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

Cover Page

Order ID : Q1725

Project ID : US EPA Riverside Industrial Park Superfund Site

Client : Woodard & Curran

Lab Sample Number	Client Sample Number
Q1725-01	SSSG-B1-2-04012025
Q1725-02	SSSG-B10-4-04012025
Q1725-03	SSSG-DUP-2-04012025
Q1725-04	AA-1-03312025
Q1725-05	SSSG-B14-3-04012025
Q1725-06	SSSG-B10-3-03312025
Q1725-07	SSSG-B10-1-03312025-SPLIT
Q1725-08	SSSG-B10-2-03312025

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: 4/12/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q1725

Client Contact Information	Bottle Order ID : **B2503044**	Courier :	____ of ____ COCs
Client ID : **WOOD06** Project ID :	**US EPA Riverside Industrial Park Superfund S**	Sampler Name(s) : Clayton Mottu	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **JILL TRIBLEY**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
	Fax Number : **914-448-0147**		
	Site Details:	Batch Certified	
City : **Rye Brook**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10573**	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		
5556-BI-2-4/1/2025	4/1/25	0833	0951	-28	-4.5	51	51	**-30**	-5.9	10554 ~~10563~~	**10153**	**6 L**	70	**VL04215.D**	X					X		

	Temperature (Fahrenheit)			
	Ambient	Maximum	Minimum	
Start	41			
Stop	45			

GC/MS Analyst Signature (TO-15)

	Pressure (Inches of Hg)			
	Ambient	Maximum	Minimum	
Start	29.88			
Stop	29.95			

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0 ppm

Sampling site (State): NJ

Quick Connector required : No

Canisters Shiped by:	Sam	Date/Time: 03/31/25	Canisters Received by:	Date/Time: 4/1/25 1005	
Samples Relinquished by:	Clay	Date/Time: 04/3/25 1005	Received by:	Date/Time:	**B2503044 - 1**
Relinquished by:		Date/Time:	Received by:	Date/Time:	

Alliance TECHNICAL GROUP

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2503044**	Courier :	_____ of _____ COCs
Client ID : **WOOD06** Project ID :	**US EPA Riverside Industrial Park Superfund S**	Sampler Name(s) : Christopher	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **JILL TRIBLEY**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
	Fax Number : **914-448-0147**		
	Site Details:	Batch Certified	
City : **Rye Brook**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10573**	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		
6SSG-810-4-4/1/2025	4/1/2025	0923	1054	-30	-5	77	77	-30	-4.7	10633	10321	6 L	100	VL04215.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	69			
Stop	69			

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	29.90			
Stop				

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 03/31/25	Canisters Received by:	Date/Time: 4/3/25 1005		
Samples Relinquished by:	Date/Time: 4/6/25 1005	Received by:	Date/Time:	B2503044 - 6	
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. : _____

Client Contact Information	Bottle Order ID : **B2503044**	Courier :	____ of ____ COCs
Client ID : **WOOD06** Project ID :	**US EPA Riverside Industrial Park Superfund S**	Sampler Name(s) : Clyde Hatter	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **JILL TRIBLEY**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
	Fax Number : **914-448-0147**		
	Site Details:	Batch Certified	
City : **Rye Brook**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10573**	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		
355G-OOP-2-04112025	4/1/25	1435	1535	-30	-4.5	65	65	-30	-8.8	10769	10296	6 L	100	VL04215.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	56			
Stop	56			

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

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	30.02			
Stop	30.02			

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.3 ppm

Sampling site (State): NJ

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 3/31/25	Canisters Received by:	Date/Time: 4/3/25 1005		
Samples Relinquished by:	Date/Time: 4/3/25 1009	Received by:	Date/Time:		B2503044 - 4
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Alliance TECHNICAL GROUP

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2503044**	Courier :	____ of ____ COCs
Client ID : **WOOD06** Project ID :	**US EPA Riverside Industrial Park Superfund S**	Sampler Name(s) : Cheyto Dejner	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **JILL TRIBLEY**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
City : **Rye Brook**	Fax Number : **914-448-0147**		
State : **NY**	Site Details:	Batch Certified	
Zip Code : **10573**	Analysis Turnaround Time		
Country :	Standard : **10 business days** **OR**	Data Package Type :	
	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		
AA-1-3/31/2025	3/31/2025 4/1/2025	1210	1070	-30	-4.5	—	—	-30	-1.4	10520	10605	6 L	4.16	VL042182.D	X				X			

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	65			
Stop	45			

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	29.70			
Stop	29.88			

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0 ppm

Sampling site (State): New Jersey

Quick Connector required : NO

Canisters Shiped by: Sam	Date/Time: 03/31/25	Canisters Received by:	Date/Time: 4/3/25 1005
Samples Relinquished by:	Date/Time: 4/3/25 1005	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

B2503044 - 13

Alliance TECHNICAL GROUP

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2503044**	Courier :	____ of ____ COCs
Client ID : **WOOD06** Project ID :	**US EPA Riverside Industrial Park Superfund S**	Sampler Name(s) : Christopher Kettner	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **JILL TRIBLEY**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
City : **Rye Brook**	Fax Number : **914-448-0147**		
State : **NY**	Site Details:	Batch Certified	
Zip Code : **10573**	Analysis Turnaround Time		
Country :	Standard : **10 business days** **OR**	Data Package Type :	
	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-B14-3-4/1/2025	4/1/25	1435	1535	-27.5	-4.5	65	65	-30	-5.9	10695	10279	6 L	100	VL04215.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	56			
Stop	56			

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

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	30.02			
Stop	30.02			

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.7 ppm

Sampling site (State): NJ

Quick Connector required : NJ

Canisters Shiped by: Sam	Date/Time: 03/31/25	Canisters Received by:		Date/Time: 4/3/25 1005	B2503044 - 2
Samples Relinquished by: CDH	Date/Time: 4/3/25 1005	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. : _____

Client Contact Information	Bottle Order ID : **B2503008**	Courier :	____ of ____ COCs
Client ID : **WOOD06** Project ID :	**NYCHHC Environmental Services**	Sampler Name(s) : Clinton Hutton	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **YAZMEEN GOMEZ**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
	Fax Number : **914-448-0147**		
	Site Details:	Batch Certified	
City : **Rye Brook**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10573**	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		
SSSG-BIO-3-3/31/2025	3/31/25	1547	1636	-30	-4.5	71	71	-30	-2.7	~~10280~~	~~1.6~~ 10466	6L ~~1.4L~~	100 ~~200~~	VL042092.0	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	69			
Stop	69			

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	29.90			
Stop	29.80			

10596

GC/MS Analyst Signature (TO-15)

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0 ppm

Sampling site (State): NJ

Quick Connector required : Yes

Canisters Shiped by: Sam	Date/Time 03/26/25	Canisters Received by:	Date/Time: 4/3/25 1005
Samples Relinquished by:	Date/Time: 4/3/25 1005	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

B2503008 - 18

Alliance TECHNICAL GROUP

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2503044**	Courier :	____ of ____ COCs
Client ID : **WOOD06** Project ID :	**US EPA Riverside Industrial Park Superfund S**	Sampler Name(s) : Christopher Hutton	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **JILL TRIBLEY**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
	Fax Number : **914-448-0147**		
	Site Details:	Batch Certified	
City : **Rye Brook**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10573**	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		
SSSG-BIO-1-3/31/2025/Split	3/31/25	1337	1507	-3	-4.9	71	71	-30	-7.1	10536	10303	6 L	70	VL04215.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	69			
Stop	69			

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	29.90			
Stop	29.88			

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0ppm

Sampling site (State): NJ

Quick Connector required : NO

Canisters Shiped by:	Sean	Date/Time: 03/31/25	Canisters Received by:	Date/Time: 4/3/25 1005	
Samples Relinquished by:	Christopher Hutton	Date/Time: 4/3/25 1005	Received by:	Date/Time:	B2503044 - 5
Relinquished by:		Date/Time:	Received by:	Date/Time:	

Alliance TECHNICAL GROUP

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

Alliance Project No. : _____

Client Contact Information	Bottle Order ID : **B2503008**	Courier :	_____ of _____ COCs
Client ID : **WOOD06** Project ID :	**NYCHHC Environmental Services**	Sampler Name(s) : Chris Hutton	Analysis / Matrix
Customer Name : **Woodard & Curran**	Project Manager : **YAZMEEN GOMEZ**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **800 Westchester Avenue, Suite N507** **Suite N507**	Phone Number : **800-807-4080**		
	Fax Number : **914-448-0147**		
	Site Details:	Batch Certified	
City : **Rye Brook**			
State : **NY**	Analysis Turnaround Time		
Zip Code : **10573**	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		
SSSG-BIO-2-3/31/2025	3/31/25	1424	1509	-30	-4.5	71	71	-30	-7.1	10523 ~~10512~~	10333 ~~10467~~	6L ~~1 L~~	100 ~~200~~	VL042053.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	69			
Stop	69			

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start	29.90			
Stop	29.80			

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings: 0.0 ppm

Sampling site (State): NJ

Quick Connector required : Yes

Canisters Shiped by: Sam	Date/Time: 03/24/25	Canisters Received by:	Date/Time: 4/3/25 1005
Samples Relinquished by: CMH	Date/Time: 4/3/25 1005	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

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

Laboratory Certification

Certified By	License No.
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

QA Control Code: A2070148

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
~~NASA~~:
Field Sample Seal No.: Q1725
Case No.: US EPA Riverside Industria

Location: 284 Sheffield Street, Mountainside, NJ 7092
Title: Sample Custodian
Date Broken: 4/3/2025
Military Time Seal Broken: 10:05:00
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1725-01	SSSG-B1-2-04012025		
Q1725-02	SSSG-B10-4-04012025		
Q1725-03	SSSG-DUP-2-04012025		
Q1725-04	AA-1-03312025		
Q1725-05	SSSG-B14-3-04012025		
Q1725-06	SSSG-B10-3-03312025		
Q1725-07	SSSG-B10-1-03312025-SPLIT		
Q1725-08	SSSG-B10-2-[redacted]03312025		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
4/3/25		Signature	Signature	
		Printed Name Cassandra Lenci	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	
		Signature	Signature	
		Printed Name	Printed Name	

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

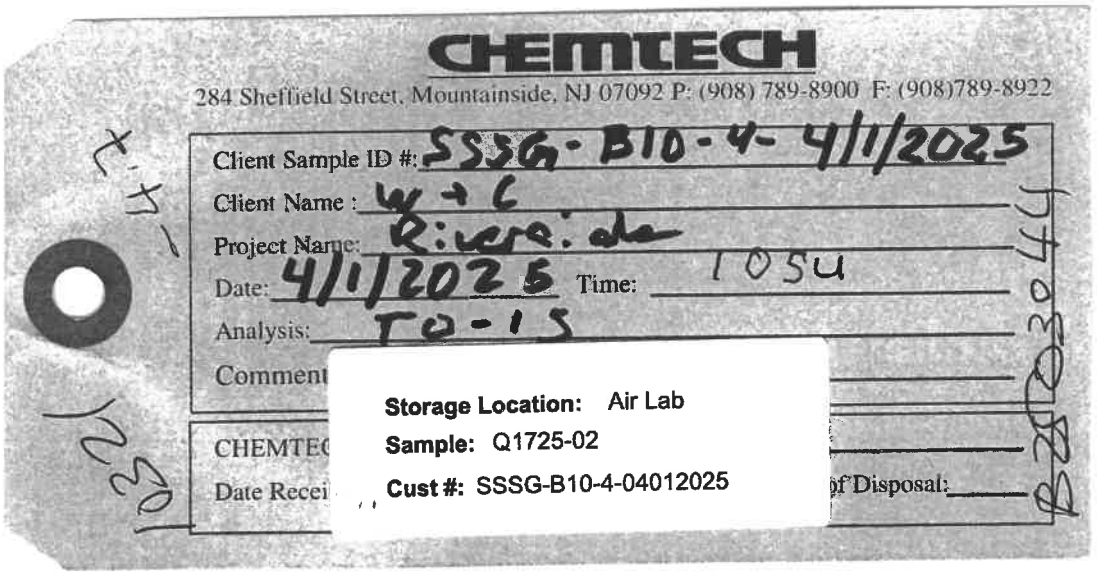
CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

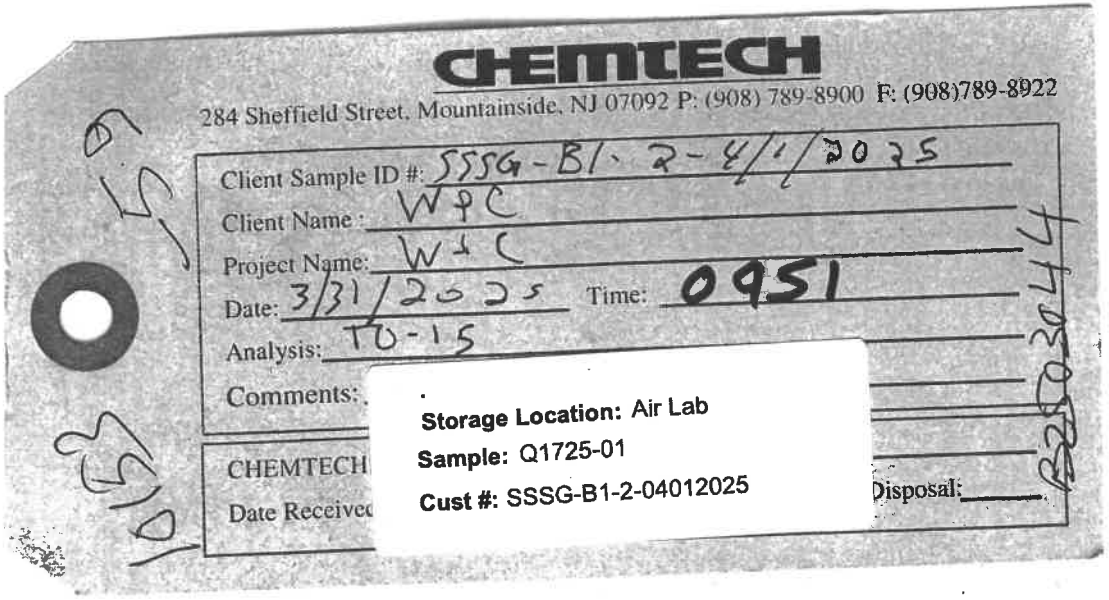
AIR SAMPLE PRESSURE & DILUTION LOGBOOK

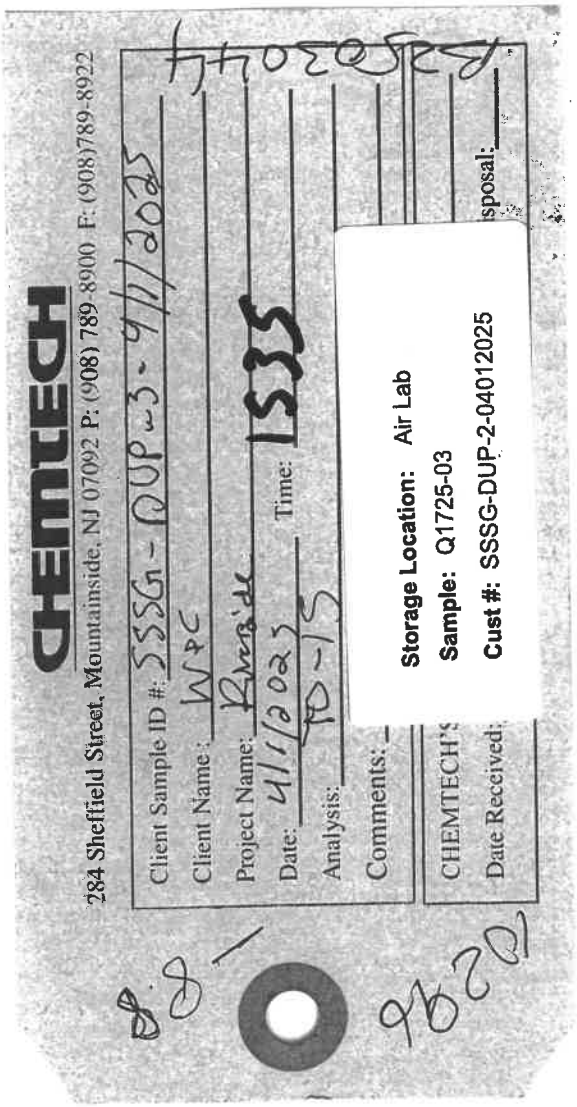
Analyst Signature: _____ Supervisor Signature: _____

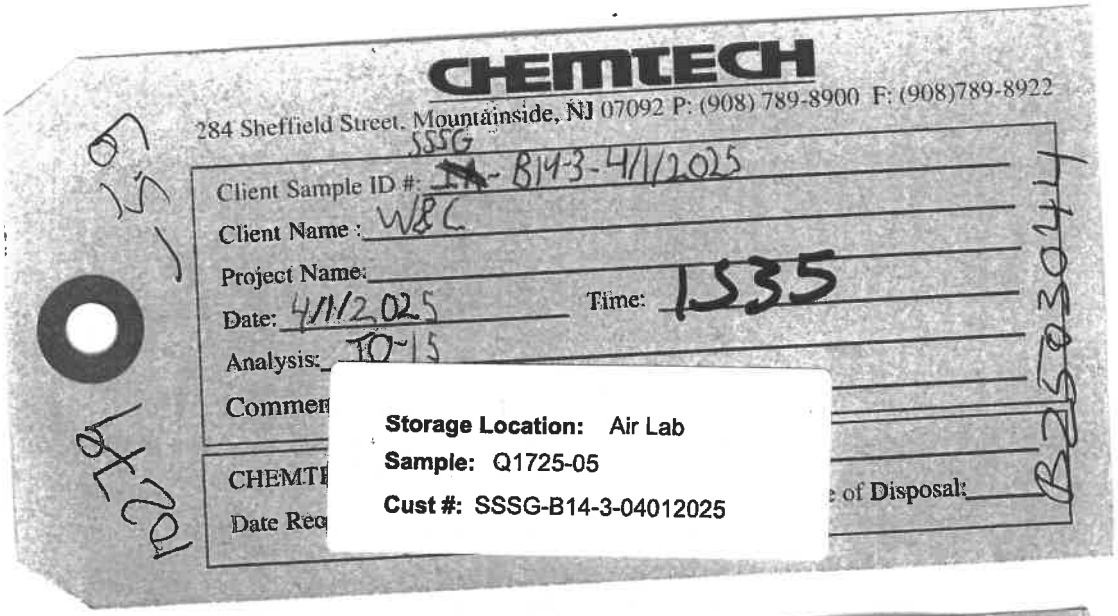
METHOD: TO-15 Pressure Gauge ID: AZ55971

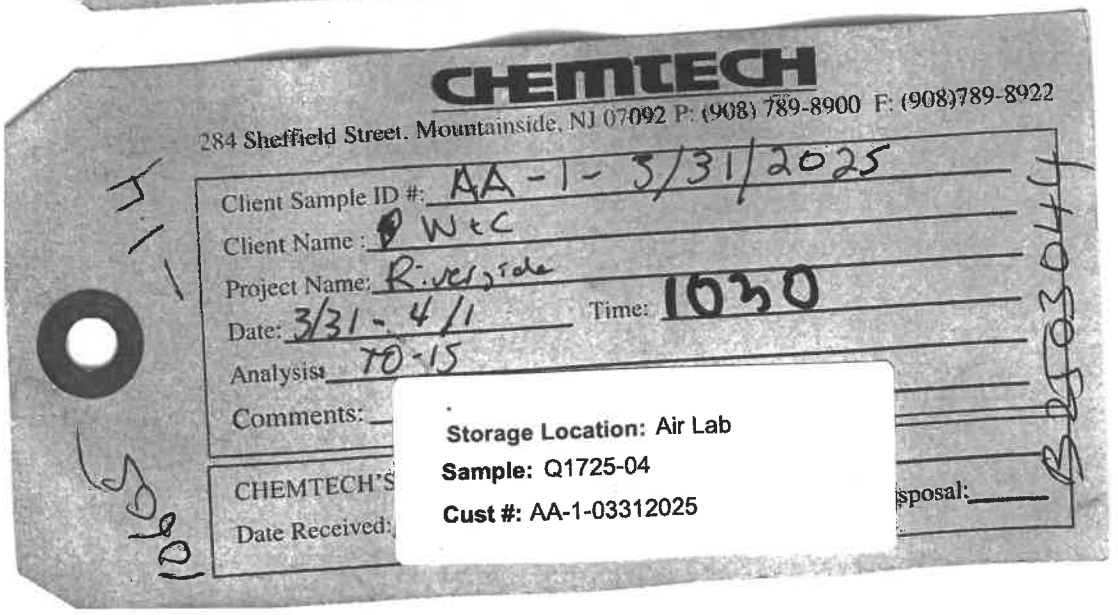
Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
04/03/25	Q1725-01	10153	11.8	-5.9				sy
	Q1725-02	10321	12.4	-4.7				sy
	Q1725-03	10296	10.4	-8.8				
	Q1725-04	10605	14.0	-1.4				
	Q1725-05	10279	11.8	-5.9				
	Q1725-06	10596	13.4	-2.7				
	Q1725-07	10303	11.2	-7.1				
	Q1725-08	10333	11.2	-7.1				
4/03/25	Q1726-01	10597	13.8	-1.8				
	Q1726-02	10280	11.4	-6.7				
	Q1726-03	10410	11.2	-7.1				
	Q1726-04	10054	13.8	-1.8				
	Q1726-05	10295	12.2	-5.1				
	Q1726-06	10590	11.4	-6.7				
	Q1726-07	10448	12.0	-5.5				

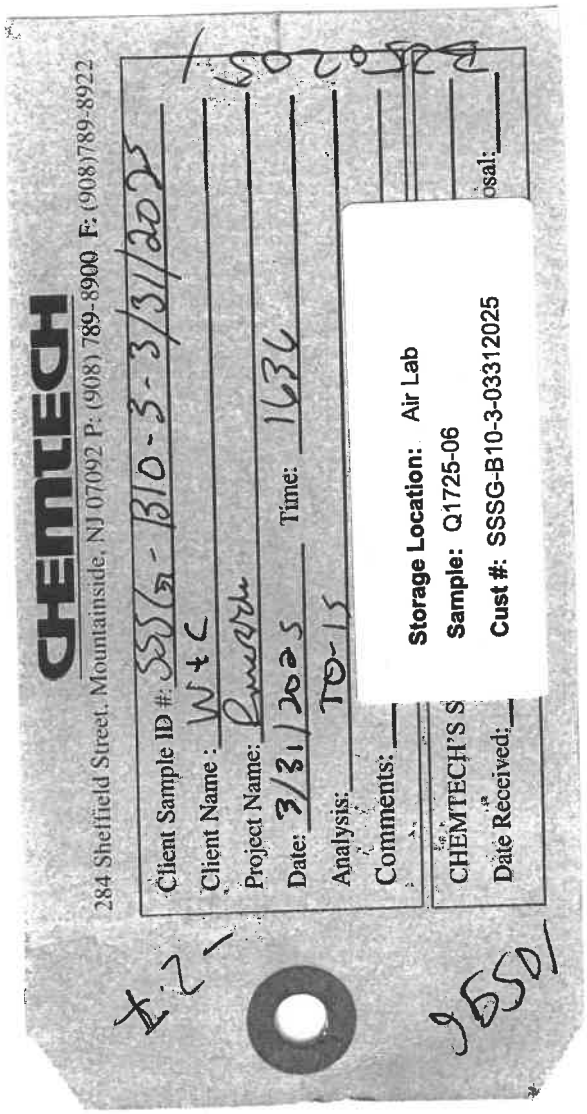

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SSSG-B10-4-4/1/2025
Client Name: W+C
Project Name: Riverside
Date: 4/1/2025 Time: 1054
Analysis: TO-15
Comment
CHEMTEC
Date Recei
of Disposal:
B280344
Storage Location: Air Lab
Sample: Q1725-02
Cust #: SSSG-B10-4-04012025

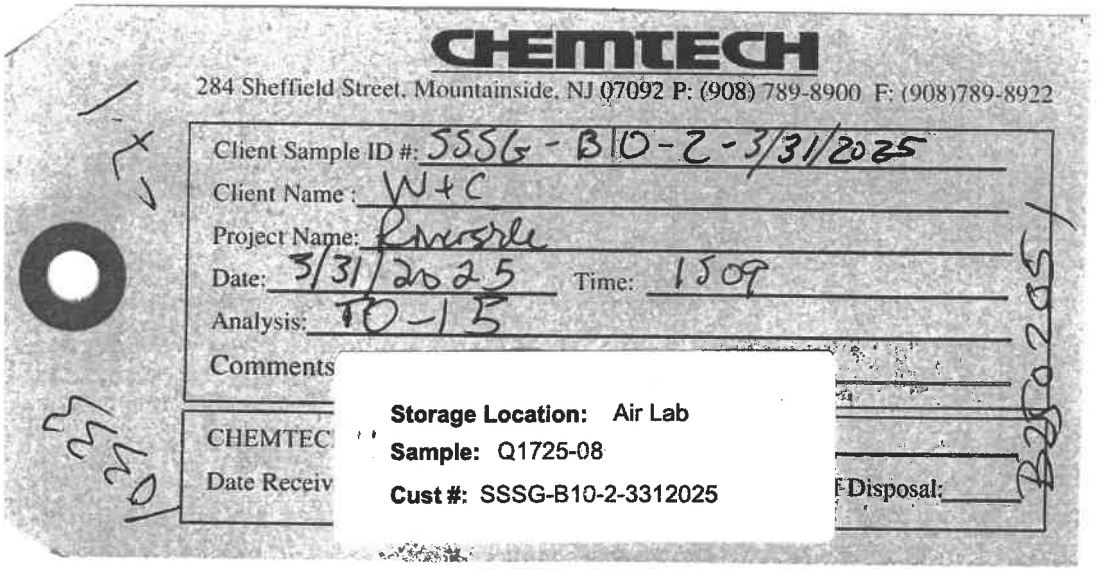

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SSSG-B1-2-4/1/2025
Client Name: W+C
Project Name: W+C
Date: 3/31/2025 Time: 0951
Analysis: TO-15
Comments:
CHEMTECH
Date Received
Disposal:
B280344
Storage Location: Air Lab
Sample: Q1725-01
Cust #: SSSG-B1-2-04012025


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SSSG-DUP-3-4/1/2025
Client Name: W+C
Project Name: Riverside
Date: 4/1/2025 Time: 1535
Analysis: TO-15
Comments:
CHEMTECH'S
Date Received:
sposal:
Storage Location: Air Lab
Sample: Q1725-03
Cust #: SSSG-DUP-2-04012025


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SSSG-B14-3-4/1/2025
Client Name: W&C
Project Name:
Date: 4/1/2025 Time: 1535
Analysis: TO-15
Comments:
CHEMTECH'S
Date Received:
of Disposal:
Storage Location: Air Lab
Sample: Q1725-05
Cust #: SSSG-B14-3-04012025


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: AA-1-3/31/2025
Client Name: W&C
Project Name: Riverside
Date: 3/31-4/1 Time: 1030
Analysis: TO-15
Comments:
CHEMTECH'S
Date Received:
sposal:
Storage Location: Air Lab
Sample: Q1725-04
Cust #: AA-1-03312025


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SSSG-B10-3-3/31/2025
Client Name: W&C
Project Name: Riverside
Date: 3/31/2025 Time: 1636
Analysis: TO-15
Comments:
CHEMTECH'S S
Date Received:
osal:
Storage Location: Air Lab
Sample: Q1725-06
Cust #: SSSG-B10-3-03312025



CHEMTECH

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

Client Sample ID #: SSSG-B10-2-3/31/2025

Client Name: W+C

Project Name: Riverside

Date: 3/31/2025 Time: 1509

Analysis: TO-15

Comments

CHEMTEC

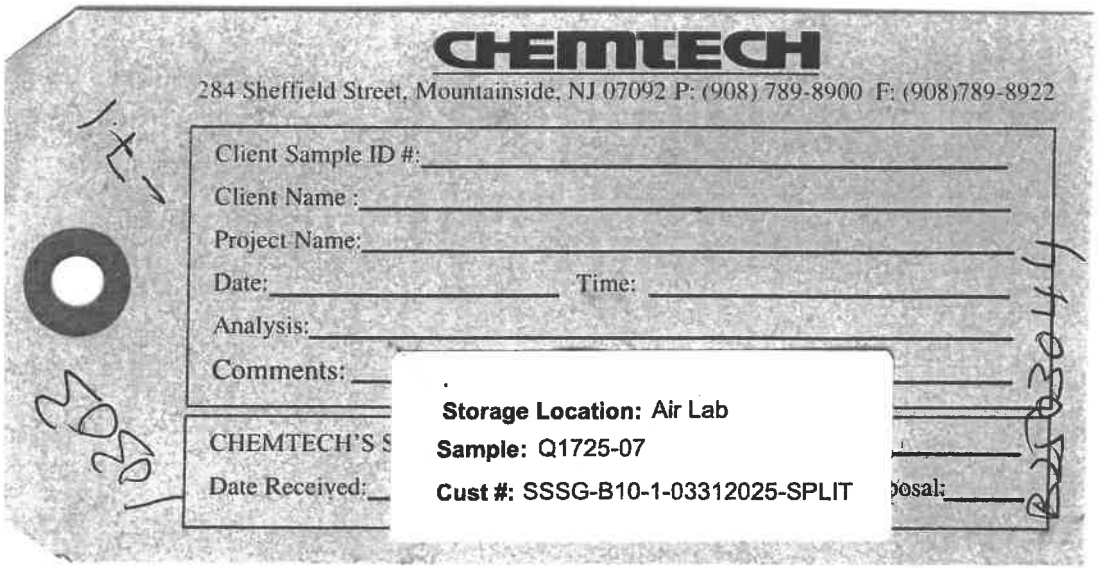
Date Receiv

Disposal:

Storage Location: Air Lab

Sample: Q1725-08

Cust #: SSSG-B10-2-3312025



CHEMTECH

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

Client Sample ID #:

Client Name :

Project Name:

Date: Time:

Analysis:

Comments:

CHEMTECH'S S

Date Received:

posal:

Storage Location: Air Lab

Sample: Q1725-07

Cust #: SSSG-B10-1-03312025-SPLIT

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CASE NARRATIVE

Woodard & Curran
Project Name: US EPA Riverside Industrial Park Superfund Site
Project # N/A
Chemtech Project # Q1725
Test Name: TO-15

A. Number of Samples and Date of Receipt:
8 Air samples were received on 04/03/2025.

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

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Due to potential high concentration of target analytes, Samples SSSG-B14-3-04012025, SSSG-B10-3-03312025 and SSSG-B10-2-03312025 were initially diluted.

Samples SSSG-B10-4-04012025, SSSG-B10-4-04012025DL, SSSG-DUP-2-04012025, SSSG-B14-3-04012025, SSSG-B10-3-03312025, SSSG-B10-1-03312025-SPLIT and SSSG-B10-2-03312025 were diluted due to high concentrations.

E. Additional Comments:
This data Package has been revised to include DUP raw data.

The not QT review data is reported in the Miscellaneous.

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

The Sample #SSSG-DUP-2-04012025, SSSG-DUP-2-04012025DL, SSSG-B14-3-04012025, SSSG-B14-3-04012025DL, SSSG-B10-3-03312025, SSSG-B10-2-03312025, SSSG-B10-2-03312025DL 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:

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Manual Integration Report			
Sequence	VL032725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042172.D	m/p-Xylene	SAM	3/31/2025 11:24:55 AM	MMDadoda	4/3/2025 8:05:09 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042173.D	1,4-Dioxane	SAM	3/31/2025 11:25:00 AM	MMDadoda	4/3/2025 8:05:13 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042173.D	Ethanol	SAM	3/31/2025 11:25:00 AM	MMDadoda	4/3/2025 8:05:13 AM	Peak Integrated by Software incorrectly
VSTDICC002	VL042173.D	m/p-Xylene	SAM	3/31/2025 11:25:00 AM	MMDadoda	4/3/2025 8:05:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042174.D	1,4-Dioxane	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042174.D	4-Methyl-2-Pentanone	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly

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VSTDICC001	VL042174.D	Ethanol	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042174.D	m/p-Xylene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042174.D	Methyl Methacrylate	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042174.D	Propene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042174.D	t-1,3-Dichloropropene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly

VSTDICC001	VL042174.D	trans-1,2-Dichloroethene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042174.D	Vinyl Acetate	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	1,1,2-Trichloroethane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	1,4-Dioxane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	cis-1,3-Dichloropropene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	Cyclohexane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly

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VSTDICC0.5	VL042175.D	m/p-Xylene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	Methyl Methacrylate	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	Propene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	Tetrahydrofuran	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042175.D	Trichloroethene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042176.D	1,1,1-Trichloroethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042176.D	1,1,2,2-Tetrachloroethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042176.D	1,2-Dibromoethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042176.D	Carbon Tetrachloride	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042176.D	Trichloroethene	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042177.D	1,1,1-Trichloroethane	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042177.D	1,1,2,2-Tetrachloroethane	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042177.D	Carbon Tetrachloride	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042177.D	Tetrachloroethene	SAM	3/31/2025 11:26:39	MMDadoda	4/3/2025 8:05:59	Peak Integrated by

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				AM		AM	Software incorrectly
VSTDICC0.03	VL042177.D	Trichloroethene	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042177.D	Vinyl Chloride	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL042178.D	m/p-Xylene	SAM	3/31/2025 11:25:14 AM	MMDadoda	4/3/2025 8:06:09 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL042179.D	m/p-Xylene	SAM	3/31/2025 11:28:50 AM	MMDadoda	4/3/2025 8:06:14 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence	VL040725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042228.D	Heptane	SAM	4/8/2025 8:57:24 AM	MMDadoda	4/9/2025 9:32:17 AM	Peak Integrated by Software incorrectly
VSTDCCC010	VL042228.D	m/p-Xylene	SAM	4/8/2025 8:57:24 AM	MMDadoda	4/9/2025 9:32:17 AM	Peak Integrated by Software incorrectly
VL0407ABS01	VL042230.D	m/p-Xylene	SAM	4/8/2025 8:57:31 AM	MMDadoda	4/9/2025 9:32:21 AM	Peak Integrated by Software incorrectly
Q1725-04	VL042231.D	4-Methyl-2-Pentanone	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software incorrectly
Q1725-04	VL042231.D	Carbon Tetrachloride	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software incorrectly
Q1725-04	VL042231.D	Chlorodifluoromethane	SAM	4/8/2025 8:57:51	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated

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				AM			by Software incorrectly
Q1725-04	VL042231.D	Heptane	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software incorrectly
Q1725-04	VL042231.D	Toluene	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software incorrectly
Q1725-04DUP	VL042232.D	4-Methyl-2-Pentanone	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software incorrectly
Q1725-04DUP	VL042232.D	Chlorodifluoromethane	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software incorrectly
Q1725-04DUP	VL042232.D	Heptane	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software incorrectly
Q1725-04DUP	VL042232.D	m/p-Xylene	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software incorrectly
Q1725-01	VL042234.D	Carbon Tetrachloride	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software incorrectly
Q1725-01	VL042234.D	Chlorodifluoromethane	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software incorrectly
Q1725-01	VL042234.D	Ethanol	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software incorrectly
Q1725-01	VL042234.D	Heptane	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software incorrectly
Q1725-01	VL042234.D	Hexane	SAM	4/8/2025 8:58:43	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated

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				AM			by Software incorrectly
Q1725-01	VL042234.D	Tetrachloroethene	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software incorrectly
Q1725-01	VL042234.D	Trichloroethene	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software incorrectly
Q1725-02	VL042235.D	Benzene	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software incorrectly
Q1725-02	VL042235.D	Bromodichloromethane	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software incorrectly
Q1725-02	VL042235.D	Chlorobenzene	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software incorrectly
Q1725-02	VL042235.D	Heptane	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software incorrectly
Q1725-02	VL042235.D	Propene	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software incorrectly
Q1725-02	VL042235.D	tert-Butyl alcohol	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software incorrectly
Q1725-02DL	VL042236.D	Carbon Tetrachloride	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software incorrectly
Q1725-02DL	VL042236.D	Methylene Chloride	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software incorrectly
Q1725-02DL	VL042236.D	Tetrachloroethene	SAM	4/8/2025 8:58:49	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated

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				AM			by Software incorrectly
Q1725-02DL	VL042236.D	Toluene	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software incorrectly
Q1725-02DL	VL042236.D	Trichloroethene	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software incorrectly
Q1725-05DL	VL042239.D	Ethanol	SAM	4/8/2025 9:26:41 AM	MMDadoda	4/9/2025 9:33:12 AM	Peak Integrated by Software incorrectly
Q1725-07DL	VL042241.D	m/p-Xylene	SAM	4/8/2025 8:58:21 AM	MMDadoda	4/9/2025 9:33:30 AM	Peak Integrated by Software incorrectly
Q1725-07DL	VL042241.D	Toluene	SAM	4/8/2025 8:58:21 AM	MMDadoda	4/9/2025 9:33:30 AM	Peak Integrated by Software incorrectly
Q1725-02DL2	VL042243.D	Carbon Tetrachloride	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software incorrectly
Q1725-02DL2	VL042243.D	Ethanol	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software incorrectly
Q1725-02DL2	VL042243.D	Tetrachloroethene	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software incorrectly
Q1725-02DL2	VL042243.D	Trichloroethene	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software incorrectly
Q1725-03DL	VL042244.D	Ethanol	SAM	4/8/2025 8:59:12 AM	MMDadoda	4/9/2025 9:33:41 AM	Peak Integrated by Software incorrectly
Q1725-03DL	VL042244.D	Toluene	SAM	4/8/2025	MMDadoda	4/9/2025	Peak

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				8:59:12 AM		9:33:41 AM	Integrated by Software incorrectly
Q1725-05	VL042245.D	Carbon Tetrachloride	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software incorrectly
Q1725-05	VL042245.D	Chlorodifluoromethane	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software incorrectly
Q1725-05	VL042245.D	Ethanol	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software incorrectly
Q1725-05	VL042245.D	Propene	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software incorrectly
Q1725-05	VL042245.D	Tetrachloroethene	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software incorrectly
Q1725-06	VL042247.D	Propene	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software incorrectly
Q1725-06	VL042247.D	tert-Butyl alcohol	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software incorrectly
Q1725-06	VL042247.D	Tetrahydrofuran	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software incorrectly
Q1725-06	VL042247.D	Toluene	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software incorrectly
Q1725-06DL	VL042248.D	Tetrachloroethene	SAM	4/14/2025 5:24:10 AM	MMDadoda	4/14/2025 5:25:27 AM	Peak Integrated by Software incorrectly

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Q1725-07	VL042249.D	1,1,1-Trichloroethane	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-07	VL042249.D	2,2,4-Trimethylpentane	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-07	VL042249.D	Carbon Tetrachloride	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-07	VL042249.D	Chlorodifluoromethane	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-07	VL042249.D	Propene	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-07	VL042249.D	tert-Butyl alcohol	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-07	VL042249.D	Tetrachloroethene	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-07	VL042249.D	Trichloroethene	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software incorrectly
Q1725-08	VL042250.D	Benzene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software incorrectly
Q1725-08	VL042250.D	Ethyl Benzene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software incorrectly
Q1725-08	VL042250.D	Propene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software

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							incorrectly
Q1725-08	VL042250.D	tert-Butyl alcohol	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software incorrectly
Q1725-08	VL042250.D	Toluene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software incorrectly
Q1725-08DL	VL042251.D	Tetrachloroethene	SAM	4/8/2025 8:58:05 AM	MMDadoda	4/9/2025 9:34:04 AM	Peak Integrated by Software incorrectly

Manual Integration Report

Sequence	VL040825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Reviewed On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042253.D	m/p-Xylene	SAM	4/9/2025 11:25:40 AM	MMDadoda	4/9/2025 11:41:57 AM	Peak Integrated by Software incorrectly
VL0408ABS01	VL042255.D	m/p-Xylene	SAM	4/9/2025 11:25:44 AM	MMDadoda	4/9/2025 11:41:59 AM	Peak Integrated by Software incorrectly
Q1725-03	VL042256.D	Carbon Tetrachloride	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software incorrectly
Q1725-03	VL042256.D	Chlorodifluoromethane	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software incorrectly
Q1725-03	VL042256.D	Ethanol	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software

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							incorrectly
Q1725-03	VL042256.D	Propene	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software incorrectly
Q1725-03	VL042256.D	Tetrachloroethene	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software incorrectly
Q1725-03	VL042256.D	Trichloroethene	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	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 #: **Q1725**

	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:** **04/12/2025**

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LAB CHRONICLE

OrderID:	Q1725	**OrderDate:**	4/3/2025 1:48:00 PM
Client:	Woodard & Curran	**Project:**	US EPA Riverside Industrial Park Superfund Site
Contact:	Bryan Maurer	**Location:**	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1725-01	**SSSG-B1-2-04012025**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	
Q1725-02	**SSSG-B10-4-04012025**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	
Q1725-02DL	**SSSG-B10-4-04012025DL**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	
Q1725-02DL2	**SSSG-B10-4-04012025DL2**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	
Q1725-03	**SSSG-DUP-2-04012025**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/08/25	
Q1725-03DL	**SSSG-DUP-2-04012025DL**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	
Q1725-04	**AA-1-03312025**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	
Q1725-05	**SSSG-B14-3-04012025**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	
Q1725-05DL	**SSSG-B14-3-04012025DL**	**Air**			**04/01/25**			**04/03/25**
			TO-15	TO-15			04/07/25	

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LAB CHRONICLE

Q1725-06	**SSSG-B10-3-03312025**	**Air**			**03/31/25**		**04/03/25**
			TO-15	TO-15		04/07/25	
Q1725-06DL	**SSSG-B10-3-03312025DL**	**Air**			**03/31/25**		**04/03/25**
			TO-15	TO-15		04/08/25	
Q1725-07	**SSSG-B10-1-03312025-SPLIT**	**Air**			**03/31/25**		**04/03/25**
			TO-15	TO-15		04/08/25	
Q1725-07DL	**SSSG-B10-1-03312025-SPLITDL**	**Air**			**03/31/25**		**04/03/25**
			TO-15	TO-15		04/07/25	
Q1725-08	**SSSG-B10-2-03312025**	**Air**			**03/31/25**		**04/03/25**
			TO-15	TO-15		04/08/25	
Q1725-08DL	**SSSG-B10-2-03312025DL**	**Air**			**03/31/25**		**04/03/25**
			TO-15	TO-15		04/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**SSSG-B1-2-04012025**								
Q1725-01	SSSG-B1-2-040120	Air	Dichlorodifluoromethane		1.98	J	1.04	2.47	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Trichlorofluoromethane		1.18	J	0.90	2.81	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Heptane		0.49	J	0.45	2.05	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Acetone		5.94		0.57	1.19	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Methylene Chloride		3.40		0.66	1.74	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	2-Butanone		0.59	J	0.35	1.47	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Carbon Tetrachloride		0.44		0.060	0.19	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Chloroform		9.77		0.39	2.44	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Benzene		0.45	J	0.29	1.60	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Trichloroethene		0.38		0.11	0.16	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Toluene		7.91		0.41	1.88	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Tetrachloroethene		0.34		0.14	0.20	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Chlorobenzene		0.92	J	0.37	2.30	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Ethyl Benzene		1.22	J	0.52	2.17	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	m/p-Xylene		5.21		0.91	4.34	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	o-Xylene		1.74	J	0.52	2.17	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Styrene		0.94	J	0.47	2.13	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	1,2,4-Trimethylbenzene		1.13	J	0.39	2.46	ug/m3
Q1725-01	SSSG-B1-2-040120	Air	Hexane		1.09	J	0.39	1.76	ug/m3
			Total Voc :		45.1				
Q1725-01	SSSG-B1-2-040120	Air	Chlorodifluoromethane	*	0.27	J	0.090	0.50	ppbv
			Total Tics :		0.27				
			Total Concentration:		45.4				
Client ID:	**SSSG-B10-4-04012025**								
Q1725-02	SSSG-B10-4-04012	Air	Dichlorodifluoromethane		1.98	J	1.04	2.47	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Chloromethane		0.27	J	0.21	1.03	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Trichlorofluoromethane		1.29	J	0.90	2.81	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	tert-Butyl alcohol		1.49	J	0.58	1.52	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Heptane		0.61	J	0.45	2.05	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	1,1-Dichloroethene		6.34		0.56	1.98	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Acetone		74.3	E	0.57	1.19	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Methylene Chloride		2.33		0.66	1.74	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	2-Butanone		2.04		0.35	1.47	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Carbon Tetrachloride		22.6		0.060	0.19	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Chloroform		586	E	0.39	2.44	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	1,1,1-Trichloroethane		0.60		0.050	0.16	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1725-02	SSSG-B10-4-04012	Air	Benzene		0.77	J	0.29	1.60	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Trichloroethene		4.94		0.11	0.16	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Bromodichloromethane		2.81	J	0.54	3.35	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Toluene		5.28		0.41	1.88	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Tetrachloroethene		21.0		0.14	0.20	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Chlorobenzene		0.74	J	0.37	2.30	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Ethyl Benzene		1.17	J	0.52	2.17	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	m/p-Xylene		4.78		0.91	4.34	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	o-Xylene		1.69	J	0.52	2.17	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Styrene		1.45	J	0.47	2.13	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	1,2,4-Trimethylbenzene		1.87	J	0.39	2.46	ug/m3
Q1725-02	SSSG-B10-4-04012	Air	Hexane		1.59	J	0.39	1.76	ug/m3
			Total Voc :		748				
Q1725-02	SSSG-B10-4-04012	Air	unknown12.267	*	8.10	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	Hexane, 3,3-dimethyl-	*	2.80	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	D-Limonene	*	1.90	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	Heptane, 2,2,4,6,6-pentamethyl	*	1.90	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	6-Chloro-2-ethyl-4-phenylquin	*	87.6	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	Nonane, 3-methyl-5-propyl-	*	9.20	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	Octane, 2,2,6-trimethyl-	*	2.60	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	Heptane, 5-ethyl-2,2,3-trimethy	*	6.30	J	0	0	ppbv
Q1725-02	SSSG-B10-4-04012	Air	Propene	*	2.50	J	0.15	0.50	ppbv
			Total Tics :		123				
			Total Concentration:		871				
Client ID:	**SSSG-B10-4-04012025DL**								
Q1725-02DL	SSSG-B10-4-04012	Air	1,1-Dichloroethene		6.34	JD	5.55	19.8	ug/m3
Q1725-02DL	SSSG-B10-4-04012	Air	Acetone		80.5	D	5.70	11.9	ug/m3
Q1725-02DL	SSSG-B10-4-04012	Air	Methylene Chloride		8.69	JD	6.60	17.4	ug/m3
Q1725-02DL	SSSG-B10-4-04012	Air	Carbon Tetrachloride		20.8	D	0.69	1.89	ug/m3
Q1725-02DL	SSSG-B10-4-04012	Air	Chloroform		1950	ED	4.05	24.4	ug/m3
Q1725-02DL	SSSG-B10-4-04012	Air	Trichloroethene		5.27	D	0.91	1.61	ug/m3
Q1725-02DL	SSSG-B10-4-04012	Air	Toluene		4.52	JD	4.15	18.8	ug/m3
Q1725-02DL	SSSG-B10-4-04012	Air	Tetrachloroethene		19.7	D	1.02	2.03	ug/m3
			Total Voc :		2100				
			Total Concentration:		2100				
Client ID:	**SSSG-B10-4-04012025DL2**								
Q1725-02DL2	SSSG-B10-4-04012	Air	Acetone		101	D	22.8	47.5	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1725-02DL2	SSSG-B10-4-04012	Air	Chloroform		2340	D	16.1	97.7	ug/m3
			Total Voc :		2450				
			Total Concentration:		2450				
Client ID:	**SSSG-DUP-2-04012025**								
Q1725-03	SSSG-DUP-2-0401	Air	Dichlorodifluoromethane		1.83	J	1.04	2.47	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Chloromethane		0.85	J	0.21	1.03	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Trichlorofluoromethane		1.12	J	0.90	2.81	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Acetone		91.5	E	0.57	1.19	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Methylene Chloride		2.19		0.66	1.74	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	2-Butanone		1.30	J	0.35	1.47	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Carbon Tetrachloride		0.50		0.060	0.19	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Chloroform		1.90	J	0.39	2.44	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Benzene		0.51	J	0.29	1.60	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Trichloroethene		0.27		0.11	0.16	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Toluene		2.71		0.41	1.88	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Tetrachloroethene		0.54		0.14	0.20	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Ethyl Benzene		5.65		0.52	2.17	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	m/p-Xylene		27.4		0.91	4.34	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	o-Xylene		5.21		0.52	2.17	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Styrene		1.49	J	0.47	2.13	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	1,3,5-Trimethylbenzene		0.64	J	0.54	2.46	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	1,2,4-Trimethylbenzene		1.77	J	0.39	2.46	ug/m3
Q1725-03	SSSG-DUP-2-0401	Air	Hexane		0.99	J	0.39	1.76	ug/m3
			Total Voc :		148				
Q1725-03	SSSG-DUP-2-0401	Air	unknown12.267	*	1.30	J	0	0	ppbv
Q1725-03	SSSG-DUP-2-0401	Air	Undecane	*	2.00	J	0	0	ppbv
Q1725-03	SSSG-DUP-2-0401	Air	D-Limonene	*	2.20	J	0	0	ppbv
Q1725-03	SSSG-DUP-2-0401	Air	Butanoic acid, 2-methyl-, ethyl	*	2.30	J	0	0	ppbv
Q1725-03	SSSG-DUP-2-0401	Air	Nonane, 3,7-dimethyl-	*	1.80	J	0	0	ppbv
Q1725-03	SSSG-DUP-2-0401	Air	2-Hexyldecyl isobutyrate	*	1.10	J	0	0	ppbv
Q1725-03	SSSG-DUP-2-0401	Air	Chlorodifluoromethane	*	0.34	J	0.090	0.50	ppbv
Q1725-03	SSSG-DUP-2-0401	Air	Propene	*	0.40	J	0.15	0.50	ppbv
			Total Tics :		11.4				
			Total Concentration:		160				
Client ID:	**SSSG-DUP-2-04012025DL**								
Q1725-03DL	SSSG-DUP-2-0401	Air	Chloromethane		1.09	JD	0.81	4.13	ug/m3
Q1725-03DL	SSSG-DUP-2-0401	Air	Acetone		104	D	2.28	4.75	ug/m3

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Hit Summary Sheet
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SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1725-03DL	SSSG-DUP-2-0401	Air	Methylene Chloride		4.17	JD	2.64	6.95	ug/m3
Q1725-03DL	SSSG-DUP-2-0401	Air	Chloroform		2.10	JD	1.61	9.77	ug/m3
Q1725-03DL	SSSG-DUP-2-0401	Air	Toluene		2.30	JD	1.66	7.54	ug/m3
Q1725-03DL	SSSG-DUP-2-0401	Air	Ethyl Benzene		4.34	JD	2.08	8.69	ug/m3
Q1725-03DL	SSSG-DUP-2-0401	Air	m/p-Xylene		18.2	D	3.65	17.4	ug/m3
Q1725-03DL	SSSG-DUP-2-0401	Air	o-Xylene		3.65	JD	2.08	8.69	ug/m3
			Total Voc :		140				
			Total Concentration:		140				
Client ID:	**AA-1-03312025**								
Q1725-04	AA-1-03312025	Air	Dichlorodifluoromethane		1.98	J	1.04	2.47	ug/m3
Q1725-04	AA-1-03312025	Air	Chloromethane		1.20		0.21	1.03	ug/m3
Q1725-04	AA-1-03312025	Air	Trichlorofluoromethane		1.18	J	0.90	2.81	ug/m3
Q1725-04	AA-1-03312025	Air	Heptane		0.45	J	0.45	2.05	ug/m3
Q1725-04	AA-1-03312025	Air	Acetone		12.1		0.57	1.19	ug/m3
Q1725-04	AA-1-03312025	Air	Methylene Chloride		1.39	J	0.66	1.74	ug/m3
Q1725-04	AA-1-03312025	Air	2-Butanone		1.56		0.35	1.47	ug/m3
Q1725-04	AA-1-03312025	Air	Carbon Tetrachloride		0.44		0.060	0.19	ug/m3
Q1725-04	AA-1-03312025	Air	Benzene		0.45	J	0.29	1.60	ug/m3
Q1725-04	AA-1-03312025	Air	4-Methyl-2-Pentanone		0.53	J	0.37	2.05	ug/m3
Q1725-04	AA-1-03312025	Air	Toluene		2.30		0.41	1.88	ug/m3
Q1725-04	AA-1-03312025	Air	m/p-Xylene		0.96	J	0.91	4.34	ug/m3
Q1725-04	AA-1-03312025	Air	Hexane		1.16	J	0.39	1.76	ug/m3
			Total Voc :		25.7				
Q1725-04	AA-1-03312025	Air	Chlorodifluoromethane	*	0.28	J	0.090	0.50	ppbv
Q1725-04	AA-1-03312025	Air	Propene	*	0.48	J	0.15	0.50	ppbv
			Total Tics :		0.76				
			Total Concentration:		26.5				
Client ID:	**SSSG-B14-3-04012025**								
Q1725-05	SSSG-B14-3-04012	Air	Dichlorodifluoromethane		2.27	J	2.08	4.94	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Chloromethane		0.97	J	0.41	2.07	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Acetone		105	E	1.14	2.38	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Methylene Chloride		2.22	J	1.32	3.47	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	2-Butanone		2.12	J	0.71	2.95	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Carbon Tetrachloride		0.44		0.13	0.38	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Chloroform		1.03	J	0.83	4.88	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Toluene		2.90	J	0.83	3.77	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Tetrachloroethene		0.54		0.20	0.41	ug/m3

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Hit Summary Sheet
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SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1725-05	SSSG-B14-3-04012	Air	Ethyl Benzene		4.00	J	1.04	4.34	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	m/p-Xylene		17.4		1.82	8.69	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	o-Xylene		3.61	J	1.04	4.34	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Styrene		1.70	J	0.94	4.26	ug/m3
Q1725-05	SSSG-B14-3-04012	Air	Hexane		0.92	J	0.78	3.52	ug/m3
			Total Voc :		145				
Q1725-05	SSSG-B14-3-04012	Air	Butanoic acid, 2-methyl-, ethyl	*	2.10	J	0	0	ppbv
Q1725-05	SSSG-B14-3-04012	Air	Chlorodifluoromethane	*	0.35	J	0.18	1.00	ppbv
Q1725-05	SSSG-B14-3-04012	Air	Propene	*	0.92	J	0.30	1.00	ppbv
			Total Tics :		3.37				
			Total Concentration:		148				
Client ID:	**SSSG-B14-3-04012025DL**								
Q1725-05DL	SSSG-B14-3-04012	Air	Acetone		110	D	5.70	11.9	ug/m3
Q1725-05DL	SSSG-B14-3-04012	Air	m/p-Xylene		13.0	JD	9.12	43.4	ug/m3
			Total Voc :		123				
			Total Concentration:		123				
Client ID:	**SSSG-B10-3-03312025**								
Q1725-06	SSSG-B10-3-03312	Air	Chloromethane		1.34	J	0.81	4.13	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	Tetrahydrofuran		2.86	J	1.53	5.90	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	tert-Butyl alcohol		3.64	J	2.30	6.06	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	Acetone		380	E	2.28	4.75	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	Methylene Chloride		23.6		2.64	6.95	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	2-Butanone		57.8		1.42	5.90	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	Chloroform		6.84	J	1.61	9.77	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	Toluene		1.81	J	1.66	7.54	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	Tetrachloroethene		16.9		0.41	0.81	ug/m3
Q1725-06	SSSG-B10-3-03312	Air	Hexane		7.05		1.55	7.05	ug/m3
			Total Voc :		502				
Q1725-06	SSSG-B10-3-03312	Air	unknown12.720	*	4.20	J	0	0	ppbv
Q1725-06	SSSG-B10-3-03312	Air	D-Limonene	*	98.9	J	0	0	ppbv
Q1725-06	SSSG-B10-3-03312	Air	Butanoic acid, 2-methyl-, ethyl	*	88.2	J	0	0	ppbv
Q1725-06	SSSG-B10-3-03312	Air	11H-Dibenzo[b,e][1,4]diazepin	*	27.5	J	0	0	ppbv
Q1725-06	SSSG-B10-3-03312	Air	(Z,Z)-3,6-Nonadienal	*	5.00	J	0	0	ppbv
Q1725-06	SSSG-B10-3-03312	Air	Propene	*	3.20	J	0.60	2.00	ppbv
			Total Tics :		227				
			Total Concentration:		729				
Client ID:	**SSSG-B10-3-03312025DL**								
Q1725-06DL	SSSG-B10-3-03312	Air	Acetone		380	D	22.8	47.5	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1725-06DL	SSSG-B10-3-03312	Air	Methylene Chloride		45.9	JD	26.4	69.5	ug/m3
Q1725-06DL	SSSG-B10-3-03312	Air	2-Butanone		49.3	JD	14.2	59.0	ug/m3
Q1725-06DL	SSSG-B10-3-03312	Air	Tetrachloroethene		16.9	D	4.07	8.14	ug/m3
			Total Voc :		492				
			Total Concentration:		492				
Client ID:	**SSSG-B10-1-03312025-SPLIT**								
Q1725-07	SSSG-B10-1-03312	Air	Dichlorodifluoromethane		1.78	J	1.04	2.47	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Trichlorofluoromethane		1.35	J	0.90	2.81	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	tert-Butyl alcohol		2.43		0.58	1.52	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Heptane		2.50		0.45	2.05	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Acetone		67.0	E	0.57	1.19	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Methylene Chloride		3.82		0.66	1.74	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	2-Butanone		4.42		0.35	1.47	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Carbon Tetrachloride		0.57		0.060	0.19	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Chloroform		11.7		0.39	2.44	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	1,1,1-Trichloroethane		0.16		0.050	0.16	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	2,2,4-Trimethylpentane		1.35	J	0.47	2.34	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Benzene		1.57	J	0.29	1.60	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Trichloroethene		1.40		0.11	0.16	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Toluene		16.2		0.41	1.88	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Tetrachloroethene		5.09		0.14	0.20	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Ethyl Benzene		3.78		0.52	2.17	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	m/p-Xylene		18.7		0.91	4.34	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	o-Xylene		7.82		0.52	2.17	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	1,3,5-Trimethylbenzene		2.16	J	0.54	2.46	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	1,2,4-Trimethylbenzene		8.36		0.39	2.46	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	1,3-Dichlorobenzene		0.96	J	0.48	3.01	ug/m3
Q1725-07	SSSG-B10-1-03312	Air	Hexane		3.52		0.39	1.76	ug/m3
			Total Voc :		167				
Q1725-07	SSSG-B10-1-03312	Air	Pentane, 2-methyl-	*	1.60	J	0	0	ppbv
Q1725-07	SSSG-B10-1-03312	Air	1-Propene, 2-methyl-	*	2.70	J	0	0	ppbv
Q1725-07	SSSG-B10-1-03312	Air	Nonanal	*	2.80	J	0	0	ppbv
Q1725-07	SSSG-B10-1-03312	Air	Hexane, 3-methyl-	*	1.20	J	0	0	ppbv
Q1725-07	SSSG-B10-1-03312	Air	Benzene, 1-ethyl-2-methyl-	*	1.40	J	0	0	ppbv
Q1725-07	SSSG-B10-1-03312	Air	1-Hexene, 4-methyl-	*	1.30	J	0	0	ppbv
Q1725-07	SSSG-B10-1-03312	Air	Undecane, 4,6-dimethyl-	*	1.70	J	0	0	ppbv
Q1725-07	SSSG-B10-1-03312	Air	Chlorodifluoromethane	*	0.13	J	0.090	0.50	ppbv

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Hit Summary Sheet
SW-846

SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1725-07	SSSG-B10-1-03312	Air	Propene	*	1.40	J	0.15	0.50	ppbv
Q1725-07	SSSG-B10-1-03312	Air	n-propylbenzene	*	0.23	J	0.080	0.50	ppbv
			Total Tics :		14.5				
			Total Concentration:		181				
Client ID:	**SSSG-B10-1-03312025-SPLITDL**								
Q1725-07DL	SSSG-B10-1-03312	Air	Acetone		76.0	D	5.70	11.9	ug/m3
Q1725-07DL	SSSG-B10-1-03312	Air	Methylene Chloride		9.73	JD	6.60	17.4	ug/m3
Q1725-07DL	SSSG-B10-1-03312	Air	2-Butanone		4.72	JD	3.54	14.8	ug/m3
Q1725-07DL	SSSG-B10-1-03312	Air	Chloroform		12.2	JD	4.05	24.4	ug/m3
Q1725-07DL	SSSG-B10-1-03312	Air	Toluene		11.7	JD	4.15	18.8	ug/m3
Q1725-07DL	SSSG-B10-1-03312	Air	Tetrachloroethene		4.95	D	1.02	2.03	ug/m3
Q1725-07DL	SSSG-B10-1-03312	Air	m/p-Xylene		10.9	JD	9.12	43.4	ug/m3
Q1725-07DL	SSSG-B10-1-03312	Air	o-Xylene		5.21	JD	5.21	21.7	ug/m3
			Total Voc :		135				
			Total Concentration:		135				
Client ID:	**SSSG-B10-2-03312025**								
Q1725-08	SSSG-B10-2-03312	Air	Chloromethane		0.93	J	0.81	4.13	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	tert-Butyl alcohol		3.64	J	2.30	6.06	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Acetone		333	E	2.28	4.75	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Methylene Chloride		3.34	J	2.64	6.95	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	2-Butanone		64.6		1.42	5.90	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Chloroform		7.33	J	1.61	9.77	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Benzene		1.47	J	1.12	6.39	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Toluene		6.78	J	1.66	7.54	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Tetrachloroethene		21.0		0.41	0.81	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Ethyl Benzene		2.26	J	2.08	8.69	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	m/p-Xylene		8.25	J	3.65	17.4	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	o-Xylene		3.61	J	2.08	8.69	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	1,2,4-Trimethylbenzene		3.34	J	1.52	9.83	ug/m3
Q1725-08	SSSG-B10-2-03312	Air	Hexane		1.80	J	1.55	7.05	ug/m3
			Total Voc :		461				
Q1725-08	SSSG-B10-2-03312	Air	D-Limonene	*	33.8	J	0	0	ppbv
Q1725-08	SSSG-B10-2-03312	Air	Butanoic acid, 2-methyl-, ethyl	*	29.6	J	0	0	ppbv
Q1725-08	SSSG-B10-2-03312	Air	Propene	*	7.50	J	0.60	2.00	ppbv
			Total Tics :		70.9				
			Total Concentration:		532				
Client ID:	**SSSG-B10-2-03312025DL**								
Q1725-08DL	SSSG-B10-2-03312	Air	Acetone		380	D	22.8	47.5	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q1725

Client: Woodard & Curran

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1725-08DL	SSSG-B10-2-03312	Air	2-Butanone	61.9	D	14.2	59.0	ug/m3
Q1725-08DL	SSSG-B10-2-03312	Air	Tetrachloroethene	20.3	D	4.07	8.14	ug/m3
			Total Voc :	462				
			Total Concentration:	462				

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-B1-2-04012025

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-01

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.4	J	1.98		
Chloromethane	74-87-3	50.49	0.1	U	0.21		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.21	J	1.18		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.12	J	0.49		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	2.5		5.94		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.98		3.4		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.2	J	0.59		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	2		9.77		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.14	J	0.45		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.07		0.38		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	2.1		7.91		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-B1-2-04012025 **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-01 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.05		0.34		
Chlorobenzene	108-90-7	112.6	0.2	J	0.92		
Ethyl Benzene	100-41-4	106.2	0.28	J	1.22		
m/p-Xylene	179601-23-1	106.2	1.2		5.21		
o-Xylene	95-47-6	106.2	0.4	J	1.74		
Styrene	100-42-5	104.1	0.22	J	0.94		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.23	J	1.13		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.31	J	1.09		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-B10-4-04012025

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-02

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	0.4	J	1.98		
Chloromethane	74-87-3	50.49	0.13	J	0.27		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.23	J	1.29		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.49	J	1.49		
Heptane	142-82-5	100.2	0.15	J	0.61		
1,1-Dichloroethene	75-35-4	96.94	1.6		6.34		
Acetone	67-64-1	58.08	31.3	E	74.4		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.67		2.33		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.69		2.04		
Carbon Tetrachloride	56-23-5	153.8	3.6		22.6		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	120	E	586		
1,1,1-Trichloroethane	71-55-6	133.4	0.11		0.6		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.24	J	0.77		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.92		4.94		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.42	J	2.81		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	1.4		5.28		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-B10-4-04012025 **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-02 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	3.1		21.0		
Chlorobenzene	108-90-7	112.6	0.16	J	0.74		
Ethyl Benzene	100-41-4	106.2	0.27	J	1.17		
m/p-Xylene	179601-23-1	106.2	1.1		4.78		
o-Xylene	95-47-6	106.2	0.39	J	1.69		
Styrene	100-42-5	104.1	0.34	J	1.45		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.38	J	1.87		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.45	J	1.59		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-B10-4-04012025D

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-02DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	2.1	UD	10.4		
Chloromethane	74-87-3	50.49	0.98	UD	2.02		
Vinyl Chloride	75-01-4	62.5	0.14	UD	0.36		
Bromomethane	74-83-9	94.94	1.4	UD	5.44		
Chloroethane	75-00-3	64.52	1.7	UD	4.49		
Tetrahydrofuran	109-99-9	72.11	1.3	UD	3.83		
Trichlorofluoromethane	75-69-4	137.4	1.6	UD	8.99		
Dichlorotetrafluoroethane	76-14-2	170.9	0.88	UD	6.15		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.6	UD	12.3		
tert-Butyl alcohol	75-65-0	74.12	1.9	UD	5.76		
Heptane	142-82-5	100.2	1.1	UD	4.51		
1,1-Dichloroethene	75-35-4	96.94	1.6	JD	6.34		
Acetone	67-64-1	58.08	33.9	D	80.5		
Carbon Disulfide	75-15-0	76.14	1.6	UD	4.98		
Methyl tert-Butyl Ether	1634-04-4	88.15	1.2	UD	4.33		
Methylene Chloride	75-09-2	84.94	2.5	JD	8.69		
trans-1,2-Dichloroethene	156-60-5	96.94	1.9	UD	7.53		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	1.2	UD	3.54		
Carbon Tetrachloride	56-23-5	153.8	3.3	D	20.8		
cis-1,2-Dichloroethene	156-59-2	96.94	0.89	UD	3.53		
Chloroform	67-66-3	119.4	400	ED	1953		
1,1,1-Trichloroethane	71-55-6	133.4	0.1	UD	0.55		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	0.87	UD	2.78		
1,2-Dichloroethane	107-06-2	98.96	0.91	UD	3.68		
Trichloroethene	79-01-6	131.4	0.98	D	5.27		
1,2-Dichloropropane	78-87-5	113	1.1	UD	5.08		
Bromodichloromethane	75-27-4	163.8	0.77	UD	5.16		
4-Methyl-2-Pentanone	108-10-1	100.2	0.93	UD	3.81		
Toluene	108-88-3	92.14	1.2	JD	4.52		
t-1,3-Dichloropropene	10061-02-6	111	0.6	UD	2.72		
cis-1,3-Dichloropropene	10061-01-5	111	0.64	UD	2.91		
1,1,2-Trichloroethane	79-00-5	133.4	0.71	UD	3.87		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-B10-4-04012025D **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-02DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.66	UD	5.62		
1,2-Dibromoethane	106-93-4	187.9	0.72	UD	5.53		
Tetrachloroethene	127-18-4	165.8	2.9	D	19.7		
Chlorobenzene	108-90-7	112.6	0.76	UD	3.5		
Ethyl Benzene	100-41-4	106.2	1.2	UD	5.21		
m/p-Xylene	179601-23-1	106.2	2.1	UD	9.12		
o-Xylene	95-47-6	106.2	1.2	UD	5.21		
Styrene	100-42-5	104.1	1.1	UD	4.68		
Bromoform	75-25-2	252.8	0.57	UD	5.89		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.11	UD	0.76		
2-Chlorotoluene	95-49-8	126.6	1.1	UD	5.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.1	UD	5.41		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.78	UD	3.83		
1,3-Dichlorobenzene	541-73-1	147	0.8	UD	4.81		
1,4-Dichlorobenzene	106-46-7	147	0.53	UD	3.19		
1,2-Dichlorobenzene	95-50-1	147	0.75	UD	4.51		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.85	UD	6.31		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.85	UD	9.07		
Naphthalene	91-20-3	128.17	0.75	UD	3.93		
1,3-Butadiene	106-99-0	54.09	1.3	UD	2.88		
4-Ethyltoluene	622-96-8	120.2	1.2	UD	5.9		
Hexane	110-54-3	86.17	1.1	UD	3.88		
Allyl Chloride	107-05-1	76.53	1.5	UD	4.7		
1,4-Dioxane	123-91-1	88.12	2.1	UD	7.57		
Methyl Methacrylate	80-62-6	100.117	0.86	UD	3.52		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-B10-4-04012025D

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-02DL2

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	8.4	UD	41.5		
Chloromethane	74-87-3	50.49	3.9	UD	8.05		
Vinyl Chloride	75-01-4	62.5	0.56	UD	1.43		
Bromomethane	74-83-9	94.94	5.6	UD	21.7		
Chloroethane	75-00-3	64.52	6.8	UD	17.9		
Tetrahydrofuran	109-99-9	72.11	5.2	UD	15.3		
Trichlorofluoromethane	75-69-4	137.4	6.4	UD	36.0		
Dichlorotetrafluoroethane	76-14-2	170.9	3.5	UD	24.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	6.4	UD	49.0		
tert-Butyl alcohol	75-65-0	74.12	7.6	UD	23.0		
Heptane	142-82-5	100.2	4.4	UD	18.0		
1,1-Dichloroethene	75-35-4	96.94	5.6	UD	22.2		
Acetone	67-64-1	58.08	42.5	D	100		
Carbon Disulfide	75-15-0	76.14	6.4	UD	19.9		
Methyl tert-Butyl Ether	1634-04-4	88.15	4.8	UD	17.3		
Methylene Chloride	75-09-2	84.94	7.6	UD	26.4		
trans-1,2-Dichloroethene	156-60-5	96.94	7.6	UD	30.1		
1,1-Dichloroethane	75-34-3	98.96	5.2	UD	21.0		
Cyclohexane	110-82-7	84.16	8.8	UD	30.3		
2-Butanone	78-93-3	72.11	4.8	UD	14.2		
Carbon Tetrachloride	56-23-5	153.8	0.44	UD	2.77		
cis-1,2-Dichloroethene	156-59-2	96.94	3.6	UD	14.3		
Chloroform	67-66-3	119.4	480	D	2344		
1,1,1-Trichloroethane	71-55-6	133.4	0.38	UD	2.07		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	3.5	UD	11.2		
1,2-Dichloroethane	107-06-2	98.96	3.6	UD	14.6		
Trichloroethene	79-01-6	131.4	0.68	UD	3.65		
1,2-Dichloropropane	78-87-5	113	4.4	UD	20.3		
Bromodichloromethane	75-27-4	163.8	3.1	UD	20.8		
4-Methyl-2-Pentanone	108-10-1	100.2	3.7	UD	15.2		
Toluene	108-88-3	92.14	4.4	UD	16.6		
t-1,3-Dichloropropene	10061-02-6	111	2.4	UD	10.9		
cis-1,3-Dichloropropene	10061-01-5	111	2.6	UD	11.8		
1,1,2-Trichloroethane	79-00-5	133.4	2.8	UD	15.3		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-B10-4-04012025D **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-02DL2 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	2.6	UD	22.2		
1,2-Dibromoethane	106-93-4	187.9	2.9	UD	22.3		
Tetrachloroethene	127-18-4	165.8	0.6	UD	4.07		
Chlorobenzene	108-90-7	112.6	3	UD	13.8		
Ethyl Benzene	100-41-4	106.2	4.8	UD	20.8		
m/p-Xylene	179601-23-1	106.2	8.4	UD	36.5		
o-Xylene	95-47-6	106.2	4.8	UD	20.8		
Styrene	100-42-5	104.1	4.4	UD	18.7		
Bromoform	75-25-2	252.8	2.3	UD	23.8		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.44	UD	3.02		
2-Chlorotoluene	95-49-8	126.6	4.4	UD	22.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	4.4	UD	21.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	3.1	UD	15.2		
1,3-Dichlorobenzene	541-73-1	147	3.2	UD	19.2		
1,4-Dichlorobenzene	106-46-7	147	2.1	UD	12.6		
1,2-Dichlorobenzene	95-50-1	147	3	UD	18.0		
1,2,4-Trichlorobenzene	120-82-1	181.5	3.4	UD	25.2		
Hexachloro-1,3-Butadiene	87-68-3	260.8	3.4	UD	36.3		
Naphthalene	91-20-3	128.17	3	UD	15.7		
1,3-Butadiene	106-99-0	54.09	5.2	UD	11.5		
4-Ethyltoluene	622-96-8	120.2	4.8	UD	23.6		
Hexane	110-54-3	86.17	4.4	UD	15.5		
Allyl Chloride	107-05-1	76.53	6	UD	18.8		
1,4-Dioxane	123-91-1	88.12	8.4	UD	30.3		
Methyl Methacrylate	80-62-6	100.117	3.4	UD	13.9		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-DUP-2-04012025

Analysis Date : 04/08/25

Laboratory Id Number : Q1725-03

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	0.37	J	1.83		
Chloromethane	74-87-3	50.49	0.41	J	0.85		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.2	J	1.12		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	38.5	E	91.5		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.63		2.19		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.44	J	1.3		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.39	J	1.9		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.16	J	0.51		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.05		0.27		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.72		2.71		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-DUP-2-04012025 **Analysis Date :** 04/08/25

Laboratory Id Number : Q1725-03 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.08		0.54		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	1.3		5.65		
m/p-Xylene	179601-23-1	106.2	6.3		27.4		
o-Xylene	95-47-6	106.2	1.2		5.21		
Styrene	100-42-5	104.1	0.35	J	1.49		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.13	J	0.64		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	J	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.28	J	0.99		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-DUP-2-04012025[

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-03DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.84	UD	4.15		
Chloromethane	74-87-3	50.49	0.53	JD	1.09		
Vinyl Chloride	75-01-4	62.5	0.06	UD	0.15		
Bromomethane	74-83-9	94.94	0.56	UD	2.17		
Chloroethane	75-00-3	64.52	0.68	UD	1.79		
Tetrahydrofuran	109-99-9	72.11	0.52	UD	1.53		
Trichlorofluoromethane	75-69-4	137.4	0.64	UD	3.6		
Dichlorotetrafluoroethane	76-14-2	170.9	0.35	UD	2.45		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.64	UD	4.91		
tert-Butyl alcohol	75-65-0	74.12	0.76	UD	2.3		
Heptane	142-82-5	100.2	0.44	UD	1.8		
1,1-Dichloroethene	75-35-4	96.94	0.56	UD	2.22		
Acetone	67-64-1	58.08	43.7	D	103		
Carbon Disulfide	75-15-0	76.14	0.64	UD	1.99		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.48	UD	1.73		
Methylene Chloride	75-09-2	84.94	1.2	JD	4.17		
trans-1,2-Dichloroethene	156-60-5	96.94	0.76	UD	3.01		
1,1-Dichloroethane	75-34-3	98.96	0.52	UD	2.1		
Cyclohexane	110-82-7	84.16	0.88	UD	3.03		
2-Butanone	78-93-3	72.11	0.48	UD	1.42		
Carbon Tetrachloride	56-23-5	153.8	0.04	UD	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.36	UD	1.43		
Chloroform	67-66-3	119.4	0.43	JD	2.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.04	UD	0.22		
2,2,4-Trimethylpentane	540-84-1	114.2	0.4	UD	1.87		
Benzene	71-43-2	78.11	0.35	UD	1.12		
1,2-Dichloroethane	107-06-2	98.96	0.36	UD	1.46		
Trichloroethene	79-01-6	131.4	0.07	UD	0.38		
1,2-Dichloropropane	78-87-5	113	0.44	UD	2.03		
Bromodichloromethane	75-27-4	163.8	0.31	UD	2.08		
4-Methyl-2-Pentanone	108-10-1	100.2	0.37	UD	1.52		
Toluene	108-88-3	92.14	0.61	JD	2.3		
t-1,3-Dichloropropene	10061-02-6	111	0.24	UD	1.09		
cis-1,3-Dichloropropene	10061-01-5	111	0.26	UD	1.18		
1,1,2-Trichloroethane	79-00-5	133.4	0.28	UD	1.53		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-DUP-2-04012025[**Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-03DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.26	UD	2.22		
1,2-Dibromoethane	106-93-4	187.9	0.29	UD	2.23		
Tetrachloroethene	127-18-4	165.8	0.06	UD	0.41		
Chlorobenzene	108-90-7	112.6	0.3	UD	1.38		
Ethyl Benzene	100-41-4	106.2	1	JD	4.34		
m/p-Xylene	179601-23-1	106.2	4.2	D	18.2		
o-Xylene	95-47-6	106.2	0.84	JD	3.65		
Styrene	100-42-5	104.1	0.44	UD	1.87		
Bromoform	75-25-2	252.8	0.23	UD	2.38		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	UD	0.27		
2-Chlorotoluene	95-49-8	126.6	0.44	UD	2.28		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.44	UD	2.16		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.31	UD	1.52		
1,3-Dichlorobenzene	541-73-1	147	0.32	UD	1.92		
1,4-Dichlorobenzene	106-46-7	147	0.21	UD	1.26		
1,2-Dichlorobenzene	95-50-1	147	0.3	UD	1.8		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.34	UD	2.52		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.34	UD	3.63		
Naphthalene	91-20-3	128.17	0.3	UD	1.57		
1,3-Butadiene	106-99-0	54.09	0.52	UD	1.15		
4-Ethyltoluene	622-96-8	120.2	0.48	UD	2.36		
Hexane	110-54-3	86.17	0.44	UD	1.55		
Allyl Chloride	107-05-1	76.53	0.6	UD	1.88		
1,4-Dioxane	123-91-1	88.12	0.84	UD	3.03		
Methyl Methacrylate	80-62-6	100.117	0.34	UD	1.39		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : AA-1-03312025

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-04

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	0.4	J	1.98		
Chloromethane	74-87-3	50.49	0.58		1.2		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.21	J	1.18		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	J	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	5.1		12.1		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.4	J	1.39		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.53		1.56		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.08	U	0.39		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.14	J	0.45		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.13	J	0.53		
Toluene	108-88-3	92.14	0.61		2.3		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : AA-1-03312025 **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-04 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.22	J	0.96		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.33	J	1.16		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-B14-3-04012025

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-05

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	0.46	J	2.27		
Chloromethane	74-87-3	50.49	0.47	J	0.97		
Vinyl Chloride	75-01-4	62.5	0.03	U	0.08		
Bromomethane	74-83-9	94.94	0.28	U	1.09		
Chloroethane	75-00-3	64.52	0.34	U	0.9		
Tetrahydrofuran	109-99-9	72.11	0.26	U	0.77		
Trichlorofluoromethane	75-69-4	137.4	0.32	U	1.8		
Dichlorotetrafluoroethane	76-14-2	170.9	0.18	U	1.26		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.32	U	2.45		
tert-Butyl alcohol	75-65-0	74.12	0.38	U	1.15		
Heptane	142-82-5	100.2	0.22	U	0.9		
1,1-Dichloroethene	75-35-4	96.94	0.28	U	1.11		
Acetone	67-64-1	58.08	44.2	E	105		
Carbon Disulfide	75-15-0	76.14	0.32	U	1		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.24	U	0.87		
Methylene Chloride	75-09-2	84.94	0.64	J	2.22		
trans-1,2-Dichloroethene	156-60-5	96.94	0.38	U	1.51		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	0.72	J	2.12		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.18	U	0.71		
Chloroform	67-66-3	119.4	0.21	J	1.03		
1,1,1-Trichloroethane	71-55-6	133.4	0.02	U	0.11		
2,2,4-Trimethylpentane	540-84-1	114.2	0.2	U	0.93		
Benzene	71-43-2	78.11	0.17	U	0.54		
1,2-Dichloroethane	107-06-2	98.96	0.18	U	0.73		
Trichloroethene	79-01-6	131.4	0.03	U	0.16		
1,2-Dichloropropane	78-87-5	113	0.22	U	1.02		
Bromodichloromethane	75-27-4	163.8	0.15	U	1		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	0.77	J	2.9		
t-1,3-Dichloropropene	10061-02-6	111	0.12	U	0.54		
cis-1,3-Dichloropropene	10061-01-5	111	0.13	U	0.59		
1,1,2-Trichloroethane	79-00-5	133.4	0.14	U	0.76		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-B14-3-04012025 **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-05 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.13	U	1.11		
1,2-Dibromoethane	106-93-4	187.9	0.14	U	1.08		
Tetrachloroethene	127-18-4	165.8	0.08		0.54		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.92	J	4		
m/p-Xylene	179601-23-1	106.2	4		17.4		
o-Xylene	95-47-6	106.2	0.83	J	3.61		
Styrene	100-42-5	104.1	0.4	J	1.7		
Bromoform	75-25-2	252.8	0.11	U	1.14		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.02	U	0.14		
2-Chlorotoluene	95-49-8	126.6	0.22	U	1.14		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.22	U	1.08		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.16	U	0.79		
1,3-Dichlorobenzene	541-73-1	147	0.16	U	0.96		
1,4-Dichlorobenzene	106-46-7	147	0.11	U	0.66		
1,2-Dichlorobenzene	95-50-1	147	0.15	U	0.9		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.17	U	1.26		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.17	U	1.81		
Naphthalene	91-20-3	128.17	0.15	U	0.79		
1,3-Butadiene	106-99-0	54.09	0.26	U	0.58		
4-Ethyltoluene	622-96-8	120.2	0.24	U	1.18		
Hexane	110-54-3	86.17	0.26	J	0.92		
Allyl Chloride	107-05-1	76.53	0.3	U	0.94		
1,4-Dioxane	123-91-1	88.12	0.42	U	1.51		
Methyl Methacrylate	80-62-6	100.117	0.17	U	0.7		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 04/01/25

Field Id Number : SSSG-B14-3-04012025D

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-05DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	2.1	UD	10.4		
Chloromethane	74-87-3	50.49	0.98	UD	2.02		
Vinyl Chloride	75-01-4	62.5	0.14	UD	0.36		
Bromomethane	74-83-9	94.94	1.4	UD	5.44		
Chloroethane	75-00-3	64.52	1.7	UD	4.49		
Tetrahydrofuran	109-99-9	72.11	1.3	UD	3.83		
Trichlorofluoromethane	75-69-4	137.4	1.6	UD	8.99		
Dichlorotetrafluoroethane	76-14-2	170.9	0.88	UD	6.15		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.6	UD	12.3		
tert-Butyl alcohol	75-65-0	74.12	1.9	UD	5.76		
Heptane	142-82-5	100.2	1.1	UD	4.51		
1,1-Dichloroethene	75-35-4	96.94	1.4	UD	5.55		
Acetone	67-64-1	58.08	46.2	D	109		
Carbon Disulfide	75-15-0	76.14	1.6	UD	4.98		
Methyl tert-Butyl Ether	1634-04-4	88.15	1.2	UD	4.33		
Methylene Chloride	75-09-2	84.94	1.9	UD	6.6		
trans-1,2-Dichloroethene	156-60-5	96.94	1.9	UD	7.53		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	1.2	UD	3.54		
Carbon Tetrachloride	56-23-5	153.8	0.11	UD	0.69		
cis-1,2-Dichloroethene	156-59-2	96.94	0.89	UD	3.53		
Chloroform	67-66-3	119.4	0.83	UD	4.05		
1,1,1-Trichloroethane	71-55-6	133.4	0.1	UD	0.55		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	0.87	UD	2.78		
1,2-Dichloroethane	107-06-2	98.96	0.91	UD	3.68		
Trichloroethene	79-01-6	131.4	0.17	UD	0.91		
1,2-Dichloropropane	78-87-5	113	1.1	UD	5.08		
Bromodichloromethane	75-27-4	163.8	0.77	UD	5.16		
4-Methyl-2-Pentanone	108-10-1	100.2	0.93	UD	3.81		
Toluene	108-88-3	92.14	1.1	UD	4.15		
t-1,3-Dichloropropene	10061-02-6	111	0.6	UD	2.72		
cis-1,3-Dichloropropene	10061-01-5	111	0.64	UD	2.91		
1,1,2-Trichloroethane	79-00-5	133.4	0.71	UD	3.87		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 04/01/25

Field Id Number : SSSG-B14-3-04012025D **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-05DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.66	UD	5.62		
1,2-Dibromoethane	106-93-4	187.9	0.72	UD	5.53		
Tetrachloroethene	127-18-4	165.8	0.15	UD	1.02		
Chlorobenzene	108-90-7	112.6	0.76	UD	3.5		
Ethyl Benzene	100-41-4	106.2	1.2	UD	5.21		
m/p-Xylene	179601-23-1	106.2	3	JD	13.0		
o-Xylene	95-47-6	106.2	1.2	UD	5.21		
Styrene	100-42-5	104.1	1.1	UD	4.68		
Bromoform	75-25-2	252.8	0.57	UD	5.89		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.11	UD	0.76		
2-Chlorotoluene	95-49-8	126.6	1.1	UD	5.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.1	UD	5.41		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.78	UD	3.83		
1,3-Dichlorobenzene	541-73-1	147	0.8	UD	4.81		
1,4-Dichlorobenzene	106-46-7	147	0.53	UD	3.19		
1,2-Dichlorobenzene	95-50-1	147	0.75	UD	4.51		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.85	UD	6.31		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.85	UD	9.07		
Naphthalene	91-20-3	128.17	0.75	UD	3.93		
1,3-Butadiene	106-99-0	54.09	1.3	UD	2.88		
4-Ethyltoluene	622-96-8	120.2	1.2	UD	5.9		
Hexane	110-54-3	86.17	1.1	UD	3.88		
Allyl Chloride	107-05-1	76.53	1.5	UD	4.7		
1,4-Dioxane	123-91-1	88.12	2.1	UD	7.57		
Methyl Methacrylate	80-62-6	100.117	0.86	UD	3.52		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 03/31/25

Field Id Number : SSSG-B10-3-03312025

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-06

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	0.84	U	4.15		
Chloromethane	74-87-3	50.49	0.65	J	1.34		
Vinyl Chloride	75-01-4	62.5	0.06	U	0.15		
Bromomethane	74-83-9	94.94	0.56	U	2.17		
Chloroethane	75-00-3	64.52	0.68	U	1.79		
Tetrahydrofuran	109-99-9	72.11	0.97	J	2.86		
Trichlorofluoromethane	75-69-4	137.4	0.64	U	3.6		
Dichlorotetrafluoroethane	76-14-2	170.9	0.35	U	2.45		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.64	U	4.91		
tert-Butyl alcohol	75-65-0	74.12	1.2	J	3.64		
Heptane	142-82-5	100.2	0.44	U	1.8		
1,1-Dichloroethene	75-35-4	96.94	0.56	U	2.22		
Acetone	67-64-1	58.08	160	E	380		
Carbon Disulfide	75-15-0	76.14	0.64	U	1.99		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.48	U	1.73		
Methylene Chloride	75-09-2	84.94	6.8		23.6		
trans-1,2-Dichloroethene	156-60-5	96.94	0.76	U	3.01		
1,1-Dichloroethane	75-34-3	98.96	0.52	U	2.1		
Cyclohexane	110-82-7	84.16	0.88	U	3.03		
2-Butanone	78-93-3	72.11	19.6		57.8		
Carbon Tetrachloride	56-23-5	153.8	0.04	U	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.36	U	1.43		
Chloroform	67-66-3	119.4	1.4	J	6.84		
1,1,1-Trichloroethane	71-55-6	133.4	0.04	U	0.22		
2,2,4-Trimethylpentane	540-84-1	114.2	0.4	U	1.87		
Benzene	71-43-2	78.11	0.35	U	1.12		
1,2-Dichloroethane	107-06-2	98.96	0.36	U	1.46		
Trichloroethene	79-01-6	131.4	0.07	U	0.38		
1,2-Dichloropropane	78-87-5	113	0.44	U	2.03		
Bromodichloromethane	75-27-4	163.8	0.31	U	2.08		
4-Methyl-2-Pentanone	108-10-1	100.2	0.37	U	1.52		
Toluene	108-88-3	92.14	0.48	J	1.81		
t-1,3-Dichloropropene	10061-02-6	111	0.24	U	1.09		
cis-1,3-Dichloropropene	10061-01-5	111	0.26	U	1.18		
1,1,2-Trichloroethane	79-00-5	133.4	0.28	U	1.53		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 03/31/25

Field Id Number : SSSG-B10-3-03312025 **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-06 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.26	U	2.22		
1,2-Dibromoethane	106-93-4	187.9	0.29	U	2.23		
Tetrachloroethene	127-18-4	165.8	2.5		17.0		
Chlorobenzene	108-90-7	112.6	0.3	U	1.38		
Ethyl Benzene	100-41-4	106.2	0.48	U	2.08		
m/p-Xylene	179601-23-1	106.2	0.84	U	3.65		
o-Xylene	95-47-6	106.2	0.48	U	2.08		
Styrene	100-42-5	104.1	0.44	U	1.87		
Bromoform	75-25-2	252.8	0.23	U	2.38		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.44	U	2.28		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.44	U	2.16		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.31	U	1.52		
1,3-Dichlorobenzene	541-73-1	147	0.32	U	1.92		
1,4-Dichlorobenzene	106-46-7	147	0.21	U	1.26		
1,2-Dichlorobenzene	95-50-1	147	0.3	U	1.8		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.34	U	2.52		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.34	U	3.63		
Naphthalene	91-20-3	128.17	0.3	U	1.57		
1,3-Butadiene	106-99-0	54.09	0.52	U	1.15		
4-Ethyltoluene	622-96-8	120.2	0.48	U	2.36		
Hexane	110-54-3	86.17	2		7.05		
Allyl Chloride	107-05-1	76.53	0.6	U	1.88		
1,4-Dioxane	123-91-1	88.12	0.84	U	3.03		
Methyl Methacrylate	80-62-6	100.117	0.34	U	1.39		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 03/31/25

Field Id Number : SSSG-B10-3-03312025D

Analysis Date : 04/08/25

Laboratory Id Number : Q1725-06DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	8.4	UD	41.5		
Chloromethane	74-87-3	50.49	3.9	UD	8.05		
Vinyl Chloride	75-01-4	62.5	0.56	UD	1.43		
Bromomethane	74-83-9	94.94	5.6	UD	21.7		
Chloroethane	75-00-3	64.52	6.8	UD	17.9		
Tetrahydrofuran	109-99-9	72.11	5.2	UD	15.3		
Trichlorofluoromethane	75-69-4	137.4	6.4	UD	36.0		
Dichlorotetrafluoroethane	76-14-2	170.9	3.5	UD	24.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	6.4	UD	49.0		
tert-Butyl alcohol	75-65-0	74.12	7.6	UD	23.0		
Heptane	142-82-5	100.2	4.4	UD	18.0		
1,1-Dichloroethene	75-35-4	96.94	5.6	UD	22.2		
Acetone	67-64-1	58.08	160	D	380		
Carbon Disulfide	75-15-0	76.14	6.4	UD	19.9		
Methyl tert-Butyl Ether	1634-04-4	88.15	4.8	UD	17.3		
Methylene Chloride	75-09-2	84.94	13.2	JD	45.9		
trans-1,2-Dichloroethene	156-60-5	96.94	7.6	UD	30.1		
1,1-Dichloroethane	75-34-3	98.96	5.2	UD	21.0		
Cyclohexane	110-82-7	84.16	8.8	UD	30.3		
2-Butanone	78-93-3	72.11	16.7	JD	49.2		
Carbon Tetrachloride	56-23-5	153.8	0.44	UD	2.77		
cis-1,2-Dichloroethene	156-59-2	96.94	3.6	UD	14.3		
Chloroform	67-66-3	119.4	3.3	UD	16.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.38	UD	2.07		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	3.5	UD	11.2		
1,2-Dichloroethane	107-06-2	98.96	3.6	UD	14.6		
Trichloroethene	79-01-6	131.4	0.68	UD	3.65		
1,2-Dichloropropane	78-87-5	113	4.4	UD	20.3		
Bromodichloromethane	75-27-4	163.8	3.1	UD	20.8		
4-Methyl-2-Pentanone	108-10-1	100.2	3.7	UD	15.2		
Toluene	108-88-3	92.14	4.4	UD	16.6		
t-1,3-Dichloropropene	10061-02-6	111	2.4	UD	10.9		
cis-1,3-Dichloropropene	10061-01-5	111	2.6	UD	11.8		
1,1,2-Trichloroethane	79-00-5	133.4	2.8	UD	15.3		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 03/31/25

Field Id Number : SSSG-B10-3-03312025D **Analysis Date :** 04/08/25

Laboratory Id Number : Q1725-06DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	2.6	UD	22.2		
1,2-Dibromoethane	106-93-4	187.9	2.9	UD	22.3		
Tetrachloroethene	127-18-4	165.8	2.5	D	17.0		
Chlorobenzene	108-90-7	112.6	3	UD	13.8		
Ethyl Benzene	100-41-4	106.2	4.8	UD	20.8		
m/p-Xylene	179601-23-1	106.2	8.4	UD	36.5		
o-Xylene	95-47-6	106.2	4.8	UD	20.8		
Styrene	100-42-5	104.1	4.4	UD	18.7		
Bromoform	75-25-2	252.8	2.3	UD	23.8		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.44	UD	3.02		
2-Chlorotoluene	95-49-8	126.6	4.4	UD	22.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	4.4	UD	21.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	3.1	UD	15.2		
1,3-Dichlorobenzene	541-73-1	147	3.2	UD	19.2		
1,4-Dichlorobenzene	106-46-7	147	2.1	UD	12.6		
1,2-Dichlorobenzene	95-50-1	147	3	UD	18.0		
1,2,4-Trichlorobenzene	120-82-1	181.5	3.4	UD	25.2		
Hexachloro-1,3-Butadiene	87-68-3	260.8	3.4	UD	36.3		
Naphthalene	91-20-3	128.17	3	UD	15.7		
1,3-Butadiene	106-99-0	54.09	5.2	UD	11.5		
4-Ethyltoluene	622-96-8	120.2	4.8	UD	23.6		
Hexane	110-54-3	86.17	4.4	UD	15.5		
Allyl Chloride	107-05-1	76.53	6	UD	18.8		
1,4-Dioxane	123-91-1	88.12	8.4	UD	30.3		
Methyl Methacrylate	80-62-6	100.117	3.4	UD	13.9		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 03/31/25

Field Id Number : SSSG-B10-1-03312025-S

Analysis Date : 04/08/25

Laboratory Id Number : Q1725-07

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	0.36	J	1.78		
Chloromethane	74-87-3	50.49	0.1	U	0.21		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.24	J	1.35		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.8		2.43		
Heptane	142-82-5	100.2	0.61		2.5		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	28.2	E	67.0		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	1.1		3.82		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	1.5		4.42		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	2.4		11.7		
1,1,1-Trichloroethane	71-55-6	133.4	0.03		0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.29	J	1.35		
Benzene	71-43-2	78.11	0.49	J	1.57		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.26		1.4		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	4.3		16.2		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 03/31/25

Field Id Number : SSSG-B10-1-03312025-S **Analysis Date :** 04/08/25

Laboratory Id Number : Q1725-07 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.75		5.09		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.87		3.78		
m/p-Xylene	179601-23-1	106.2	4.3		18.7		
o-Xylene	95-47-6	106.2	1.8		7.82		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.44	J	2.16		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.7		8.36		
1,3-Dichlorobenzene	541-73-1	147	0.16	J	0.96		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	1		3.52		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 03/31/25

Field Id Number : SSSG-B10-1-03312025-S

Analysis Date : 04/07/25

Laboratory Id Number : Q1725-07DL

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	2.1	UD	10.4		
Chloromethane	74-87-3	50.49	0.98	UD	2.02		
Vinyl Chloride	75-01-4	62.5	0.14	UD	0.36		
Bromomethane	74-83-9	94.94	1.4	UD	5.44		
Chloroethane	75-00-3	64.52	1.7	UD	4.49		
Tetrahydrofuran	109-99-9	72.11	1.3	UD	3.83		
Trichlorofluoromethane	75-69-4	137.4	1.6	UD	8.99		
Dichlorotetrafluoroethane	76-14-2	170.9	0.88	UD	6.15		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.6	UD	12.3		
tert-Butyl alcohol	75-65-0	74.12	1.9	UD	5.76		
Heptane	142-82-5	100.2	1.1	UD	4.51		
1,1-Dichloroethene	75-35-4	96.94	1.4	UD	5.55		
Acetone	67-64-1	58.08	32	D	76.0		
Carbon Disulfide	75-15-0	76.14	1.6	UD	4.98		
Methyl tert-Butyl Ether	1634-04-4	88.15	1.2	UD	4.33		
Methylene Chloride	75-09-2	84.94	2.8	JD	9.73		
trans-1,2-Dichloroethene	156-60-5	96.94	1.9	UD	7.53		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	1.6	JD	4.72		
Carbon Tetrachloride	56-23-5	153.8	0.11	UD	0.69		
cis-1,2-Dichloroethene	156-59-2	96.94	0.89	UD	3.53		
Chloroform	67-66-3	119.4	2.5	JD	12.2		
1,1,1-Trichloroethane	71-55-6	133.4	0.1	UD	0.55		
2,2,4-Trimethylpentane	540-84-1	114.2	1	UD	4.67		
Benzene	71-43-2	78.11	0.87	UD	2.78		
1,2-Dichloroethane	107-06-2	98.96	0.91	UD	3.68		
Trichloroethene	79-01-6	131.4	0.17	UD	0.91		
1,2-Dichloropropane	78-87-5	113	1.1	UD	5.08		
Bromodichloromethane	75-27-4	163.8	0.77	UD	5.16		
4-Methyl-2-Pentanone	108-10-1	100.2	0.93	UD	3.81		
Toluene	108-88-3	92.14	3.1	JD	11.7		
t-1,3-Dichloropropene	10061-02-6	111	0.6	UD	2.72		
cis-1,3-Dichloropropene	10061-01-5	111	0.64	UD	2.91		
1,1,2-Trichloroethane	79-00-5	133.4	0.71	UD	3.87		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 03/31/25

Field Id Number : SSSG-B10-1-03312025-S **Analysis Date :** 04/07/25

Laboratory Id Number : Q1725-07DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.66	UD	5.62		
1,2-Dibromoethane	106-93-4	187.9	0.72	UD	5.53		
Tetrachloroethene	127-18-4	165.8	0.73	D	4.95		
Chlorobenzene	108-90-7	112.6	0.76	UD	3.5		
Ethyl Benzene	100-41-4	106.2	1.2	UD	5.21		
m/p-Xylene	179601-23-1	106.2	2.5	JD	10.9		
o-Xylene	95-47-6	106.2	1.2	JD	5.21		
Styrene	100-42-5	104.1	1.1	UD	4.68		
Bromoform	75-25-2	252.8	0.57	UD	5.89		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.11	UD	0.76		
2-Chlorotoluene	95-49-8	126.6	1.1	UD	5.7		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.1	UD	5.41		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.78	UD	3.83		
1,3-Dichlorobenzene	541-73-1	147	0.8	UD	4.81		
1,4-Dichlorobenzene	106-46-7	147	0.53	UD	3.19		
1,2-Dichlorobenzene	95-50-1	147	0.75	UD	4.51		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.85	UD	6.31		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.85	UD	9.07		
Naphthalene	91-20-3	128.17	0.75	UD	3.93		
1,3-Butadiene	106-99-0	54.09	1.3	UD	2.88		
4-Ethyltoluene	622-96-8	120.2	1.2	UD	5.9		
Hexane	110-54-3	86.17	1.1	UD	3.88		
Allyl Chloride	107-05-1	76.53	1.5	UD	4.7		
1,4-Dioxane	123-91-1	88.12	2.1	UD	7.57		
Methyl Methacrylate	80-62-6	100.117	0.86	UD	3.52		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 03/31/25

Field Id Number : SSSG-B10-2-03312025

Analysis Date : 04/08/25

Laboratory Id Number : Q1725-08

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	0.84	U	4.15		
Chloromethane	74-87-3	50.49	0.45	J	0.93		
Vinyl Chloride	75-01-4	62.5	0.06	U	0.15		
Bromomethane	74-83-9	94.94	0.56	U	2.17		
Chloroethane	75-00-3	64.52	0.68	U	1.79		
Tetrahydrofuran	109-99-9	72.11	0.52	U	1.53		
Trichlorofluoromethane	75-69-4	137.4	0.64	U	3.6		
Dichlorotetrafluoroethane	76-14-2	170.9	0.35	U	2.45		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.64	U	4.91		
tert-Butyl alcohol	75-65-0	74.12	1.2	J	3.64		
Heptane	142-82-5	100.2	0.44	U	1.8		
1,1-Dichloroethene	75-35-4	96.94	0.56	U	2.22		
Acetone	67-64-1	58.08	140	E	332		
Carbon Disulfide	75-15-0	76.14	0.64	U	1.99		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.48	U	1.73		
Methylene Chloride	75-09-2	84.94	0.96	J	3.34		
trans-1,2-Dichloroethene	156-60-5	96.94	0.76	U	3.01		
1,1-Dichloroethane	75-34-3	98.96	0.52	U	2.1		
Cyclohexane	110-82-7	84.16	0.88	U	3.03		
2-Butanone	78-93-3	72.11	21.9		64.6		
Carbon Tetrachloride	56-23-5	153.8	0.04	U	0.25		
cis-1,2-Dichloroethene	156-59-2	96.94	0.36	U	1.43		
Chloroform	67-66-3	119.4	1.5	J	7.33		
1,1,1-Trichloroethane	71-55-6	133.4	0.04	U	0.22		
2,2,4-Trimethylpentane	540-84-1	114.2	0.4	U	1.87		
Benzene	71-43-2	78.11	0.46	J	1.47		
1,2-Dichloroethane	107-06-2	98.96	0.36	U	1.46		
Trichloroethene	79-01-6	131.4	0.07	U	0.38		
1,2-Dichloropropane	78-87-5	113	0.44	U	2.03		
Bromodichloromethane	75-27-4	163.8	0.31	U	2.08		
4-Methyl-2-Pentanone	108-10-1	100.2	0.37	U	1.52		
Toluene	108-88-3	92.14	1.8	J	6.78		
t-1,3-Dichloropropene	10061-02-6	111	0.24	U	1.09		
cis-1,3-Dichloropropene	10061-01-5	111	0.26	U	1.18		
1,1,2-Trichloroethane	79-00-5	133.4	0.28	U	1.53		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 03/31/25

Field Id Number : SSSG-B10-2-03312025 **Analysis Date :** 04/08/25

Laboratory Id Number : Q1725-08 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.26	U	2.22		
1,2-Dibromoethane	106-93-4	187.9	0.29	U	2.23		
Tetrachloroethene	127-18-4	165.8	3.1		21.0		
Chlorobenzene	108-90-7	112.6	0.3	U	1.38		
Ethyl Benzene	100-41-4	106.2	0.52	J	2.26		
m/p-Xylene	179601-23-1	106.2	1.9	J	8.25		
o-Xylene	95-47-6	106.2	0.83	J	3.61		
Styrene	100-42-5	104.1	0.44	U	1.87		
Bromoform	75-25-2	252.8	0.23	U	2.38		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.44	U	2.28		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.44	U	2.16		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.68	J	3.34		
1,3-Dichlorobenzene	541-73-1	147	0.32	U	1.92		
1,4-Dichlorobenzene	106-46-7	147	0.21	U	1.26		
1,2-Dichlorobenzene	95-50-1	147	0.3	U	1.8		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.34	U	2.52		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.34	U	3.63		
Naphthalene	91-20-3	128.17	0.3	U	1.57		
1,3-Butadiene	106-99-0	54.09	0.52	U	1.15		
4-Ethyltoluene	622-96-8	120.2	0.48	U	2.36		
Hexane	110-54-3	86.17	0.51	J	1.8		
Allyl Chloride	107-05-1	76.53	0.6	U	1.88		
1,4-Dioxane	123-91-1	88.12	0.84	U	3.03		
Methyl Methacrylate	80-62-6	100.117	0.34	U	1.39		

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Project : US EPA Riverside Industrial Park Superfund Site

Sampling Date : 03/31/25

Field Id Number : SSSG-B10-2-03312025DL

Analysis Date : 04/08/25

Laboratory Id Number : Q1725-08DL

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	8.4	UD	41.5		
Chloromethane	74-87-3	50.49	3.9	UD	8.05		
Vinyl Chloride	75-01-4	62.5	0.56	UD	1.43		
Bromomethane	74-83-9	94.94	5.6	UD	21.7		
Chloroethane	75-00-3	64.52	6.8	UD	17.9		
Tetrahydrofuran	109-99-9	72.11	5.2	UD	15.3		
Trichlorofluoromethane	75-69-4	137.4	6.4	UD	36.0		
Dichlorotetrafluoroethane	76-14-2	170.9	3.5	UD	24.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	6.4	UD	49.0		
tert-Butyl alcohol	75-65-0	74.12	7.6	UD	23.0		
Heptane	142-82-5	100.2	4.4	UD	18.0		
1,1-Dichloroethene	75-35-4	96.94	5.6	UD	22.2		
Acetone	67-64-1	58.08	160	D	380		
Carbon Disulfide	75-15-0	76.14	6.4	UD	19.9		
Methyl tert-Butyl Ether	1634-04-4	88.15	4.8	UD	17.3		
Methylene Chloride	75-09-2	84.94	7.6	UD	26.4		
trans-1,2-Dichloroethene	156-60-5	96.94	7.6	UD	30.1		
1,1-Dichloroethane	75-34-3	98.96	5.2	UD	21.0		
Cyclohexane	110-82-7	84.16	8.8	UD	30.3		
2-Butanone	78-93-3	72.11	21	D	61.9		
Carbon Tetrachloride	56-23-5	153.8	0.44	UD	2.77		
cis-1,2-Dichloroethene	156-59-2	96.94	3.6	UD	14.3		
Chloroform	67-66-3	119.4	3.3	UD	16.1		
1,1,1-Trichloroethane	71-55-6	133.4	0.38	UD	2.07		
2,2,4-Trimethylpentane	540-84-1	114.2	4	UD	18.7		
Benzene	71-43-2	78.11	3.5	UD	11.2		
1,2-Dichloroethane	107-06-2	98.96	3.6	UD	14.6		
Trichloroethene	79-01-6	131.4	0.68	UD	3.65		
1,2-Dichloropropane	78-87-5	113	4.4	UD	20.3		
Bromodichloromethane	75-27-4	163.8	3.1	UD	20.8		
4-Methyl-2-Pentanone	108-10-1	100.2	3.7	UD	15.2		
Toluene	108-88-3	92.14	4.4	UD	16.6		
t-1,3-Dichloropropene	10061-02-6	111	2.4	UD	10.9		
cis-1,3-Dichloropropene	10061-01-5	111	2.6	UD	11.8		
1,1,2-Trichloroethane	79-00-5	133.4	2.8	UD	15.3		

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Project : US EPA Riverside Industrial Park Superfund Site **Sampling Date :** 03/31/25

Field Id Number : SSSG-B10-2-03312025DL **Analysis Date :** 04/08/25

Laboratory Id Number : Q1725-08DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	2.6	UD	22.2		
1,2-Dibromoethane	106-93-4	187.9	2.9	UD	22.3		
Tetrachloroethene	127-18-4	165.8	3	D	20.3		
Chlorobenzene	108-90-7	112.6	3	UD	13.8		
Ethyl Benzene	100-41-4	106.2	4.8	UD	20.8		
m/p-Xylene	179601-23-1	106.2	8.4	UD	36.5		
o-Xylene	95-47-6	106.2	4.8	UD	20.8		
Styrene	100-42-5	104.1	4.4	UD	18.7		
Bromoform	75-25-2	252.8	2.3	UD	23.8		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.44	UD	3.02		
2-Chlorotoluene	95-49-8	126.6	4.4	UD	22.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	4.4	UD	21.6		
1,2,4-Trimethylbenzene	95-63-6	120.2	3.1	UD	15.2		
1,3-Dichlorobenzene	541-73-1	147	3.2	UD	19.2		
1,4-Dichlorobenzene	106-46-7	147	2.1	UD	12.6		
1,2-Dichlorobenzene	95-50-1	147	3	UD	18.0		
1,2,4-Trichlorobenzene	120-82-1	181.5	3.4	UD	25.2		
Hexachloro-1,3-Butadiene	87-68-3	260.8	3.4	UD	36.3		
1,3-Butadiene	106-99-0	54.09	5.2	UD	11.5		
Naphthalene	91-20-3	128.17	3	UD	15.7		
4-Ethyltoluene	622-96-8	120.2	4.8	UD	23.6		
Hexane	110-54-3	86.17	4.4	UD	15.5		
Allyl Chloride	107-05-1	76.53	6	UD	18.8		
1,4-Dioxane	123-91-1	88.12	8.4	UD	30.3		
Methyl Methacrylate	80-62-6	100.117	3.4	UD	13.9		

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

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

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

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

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

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

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

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1725

Client: Woodard & Curran

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1725-01	SSSG-B1-2-04012025	1-Bromo-4-Fluorobenzene	10	9.92	99	70 (65)	130 (135)
Q1725-02	SSSG-B10-4-04012025	1-Bromo-4-Fluorobenzene	10	9.80	98	70 (65)	130 (135)
Q1725-02DL	SSSG-B10-4-04012025DL	1-Bromo-4-Fluorobenzene	10	9.50	95	70 (65)	130 (135)
Q1725-02DL2	SSSG-B10-4-04012025DL2	1-Bromo-4-Fluorobenzene	10	9.32	93	70 (65)	130 (135)
Q1725-03	SSSG-DUP-2-04012025	1-Bromo-4-Fluorobenzene	10	9.96	100	70 (65)	130 (135)
Q1725-03DL	SSSG-DUP-2-04012025DL	1-Bromo-4-Fluorobenzene	10	9.89	99	70 (65)	130 (135)
Q1725-04	AA-1-03312025	1-Bromo-4-Fluorobenzene	10	9.67	97	70 (65)	130 (135)
Q1725-04DUP	AA-1-03312025DUP	1-Bromo-4-Fluorobenzene	10	9.70	97	70 (65)	130 (135)
Q1725-05	SSSG-B14-3-04012025	1-Bromo-4-Fluorobenzene	10	9.85	99	70 (65)	130 (135)
Q1725-05DL	SSSG-B14-3-04012025DL	1-Bromo-4-Fluorobenzene	10	9.68	97	70 (65)	130 (135)
Q1725-06	SSSG-B10-3-03312025	1-Bromo-4-Fluorobenzene	10	10.1	101	70 (65)	130 (135)
Q1725-06DL	SSSG-B10-3-03312025DL	1-Bromo-4-Fluorobenzene	10	9.41	94	70 (65)	130 (135)
Q1725-07	SSSG-B10-1-03312025-SPLIT	1-Bromo-4-Fluorobenzene	10	9.98	100	70 (65)	130 (135)
Q1725-07DL	SSSG-B10-1-03312025-SPLITDL	1-Bromo-4-Fluorobenzene	10	9.57	96	70 (65)	130 (135)
Q1725-08	SSSG-B10-2-03312025	1-Bromo-4-Fluorobenzene	10	9.79	98	70 (65)	130 (135)
Q1725-08DL	SSSG-B10-2-03312025DL	1-Bromo-4-Fluorobenzene	10	9.31	93	70 (65)	130 (135)
VL0407ABL01	VL0407ABL01	1-Bromo-4-Fluorobenzene	10	9.44	94	70 (65)	130 (135)
VL0407ABS01	VL0407ABS01	1-Bromo-4-Fluorobenzene	10	10.2	102	70 (65)	130 (135)
VL0408ABL01	VL0408ABL01	1-Bromo-4-Fluorobenzene	10	9.48	95	70 (65)	130 (135)
VL0408ABS01	VL0408ABS01	1-Bromo-4-Fluorobenzene	10	10.0	100	70 (65)	130 (135)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1725

Client: Woodard & Curran

Analytical Method: SWTO-15 **Datafile :** VL042230.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0407ABS01	Dichlorodifluoromethane	10	9.40	ppbv	94			40 (70)	160 (130)	
	Chloromethane	10	8.90	ppbv	89			40 (70)	160 (130)	
	Vinyl Chloride	10	8.00	ppbv	80			70 (70)	130 (130)	
	Bromomethane	10	8.20	ppbv	82			40 (70)	160 (130)	
	Chloroethane	10	8.90	ppbv	89			40 (70)	160 (130)	
	Tetrahydrofuran	10	9.10	ppbv	91			70 (70)	130 (130)	
	Trichlorofluoromethane	10	9.20	ppbv	92			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	9.00	ppbv	90			70 (70)	130 (130)	
	Dichlorotetrafluoethane	10	9.30	ppbv	93			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	7.90	ppbv	79			70 (70)	130 (130)	
	Heptane	10	8.60	ppbv	86			70 (70)	130 (130)	
	1,1-Dichloroethene	10	8.10	ppbv	81			70 (70)	130 (130)	
	Acetone	10	8.30	ppbv	83			40 (70)	160 (130)	
	Carbon disulfide	10	8.70	ppbv	87			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	8.30	ppbv	83			70 (70)	130 (130)	
	Methylene Chloride	10	7.40	ppbv	74			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	8.30	ppbv	83			70 (70)	130 (130)	
	1,1-Dichloroethane	10	9.20	ppbv	92			70 (70)	130 (130)	
	Cyclohexane	10	8.50	ppbv	85			70 (70)	130 (130)	
	2-Butanone	10	9.40	ppbv	94			40 (70)	160 (130)	
	Carbon Tetrachloride	10	10.1	ppbv	101			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	8.90	ppbv	89			70 (70)	130 (130)	
	Chloroform	10	9.80	ppbv	98			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	8.70	ppbv	87			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	9.40	ppbv	94			70 (70)	130 (130)	
	Benzene	10	9.40	ppbv	94			70 (70)	130 (130)	
	1,2-Dichloroethane	10	10.4	ppbv	104			70 (70)	130 (130)	
	Trichloroethene	10	9.20	ppbv	92			70 (70)	130 (130)	
	1,2-Dichloropropane	10	9.40	ppbv	94			70 (70)	130 (130)	
	Bromodichloromethane	10	10.4	ppbv	104			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	8.40	ppbv	84			40 (70)	160 (130)	
	Toluene	10	9.00	ppbv	90			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	8.10	ppbv	81			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	8.60	ppbv	86			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	10.0	ppbv	100			70 (70)	130 (130)	
	Dibromochloromethane	10	10.0	ppbv	100			70 (70)	130 (130)	
	1,2-Dibromoethane	10	9.60	ppbv	96			70 (70)	130 (130)	
	Tetrachloroethene	10	8.40	ppbv	84			70 (70)	130 (130)	
	Chlorobenzene	10	10.2	ppbv	102			70 (70)	130 (130)	
	Ethyl Benzene	10	9.80	ppbv	98			70 (70)	130 (130)	
	m/p-Xylene	20	20.4	ppbv	102			70 (70)	130 (130)	
	o-Xylene	10	10.2	ppbv	102			70 (70)	130 (130)	
	Styrene	10	9.60	ppbv	96			70 (70)	130 (130)	
	Bromoform	10	9.80	ppbv	98			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	10.8	ppbv	108			70 (70)	130 (130)	
	2-Chlorotoluene	10	10.3	ppbv	103			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	10.2	ppbv	102			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	9.90	ppbv	99			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1725

Client: Woodard & Curran

Analytical Method: SWTO-15 **Datafile :** VL042230.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0407ABS01	1,3-Dichlorobenzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	10.7	ppbv	107			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	9.00	ppbv	90			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	8.20	ppbv	82			70 (70)	130 (130)	
	Naphthalene	10	9.30	ppbv	93			40 (70)	160 (130)	
	1,3-Butadiene	10	8.10	ppbv	81			70 (70)	130 (130)	
	4-Ethyltoluene	10	10.3	ppbv	103			70 (70)	130 (130)	
	Hexane	10	8.90	ppbv	89			70 (70)	130 (130)	
	Allyl Chloride	10	8.60	ppbv	86			70 (70)	130 (130)	
	1,4-Dioxane	10	8.40	ppbv	84			40 (70)	160 (130)	
	Methyl methacrylate	10	8.50	ppbv	85			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1725

Client: Woodard & Curran

Analytical Method: SWTO-15 **Datafile :** VL042255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0408ABS01	Dichlorodifluoromethane	10	9.70	ppbv	97			40 (70)	160 (130)	
	Chloromethane	10	9.80	ppbv	98			40 (70)	160 (130)	
	Vinyl Chloride	10	8.50	ppbv	85			70 (70)	130 (130)	
	Bromomethane	10	8.70	ppbv	87			40 (70)	160 (130)	
	Chloroethane	10	9.20	ppbv	92			40 (70)	160 (130)	
	Tetrahydrofuran	10	10.2	ppbv	102			70 (70)	130 (130)	
	Trichlorofluoromethane	10	9.60	ppbv	96			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	9.40	ppbv	94			70 (70)	130 (130)	
	Dichlorotetrafluoethane	10	9.70	ppbv	97			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	8.40	ppbv	84			70 (70)	130 (130)	
	Heptane	10	9.50	ppbv	95			70 (70)	130 (130)	
	1,1-Dichloroethene	10	8.90	ppbv	89			70 (70)	130 (130)	
	Acetone	10	8.90	ppbv	89			40 (70)	160 (130)	
	Carbon disulfide	10	9.00	ppbv	90			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	8.50	ppbv	85			70 (70)	130 (130)	
	Methylene Chloride	10	8.40	ppbv	84			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	8.80	ppbv	88			70 (70)	130 (130)	
	1,1-Dichloroethane	10	9.80	ppbv	98			70 (70)	130 (130)	
	Cyclohexane	10	9.10	ppbv	91			70 (70)	130 (130)	
	2-Butanone	10	10.6	ppbv	106			40 (70)	160 (130)	
	Carbon Tetrachloride	10	10.8	ppbv	108			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	9.30	ppbv	93			70 (70)	130 (130)	
	Chloroform	10	10.5	ppbv	105			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	9.00	ppbv	90			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	10.7	ppbv	107			70 (70)	130 (130)	
	Benzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2-Dichloroethane	10	11.2	ppbv	112			70 (70)	130 (130)	
	Trichloroethene	10	10.1	ppbv	101			70 (70)	130 (130)	
	1,2-Dichloropropane	10	10.4	ppbv	104			70 (70)	130 (130)	
	Bromodichloromethane	10	11.2	ppbv	112			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	9.60	ppbv	96			40 (70)	160 (130)	
	Toluene	10	9.90	ppbv	99			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	8.30	ppbv	83			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	9.10	ppbv	91			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	11.2	ppbv	112			70 (70)	130 (130)	
	Dibromochloromethane	10	10.9	ppbv	109			70 (70)	130 (130)	
	1,2-Dibromoethane	10	10.7	ppbv	107			70 (70)	130 (130)	
	Tetrachloroethene	10	9.00	ppbv	90			70 (70)	130 (130)	
	Chlorobenzene	10	11.4	ppbv	114			70 (70)	130 (130)	
	Ethyl Benzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	m/p-Xylene	20	22.5	ppbv	113			70 (70)	130 (130)	
	o-Xylene	10	11.2	ppbv	112			70 (70)	130 (130)	
	Styrene	10	10.1	ppbv	101			70 (70)	130 (130)	
	Bromoform	10	10.7	ppbv	107			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	12.1	ppbv	121			70 (70)	130 (130)	
	2-Chlorotoluene	10	11.1	ppbv	111			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	11.2	ppbv	112			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	10.8	ppbv	108			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1725

Client: Woodard & Curran

Analytical Method: SWTO-15 **Datafile :** VL042255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL0408ABS01	1,3-Dichlorobenzene	10	11.7	ppbv	117			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	11.6	ppbv	116			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	11.9	ppbv	119			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	9.70	ppbv	97			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	8.80	ppbv	88			70 (70)	130 (130)	
	Naphthalene	10	10.1	ppbv	101			40 (70)	160 (130)	
	1,3-Butadiene	10	8.90	ppbv	89			70 (70)	130 (130)	
	4-Ethyltoluene	10	11.5	ppbv	115			70 (70)	130 (130)	
	Hexane	10	9.50	ppbv	95			70 (70)	130 (130)	
	Allyl Chloride	10	9.10	ppbv	91			70 (70)	130 (130)	
	1,4-Dioxane	10	9.60	ppbv	96			40 (70)	160 (130)	
	Methyl methacrylate	10	9.30	ppbv	93			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Duplicate Sample Summary

Lab Sample Id :	Q1725-04DUP		Q1725-04	
Client Id :	AA-1-03312025DUP		AA-1-03312025	
DF :	1		1	
Datafile :	VL042232.D		VL042231.D	
Anal Date & Time :	04/07/2025	13:00	04/07/2025	12:27

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1,2,2-Tetrachloroethane	0	0	0
1,1,2-Trichloroethane	0	0	0
1,1,2-Trichlorotrifluoroethane	0	0	0
1,1-Dichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
1,2,4-Trichlorobenzene	0	0	0
1,2,4-Trimethylbenzene	0	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	0.49	0.53	7.8
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0.12	0.13	8
Acetone	5.2	5.1	1.9
Allyl Chloride	0	0	0
Benzene	0.13	0.14	7.4
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.06	0.07	15.4

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Duplicate Sample Summary

Lab Sample Id :	Q1725-04DUP		Q1725-04	
Client Id :	AA-1-03312025DUP		AA-1-03312025	
DF :	1		1	
Datafile :	VL042232.D		VL042231.D	
Anal Date & Time :	04/07/2025	13:00	04/07/2025	12:27

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.56	0.58	3.5
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.4	0.4	0
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0.12	0.11	8.7
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.33	0.33	0
m/p-Xylene	0.22	0.22	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	0.48	0.4	18.2
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0	0	0
Tetrahydrofuran	0	0	0
Toluene	0.59	0.61	3.3
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.21	0.21	0
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0407ABL01

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042229.D Lab Sample ID: VL0407ABL01

Date Analyzed: 04/07/2025 Time Analyzed: 10:23

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
VL0407ABS01	VL0407ABS01	VL042230.D	04/07/2025
AA-1-03312025	Q1725-04	VL042231.D	04/07/2025
AA-1-03312025DUP	Q1725-04DUP	VL042232.D	04/07/2025
SSSG-B1-2-04012025	Q1725-01	VL042234.D	04/07/2025
SSSG-B10-4-04012025	Q1725-02	VL042235.D	04/07/2025
SSSG-B10-4-04012025DL	Q1725-02DL	VL042236.D	04/07/2025
SSSG-B14-3-04012025DL	Q1725-05DL	VL042239.D	04/07/2025
SSSG-B10-1-03312025-SPLITDL	Q1725-07DL	VL042241.D	04/07/2025
SSSG-B10-4-04012025DL2	Q1725-02DL2	VL042243.D	04/07/2025
SSSG-DUP-2-04012025DL	Q1725-03DL	VL042244.D	04/07/2025
SSSG-B14-3-04012025	Q1725-05	VL042245.D	04/07/2025
SSSG-B10-3-03312025	Q1725-06	VL042247.D	04/07/2025
SSSG-B10-3-03312025DL	Q1725-06DL	VL042248.D	04/08/2025
SSSG-B10-1-03312025-SPLIT	Q1725-07	VL042249.D	04/08/2025
SSSG-B10-2-03312025	Q1725-08	VL042250.D	04/08/2025
SSSG-B10-2-03312025DL	Q1725-08DL	VL042251.D	04/08/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0408ABL01

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042254.D Lab Sample ID: VL0408ABL01

Date Analyzed: 04/08/2025 Time Analyzed: 09:22

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
VL0408ABS01	VL0408ABS01	VL042255.D	04/08/2025
SSSG-DUP-2-04012025	Q1725-03	VL042256.D	04/08/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042171.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:44

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
75	30.0 - 66.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	63.8
175	4.0 - 9.0% of mass 174	5.1 (8) 1
176	93.0 - 101.0% of mass 174	61.1 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.8) 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	VL042172.D	03/27/2025	08:26
VSTDICC002	VSTDICC002	VL042173.D	03/27/2025	08:59
VSTDICC001	VSTDICC001	VL042174.D	03/27/2025	09:30
VSTDICC0.5	VSTDICC0.5	VL042175.D	03/27/2025	10:01
VSTDICC0.1	VSTDICC0.1	VL042176.D	03/27/2025	10:32
VSTDICC0.03	VSTDICC0.03	VL042177.D	03/27/2025	11:03
VSTDICC015	VSTDICC015	VL042178.D	03/27/2025	11:36

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042227.D BFB Injection Date: 04/07/2025

Instrument ID: MSVOA_L BFB Injection Time: 08:46

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.4
75	30.0 - 66.0% of mass 95	57.9
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	0.6 (1.1) 1
174	50.0 - 120.0% of mass 95	58.1
175	4.0 - 9.0% of mass 174	4.3 (7.4) 1
176	93.0 - 101.0% of mass 174	56.1 (96.5) 1
177	5.0 - 9.0% of mass 176	3.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042228.D	04/07/2025	09:31
VL0407ABL01	VL0407ABL01	VL042229.D	04/07/2025	10:23
VL0407ABS01	VL0407ABS01	VL042230.D	04/07/2025	11:09
AA-1-03312025	Q1725-04	VL042231.D	04/07/2025	12:27
AA-1-03312025DUP	Q1725-04DUP	VL042232.D	04/07/2025	13:00
SSSG-B1-2-04012025	Q1725-01	VL042234.D	04/07/2025	14:18
SSSG-B10-4-04012025	Q1725-02	VL042235.D	04/07/2025	14:51
SSSG-B10-4-04012025DL	Q1725-02DL	VL042236.D	04/07/2025	17:44
SSSG-B14-3-04012025DL	Q1725-05DL	VL042239.D	04/07/2025	19:17
SSSG-B10-1-03312025-SPLITDL	Q1725-07DL	VL042241.D	04/07/2025	20:19
SSSG-B10-4-04012025DL2	Q1725-02DL2	VL042243.D	04/07/2025	21:38
SSSG-DUP-2-04012025DL	Q1725-03DL	VL042244.D	04/07/2025	22:09
SSSG-B14-3-04012025	Q1725-05	VL042245.D	04/07/2025	22:40
SSSG-B10-3-03312025	Q1725-06	VL042247.D	04/07/2025	23:41
SSSG-B10-3-03312025DL	Q1725-06DL	VL042248.D	04/08/2025	00:12
SSSG-B10-1-03312025-SPLIT	Q1725-07	VL042249.D	04/08/2025	00:46
SSSG-B10-2-03312025	Q1725-08	VL042250.D	04/08/2025	01:17
SSSG-B10-2-03312025DL	Q1725-08DL	VL042251.D	04/08/2025	01:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042252.D BFB Injection Date: 04/08/2025

Instrument ID: MSVOA_L BFB Injection Time: 07:57

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	23.2
75	30.0 - 66.0% of mass 95	56.8
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	0.4 (0.7) 1
174	50.0 - 120.0% of mass 95	58.9
175	4.0 - 9.0% of mass 174	4.3 (7.4) 1
176	93.0 - 101.0% of mass 174	56.7 (96.2) 1
177	5.0 - 9.0% of mass 176	3.7 (6.5) 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	VL042253.D	04/08/2025	08:39
VL0408ABL01	VL0408ABL01	VL042254.D	04/08/2025	09:22
VL0408ABS01	VL0408ABS01	VL042255.D	04/08/2025	10:05
SSSG-DUP-2-04012025	Q1725-03	VL042256.D	04/08/2025	10:55

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042228.D Date Analyzed: 04/07/2025

Instrument ID: MSVOA_L Time Analyzed: 09:31

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	190462	2.80	513778	3.98	464477	8.90
UPPER LIMIT	266647	3.13	719289	4.31	650268	9.23
LOWER LIMIT	114277	2.47	308267	3.65	278686	8.57
EPA SAMPLE NO.						
SSSG-B1-2-04012025	198158	2.80	527291	3.98	473671	8.90
SSSG-B10-4-04012025	200550	2.80	538469	3.98	487966	8.90
SSSG-B10-4-04012025DL	203982	2.80	532301	3.98	458285	8.90
SSSG-B10-4-04012025DL2	196689	2.81	503068	3.99	430861	8.91
SSSG-DUP-2-04012025DL	190938	2.80	485801	3.99	425989	8.90
AA-1-03312025	202620	2.80	551417	3.98	479781	8.90
AA-1-03312025DUP	201241	2.80	543996	3.98	475092	8.90
SSSG-B14-3-04012025	191155	2.80	493918	3.99	441320	8.91
SSSG-B14-3-04012025DL	192644	2.80	502203	3.99	443302	8.91
SSSG-B10-3-03312025	194534	2.80	495845	3.99	437126	8.90
SSSG-B10-3-03312025DL	194329	2.80	493793	3.98	430982	8.90
SSSG-B10-1-03312025-SPLIT	197758	2.81	506596	3.99	465539	8.91
SSSG-B10-1-03312025-SPLITDL	193361	2.80	501287	3.98	435889	8.90
SSSG-B10-2-03312025	202914	2.80	515559	3.98	442488	8.90
SSSG-B10-2-03312025DL	194708	2.80	494678	3.99	424907	8.91
VL0407ABL01	195732	2.80	527491	3.98	463741	8.90
VL0407ABS01	197822	2.80	531347	3.98	473981	8.90

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042228.D Date Analyzed: 04/07/2025

Instrument ID: MSVOA_L Time Analyzed: 09:31

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	190462	2.80	513778	3.98	464477	8.90
UPPER LIMIT	266647	3.13	719289	4.31	650268	9.23
LOWER LIMIT	114277	2.47	308267	3.65	278686	8.57
EPA SAMPLE NO.						

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: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG NO.: Q1725

Lab File ID: VL042253.D Date Analyzed: 04/08/2025

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	192748	2.80	496271	3.98	446954	8.90
UPPER LIMIT	269847	3.13	694779	4.31	625736	9.23
LOWER LIMIT	115649	2.47	297763	3.65	268172	8.57
EPA SAMPLE NO.						
SSSG-DUP-2-04012025	196935	2.80	510940	3.98	446395	8.90
VL0408ABL01	194254	2.80	507155	3.98	433594	8.90
VL0408ABS01	190420	2.80	494678	3.98	447066	8.90

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

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

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

SAMPLE DATA

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B1-2-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-01	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
VL042234.D	1		04/07/25 14:18	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.40	1.98	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.21	1.18	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.12	0.49	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	2.50	5.94		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.98	3.40		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.20	0.59	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	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	2.00	9.77		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.14	0.45	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.070	0.38		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	2.10	7.91		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B1-2-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-01	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
VL042234.D	1		04/07/25 14:18	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.050	0.34		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.20	0.92	J	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.28	1.22	J	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.20	5.21		0.91	4.34	ug/m3
95-47-6	o-Xylene	0.40	1.74	J	0.52	2.17	ug/m3
100-42-5	Styrene	0.22	0.94	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.23	1.13	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.31	1.09	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			70 (65) - 130 (135)	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	198000		2.803			
540-36-3	1,4-Difluorobenzene	527000		3.981			
3114-55-4	Chlorobenzene-d5	474000		8.904			
TENTITIVE IDENTIFIED COMPOUNDS							
75-45-6	Chlorodifluoromethane	0.27		J		1.48	ppbv
64-17-5	Ethanol	2.30		J		1.73	ppbv

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B1-2-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-01	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
VL042234.D	1		04/07/25 14:18	VL040725

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\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:32:03 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	198158	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	527291	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	473671	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	385746	9.917	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	11751	0.402	ppbv		91
3) Chlorodifluoromethane	1.480	51	7986m	0.267	ppbv		
10) Heptane	5.011	43	4434m	0.122	ppbv		
11) Trichlorofluoromethane	1.887	101	6010	0.211	ppbv		90
13) Ethanol	1.729	45	2993m	2.311	ppbv		
15) Acetone	1.845	43	70052	2.528	ppbv		96
20) Methylene Chloride	2.072	84	10076	0.976	ppbv		99
26) Hexane	2.845	57	8472m	0.305	ppbv		
29) Chloroform	2.865	83	81943	2.015	ppbv		98
34) 2-Butanone	2.580	43	7789	0.204	ppbv		93
35) Carbon Tetrachloride	3.791	117	2819m	0.068	ppbv		
36) Benzene	3.680	78	7218	0.138	ppbv	#	88
38) Trichloroethene	4.577	130	1453m	0.067	ppbv		
52) Tetrachloroethene	8.241	164	1024m	0.049	ppbv		
53) Toluene	6.966	91	132108	2.132	ppbv		98
57) Chlorobenzene	8.940	112	8901	0.198	ppbv	#	76
58) Ethyl Benzene	9.374	91	23493	0.279	ppbv		92
59) m/p-Xylene	9.552	91	79086	1.177	ppbv		99
60) o-Xylene	9.985	91	26822	0.398	ppbv		92
61) Styrene	9.888	104	7302	0.219	ppbv		97
74) 1,2,4-Trimethylbenzene	11.555	105	19699	0.233	ppbv	#	67

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

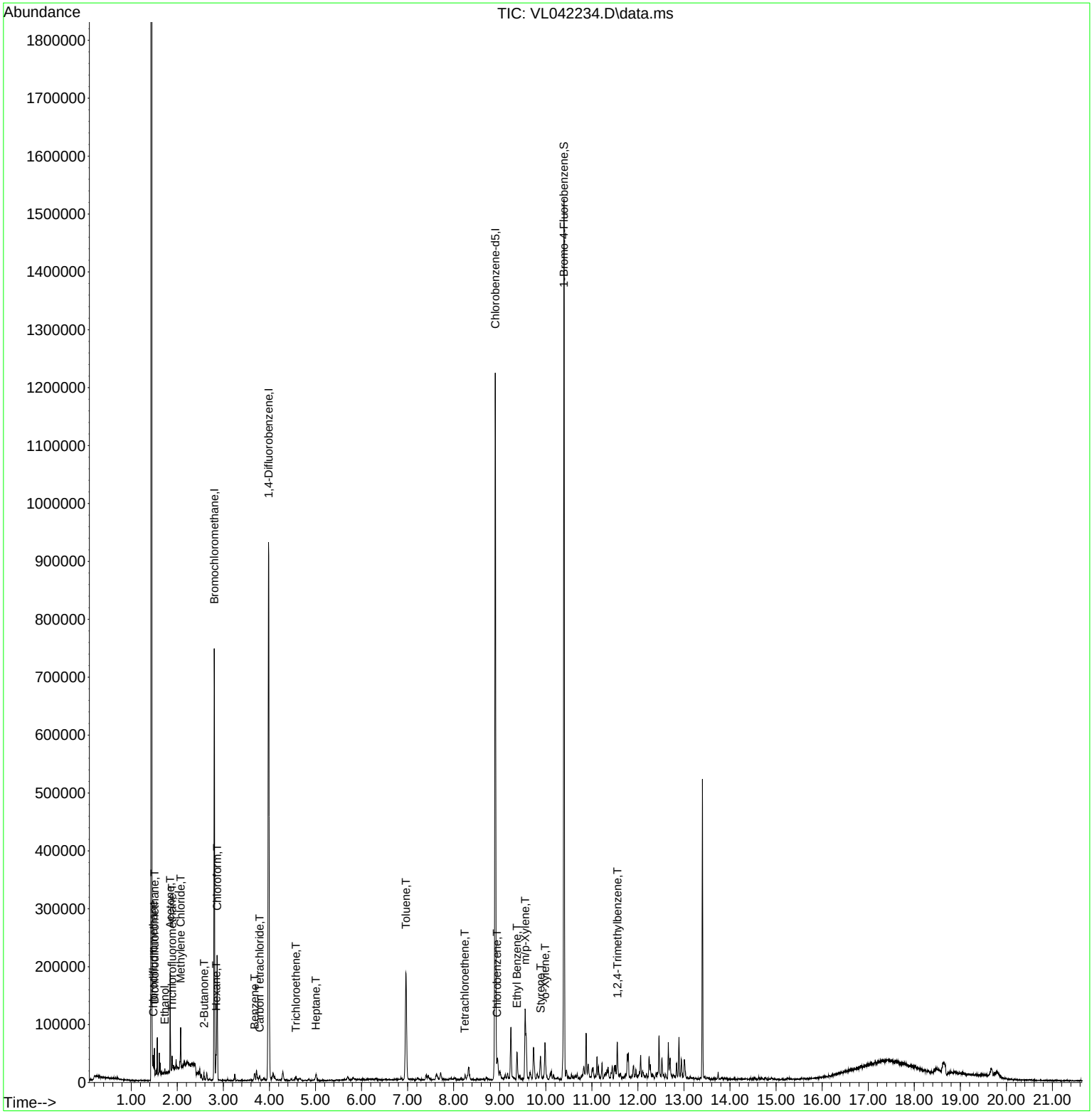
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

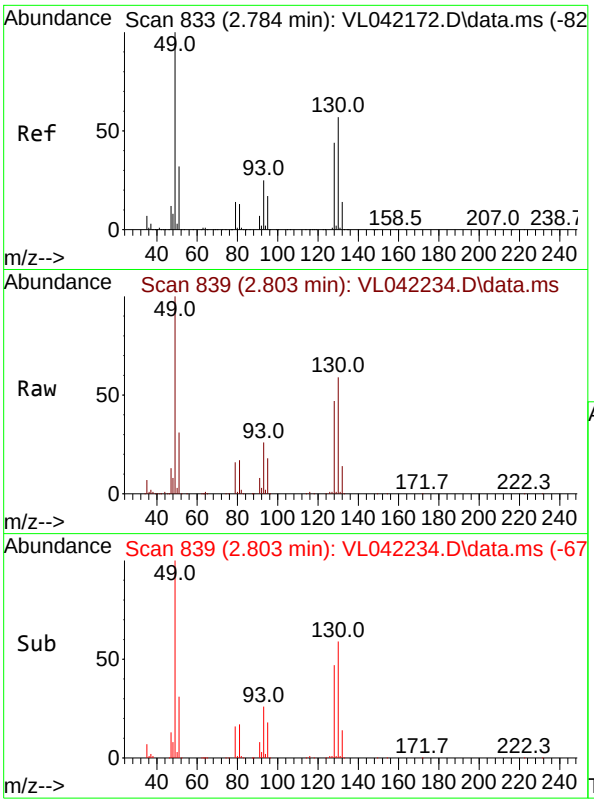
Quant Time: Apr 08 01:32:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

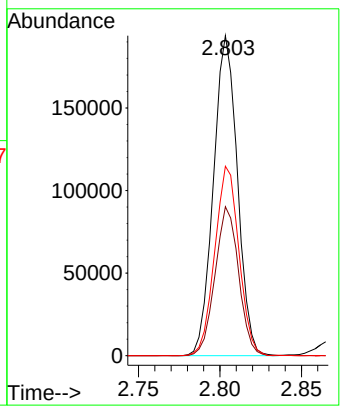




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 49 Resp: 19815

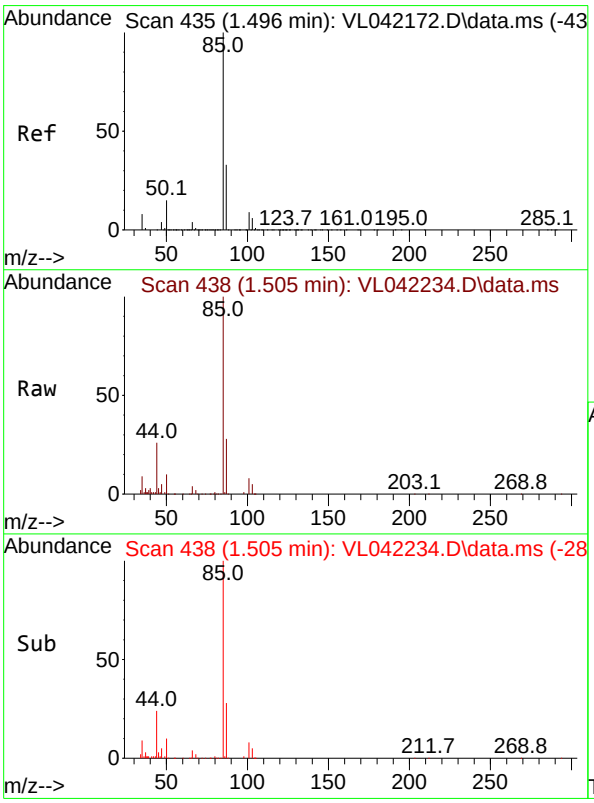
Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.5
130	59.8	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
APPROVED

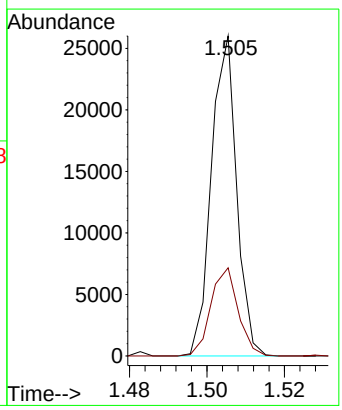
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

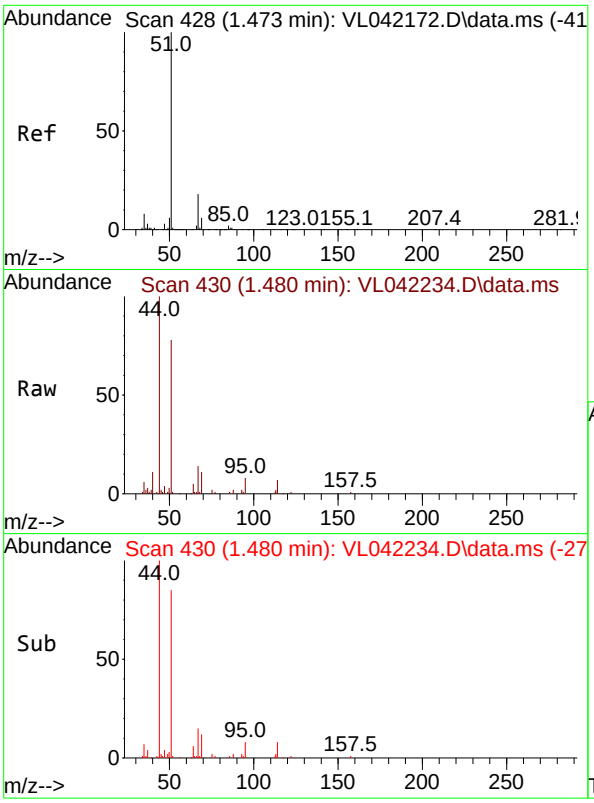


#2
Dichlorodifluoromethane
Concen: 0.402 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 85 Resp: 11751

Ion	Ratio	Lower	Upper
85	100		
87	27.6	26.1	39.1

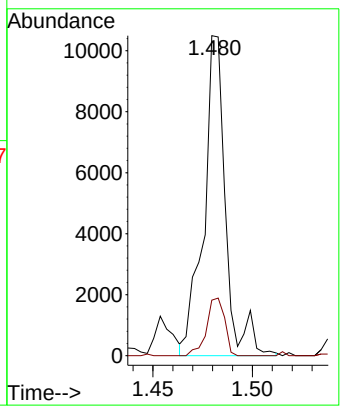




#3
Chlorodifluoromethane
Concen: 0.267 ppbv m
RT: 1.480 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 51 Resp: 798

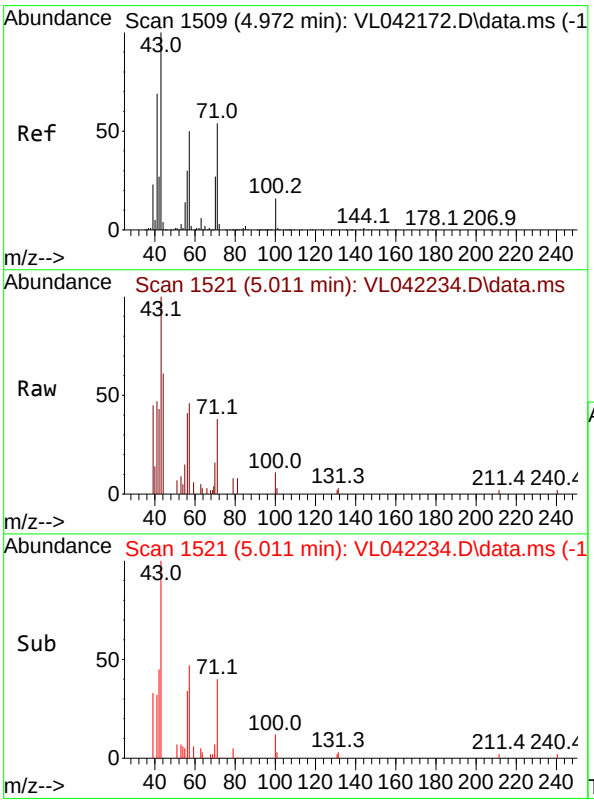
Ion	Ratio	Lower	Upper
51	100		
67	15.1	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
APPROVED

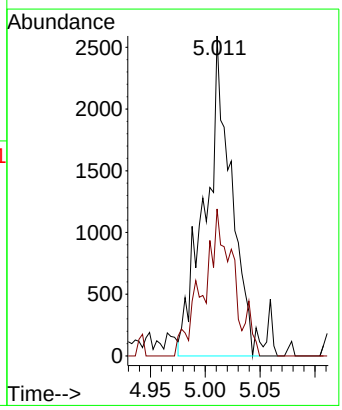
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

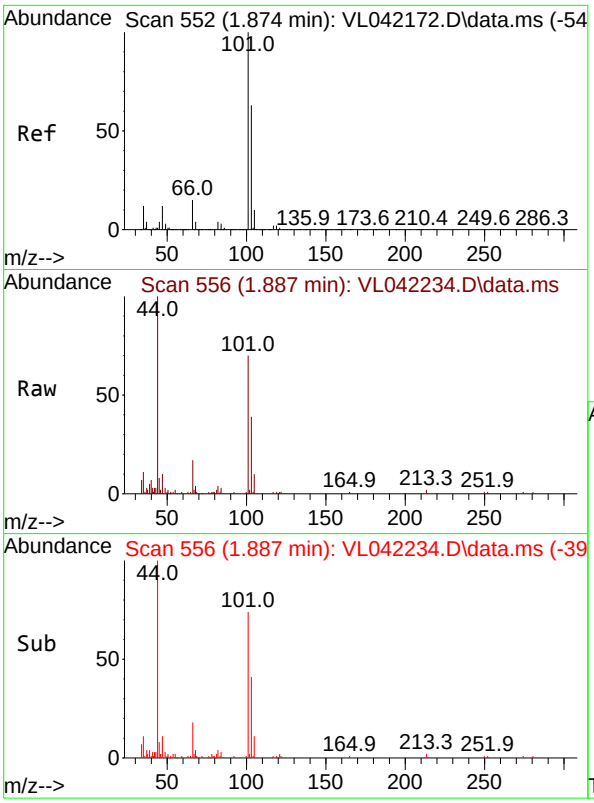


#10
Heptane
Concen: 0.122 ppbv m
RT: 5.011 min Scan# 1521
Delta R.T. 0.039 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 43 Resp: 4434

Ion	Ratio	Lower	Upper
43	100		
57	51.1	39.4	59.2





#11
Trichlorofluoromethane
Concen: 0.211 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

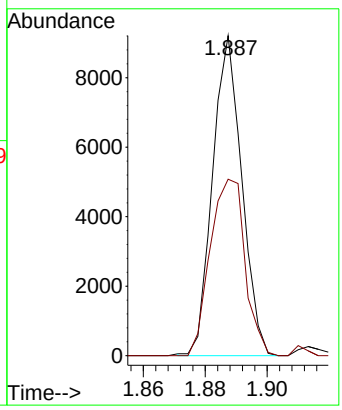
Tgt Ion:101 Resp: 601

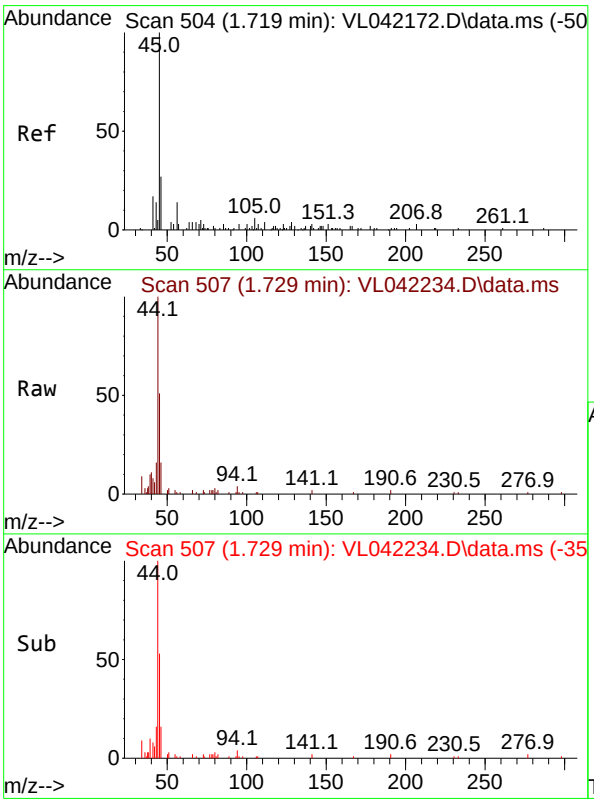
Ion	Ratio	Lower	Upper
101	100		
103	55.2	50.2	75.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

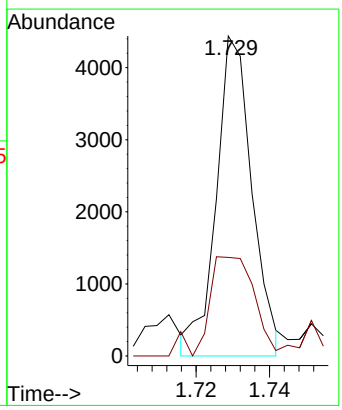


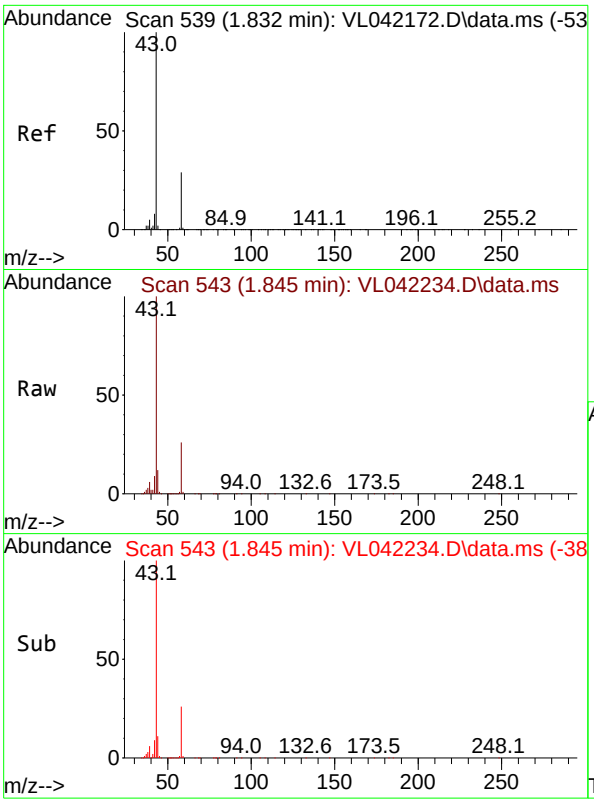


#13
Ethanol
Concen: 2.311 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 45 Resp: 2993

Ion	Ratio	Lower	Upper
45	100		
46	7824.8	20.2	80.8#





#15
Acetone
Concen: 2.528 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

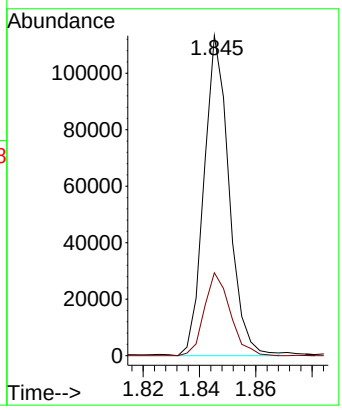
Tgt Ion: 43 Resp: 7005

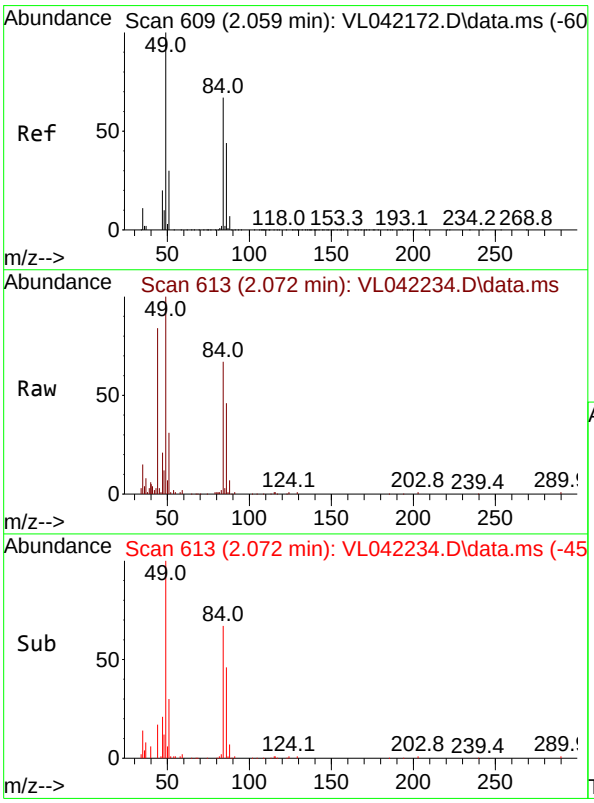
Ion	Ratio	Lower	Upper
43	100		
58	26.8	23.2	34.8

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

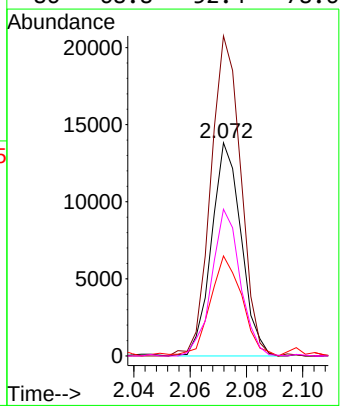


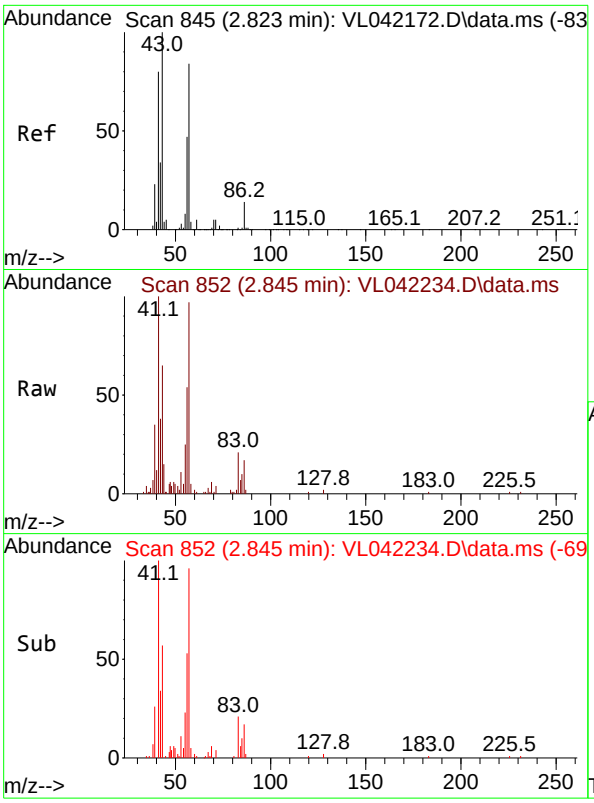


#20
Methylene Chloride
Concen: 0.976 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 84 Resp: 10076

Ion	Ratio	Lower	Upper
84	100		
49	150.1	120.2	180.4
51	46.9	37.4	56.0
86	68.8	52.4	78.6

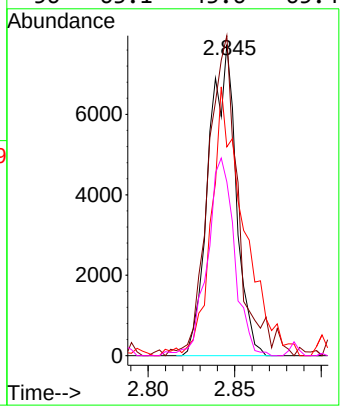




#26
Hexane
Concen: 0.305 ppbv m
RT: 2.845 min Scan# 8
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 57 Resp: 847

Ion	Ratio	Lower	Upper
57	100		
41	114.6	76.6	114.8
43	108.1	207.8	311.8
56	63.1	43.6	65.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
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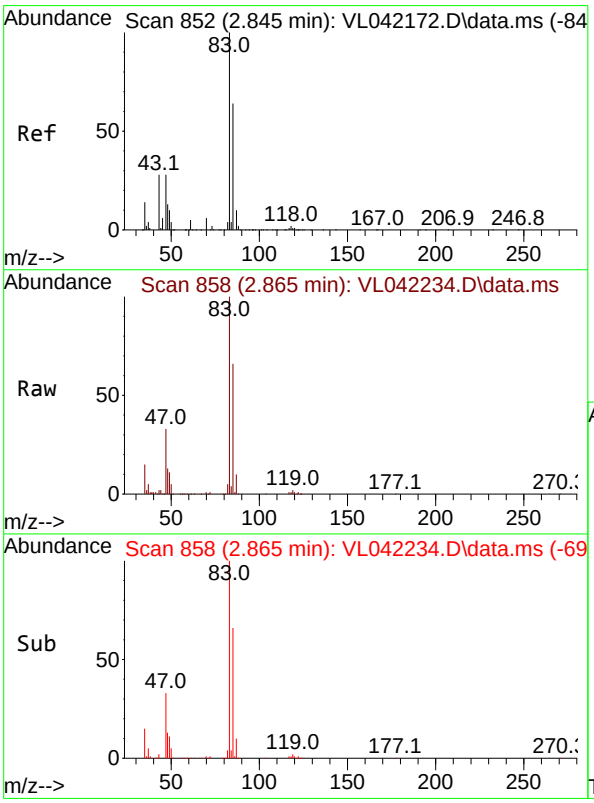
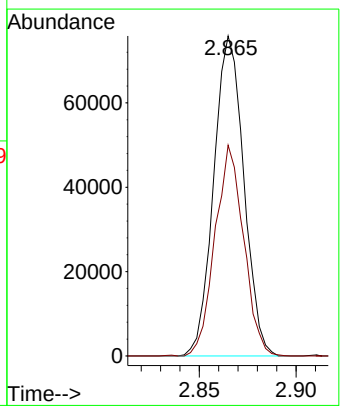
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

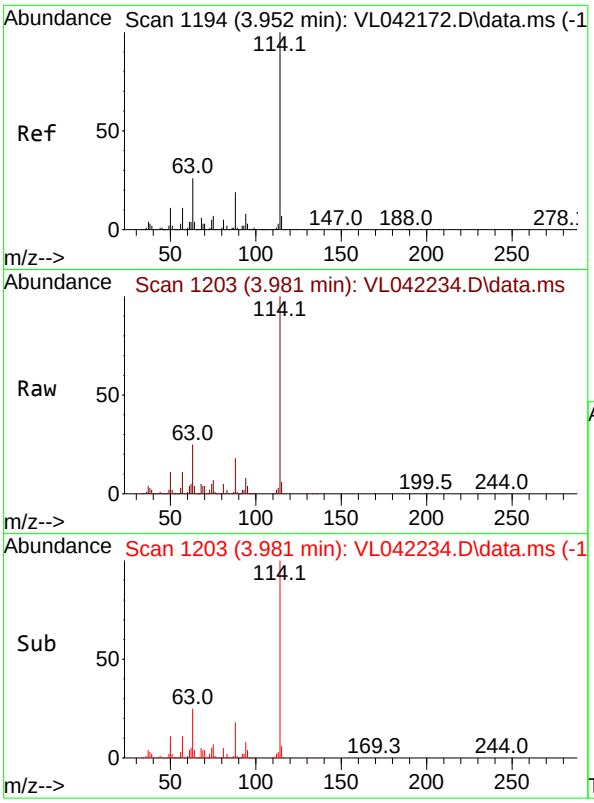


#29
Chloroform
Concen: 2.015 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 83 Resp: 81943

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:114 Resp: 52729

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	17.9	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
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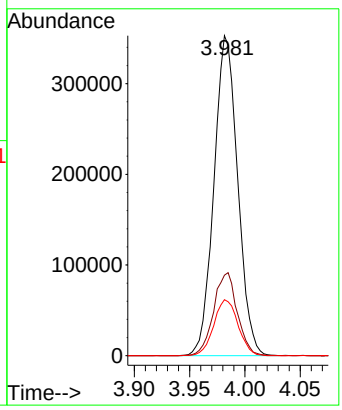
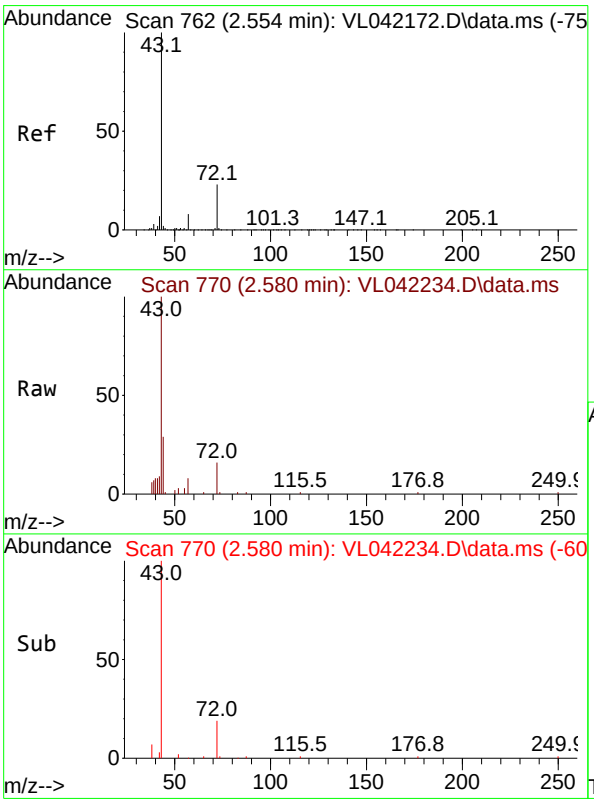
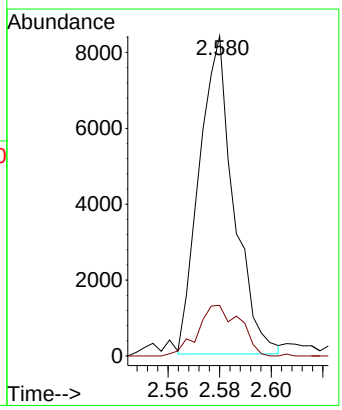


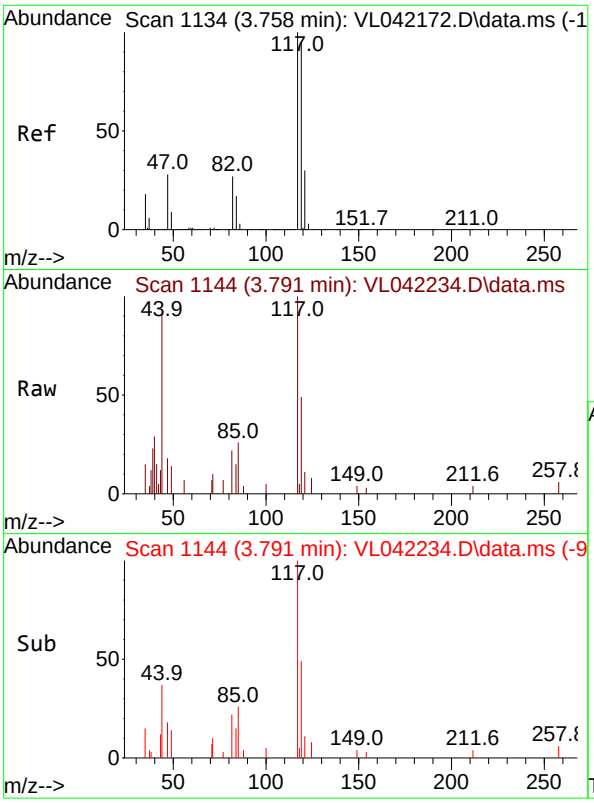


#34
2-Butanone
Concen: 0.204 ppbv
RT: 2.580 min Scan# 770
Delta R.T. 0.026 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 43 Resp: 7789

Ion	Ratio	Lower	Upper
43	100		
72	19.6	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.791 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:117 Resp: 281

Ion	Ratio	Lower	Upper
117	100		
119	48.9	76.2	114.2#
121	10.5	24.2	36.4#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

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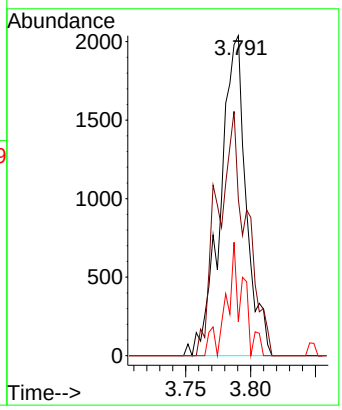
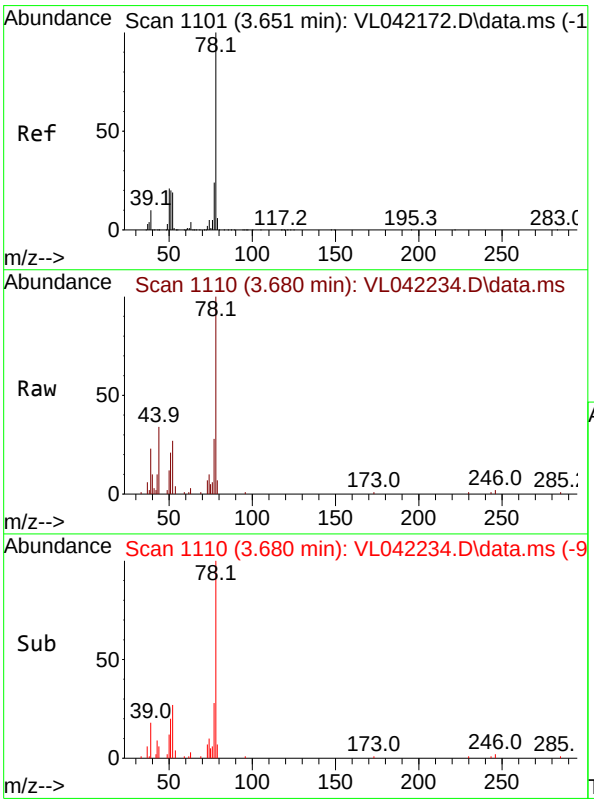
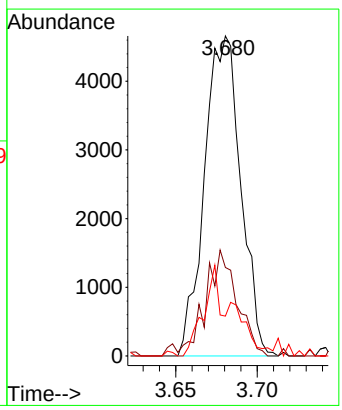


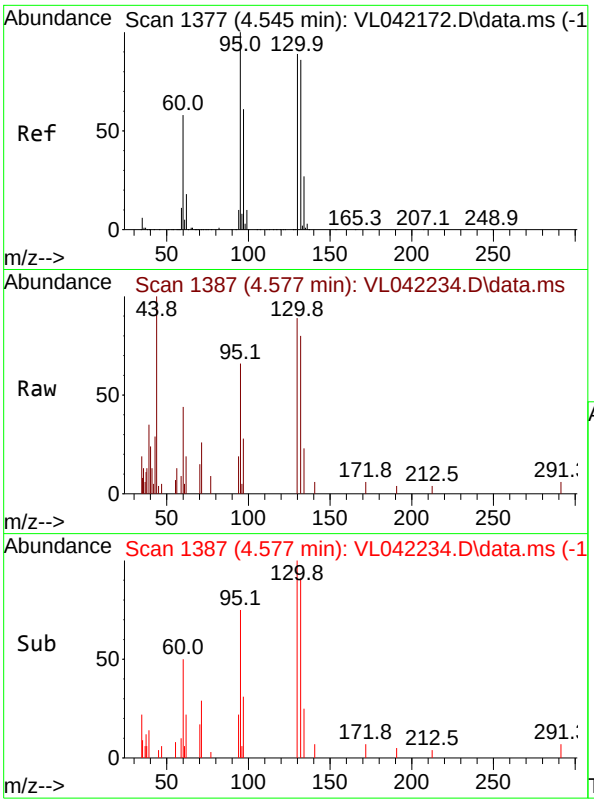


#36
Benzene
Concen: 0.138 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 78 Resp: 7218

Ion	Ratio	Lower	Upper
78	100		
77	27.6	19.1	28.7
50	12.5	16.6	24.8#

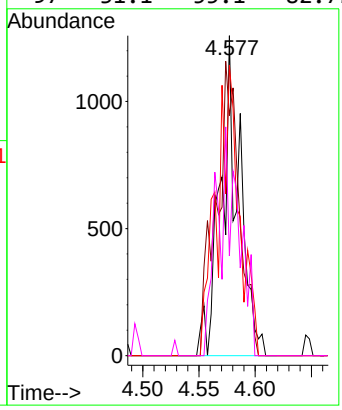




#38
Trichloroethene
Concen: 0.067 ppbv m
RT: 4.577 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:130 Resp: 145

Ion	Ratio	Lower	Upper
130	100		
95	75.1	89.8	134.8#
132	90.8	77.4	116.2
97	31.1	55.1	82.7#



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
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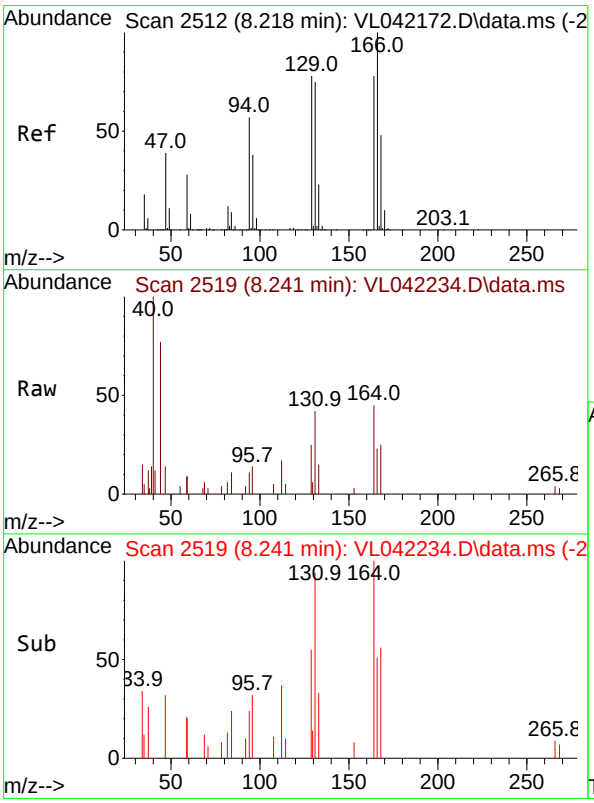
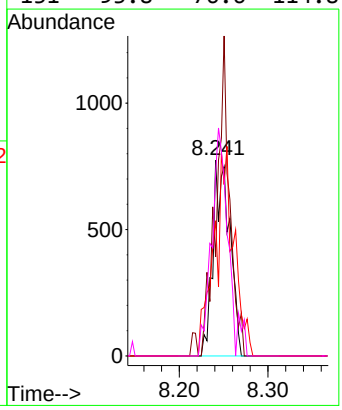
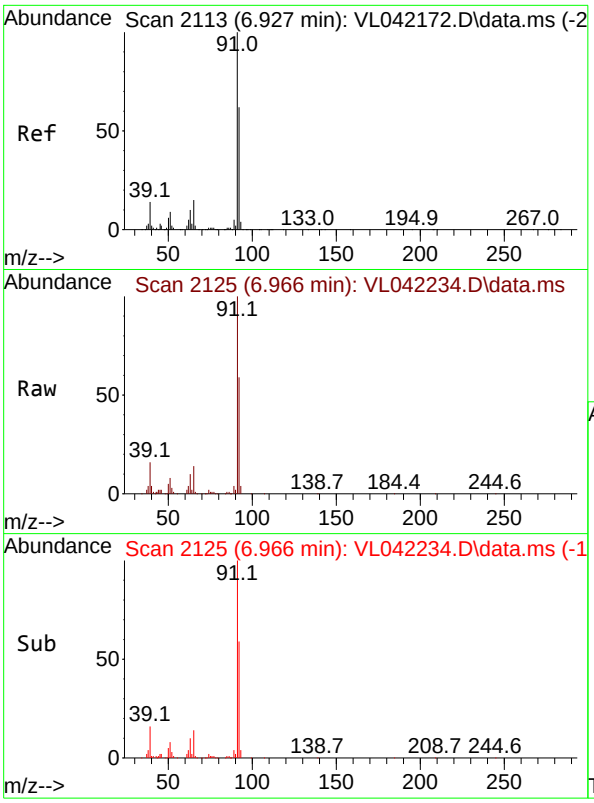


#52
Tetrachloroethene
Concen: 0.049 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:164 Resp: 1024

Ion	Ratio	Lower	Upper
164	100		
166	50.6	102.5	153.7#
129	55.0	79.8	119.8#
131	93.8	76.6	114.8

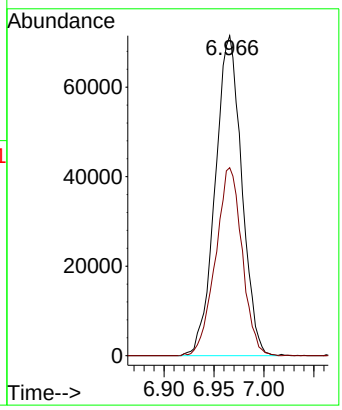




#53
Toluene
Concen: 2.132 ppbv
RT: 6.966 min Scan# 21
Delta R.T. 0.039 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 91 Resp: 13210

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
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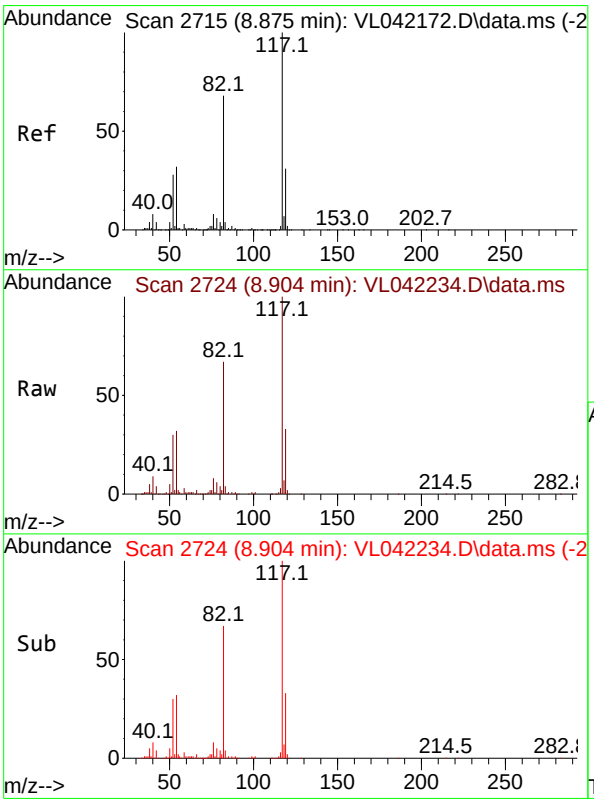
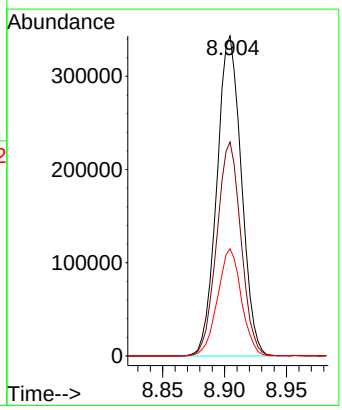
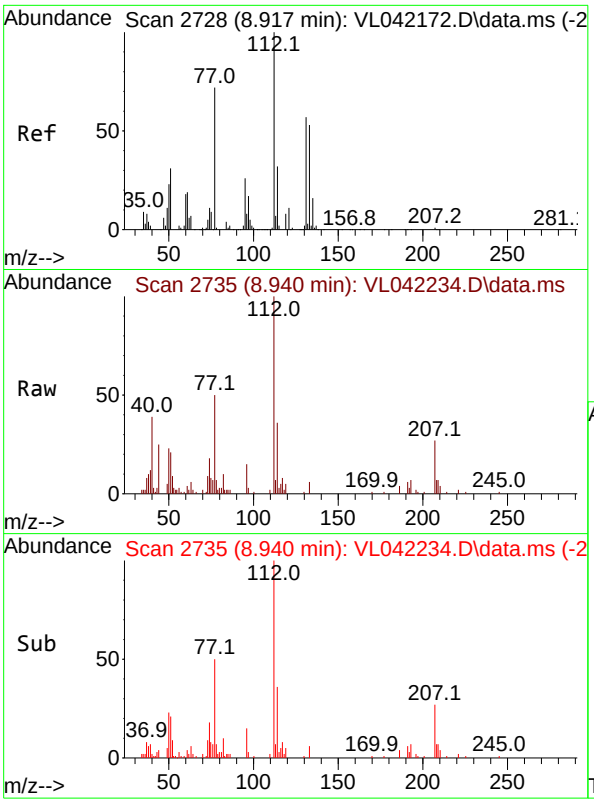


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:117 Resp: 473671

Ion	Ratio	Lower	Upper
117	100		
82	66.2	55.8	83.6
119	32.8	25.5	38.3





#57
Chlorobenzene
Concen: 0.198 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:112 Resp: 890

Ion	Ratio	Lower	Upper
112	100		
77	46.2	58.2	87.2#
114	35.9	29.1	35.5#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
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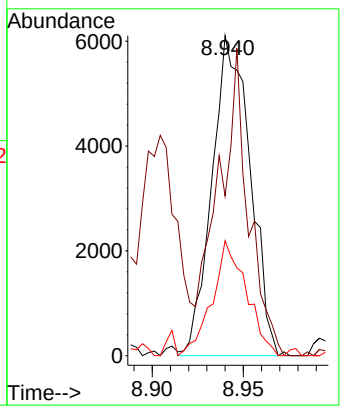
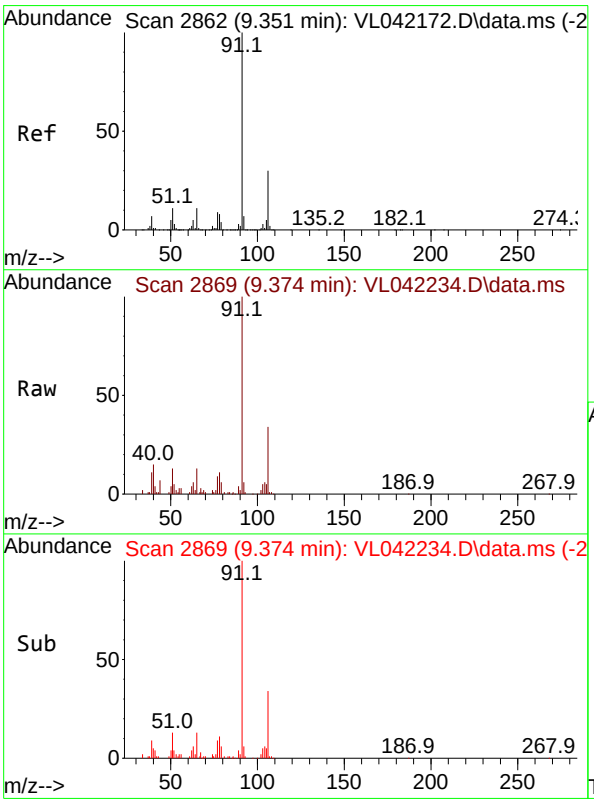
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

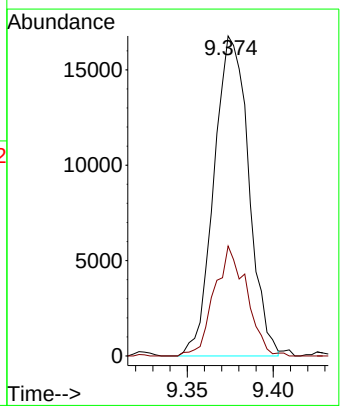


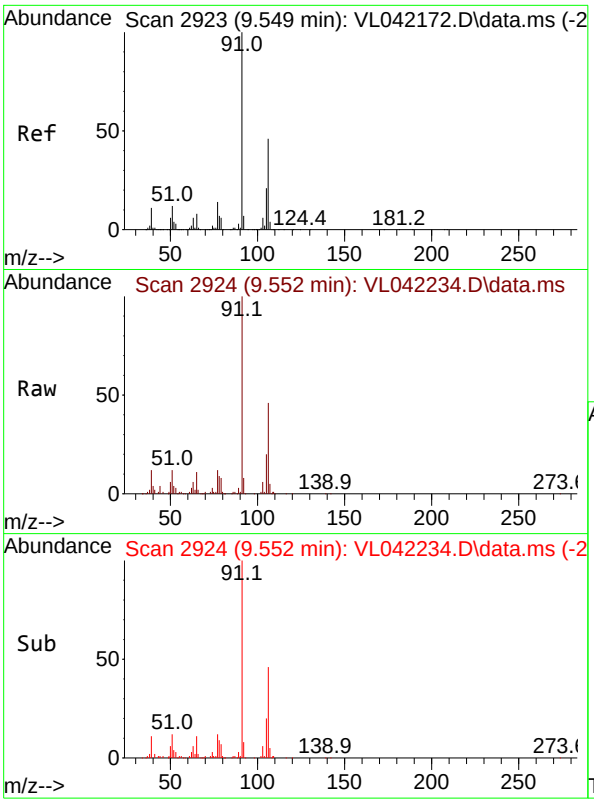


#58
Ethyl Benzene
Concen: 0.279 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 91 Resp: 23493

Ion	Ratio	Lower	Upper
91	100		
106	34.3	24.2	36.2





#59
m/p-Xylene
Concen: 1.177 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 91 Resp: 7908

Ion	Ratio	Lower	Upper
91	100		
106	46.2	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
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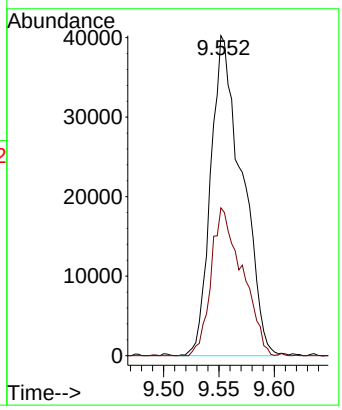
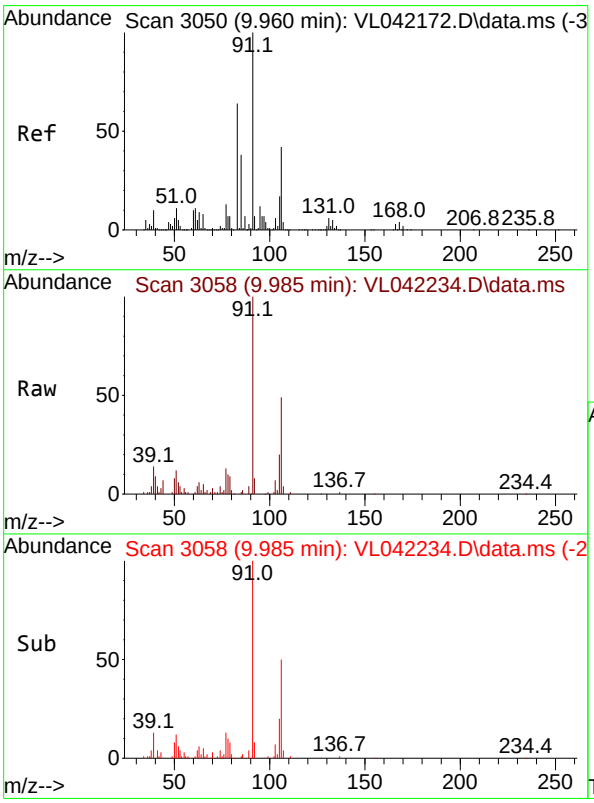
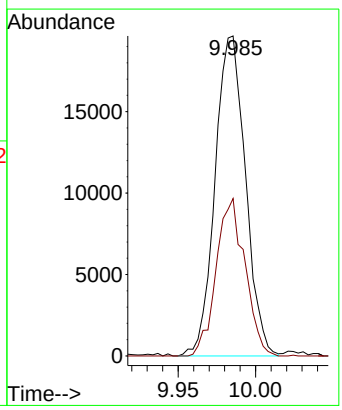


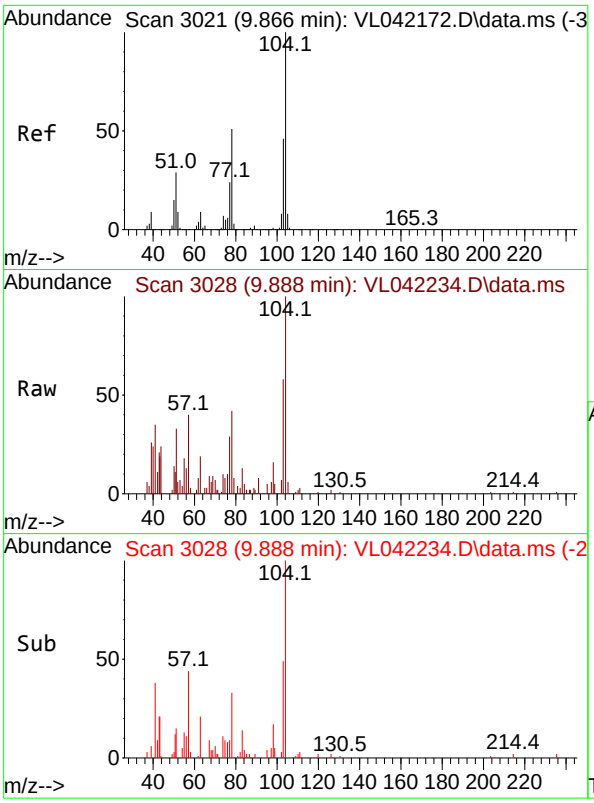


#60
o-Xylene
Concen: 0.398 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 91 Resp: 26822

Ion	Ratio	Lower	Upper
91	100		
106	46.6	20.8	62.5





#61
Styrene
Concen: 0.219 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:104 Resp: 730

Ion	Ratio	Lower	Upper
104	100		
78	53.5	41.8	62.6
103	49.3	37.0	55.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
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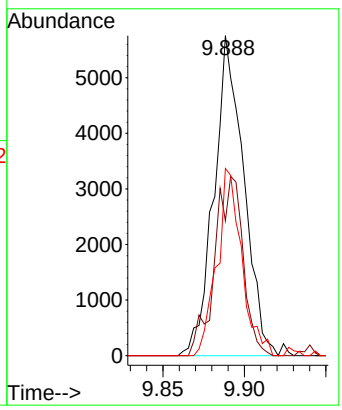
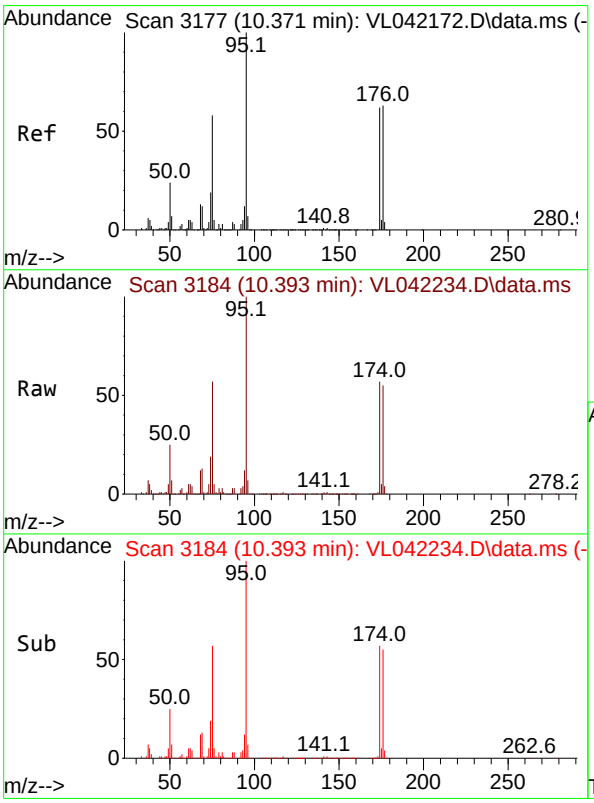
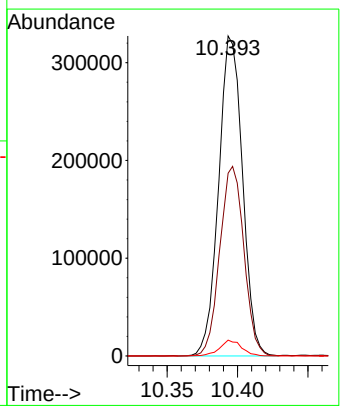


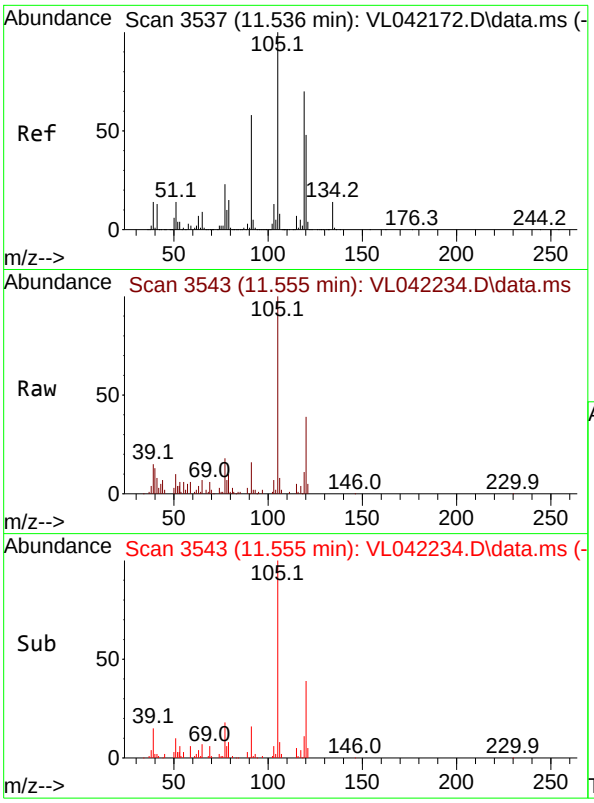


#68
1-Bromo-4-Fluorobenzene
Concen: 9.917 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 95 Resp: 385746

Ion	Ratio	Lower	Upper
95	100		
174	60.0	50.6	76.0
175	4.6	3.8	5.6

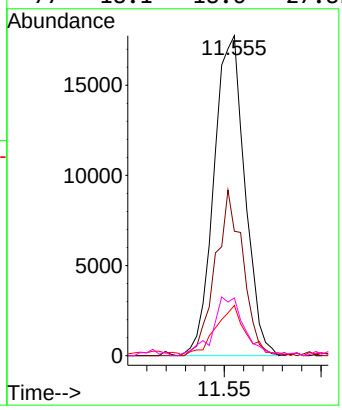




#74
1,2,4-Trimethylbenzene
Concen: 0.233 ppbv
RT: 11.555 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:105 Resp: 1969

Ion	Ratio	Lower	Upper
105	100		
120	38.9	38.6	58.0
91	15.2	46.2	69.2#
77	18.1	18.6	27.8#



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042234.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.431	411	415	416	rBV2	4348521	2294973	72.13%	16.499%
2	1.441	416	418	423	rVB	4439658	3181825	100.00%	22.875%
3	1.845	538	543	550	rBV	173987	120481	3.79%	0.866%
4	2.072	609	613	620	rVB2	69643	55001	1.73%	0.395%
5	2.803	827	839	846	rBV	745988	765779	24.07%	5.505%
6	2.865	852	858	866	rVB	215584	240344	7.55%	1.728%
7	3.981	1189	1203	1215	rBV	929823	1416955	44.53%	10.187%
8	6.962	2107	2124	2140	rBV	185648	359242	11.29%	2.583%
9	8.904	2705	2724	2733	rBV	1221292	1749965	55.00%	12.581%
10	8.953	2733	2739	2749	rVB8	30006	57087	1.79%	0.410%
11	9.244	2818	2829	2842	rBV3	89119	135488	4.26%	0.974%
12	9.374	2862	2869	2879	rBV2	47386	75537	2.37%	0.543%
13	9.552	2915	2924	2929	rBV	120686	180933	5.69%	1.301%
14	9.571	2929	2930	2941	rVB6	78132	78400	2.46%	0.564%
15	9.733	2972	2980	2995	rVB6	54368	98714	3.10%	0.710%
16	9.885	3018	3027	3035	rVB8	36948	55783	1.75%	0.401%
17	9.982	3047	3057	3069	rBV2	60168	97775	3.07%	0.703%
18	10.396	3165	3185	3195	rBV	1521766	1873215	58.87%	13.467%
19	10.876	3326	3333	3341	rBV4	70901	84236	2.65%	0.606%
20	11.552	3534	3542	3551	rVB3	57552	76118	2.39%	0.547%
21	11.791	3612	3616	3623	rVB3	42538	47874	1.50%	0.344%
22	12.245	3749	3756	3761	rBV7	35175	44895	1.41%	0.323%
23	12.458	3814	3822	3831	rVB2	69170	77521	2.44%	0.557%
24	12.659	3878	3884	3889	rBV3	62567	66715	2.10%	0.480%
25	12.892	3947	3956	3961	rBV2	68619	73492	2.31%	0.528%
26	12.940	3964	3971	3982	rVV8	31739	46724	1.47%	0.336%
27	13.008	3985	3992	4005	rVB4	32108	52214	1.64%	0.375%
28	13.400	4105	4113	4121	rBV2	516107	502519	15.79%	3.613%

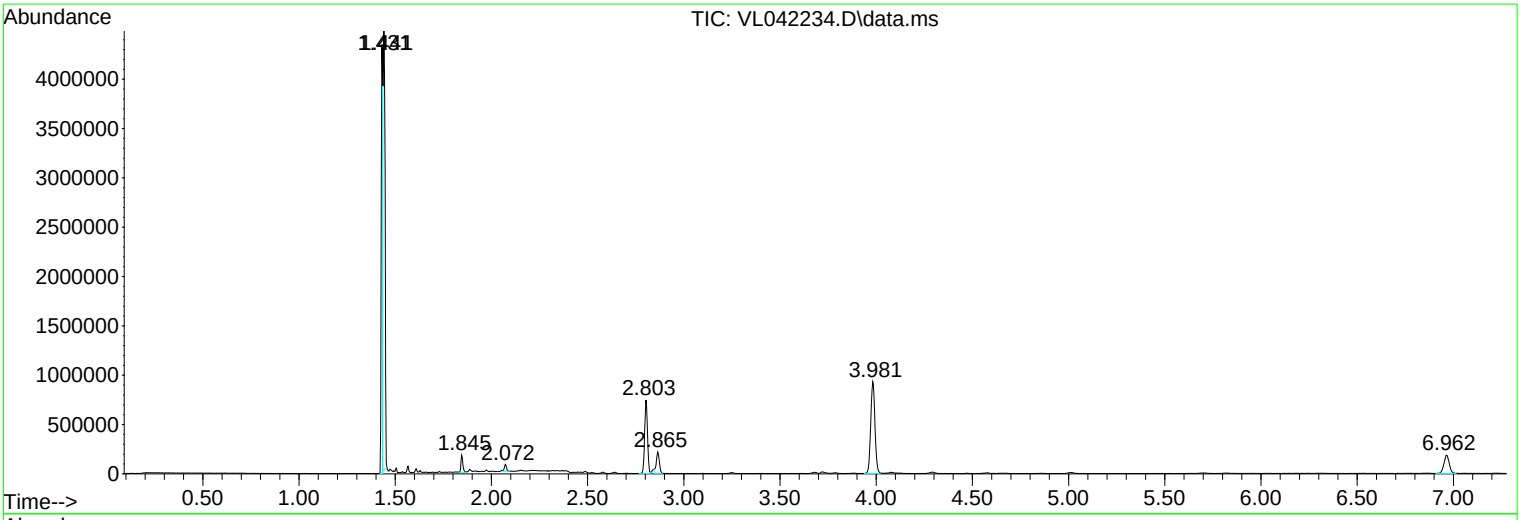
Sum of corrected areas: 13909805

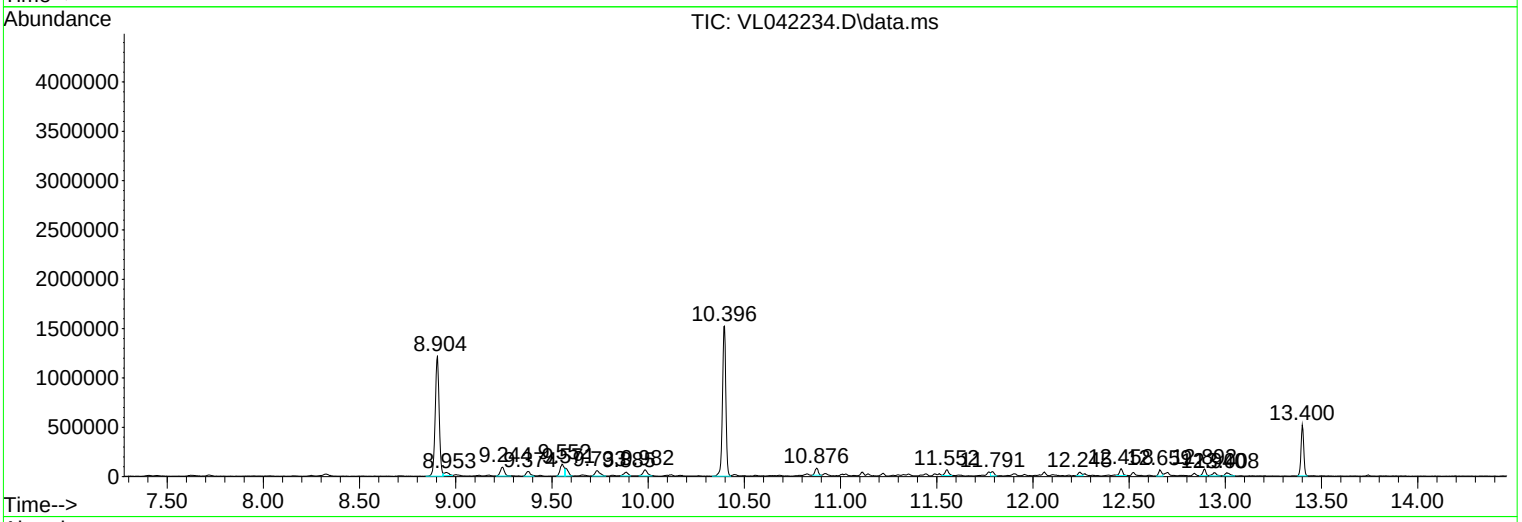
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

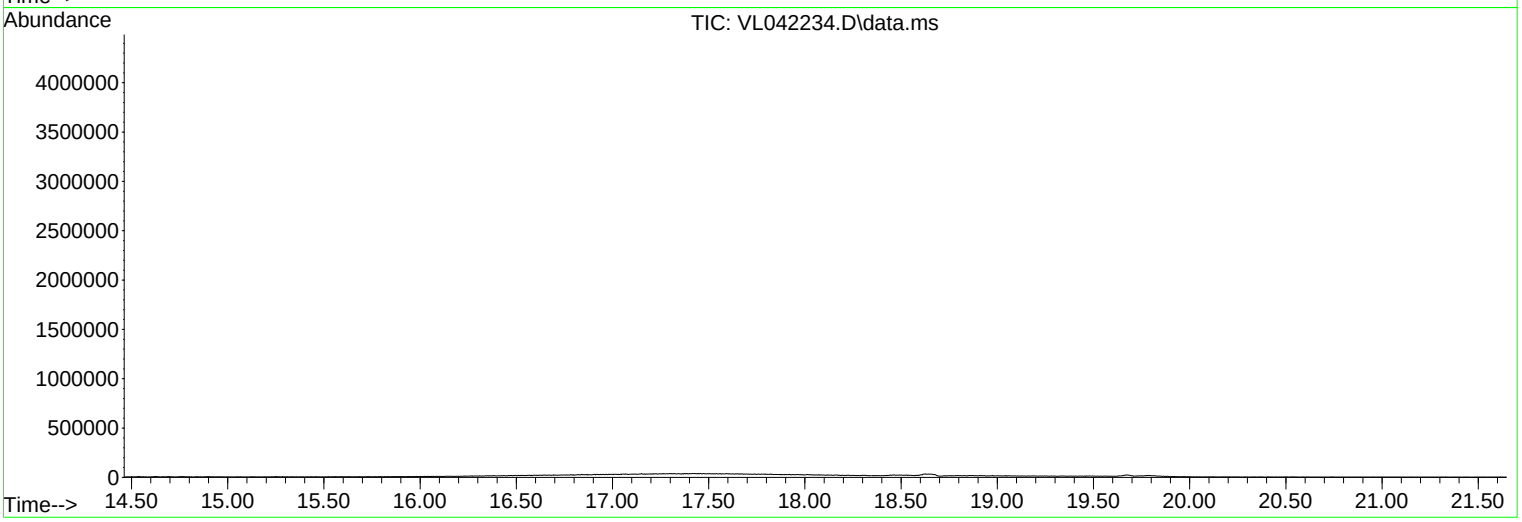
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-02	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
VL042235.D	1		04/07/25 14:51	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.40	1.98	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.13	0.27	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.23	1.29	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.49	1.49	J	0.58	1.52	ug/m3
142-82-5	Heptane	0.15	0.61	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	1.60	6.34		0.56	1.98	ug/m3
67-64-1	Acetone	31.3	74.3	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.67	2.33		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.69	2.04		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	3.60	22.6		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	120	586	E	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.11	0.60		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.24	0.77	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.92	4.94		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.42	2.81	J	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	1.40	5.28		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-02	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
VL042235.D	1		04/07/25 14:51	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	3.10	21.0		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.16	0.74	J	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.27	1.17	J	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	1.10	4.78		0.91	4.34	ug/m3
95-47-6	o-Xylene	0.39	1.69	J	0.52	2.17	ug/m3
100-42-5	Styrene	0.34	1.45	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.38	1.87	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.45	1.59	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			70 (65) - 130 (135)	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	201000		2.803			
540-36-3	1,4-Difluorobenzene	538000		3.981			
3114-55-4	Chlorobenzene-d5	488000		8.901			
TENTITIVE IDENTIFIED COMPOUNDS							
115-07-1	Propene	2.50		J		1.49	ppbv
64-17-5	Ethanol	130		J		1.73	ppbv
67-63-0	Isopropyl Alcohol	27.1		J		1.89	ppbv

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-02	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
VL042235.D	1		04/07/25 14:51	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
005989-27-5	D-Limonene	1.90		J		12.1	ppbv
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	1.90		J		12.1	ppbv
031081-18-2	Nonane, 3-methyl-5-propyl-	9.20		J		12.2	ppbv
	unknown12.267	8.10		J		12.3	ppbv
062199-06-8	Heptane, 5-ethyl-2,2,3-trimethyl-	6.30		J		12.5	ppbv
062016-28-8	Octane, 2,2,6-trimethyl-	2.60		J		12.5	ppbv
000563-16-6	Hexane, 3,3-dimethyl-	2.80		J		12.7	ppbv
022609-10-5	6-Chloro-2-ethyl-4-phenylquinoline	87.6		J		13.4	ppbv

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\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 08 01:32:36 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 :
SSSG-B10-4-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	200550	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	538469	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.901	117	487966	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	392922	9.805	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	11812	0.399	ppbv		99
4) Chloromethane	1.538	50	1607	0.133	ppbv		97
9) Propene	1.492	41	34124m	2.461	ppbv		
10) Heptane	5.004	43	5459m	0.148	ppbv		
11) Trichlorofluoromethane	1.887	101	6560	0.228	ppbv		97
13) Ethanol	1.729	45	165486	126.257	ppbv		81
15) Acetone	1.842	43	878596	31.325	ppbv		97
17) tert-Butyl alcohol	2.052	59	17125m	0.490	ppbv		
18) 1,1-Dichloroethene	2.046	96	17208	1.554	ppbv		98
19) Isopropyl Alcohol	1.894	45	429215	27.122	ppbv	#	85
20) Methylene Chloride	2.072	84	7004	0.670	ppbv	#	81
26) Hexane	2.842	57	12578	0.447	ppbv	#	1
29) Chloroform	2.865	83	5091112	123.718	ppbv	#	64
32) 1,1,1-Trichloroethane	3.389	97	5002	0.106	ppbv		96
34) 2-Butanone	2.573	43	26940	0.690	ppbv		99
35) Carbon Tetrachloride	3.787	117	149549	3.555	ppbv		97
36) Benzene	3.677	78	12945m	0.242	ppbv		
38) Trichloroethene	4.577	130	20401	0.916	ppbv	#	83
42) Bromodichloromethane	4.519	83	17527m	0.416	ppbv		
52) Tetrachloroethene	8.247	164	66227	3.128	ppbv		96
53) Toluene	6.962	91	88021	1.391	ppbv		99
57) Chlorobenzene	8.940	112	7168m	0.155	ppbv		
58) Ethyl Benzene	9.377	91	22956	0.265	ppbv	#	87
59) m/p-Xylene	9.552	91	78245	1.131	ppbv		100
60) o-Xylene	9.982	91	26678	0.385	ppbv		97
61) Styrene	9.888	104	11796	0.344	ppbv		95
74) 1,2,4-Trimethylbenzene	11.552	105	33126	0.381	ppbv	#	66

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

Quantitation Report (LSC Reviewed)

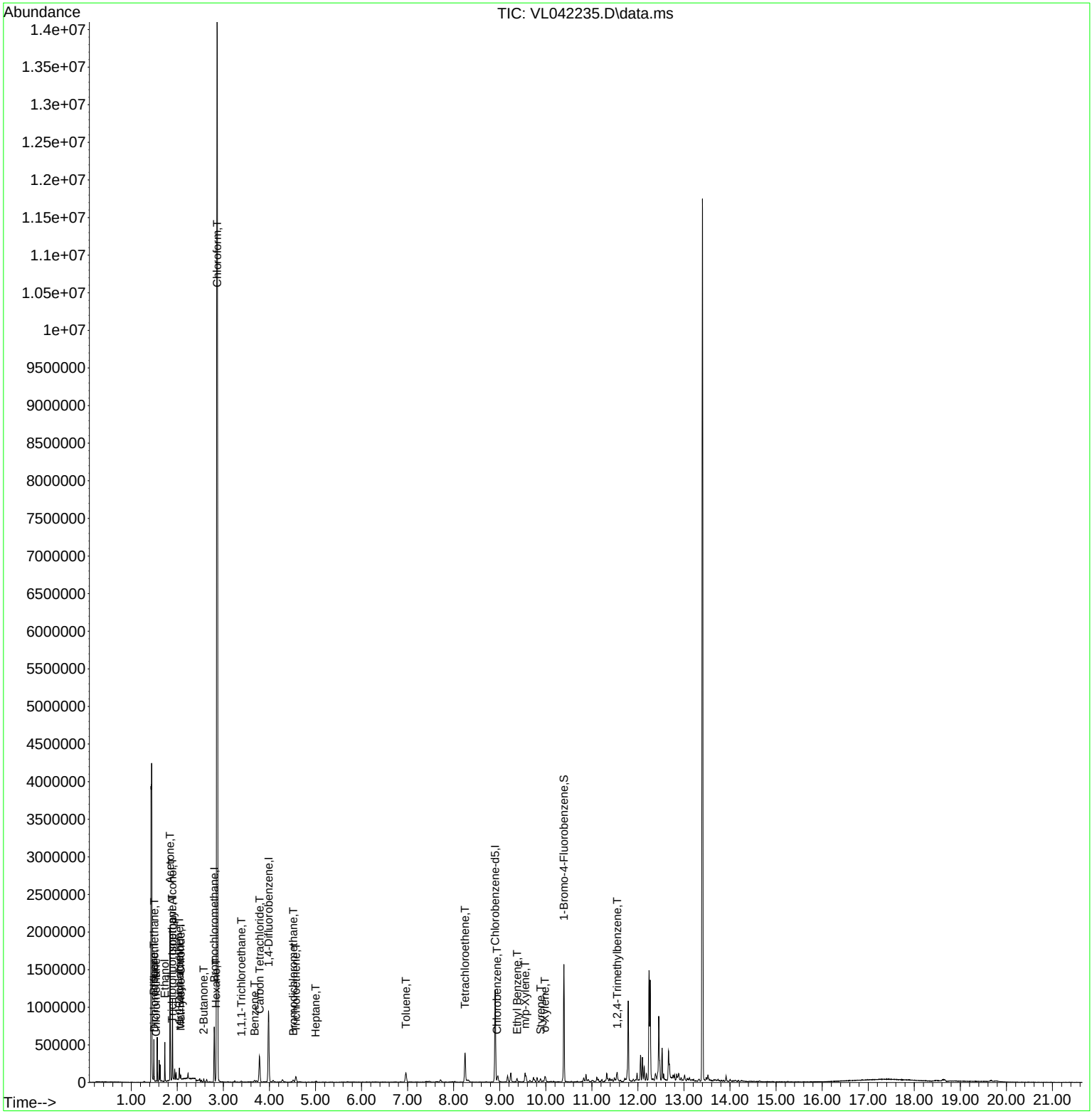
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

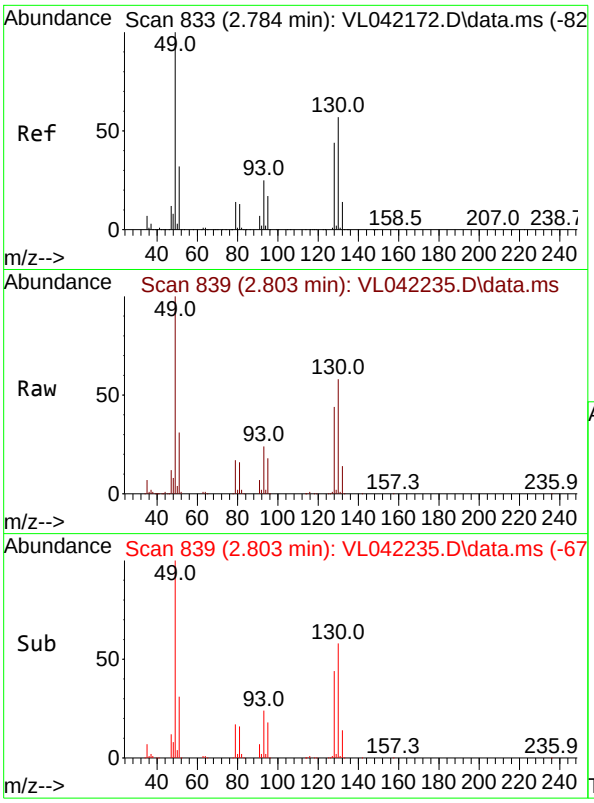
Quant Time: Apr 08 01:32:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

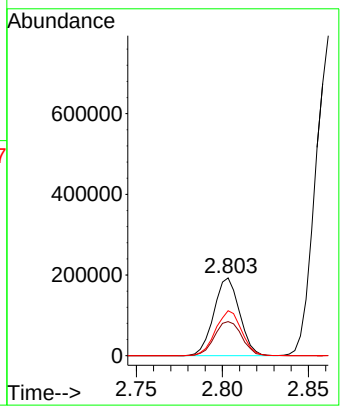




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 49 Resp: 20055

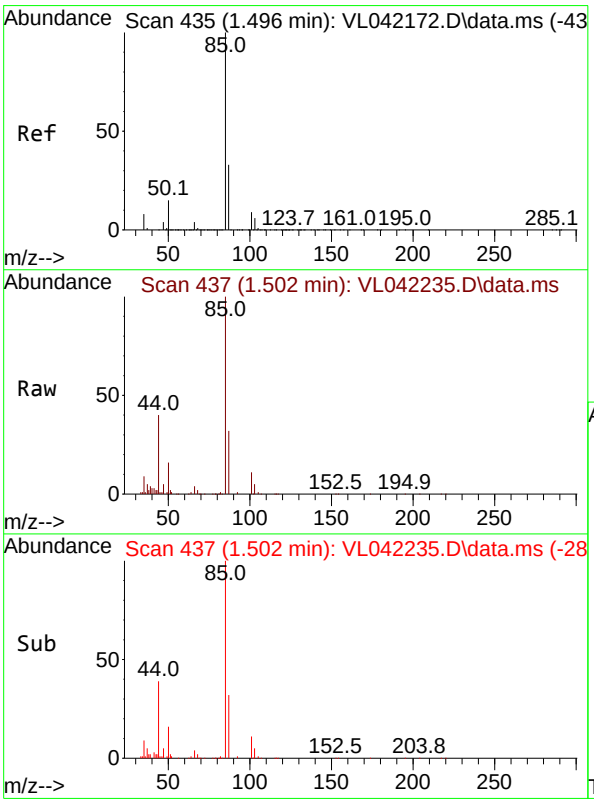
Ion	Ratio	Lower	Upper
49	100		
128	46.5	22.9	68.5
130	58.5	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Manual Integrations
APPROVED

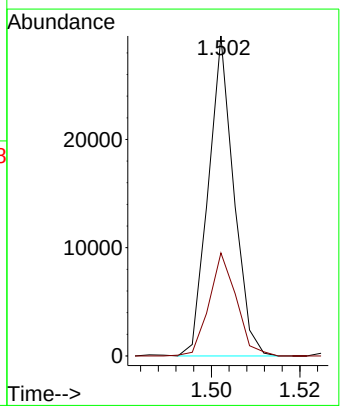
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

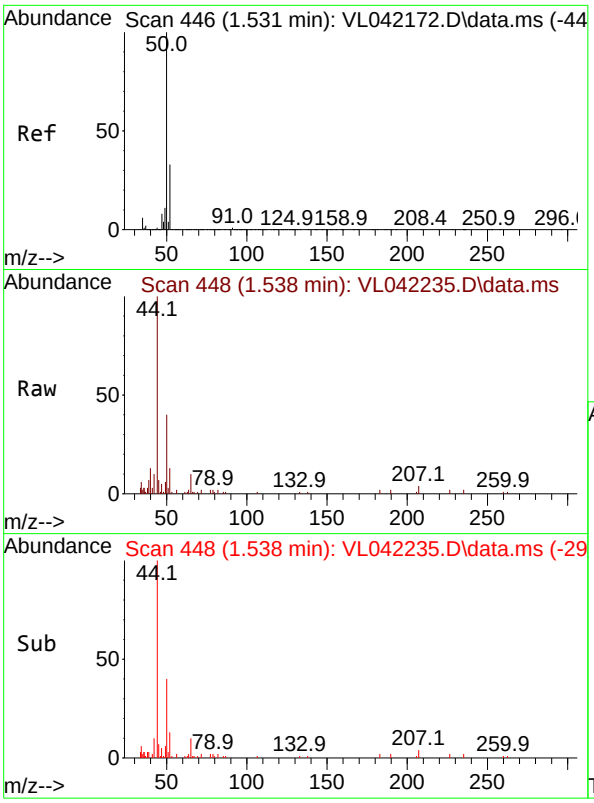


#2
Dichlorodifluoromethane
Concen: 0.399 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 85 Resp: 11812

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.1	39.1

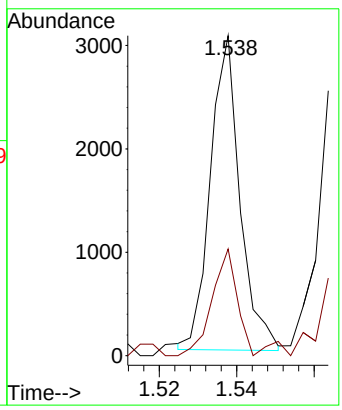




#4
Chloromethane
Concen: 0.133 ppbv
RT: 1.538 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 50 Resp: 160

Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.1	39.1



Instrument :
MSVOA_L
ClientSampleId :
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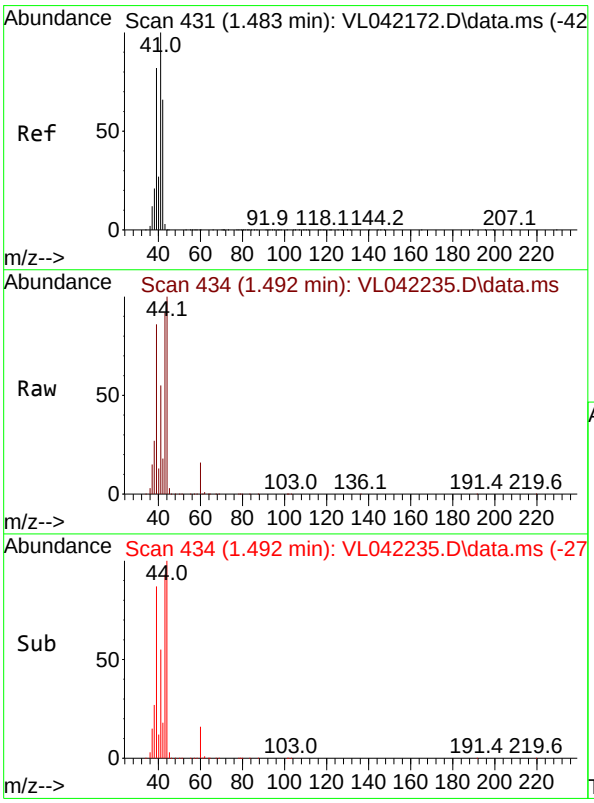
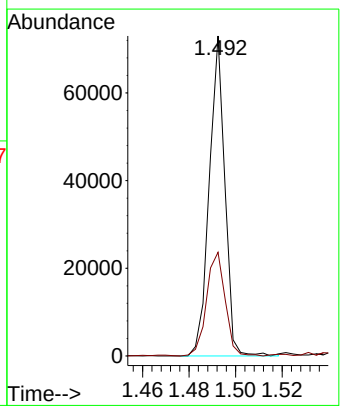
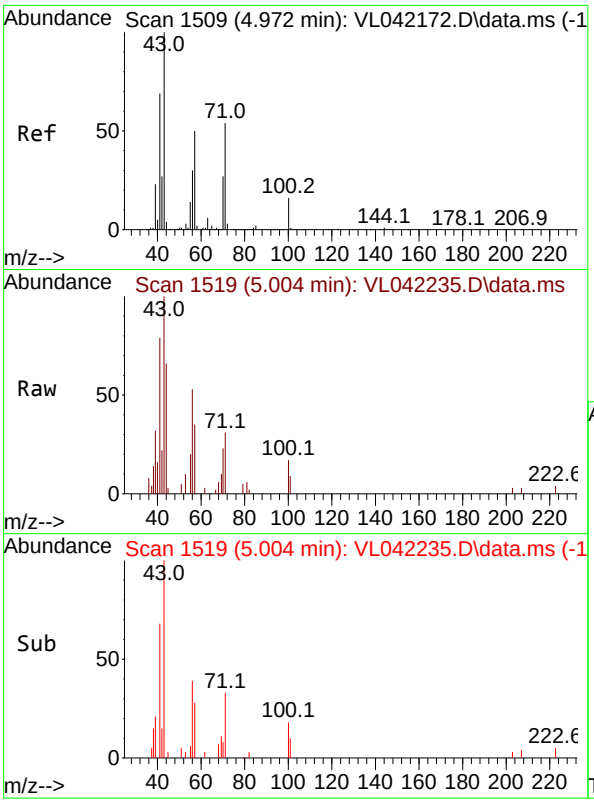


#9
Propene
Concen: 2.461 ppbv m
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 41 Resp: 34124

Ion	Ratio	Lower	Upper
41	100		
42	73.3	55.4	83.2





#10
Heptane
Concen: 0.148 ppbv m
RT: 5.004 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 43 Resp: 545

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2

Instrument :
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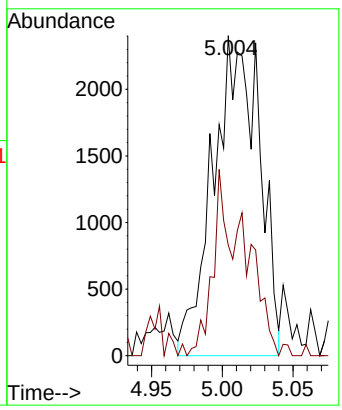
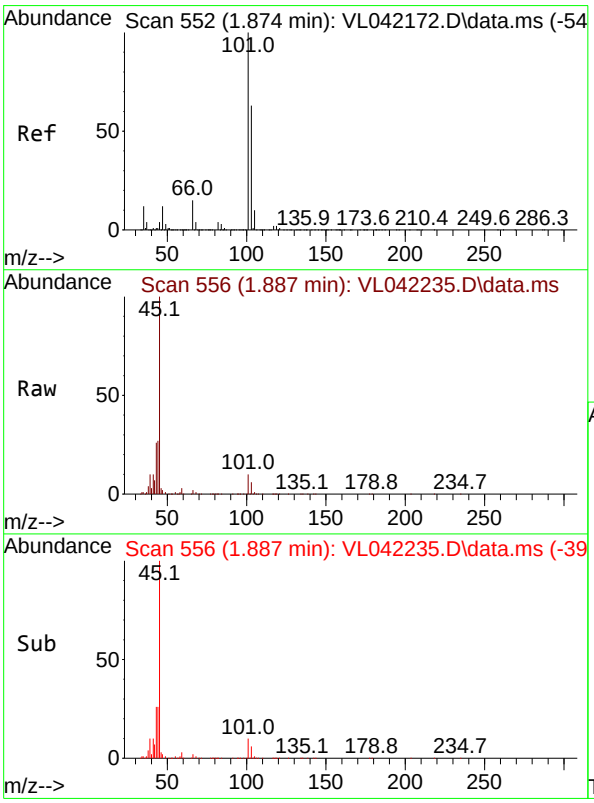
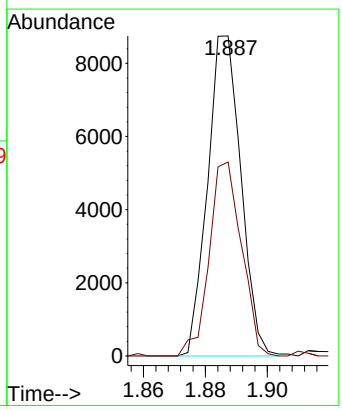


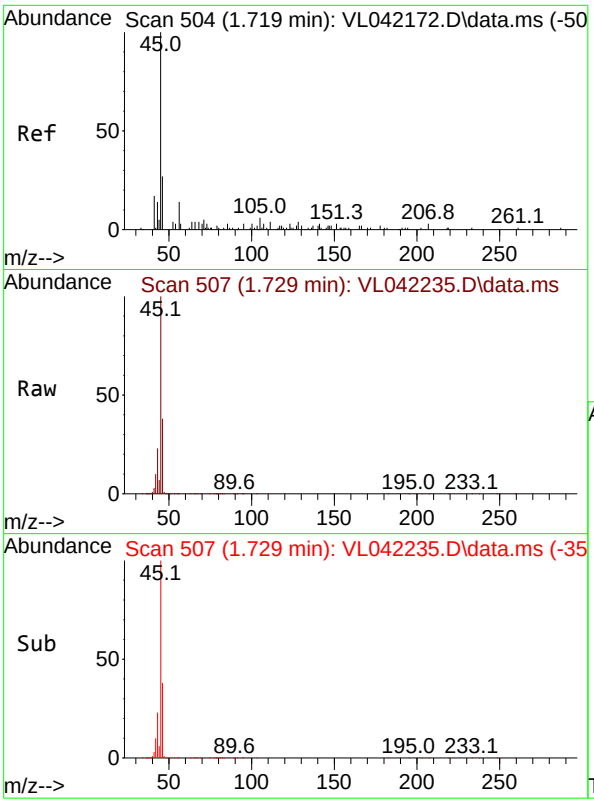


#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:101 Resp: 6560

Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.2	75.2





#13
Ethanol
Concen: 126.257 ppbv
RT: 1.729 min Scan# 5(
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 45 Resp: 16548(

Ion	Ratio	Lower	Upper
45	100		
46	37.6	20.2	80.8

Instrument :
MSVOA_L
ClientSampleId :
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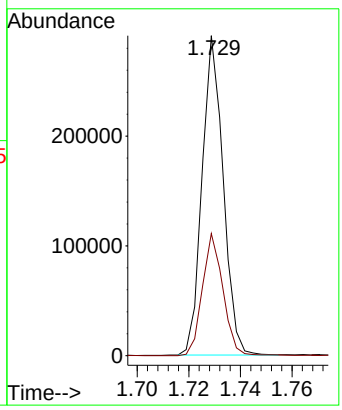
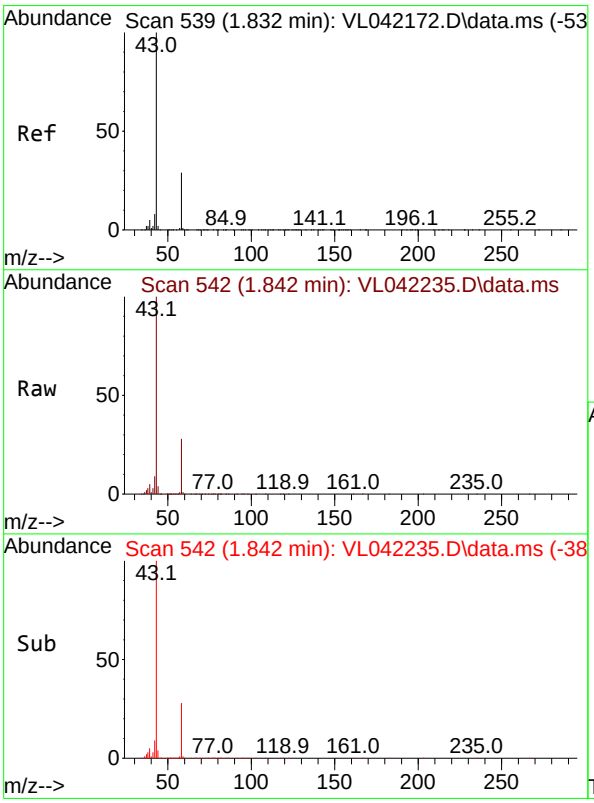
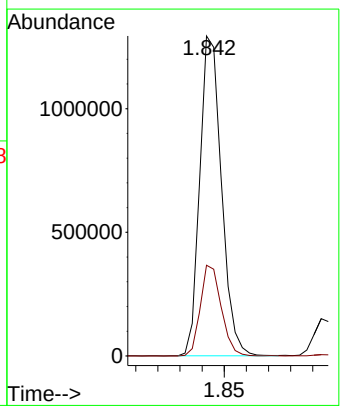


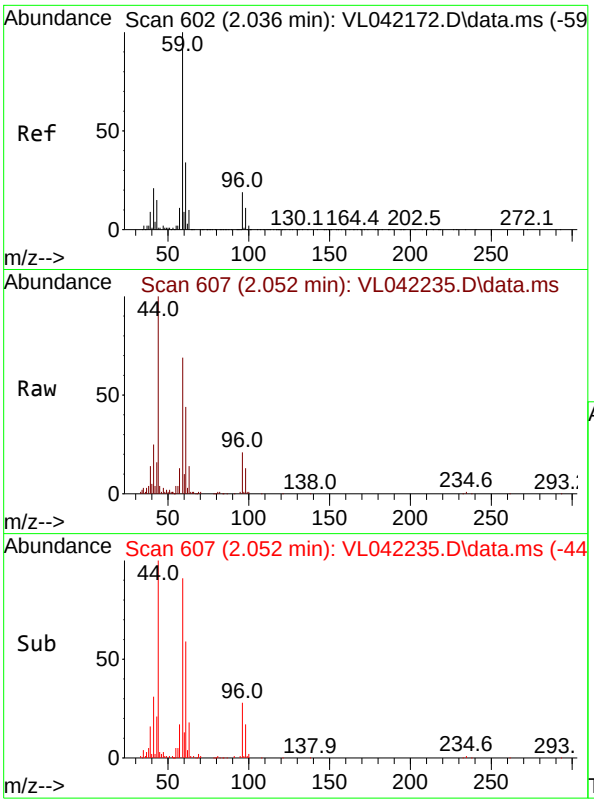


#15
Acetone
Concen: 31.325 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 43 Resp: 878596

Ion	Ratio	Lower	Upper
43	100		
58	27.4	23.2	34.8

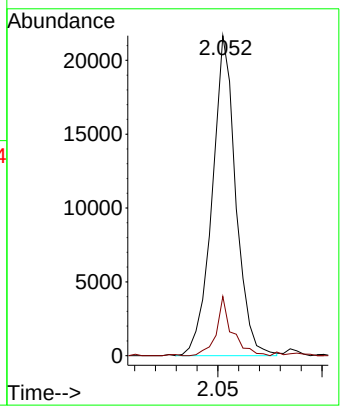




#17
tert-Butyl alcohol
Concen: 0.490 ppbv m
RT: 2.052 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 59 Resp: 1712

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.9	13.3



Instrument :
MSVOA_L
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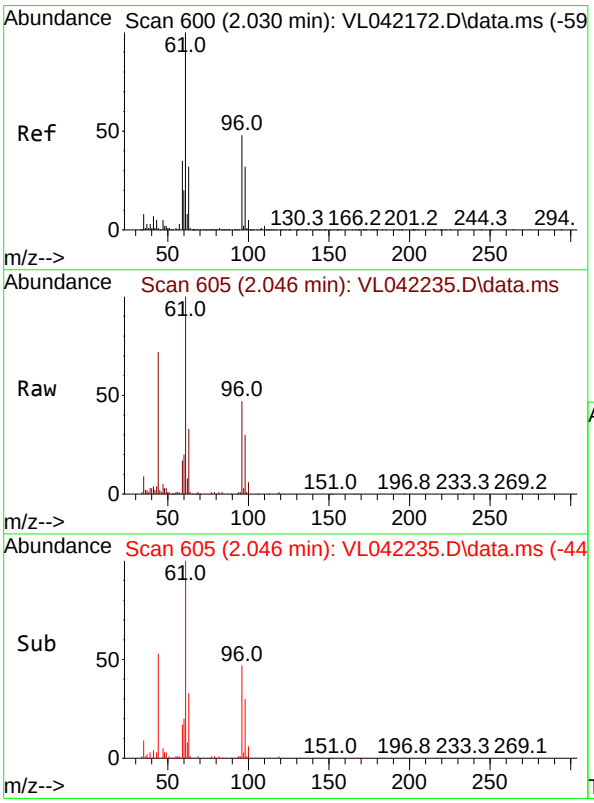
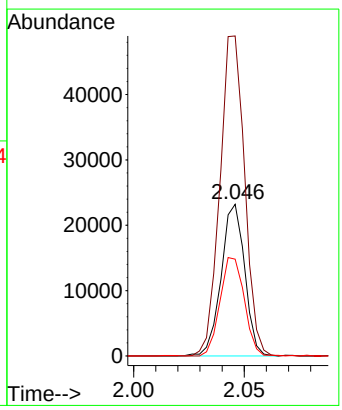
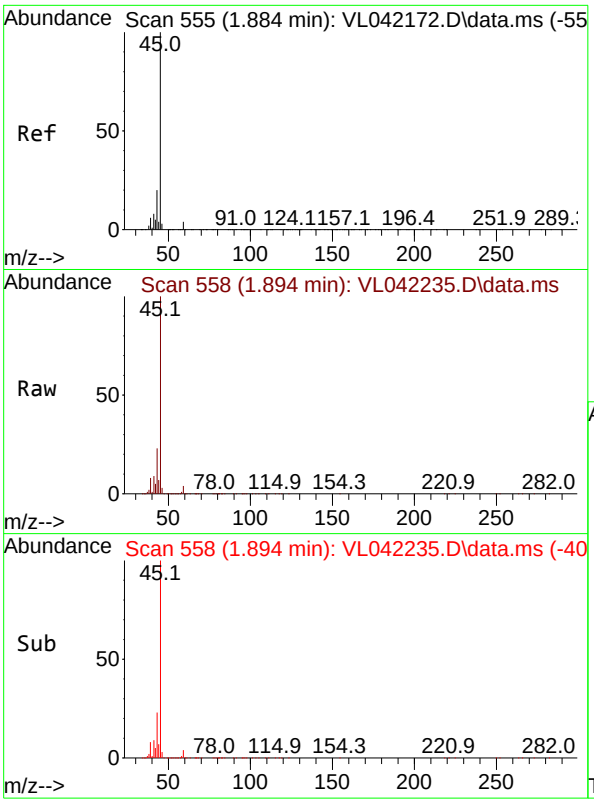


#18
1,1-Dichloroethene
Concen: 1.554 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 96 Resp: 17208

Ion	Ratio	Lower	Upper
96	100		
61	210.9	167.6	251.4
98	63.6	53.5	80.3





#19
Isopropyl Alcohol
Concen: 27.122 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 45 Resp: 42921

Ion	Ratio	Lower	Upper
45	100		
58	56.0	36.9	55.3#

Instrument :
MSVOA_L
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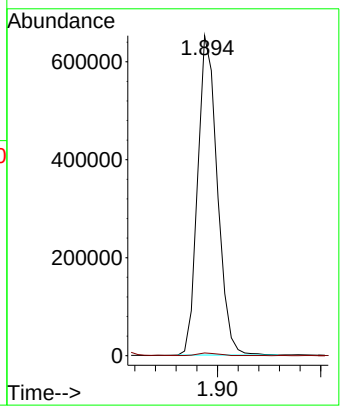
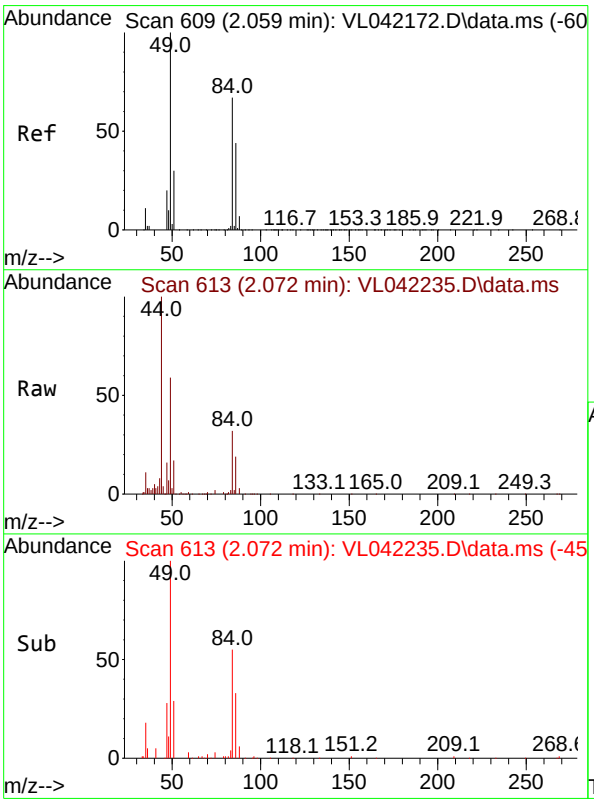
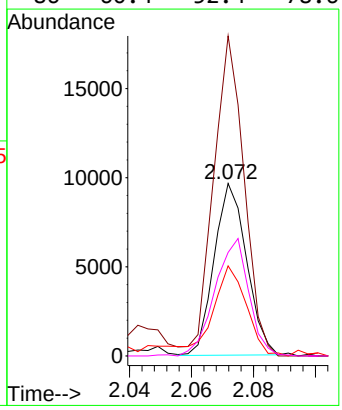


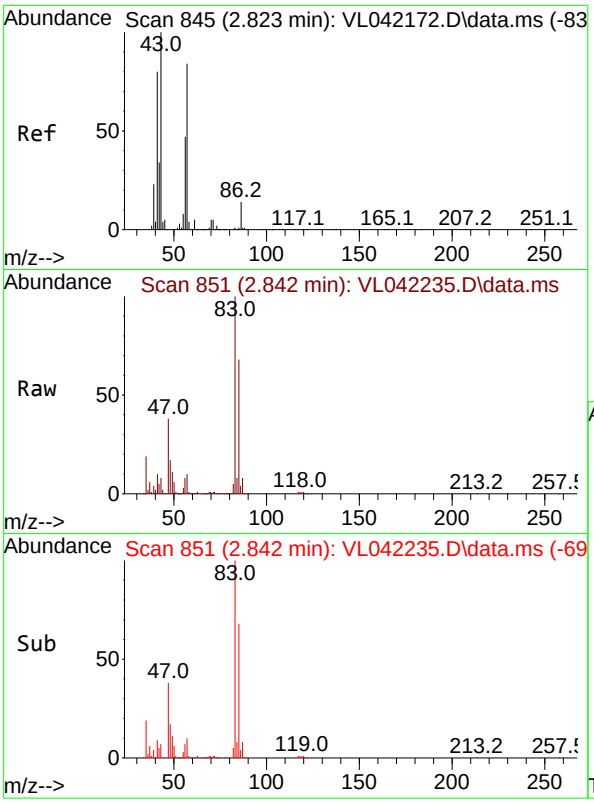


#20
Methylene Chloride
Concen: 0.670 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 84 Resp: 7004

Ion	Ratio	Lower	Upper
84	100		
49	186.7	120.2	180.4#
51	50.8	37.4	56.0
86	60.4	52.4	78.6

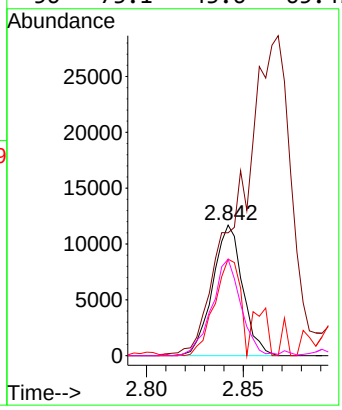




#26
Hexane
Concen: 0.447 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 57 Resp: 1257

Ion	Ratio	Lower	Upper
57	100		
41	455.4	76.6	114.8#
43	86.6	207.8	311.8#
56	73.1	43.6	65.4#



Instrument :
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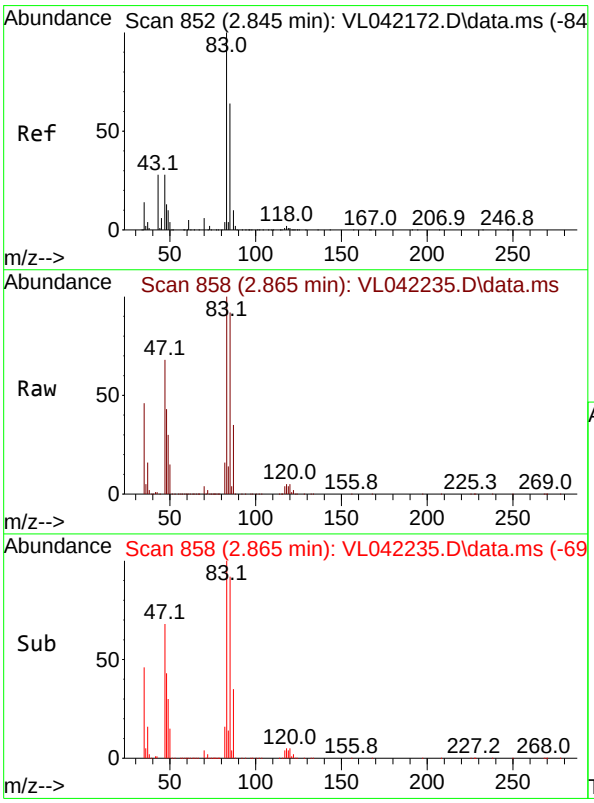
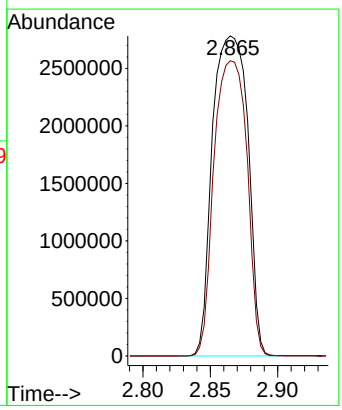
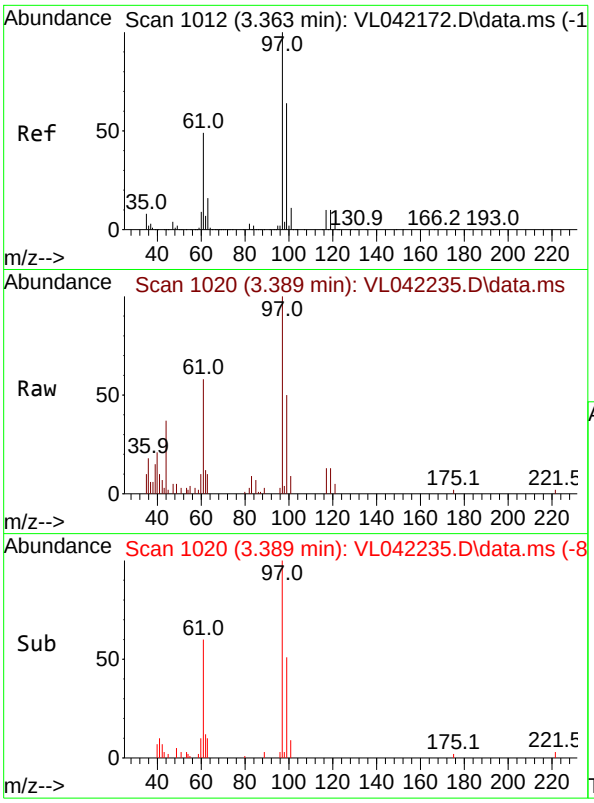


#29
Chloroform
Concen: 123.718 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 83 Resp: 5091112

Ion	Ratio	Lower	Upper
83	100		
85	92.2	51.4	77.2#

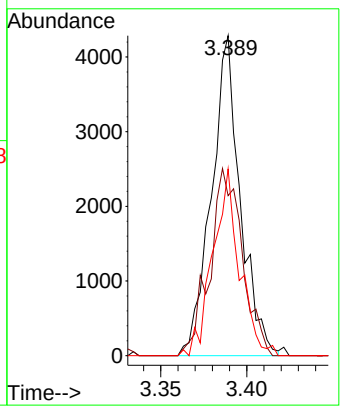




#32
1,1,1-Trichloroethane
Concen: 0.106 ppbv
RT: 3.389 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 97 Resp: 500

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.5	77.3
61	53.9	38.7	58.1



Instrument :
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ClientSampleId :
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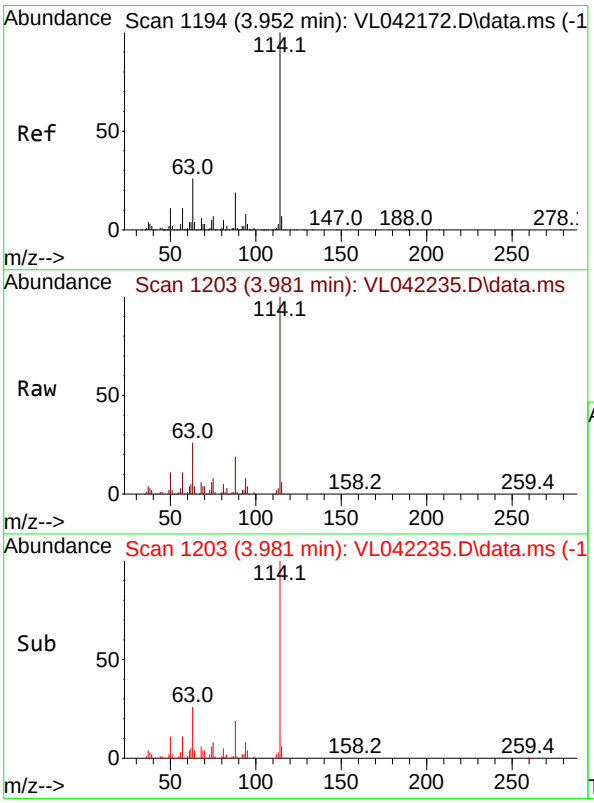
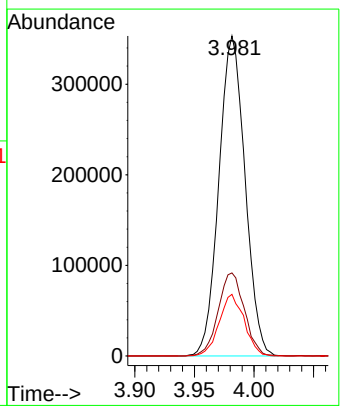
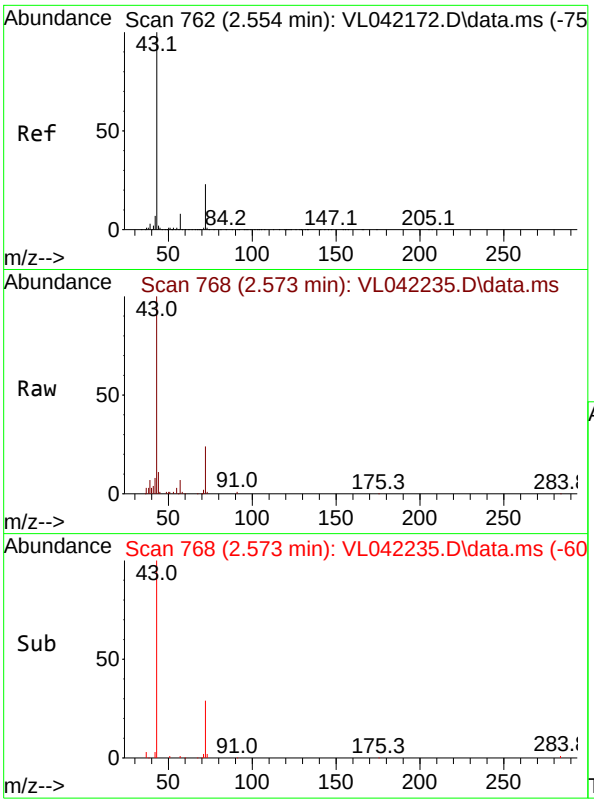


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:114 Resp: 538469

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.4	15.0	22.4

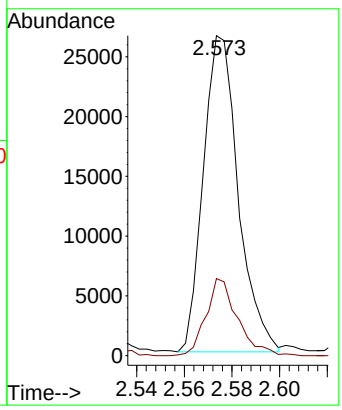




#34
2-Butanone
Concen: 0.690 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 43 Resp: 2694

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2



Instrument :
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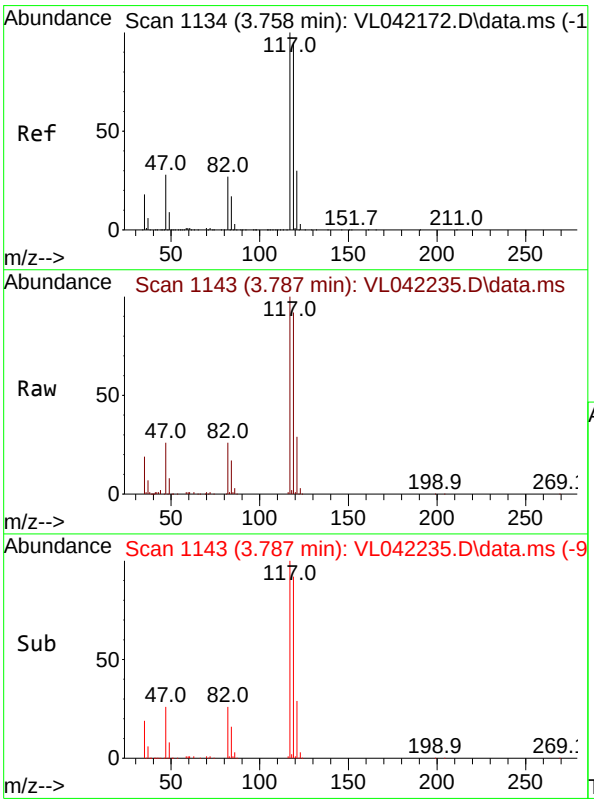
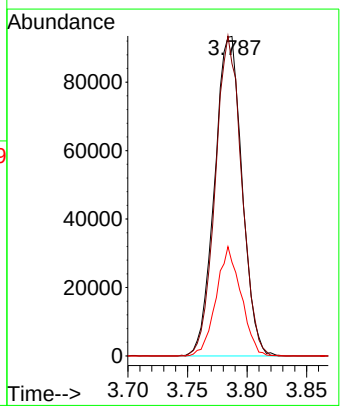
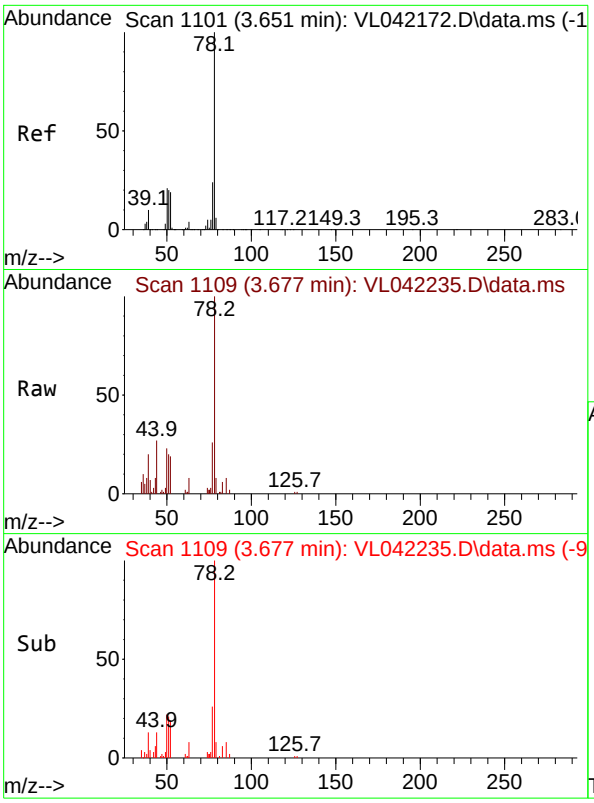


#35
Carbon Tetrachloride
Concen: 3.555 ppbv
RT: 3.787 min Scan# 1143
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:117 Resp: 149549

Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.2	114.2
121	29.3	24.2	36.4

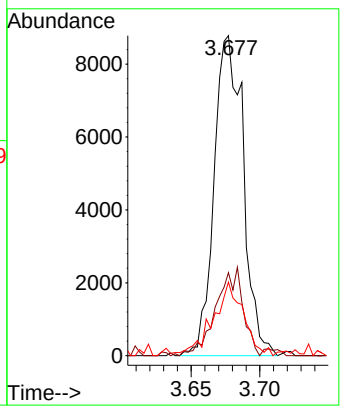




#36
Benzene
Concen: 0.242 ppbv m
RT: 3.677 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 78 Resp: 1294

Ion	Ratio	Lower	Upper
78	100		
77	26.0	19.1	28.7
50	23.0	16.6	24.8



Instrument :
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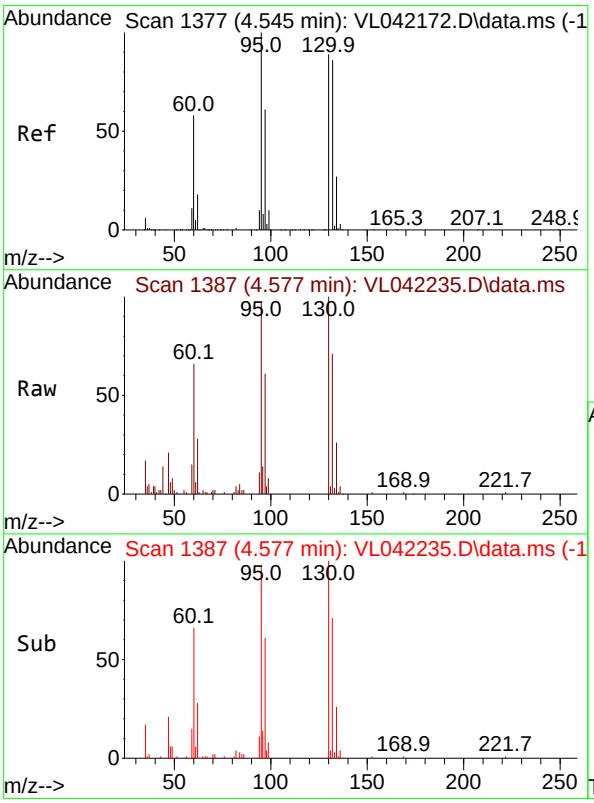
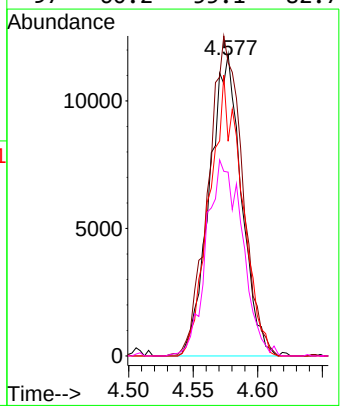
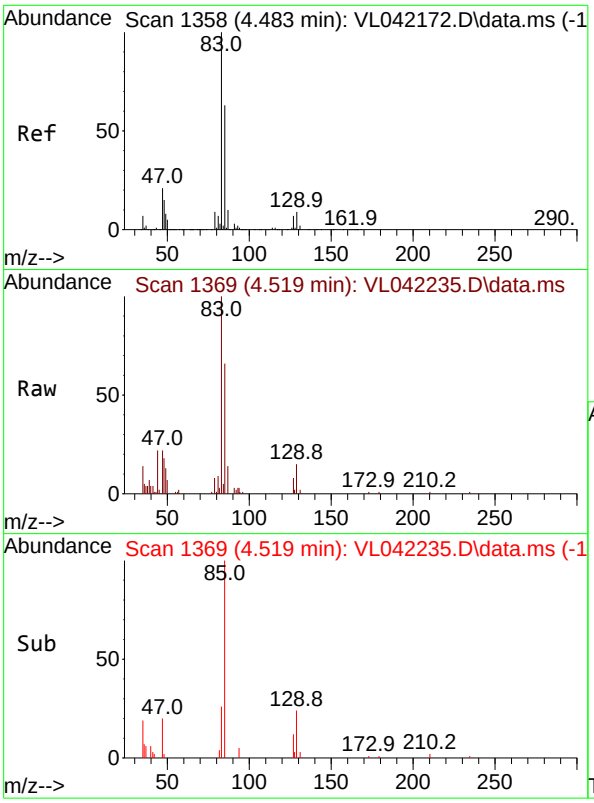


#38
Trichloroethene
Concen: 0.916 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.032 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:130 Resp: 20401

Ion	Ratio	Lower	Upper
130	100		
95	97.2	89.8	134.8
132	71.1	77.4	116.2#
97	60.2	55.1	82.7





#42
Bromodichloromethane
Concen: 0.416 ppbv m
RT: 4.519 min Scan# 1
Delta R.T. 0.035 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 83 Resp: 1752

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7
127	7.8	5.9	8.9

Instrument :
MSVOA_L
ClientSampleId :
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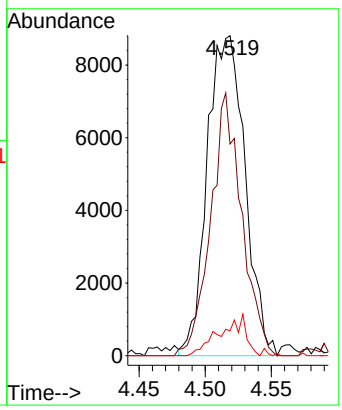
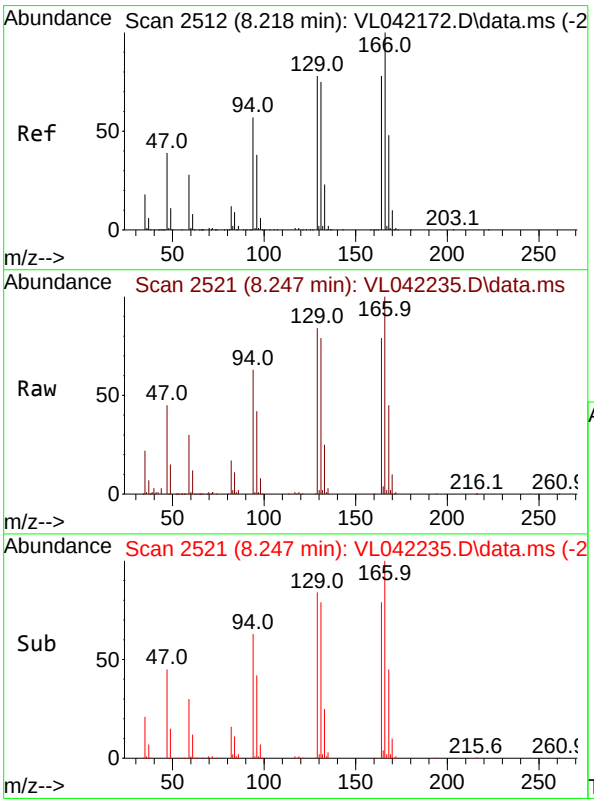
Supervised By :Mahesh Dadoda 04/09/2025

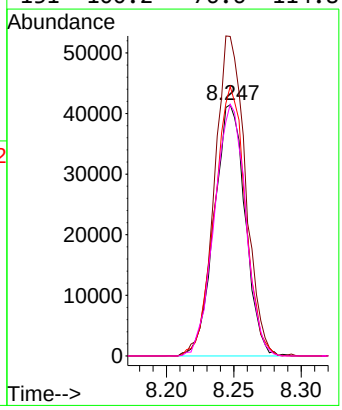


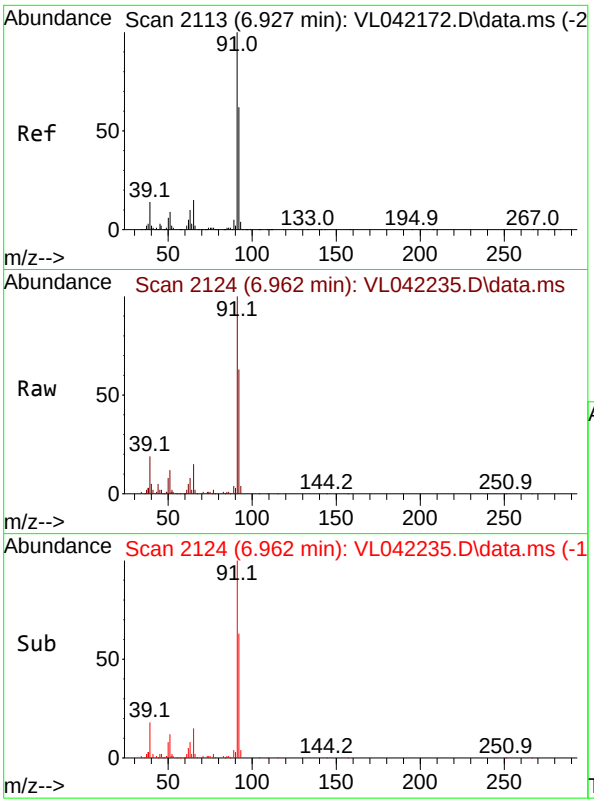


#52
Tetrachloroethene
Concen: 3.128 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:164 Resp: 66227

Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.5	153.7
129	107.3	79.8	119.8
131	100.2	76.6	114.8

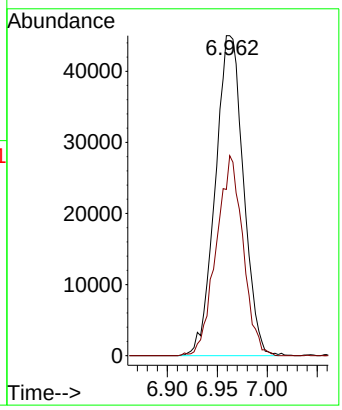




#53
Toluene
Concen: 1.391 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 91 Resp: 8802

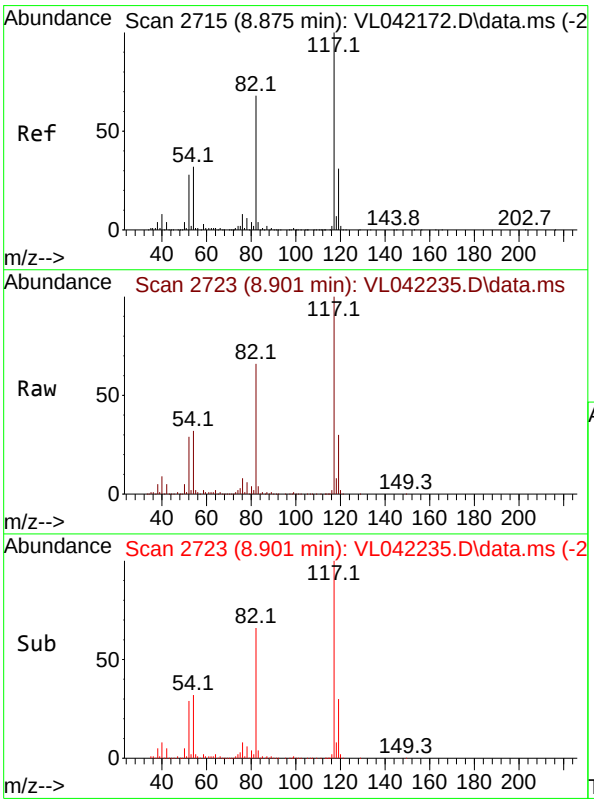
Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Manual Integrations
APPROVED

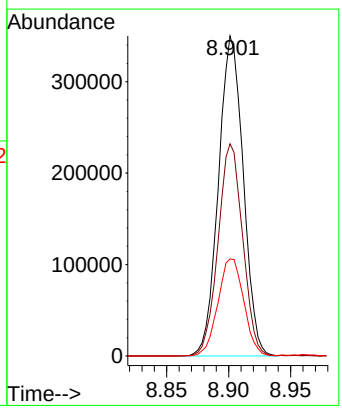
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

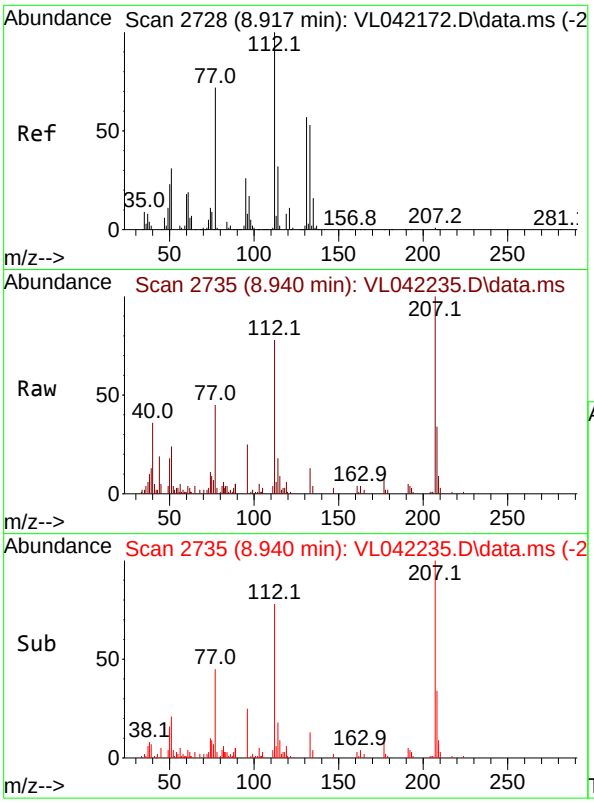


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:117 Resp: 487966

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.7	25.5	38.3





#57
Chlorobenzene
Concen: 0.155 ppbv m
RT: 8.940 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

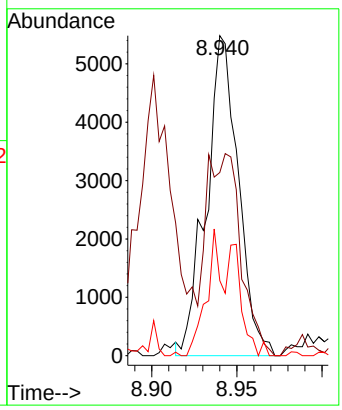
Tgt Ion:112 Resp: 716

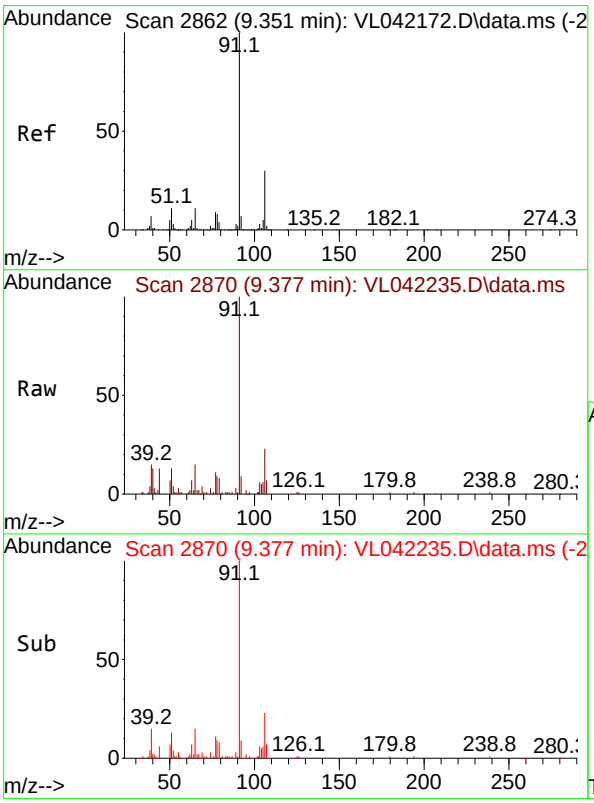
Ion	Ratio	Lower	Upper
112	100		
77	57.3	58.2	87.2#
114	23.4	29.1	35.5#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

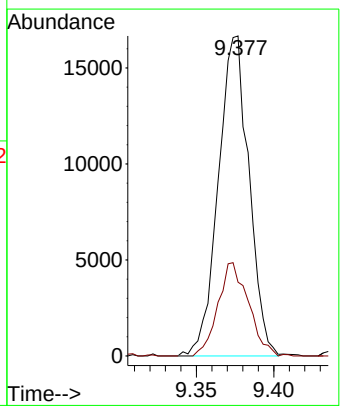


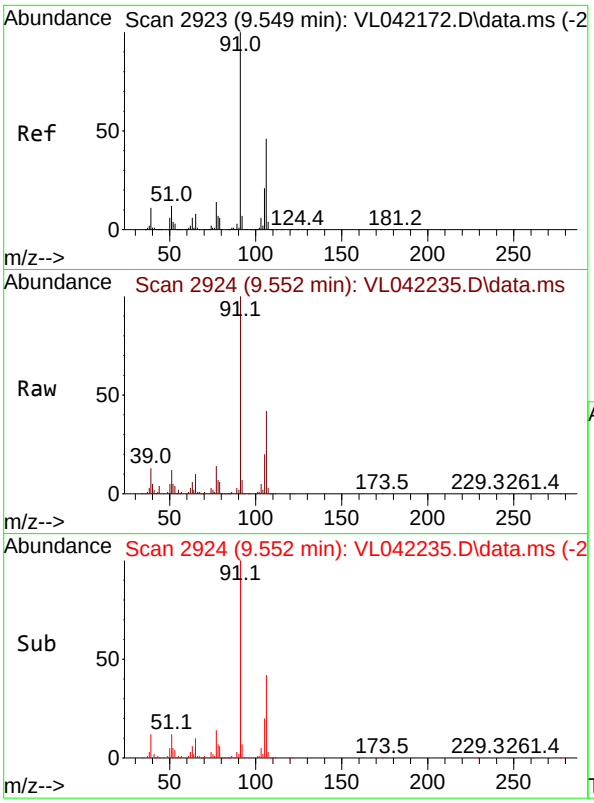


#58
Ethyl Benzene
Concen: 0.265 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 91 Resp: 22956

Ion	Ratio	Lower	Upper
91	100		
106	23.1	24.2	36.2#





#59
m/p-Xylene
Concen: 1.131 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

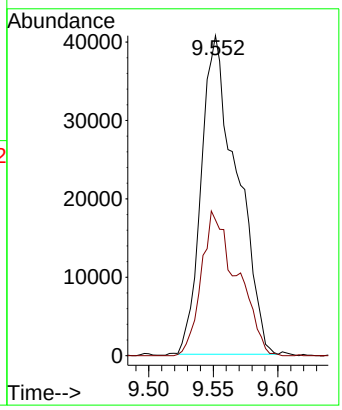
Tgt Ion: 91 Resp: 7824

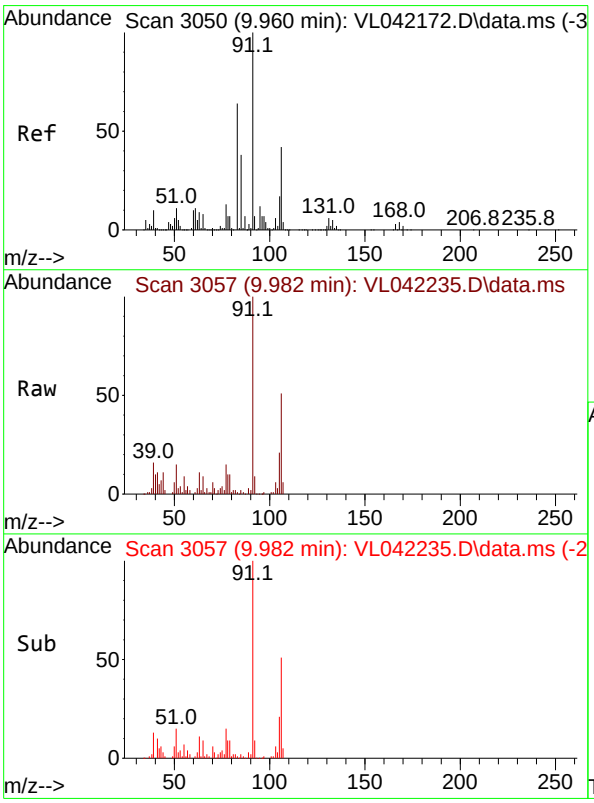
Ion	Ratio	Lower	Upper
91	100		
106	45.6	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

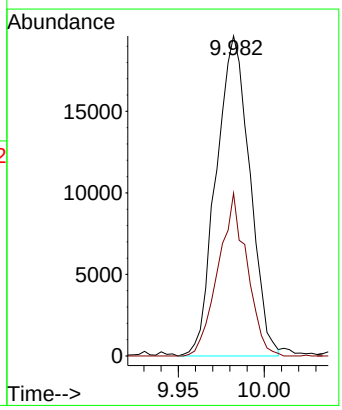


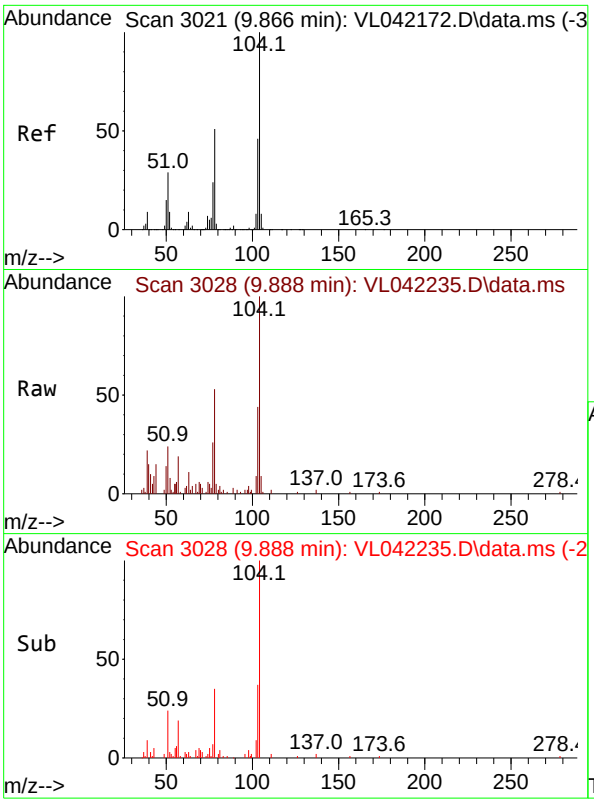


#60
o-Xylene
Concen: 0.385 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 91 Resp: 26678

Ion	Ratio	Lower	Upper
91	100		
106	43.4	20.8	62.5





#61
Styrene
Concen: 0.344 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

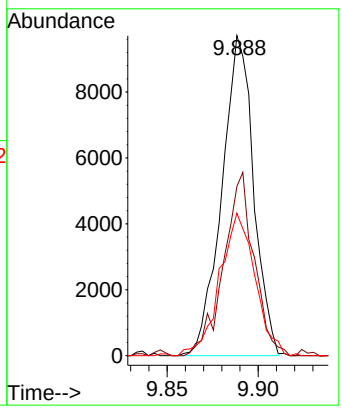
Tgt Ion:104 Resp: 1179

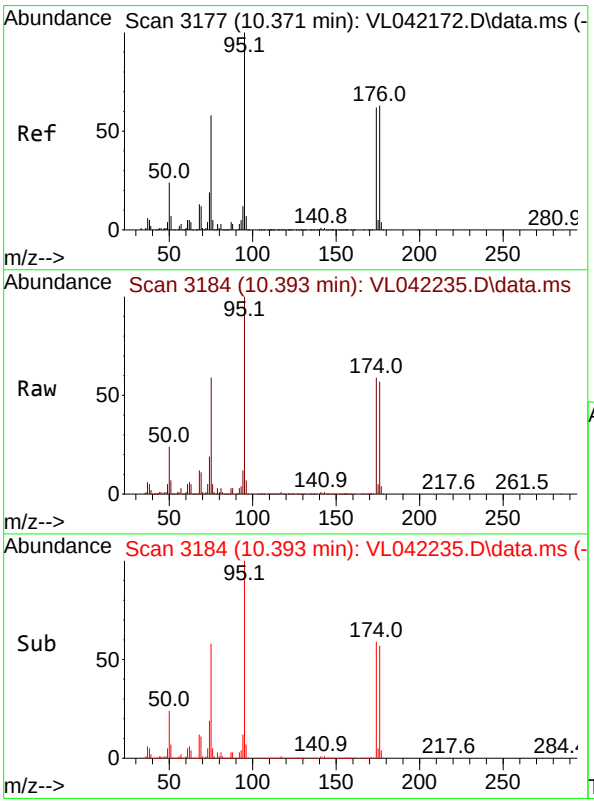
Ion	Ratio	Lower	Upper
104	100		
78	55.6	41.8	62.6
103	49.4	37.0	55.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

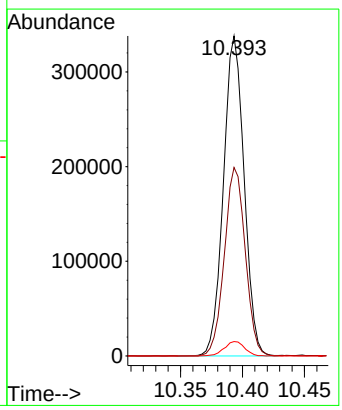


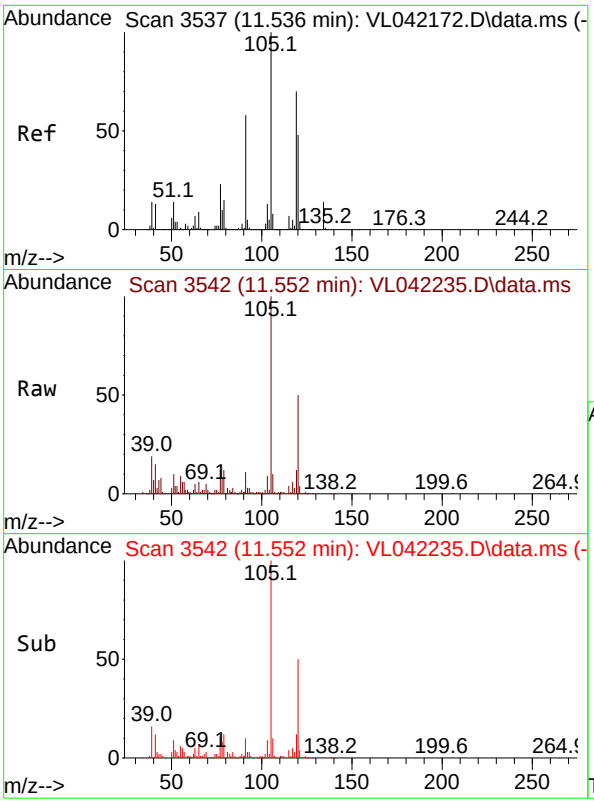


#68
1-Bromo-4-Fluorobenzene
Concen: 9.805 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 95 Resp: 392922

Ion	Ratio	Lower	Upper
95	100		
174	59.8	50.6	76.0
175	4.5	3.8	5.6

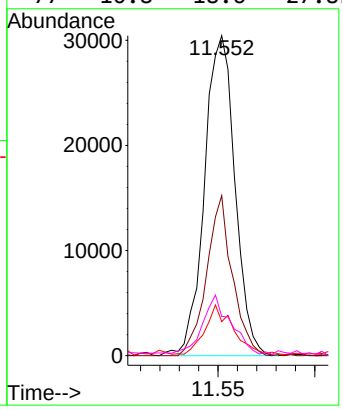




#74
1,2,4-Trimethylbenzene
Concen: 0.381 ppbv
RT: 11.552 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:105 Resp: 3312

Ion	Ratio	Lower	Upper
105	100		
120	50.0	38.6	58.0
91	10.1	46.2	69.2#
77	10.8	18.6	27.8#



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042235.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.428	411	414	415	rBV	3935983	1987717	9.15%	3.373%
2	1.444	418	419	423	rVB	4140634	1905037	8.77%	3.233%
3	1.492	430	434	437	rBV	537892	235265	1.08%	0.399%
4	1.564	452	456	461	rBV	587269	304526	1.40%	0.517%
5	1.729	503	507	513	rBV	521308	297618	1.37%	0.505%
6	1.842	538	542	550	rBV	2025570	1454700	6.70%	2.469%
7	1.894	550	558	569	rBV	1075525	743783	3.43%	1.262%
8	2.803	830	839	846	rBV	734694	774759	3.57%	1.315%
9	2.865	846	858	877	rVB	14361607	21715038	100.00%	36.850%
10	3.784	1130	1142	1158	rVB2	343935	552327	2.54%	0.937%
11	3.981	1190	1203	1216	rBV	946066	1449992	6.68%	2.461%
12	6.962	2109	2124	2141	rVB	125168	244956	1.13%	0.416%
13	8.247	2507	2521	2531	rBV3	383912	639841	2.95%	1.086%
14	8.901	2708	2723	2733	rBV	1231896	1781025	8.20%	3.022%
15	10.393	3167	3184	3194	rBV	1564993	1899839	8.75%	3.224%
16	11.549	3533	3541	3556	rVB5	118576	218696	1.01%	0.371%
17	11.788	3603	3615	3624	rVB	1059928	1286541	5.92%	2.183%
18	12.057	3692	3698	3705	rBV2	330952	338553	1.56%	0.575%
19	12.099	3705	3711	3717	rVV	304086	328846	1.51%	0.558%
20	12.241	3744	3755	3759	rBV	1461255	1635719	7.53%	2.776%
21	12.267	3759	3763	3774	rVB	1326573	1436337	6.61%	2.437%
22	12.452	3807	3820	3826	rVV	841767	1128034	5.19%	1.914%
23	12.526	3835	3843	3849	rBV	428745	458923	2.11%	0.779%
24	12.665	3876	3886	3890	rBV3	396276	504569	2.32%	0.856%
25	13.400	4103	4113	4124	rBV2	11727244	15606125	71.87%	26.483%

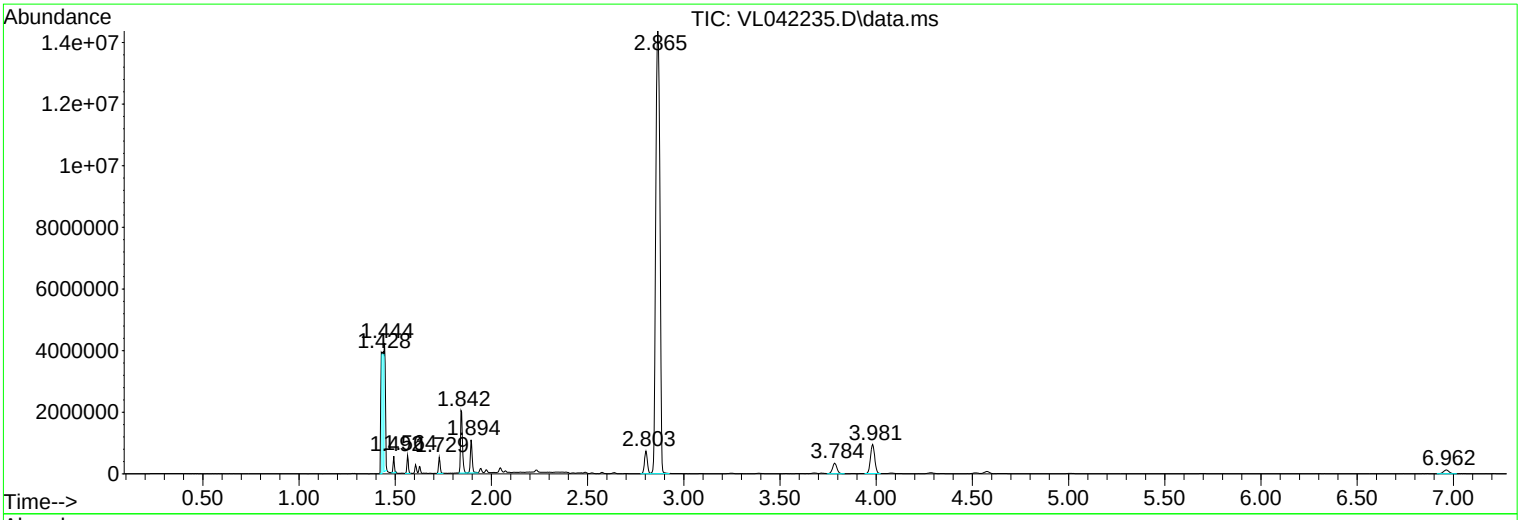
Sum of corrected areas: 58928766

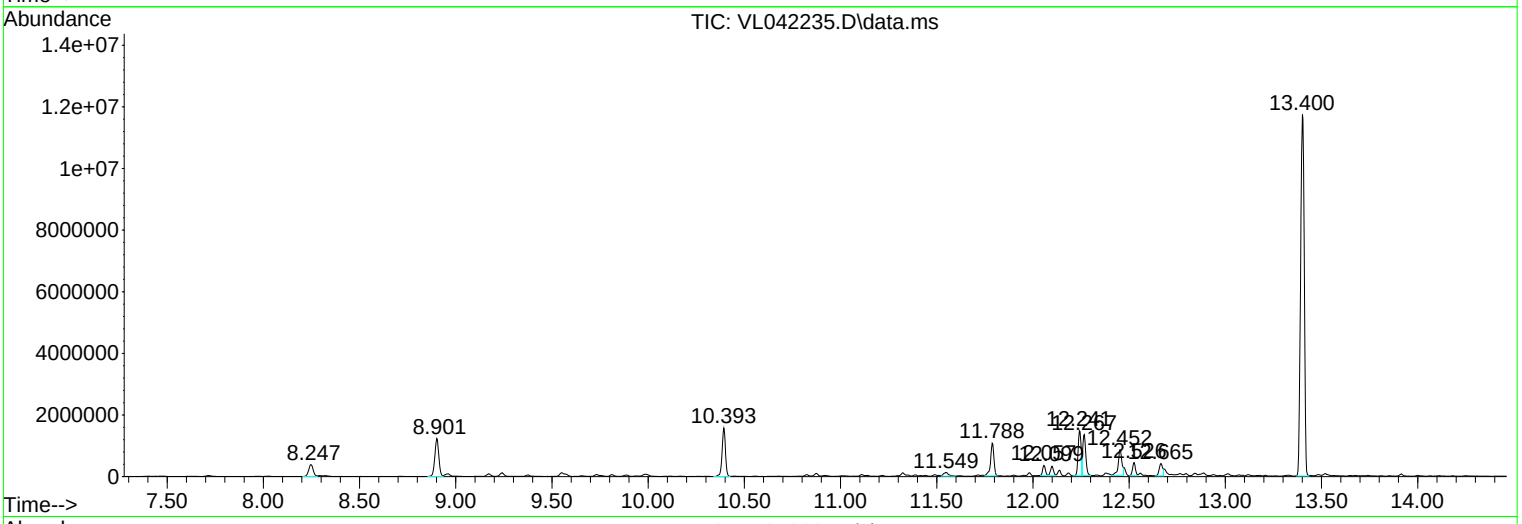
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

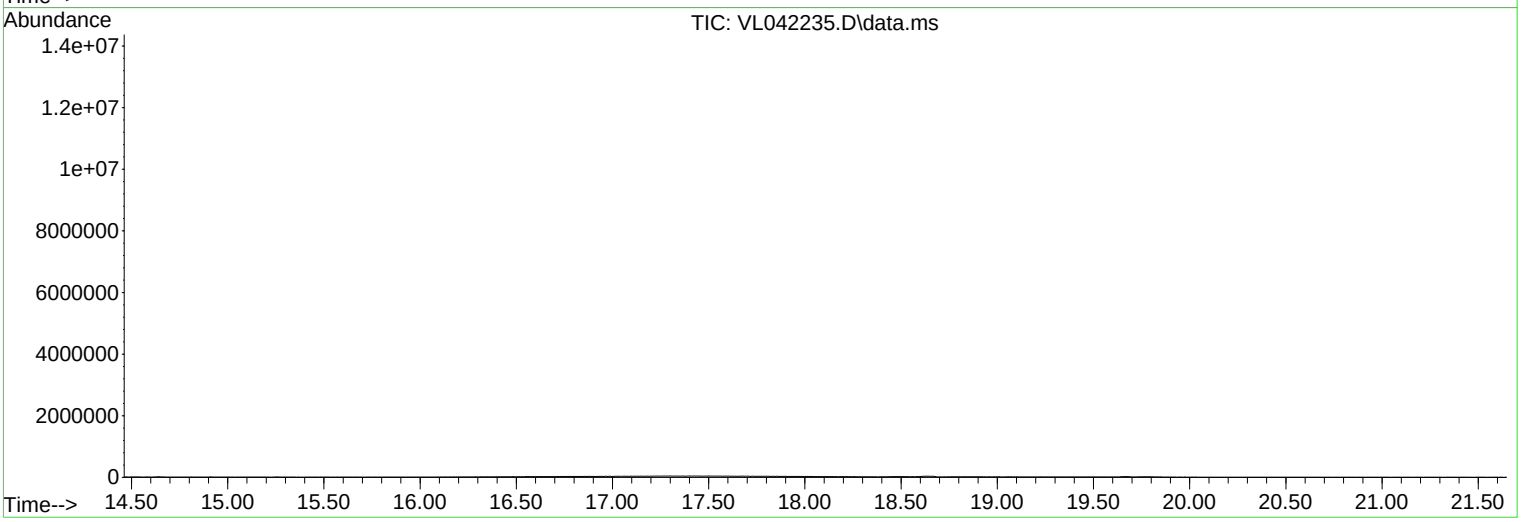
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

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

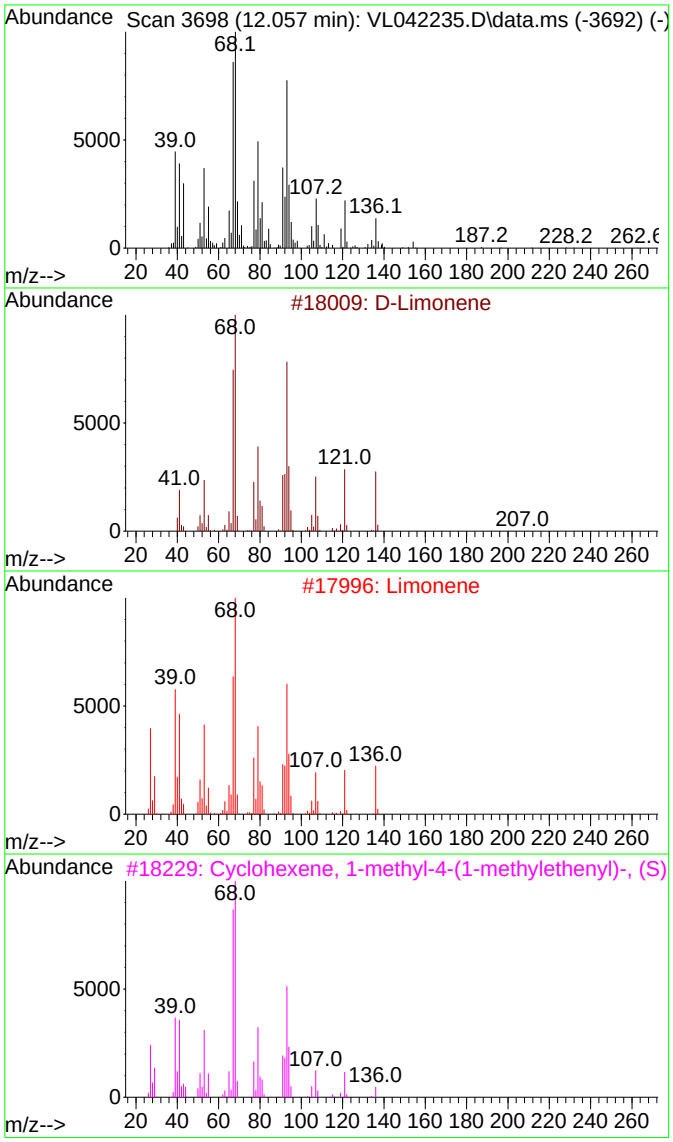
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

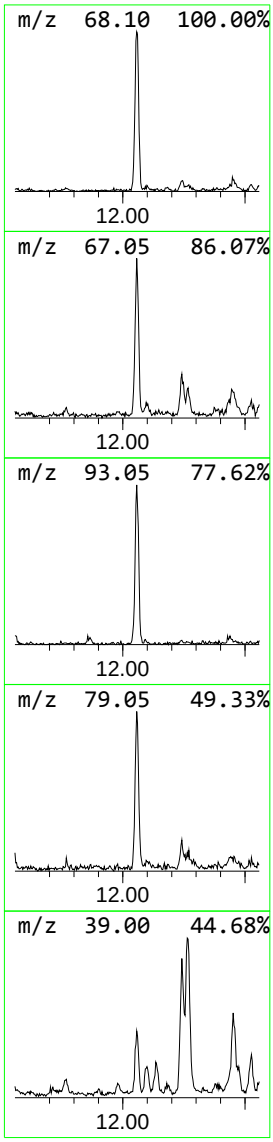
****

Peak Number 3 D-Limonene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	1.90 ppbv	338553	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	96
2	Limonene	136	C10H16	000138-86-3	94
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	94
4	Limonene	136	C10H16	000138-86-3	93
5	D-Limonene	136	C10H16	005989-27-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

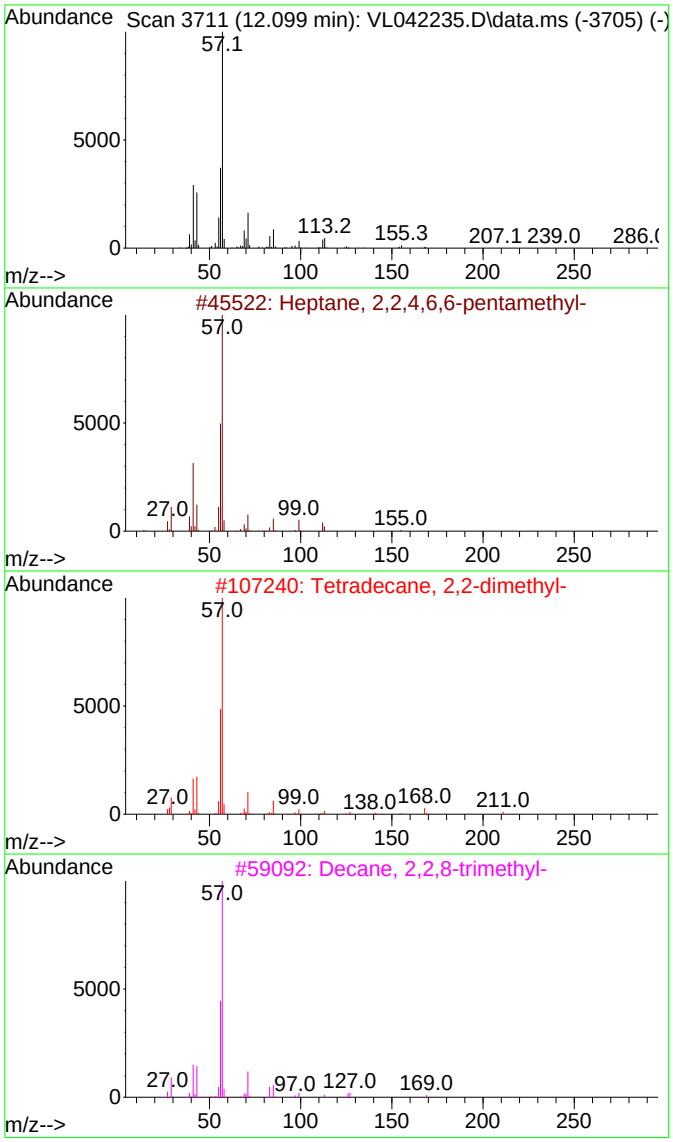
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

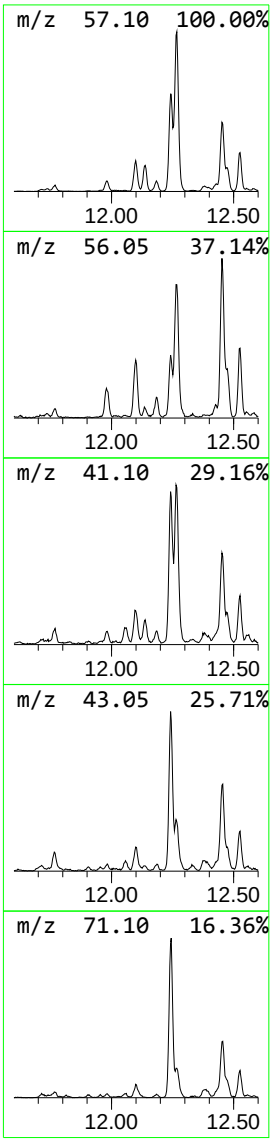
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.099	1.85 ppbv	328846	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
2	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	64
3	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	64
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

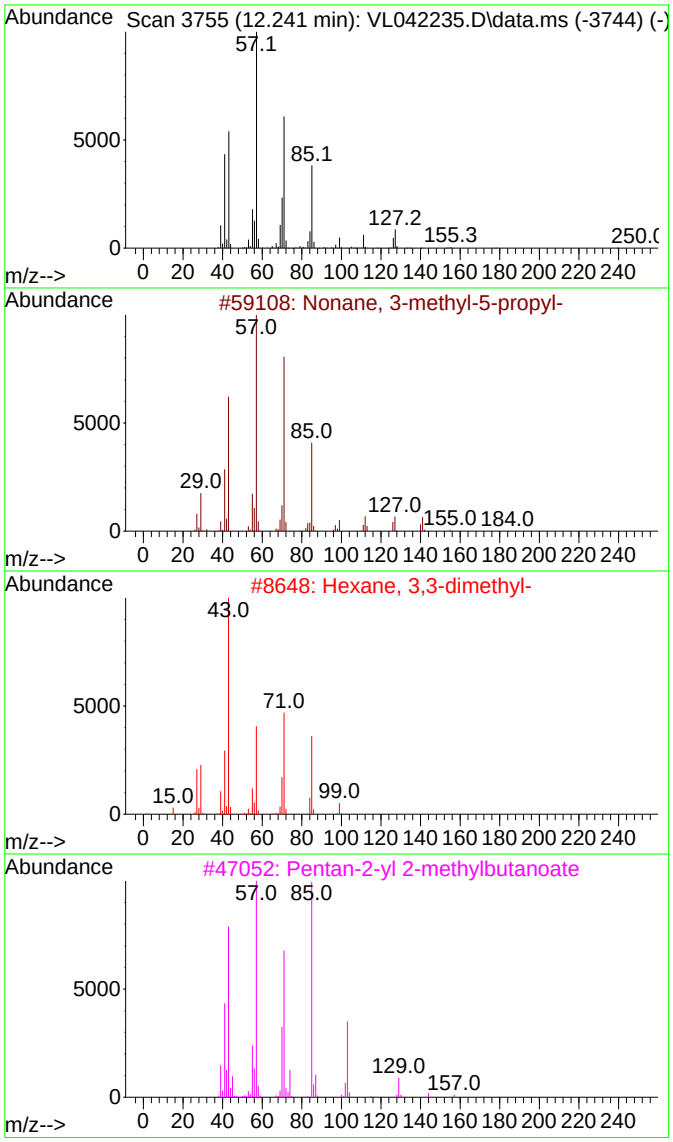
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

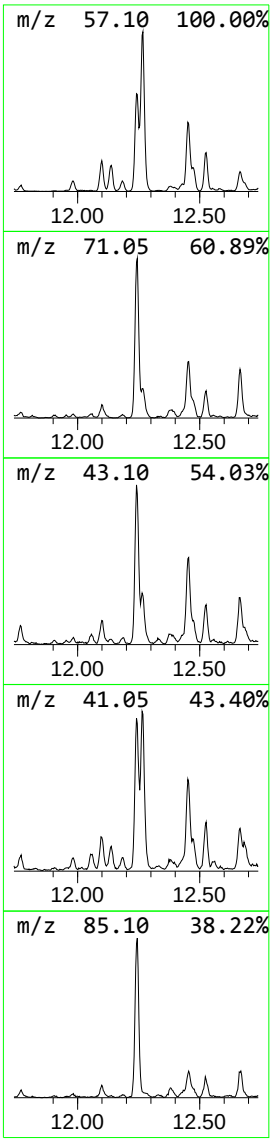
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Nonane, 3-methyl-5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.241	9.18 ppbv	1635720	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	78
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	64
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

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

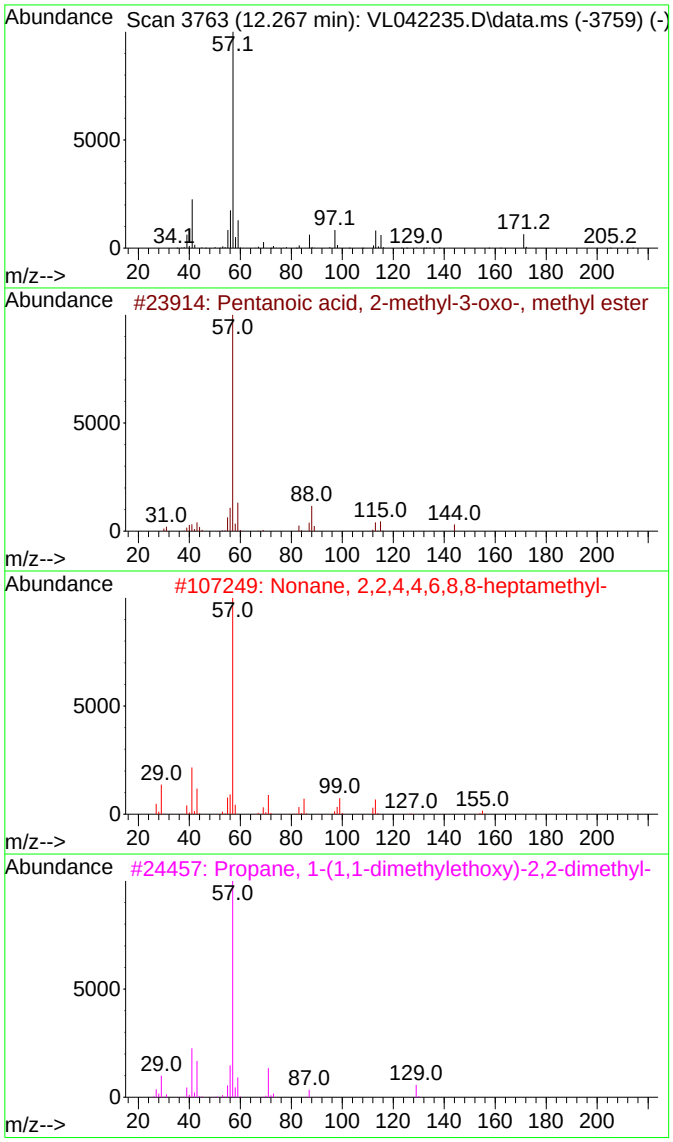
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

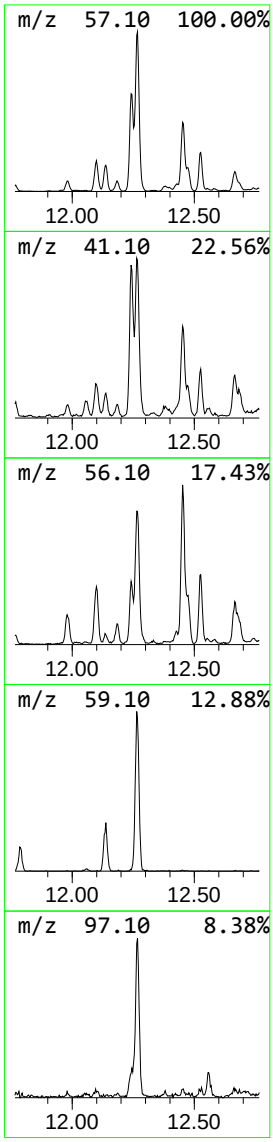
****

Peak Number 6 unknown12.267 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	8.06 ppbv	1436340	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 2-methyl-3-oxo-,...	144	C7H12O3	017422-12-7	45
2	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	43
3	Propane, 1-(1,1-dimethylethoxy)-...	144	C9H20O	032970-46-0	40
4	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	38
5	di-tert-Butyl acetylenedicarboxy...	226	C12H18O4	066086-33-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

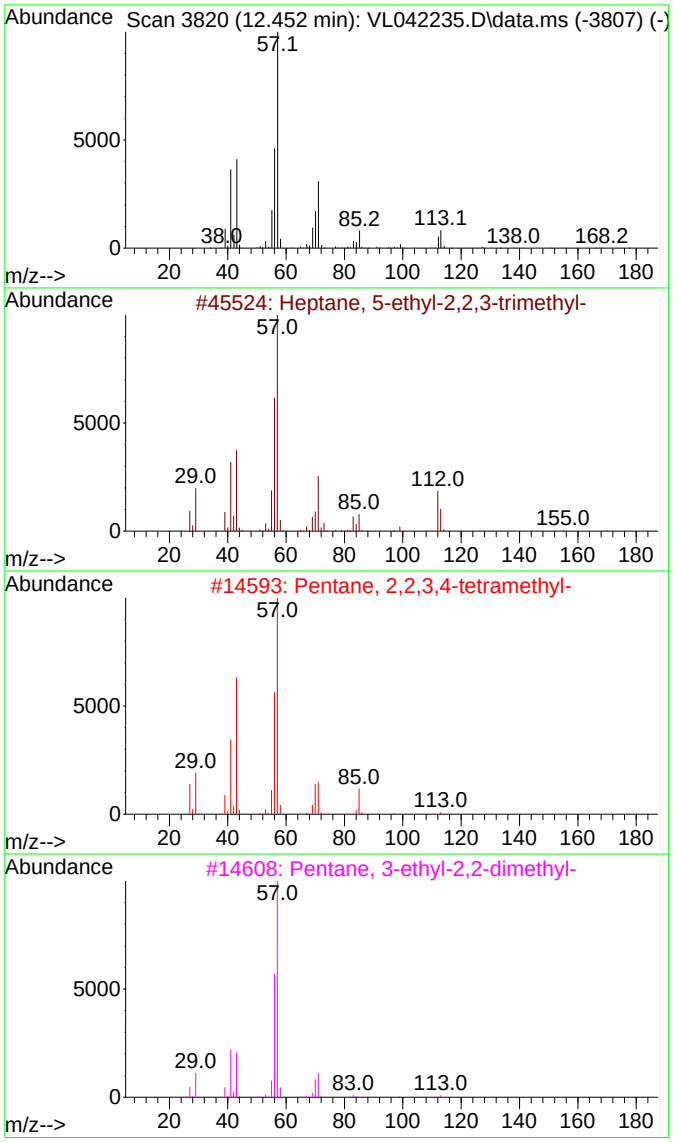
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

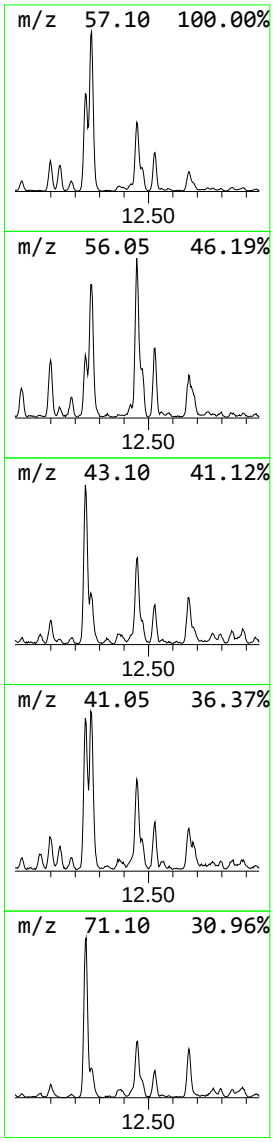
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Heptane, 5-ethyl-2,2,3-trim... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.452	6.33 ppbv	1128030	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 5-ethyl-2,2,3-trimethyl-	170	C12H26	062199-06-8	64
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	59
4	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53
5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

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

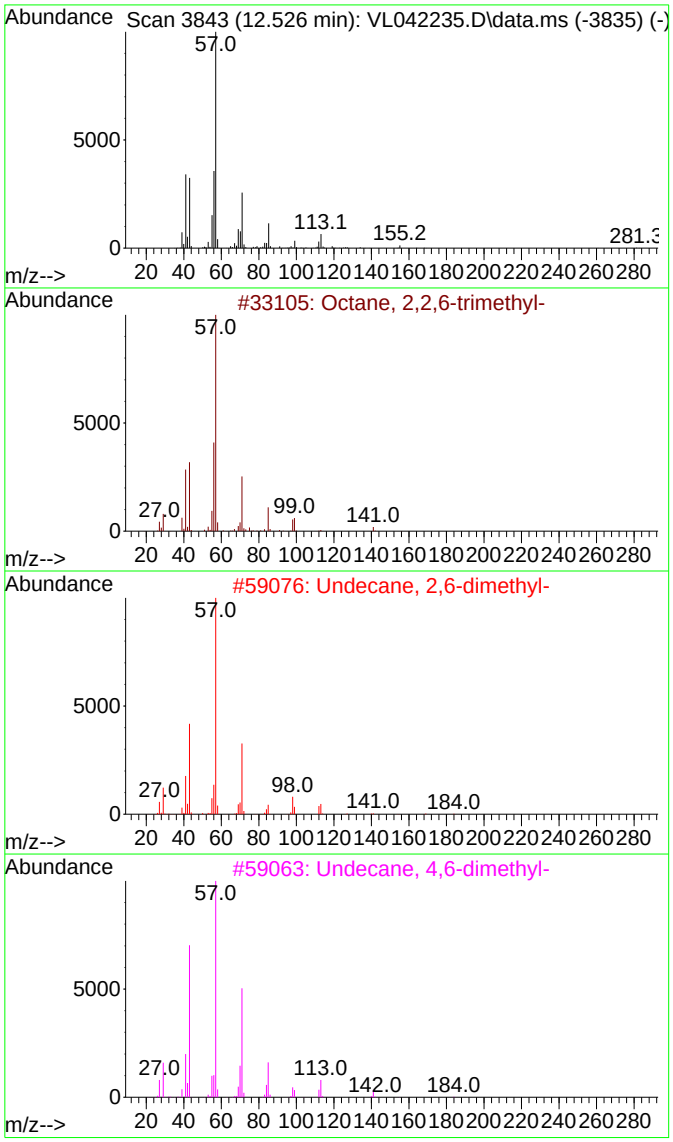
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

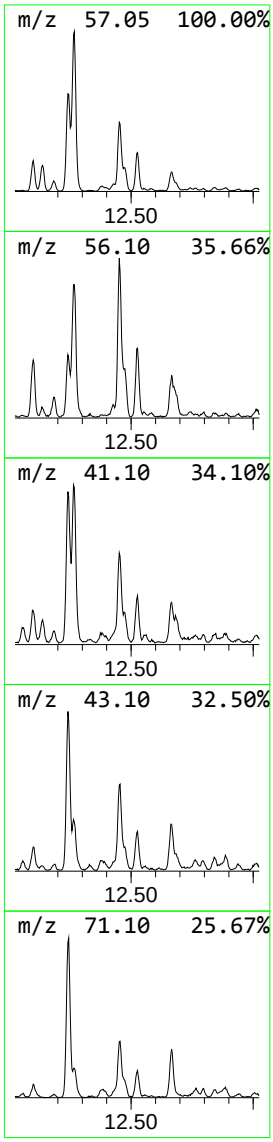
****

Peak Number 8 Octane, 2,2,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.526	2.58 ppbv	458923	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
3	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	59
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	53
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

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

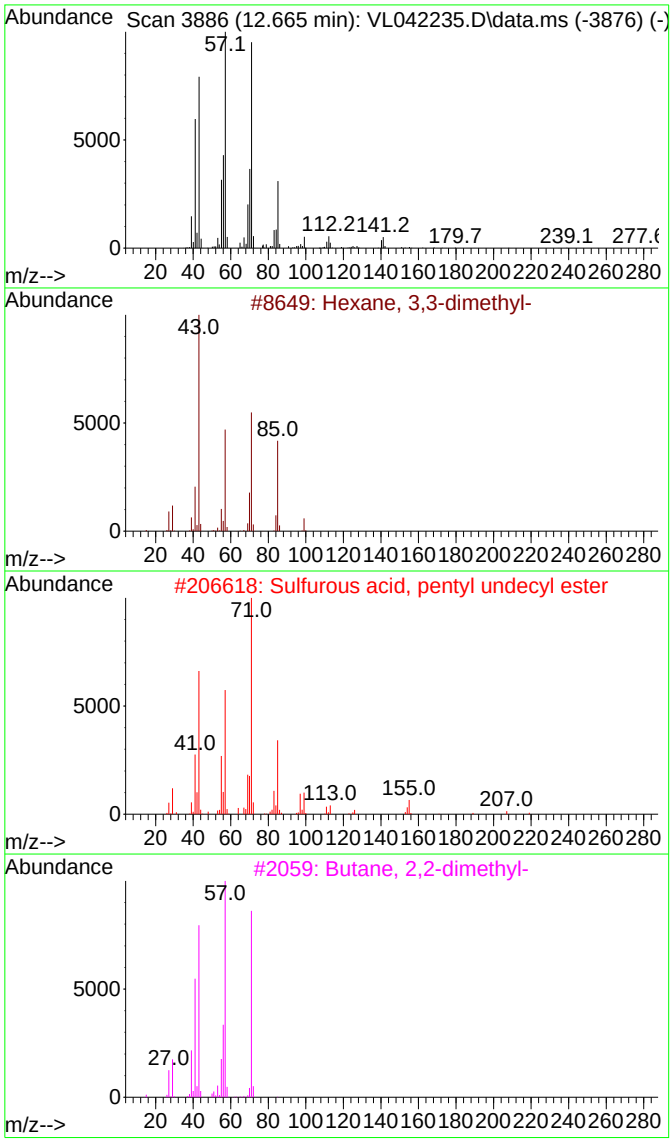
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

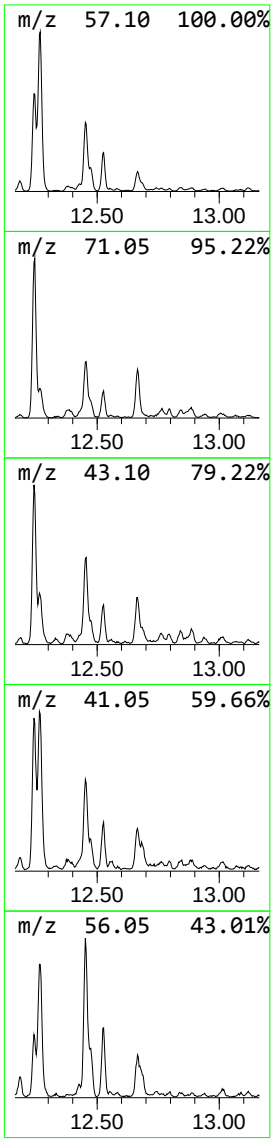
****

Peak Number 9 Hexane, 3,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.665	2.83 ppbv	504569	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	58
2	Sulfurous acid, pentyl undecyl e...	306	C16H34O3S	1000309-14-4	53
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	50
5	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

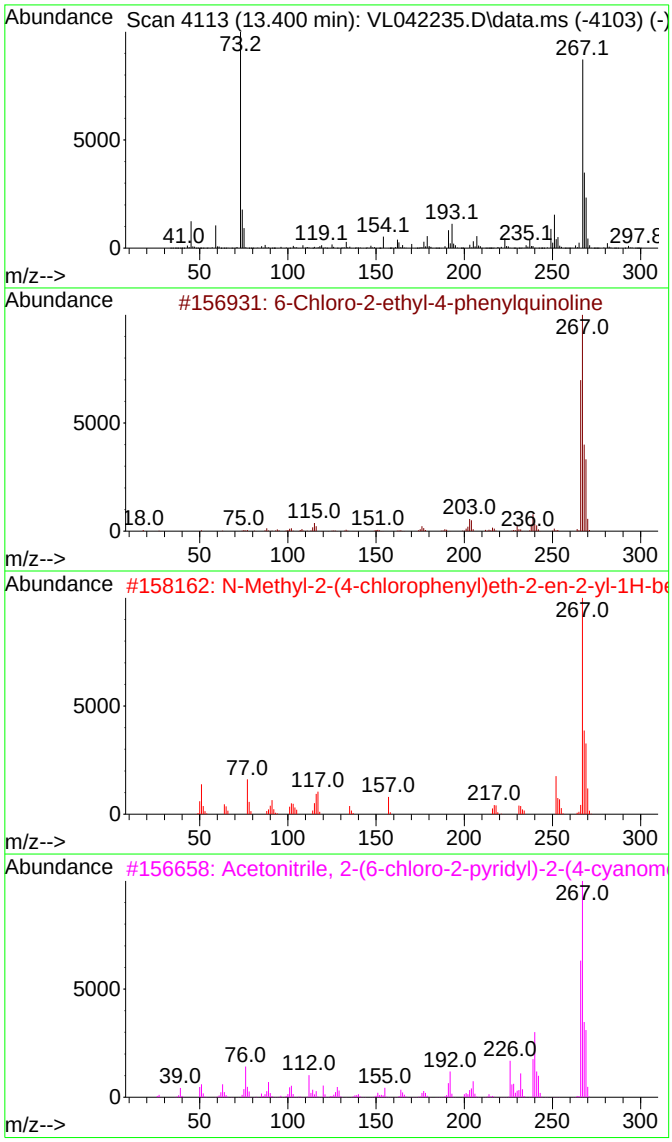
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

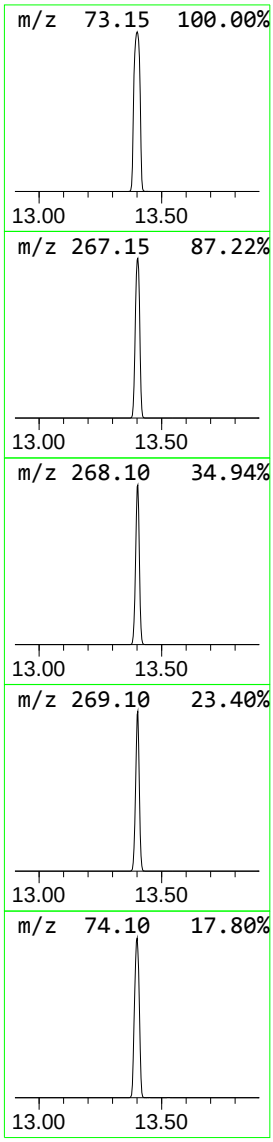
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 6-Chloro-2-ethyl-4-phenylqu... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.400	87.62 ppbv	15606100	Chlorobenzene-d5	8.901

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Chloro-2-ethyl-4-phenylquinoline	267	C17H14ClN	022609-10-5	52
2	N-Methyl-2-(4-chlorophenyl)eth-2...	268	C16H13ClN2	002562-96-1	50
3	Acetonitrile, 2-(6-chloro-2-pyri...	267	C15H10ClN3	1000162-41-0	50
4	4-(4-Fluorophenyl)-2,3-dihydro-1...	267	C12H14FNOSSi	1010501-61-0	50
5	Propenone, 1-(4-nitrophenyl)-3-p...	268	C15H12N2O3	1000302-96-9	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
D-Limonene	12.057	1.9	ppbv	338553	3	8.901	1781030	10.0
Heptane, 2,2,4,...	12.099	1.9	ppbv	328846	3	8.901	1781030	10.0
Nonane, 3-methy...	12.241	9.2	ppbv	1635720	3	8.901	1781030	10.0
unknown12.267	12.267	8.1	ppbv	1436340	3	8.901	1781030	10.0
Heptane, 5-ethy...	12.452	6.3	ppbv	1128030	3	8.901	1781030	10.0
Octane, 2,2,6-t...	12.526	2.6	ppbv	458923	3	8.901	1781030	10.0
Hexane, 3,3-dim...	12.665	2.8	ppbv	504569	3	8.901	1781030	10.0
6-Chloro-2-ethy...	13.400	87.6	ppbv	15606100	3	8.901	1781030	10.0

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042236.D	10		04/07/25 17:44	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.10	10.4	UD	10.4	24.7	ug/m3
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.14	0.36	UD	0.36	0.77	ug/m3
74-83-9	Bromomethane	1.40	5.44	UD	5.44	19.4	ug/m3
75-00-3	Chloroethane	1.70	4.49	UD	4.49	13.2	ug/m3
109-99-9	Tetrahydrofuran	1.30	3.83	UD	3.83	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.60	8.99	UD	8.99	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	12.3	UD	12.3	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.88	6.15	UD	6.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.90	5.76	UD	5.76	15.2	ug/m3
142-82-5	Heptane	1.10	4.51	UD	4.51	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.60	6.34	JD	5.55	19.8	ug/m3
67-64-1	Acetone	33.9	80.5	D	5.70	11.9	ug/m3
75-15-0	Carbon Disulfide	1.60	4.98	UD	4.98	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1.20	4.33	UD	4.33	18.0	ug/m3
75-09-2	Methylene Chloride	2.50	8.69	JD	6.60	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.90	7.53	UD	7.53	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	1.20	3.54	UD	3.54	14.8	ug/m3
56-23-5	Carbon Tetrachloride	3.30	20.8	D	0.69	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.89	3.53	UD	3.53	19.8	ug/m3
67-66-3	Chloroform	400	1950	ED	4.05	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.10	0.55	UD	0.55	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.00	4.67	UD	4.67	23.4	ug/m3
71-43-2	Benzene	0.87	2.78	UD	2.78	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.91	3.68	UD	3.68	20.2	ug/m3
79-01-6	Trichloroethene	0.98	5.27	D	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.10	5.08	UD	5.08	23.1	ug/m3
75-27-4	Bromodichloromethane	0.77	5.16	UD	5.16	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.93	3.81	UD	3.81	20.5	ug/m3
108-88-3	Toluene	1.20	4.52	JD	4.15	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.60	2.72	UD	2.72	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.64	2.91	UD	2.91	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.71	3.87	UD	3.87	27.3	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042236.D	10		04/07/25 17:44	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.66	5.62	UD	5.62	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.72	5.53	UD	5.53	7.69	ug/m3
127-18-4	Tetrachloroethene	2.90	19.7	D	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.76	3.50	UD	3.50	23.0	ug/m3
100-41-4	Ethyl Benzene	1.20	5.21	UD	5.21	21.7	ug/m3
179601-23-1	m/p-Xylene	2.10	9.12	UD	9.12	43.4	ug/m3
95-47-6	o-Xylene	1.20	5.21	UD	5.21	21.7	ug/m3
100-42-5	Styrene	1.10	4.68	UD	4.68	21.3	ug/m3
75-25-2	Bromoform	0.57	5.89	UD	5.89	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.11	0.76	UD	0.76	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.10	5.70	UD	5.70	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.10	5.41	UD	5.41	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.78	3.83	UD	3.83	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.80	4.81	UD	4.81	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	0.53	3.19	UD	3.19	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	0.75	4.51	UD	4.51	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.85	6.31	UD	6.31	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.85	9.07	UD	9.07	53.3	ug/m3
106-99-0	1,3-Butadiene	1.30	2.88	UD	2.88	11.1	ug/m3
91-20-3	Naphthalene	0.75	3.93	UD	3.93	5.24	ug/m3
622-96-8	4-Ethyltoluene	1.20	5.90	UD	5.90	24.6	ug/m3
110-54-3	Hexane	1.10	3.88	UD	3.88	17.6	ug/m3
107-05-1	Allyl Chloride	1.50	4.70	UD	4.70	15.7	ug/m3
123-91-1	1,4-Dioxane	2.10	7.57	UD	7.57	18.0	ug/m3
80-62-6	Methyl Methacrylate	0.86	3.52	UD	3.52	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.50			70 (65) - 130 (135)	95%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	204000		2.803			
540-36-3	1,4-Difluorobenzene	532000		3.981			
3114-55-4	Chlorobenzene-d5	458000		8.904			

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042236.D	10		04/07/25 17:44	VL040725

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\VL040725\
Data File : VL042236.D
Acq On : 07 Apr 2025 17:44
Operator : SY/MD
Sample : Q1725-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:33:17 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	203982	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	532301	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	458285	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	357544	9.500	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.000%			
Target Compounds						Qvalue
13) Ethanol	1.729	45	17823	13.369	ppbv	# 27
15) Acetone	1.845	43	96697	3.390	ppbv	94
18) 1,1-Dichloroethene	2.042	96	1841	0.163	ppbv	99
19) Isopropyl Alcohol	1.897	45	46008	2.858	ppbv	88
20) Methylene Chloride	2.072	84	2645m	0.249	ppbv	
29) Chloroform	2.865	83	1667671	39.844	ppbv	93
35) Carbon Tetrachloride	3.787	117	13908m	0.334	ppbv	
38) Trichloroethene	4.574	130	2161m	0.098	ppbv	
52) Tetrachloroethene	8.244	164	5959m	0.285	ppbv	
53) Toluene	6.962	91	7236m	0.116	ppbv	

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

Quantitation Report (QT Reviewed)

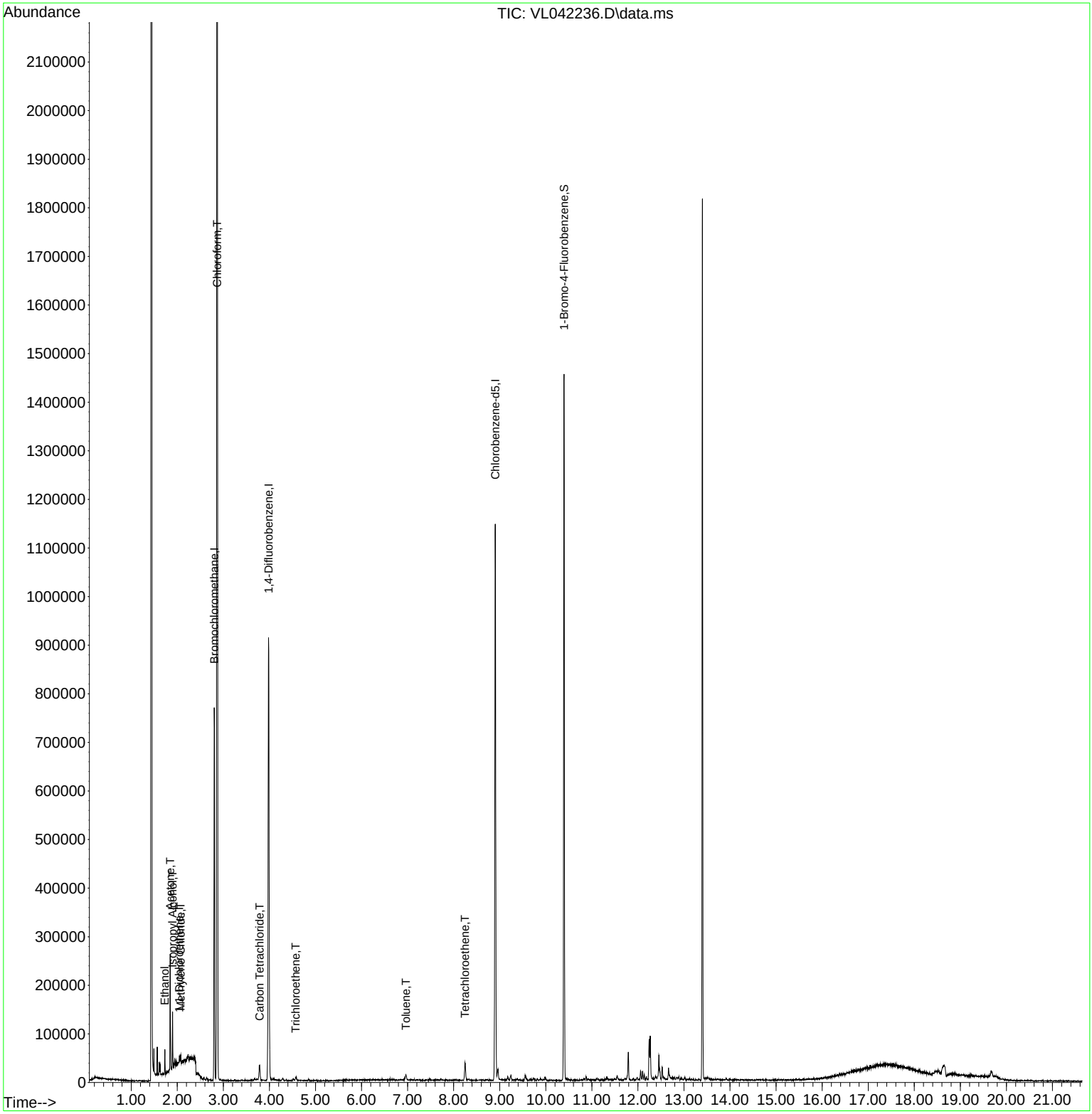
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042236.D
Acq On : 07 Apr 2025 17:44
Operator : SY/MD
Sample : Q1725-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

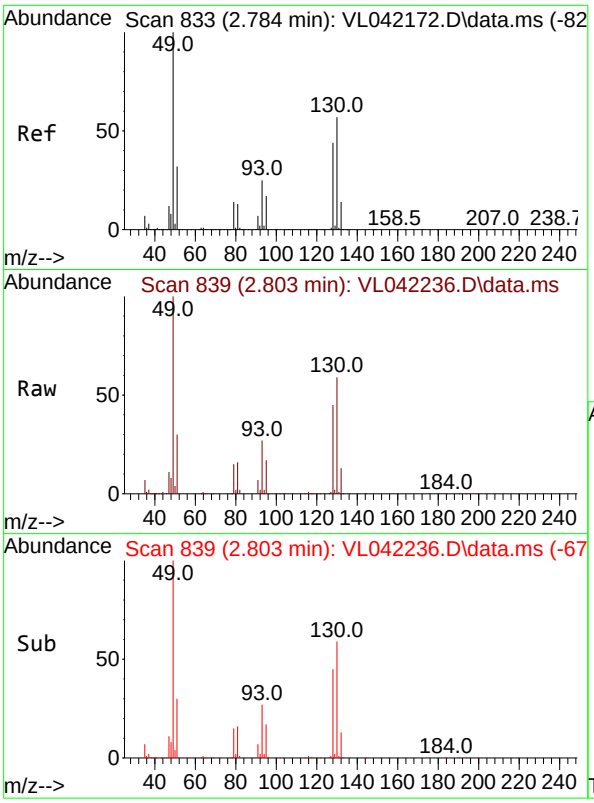
Quant Time: Apr 08 01:33:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

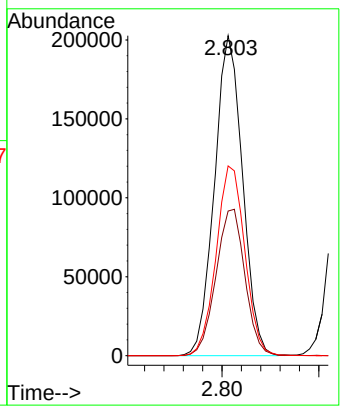




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 49 Resp: 20398

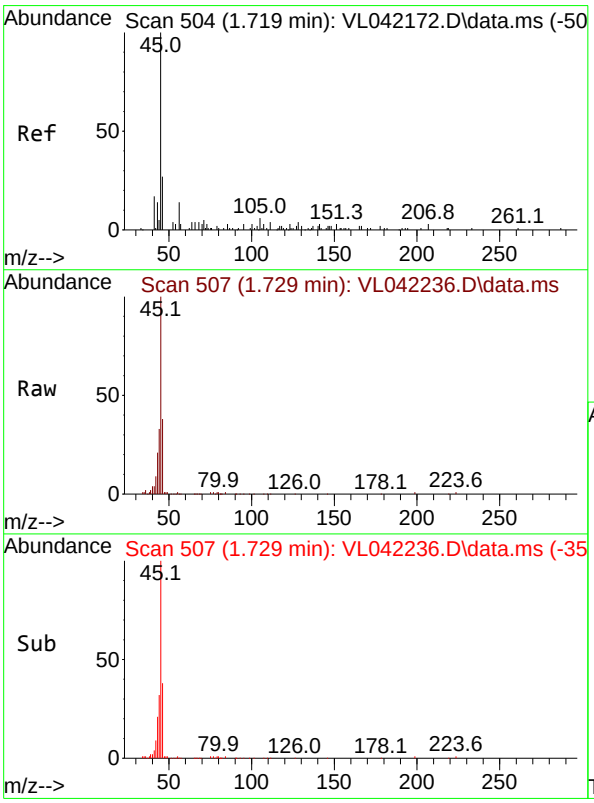
Ion	Ratio	Lower	Upper
49	100		
128	47.3	22.9	68.5
130	60.7	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations
APPROVED

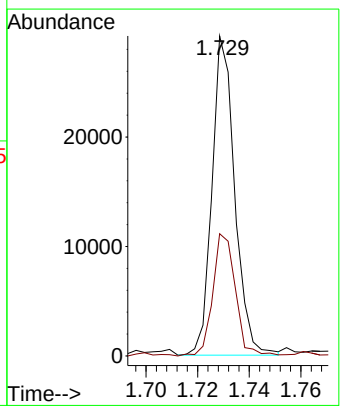
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

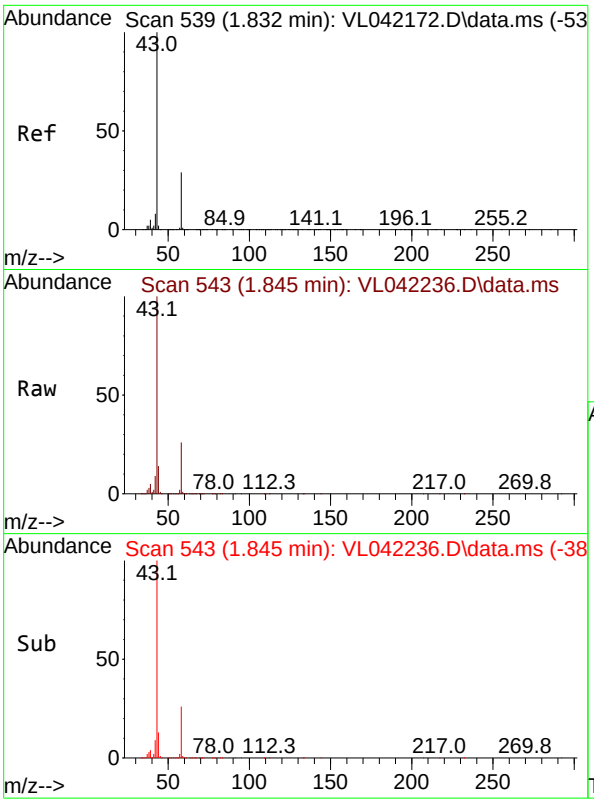


#13
Ethanol
Concen: 13.369 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.009 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 45 Resp: 17823

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#





#15
Acetone
Concen: 3.390 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 43 Resp: 9669

Ion	Ratio	Lower	Upper
43	100		
58	25.7	23.2	34.8

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations
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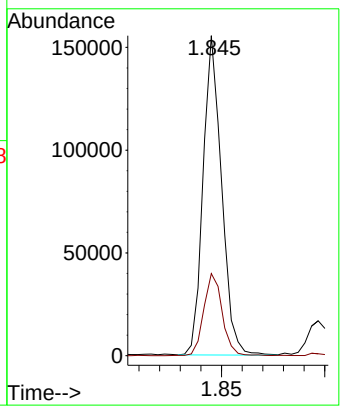
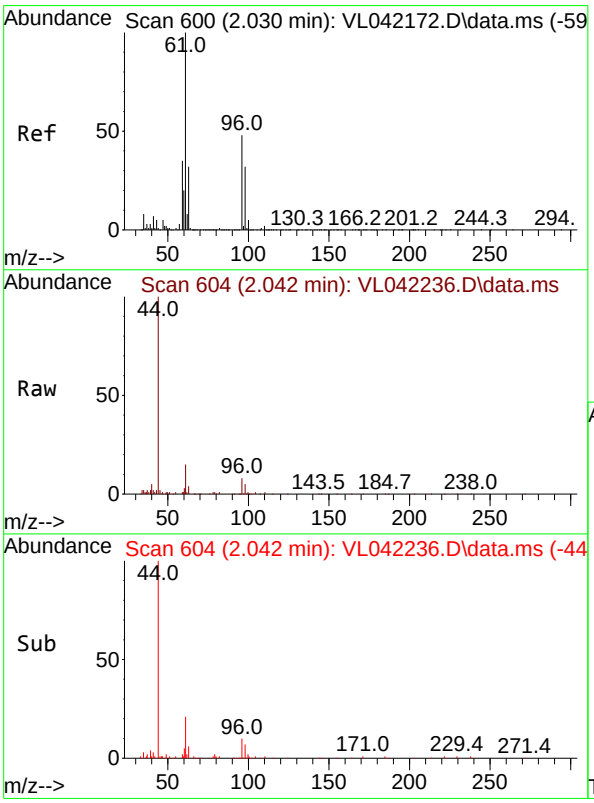
Supervised By :Mahesh Dadoda 04/09/2025

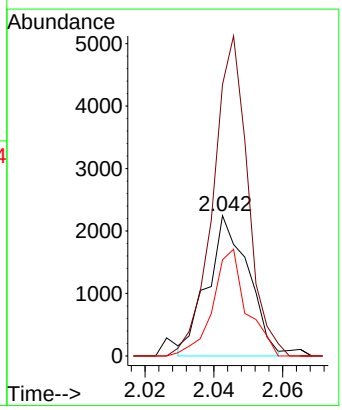


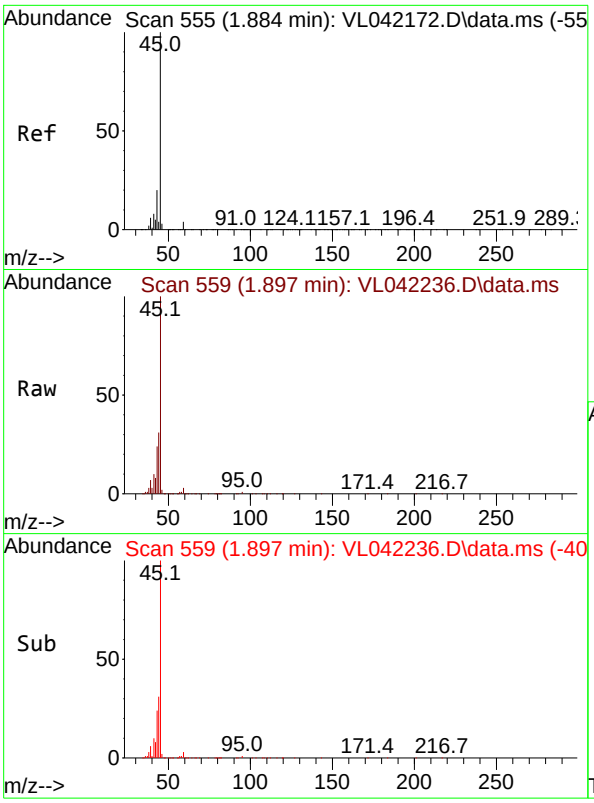


#18
1,1-Dichloroethene
Concen: 0.163 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 96 Resp: 1841

Ion	Ratio	Lower	Upper
96	100		
61	209.1	167.6	251.4
98	70.8	53.5	80.3

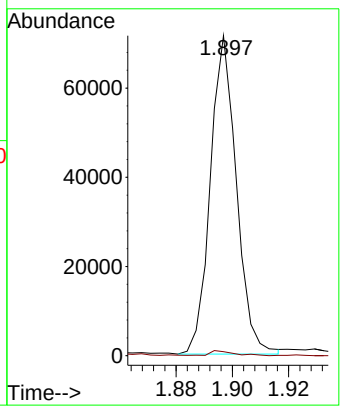




#19
Isopropyl Alcohol
Concen: 2.858 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 45 Resp: 4600

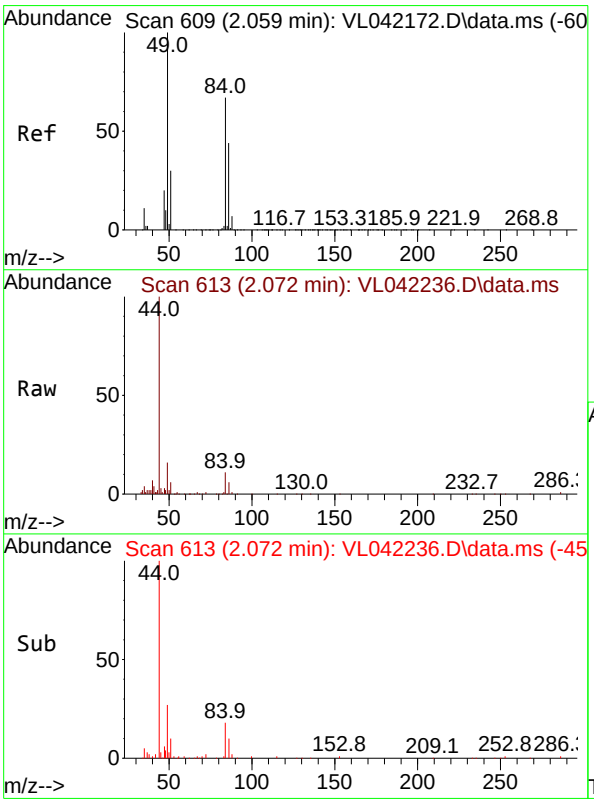
Ion	Ratio	Lower	Upper
45	100		
58	54.2	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations
APPROVED

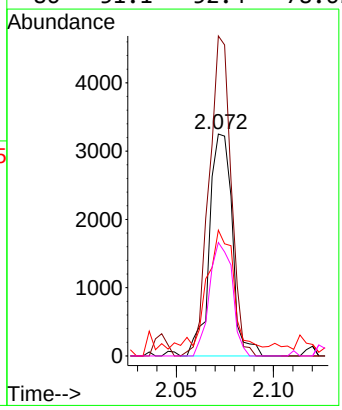
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

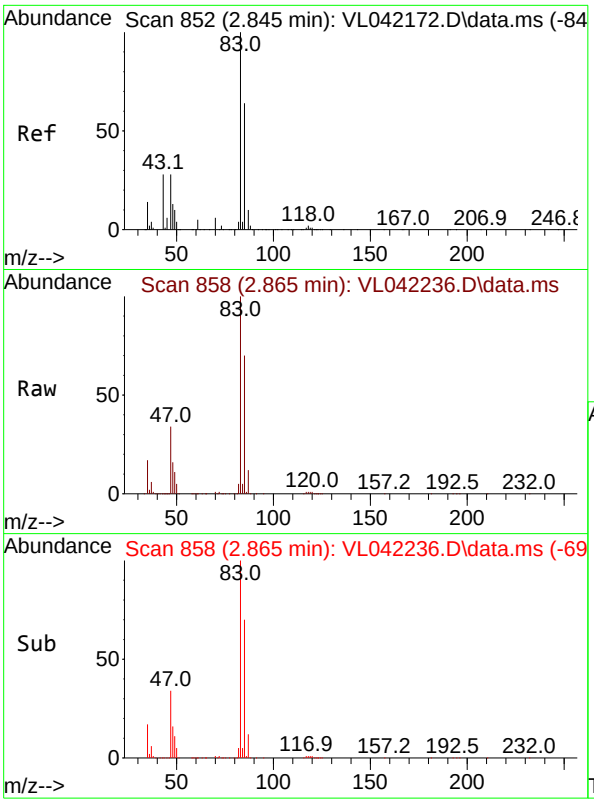


#20
Methylene Chloride
Concen: 0.249 ppbv m
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 84 Resp: 2645

Ion	Ratio	Lower	Upper
84	100		
49	144.2	120.2	180.4
51	56.7	37.4	56.0#
86	51.1	52.4	78.6#





#29
Chloroform
Concen: 39.844 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 83 Resp: 166767

Ion	Ratio	Lower	Upper
83	100		
85	69.7	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations
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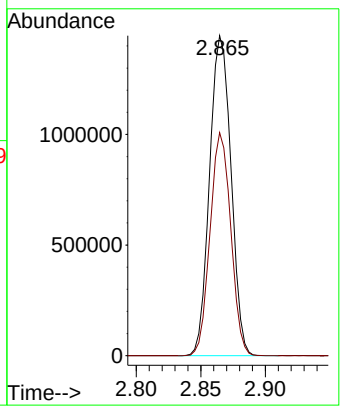
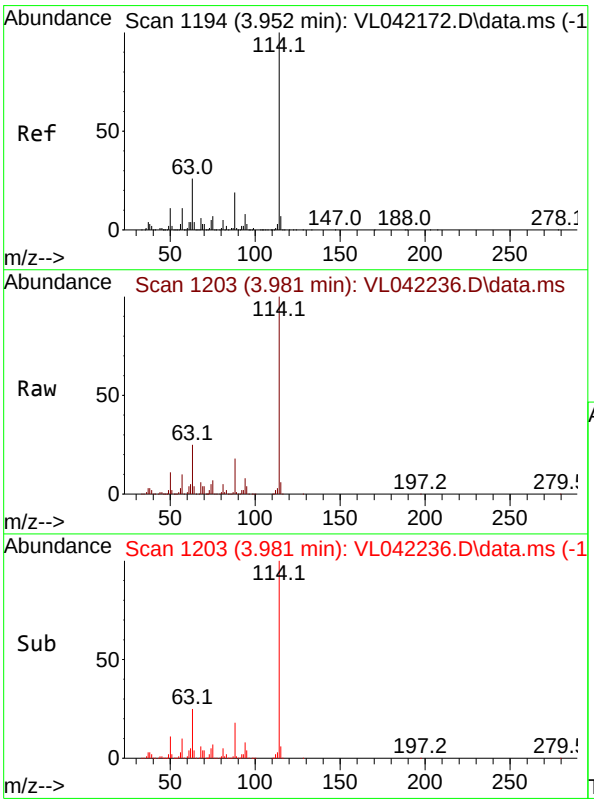
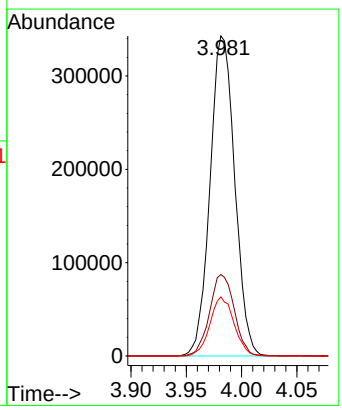


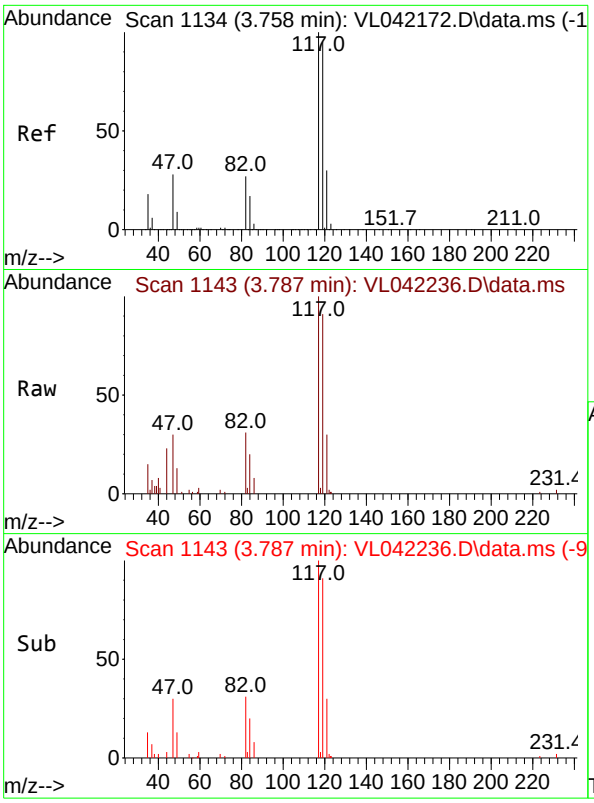


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.029 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion:114 Resp: 532301

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.7	31.1
88	17.9	15.0	22.4

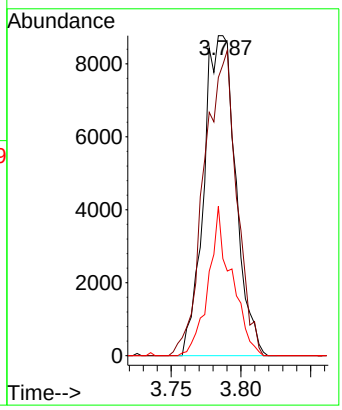




#35
Carbon Tetrachloride
Concen: 0.334 ppbv m
RT: 3.787 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion:117 Resp: 1390

Ion	Ratio	Lower	Upper
117	100		
119	90.9	76.2	114.2
121	30.4	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations
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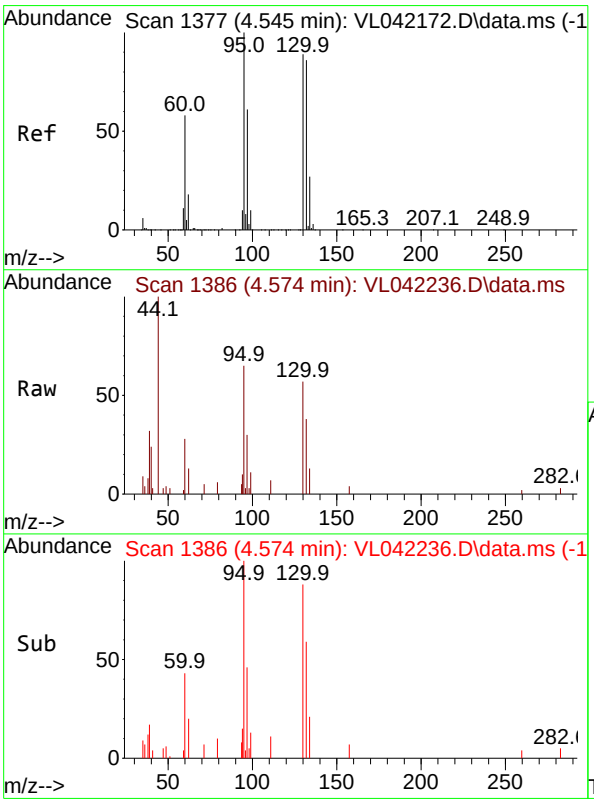
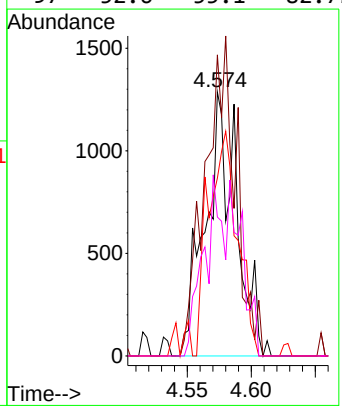
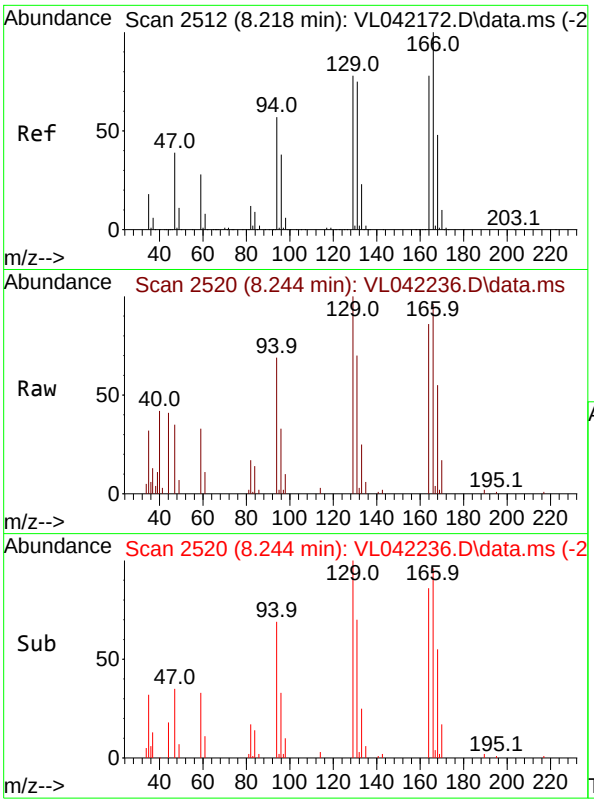


#38
Trichloroethene
Concen: 0.098 ppbv m
RT: 4.574 min Scan# 1386
Delta R.T. 0.029 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion:130 Resp: 2161

Ion	Ratio	Lower	Upper
130	100		
95	114.2	89.8	134.8
132	67.4	77.4	116.2#
97	52.6	55.1	82.7#

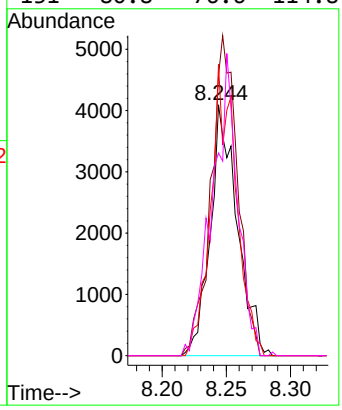




#52
Tetrachloroethene
Concen: 0.285 ppbv m
RT: 8.244 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion:164 Resp: 595

Ion	Ratio	Lower	Upper
164	100		
166	111.7	102.5	153.7
129	116.1	79.8	119.8
131	80.8	76.6	114.8



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations
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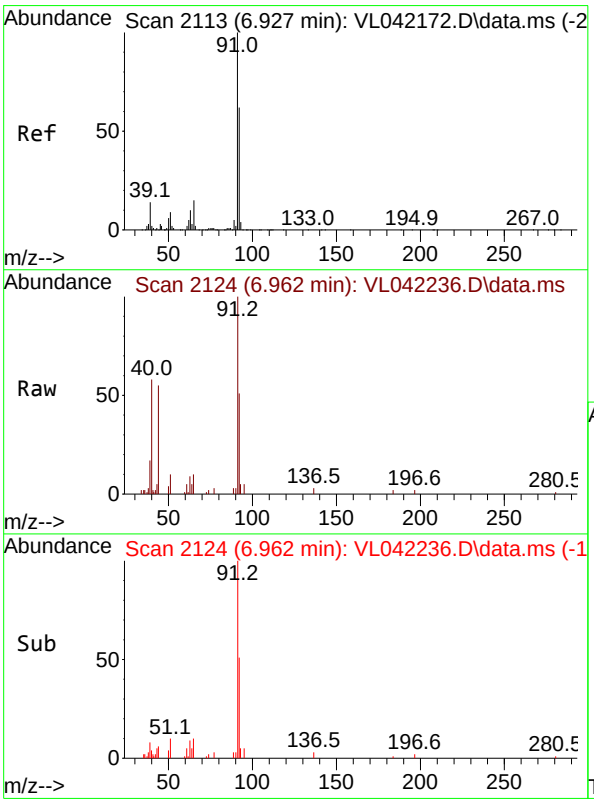
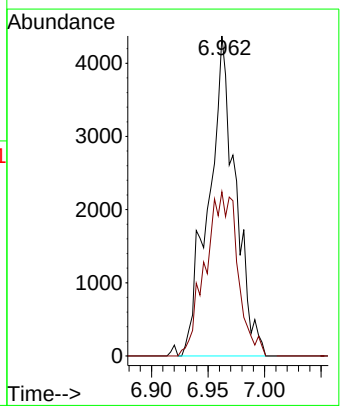
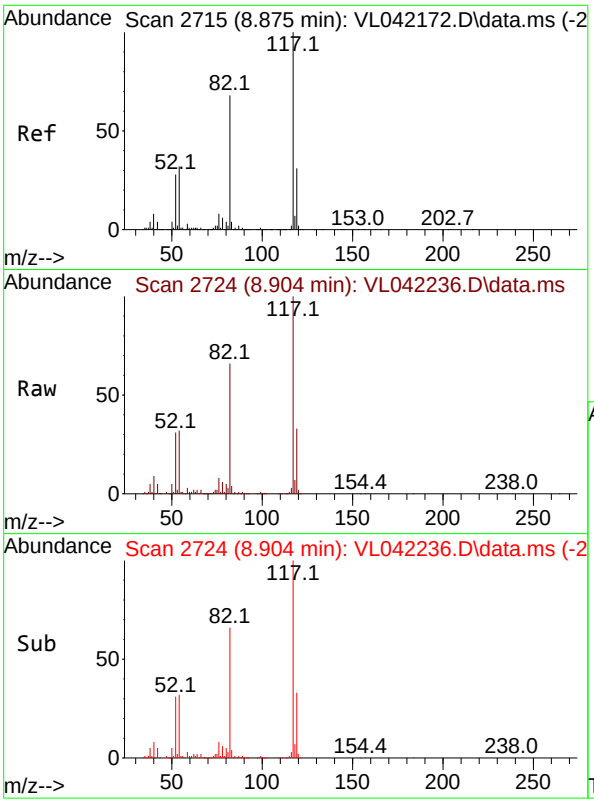


#53
Toluene
Concen: 0.116 ppbv m
RT: 6.962 min Scan# 2124
Delta R.T. 0.035 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 91 Resp: 7236

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion:117 Resp: 45828

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.7	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Manual Integrations
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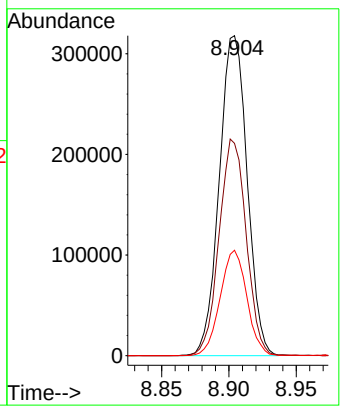
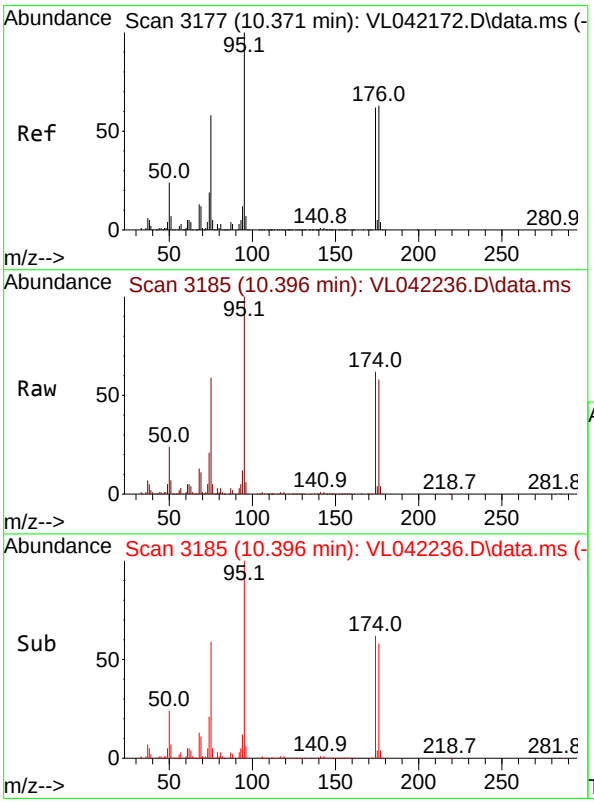
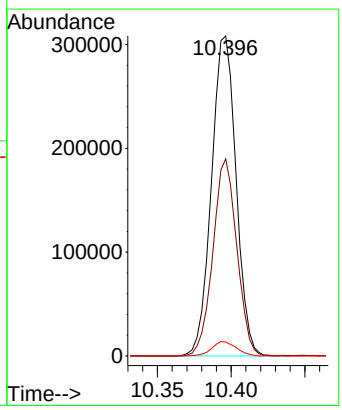




#68
1-Bromo-4-Fluorobenzene
Concen: 9.500 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 95 Resp: 357544

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.5	3.8	5.6



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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025DL2	SDG No.:	Q1725
Lab Sample ID:	Q1725-02DL2	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
VL042243.D	40		04/07/25 21:38	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	8.40	41.5	UD	41.5	98.9	ug/m3
74-87-3	Chloromethane	3.90	8.05	UD	8.05	41.3	ug/m3
75-01-4	Vinyl Chloride	0.56	1.43	UD	1.43	3.07	ug/m3
74-83-9	Bromomethane	5.60	21.7	UD	21.7	77.7	ug/m3
75-00-3	Chloroethane	6.80	17.9	UD	17.9	52.8	ug/m3
109-99-9	Tetrahydrofuran	5.20	15.3	UD	15.3	59.0	ug/m3
75-69-4	Trichlorofluoromethane	6.40	36.0	UD	36.0	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	6.40	49.0	UD	49.0	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	3.50	24.5	UD	24.5	140	ug/m3
75-65-0	tert-Butyl alcohol	7.60	23.0	UD	23.0	60.6	ug/m3
142-82-5	Heptane	4.40	18.0	UD	18.0	82.0	ug/m3
75-35-4	1,1-Dichloroethene	5.60	22.2	UD	22.2	79.3	ug/m3
67-64-1	Acetone	42.5	101	D	22.8	47.5	ug/m3
75-15-0	Carbon Disulfide	6.40	19.9	UD	19.9	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	4.80	17.3	UD	17.3	72.1	ug/m3
75-09-2	Methylene Chloride	7.60	26.4	UD	26.4	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	7.60	30.1	UD	30.1	79.3	ug/m3
75-34-3	1,1-Dichloroethane	5.20	21.1	UD	21.1	81.0	ug/m3
110-82-7	Cyclohexane	8.80	30.3	UD	30.3	68.8	ug/m3
78-93-3	2-Butanone	4.80	14.2	UD	14.2	59.0	ug/m3
56-23-5	Carbon Tetrachloride	0.44	2.77	UD	2.77	7.55	ug/m3
156-59-2	cis-1,2-Dichloroethene	3.60	14.3	UD	14.3	79.3	ug/m3
67-66-3	Chloroform	480	2340	D	16.1	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	0.38	2.07	UD	2.07	6.55	ug/m3
540-84-1	2,2,4-Trimethylpentane	4.00	18.7	UD	18.7	93.4	ug/m3
71-43-2	Benzene	3.50	11.2	UD	11.2	63.9	ug/m3
107-06-2	1,2-Dichloroethane	3.60	14.6	UD	14.6	81.0	ug/m3
79-01-6	Trichloroethene	0.68	3.65	UD	3.65	6.45	ug/m3
78-87-5	1,2-Dichloropropane	4.40	20.3	UD	20.3	92.4	ug/m3
75-27-4	Bromodichloromethane	3.10	20.8	UD	20.8	134	ug/m3
108-10-1	4-Methyl-2-Pentanone	3.70	15.2	UD	15.2	82.0	ug/m3
108-88-3	Toluene	4.40	16.6	UD	16.6	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	2.40	10.9	UD	10.9	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	2.60	11.8	UD	11.8	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	2.80	15.3	UD	15.3	109	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025DL2	SDG No.:	Q1725
Lab Sample ID:	Q1725-02DL2	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
VL042243.D	40		04/07/25 21:38	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	2.60	22.1	UD	22.1	170	ug/m3
106-93-4	1,2-Dibromoethane	2.90	22.3	UD	22.3	30.7	ug/m3
127-18-4	Tetrachloroethene	0.60	4.07	UD	4.07	8.14	ug/m3
108-90-7	Chlorobenzene	3.00	13.8	UD	13.8	92.1	ug/m3
100-41-4	Ethyl Benzene	4.80	20.9	UD	20.9	86.9	ug/m3
179601-23-1	m/p-Xylene	8.40	36.5	UD	36.5	174	ug/m3
95-47-6	o-Xylene	4.80	20.9	UD	20.9	86.9	ug/m3
100-42-5	Styrene	4.40	18.7	UD	18.7	85.2	ug/m3
75-25-2	Bromoform	2.30	23.8	UD	23.8	207	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.44	3.02	UD	3.02	8.24	ug/m3
95-49-8	2-Chlorotoluene	4.40	22.8	UD	22.8	104	ug/m3
108-67-8	1,3,5-Trimethylbenzene	4.40	21.6	UD	21.6	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	3.10	15.2	UD	15.2	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	3.20	19.2	UD	19.2	120	ug/m3
106-46-7	1,4-Dichlorobenzene	2.10	12.6	UD	12.6	120	ug/m3
95-50-1	1,2-Dichlorobenzene	3.00	18.0	UD	18.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	3.40	25.2	UD	25.2	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	3.40	36.3	UD	36.3	213	ug/m3
106-99-0	1,3-Butadiene	5.20	11.5	UD	11.5	44.3	ug/m3
91-20-3	Naphthalene	3.00	15.7	UD	15.7	21.0	ug/m3
622-96-8	4-Ethyltoluene	4.80	23.6	UD	23.6	98.3	ug/m3
110-54-3	Hexane	4.40	15.5	UD	15.5	70.5	ug/m3
107-05-1	Allyl Chloride	6.00	18.8	UD	18.8	62.6	ug/m3
123-91-1	1,4-Dioxane	8.40	30.3	UD	30.3	72.1	ug/m3
80-62-6	Methyl Methacrylate	3.40	13.9	UD	13.9	81.9	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.30			70 (65) - 130 (135)	93%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	197000		2.81			
540-36-3	1,4-Difluorobenzene	503000		3.988			
3114-55-4	Chlorobenzene-d5	431000		8.911			

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-4-04012025DL2	SDG No.:	Q1725
Lab Sample ID:	Q1725-02DL2	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
VL042243.D	40		04/07/25 21:38	VL040725

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\VL040725\
Data File : VL042243.D
Acq On : 07 Apr 2025 21:38
Operator : SY/MD
Sample : Q1725-02DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 01:36:39 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 :
SSSG-B10-4-04012025DL2

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.810	49	196689	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.988	114	503068	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	430861	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.399	95	329790	9.321	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.200%			
Target Compounds						Qvalue
13) Ethanol	1.735	45	5256m	4.089	ppbv	
15) Acetone	1.848	43	29249	1.063	ppbv	95
19) Isopropyl Alcohol	1.900	45	12074	0.778	ppbv #	35
29) Chloroform	2.871	83	482007	11.943	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042243.D
Acq On : 07 Apr 2025 21:38
Operator : SY/MD
Sample : Q1725-02DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 01:36:39 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 :
SSSG-B10-4-04012025DL2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
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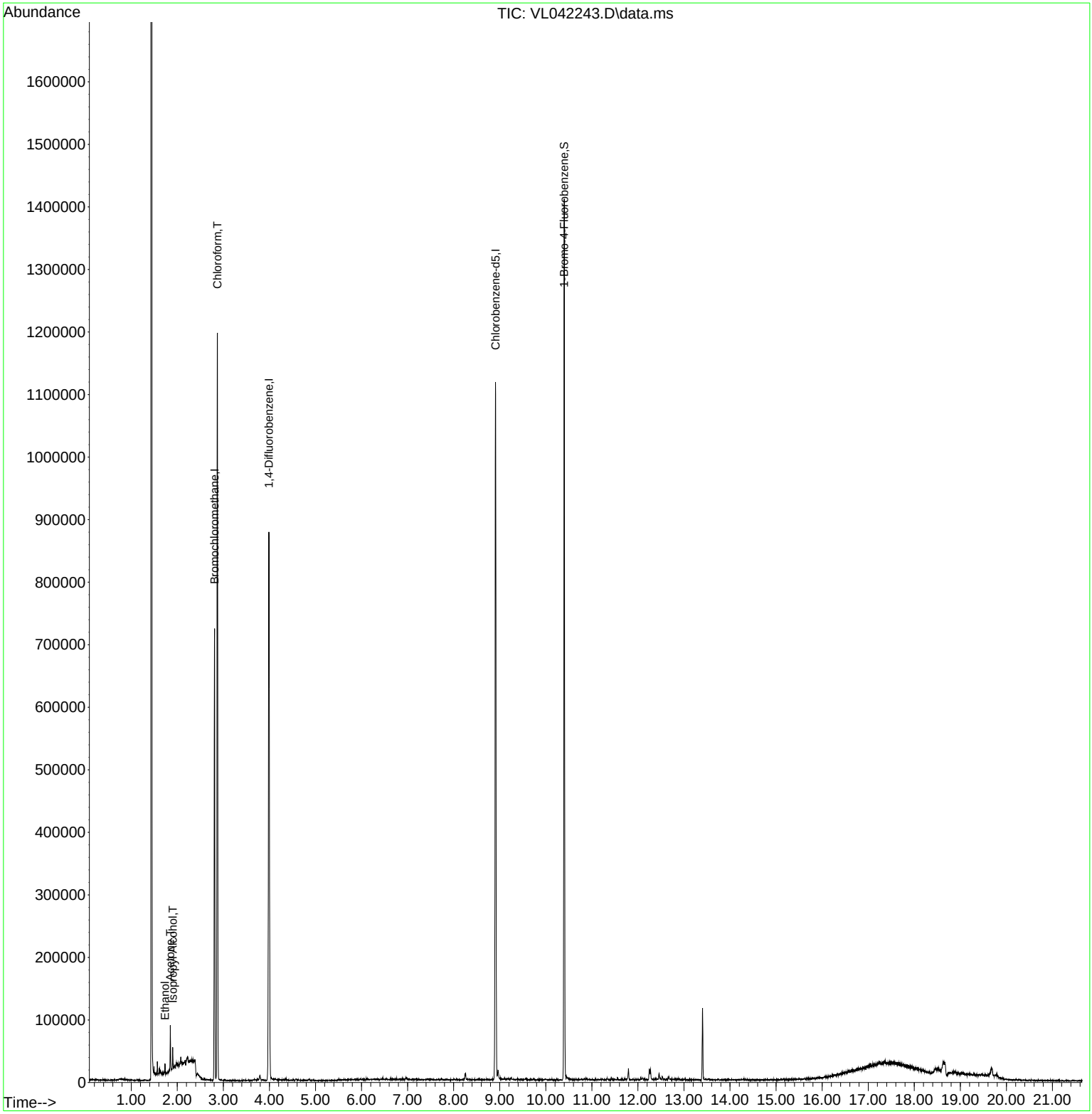

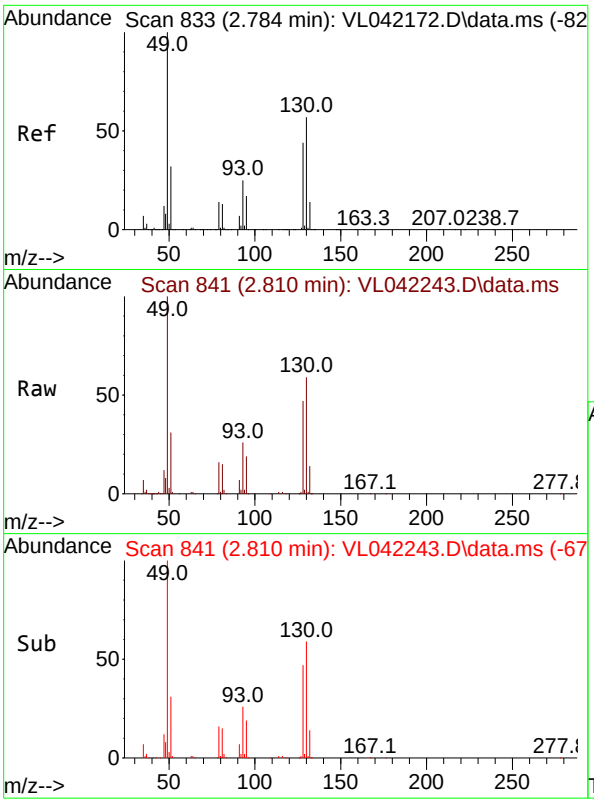

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 84
Delta R.T. 0.026 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 49 Resp: 19668

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	58.7	28.8	86.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Manual Integrations
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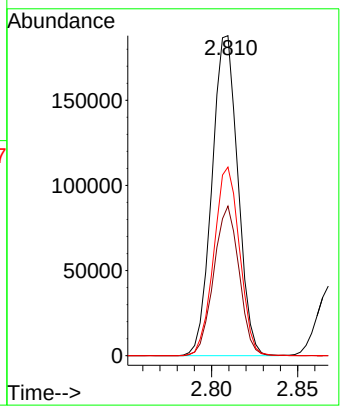
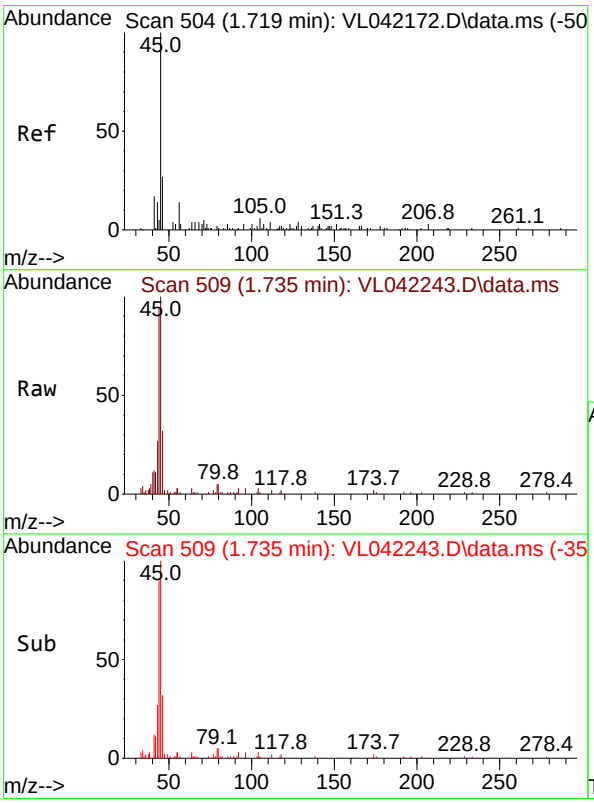
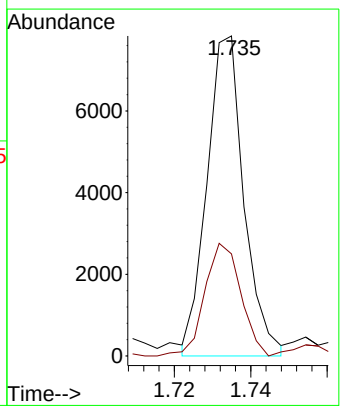


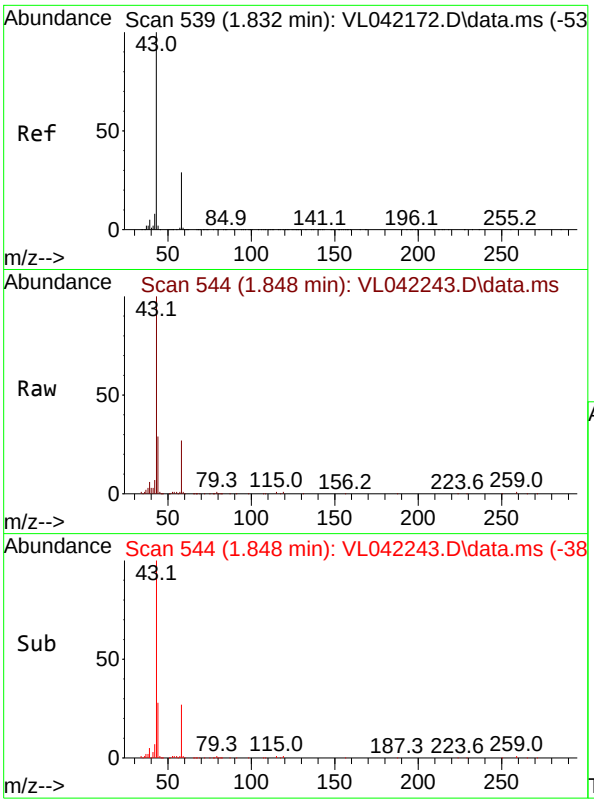


#13
Ethanol
Concen: 4.089 ppbv m
RT: 1.735 min Scan# 509
Delta R.T. 0.016 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 45 Resp: 5256

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#

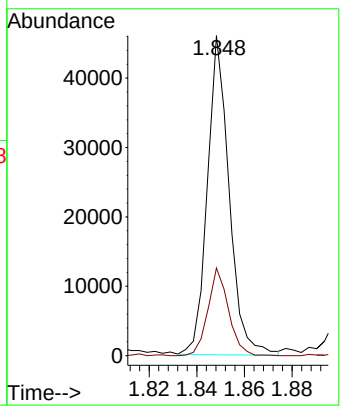




#15
Acetone
Concen: 1.063 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.016 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 43 Resp: 2924

Ion	Ratio	Lower	Upper
43	100		
58	26.1	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Manual Integrations
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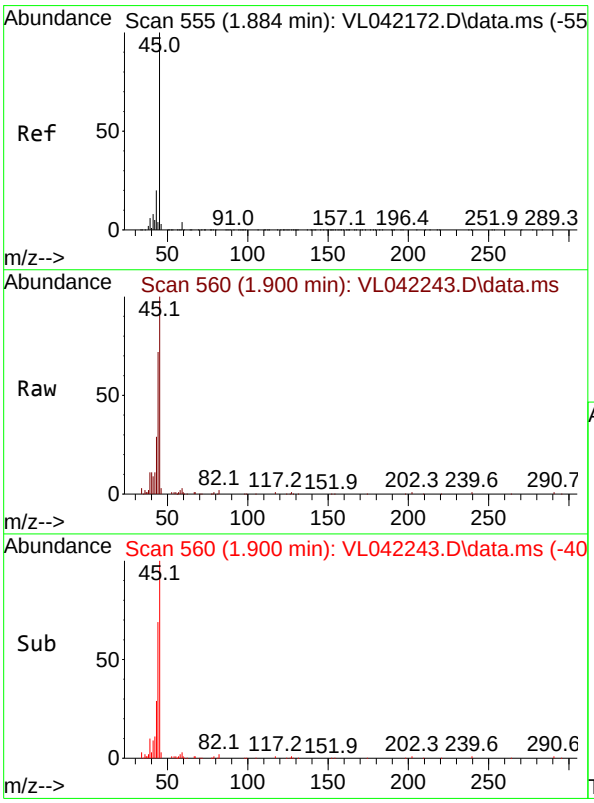
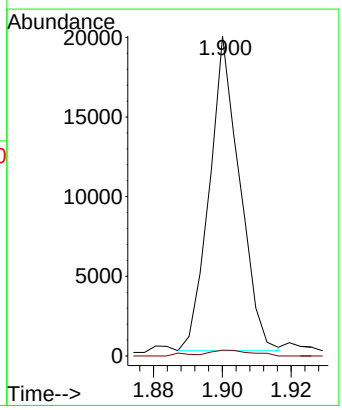
Supervised By :Mahesh Dadoda 04/09/2025

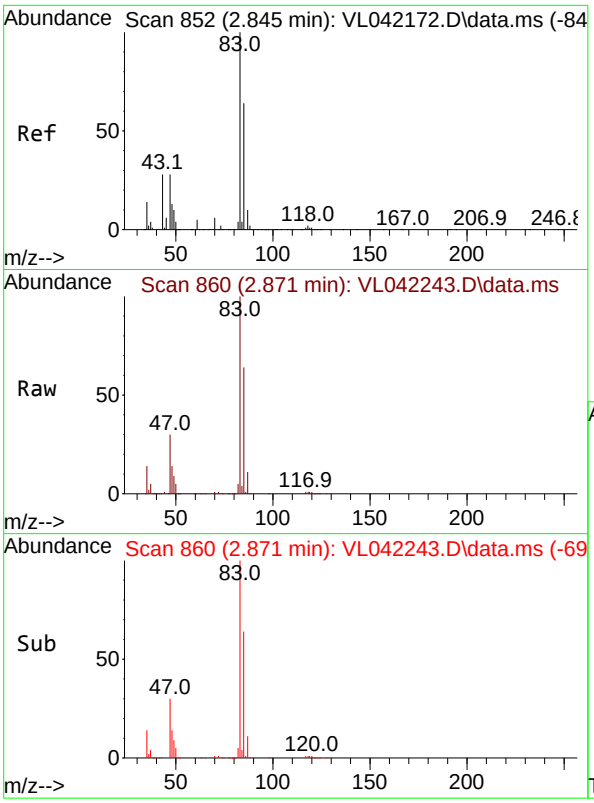


#19
Isopropyl Alcohol
Concen: 0.778 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.016 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 45 Resp: 12074

Ion	Ratio	Lower	Upper
45	100		
58	3.0	36.9	55.3#





#29
Chloroform
Concen: 11.943 ppbv
RT: 2.871 min Scan# 8
Delta R.T. 0.026 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

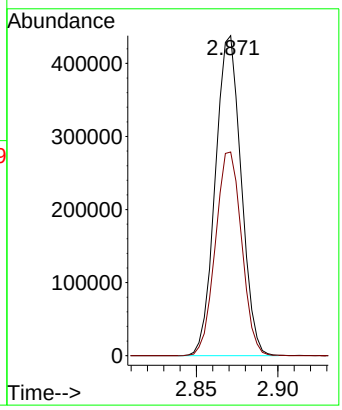
Tgt Ion: 83 Resp: 48200

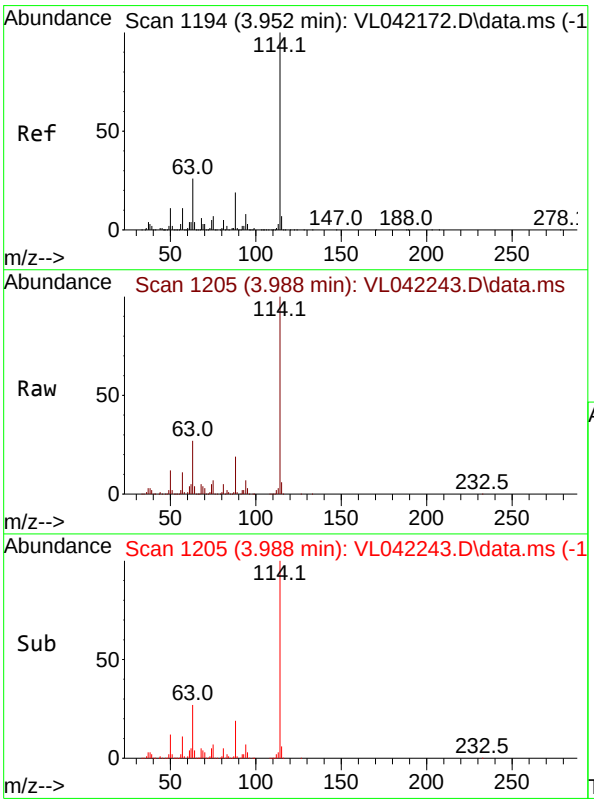
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

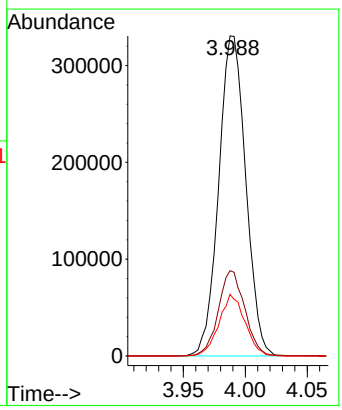


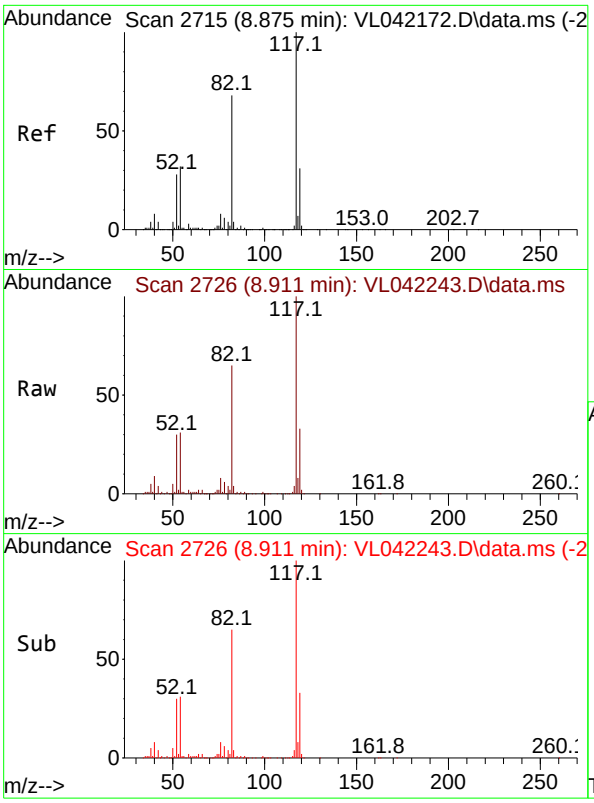


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1205
Delta R.T. 0.035 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion:114 Resp: 503068

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	18.5	15.0	22.4

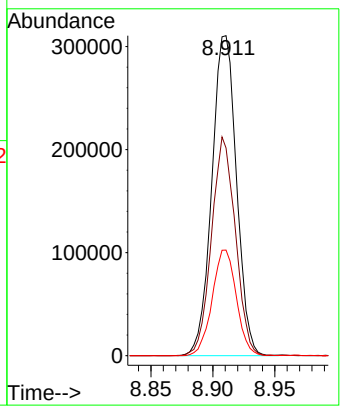




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.911 min Scan# 2
Delta R.T. 0.035 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.8	83.6
119	32.6	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Manual Integrations
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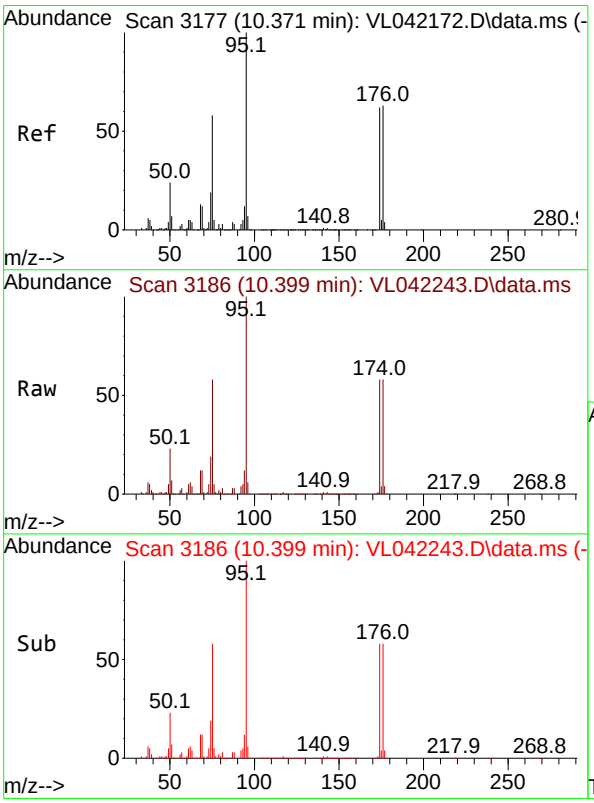
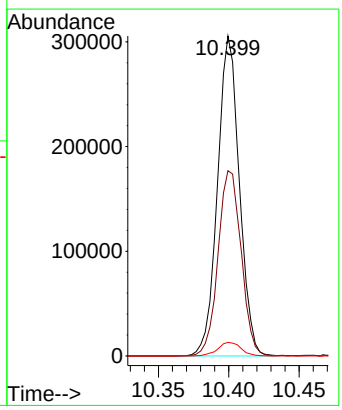
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.321 ppbv
RT: 10.399 min Scan# 3186
Delta R.T. 0.029 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 95 Resp: 329790

Ion	Ratio	Lower	Upper
95	100		
174	61.3	50.6	76.0
175	4.5	3.8	5.6



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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-DUP-2-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-03	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
VL042256.D	1		04/08/25 10:55	VL040825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.37	1.83	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.41	0.85	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.20	1.12	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	38.5	91.5	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.63	2.19		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.44	1.30	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.080	0.50		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.39	1.90	J	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.16	0.51	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.050	0.27		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.72	2.71		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-DUP-2-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-03	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
VL042256.D	1		04/08/25 10:55	VL040825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.080	0.54		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	1.30	5.65		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	6.30	27.4		0.91	4.34	ug/m3
95-47-6	o-Xylene	1.20	5.21		0.52	2.17	ug/m3
100-42-5	Styrene	0.35	1.49	J	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.13	0.64	J	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.28	0.99	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			70 (65) - 130 (135)	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	197000		2.803			
540-36-3	1,4-Difluorobenzene	511000		3.981			
3114-55-4	Chlorobenzene-d5	446000		8.904			
TENTITIVE IDENTIFIED COMPOUNDS							
75-45-6	Chlorodifluoromethane	0.34		J		1.48	ppbv
115-07-1	Propene	0.40		J		1.50	ppbv
64-17-5	Ethanol	12.9		J		1.73	ppbv

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-DUP-2-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-03	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
VL042256.D	1		04/08/25 10:55	VL040825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
67-63-0	Isopropyl Alcohol	110		J		1.89	ppbv
007452-79-1	Butanoic acid, 2-methyl-, ethyl es	2.30		J		9.17	ppbv
005989-27-5	D-Limonene	2.20		J		12.1	ppbv
017302-32-8	Nonane, 3,7-dimethyl-	1.80		J		12.2	ppbv
	unknown12.267	1.30		J		12.3	ppbv
001120-21-4	Undecane	2.00		J		12.5	ppbv
1000368-55-3	2-Hexyldecyl isobutyrate	1.10		J		12.7	ppbv

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\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 09 01:52:47 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 :
SSSG-DUP-2-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	196935	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	510940	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	446395	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	365114	9.960	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	10848	0.373	ppbv		92
3) Chlorodifluoromethane	1.482	51	10080m	0.339	ppbv		
4) Chloromethane	1.537	50	4839	0.407	ppbv	#	81
9) Propene	1.495	41	5396m	0.396	ppbv		
11) Trichlorofluoromethane	1.887	101	5679	0.201	ppbv		97
13) Ethanol	1.728	45	16623m	12.915	ppbv		
15) Acetone	1.842	43	1059776	38.478	ppbv		100
19) Isopropyl Alcohol	1.894	45	1694950	109.070	ppbv	#	32
20) Methylene Chloride	2.072	84	6489	0.633	ppbv	#	74
26) Hexane	2.839	57	7856	0.285	ppbv	#	37
29) Chloroform	2.861	83	15580	0.386	ppbv		96
34) 2-Butanone	2.573	43	16376	0.442	ppbv		99
35) Carbon Tetrachloride	3.790	117	3123m	0.078	ppbv		
36) Benzene	3.680	78	8061	0.159	ppbv		95
38) Trichloroethene	4.586	130	973m	0.046	ppbv		
52) Tetrachloroethene	8.254	164	1610m	0.080	ppbv		
53) Toluene	6.962	91	42966	0.716	ppbv		96
58) Ethyl Benzene	9.377	91	106361	1.341	ppbv		96
59) m/p-Xylene	9.551	91	400289	6.322	ppbv		98
60) o-Xylene	9.985	91	78832	1.242	ppbv		99
61) Styrene	9.888	104	11084	0.353	ppbv		94
72) 4-Ethyltoluene	11.141	105	8715	0.110	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.218	105	8928	0.129	ppbv		86
74) 1,2,4-Trimethylbenzene	11.552	105	28863	0.363	ppbv	#	65

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

Quantitation Report (LSC Reviewed)

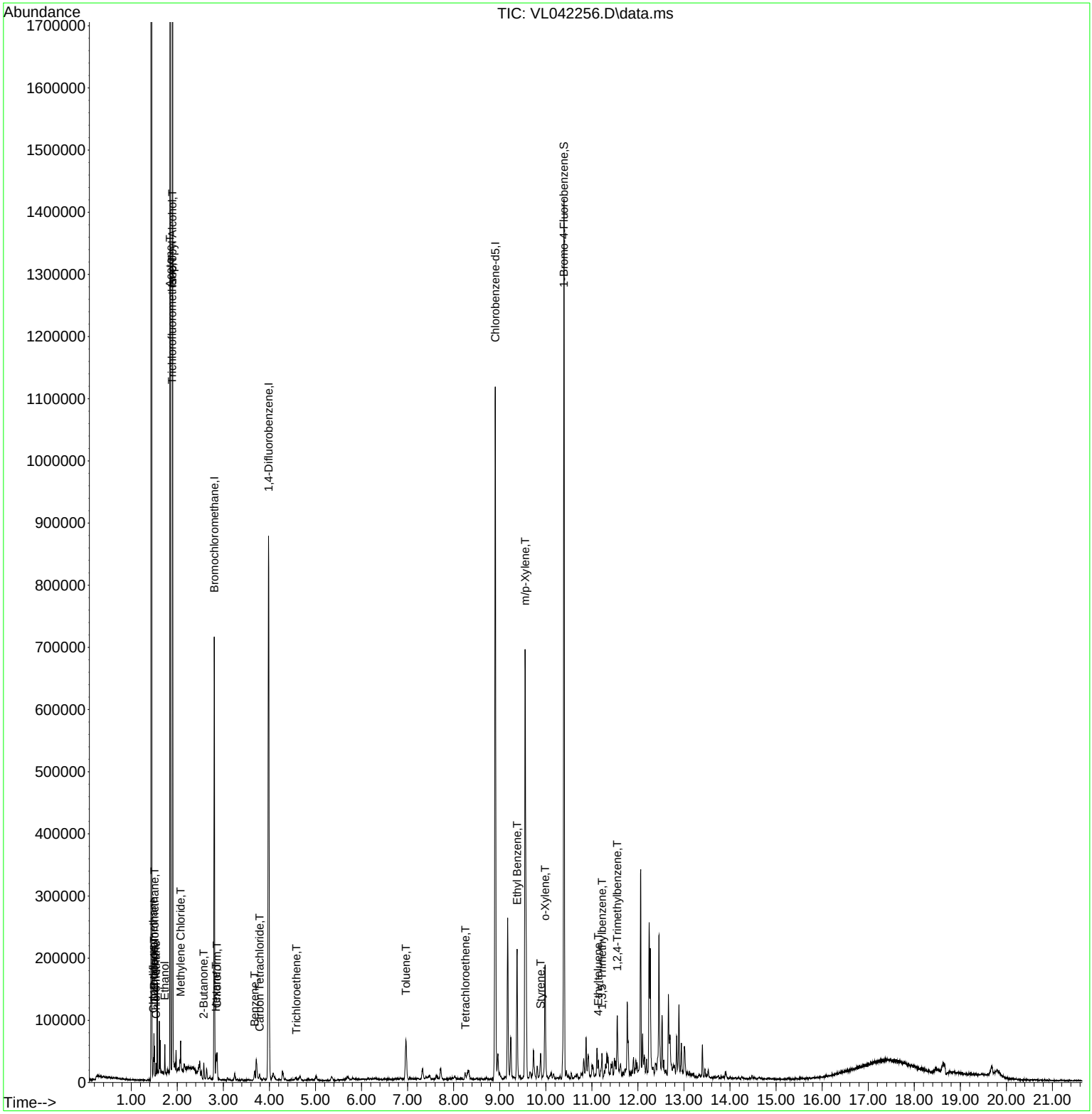
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

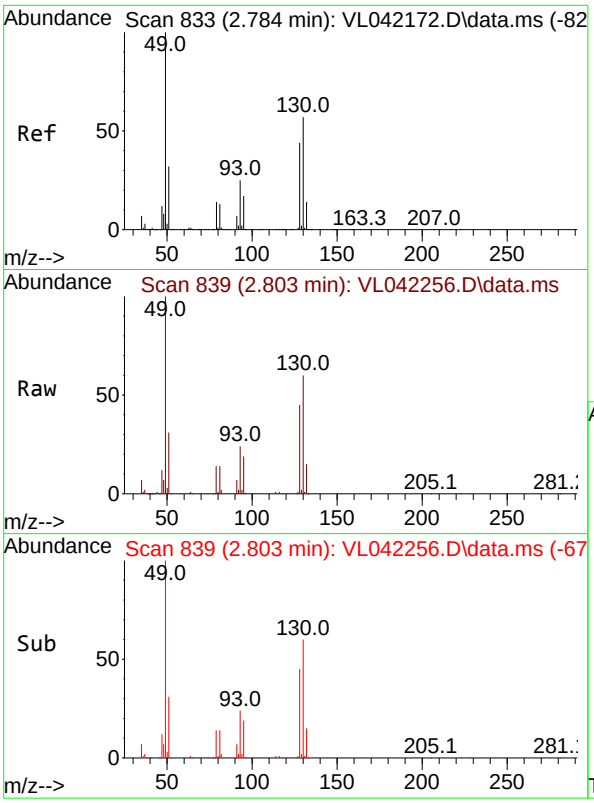
Quant Time: Apr 09 01:52:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 49 Resp: 19693

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.9	68.5
130	57.9	28.8	86.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Manual Integrations
APPROVED

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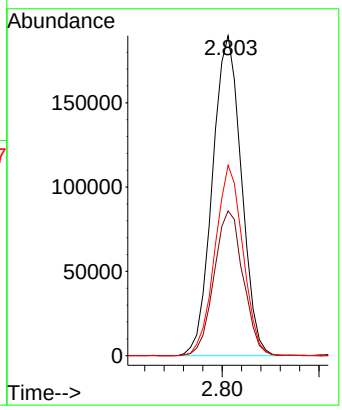
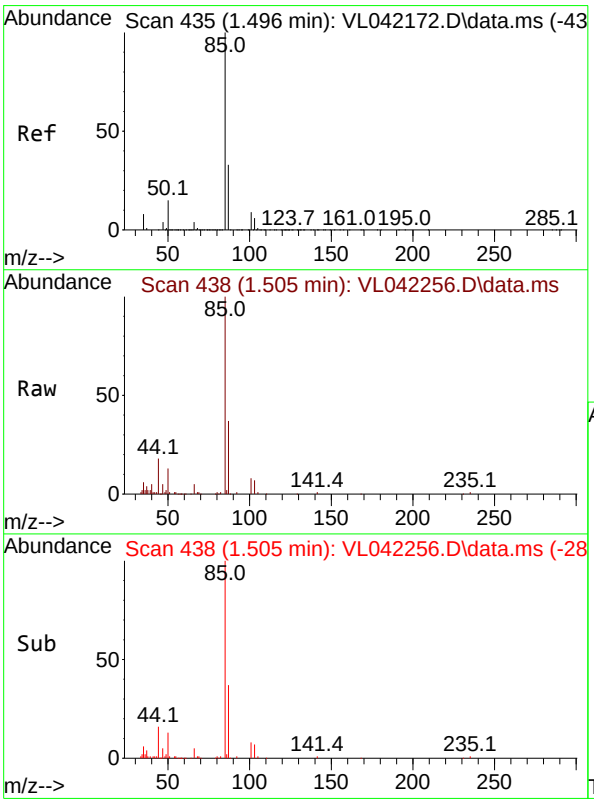
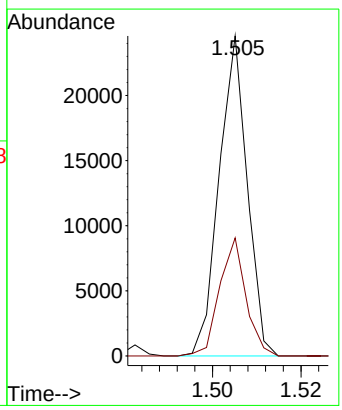


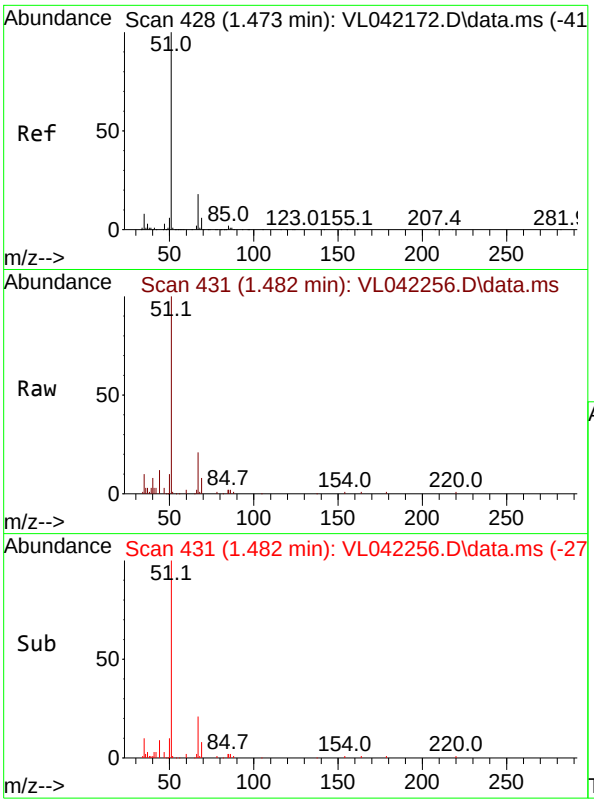


#2
Dichlorodifluoromethane
Concen: 0.373 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 85 Resp: 10848

Ion	Ratio	Lower	Upper
85	100		
87	36.9	26.1	39.1

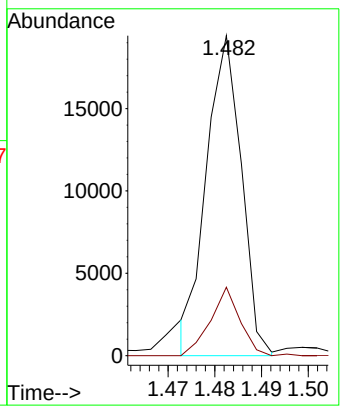




#3
Chlorodifluoromethane
Concen: 0.339 ppbv m
RT: 1.482 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 51 Resp: 1008

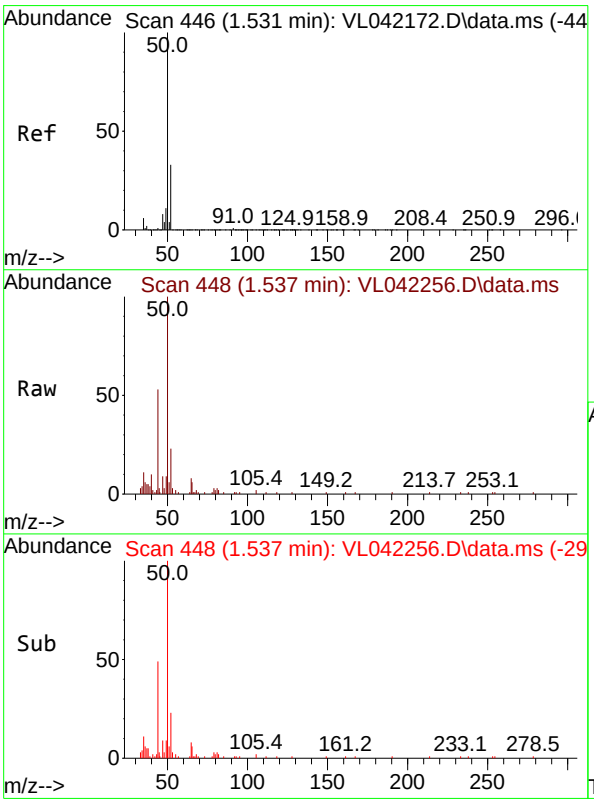
Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Manual Integrations
APPROVED

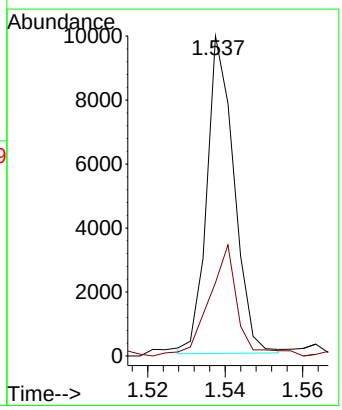
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

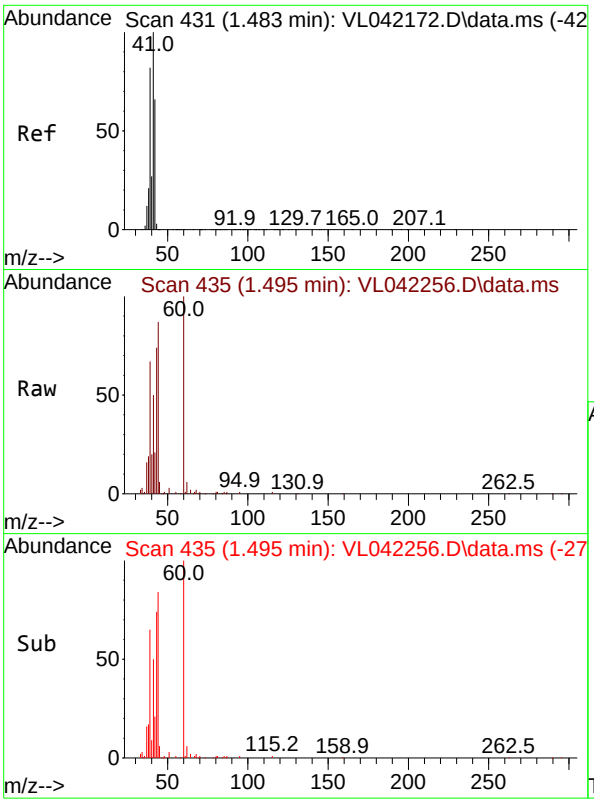


#4
Chloromethane
Concen: 0.407 ppbv
RT: 1.537 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 50 Resp: 4839

Ion	Ratio	Lower	Upper
50	100		
52	22.1	26.1	39.1#

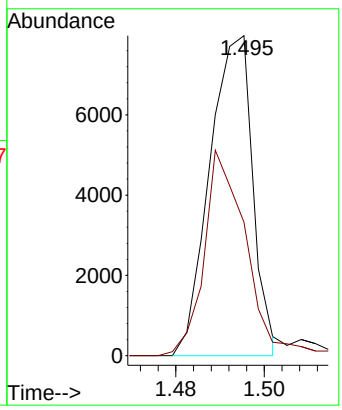




#9
Propene
Concen: 0.396 ppbv m
RT: 1.495 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 41 Resp: 539

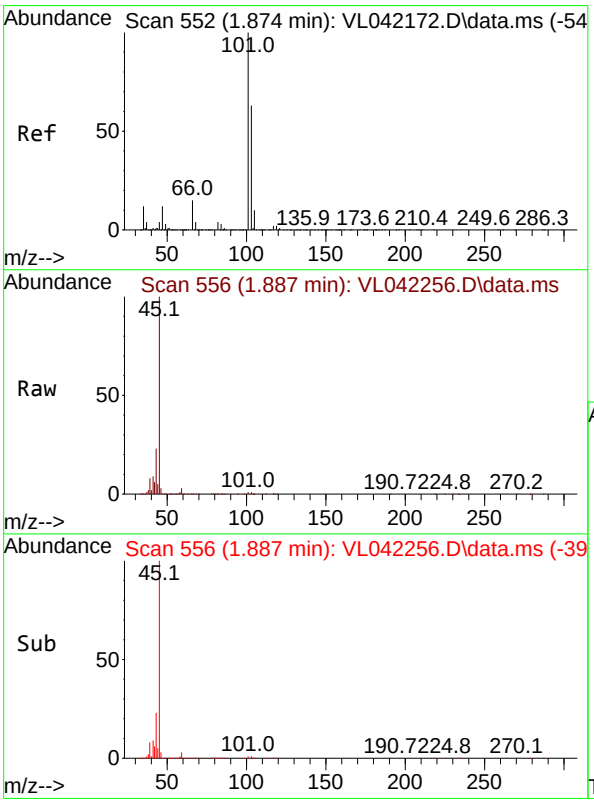
Ion	Ratio	Lower	Upper
41	100		
42	2167.2	55.4	83.1



Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Manual Integrations
APPROVED

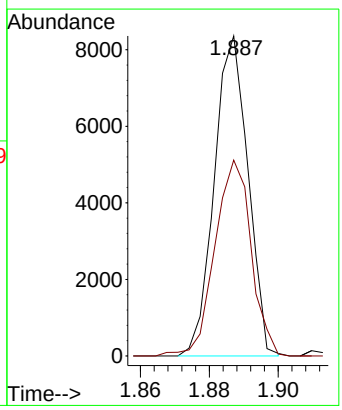
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

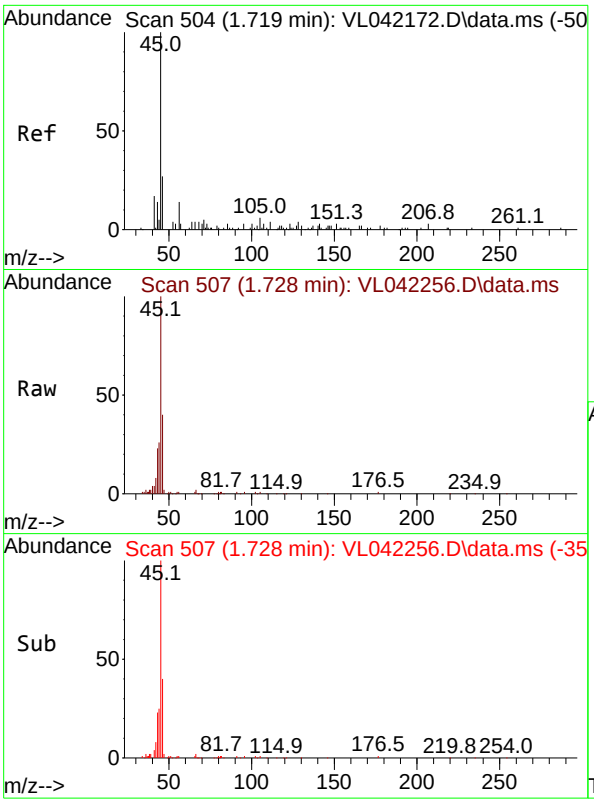


#11
Trichlorofluoromethane
Concen: 0.201 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:101 Resp: 5679

Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.2	75.2

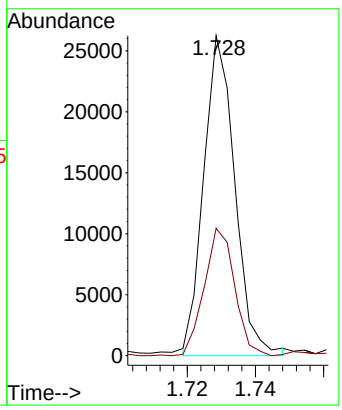




#13
Ethanol
Concen: 12.915 ppbv m
RT: 1.728 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 45 Resp: 1662

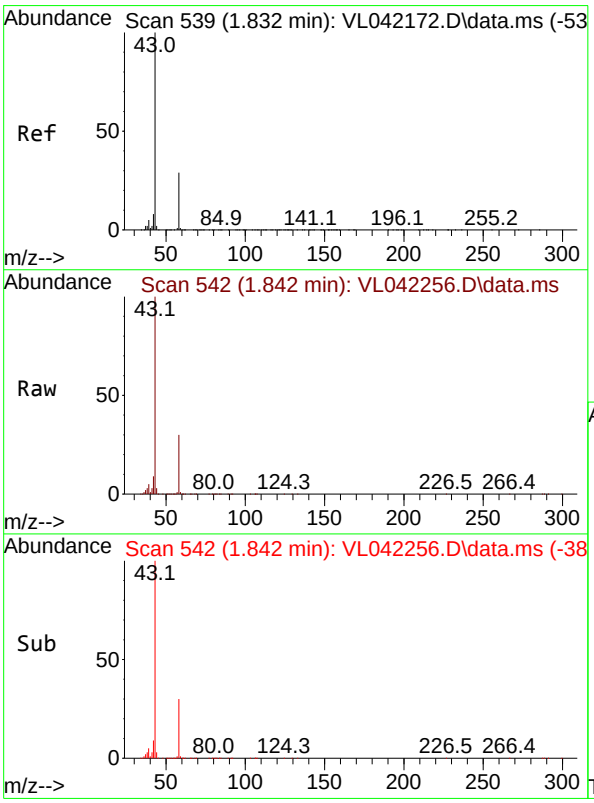
Ion	Ratio	Lower	Upper
45	100		
46	308.5	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Manual Integrations
APPROVED

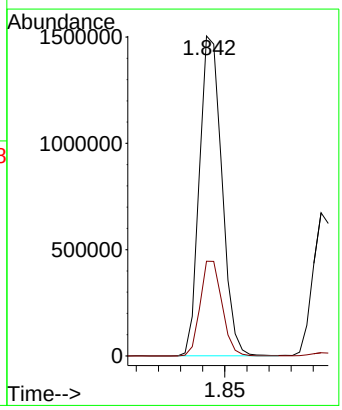
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

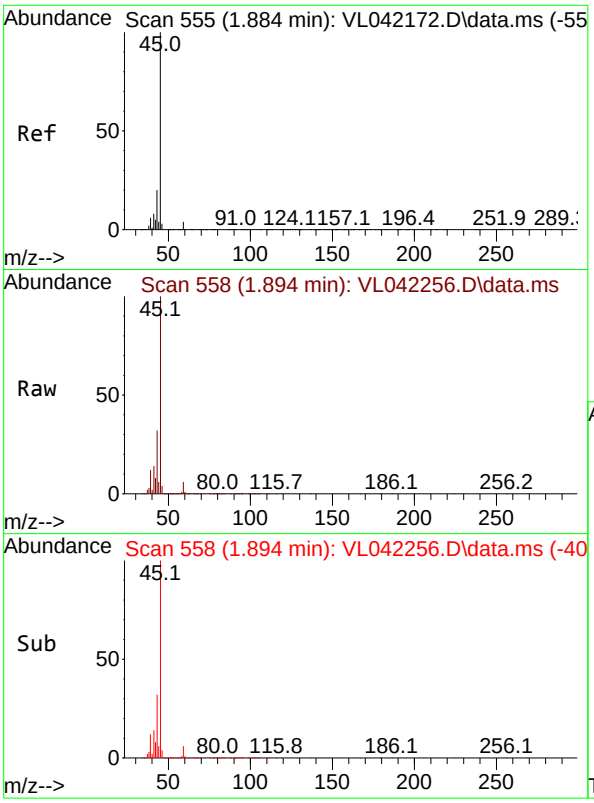


#15
Acetone
Concen: 38.478 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 43 Resp: 1059776

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.2	34.8





#19
Isopropyl Alcohol
Concen: 109.070 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 45 Resp: 169495

Ion	Ratio	Lower	Upper
45	100		
58	0.8	36.9	55.3#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
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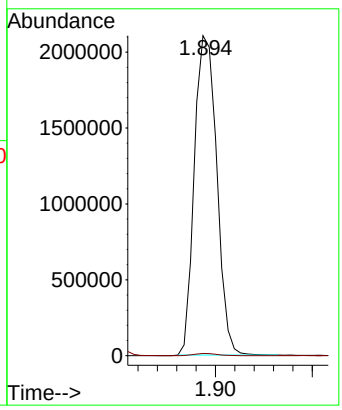
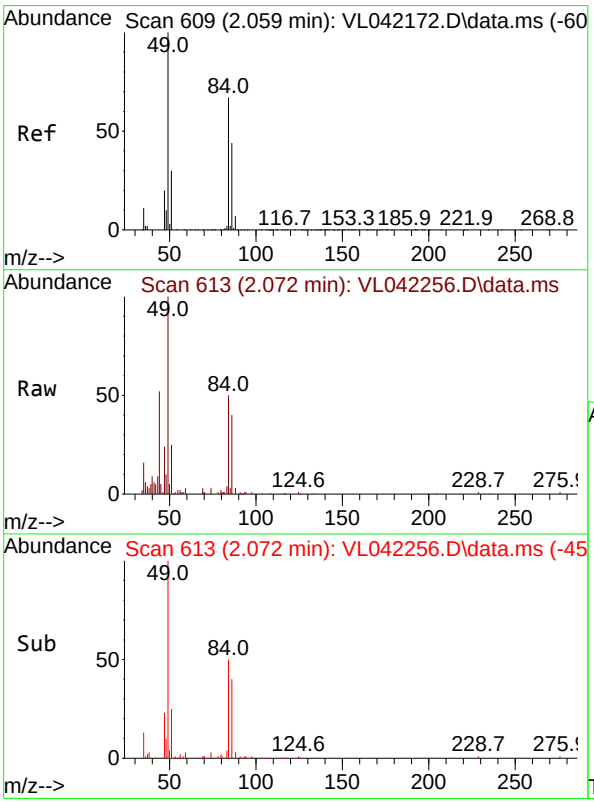
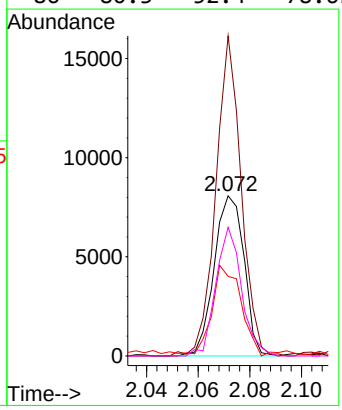


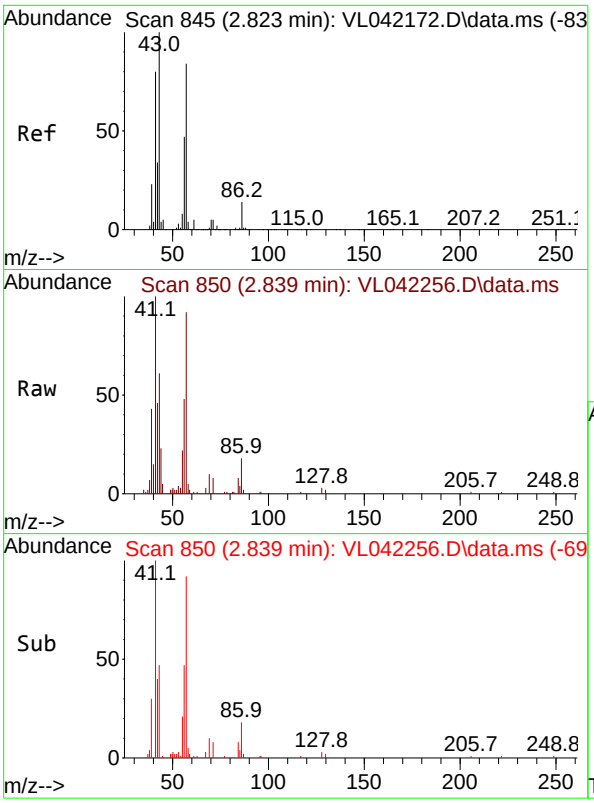


#20
Methylene Chloride
Concen: 0.633 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 84 Resp: 6489

Ion	Ratio	Lower	Upper
84	100		
49	197.4	120.2	180.4#
51	48.0	37.4	56.0
86	80.3	52.4	78.6#

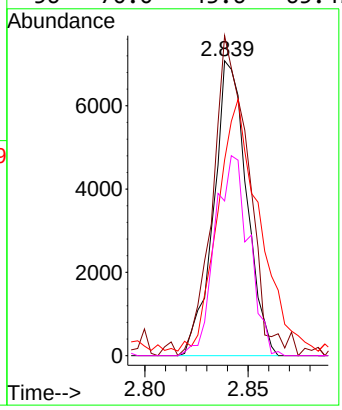




#26
Hexane
Concen: 0.285 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 57 Resp: 785

Ion	Ratio	Lower	Upper
57	100		
41	121.0	76.6	114.8#
43	107.6	207.8	311.8#
56	70.0	43.6	65.4#



Instrument :
MSVOA_L
ClientSampleId :
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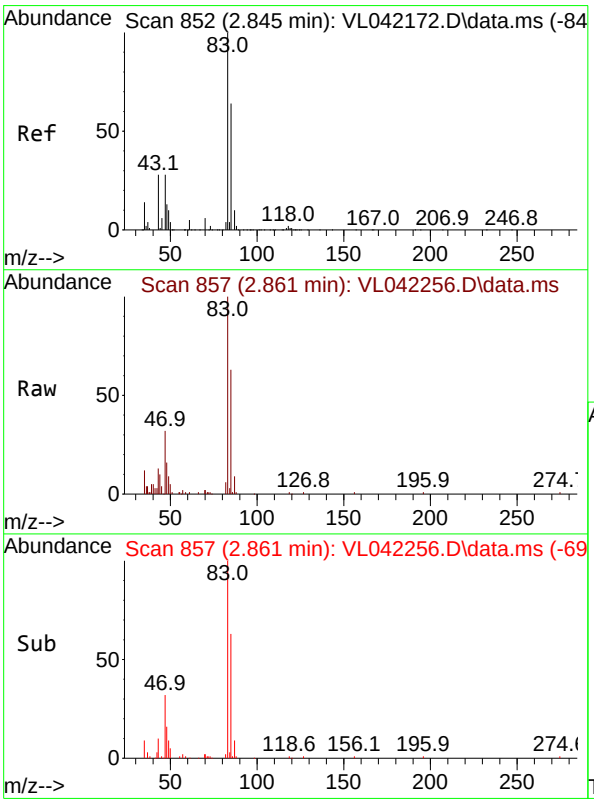
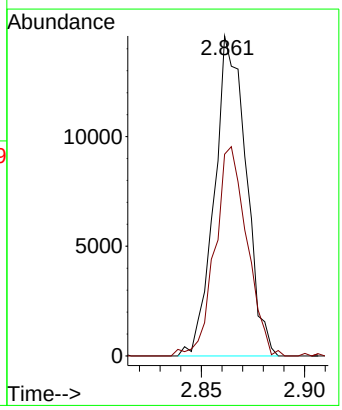
Supervised By :Mahesh Dadoda 04/09/2025

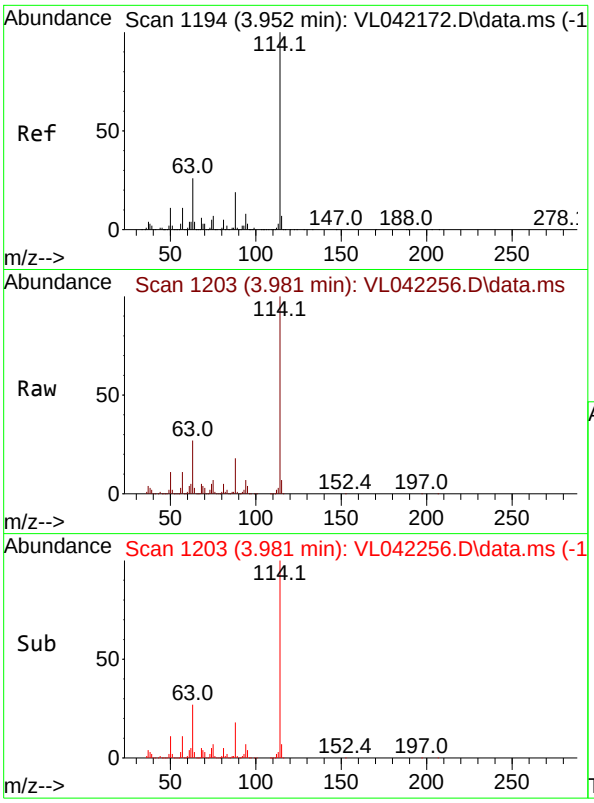


#29
Chloroform
Concen: 0.386 ppbv
RT: 2.861 min Scan# 857
Delta R.T. 0.016 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 83 Resp: 15580

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.4	77.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:114 Resp: 5109

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	18.1	15.0	22.4

Instrument :
MSVOA_L
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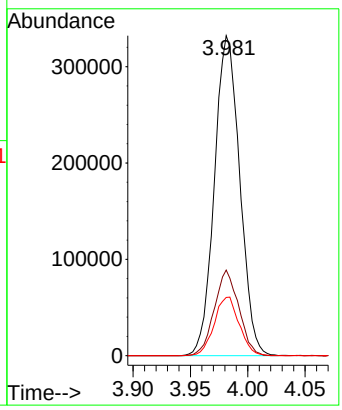
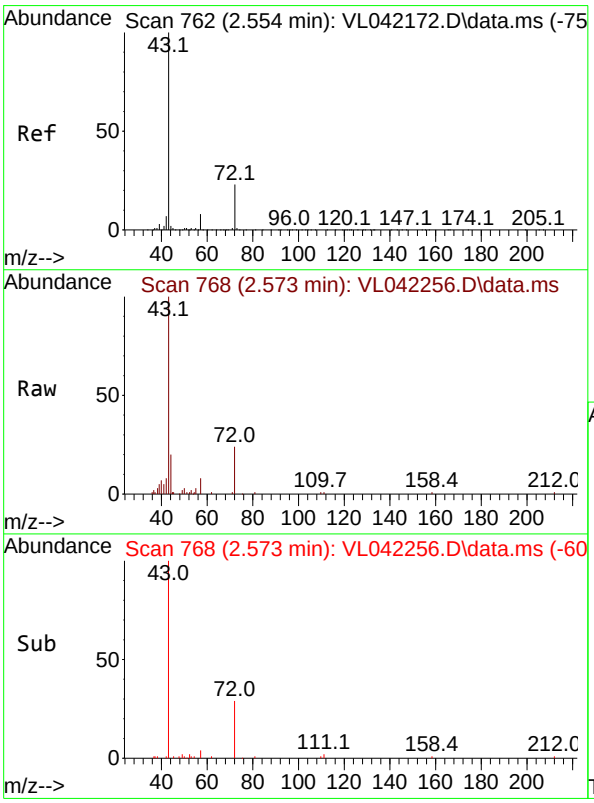
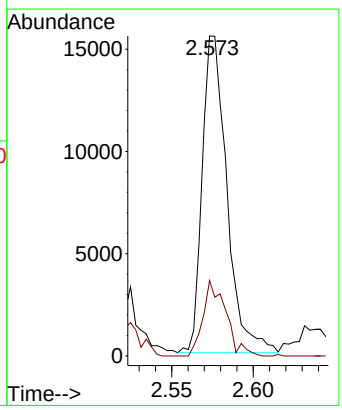


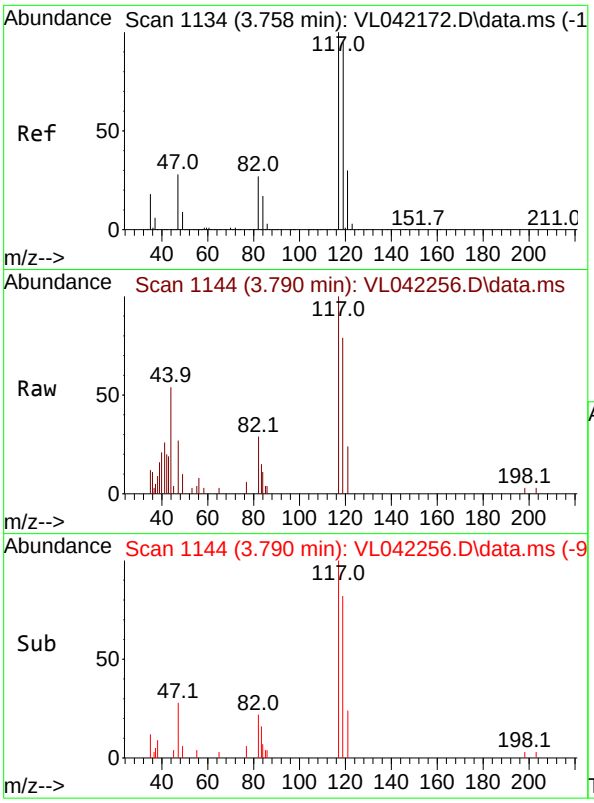


#34
2-Butanone
Concen: 0.442 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 43 Resp: 16376

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2

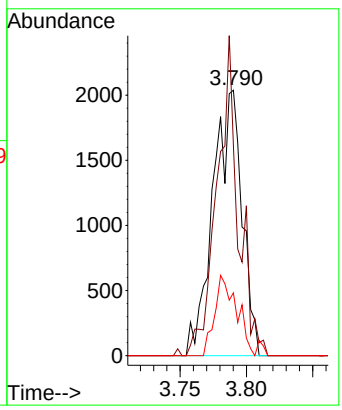




#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 3.790 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:117 Resp: 312

Ion	Ratio	Lower	Upper
117	100		
119	79.2	76.2	114.2
121	23.7	24.2	36.4



Instrument :
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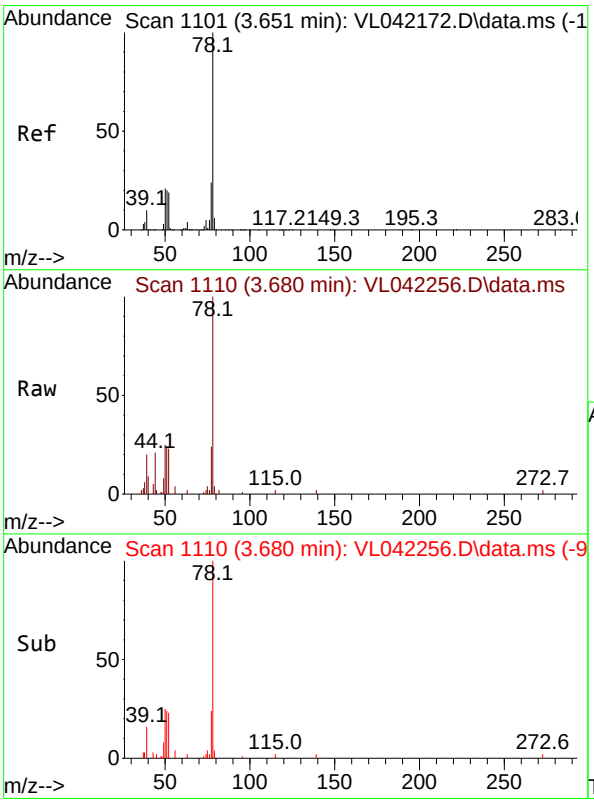
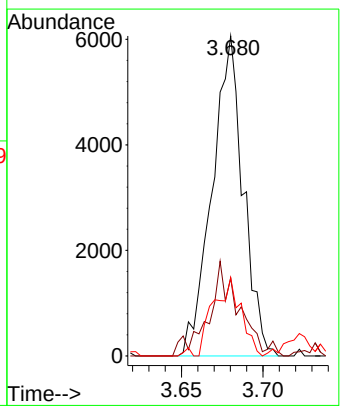
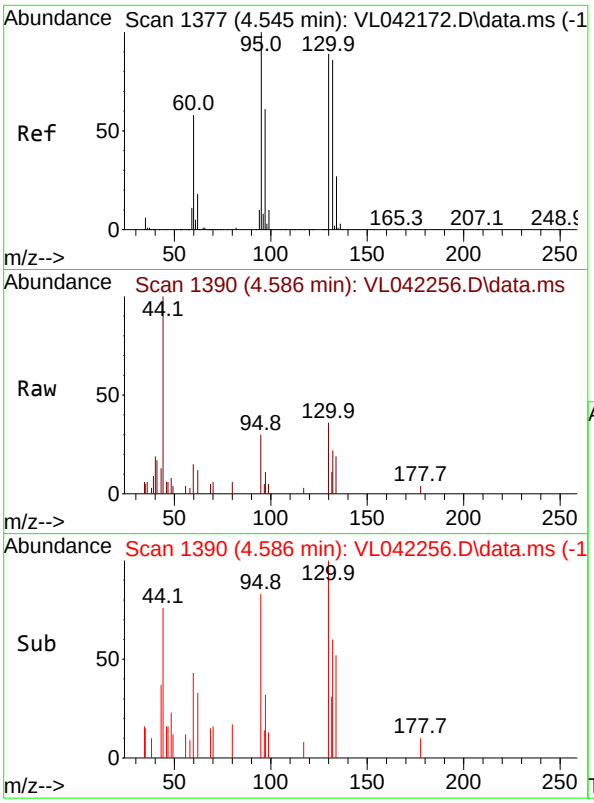


#36
Benzene
Concen: 0.159 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 78 Resp: 8061

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7
50	24.5	16.6	24.8

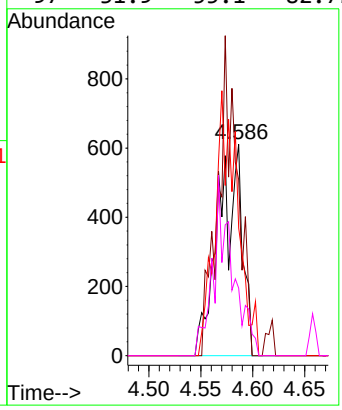




#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 4.586 min Scan# 1
Delta R.T. 0.042 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:130 Resp: 97

Ion	Ratio	Lower	Upper
130	100		
95	83.1	89.8	134.8#
132	60.4	77.4	116.2#
97	31.9	55.1	82.7#



Instrument :
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ClientSampleId :
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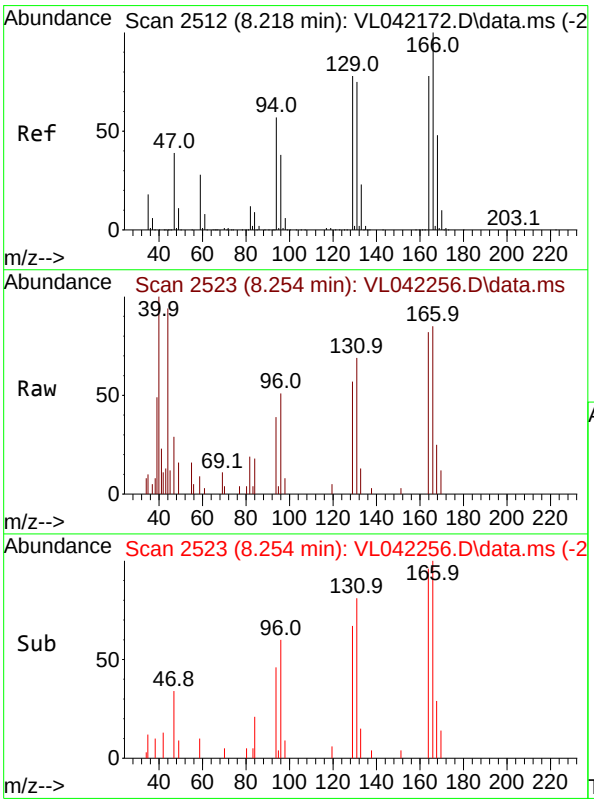
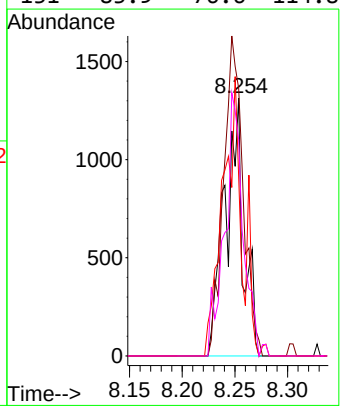
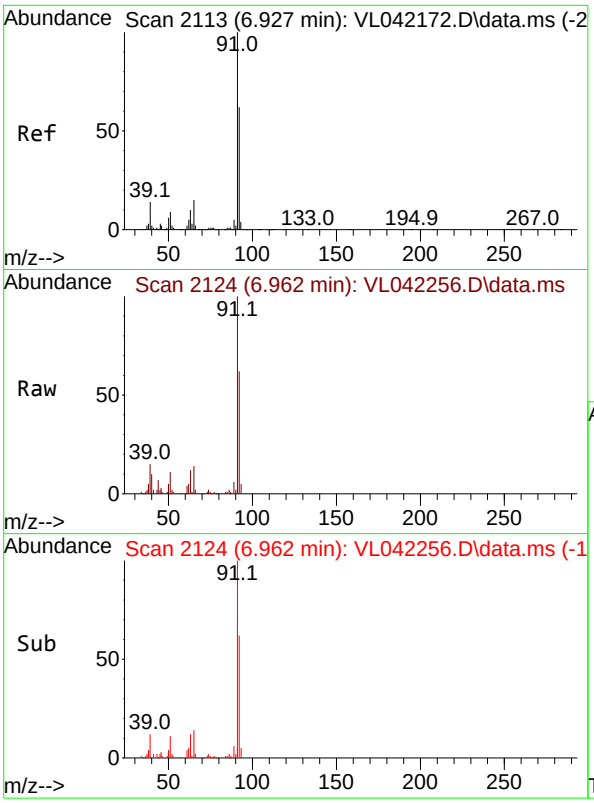


#52
Tetrachloroethene
Concen: 0.080 ppbv m
RT: 8.254 min Scan# 2523
Delta R.T. 0.035 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:164 Resp: 1610

Ion	Ratio	Lower	Upper
164	100		
166	103.7	102.5	153.7
129	69.3	79.8	119.8#
131	83.9	76.6	114.8

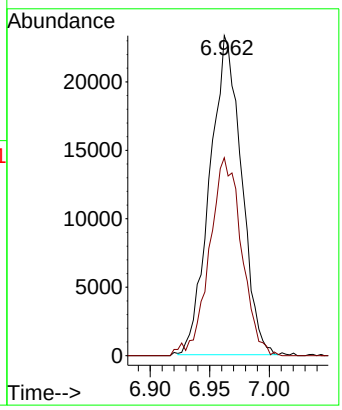




#53
Toluene
Concen: 0.716 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 91 Resp: 4296

Ion	Ratio	Lower	Upper
91	100		
92	63.3	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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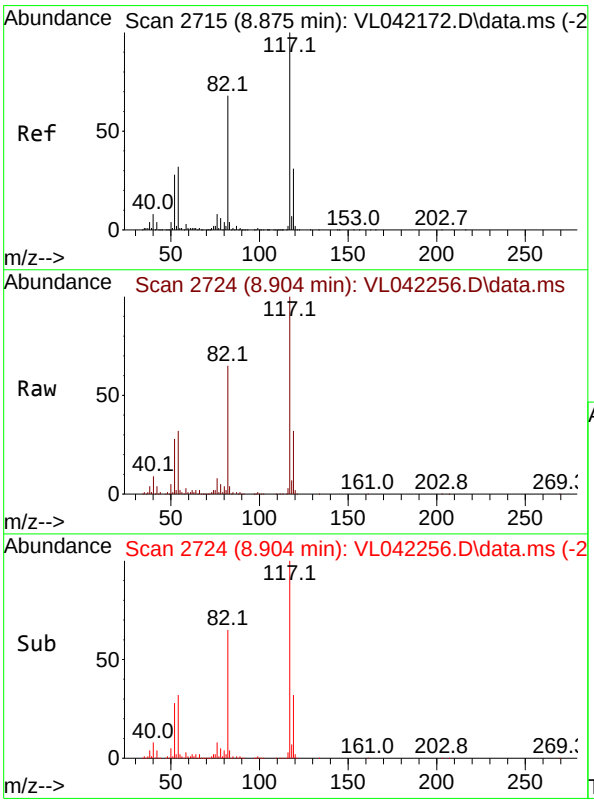
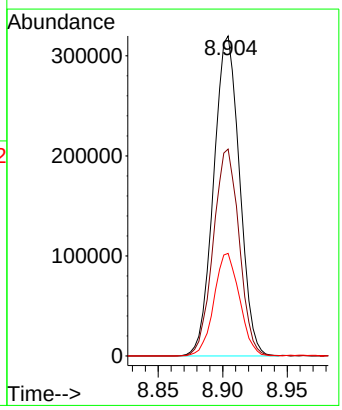
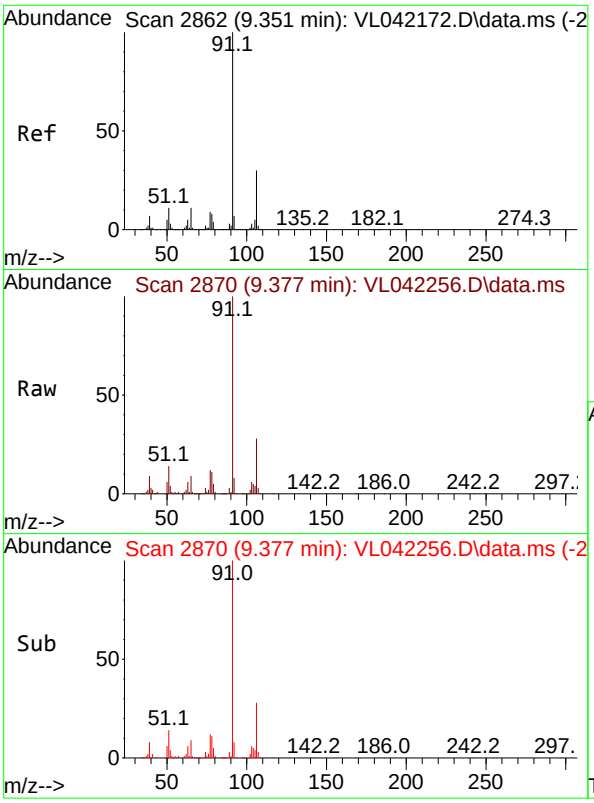


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:117 Resp: 446395

Ion	Ratio	Lower	Upper
117	100		
82	64.8	55.8	83.6
119	31.7	25.5	38.3

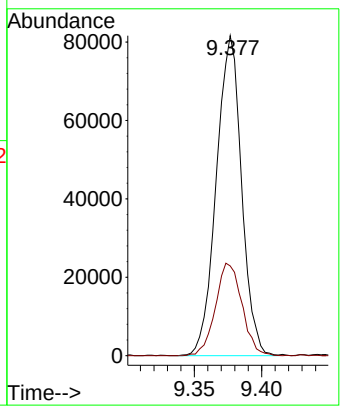




#58
Ethyl Benzene
Concen: 1.341 ppbv
RT: 9.377 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 91 Resp: 10636

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.2	36.2



Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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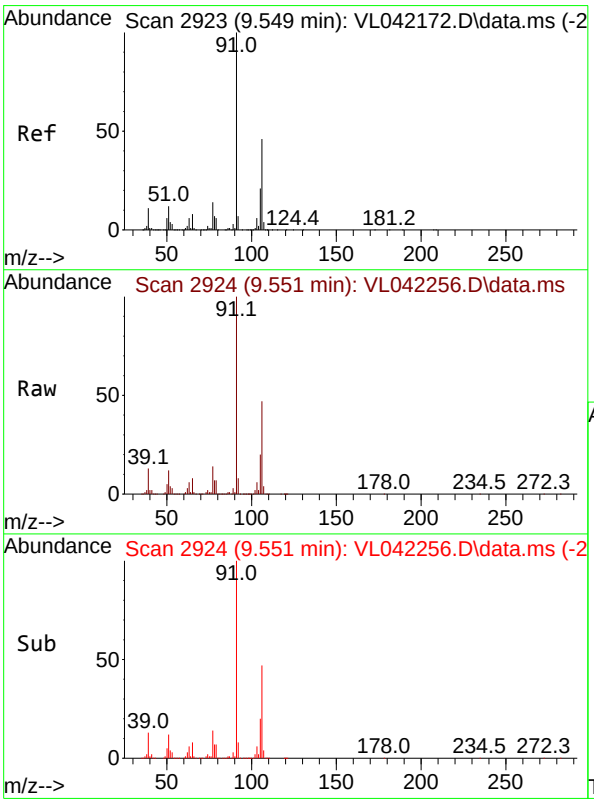
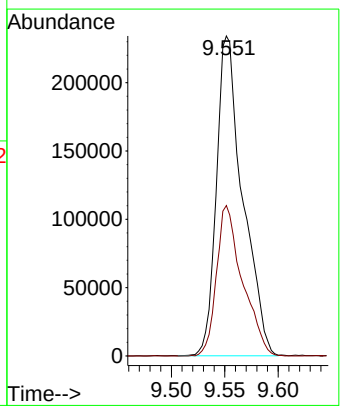
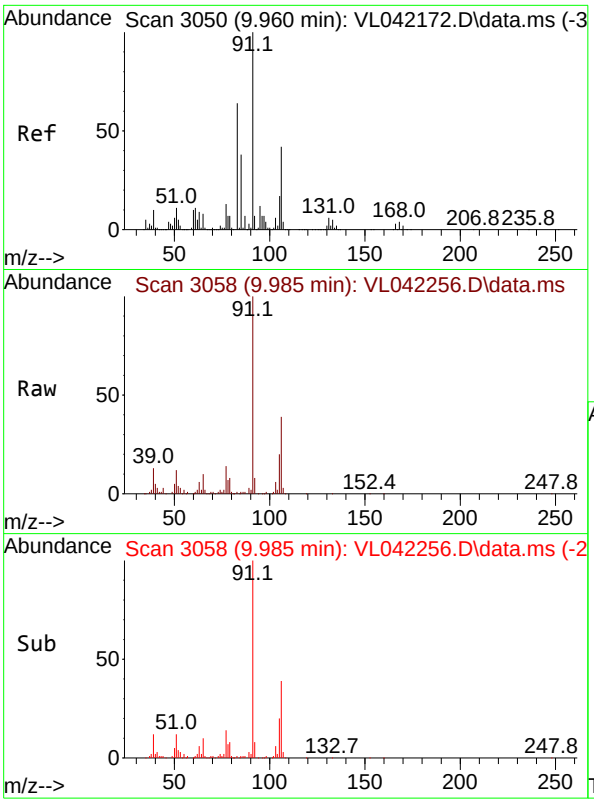


#59
m/p-Xylene
Concen: 6.322 ppbv
RT: 9.551 min Scan# 2924
Delta R.T. 0.003 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 91 Resp: 400289

Ion	Ratio	Lower	Upper
91	100		
106	46.5	36.4	54.6

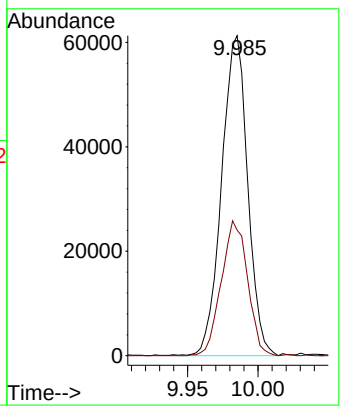




#60
o-Xylene
Concen: 1.242 ppbv
RT: 9.985 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 91 Resp: 7883

Ion	Ratio	Lower	Upper
91	100		
106	42.6	20.8	62.5



Instrument :
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ClientSampleId :
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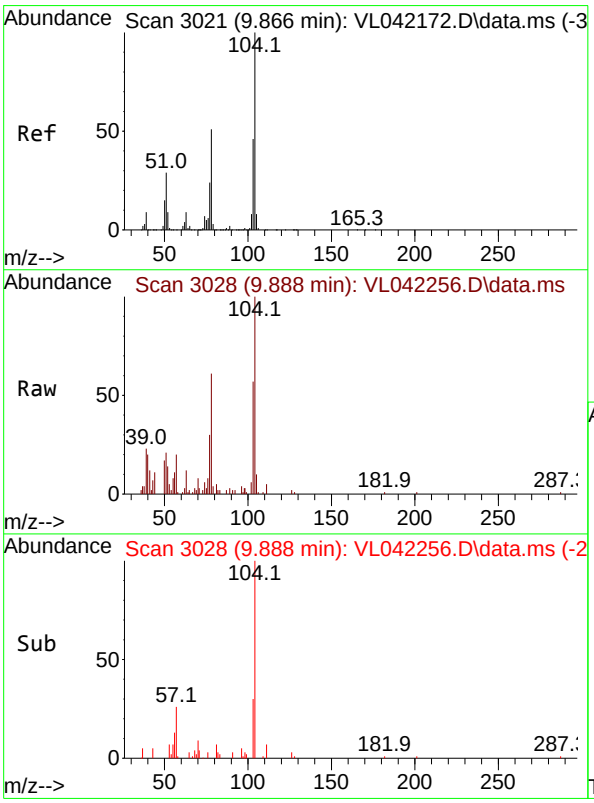
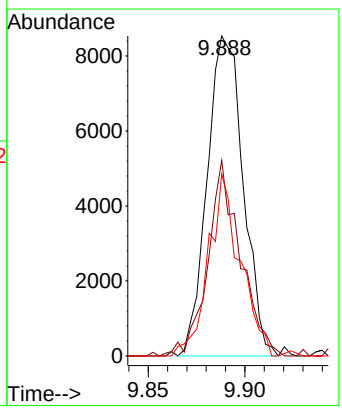
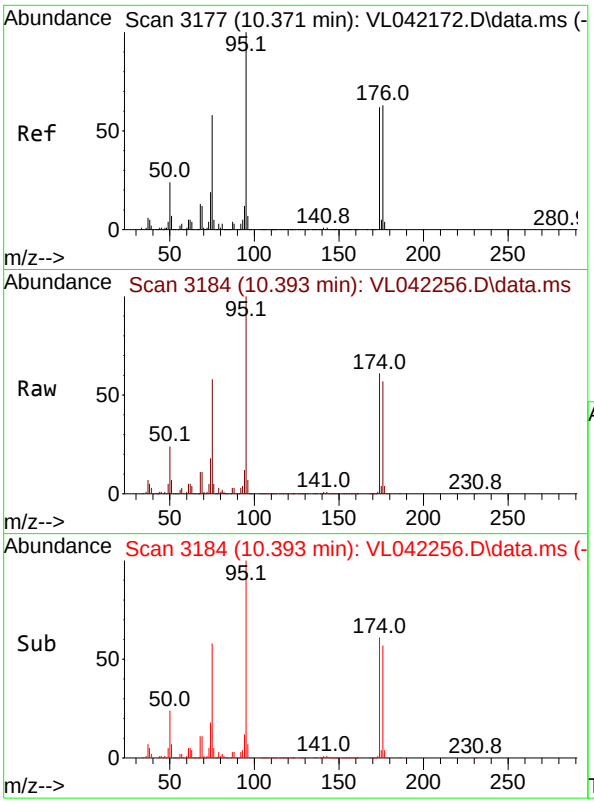


#61
Styrene
Concen: 0.353 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. 0.022 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:104 Resp: 11084

Ion	Ratio	Lower	Upper
104	100		
78	55.6	41.8	62.6
103	50.4	37.0	55.4

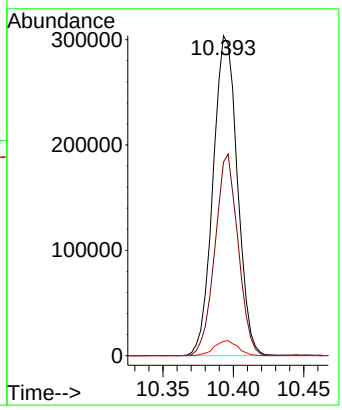




#68
1-Bromo-4-Fluorobenzene
Concen: 9.960 ppbv
RT: 10.393 min Scan# 3
Delta R.T. 0.022 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 95 Resp: 36511

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.6	3.8	5.6



Instrument :
MSVOA_L
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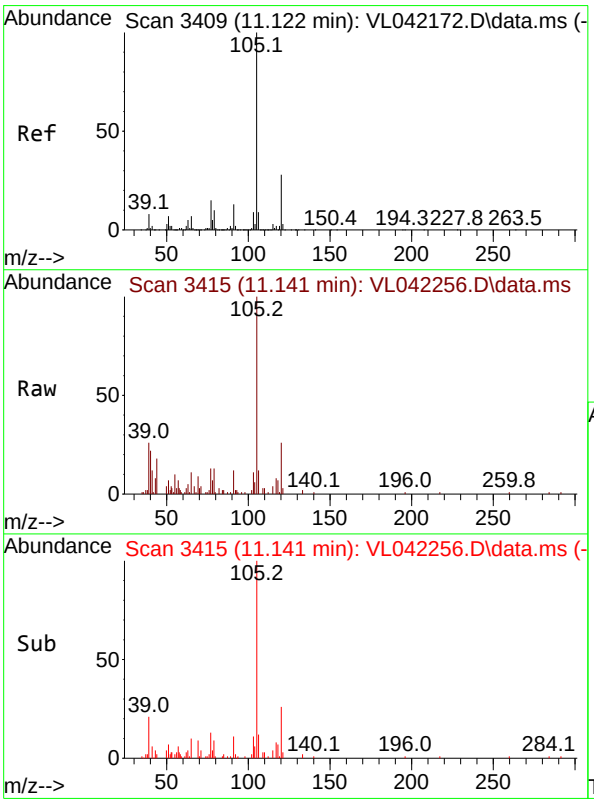
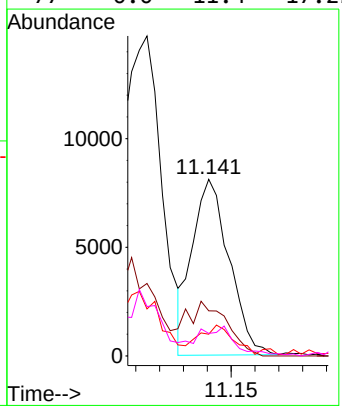
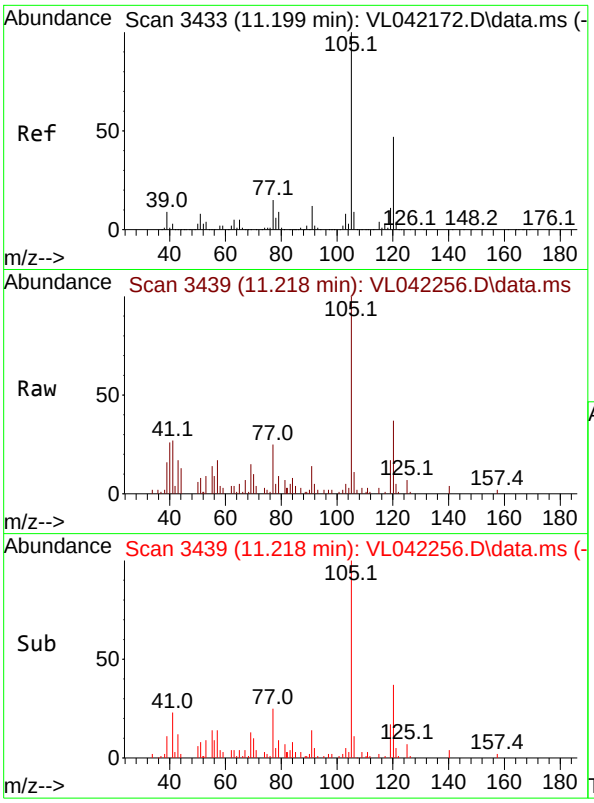


#72
4-Ethyltoluene
Concen: 0.110 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:105 Resp: 8715

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	0.0	10.3	15.5#
77	0.0	11.4	17.2#





#73
1,3,5-Trimethylbenzene
Concen: 0.129 ppbv
RT: 11.218 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:105 Resp: 892

Ion	Ratio	Lower	Upper
105	100		
120	37.4	37.4	56.0

Instrument :
MSVOA_L
ClientSampleId :
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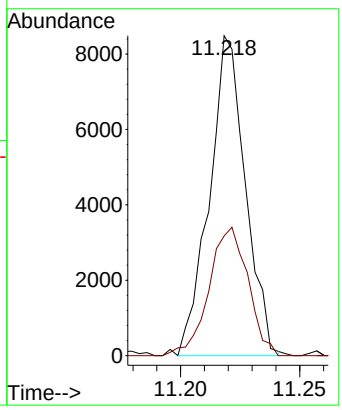
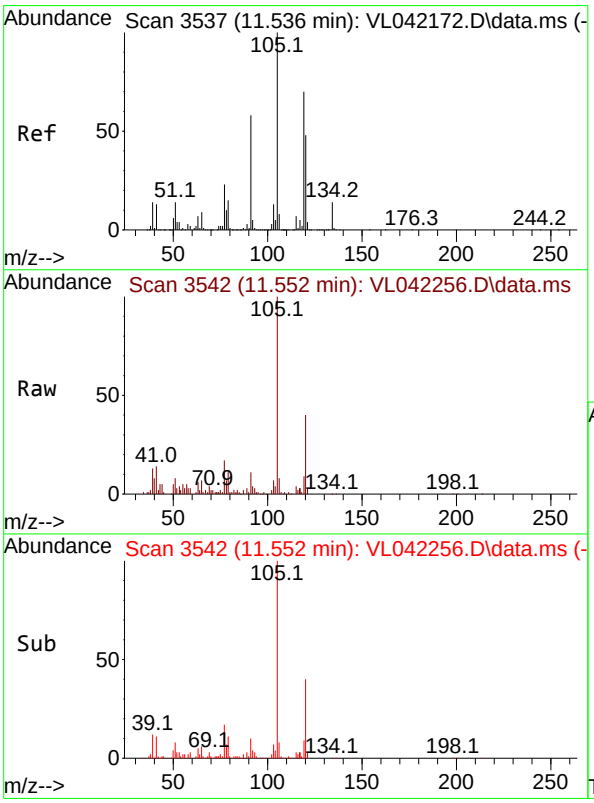
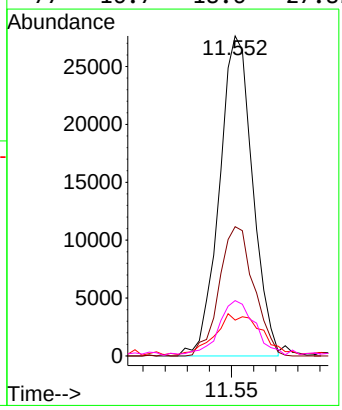




#74
1,2,4-Trimethylbenzene
Concen: 0.363 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:105 Resp: 28863

Ion	Ratio	Lower	Upper
105	100		
120	40.4	38.6	58.0
91	10.7	46.2	69.2#
77	16.7	18.6	27.8#



LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042256.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.437	412	417	422	rBV	4236086	4630415	100.00%	23.163%
2	1.563	452	456	461	rBV	147291	80589	1.74%	0.403%
3	1.609	465	470	473	rBV	83310	47230	1.02%	0.236%
4	1.842	538	542	553	rBV	2388191	1681723	36.32%	8.413%
5	1.894	553	558	571	rVV	4025763	3049678	65.86%	15.256%
6	2.803	829	839	846	rBV	712204	738556	15.95%	3.695%
7	2.861	854	857	865	rVB	43377	46747	1.01%	0.234%
8	3.713	1116	1120	1134	rVB5	30476	49633	1.07%	0.248%
9	3.981	1189	1203	1217	rBV	874780	1350833	29.17%	6.757%
10	6.962	2112	2124	2141	rVB4	64305	129771	2.80%	0.649%
11	8.904	2709	2724	2734	rBV	1115640	1602124	34.60%	8.014%
12	8.959	2734	2741	2749	rVB4	34697	54772	1.18%	0.274%
13	9.173	2797	2807	2819	rBV3	258085	365761	7.90%	1.830%
14	9.237	2819	2827	2836	rVB3	62496	92926	2.01%	0.465%
15	9.377	2858	2870	2883	rBV	209408	290943	6.28%	1.455%
16	9.551	2912	2924	2943	rVB	690111	1199010	25.89%	5.998%
17	9.729	2973	2979	2998	rVB4	45798	81356	1.76%	0.407%
18	9.888	3015	3028	3036	rVB8	39809	62475	1.35%	0.313%
19	9.985	3045	3058	3073	rVB2	180812	271915	5.87%	1.360%
20	10.396	3166	3185	3194	rBV	1416105	1779084	38.42%	8.900%
21	10.875	3326	3333	3340	rVV4	60847	81020	1.75%	0.405%
22	10.921	3340	3347	3355	rVB8	33167	56874	1.23%	0.285%
23	11.111	3397	3406	3411	rBV3	44982	56216	1.21%	0.281%
24	11.218	3431	3439	3446	rVB6	39740	55937	1.21%	0.280%
25	11.552	3534	3542	3552	rVB4	88133	125469	2.71%	0.628%
26	11.769	3601	3609	3614	rBV3	109465	130420	2.82%	0.652%
27	12.060	3684	3699	3705	rBV	324407	344552	7.44%	1.724%
28	12.102	3705	3712	3719	rBV2	54836	59026	1.27%	0.295%
29	12.244	3748	3756	3760	rBV2	240585	282188	6.09%	1.412%
30	12.267	3760	3763	3778	rVB	196546	213297	4.61%	1.067%
31	12.458	3806	3822	3836	rBV2	217356	312572	6.75%	1.564%
32	12.523	3836	3842	3850	rBV4	86821	100675	2.17%	0.504%
33	12.662	3877	3885	3891	rBV2	130112	172131	3.72%	0.861%
34	12.840	3932	3940	3947	rBV3	60850	72537	1.57%	0.363%
35	12.892	3947	3956	3963	rVV2	109850	131067	2.83%	0.656%
36	12.943	3963	3972	3978	rVB4	46486	58290	1.26%	0.292%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

37	13.008	3985	3992	4003	rBV5	43431	72665	1.57%	0.363%
38	13.400	4105	4113	4122	rVB2	52390	59964	1.30%	0.300%

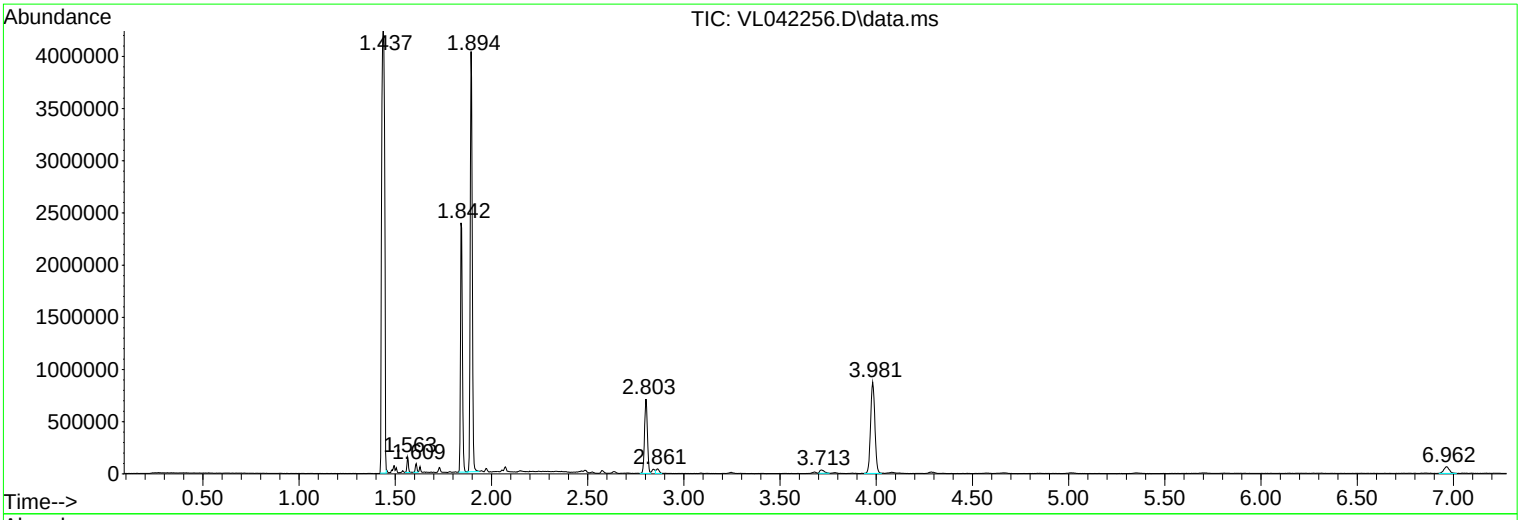
Sum of corrected areas: 19990441

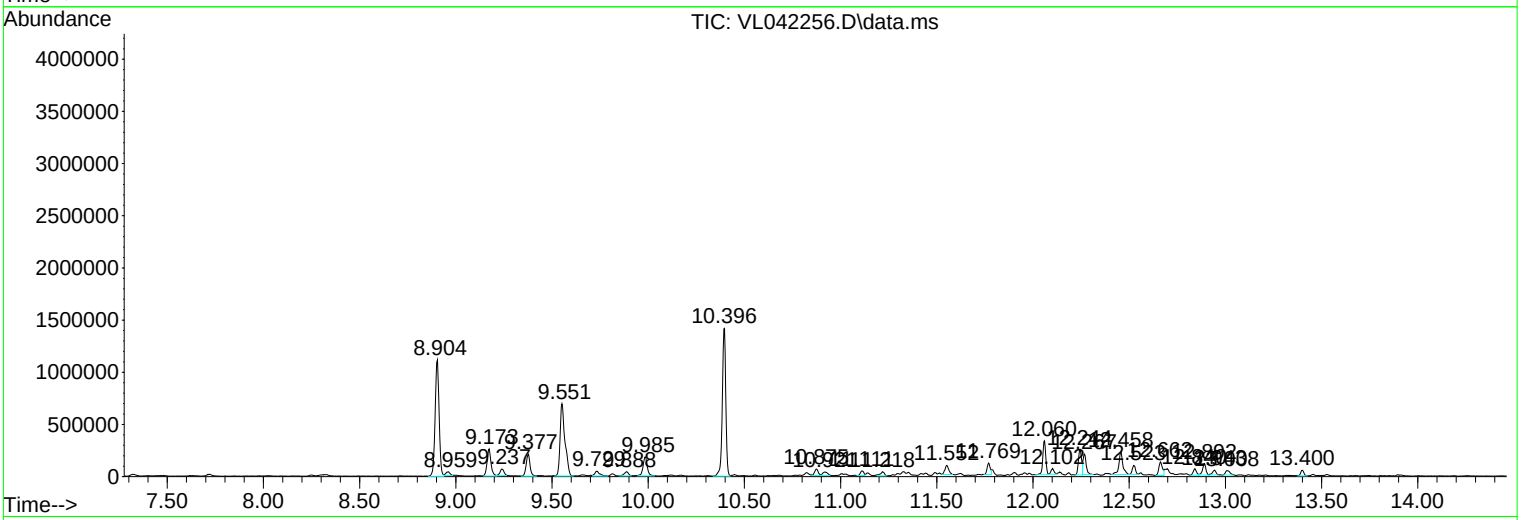
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

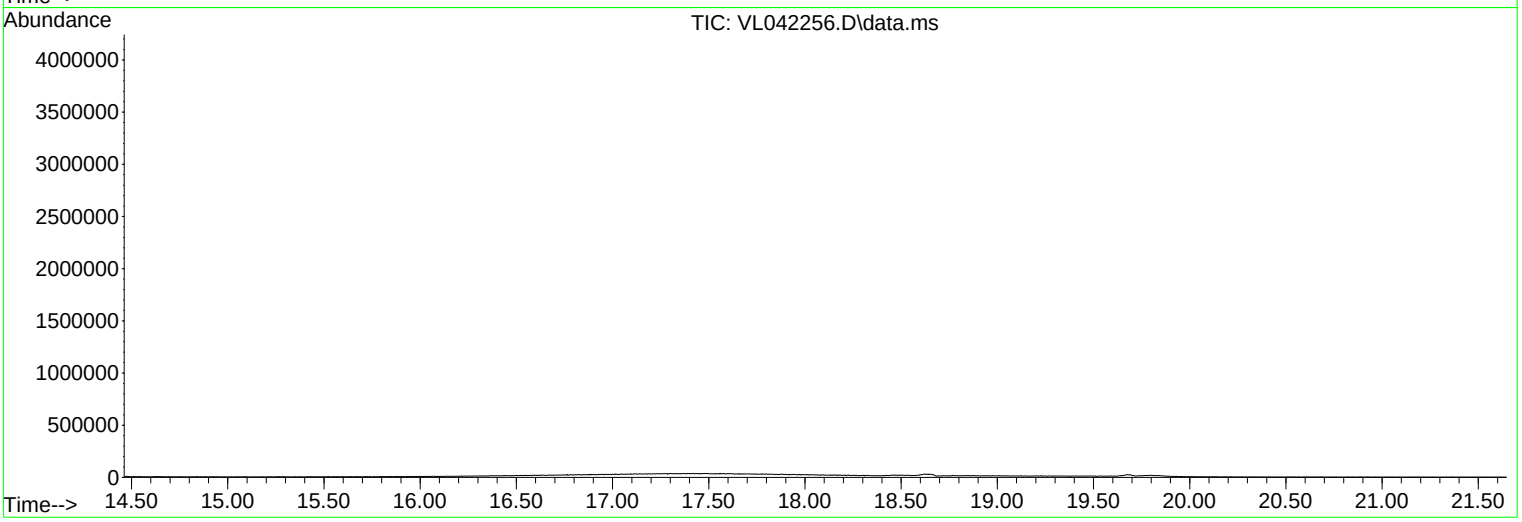
Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

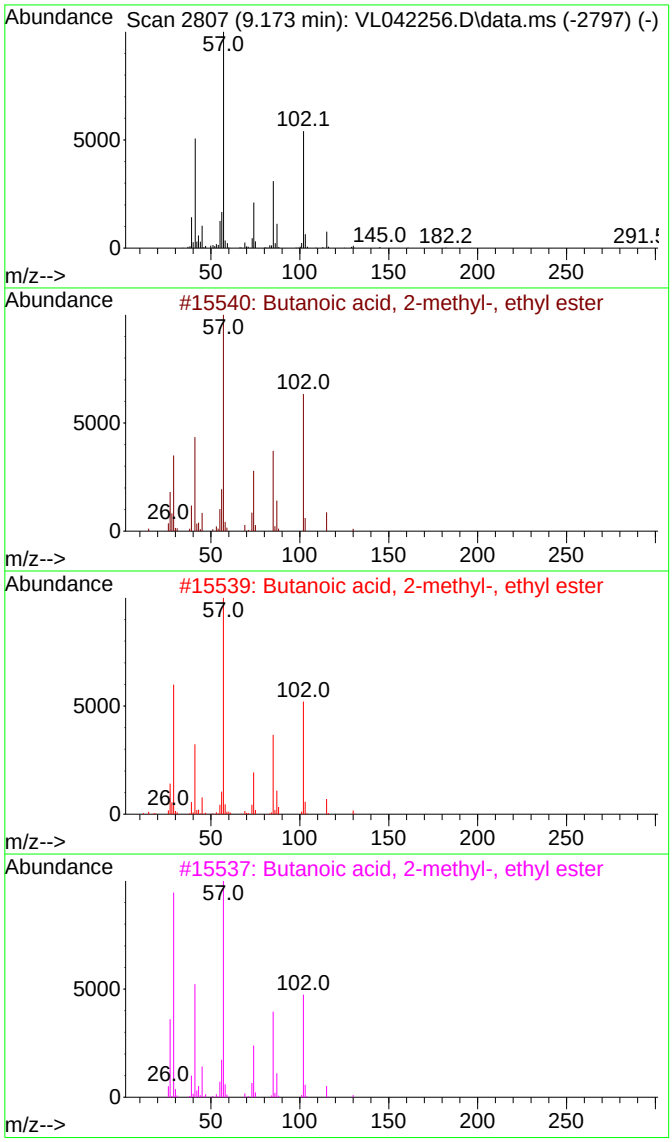
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

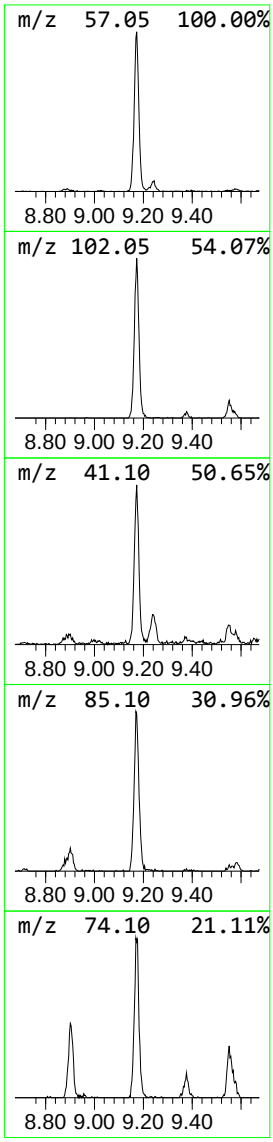
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butanoic acid, 2-methyl-, e... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.173	2.28 ppbv	365761	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	91
2	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	90
3	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	87
4	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	83
5	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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

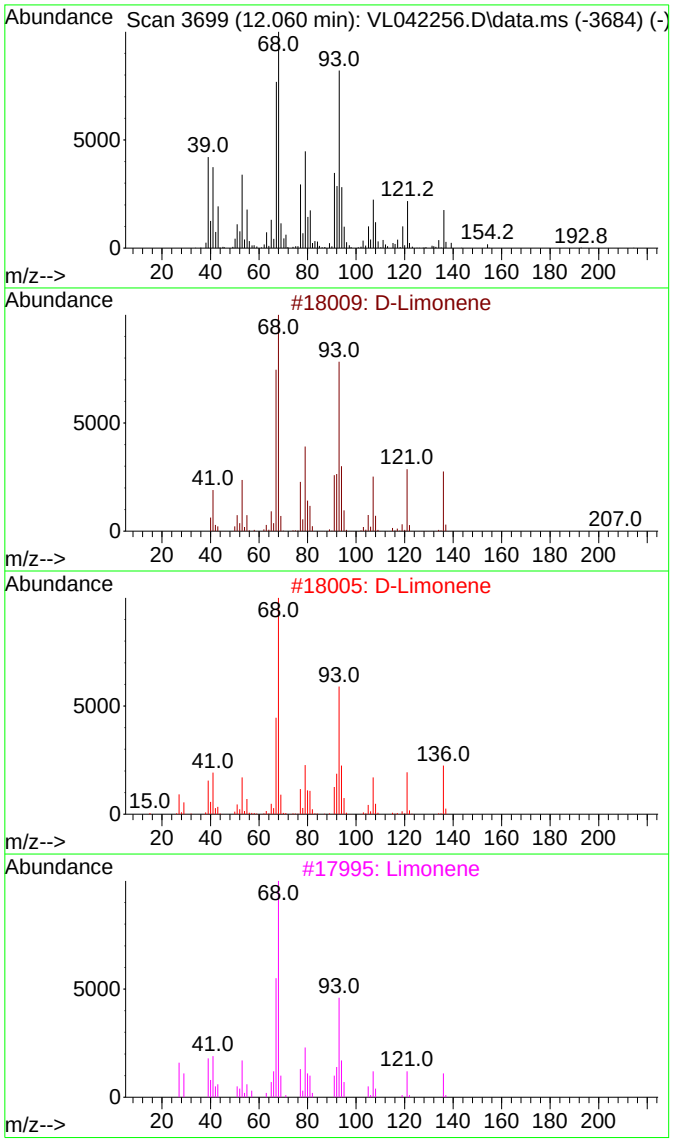
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

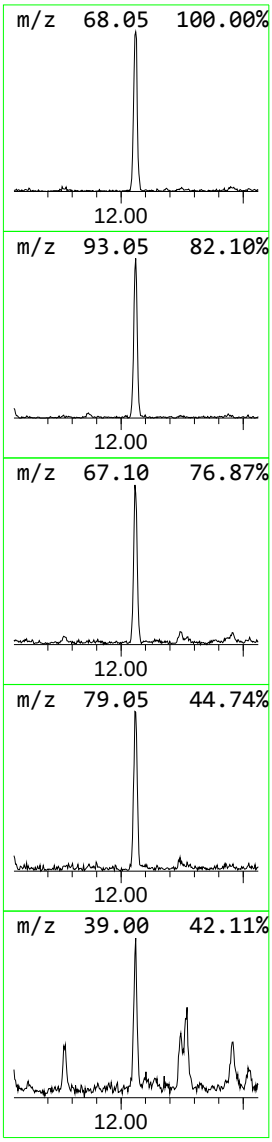
****

Peak Number 2 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	2.15 ppbv	344552	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	96
2	D-Limonene	136	C10H16	005989-27-5	94
3	Limonene	136	C10H16	000138-86-3	94
4	Limonene	136	C10H16	000138-86-3	94
5	D-Limonene	136	C10H16	005989-27-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

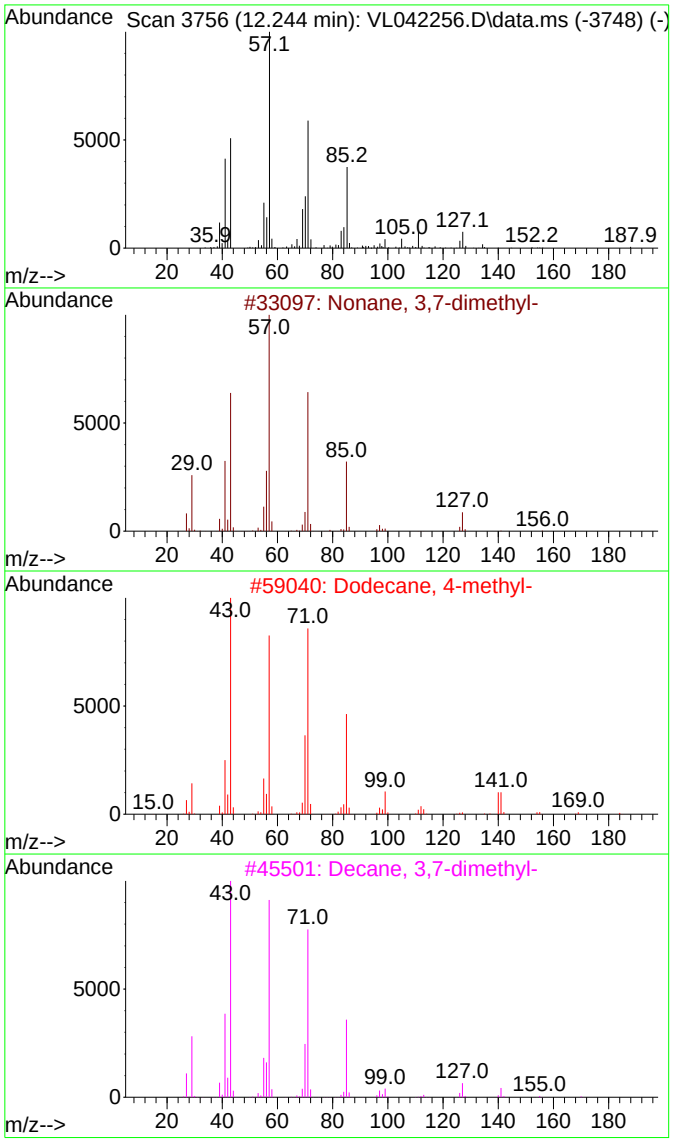
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

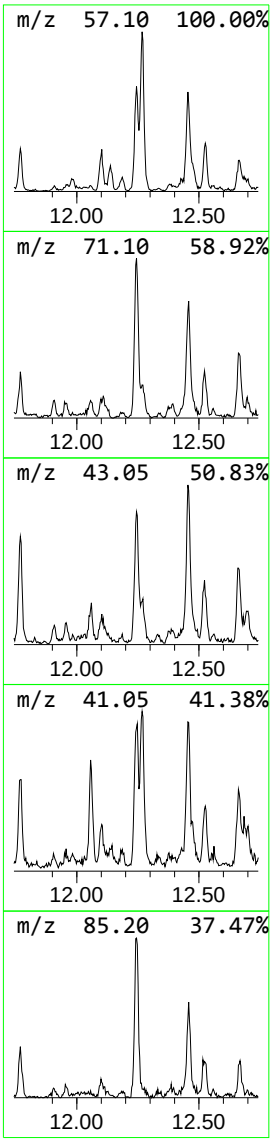
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Nonane, 3,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	1.76 ppbv	282188	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	62
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	59
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	59
4	Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	53
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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

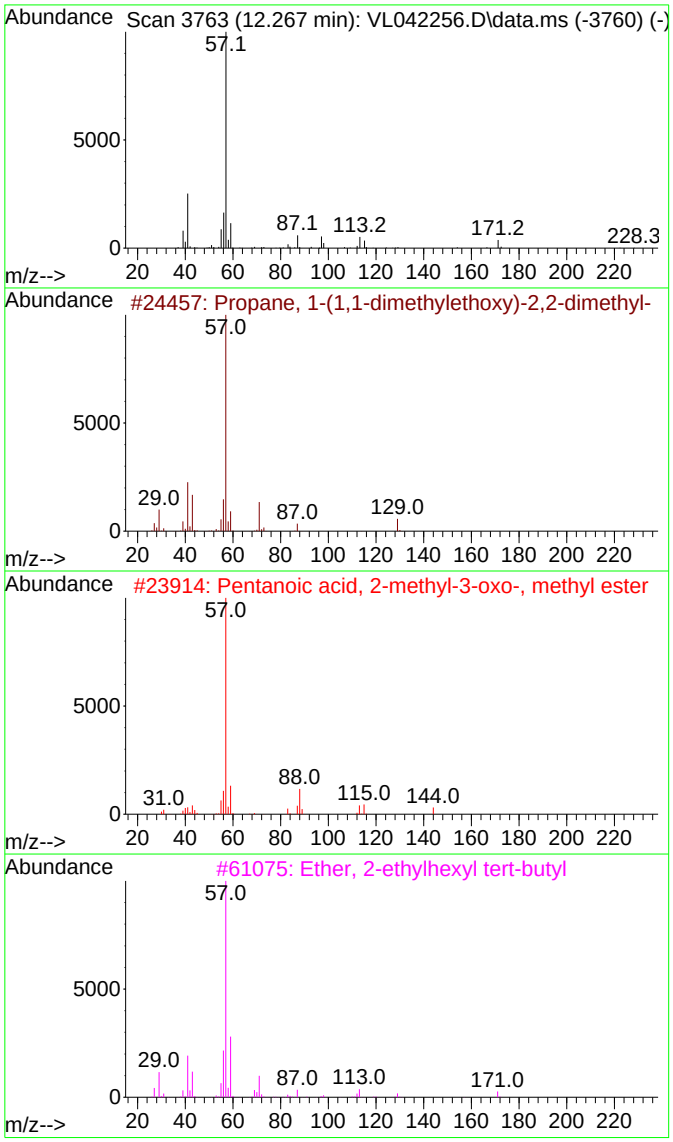
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

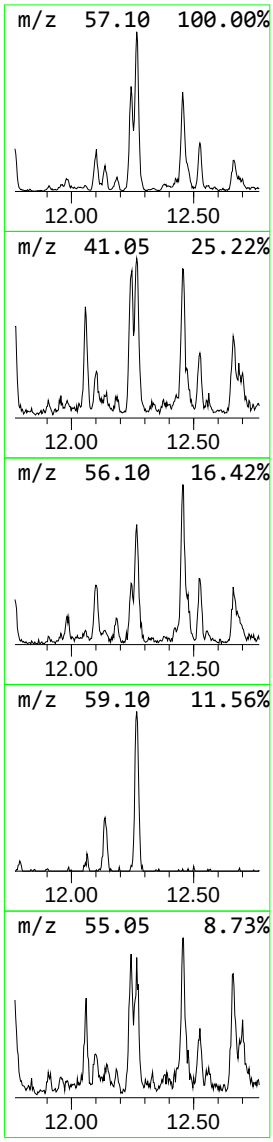
****

Peak Number 4 unknown12.267 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.267	1.33 ppbv	213297	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1-(1,1-dimethylethoxy)-...	144	C9H20O	032970-46-0	40
2	Pentanoic acid, 2-methyl-3-oxo-,...	144	C7H12O3	017422-12-7	40
3	Ether, 2-ethylhexyl tert-butyl	186	C12H26O	083704-03-4	33
4	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	12
5	Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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

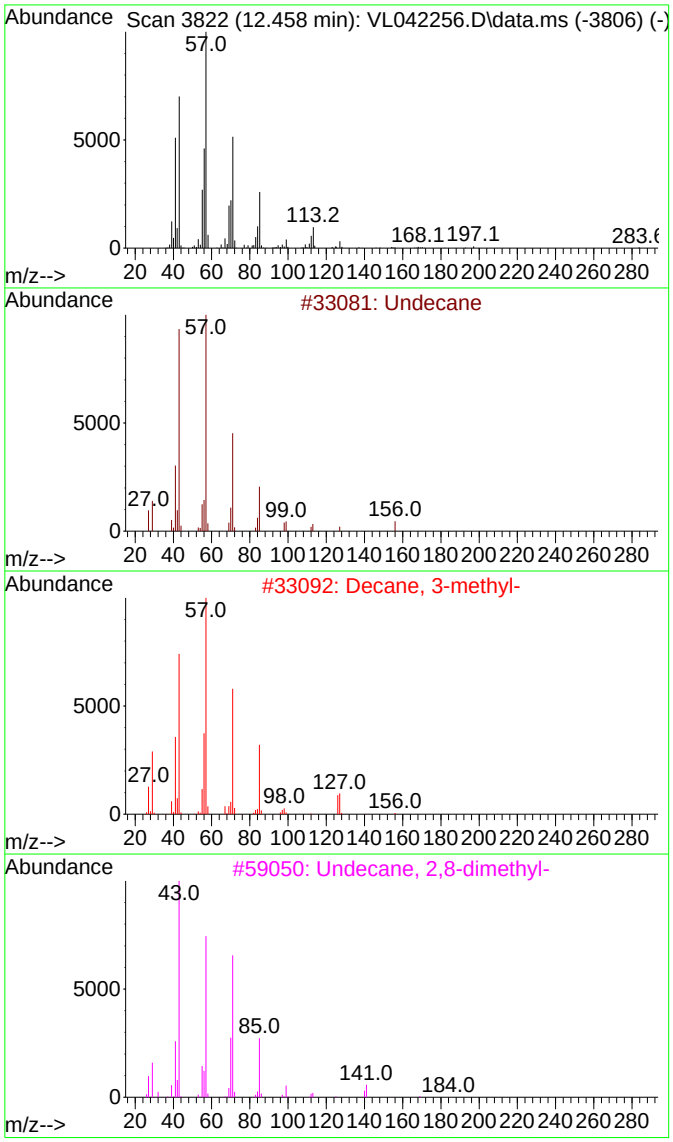
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

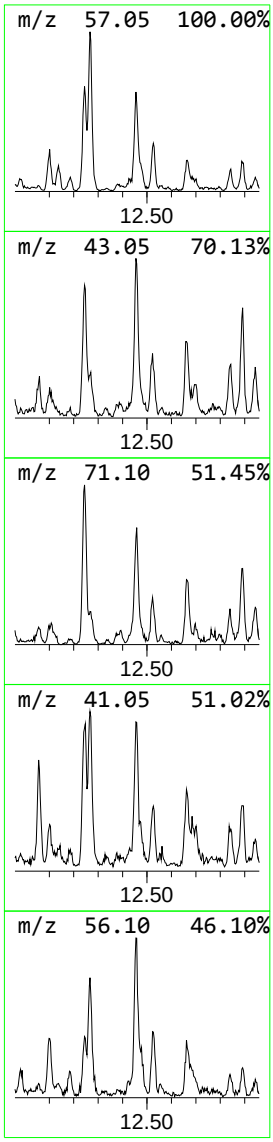
****

Peak Number 5 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.458	1.95 ppbv	312572	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	53
2	Decane, 3-methyl-	156	C11H24	013151-34-3	47
3	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	47
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	47
5	Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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

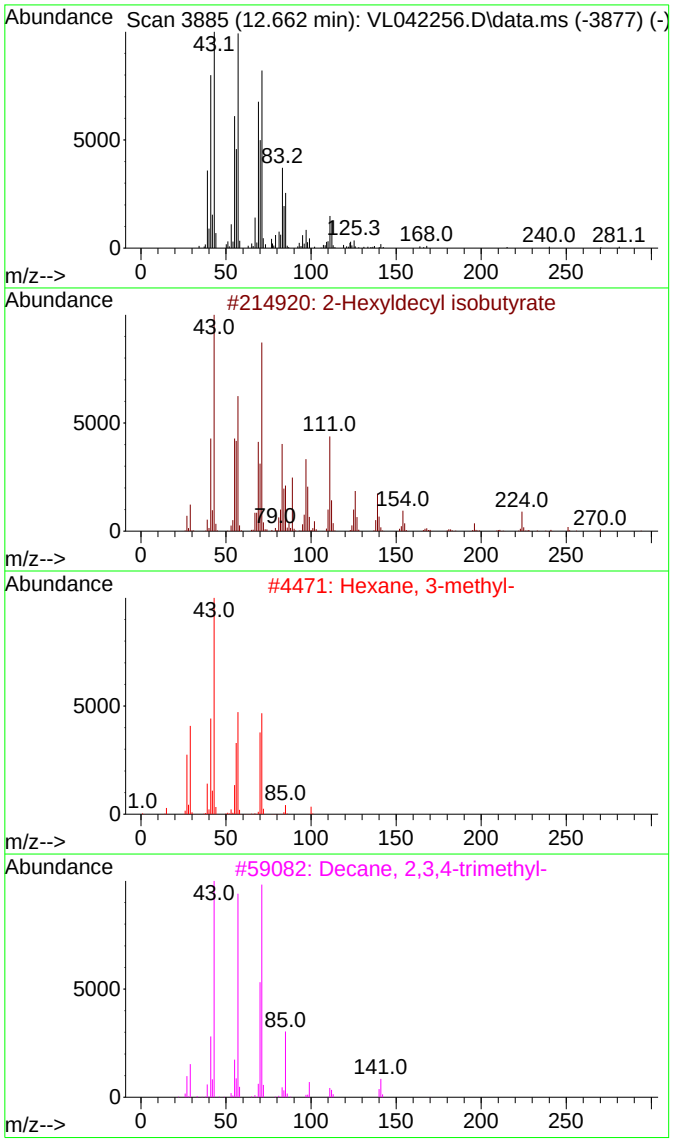
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

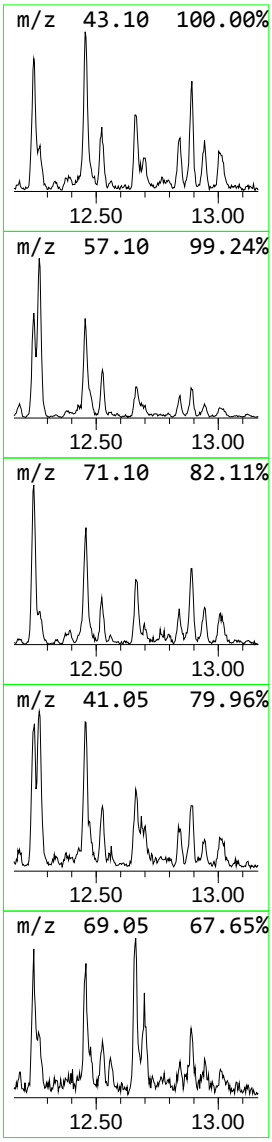
****

Peak Number 6 2-Hexyldecyl isobutyrate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.662	1.07 ppbv	172131	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexyldecyl isobutyrate	312	C20H40O2	1000368-55-3	64
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	50
3	Decane, 2,3,4-trimethyl-	184	C13H28	062238-15-7	47
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butanoic acid, ...	9.173	2.3	ppbv	365761	3	8.904	1602120	10.0
D-Limonene	12.060	2.1	ppbv	344552	3	8.904	1602120	10.0
Nonane, 3,7-dim...	12.244	1.8	ppbv	282188	3	8.904	1602120	10.0
unknown12.267	12.267	1.3	ppbv	213297	3	8.904	1602120	10.0
Undecane	12.458	2.0	ppbv	312572	3	8.904	1602120	10.0
2-Hexyldecyl is...	12.662	1.1	ppbv	172131	3	8.904	1602120	10.0

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-DUP-2-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042244.D	4		04/07/25 22:09	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.84	4.15	UD	4.15	9.89	ug/m3
74-87-3	Chloromethane	0.53	1.09	JD	0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	UD	0.15	0.31	ug/m3
74-83-9	Bromomethane	0.56	2.17	UD	2.17	7.77	ug/m3
75-00-3	Chloroethane	0.68	1.79	UD	1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.52	1.53	UD	1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.64	3.60	UD	3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	UD	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	UD	2.45	14.0	ug/m3
75-65-0	tert-Butyl alcohol	0.76	2.30	UD	2.30	6.06	ug/m3
142-82-5	Heptane	0.44	1.80	UD	1.80	8.20	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	UD	2.22	7.93	ug/m3
67-64-1	Acetone	43.7	104	D	2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	0.64	1.99	UD	1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	UD	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	1.20	4.17	JD	2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	UD	3.01	7.93	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	UD	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	UD	3.03	6.88	ug/m3
78-93-3	2-Butanone	0.48	1.42	UD	1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25	UD	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	UD	1.43	7.93	ug/m3
67-66-3	Chloroform	0.43	2.10	JD	1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	UD	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	UD	1.87	9.34	ug/m3
71-43-2	Benzene	0.35	1.12	UD	1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	UD	1.46	8.09	ug/m3
79-01-6	Trichloroethene	0.070	0.38	UD	0.38	0.64	ug/m3
78-87-5	1,2-Dichloropropane	0.44	2.03	UD	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	0.31	2.08	UD	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	UD	1.52	8.20	ug/m3
108-88-3	Toluene	0.61	2.30	JD	1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	UD	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	UD	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	UD	1.53	10.9	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-DUP-2-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042244.D	4		04/07/25 22:09	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.26	2.22	UD	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	UD	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	0.060	0.41	UD	0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	UD	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	1.00	4.34	JD	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	4.20	18.2	D	3.65	17.4	ug/m3
95-47-6	o-Xylene	0.84	3.65	JD	2.08	8.69	ug/m3
100-42-5	Styrene	0.44	1.87	UD	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	UD	2.38	20.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	UD	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	UD	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	UD	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.31	1.52	UD	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	UD	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.21	1.26	UD	1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.30	1.80	UD	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.34	2.52	UD	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	UD	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	UD	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	UD	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	UD	2.36	9.83	ug/m3
110-54-3	Hexane	0.44	1.55	UD	1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	UD	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	UD	3.03	7.21	ug/m3
80-62-6	Methyl Methacrylate	0.34	1.39	UD	1.39	8.19	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			70 (65) - 130 (135)	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	191000		2.803			
540-36-3	1,4-Difluorobenzene	486000		3.985			
3114-55-4	Chlorobenzene-d5	426000		8.904			

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-DUP-2-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042244.D	4		04/07/25 22:09	VL040725

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\VL040725\
Data File : VL042244.D
Acq On : 07 Apr 2025 22:09
Operator : SY/MD
Sample : Q1725-03DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 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 02:00:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	190938	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	485801	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	425989	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	345971	9.890	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	3344	0.119	ppbv #	85
4) Chloromethane	1.538	50	1532	0.133	ppbv	100
9) Propene	1.496	41	1795	0.136	ppbv	98
13) Ethanol	1.729	45	4551m	3.647	ppbv	
15) Acetone	1.845	43	291841	10.929	ppbv	95
19) Isopropyl Alcohol	1.894	45	547602	36.345	ppbv #	32
20) Methylene Chloride	2.072	84	2917	0.293	ppbv #	82
29) Chloroform	2.865	83	4185	0.107	ppbv #	81
34) 2-Butanone	2.580	43	3751	0.106	ppbv	97
53) Toluene	6.962	91	8739m	0.153	ppbv	
58) Ethyl Benzene	9.374	91	19351	0.256	ppbv	98
59) m/p-Xylene	9.555	91	63265	1.047	ppbv	100
60) o-Xylene	9.985	91	12718	0.210	ppbv	94

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

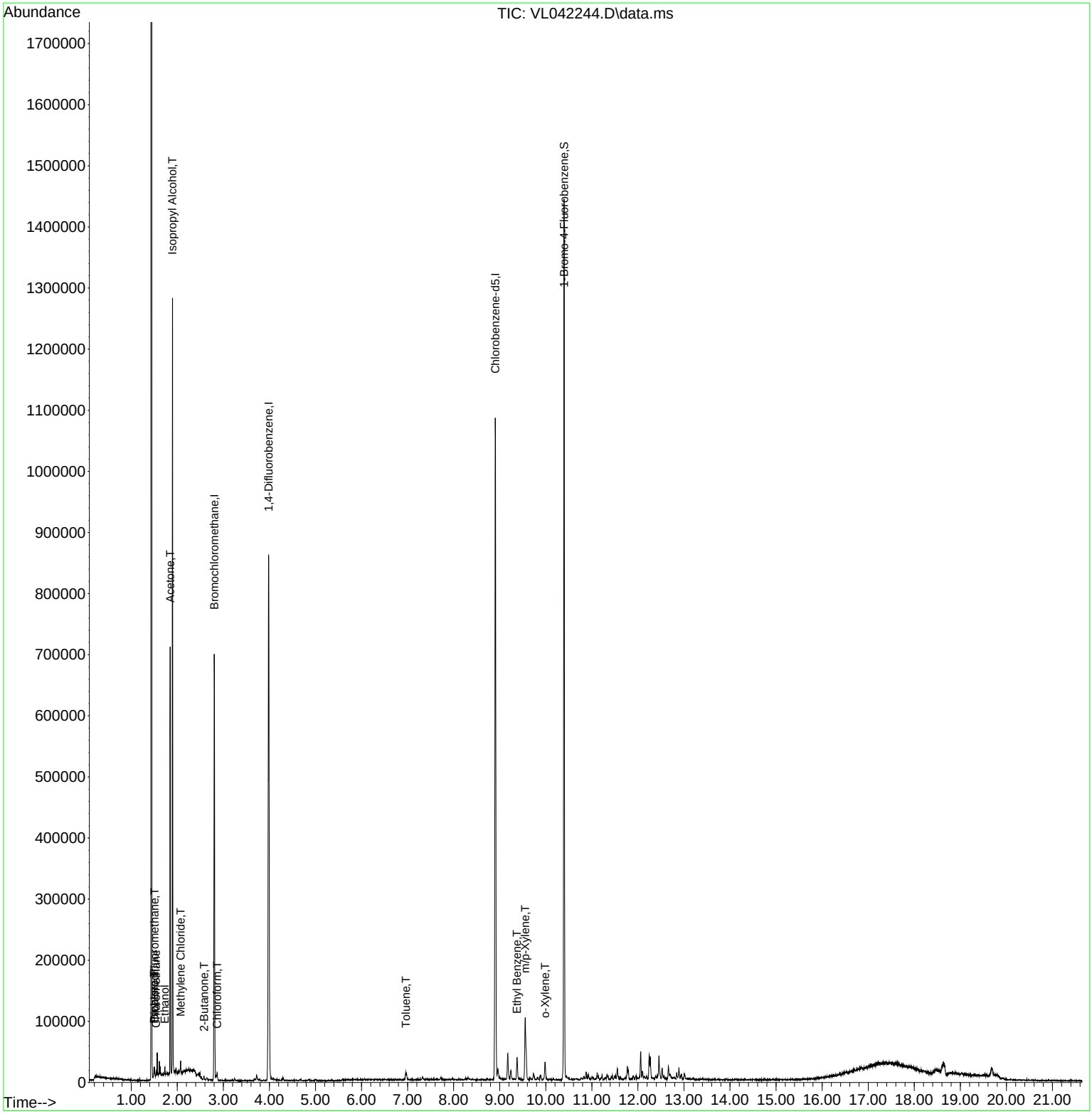
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042244.D
Acq On : 07 Apr 2025 22:09
Operator : SY/MD
Sample : Q1725-03DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

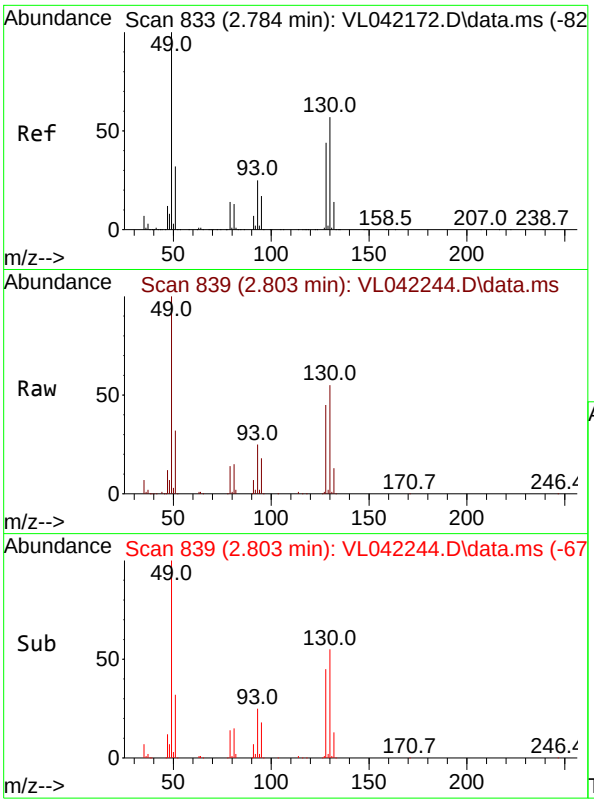
Quant Time: Apr 08 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

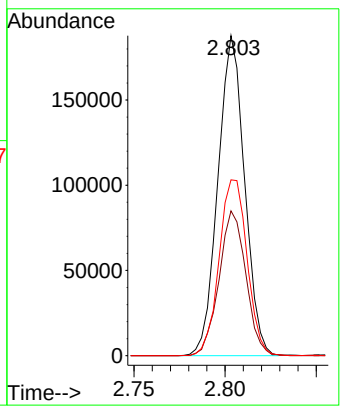
Tgt Ion: 49 Resp: 19093

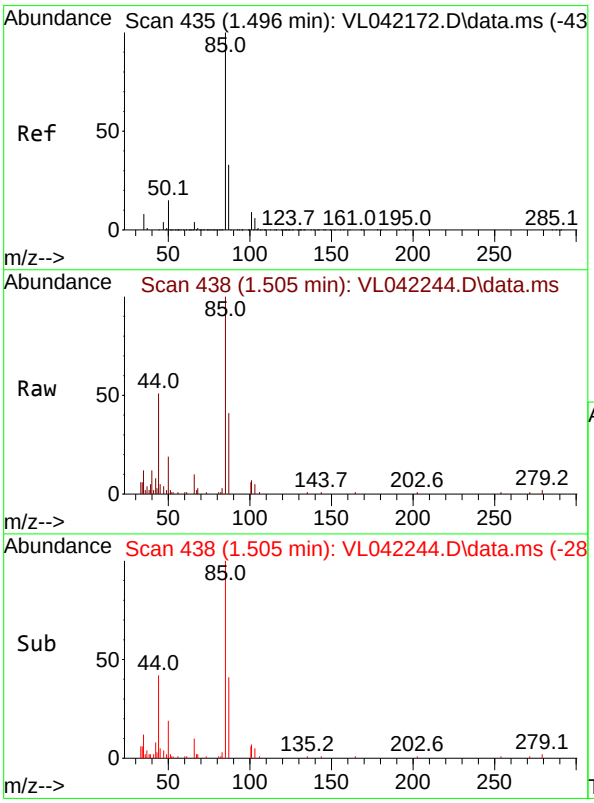
Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.9	68.5
130	57.8	28.8	86.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

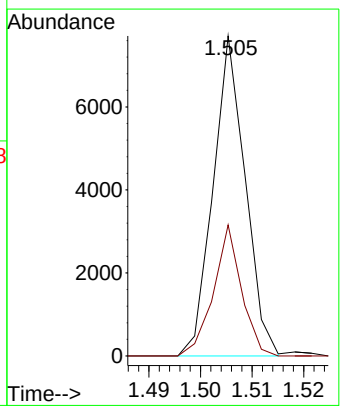


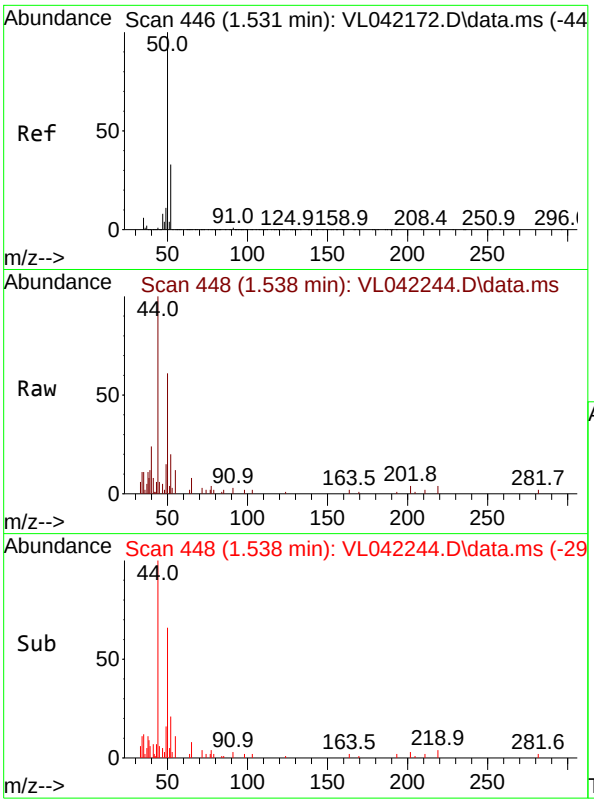


#2
Dichlorodifluoromethane
Concen: 0.119 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 85 Resp: 3344

Ion	Ratio	Lower	Upper
85	100		
87	41.0	26.1	39.1#





#4
Chloromethane
Concen: 0.133 ppbv
RT: 1.538 min Scan# 44
Delta R.T. 0.006 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

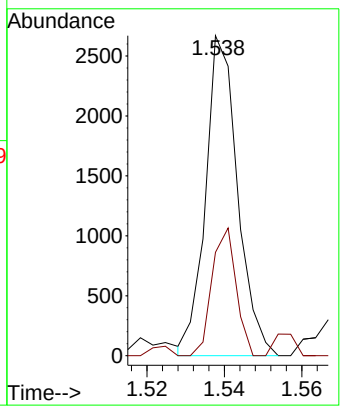
Tgt Ion: 50 Resp: 153

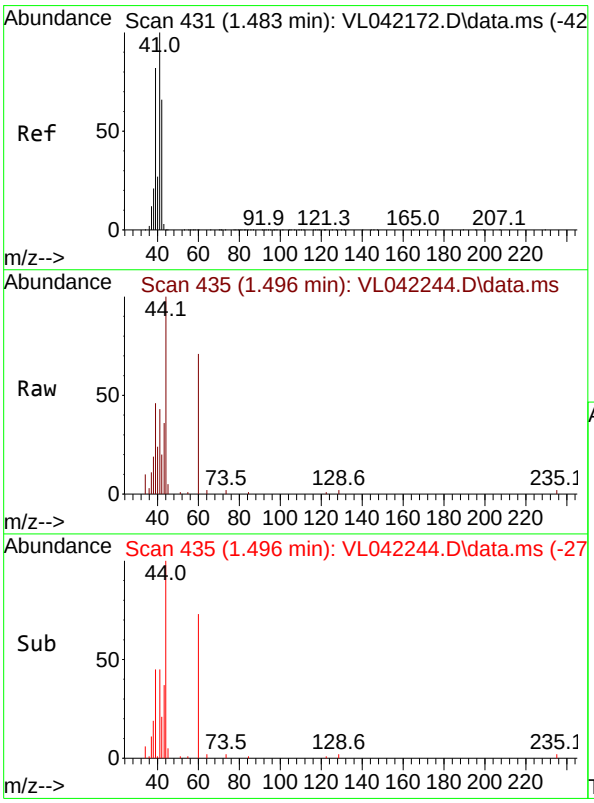
Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.1	39.1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

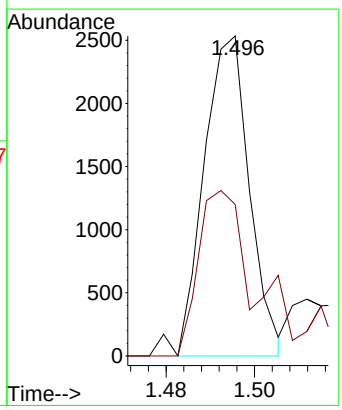


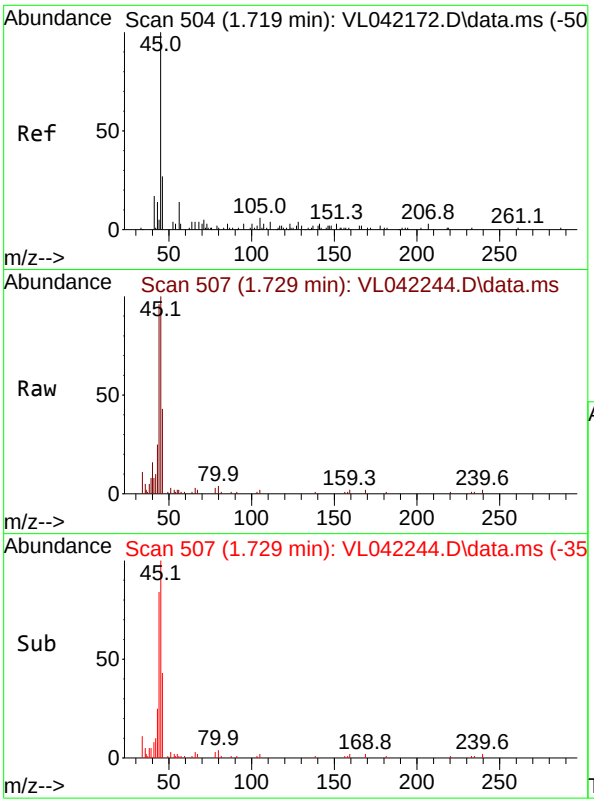


#9
Propene
Concen: 0.136 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 41 Resp: 1795

Ion	Ratio	Lower	Upper
41	100		
42	71.2	55.4	83.2





#13
Ethanol
Concen: 3.647 ppbv m
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

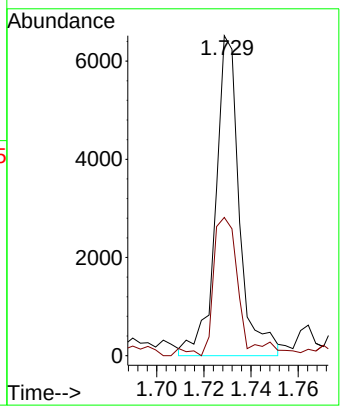
Tgt Ion: 45 Resp: 455

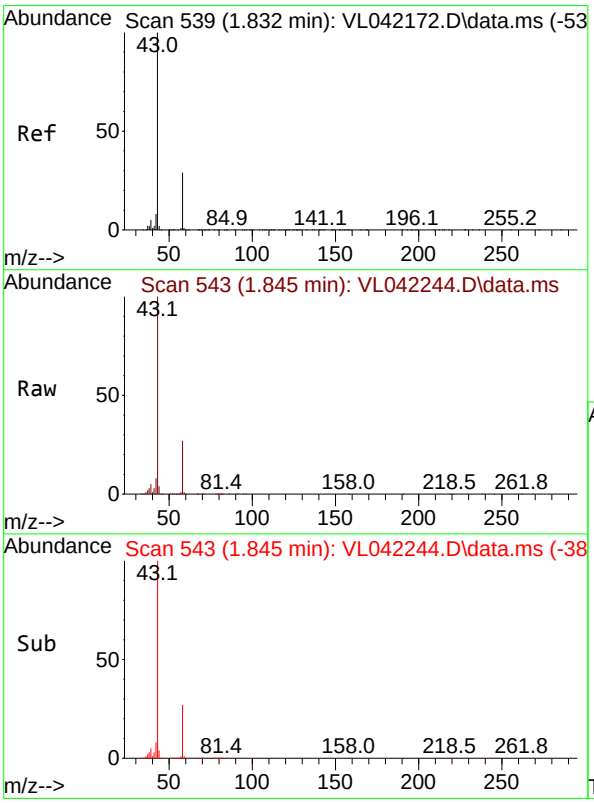
Ion	Ratio	Lower	Upper
45	100		
46	277.6	20.2	80.8

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

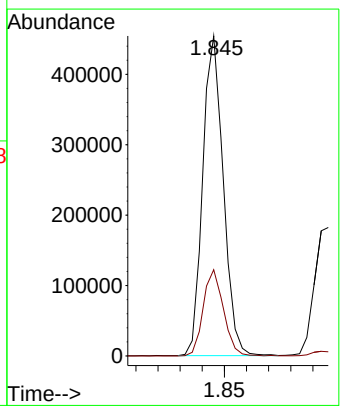


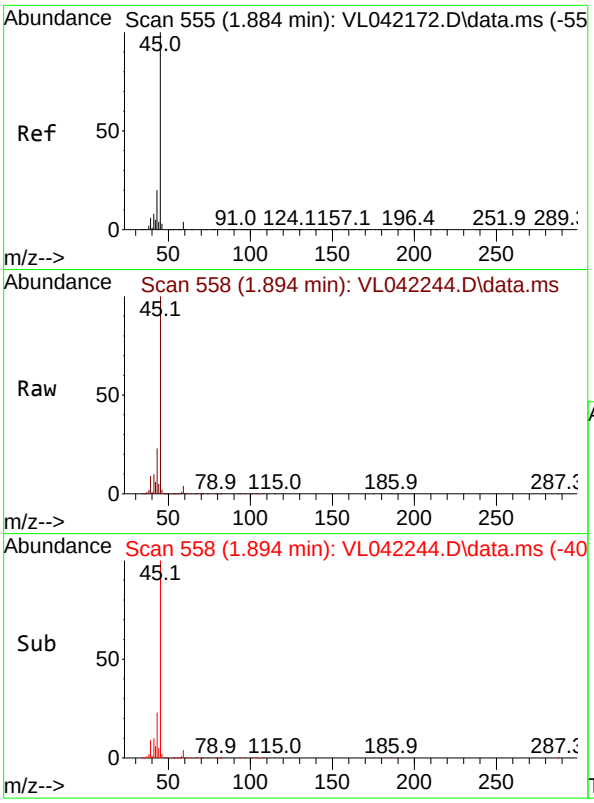


#15
Acetone
Concen: 10.929 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 43 Resp: 291841

Ion	Ratio	Lower	Upper
43	100		
58	26.6	23.2	34.8





#19
Isopropyl Alcohol
Concen: 36.345 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

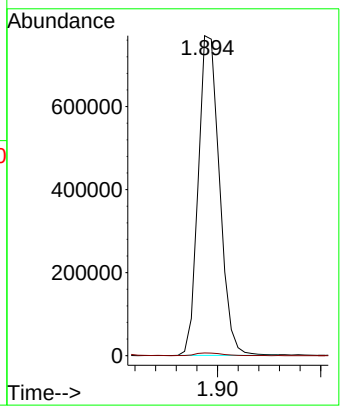
Tgt Ion: 45 Resp: 54760

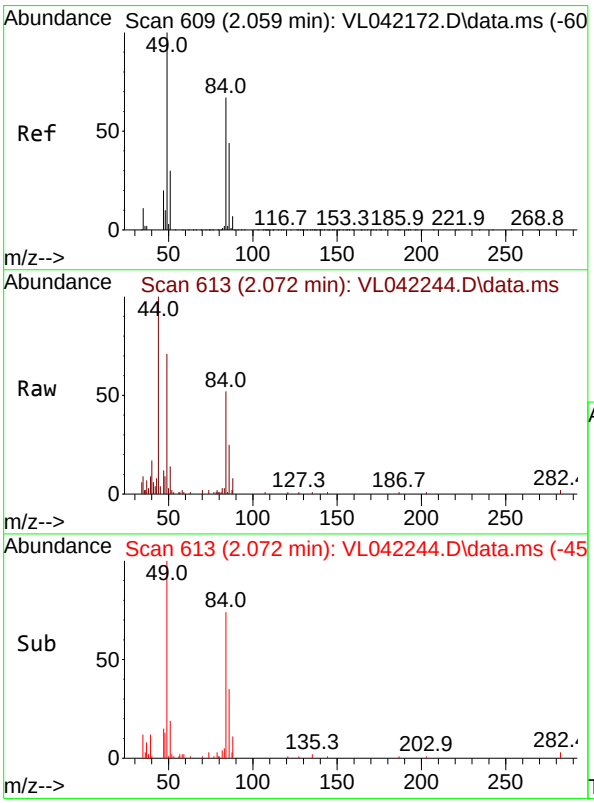
Ion	Ratio	Lower	Upper
45	100		
58	1.2	36.9	55.3#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

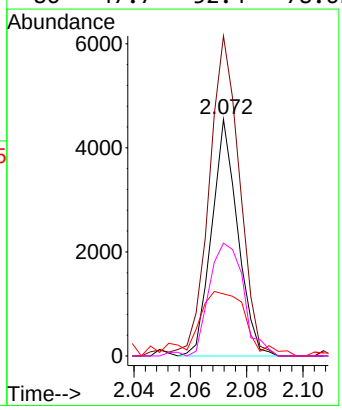


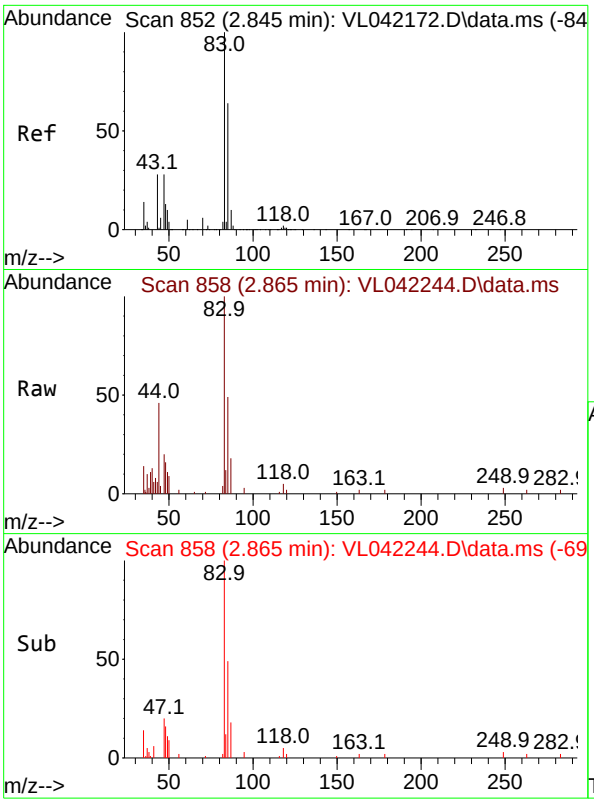


#20
Methylene Chloride
Concen: 0.293 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 84 Resp: 2917

Ion	Ratio	Lower	Upper
84	100		
49	135.2	120.2	180.4
51	24.3	37.4	56.0#
86	47.7	52.4	78.6#





#29
Chloroform
Concen: 0.107 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

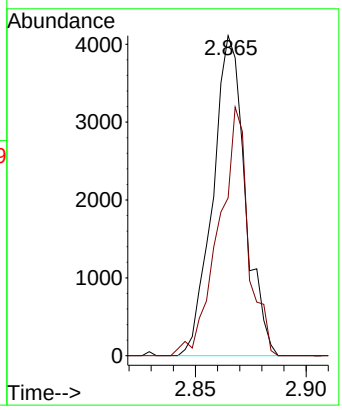
Tgt Ion: 83 Resp: 418

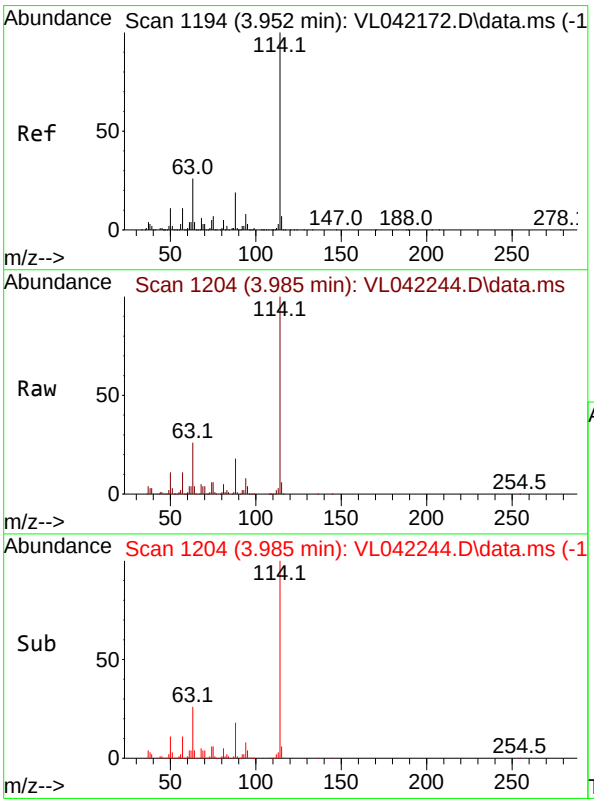
Ion	Ratio	Lower	Upper
83	100		
85	49.3	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

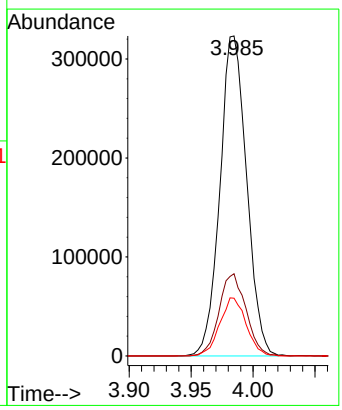


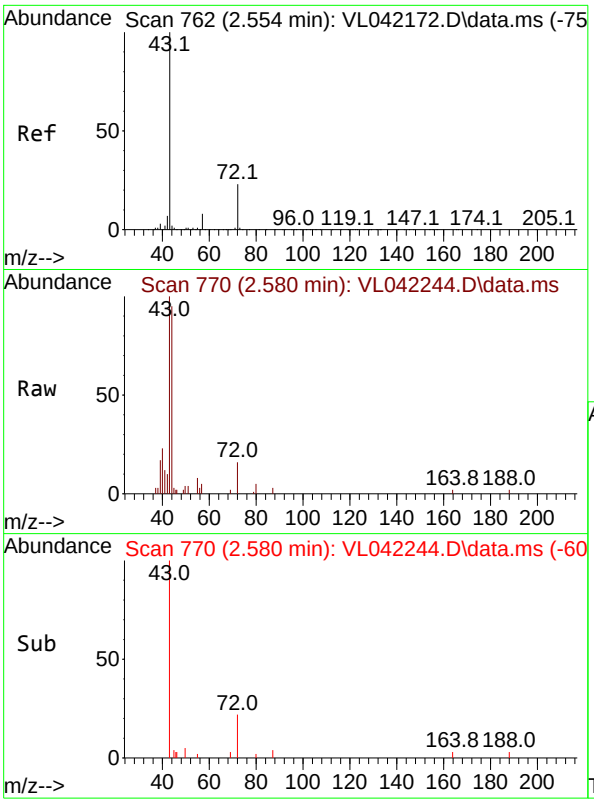


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion:114 Resp: 485801

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	17.9	15.0	22.4





#34
2-Butanone
Concen: 0.106 ppbv
RT: 2.580 min Scan# 7
Delta R.T. 0.026 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

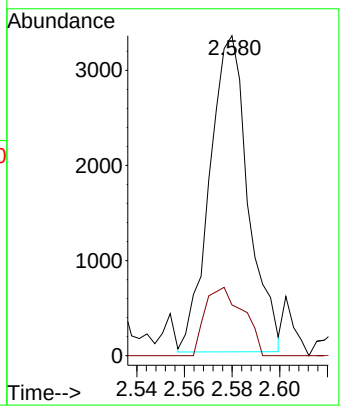
Tgt Ion: 43 Resp: 375

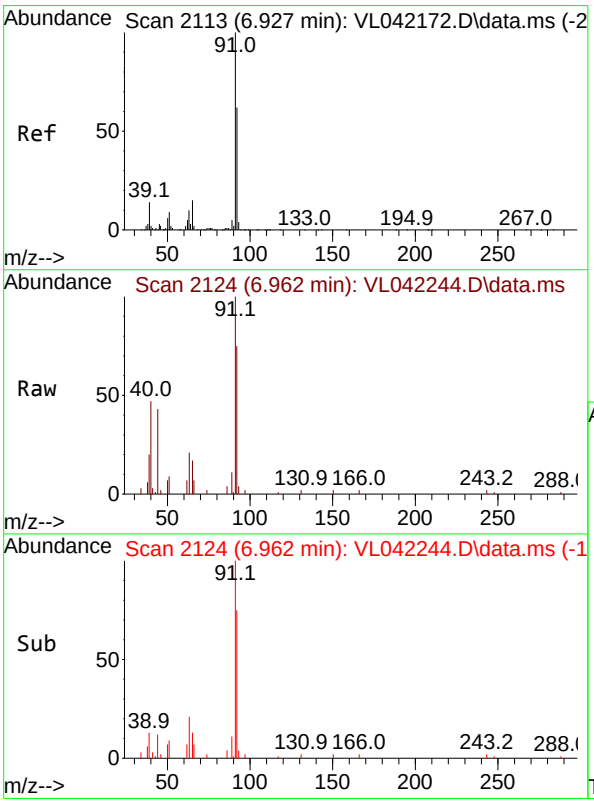
Ion	Ratio	Lower	Upper
43	100		
72	21.4	18.2	27.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

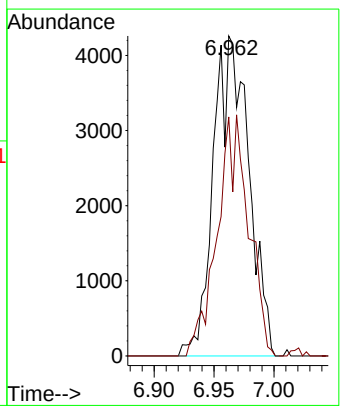


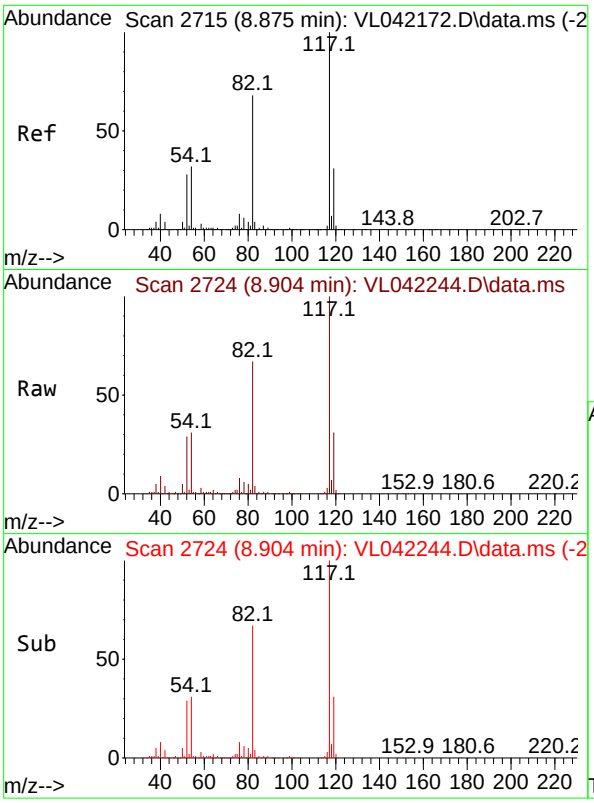


#53
Toluene
Concen: 0.153 ppbv m
RT: 6.962 min Scan# 2124
Delta R.T. 0.035 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 91 Resp: 8739

Ion	Ratio	Lower	Upper
91	100		
92	67.8	48.4	72.6

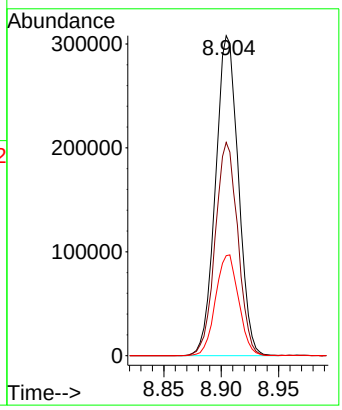




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion:117 Resp: 42598

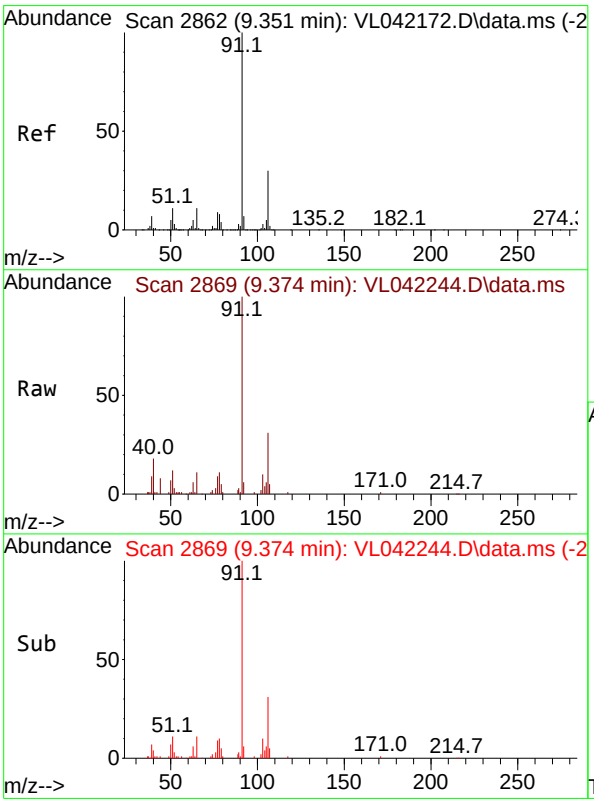
Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.8	83.6
119	31.9	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

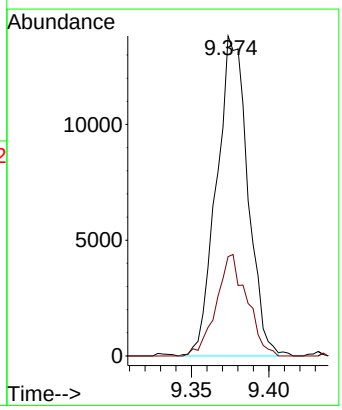
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

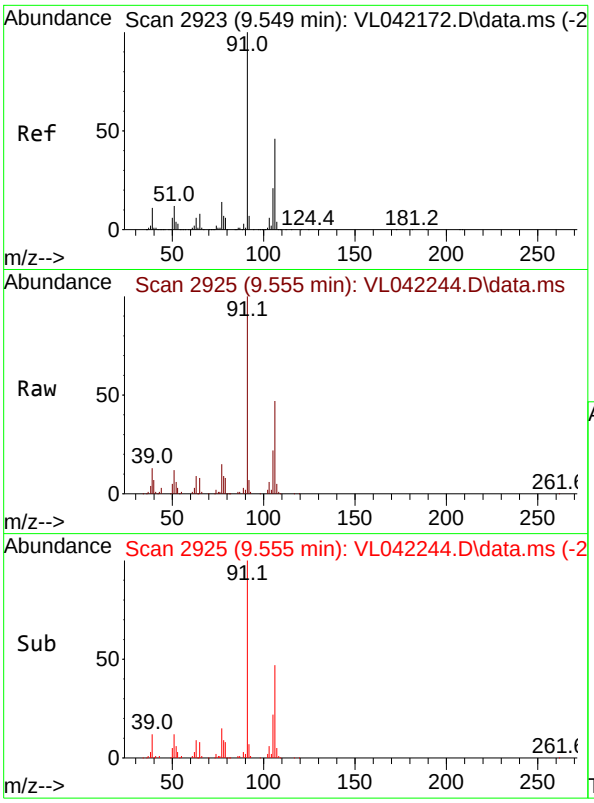


#58
Ethyl Benzene
Concen: 0.256 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.023 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 91 Resp: 19351

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.2	36.2





#59
m/p-Xylene
Concen: 1.047 ppbv
RT: 9.555 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

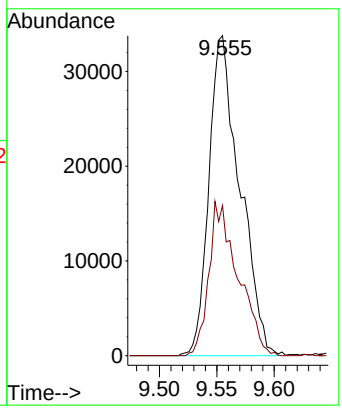
Tgt Ion: 91 Resp: 6326

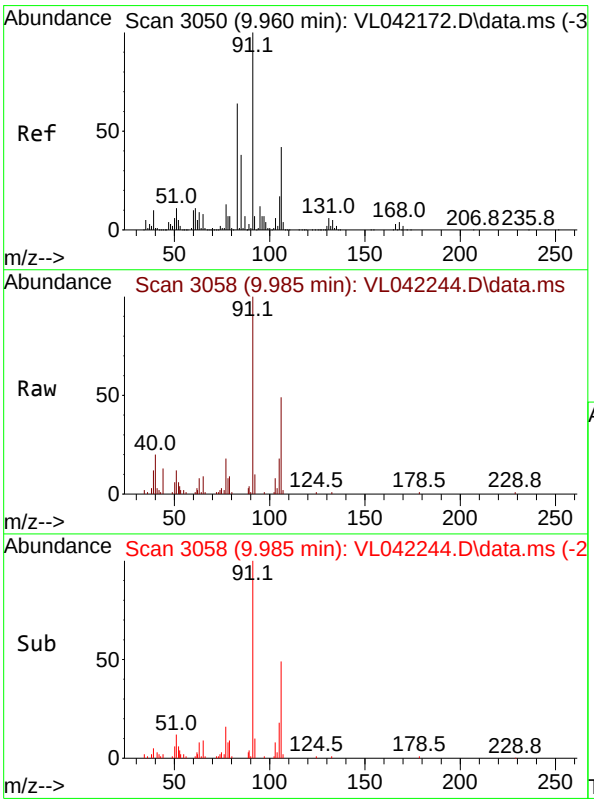
Ion	Ratio	Lower	Upper
91	100		
106	45.6	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

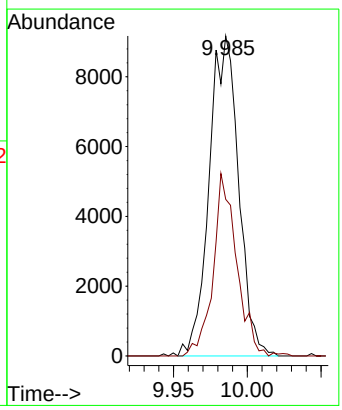


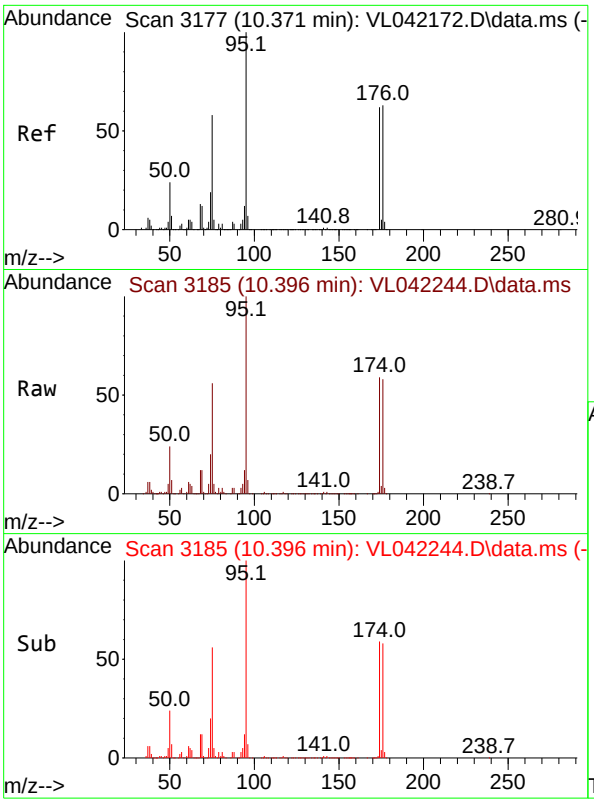


#60
o-Xylene
Concen: 0.210 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 91 Resp: 12718

Ion	Ratio	Lower	Upper
91	100		
106	45.7	20.8	62.5

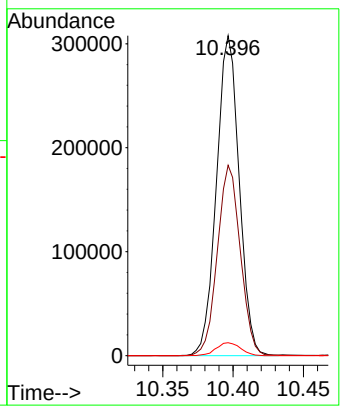




#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 95 Resp: 34597

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.4	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	AA-1-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-04	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
VL042231.D	1		04/07/25 12:27	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.40	1.98	J	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	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.21	1.18	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	J	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	5.10	12.1		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.40	1.39	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.53	1.56		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	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.14	0.45	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.13	0.53	J	0.37	2.05	ug/m3
108-88-3	Toluene	0.61	2.30		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	AA-1-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-04	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
VL042231.D	1		04/07/25 12:27	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.22	0.96	J	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.33	1.16	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.70			70 (65) - 130 (135)	97%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	203000		2.8			
540-36-3	1,4-Difluorobenzene	551000		3.978			
3114-55-4	Chlorobenzene-d5	480000		8.901			
TENTITIVE IDENTIFIED COMPOUNDS							
75-45-6	Chlorodifluoromethane	0.28		J		1.48	ppbv
115-07-1	Propene	0.48		J		1.49	ppbv
64-17-5	Ethanol	13.2		J		1.73	ppbv

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	AA-1-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-04	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
VL042231.D	1		04/07/25 12:27	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
67-63-0	Isopropyl Alcohol	1.10		J		1.89	ppbv

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\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 08 01:30:38 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 :
AA-1-03312025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	202620	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.978	114	551417	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.901	117	479781	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	381172	9.674	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	12053	0.403	ppbv		95
3) Chlorodifluoromethane	1.483	51	8523m	0.279	ppbv		
4) Chloromethane	1.538	50	7078	0.579	ppbv		97
9) Propene	1.492	41	6667	0.476	ppbv	#	80
10) Heptane	5.004	43	4131m	0.111	ppbv		
11) Trichlorofluoromethane	1.884	101	5976	0.205	ppbv		92
13) Ethanol	1.729	45	17438	13.168	ppbv		81
15) Acetone	1.842	43	143188	5.053	ppbv		96
19) Isopropyl Alcohol	1.894	45	17414	1.089	ppbv	#	1
20) Methylene Chloride	2.072	84	4263	0.404	ppbv	#	76
26) Hexane	2.842	57	9360	0.329	ppbv	#	44
34) 2-Butanone	2.573	43	21340	0.534	ppbv		92
35) Carbon Tetrachloride	3.784	117	2850m	0.066	ppbv		
36) Benzene	3.671	78	7483	0.137	ppbv	#	91
50) 4-Methyl-2-Pentanone	5.804	43	8496m	0.134	ppbv		
53) Toluene	6.959	91	39177m	0.605	ppbv		
59) m/p-Xylene	9.545	91	14796m	0.217	ppbv		

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

Quantitation Report (QT Reviewed)

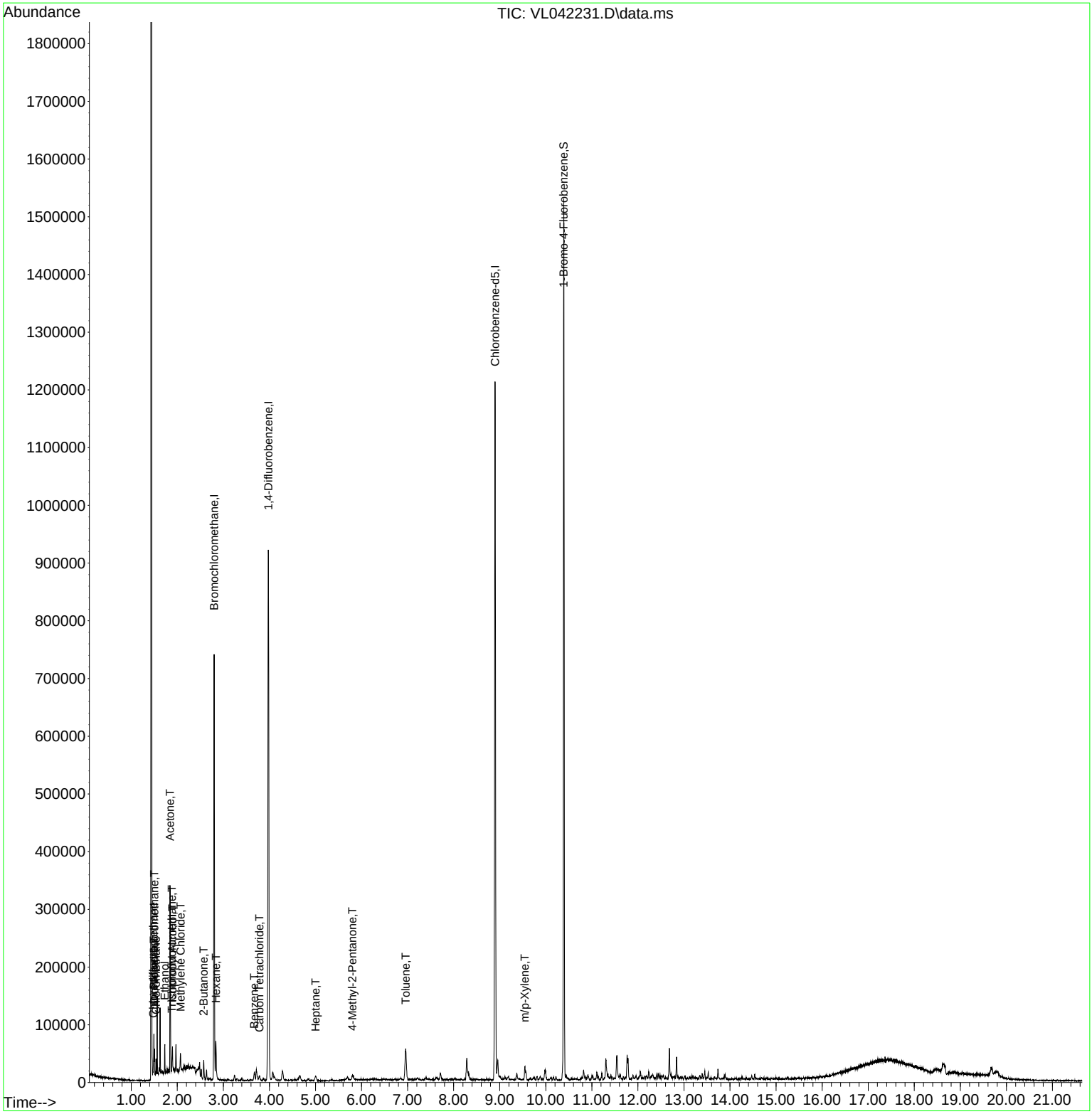
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

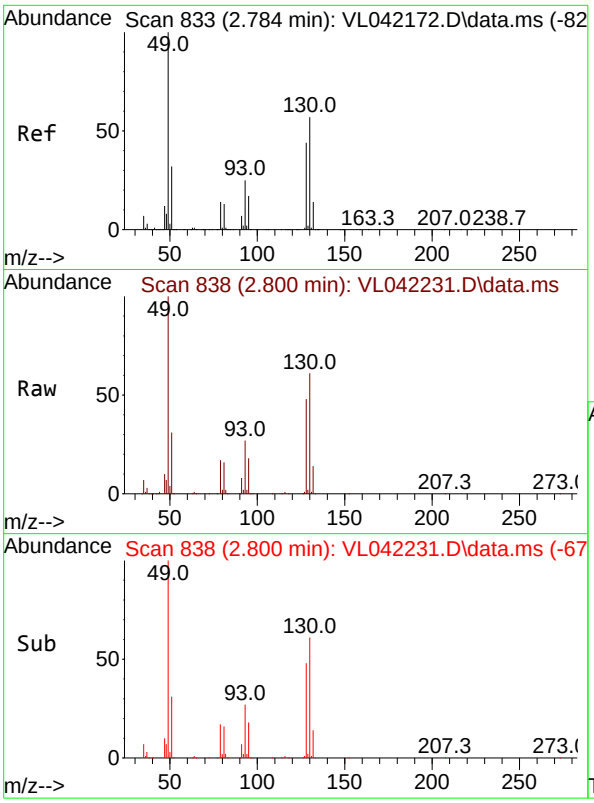
Quant Time: Apr 08 01:30:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

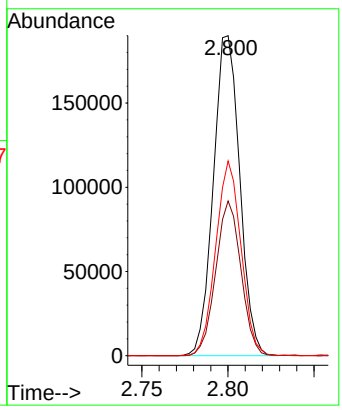




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 49 Resp: 20262

Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.9	68.5
130	58.4	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

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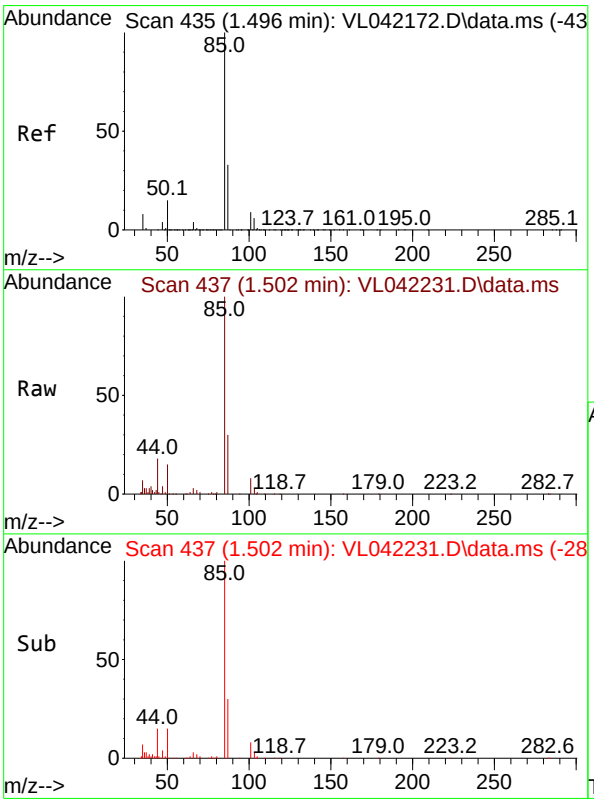
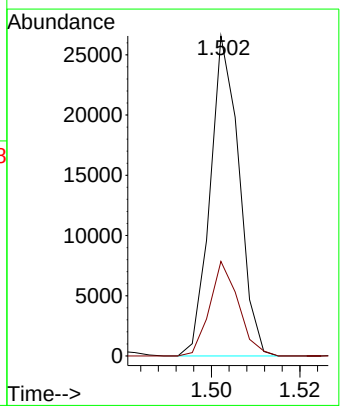
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

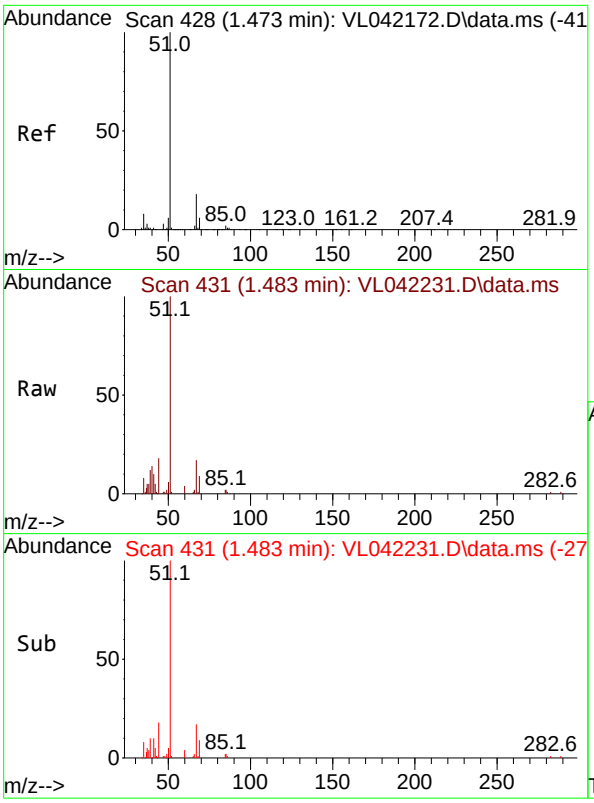


#2
Dichlorodifluoromethane
Concen: 0.403 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 85 Resp: 12053

Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.1	39.1

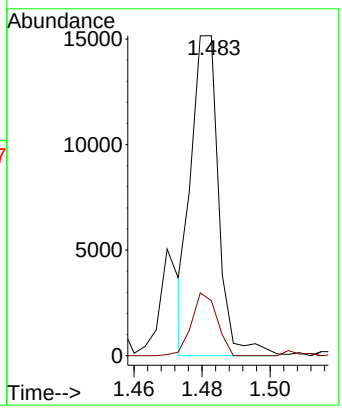




#3
Chlorodifluoromethane
Concen: 0.279 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 51 Resp: 852

Ion	Ratio	Lower	Upper
51	100		
67	2.4	15.0	22.6#



Instrument :
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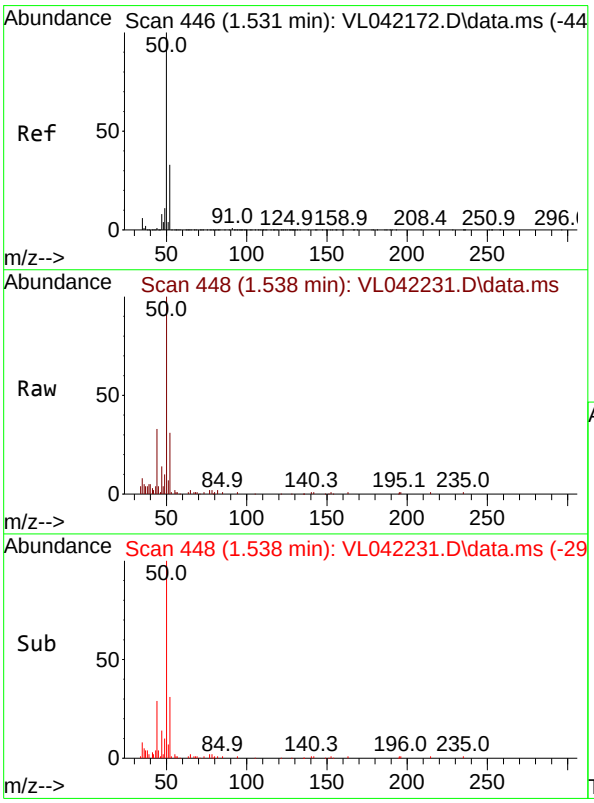
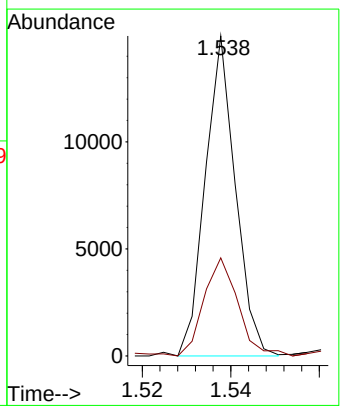
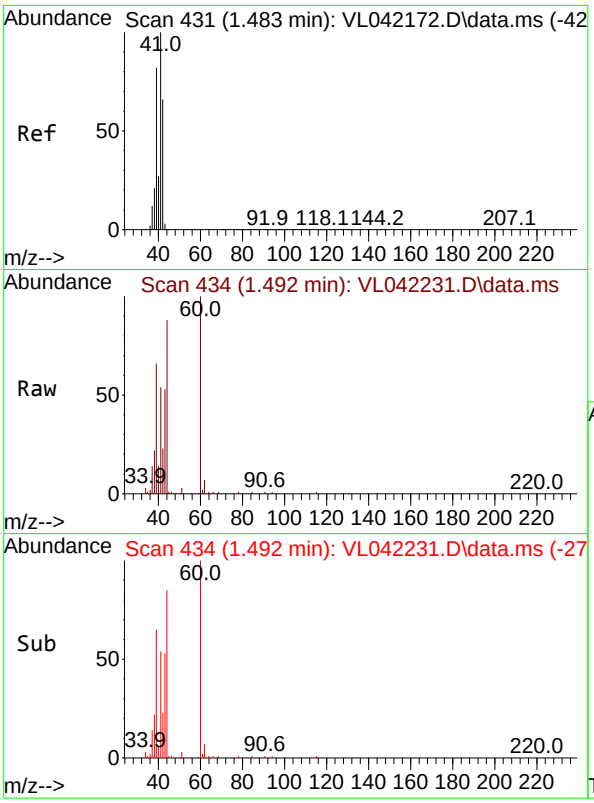


#4
Chloromethane
Concen: 0.579 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 50 Resp: 7078

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.1	39.1





#9
Propene
Concen: 0.476 ppbv
RT: 1.492 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 41 Resp: 666

Ion	Ratio	Lower	Upper
41	100		
42	52.8	55.4	83.2#

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

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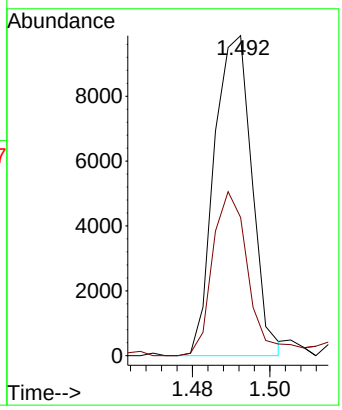
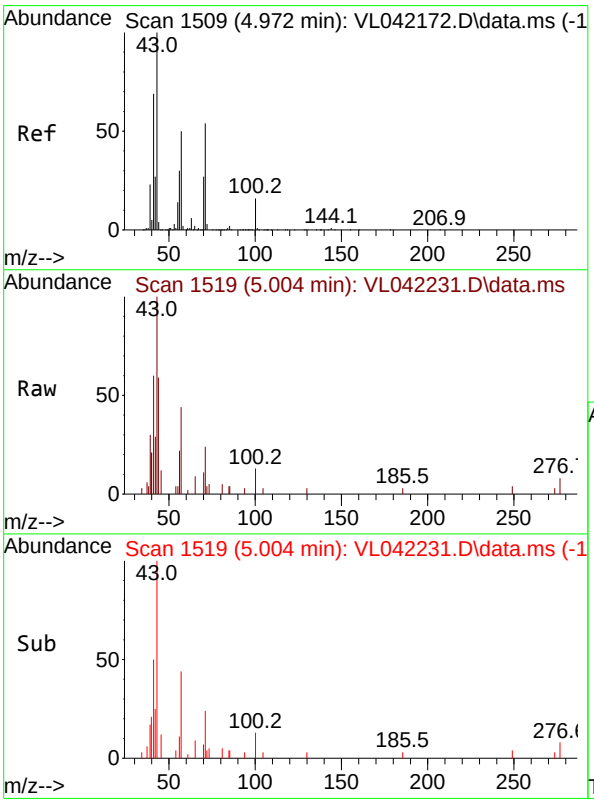
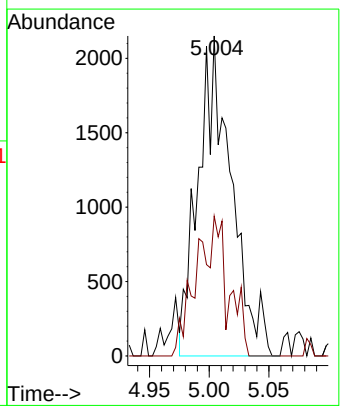


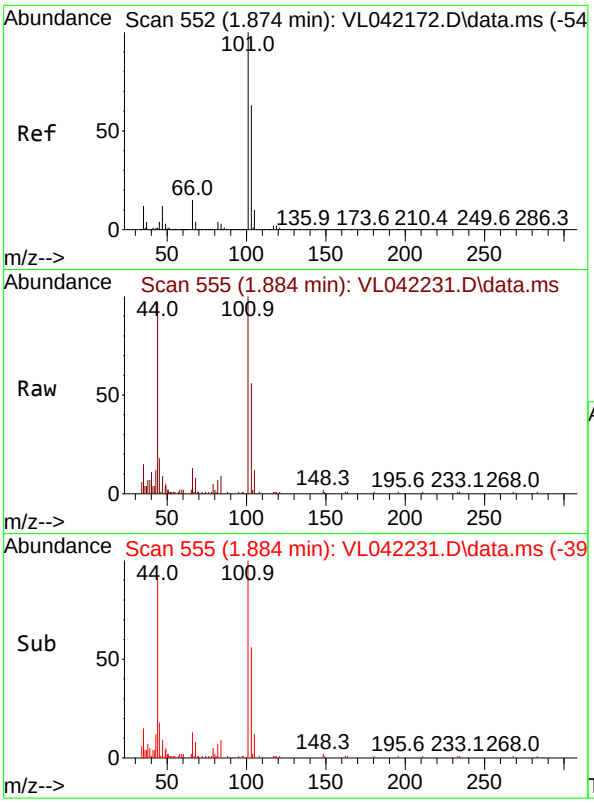


#10
Heptane
Concen: 0.111 ppbv m
RT: 5.004 min Scan# 1519
Delta R.T. 0.032 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 43 Resp: 4131

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2#

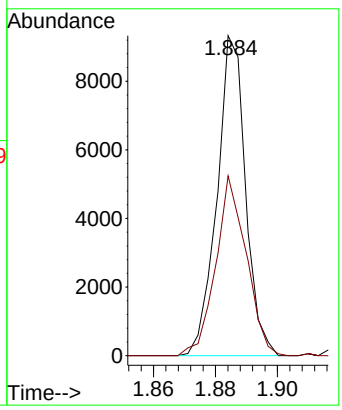




#11
Trichlorofluoromethane
Concen: 0.205 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:101 Resp: 597

Ion	Ratio	Lower	Upper
101	100		
103	56.2	50.2	75.2



Instrument :
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ClientSampleId :
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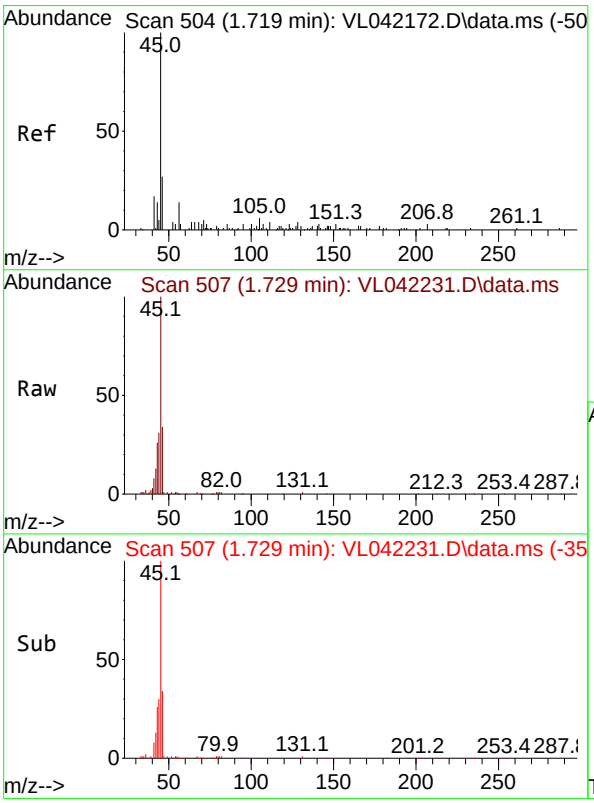
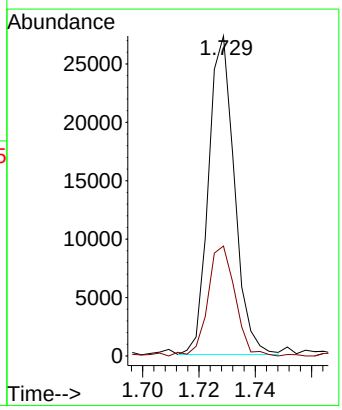
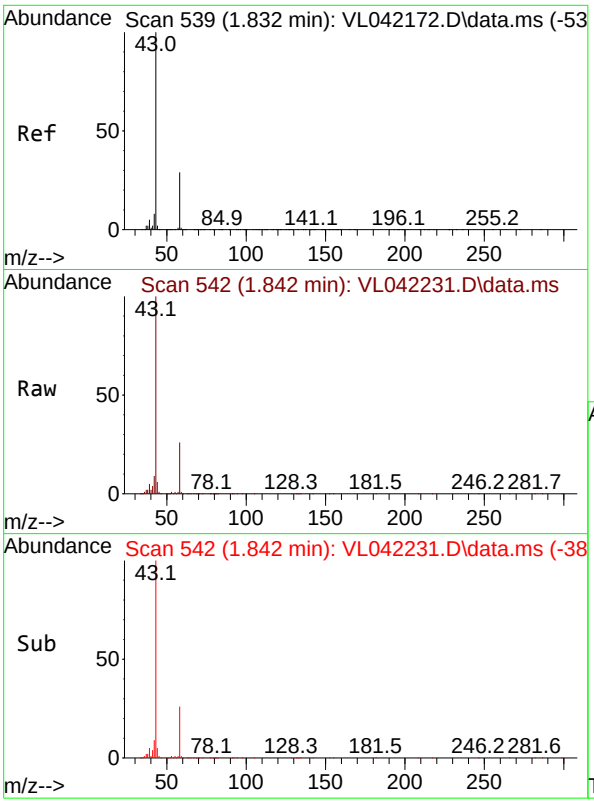


#13
Ethanol
Concen: 13.168 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 45 Resp: 17438

Ion	Ratio	Lower	Upper
45	100		
46	37.7	20.2	80.8

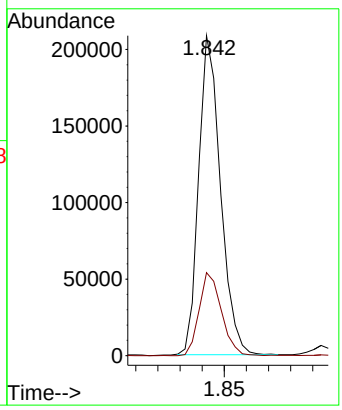




#15
Acetone
Concen: 5.053 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 43 Resp: 14318

Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

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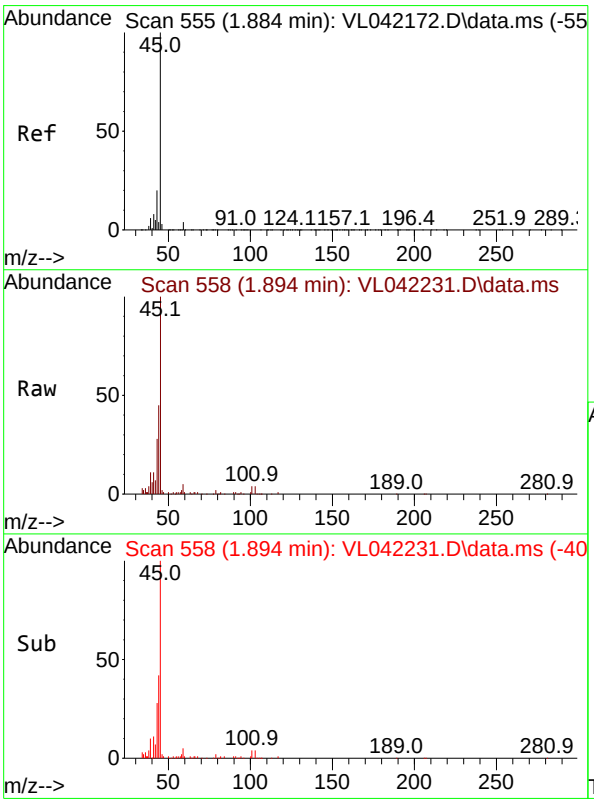
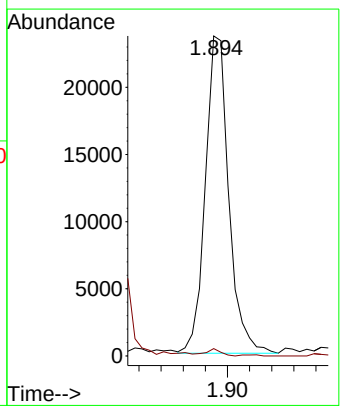
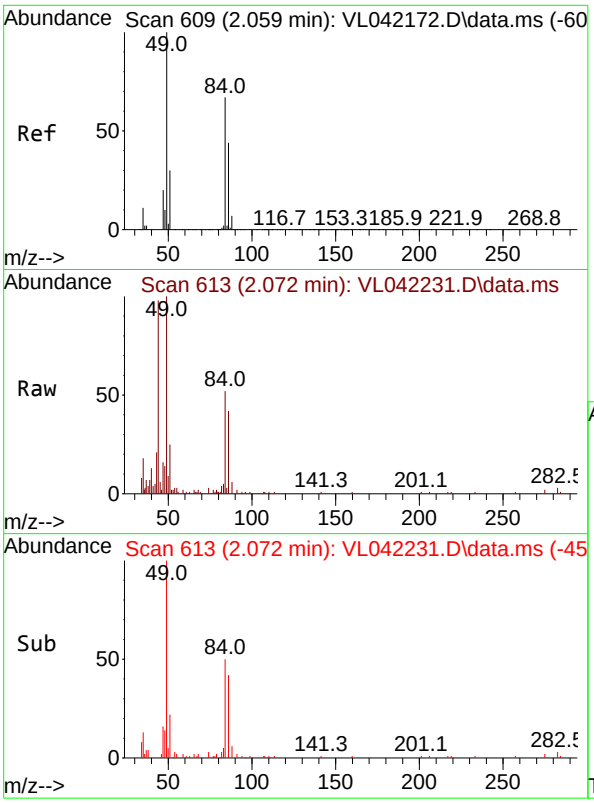


#19
Isopropyl Alcohol
Concen: 1.089 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 45 Resp: 17414

Ion	Ratio	Lower	Upper
45	100		
58	219.8	36.9	55.3#

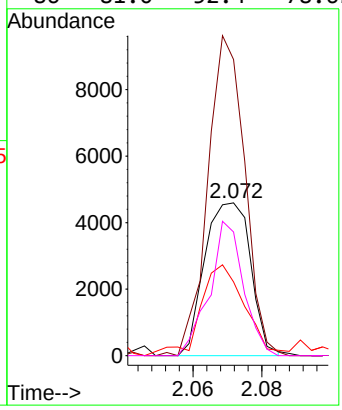




#20
Methylene Chloride
Concen: 0.404 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 84 Resp: 426

Ion	Ratio	Lower	Upper
84	100		
49	191.3	120.2	180.4#
51	44.7	37.4	56.0
86	81.0	52.4	78.6#



Instrument :
MSVOA_L
ClientSampleId :
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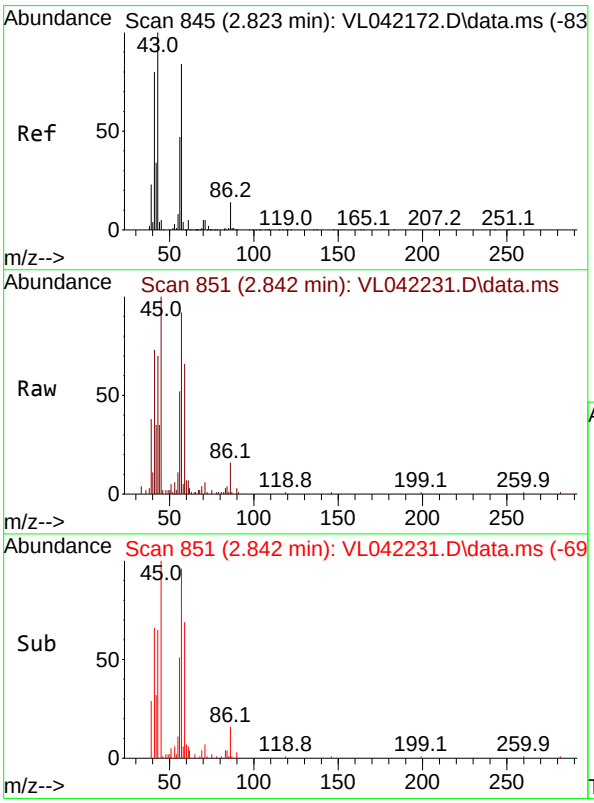
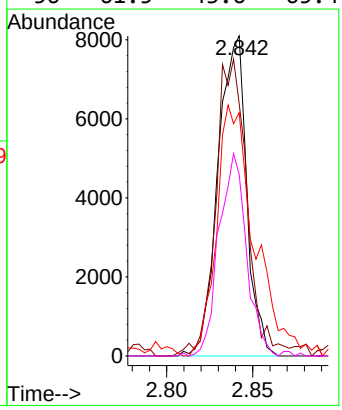
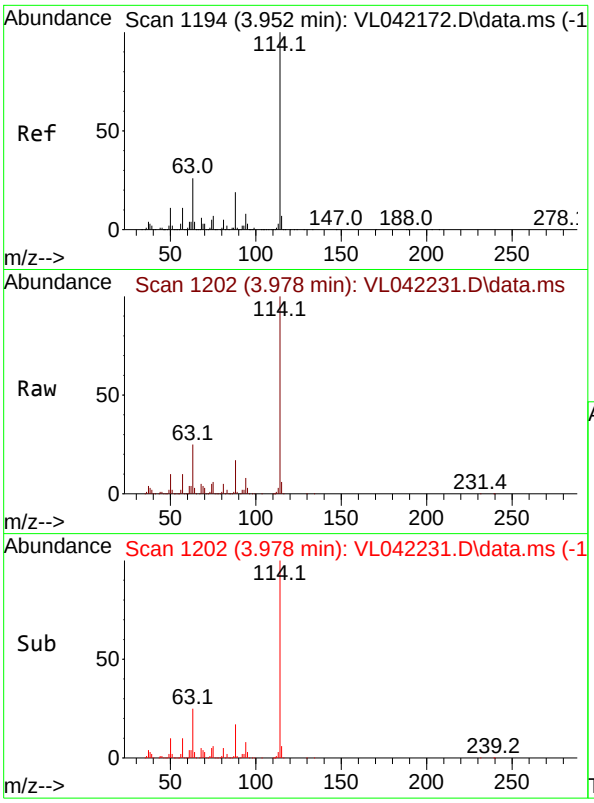


#26
Hexane
Concen: 0.329 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 57 Resp: 9360

Ion	Ratio	Lower	Upper
57	100		
41	101.0	76.6	114.8
43	110.0	207.8	311.8#
56	61.5	43.6	65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:114 Resp: 55141

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	18.0	15.0	22.4

Instrument :
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ClientSampleId :
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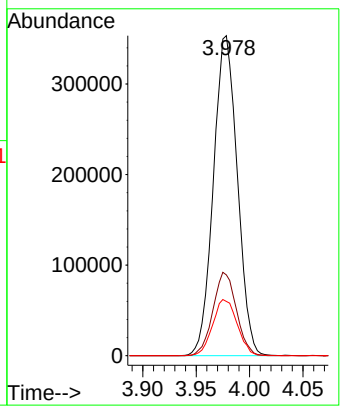
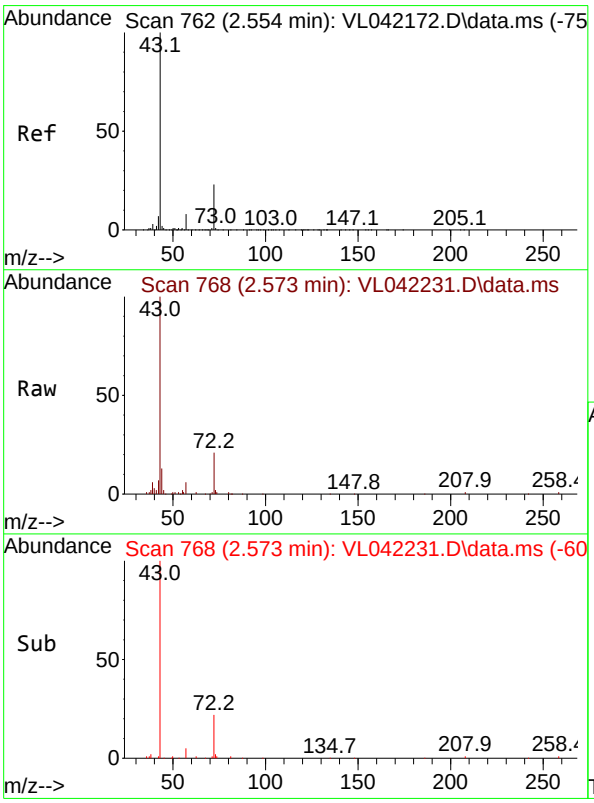
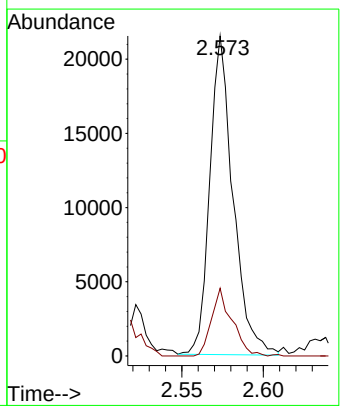


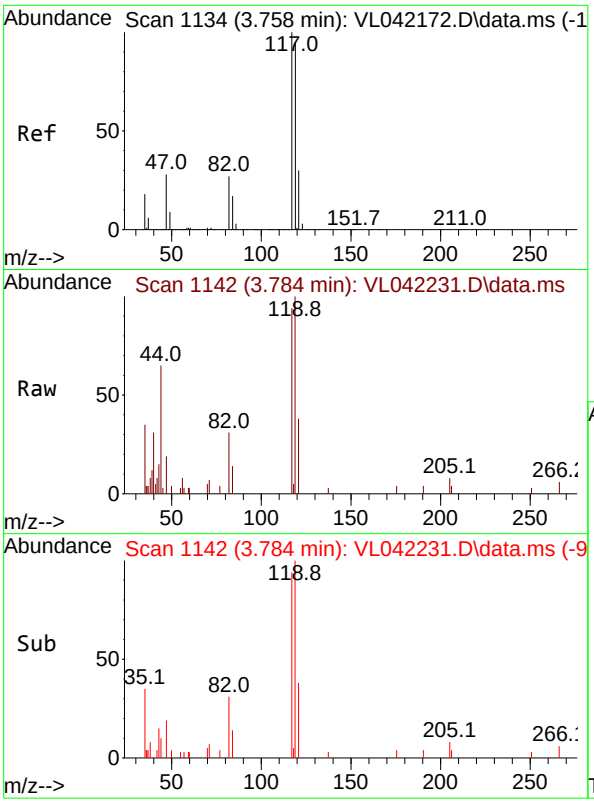


#34
2-Butanone
Concen: 0.534 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 43 Resp: 21340

Ion	Ratio	Lower	Upper
43	100		
72	18.9	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 3.784 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:117 Resp: 285

Ion	Ratio	Lower	Upper
117	100		
119	106.1	76.2	114.2
121	40.8	24.2	36.4#

Instrument :
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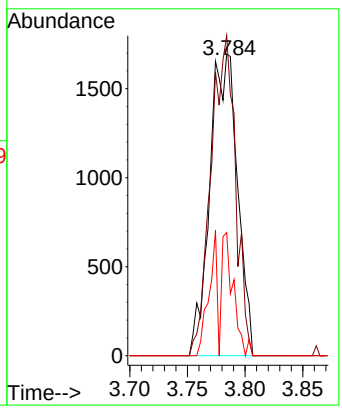
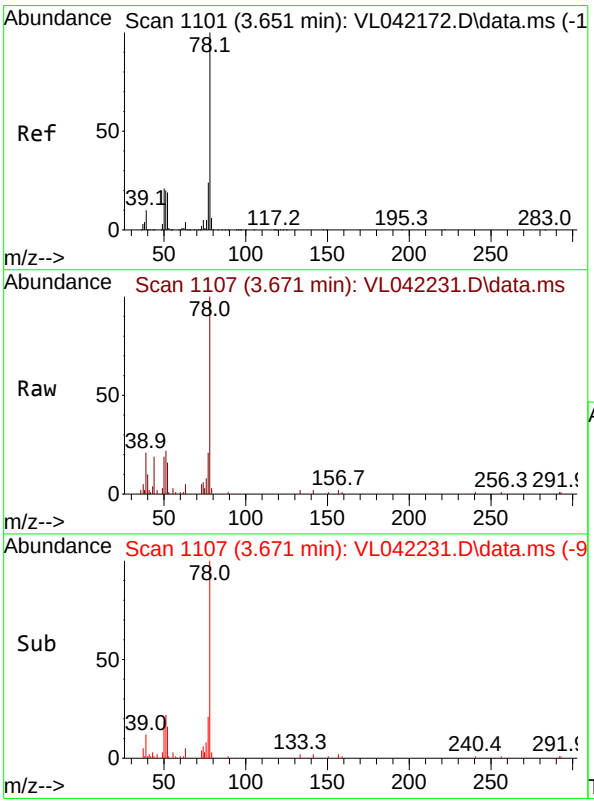
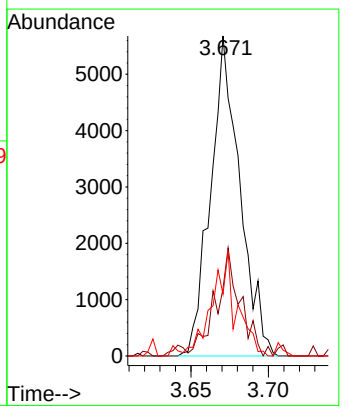


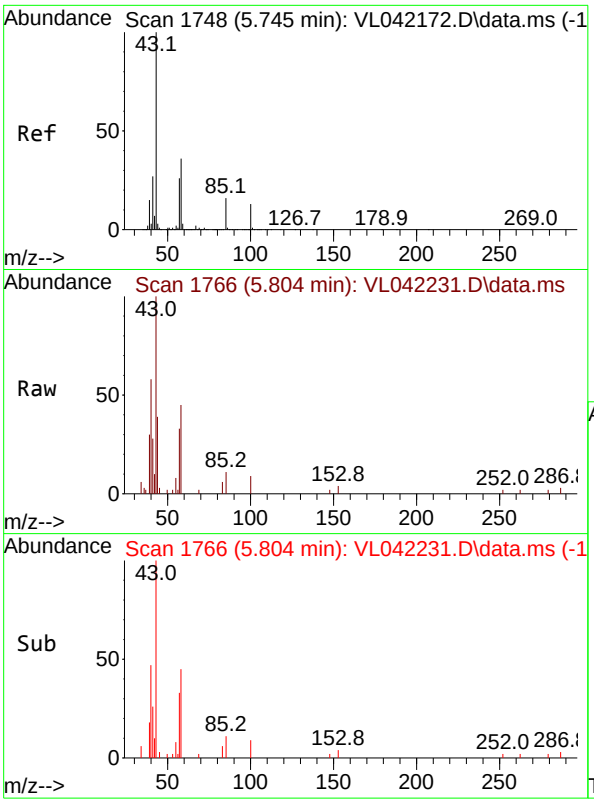


#36
Benzene
Concen: 0.137 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 78 Resp: 7483

Ion	Ratio	Lower	Upper
78	100		
77	18.7	19.1	28.7#
50	17.7	16.6	24.8

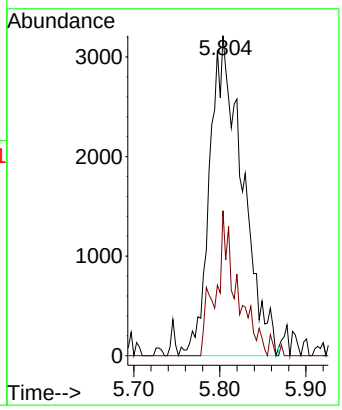




#50
4-Methyl-2-Pentanone
Concen: 0.134 ppbv m
RT: 5.804 min Scan# 1
Delta R.T. 0.058 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 43 Resp: 849

Ion	Ratio	Lower	Upper
43	100		
58	30.4	29.0	43.6



Instrument :
MSVOA_L
ClientSampleId :
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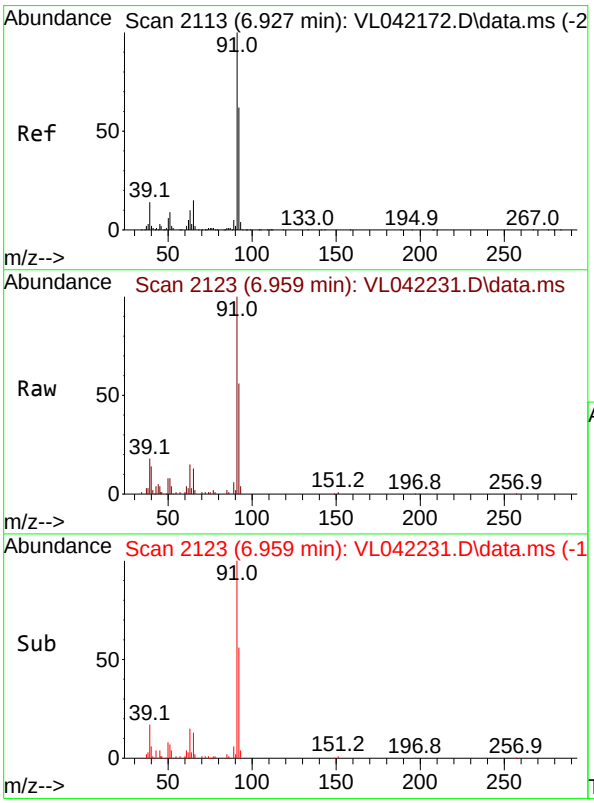
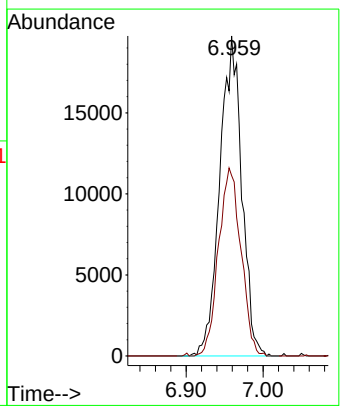
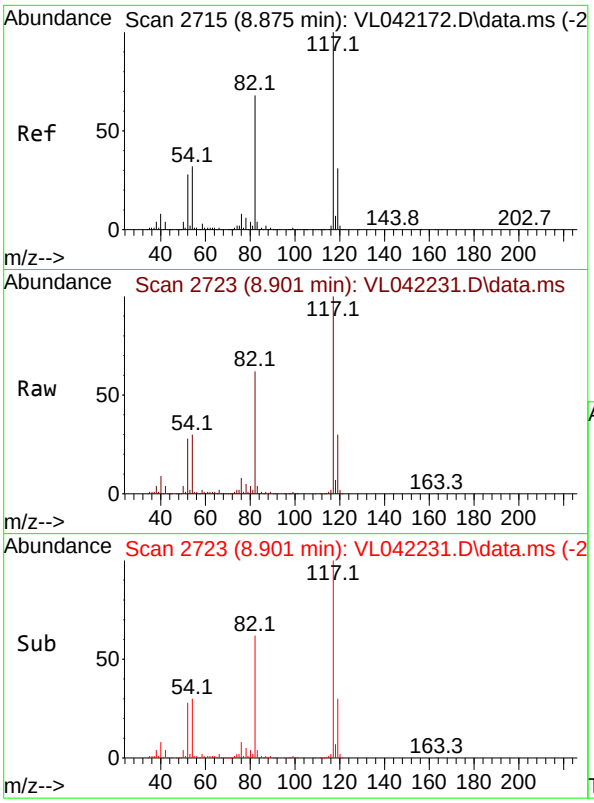


#53
Toluene
Concen: 0.605 ppbv m
RT: 6.959 min Scan# 2123
Delta R.T. 0.032 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 91 Resp: 39177

Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.4	72.6

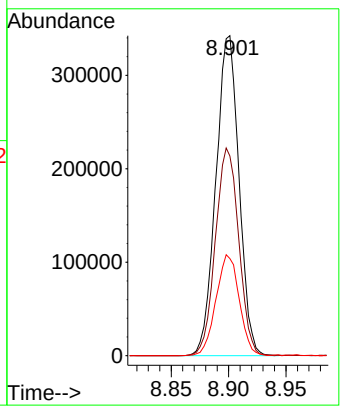




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:117 Resp: 47978

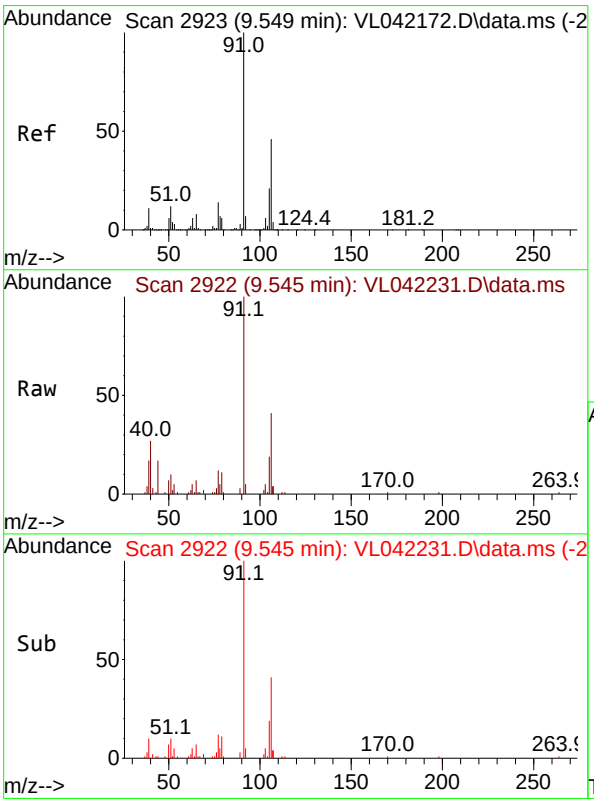
Ion	Ratio	Lower	Upper
117	100		
82	65.5	55.8	83.6
119	32.0	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Manual Integrations
APPROVED

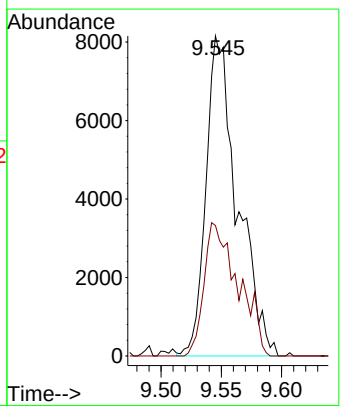
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

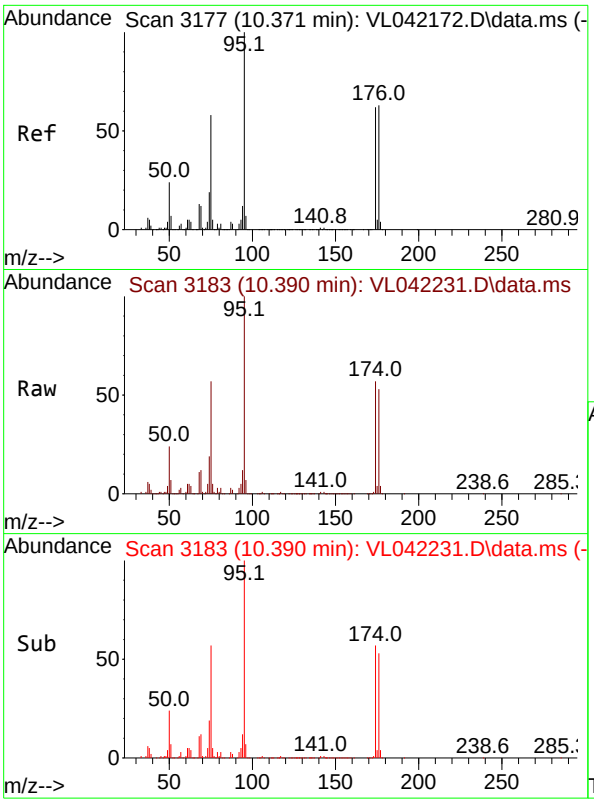


#59
m/p-Xylene
Concen: 0.217 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.003 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 91 Resp: 14796

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

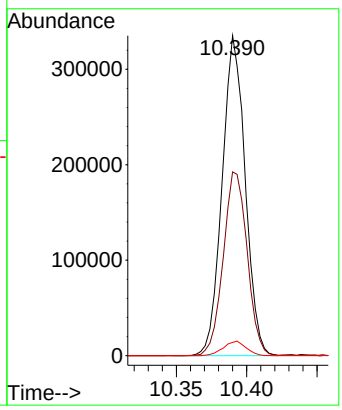




#68
1-Bromo-4-Fluorobenzene
Concen: 9.674 ppbv
RT: 10.390 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 95 Resp: 38117

Ion	Ratio	Lower	Upper
95	100		
174	59.8	50.6	76.0
175	4.5	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042231.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.434	411	416	422	rBV	4220748	4615994	100.00%	41.010%
2	1.564	452	456	460	rVB	135190	68989	1.49%	0.613%
3	1.628	472	476	479	rVB	112239	63589	1.38%	0.565%
4	1.842	538	542	549	rBV	323788	263206	5.70%	2.338%
5	2.800	828	838	845	rBV	736898	771539	16.71%	6.855%
6	2.836	845	849	863	rVB4	66483	82494	1.79%	0.733%
7	3.975	1189	1201	1217	rBV	918136	1453831	31.50%	12.916%
8	6.959	2109	2123	2137	rBV3	54409	114914	2.49%	1.021%
9	8.286	2525	2533	2539	rBV2	36186	56012	1.21%	0.498%
10	8.898	2710	2722	2733	rBV	1209499	1709482	37.03%	15.187%
11	8.956	2733	2740	2749	rVB4	29593	47575	1.03%	0.423%
12	10.390	3168	3183	3194	rBV	1526751	1819018	39.41%	16.161%
13	11.303	3457	3465	3476	rBV8	35049	56557	1.23%	0.502%
14	11.542	3529	3539	3551	rBV8	40516	70351	1.52%	0.625%
15	12.681	3884	3891	3901	rBV4	51400	62301	1.35%	0.553%

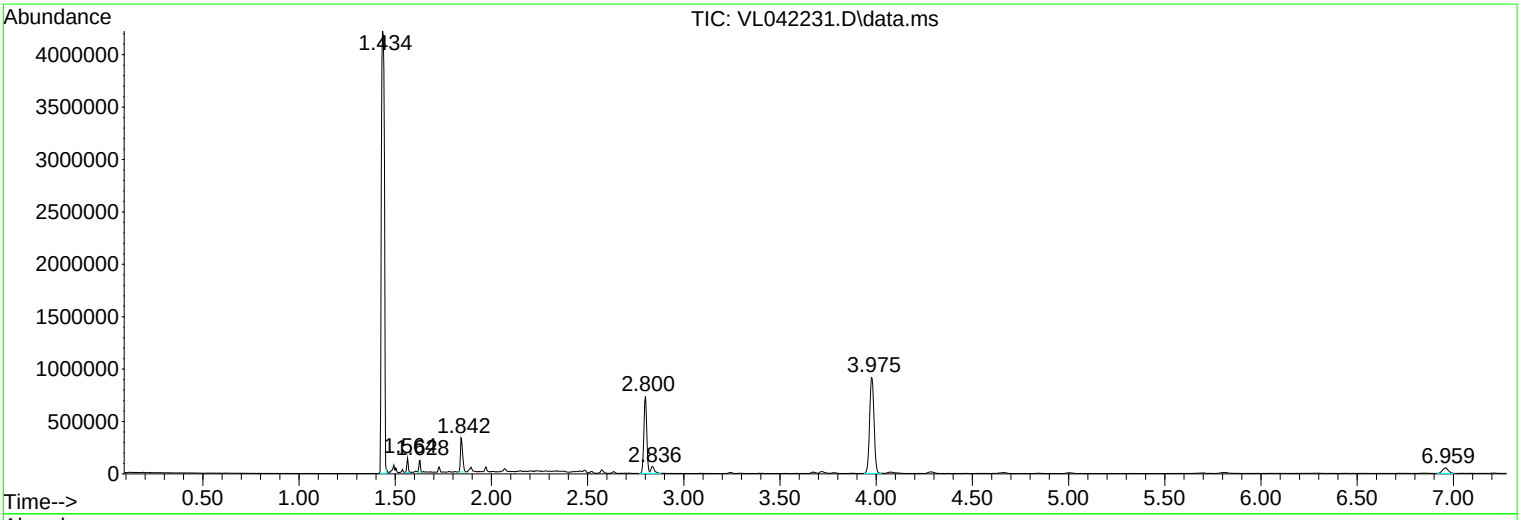
Sum of corrected areas: 11255852

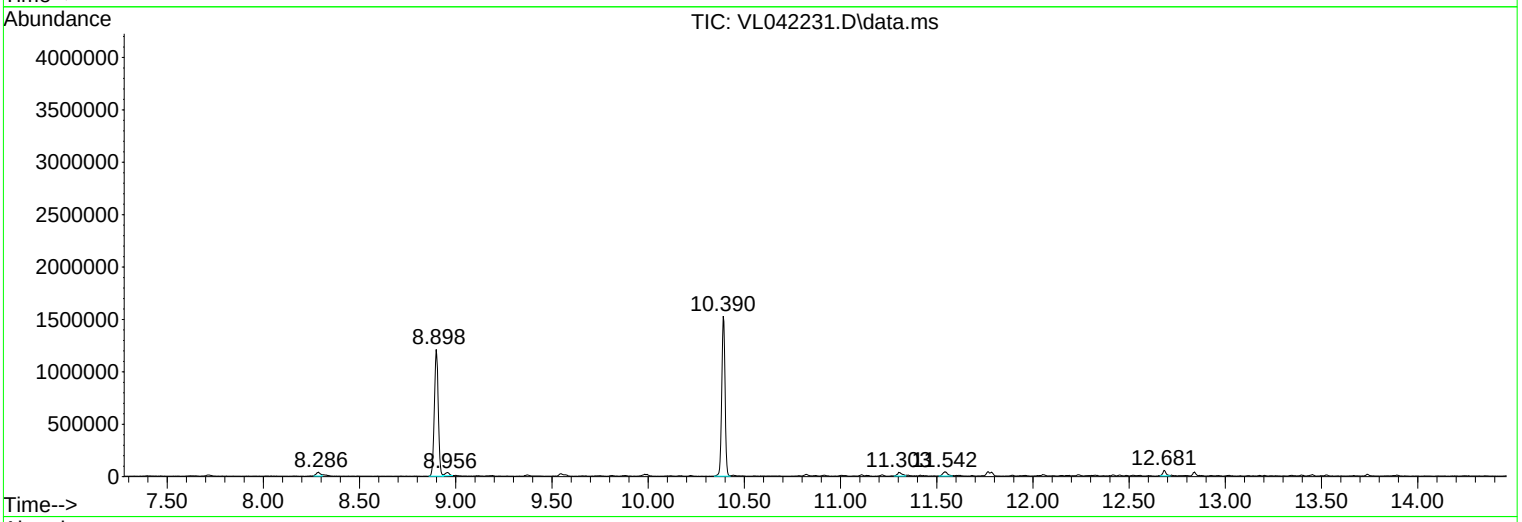
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

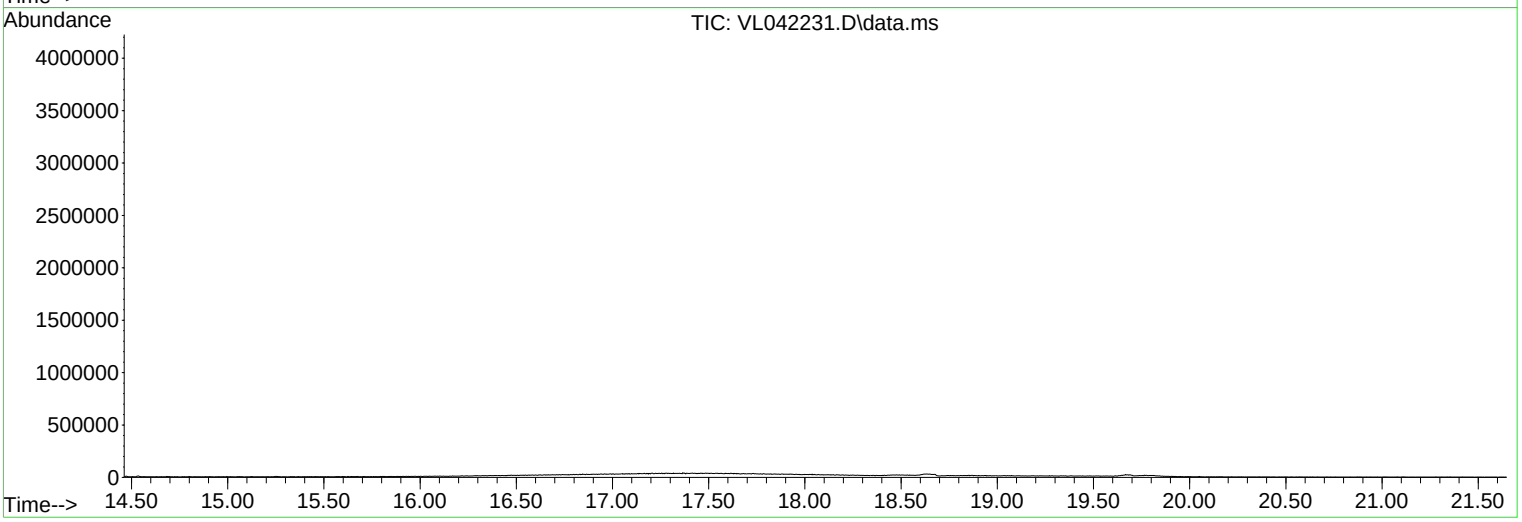
Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B14-3-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-05	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
VL042245.D	2		04/07/25 22:40	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.46	2.27	J	2.08	4.94	ug/m3
74-87-3	Chloromethane	0.47	0.97	J	0.41	2.07	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.15	ug/m3
74-83-9	Bromomethane	0.28	1.09	U	1.09	3.88	ug/m3
75-00-3	Chloroethane	0.34	0.90	U	0.90	2.64	ug/m3
109-99-9	Tetrahydrofuran	0.26	0.77	U	0.77	2.95	ug/m3
75-69-4	Trichlorofluoromethane	0.32	1.80	U	1.80	5.62	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.32	2.45	U	2.45	7.66	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.18	1.26	U	1.26	6.99	ug/m3
75-65-0	tert-Butyl alcohol	0.38	1.15	U	1.15	3.03	ug/m3
142-82-5	Heptane	0.22	0.90	U	0.90	4.10	ug/m3
75-35-4	1,1-Dichloroethene	0.28	1.11	U	1.11	3.96	ug/m3
67-64-1	Acetone	44.2	105	E	1.14	2.38	ug/m3
75-15-0	Carbon Disulfide	0.32	1.00	U	1.00	3.11	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.24	0.87	U	0.87	3.61	ug/m3
75-09-2	Methylene Chloride	0.64	2.22	J	1.32	3.47	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.38	1.51	U	1.51	3.96	ug/m3
75-34-3	1,1-Dichloroethane	0.26	1.05	U	1.05	4.05	ug/m3
110-82-7	Cyclohexane	0.44	1.51	U	1.51	3.44	ug/m3
78-93-3	2-Butanone	0.72	2.12	J	0.71	2.95	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.13	0.38	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.18	0.71	U	0.71	3.96	ug/m3
67-66-3	Chloroform	0.21	1.03	J	0.83	4.88	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.33	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.20	0.93	U	0.93	4.67	ug/m3
71-43-2	Benzene	0.17	0.54	U	0.54	3.19	ug/m3
107-06-2	1,2-Dichloroethane	0.18	0.73	U	0.73	4.05	ug/m3
79-01-6	Trichloroethene	0.030	0.16	U	0.16	0.32	ug/m3
78-87-5	1,2-Dichloropropane	0.22	1.02	U	1.02	4.62	ug/m3
75-27-4	Bromodichloromethane	0.15	1.00	U	1.00	6.70	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	0.78	4.10	ug/m3
108-88-3	Toluene	0.77	2.90	J	0.83	3.77	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.12	0.54	U	0.54	4.54	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.13	0.59	U	0.59	4.54	ug/m3
79-00-5	1,1,2-Trichloroethane	0.14	0.76	U	0.76	5.46	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B14-3-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-05	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
VL042245.D	2		04/07/25 22:40	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.13	1.11	U	1.11	8.52	ug/m3
106-93-4	1,2-Dibromoethane	0.14	1.08	U	1.08	1.54	ug/m3
127-18-4	Tetrachloroethene	0.080	0.54		0.20	0.41	ug/m3
108-90-7	Chlorobenzene	0.15	0.69	U	0.69	4.61	ug/m3
100-41-4	Ethyl Benzene	0.92	4.00	J	1.04	4.34	ug/m3
179601-23-1	m/p-Xylene	4.00	17.4		1.82	8.69	ug/m3
95-47-6	o-Xylene	0.83	3.61	J	1.04	4.34	ug/m3
100-42-5	Styrene	0.40	1.70	J	0.94	4.26	ug/m3
75-25-2	Bromoform	0.11	1.14	U	1.14	10.3	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.41	ug/m3
95-49-8	2-Chlorotoluene	0.22	1.14	U	1.14	5.18	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.22	1.08	U	1.08	4.92	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.16	0.79	U	0.79	4.92	ug/m3
541-73-1	1,3-Dichlorobenzene	0.16	0.96	U	0.96	6.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.11	0.66	U	0.66	6.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.15	0.90	U	0.90	6.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.17	1.26	U	1.26	7.42	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.17	1.81	U	1.81	10.7	ug/m3
106-99-0	1,3-Butadiene	0.26	0.58	U	0.58	2.21	ug/m3
91-20-3	Naphthalene	0.15	0.79	U	0.79	1.05	ug/m3
622-96-8	4-Ethyltoluene	0.24	1.18	U	1.18	4.92	ug/m3
110-54-3	Hexane	0.26	0.92	J	0.78	3.52	ug/m3
107-05-1	Allyl Chloride	0.30	0.94	U	0.94	3.13	ug/m3
123-91-1	1,4-Dioxane	0.42	1.51	U	1.51	3.60	ug/m3
80-62-6	Methyl Methacrylate	0.17	0.70	U	0.70	4.09	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			70 (65) - 130 (135)	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	191000		2.803			
540-36-3	1,4-Difluorobenzene	494000		3.988			
3114-55-4	Chlorobenzene-d5	441000		8.908			
TENTITIVE IDENTIFIED COMPOUNDS							
75-45-6	Chlorodifluoromethane	0.35		J		1.48	ppbv
115-07-1	Propene	0.92		J		1.49	ppbv
64-17-5	Ethanol	14.6		J		1.73	ppbv

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B14-3-04012025	SDG No.:	Q1725
Lab Sample ID:	Q1725-05	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
VL042245.D	2		04/07/25 22:40	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
67-63-0	Isopropyl Alcohol	150		J		1.90	ppbv
007452-79-1	Butanoic acid, 2-methyl-, ethyl es	2.10		J		9.18	ppbv

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\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:37:28 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	191155	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.988	114	493918	10.000	ppbv		0.04
55) Chlorobenzene-d5	8.908	117	441320	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.397	95	357099	9.853	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.506	85	6425	0.228	ppbv		93
3) Chlorodifluoromethane	1.483	51	5063m	0.176	ppbv		
4) Chloromethane	1.541	50	2684	0.233	ppbv		100
9) Propene	1.493	41	6073m	0.460	ppbv		
11) Trichlorofluoromethane	1.887	101	2858	0.104	ppbv	#	75
13) Ethanol	1.729	45	9102m	7.286	ppbv		
15) Acetone	1.845	43	590313	22.081	ppbv		96
19) Isopropyl Alcohol	1.897	45	1101017	72.993	ppbv	#	32
20) Methylene Chloride	2.072	84	3195	0.321	ppbv	#	94
26) Hexane	2.842	57	3476	0.130	ppbv	#	33
29) Chloroform	2.865	83	4102	0.105	ppbv		91
34) 2-Butanone	2.577	43	12837	0.358	ppbv		97
35) Carbon Tetrachloride	3.791	117	1389m	0.036	ppbv		
52) Tetrachloroethene	8.254	164	816m	0.042	ppbv		
53) Toluene	6.972	91	22311	0.384	ppbv		97
58) Ethyl Benzene	9.377	91	35929	0.458	ppbv		96
59) m/p-Xylene	9.555	91	125540	2.006	ppbv		99
60) o-Xylene	9.986	91	25937	0.413	ppbv		100
61) Styrene	9.895	104	6211	0.200	ppbv		92

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

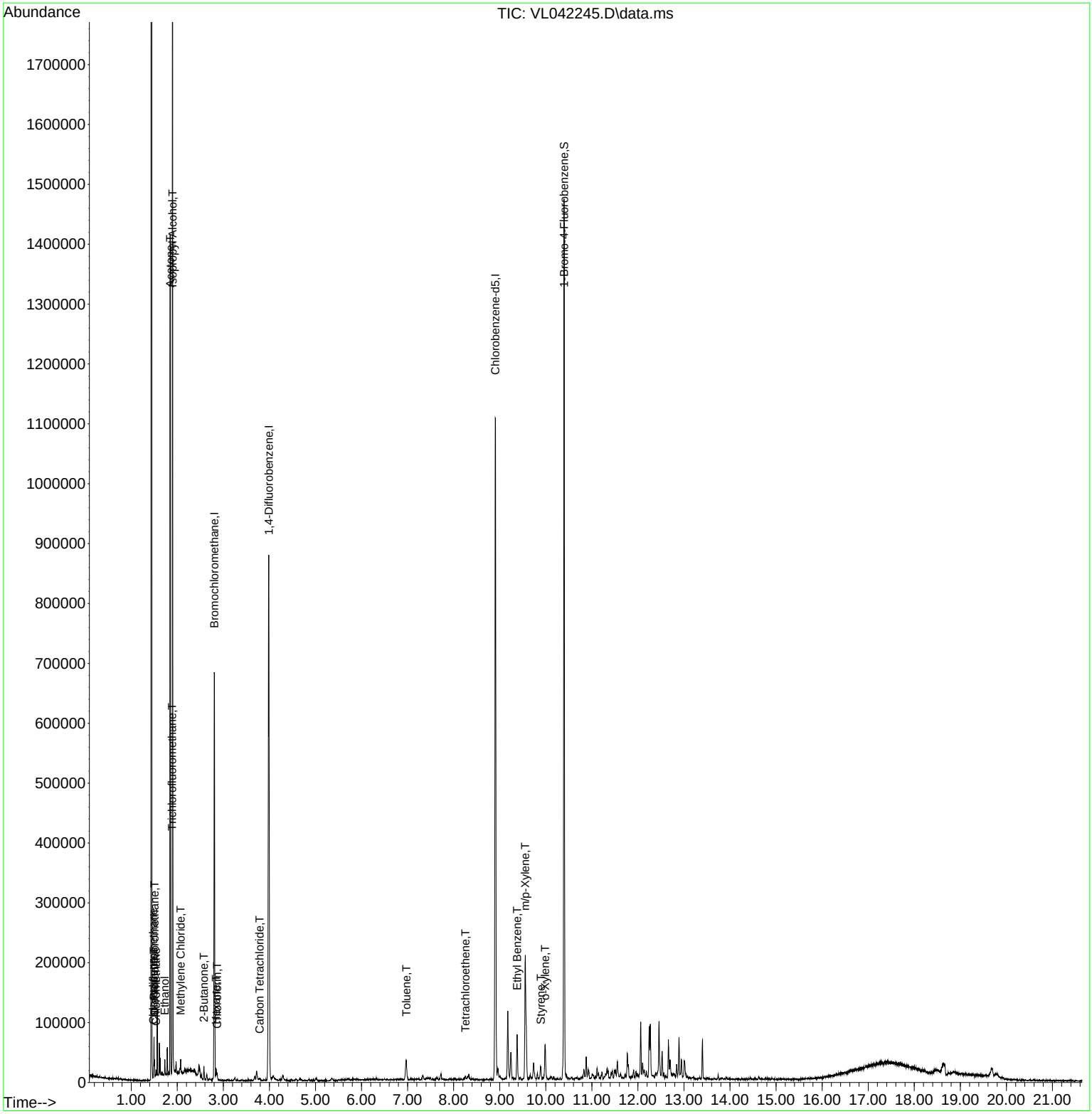
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

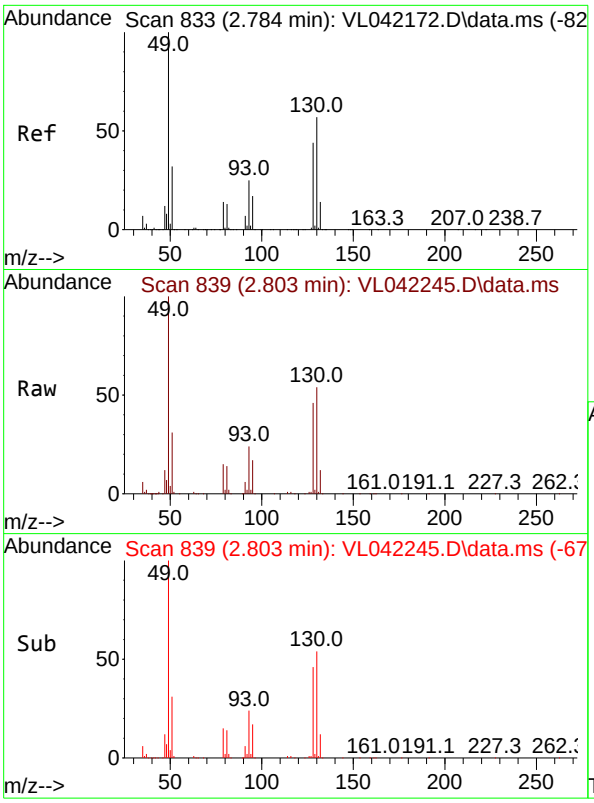
Quant Time: Apr 08 01:37:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

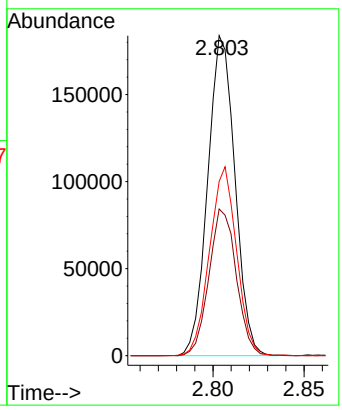




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 49 Resp: 19115

Ion	Ratio	Lower	Upper
49	100		
128	46.0	22.9	68.5
130	58.6	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
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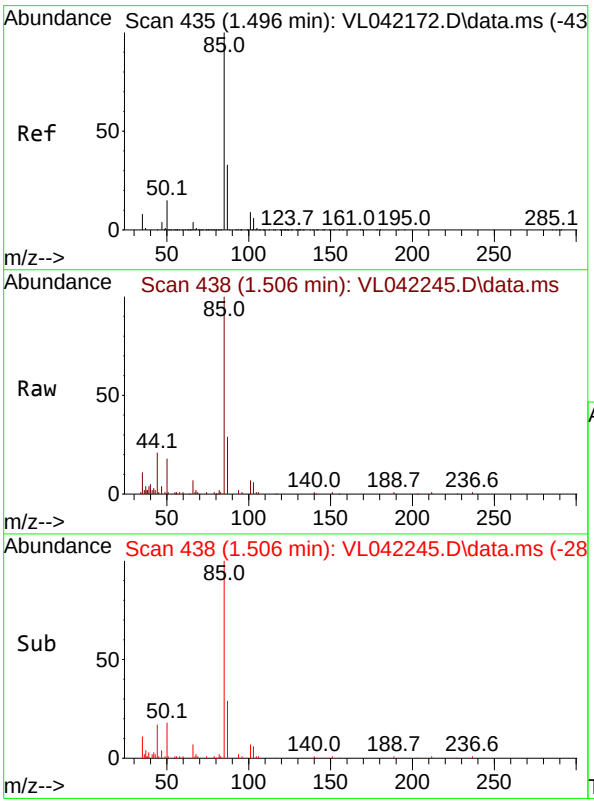
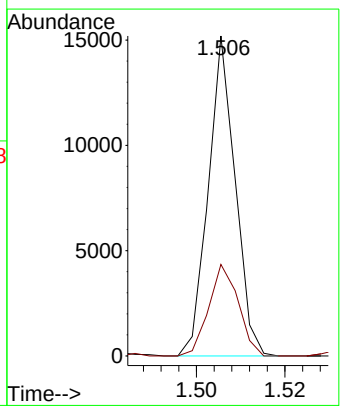
Supervised By :Mahesh Dadoda 04/09/2025

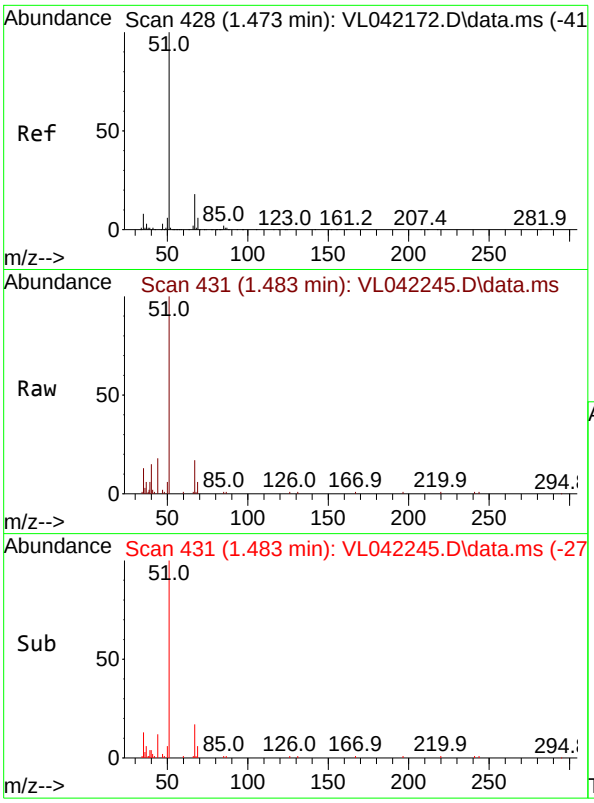


#2
Dichlorodifluoromethane
Concen: 0.228 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 85 Resp: 6425

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.1	39.1





#3
Chlorodifluoromethane
Concen: 0.176 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 51 Resp: 506

Ion	Ratio	Lower	Upper
51	100		
67	24.3	15.0	22.6

Instrument :
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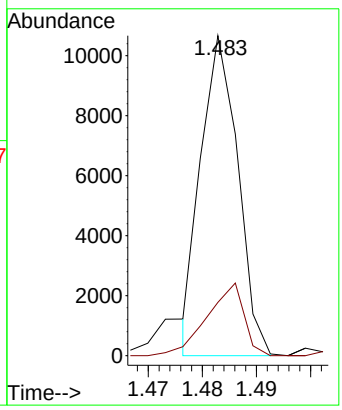
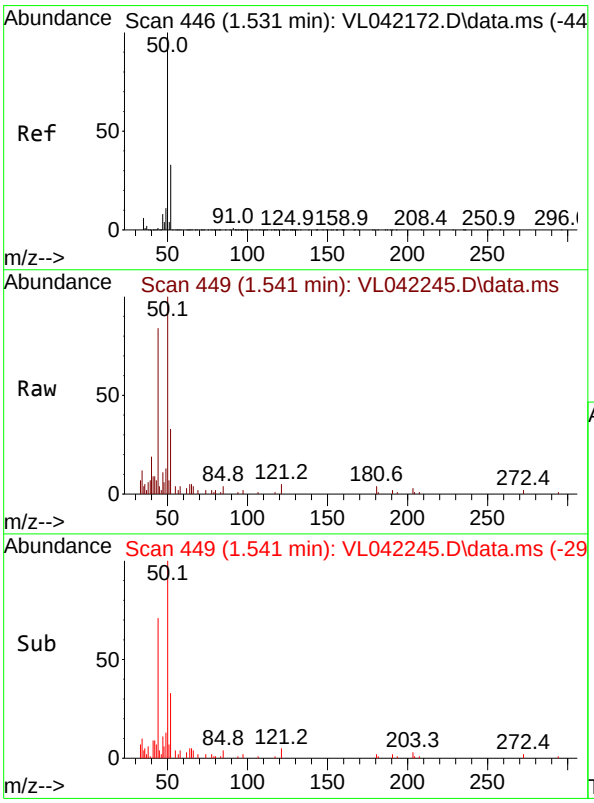
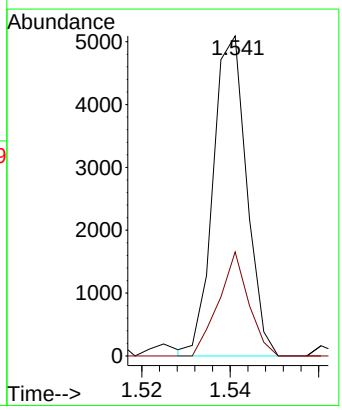


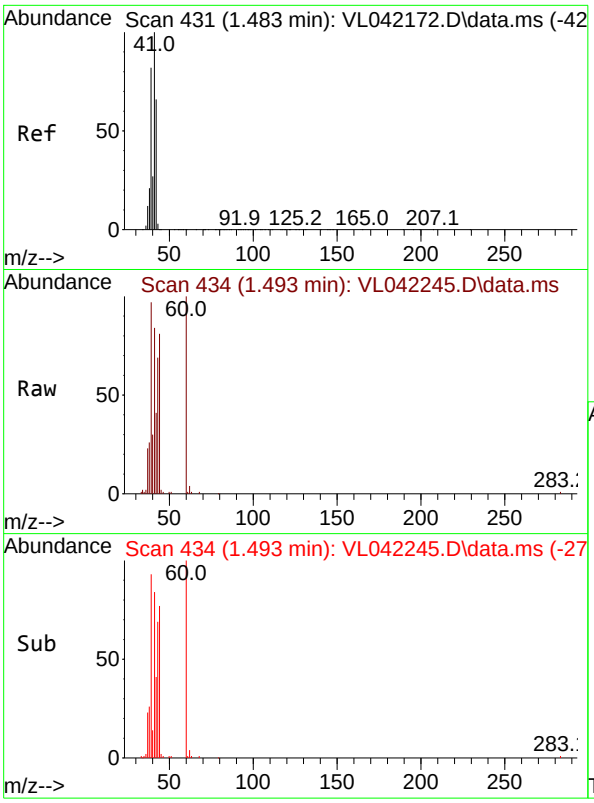


#4
Chloromethane
Concen: 0.233 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 50 Resp: 2684

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1





#9
Propene
Concen: 0.460 ppbv m
RT: 1.493 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 41 Resp: 607

Ion	Ratio	Lower	Upper
41	100		
42	1108.9	55.4	83.1

Instrument :
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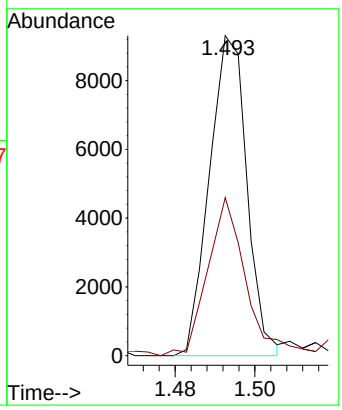
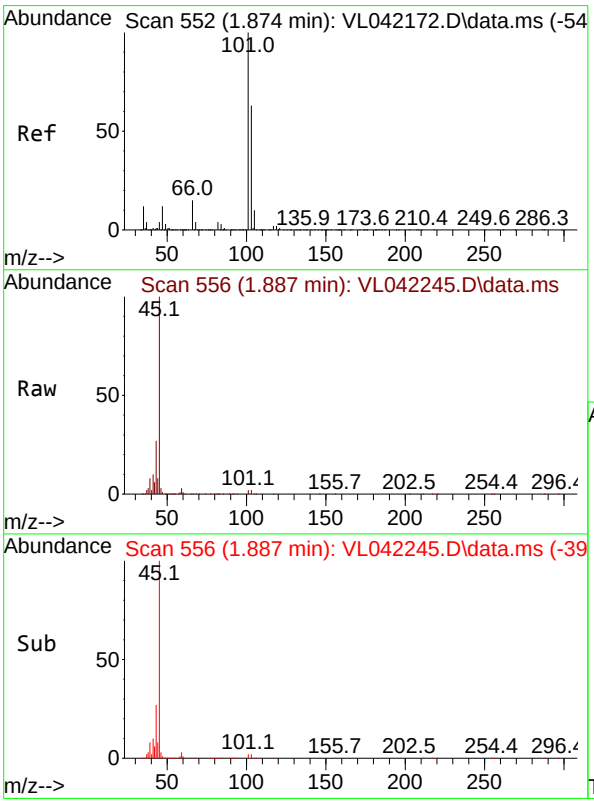
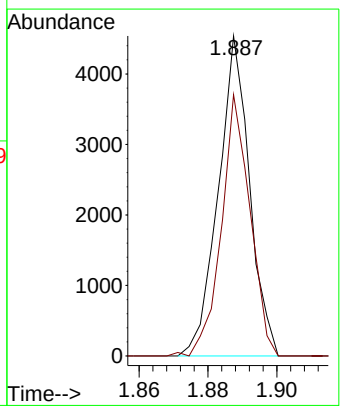


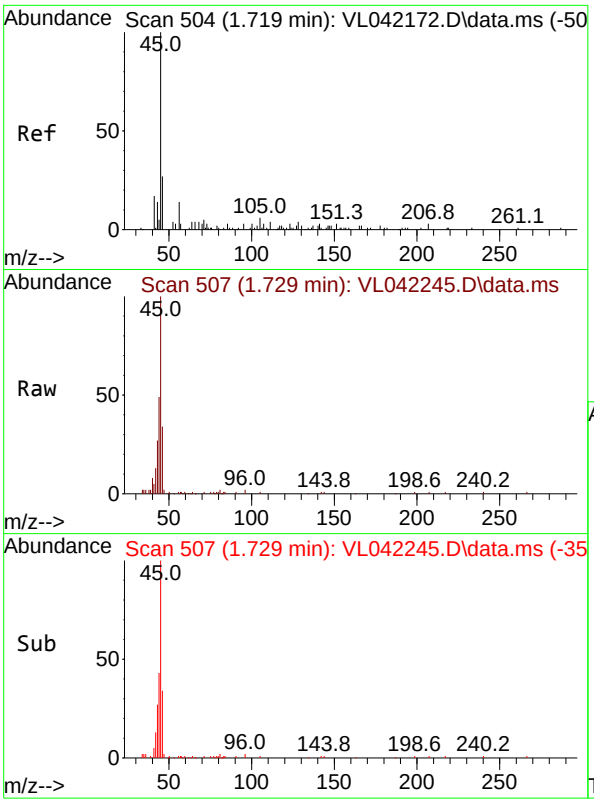


#11
Trichlorofluoromethane
Concen: 0.104 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:101 Resp: 2858

Ion	Ratio	Lower	Upper
101	100		
103	81.7	50.2	75.2#





#13
Ethanol
Concen: 7.286 ppbv m
RT: 1.729 min Scan# 5(
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 45 Resp: 910

Ion	Ratio	Lower	Upper
45	100		
46	302.7	20.2	80.8

Instrument :
MSVOA_L
ClientSampleId :
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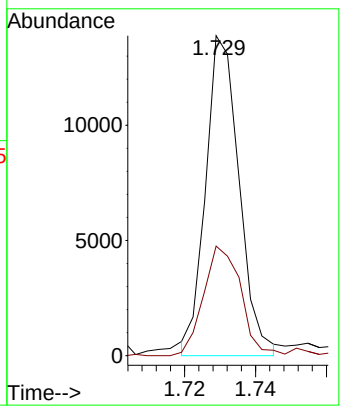
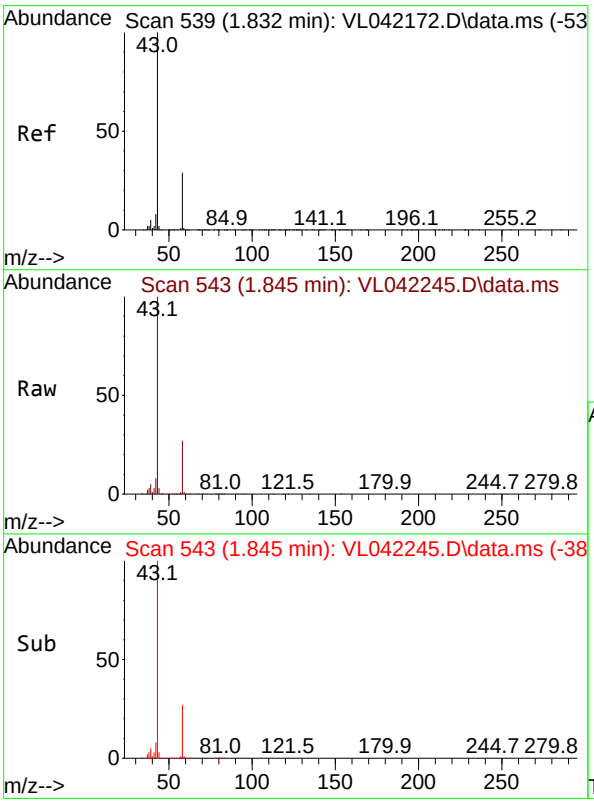
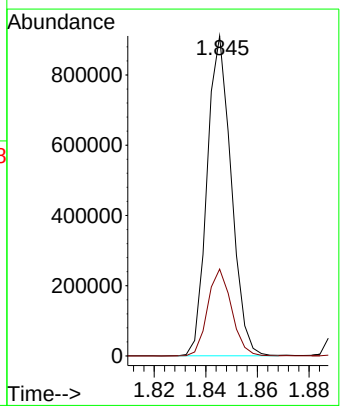


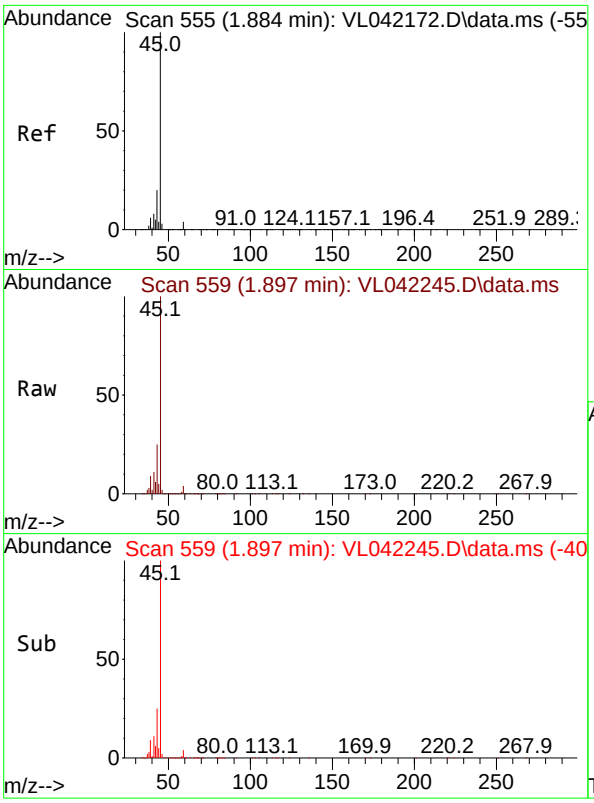


#15
Acetone
Concen: 22.081 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 43 Resp: 590313

Ion	Ratio	Lower	Upper
43	100		
58	27.0	23.2	34.8





#19
Isopropyl Alcohol
Concen: 72.993 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 45 Resp: 110101

Ion	Ratio	Lower	Upper
45	100		
58	0.9	36.9	55.3#

Instrument :
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ClientSampleId :
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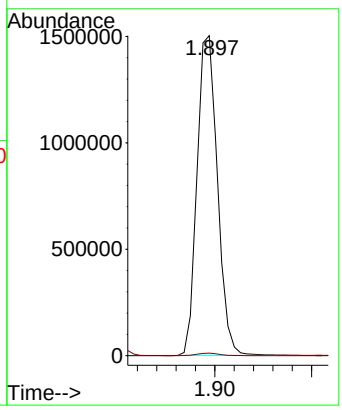
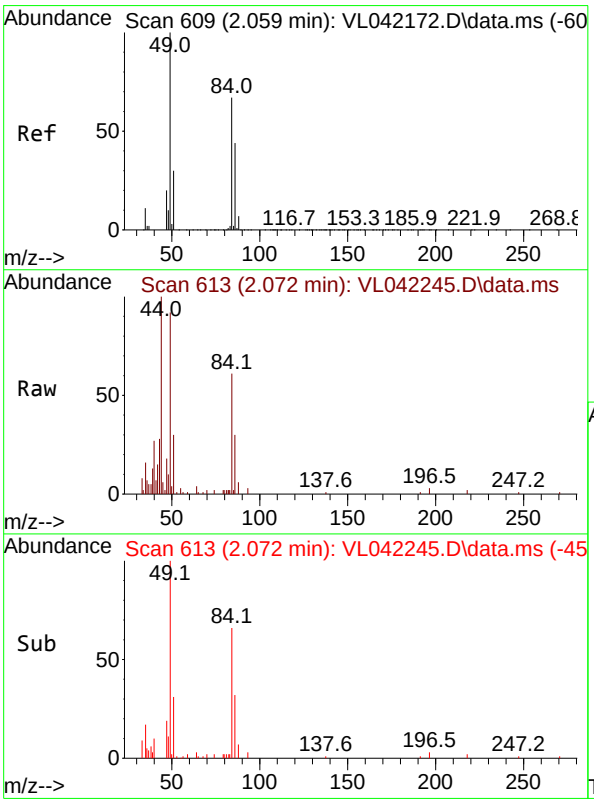
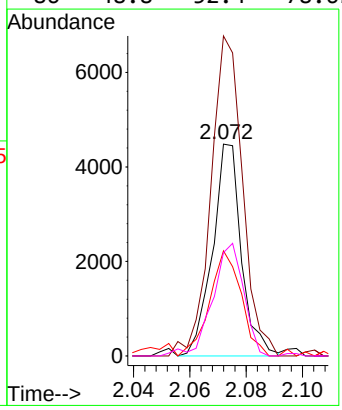


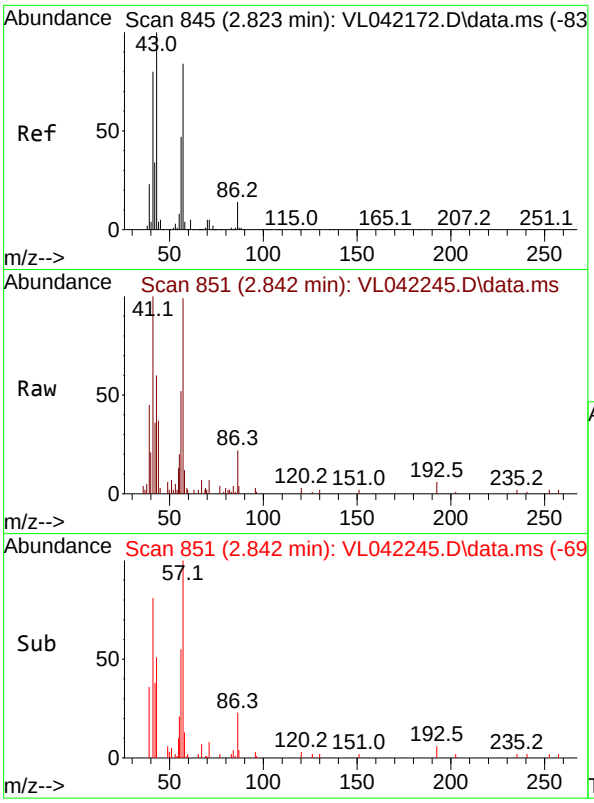


#20
Methylene Chloride
Concen: 0.321 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 84 Resp: 3195

Ion	Ratio	Lower	Upper
84	100		
49	151.1	120.2	180.4
51	49.6	37.4	56.0
86	48.8	52.4	78.6#

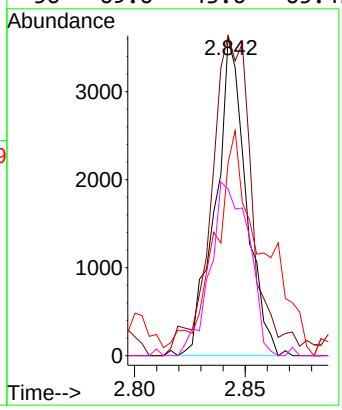




#26
Hexane
Concen: 0.130 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 57 Resp: 347

Ion	Ratio	Lower	Upper
57	100		
41	138.7	76.6	114.8#
43	107.4	207.8	311.8#
56	69.6	43.6	65.4#



Instrument :
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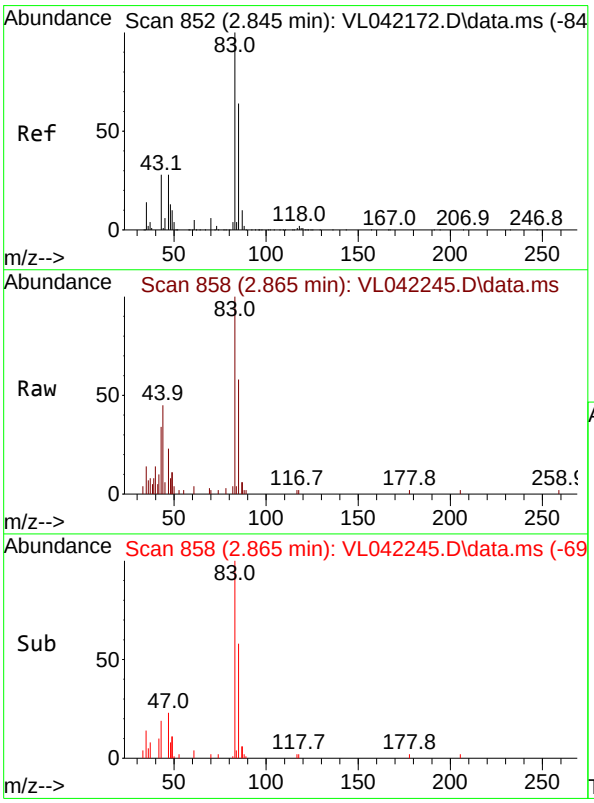
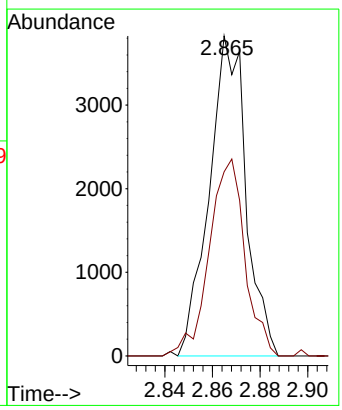
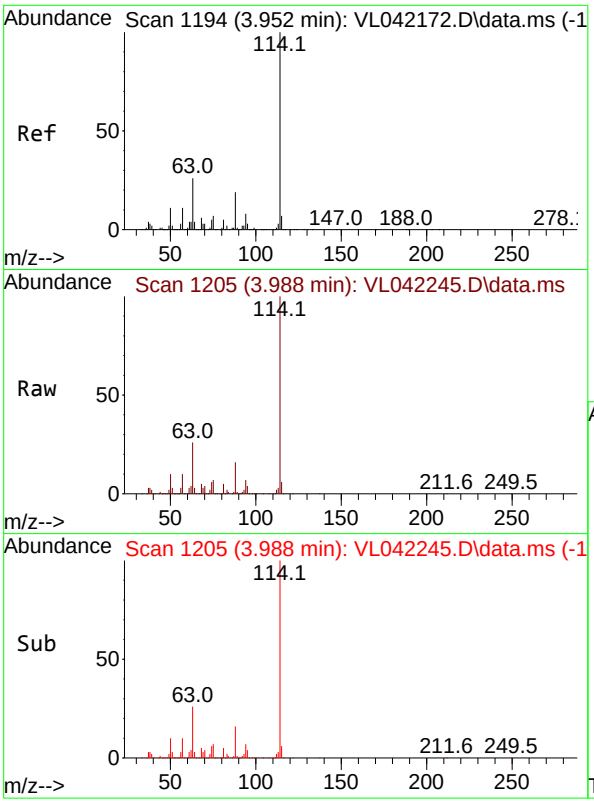


#29
Chloroform
Concen: 0.105 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 83 Resp: 4102

Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.4	77.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1
Delta R.T. 0.036 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:114 Resp: 49391

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.7	31.1
88	18.2	15.0	22.4

Instrument :
MSVOA_L
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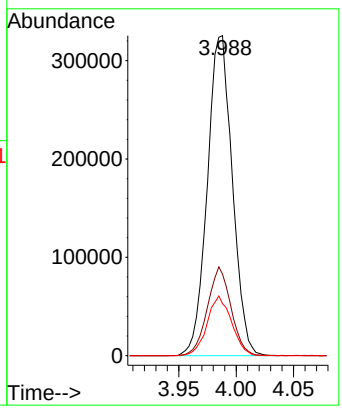
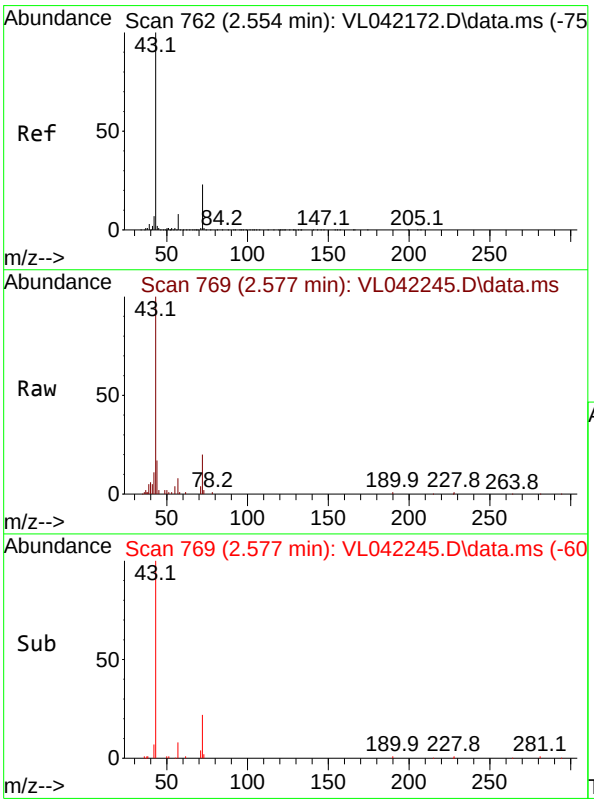
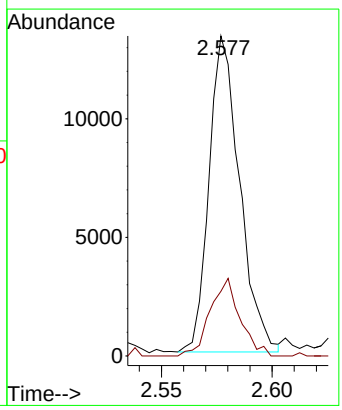


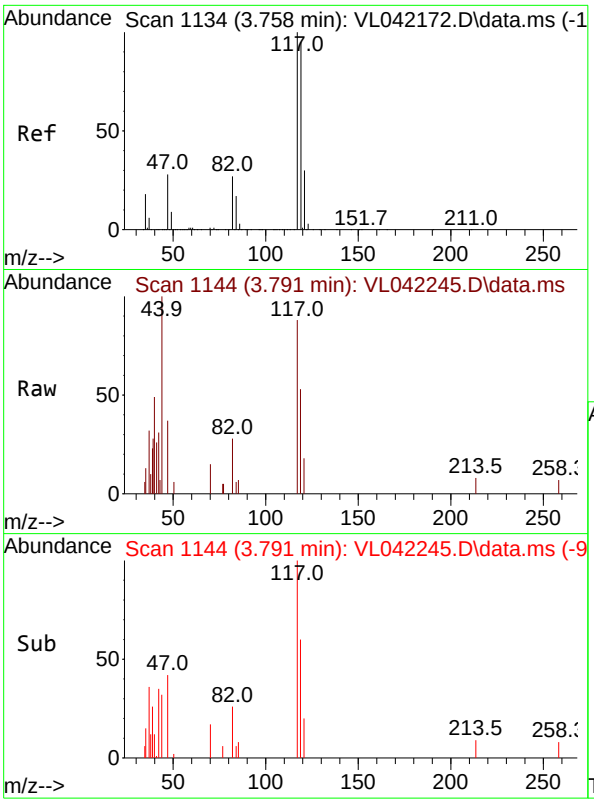


#34
2-Butanone
Concen: 0.358 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.023 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 43 Resp: 12837

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.2	27.2

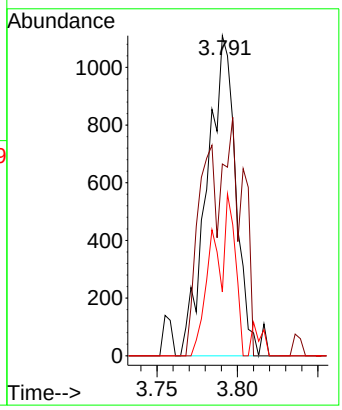




#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 3.791 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:117 Resp: 138

Ion	Ratio	Lower	Upper
117	100		
119	59.9	76.2	114.2#
121	19.9	24.2	36.4#



Instrument :
MSVOA_L
ClientSampleId :
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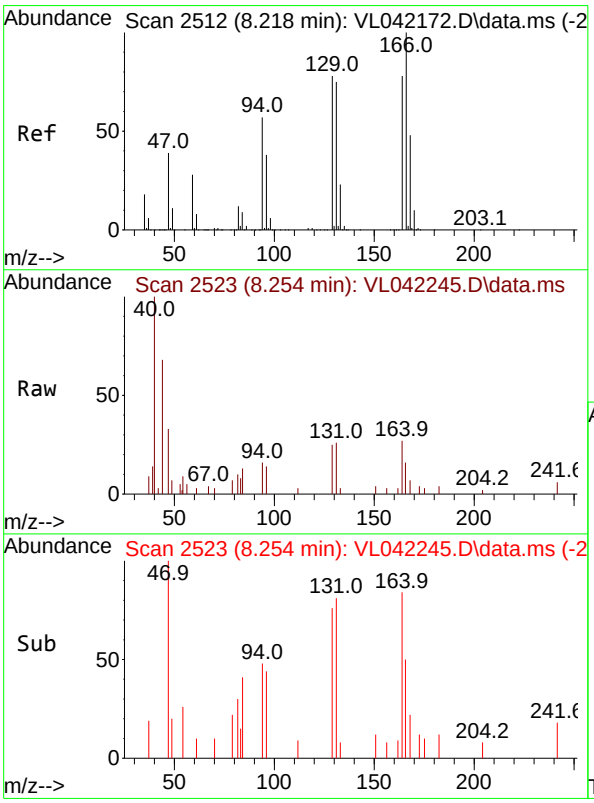
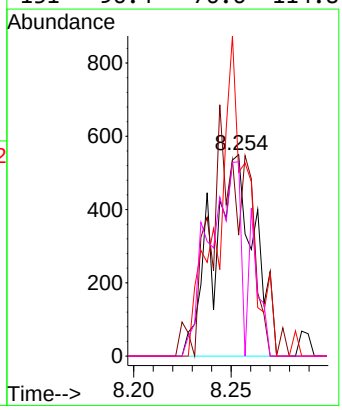
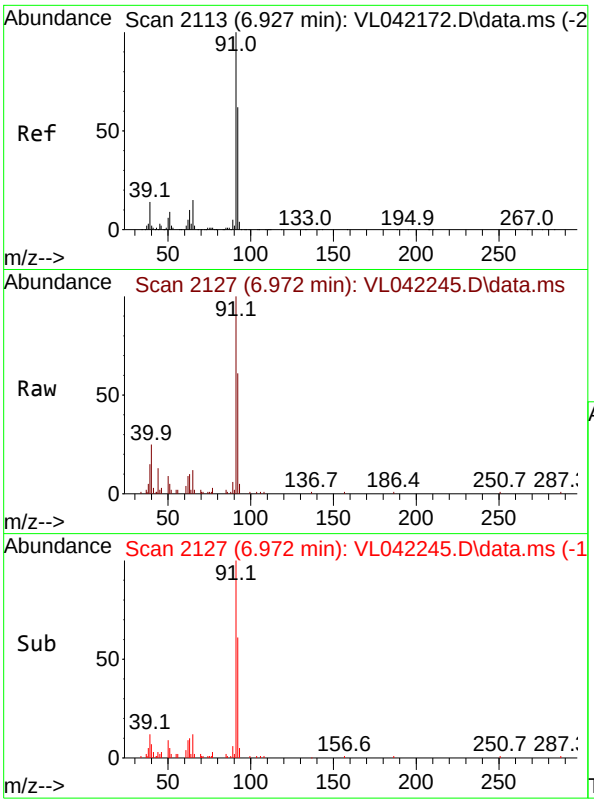


#52
Tetrachloroethene
Concen: 0.042 ppbv m
RT: 8.254 min Scan# 2523
Delta R.T. 0.036 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:164 Resp: 816

Ion	Ratio	Lower	Upper
164	100		
166	60.0	102.5	153.7#
129	91.3	79.8	119.8
131	96.4	76.6	114.8





#53
Toluene
Concen: 0.384 ppbv
RT: 6.972 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 91 Resp: 2231

Ion	Ratio	Lower	Upper
91	100		
92	57.9	48.4	72.6

Instrument :
MSVOA_L
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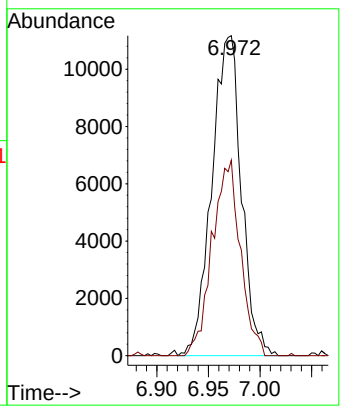
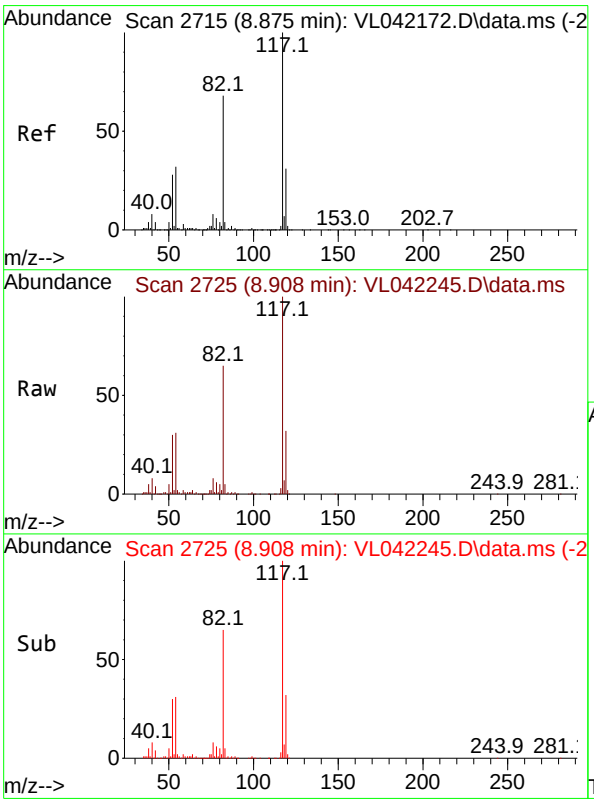
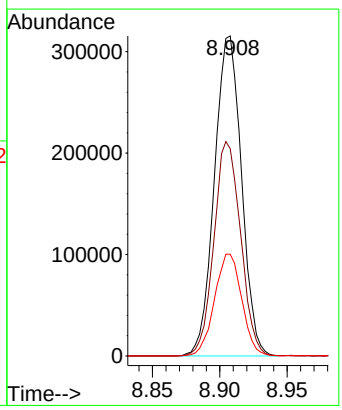


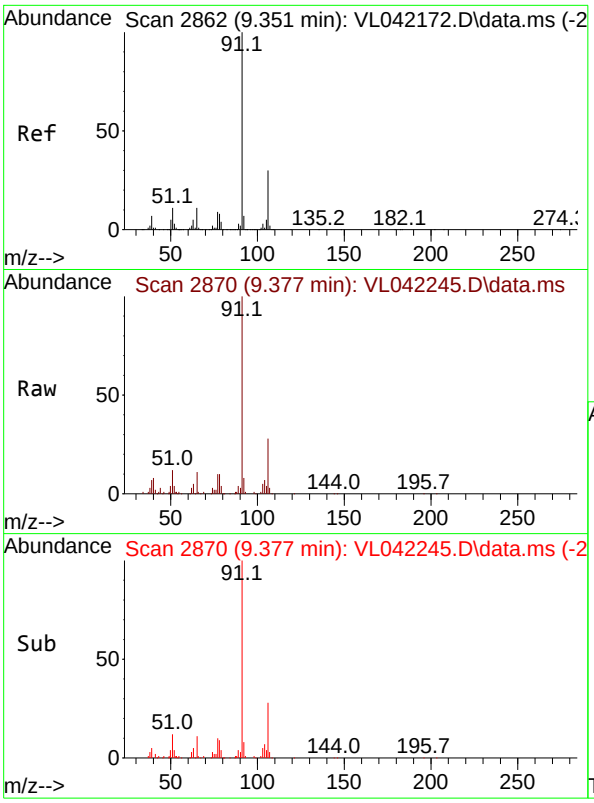


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:117 Resp: 441320

Ion	Ratio	Lower	Upper
117	100		
82	66.1	55.8	83.6
119	32.1	25.5	38.3

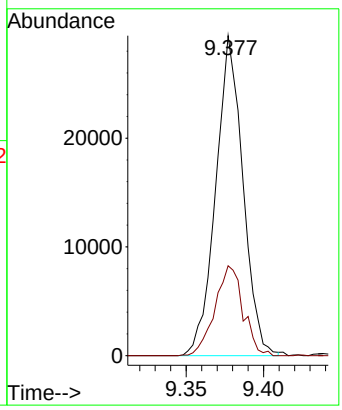




#58
Ethyl Benzene
Concen: 0.458 ppbv
RT: 9.377 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 91 Resp: 3592

Ion	Ratio	Lower	Upper
91	100		
106	28.1	24.2	36.2



Instrument :
MSVOA_L
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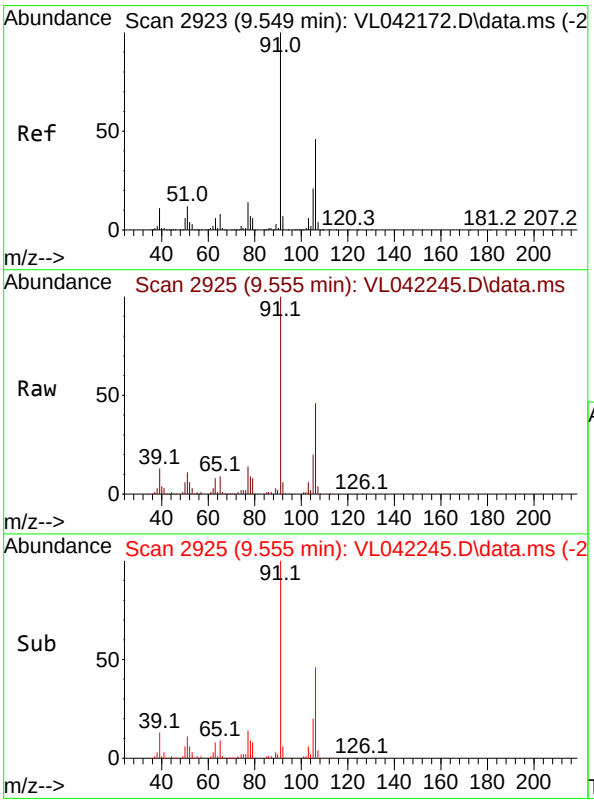
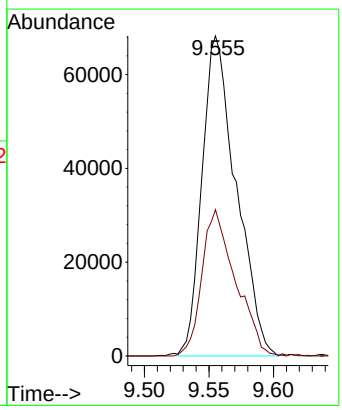
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

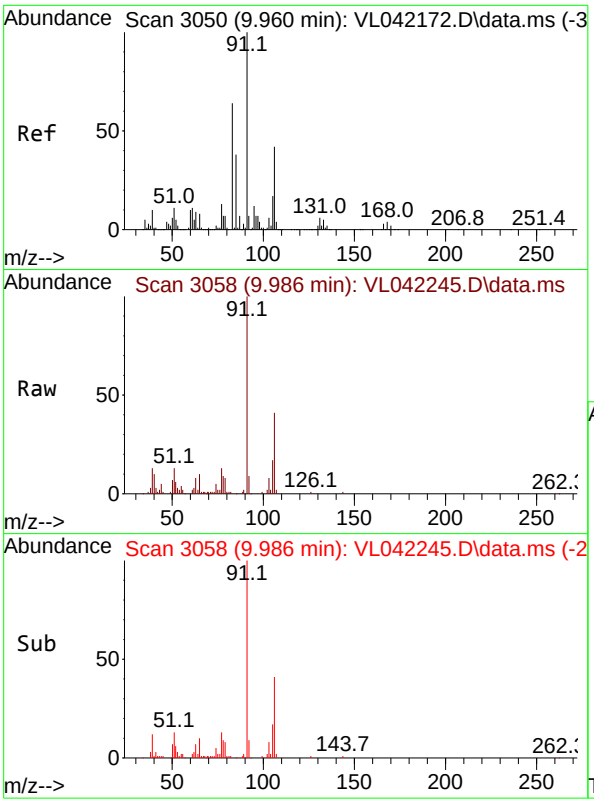


#59
m/p-Xylene
Concen: 2.006 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.007 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 91 Resp: 125540

Ion	Ratio	Lower	Upper
91	100		
106	45.2	36.4	54.6

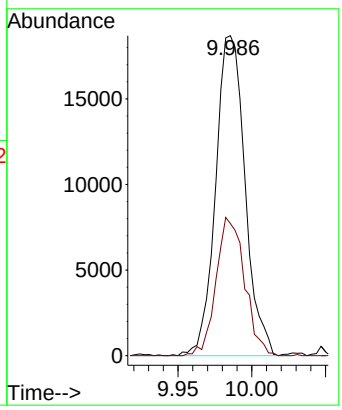




#60
o-Xylene
Concen: 0.413 ppbv
RT: 9.986 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 91 Resp: 2593

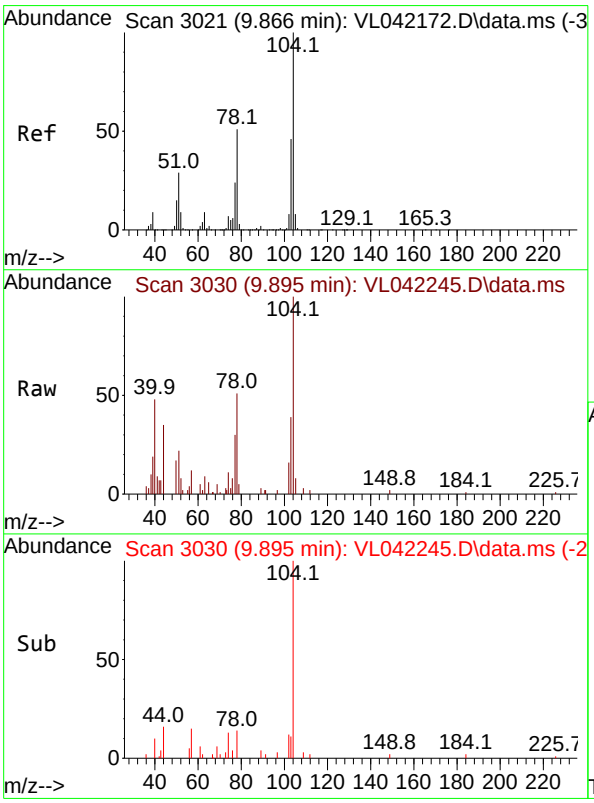
Ion	Ratio	Lower	Upper
91	100		
106	41.9	20.8	62.5



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Manual Integrations
APPROVED

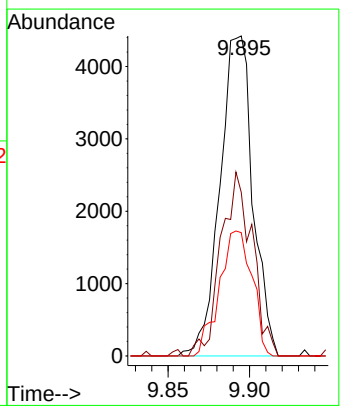
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

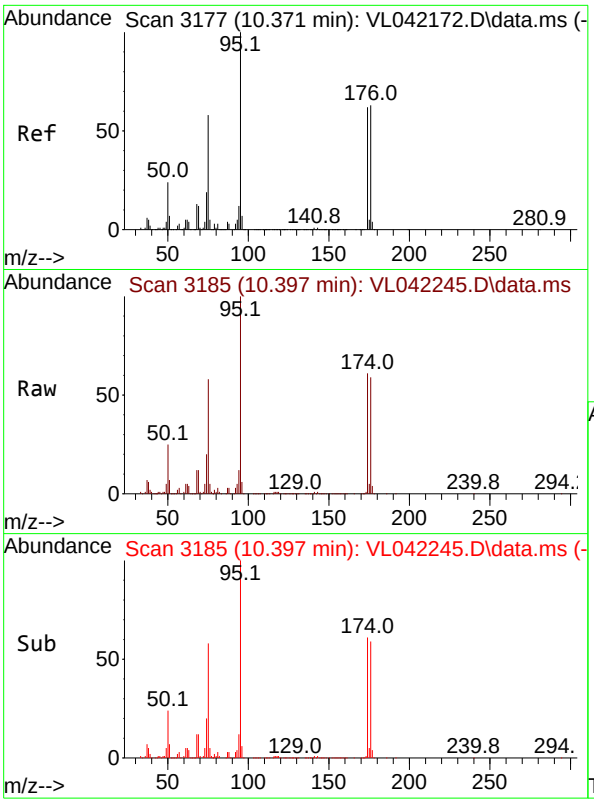


#61
Styrene
Concen: 0.200 ppbv
RT: 9.895 min Scan# 3030
Delta R.T. 0.029 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:104 Resp: 6211

Ion	Ratio	Lower	Upper
104	100		
78	55.5	41.8	62.6
103	38.8	37.0	55.4

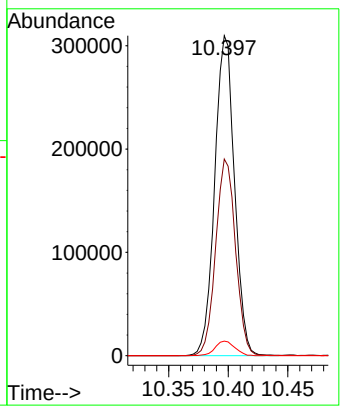




#68
1-Bromo-4-Fluorobenzene
Concen: 9.853 ppbv
RT: 10.397 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 95 Resp: 35709

Ion	Ratio	Lower	Upper
95	100		
174	61.9	50.6	76.0
175	4.6	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042245.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.438	412	417	422	rBV	4081257	4194889	100.00%	29.501%
2	1.496	427	435	437	rBV3	68643	48463	1.16%	0.341%
3	1.564	453	456	460	rBV	109333	65320	1.56%	0.459%
4	1.845	538	543	550	rBV	1401082	915810	21.83%	6.441%
5	1.897	554	559	572	rVB	2554764	1867573	44.52%	13.134%
6	2.803	825	839	847	rBV	681311	734742	17.52%	5.167%
7	3.985	1190	1204	1219	rBV	877699	1337026	31.87%	9.403%
8	6.966	2113	2125	2134	rBV3	31473	61793	1.47%	0.435%
9	8.904	2709	2724	2735	rBV	1105234	1583127	37.74%	11.134%
10	9.176	2798	2808	2820	rBV2	113538	167817	4.00%	1.180%
11	9.241	2820	2828	2837	rVB6	43581	66016	1.57%	0.464%
12	9.377	2860	2870	2883	rBV	75232	103200	2.46%	0.726%
13	9.555	2915	2925	2942	rVB	206911	387638	9.24%	2.726%
14	9.733	2970	2980	2987	rBV5	26053	42096	1.00%	0.296%
15	9.986	3047	3058	3067	rBV2	56409	88857	2.12%	0.625%
16	10.397	3168	3185	3197	rBV	1471196	1728321	41.20%	12.155%
17	11.769	3602	3609	3615	rBV4	38523	50360	1.20%	0.354%
18	12.060	3691	3699	3706	rVB3	87721	90954	2.17%	0.640%
19	12.245	3747	3756	3760	rBV4	84720	100748	2.40%	0.709%
20	12.271	3760	3764	3773	rVB	85921	96425	2.30%	0.678%
21	12.458	3813	3822	3835	rVB3	91084	121142	2.89%	0.852%
22	12.526	3835	3843	3849	rVB5	41472	47022	1.12%	0.331%
23	12.662	3877	3885	3891	rBV5	65036	79697	1.90%	0.560%
24	12.892	3947	3956	3962	rBV2	65059	72371	1.73%	0.509%
25	12.944	3962	3972	3981	rVB4	29573	42376	1.01%	0.298%
26	13.005	3981	3991	4003	rBV7	26948	47879	1.14%	0.337%
27	13.403	4104	4114	4121	rBV	66197	77694	1.85%	0.546%

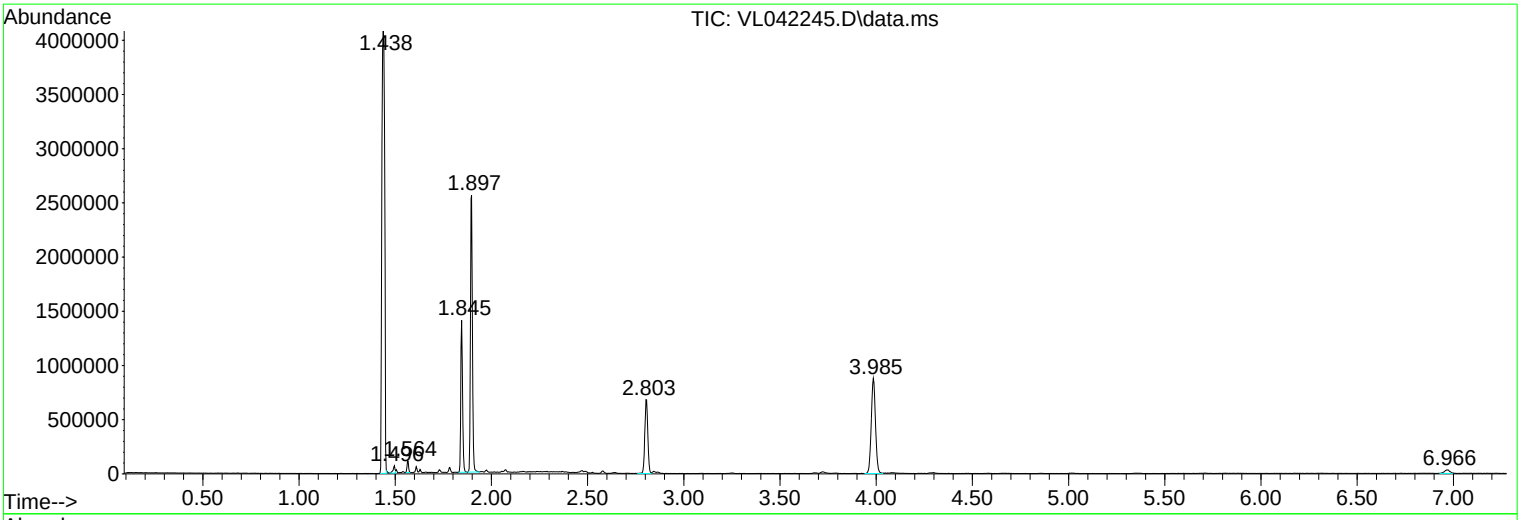
Sum of corrected areas: 14219356

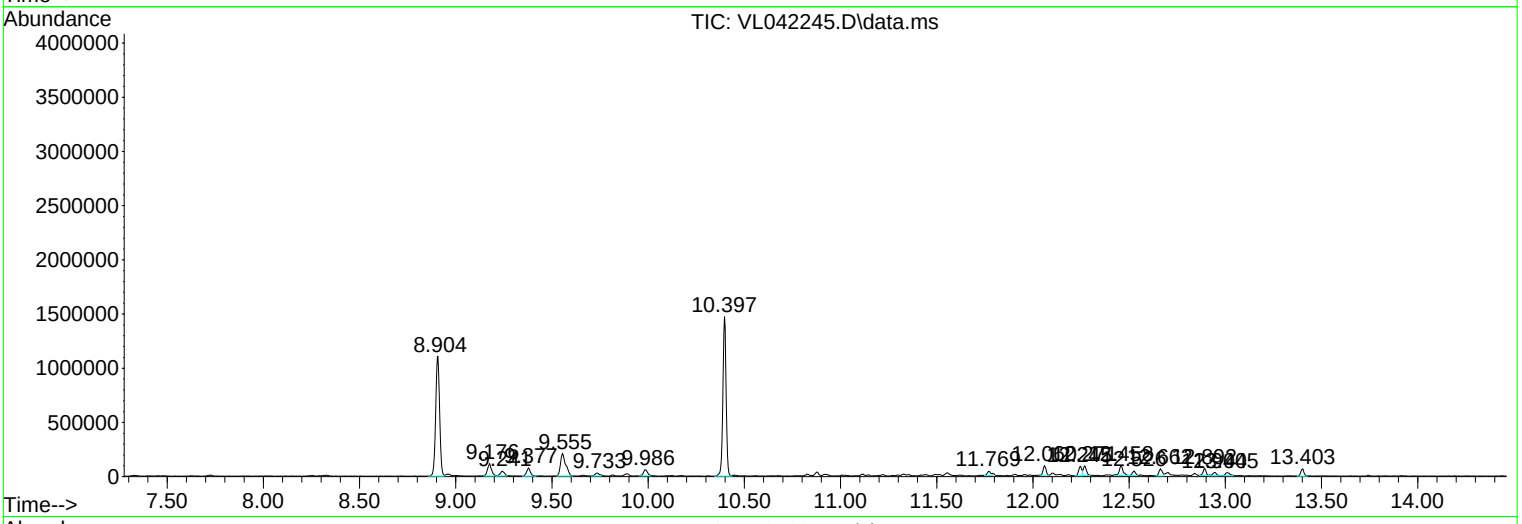
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

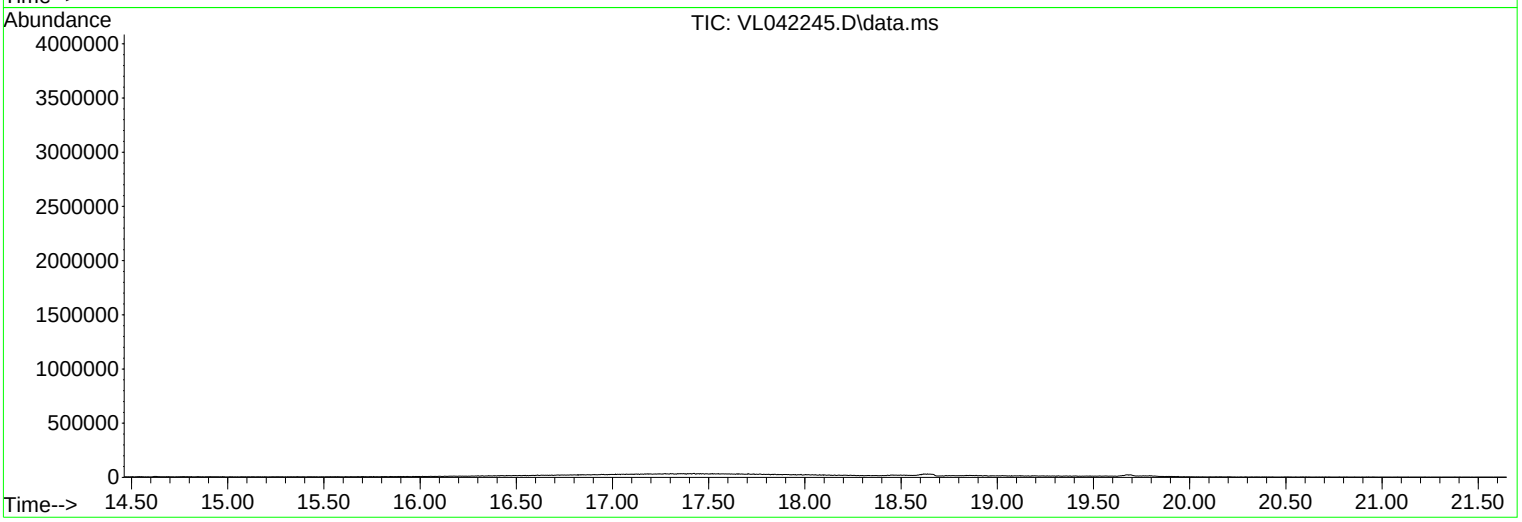
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

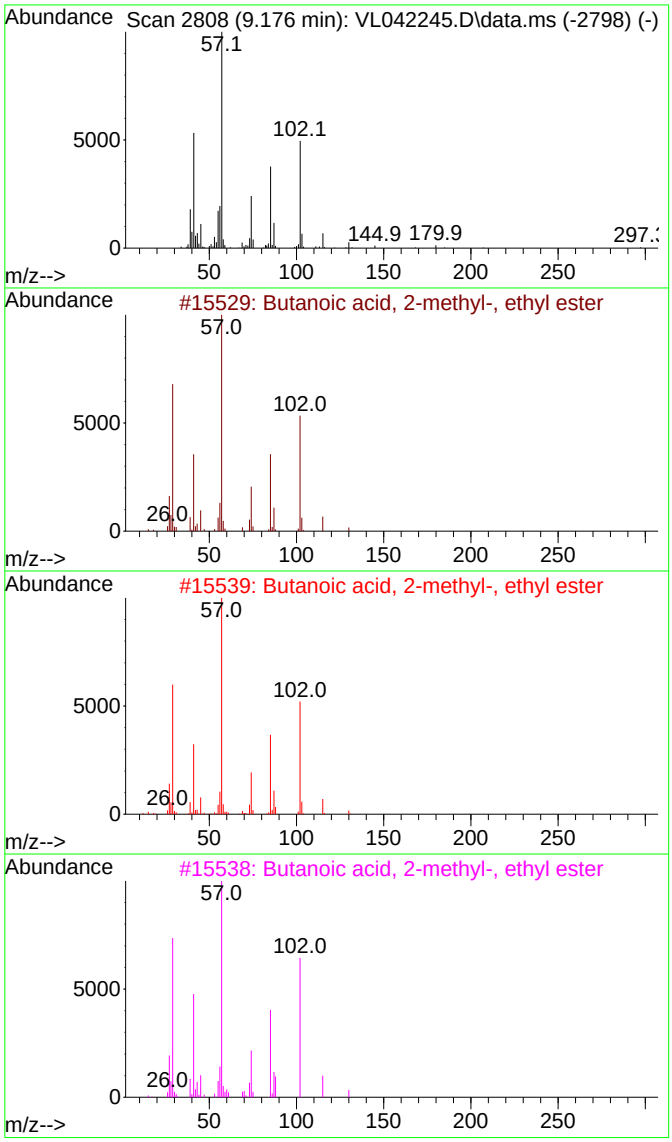
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

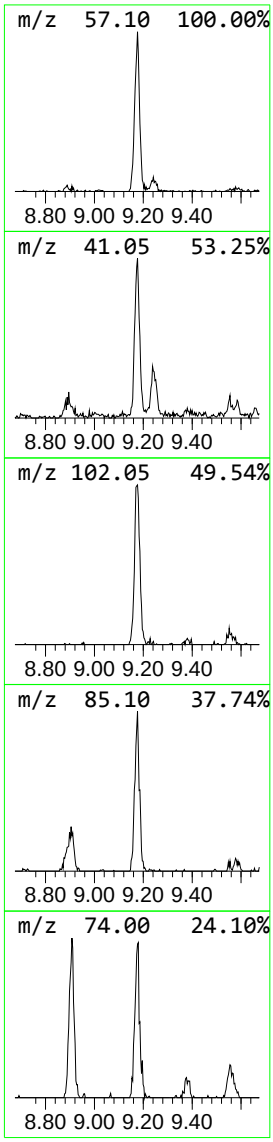
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butanoic acid, 2-methyl-, e... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.176	1.06 ppbv	167817	Chlorobenzene-d5	8.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	93
2	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	87
3	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	72
4	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	56
5	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butanoic acid, ...	9.176	1.1	ppbv	167817	3	8.908	1583130	10.0

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B14-3-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042239.D	10		04/07/25 19:17	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.10	10.4	UD	10.4	24.7	ug/m3
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.14	0.36	UD	0.36	0.77	ug/m3
74-83-9	Bromomethane	1.40	5.44	UD	5.44	19.4	ug/m3
75-00-3	Chloroethane	1.70	4.49	UD	4.49	13.2	ug/m3
109-99-9	Tetrahydrofuran	1.30	3.83	UD	3.83	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.60	8.99	UD	8.99	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	12.3	UD	12.3	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.88	6.15	UD	6.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.90	5.76	UD	5.76	15.2	ug/m3
142-82-5	Heptane	1.10	4.51	UD	4.51	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.40	5.55	UD	5.55	19.8	ug/m3
67-64-1	Acetone	46.2	110	D	5.70	11.9	ug/m3
75-15-0	Carbon Disulfide	1.60	4.98	UD	4.98	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1.20	4.33	UD	4.33	18.0	ug/m3
75-09-2	Methylene Chloride	1.90	6.60	UD	6.60	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.90	7.53	UD	7.53	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	1.20	3.54	UD	3.54	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.11	0.69	UD	0.69	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.89	3.53	UD	3.53	19.8	ug/m3
67-66-3	Chloroform	0.83	4.05	UD	4.05	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.10	0.55	UD	0.55	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.00	4.67	UD	4.67	23.4	ug/m3
71-43-2	Benzene	0.87	2.78	UD	2.78	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.91	3.68	UD	3.68	20.2	ug/m3
79-01-6	Trichloroethene	0.17	0.91	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.10	5.08	UD	5.08	23.1	ug/m3
75-27-4	Bromodichloromethane	0.77	5.16	UD	5.16	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.93	3.81	UD	3.81	20.5	ug/m3
108-88-3	Toluene	1.10	4.15	UD	4.15	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.60	2.72	UD	2.72	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.64	2.91	UD	2.91	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.71	3.87	UD	3.87	27.3	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B14-3-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042239.D	10		04/07/25 19:17	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.66	5.62	UD	5.62	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.72	5.53	UD	5.53	7.69	ug/m3
127-18-4	Tetrachloroethene	0.15	1.02	UD	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.76	3.50	UD	3.50	23.0	ug/m3
100-41-4	Ethyl Benzene	1.20	5.21	UD	5.21	21.7	ug/m3
179601-23-1	m/p-Xylene	3.00	13.0	JD	9.12	43.4	ug/m3
95-47-6	o-Xylene	1.20	5.21	UD	5.21	21.7	ug/m3
100-42-5	Styrene	1.10	4.68	UD	4.68	21.3	ug/m3
75-25-2	Bromoform	0.57	5.89	UD	5.89	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.11	0.76	UD	0.76	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.10	5.70	UD	5.70	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.10	5.41	UD	5.41	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.78	3.83	UD	3.83	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.80	4.81	UD	4.81	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	0.53	3.19	UD	3.19	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	0.75	4.51	UD	4.51	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.85	6.31	UD	6.31	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.85	9.07	UD	9.07	53.3	ug/m3
106-99-0	1,3-Butadiene	1.30	2.88	UD	2.88	11.1	ug/m3
91-20-3	Naphthalene	0.75	3.93	UD	3.93	5.24	ug/m3
622-96-8	4-Ethyltoluene	1.20	5.90	UD	5.90	24.6	ug/m3
110-54-3	Hexane	1.10	3.88	UD	3.88	17.6	ug/m3
107-05-1	Allyl Chloride	1.50	4.70	UD	4.70	15.7	ug/m3
123-91-1	1,4-Dioxane	2.10	7.57	UD	7.57	18.0	ug/m3
80-62-6	Methyl Methacrylate	0.86	3.52	UD	3.52	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.70			70 (65) - 130 (135)	97%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	193000		2.803			
540-36-3	1,4-Difluorobenzene	502000		3.985			
3114-55-4	Chlorobenzene-d5	443000		8.908			

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	04/01/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B14-3-04012025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-05DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042239.D	10		04/07/25 19:17	VL040725

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\VL040725\
Data File : VL042239.D
Acq On : 07 Apr 2025 19:17
Operator : SY/MD
Sample : Q1725-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 08 01:34:26 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 :
SSSG-B14-3-04012025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	192644	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	502203	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.908	117	443302	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	352454	9.682	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.800%			
Target Compounds						Qvalue
13) Ethanol	1.732	45	2731m	2.169	ppbv	
15) Acetone	1.845	43	124436	4.619	ppbv	94
19) Isopropyl Alcohol	1.897	45	243073	15.990	ppbv #	32
20) Methylene Chloride	2.072	84	1777	0.177	ppbv #	59
59) m/p-Xylene	9.555	91	18879	0.300	ppbv	99

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

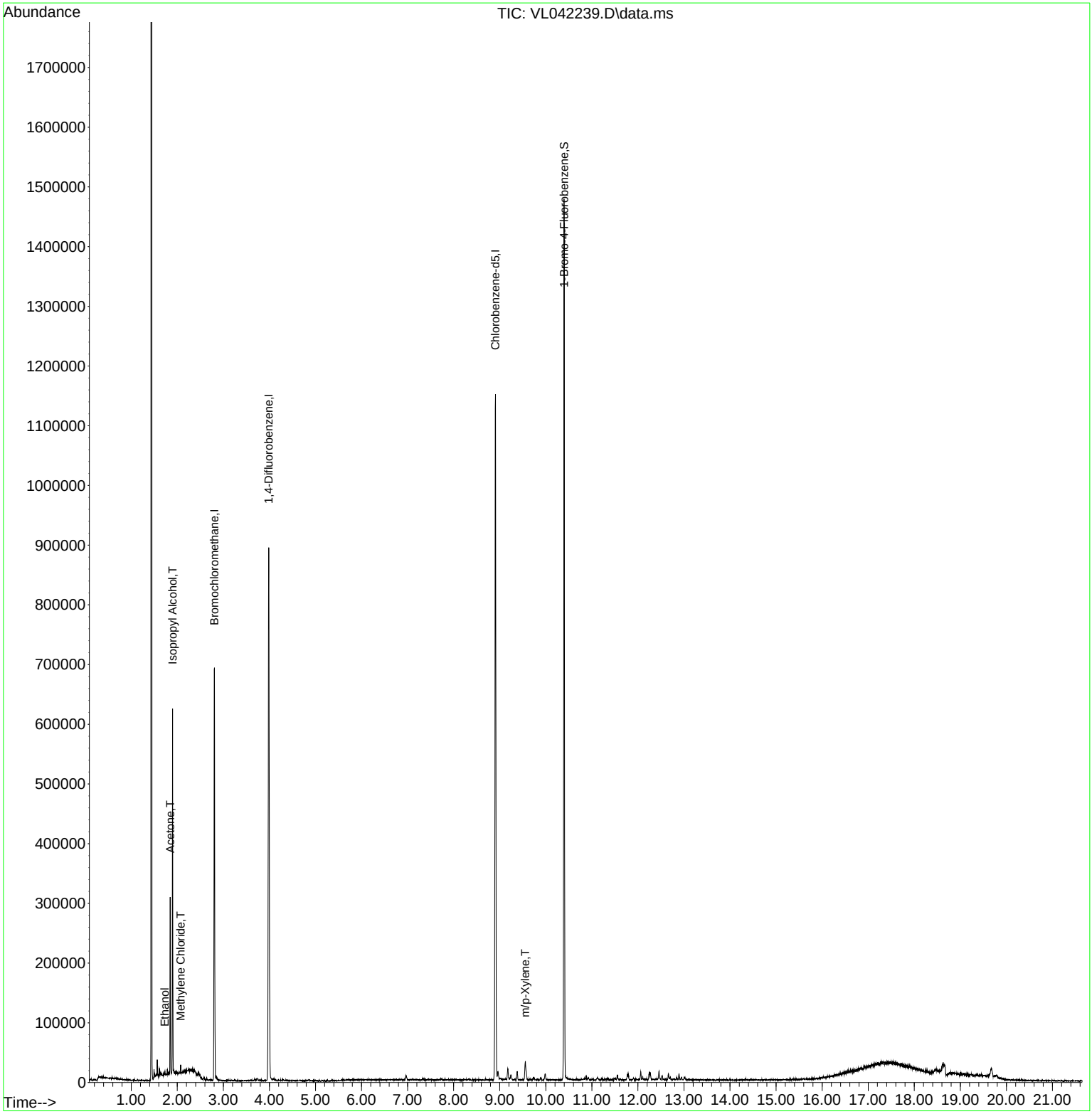
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042239.D
Acq On : 07 Apr 2025 19:17
Operator : SY/MD
Sample : Q1725-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

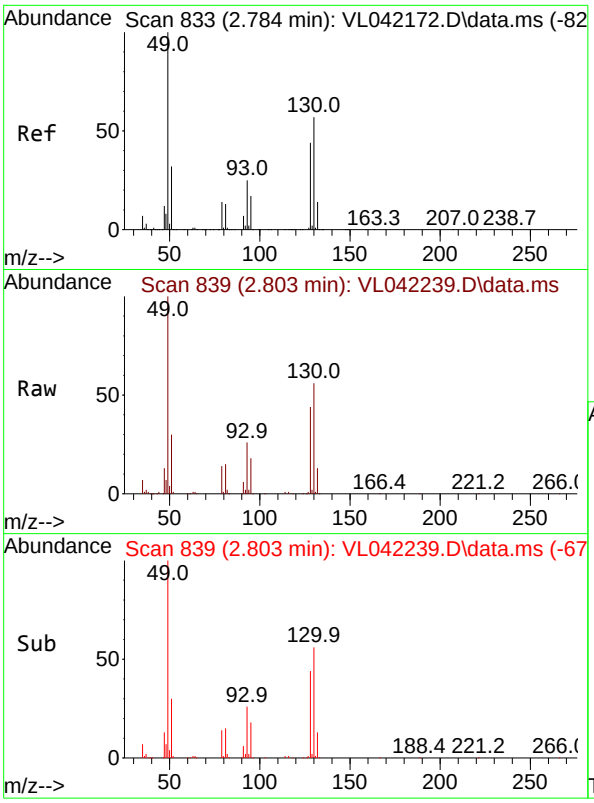
Quant Time: Apr 08 01:34:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

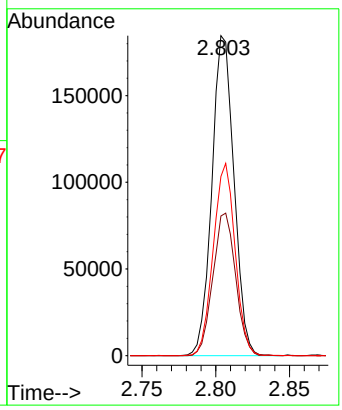




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 49 Resp: 19264

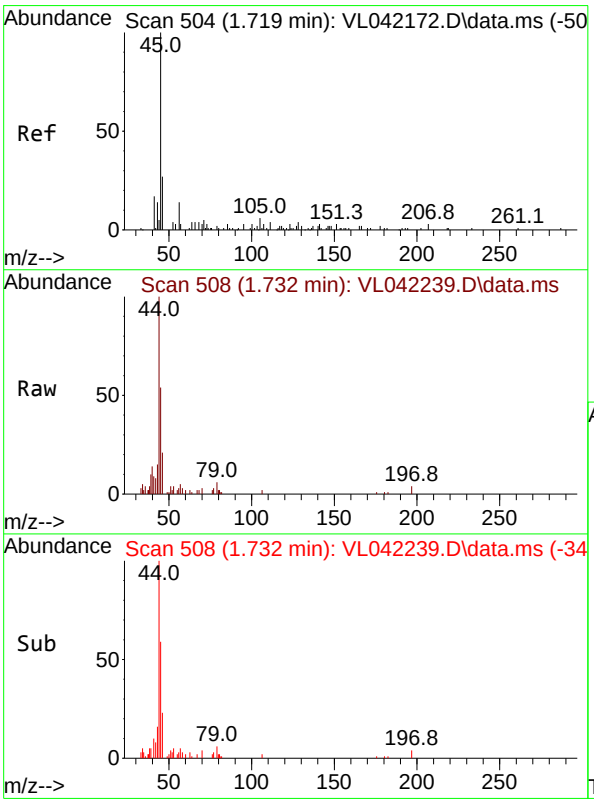
Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.5
130	59.4	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Manual Integrations
APPROVED

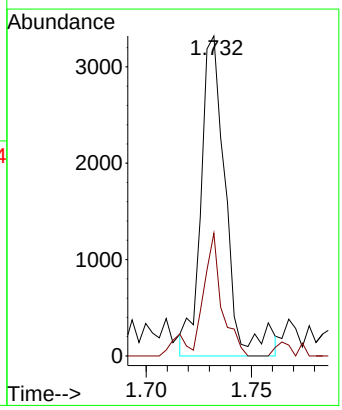
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

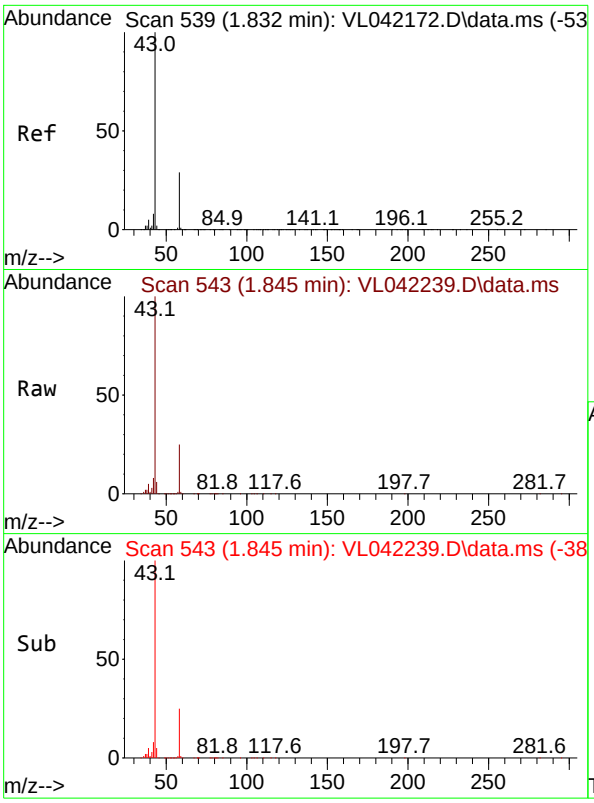


#13
Ethanol
Concen: 2.169 ppbv m
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 45 Resp: 2731

Ion	Ratio	Lower	Upper
45	100		
46	228.3	20.2	80.8#





#15
Acetone
Concen: 4.619 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 43 Resp: 12443(

Ion	Ratio	Lower	Upper
43	100		
58	25.7	23.2	34.8

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
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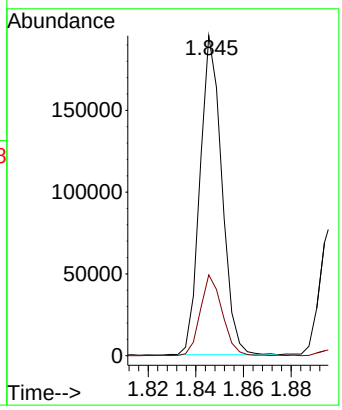
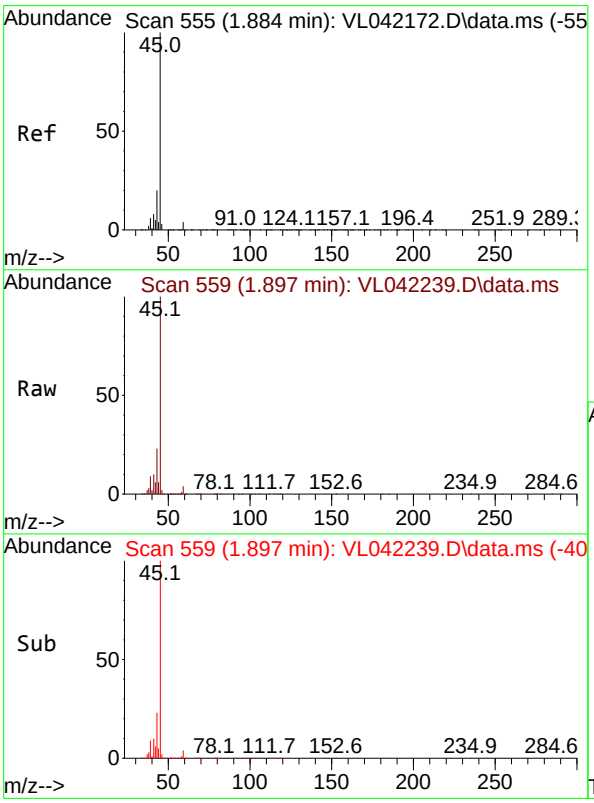
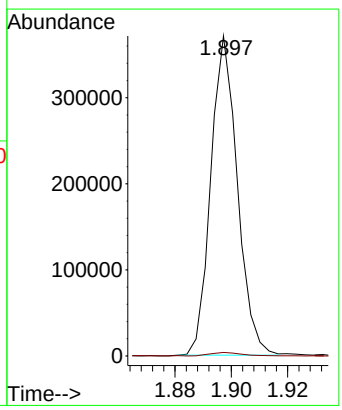


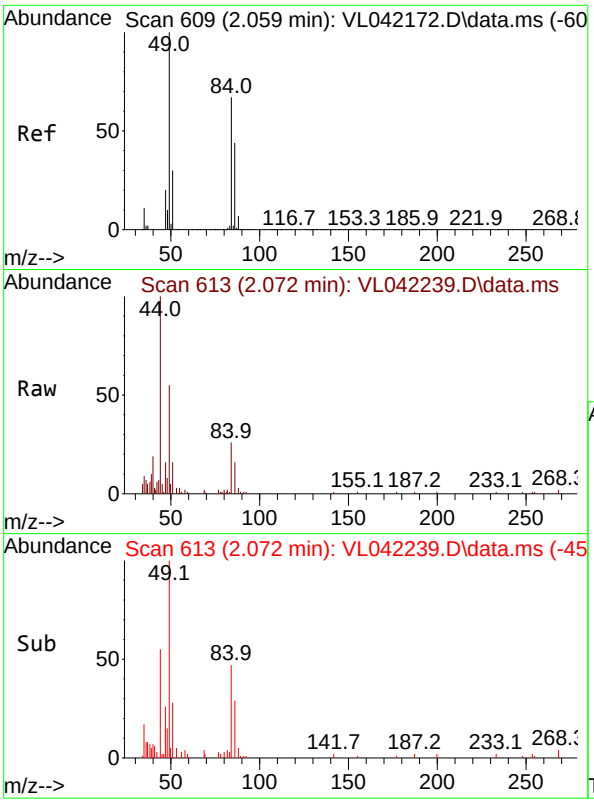


#19
Isopropyl Alcohol
Concen: 15.990 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 45 Resp: 243073

Ion	Ratio	Lower	Upper
45	100		
58	1.3	36.9	55.3#

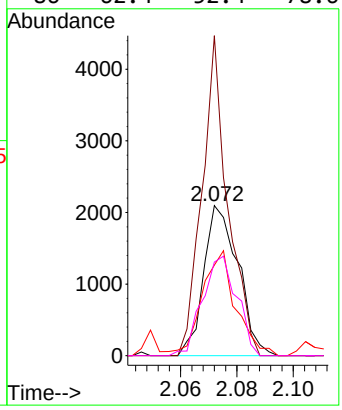




#20
Methylene Chloride
Concen: 0.177 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 84 Resp: 177

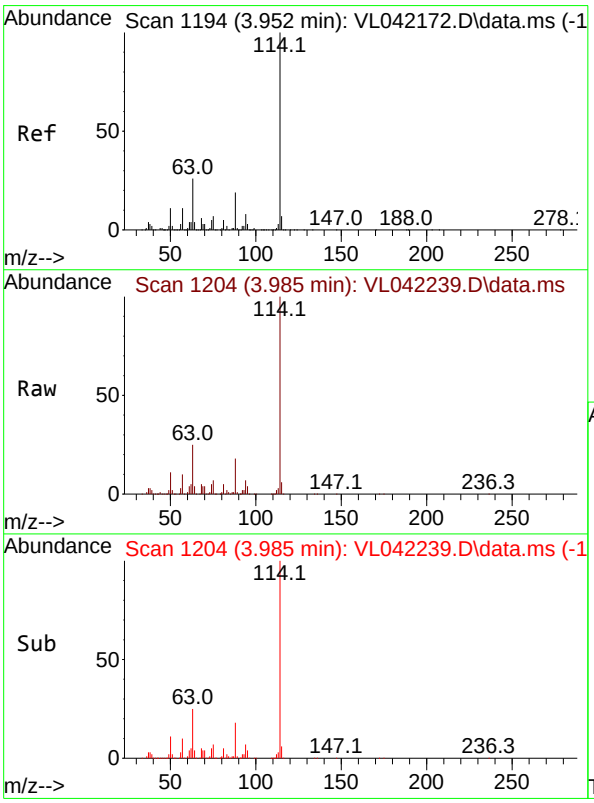
Ion	Ratio	Lower	Upper
84	100		
49	231.4	120.2	180.4#
51	60.3	37.4	56.0#
86	62.4	52.4	78.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Manual Integrations
APPROVED

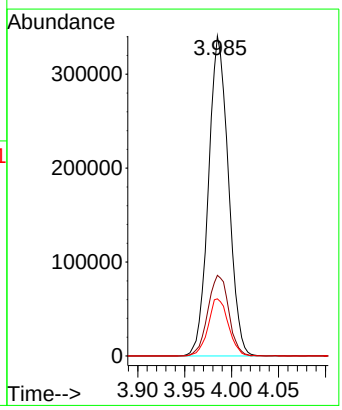
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

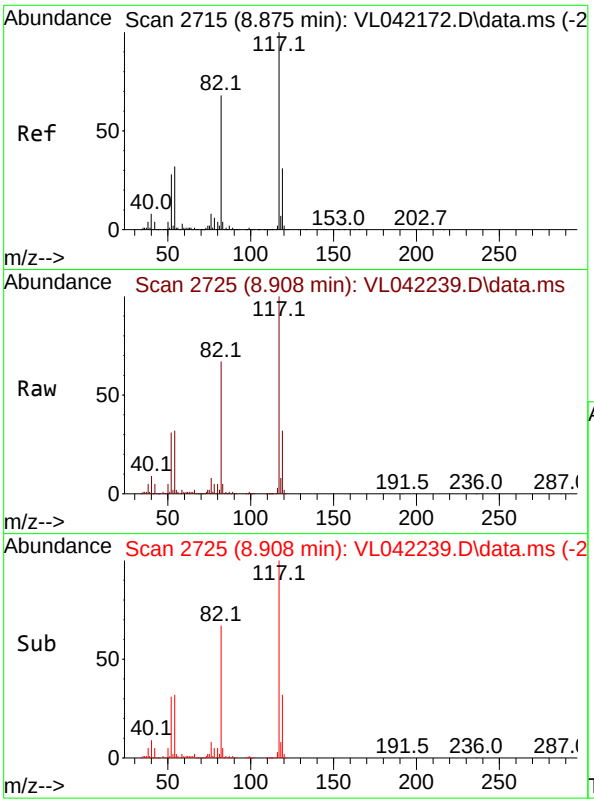


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion:114 Resp: 502203

Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.7	31.1
88	18.2	15.0	22.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion:117 Resp: 44330

Ion	Ratio	Lower	Upper
117	100		
82	66.1	55.8	83.6
119	31.8	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Manual Integrations
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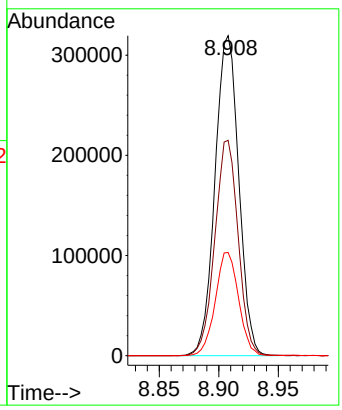
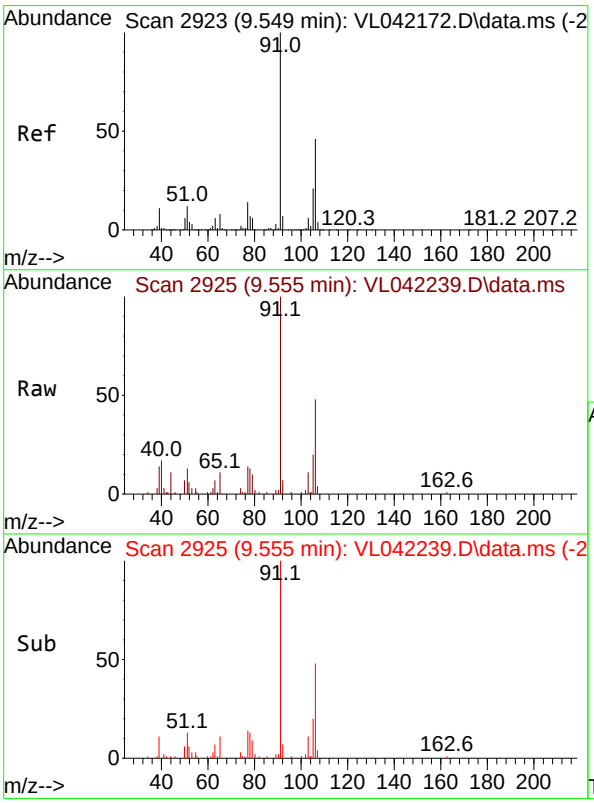
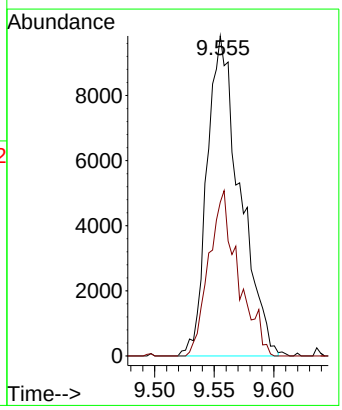


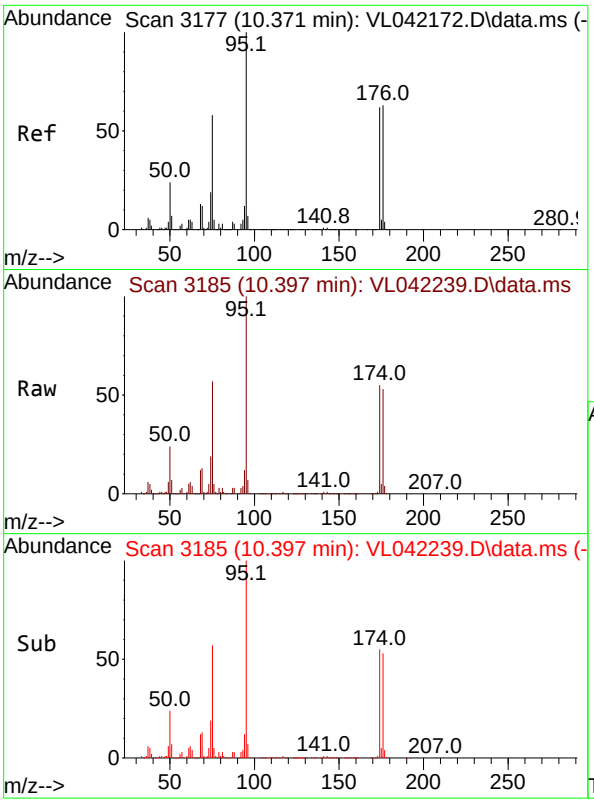


#59
m/p-Xylene
Concen: 0.300 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.007 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 91 Resp: 18879

Ion	Ratio	Lower	Upper
91	100		
106	46.4	36.4	54.6

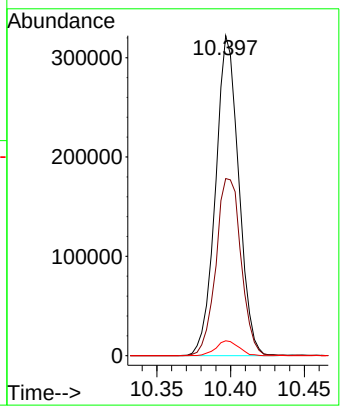




#68
1-Bromo-4-Fluorobenzene
Concen: 9.682 ppbv
RT: 10.397 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 95 Resp: 35245

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.6	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-3-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-06	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
VL042247.D	4		04/07/25 23:41	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.84	4.15	U	4.15	9.89	ug/m3
74-87-3	Chloromethane	0.65	1.34	J	0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	U	0.15	0.31	ug/m3
74-83-9	Bromomethane	0.56	2.17	U	2.17	7.77	ug/m3
75-00-3	Chloroethane	0.68	1.79	U	1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.97	2.86	J	1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.64	3.60	U	3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	U	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	U	2.45	14.0	ug/m3
75-65-0	tert-Butyl alcohol	1.20	3.64	J	2.30	6.06	ug/m3
142-82-5	Heptane	0.44	1.80	U	1.80	8.20	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	U	2.22	7.93	ug/m3
67-64-1	Acetone	160	380	E	2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	0.64	1.99	U	1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	U	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	6.80	23.6		2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	U	3.01	7.93	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	U	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	U	3.03	6.88	ug/m3
78-93-3	2-Butanone	19.6	57.8		1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25	U	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	U	1.43	7.93	ug/m3
67-66-3	Chloroform	1.40	6.84	J	1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	U	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	U	1.87	9.34	ug/m3
71-43-2	Benzene	0.35	1.12	U	1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	U	1.46	8.09	ug/m3
79-01-6	Trichloroethene	0.070	0.38	U	0.38	0.64	ug/m3
78-87-5	1,2-Dichloropropane	0.44	2.03	U	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	0.31	2.08	U	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	U	1.52	8.20	ug/m3
108-88-3	Toluene	0.48	1.81	J	1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	U	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	U	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	U	1.53	10.9	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-3-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-06	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
VL042247.D	4		04/07/25 23:41	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.26	2.22	U	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	U	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	2.50	16.9		0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	U	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	0.48	2.08	U	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	0.84	3.65	U	3.65	17.4	ug/m3
95-47-6	o-Xylene	0.48	2.08	U	2.08	8.69	ug/m3
100-42-5	Styrene	0.44	1.87	U	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	U	2.38	20.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	U	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	U	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.31	1.52	U	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	U	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.21	1.26	U	1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.30	1.80	U	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.34	2.52	U	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	U	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	U	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	U	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	U	2.36	9.83	ug/m3
110-54-3	Hexane	2.00	7.05		1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	U	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	U	3.03	7.21	ug/m3
80-62-6	Methyl Methacrylate	0.34	1.39	U	1.39	8.19	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			70 (65) - 130 (135)	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	195000		2.803			
540-36-3	1,4-Difluorobenzene	496000		3.985			
3114-55-4	Chlorobenzene-d5	437000		8.904			
TENTITIVE IDENTIFIED COMPOUNDS							
115-07-1	Propene	3.20		J		1.50	ppbv
64-17-5	Ethanol	3700		J		1.73	ppbv
67-63-0	Isopropyl Alcohol	470		J		1.90	ppbv

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-3-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-06	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
VL042247.D	4		04/07/25 23:41	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
007452-79-1	Butanoic acid, 2-methyl-, ethyl es	88.2		J		9.17	ppbv
005989-27-5	D-Limonene	98.9		J		12.1	ppbv
021944-83-2	(Z,Z)-3,6-Nonadienal	5.00		J		12.4	ppbv
	unknown12.720	4.20		J		12.7	ppbv
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	27.5		J		13.4	ppbv

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\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 01:38:20 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.803	49	194534	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.985	114	495845	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	437126	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.396	95	361726	10.077	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	3454	0.120	ppbv		95
4) Chloromethane	1.538	50	1900	0.162	ppbv		96
9) Propene	1.496	41	10786m	0.802	ppbv		
13) Ethanol	1.732	45	1184959	932.018	ppbv		87
15) Acetone	1.845	43	1081614	39.756	ppbv		98
17) tert-Butyl alcohol	2.056	59	10312m	0.304	ppbv		
19) Isopropyl Alcohol	1.897	45	1799475	117.225	ppbv	#	32
20) Methylene Chloride	2.075	84	17220	1.699	ppbv		96
26) Hexane	2.845	57	13903	0.510	ppbv	#	63
29) Chloroform	2.865	83	14300	0.358	ppbv		94
34) 2-Butanone	2.573	43	176547	4.910	ppbv		98
41) Tetrahydrofuran	3.088	42	5017m	0.242	ppbv		
52) Tetrachloroethene	8.250	164	12097	0.621	ppbv		88
53) Toluene	6.959	91	6983m	0.120	ppbv		

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

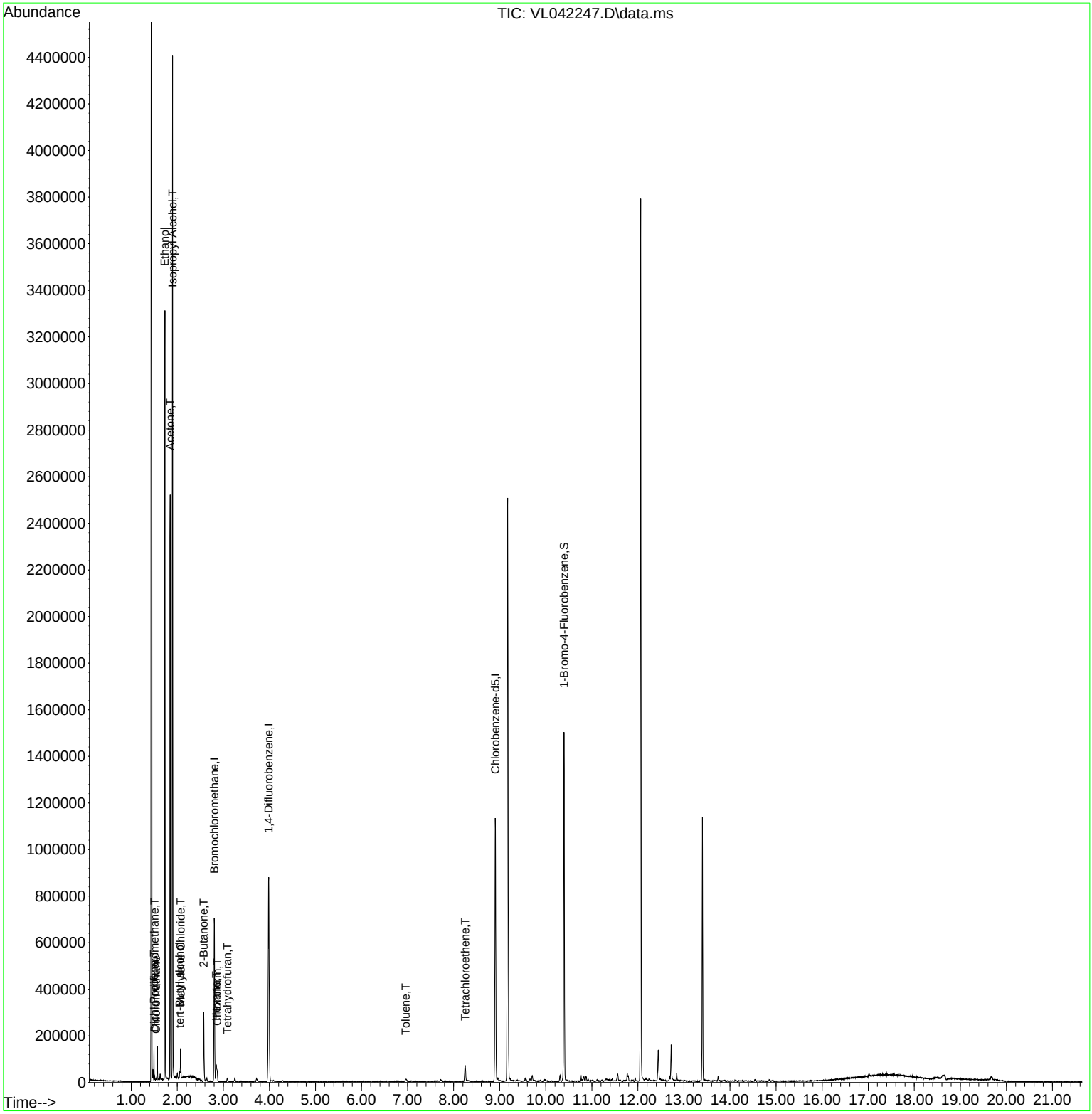
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

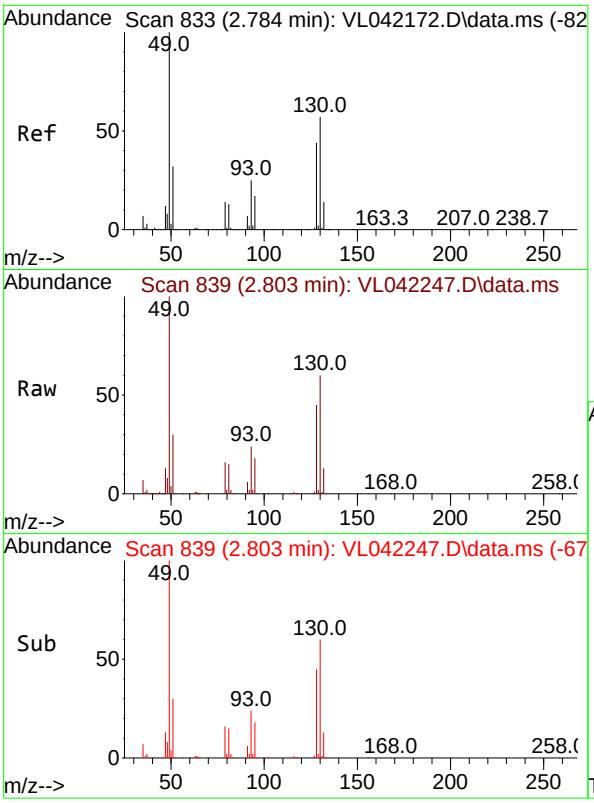
Quant Time: Apr 08 01:38:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

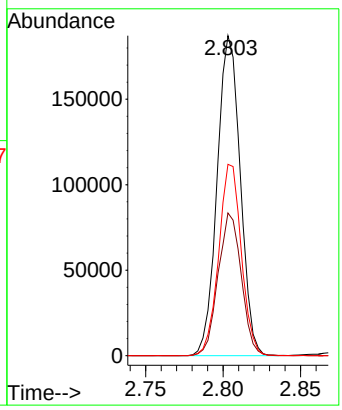




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 49 Resp: 19453

Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.9	68.5
130	58.5	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
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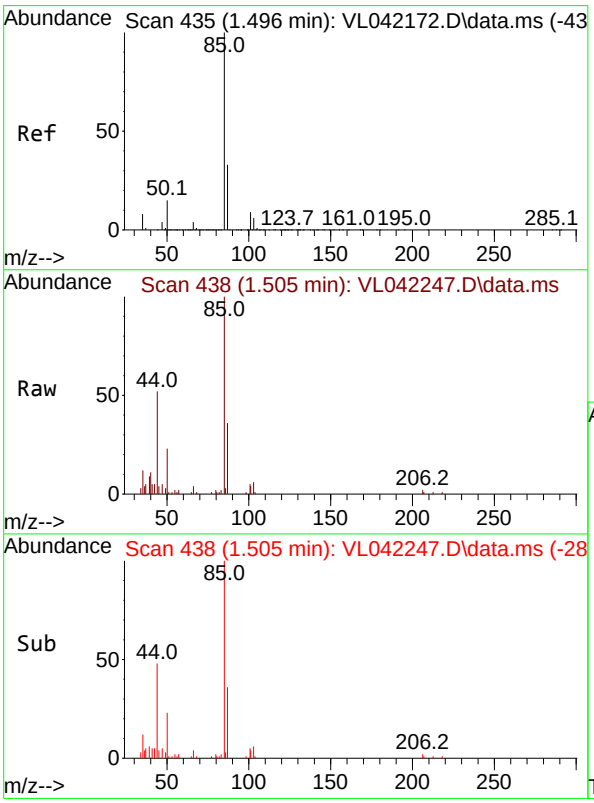
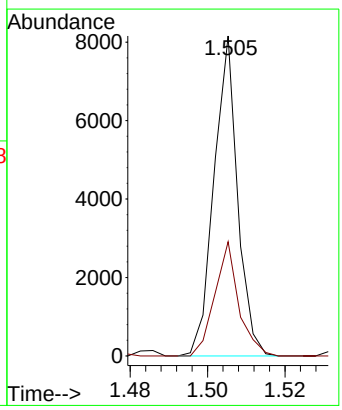
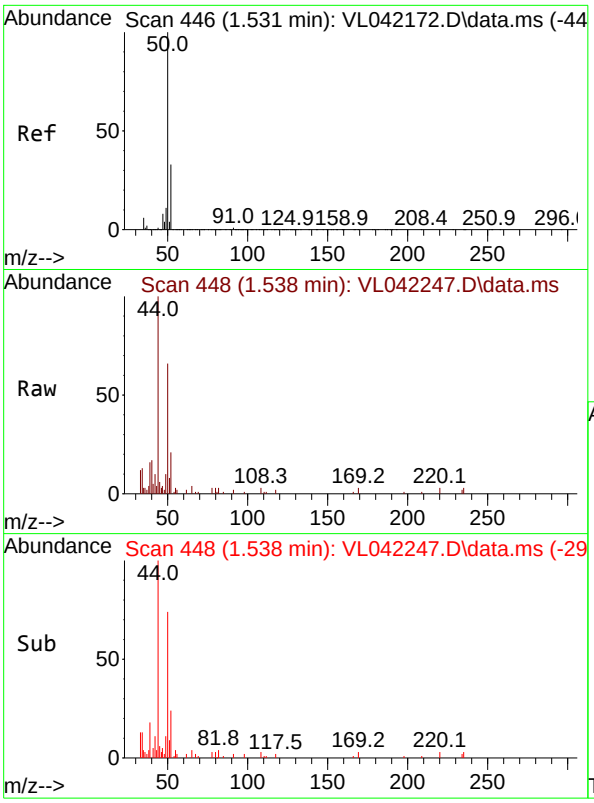


#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 85 Resp: 3454

Ion	Ratio	Lower	Upper
85	100		
87	35.7	26.1	39.1





#4
Chloromethane
Concen: 0.162 ppbv
RT: 1.538 min Scan# 44
Delta R.T. 0.006 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 50 Resp: 190

Ion	Ratio	Lower	Upper
50	100		
52	30.3	26.1	39.1

Instrument :
MSVOA_L
ClientSampleId :
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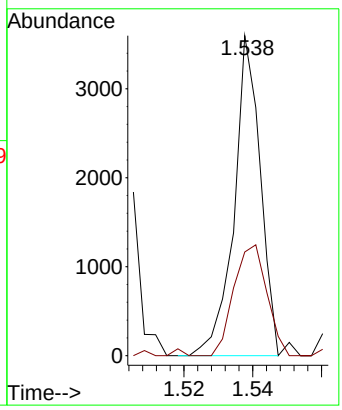
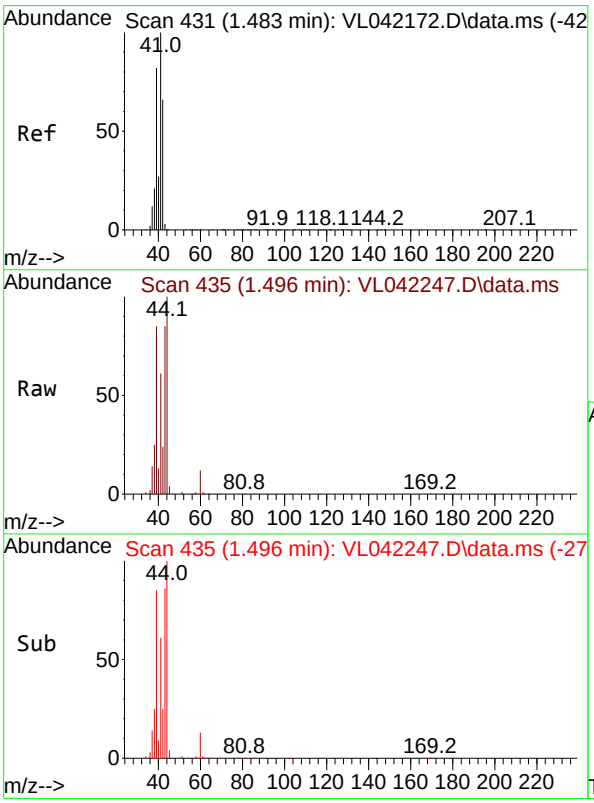
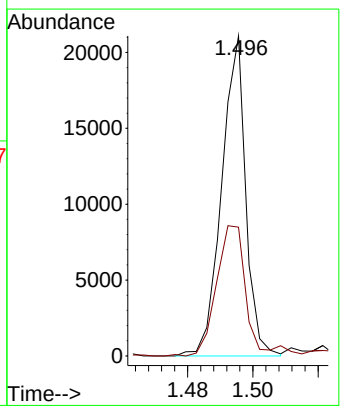


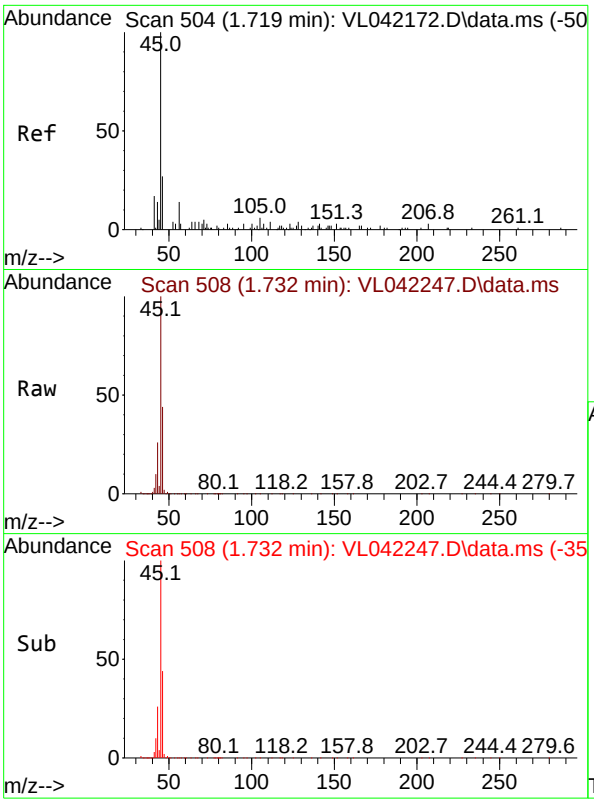


#9
Propene
Concen: 0.802 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 41 Resp: 10786

Ion	Ratio	Lower	Upper
41	100		
42	1225.1	55.4	83.2#

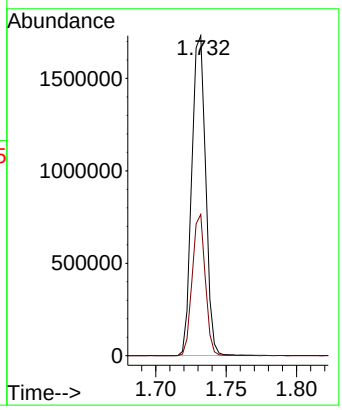




#13
Ethanol
Concen: 932.018 ppbv
RT: 1.732 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 45 Resp: 118495

Ion	Ratio	Lower	Upper
45	100		
46	41.7	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
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Manual Integrations
APPROVED

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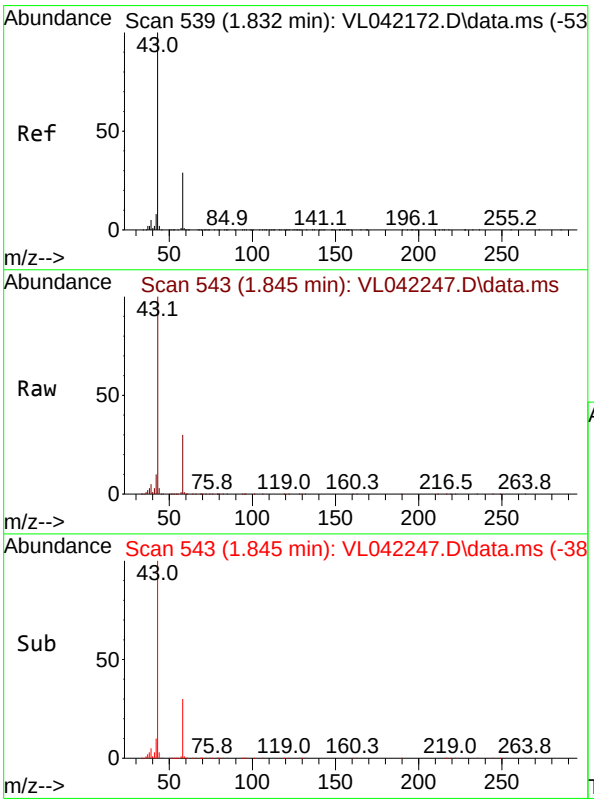
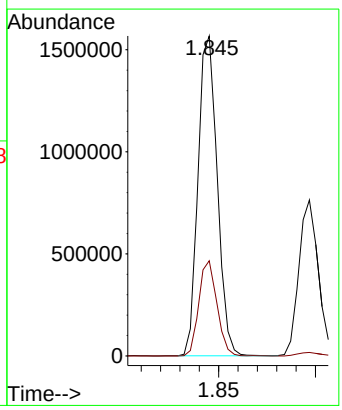
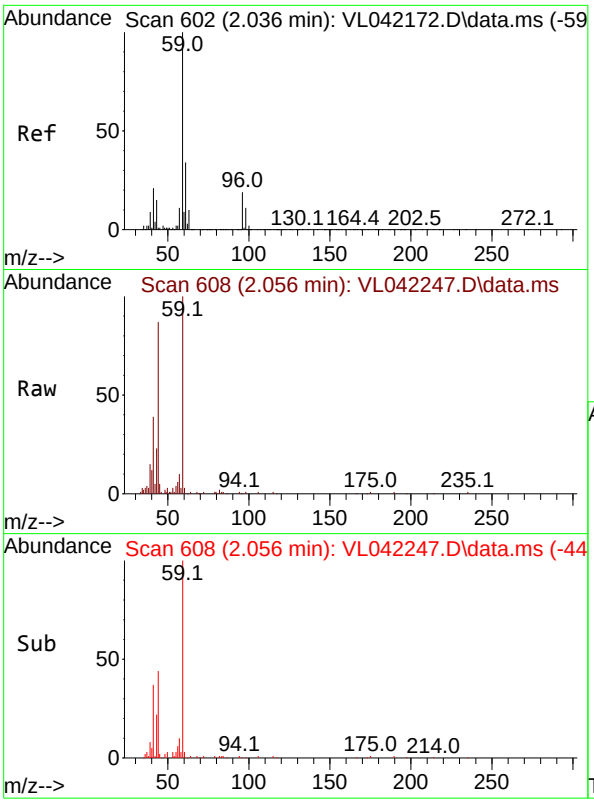


#15
Acetone
Concen: 39.756 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 43 Resp: 1081614

Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.2	34.8





#17
tert-Butyl alcohol
Concen: 0.304 ppbv m
RT: 2.056 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 59 Resp: 1031

Ion	Ratio	Lower	Upper
59	100		
57	79.1	8.9	13.3#

Instrument :
MSVOA_L
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Manual Integrations
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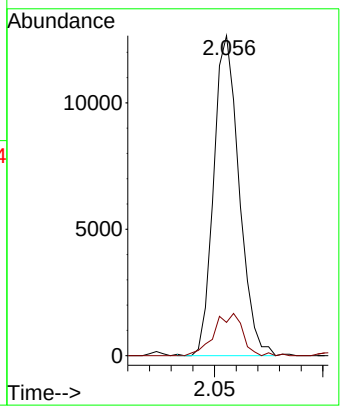
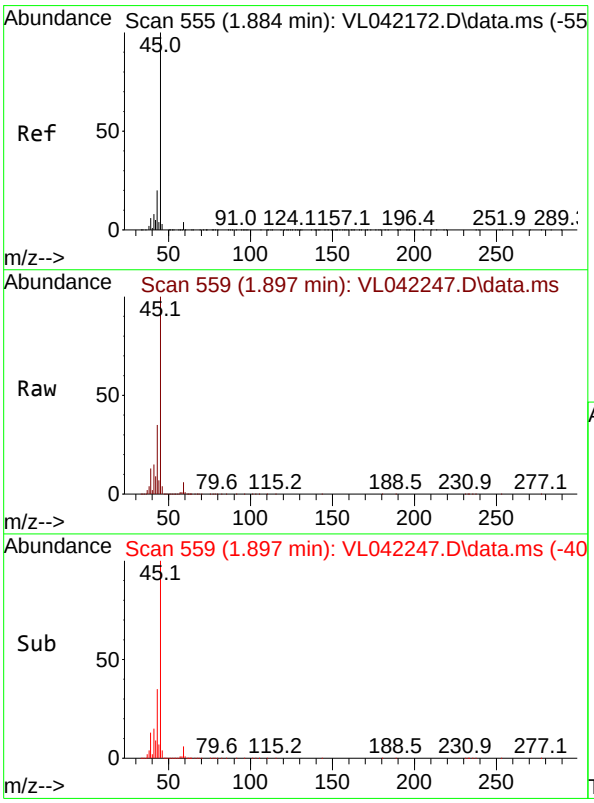
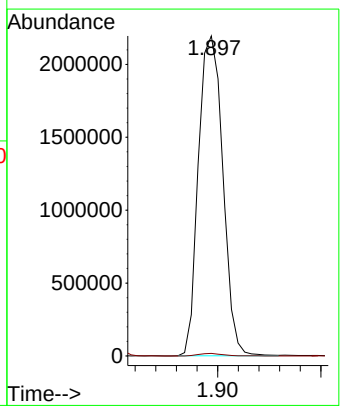


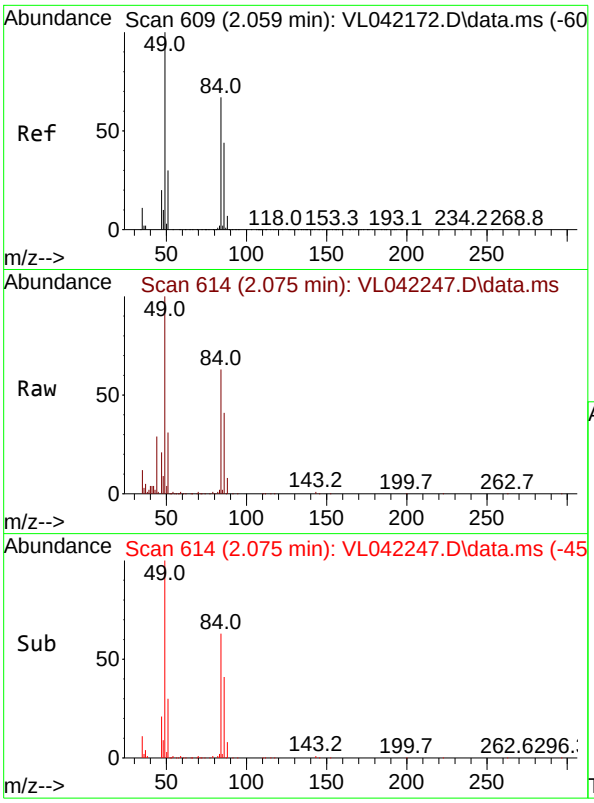


#19
Isopropyl Alcohol
Concen: 117.225 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 45 Resp: 1799475

Ion	Ratio	Lower	Upper
45	100		
58	0.9	36.9	55.3#

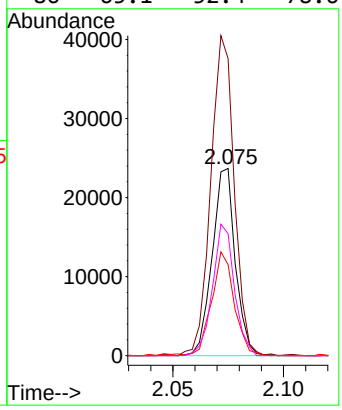




#20
Methylene Chloride
Concen: 1.699 ppbv
RT: 2.075 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 84 Resp: 1722

Ion	Ratio	Lower	Upper
84	100		
49	158.6	120.2	180.4
51	48.5	37.4	56.0
86	65.1	52.4	78.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
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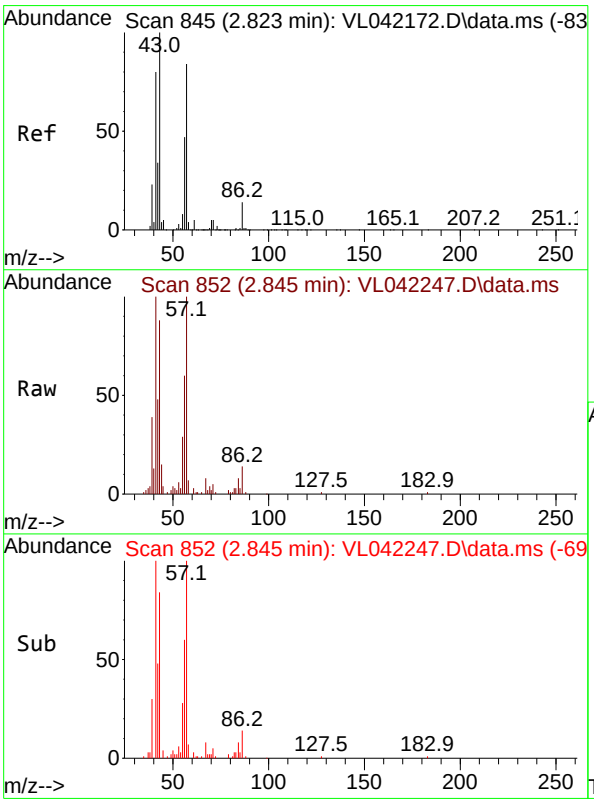
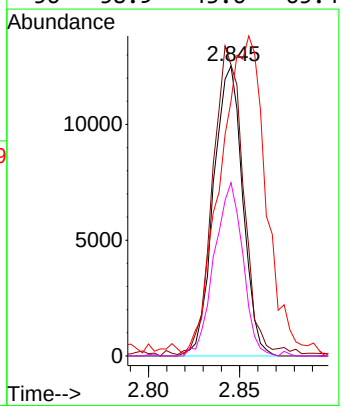
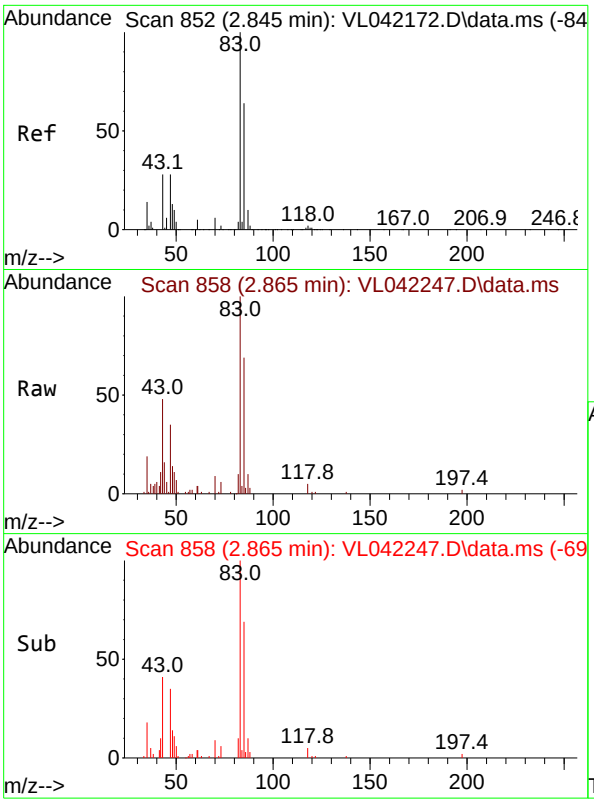


#26
Hexane
Concen: 0.510 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.022 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 57 Resp: 13903

Ion	Ratio	Lower	Upper
57	100		
41	116.7	76.6	114.8#
43	171.7	207.8	311.8#
56	58.9	43.6	65.4

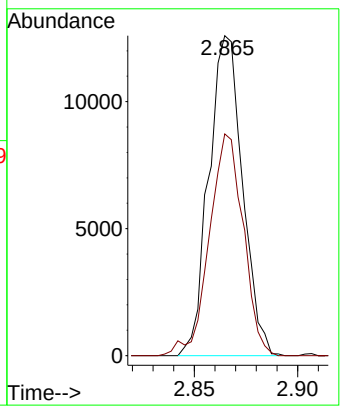




#29
Chloroform
Concen: 0.358 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 83 Resp: 1430

Ion	Ratio	Lower	Upper
83	100		
85	69.3	51.4	77.2



Instrument :
MSVOA_L
ClientSampleId :
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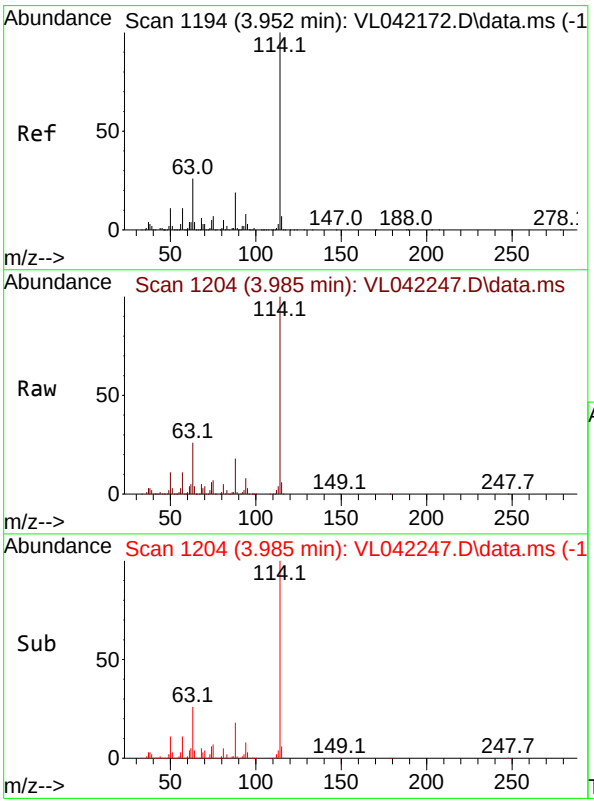
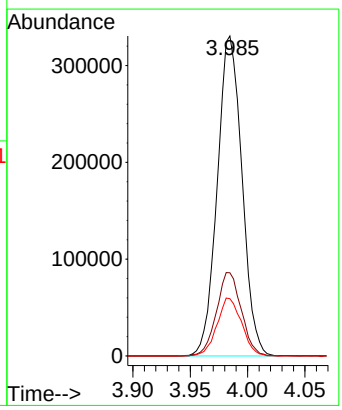
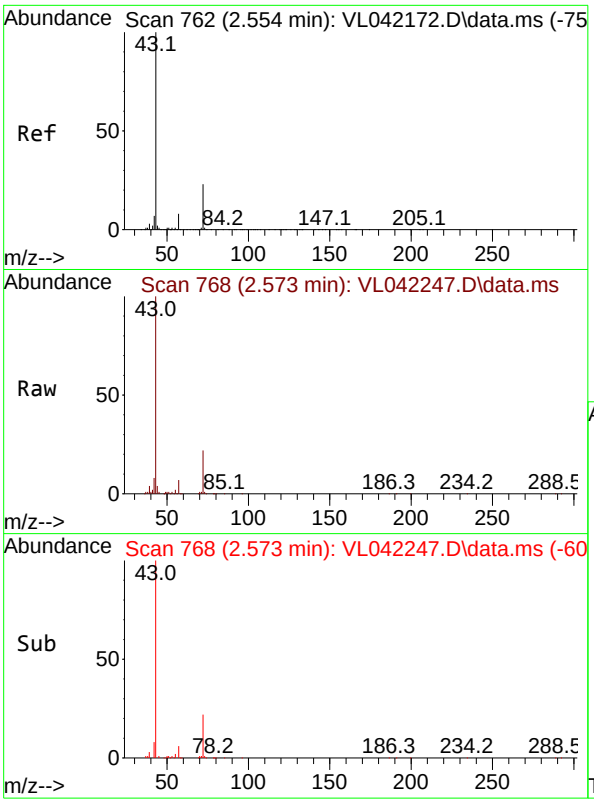


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion:114 Resp: 495845

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	18.0	15.0	22.4





#34
2-Butanone
Concen: 4.910 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 43 Resp: 17654

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2

Instrument :
MSVOA_L
ClientSampleId :
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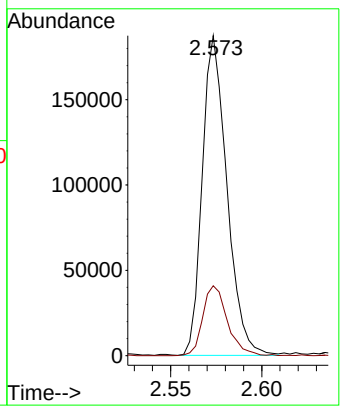
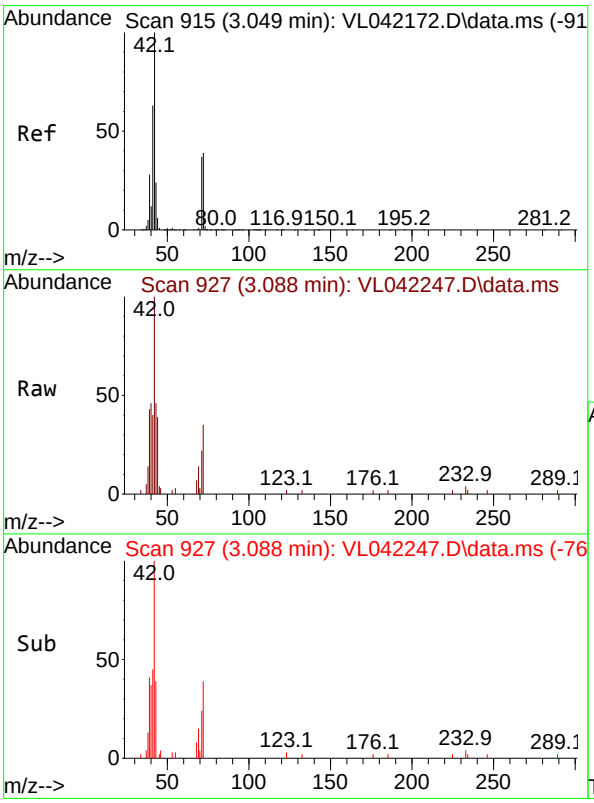
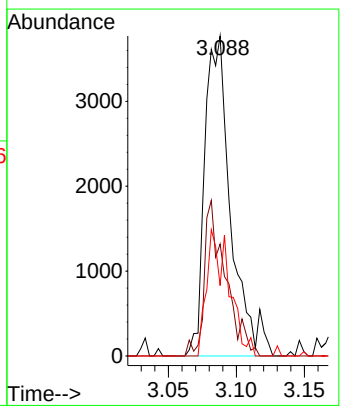


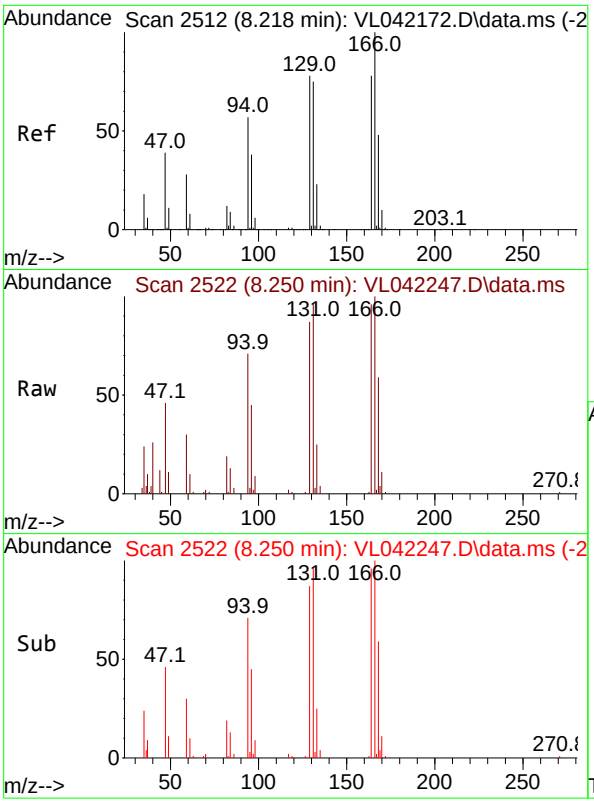


#41
Tetrahydrofuran
Concen: 0.242 ppbv m
RT: 3.088 min Scan# 927
Delta R.T. 0.039 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 42 Resp: 5017

Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	34.0	30.2	45.4

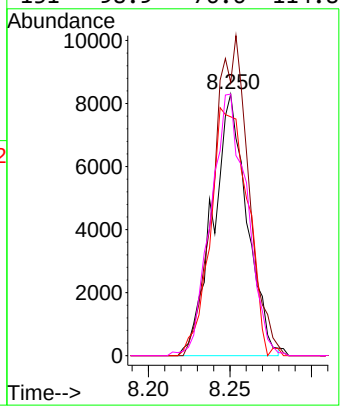




#52
Tetrachloroethene
Concen: 0.621 ppbv
RT: 8.250 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion:164 Resp: 1209

Ion	Ratio	Lower	Upper
164	100		
166	104.5	102.5	153.7
129	91.4	79.8	119.8
131	98.9	76.6	114.8



Instrument :
MSVOA_L
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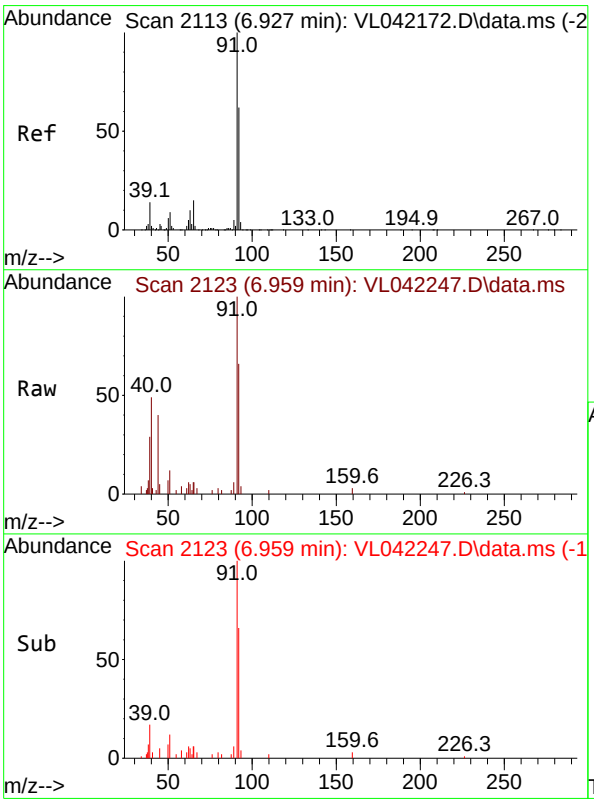
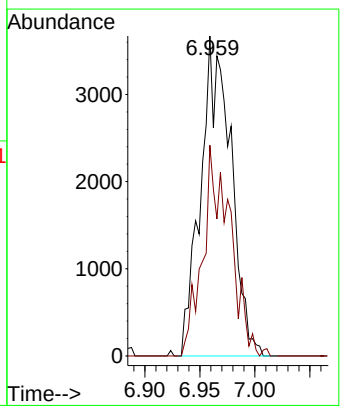
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

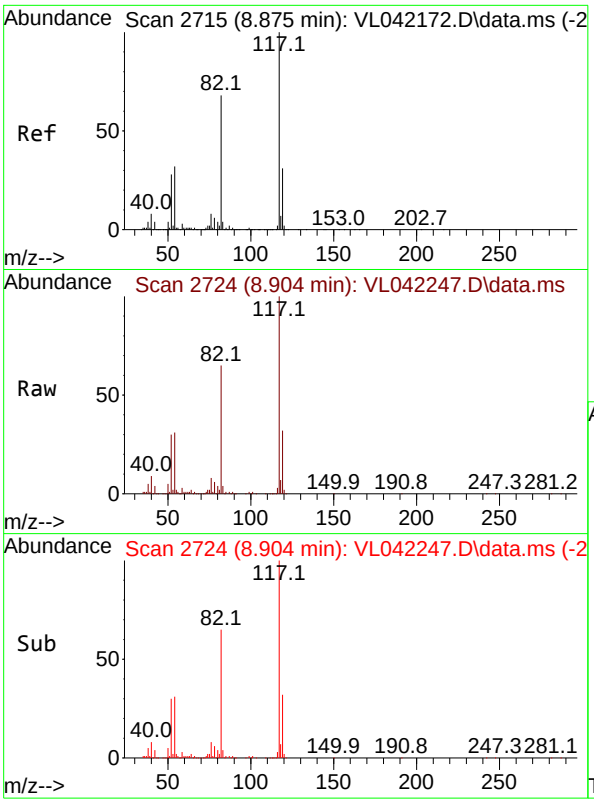


#53
Toluene
Concen: 0.120 ppbv m
RT: 6.959 min Scan# 2123
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 91 Resp: 6983

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#

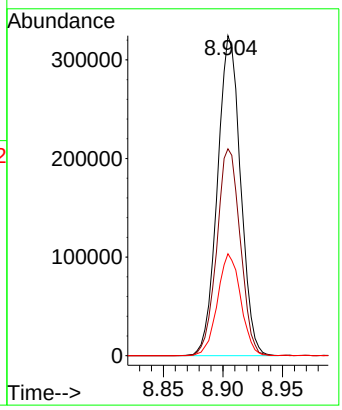




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion:117 Resp: 43712

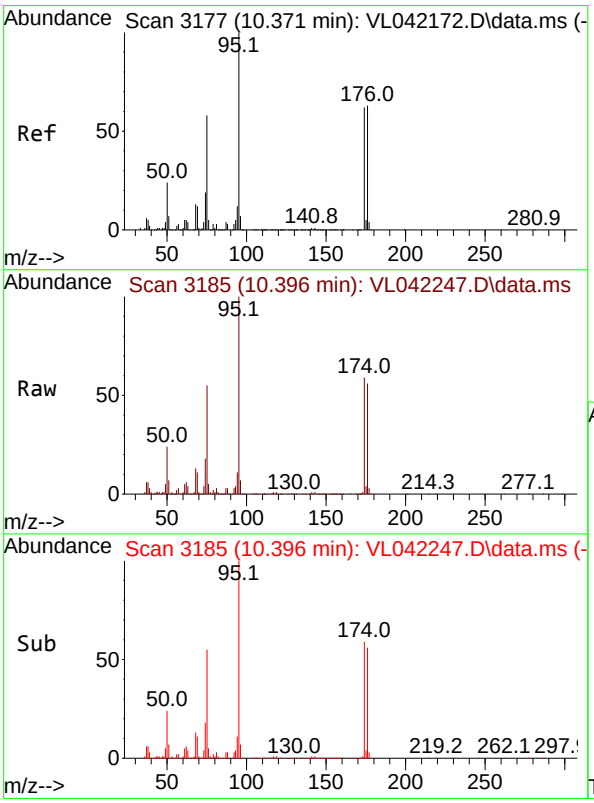
Ion	Ratio	Lower	Upper
117	100		
82	65.8	55.8	83.6
119	32.2	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Manual Integrations
APPROVED

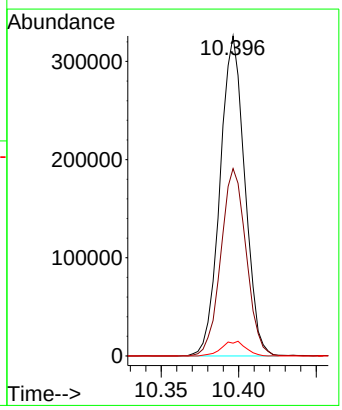
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.077 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 95 Resp: 361726

Ion	Ratio	Lower	Upper
95	100		
174	59.9	50.6	76.0
175	4.5	3.8	5.6



LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042247.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.434	412	416	417	rBV	4572470	2968303	77.19%	10.875%
2	1.441	417	418	423	rVB2	4313247	2274854	59.16%	8.335%
3	1.496	431	435	442	rVB2	137903	71295	1.85%	0.261%
4	1.567	452	457	461	rBV	145674	88784	2.31%	0.325%
5	1.732	503	508	518	rBV	3297358	2194029	57.06%	8.039%
6	1.845	538	543	552	rBV	2505629	1701485	44.25%	6.234%
7	1.897	554	559	572	rVB	4384027	3299416	85.80%	12.089%
8	2.072	609	613	621	rVB	126474	96500	2.51%	0.354%
9	2.573	761	768	779	rBV	298033	286473	7.45%	1.050%
10	2.803	831	839	846	rBV	703471	737338	19.17%	2.701%
11	2.845	846	852	857	rBV3	58253	82458	2.14%	0.302%
12	3.985	1189	1204	1217	rBV	877806	1336388	34.75%	4.896%
13	8.247	2512	2521	2532	rBV3	69195	115249	3.00%	0.422%
14	8.904	2711	2724	2735	rBV	1130973	1555835	40.46%	5.700%
15	9.173	2794	2807	2831	rBV	2502936	3429931	89.20%	12.567%
16	10.396	3171	3185	3196	rBV	1496947	1730228	45.00%	6.339%
17	11.558	3534	3544	3553	rBV5	30551	51520	1.34%	0.189%
18	12.060	3686	3699	3722	rBV	3787176	3845359	100.00%	14.089%
19	12.442	3806	3817	3827	rBV7	132226	193331	5.03%	0.708%
20	12.720	3897	3903	3918	rVB2	150377	163894	4.26%	0.600%
21	13.400	4104	4113	4122	rBV	1131169	1071024	27.85%	3.924%

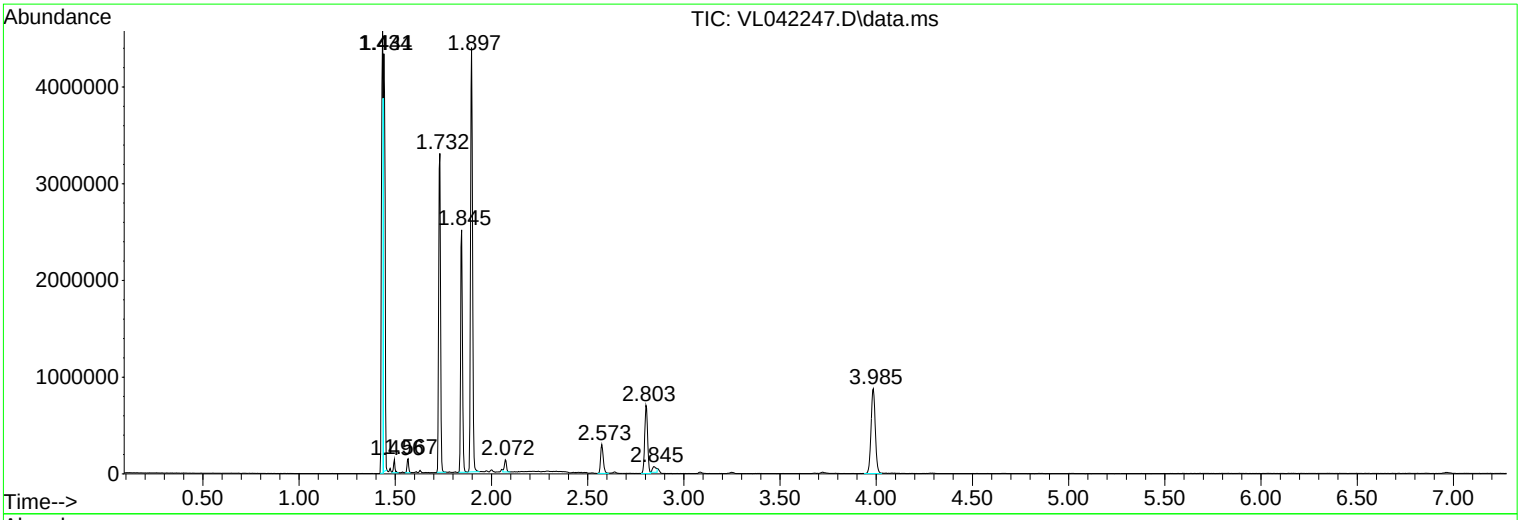
Sum of corrected areas: 27293694

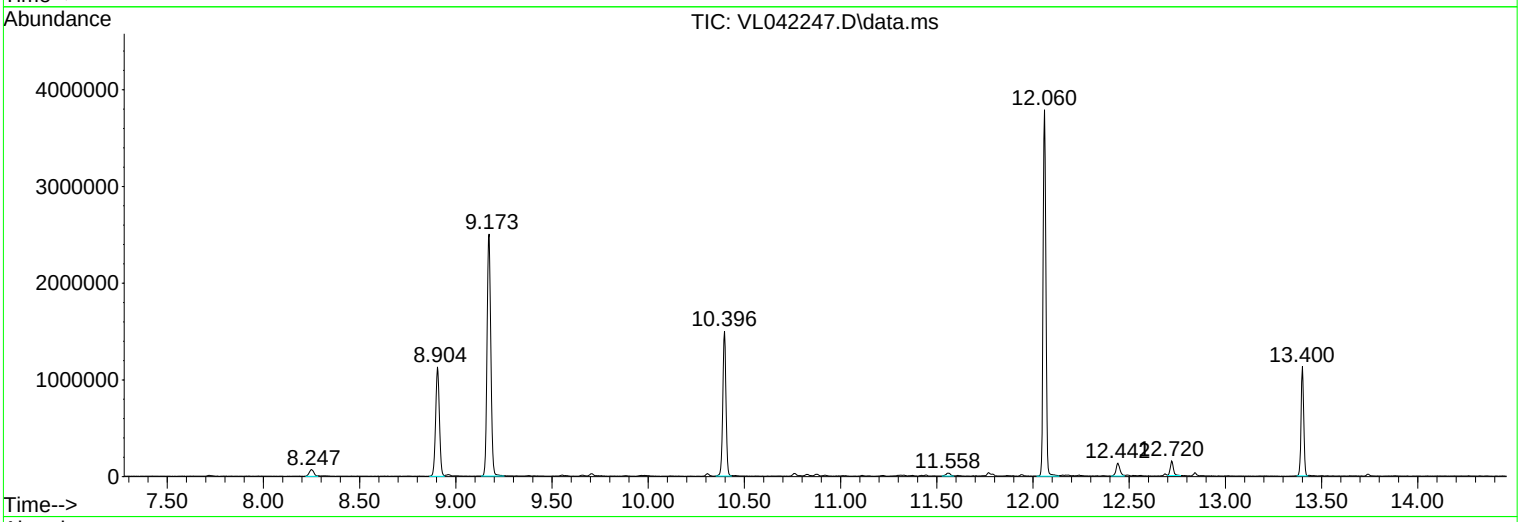
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

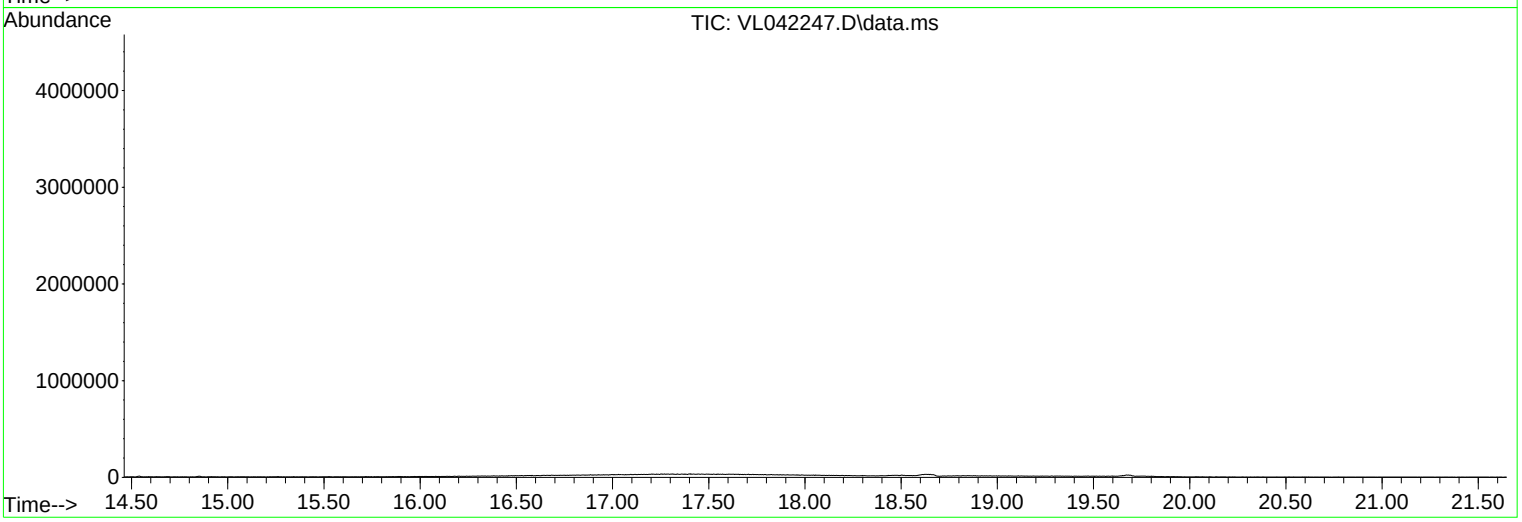
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

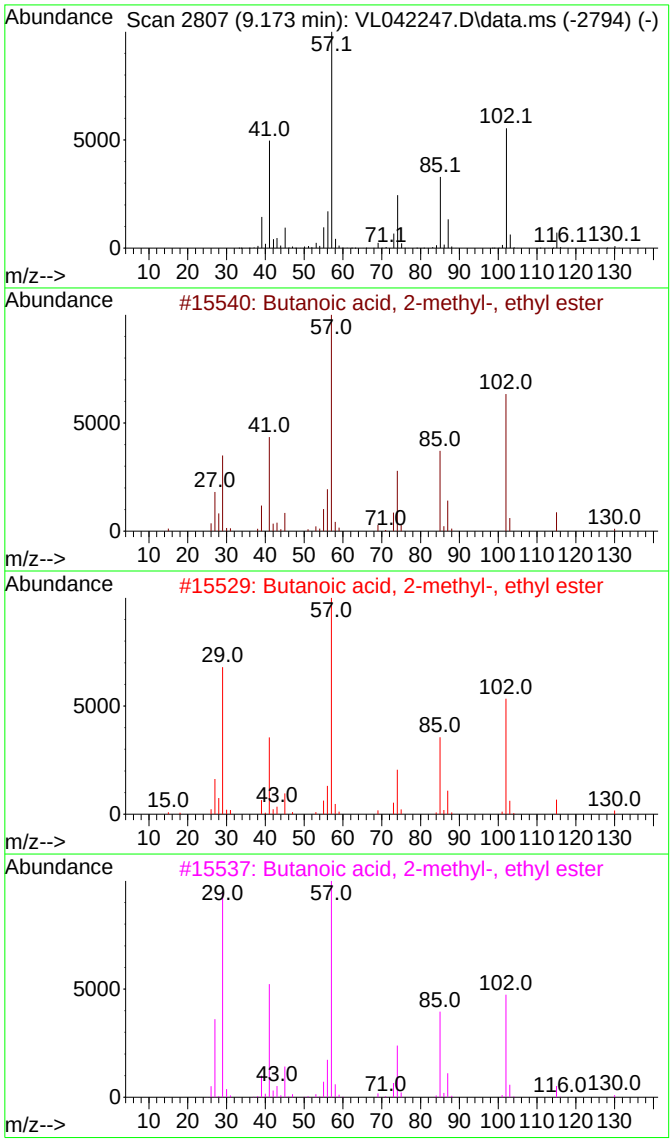
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

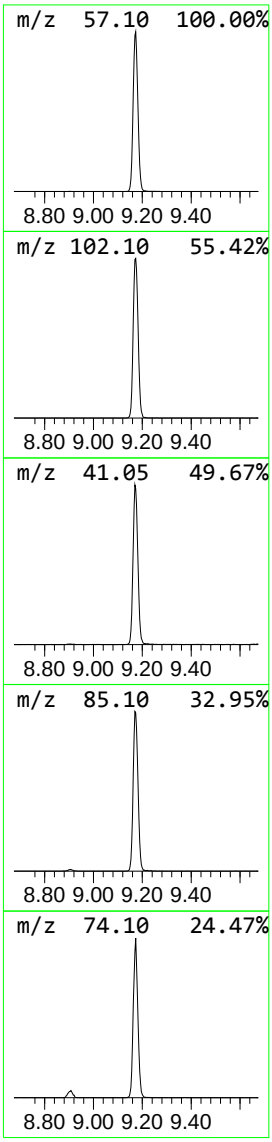
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Butanoic acid, 2-methyl-, e... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.173	22.05 ppbv	3429930	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	93
2	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	91
3	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	90
4	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	83
5	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

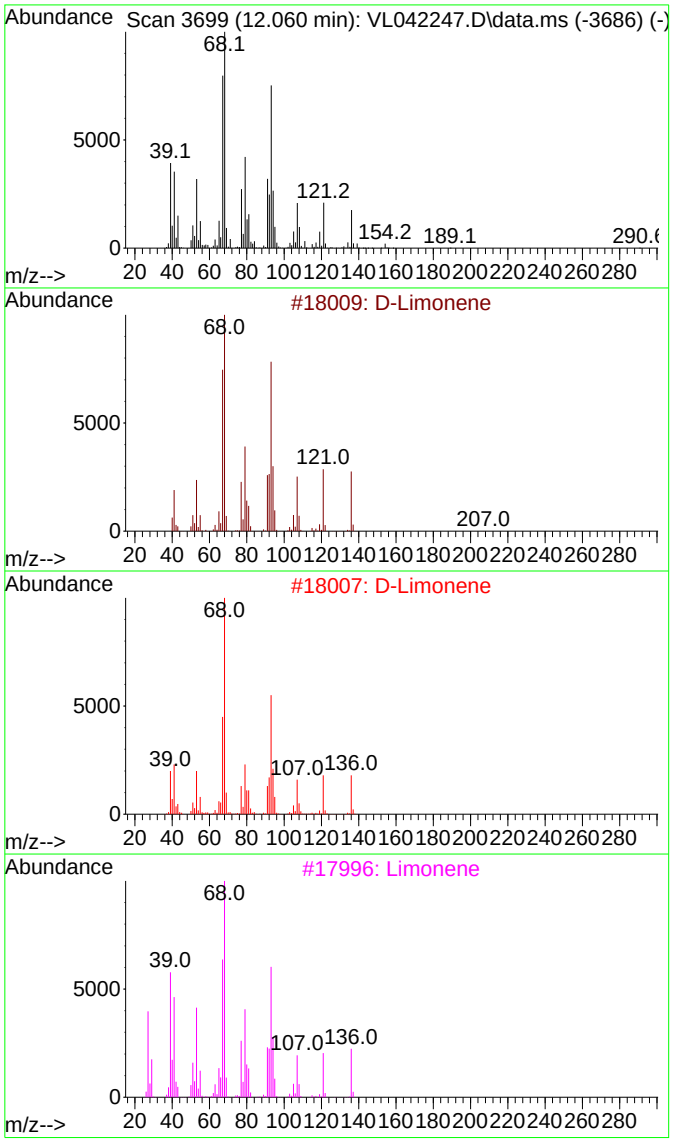
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

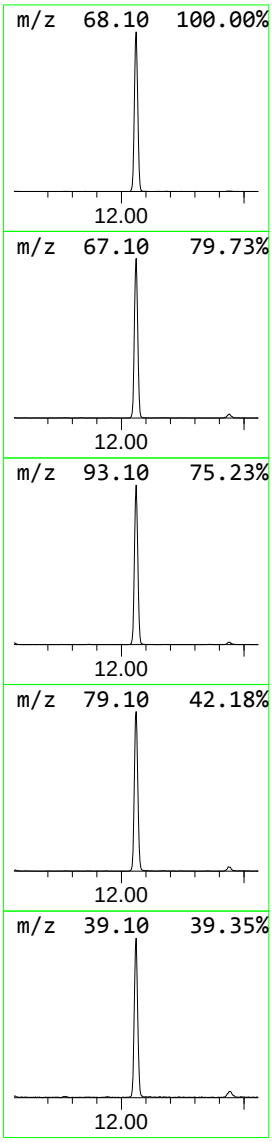
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 D-Limonene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	24.72 ppbv	3845360	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	D-Limonene	136	C10H16	005989-27-5	94
3	Limonene	136	C10H16	000138-86-3	94
4	D-Limonene	136	C10H16	005989-27-5	93
5	D-Limonene	136	C10H16	005989-27-5	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

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

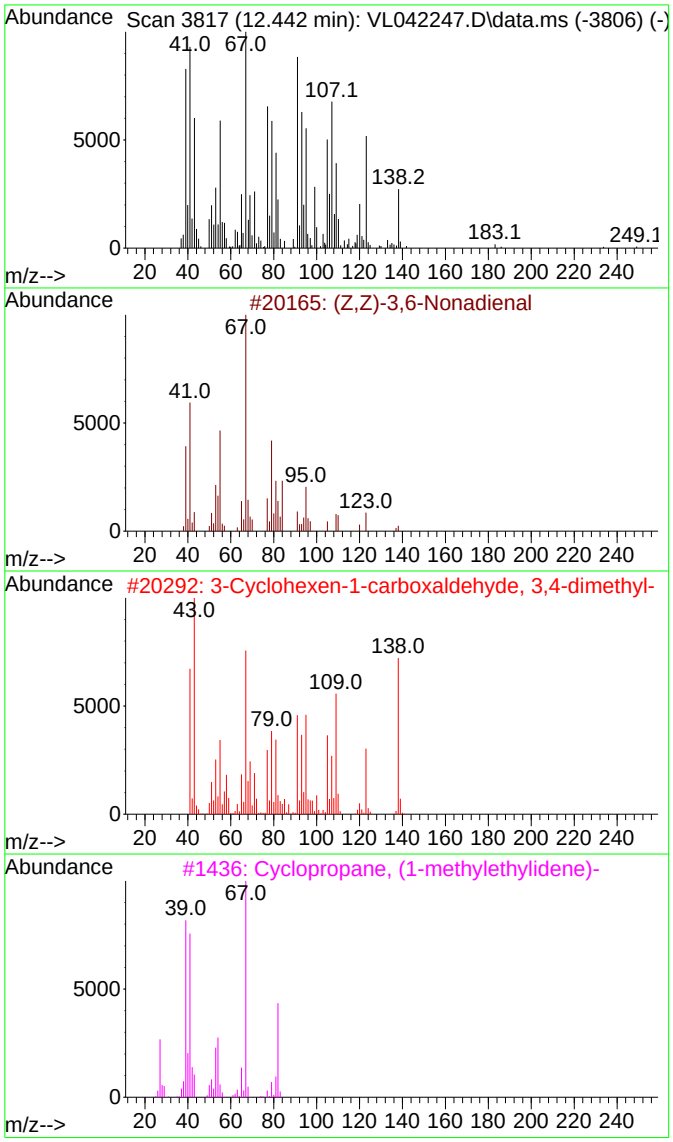
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

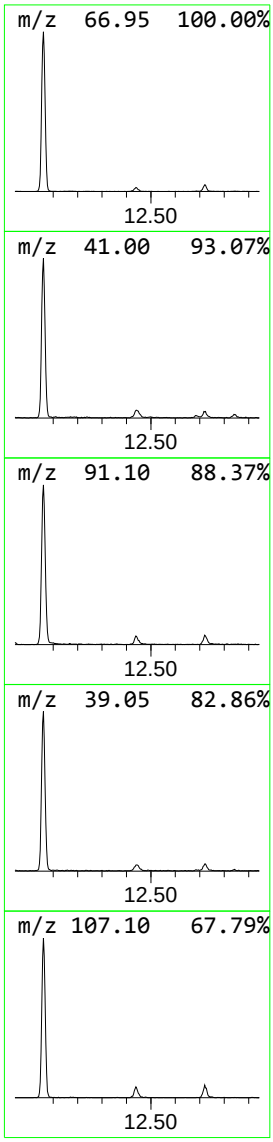
****

Peak Number 5 (Z,Z)-3,6-Nonadienal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.442	1.24 ppbv	193331	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z,Z)-3,6-Nonadienal	138	C9H14O	021944-83-2	80
2	3-Cyclohexen-1-carboxaldehyde, 3...	138	C9H14O	1000131-99-4	55
3	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	53
4	2,4-Dimethylcyclohex-3-ene-1-car...	138	C9H14O	068039-49-6	49
5	4-Methyl-2-pentyne	82	C6H10	021020-27-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

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

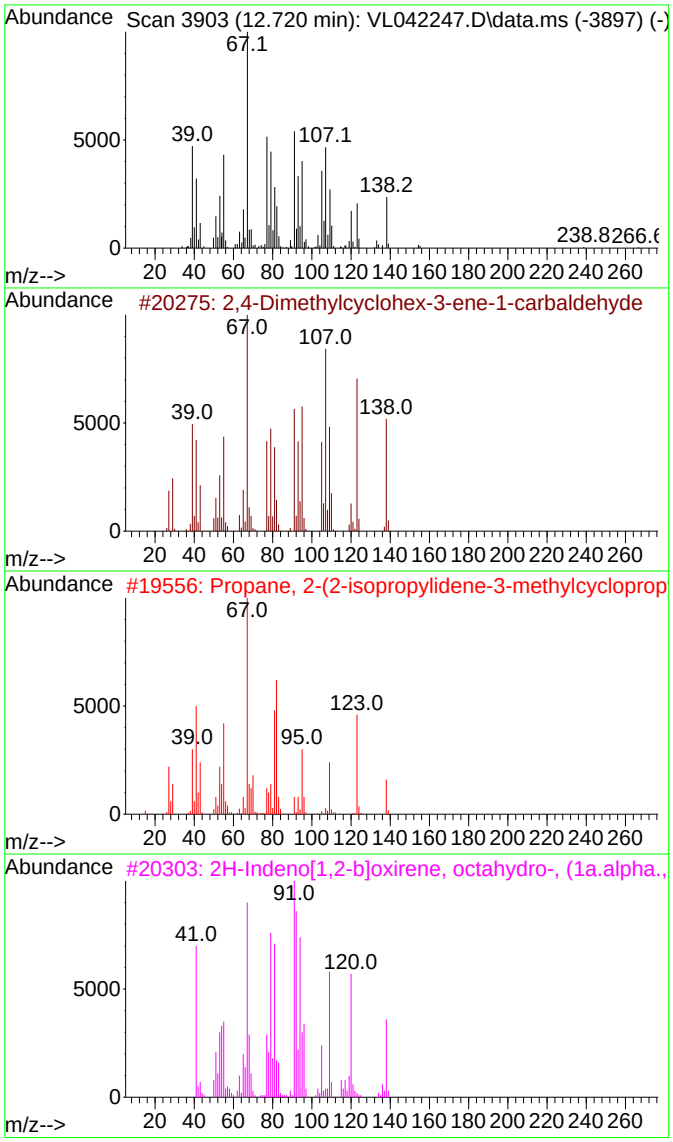
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

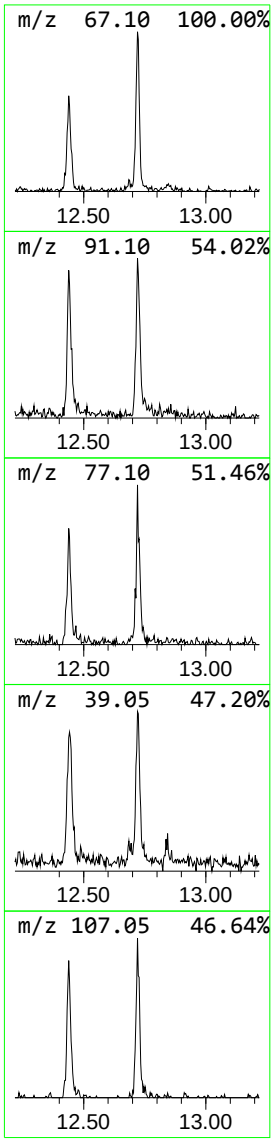
****

Peak Number 6 unknown12.720 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.720	1.05 ppbv	163894	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylcyclohex-3-ene-1-car...	138	C9H14O	068039-49-6	46
2	Propane, 2-(2-isopropylidene-3-m...	138	C10H18	024524-51-4	46
3	2H-Indeno[1,2-b]oxirene, octahyd...	138	C9H14O	055402-31-8	38
4	3-Octyne	110	C8H14	015232-76-5	30
5	1,3-Hexadiene, 3-ethyl-2,5-dimet...	138	C10H18	062338-07-2	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

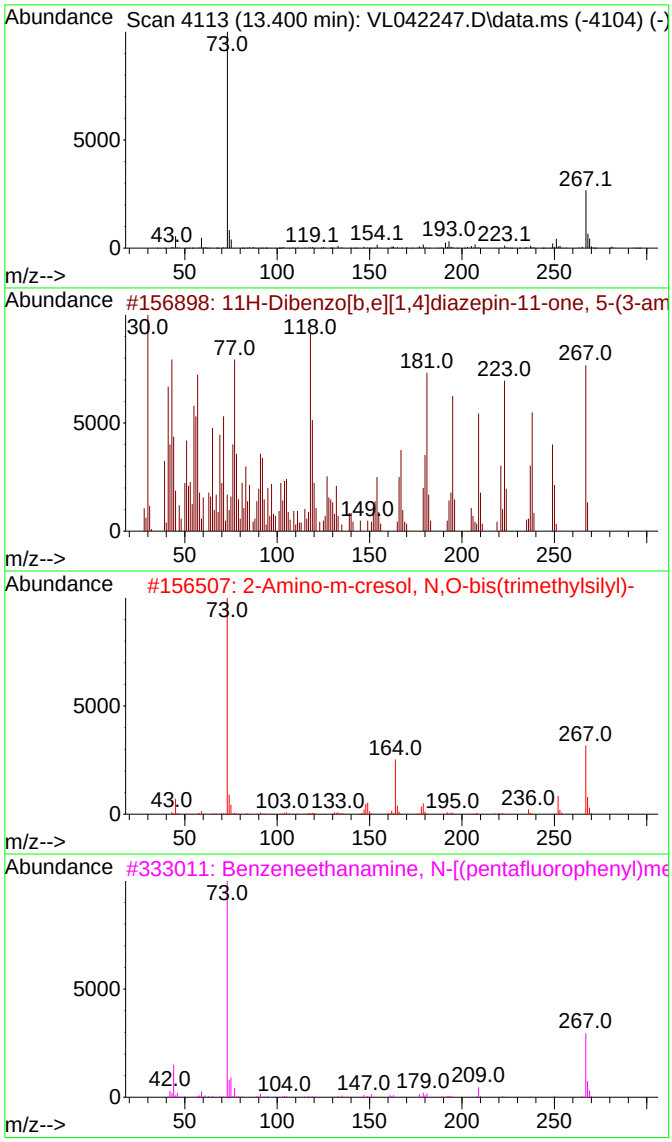
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

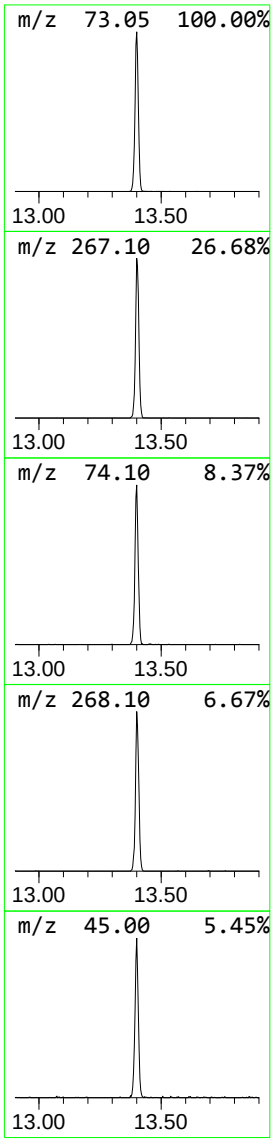
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.400	6.88 ppbv	1071020	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	94
2	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	59
3	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	50
4	2-[(Trimethylsilyl)oxy]-2-{4-[(t...	297	C14H27NO2Si2	1000473-27-9	40
5	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butanoic acid, ...	9.173	22.1	ppbv	3429930	3	8.904	1555840	10.0
D-Limonene	12.060	24.7	ppbv	3845360	3	8.904	1555840	10.0
(Z,Z)-3,6-Nonad...	12.442	1.2	ppbv	193331	3	8.904	1555840	10.0
unknown12.720	12.720	1.1	ppbv	163894	3	8.904	1555840	10.0
11H-Dibenzo[b,e...	13.400	6.9	ppbv	1071020	3	8.904	1555840	10.0

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-3-03312025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-06DL	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
VL042248.D	40		04/08/25 00:12	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	8.40	41.5	UD	41.5	98.9	ug/m3
74-87-3	Chloromethane	3.90	8.05	UD	8.05	41.3	ug/m3
75-01-4	Vinyl Chloride	0.56	1.43	UD	1.43	3.07	ug/m3
74-83-9	Bromomethane	5.60	21.7	UD	21.7	77.7	ug/m3
75-00-3	Chloroethane	6.80	17.9	UD	17.9	52.8	ug/m3
109-99-9	Tetrahydrofuran	5.20	15.3	UD	15.3	59.0	ug/m3
75-69-4	Trichlorofluoromethane	6.40	36.0	UD	36.0	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	6.40	49.0	UD	49.0	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	3.50	24.5	UD	24.5	140	ug/m3
75-65-0	tert-Butyl alcohol	7.60	23.0	UD	23.0	60.6	ug/m3
142-82-5	Heptane	4.40	18.0	UD	18.0	82.0	ug/m3
75-35-4	1,1-Dichloroethene	5.60	22.2	UD	22.2	79.3	ug/m3
67-64-1	Acetone	160	380	D	22.8	47.5	ug/m3
75-15-0	Carbon Disulfide	6.40	19.9	UD	19.9	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	4.80	17.3	UD	17.3	72.1	ug/m3
75-09-2	Methylene Chloride	13.2	45.9	JD	26.4	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	7.60	30.1	UD	30.1	79.3	ug/m3
75-34-3	1,1-Dichloroethane	5.20	21.1	UD	21.1	81.0	ug/m3
110-82-7	Cyclohexane	8.80	30.3	UD	30.3	68.8	ug/m3
78-93-3	2-Butanone	16.7	49.3	JD	14.2	59.0	ug/m3
56-23-5	Carbon Tetrachloride	0.44	2.77	UD	2.77	7.55	ug/m3
156-59-2	cis-1,2-Dichloroethene	3.60	14.3	UD	14.3	79.3	ug/m3
67-66-3	Chloroform	3.30	16.1	UD	16.1	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	0.38	2.07	UD	2.07	6.55	ug/m3
540-84-1	2,2,4-Trimethylpentane	4.00	18.7	UD	18.7	93.4	ug/m3
71-43-2	Benzene	3.50	11.2	UD	11.2	63.9	ug/m3
107-06-2	1,2-Dichloroethane	3.60	14.6	UD	14.6	81.0	ug/m3
79-01-6	Trichloroethene	0.68	3.65	UD	3.65	6.45	ug/m3
78-87-5	1,2-Dichloropropane	4.40	20.3	UD	20.3	92.4	ug/m3
75-27-4	Bromodichloromethane	3.10	20.8	UD	20.8	134	ug/m3
108-10-1	4-Methyl-2-Pentanone	3.70	15.2	UD	15.2	82.0	ug/m3
108-88-3	Toluene	4.40	16.6	UD	16.6	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	2.40	10.9	UD	10.9	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	2.60	11.8	UD	11.8	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	2.80	15.3	UD	15.3	109	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-3-03312025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-06DL	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
VL042248.D	40		04/08/25 00:12	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	2.60	22.1	UD	22.1	170	ug/m3
106-93-4	1,2-Dibromoethane	2.90	22.3	UD	22.3	30.7	ug/m3
127-18-4	Tetrachloroethene	2.50	16.9	D	4.07	8.14	ug/m3
108-90-7	Chlorobenzene	3.00	13.8	UD	13.8	92.1	ug/m3
100-41-4	Ethyl Benzene	4.80	20.9	UD	20.9	86.9	ug/m3
179601-23-1	m/p-Xylene	8.40	36.5	UD	36.5	174	ug/m3
95-47-6	o-Xylene	4.80	20.9	UD	20.9	86.9	ug/m3
100-42-5	Styrene	4.40	18.7	UD	18.7	85.2	ug/m3
75-25-2	Bromoform	2.30	23.8	UD	23.8	207	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.44	3.02	UD	3.02	8.24	ug/m3
95-49-8	2-Chlorotoluene	4.40	22.8	UD	22.8	104	ug/m3
108-67-8	1,3,5-Trimethylbenzene	4.40	21.6	UD	21.6	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	3.10	15.2	UD	15.2	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	3.20	19.2	UD	19.2	120	ug/m3
106-46-7	1,4-Dichlorobenzene	2.10	12.6	UD	12.6	120	ug/m3
95-50-1	1,2-Dichlorobenzene	3.00	18.0	UD	18.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	3.40	25.2	UD	25.2	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	3.40	36.3	UD	36.3	213	ug/m3
106-99-0	1,3-Butadiene	5.20	11.5	UD	11.5	44.3	ug/m3
91-20-3	Naphthalene	3.00	15.7	UD	15.7	21.0	ug/m3
622-96-8	4-Ethyltoluene	4.80	23.6	UD	23.6	98.3	ug/m3
110-54-3	Hexane	4.40	15.5	UD	15.5	70.5	ug/m3
107-05-1	Allyl Chloride	6.00	18.8	UD	18.8	62.6	ug/m3
123-91-1	1,4-Dioxane	8.40	30.3	UD	30.3	72.1	ug/m3
80-62-6	Methyl Methacrylate	3.40	13.9	UD	13.9	81.9	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.40			70 (65) - 130 (135)	94%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	194000		2.803			
540-36-3	1,4-Difluorobenzene	494000		3.984			
3114-55-4	Chlorobenzene-d5	431000		8.904			

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-3-03312025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-06DL	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
VL042248.D	40		04/08/25 00:12	VL040725

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\VL040725\
Data File : VL042248.D
Acq On : 08 Apr 2025 00:12
Operator : SY/MD
Sample : Q1725-06DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 01:38:49 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 :
SSSG-B10-3-03312025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	194329	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.984	114	493793	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	430982	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	333104	9.412	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.100%			
Target Compounds						Qvalue
13) Ethanol	1.728	45	126102	99.289	ppbv	83
15) Acetone	1.845	43	110494	4.066	ppbv	96
19) Isopropyl Alcohol	1.897	45	223285	14.561	ppbv #	32
20) Methylene Chloride	2.075	84	3332	0.329	ppbv	95
34) 2-Butanone	2.576	43	14984	0.418	ppbv	97
52) Tetrachloroethene	8.254	164	1214m	0.063	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042248.D
Acq On : 08 Apr 2025 00:12
Operator : SY/MD
Sample : Q1725-06DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 01:38:49 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 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Manual Integrations
APPROVED

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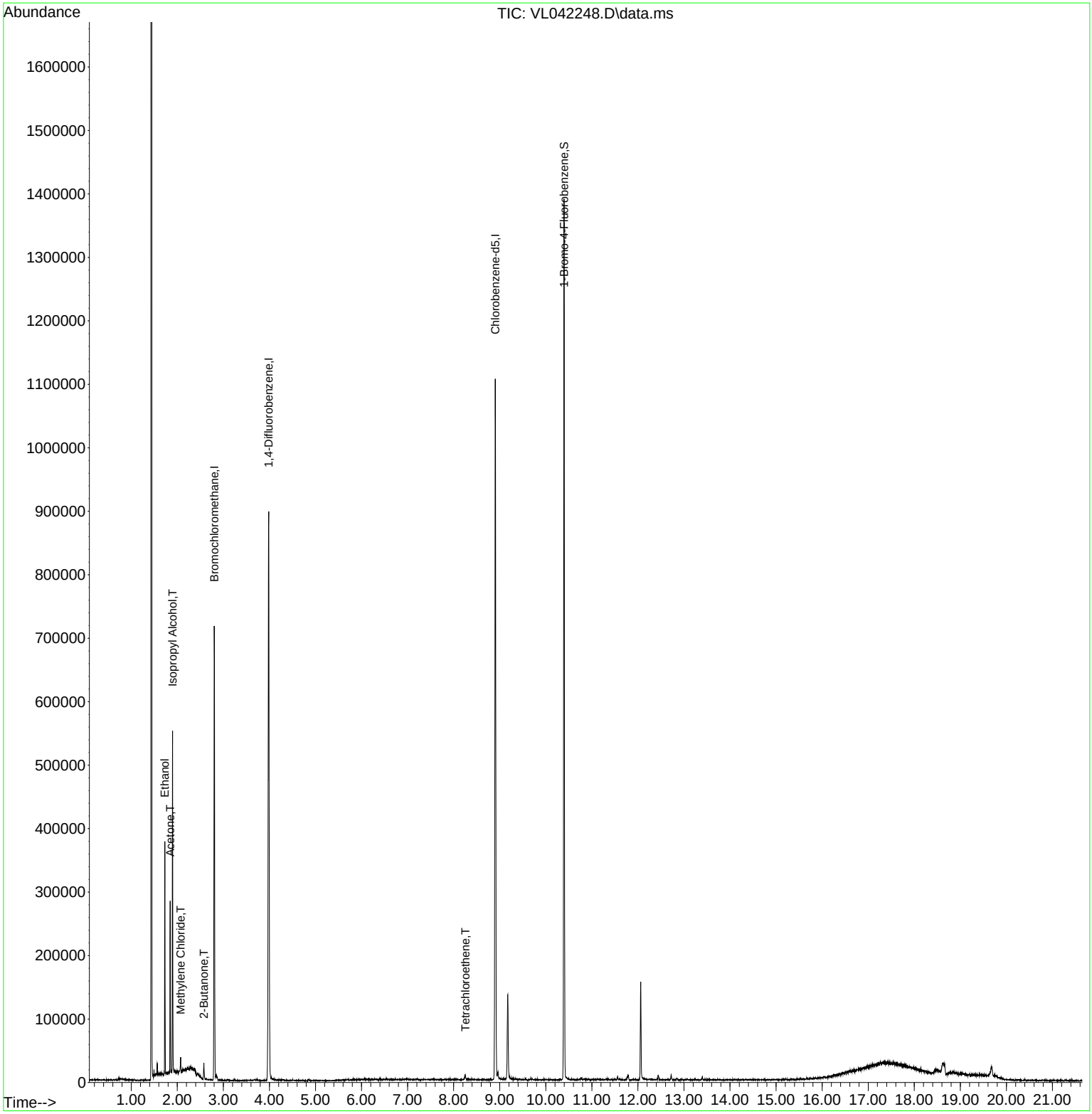
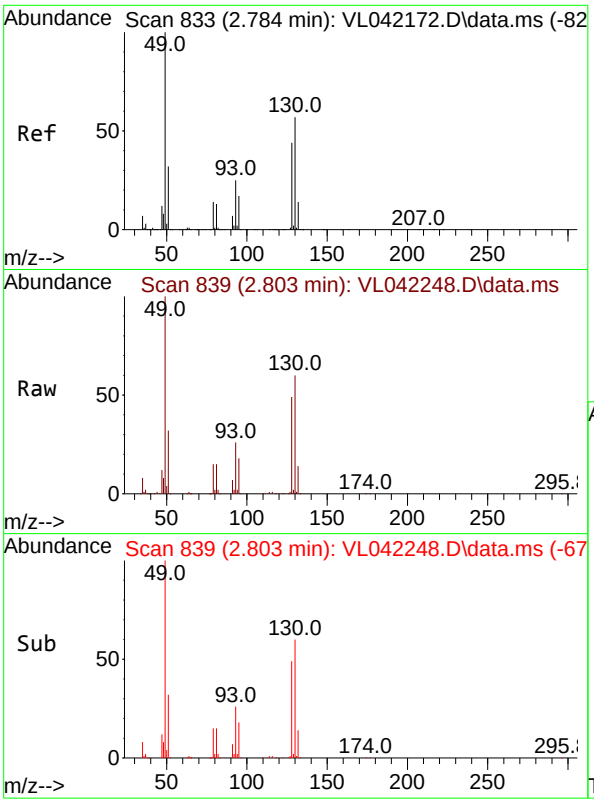
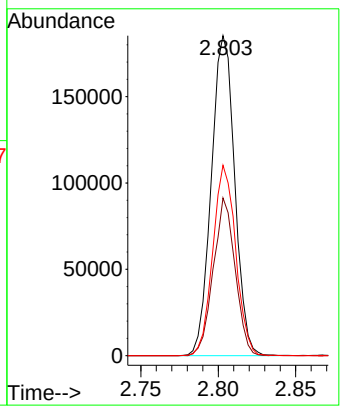




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 49 Resp: 19432

Ion	Ratio	Lower	Upper
49	100		
128	46.0	22.9	68.5
130	58.3	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Manual Integrations
APPROVED

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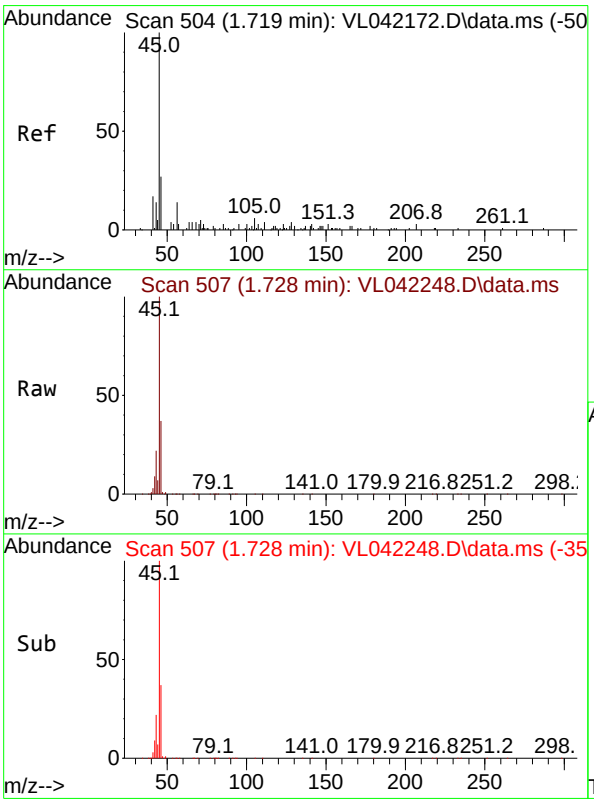
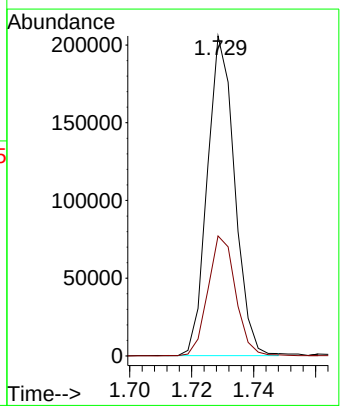
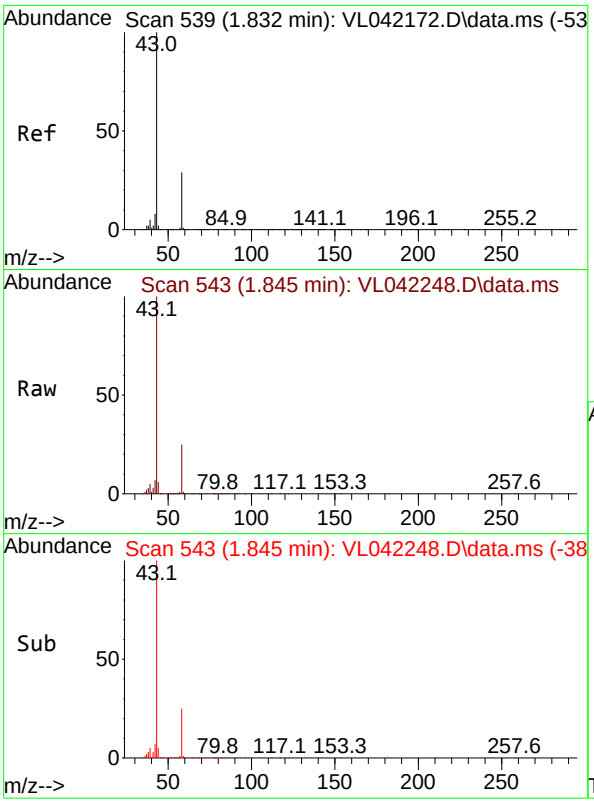


#13
Ethanol
Concen: 99.289 ppbv
RT: 1.728 min Scan# 507
Delta R.T. 0.009 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 45 Resp: 126102

Ion	Ratio	Lower	Upper
45	100		
46	38.8	20.2	80.8





#15
Acetone
Concen: 4.066 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 43 Resp: 110494

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.2	34.8

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Manual Integrations
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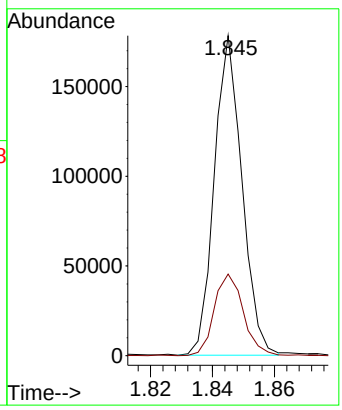
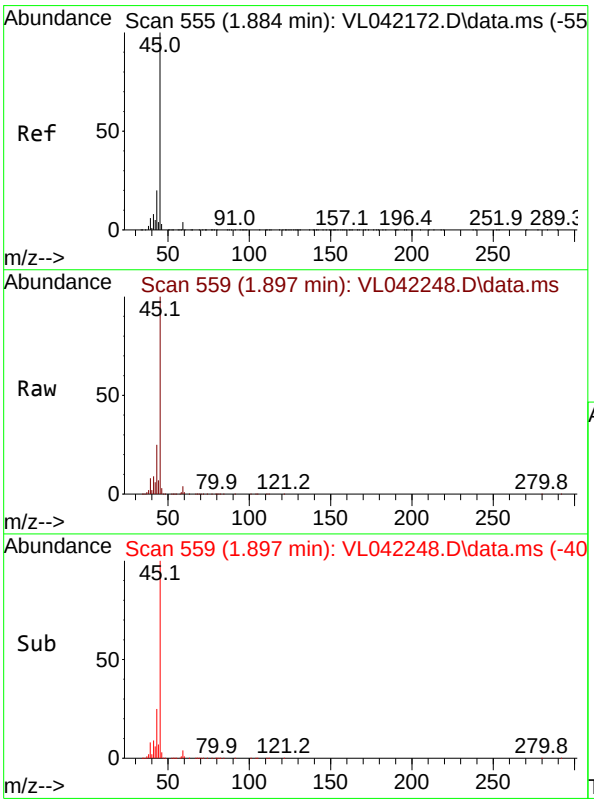
Supervised By :Mahesh Dadoda 04/14/2025

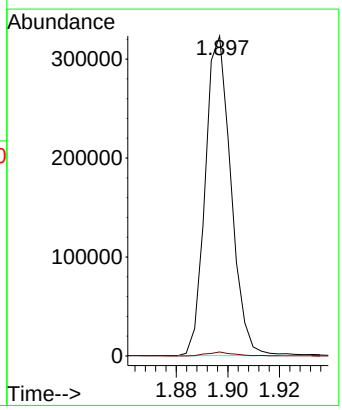


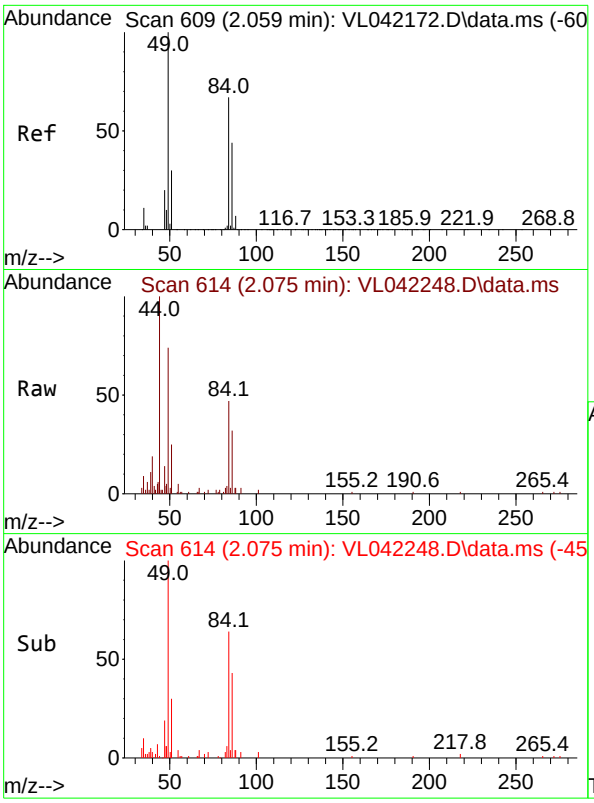


#19
Isopropyl Alcohol
Concen: 14.561 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 45 Resp: 223285

Ion	Ratio	Lower	Upper
45	100		
58	1.4	36.9	55.3#

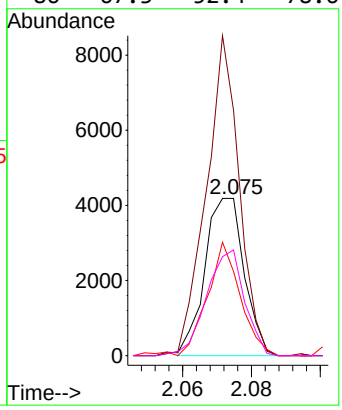




#20
Methylene Chloride
Concen: 0.329 ppbv
RT: 2.075 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 84 Resp: 333

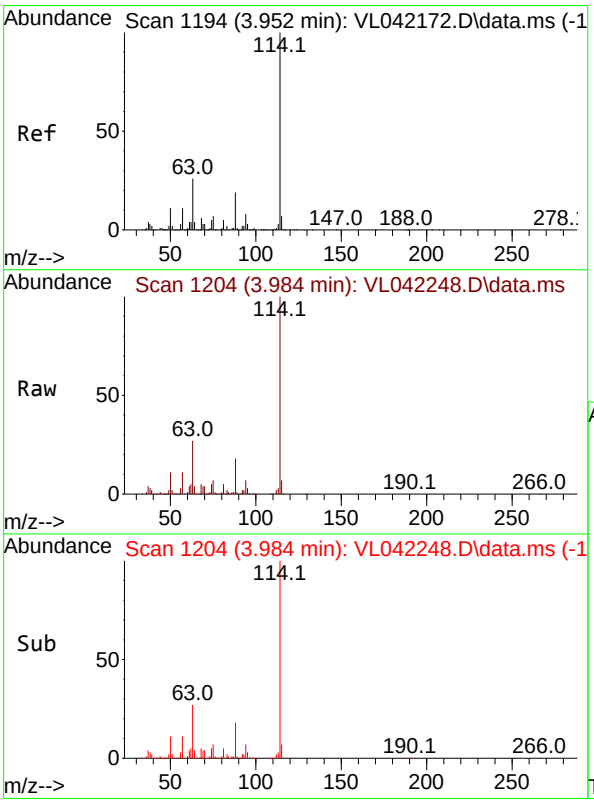
Ion	Ratio	Lower	Upper
84	100		
49	155.9	120.2	180.4
51	53.5	37.4	56.0
86	67.3	52.4	78.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Manual Integrations
APPROVED

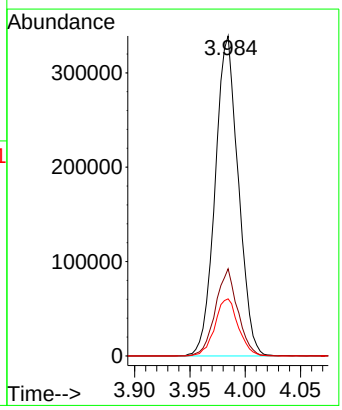
Reviewed By :Semsettin Yesilyurt 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025

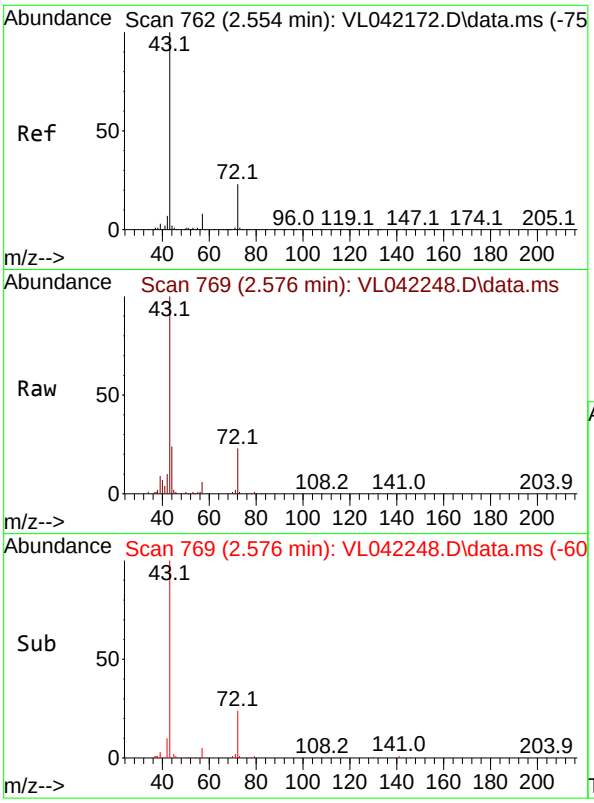


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion:114 Resp: 493793

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	18.0	15.0	22.4





#34
2-Butanone
Concen: 0.418 ppbv
RT: 2.576 min Scan# 7
Delta R.T. 0.022 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 43 Resp: 1498

Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.2	27.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Manual Integrations
APPROVED

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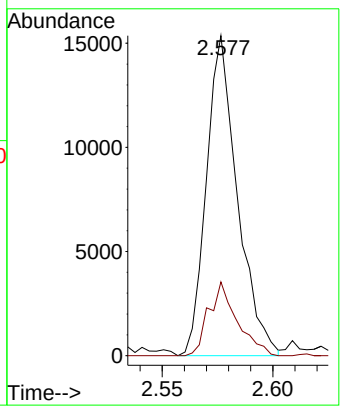
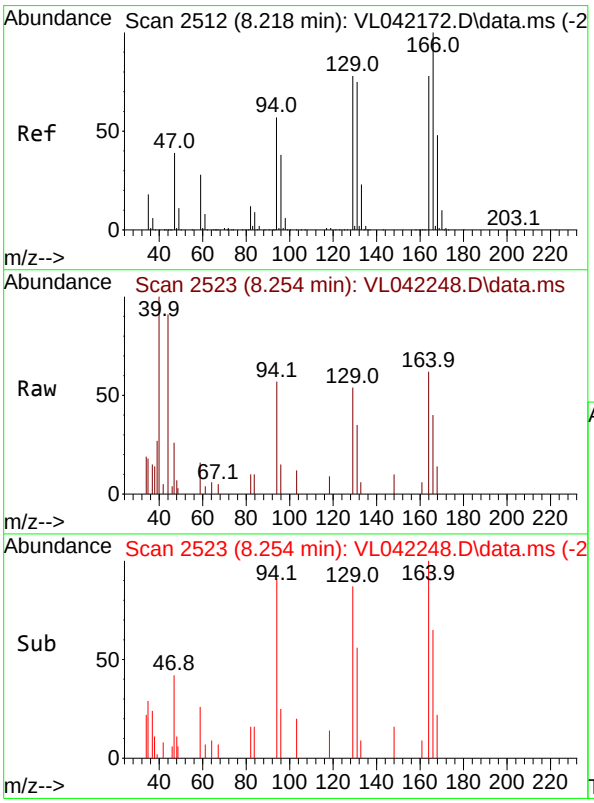
Supervised By :Mahesh Dadoda 04/14/2025

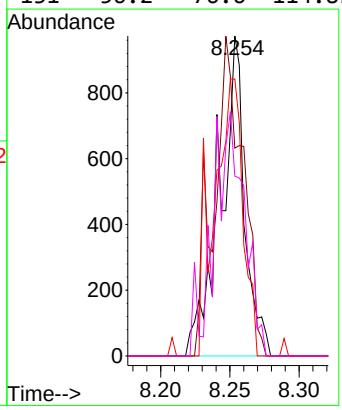


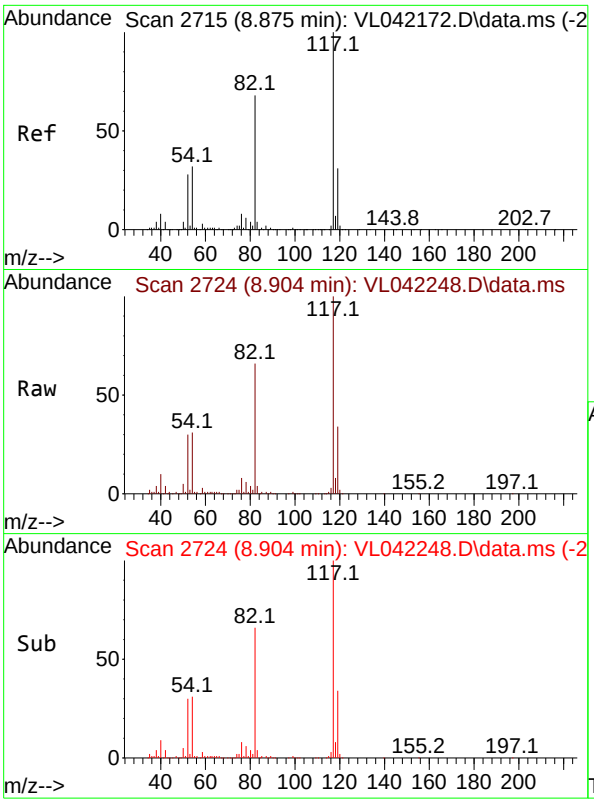


#52
Tetrachloroethene
Concen: 0.063 ppbv m
RT: 8.254 min Scan# 2523
Delta R.T. 0.035 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion:164 Resp: 1214

Ion	Ratio	Lower	Upper
164	100		
166	65.0	102.5	153.7#
129	86.5	79.8	119.8
131	56.2	76.6	114.8#

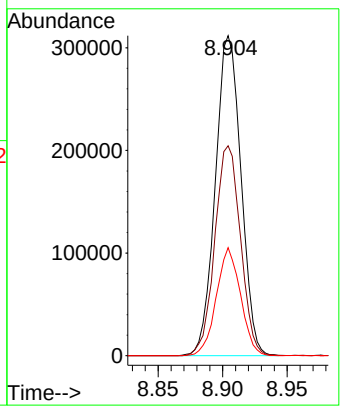




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion:117 Resp: 43098

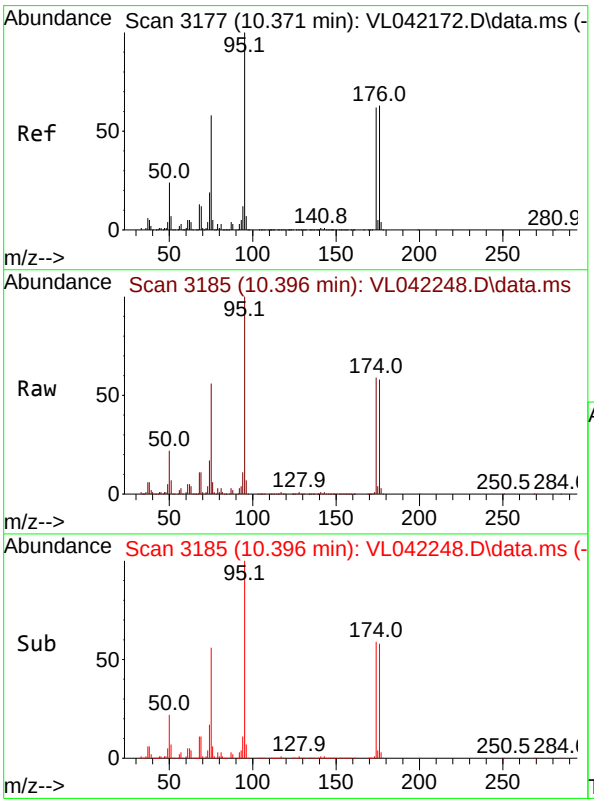
Ion	Ratio	Lower	Upper
117	100		
82	65.8	55.8	83.6
119	31.8	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Manual Integrations
APPROVED

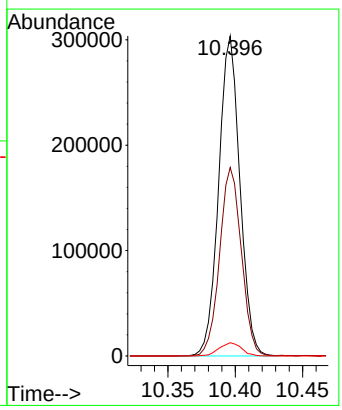
Reviewed By :Semsettin Yesilyurt 04/14/2025
Supervised By :Mahesh Dadoda 04/14/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.412 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 95 Resp: 333104

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.3	3.8	5.6



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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-1-03312025-SPLIT	SDG No.:	Q1725
Lab Sample ID:	Q1725-07	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
VL042249.D	1		04/08/25 00:46	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.36	1.78	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.24	1.35	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.80	2.43		0.58	1.52	ug/m3
142-82-5	Heptane	0.61	2.50		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	28.2	67.0	E	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	1.10	3.82		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	1.50	4.42		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.090	0.57		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	2.40	11.7		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.030	0.16		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.29	1.35	J	0.47	2.34	ug/m3
71-43-2	Benzene	0.49	1.57	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.26	1.40		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	4.30	16.2		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-1-03312025-SPLIT	SDG No.:	Q1725
Lab Sample ID:	Q1725-07	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
VL042249.D	1		04/08/25 00:46	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.75	5.09		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.87	3.78		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	4.30	18.7		0.91	4.34	ug/m3
95-47-6	o-Xylene	1.80	7.82		0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	J	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	1.70	8.36		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.16	0.96	J	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	1.00	3.52		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			70 (65) - 130 (135)	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	198000		2.807			
540-36-3	1,4-Difluorobenzene	507000		3.988			
3114-55-4	Chlorobenzene-d5	466000		8.908			
TENTITIVE IDENTIFIED COMPOUNDS							
75-45-6	Chlorodifluoromethane	0.13		J		1.49	ppbv
115-07-1	Propene	1.40		J		1.50	ppbv
000115-11-7	1-Propene, 2-methyl-	2.70		J		1.61	ppbv

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-1-03312025-SPLIT	SDG No.:	Q1725
Lab Sample ID:	Q1725-07	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
VL042249.D	1		04/08/25 00:46	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
64-17-5	Ethanol	180		J		1.73	ppbv
67-63-0	Isopropyl Alcohol	17.4		J		1.90	ppbv
000107-83-5	Pentane, 2-methyl-	1.60		J		2.49	ppbv
003769-23-1	1-Hexene, 4-methyl-	1.30		J		2.65	ppbv
000589-34-4	Hexane, 3-methyl-	1.20		J		4.30	ppbv
103-65-1	n-propylbenzene	0.23		J		11.0	ppbv
000611-14-3	Benzene, 1-ethyl-2-methyl-	1.40		J		11.1	ppbv
017312-82-2	Undecane, 4,6-dimethyl-	1.70		J		12.2	ppbv
000124-19-6	Nonanal	2.80		J		12.7	ppbv

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\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 01:39:12 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 :
SSSG-B10-1-03312025-SPLIT

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

04/08/2025
Supervised By :Mahesh Dadoda

04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.807	49	197758	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.988	114	506596	10.000	ppbv		0.04
55) Chlorobenzene-d5	8.908	117	465539	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.400	95	381596	9.981	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	10548	0.361	ppbv		90
3) Chlorodifluoromethane	1.486	51	3867m	0.130	ppbv		
9) Propene	1.496	41	19346m	1.415	ppbv		
10) Heptane	5.024	43	22305	0.613	ppbv	#	84
11) Trichlorofluoromethane	1.891	101	6666	0.235	ppbv		97
13) Ethanol	1.732	45	236496	182.981	ppbv		83
15) Acetone	1.845	43	779996	28.202	ppbv		96
17) tert-Butyl alcohol	2.056	59	27696m	0.804	ppbv		
19) Isopropyl Alcohol	1.900	45	271152	17.376	ppbv	#	52
20) Methylene Chloride	2.075	84	11817	1.147	ppbv		93
26) Hexane	2.849	57	27836	1.004	ppbv	#	39
29) Chloroform	2.871	83	95587	2.356	ppbv		94
32) 1,1,1-Trichloroethane	3.386	97	1528m	0.033	ppbv		
34) 2-Butanone	2.577	43	55098	1.500	ppbv		100
35) Carbon Tetrachloride	3.790	117	3565m	0.090	ppbv		
36) Benzene	3.680	78	24686	0.492	ppbv	#	90
38) Trichloroethene	4.583	130	5516m	0.263	ppbv		
44) 2,2,4-Trimethylpentane	4.677	57	24653m	0.290	ppbv		
52) Tetrachloroethene	8.251	164	14870m	0.747	ppbv		
53) Toluene	6.972	91	258006	4.334	ppbv		100
58) Ethyl Benzene	9.383	91	72131	0.872	ppbv		96
59) m/p-Xylene	9.558	91	284370	4.307	ppbv		100
60) o-Xylene	9.992	91	118466	1.790	ppbv		97
64) n-propylbenzene	11.011	120	5944	0.233	ppbv		96
73) 1,3,5-Trimethylbenzene	11.225	105	31326	0.435	ppbv		100
74) 1,2,4-Trimethylbenzene	11.558	105	144819	1.746	ppbv	#	65
75) 1,3-Dichlorobenzene	11.626	146	7305	0.161	ppbv		93

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 01:39:12 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 :
SSSG-B10-1-03312025-SPLIT

Manual Integrations APPROVED

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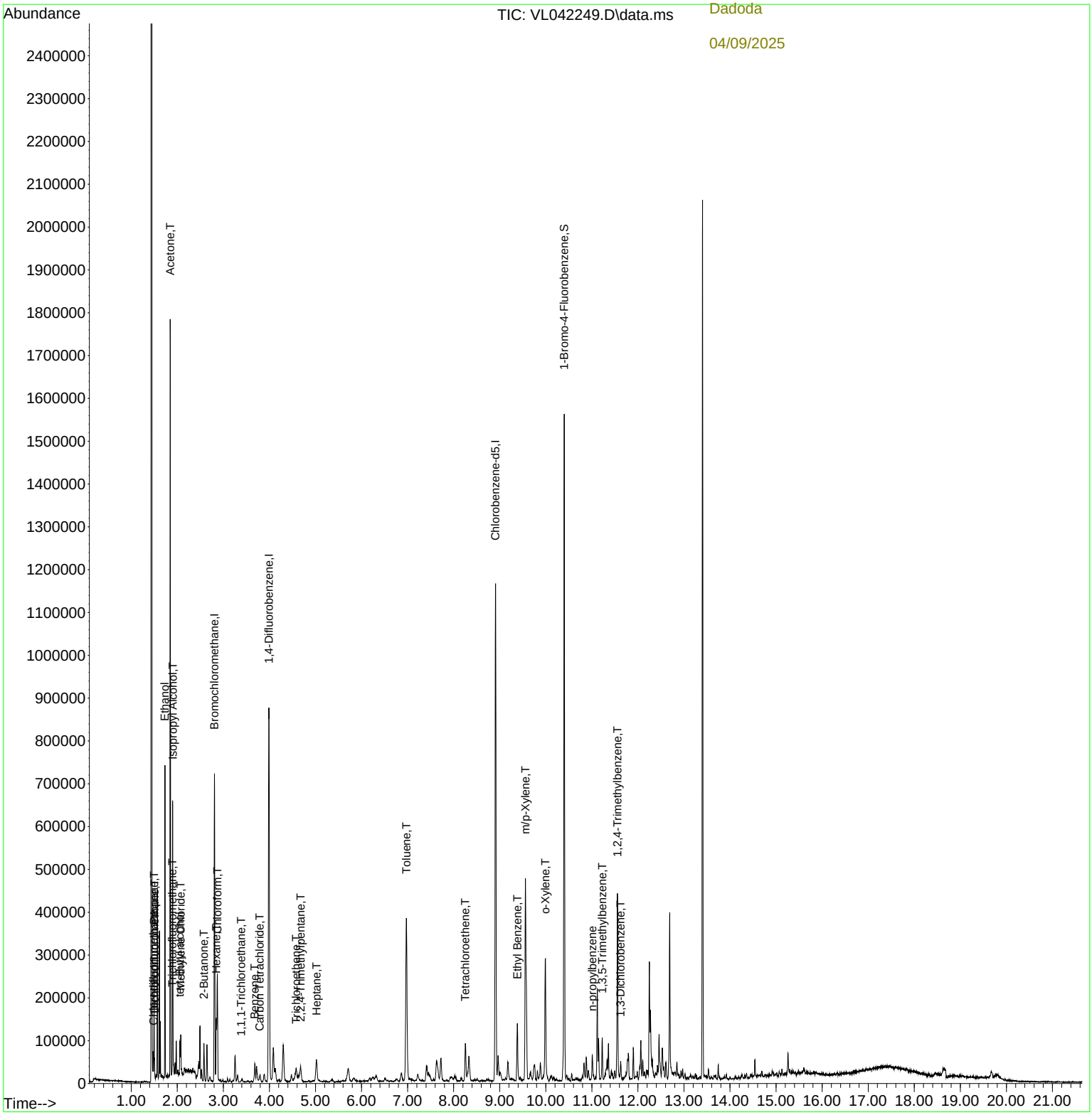
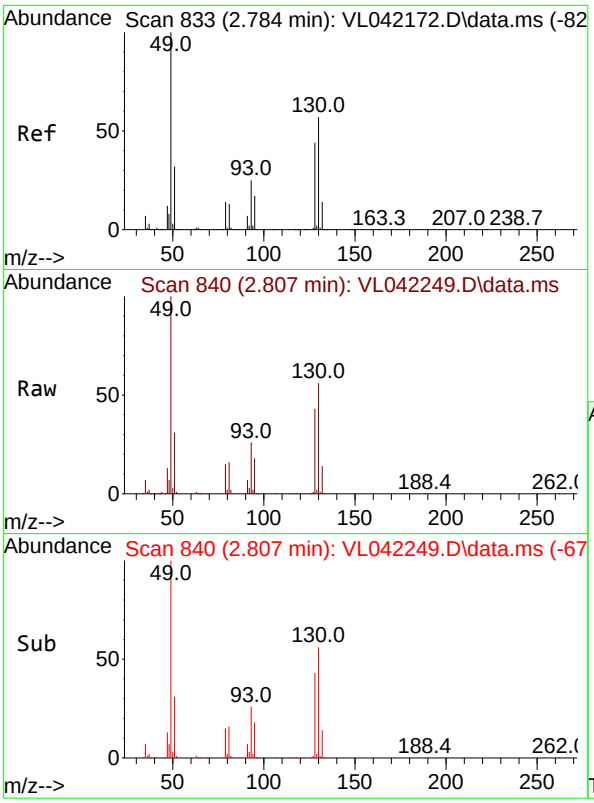
04/09/2025

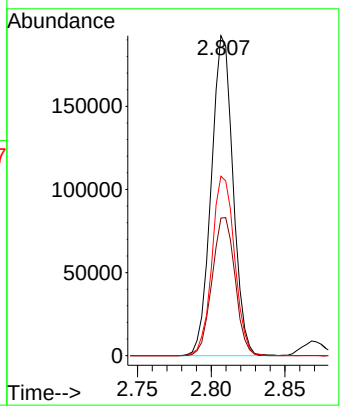




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.807 min Scan# 84
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 49 Resp: 19775

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.9	68.5
130	58.1	28.8	86.4



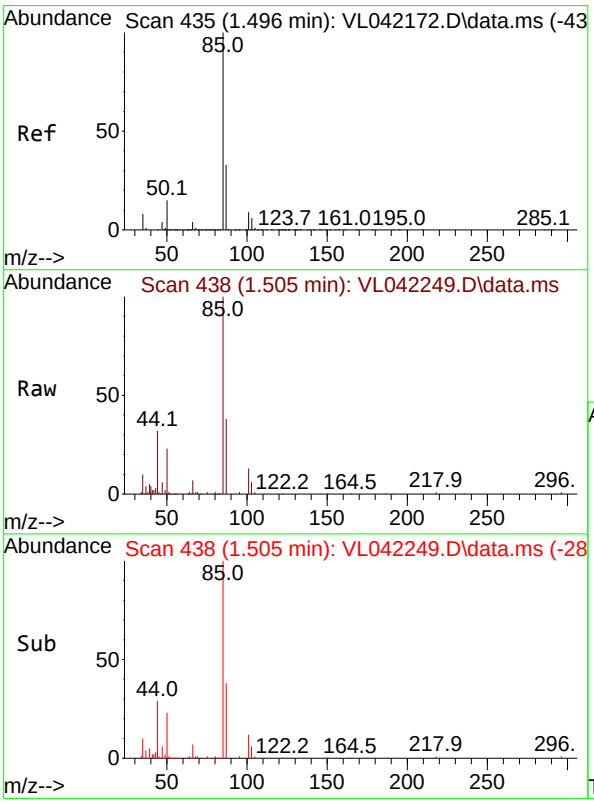
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt

04/08/2025
Supervised By :Mahesh Dadoda

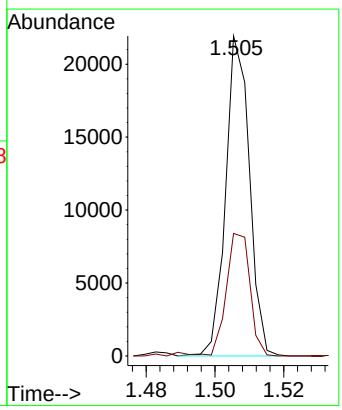
04/09/2025

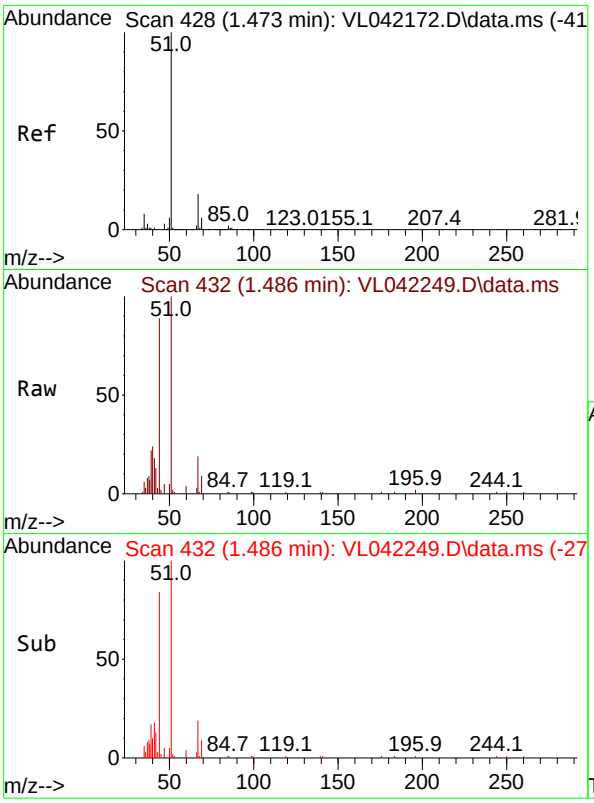


#2
Dichlorodifluoromethane
Concen: 0.361 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 85 Resp: 10548

Ion	Ratio	Lower	Upper
85	100		
87	38.3	26.1	39.1

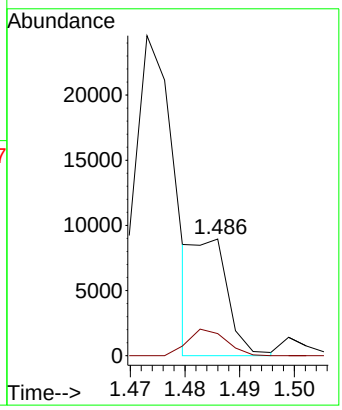




#3
Chlorodifluoromethane
Concen: 0.130 ppbv m
RT: 1.486 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 51 Resp: 386

Ion	Ratio	Lower	Upper
51	100		
67	25.8	15.0	22.6#



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt

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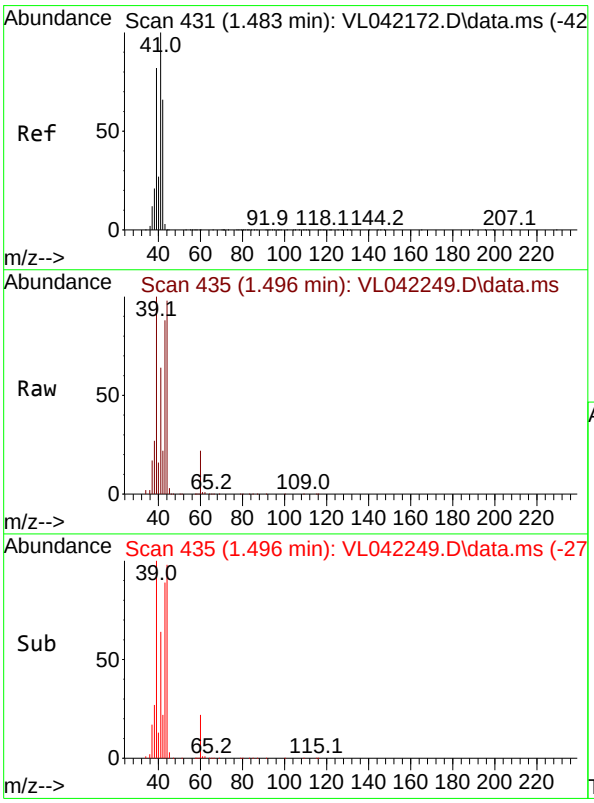
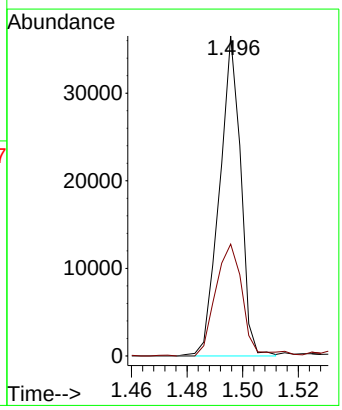
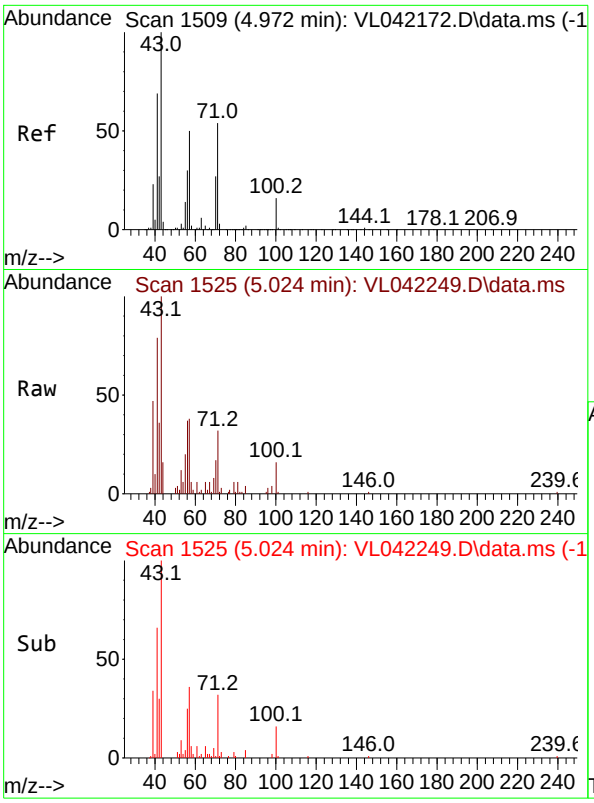


#9
Propene
Concen: 1.415 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 41 Resp: 19346

Ion	Ratio	Lower	Upper
41	100		
42	42.2	55.4	83.2#

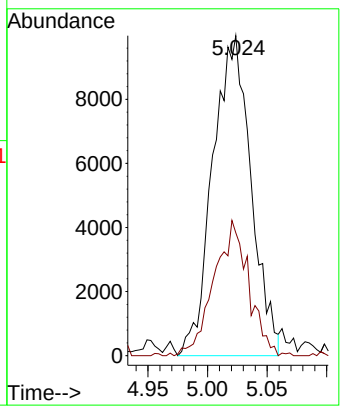




#10
Heptane
Concen: 0.613 ppbv
RT: 5.024 min Scan# 1
Delta R.T. 0.052 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 43 Resp: 2230

Ion	Ratio	Lower	Upper
43	100		
57	38.5	39.4	59.2



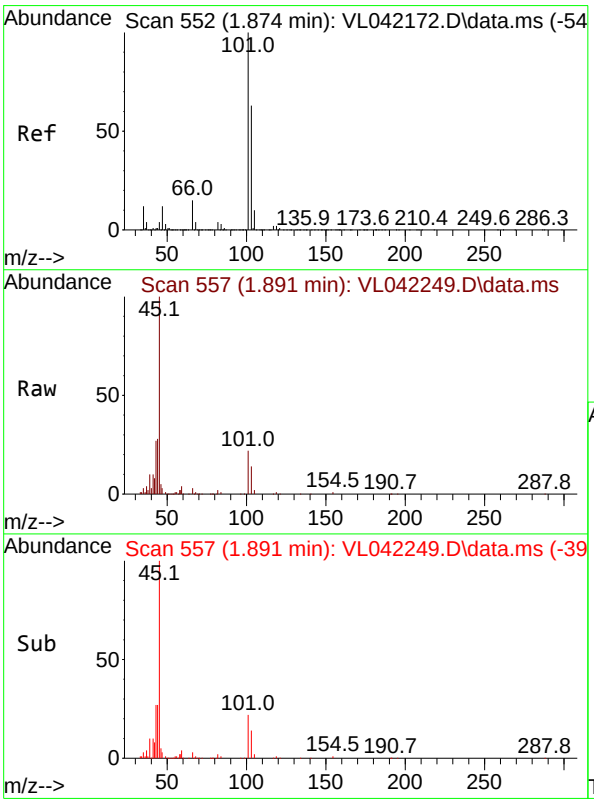
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

04/08/2025
Supervised By :Mahesh Dadoda

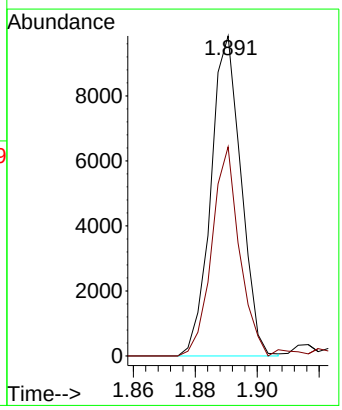
04/09/2025

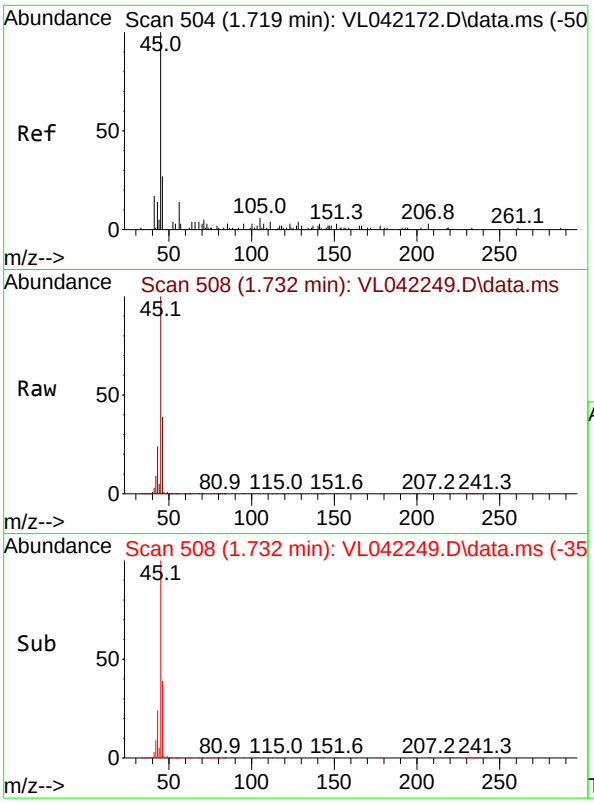


#11
Trichlorofluoromethane
Concen: 0.235 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:101 Resp: 6666

Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.2	75.2

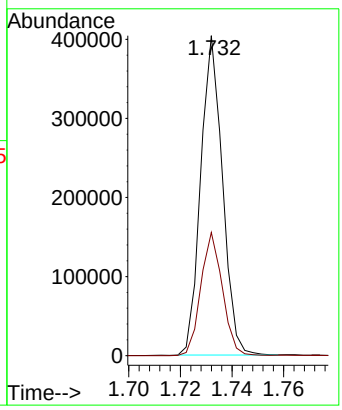




#13
Ethanol
Concen: 182.981 ppbv
RT: 1.732 min Scan# 5(
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 45 Resp: 23649(

Ion	Ratio	Lower	Upper
45	100		
46	38.7	20.2	80.8



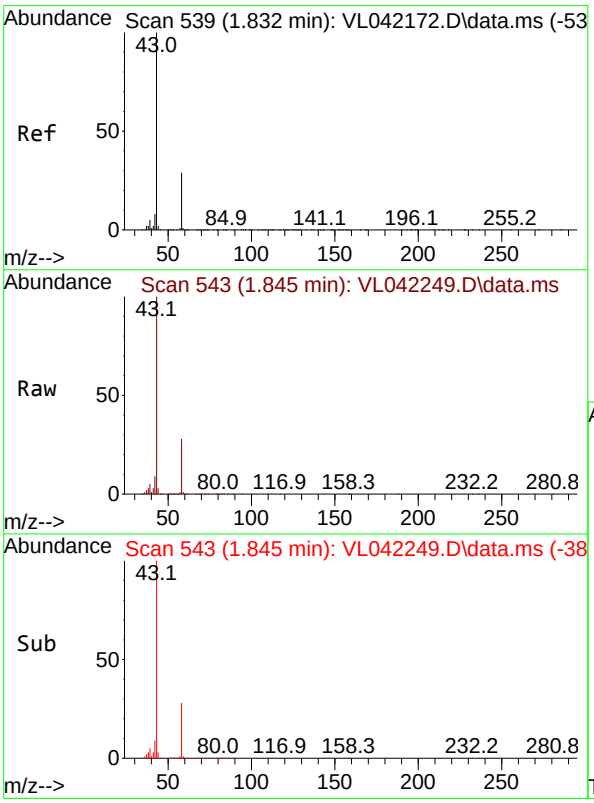
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

04/08/2025
Supervised By :Mahesh Dadoda

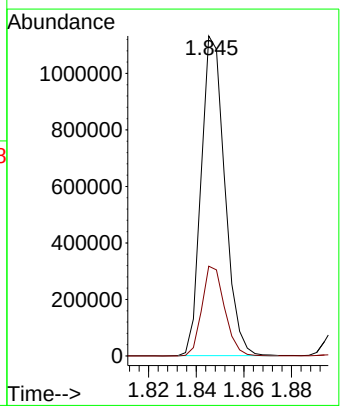
04/09/2025

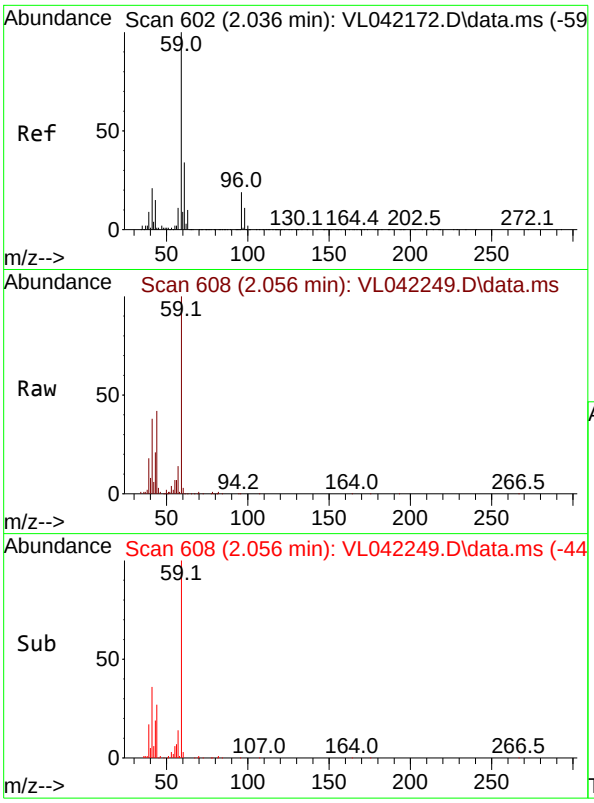


#15
Acetone
Concen: 28.202 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 43 Resp: 779996

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.2	34.8

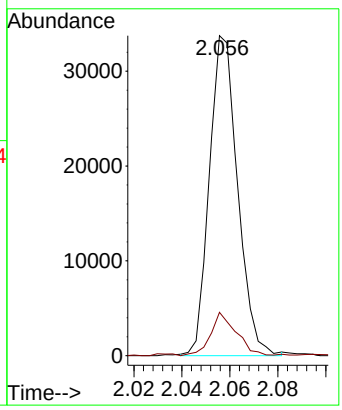




#17
tert-Butyl alcohol
Concen: 0.804 ppbv m
RT: 2.056 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 59 Resp: 2769

Ion	Ratio	Lower	Upper
59	100		
57	3.9	8.9	13.3#



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

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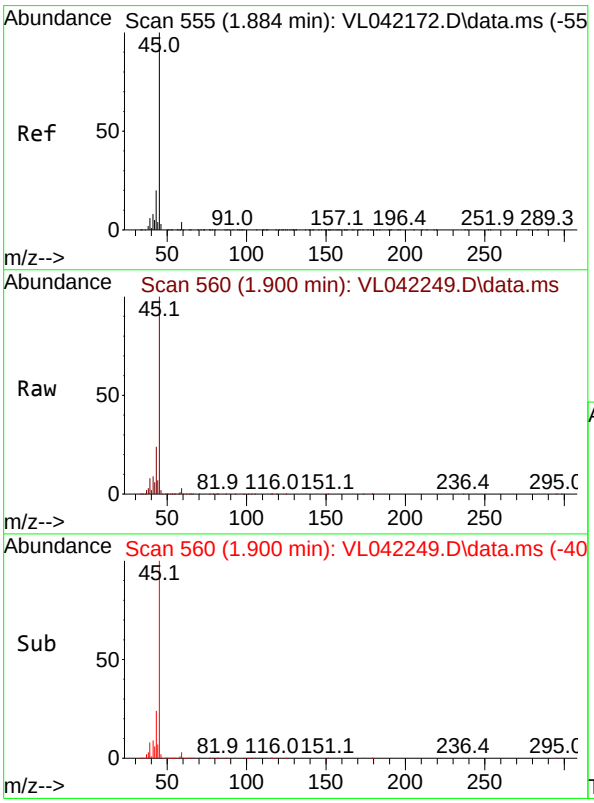
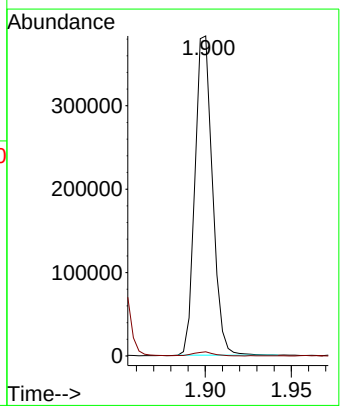
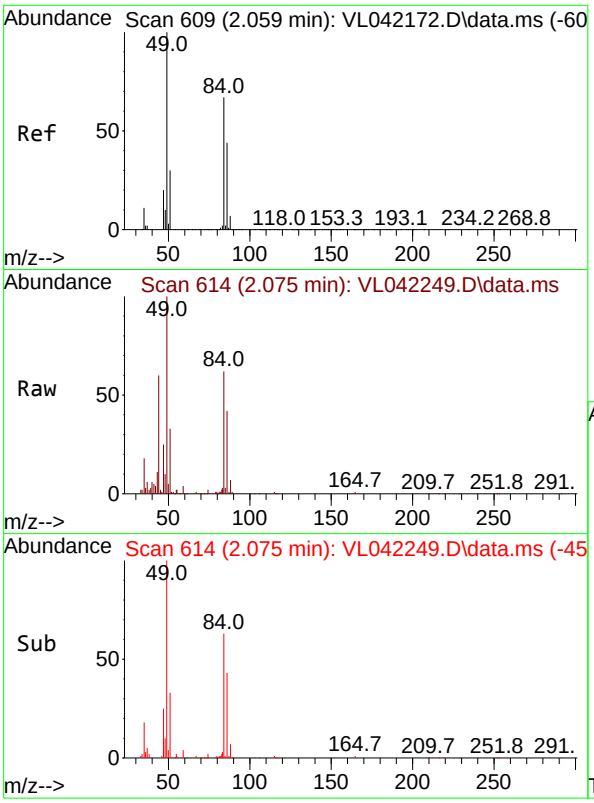


#19
Isopropyl Alcohol
Concen: 17.376 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 45 Resp: 271152

Ion	Ratio	Lower	Upper
45	100		
58	78.1	36.9	55.3#

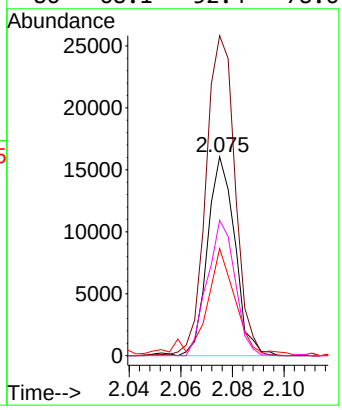




#20
Methylene Chloride
Concen: 1.147 ppbv
RT: 2.075 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 84 Resp: 1181

Ion	Ratio	Lower	Upper
84	100		
49	160.5	120.2	180.4
51	52.1	37.4	56.0
86	68.1	52.4	78.6



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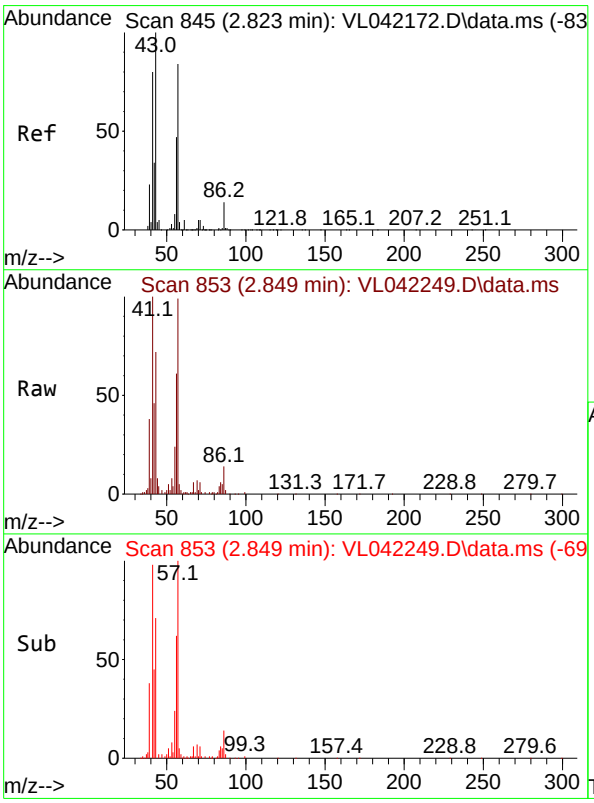
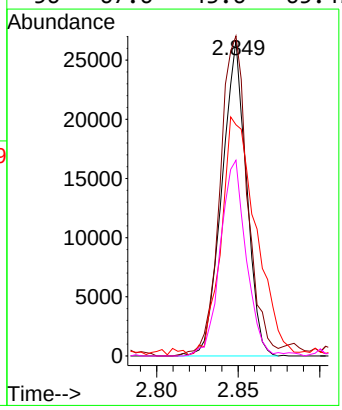
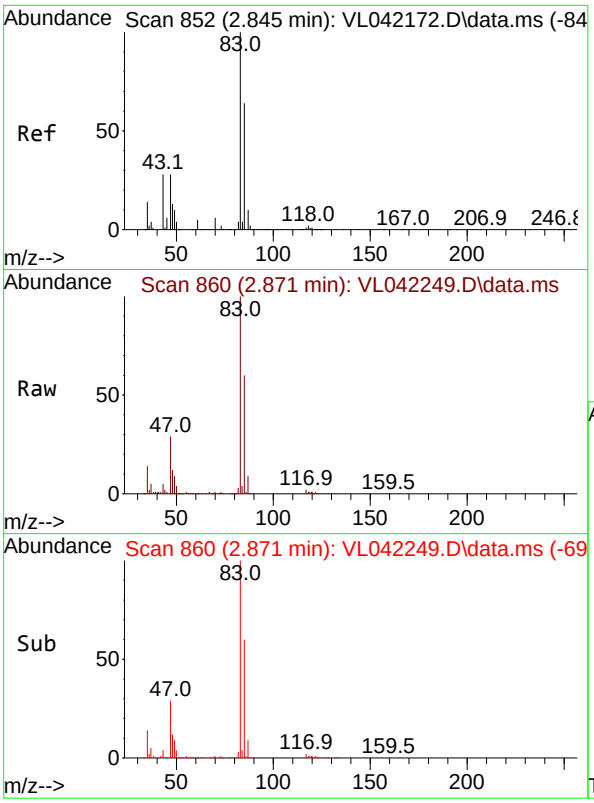


#26
Hexane
Concen: 1.004 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 57 Resp: 27836

Ion	Ratio	Lower	Upper
57	100		
41	120.4	76.6	114.8#
43	110.3	207.8	311.8#
56	67.6	43.6	65.4#

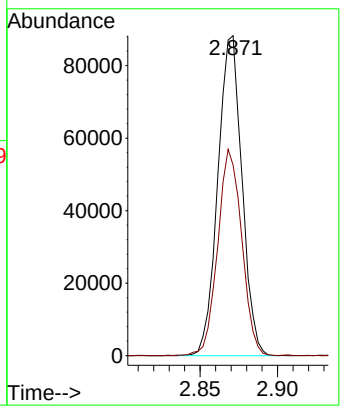




#29
Chloroform
Concen: 2.356 ppbv
RT: 2.871 min Scan# 8
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 83 Resp: 9558

Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.4	77.2



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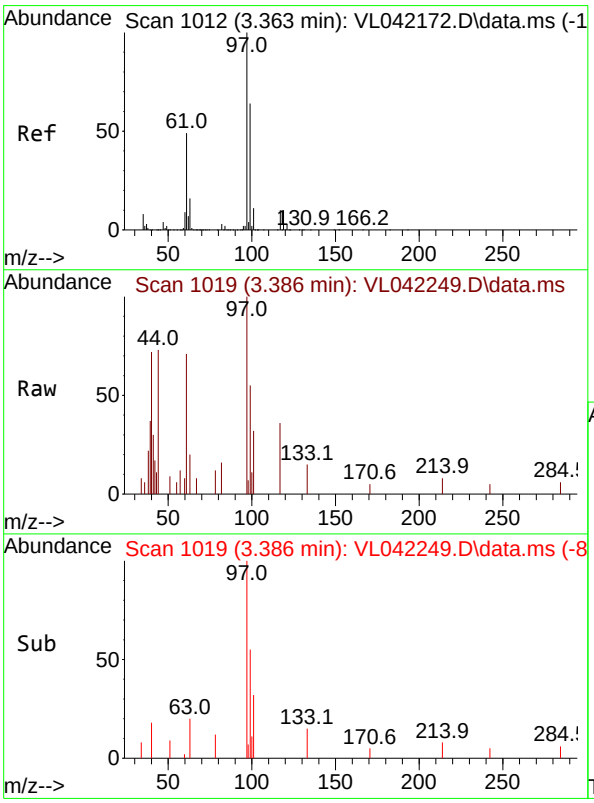
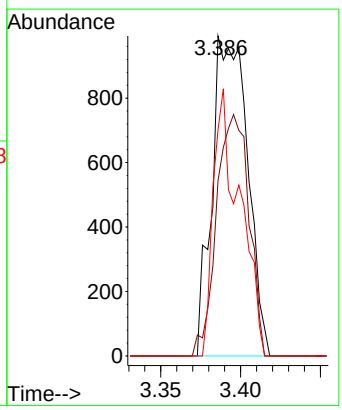
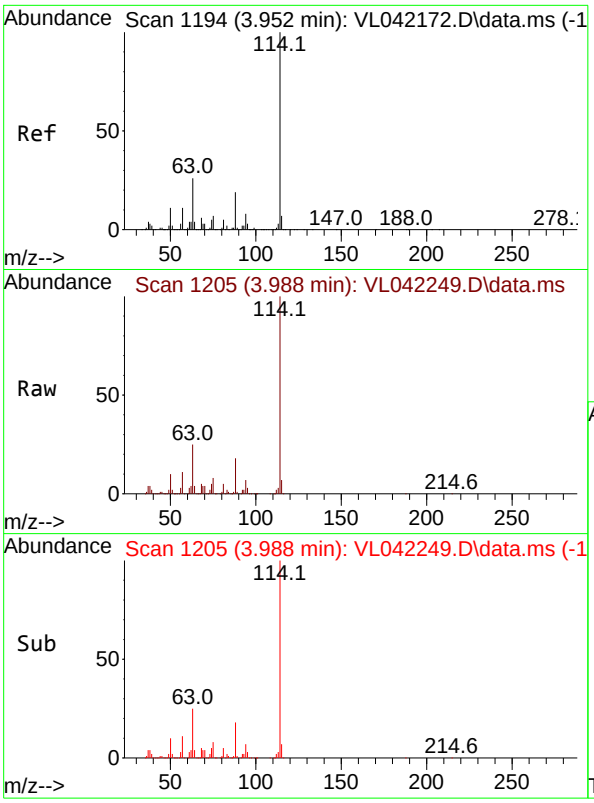


#32
1,1,1-Trichloroethane
Concen: 0.033 ppbv m
RT: 3.386 min Scan# 1019
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 97 Resp: 1528

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	62.4	38.7	58.1#

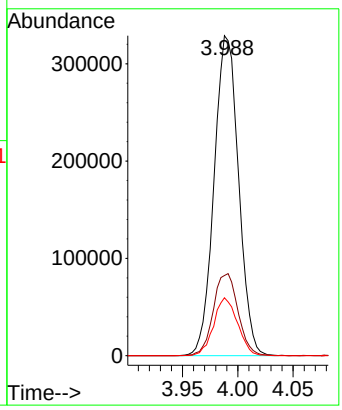




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1
Delta R.T. 0.036 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:114 Resp: 50659

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	17.7	15.0	22.4



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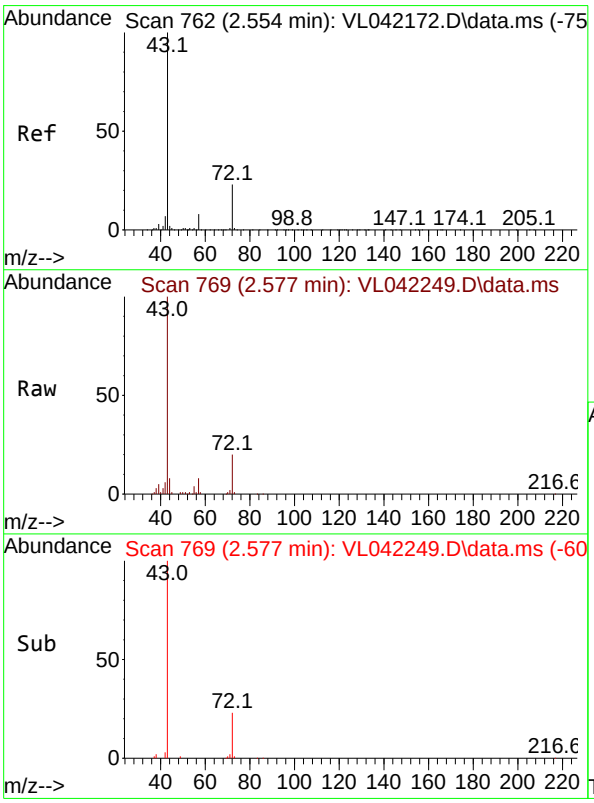
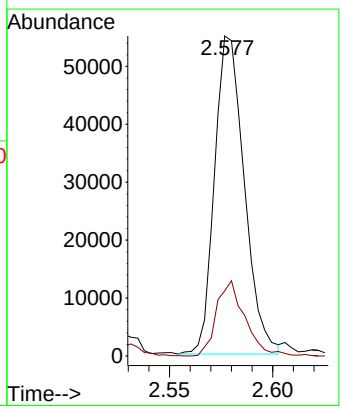
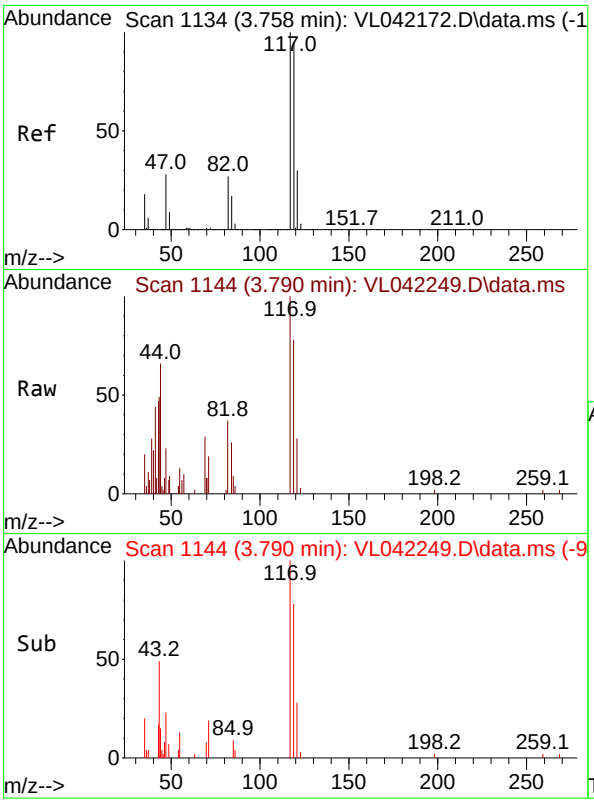


#34
2-Butanone
Concen: 1.500 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 43 Resp: 55098

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2

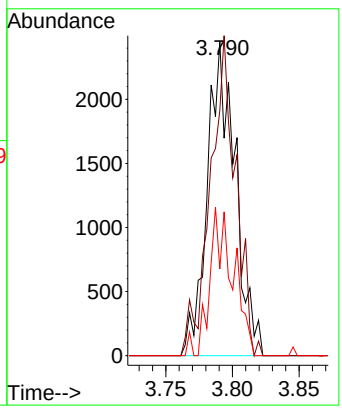




#35
Carbon Tetrachloride
Concen: 0.090 ppbv m
RT: 3.790 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:117 Resp: 356

Ion	Ratio	Lower	Upper
117	100		
119	77.9	76.2	114.2
121	27.6	24.2	36.4



Instrument :
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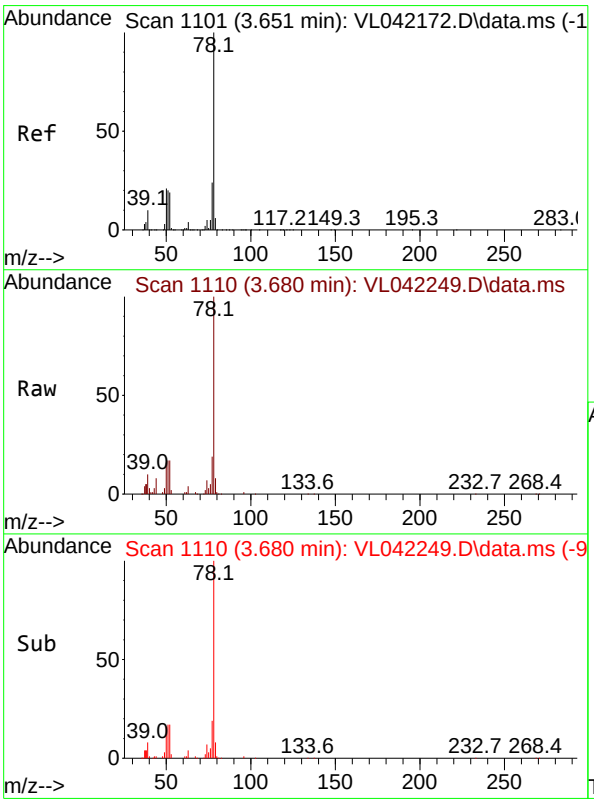
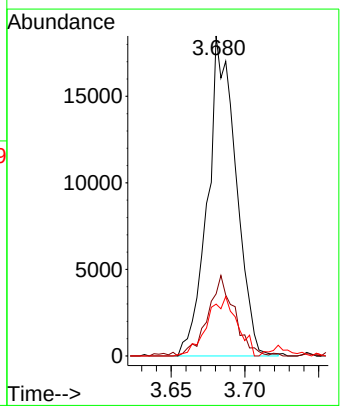
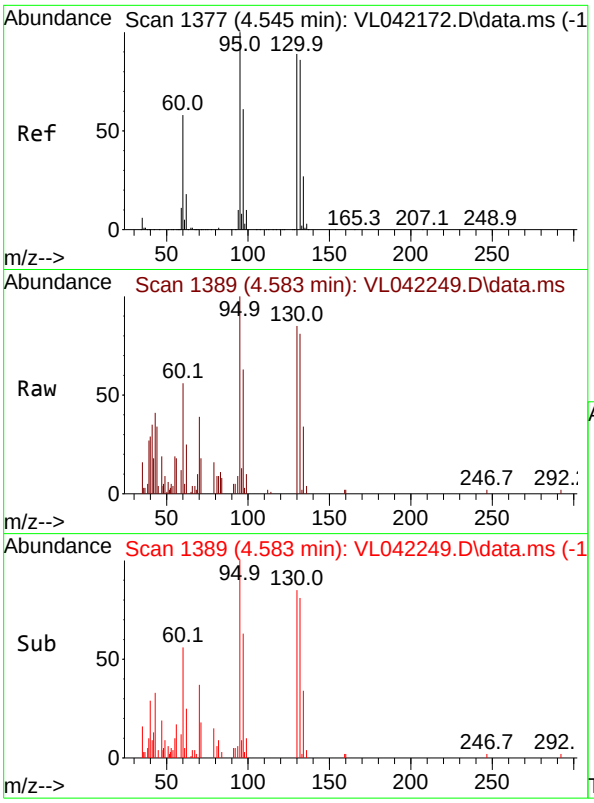


#36
Benzene
Concen: 0.492 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 78 Resp: 24686

Ion	Ratio	Lower	Upper
78	100		
77	19.4	19.1	28.7
50	15.7	16.6	24.8#

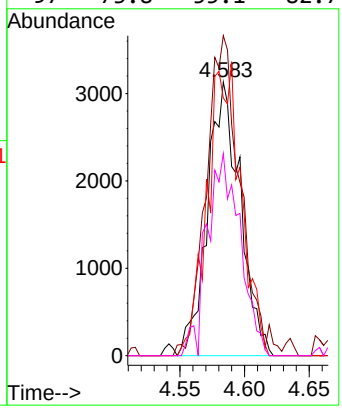




#38
Trichloroethene
Concen: 0.263 ppbv m
RT: 4.583 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:130 Resp: 551

Ion	Ratio	Lower	Upper
130	100		
95	117.0	89.8	134.8
132	94.2	77.4	116.2
97	73.8	55.1	82.7



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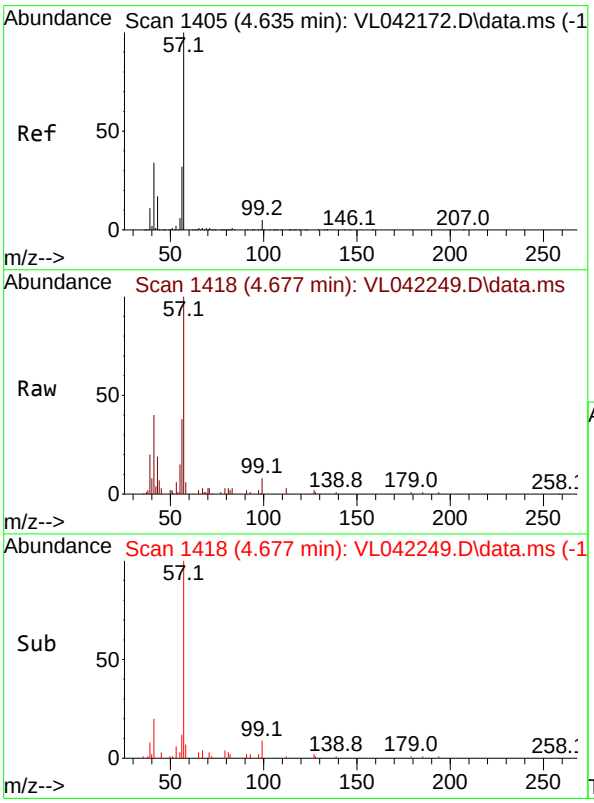
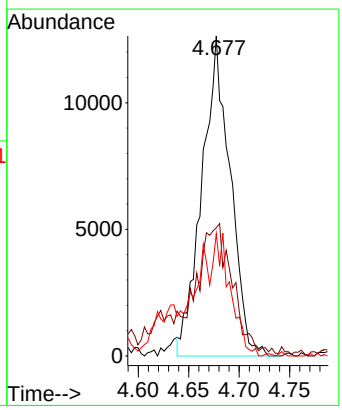
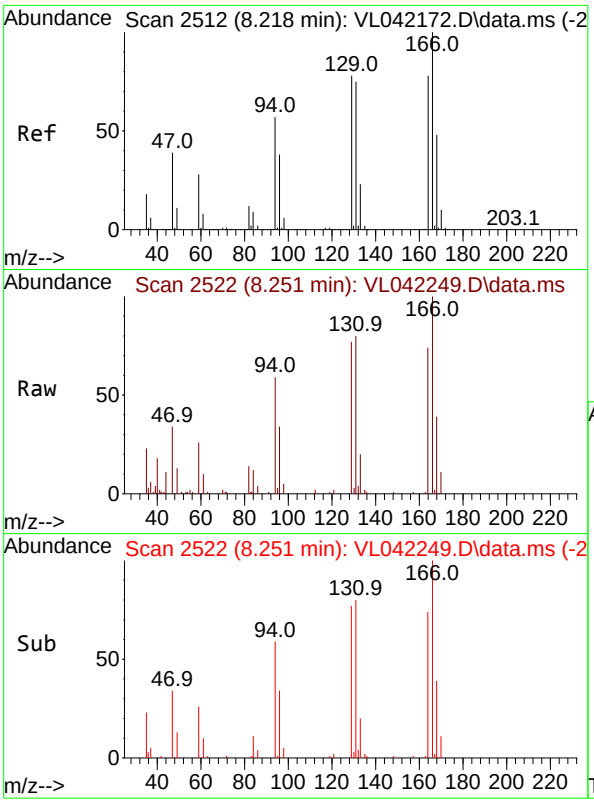


#44
2,2,4-Trimethylpentane
Concen: 0.290 ppbv m
RT: 4.677 min Scan# 1418
Delta R.T. 0.042 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 57 Resp: 24653

Ion	Ratio	Lower	Upper
57	100		
41	63.7	26.8	40.2#
56	57.4	25.6	38.4#

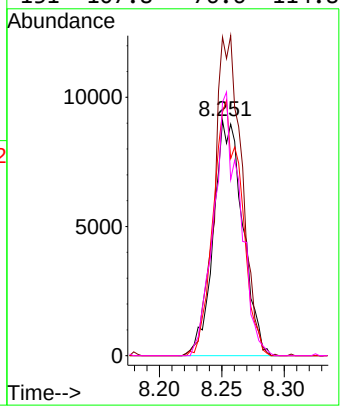




#52
Tetrachloroethene
Concen: 0.747 ppbv m
RT: 8.251 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:164 Resp: 1487

Ion	Ratio	Lower	Upper
164	100		
166	135.5	102.5	153.7
129	103.7	79.8	119.8
131	107.8	76.6	114.8



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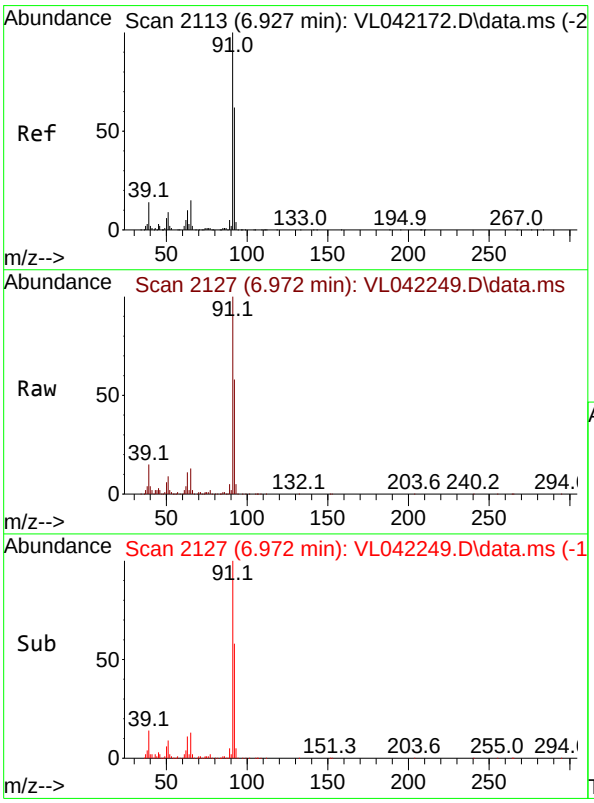
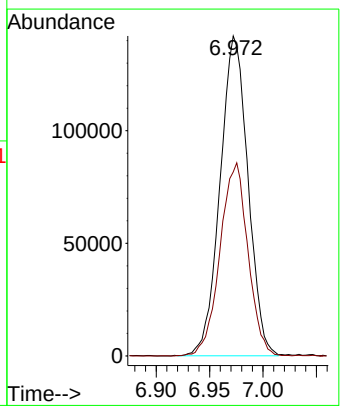
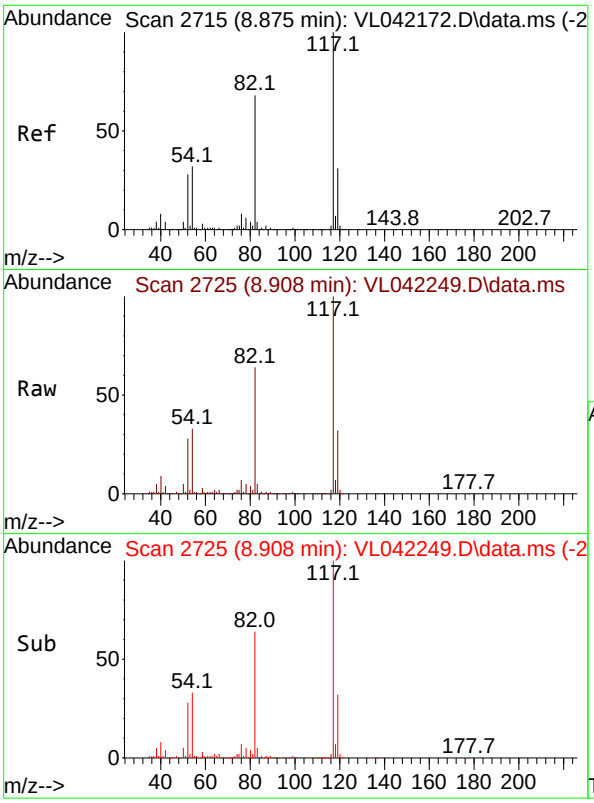


#53
Toluene
Concen: 4.334 ppbv
RT: 6.972 min Scan# 2127
Delta R.T. 0.045 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 258006

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.4	72.6

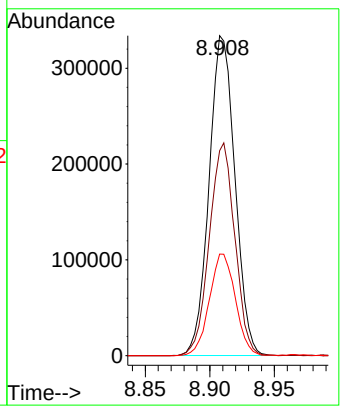




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:117 Resp: 46553

Ion	Ratio	Lower	Upper
117	100		
82	65.7	55.8	83.6
119	32.0	25.5	38.3



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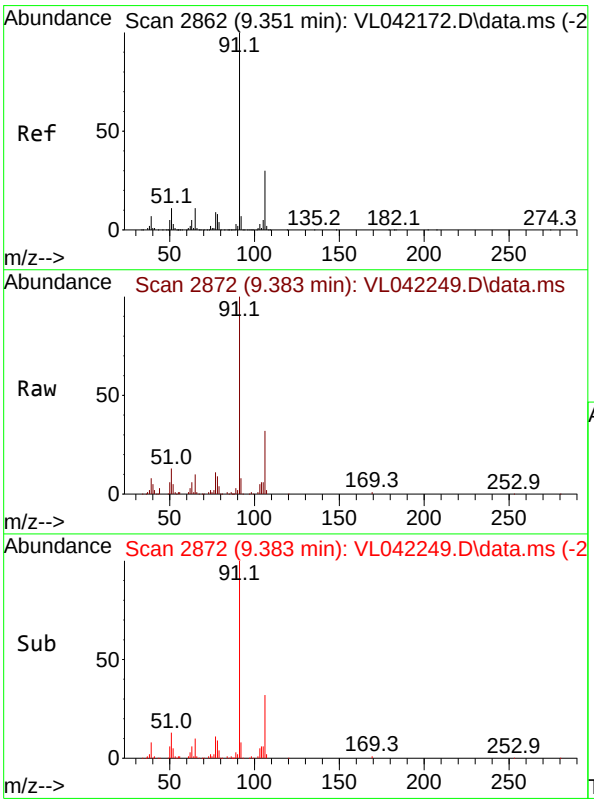
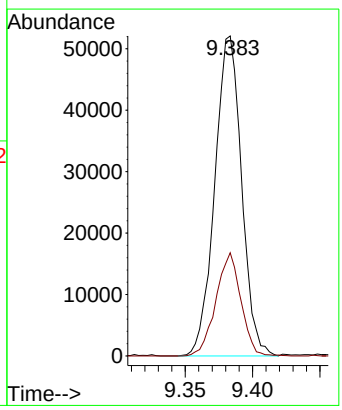
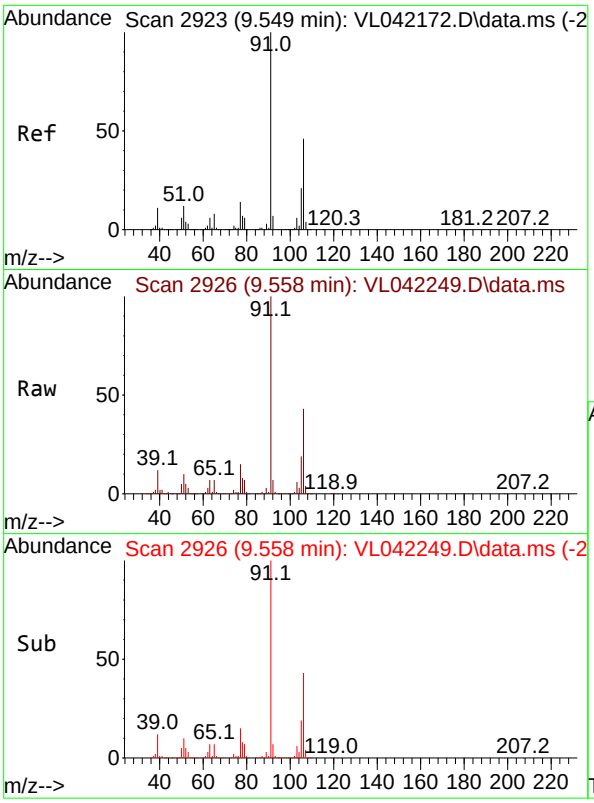


#58
Ethyl Benzene
Concen: 0.872 ppbv
RT: 9.383 min Scan# 2872
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 72131

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.2	36.2

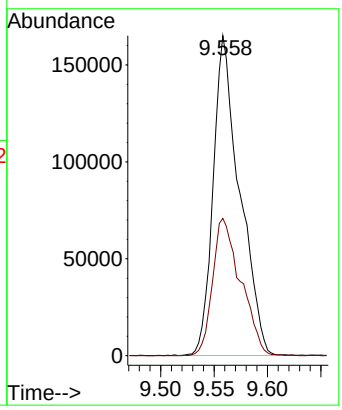




#59
m/p-Xylene
Concen: 4.307 ppbv
RT: 9.558 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 28437

Ion	Ratio	Lower	Upper
91	100		
106	45.7	36.4	54.6



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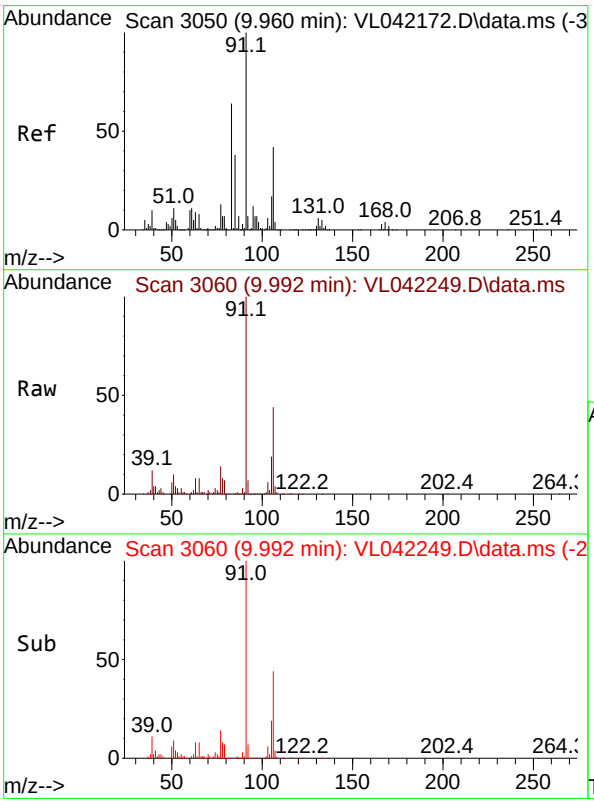
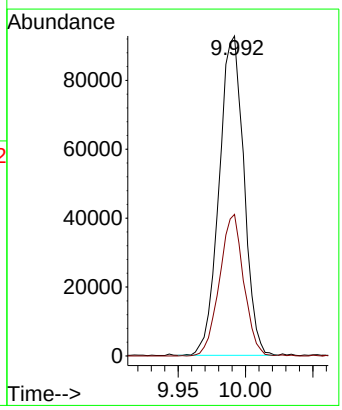
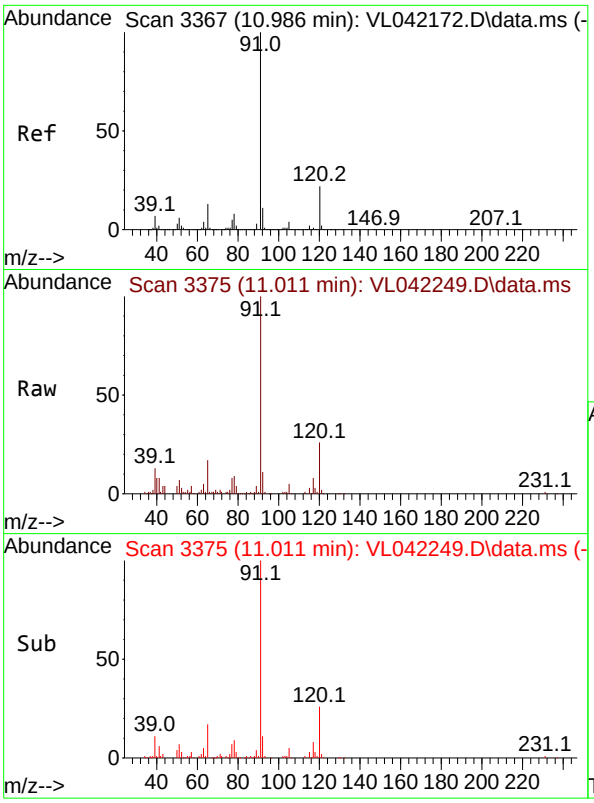


#60
o-Xylene
Concen: 1.790 ppbv
RT: 9.992 min Scan# 3060
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 118466

Ion	Ratio	Lower	Upper
91	100		
106	43.5	20.8	62.5

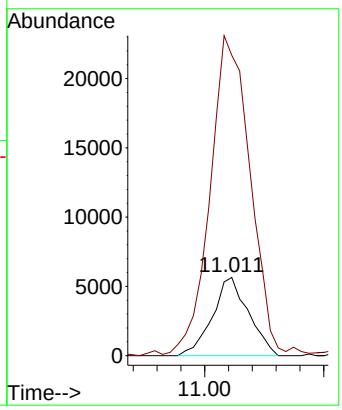




#64
n-propylbenzene
Concen: 0.233 ppbv
RT: 11.011 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:120 Resp: 594

Ion	Ratio	Lower	Upper
120	100		
91	461.4	376.9	565.3



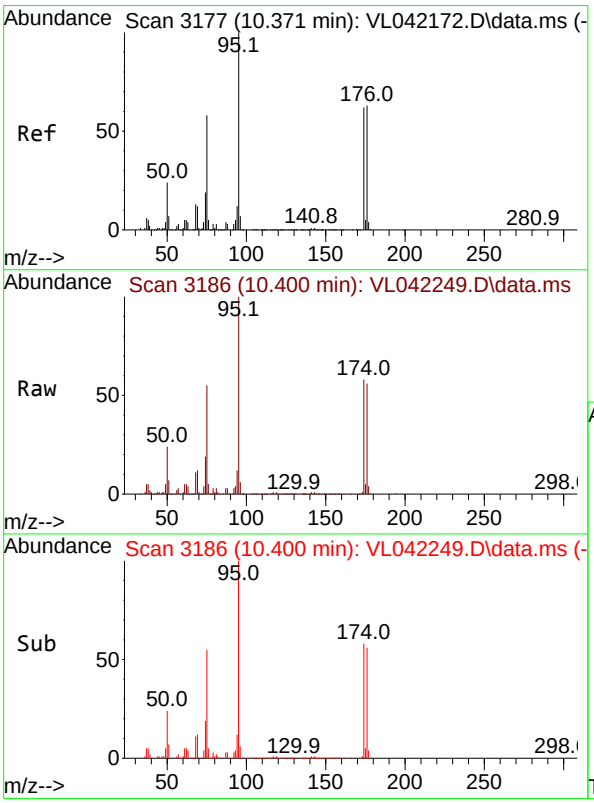
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

04/08/2025
Supervised By :Mahesh Dadoda

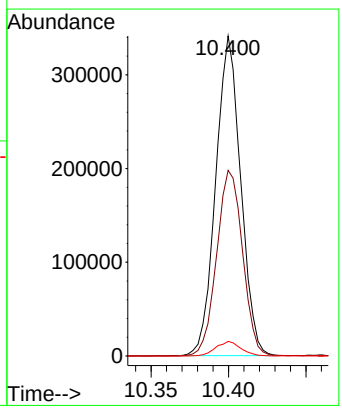
04/09/2025

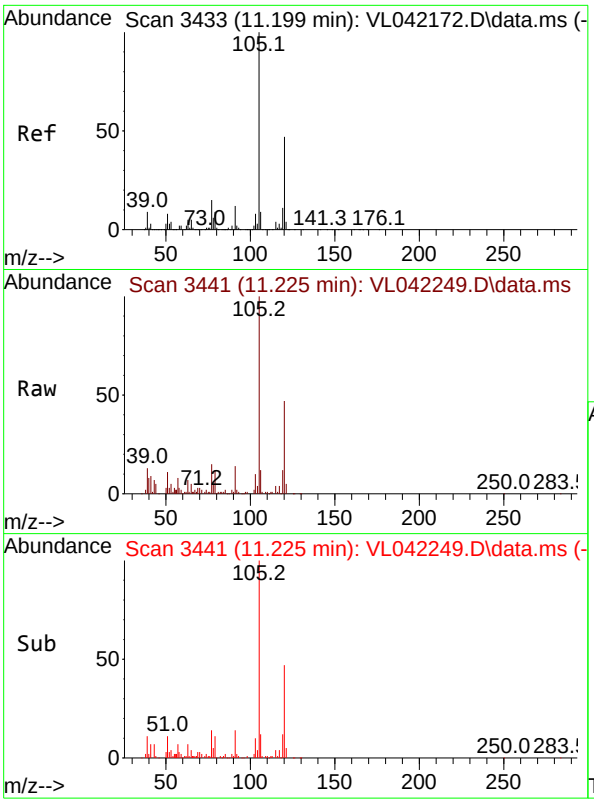


#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 10.400 min Scan# 3186
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 95 Resp: 381596

Ion	Ratio	Lower	Upper
95	100		
174	60.6	50.6	76.0
175	4.6	3.8	5.6

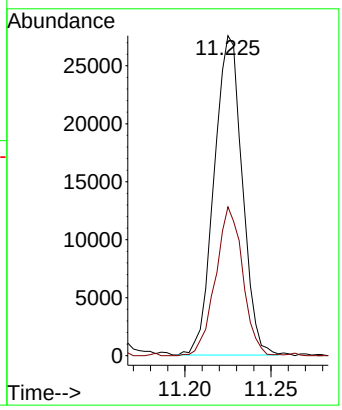




#73
1,3,5-Trimethylbenzene
Concen: 0.435 ppbv
RT: 11.225 min Scan# 34
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:105 Resp: 3132

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.4	56.0



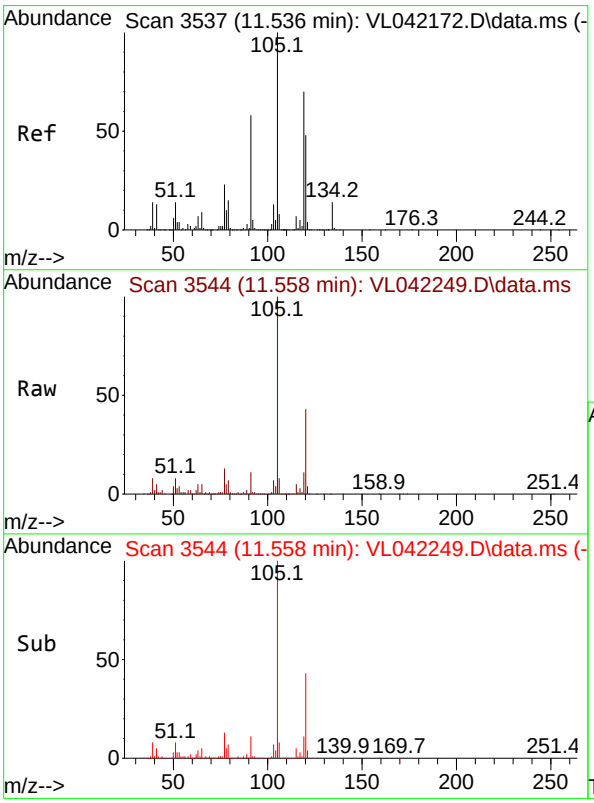
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt

04/08/2025
Supervised By :Mahesh Dadoda

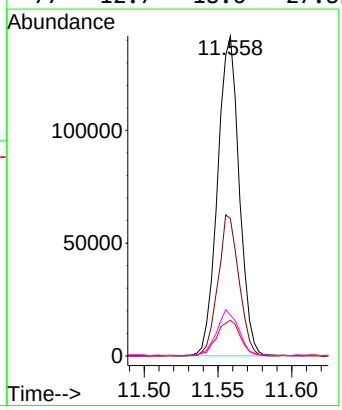
04/09/2025

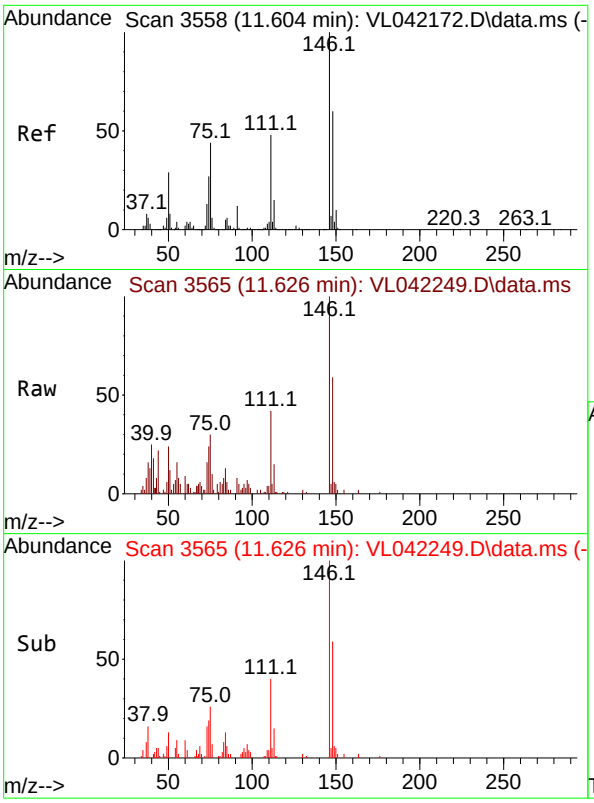


#74
1,2,4-Trimethylbenzene
Concen: 1.746 ppbv
RT: 11.558 min Scan# 3544
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:105 Resp: 144819

Ion	Ratio	Lower	Upper
105	100		
120	42.9	38.6	58.0
91	11.0	46.2	69.2#
77	12.7	18.6	27.8#

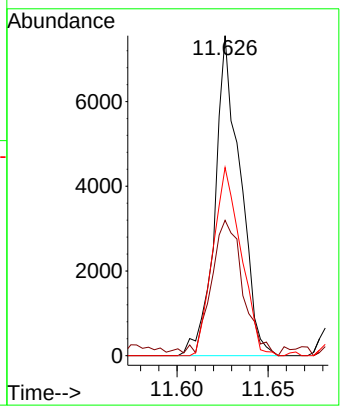




#75
1,3-Dichlorobenzene
Concen: 0.161 ppbv
RT: 11.626 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:146 Resp: 730

Ion	Ratio	Lower	Upper
146	100		
111	56.0	23.8	71.2
148	65.5	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt

04/08/2025
Supervised By :Mahesh Dadoda

04/09/2025

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042249.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.434	412	416	418	rBV	4486978	3373918	100.00%	14.250%
2	1.444	418	419	423	rVB3	4212355	2026291	60.06%	8.558%
3	1.496	431	435	437	rBV	240051	106170	3.15%	0.448%
4	1.567	453	457	464	rVB	441574	245078	7.26%	1.035%
5	1.612	466	471	474	rVV	342644	202008	5.99%	0.853%
6	1.632	474	477	481	rVB	130427	68573	2.03%	0.290%
7	1.732	504	508	515	rBV	728075	425600	12.61%	1.797%
8	1.845	539	543	552	rVB	1765109	1267337	37.56%	5.353%
9	1.897	552	559	564	rBV	640910	466815	13.84%	1.972%
10	1.978	579	584	589	rVB	77009	56416	1.67%	0.238%
11	2.056	604	608	611	rBV	78011	65567	1.94%	0.277%
12	2.075	611	614	619	rVB	84602	61409	1.82%	0.259%
13	2.467	726	735	738	rBV4	36597	50644	1.50%	0.214%
14	2.493	738	743	749	rVB	123318	117389	3.48%	0.496%
15	2.577	764	769	780	rVB	88857	90589	2.68%	0.383%
16	2.645	780	790	798	rVB2	85877	97359	2.89%	0.411%
17	2.807	832	840	847	rBV	718916	747553	22.16%	3.157%
18	2.849	847	853	855	rVV	146296	154505	4.58%	0.653%
19	2.868	855	859	867	rVB2	248249	275835	8.18%	1.165%
20	3.256	968	979	988	rBV3	59607	83892	2.49%	0.354%
21	3.680	1099	1110	1118	rBV2	42242	65546	1.94%	0.277%
22	3.723	1118	1123	1134	rVB3	33595	50474	1.50%	0.213%
23	3.988	1193	1205	1219	rBV	873321	1356795	40.21%	5.730%
24	4.085	1222	1235	1244	rVV2	79774	156754	4.65%	0.662%
25	4.127	1244	1248	1262	rVB5	31384	49448	1.47%	0.209%
26	4.305	1289	1303	1315	rBV5	83492	167726	4.97%	0.708%
27	4.677	1409	1418	1431	rVB3	36104	75571	2.24%	0.319%
28	5.020	1510	1524	1538	rBV2	50650	110435	3.27%	0.466%
29	5.713	1726	1738	1752	rVB9	29487	78664	2.33%	0.332%
30	6.972	2110	2127	2143	rBV	379540	735422	21.80%	3.106%
31	7.412	2250	2263	2272	rBV5	37475	82526	2.45%	0.349%
32	7.629	2319	2330	2336	rBV6	47478	93290	2.77%	0.394%
33	7.726	2349	2360	2371	rVB5	50761	91626	2.72%	0.387%
34	8.254	2512	2523	2533	rBV4	87851	147562	4.37%	0.623%
35	8.328	2540	2546	2563	rVB5	57078	114162	3.38%	0.482%
36	8.911	2711	2726	2736	rBV	1161602	1662108	49.26%	7.020%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

37	8.966	2736	2743	2750	rVB3	46950	64760	1.92%	0.274%
38	9.173	2797	2807	2820	rBV4	40076	72100	2.14%	0.305%
39	9.383	2862	2872	2885	rBV	134223	199868	5.92%	0.844%
40	9.558	2915	2926	2944	rBV2	470048	846828	25.10%	3.577%
41	9.746	2972	2984	2985	rBV6	33062	44044	1.31%	0.186%
42	9.759	2985	2988	3000	rVB3	38152	44495	1.32%	0.188%
43	9.882	3014	3026	3037	rVB3	38649	63567	1.88%	0.268%
44	9.992	3047	3060	3074	rBV2	278248	404653	11.99%	1.709%
45	10.400	3169	3186	3197	rBV	1557839	1842098	54.60%	7.780%
46	10.830	3312	3319	3325	rBV5	35355	47032	1.39%	0.199%
47	10.879	3328	3334	3343	rVB5	47064	61034	1.81%	0.258%
48	11.008	3366	3374	3389	rVB	59290	83459	2.47%	0.352%
49	11.118	3399	3408	3413	rBV	211456	235255	6.97%	0.994%
50	11.144	3413	3416	3424	rVB2	95405	98880	2.93%	0.418%
51	11.225	3431	3441	3449	rVB2	97470	113775	3.37%	0.481%
52	11.361	3477	3483	3489	rVB2	79099	86935	2.58%	0.367%
53	11.555	3532	3543	3554	rBV	431244	525438	15.57%	2.219%
54	11.626	3556	3565	3574	rVB4	43678	58886	1.75%	0.249%
55	11.775	3604	3611	3614	rBV6	36956	50669	1.50%	0.214%
56	11.791	3614	3616	3624	rVB4	59723	55627	1.65%	0.235%
57	11.898	3641	3649	3657	rBV2	72306	78535	2.33%	0.332%
58	12.063	3695	3700	3708	rVB4	83101	85690	2.54%	0.362%
59	12.248	3750	3757	3761	rBV	265056	286190	8.48%	1.209%
60	12.270	3761	3764	3774	rVV2	153338	203023	6.02%	0.857%
61	12.313	3774	3777	3789	rVB3	40389	49417	1.46%	0.209%
62	12.458	3815	3822	3837	rVB2	98225	147007	4.36%	0.621%
63	12.529	3837	3844	3851	rBV4	66968	96220	2.85%	0.406%
64	12.607	3862	3868	3878	rVB3	38273	52495	1.56%	0.222%
65	12.691	3880	3894	3901	rBV	388158	464048	13.75%	1.960%
66	13.403	4103	4114	4123	rBV	2052236	2131212	63.17%	9.001%
67	15.258	4678	4687	4695	rBV4	51622	63078	1.87%	0.266%

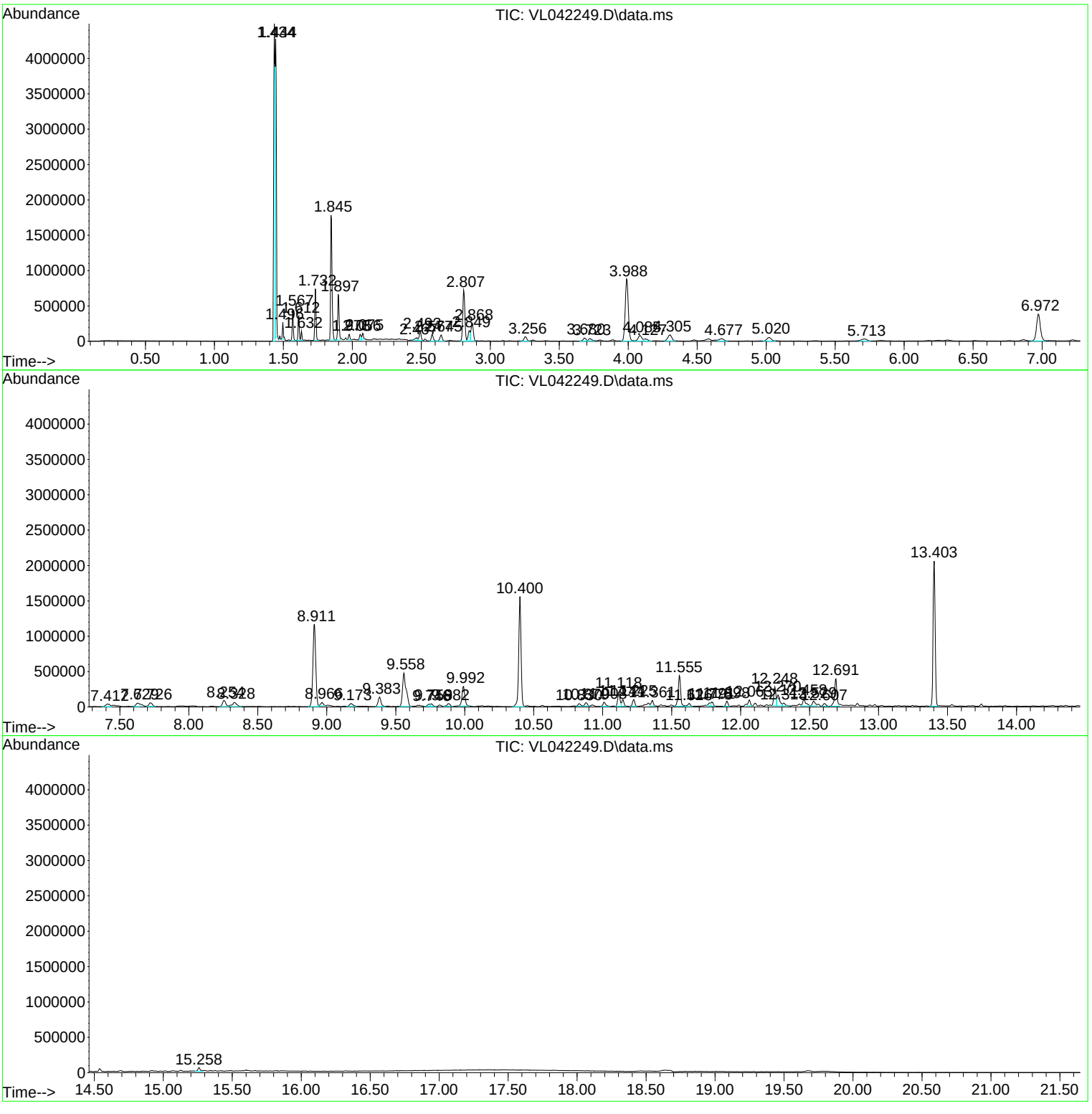
Sum of corrected areas: 23677375

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

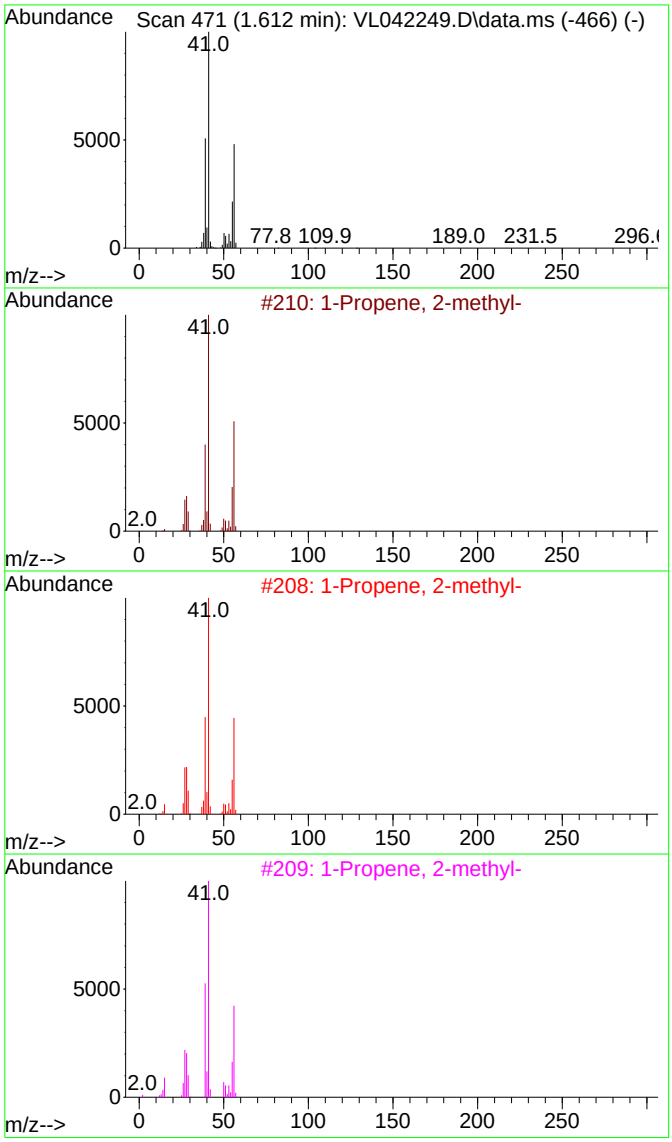
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

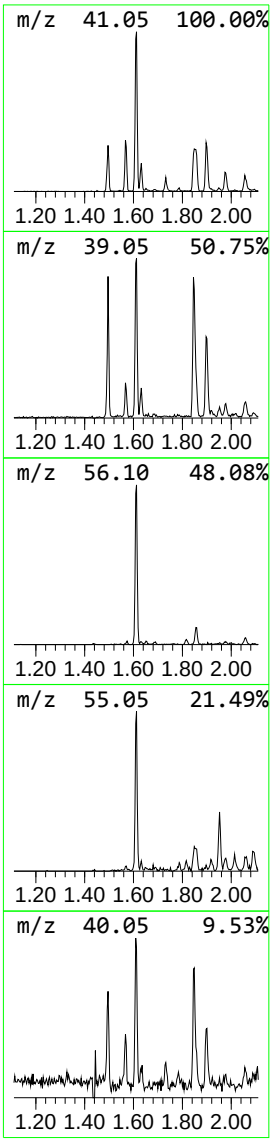
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1-Propene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.612	2.70 ppbv	202008	Bromochloromethane	2.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	83
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72
4	2-Butene	56	C4H8	000107-01-7	72
5	Cyclobutane	56	C4H8	000287-23-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

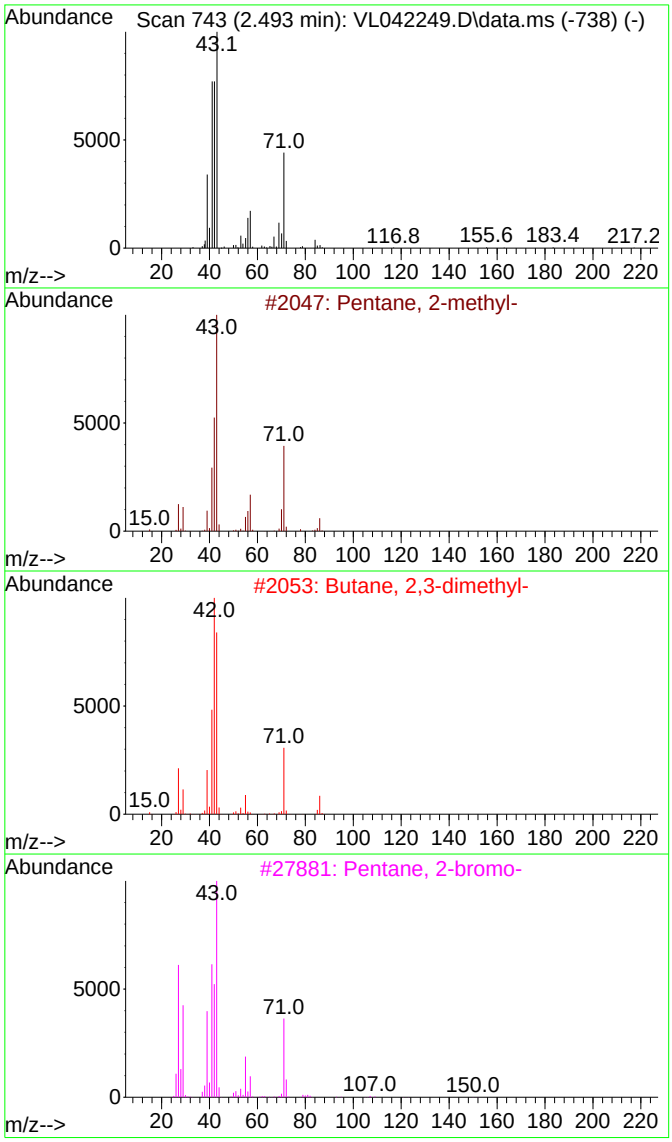
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

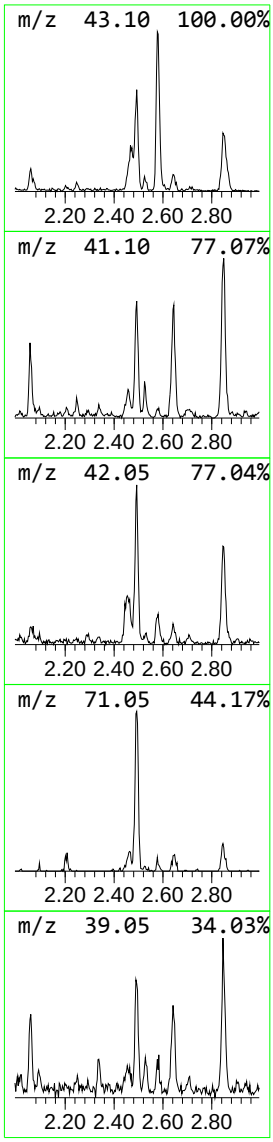
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.493	1.57 ppbv	117389	Bromochloromethane	2.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53
3	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	40
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	39
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

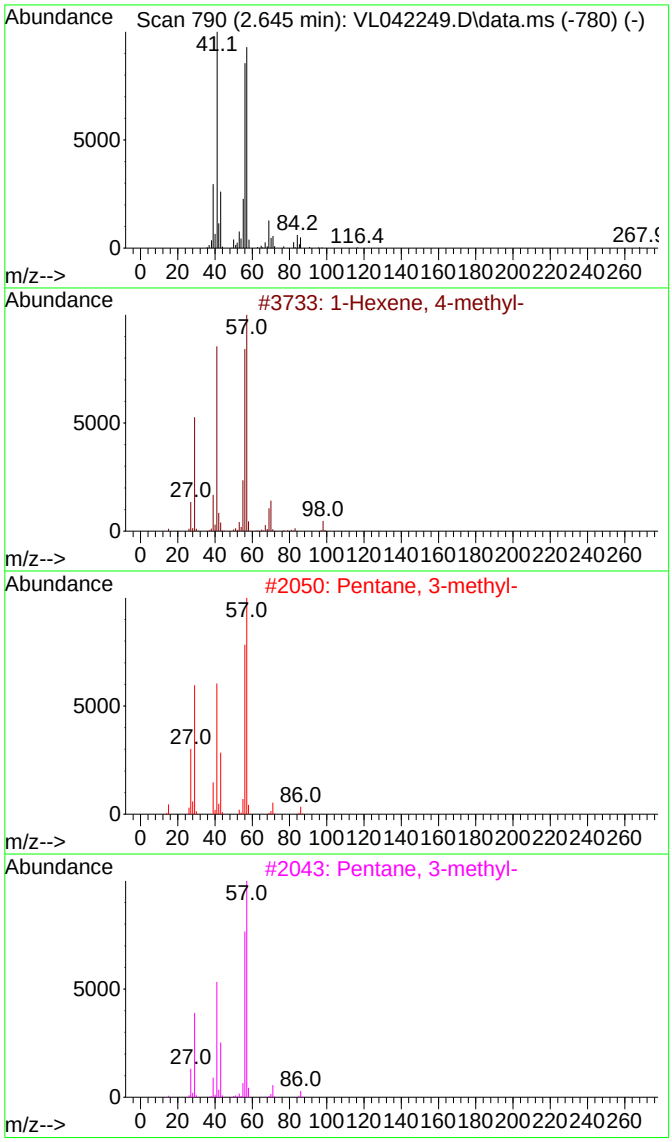
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

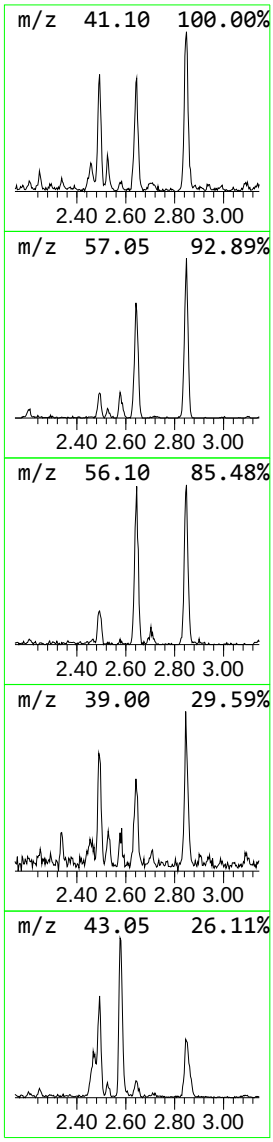
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Hexene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.645	1.30 ppbv	97359	Bromochloromethane	2.807

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	64
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	59
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	59
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	59
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

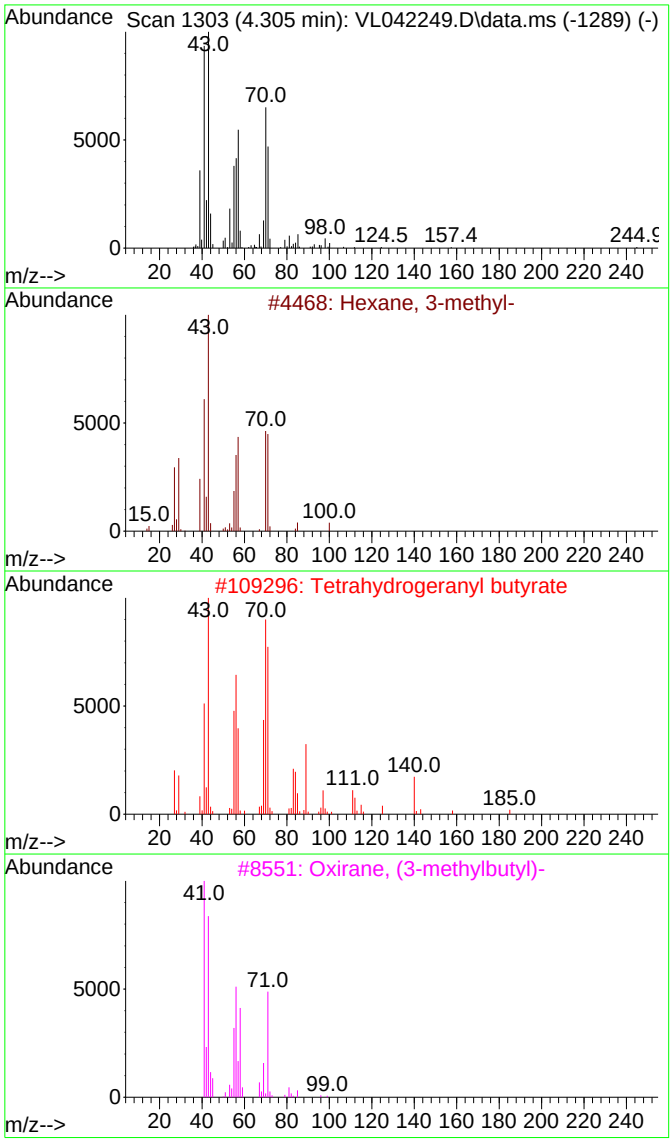
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

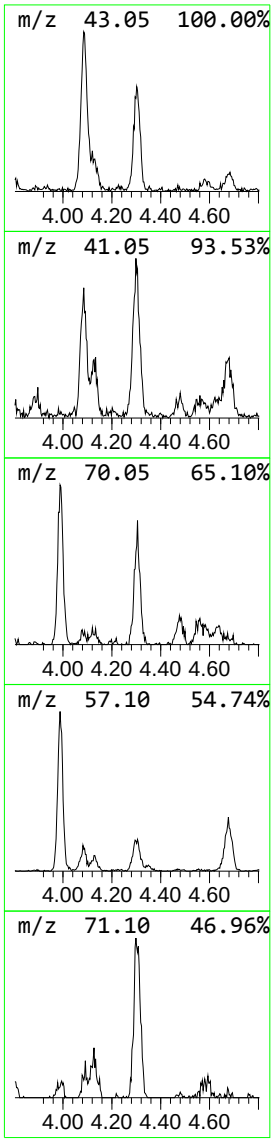
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Hexane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.305	1.24 ppbv	167726	1,4-Difluorobenzene	3.988

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	72
2	Tetrahydrogeranyl butyrate	228	C14H28O2	1000428-75-4	59
3	Oxirane, (3-methylbutyl)-	114	C7H14O	053229-41-7	53
4	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	50
5	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

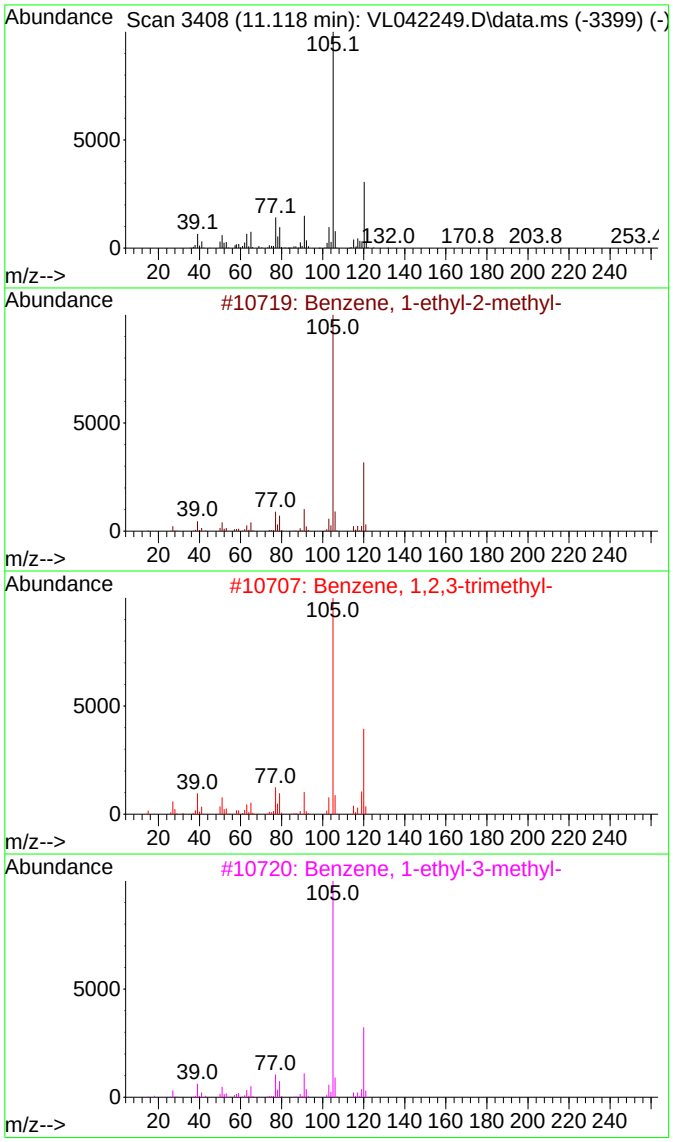
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

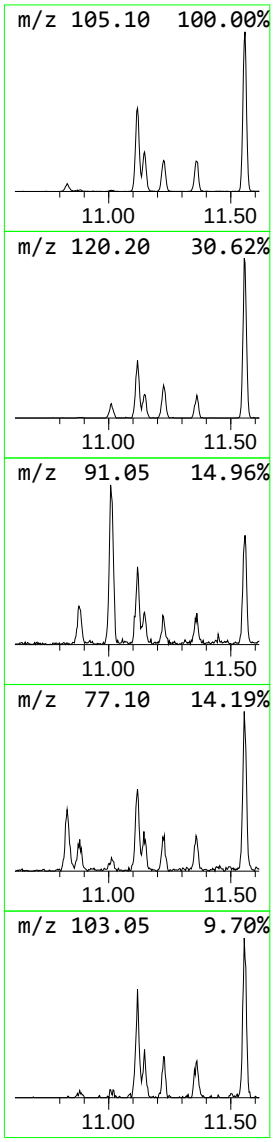
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.118	1.42 ppbv	235255	Chlorobenzene-d5	8.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

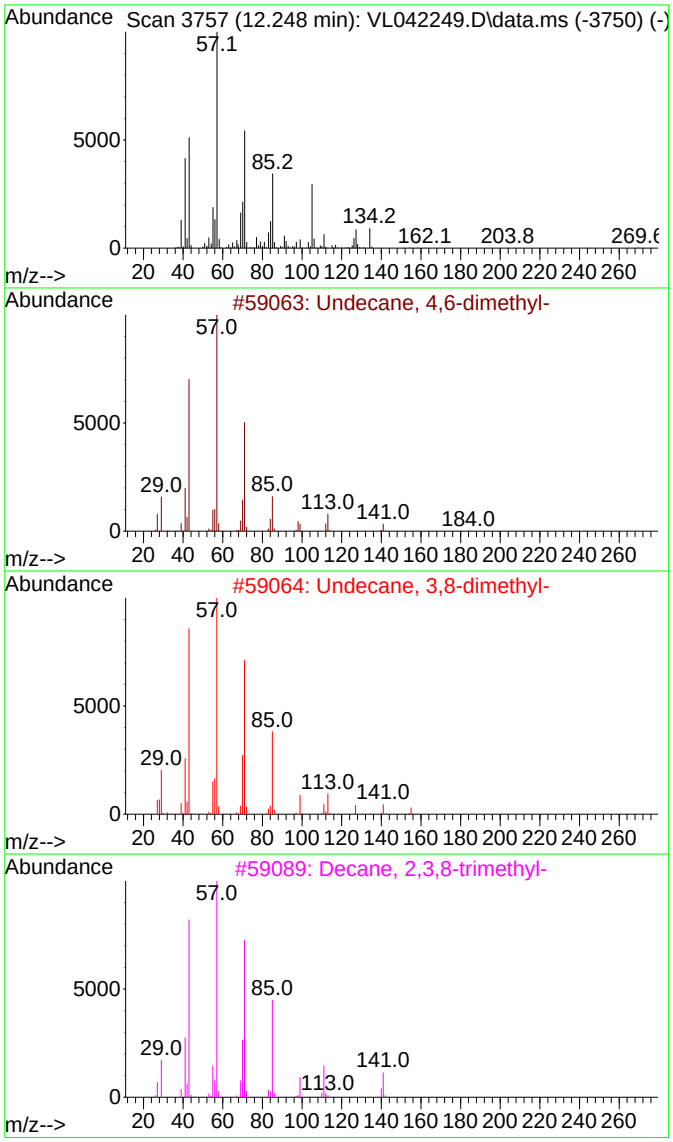
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

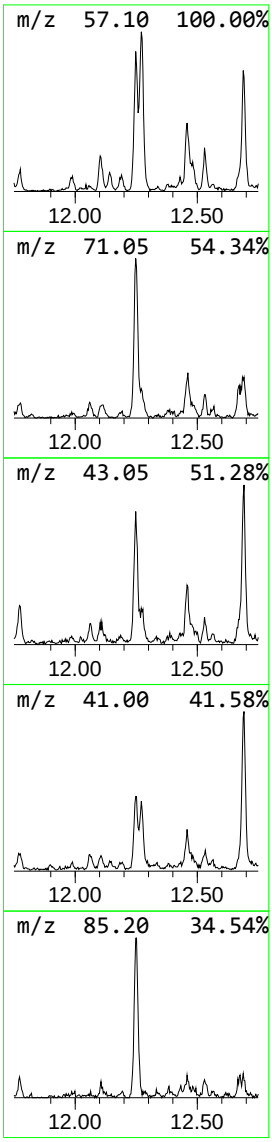
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Undecane, 4,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.248	1.72 ppbv	286190	Chlorobenzene-d5	8.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	50
2	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	47
3	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	47
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	47
5	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

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

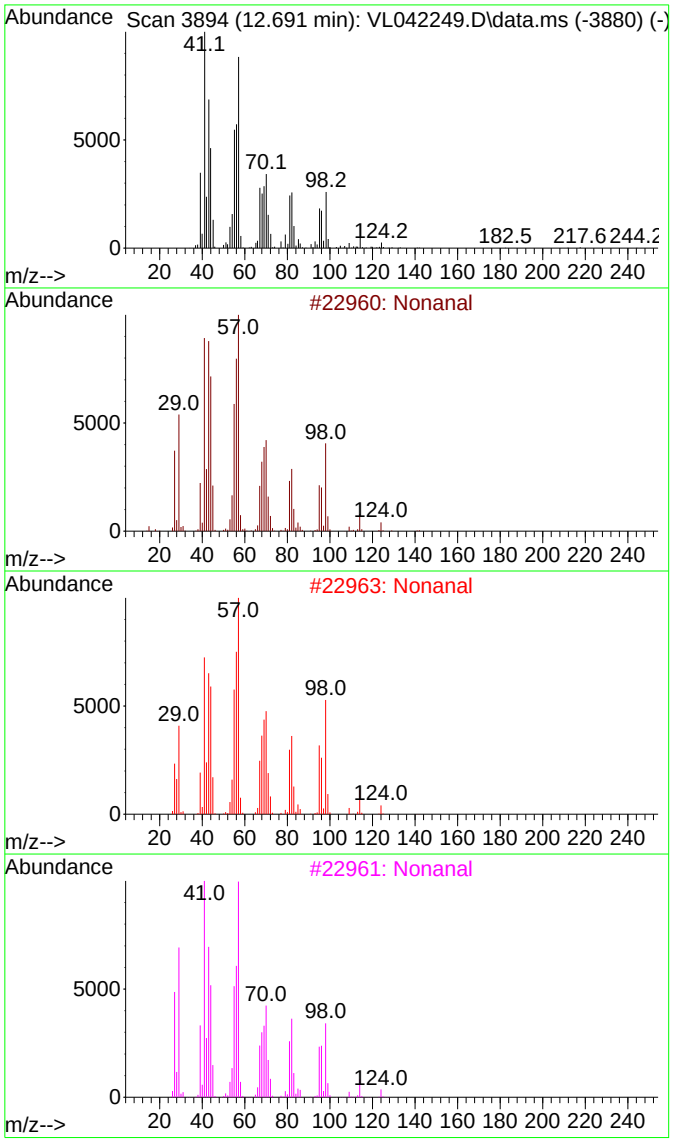
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

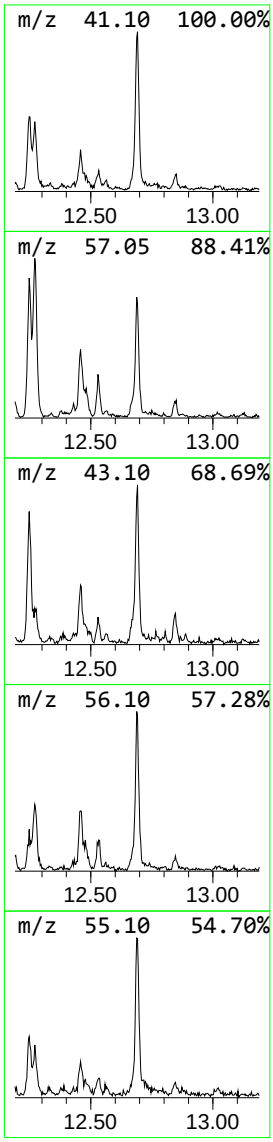
****

Peak Number 9 Nonanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.691	2.79 ppbv	464048	Chlorobenzene-d5	8.908

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	86
2	Nonanal	142	C9H18O	000124-19-6	78
3	Nonanal	142	C9H18O	000124-19-6	59
4	7-Octen-1-ol, 3,7-dimethyl-, (S)-	156	C10H20O	006812-78-8	35
5	Acetic acid, undec-2-enyl ester	212	C13H24O2	100288-67-3	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Propene, 2-me...	1.612	2.7	ppbv	202008	1	2.807	747553	10.0
Pentane, 2-methyl-	2.493	1.6	ppbv	117389	1	2.807	747553	10.0
1-Hexene, 4-met...	2.645	1.3	ppbv	97359	1	2.807	747553	10.0
Hexane, 3-methyl-	4.305	1.2	ppbv	167726	2	3.988	1356800	10.0
Benzene, 1-ethy...	11.118	1.4	ppbv	235255	3	8.908	1662110	10.0
Undecane, 4,6-d...	12.248	1.7	ppbv	286190	3	8.908	1662110	10.0
Nonanal	12.691	2.8	ppbv	464048	3	8.908	1662110	10.0

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-1-03312025-SPLITDL	SDG No.:	Q1725
Lab Sample ID:	Q1725-07DL	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
VL042241.D	10		04/07/25 20:19	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.10	10.4	UD	10.4	24.7	ug/m3
74-87-3	Chloromethane	0.98	2.02	UD	2.02	10.3	ug/m3
75-01-4	Vinyl Chloride	0.14	0.36	UD	0.36	0.77	ug/m3
74-83-9	Bromomethane	1.40	5.44	UD	5.44	19.4	ug/m3
75-00-3	Chloroethane	1.70	4.49	UD	4.49	13.2	ug/m3
109-99-9	Tetrahydrofuran	1.30	3.83	UD	3.83	14.8	ug/m3
75-69-4	Trichlorofluoromethane	1.60	8.99	UD	8.99	28.1	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	12.3	UD	12.3	38.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.88	6.15	UD	6.15	35.0	ug/m3
75-65-0	tert-Butyl alcohol	1.90	5.76	UD	5.76	15.2	ug/m3
142-82-5	Heptane	1.10	4.51	UD	4.51	20.5	ug/m3
75-35-4	1,1-Dichloroethene	1.40	5.55	UD	5.55	19.8	ug/m3
67-64-1	Acetone	32.0	76.0	D	5.70	11.9	ug/m3
75-15-0	Carbon Disulfide	1.60	4.98	UD	4.98	15.6	ug/m3
1634-04-4	Methyl tert-Butyl Ether	1.20	4.33	UD	4.33	18.0	ug/m3
75-09-2	Methylene Chloride	2.80	9.73	JD	6.60	17.4	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.90	7.53	UD	7.53	19.8	ug/m3
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	5.26	20.2	ug/m3
110-82-7	Cyclohexane	2.20	7.57	UD	7.57	17.2	ug/m3
78-93-3	2-Butanone	1.60	4.72	JD	3.54	14.8	ug/m3
56-23-5	Carbon Tetrachloride	0.11	0.69	UD	0.69	1.89	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.89	3.53	UD	3.53	19.8	ug/m3
67-66-3	Chloroform	2.50	12.2	JD	4.05	24.4	ug/m3
71-55-6	1,1,1-Trichloroethane	0.10	0.55	UD	0.55	1.64	ug/m3
540-84-1	2,2,4-Trimethylpentane	1.00	4.67	UD	4.67	23.4	ug/m3
71-43-2	Benzene	0.87	2.78	UD	2.78	16.0	ug/m3
107-06-2	1,2-Dichloroethane	0.91	3.68	UD	3.68	20.2	ug/m3
79-01-6	Trichloroethene	0.17	0.91	UD	0.91	1.61	ug/m3
78-87-5	1,2-Dichloropropane	1.10	5.08	UD	5.08	23.1	ug/m3
75-27-4	Bromodichloromethane	0.77	5.16	UD	5.16	33.5	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.93	3.81	UD	3.81	20.5	ug/m3
108-88-3	Toluene	3.10	11.7	JD	4.15	18.8	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.60	2.72	UD	2.72	22.7	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.64	2.91	UD	2.91	22.7	ug/m3
79-00-5	1,1,2-Trichloroethane	0.71	3.87	UD	3.87	27.3	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-1-03312025-SPLITDL	SDG No.:	Q1725
Lab Sample ID:	Q1725-07DL	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
VL042241.D	10		04/07/25 20:19	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.66	5.62	UD	5.62	42.6	ug/m3
106-93-4	1,2-Dibromoethane	0.72	5.53	UD	5.53	7.69	ug/m3
127-18-4	Tetrachloroethene	0.73	4.95	D	1.02	2.03	ug/m3
108-90-7	Chlorobenzene	0.76	3.50	UD	3.50	23.0	ug/m3
100-41-4	Ethyl Benzene	1.20	5.21	UD	5.21	21.7	ug/m3
179601-23-1	m/p-Xylene	2.50	10.9	JD	9.12	43.4	ug/m3
95-47-6	o-Xylene	1.20	5.21	JD	5.21	21.7	ug/m3
100-42-5	Styrene	1.10	4.68	UD	4.68	21.3	ug/m3
75-25-2	Bromoform	0.57	5.89	UD	5.89	51.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.11	0.76	UD	0.76	2.06	ug/m3
95-49-8	2-Chlorotoluene	1.10	5.70	UD	5.70	25.9	ug/m3
108-67-8	1,3,5-Trimethylbenzene	1.10	5.41	UD	5.41	24.6	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.78	3.83	UD	3.83	24.6	ug/m3
541-73-1	1,3-Dichlorobenzene	0.80	4.81	UD	4.81	30.1	ug/m3
106-46-7	1,4-Dichlorobenzene	0.53	3.19	UD	3.19	30.1	ug/m3
95-50-1	1,2-Dichlorobenzene	0.75	4.51	UD	4.51	30.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.85	6.31	UD	6.31	37.1	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.85	9.07	UD	9.07	53.3	ug/m3
106-99-0	1,3-Butadiene	1.30	2.88	UD	2.88	11.1	ug/m3
91-20-3	Naphthalene	0.75	3.93	UD	3.93	5.24	ug/m3
622-96-8	4-Ethyltoluene	1.20	5.90	UD	5.90	24.6	ug/m3
110-54-3	Hexane	1.10	3.88	UD	3.88	17.6	ug/m3
107-05-1	Allyl Chloride	1.50	4.70	UD	4.70	15.7	ug/m3
123-91-1	1,4-Dioxane	2.10	7.57	UD	7.57	18.0	ug/m3
80-62-6	Methyl Methacrylate	0.86	3.52	UD	3.52	20.5	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.60			70 (65) - 130 (135)	96%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	193000		2.8			
540-36-3	1,4-Difluorobenzene	501000		3.978			
3114-55-4	Chlorobenzene-d5	436000		8.901			

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-1-03312025-SPLITDL	SDG No.:	Q1725
Lab Sample ID:	Q1725-07DL	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
VL042241.D	10		04/07/25 20:19	VL040725

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\VL040725\
Data File : VL042241.D
Acq On : 07 Apr 2025 20:19
Operator : SY/MD
Sample : Q1725-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 08 01:35:14 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 :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	193361	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.978	114	501287	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.901	117	435889	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	342674	9.573	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.700%				
Target Compounds							Qvalue
9) Propene	1.492	41	2464	0.184	ppbv		96
13) Ethanol	1.729	45	24715	19.557	ppbv		88
15) Acetone	1.845	43	86496	3.199	ppbv		92
19) Isopropyl Alcohol	1.897	45	27725	1.817	ppbv	#	36
20) Methylene Chloride	2.072	84	2831	0.281	ppbv		97
29) Chloroform	2.862	83	10048	0.253	ppbv	#	79
34) 2-Butanone	2.573	43	5926	0.163	ppbv		99
52) Tetrachloroethene	8.251	164	1429m	0.073	ppbv		
53) Toluene	6.959	91	18223m	0.309	ppbv		
59) m/p-Xylene	9.548	91	15450m	0.250	ppbv		
60) o-Xylene	9.982	91	7313	0.118	ppbv		96

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

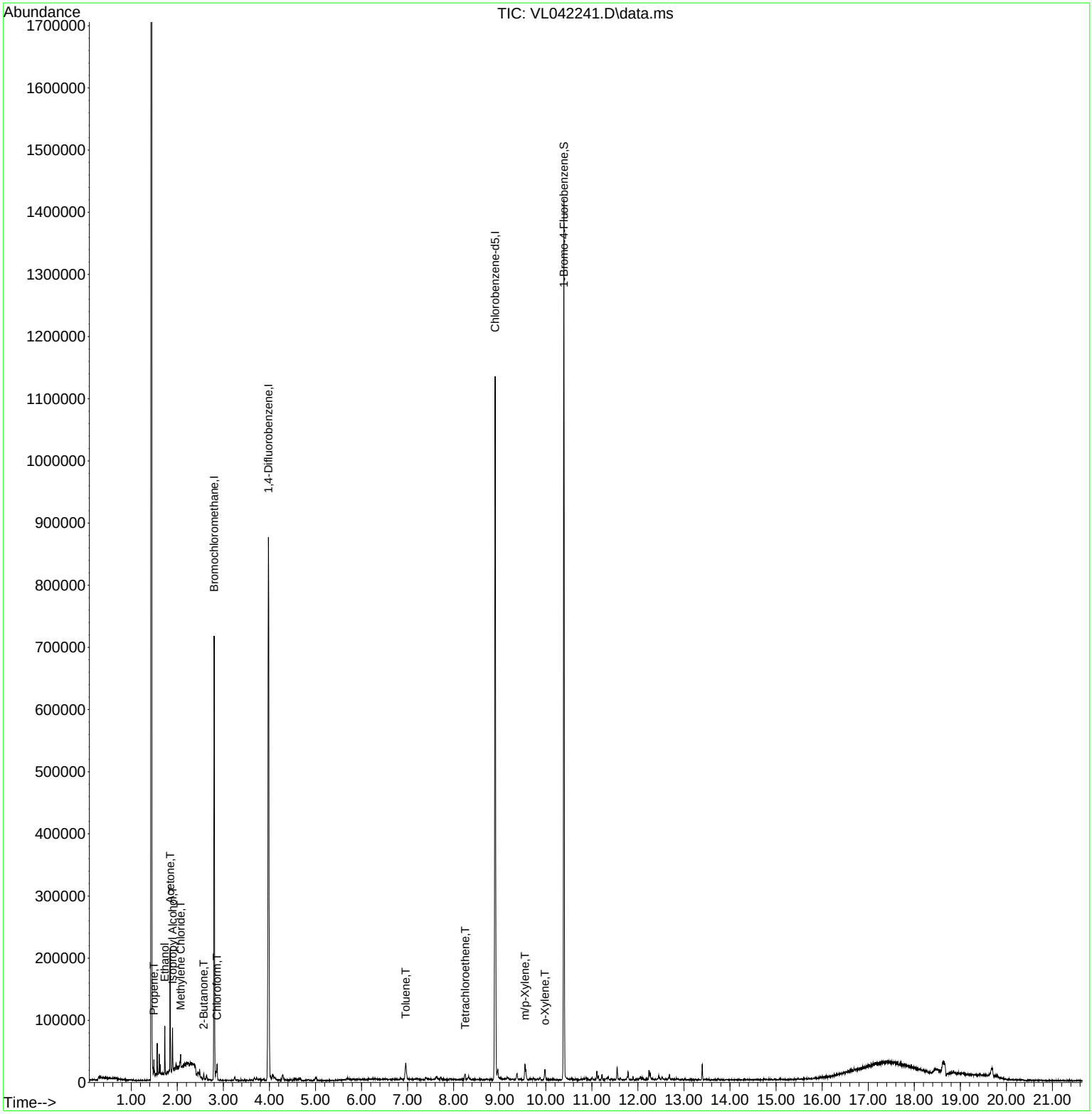
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042241.D
Acq On : 07 Apr 2025 20:19
Operator : SY/MD
Sample : Q1725-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

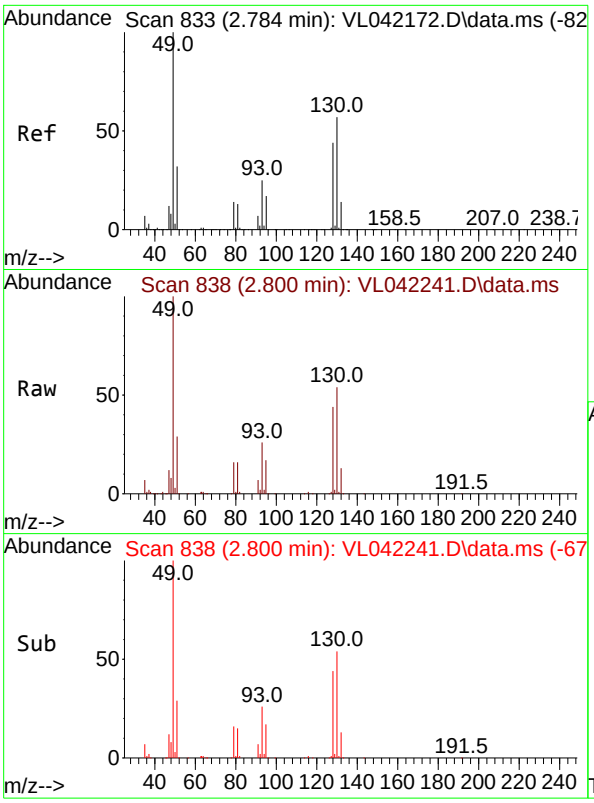
Quant Time: Apr 08 01:35:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

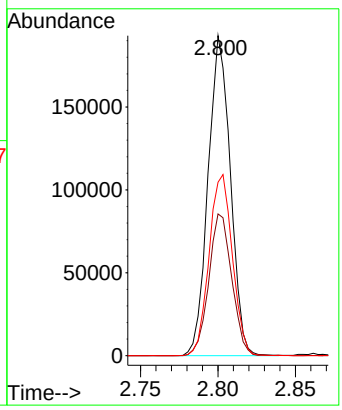
Tgt Ion: 49 Resp: 19336

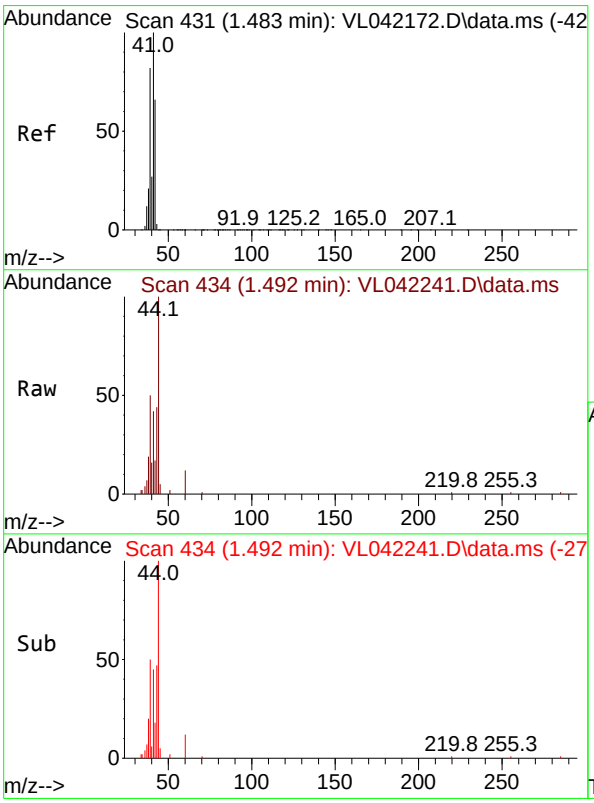
Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	59.2	28.8	86.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

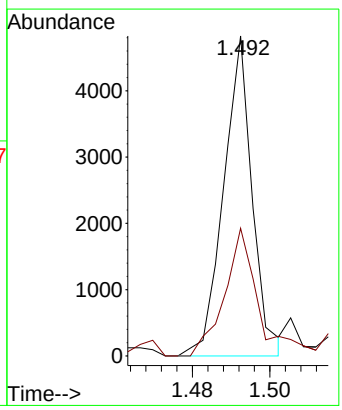


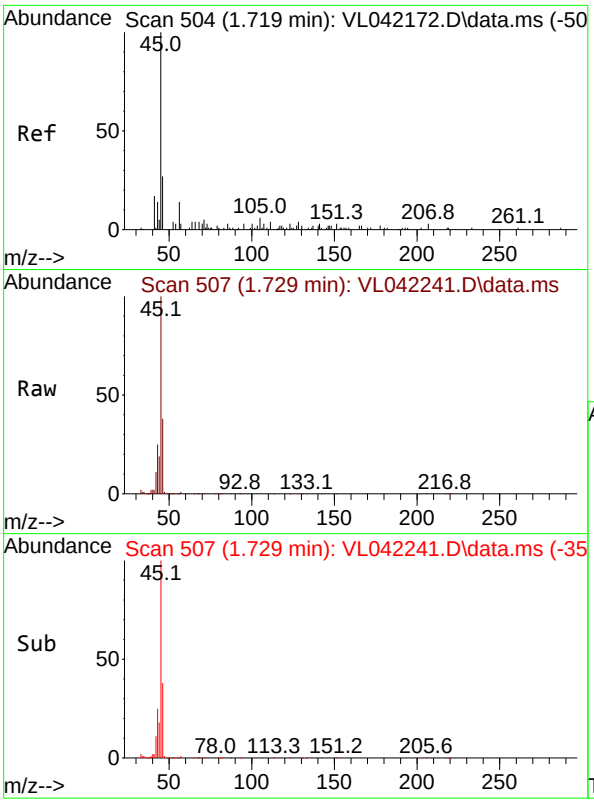


#9
Propene
Concen: 0.184 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 41 Resp: 2464

Ion	Ratio	Lower	Upper
41	100		
42	66.0	55.4	83.2

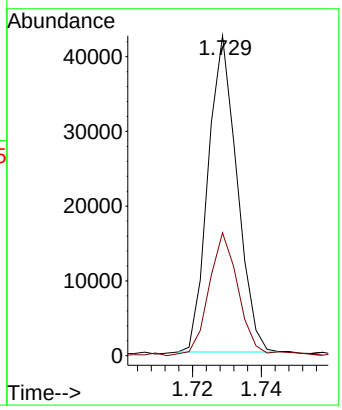




#13
Ethanol
Concen: 19.557 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 45 Resp: 2471

Ion	Ratio	Lower	Upper
45	100		
46	42.1	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations
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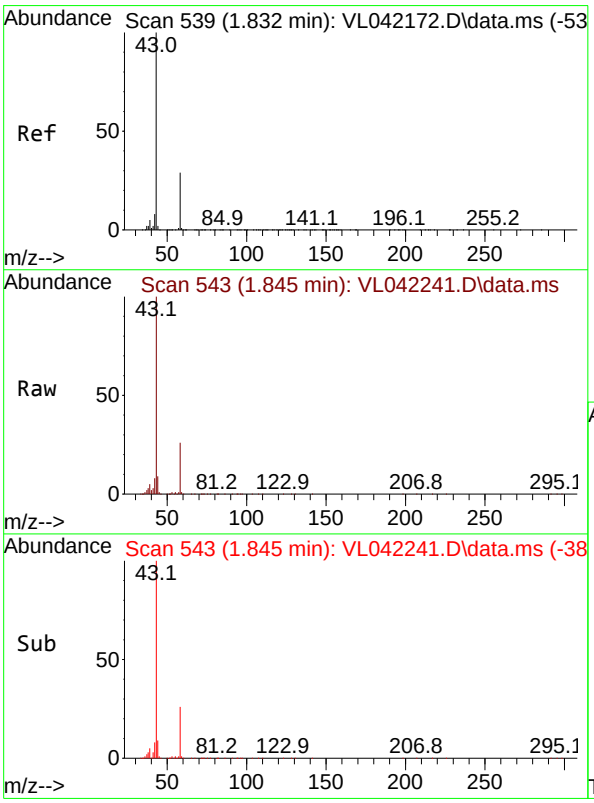
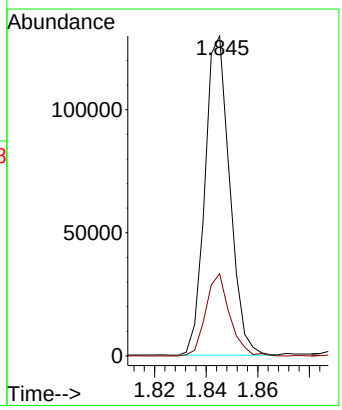
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

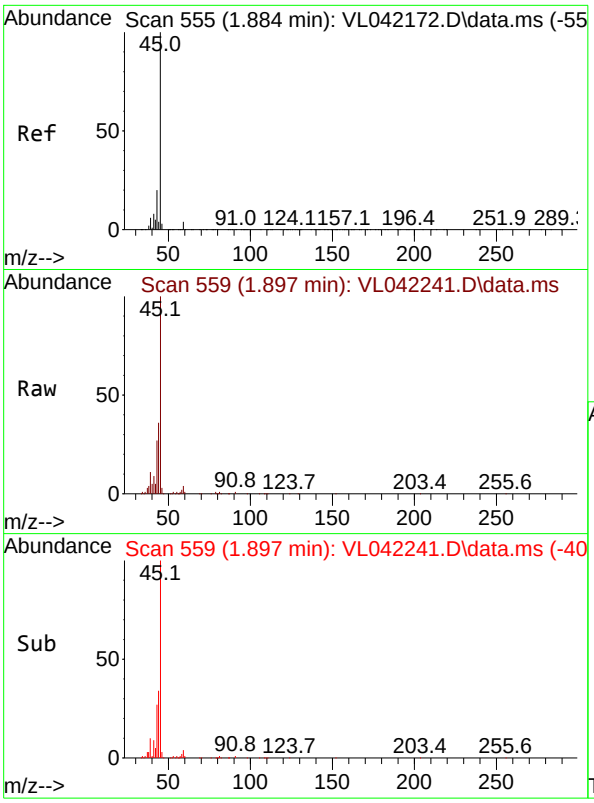


#15
Acetone
Concen: 3.199 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 43 Resp: 86496

Ion	Ratio	Lower	Upper
43	100		
58	24.9	23.2	34.8





#19
Isopropyl Alcohol
Concen: 1.817 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 45 Resp: 2772

Ion	Ratio	Lower	Upper
45	100		
58	3.6	36.9	55.3#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
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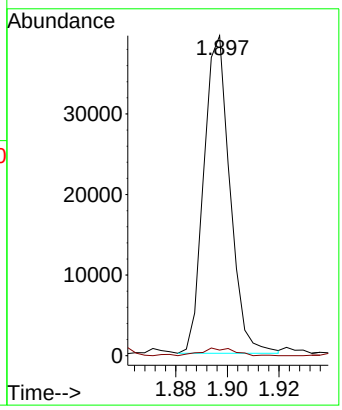
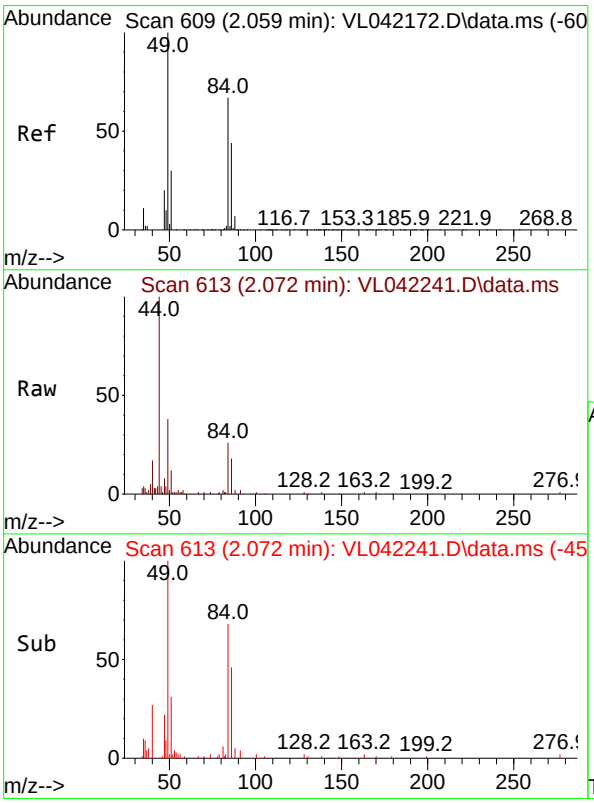
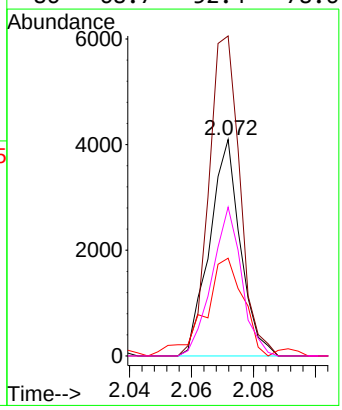


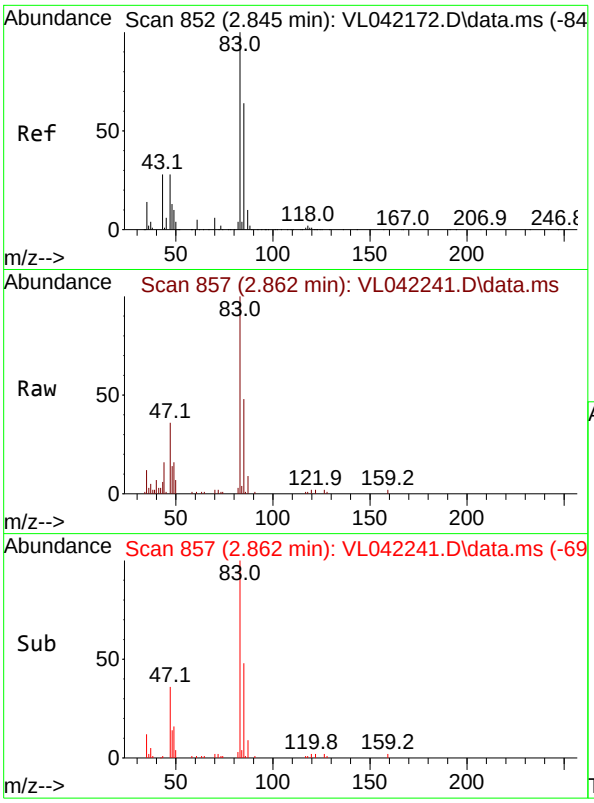


#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 84 Resp: 2831

Ion	Ratio	Lower	Upper
84	100		
49	147.8	120.2	180.4
51	42.5	37.4	56.0
86	68.7	52.4	78.6





#29
Chloroform
Concen: 0.253 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

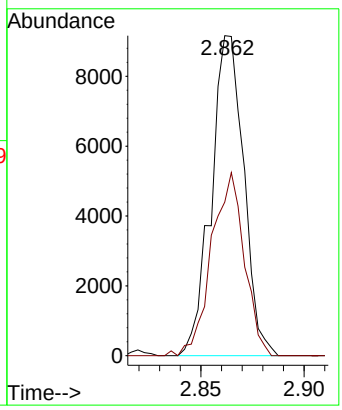
Tgt Ion: 83 Resp: 1004

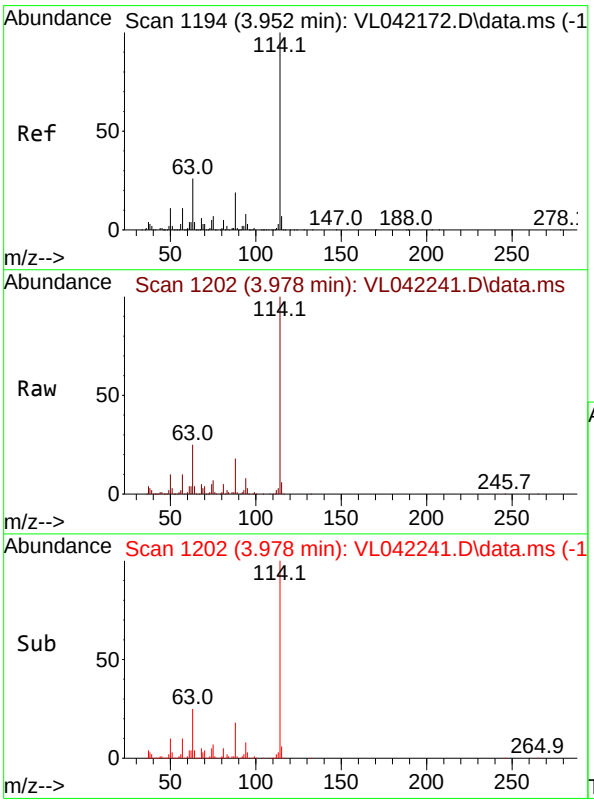
Ion	Ratio	Lower	Upper
83	100		
85	48.0	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

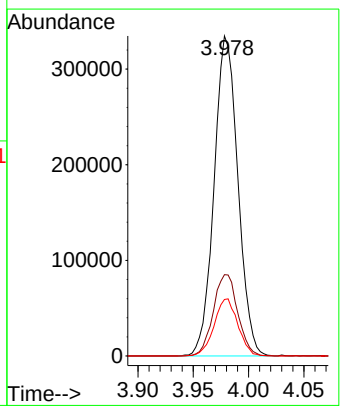


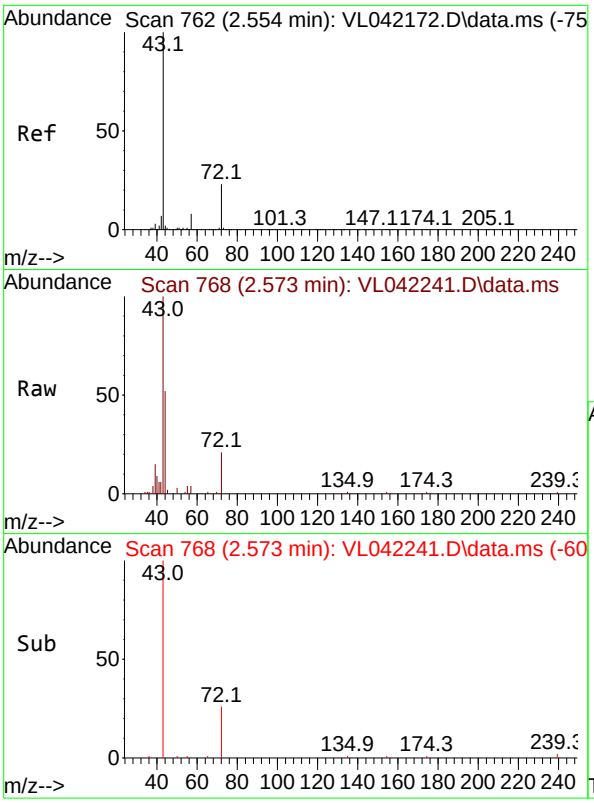


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.026 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion:114 Resp: 501287

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	17.8	15.0	22.4

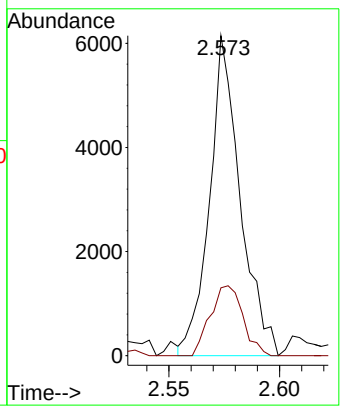




#34
2-Butanone
Concen: 0.163 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 43 Resp: 592

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.2	27.2



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations
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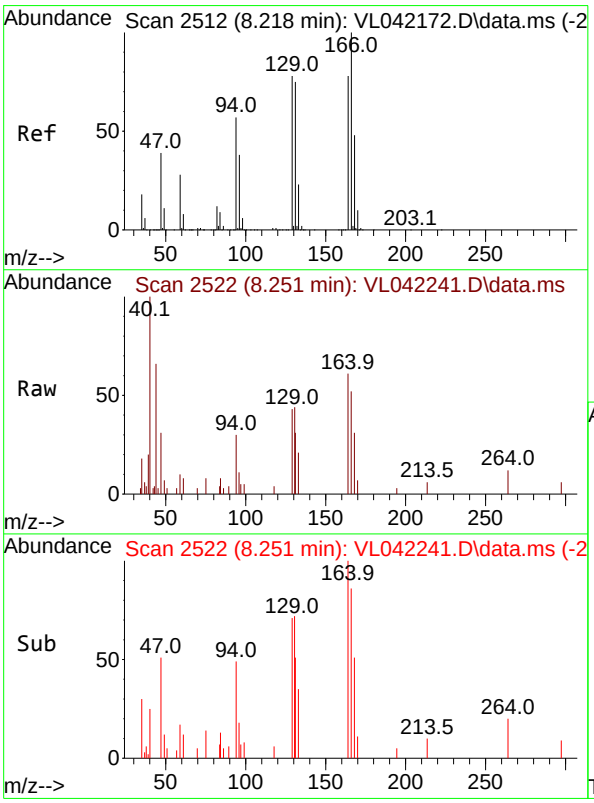
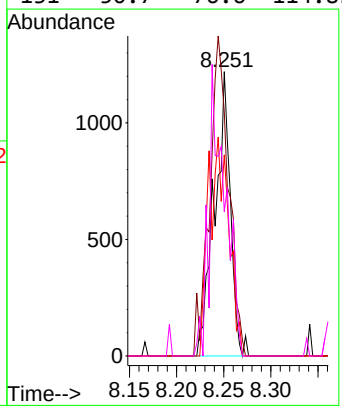
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

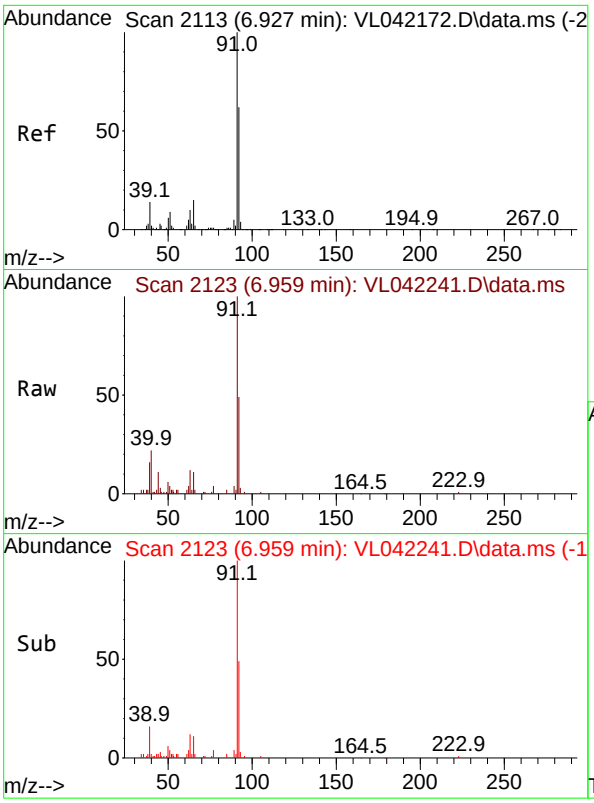


#52
Tetrachloroethene
Concen: 0.073 ppbv m
RT: 8.251 min Scan# 2522
Delta R.T. 0.032 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion:164 Resp: 1429

Ion	Ratio	Lower	Upper
164	100		
166	85.9	102.5	153.7#
129	70.7	79.8	119.8#
131	50.7	76.6	114.8#





#53
Toluene
Concen: 0.309 ppbv m
RT: 6.959 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

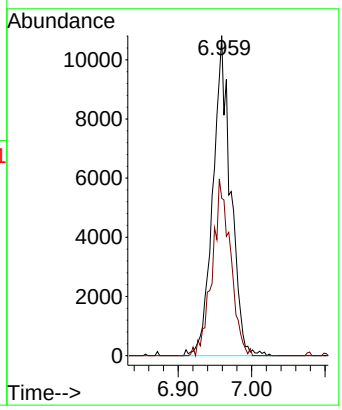
Tgt Ion: 91 Resp: 1822

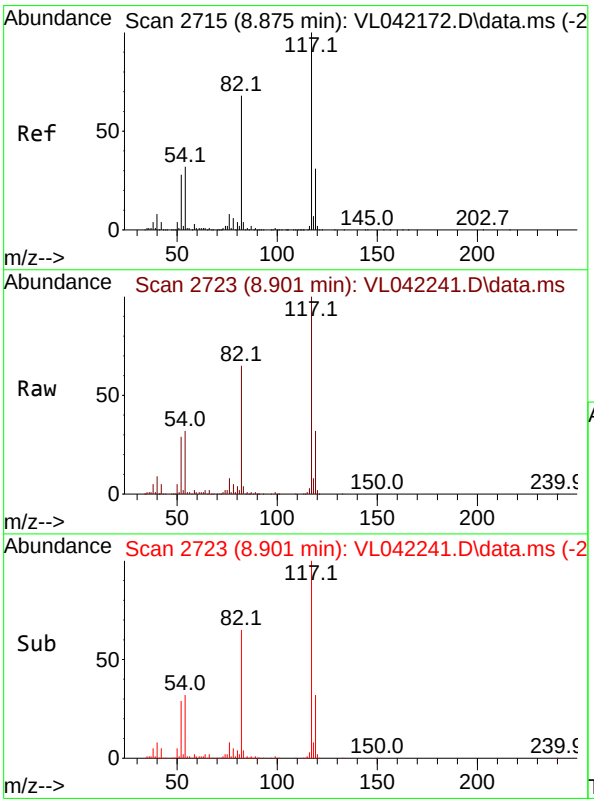
Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

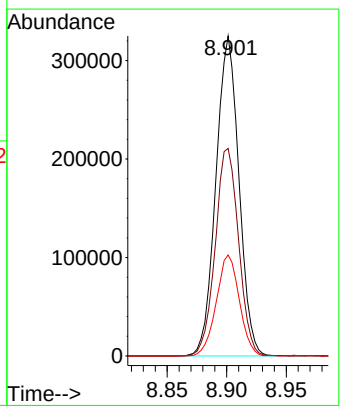


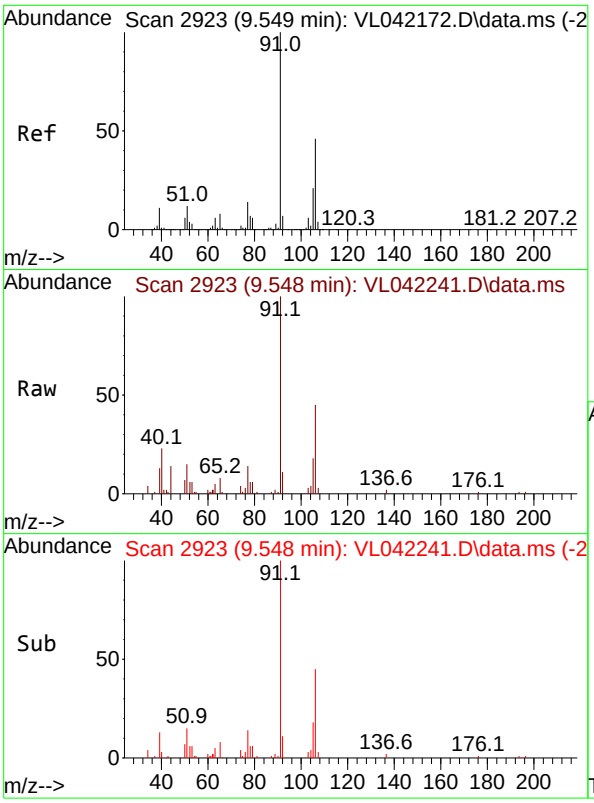


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.026 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion:117 Resp: 435889

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.6	25.5	38.3





#59
m/p-Xylene
Concen: 0.250 ppbv m
RT: 9.548 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 91 Resp: 1545

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

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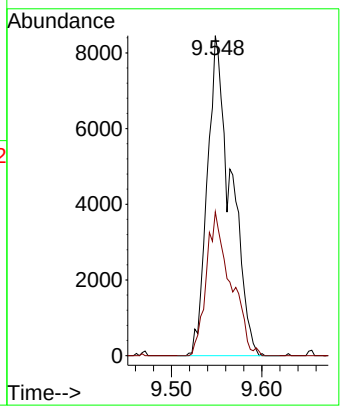
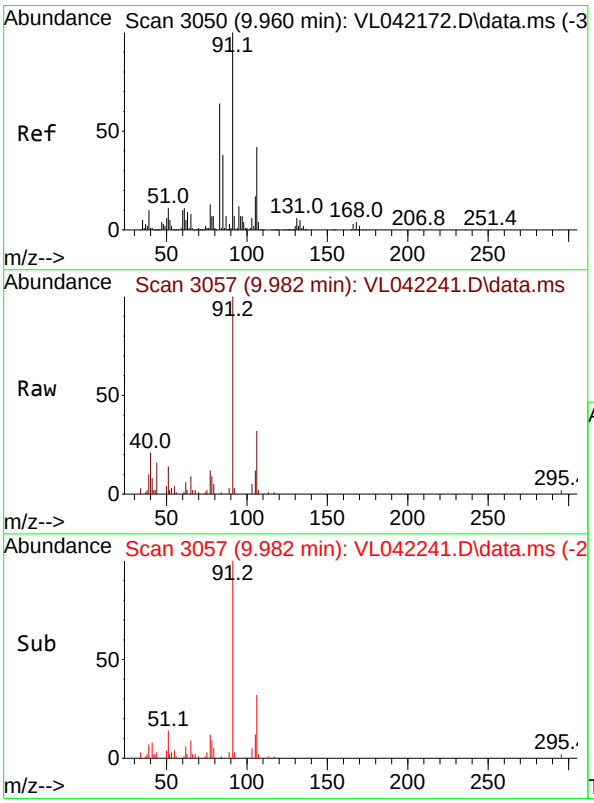
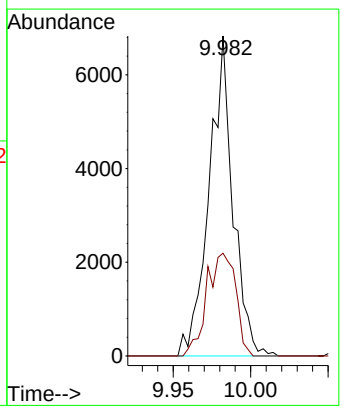


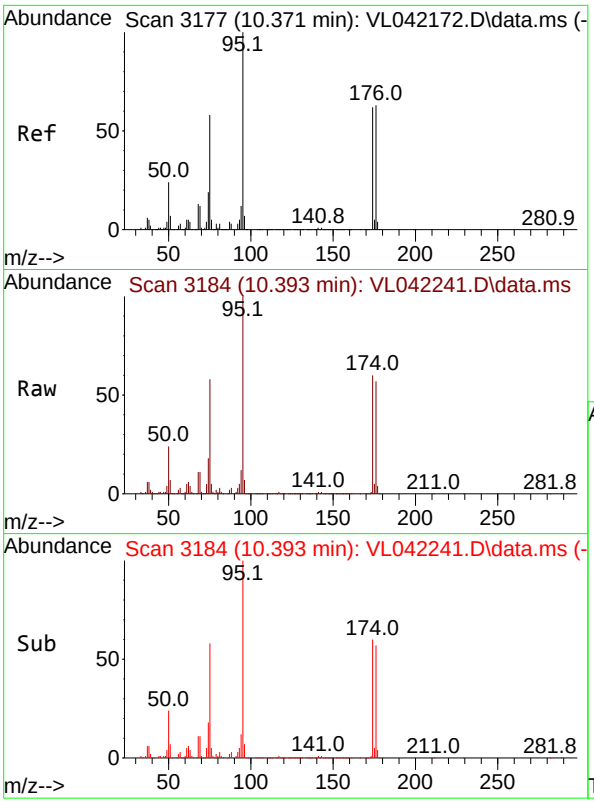


#60
o-Xylene
Concen: 0.118 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 91 Resp: 7313

Ion	Ratio	Lower	Upper
91	100		
106	39.0	20.8	62.5

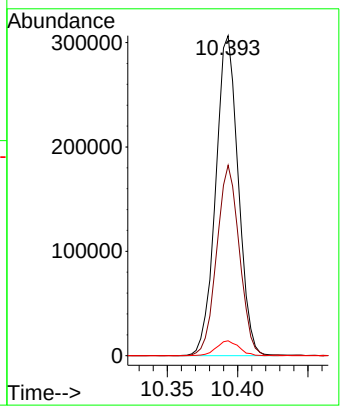




#68
1-Bromo-4-Fluorobenzene
Concen: 9.573 ppbv
RT: 10.393 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 95 Resp: 34267

Ion	Ratio	Lower	Upper
95	100		
174	59.7	50.6	76.0
175	4.7	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-2-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-08	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
VL042250.D	4		04/08/25 01:17	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.84	4.15	U	4.15	9.89	ug/m3
74-87-3	Chloromethane	0.45	0.93	J	0.81	4.13	ug/m3
75-01-4	Vinyl Chloride	0.060	0.15	U	0.15	0.31	ug/m3
74-83-9	Bromomethane	0.56	2.17	U	2.17	7.77	ug/m3
75-00-3	Chloroethane	0.68	1.79	U	1.79	5.28	ug/m3
109-99-9	Tetrahydrofuran	0.52	1.53	U	1.53	5.90	ug/m3
75-69-4	Trichlorofluoromethane	0.64	3.60	U	3.60	11.2	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.64	4.91	U	4.91	15.3	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.35	2.45	U	2.45	14.0	ug/m3
75-65-0	tert-Butyl alcohol	1.20	3.64	J	2.30	6.06	ug/m3
142-82-5	Heptane	0.44	1.80	U	1.80	8.20	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	U	2.22	7.93	ug/m3
67-64-1	Acetone	140	333	E	2.28	4.75	ug/m3
75-15-0	Carbon Disulfide	0.64	1.99	U	1.99	6.23	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.48	1.73	U	1.73	7.21	ug/m3
75-09-2	Methylene Chloride	0.96	3.34	J	2.64	6.95	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.76	3.01	U	3.01	7.93	ug/m3
75-34-3	1,1-Dichloroethane	0.52	2.10	U	2.10	8.09	ug/m3
110-82-7	Cyclohexane	0.88	3.03	U	3.03	6.88	ug/m3
78-93-3	2-Butanone	21.9	64.6		1.42	5.90	ug/m3
56-23-5	Carbon Tetrachloride	0.040	0.25	U	0.25	0.75	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	U	1.43	7.93	ug/m3
67-66-3	Chloroform	1.50	7.33	J	1.61	9.77	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	U	0.22	0.65	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.40	1.87	U	1.87	9.34	ug/m3
71-43-2	Benzene	0.46	1.47	J	1.12	6.39	ug/m3
107-06-2	1,2-Dichloroethane	0.36	1.46	U	1.46	8.09	ug/m3
79-01-6	Trichloroethene	0.070	0.38	U	0.38	0.64	ug/m3
78-87-5	1,2-Dichloropropane	0.44	2.03	U	2.03	9.24	ug/m3
75-27-4	Bromodichloromethane	0.31	2.08	U	2.08	13.4	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.37	1.52	U	1.52	8.20	ug/m3
108-88-3	Toluene	1.80	6.78	J	1.66	7.54	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.24	1.09	U	1.09	9.08	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.26	1.18	U	1.18	9.08	ug/m3
79-00-5	1,1,2-Trichloroethane	0.28	1.53	U	1.53	10.9	ug/m3

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

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-2-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-08	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
VL042250.D	4		04/08/25 01:17	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.26	2.22	U	2.22	17.0	ug/m3
106-93-4	1,2-Dibromoethane	0.29	2.23	U	2.23	3.07	ug/m3
127-18-4	Tetrachloroethene	3.10	21.0		0.41	0.81	ug/m3
108-90-7	Chlorobenzene	0.30	1.38	U	1.38	9.21	ug/m3
100-41-4	Ethyl Benzene	0.52	2.26	J	2.08	8.69	ug/m3
179601-23-1	m/p-Xylene	1.90	8.25	J	3.65	17.4	ug/m3
95-47-6	o-Xylene	0.83	3.61	J	2.08	8.69	ug/m3
100-42-5	Styrene	0.44	1.87	U	1.87	8.52	ug/m3
75-25-2	Bromoform	0.23	2.38	U	2.38	20.7	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	0.27	0.82	ug/m3
95-49-8	2-Chlorotoluene	0.44	2.28	U	2.28	10.4	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.44	2.16	U	2.16	9.83	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.68	3.34	J	1.52	9.83	ug/m3
541-73-1	1,3-Dichlorobenzene	0.32	1.92	U	1.92	12.0	ug/m3
106-46-7	1,4-Dichlorobenzene	0.21	1.26	U	1.26	12.0	ug/m3
95-50-1	1,2-Dichlorobenzene	0.30	1.80	U	1.80	12.0	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.34	2.52	U	2.52	14.8	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.34	3.63	U	3.63	21.3	ug/m3
106-99-0	1,3-Butadiene	0.52	1.15	U	1.15	4.42	ug/m3
91-20-3	Naphthalene	0.30	1.57	U	1.57	2.10	ug/m3
622-96-8	4-Ethyltoluene	0.48	2.36	U	2.36	9.83	ug/m3
110-54-3	Hexane	0.51	1.80	J	1.55	7.05	ug/m3
107-05-1	Allyl Chloride	0.60	1.88	U	1.88	6.26	ug/m3
123-91-1	1,4-Dioxane	0.84	3.03	U	3.03	7.21	ug/m3
80-62-6	Methyl Methacrylate	0.34	1.39	U	1.39	8.19	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.80			70 (65) - 130 (135)	98%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	203000		2.8			
540-36-3	1,4-Difluorobenzene	516000		3.981			
3114-55-4	Chlorobenzene-d5	442000		8.904			
TENTITIVE IDENTIFIED COMPOUNDS							
115-07-1	Propene	7.50		J		1.49	ppbv
64-17-5	Ethanol	3200		J		1.73	ppbv
67-63-0	Isopropyl Alcohol	400		J		1.89	ppbv

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-2-03312025	SDG No.:	Q1725
Lab Sample ID:	Q1725-08	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
VL042250.D	4		04/08/25 01:17	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
007452-79-1	Butanoic acid, 2-methyl-, ethyl es	29.6		J		9.17	ppbv
005989-27-5	D-Limonene	33.8		J		12.1	ppbv

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\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Quant Time: Apr 08 04:48:43 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	202914	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	515559	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	442488	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.396	95	355772	9.791	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	3378	0.113	ppbv	#	85
4) Chloromethane	1.538	50	1373	0.112	ppbv		93
9) Propene	1.492	41	26269m	1.873	ppbv		
13) Ethanol	1.729	45	1061779	800.643	ppbv		86
15) Acetone	1.842	43	997970	35.166	ppbv		98
17) tert-Butyl alcohol	2.052	59	10189m	0.288	ppbv		
19) Isopropyl Alcohol	1.894	45	1615569	100.898	ppbv	#	32
20) Methylene Chloride	2.072	84	2531	0.239	ppbv		97
26) Hexane	2.842	57	3600	0.127	ppbv	#	35
29) Chloroform	2.861	83	15997	0.384	ppbv		90
34) 2-Butanone	2.570	43	204814	5.479	ppbv		98
36) Benzene	3.680	78	5830m	0.114	ppbv		
52) Tetrachloroethene	8.247	164	15893	0.784	ppbv		96
53) Toluene	6.965	91	27648m	0.456	ppbv		
58) Ethyl Benzene	9.374	91	10176m	0.129	ppbv		
59) m/p-Xylene	9.555	91	29838	0.475	ppbv		95
60) o-Xylene	9.979	91	13109	0.208	ppbv		98
74) 1,2,4-Trimethylbenzene	11.552	105	13306	0.169	ppbv	#	67

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

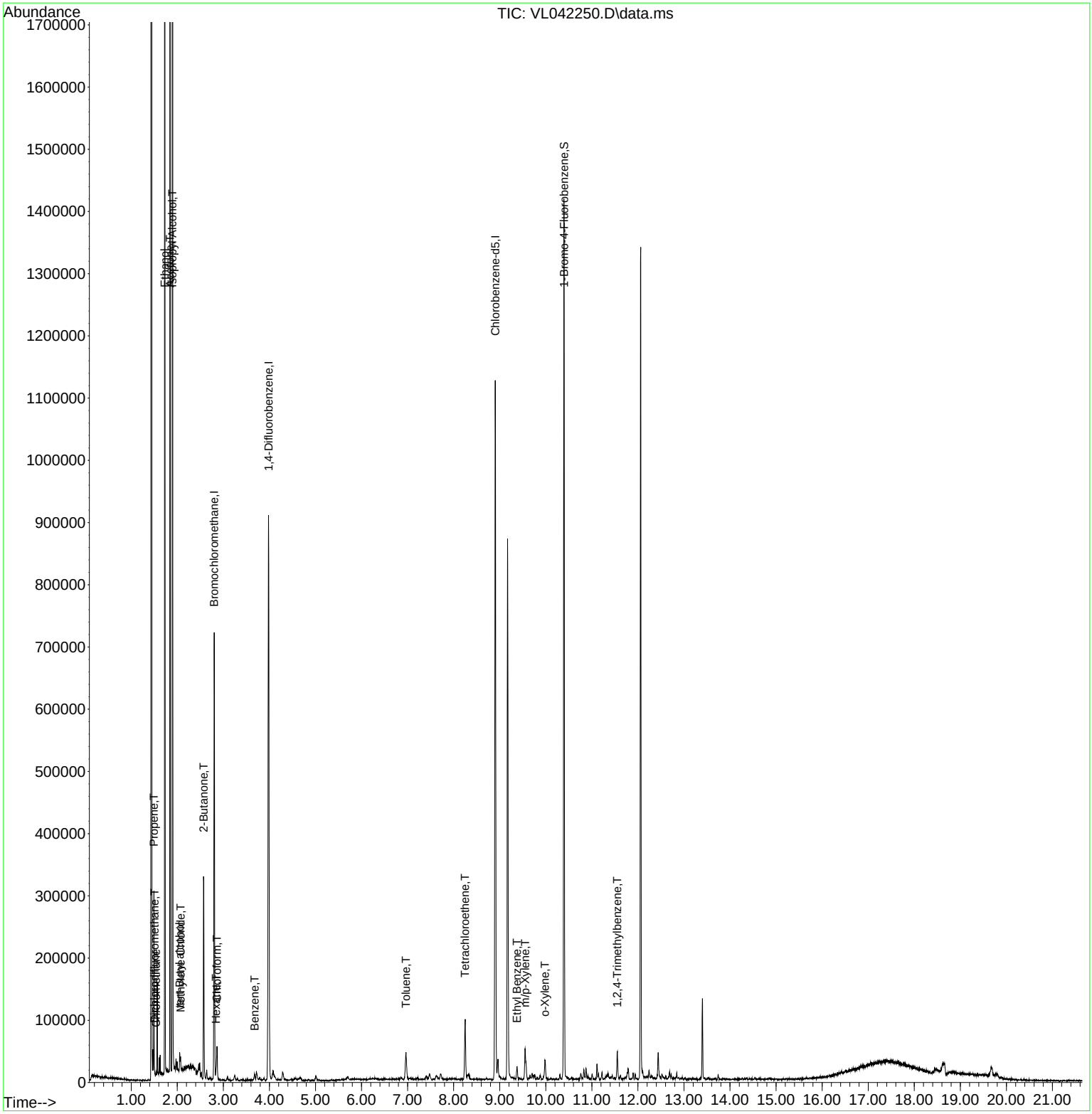
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

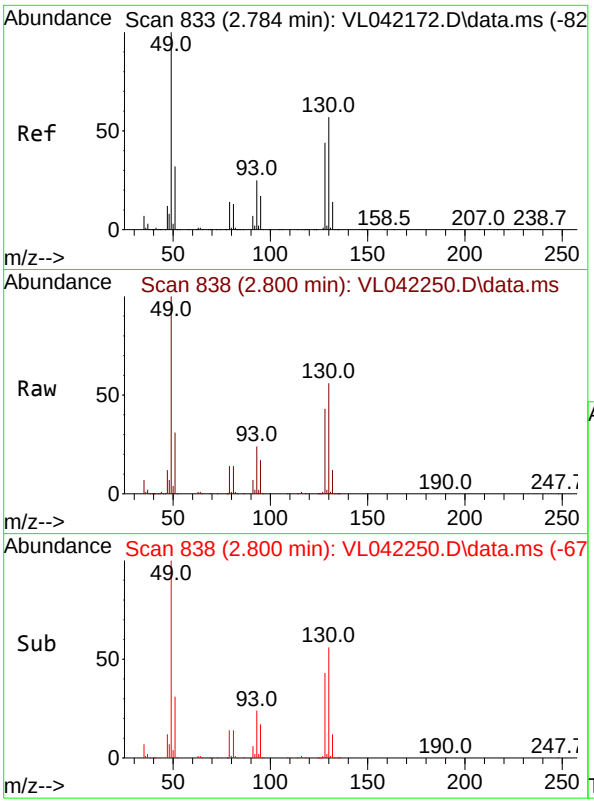
Quant Time: Apr 08 04:48:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

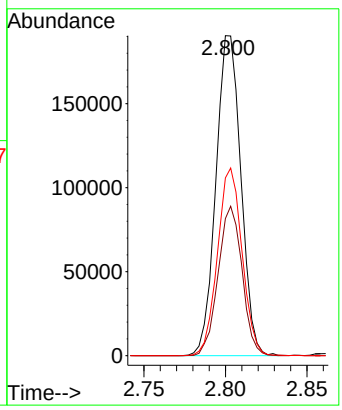




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 49 Resp: 20291

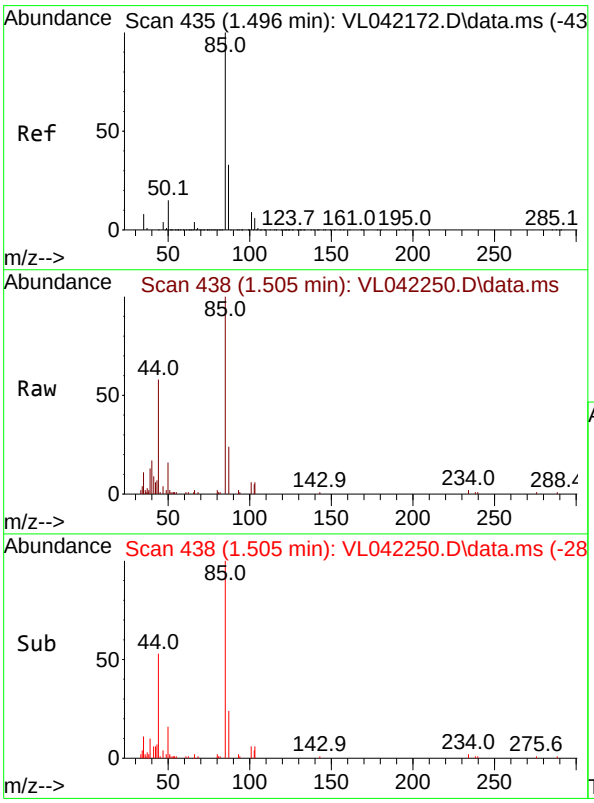
Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.9	68.5
130	57.7	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

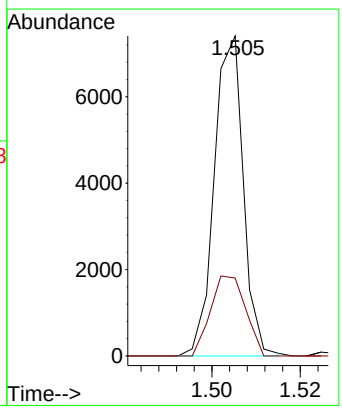
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

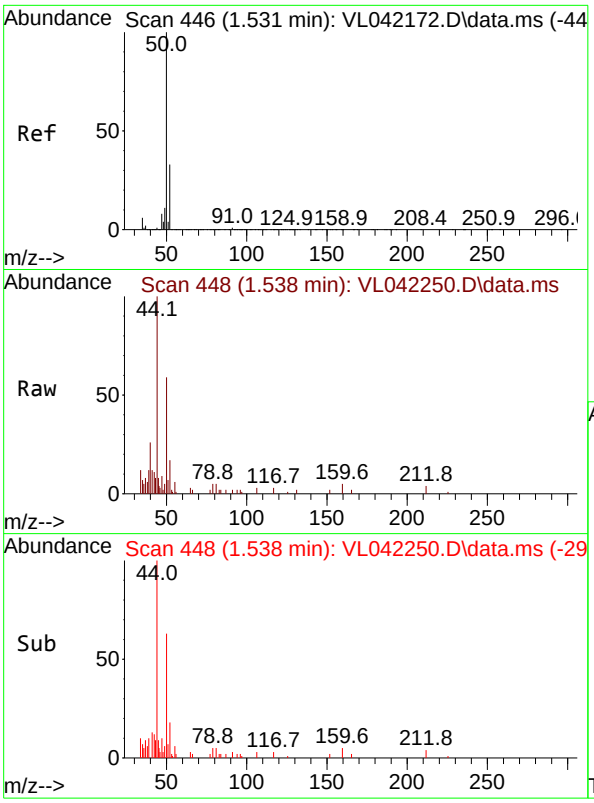


#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 85 Resp: 3378

Ion	Ratio	Lower	Upper
85	100		
87	24.4	26.1	39.1#

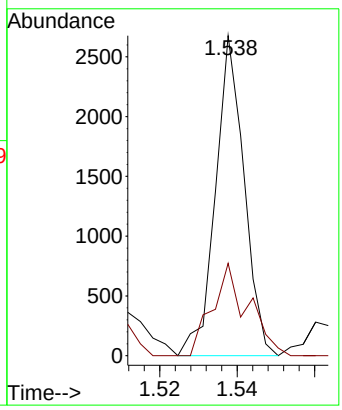




#4
Chloromethane
Concen: 0.112 ppbv
RT: 1.538 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 50 Resp: 137

Ion	Ratio	Lower	Upper
50	100		
52	28.8	26.1	39.1



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
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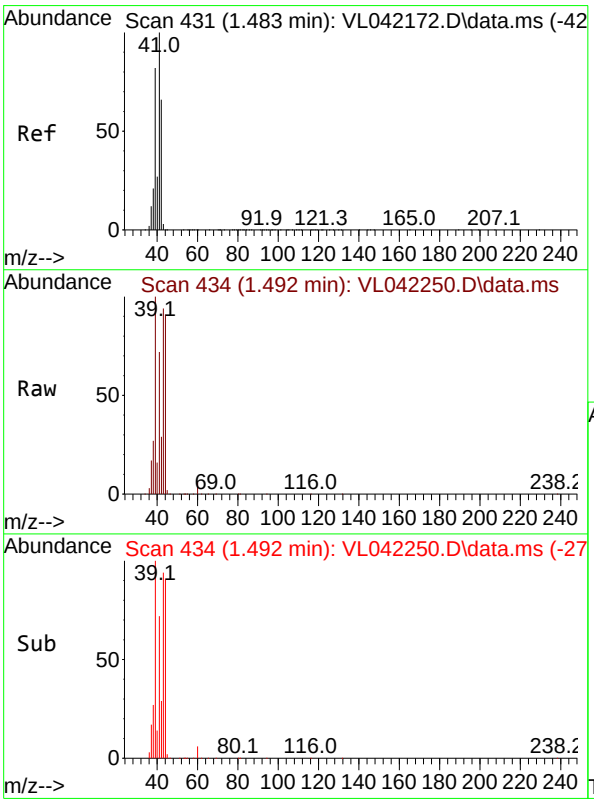
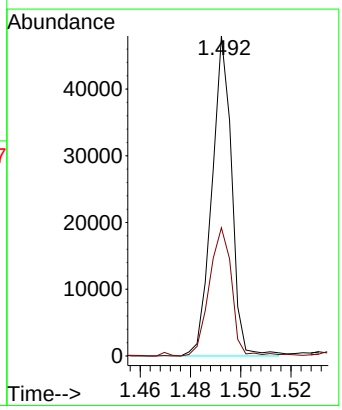
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

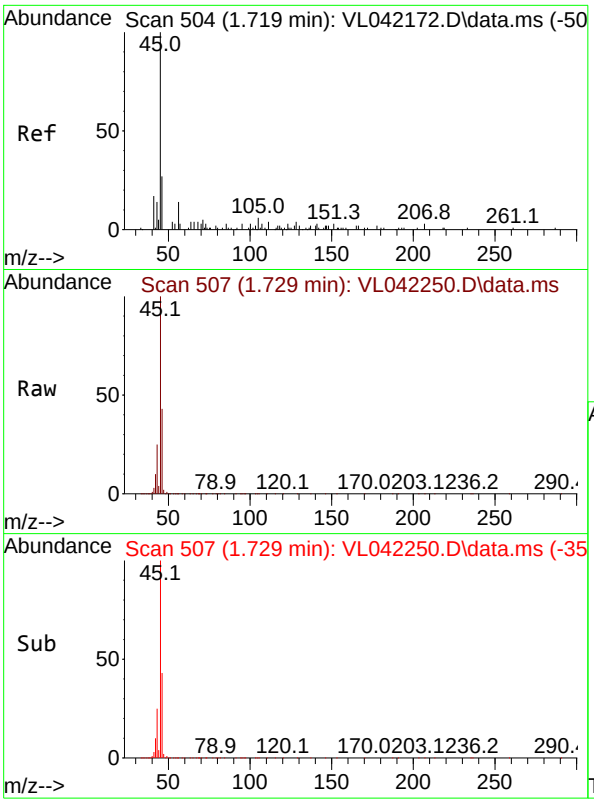


#9
Propene
Concen: 1.873 ppbv m
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 41 Resp: 26269

Ion	Ratio	Lower	Upper
41	100		
42	410.7	55.4	83.2#

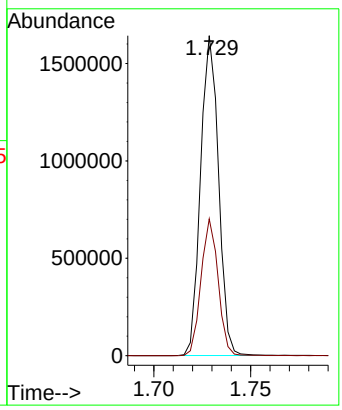




#13
Ethanol
Concen: 800.643 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 45 Resp: 106177

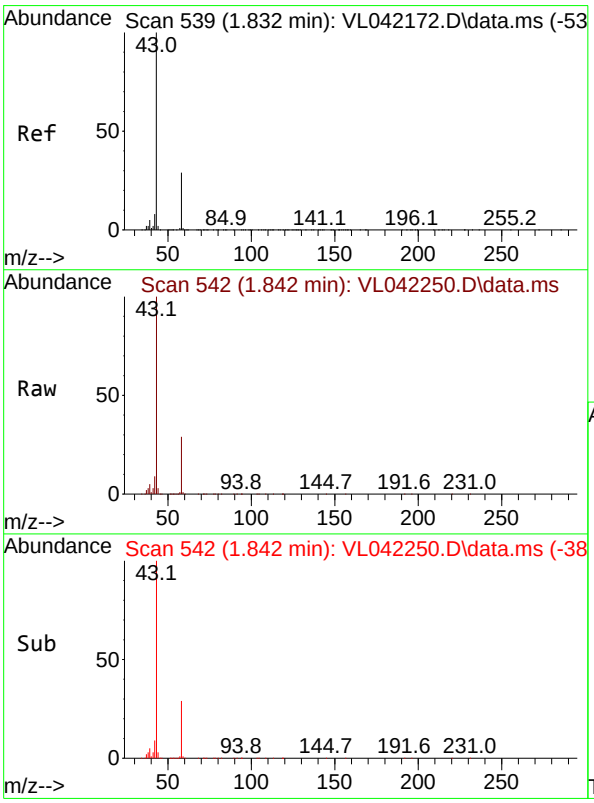
Ion	Ratio	Lower	Upper
45	100		
46	40.7	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

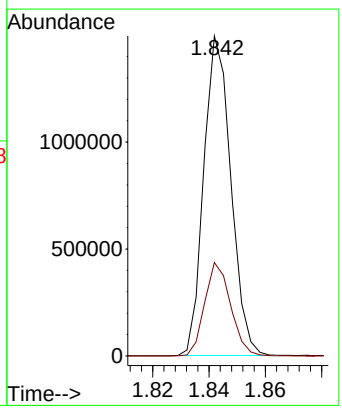
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

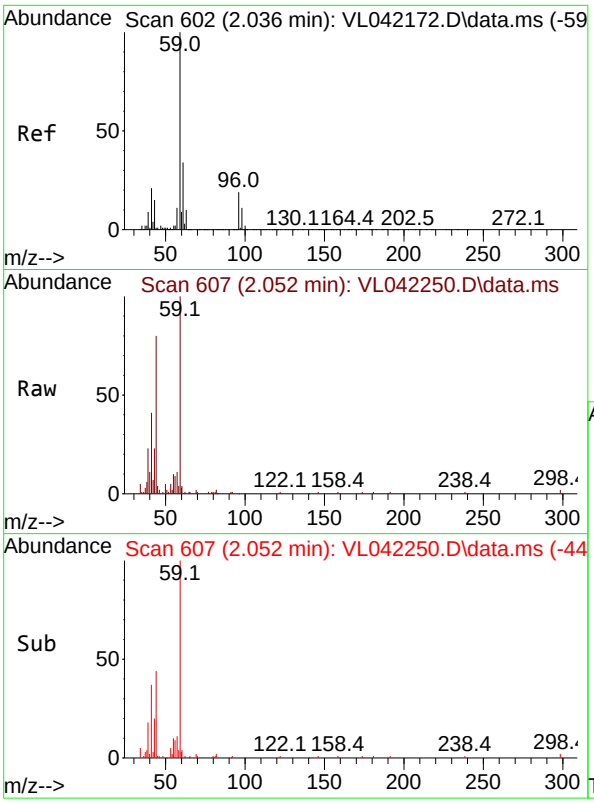


#15
Acetone
Concen: 35.166 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 43 Resp: 997970

Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.2	34.8





#17
tert-Butyl alcohol
Concen: 0.288 ppbv m
RT: 2.052 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

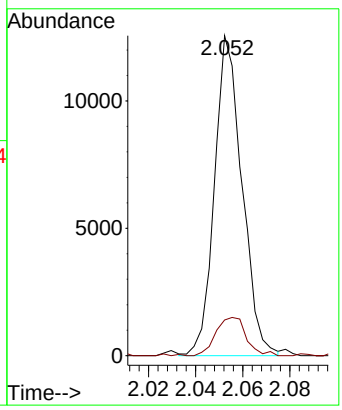
Tgt Ion: 59 Resp: 1018

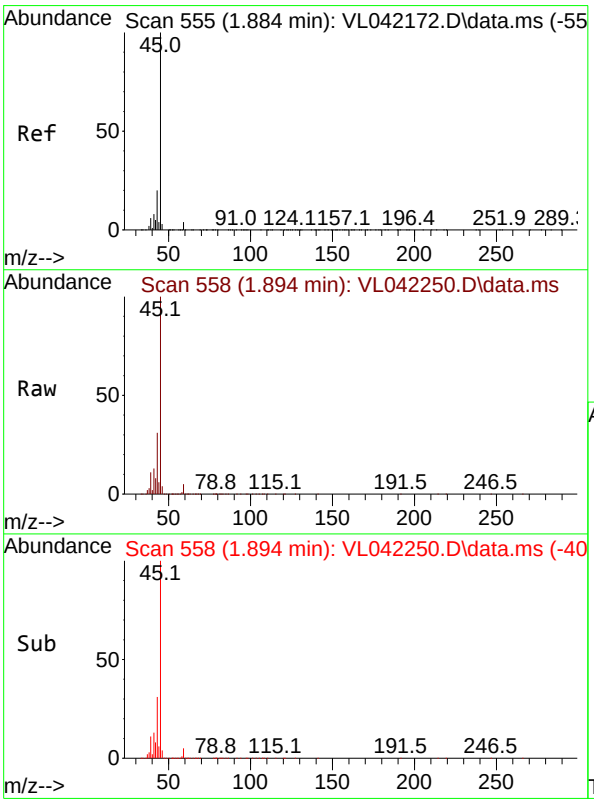
Ion	Ratio	Lower	Upper
59	100		
57	66.7	8.9	13.3#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

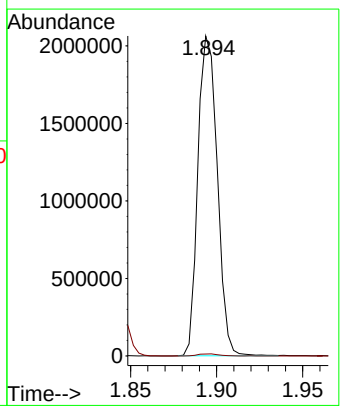


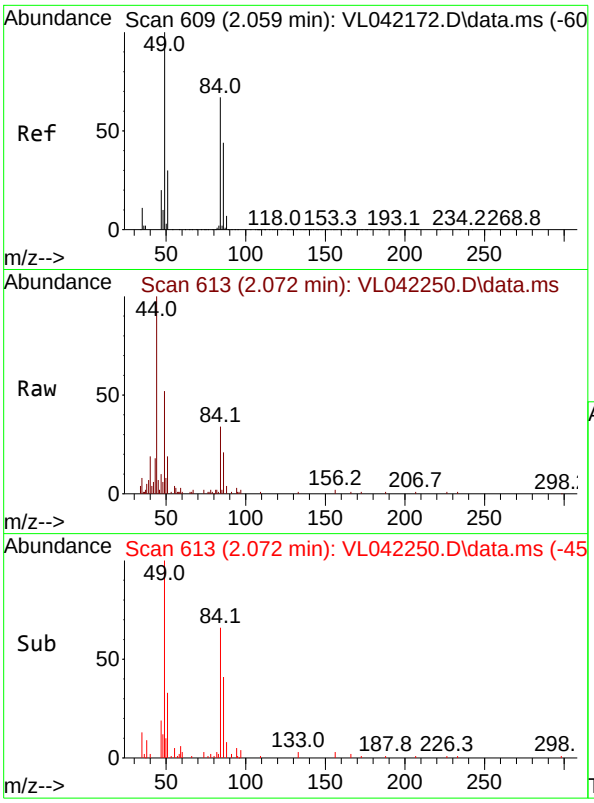


#19
Isopropyl Alcohol
Concen: 100.898 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.009 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 45 Resp: 1615569

Ion	Ratio	Lower	Upper
45	100		
58	0.8	36.9	55.3#

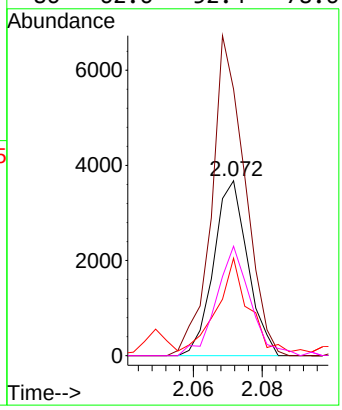




#20
Methylene Chloride
Concen: 0.239 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 84 Resp: 253

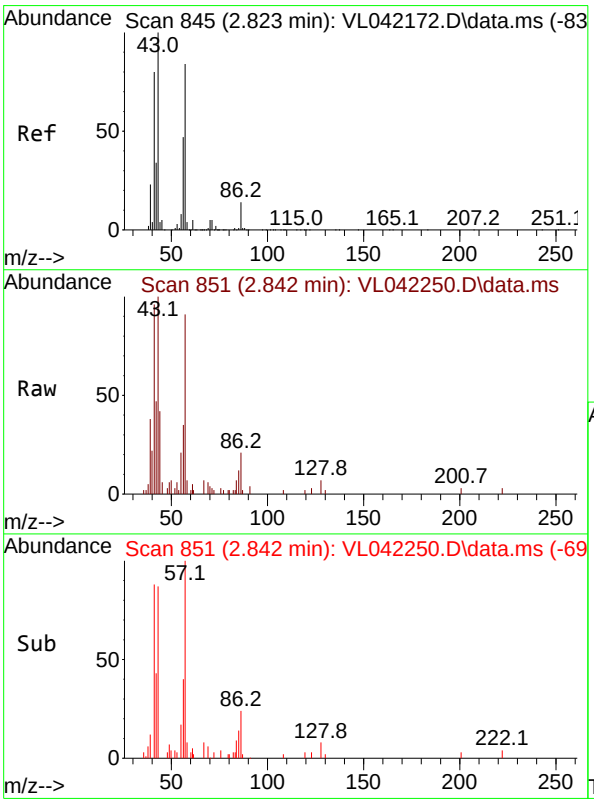
Ion	Ratio	Lower	Upper
84	100		
49	149.9	120.2	180.4
51	53.1	37.4	56.0
86	62.6	52.4	78.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

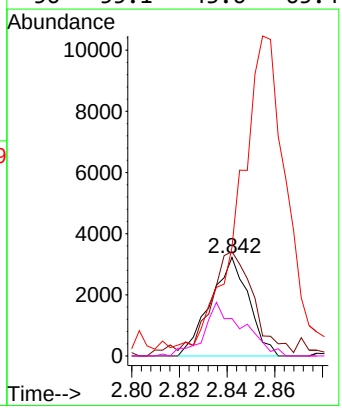
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

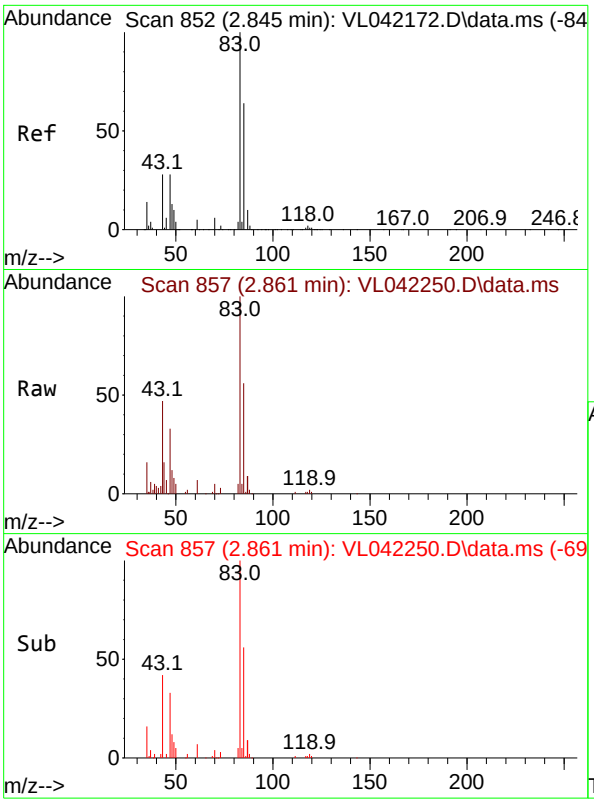


#26
Hexane
Concen: 0.127 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 57 Resp: 3600

Ion	Ratio	Lower	Upper
57	100		
41	134.7	76.6	114.8#
43	415.9	207.8	311.8#
56	55.1	43.6	65.4





#29
Chloroform
Concen: 0.384 ppbv
RT: 2.861 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

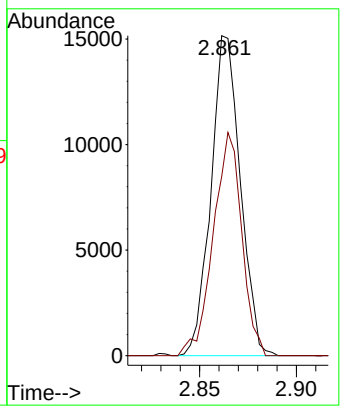
Tgt Ion: 83 Resp: 1599

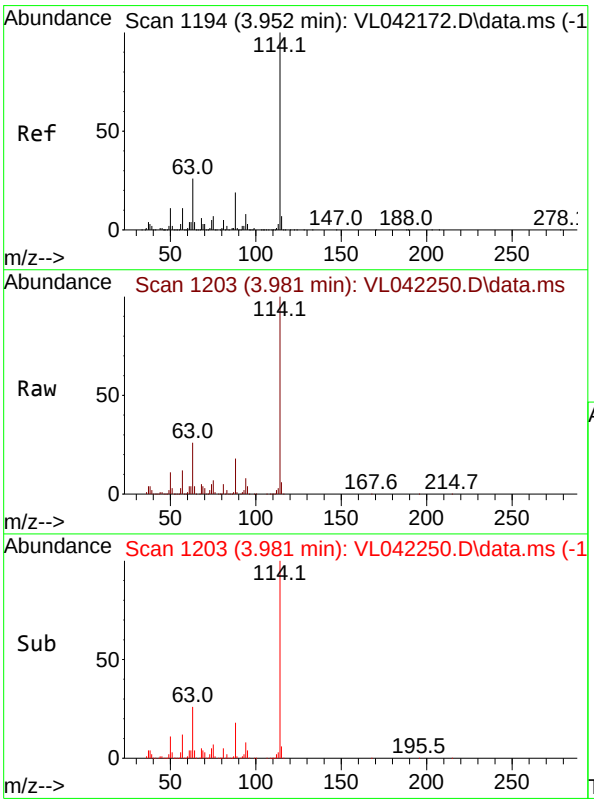
Ion	Ratio	Lower	Upper
83	100		
85	56.1	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

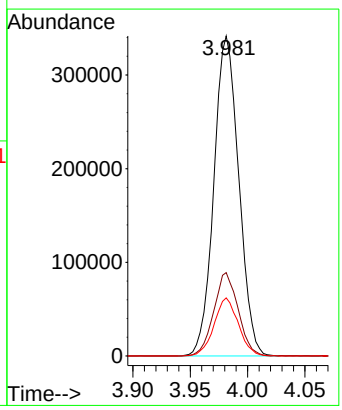


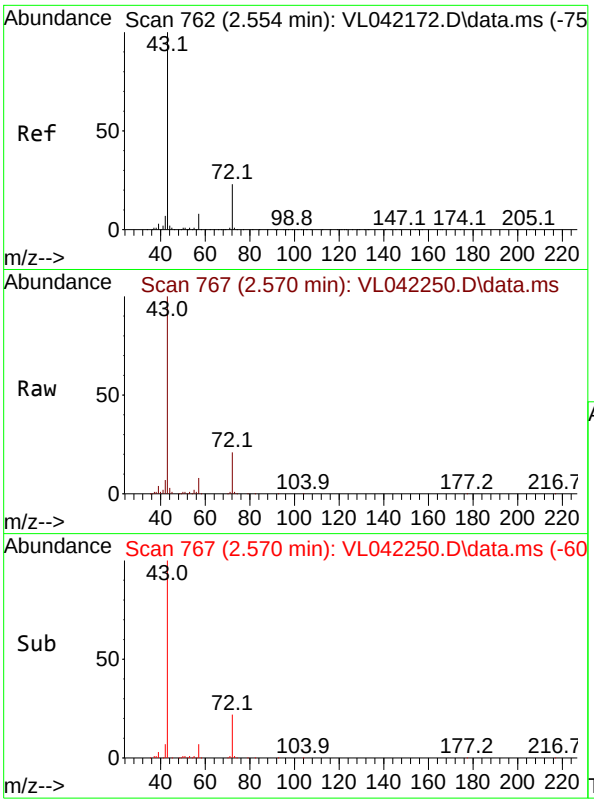


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:114 Resp: 515559

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	17.7	15.0	22.4

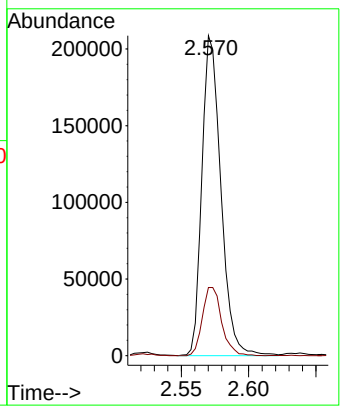




#34
2-Butanone
Concen: 5.479 ppbv
RT: 2.570 min Scan# 7
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 43 Resp: 20481

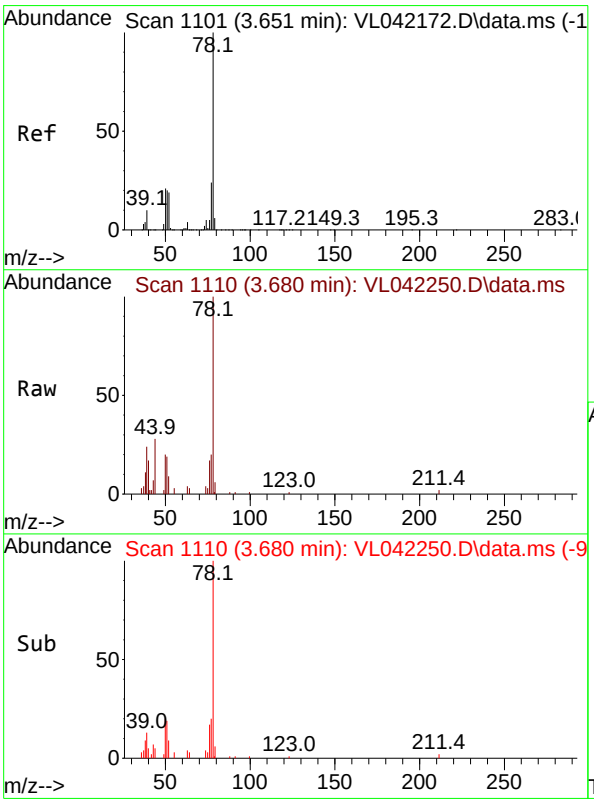
Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.2	27.2



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

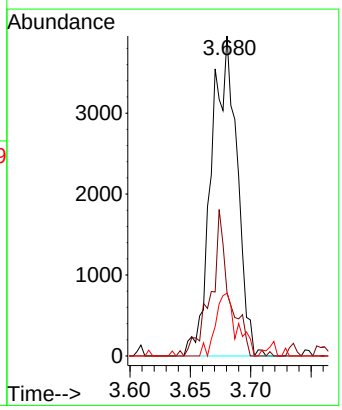
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

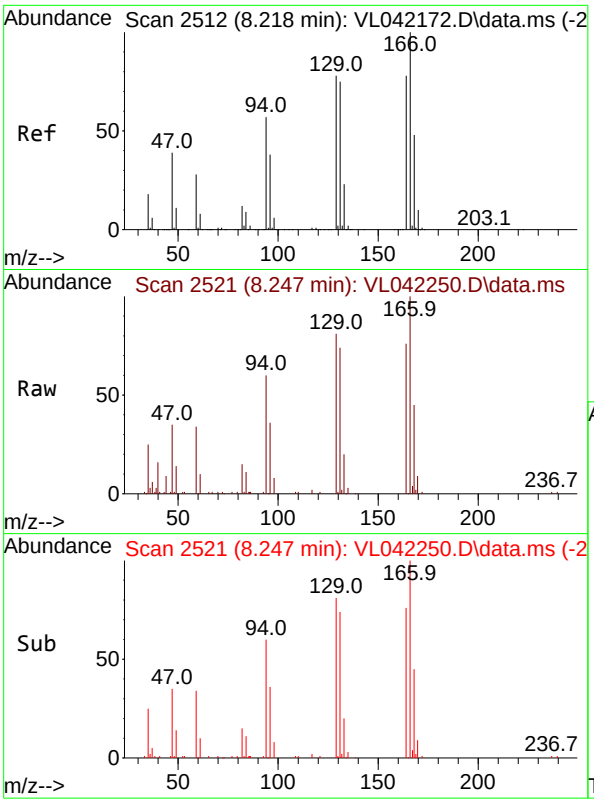


#36
Benzene
Concen: 0.114 ppbv m
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 78 Resp: 5830

Ion	Ratio	Lower	Upper
78	100		
77	19.9	19.1	28.7
50	19.6	16.6	24.8

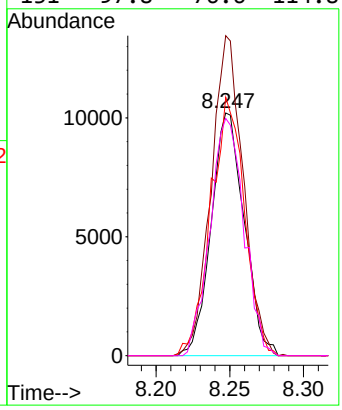




#52
Tetrachloroethene
Concen: 0.784 ppbv
RT: 8.247 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:164 Resp: 1589

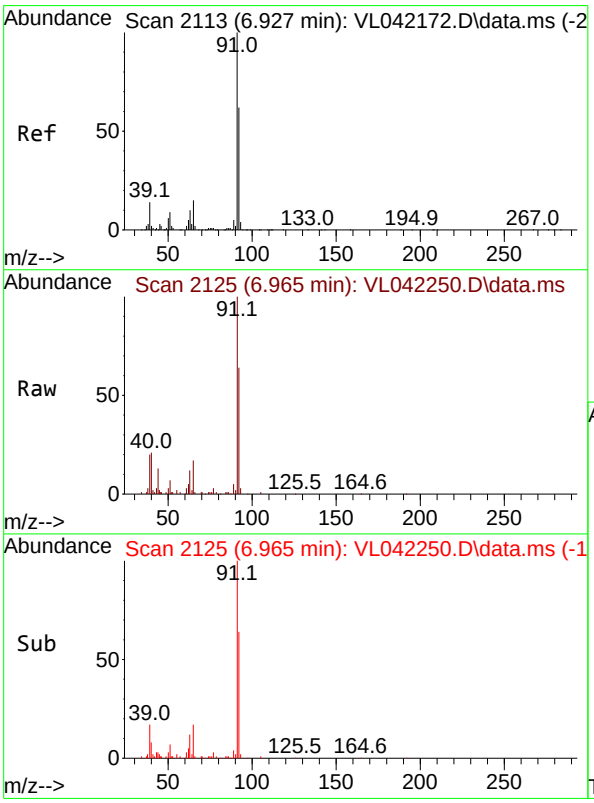
Ion	Ratio	Lower	Upper
164	100		
166	131.8	102.5	153.7
129	106.5	79.8	119.8
131	97.8	76.6	114.8



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

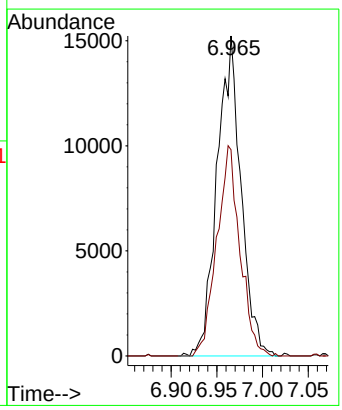
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

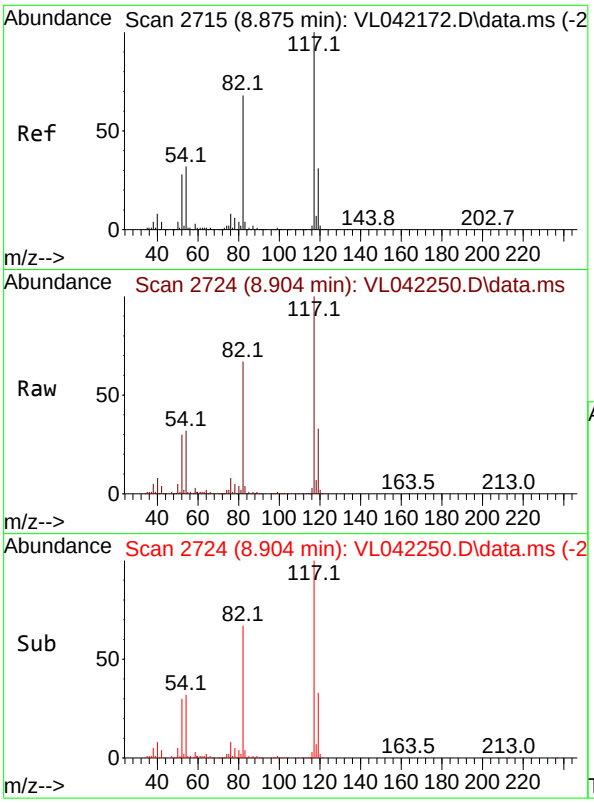


#53
Toluene
Concen: 0.456 ppbv m
RT: 6.965 min Scan# 2125
Delta R.T. 0.039 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 91 Resp: 27648

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#

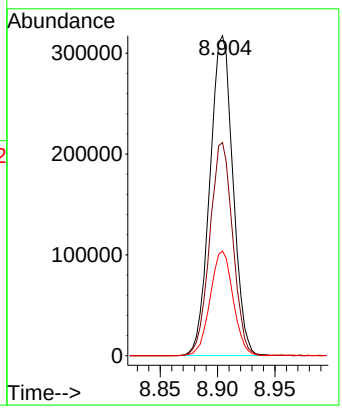




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:117 Resp: 44248

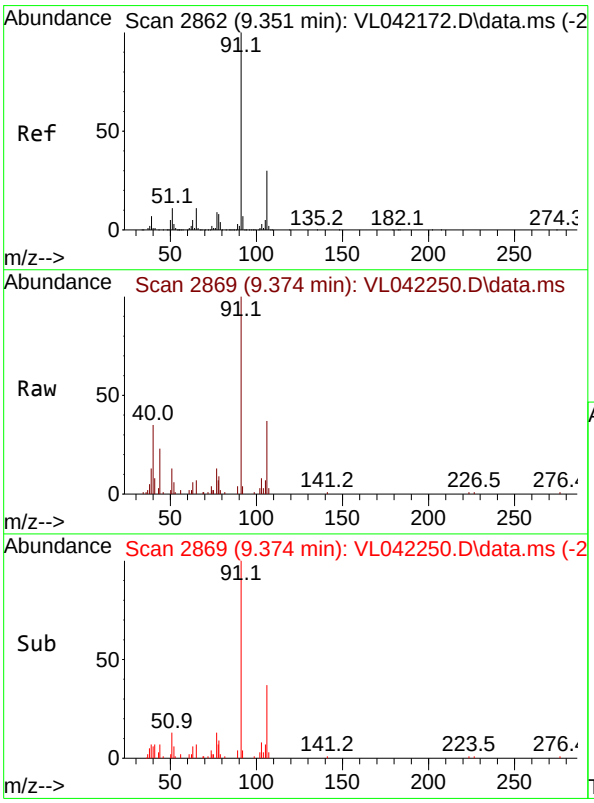
Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	32.9	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

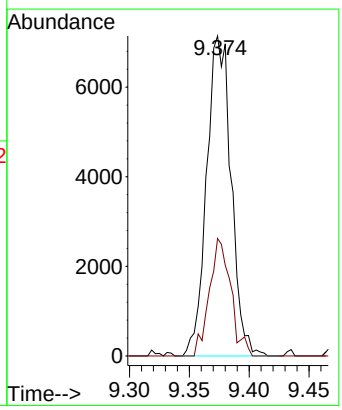
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

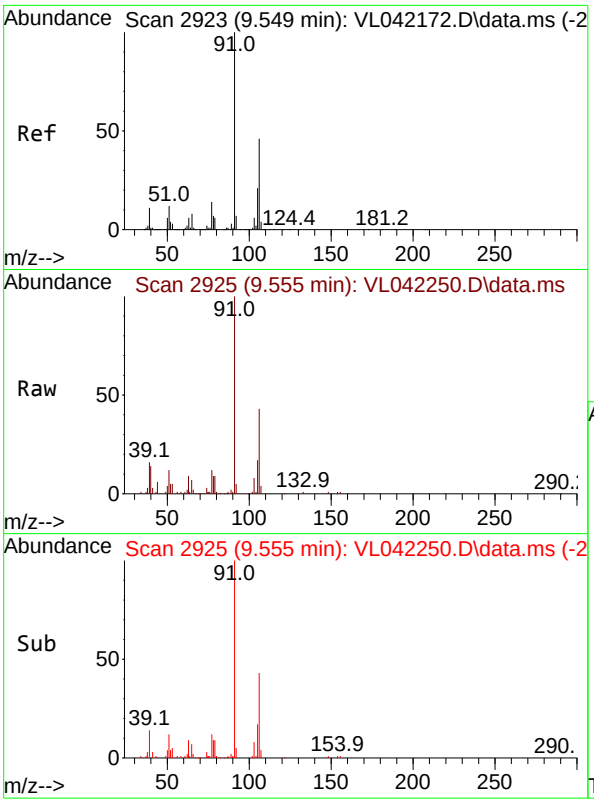


#58
Ethyl Benzene
Concen: 0.129 ppbv m
RT: 9.374 min Scan# 2869
Delta R.T. 0.022 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 91 Resp: 10176

Ion	Ratio	Lower	Upper
91	100		
106	36.7	24.2	36.2#





#59
m/p-Xylene
Concen: 0.475 ppbv
RT: 9.555 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

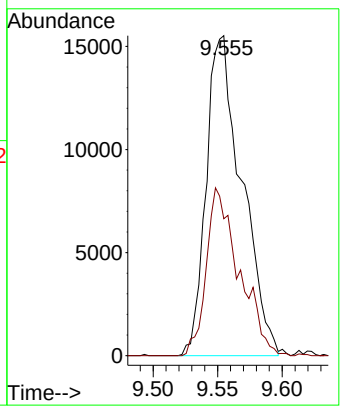
Tgt Ion: 91 Resp: 2983

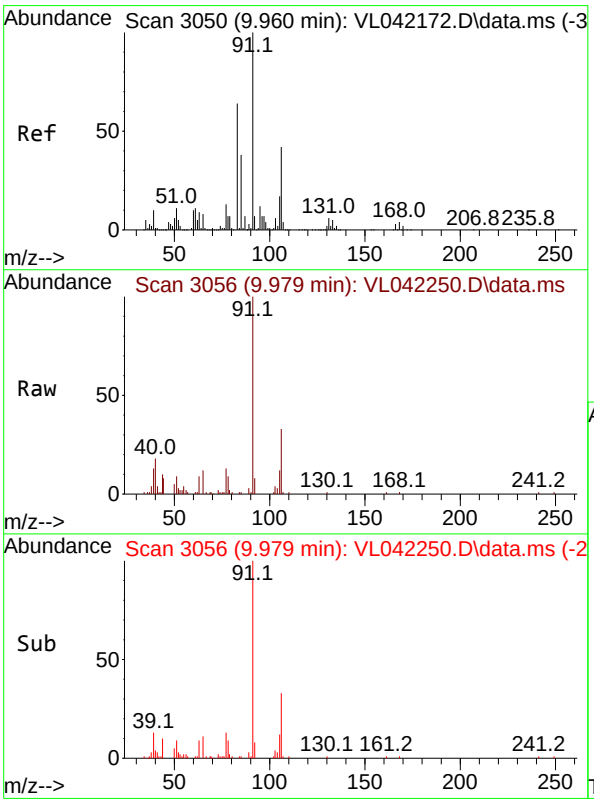
Ion	Ratio	Lower	Upper
91	100		
106	48.5	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

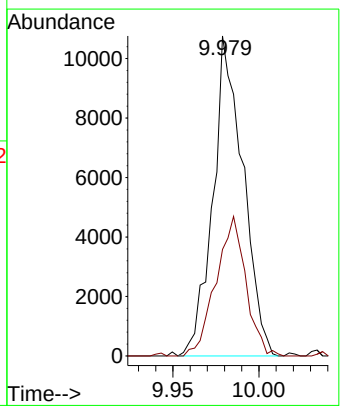


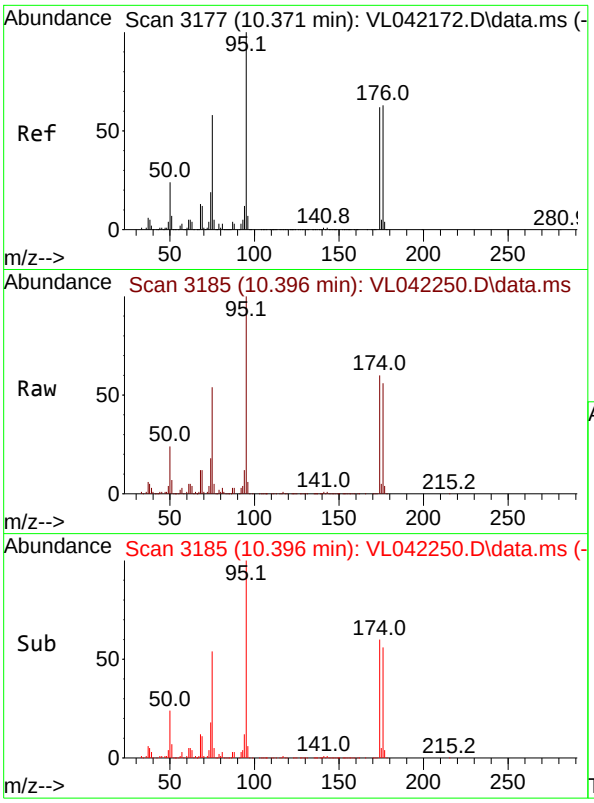


#60
o-Xylene
Concen: 0.208 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.019 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 91 Resp: 13109

Ion	Ratio	Lower	Upper
91	100		
106	43.1	20.8	62.5

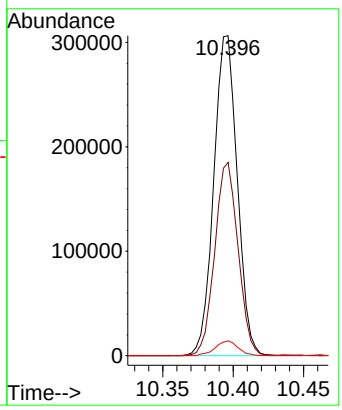




#68
1-Bromo-4-Fluorobenzene
Concen: 9.791 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 95 Resp: 35577

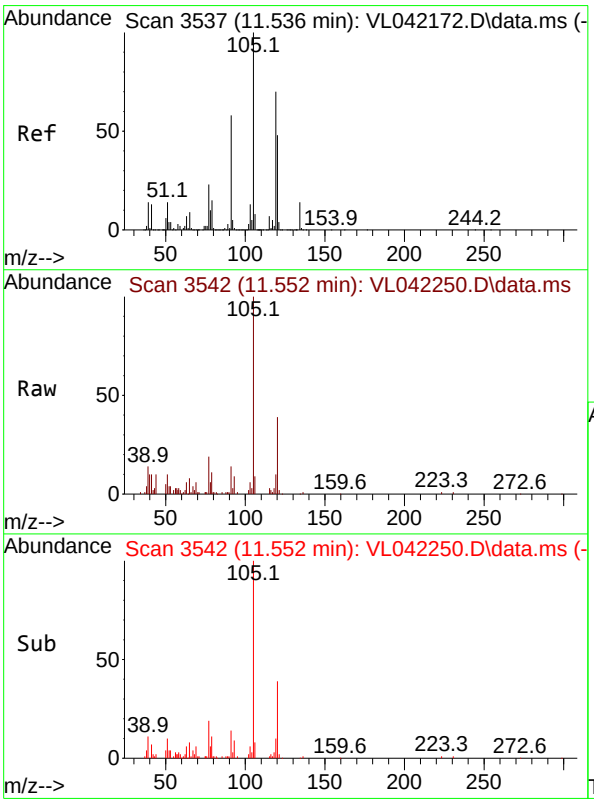
Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.5	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Manual Integrations
APPROVED

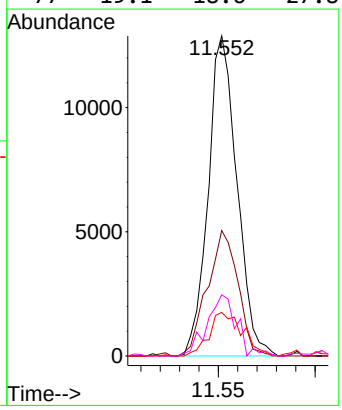
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.169 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:105 Resp: 13306

Ion	Ratio	Lower	Upper
105	100		
120	39.2	38.6	58.0
91	13.6	46.2	69.2#
77	19.1	18.6	27.8



LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042250.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.434	411	416	422	rBV	4492919	5124373	100.00%	24.761%
2	1.492	430	434	443	rVB	297969	162176	3.16%	0.784%
3	1.564	452	456	460	rBV	148915	84508	1.65%	0.408%
4	1.729	502	507	514	rBV	3082608	1939692	37.85%	9.372%
5	1.842	538	542	553	rBV	2357941	1567991	30.60%	7.576%
6	1.894	553	558	571	rBV	3875144	2851049	55.64%	13.776%
7	2.570	762	767	780	rBV	324753	318977	6.22%	1.541%
8	2.803	831	839	846	rBV	717451	752038	14.68%	3.634%
9	2.861	846	857	867	rVB4	54377	86688	1.69%	0.419%
10	3.981	1186	1203	1221	rBV	908099	1376068	26.85%	6.649%
11	6.965	2110	2125	2142	rBV	44607	91700	1.79%	0.443%
12	8.250	2510	2522	2533	rBV3	97022	154460	3.01%	0.746%
13	8.904	2706	2724	2735	rBV	1124419	1588270	30.99%	7.674%
14	9.170	2796	2806	2820	rBV	868864	1176622	22.96%	5.685%
15	9.552	2913	2924	2929	rBV3	49948	76587	1.49%	0.370%
16	9.982	3042	3057	3068	rBV5	31409	57667	1.13%	0.279%
17	10.393	3170	3184	3197	rBV	1415377	1671963	32.63%	8.079%
18	11.555	3531	3543	3552	rBV4	44777	64432	1.26%	0.311%
19	12.060	3682	3699	3708	rBV	1338467	1341211	26.17%	6.481%
20	12.439	3805	3816	3827	rBV8	42462	64097	1.25%	0.310%
21	13.400	4104	4113	4122	rBV	129319	145001	2.83%	0.701%

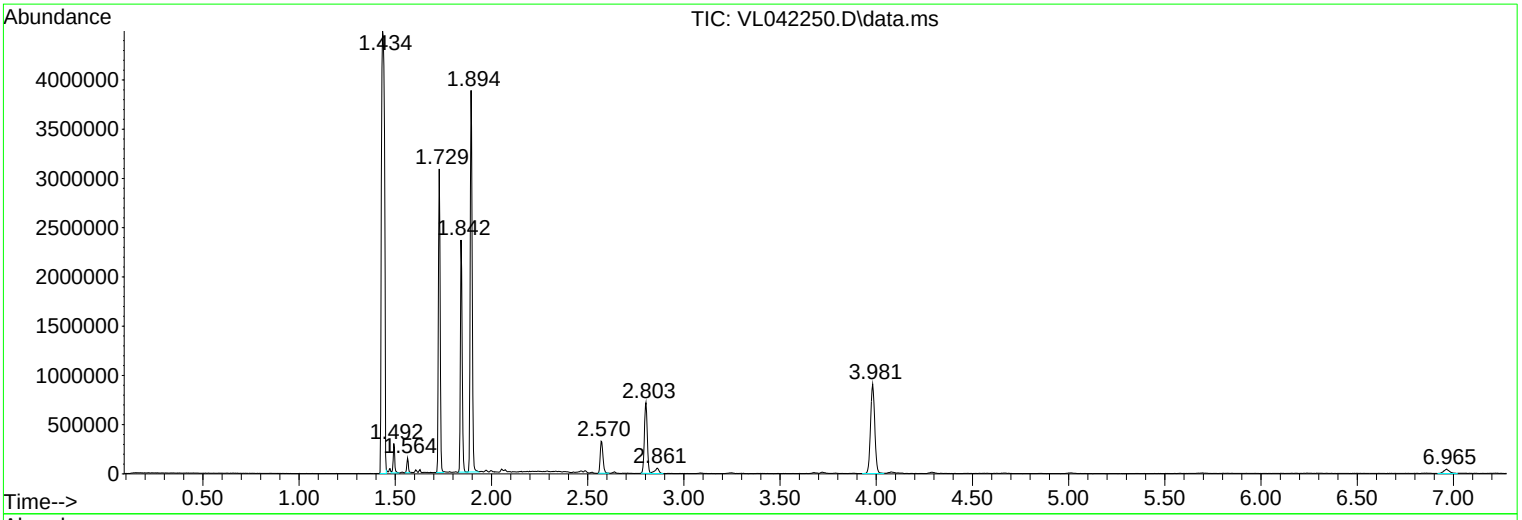
Sum of corrected areas: 20695570

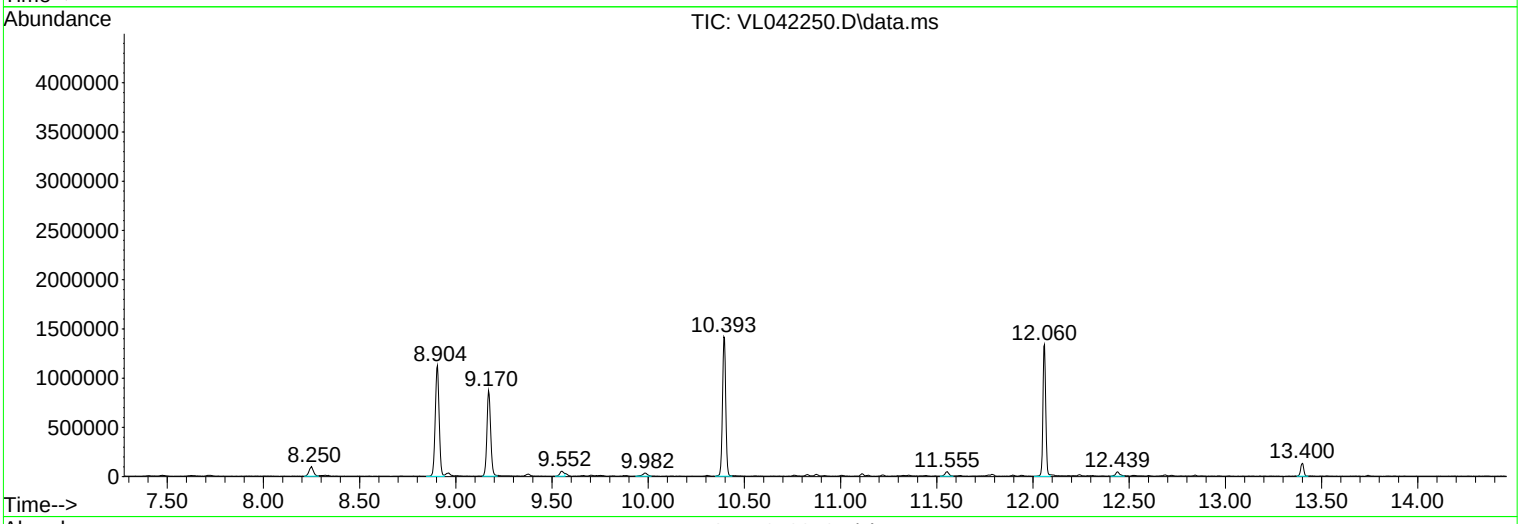
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

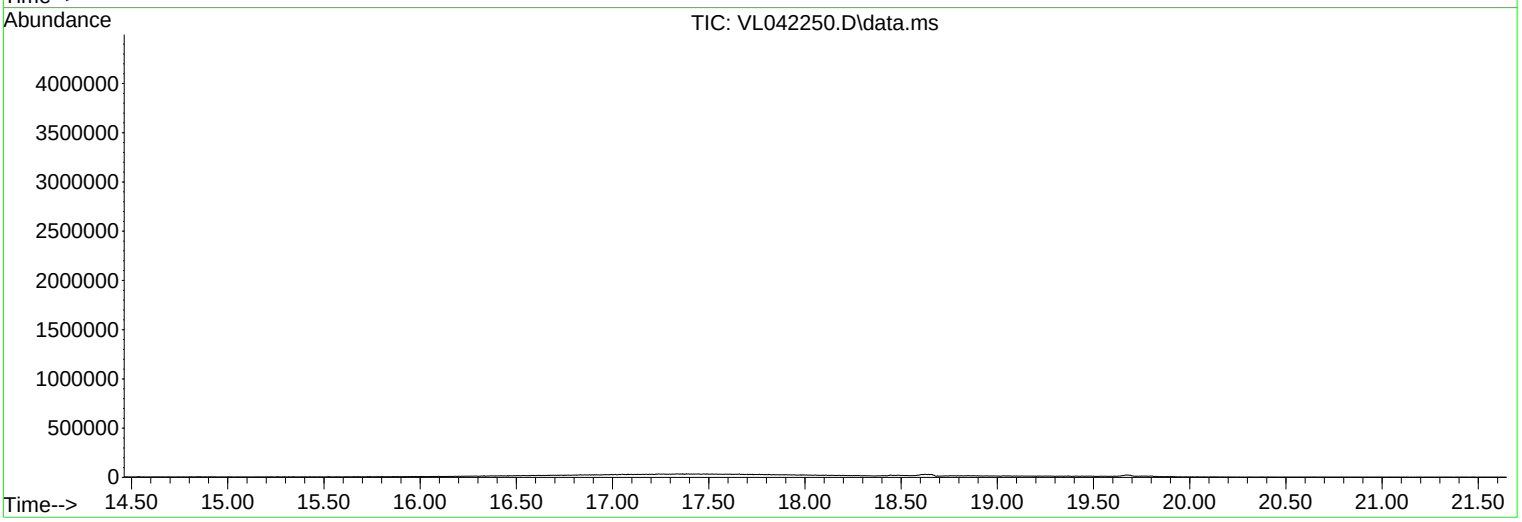
Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

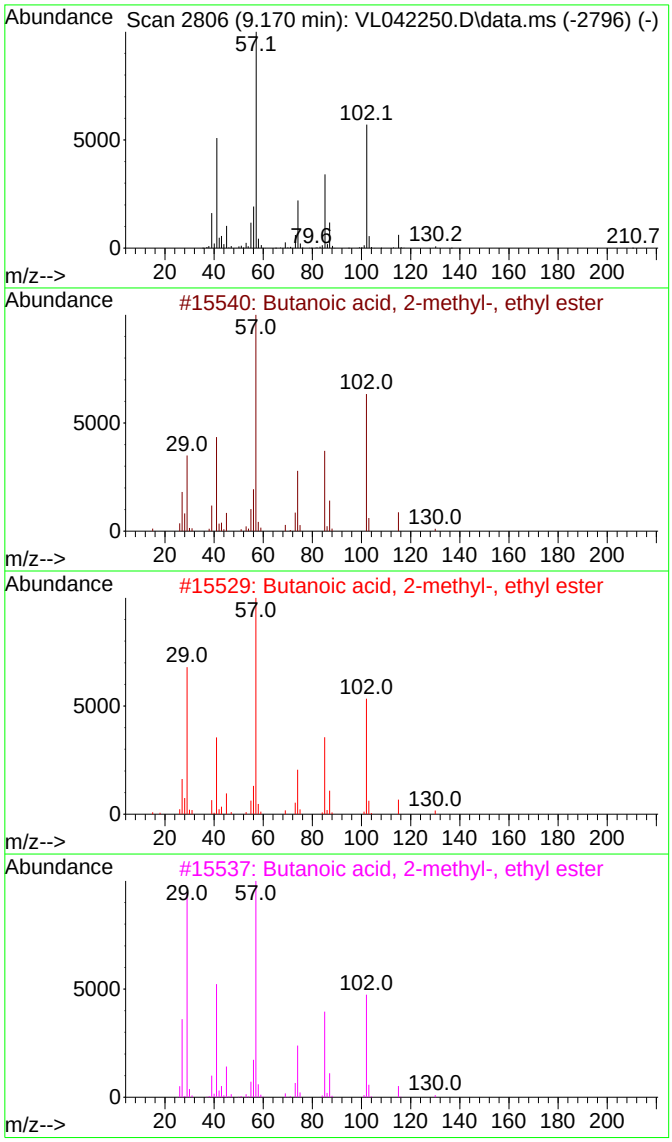
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

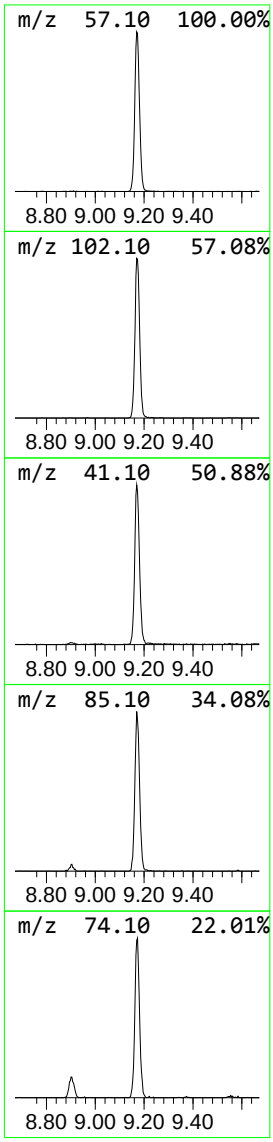
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butanoic acid, 2-methyl-, e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.170	7.41 ppbv	1176620	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	95
2	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	90
3	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	90
4	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	74
5	Butanoic acid, 2-methyl-, ethyl ...	130	C7H14O2	007452-79-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

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

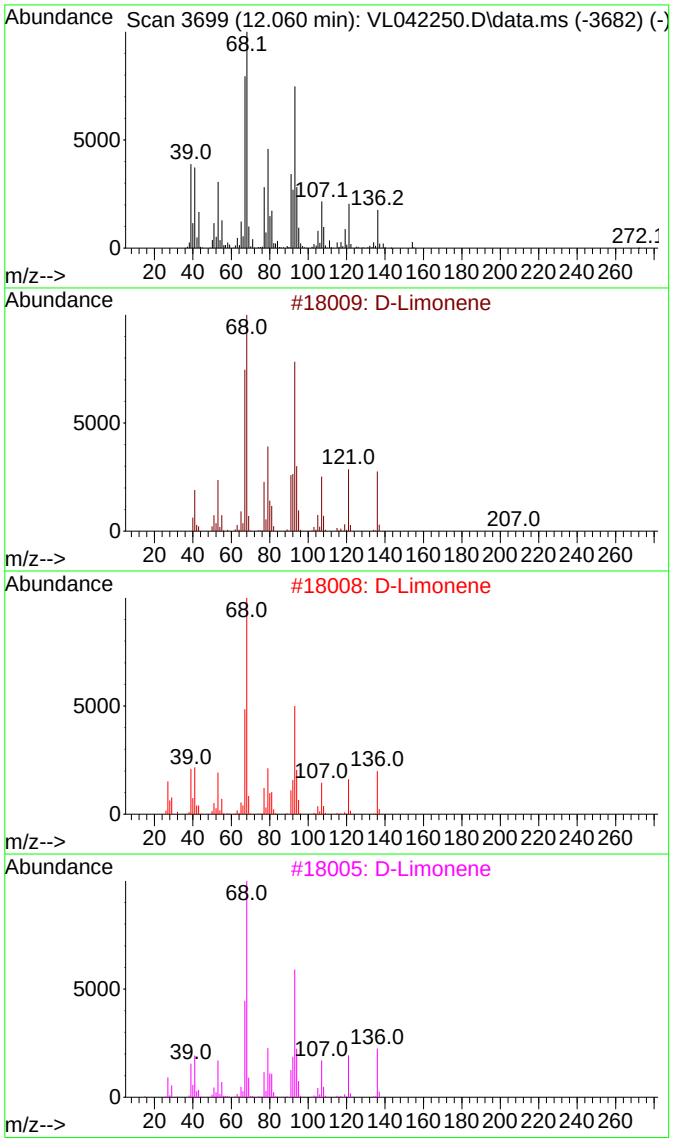
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

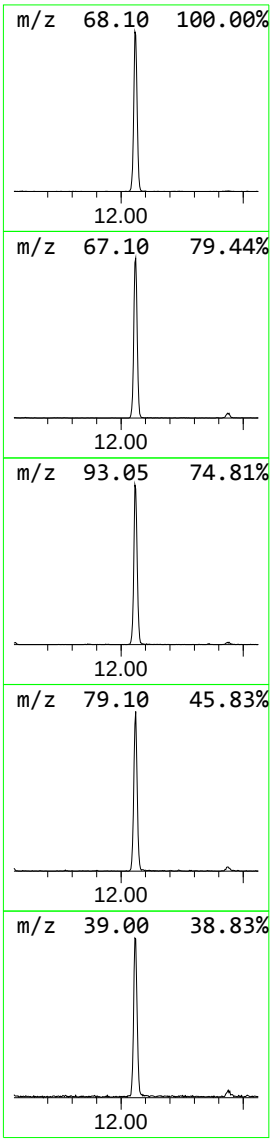
****

Peak Number 3 D-Limonene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.060	8.44 ppbv	1341210	Chlorobenzene-d5	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	96
2	D-Limonene	136	C10H16	005989-27-5	93
3	D-Limonene	136	C10H16	005989-27-5	93
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	91
5	Limonene	136	C10H16	000138-86-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butanoic acid, ...	9.170	7.4	ppbv	1176620	3	8.904	1588270	10.0
D-Limonene	12.060	8.4	ppbv	1341210	3	8.904	1588270	10.0

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-2-03312025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-08DL	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
VL042251.D	40		04/08/25 01:48	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	8.40	41.5	UD	41.5	98.9	ug/m3
74-87-3	Chloromethane	3.90	8.05	UD	8.05	41.3	ug/m3
75-01-4	Vinyl Chloride	0.56	1.43	UD	1.43	3.07	ug/m3
74-83-9	Bromomethane	5.60	21.7	UD	21.7	77.7	ug/m3
75-00-3	Chloroethane	6.80	17.9	UD	17.9	52.8	ug/m3
109-99-9	Tetrahydrofuran	5.20	15.3	UD	15.3	59.0	ug/m3
75-69-4	Trichlorofluoromethane	6.40	36.0	UD	36.0	112	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	6.40	49.0	UD	49.0	153	ug/m3
76-14-2	Dichlorotetrafluoroethane	3.50	24.5	UD	24.5	140	ug/m3
75-65-0	tert-Butyl alcohol	7.60	23.0	UD	23.0	60.6	ug/m3
142-82-5	Heptane	4.40	18.0	UD	18.0	82.0	ug/m3
75-35-4	1,1-Dichloroethene	5.60	22.2	UD	22.2	79.3	ug/m3
67-64-1	Acetone	160	380	D	22.8	47.5	ug/m3
75-15-0	Carbon Disulfide	6.40	19.9	UD	19.9	62.3	ug/m3
1634-04-4	Methyl tert-Butyl Ether	4.80	17.3	UD	17.3	72.1	ug/m3
75-09-2	Methylene Chloride	7.60	26.4	UD	26.4	69.5	ug/m3
156-60-5	trans-1,2-Dichloroethene	7.60	30.1	UD	30.1	79.3	ug/m3
75-34-3	1,1-Dichloroethane	5.20	21.1	UD	21.1	81.0	ug/m3
110-82-7	Cyclohexane	8.80	30.3	UD	30.3	68.8	ug/m3
78-93-3	2-Butanone	21.0	61.9	D	14.2	59.0	ug/m3
56-23-5	Carbon Tetrachloride	0.44	2.77	UD	2.77	7.55	ug/m3
156-59-2	cis-1,2-Dichloroethene	3.60	14.3	UD	14.3	79.3	ug/m3
67-66-3	Chloroform	3.30	16.1	UD	16.1	97.7	ug/m3
71-55-6	1,1,1-Trichloroethane	0.38	2.07	UD	2.07	6.55	ug/m3
540-84-1	2,2,4-Trimethylpentane	4.00	18.7	UD	18.7	93.4	ug/m3
71-43-2	Benzene	3.50	11.2	UD	11.2	63.9	ug/m3
107-06-2	1,2-Dichloroethane	3.60	14.6	UD	14.6	81.0	ug/m3
79-01-6	Trichloroethene	0.68	3.65	UD	3.65	6.45	ug/m3
78-87-5	1,2-Dichloropropane	4.40	20.3	UD	20.3	92.4	ug/m3
75-27-4	Bromodichloromethane	3.10	20.8	UD	20.8	134	ug/m3
108-10-1	4-Methyl-2-Pentanone	3.70	15.2	UD	15.2	82.0	ug/m3
108-88-3	Toluene	4.40	16.6	UD	16.6	75.4	ug/m3
10061-02-6	t-1,3-Dichloropropene	2.40	10.9	UD	10.9	90.8	ug/m3
10061-01-5	cis-1,3-Dichloropropene	2.60	11.8	UD	11.8	90.8	ug/m3
79-00-5	1,1,2-Trichloroethane	2.80	15.3	UD	15.3	109	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	03/31/25
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-2-03312025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-08DL	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
VL042251.D	40		04/08/25 01:48	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	2.60	22.1	UD	22.1	170	ug/m3
106-93-4	1,2-Dibromoethane	2.90	22.3	UD	22.3	30.7	ug/m3
127-18-4	Tetrachloroethene	3.00	20.3	D	4.07	8.14	ug/m3
108-90-7	Chlorobenzene	3.00	13.8	UD	13.8	92.1	ug/m3
100-41-4	Ethyl Benzene	4.80	20.9	UD	20.9	86.9	ug/m3
179601-23-1	m/p-Xylene	8.40	36.5	UD	36.5	174	ug/m3
95-47-6	o-Xylene	4.80	20.9	UD	20.9	86.9	ug/m3
100-42-5	Styrene	4.40	18.7	UD	18.7	85.2	ug/m3
75-25-2	Bromoform	2.30	23.8	UD	23.8	207	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.44	3.02	UD	3.02	8.24	ug/m3
95-49-8	2-Chlorotoluene	4.40	22.8	UD	22.8	104	ug/m3
108-67-8	1,3,5-Trimethylbenzene	4.40	21.6	UD	21.6	98.3	ug/m3
95-63-6	1,2,4-Trimethylbenzene	3.10	15.2	UD	15.2	98.3	ug/m3
541-73-1	1,3-Dichlorobenzene	3.20	19.2	UD	19.2	120	ug/m3
106-46-7	1,4-Dichlorobenzene	2.10	12.6	UD	12.6	120	ug/m3
95-50-1	1,2-Dichlorobenzene	3.00	18.0	UD	18.0	120	ug/m3
120-82-1	1,2,4-Trichlorobenzene	3.40	25.2	UD	25.2	148	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	3.40	36.3	UD	36.3	213	ug/m3
106-99-0	1,3-Butadiene	5.20	11.5	UD	11.5	44.3	ug/m3
91-20-3	Naphthalene	3.00	15.7	UD	15.7	21.0	ug/m3
622-96-8	4-Ethyltoluene	4.80	23.6	UD	23.6	98.3	ug/m3
110-54-3	Hexane	4.40	15.5	UD	15.5	70.5	ug/m3
107-05-1	Allyl Chloride	6.00	18.8	UD	18.8	62.6	ug/m3
123-91-1	1,4-Dioxane	8.40	30.3	UD	30.3	72.1	ug/m3
80-62-6	Methyl Methacrylate	3.40	13.9	UD	13.9	81.9	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.30			70 (65) - 130 (135)	93%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	195000		2.803			
540-36-3	1,4-Difluorobenzene	495000		3.985			
3114-55-4	Chlorobenzene-d5	425000		8.907			

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Report of Analysis

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Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	04/03/25
Client Sample ID:	SSSG-B10-2-03312025DL	SDG No.:	Q1725
Lab Sample ID:	Q1725-08DL	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
VL042251.D	40		04/08/25 01:48	VL040725

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\VL040725\
Data File : VL042251.D
Acq On : 08 Apr 2025 01:48
Operator : SY/MD
Sample : Q1725-08DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 04:49:19 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 :
SSSG-B10-2-03312025DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	194708	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	494678	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.907	117	424907	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	324876	9.310	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.100%			
Target Compounds						Qvalue
9) Propene	1.496	41	2943	0.219	ppbv	100
13) Ethanol	1.732	45	119090	93.585	ppbv	81
15) Acetone	1.845	43	109482	4.020	ppbv	96
19) Isopropyl Alcohol	1.897	45	196635	12.798	ppbv #	33
20) Methylene Chloride	2.072	84	1654	0.163	ppbv #	92
34) 2-Butanone	2.577	43	18789	0.524	ppbv	94
52) Tetrachloroethene	8.250	164	1481m	0.076	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042251.D
Acq On : 08 Apr 2025 01:48
Operator : SY/MD
Sample : Q1725-08DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 04:49:19 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 :
SSSG-B10-2-03312025DL

Manual Integrations APPROVED

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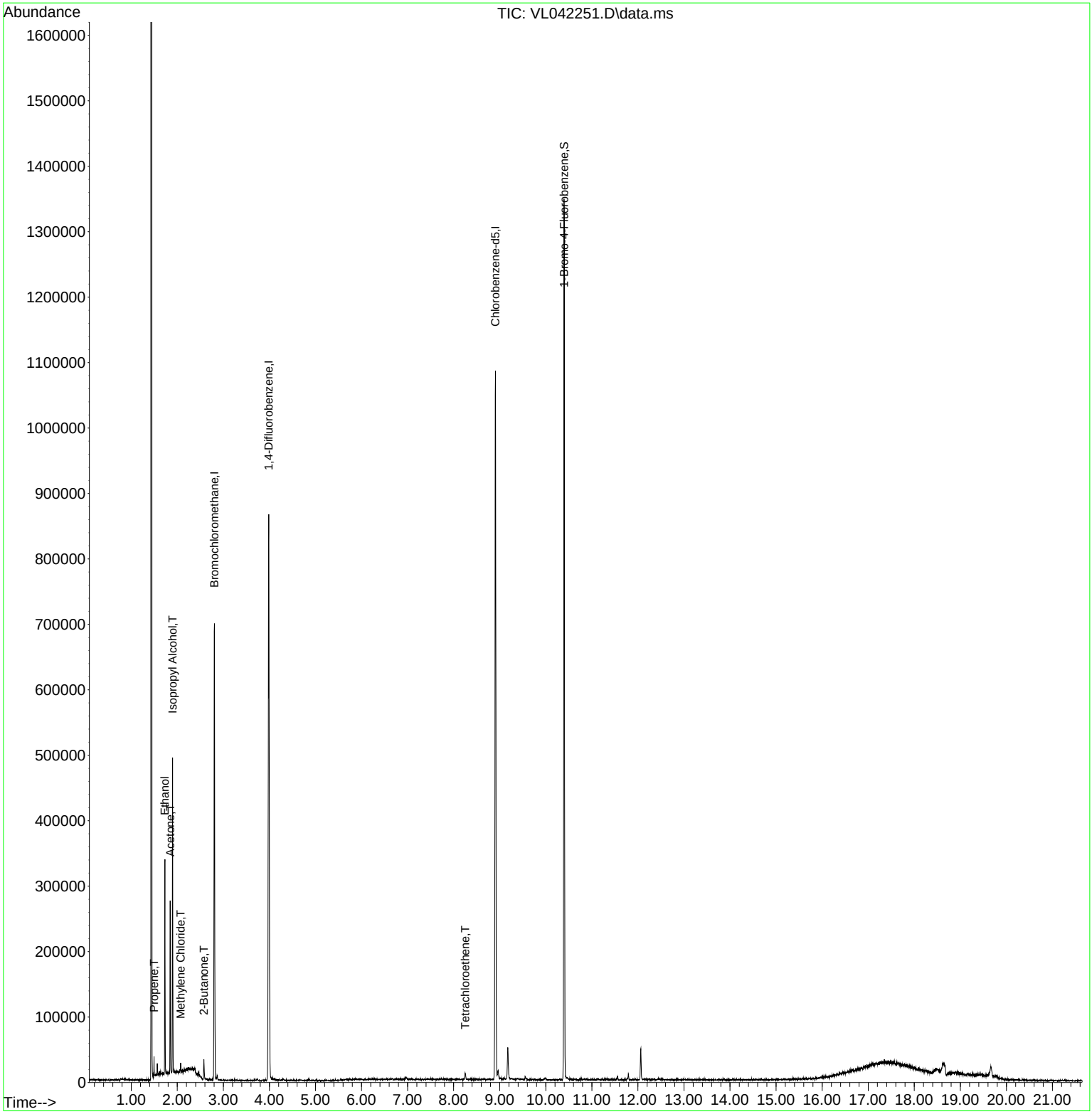

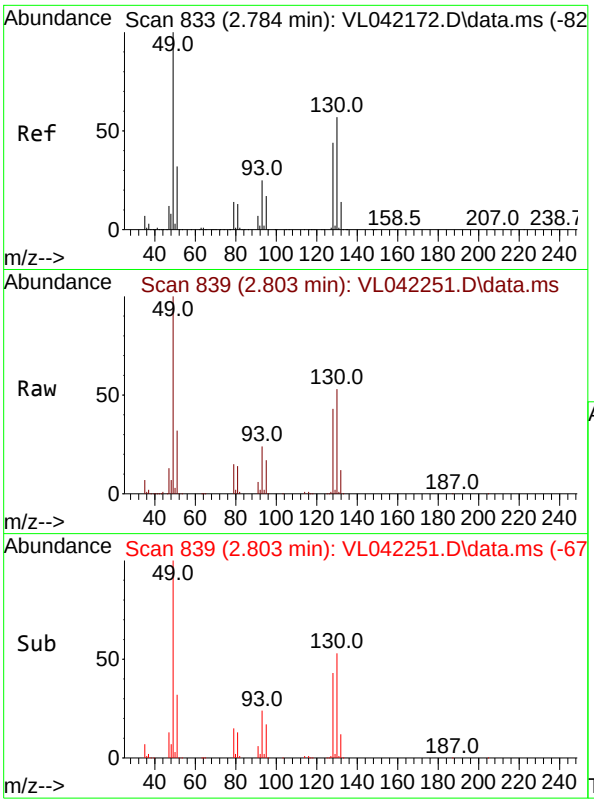

#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 49 Resp: 19470

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.9	68.5
130	58.3	28.8	86.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Manual Integrations
APPROVED

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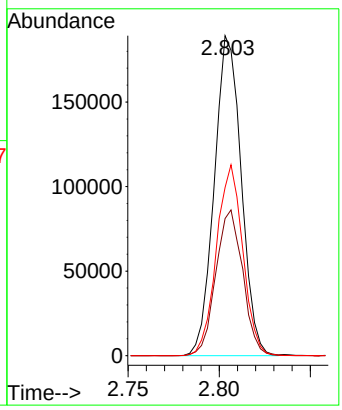
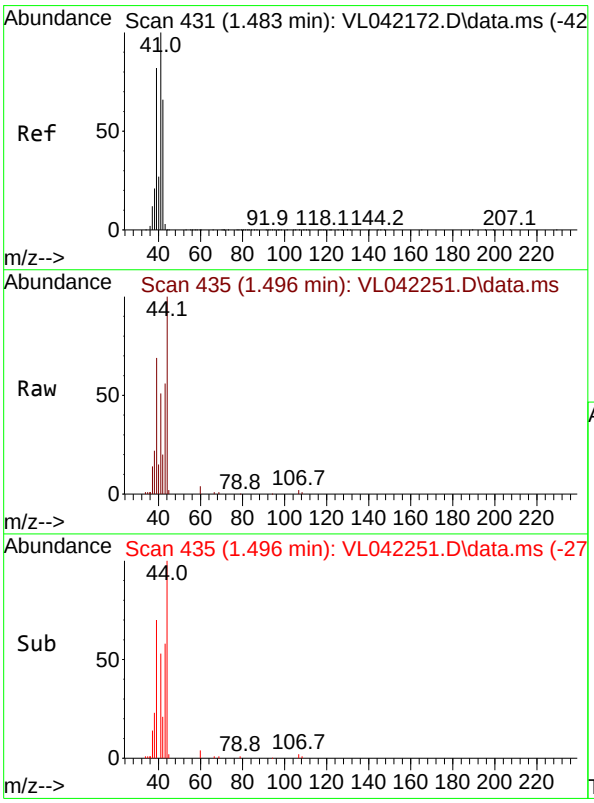
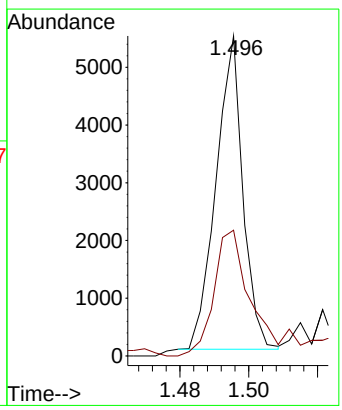


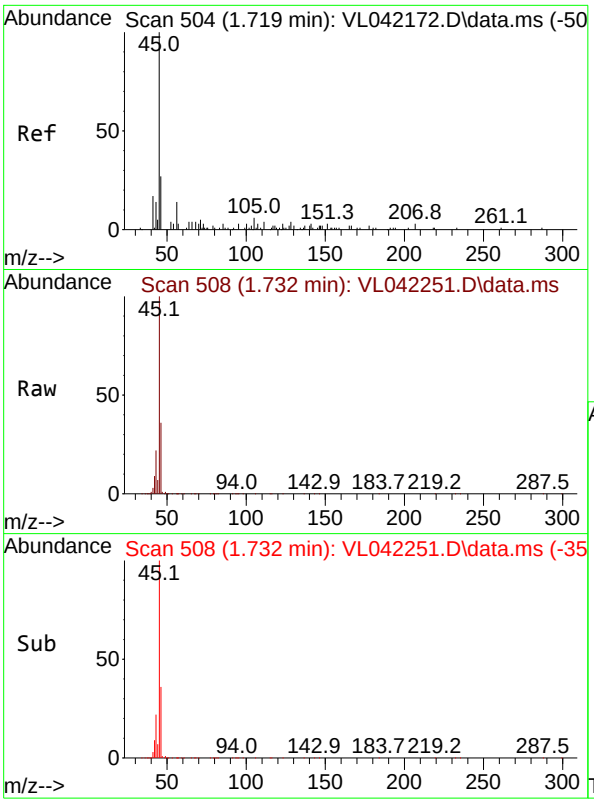


#9
Propene
Concen: 0.219 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 41 Resp: 2943

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.4	83.2





#13
Ethanol
Concen: 93.585 ppbv
RT: 1.732 min Scan# 5(
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 45 Resp: 11909(

Ion	Ratio	Lower	Upper
45	100		
46	37.3	20.2	80.8

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Manual Integrations
APPROVED

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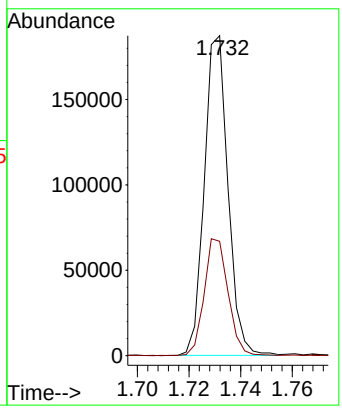
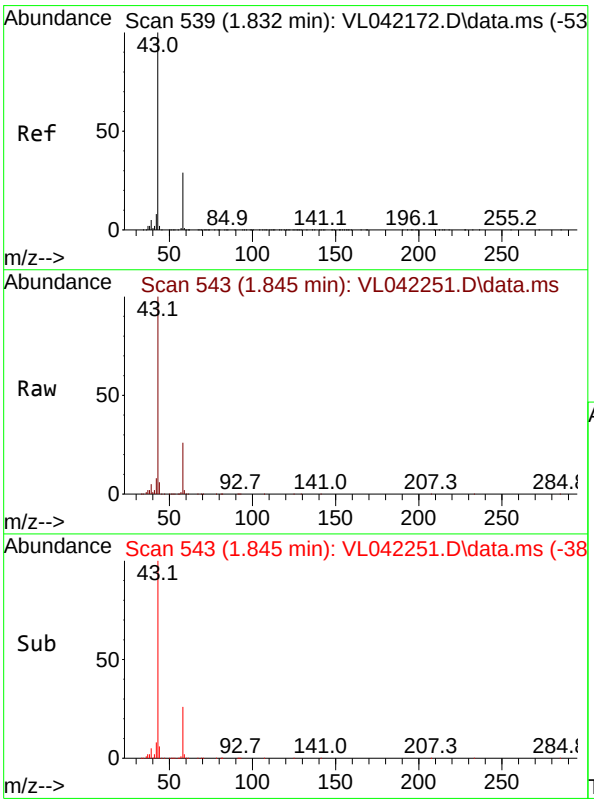
Supervised By :Mahesh Dadoda 04/09/2025

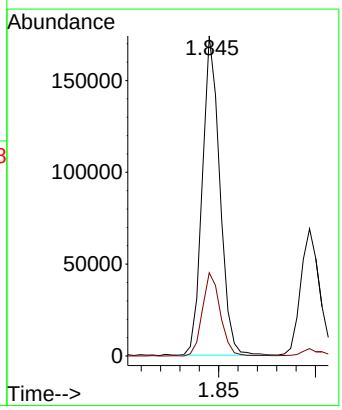


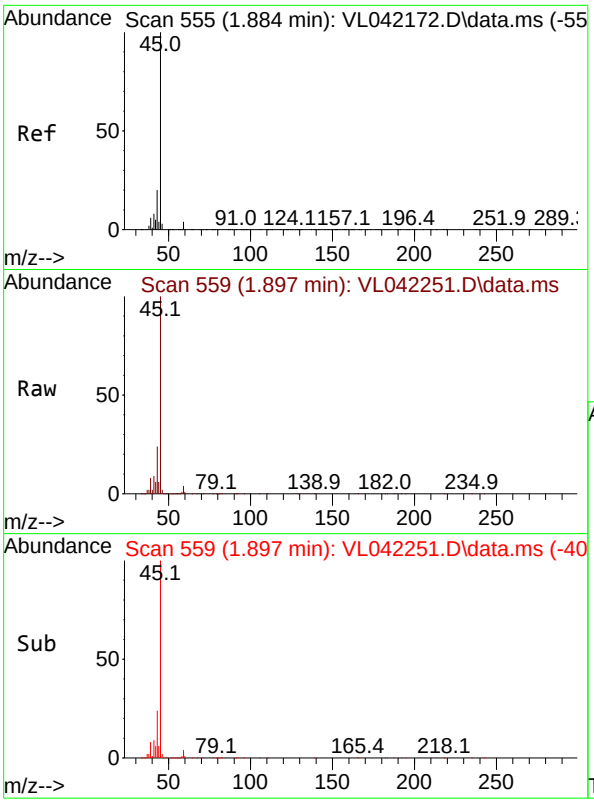


#15
Acetone
Concen: 4.020 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 43 Resp: 109482

Ion	Ratio	Lower	Upper
43	100		
58	26.8	23.2	34.8





#19
Isopropyl Alcohol
Concen: 12.798 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 45 Resp: 19663

Ion	Ratio	Lower	Upper
45	100		
58	1.5	36.9	55.3#

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Manual Integrations
APPROVED

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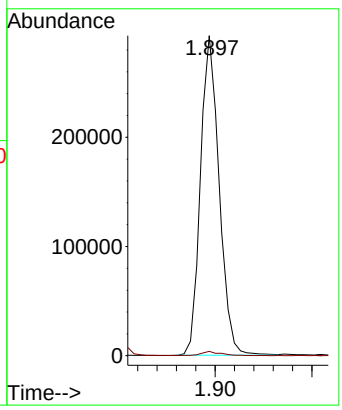
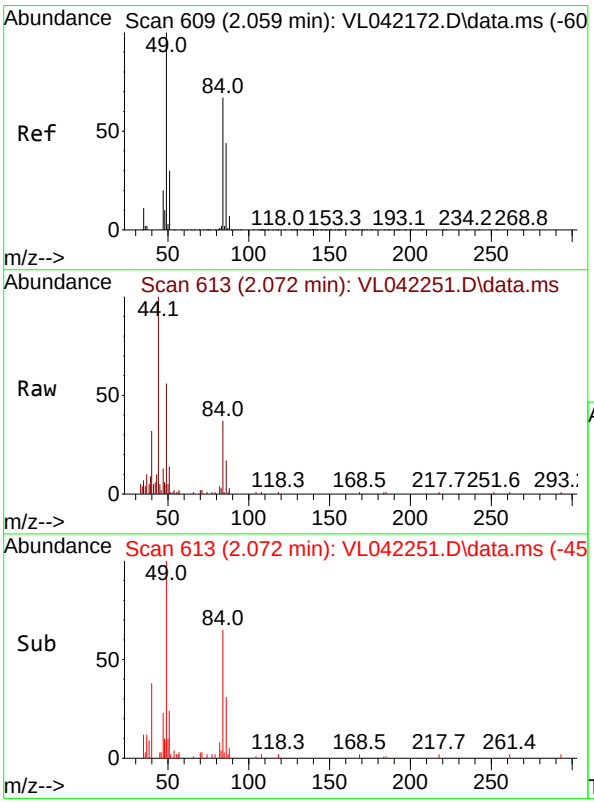
Supervised By :Mahesh Dadoda 04/09/2025

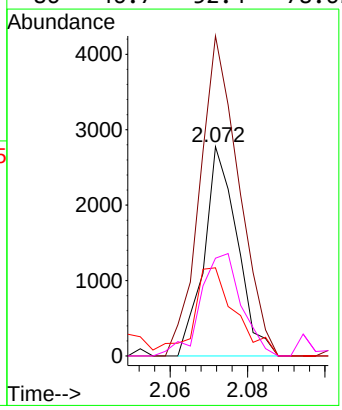


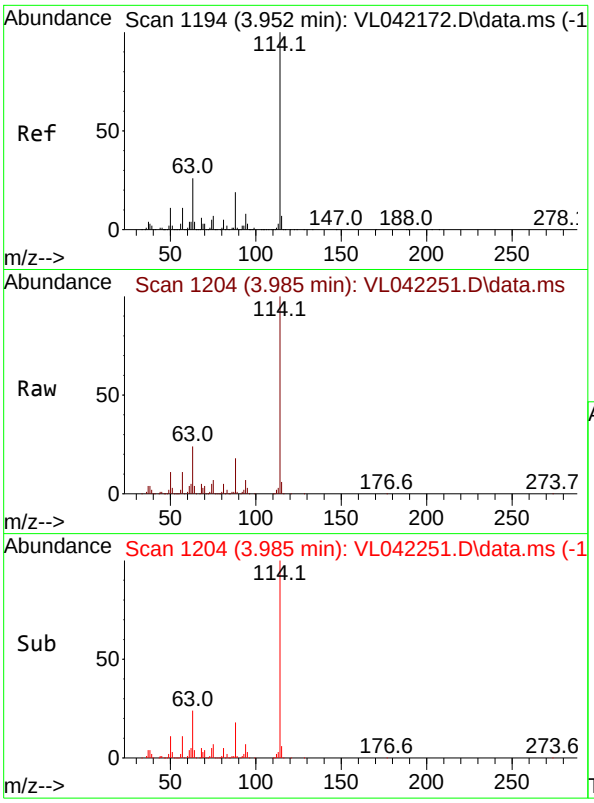


#20
Methylene Chloride
Concen: 0.163 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 84 Resp: 1654

Ion	Ratio	Lower	Upper
84	100		
49	152.9	120.2	180.4
51	42.1	37.4	56.0
86	46.7	52.4	78.6#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

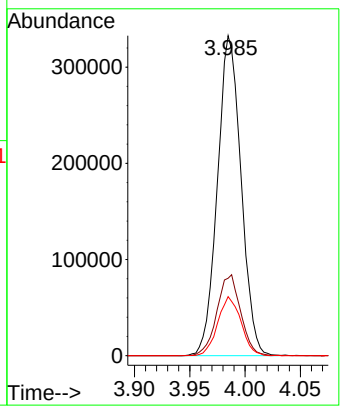
Tgt Ion:114 Resp: 49467

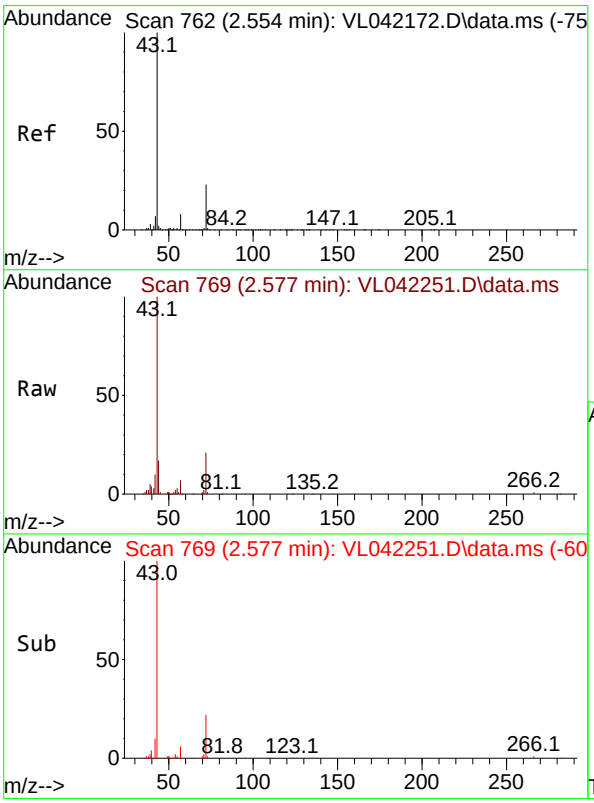
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.7	31.1
88	18.1	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

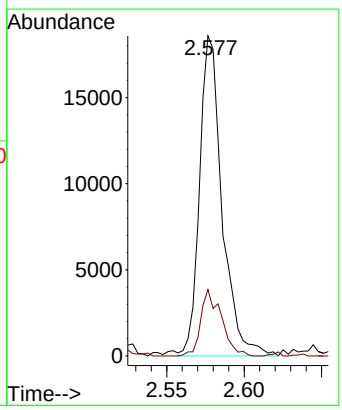


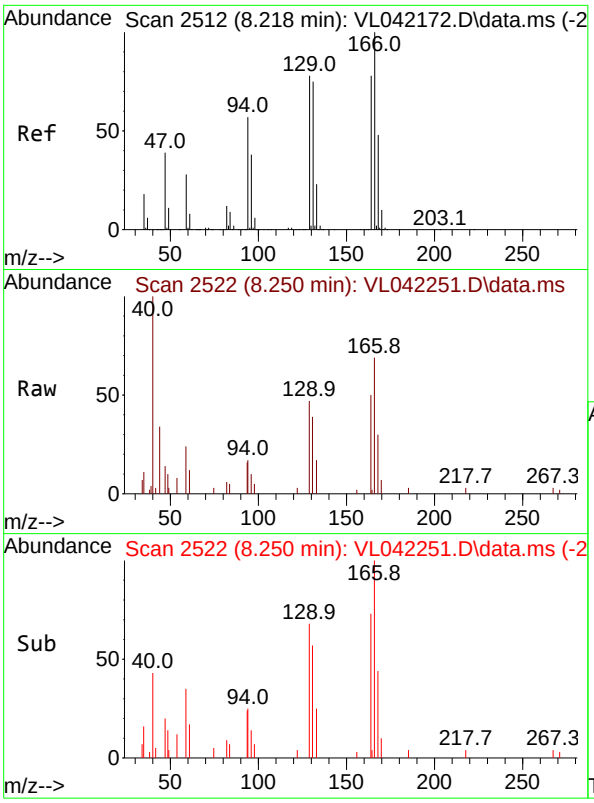


#34
2-Butanone
Concen: 0.524 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.022 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 43 Resp: 18789

Ion	Ratio	Lower	Upper
43	100		
72	19.6	18.2	27.2

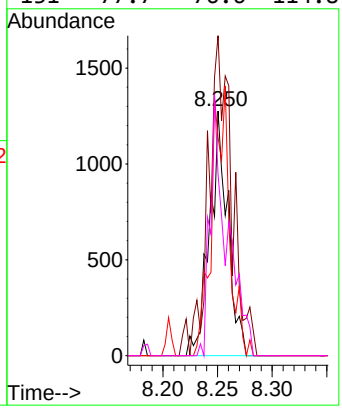




#52
Tetrachloroethene
Concen: 0.076 ppbv m
RT: 8.250 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion:164 Resp: 148

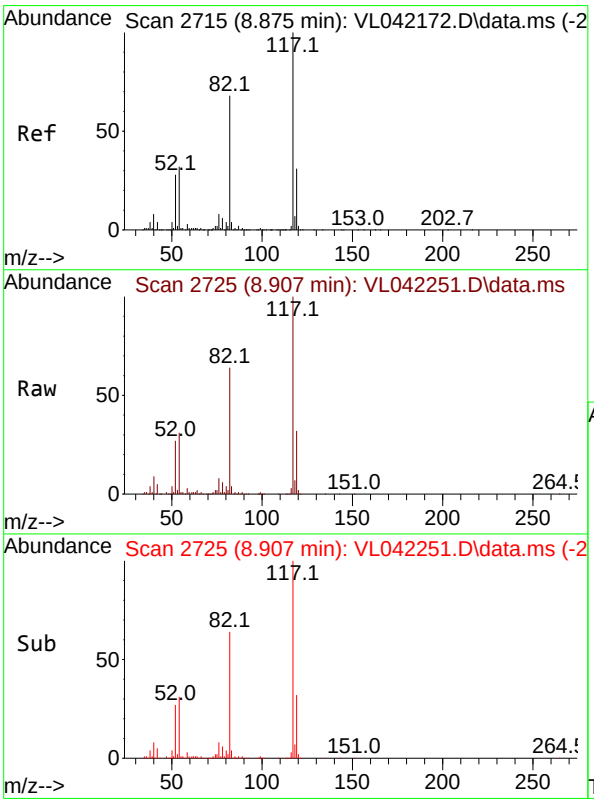
Ion	Ratio	Lower	Upper
164	100		
166	137.1	102.5	153.7
129	93.5	79.8	119.8
131	77.7	76.6	114.8



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Manual Integrations
APPROVED

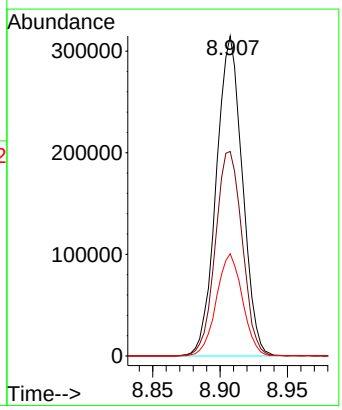
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

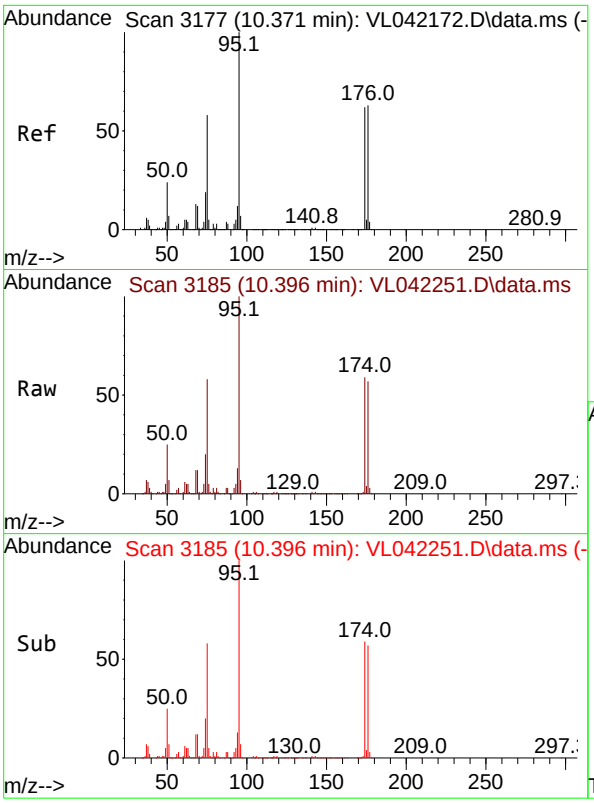


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion:117 Resp: 424907

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	32.0	25.5	38.3

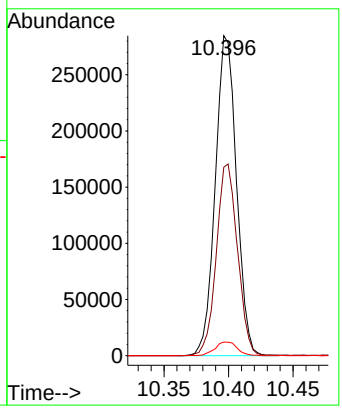




#68
1-Bromo-4-Fluorobenzene
Concen: 9.310 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 95 Resp: 32487

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.5	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

CALIBRATION SUMMARY

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

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

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

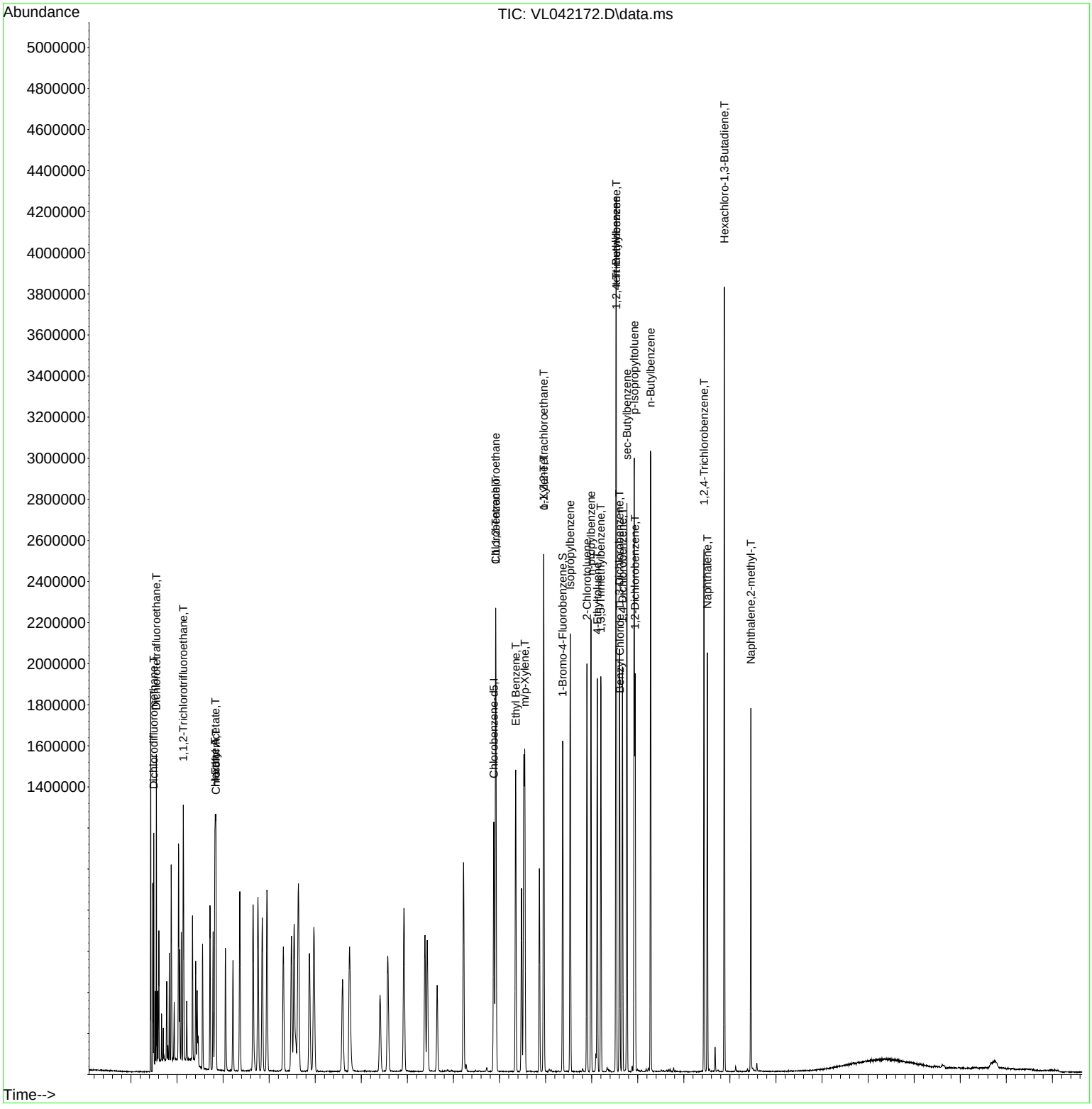
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

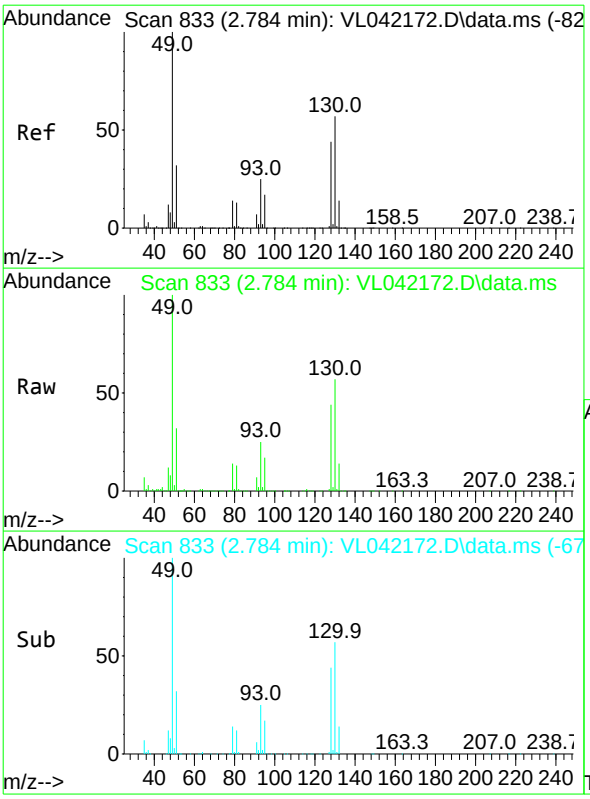
Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

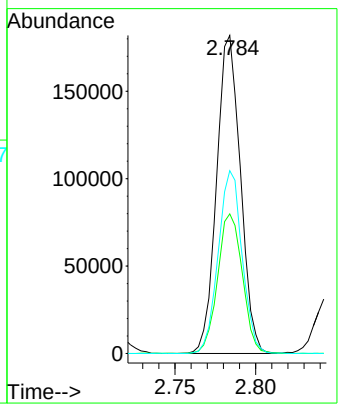




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 83
Delta R.T. -0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 49 Resp: 187002

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	57.6	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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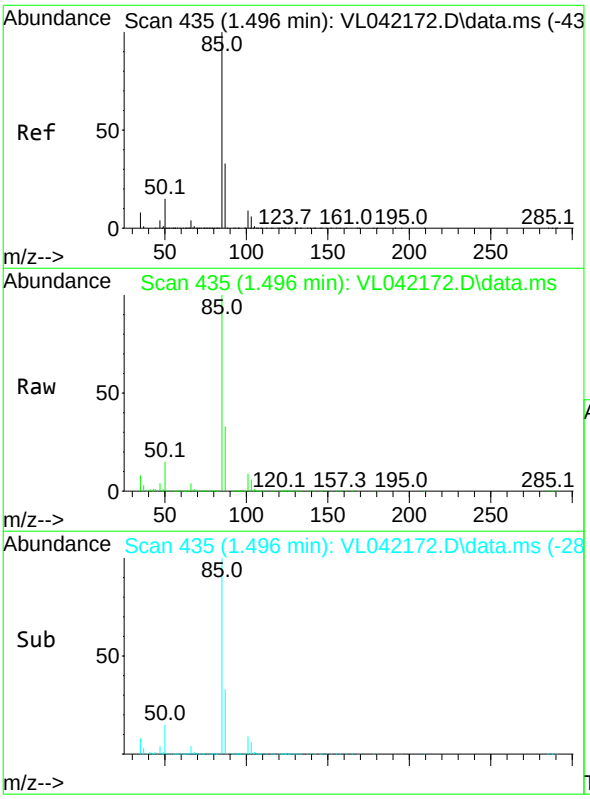
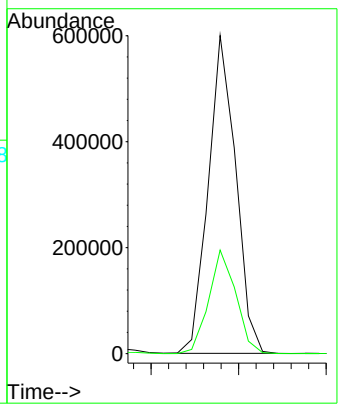
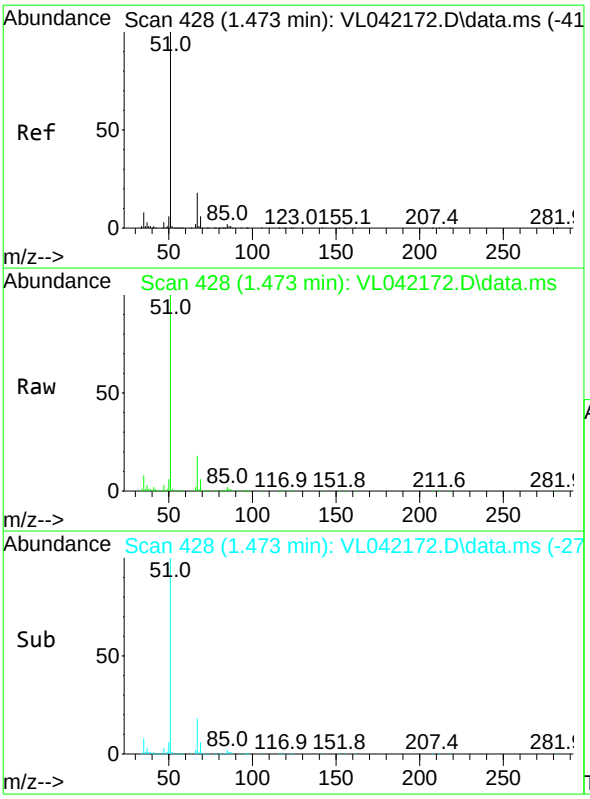


#2
Dichlorodifluoromethane
Concen: 9.507 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 85 Resp: 262496

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.1	39.1

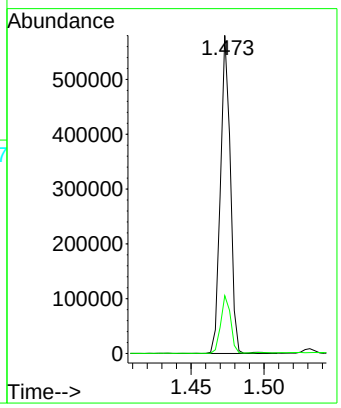




#3
Chlorodifluoromethane
Concen: 9.662 ppbv
RT: 1.473 min Scan# 42
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 51 Resp: 272522

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6



Instrument :
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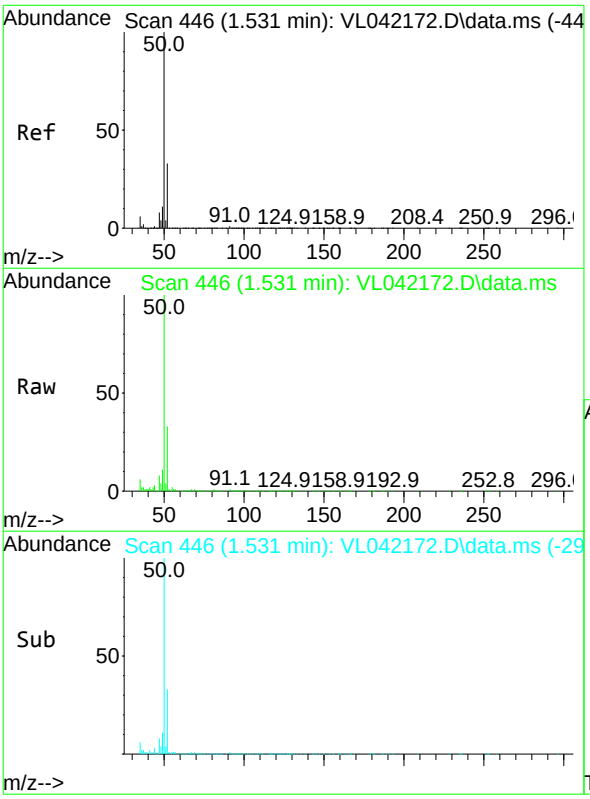
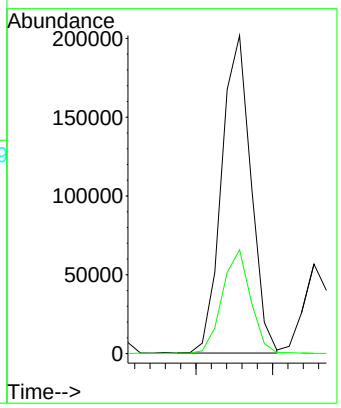
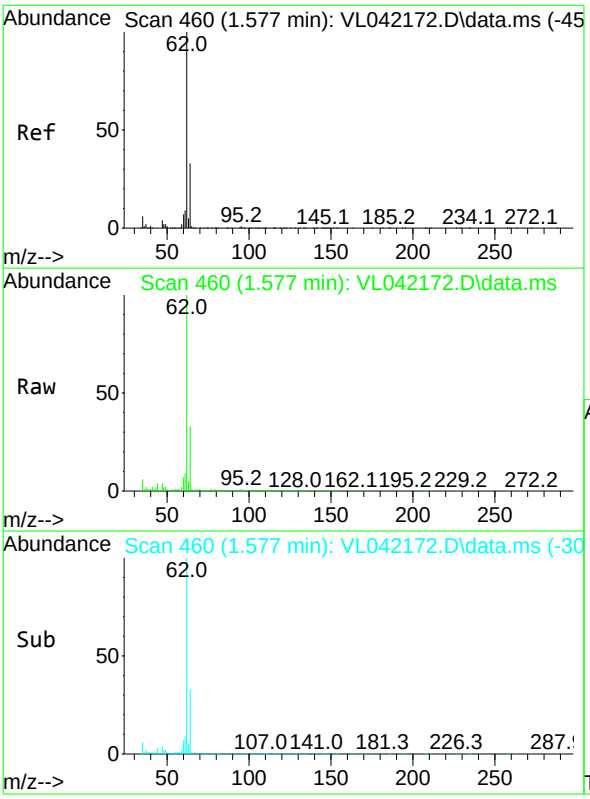


#4
Chloromethane
Concen: 9.491 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 50 Resp: 107099

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1

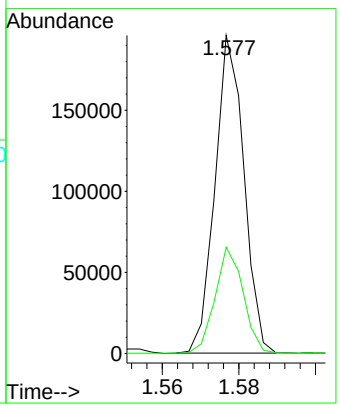




#5
Vinyl Chloride
Concen: 8.925 ppbv
RT: 1.577 min Scan# 46
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 62 Resp: 102699

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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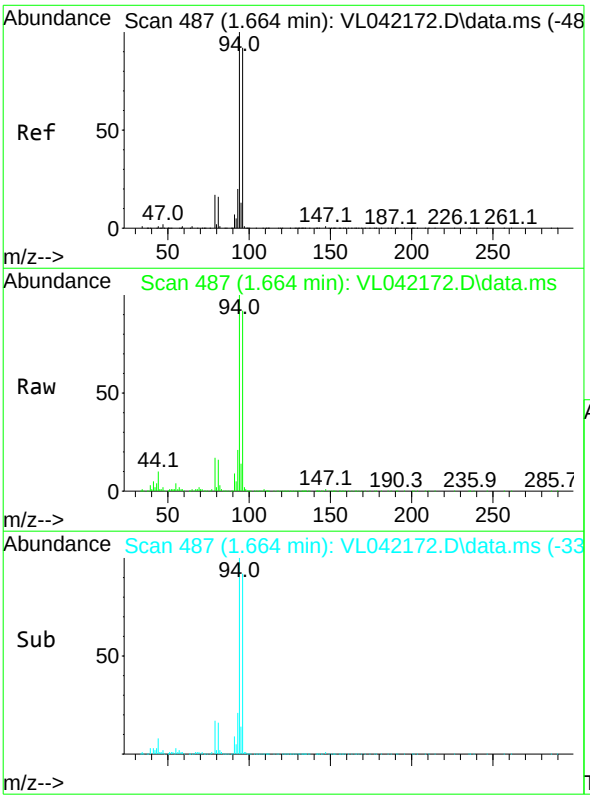
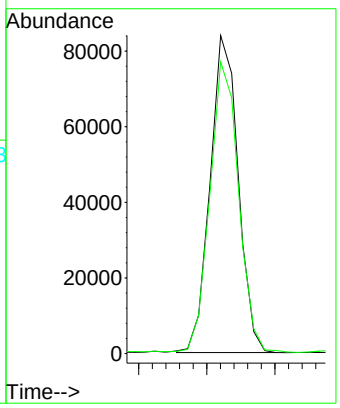
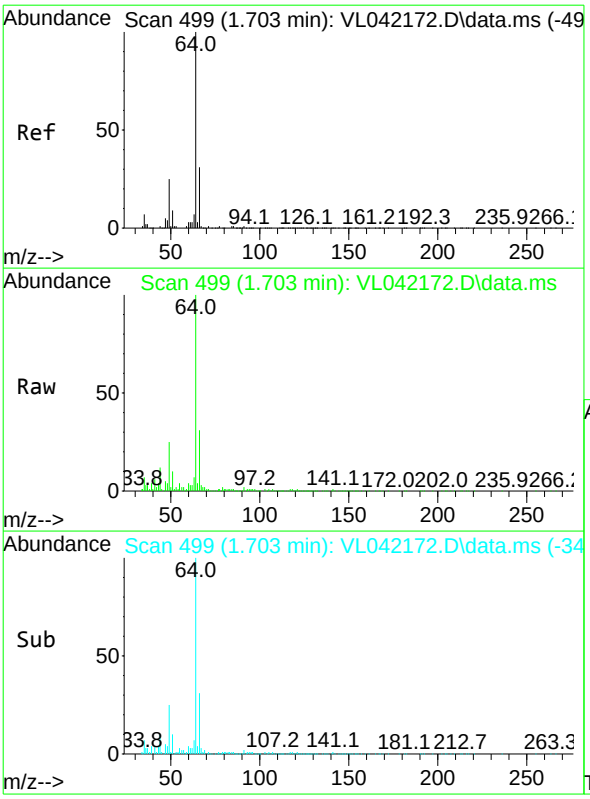


#6
Bromomethane
Concen: 9.377 ppbv
RT: 1.664 min Scan# 487
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 94 Resp: 47950

Ion	Ratio	Lower	Upper
94	100		
96	91.4	73.1	109.7

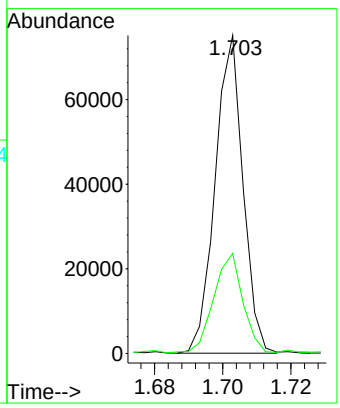




#7
Chloroethane
Concen: 9.387 ppbv
RT: 1.703 min Scan# 49
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 64 Resp: 42516

Ion	Ratio	Lower	Upper
64	100		
66	31.5	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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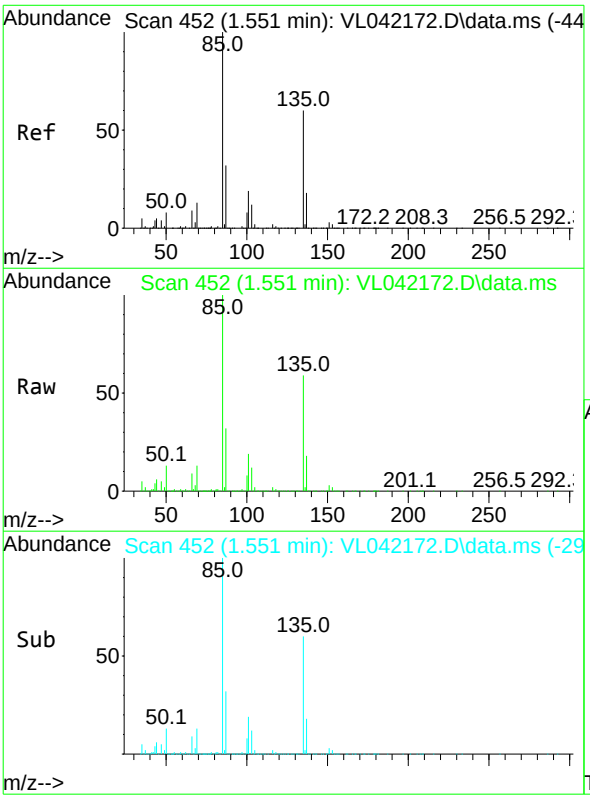
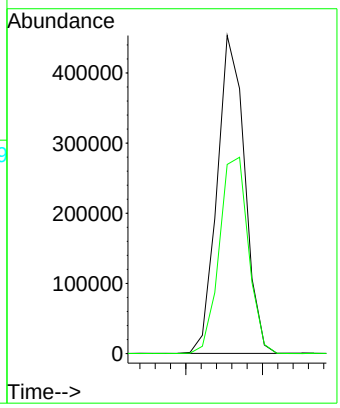
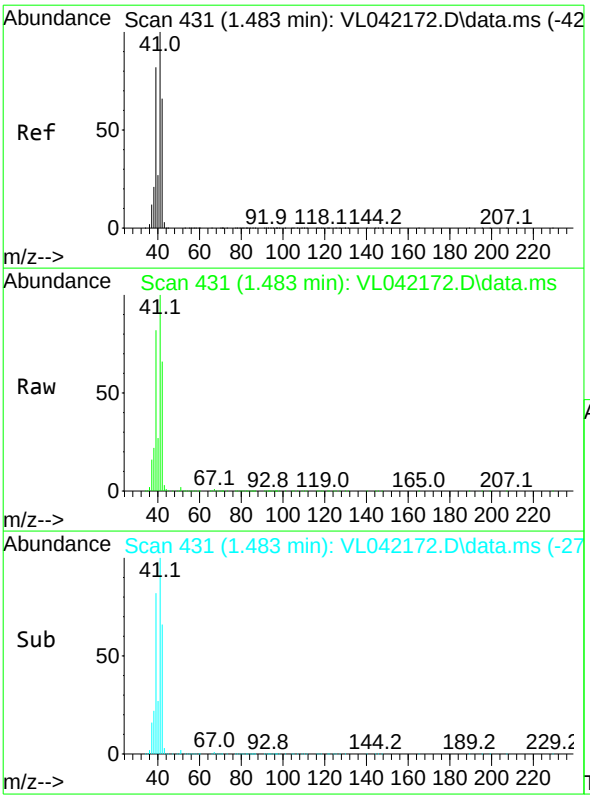


#8
Dichlorotetrafluoroethane
Concen: 9.656 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 85 Resp: 227041

Ion	Ratio	Lower	Upper
85	100		
135	65.5	52.4	78.6

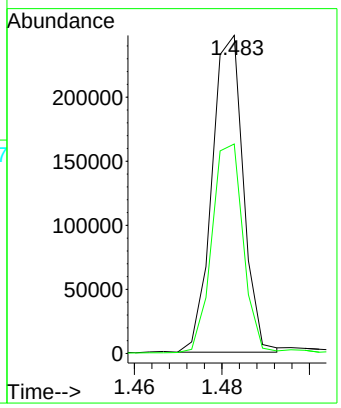




#9
Propene
Concen: 9.709 ppbv
RT: 1.483 min Scan# 43
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 41 Resp: 123386

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.4	83.2



Instrument :
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ClientSampleId :
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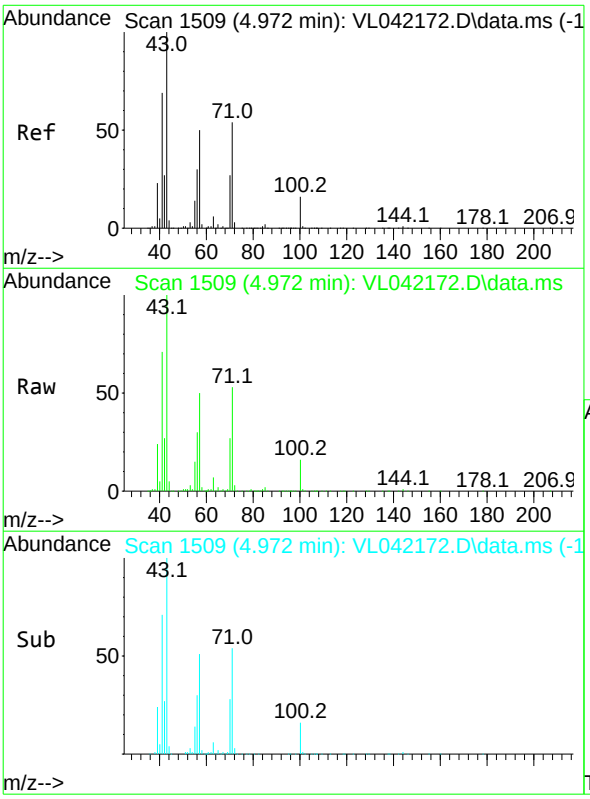
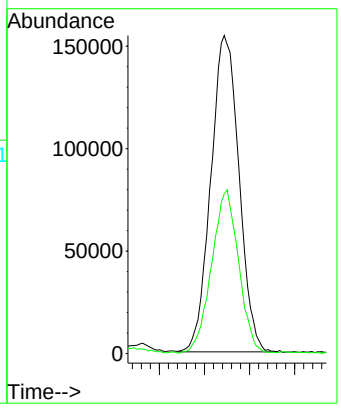
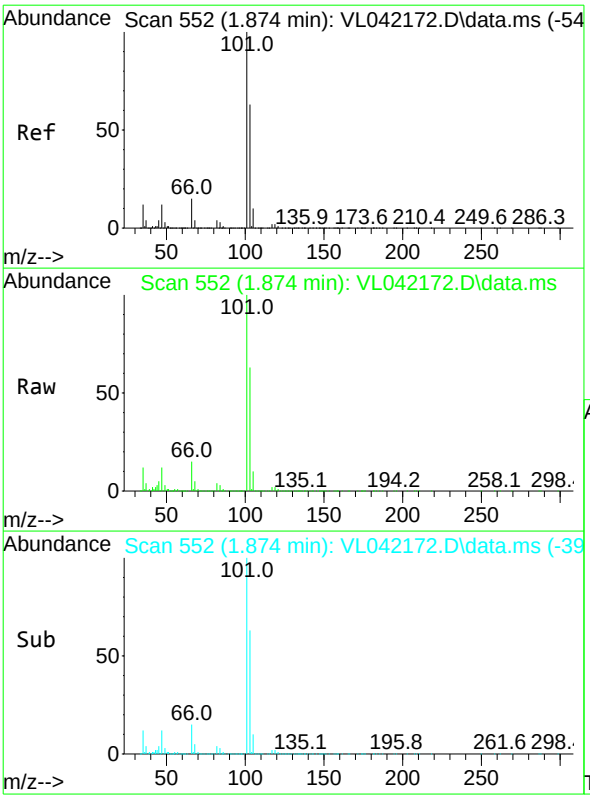


#10
Heptane
Concen: 9.744 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 335086

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.4	59.2





#11
Trichlorofluoromethane
Concen: 9.318 ppbv
RT: 1.874 min Scan# 55
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:101 Resp: 250349

Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.2	75.2

Instrument :
MSVOA_L
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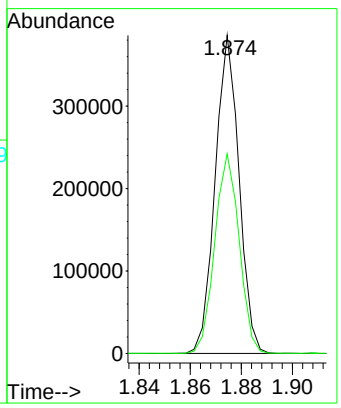
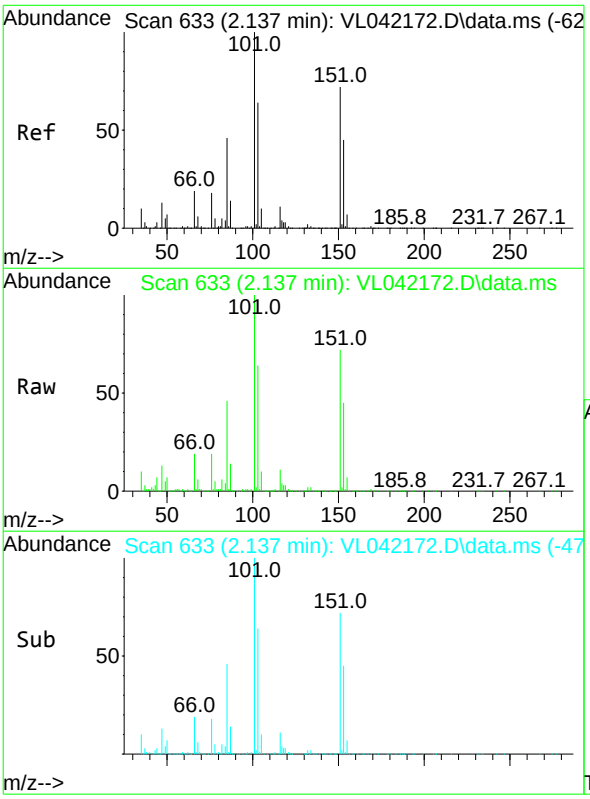
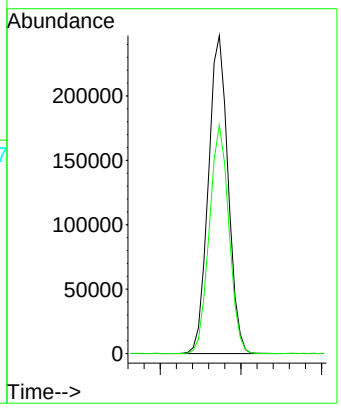


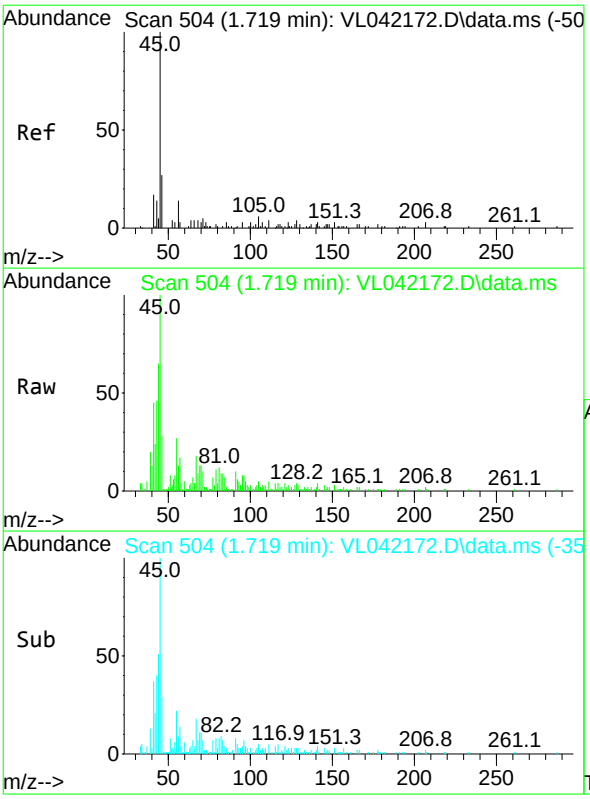


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.481 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:101 Resp: 209365

Ion	Ratio	Lower	Upper
101	100		
151	71.4	57.1	85.7

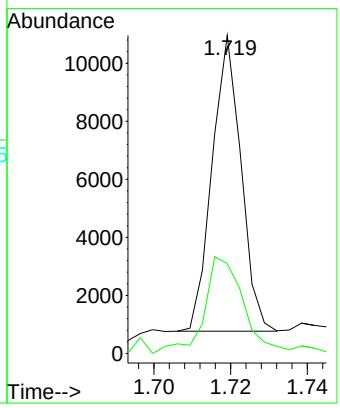




#13
Ethanol
Concen: 5.364 ppbv
RT: 1.719 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 45 Resp: 5338

Ion	Ratio	Lower	Upper
45	100		
46	50.5	20.2	80.8



Instrument :
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ClientSampleId :
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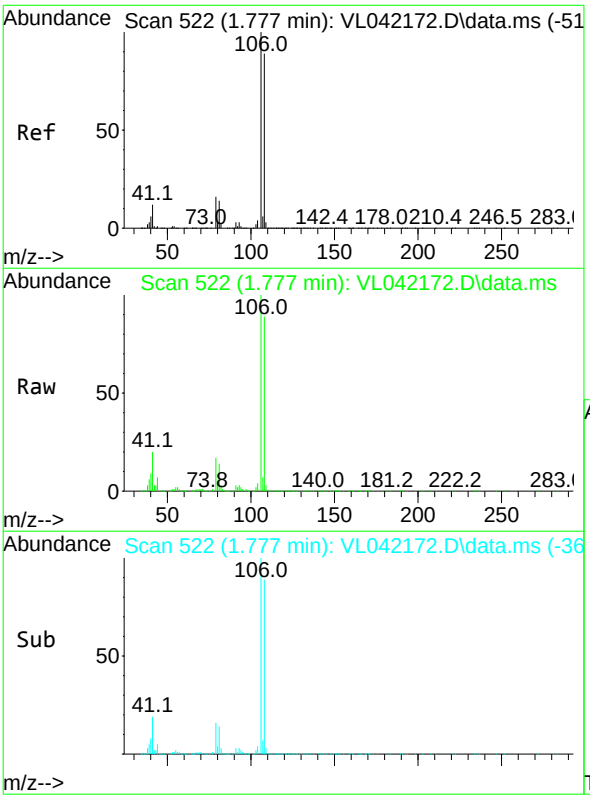
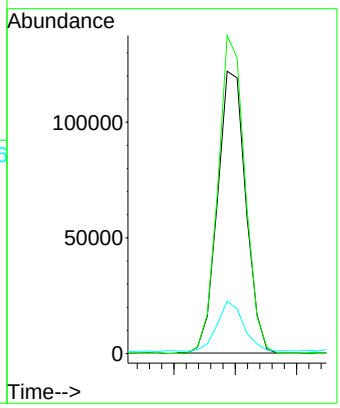
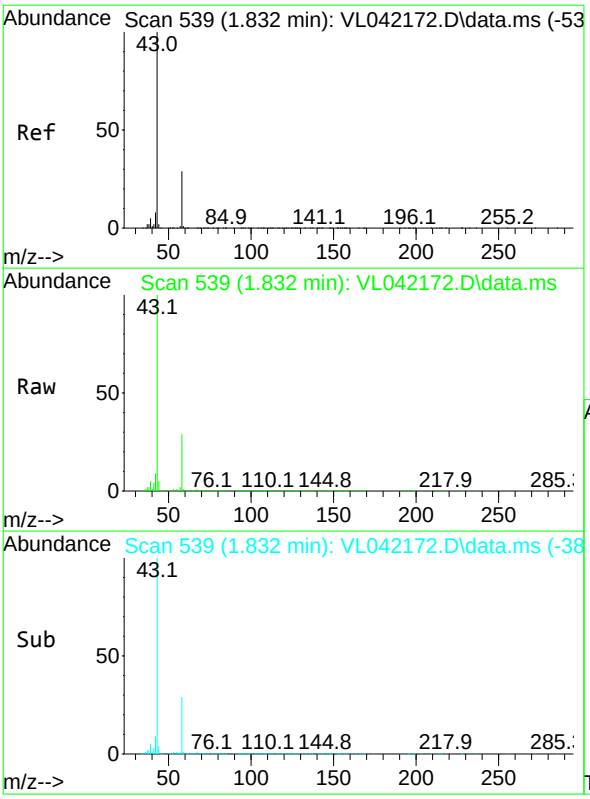


#14
Bromoethene
Concen: 9.220 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:108 Resp: 77999

Ion	Ratio	Lower	Upper
108	100		
106	108.5	86.8	130.2
79	18.8	15.0	22.6

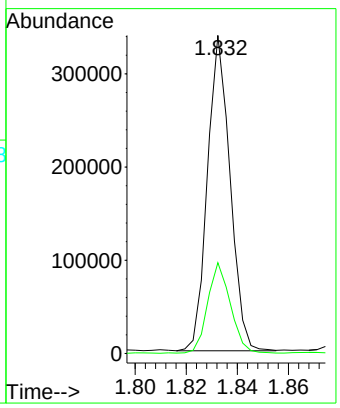




#15
Acetone
Concen: 7.955 ppbv
RT: 1.832 min Scan# 53
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 208061

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.2	34.8



Instrument :
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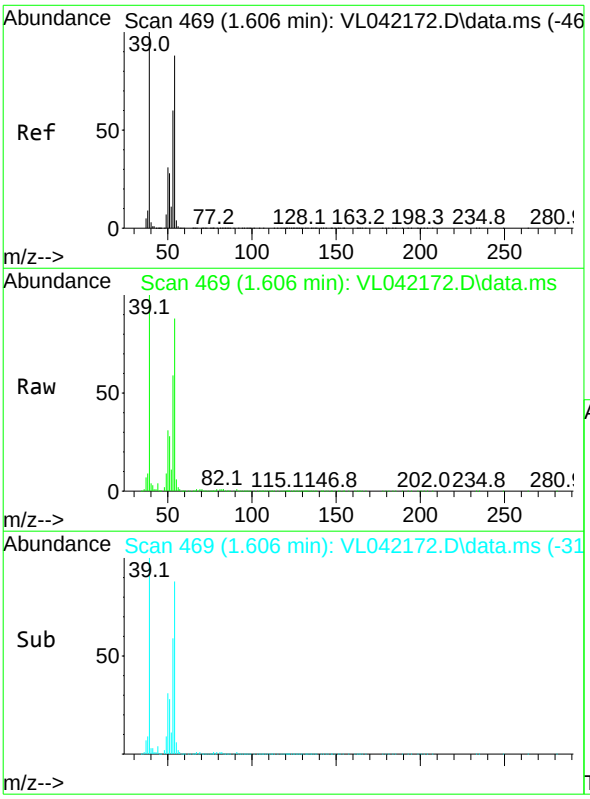
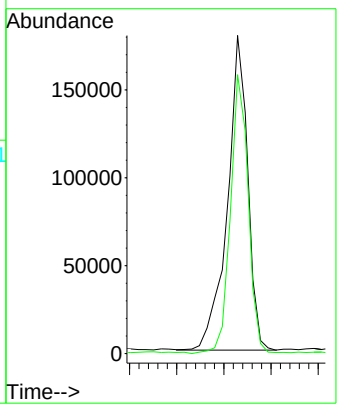
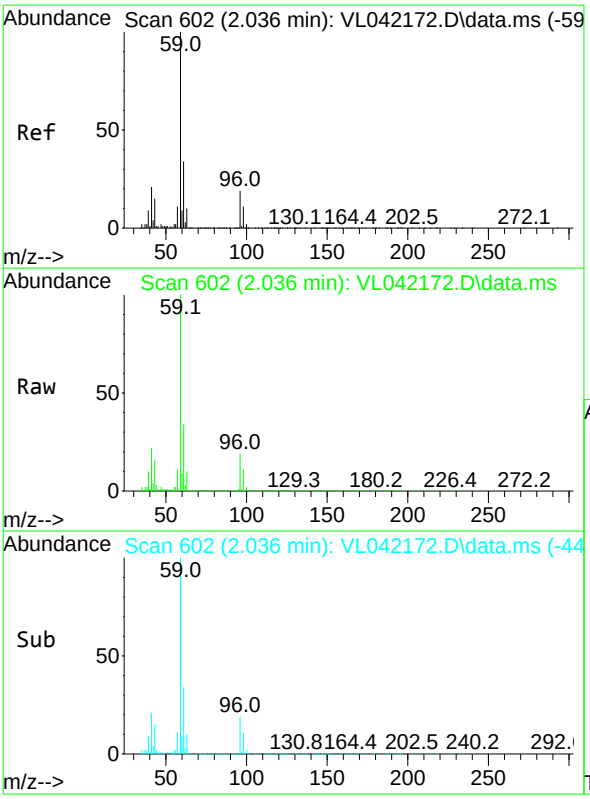


#16
1,3-Butadiene
Concen: 9.105 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 39 Resp: 107104

Ion	Ratio	Lower	Upper
39	100		
54	75.9	60.7	91.1

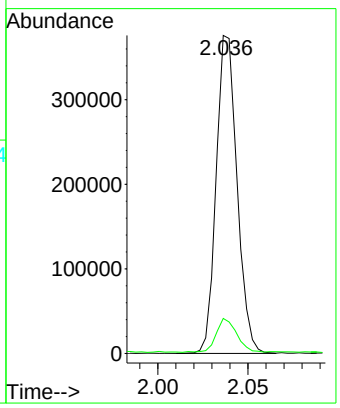




#17
tert-Butyl alcohol
Concen: 9.290 ppbv
RT: 2.036 min Scan# 60
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 59 Resp: 302616

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3



Instrument :
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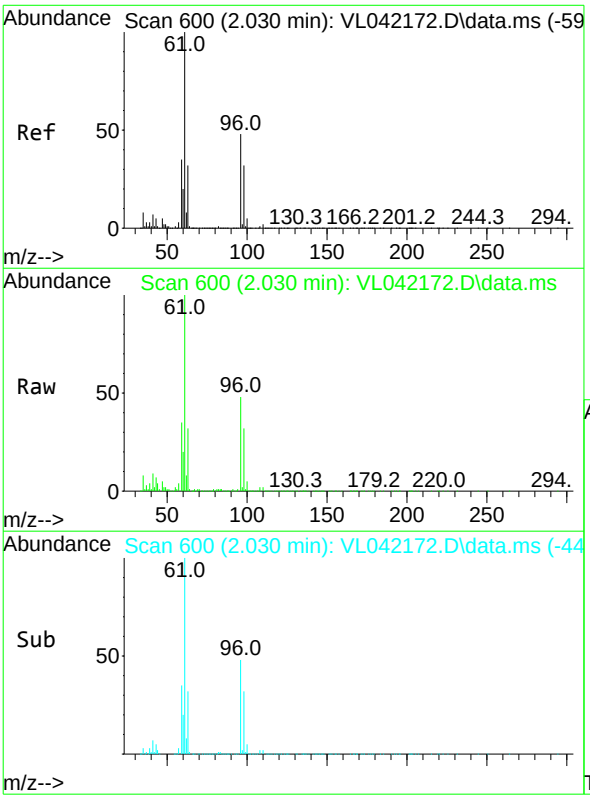
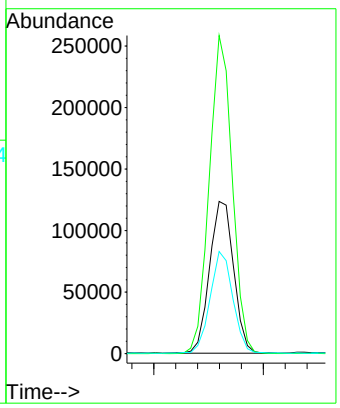
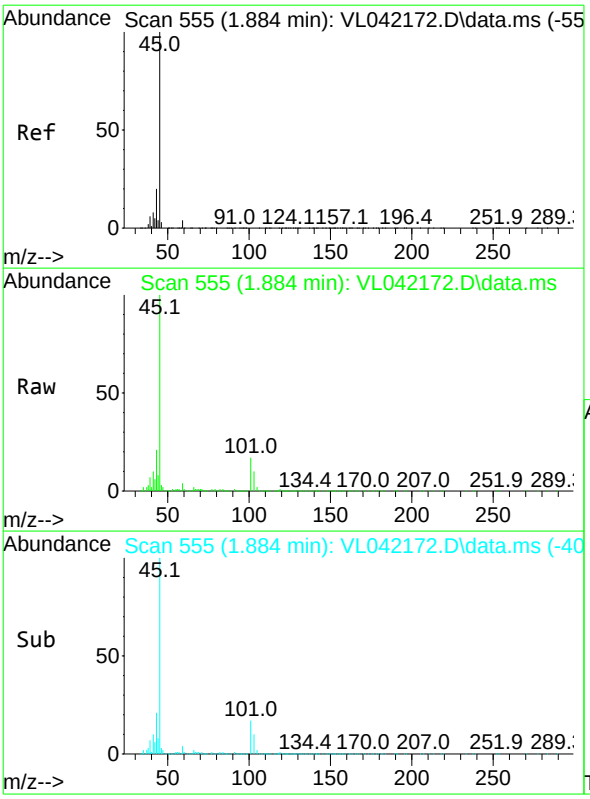


#18
1,1-Dichloroethene
Concen: 9.128 ppbv
RT: 2.030 min Scan# 600
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 96 Resp: 94236

Ion	Ratio	Lower	Upper
96	100		
61	209.5	167.6	251.4
98	66.9	53.5	80.3

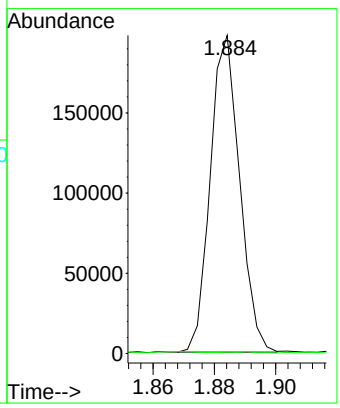




#19
Isopropyl Alcohol
Concen: 8.902 ppbv
RT: 1.884 min Scan# 55
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 45 Resp: 131359

Ion	Ratio	Lower	Upper
45	100		
58	46.1	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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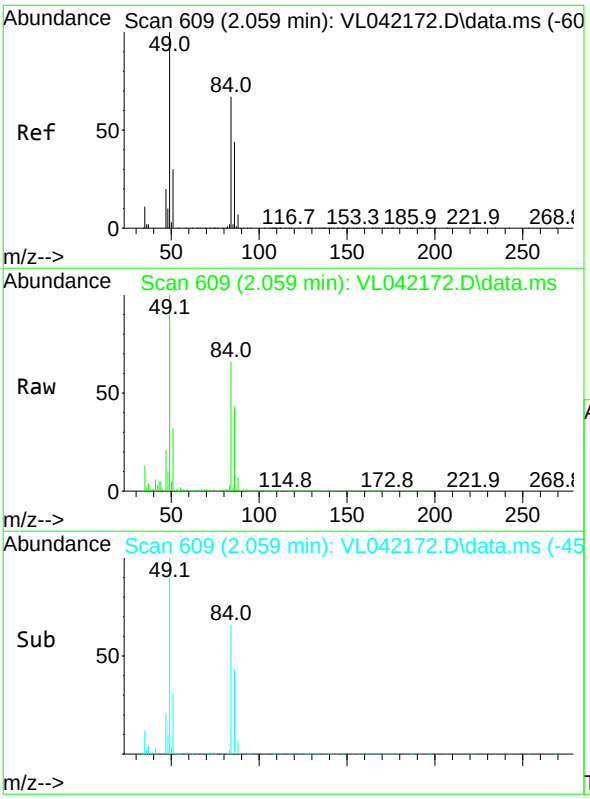
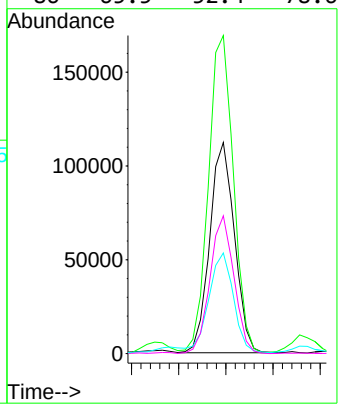
Supervised By :Mahesh Dadoda 04/03/2025

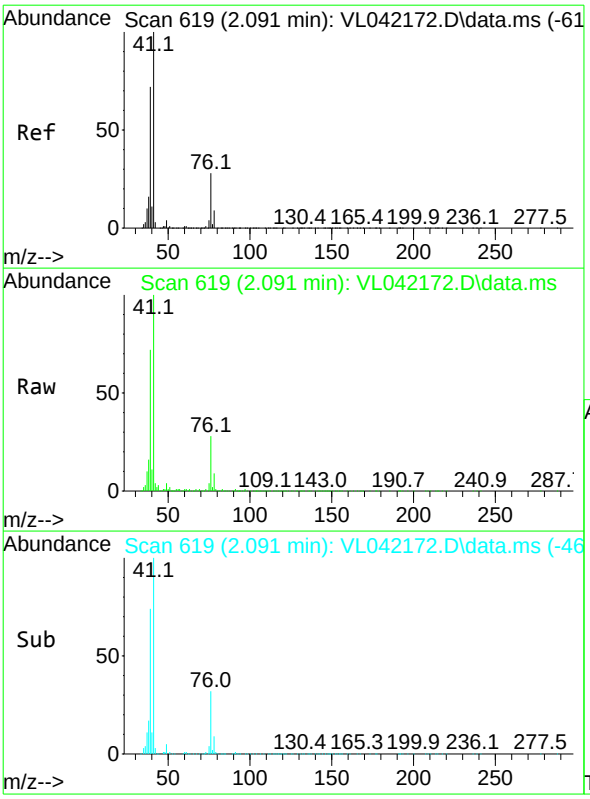


#20
Methylene Chloride
Concen: 8.401 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 84 Resp: 81828

Ion	Ratio	Lower	Upper
84	100		
49	150.3	120.2	180.4
51	46.7	37.4	56.0
86	65.5	52.4	78.6

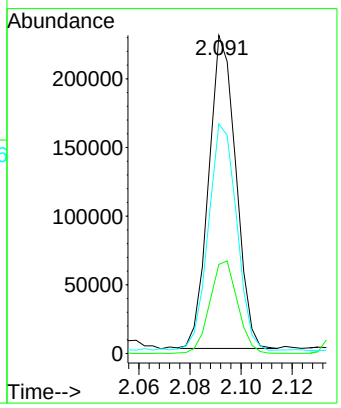




#21
Allyl Chloride
Concen: 9.141 ppbv
RT: 2.091 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 41 Resp: 168602

Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.1	36.1
39	76.4	61.1	91.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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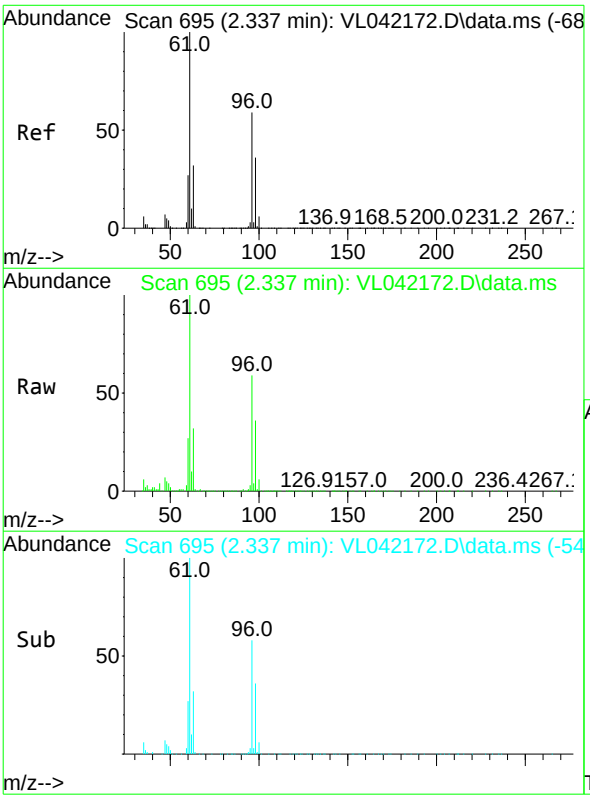
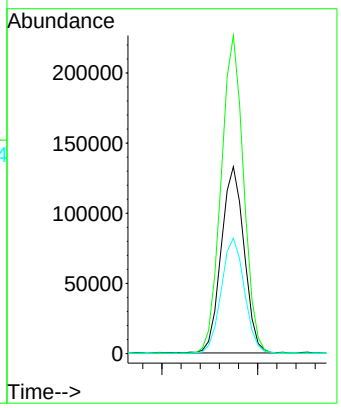
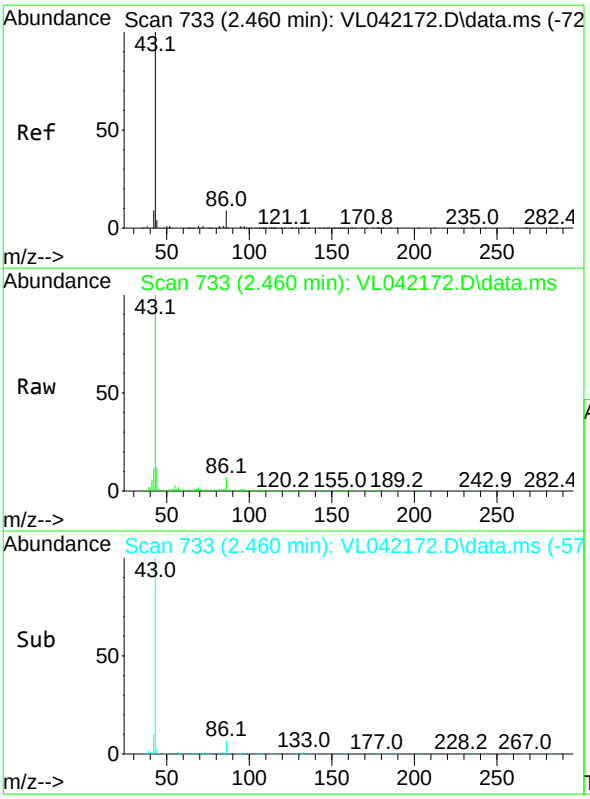


#22
trans-1,2-Dichloroethene
Concen: 9.149 ppbv
RT: 2.337 min Scan# 695
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 96 Resp: 110371

Ion	Ratio	Lower	Upper
96	100		
61	170.7	136.6	204.8
98	61.8	49.4	74.2

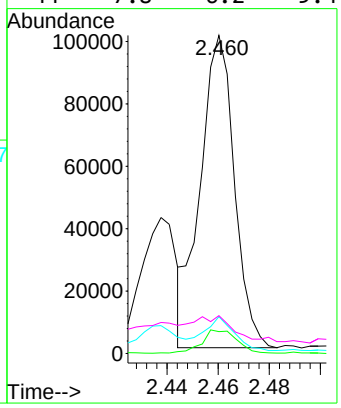




#23
Vinyl Acetate
Concen: 8.563 ppbv
RT: 2.460 min Scan# 73
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 93080

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	10.8	8.6	13.0
44	7.8	6.2	9.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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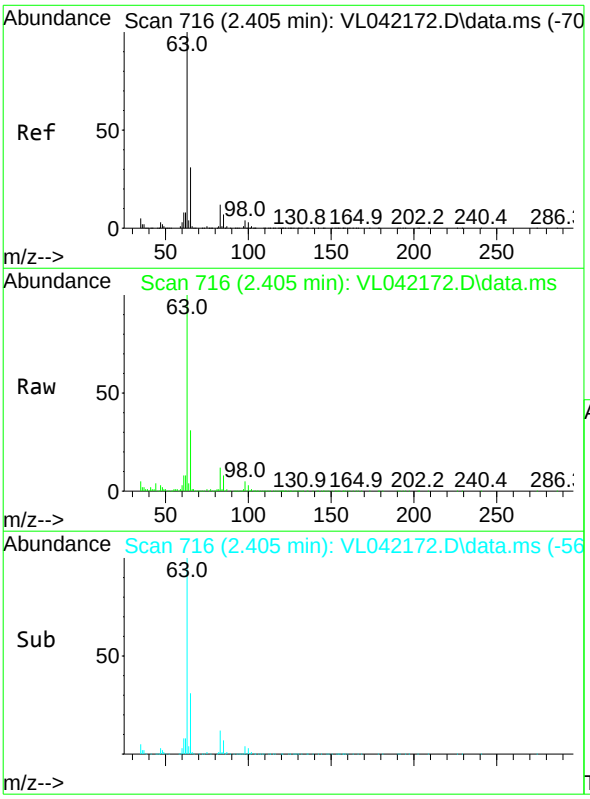
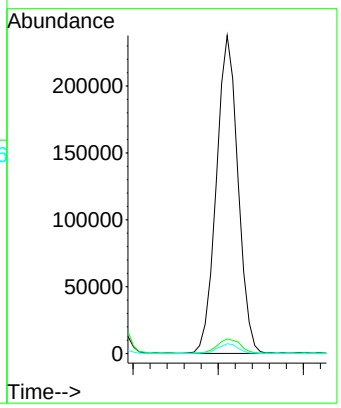
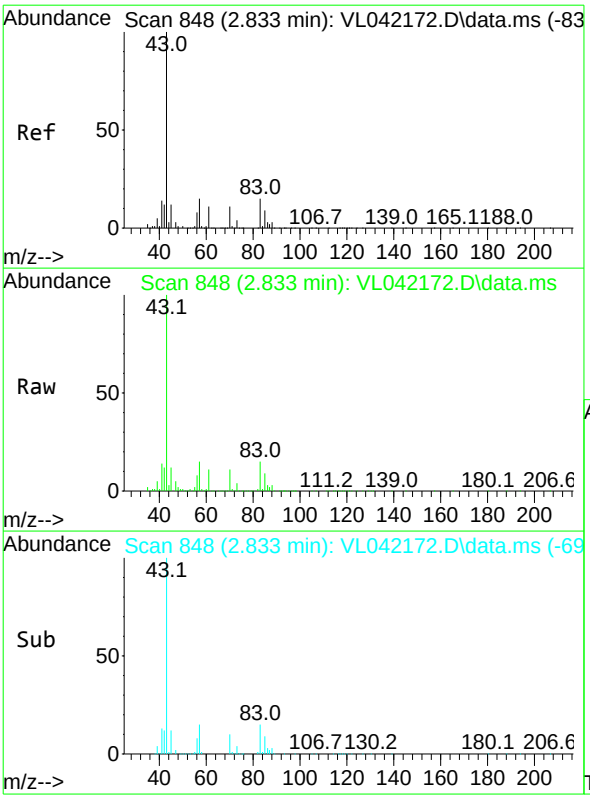


#24
1,1-Dichloroethane
Concen: 9.484 ppbv
RT: 2.405 min Scan# 716
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 63 Resp: 209753

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	3.1	1.6	4.7

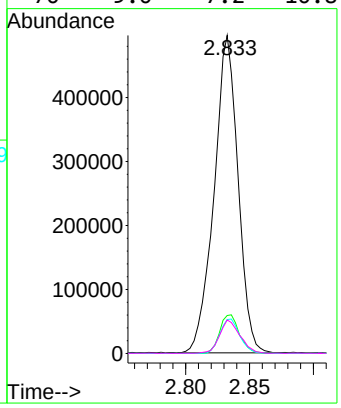




#25
Ethyl Acetate
Concen: 9.524 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 646501

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.1	7.3	10.9
70	9.0	7.2	10.8



Instrument :
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ClientSampleId :
VSTDICCC010

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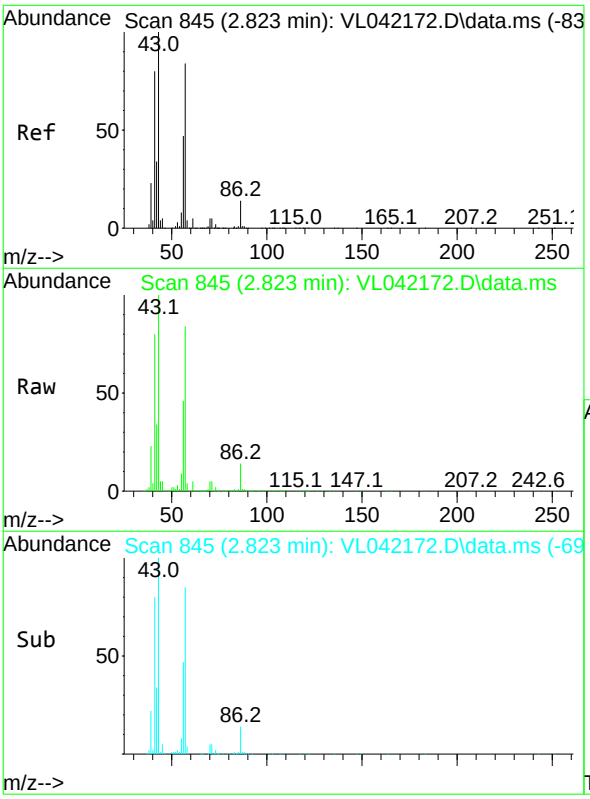
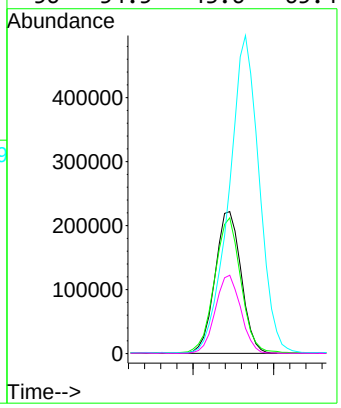
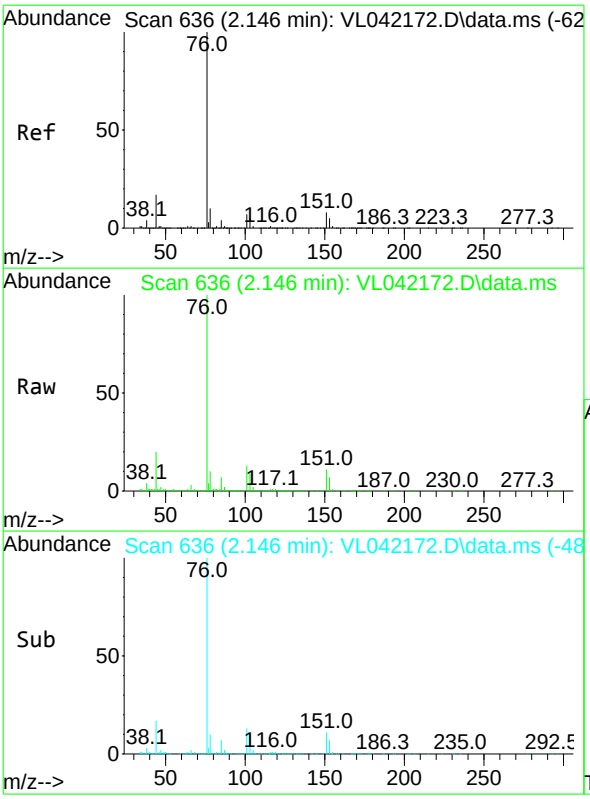


#26
Hexane
Concen: 9.510 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 57 Resp: 249331

Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.6	114.8
43	259.8	207.8	311.8
56	54.5	43.6	65.4





#27
Carbon Disulfide
Concen: 9.550 ppbv
RT: 2.146 min Scan# 63
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 76 Resp: 268507

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.7	22.1
78	11.6	9.3	13.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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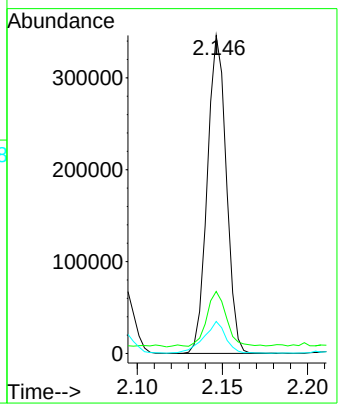
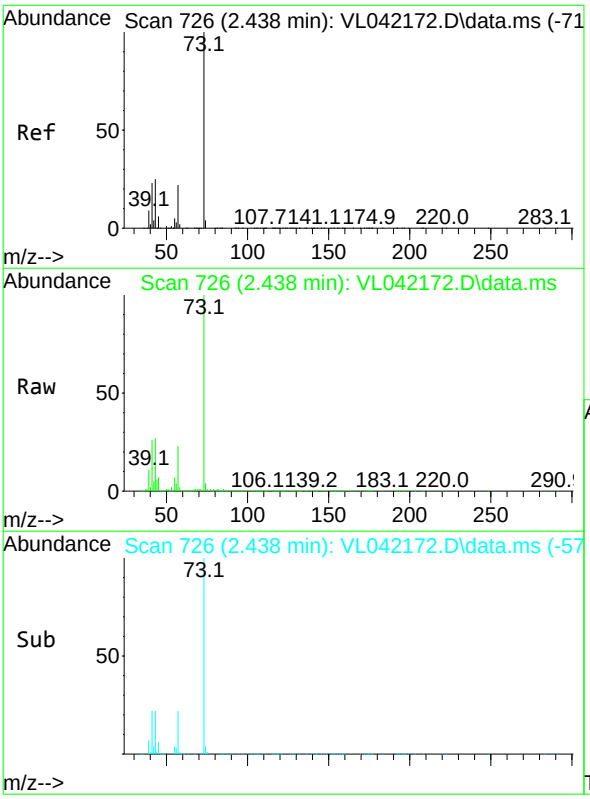
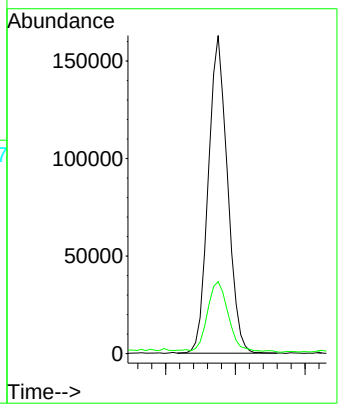


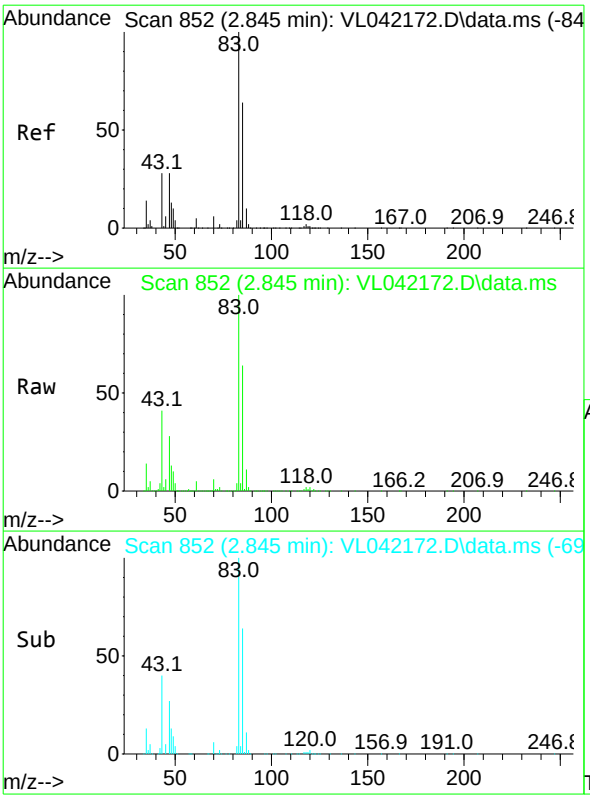


#28
Methyl tert-Butyl Ether
Concen: 9.520 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 73 Resp: 155398

Ion	Ratio	Lower	Upper
73	100		
57	25.6	20.5	30.7

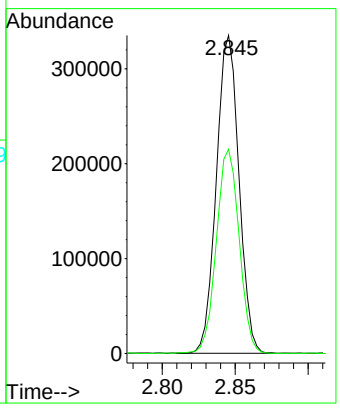




#29
Chloroform
Concen: 9.415 ppbv
RT: 2.845 min Scan# 85
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 83 Resp: 361264

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



Instrument :
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ClientSampleId :
VSTDICCC010

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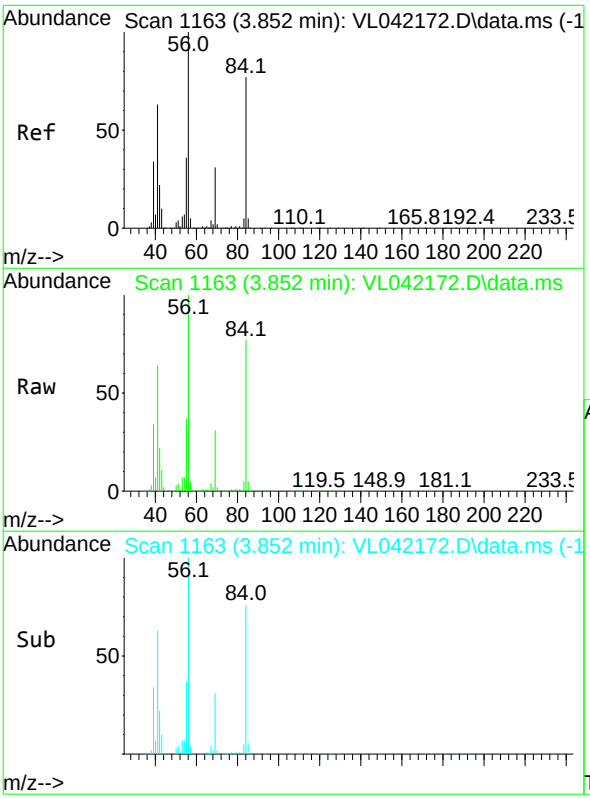
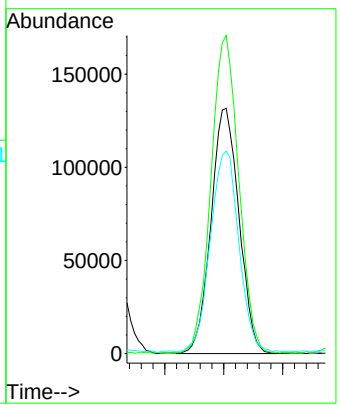
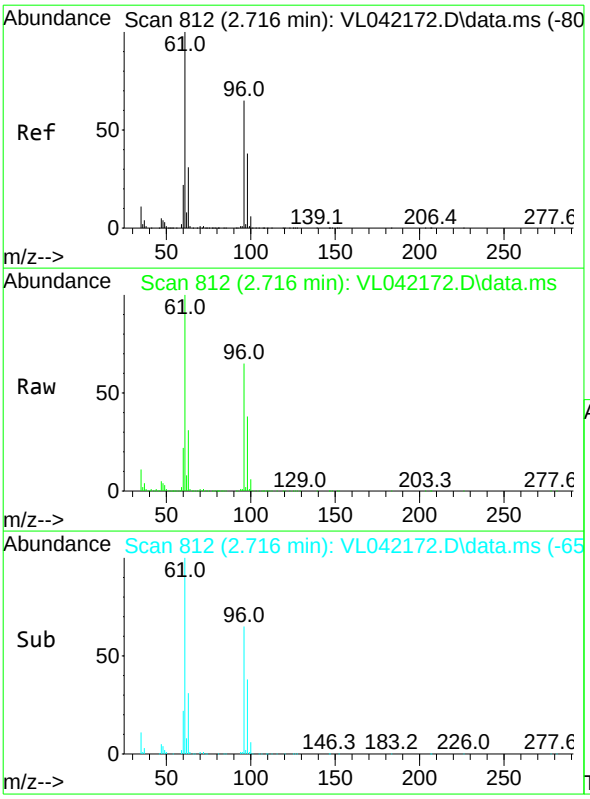


#30
Cyclohexane
Concen: 9.537 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 84 Resp: 217215

Ion	Ratio	Lower	Upper
84	100		
56	128.5	102.8	154.2
41	83.1	66.5	99.7

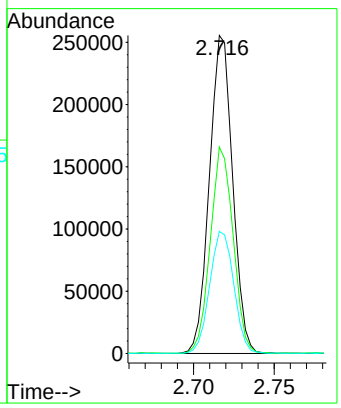




#31
cis-1,2-Dichloroethene
Concen: 9.634 ppbv
RT: 2.716 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 61 Resp: 256425

Ion	Ratio	Lower	Upper
61	100		
96	64.8	51.8	77.8
98	38.3	30.6	46.0



Instrument :
MSVOA_L
ClientSampleId :
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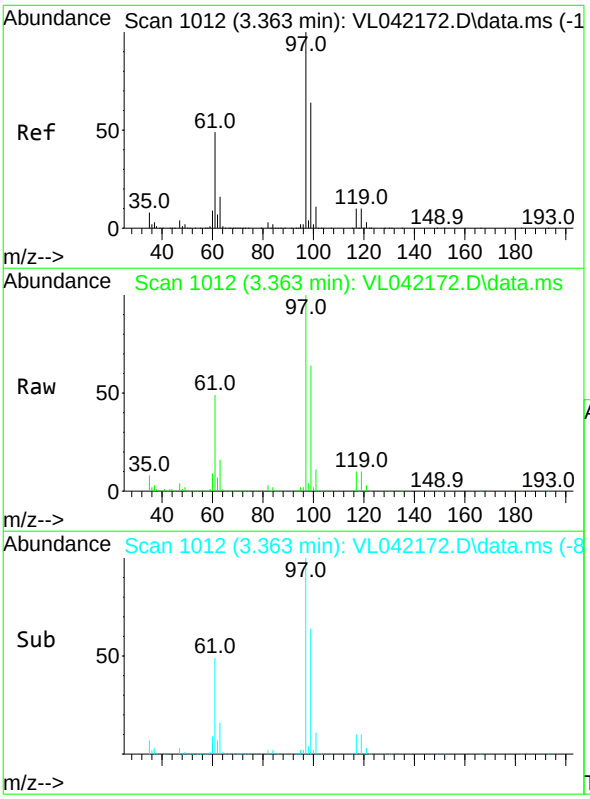
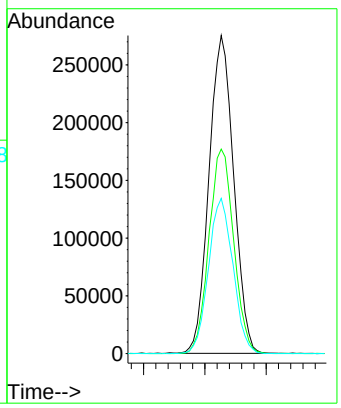
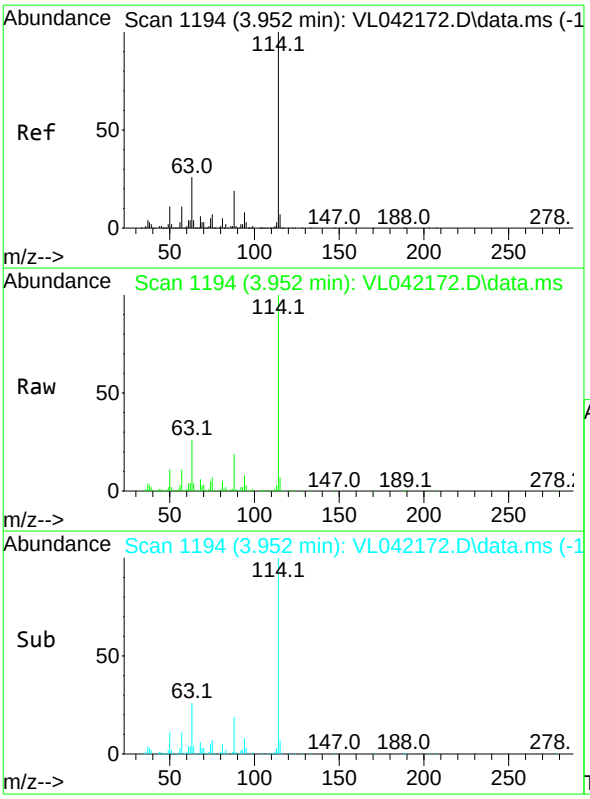


#32
1,1,1-Trichloroethane
Concen: 8.784 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 97 Resp: 385628

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	48.4	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:114 Resp: 545068

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.7	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
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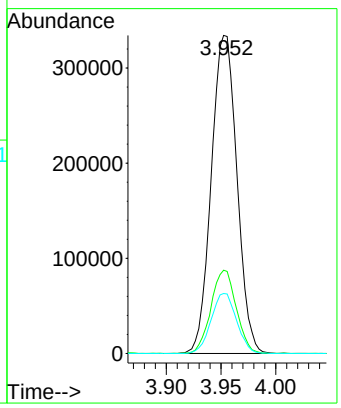
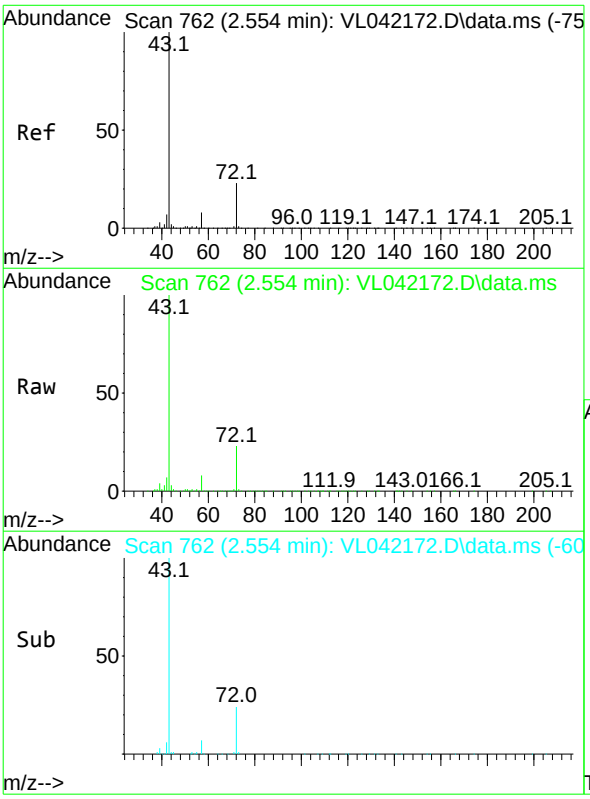
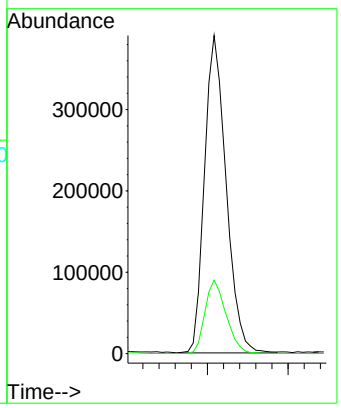


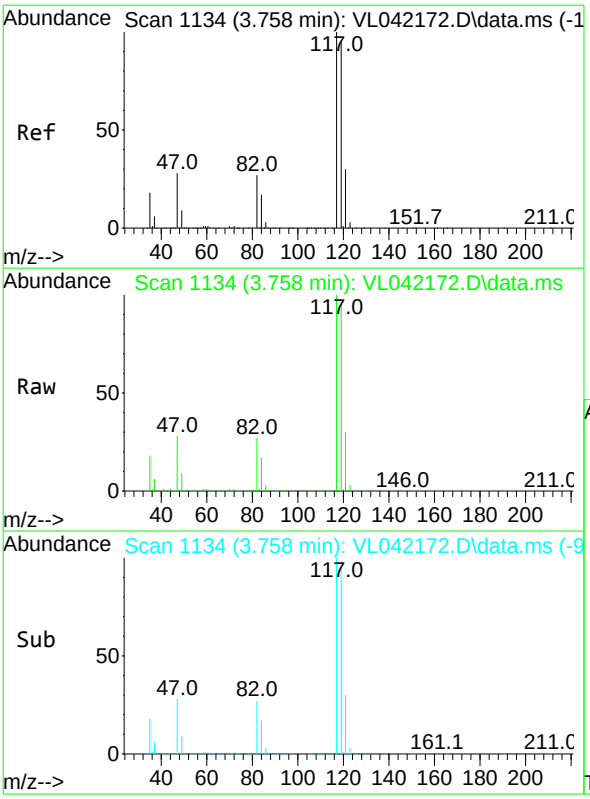


#34
2-Butanone
Concen: 9.203 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 363735

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2





#35
Carbon Tetrachloride
Concen: 9.129 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:117 Resp: 382925

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.3	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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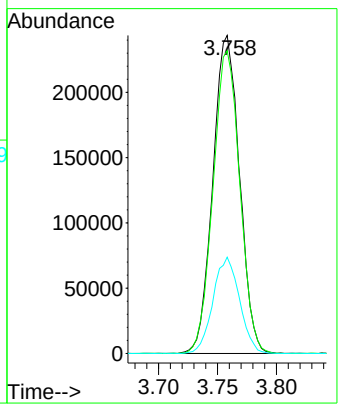
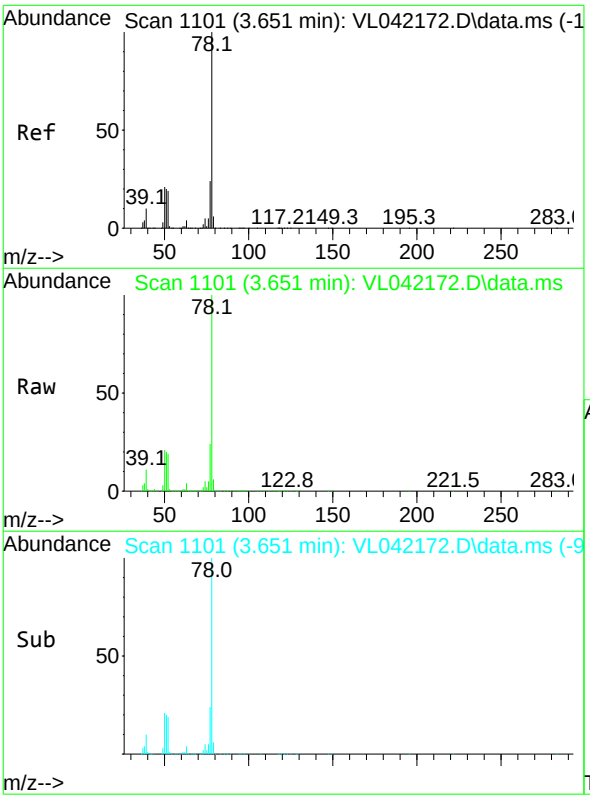
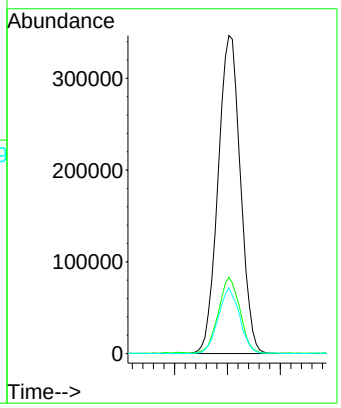


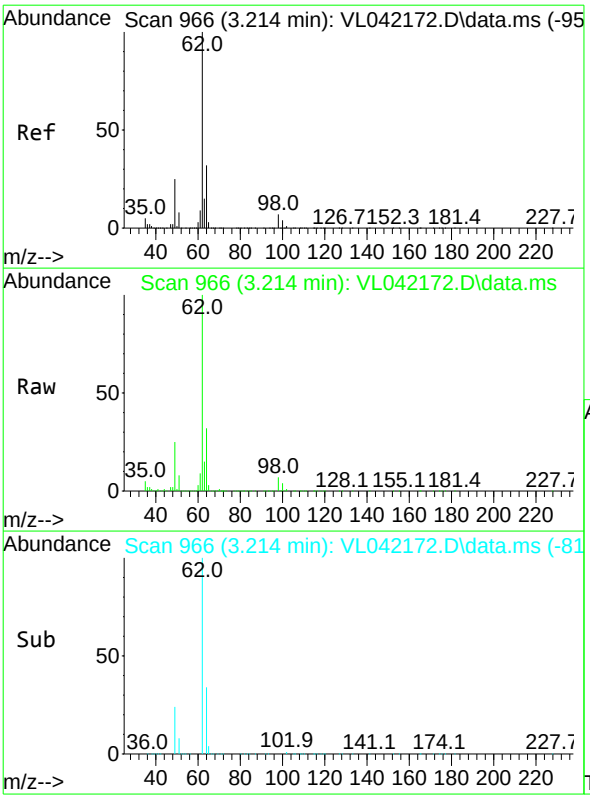


#36
Benzene
Concen: 9.417 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 78 Resp: 508860

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
50	20.7	16.6	24.8

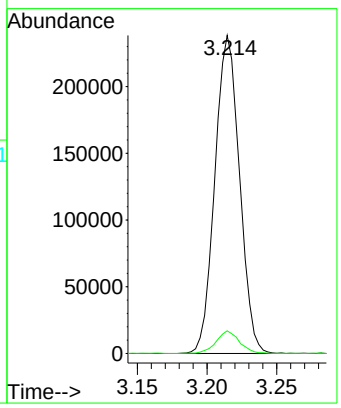




#37
1,2-Dichloroethane
Concen: 9.469 ppbv
RT: 3.214 min Scan# 96
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 62 Resp: 292937

Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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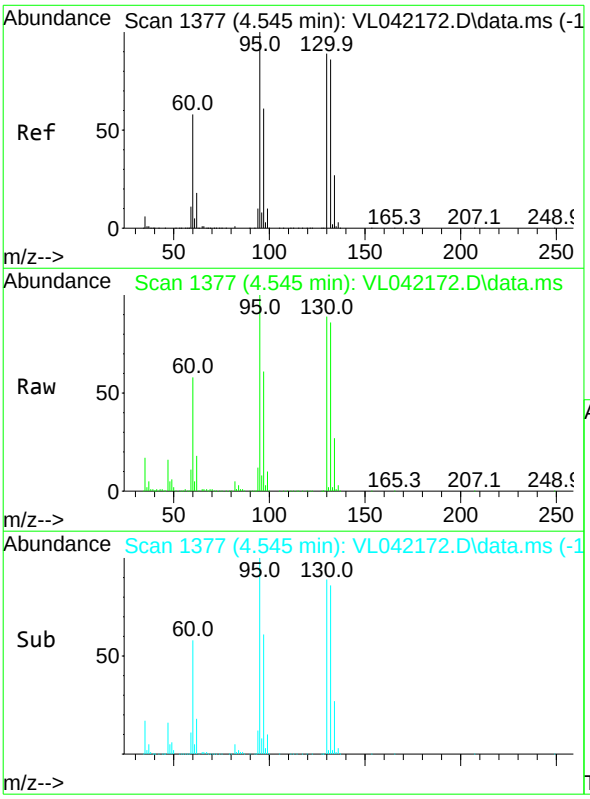
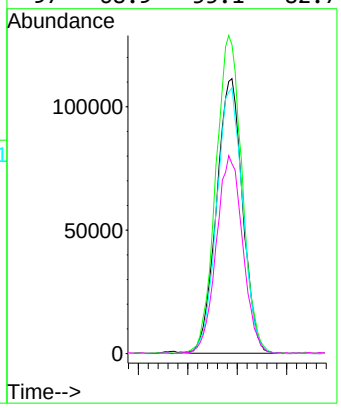
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

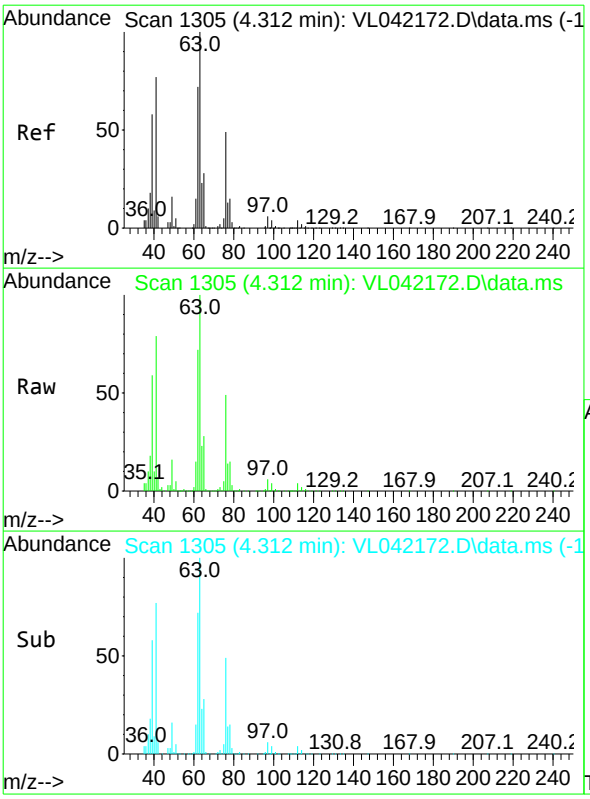


#38
Trichloroethene
Concen: 9.045 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:130 Resp: 204027

Ion	Ratio	Lower	Upper
130	100		
95	112.3	89.8	134.8
132	96.8	77.4	116.2
97	68.9	55.1	82.7

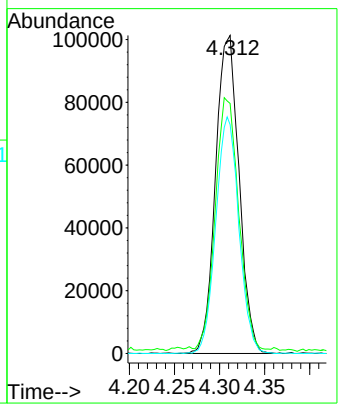




#39
1,2-Dichloropropane
Concen: 9.321 ppbv
RT: 4.312 min Scan# 13
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 63 Resp: 183439

Ion	Ratio	Lower	Upper
63	100		
41	77.1	61.7	92.5
62	72.0	57.6	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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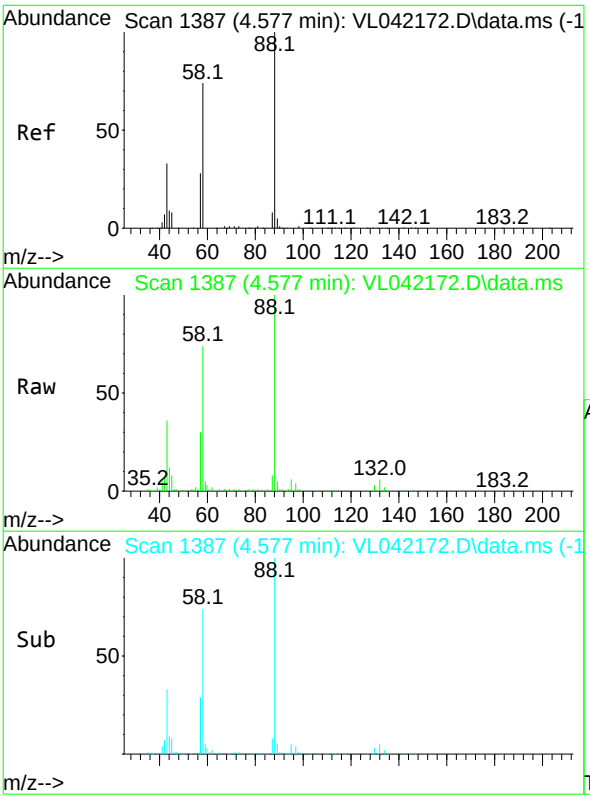
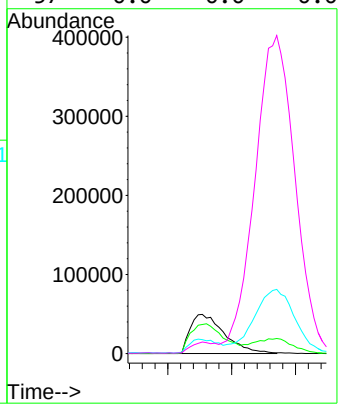
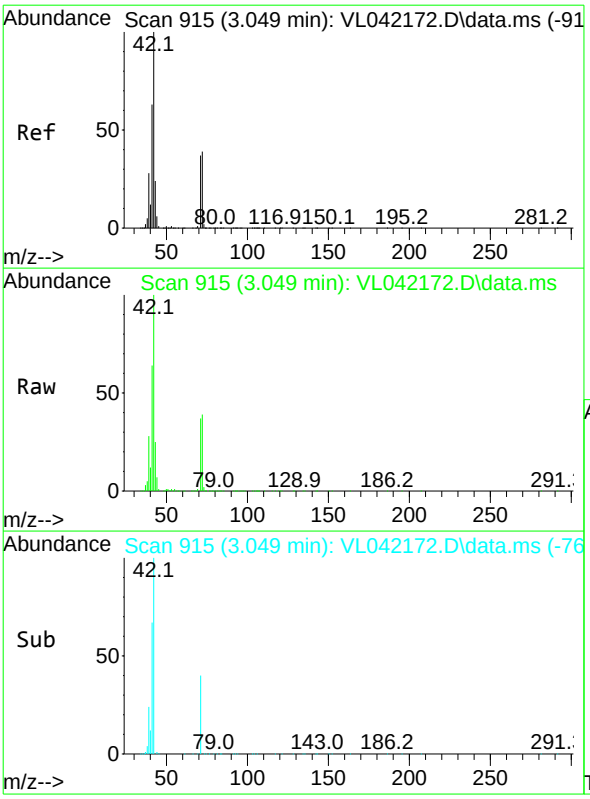


#40
1,4-Dioxane
Concen: 9.042 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 88 Resp: 92327

Ion	Ratio	Lower	Upper
88	100		
58	78.4	62.7	94.1
43	28.7	23.0	34.4
57	0.0	0.0	0.0

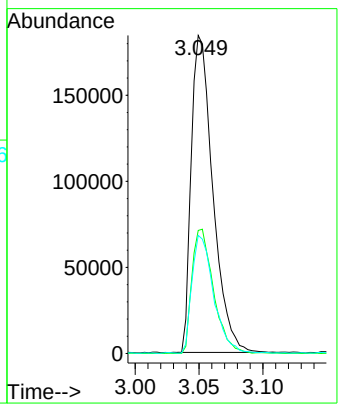




#41
Tetrahydrofuran
Concen: 9.643 ppbv
RT: 3.049 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 42 Resp: 216851

Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.0
71	37.8	30.2	45.4



Instrument :
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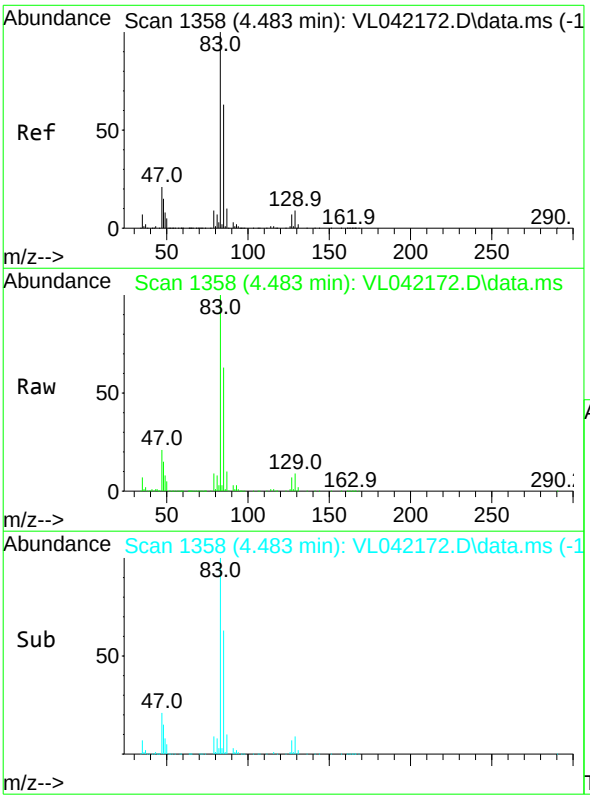
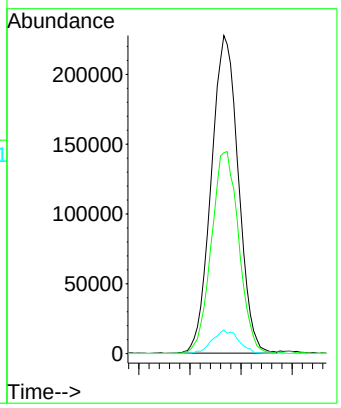
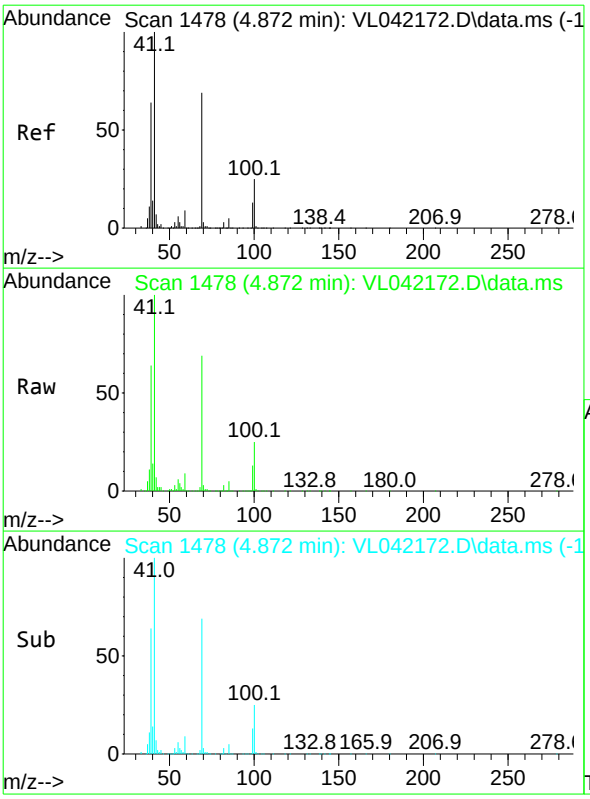


#42
Bromodichloromethane
Concen: 9.822 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 83 Resp: 418887

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	7.4	5.9	8.9

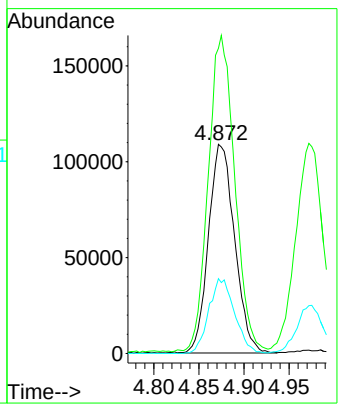




#43
Methyl Methacrylate
Concen: 9.618 ppbv
RT: 4.872 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 69 Resp: 219399

Ion	Ratio	Lower	Upper
69	100		
41	154.7	123.8	185.6
100	35.5	28.4	42.6



Instrument :
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ClientSampleId :
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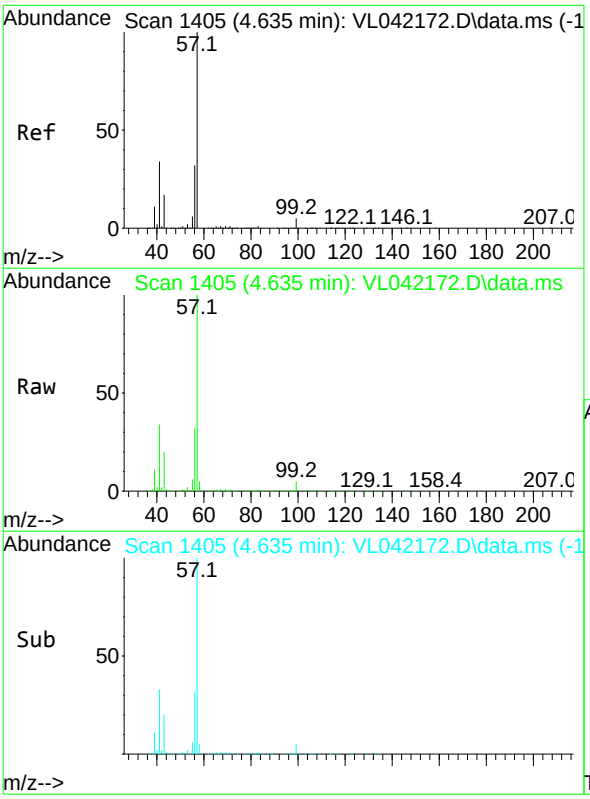
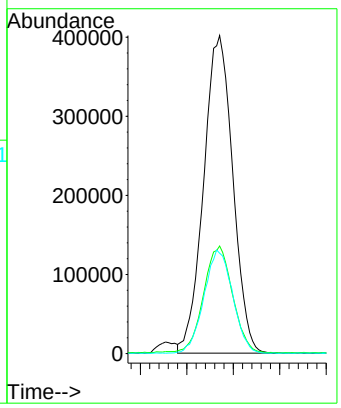
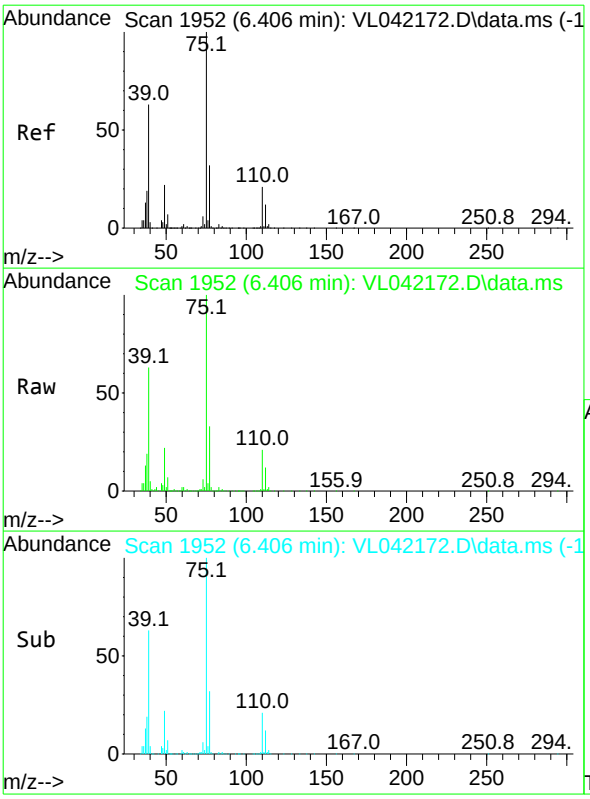


#44
2,2,4-Trimethylpentane
Concen: 9.600 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 57 Resp: 876649

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.8	40.2
56	32.0	25.6	38.4

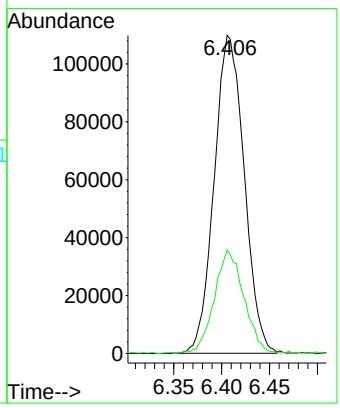




#45
t-1,3-Dichloropropene
Concen: 9.746 ppbv
RT: 6.406 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 75 Resp: 239180

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0



Instrument :
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ClientSampleId :
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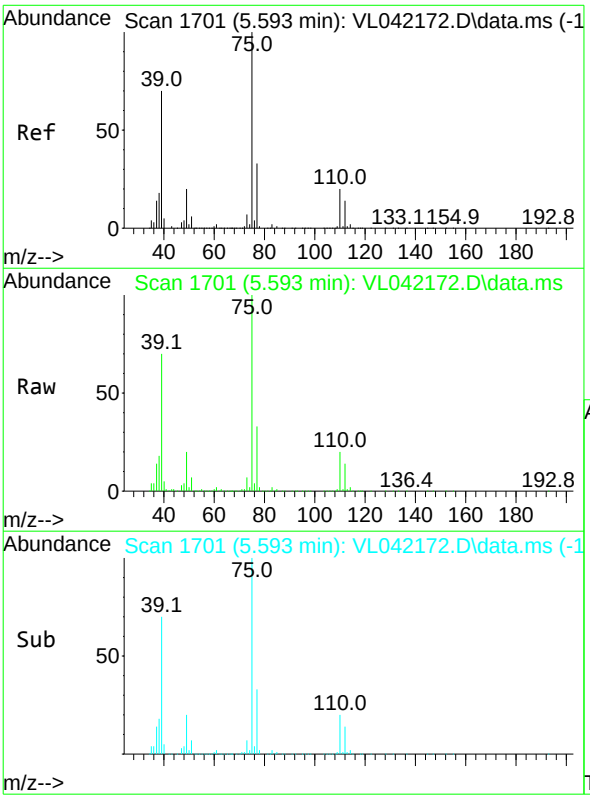
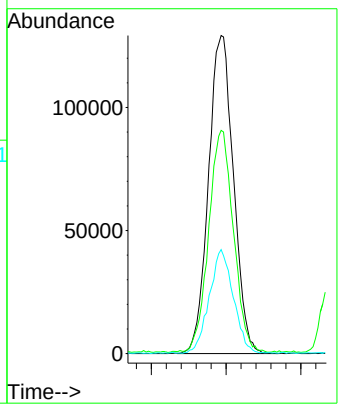
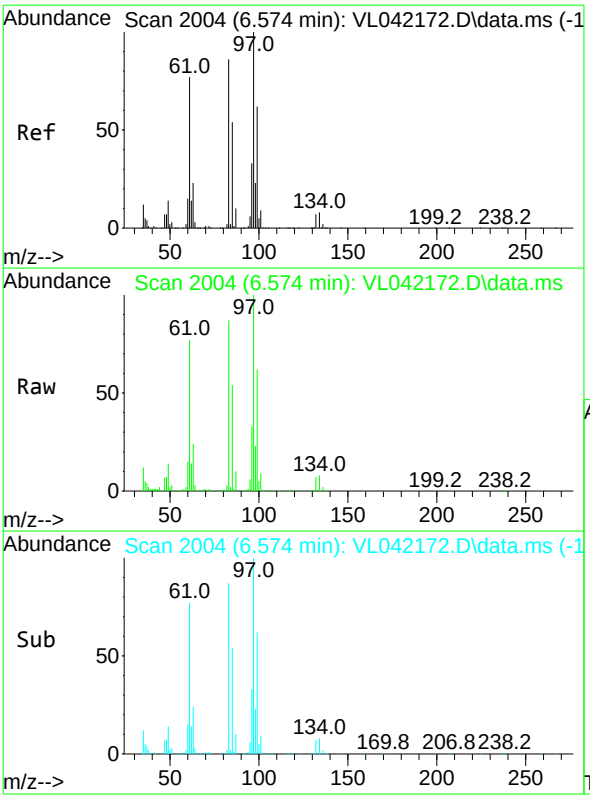


#46
cis-1,3-Dichloropropene
Concen: 9.973 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 75 Resp: 300021

Ion	Ratio	Lower	Upper
75	100		
39	69.7	55.8	83.6
77	32.5	26.0	39.0

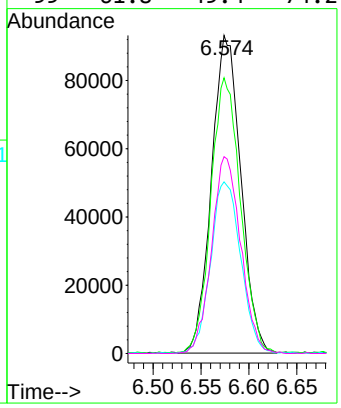




#47
1,1,2-Trichloroethane
Concen: 9.526 ppbv
RT: 6.574 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 97 Resp: 198176

Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.2	103.8
85	53.9	43.1	64.7
99	61.8	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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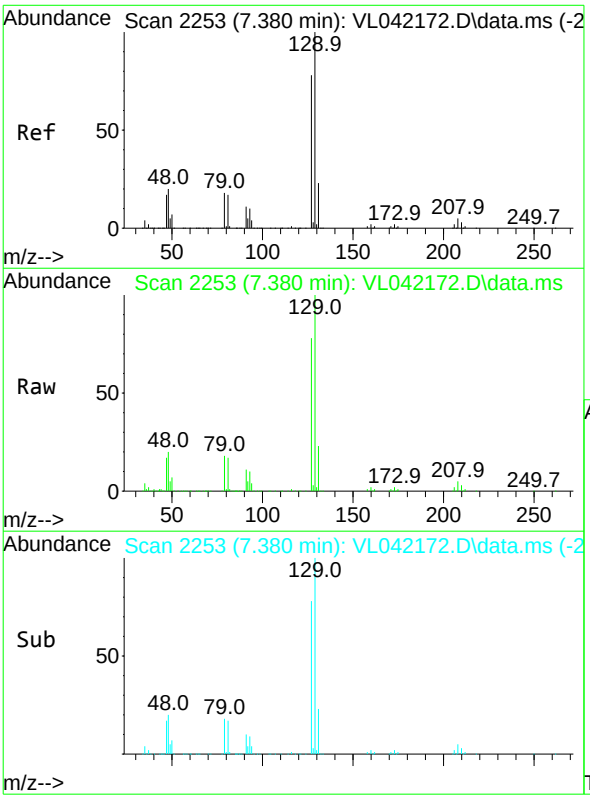
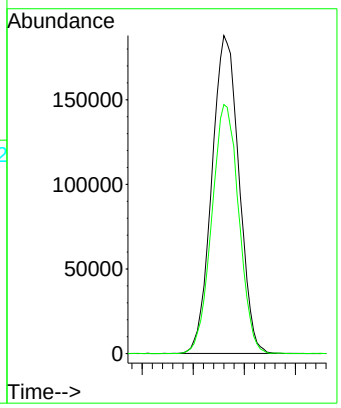
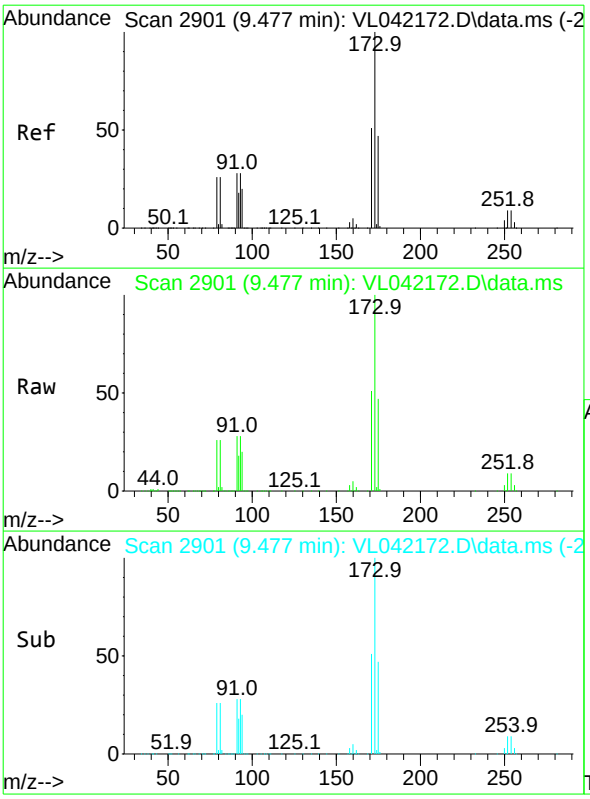


#48
Dibromochloromethane
Concen: 9.828 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:129 Resp: 346499

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

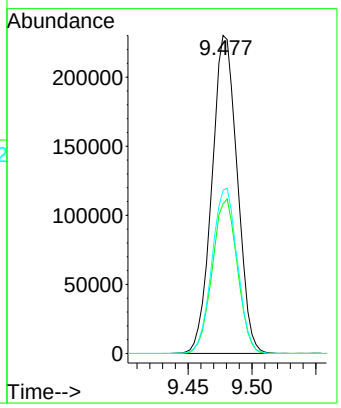




#49
Bromoform
Concen: 10.021 ppbv
RT: 9.477 min Scan# 29
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:173 Resp: 317189

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.6	57.8
171	52.2	41.8	62.6



Instrument :
MSVOA_L
ClientSampleId :
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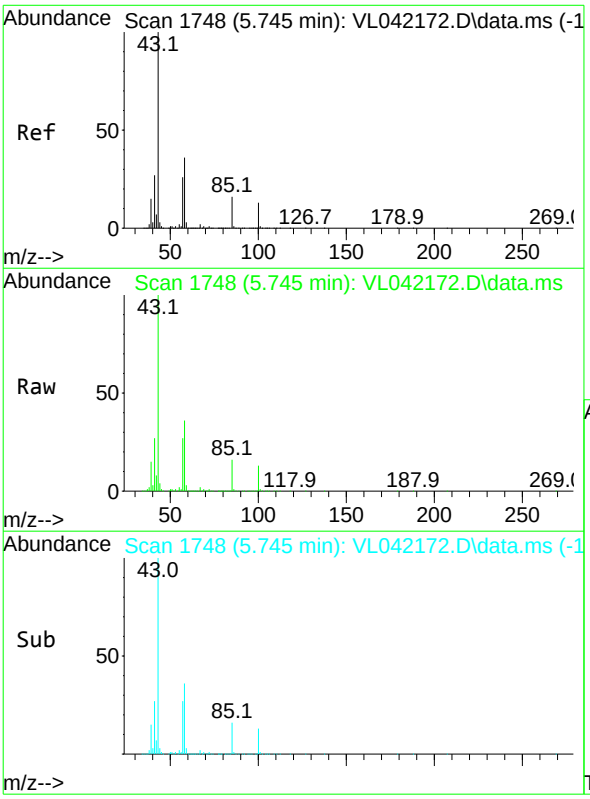
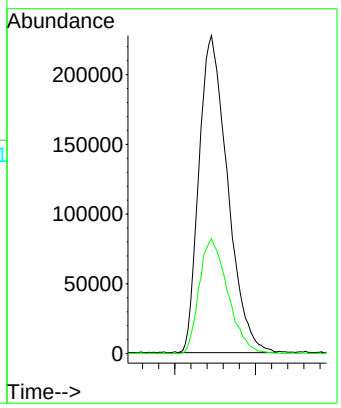
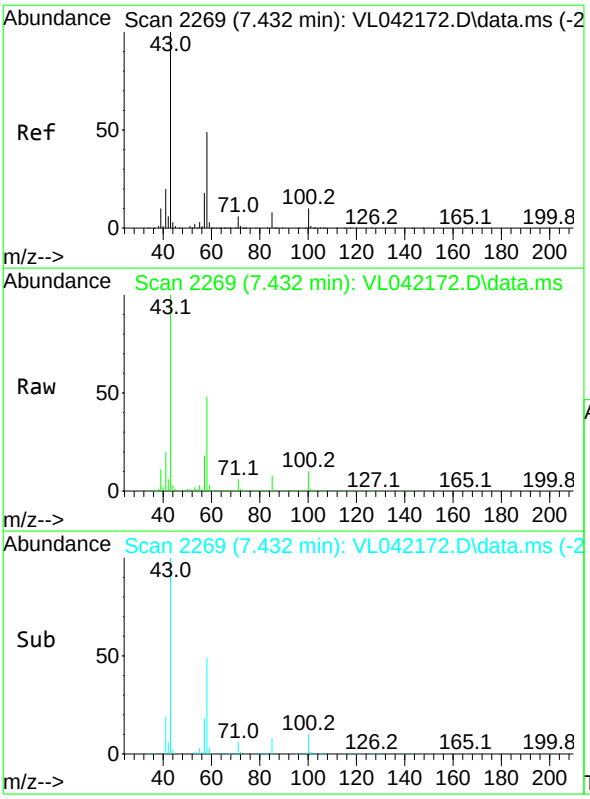


#50
4-Methyl-2-Pentanone
Concen: 8.934 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 559800

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.0	43.6

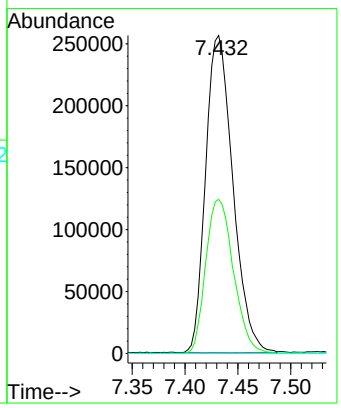




#51
2-Hexanone
Concen: 8.848 ppbv
RT: 7.432 min Scan# 22
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 460013

Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.7	59.5
98	0.1	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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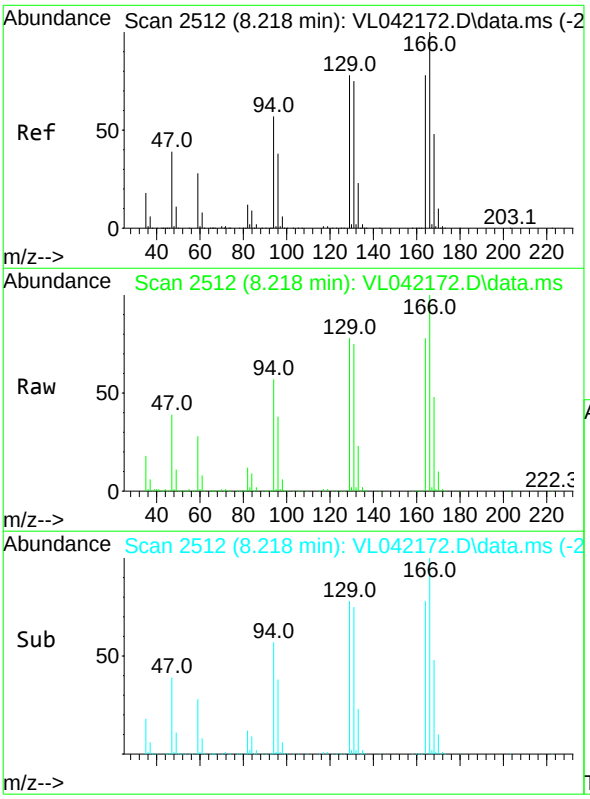
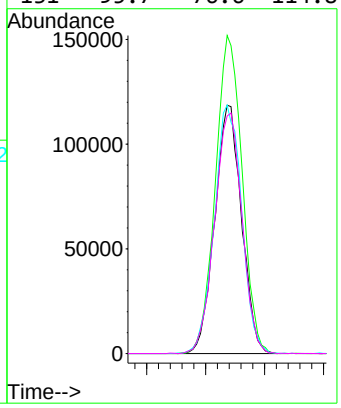
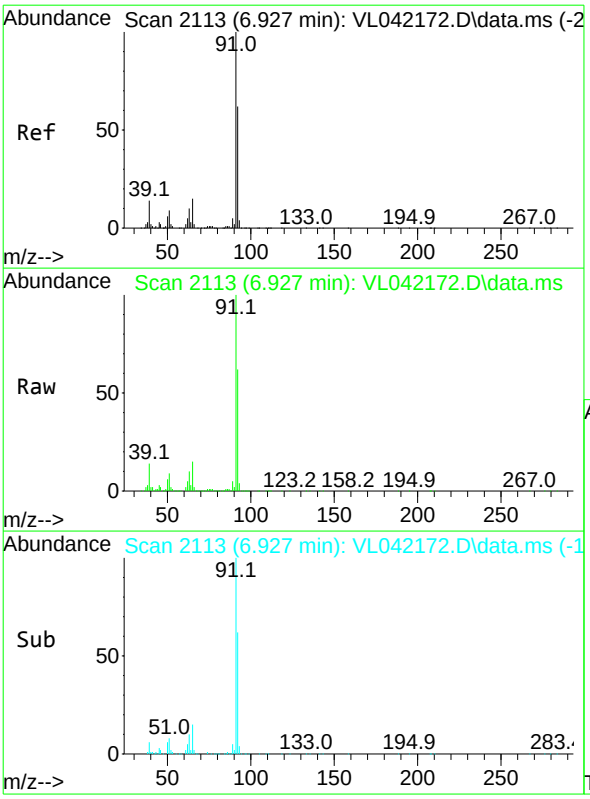


#52
Tetrachloroethene
Concen: 8.722 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:164 Resp: 186912

Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	99.8	79.8	119.8
131	95.7	76.6	114.8

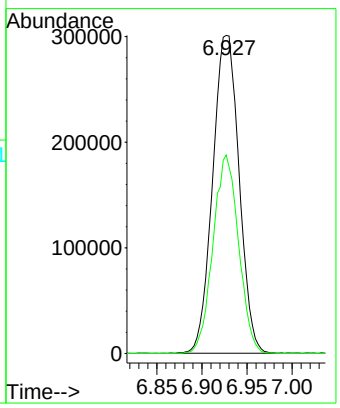




#53
Toluene
Concen: 9.576 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 613378

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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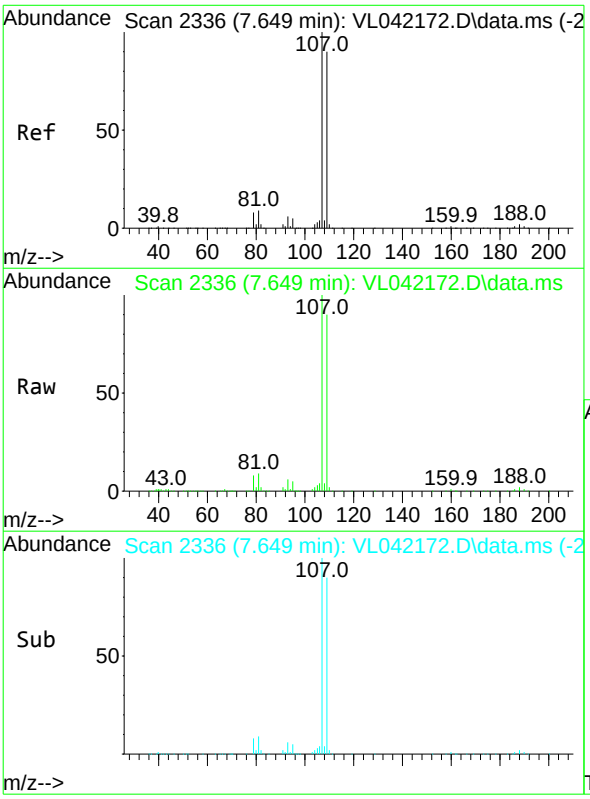
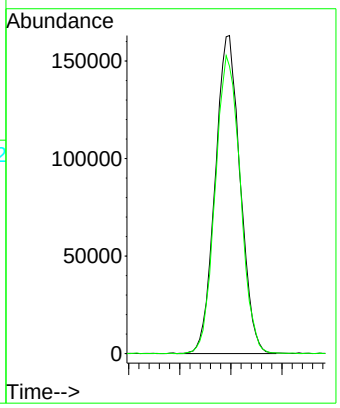
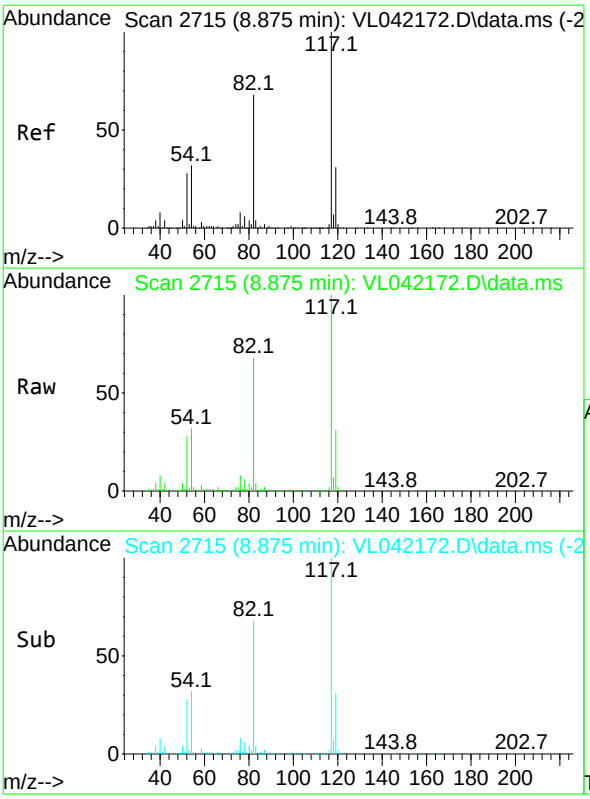


#54
1,2-Dibromoethane
Concen: 9.536 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:107 Resp: 276797

Ion	Ratio	Lower	Upper
107	100		
109	90.3	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 27
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:117 Resp: 519536

Ion	Ratio	Lower	Upper
117	100		
82	69.7	55.8	83.6
119	31.9	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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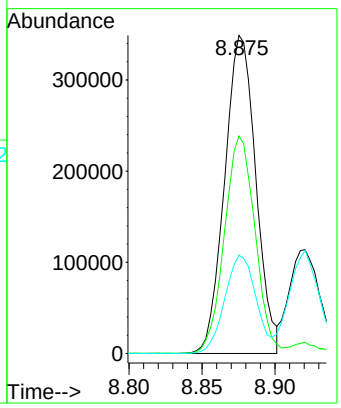
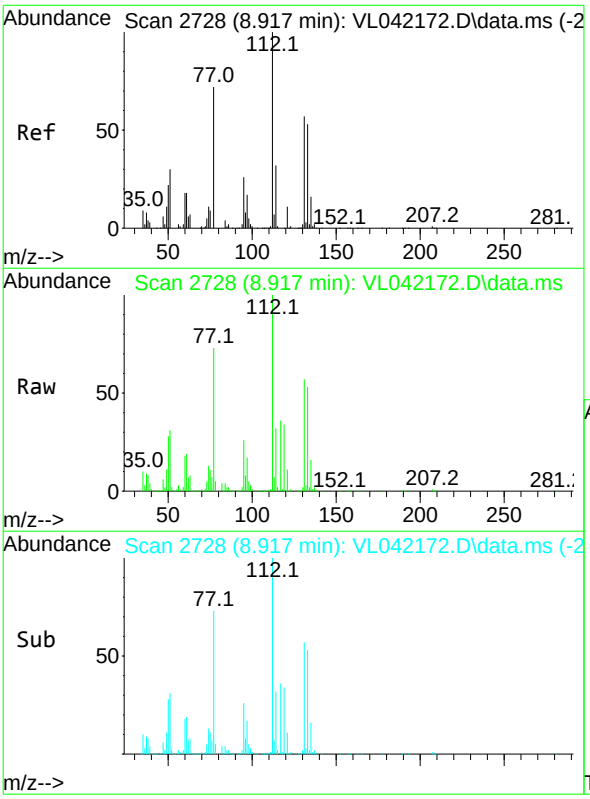
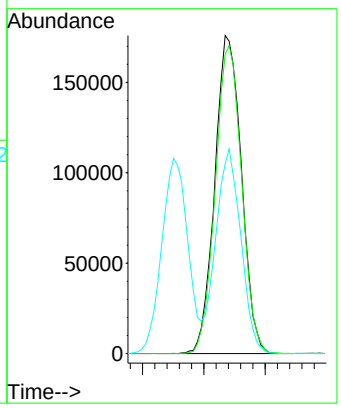


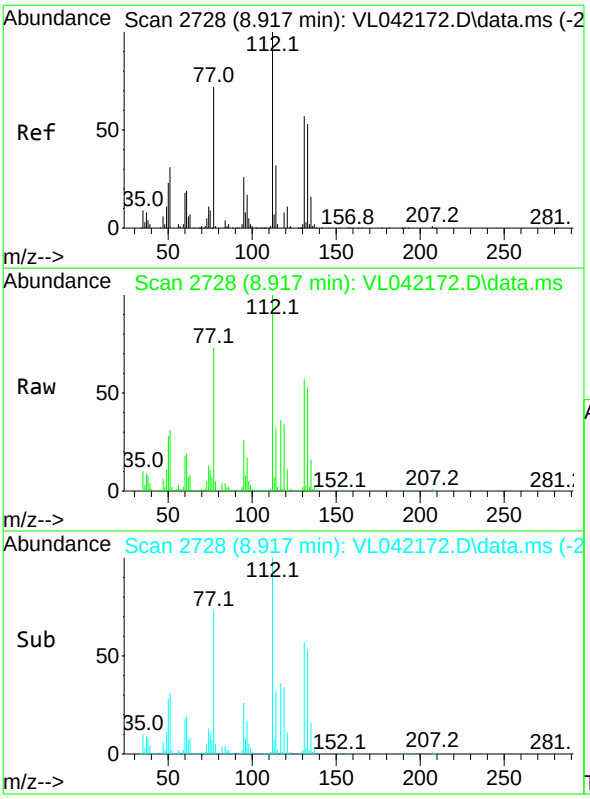


#56
1,1,1,2-Tetrachloroethane
Concen: 9.268 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:131 Resp: 265037

Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.6	114.8
119	62.2	49.8	74.6

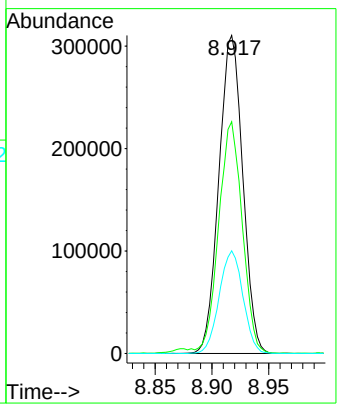




#57
Chlorobenzene
Concen: 9.223 ppbv
RT: 8.917 min Scan# 27
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:112 Resp: 454511

Ion	Ratio	Lower	Upper
112	100		
77	72.7	58.2	87.2
114	32.3	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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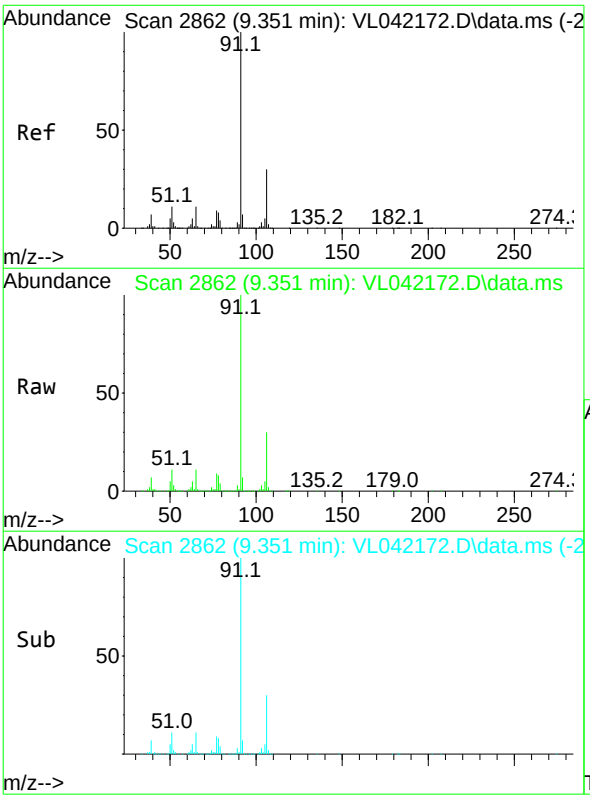
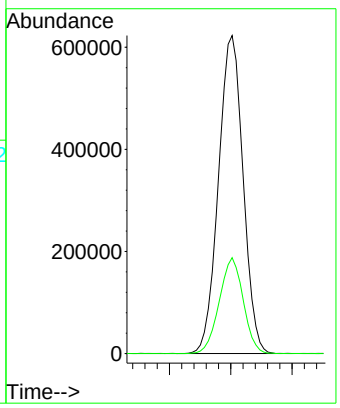
Supervised By :Mahesh Dadoda 04/03/2025

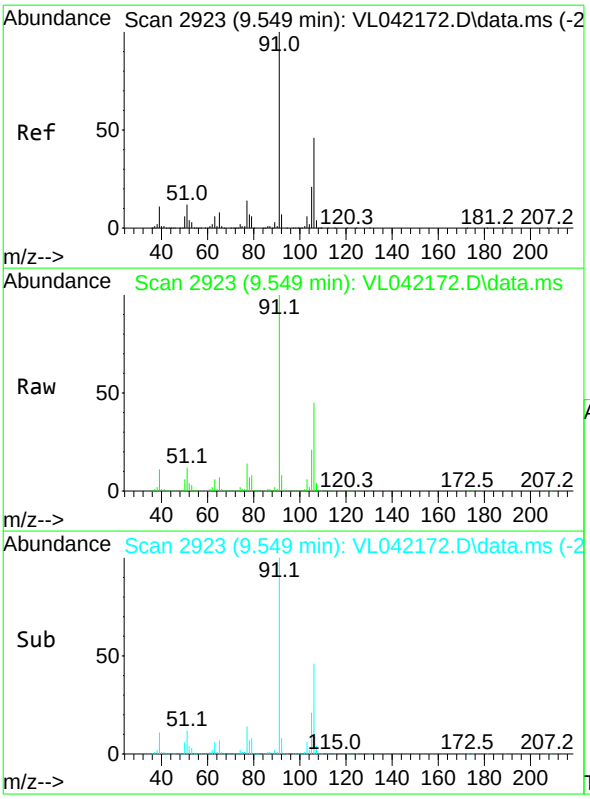


#58
Ethyl Benzene
Concen: 9.406 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 868003

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.2

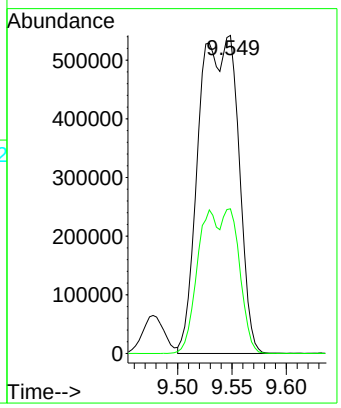




#59
m/p-Xylene
Concen: 18.607 ppbv m
RT: 9.549 min Scan# 29
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 1372806

Ion	Ratio	Lower	Upper
91	100		
106	45.5	36.4	54.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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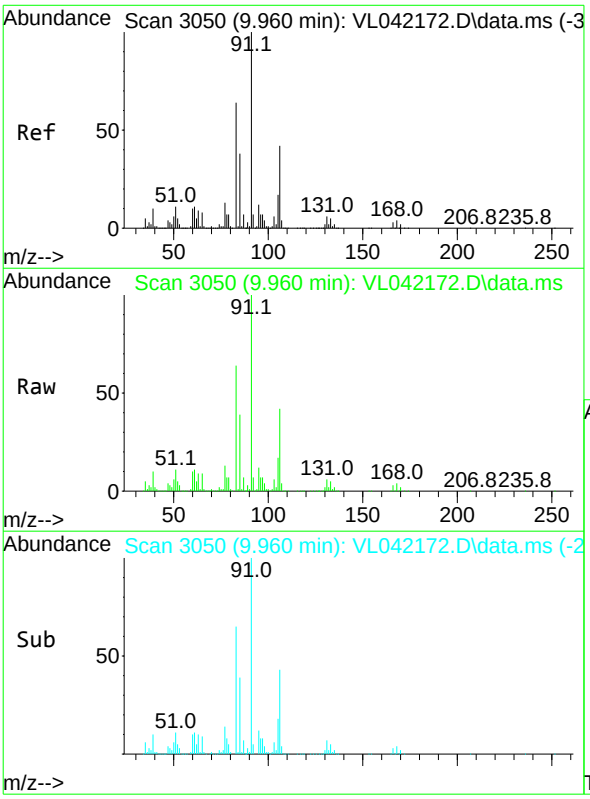
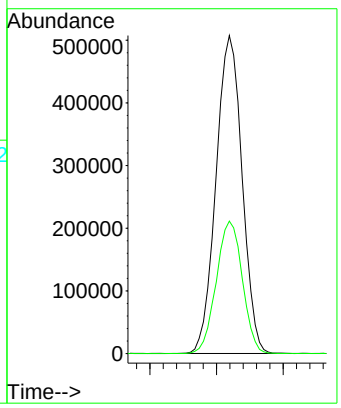
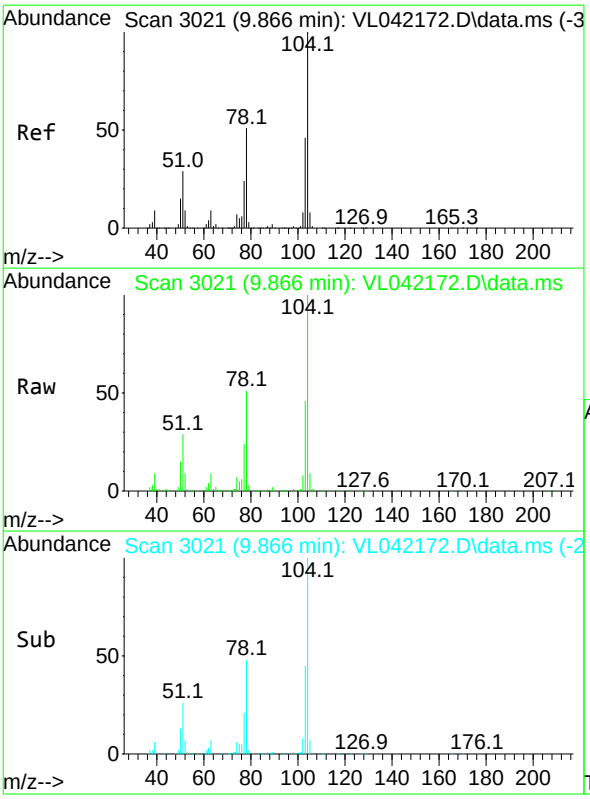


#60
o-Xylene
Concen: 9.340 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 689933

Ion	Ratio	Lower	Upper
91	100		
106	41.7	20.8	62.5

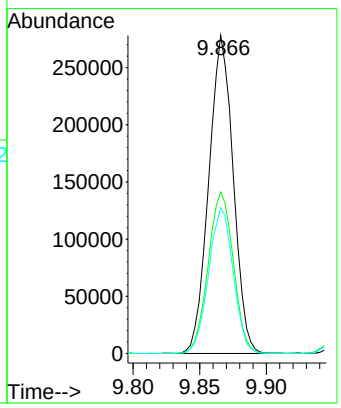




#61
Styrene
Concen: 9.706 ppbv
RT: 9.866 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:104 Resp: 354697

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.8	62.6
103	46.2	37.0	55.4



Instrument :
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ClientSampleId :
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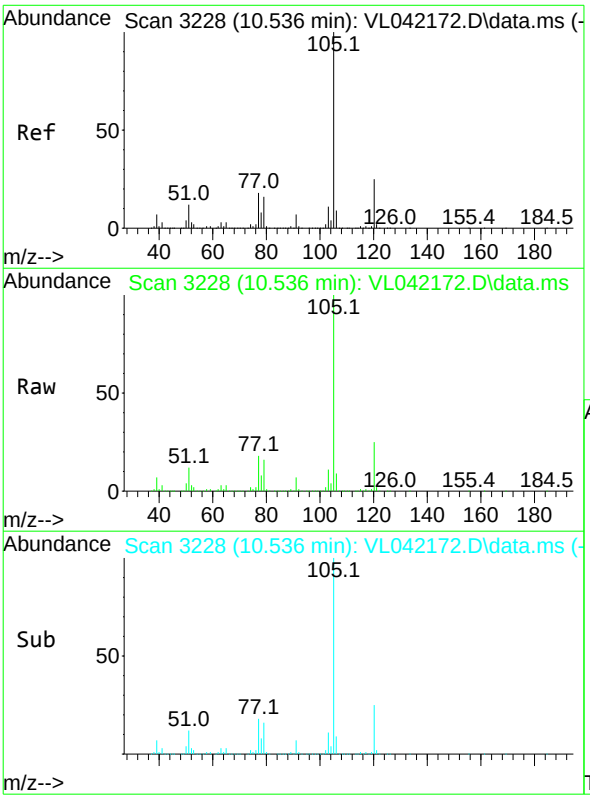
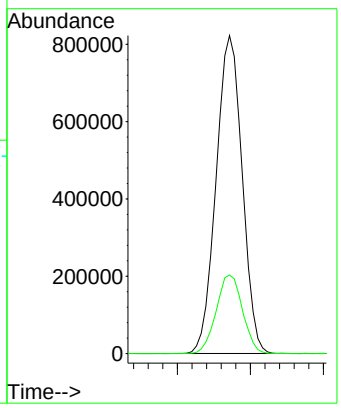
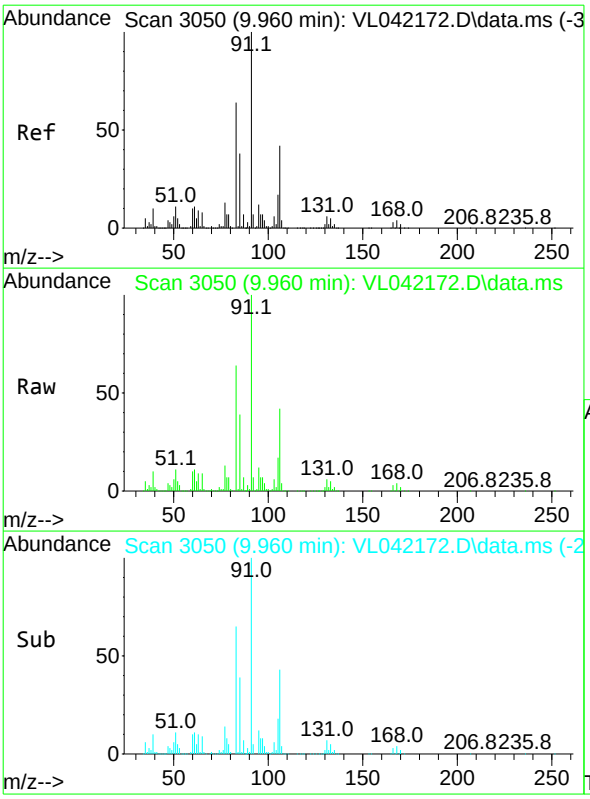


#62
Isopropylbenzene
Concen: 9.227 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 1019255

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.9	29.9

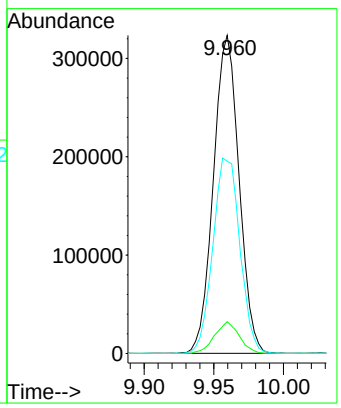




#63
1,1,2,2-Tetrachloroethane
Concen: 9.210 ppbv
RT: 9.960 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 83 Resp: 413392

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.0	32.5	97.5



Instrument :
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ClientSampleId :
VSTDICCC010

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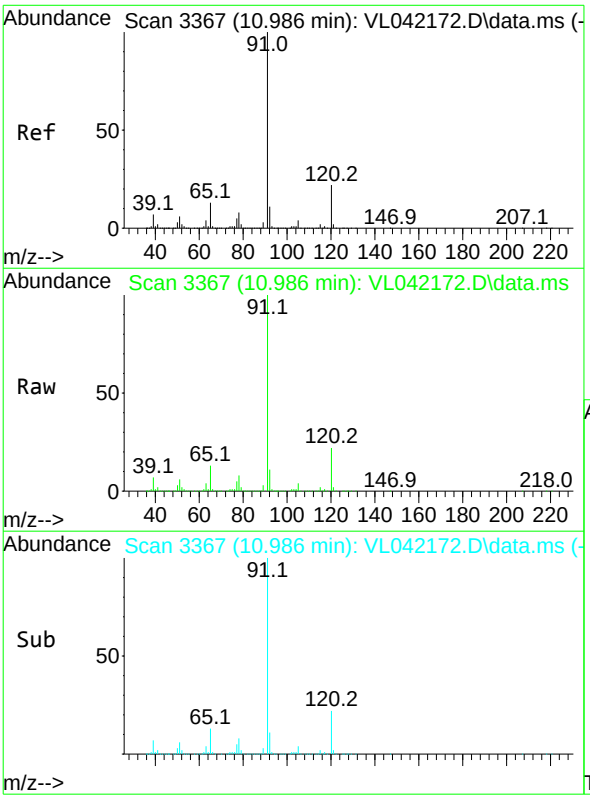
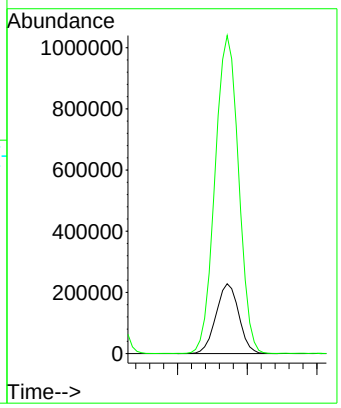
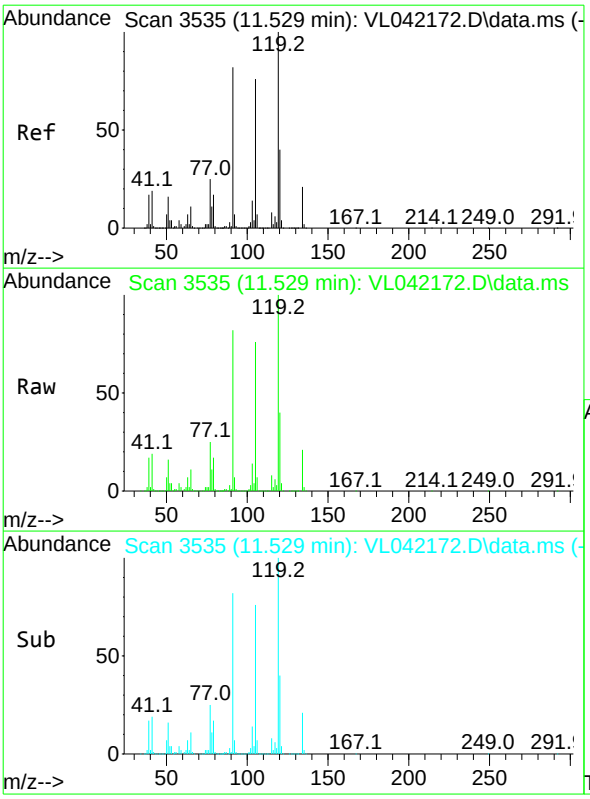


#64
n-propylbenzene
Concen: 9.122 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:120 Resp: 259405

Ion	Ratio	Lower	Upper
120	100		
91	471.1	376.9	565.3





#65
tert-Butylbenzene
Concen: 8.828 ppbv
RT: 11.529 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:119 Resp: 901951

Ion	Ratio	Lower	Upper
119	100		
91	82.5	66.0	99.0
134	20.9	16.7	25.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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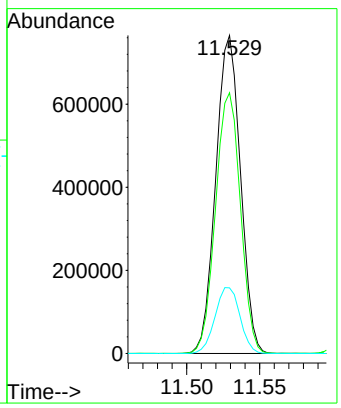
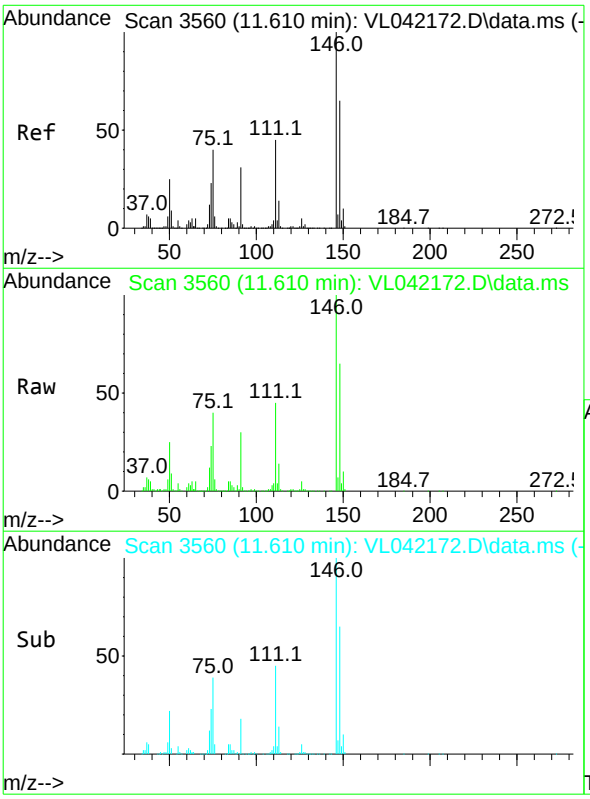
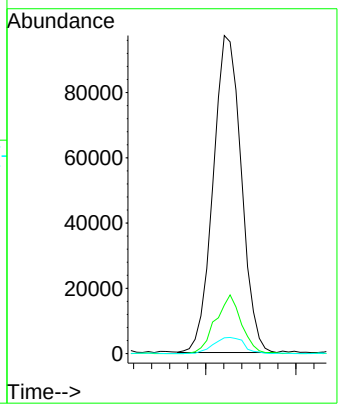


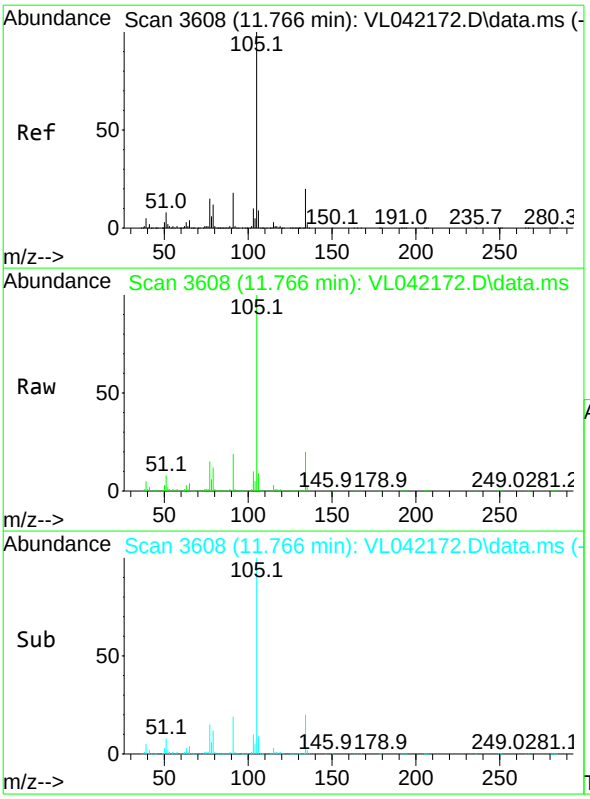


#66
Benzyl Chloride
Concen: 9.724 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 105411

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.6
128	5.6	4.5	6.7

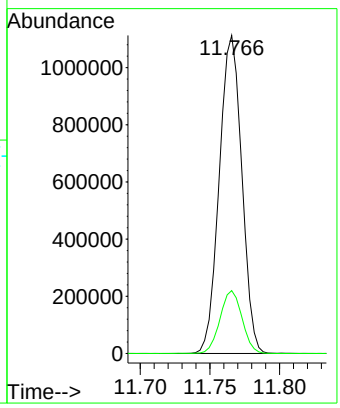




#67
sec-Butylbenzene
Concen: 8.796 ppbv
RT: 11.766 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 1249106

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3



Instrument :
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ClientSampleId :
VSTDICCC010

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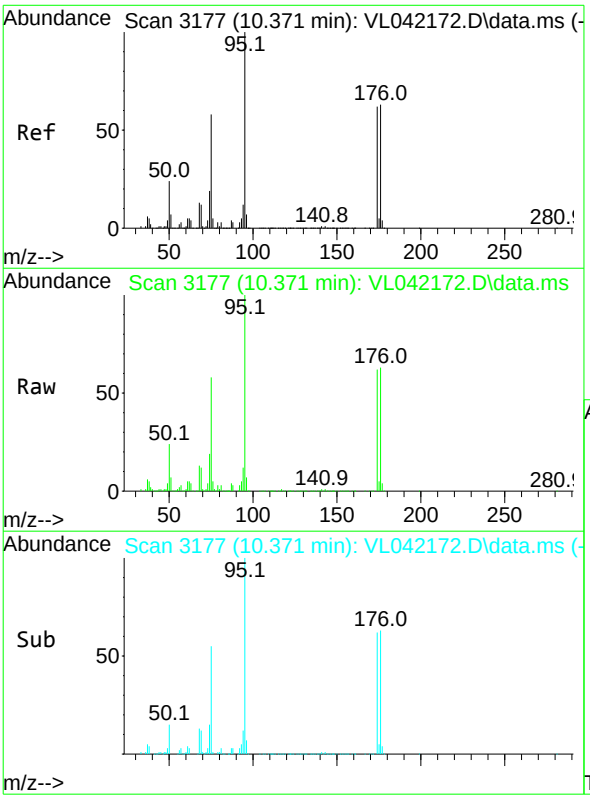
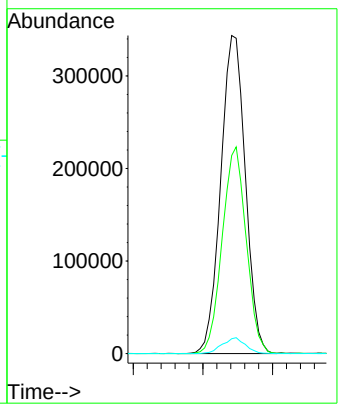
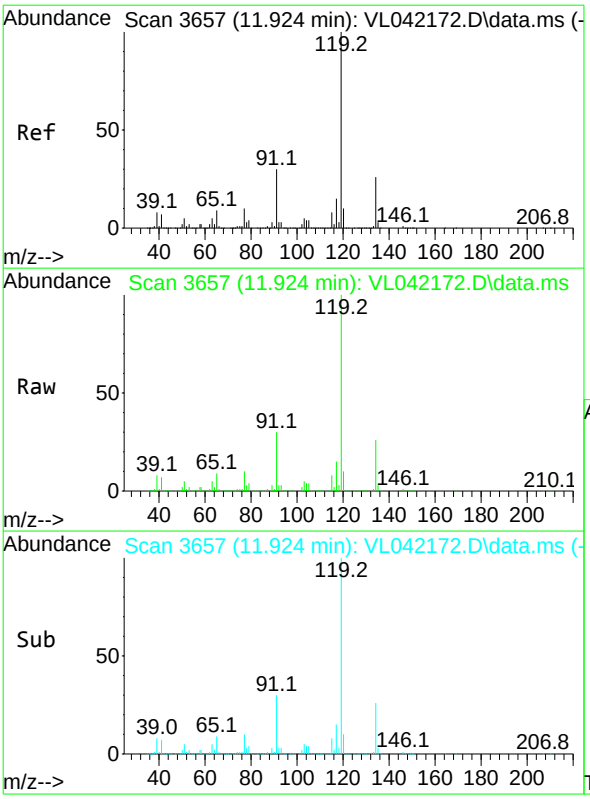


#68
1-Bromo-4-Fluorobenzene
Concen: 9.901 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 95 Resp: 422410

Ion	Ratio	Lower	Upper
95	100		
174	63.3	50.6	76.0
175	4.7	3.8	5.6

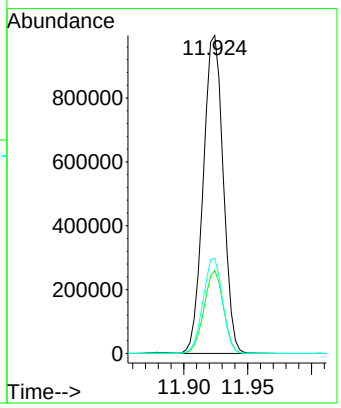




#69
p-Isopropyltoluene
Concen: 8.830 ppbv
RT: 11.924 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:119 Resp: 1079675

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	29.6	23.7	35.5



Instrument :
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ClientSampleId :
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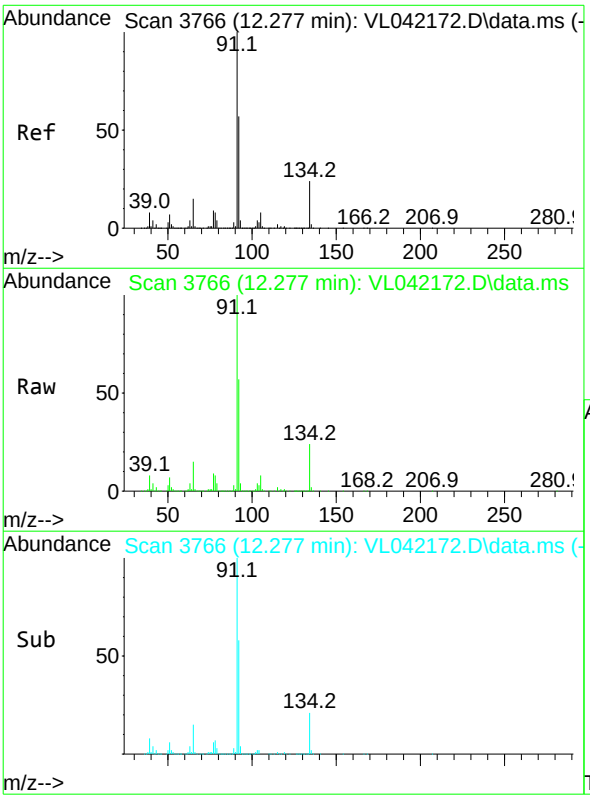
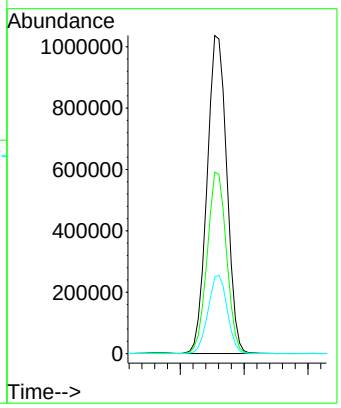
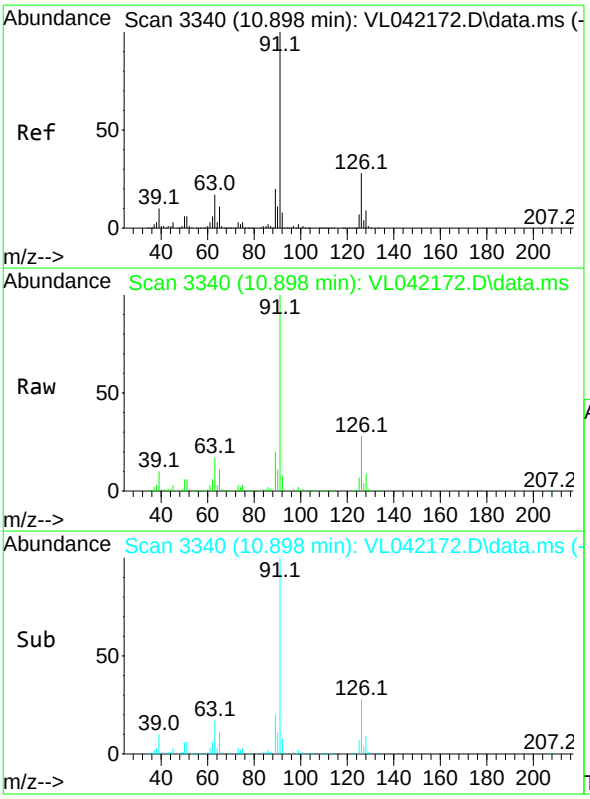


#70
n-Butylbenzene
Concen: 8.879 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 1110351

Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.9	67.3
134	24.0	19.2	28.8

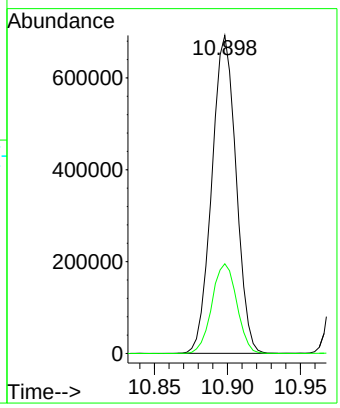




#71
2-Chlorotoluene
Concen: 9.320 ppbv
RT: 10.898 min Scan# 33
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 799102

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.6	46.4



Instrument :
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ClientSampleId :
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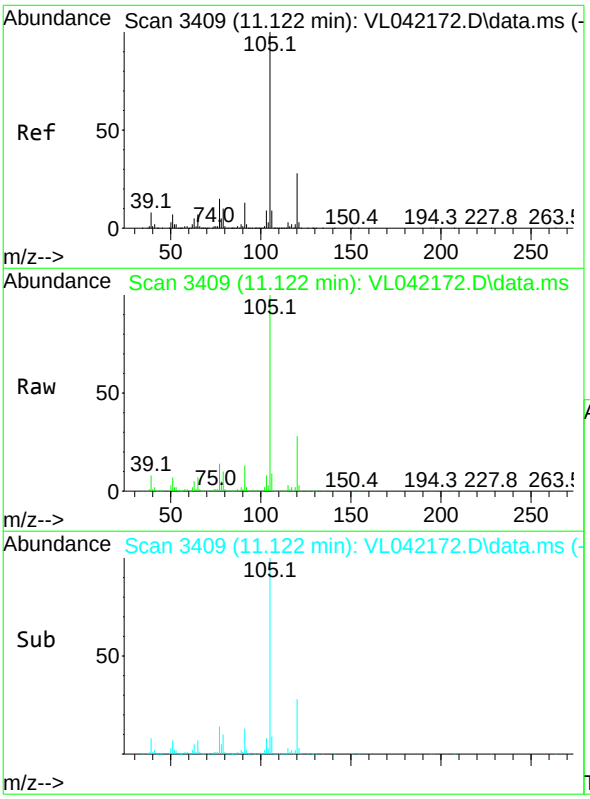
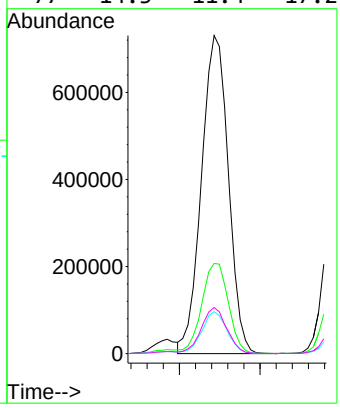
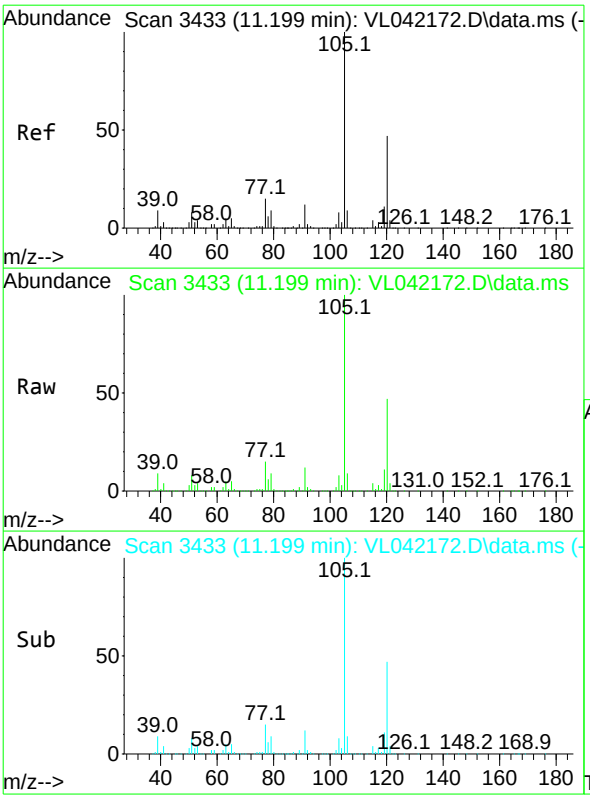


#72
4-Ethyltoluene
Concen: 9.200 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 846232

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.4	35.0
91	12.9	10.3	15.5
77	14.3	11.4	17.2

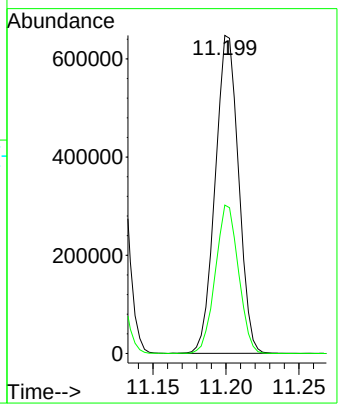




#73
1,3,5-Trimethylbenzene
Concen: 8.970 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 720566

Ion	Ratio	Lower	Upper
105	100		
120	46.7	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

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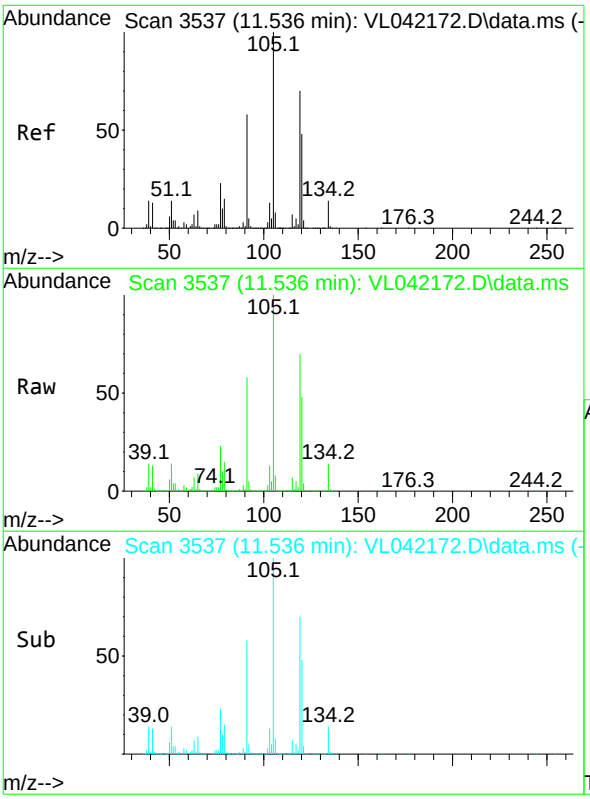
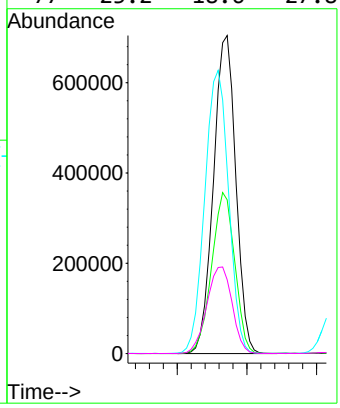
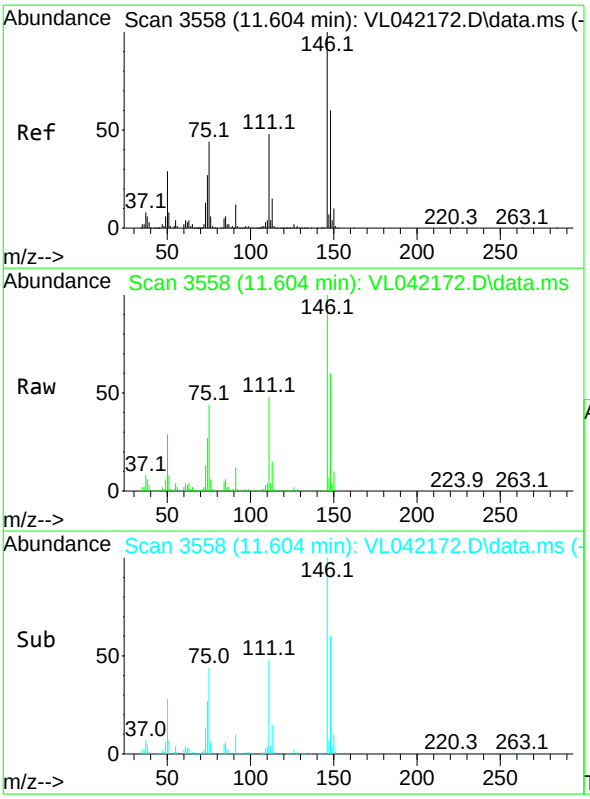


#74
1,2,4-Trimethylbenzene
Concen: 8.480 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 784745

Ion	Ratio	Lower	Upper
105	100		
120	48.3	38.6	58.0
91	57.7	46.2	69.2
77	23.2	18.6	27.8

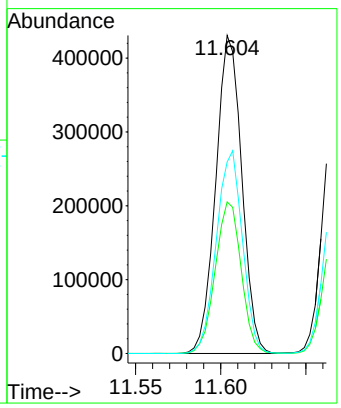




#75
1,3-Dichlorobenzene
Concen: 9.028 ppbv
RT: 11.604 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:146 Resp: 458226

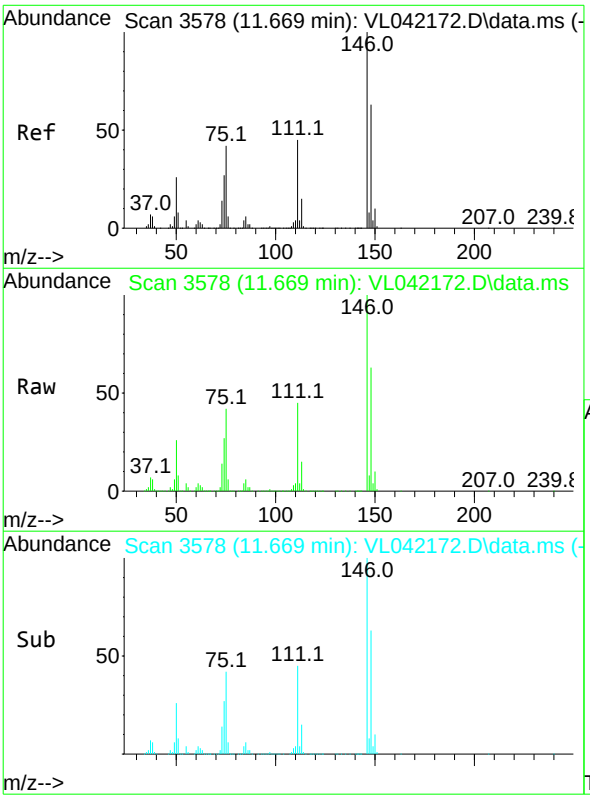
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.9	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

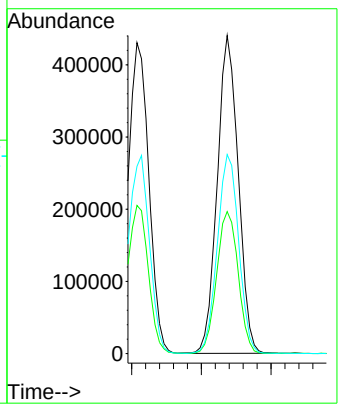
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

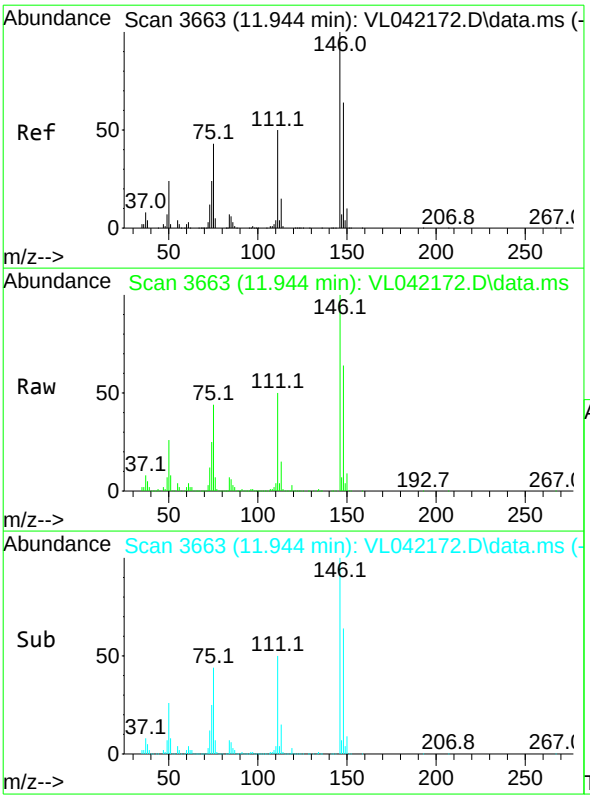


#76
1,4-Dichlorobenzene
Concen: 9.134 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:146 Resp: 461371

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.0	69.0
148	63.8	31.9	95.7

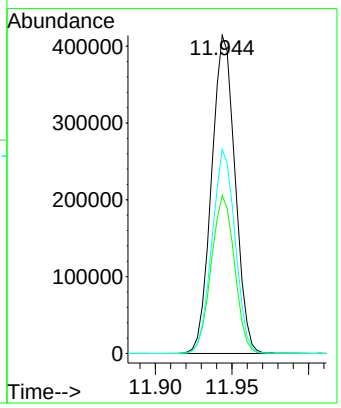




#77
1,2-Dichlorobenzene
Concen: 8.933 ppbv
RT: 11.944 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:146 Resp: 441473

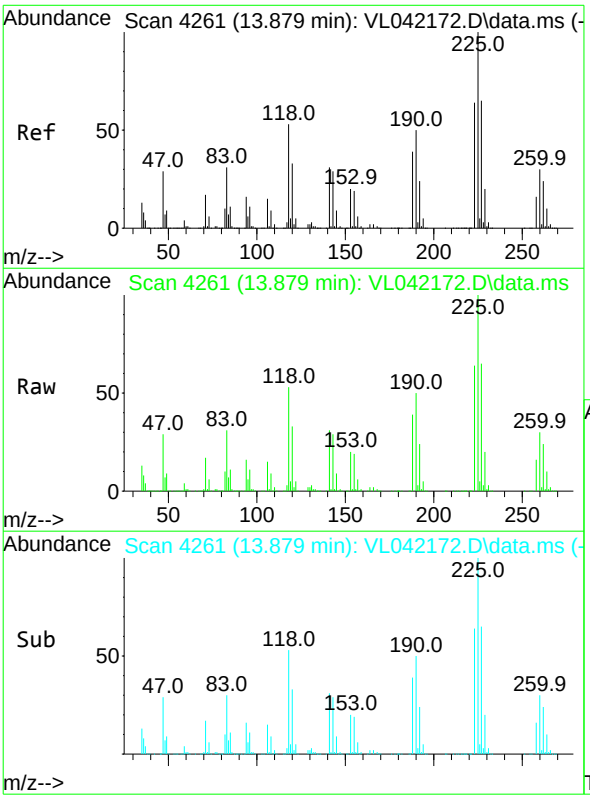
Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.8	74.3
148	63.2	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

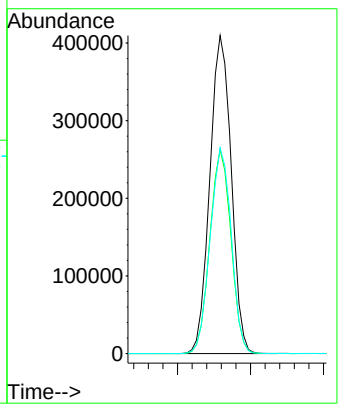
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

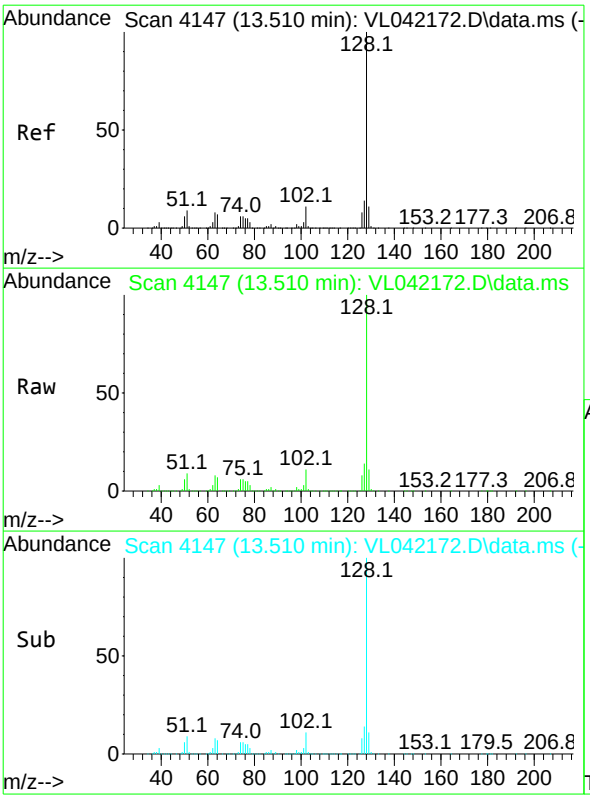


#78
Hexachloro-1,3-Butadiene
Concen: 8.284 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:225 Resp: 416735

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	64.0	51.2	76.8

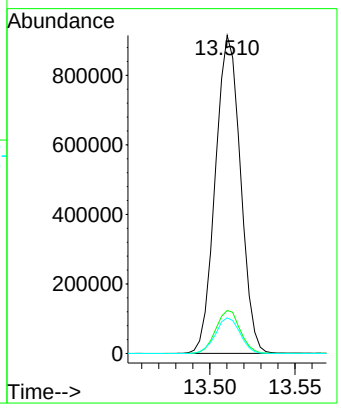




#79
Naphthalene
Concen: 9.271 ppbv
RT: 13.510 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:128 Resp: 938470

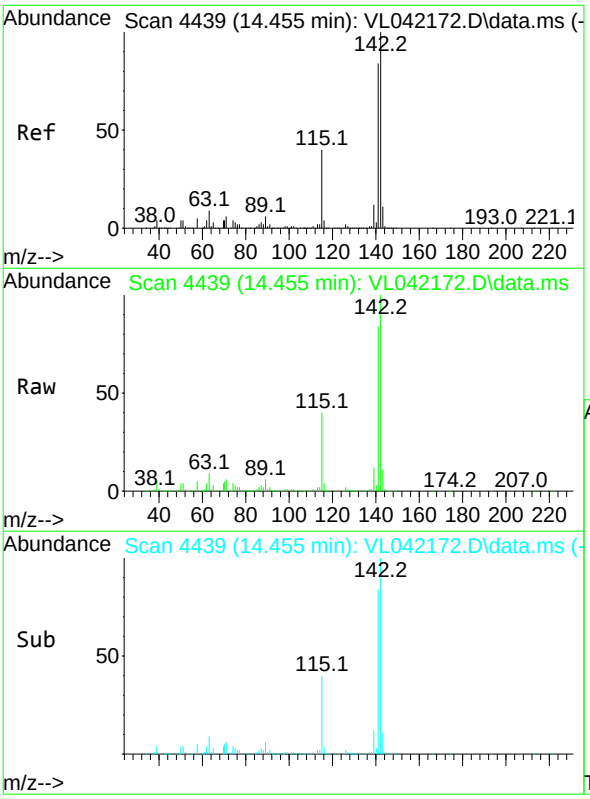
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

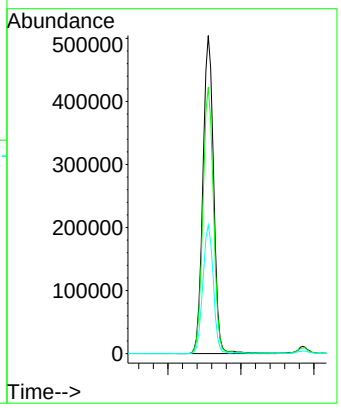
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

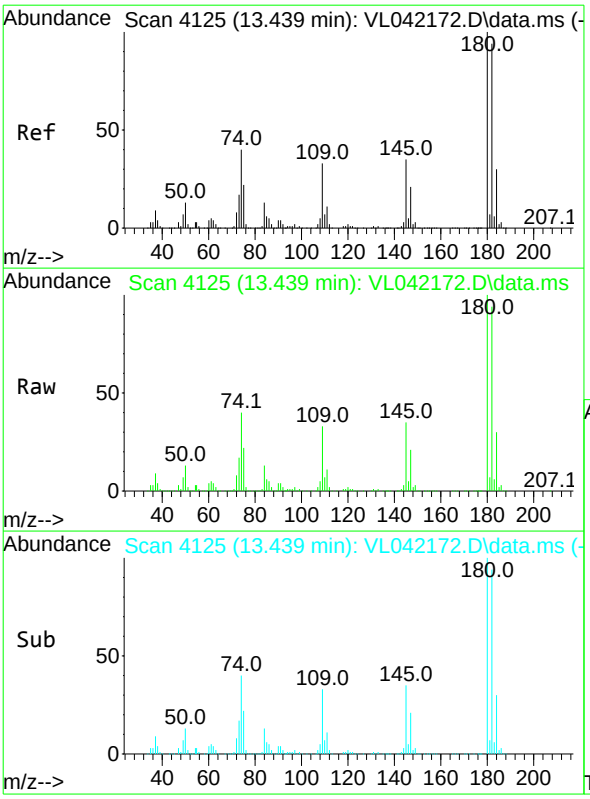


#80
Naphthalene,2-methyl-
Concen: 10.436 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:142 Resp: 514394

Ion	Ratio	Lower	Upper
142	100		
141	82.9	66.3	99.5
115	39.5	31.6	47.4

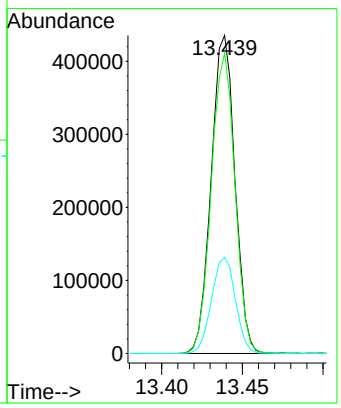




#81
1,2,4-Trichlorobenzene
Concen: 9.561 ppbv
RT: 13.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:180 Resp: 446420

Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.1	112.7
184	30.5	24.4	36.6



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

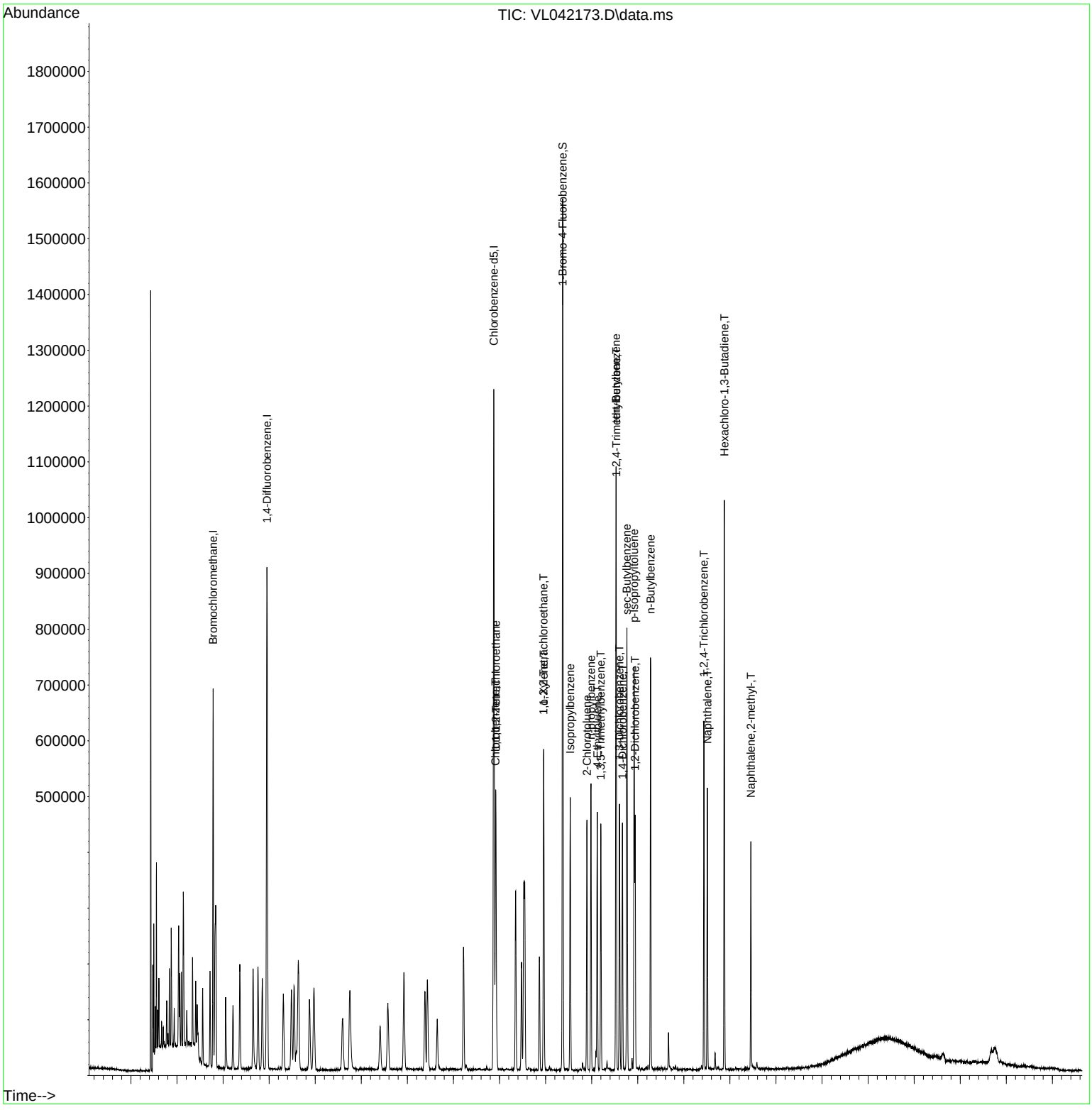
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

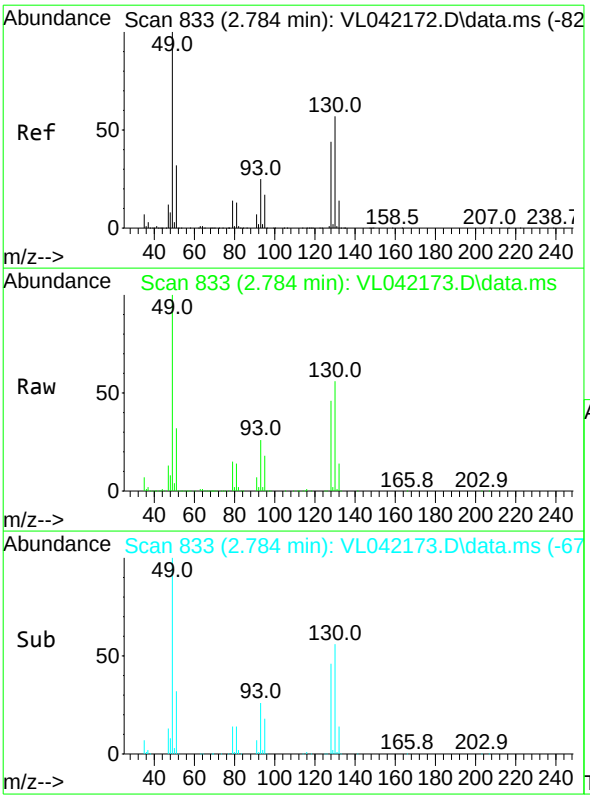
Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

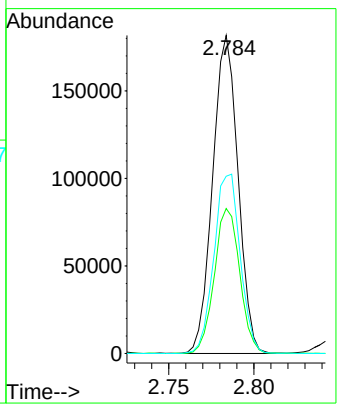




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 83
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 49 Resp: 188395

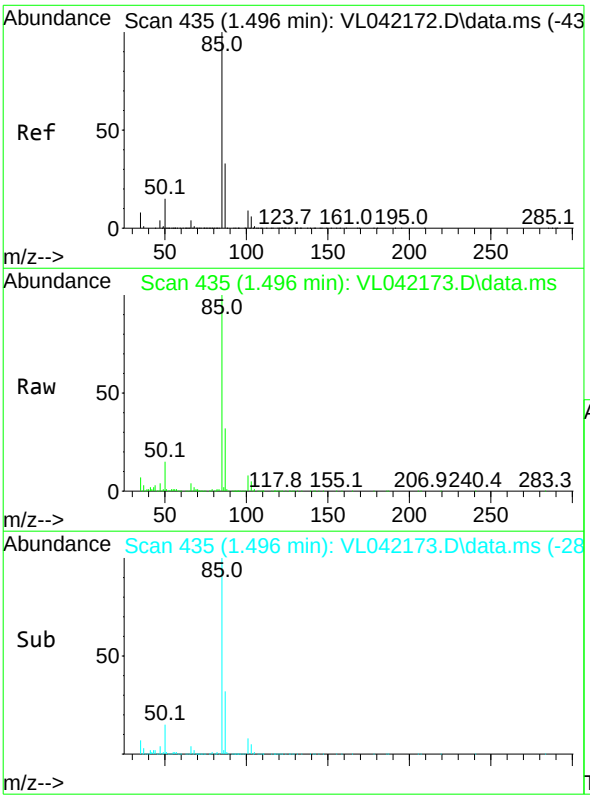
Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	58.5	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

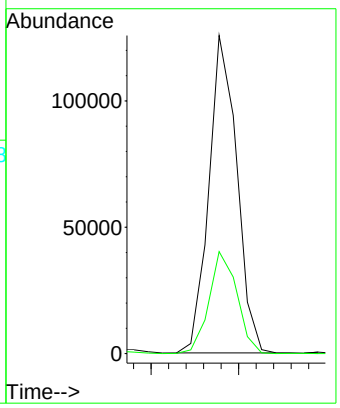
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

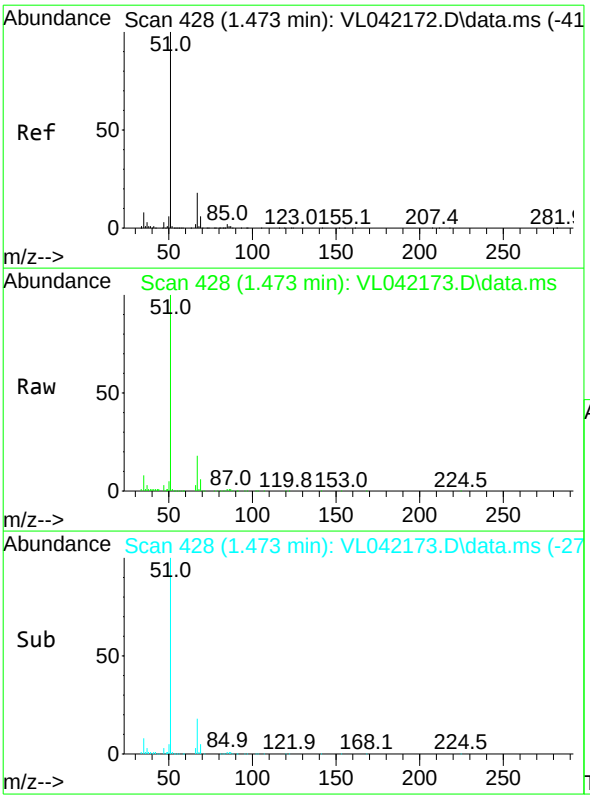


#2
Dichlorodifluoromethane
Concen: 2.008 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 55859

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.1	39.1

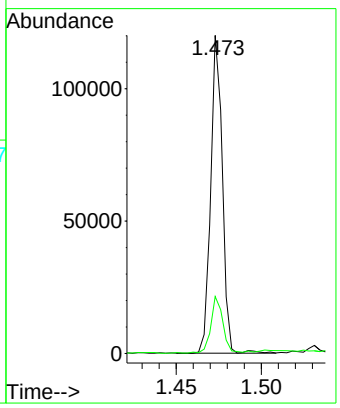




#3
Chlorodifluoromethane
Concen: 2.007 ppbv
RT: 1.473 min Scan# 42
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 51 Resp: 57045

Ion	Ratio	Lower	Upper
51	100		
67	19.4	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
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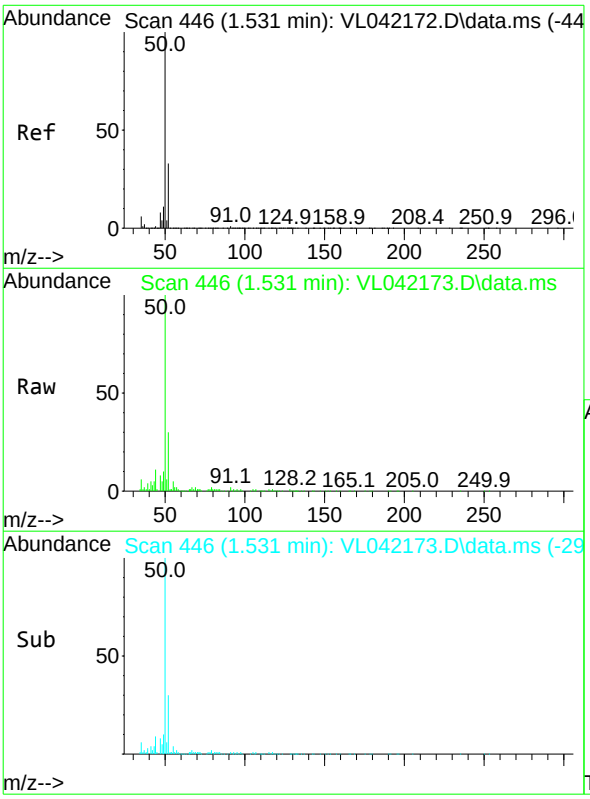
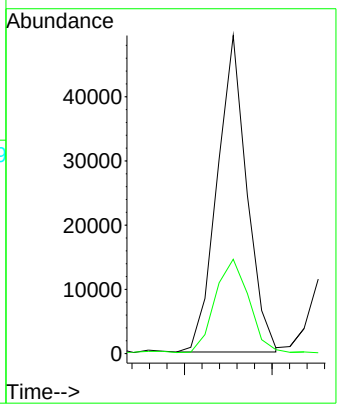
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

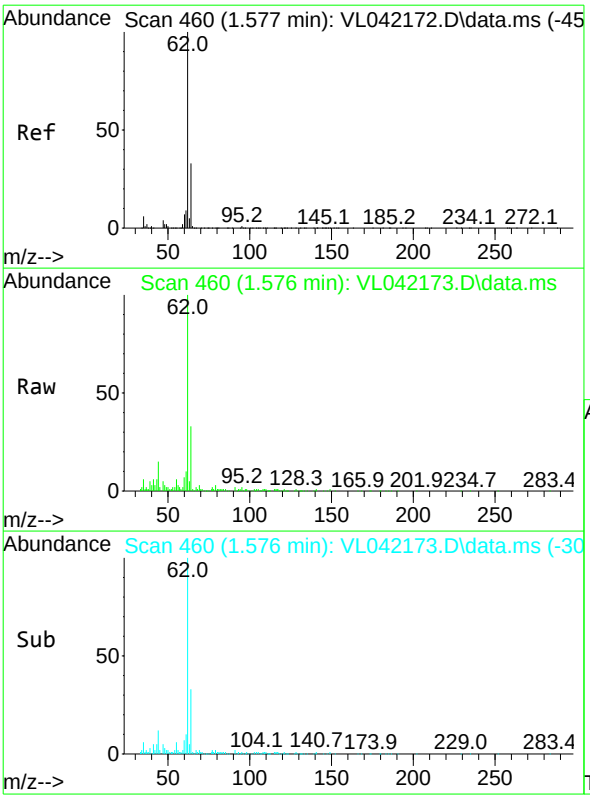


#4
Chloromethane
Concen: 2.049 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 50 Resp: 23293

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.1	39.1

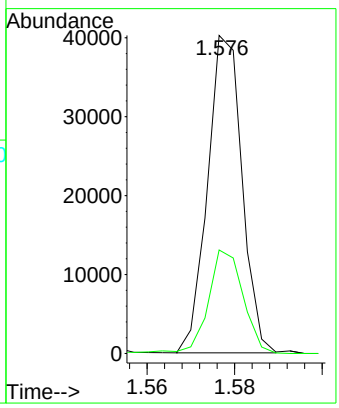




#5
Vinyl Chloride
Concen: 1.897 ppbv
RT: 1.576 min Scan# 46
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 62 Resp: 21989

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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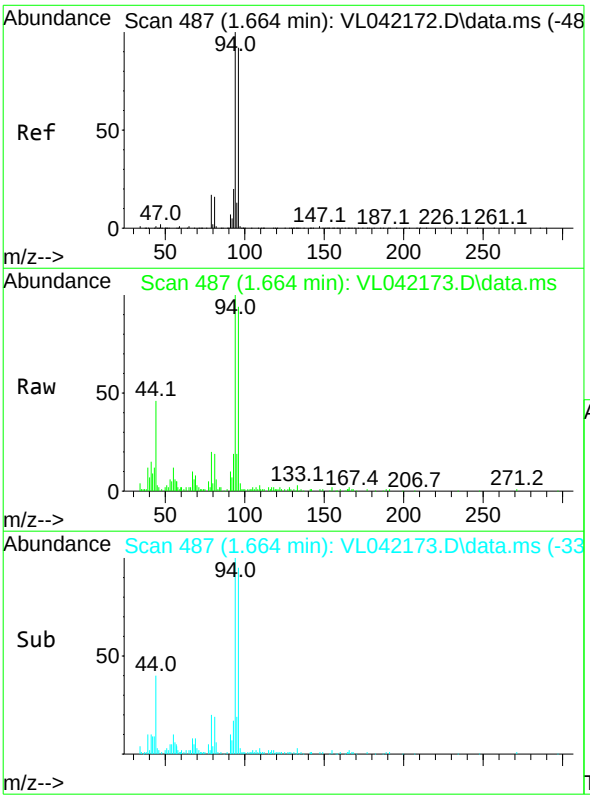
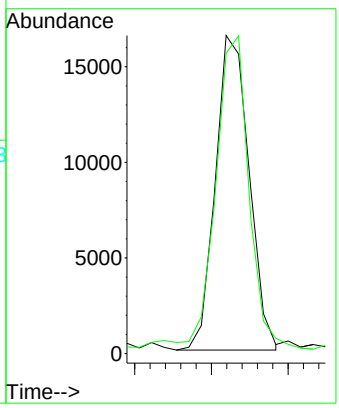
Supervised By :Mahesh Dadoda 04/03/2025

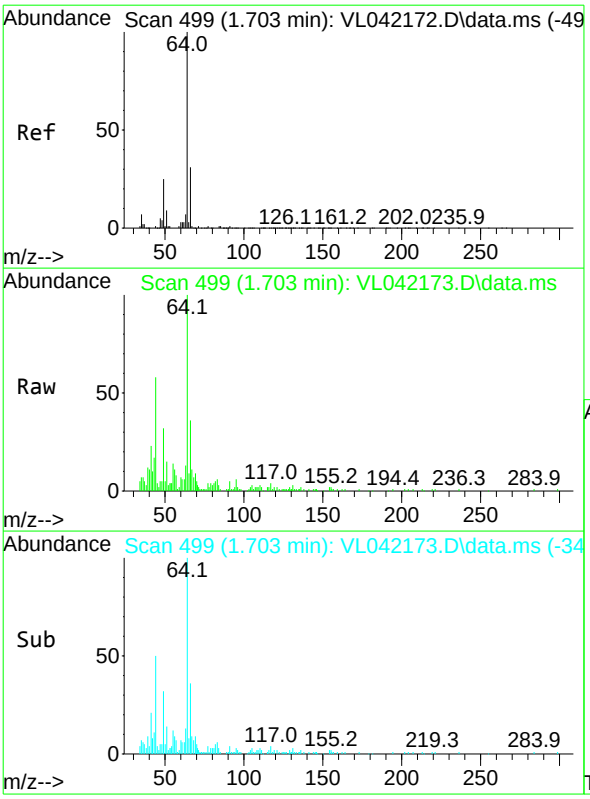


#6
Bromomethane
Concen: 1.946 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 94 Resp: 10027

Ion	Ratio	Lower	Upper
94	100		
96	93.6	73.1	109.7

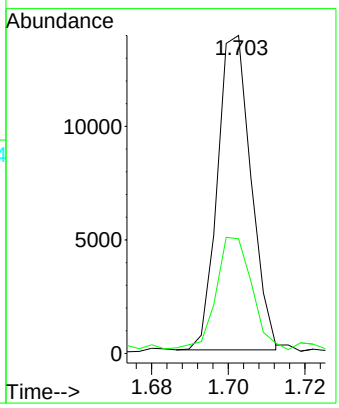




#7
Chloroethane
Concen: 1.844 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 64 Resp: 8413

Ion	Ratio	Lower	Upper
64	100		
66	36.1	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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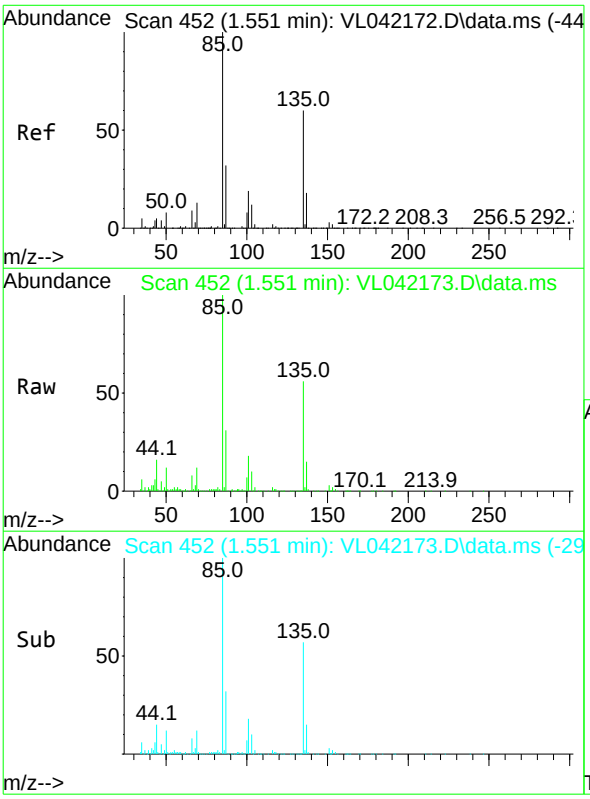
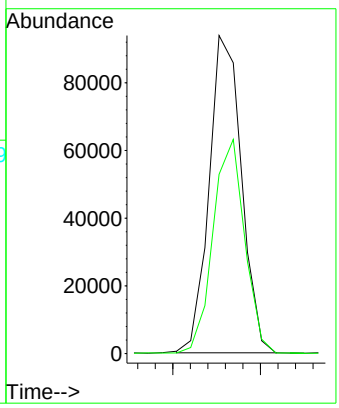
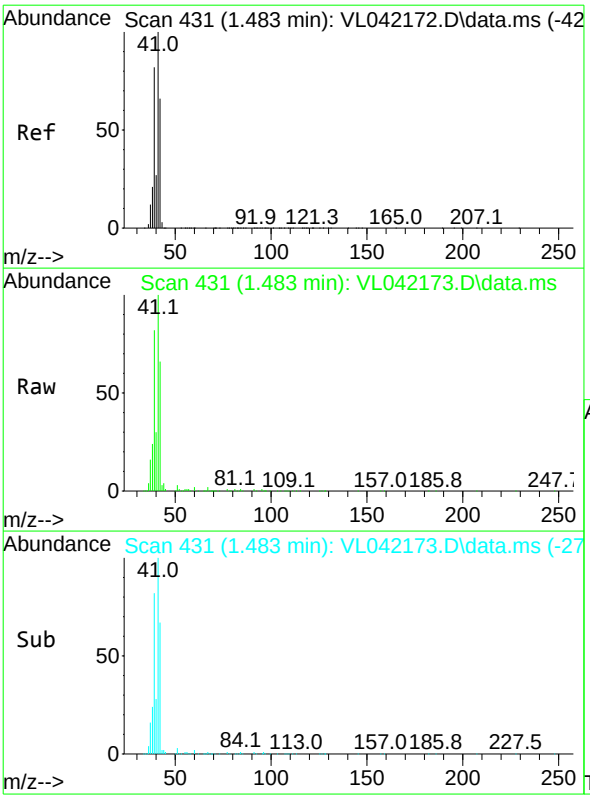


#8
Dichlorotetrafluoroethane
Concen: 2.027 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 48008

Ion	Ratio	Lower	Upper
85	100		
135	66.8	52.4	78.6

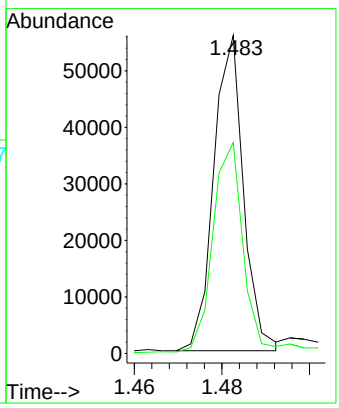




#9
Propene
Concen: 2.054 ppbv
RT: 1.483 min Scan# 43
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 41 Resp: 26295

Ion	Ratio	Lower	Upper
41	100		
42	73.9	55.4	83.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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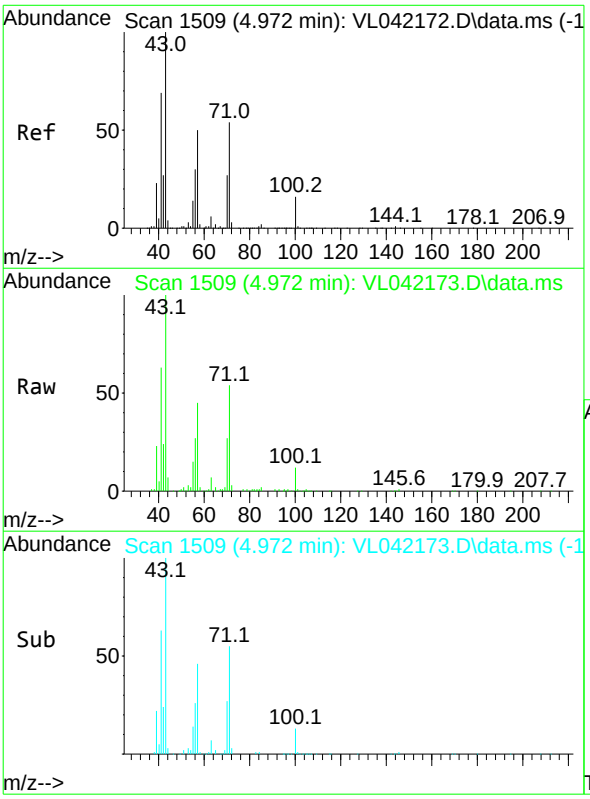
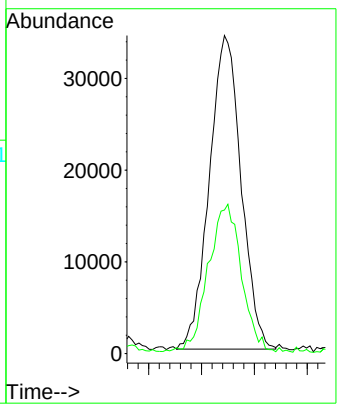
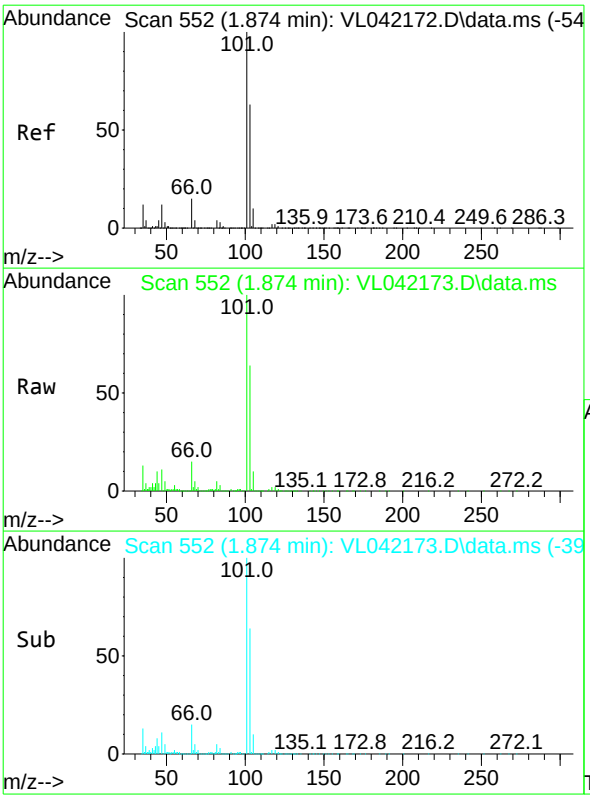


#10
Heptane
Concen: 2.063 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 71466

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.4	59.2





#11
Trichlorofluoromethane
Concen: 2.060 ppbv
RT: 1.874 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:101 Resp: 55754

Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.2	75.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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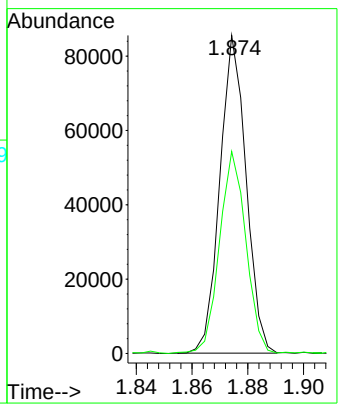
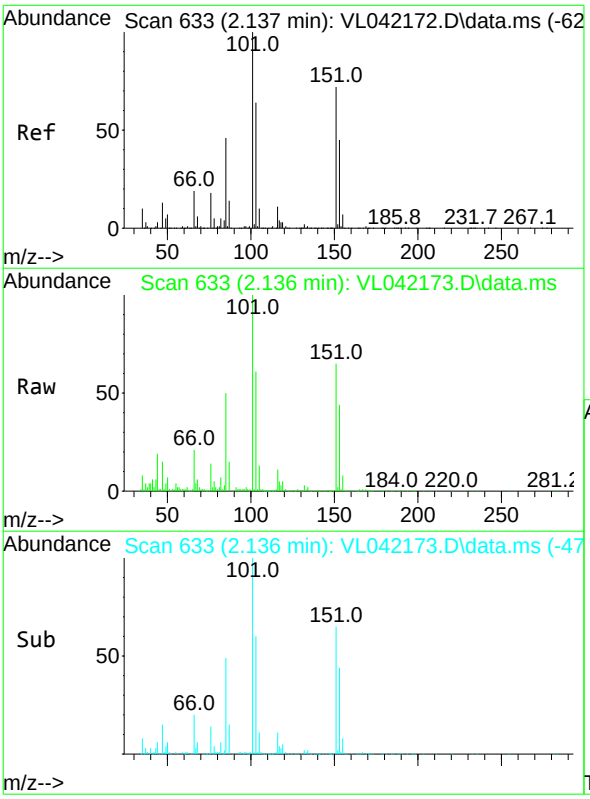
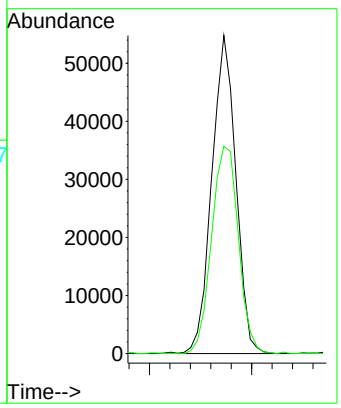


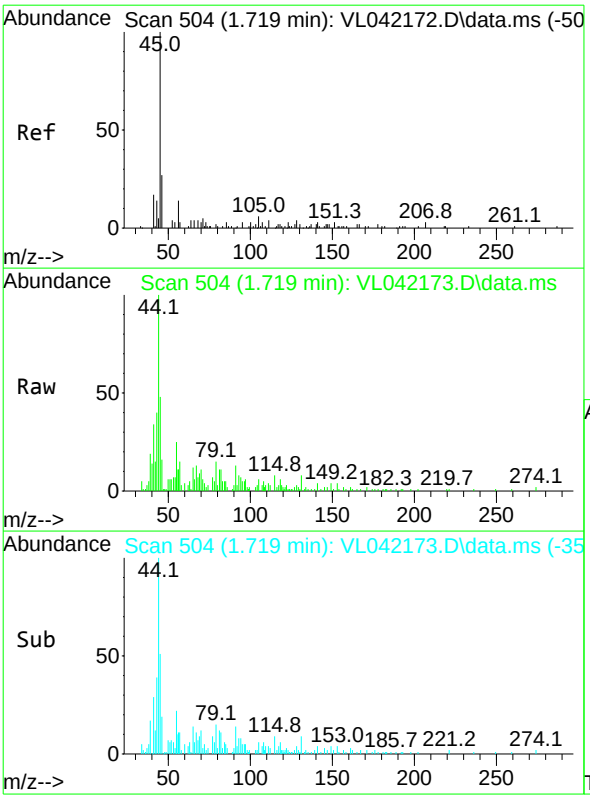


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.012 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:101 Resp: 44761

Ion	Ratio	Lower	Upper
101	100		
151	73.0	57.1	85.7

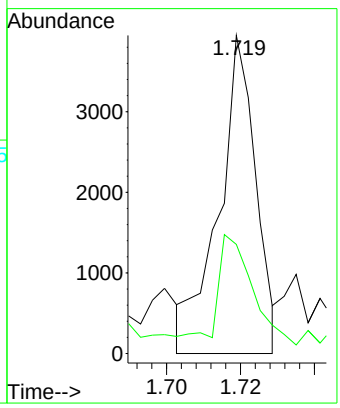




#13
Ethanol
Concen: 2.741 ppbv m
RT: 1.719 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 45 Resp: 2748

Ion	Ratio	Lower	Upper
45	100		
46	56.9	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
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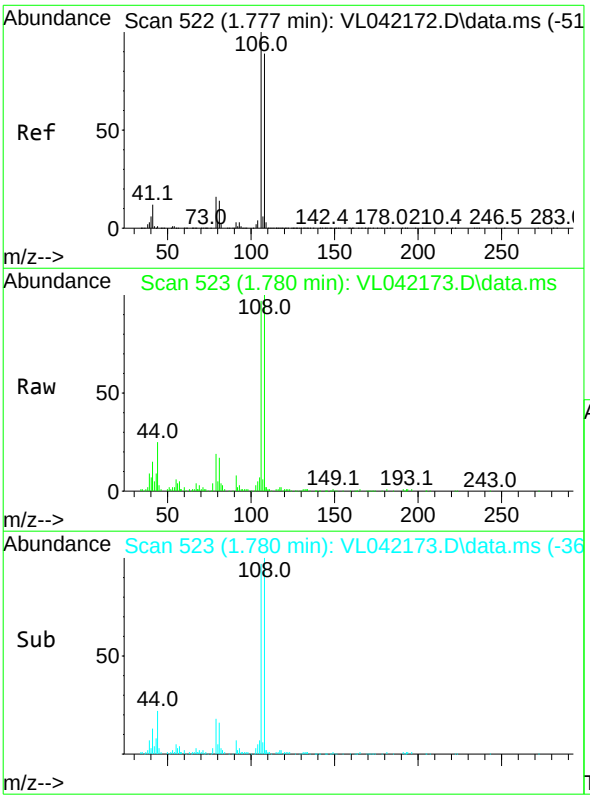
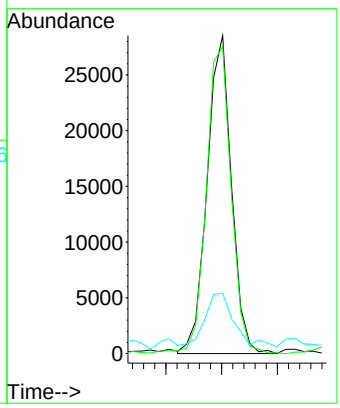
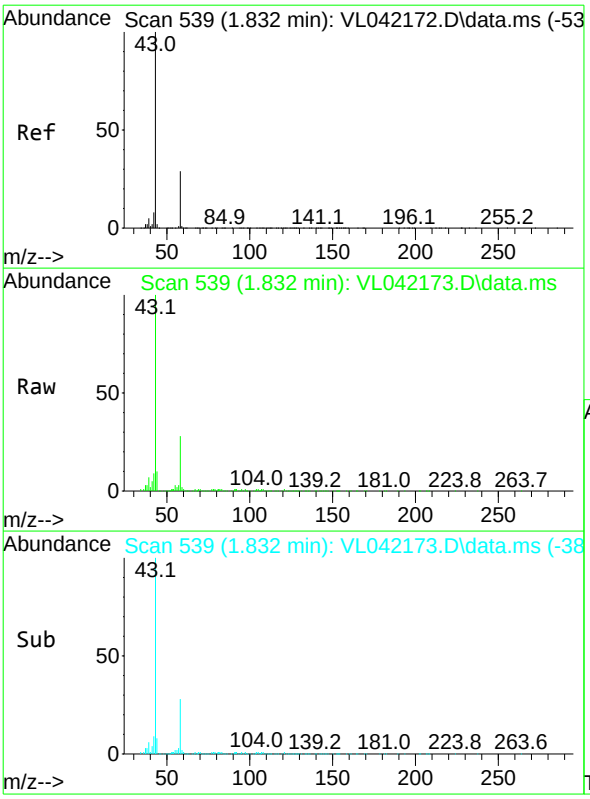


#14
Bromoethene
Concen: 2.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:108 Resp: 17323

Ion	Ratio	Lower	Upper
108	100		
106	100.6	86.8	130.2
79	32.0	15.0	22.6#

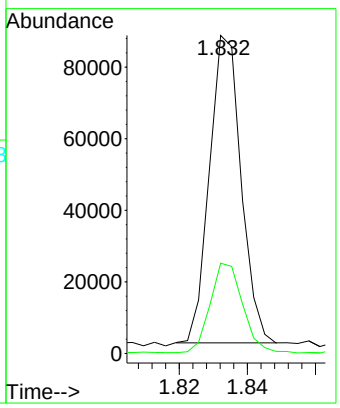




#15
Acetone
Concen: 2.101 ppbv
RT: 1.832 min Scan# 53
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 55365

Ion	Ratio	Lower	Upper
43	100		
58	31.8	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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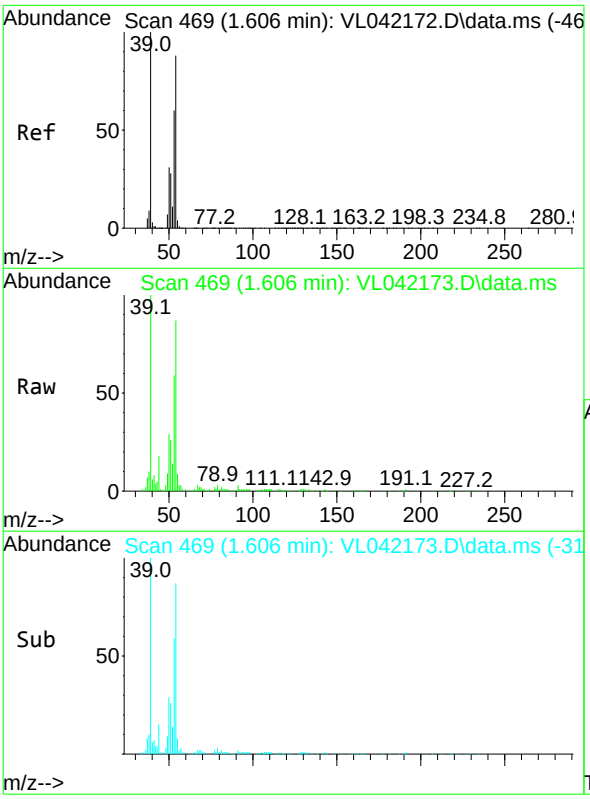
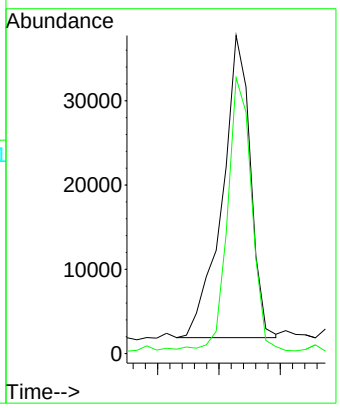
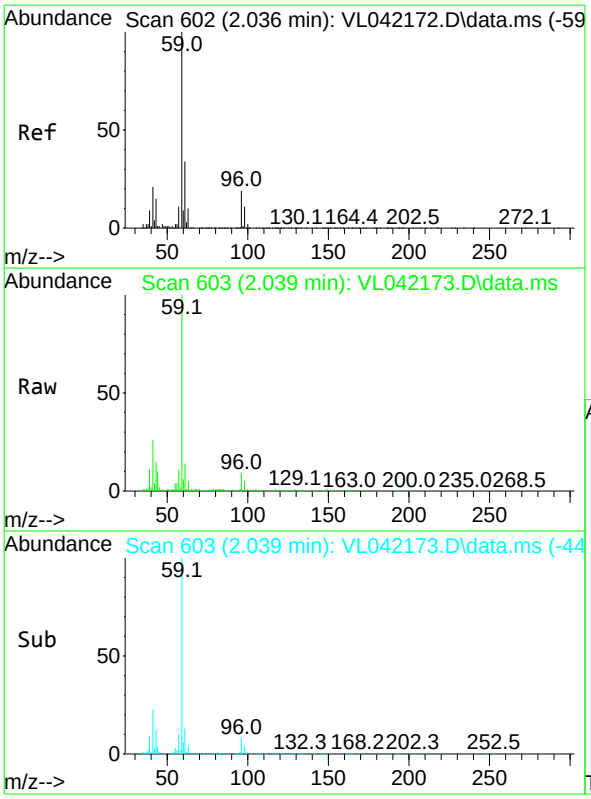


#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 39 Resp: 22894

Ion	Ratio	Lower	Upper
39	100		
54	79.9	60.7	91.1

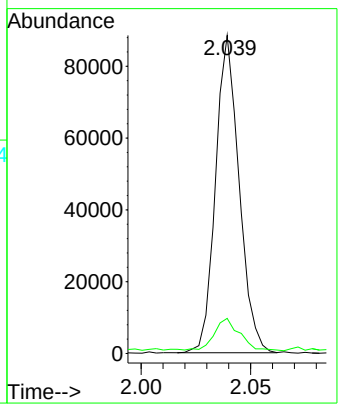




#17
tert-Butyl alcohol
Concen: 2.016 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 59 Resp: 66174

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
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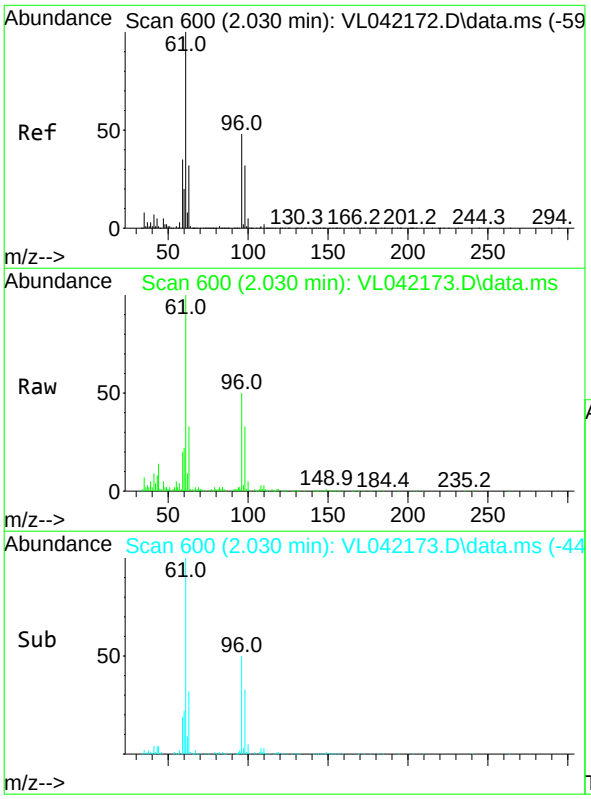
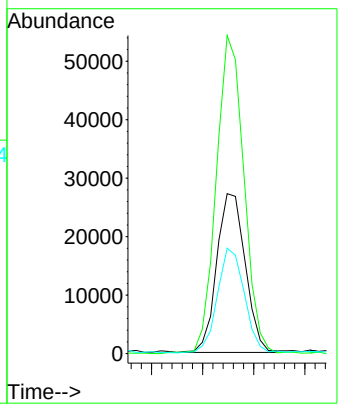
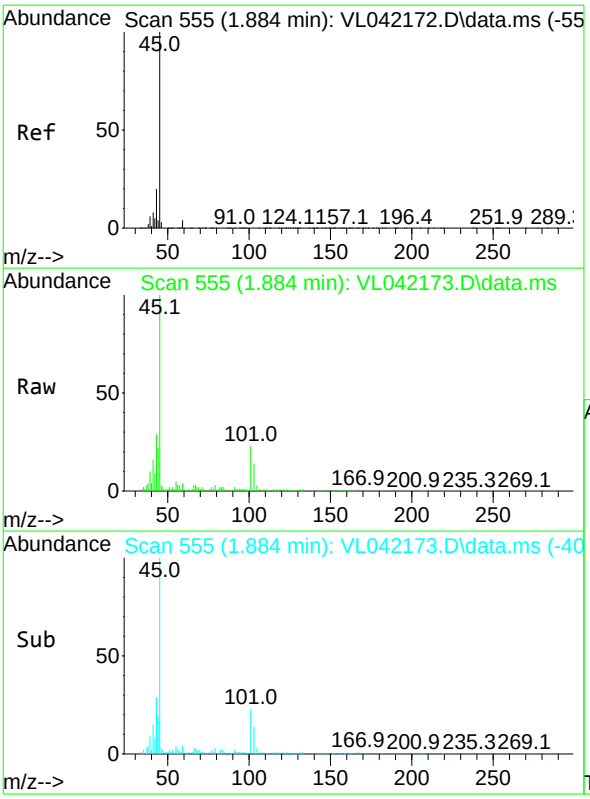


#18
1,1-Dichloroethene
Concen: 2.029 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 21103

Ion	Ratio	Lower	Upper
96	100		
61	199.8	167.6	251.4
98	66.0	53.5	80.3

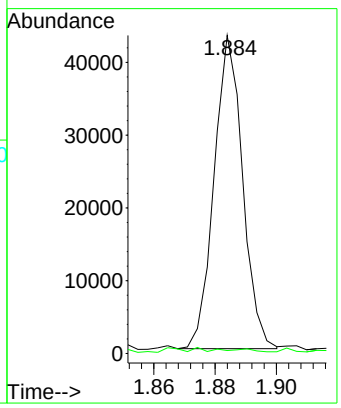




#19
Isopropyl Alcohol
Concen: 1.870 ppbv
RT: 1.884 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 45 Resp: 27804

Ion	Ratio	Lower	Upper
45	100		
58	3.3	36.9	55.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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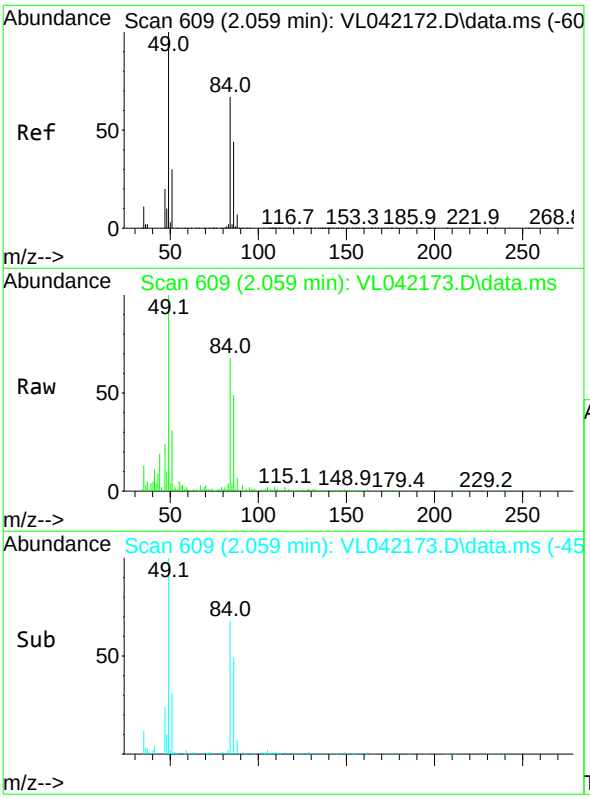
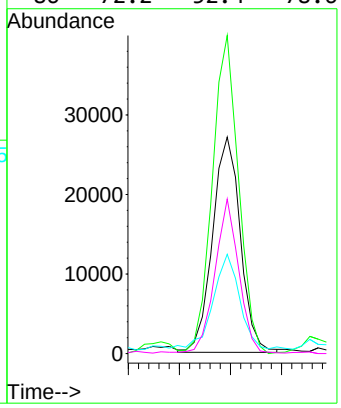
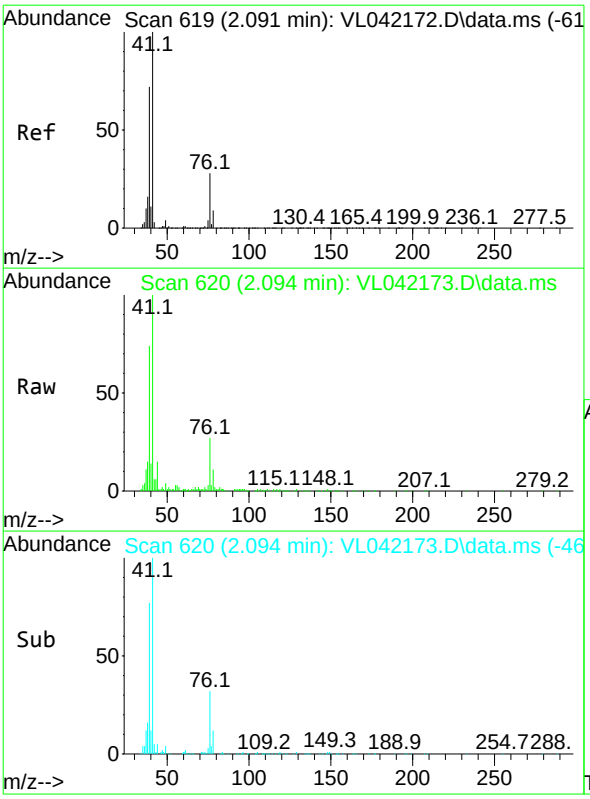


#20
Methylene Chloride
Concen: 2.091 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 20518

Ion	Ratio	Lower	Upper
84	100		
49	148.8	120.2	180.4
51	43.5	37.4	56.0
86	72.2	52.4	78.6

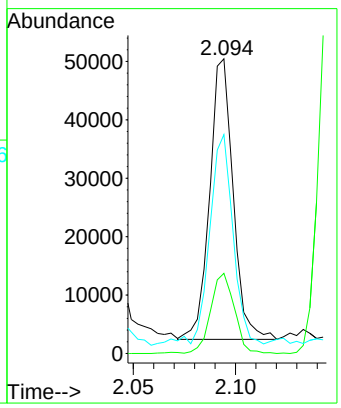




#21
Allyl Chloride
Concen: 2.068 ppbv
RT: 2.094 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 41 Resp: 38425

Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.1	36.1
39	77.5	61.1	91.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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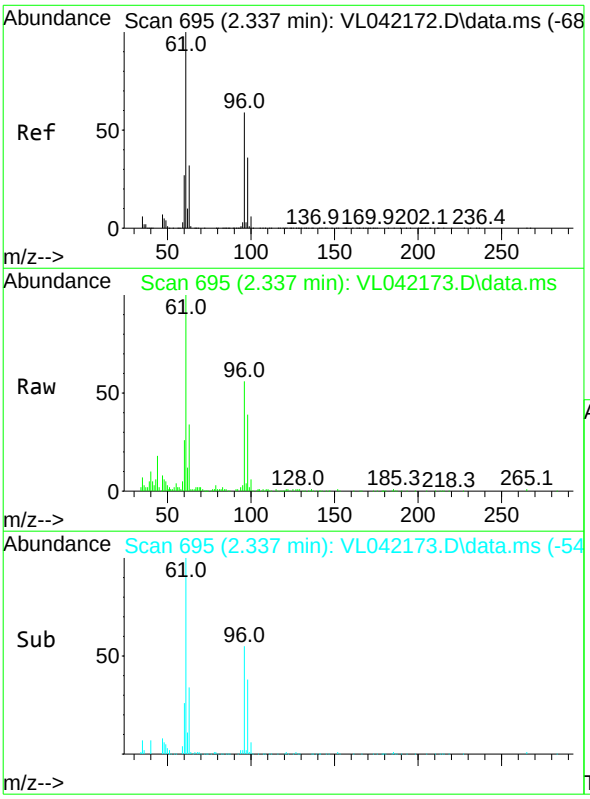
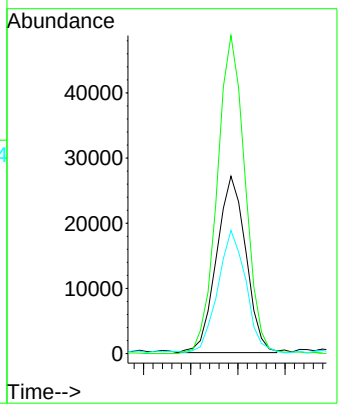
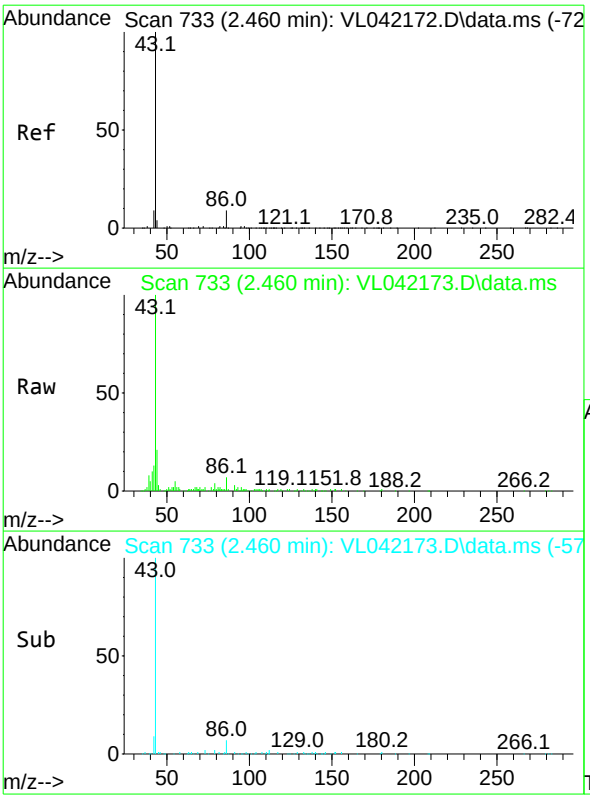


#22
trans-1,2-Dichloroethene
Concen: 1.924 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 23384

Ion	Ratio	Lower	Upper
96	100		
61	180.3	136.6	204.8
98	68.6	49.4	74.2

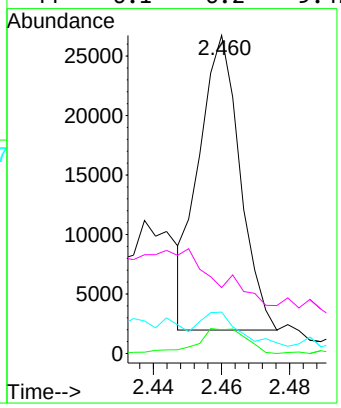




#23
Vinyl Acetate
Concen: 1.894 ppbv
RT: 2.460 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 20736

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.4	8.6	13.0
44	6.1	6.2	9.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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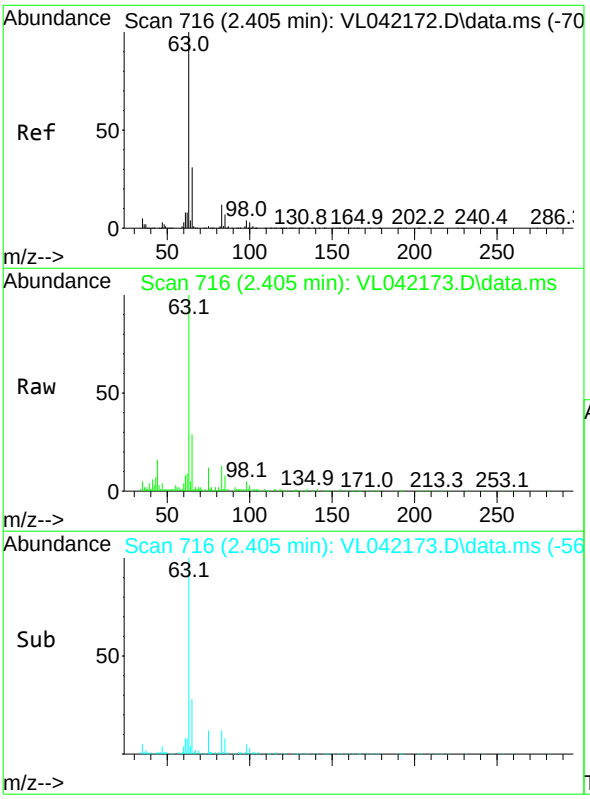
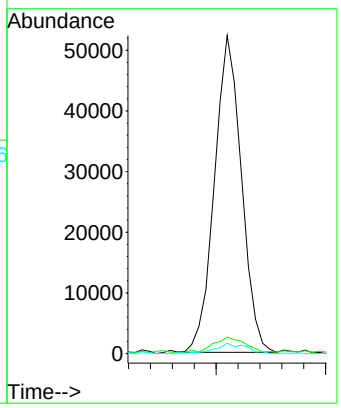
Supervised By :Mahesh Dadoda 04/03/2025

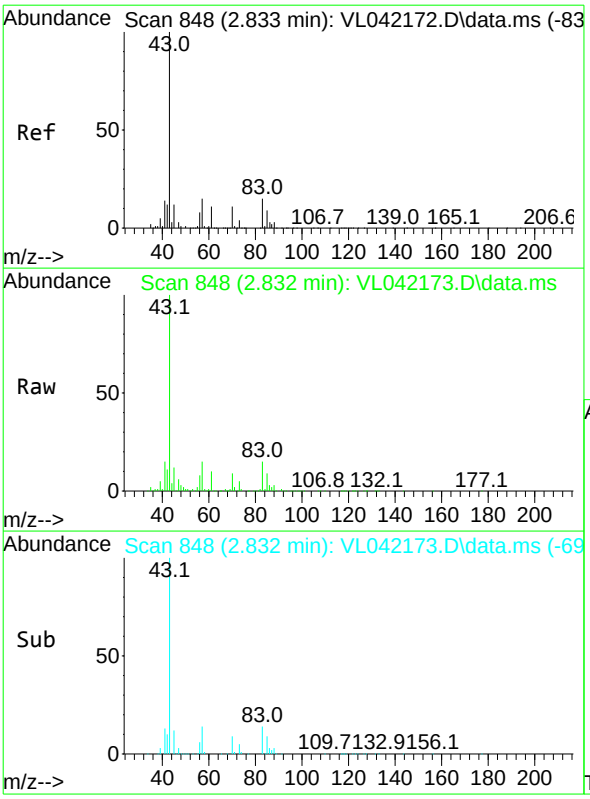


#24
1,1-Dichloroethane
Concen: 2.008 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 63 Resp: 44740

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	3.3	1.6	4.7

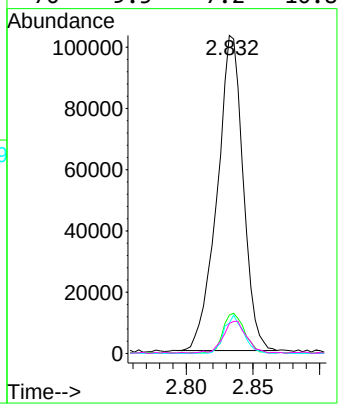




#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 139516

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.2	12.2
61	9.1	7.3	10.9
70	9.5	7.2	10.8



Instrument :
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ClientSampleId :
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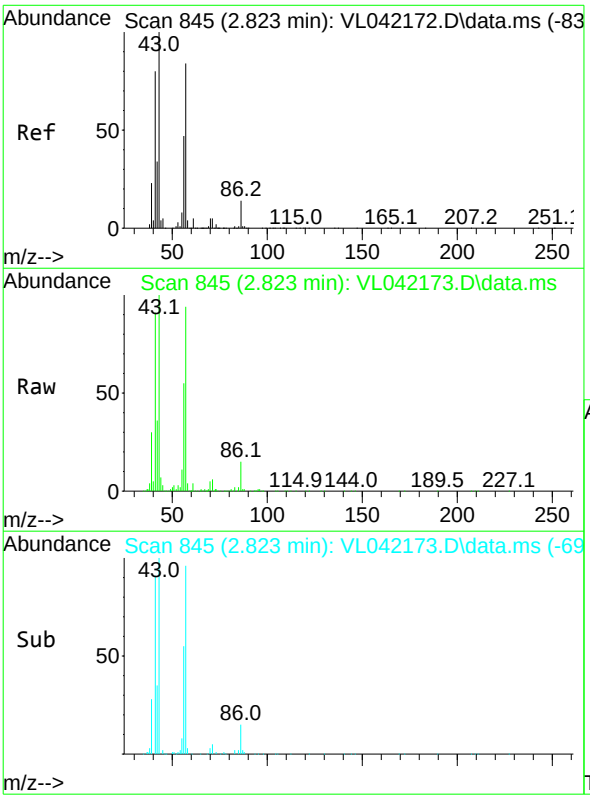
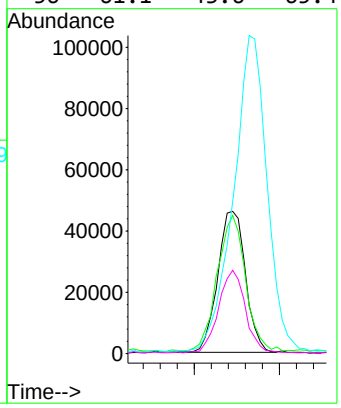
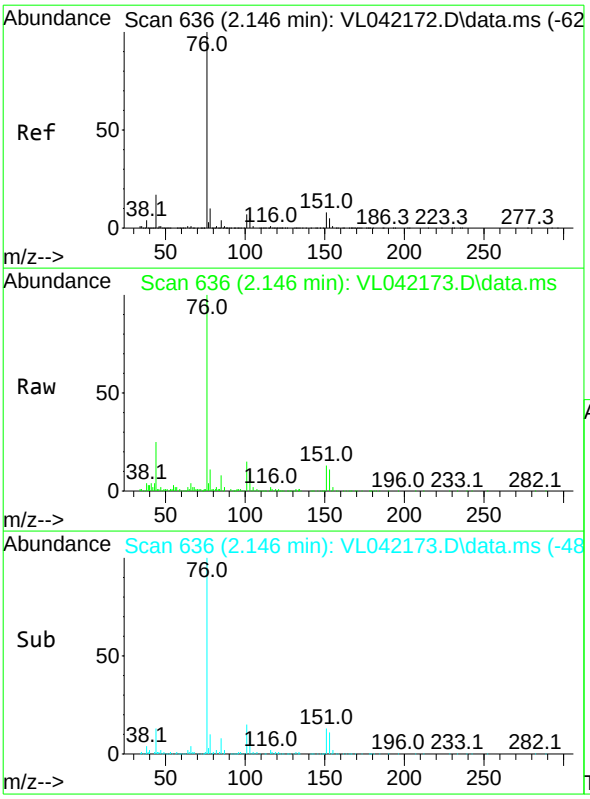


#26
Hexane
Concen: 1.972 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 57 Resp: 52095

Ion	Ratio	Lower	Upper
57	100		
41	100.9	76.6	114.8
43	274.8	207.8	311.8
56	61.1	43.6	65.4





#27
Carbon Disulfide
Concen: 2.047 ppbv
RT: 2.146 min Scan# 63
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 76 Resp: 57969

Ion	Ratio	Lower	Upper
76	100		
44	35.2	14.7	22.1#
78	12.0	9.3	13.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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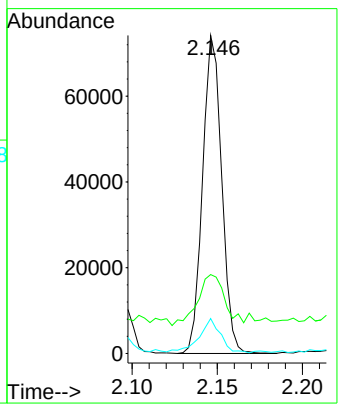
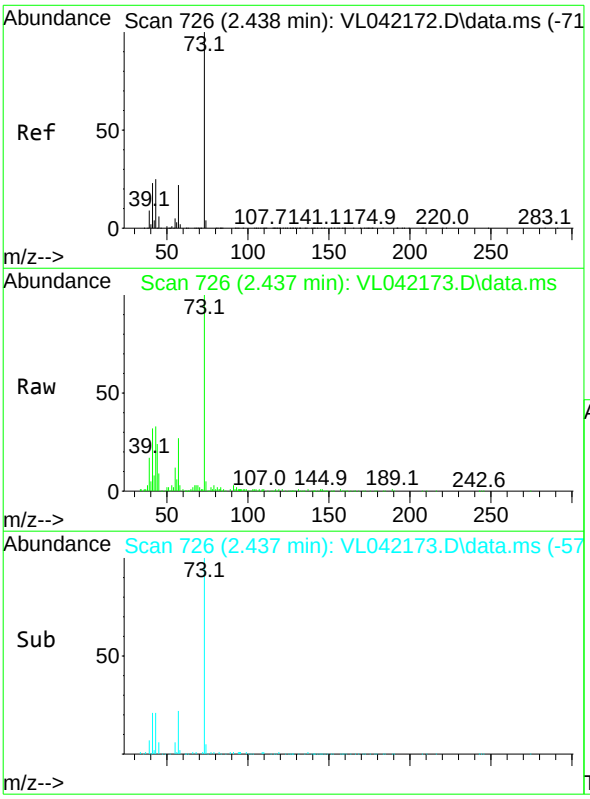
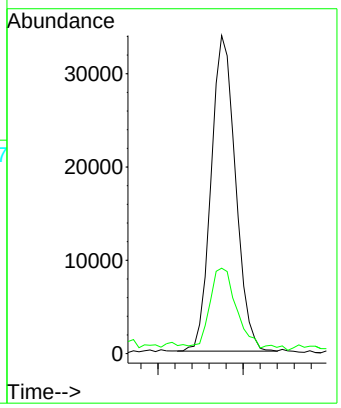


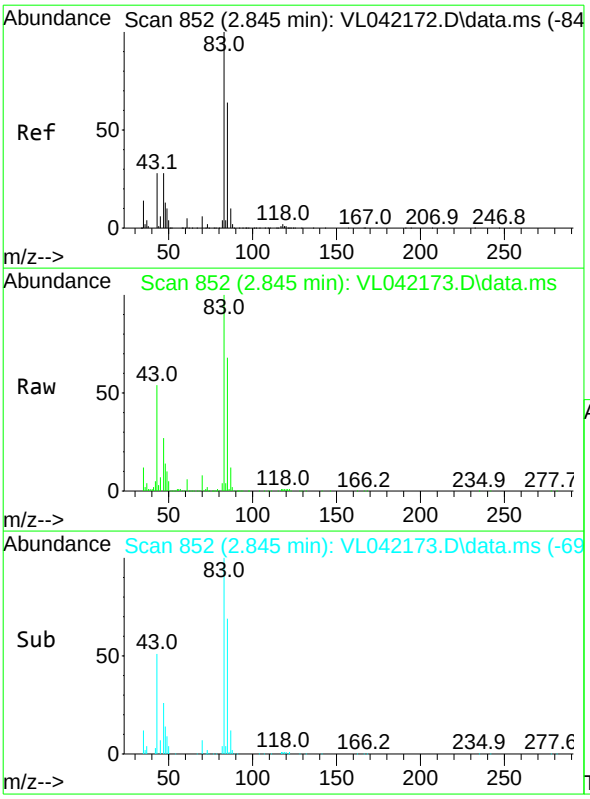


#28
Methyl tert-Butyl Ether
Concen: 2.049 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 73 Resp: 33703

Ion	Ratio	Lower	Upper
73	100		
57	25.2	20.5	30.7

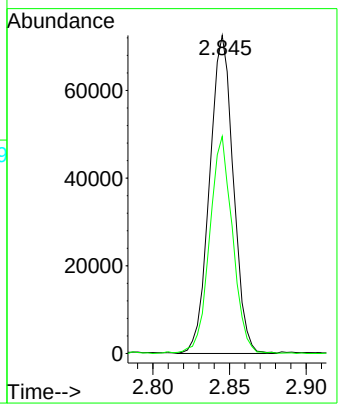




#29
Chloroform
Concen: 2.019 ppbv
RT: 2.845 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 83 Resp: 78043

Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.4	77.2



Instrument :
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ClientSampleId :
VSTDICC002

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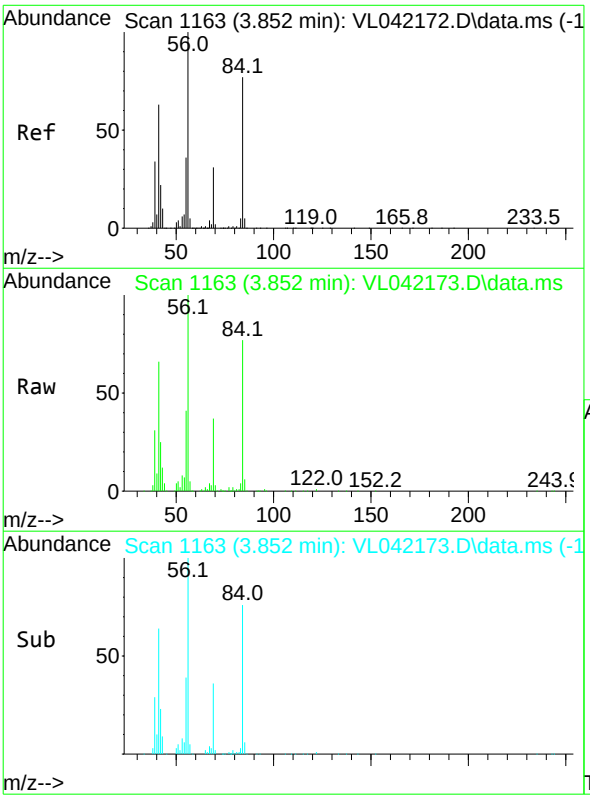
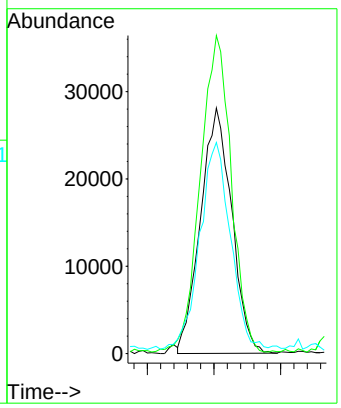
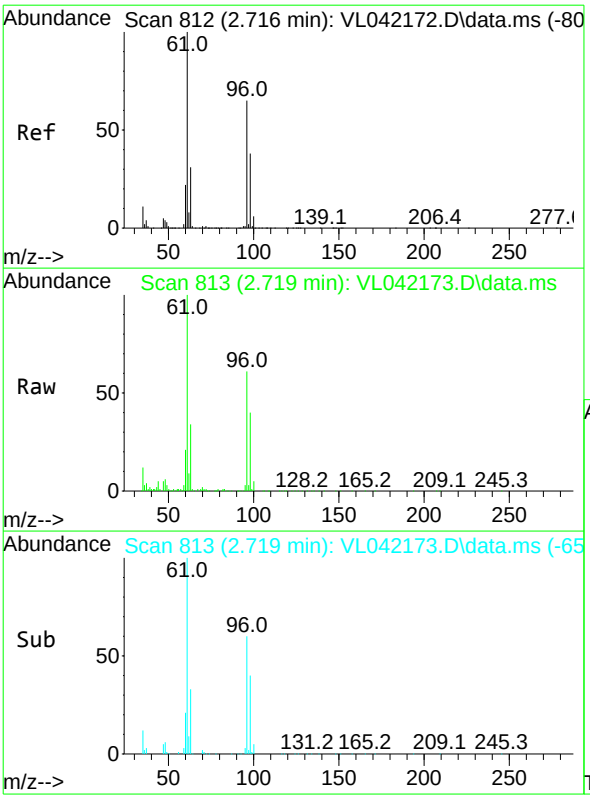


#30
Cyclohexane
Concen: 1.989 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 45641

Ion	Ratio	Lower	Upper
84	100		
56	127.8	102.8	154.2
41	84.6	66.5	99.7

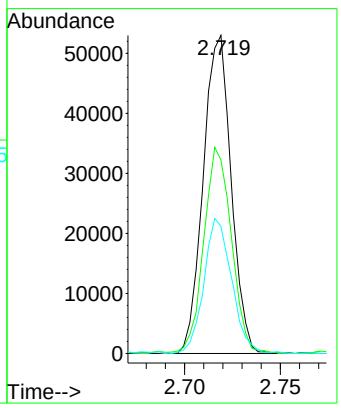




#31
cis-1,2-Dichloroethene
Concen: 2.003 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 61 Resp: 53713

Ion	Ratio	Lower	Upper
61	100		
96	60.6	51.8	77.8
98	39.6	30.6	46.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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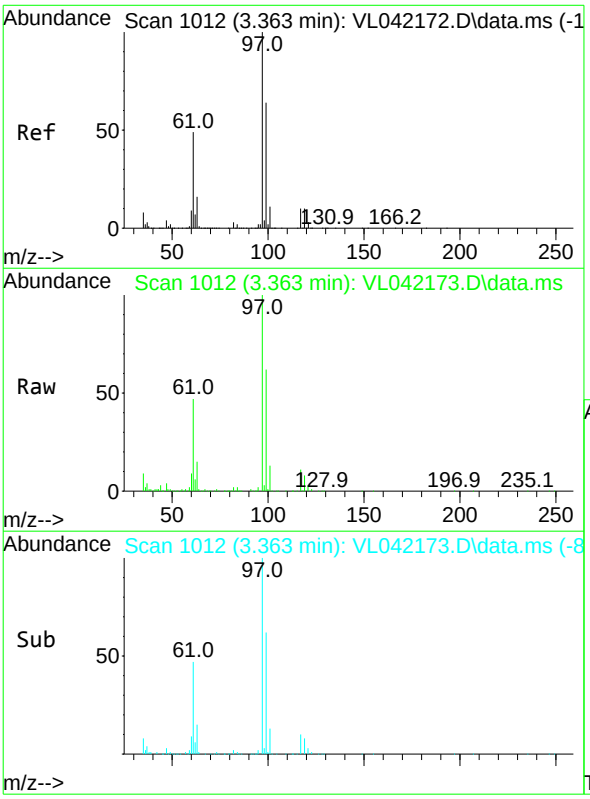
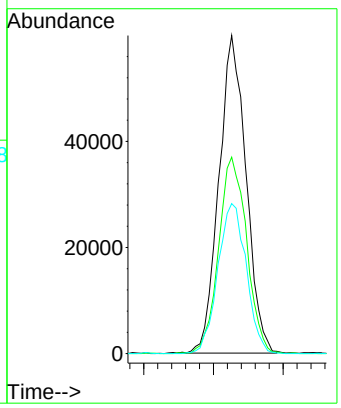
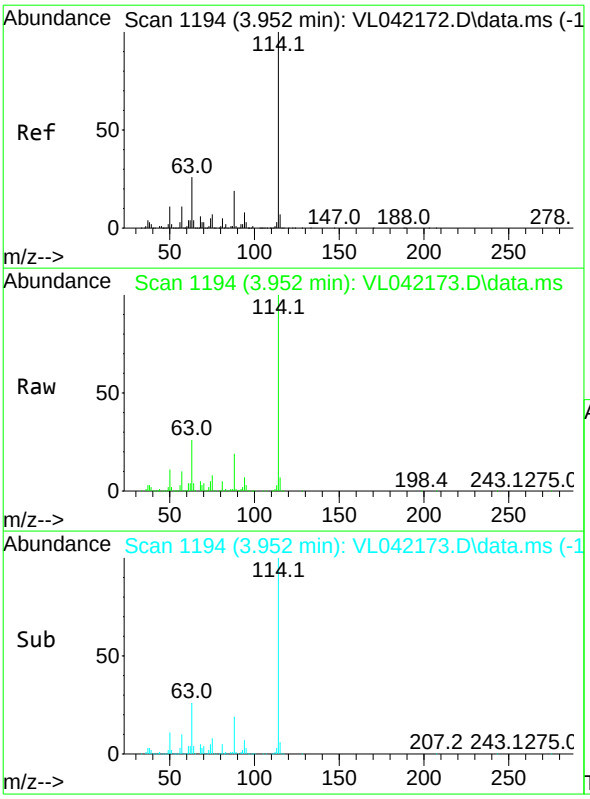


#32
1,1,1-Trichloroethane
Concen: 1.833 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 97 Resp: 81070

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	49.3	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:114 Resp: 546394

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.9	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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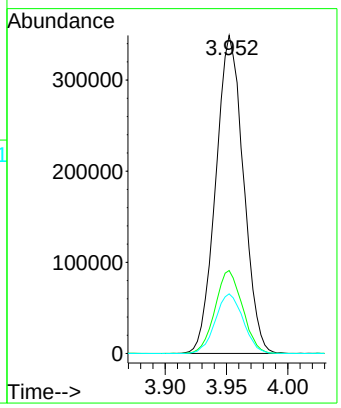
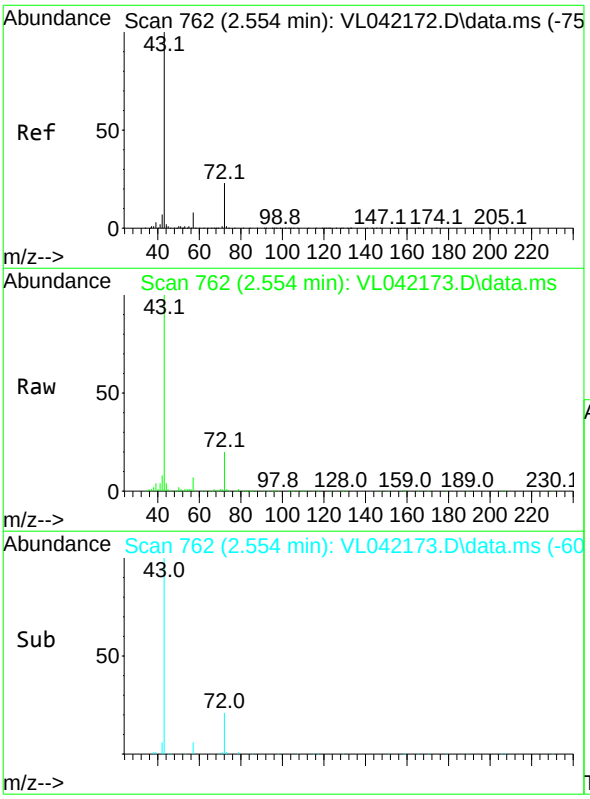
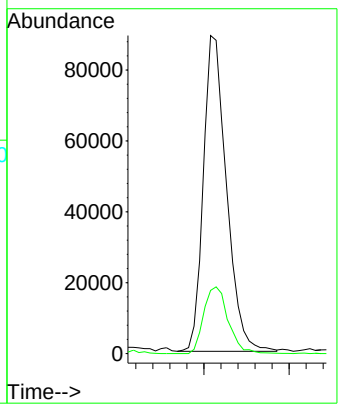


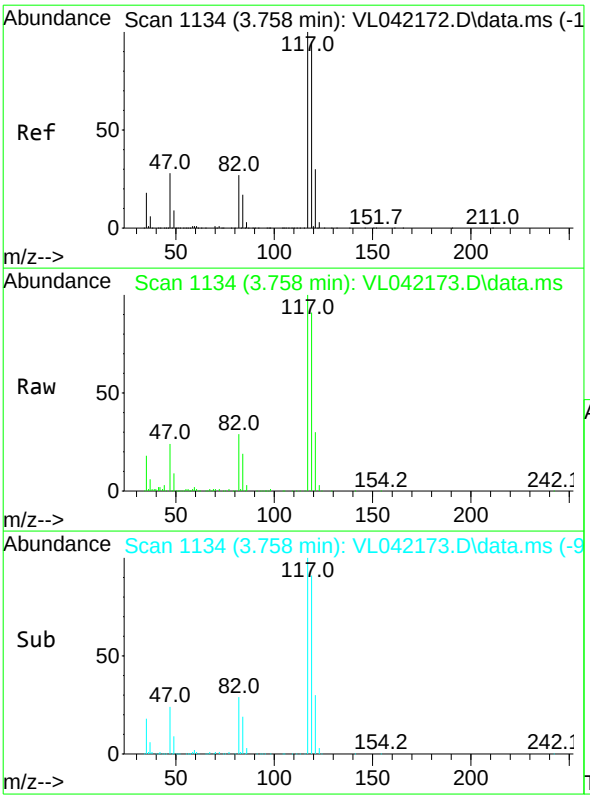


#34
2-Butanone
Concen: 2.124 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 84157

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.2	27.2





#35
Carbon Tetrachloride
Concen: 1.944 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:117 Resp: 81735

Ion	Ratio	Lower	Upper
117	100		
119	90.8	76.2	114.2
121	30.0	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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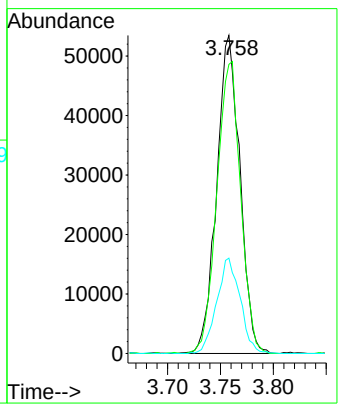
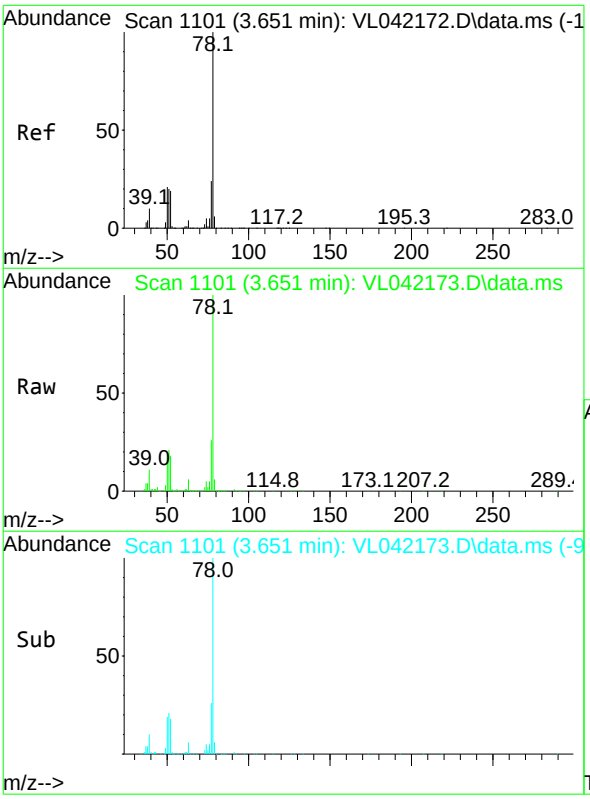
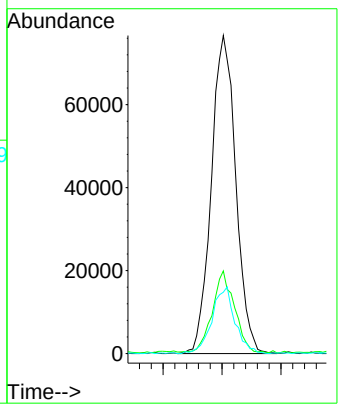


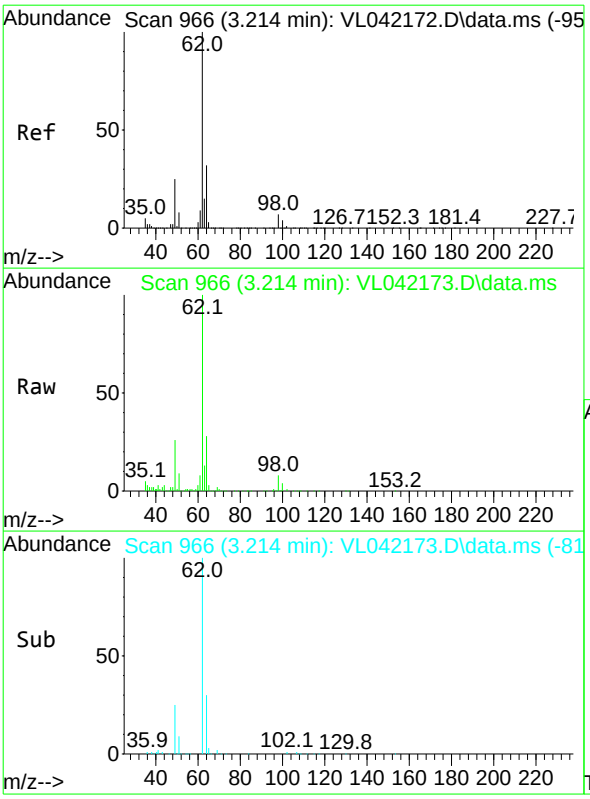


#36
Benzene
Concen: 2.044 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 78 Resp: 110727

Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.1	28.7
50	19.3	16.6	24.8





#37
1,2-Dichloroethane
Concen: 1.982 ppbv
RT: 3.214 min Scan# 96
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 62 Resp: 61476

Ion	Ratio	Lower	Upper
62	100		
98	7.7	5.4	8.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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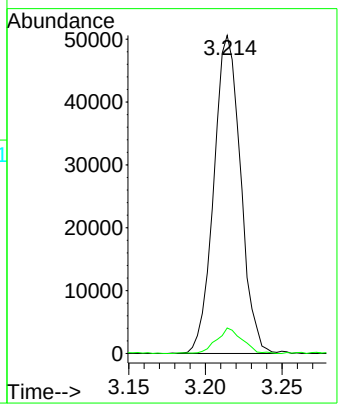
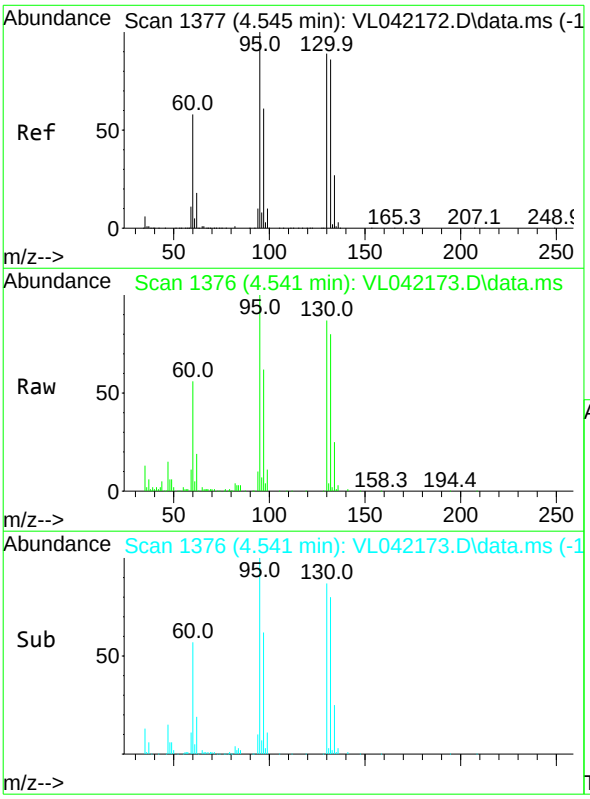
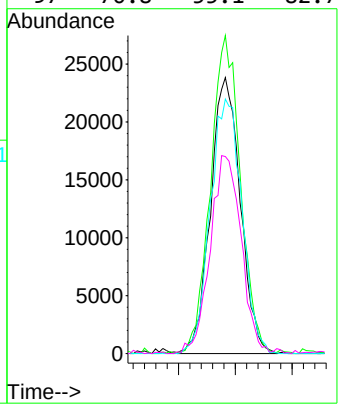


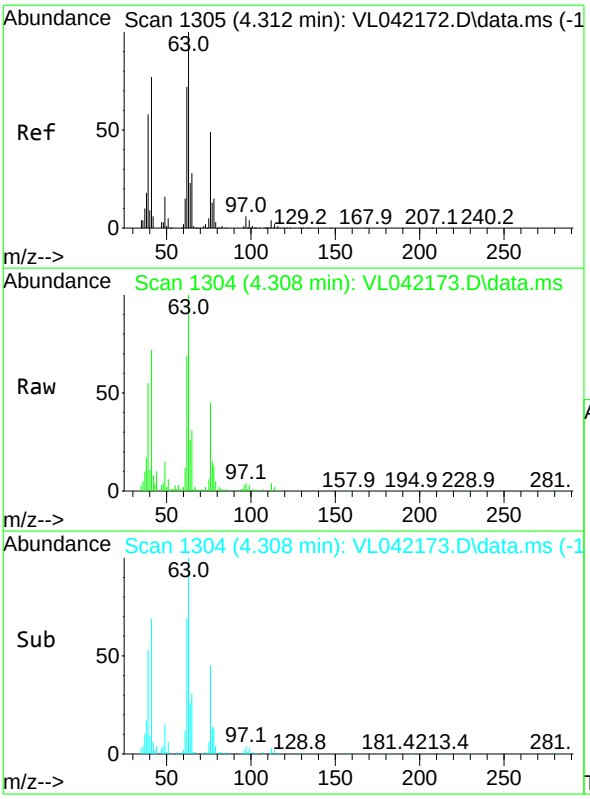


#38
Trichloroethene
Concen: 1.924 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:130 Resp: 43501

Ion	Ratio	Lower	Upper
130	100		
95	114.8	89.8	134.8
132	92.2	77.4	116.2
97	70.8	55.1	82.7





#39
1,2-Dichloropropane
Concen: 2.023 ppbv
RT: 4.308 min Scan# 13
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 63 Resp: 39912

Ion	Ratio	Lower	Upper
63	100		
41	68.6	61.7	92.5
62	69.2	57.6	86.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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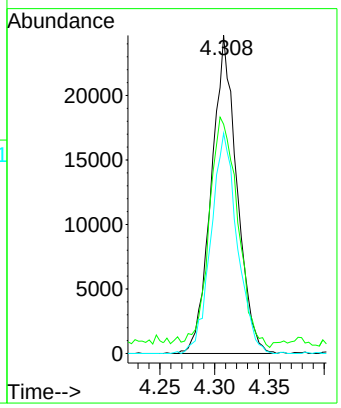
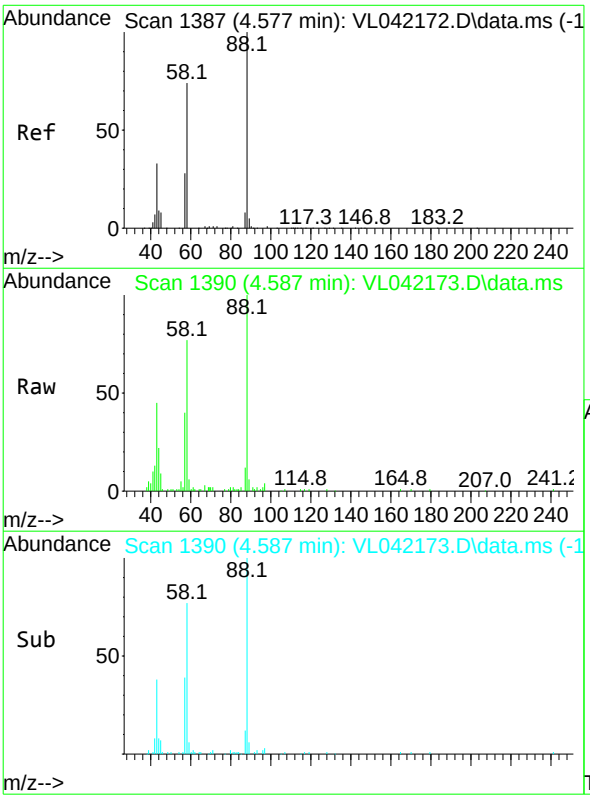
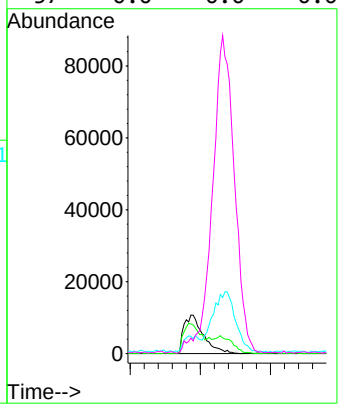


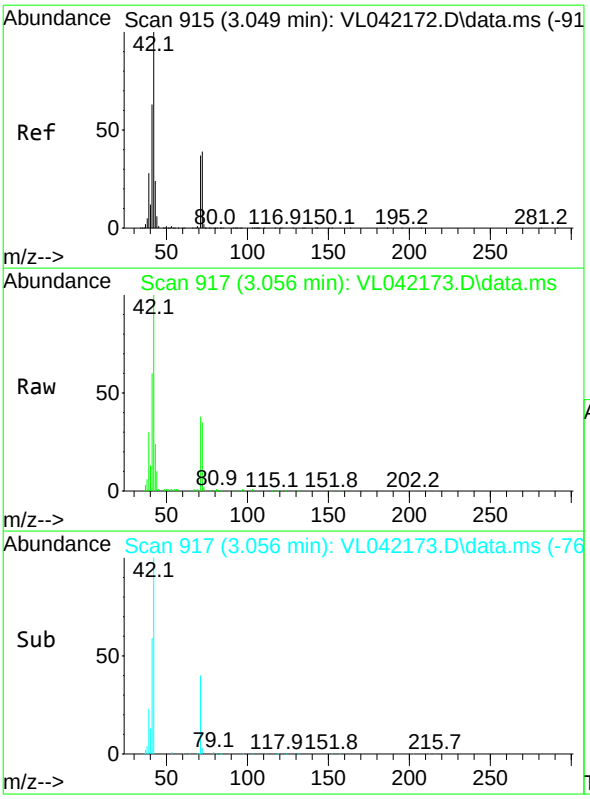


#40
1,4-Dioxane
Concen: 2.040 ppbv m
RT: 4.587 min Scan# 1390
Delta R.T. 0.009 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 88 Resp: 20884

Ion	Ratio	Lower	Upper
88	100		
58	119.5	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0

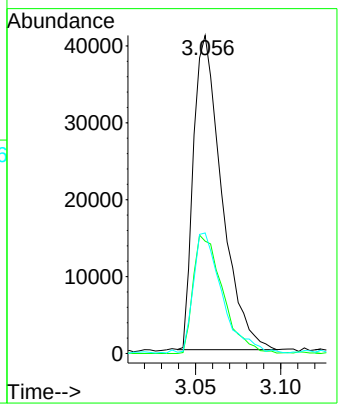




#41
Tetrahydrofuran
Concen: 2.097 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 42 Resp: 47262

Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.0
71	39.0	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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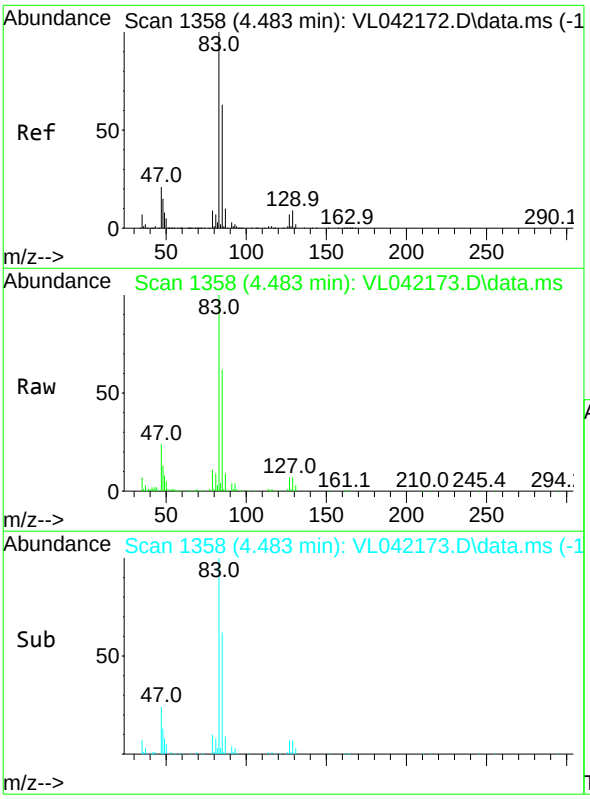
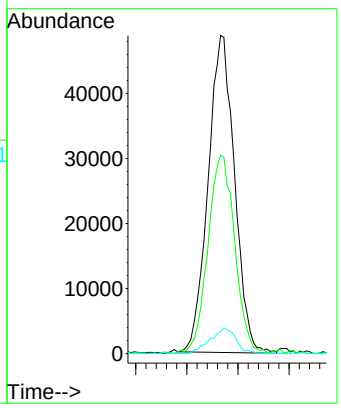
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

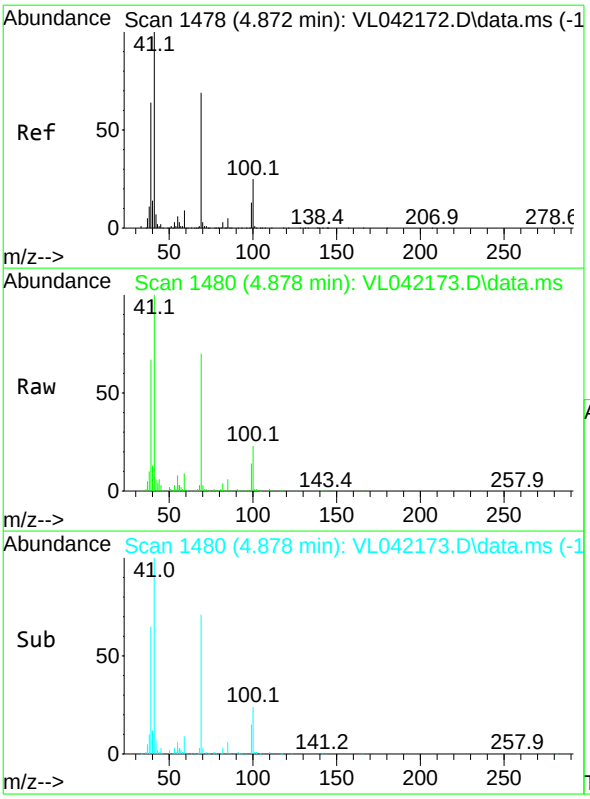


#42
Bromodichloromethane
Concen: 2.050 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 83 Resp: 87640

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.5	75.7
127	6.9	5.9	8.9

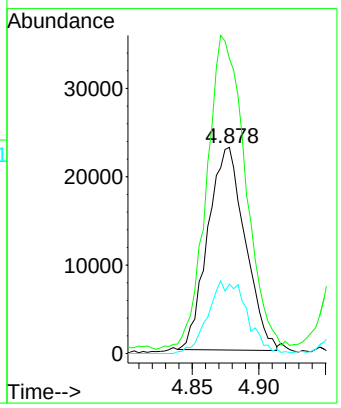




#43
Methyl Methacrylate
Concen: 1.952 ppbv
RT: 4.878 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 69 Resp: 44624

Ion	Ratio	Lower	Upper
69	100		
41	158.7	123.8	185.6
100	37.5	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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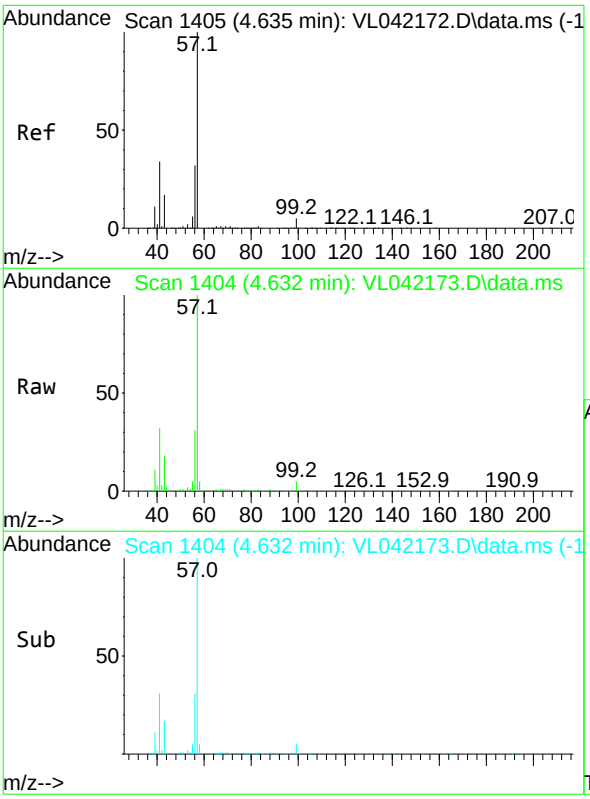
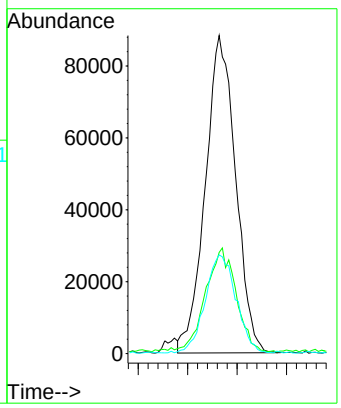
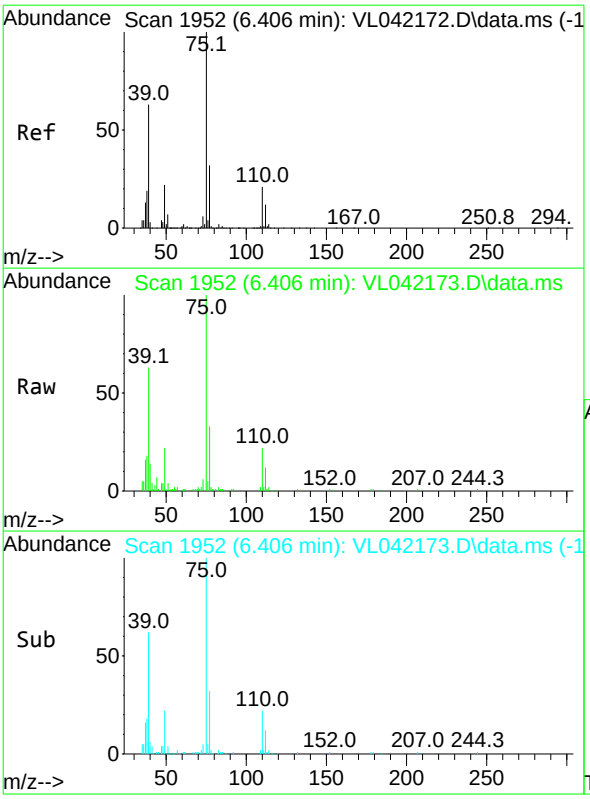


#44
2,2,4-Trimethylpentane
Concen: 2.057 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 57 Resp: 188282

Ion	Ratio	Lower	Upper
57	100		
41	33.8	26.8	40.2
56	31.8	25.6	38.4





#45
t-1,3-Dichloropropene
Concen: 2.011 ppbv
RT: 6.406 min Scan# 19
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 75 Resp: 49461

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.0	39.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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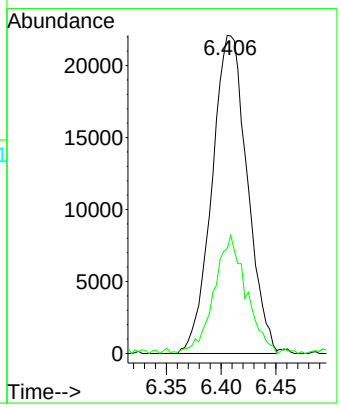
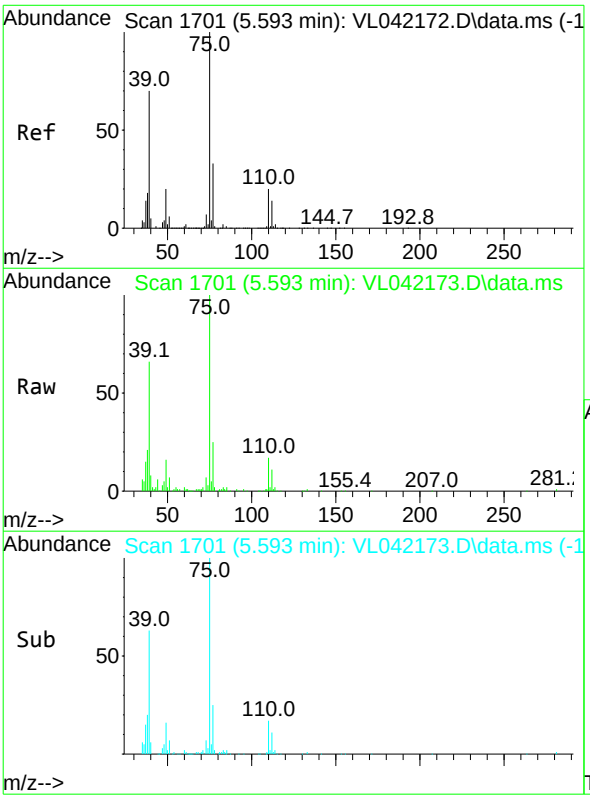
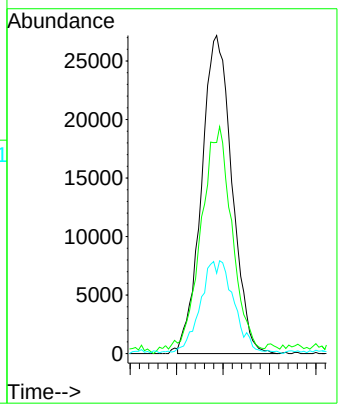


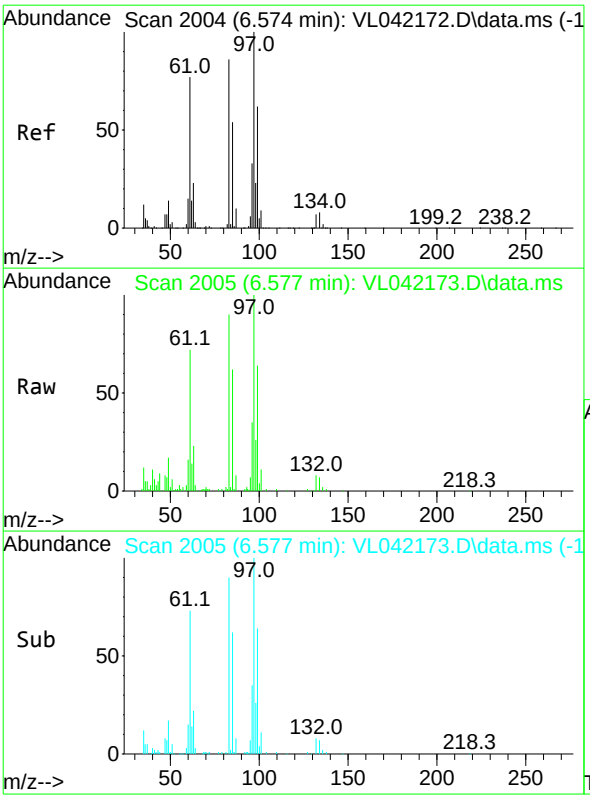


#46
cis-1,3-Dichloropropene
Concen: 2.050 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 75 Resp: 61829

Ion	Ratio	Lower	Upper
75	100		
39	64.4	55.8	83.6
77	24.5	26.0	39.0#

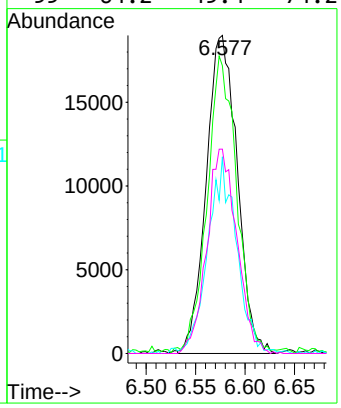




#47
1,1,2-Trichloroethane
Concen: 1.985 ppbv
RT: 6.577 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 97 Resp: 41387

Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.2	103.8
85	61.3	43.1	64.7
99	64.2	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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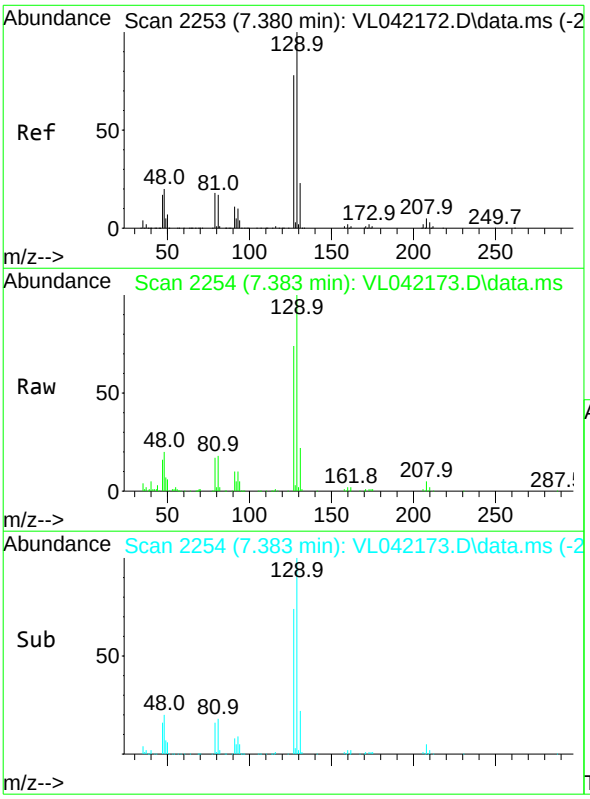
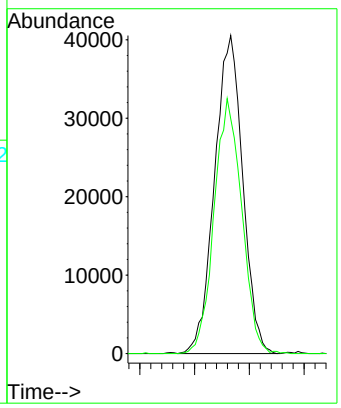
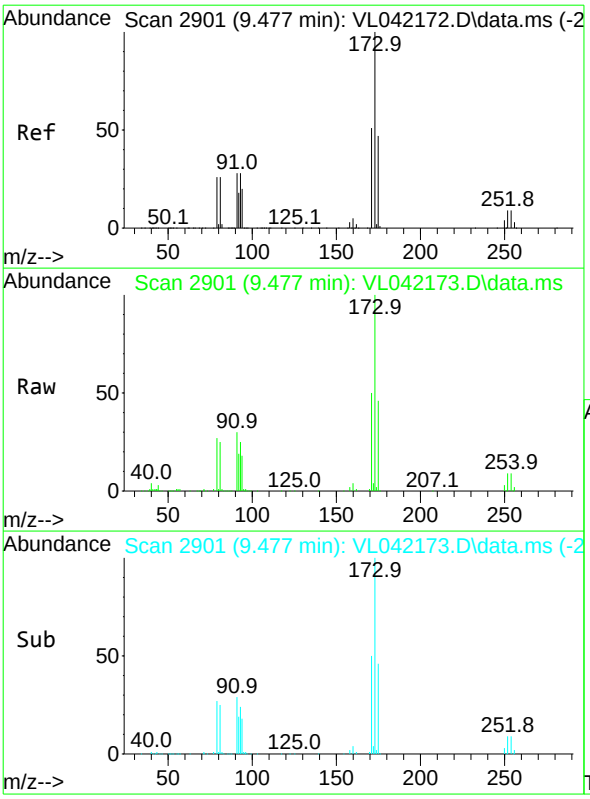


#48
Dibromochloromethane
Concen: 2.050 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:129 Resp: 72441

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





#49
Bromoform
Concen: 2.056 ppbv
RT: 9.477 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:173 Resp: 65221

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
171	53.0	41.8	62.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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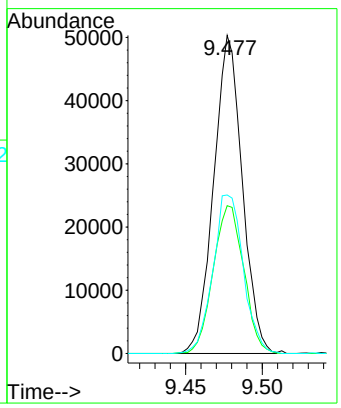
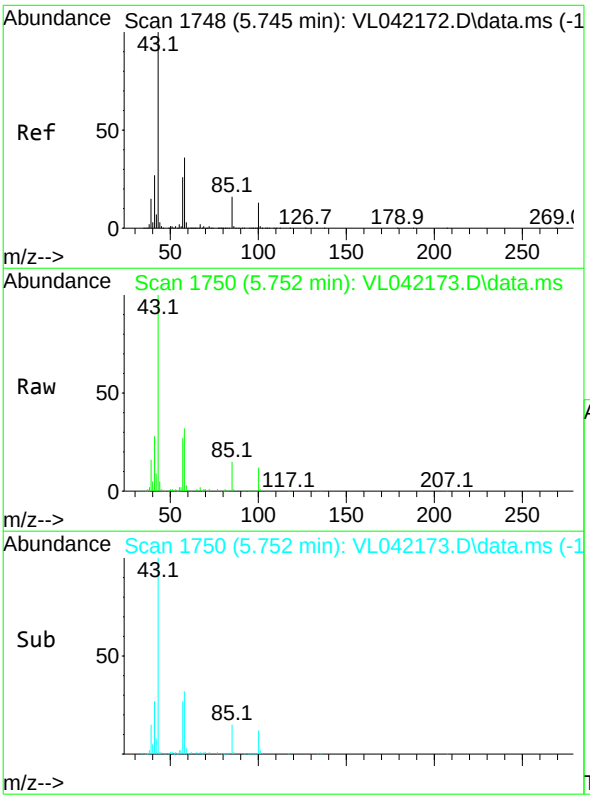
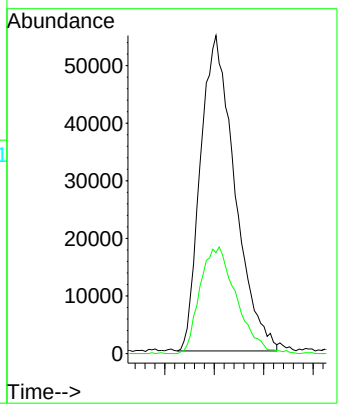


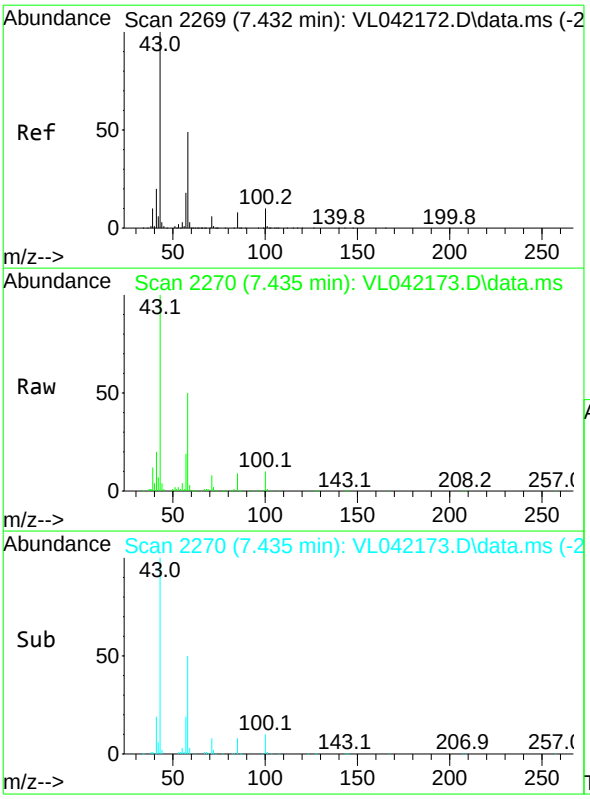


#50
4-Methyl-2-Pentanone
Concen: 2.107 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 132328

Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.0	43.6

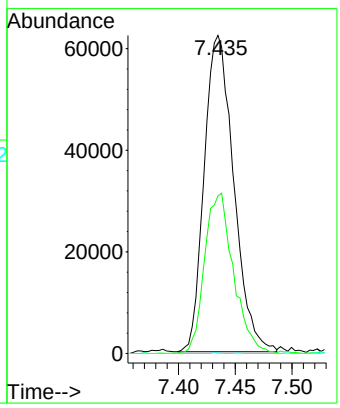




#51
2-Hexanone
Concen: 2.162 ppbv
RT: 7.435 min Scan# 22
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 112681

Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.7	59.5
98	0.0	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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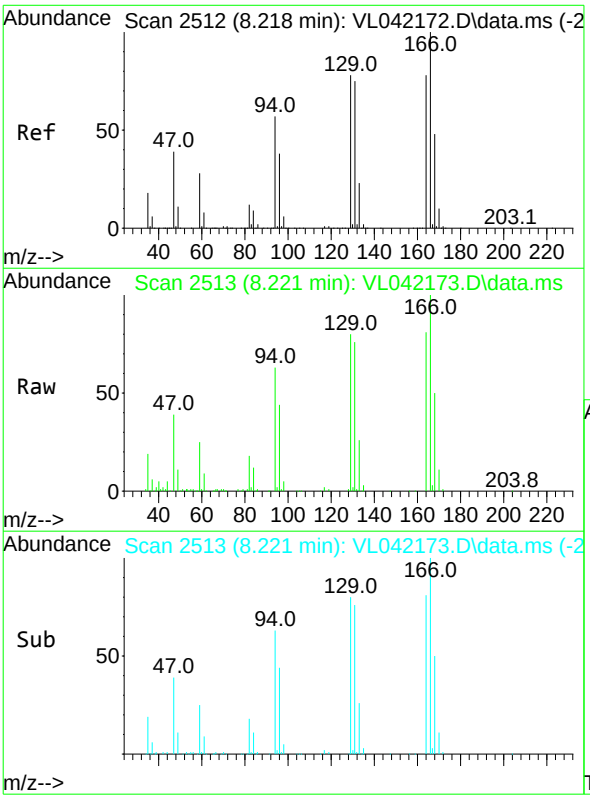
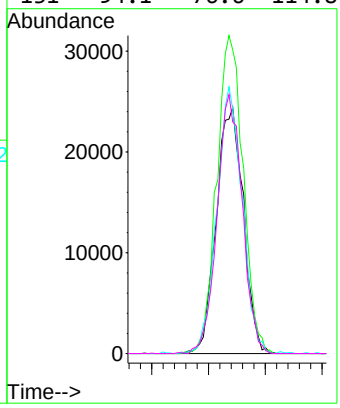
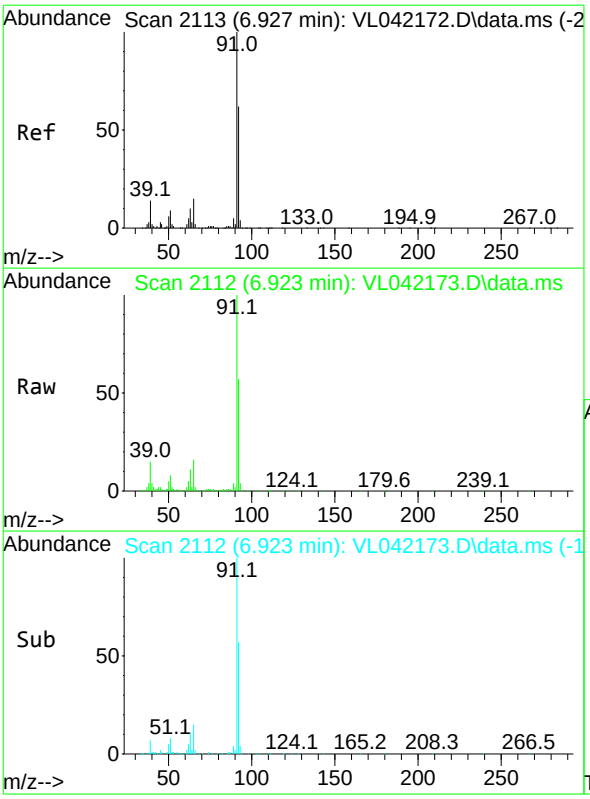


#52
Tetrachloroethene
Concen: 1.888 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:164 Resp: 40558

Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.5	153.7
129	99.2	79.8	119.8
131	94.1	76.6	114.8

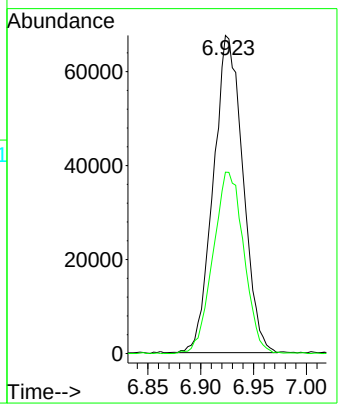




#53
Toluene
Concen: 2.045 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 131314

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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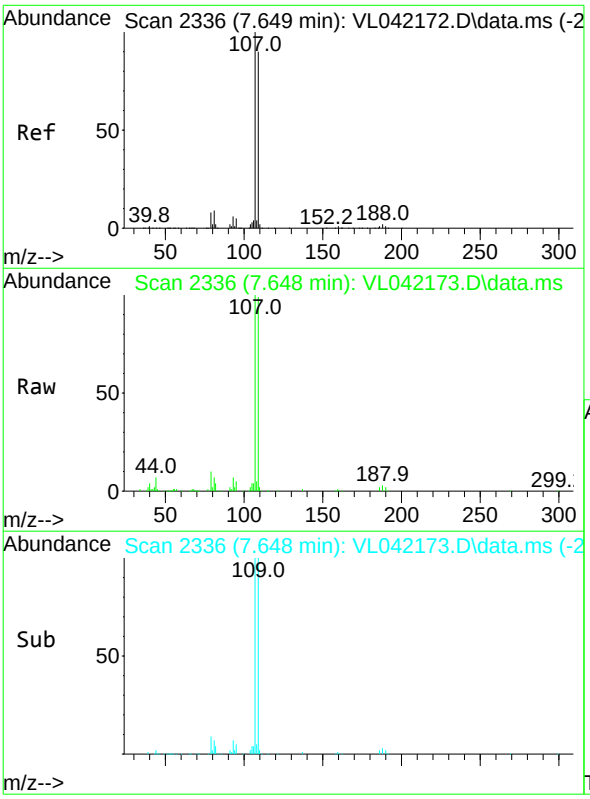
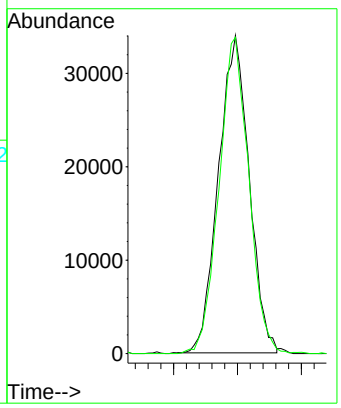
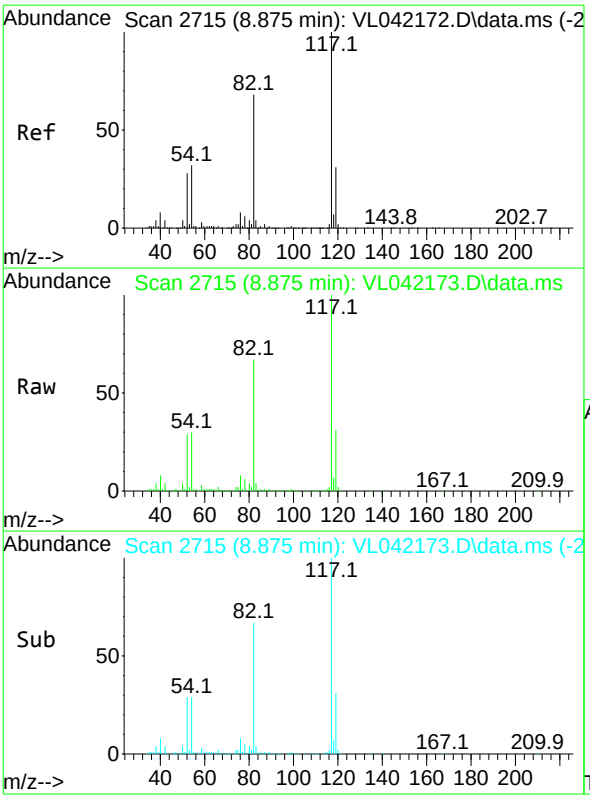


#54
1,2-Dibromoethane
Concen: 1.952 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:107 Resp: 56799

Ion	Ratio	Lower	Upper
107	100		
109	99.7	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 27
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:117 Resp: 504538

Ion	Ratio	Lower	Upper
117	100		
82	68.2	55.8	83.6
119	33.0	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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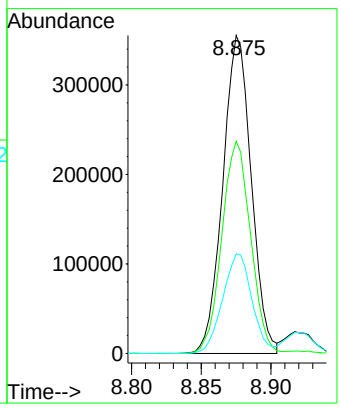
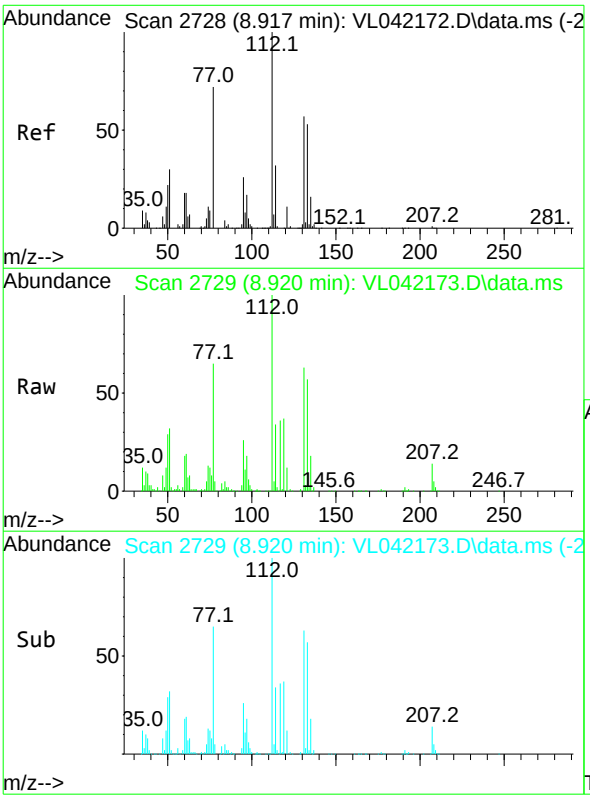
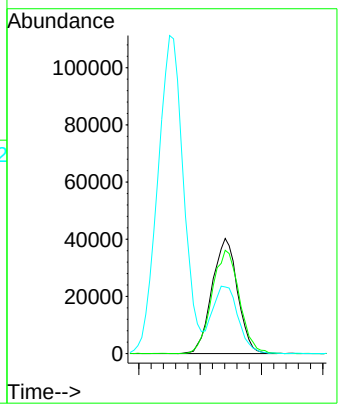


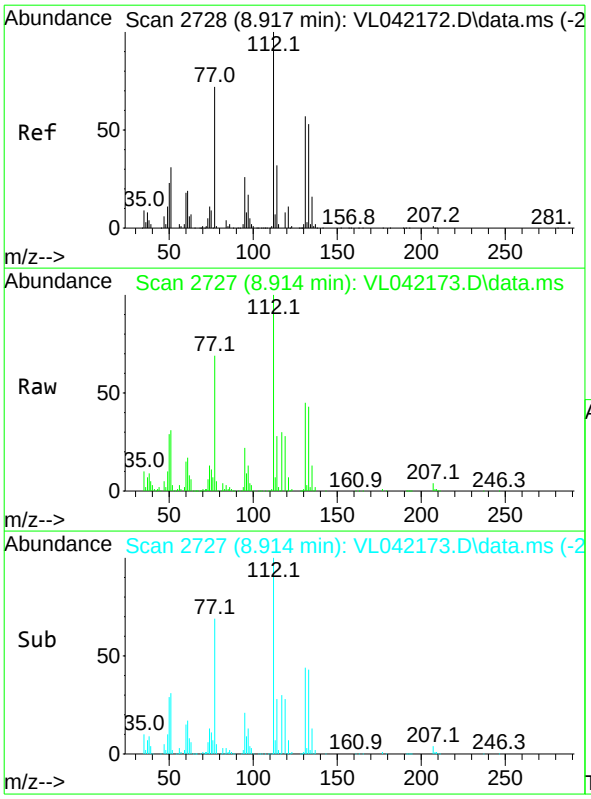


#56
1,1,1,2-Tetrachloroethane
Concen: 2.093 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:131 Resp: 58141

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.6	114.8
119	58.3	49.8	74.6





#57
Chlorobenzene
Concen: 2.096 ppbv
RT: 8.914 min Scan# 27
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:112 Resp: 100308

Ion	Ratio	Lower	Upper
112	100		
77	68.8	58.2	87.2
114	27.8	29.1	35.5#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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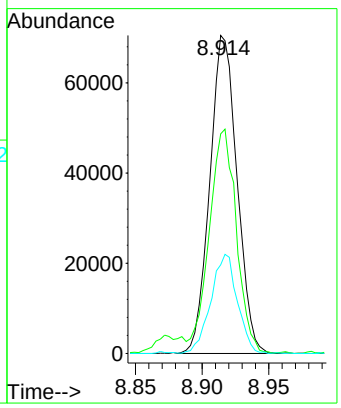
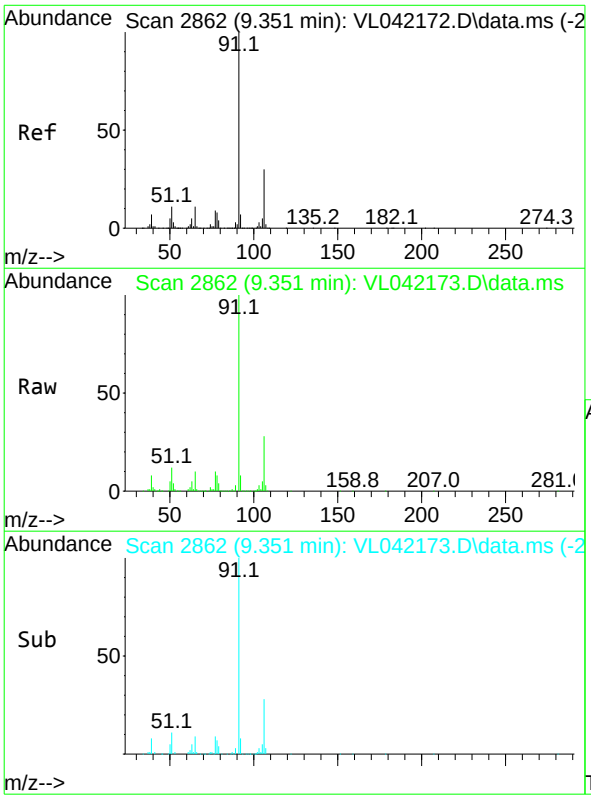
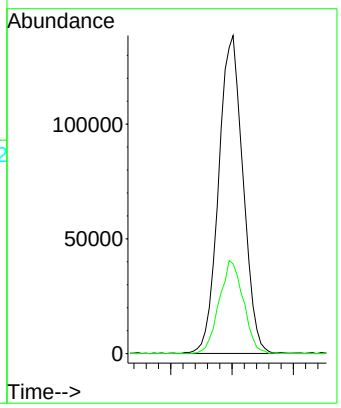


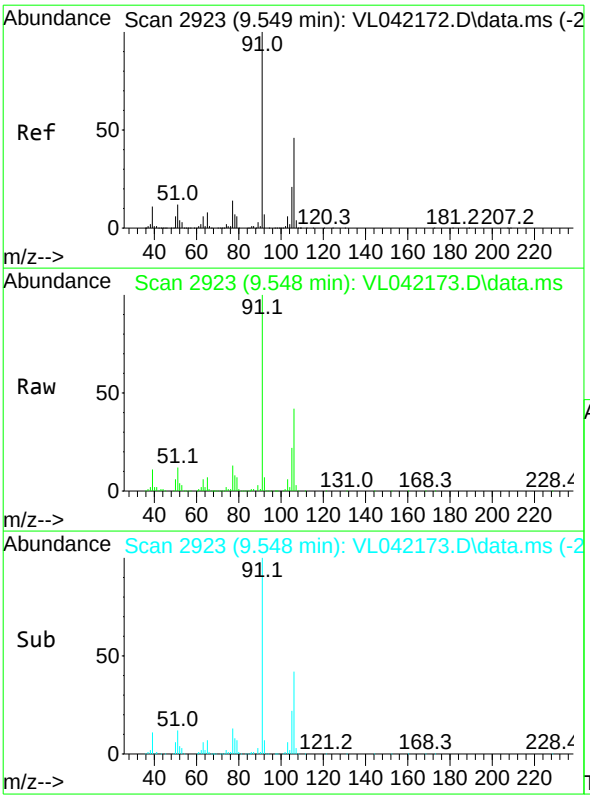


#58
Ethyl Benzene
Concen: 2.132 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 191114

Ion	Ratio	Lower	Upper
91	100		
106	28.3	24.2	36.2





#59
m/p-Xylene
Concen: 4.181 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 299531

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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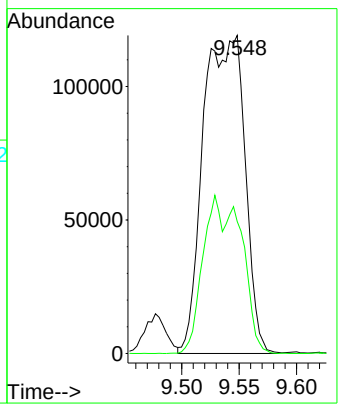
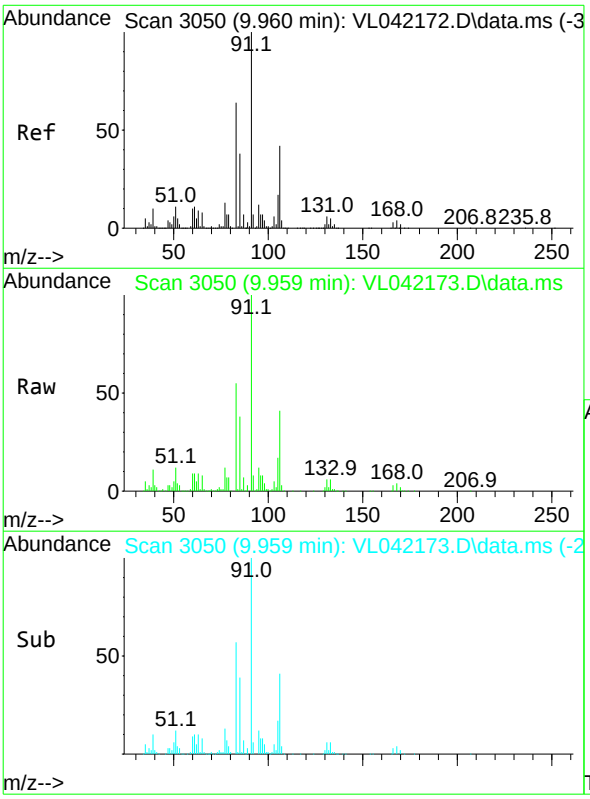
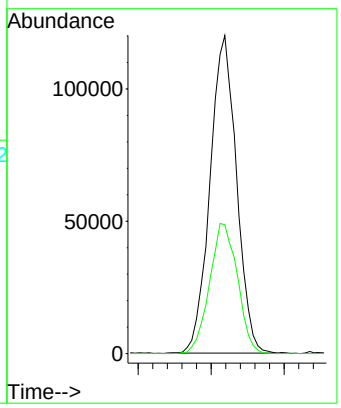


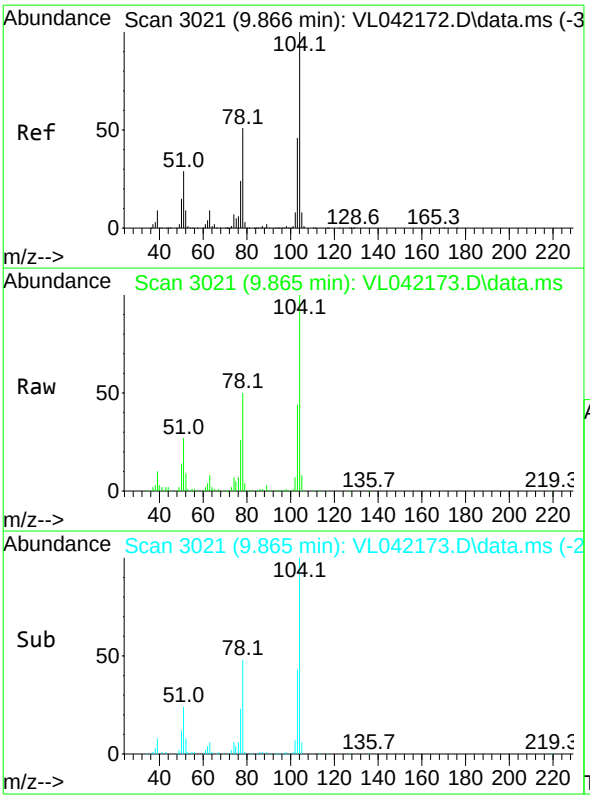


#60
o-Xylene
Concen: 2.109 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 151292

Ion	Ratio	Lower	Upper
91	100		
106	43.2	20.8	62.5

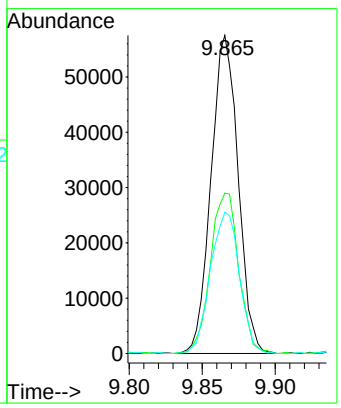




#61
Styrene
Concen: 2.089 ppbv
RT: 9.865 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:104 Resp: 74134

Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.8	62.6
103	47.8	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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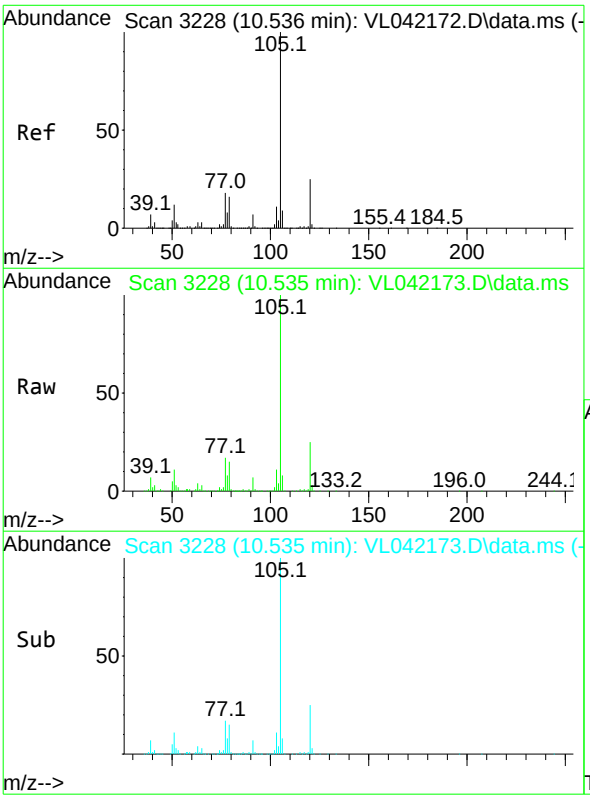
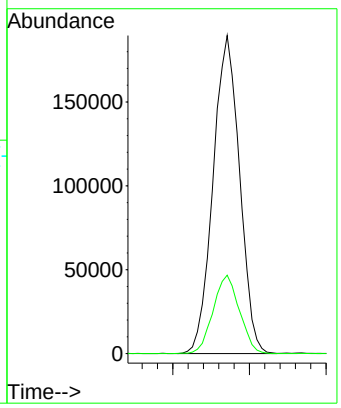
Supervised By :Mahesh Dadoda 04/03/2025

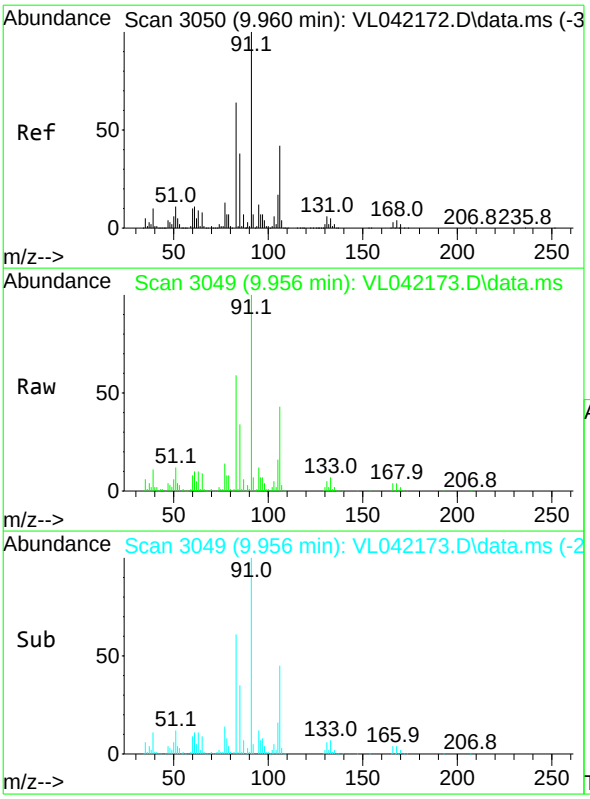


#62
Isopropylbenzene
Concen: 2.127 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 228191

Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 2.067 ppbv
RT: 9.956 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 83 Resp: 90114

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.4	32.5	97.5

Instrument :
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ClientSampleId :
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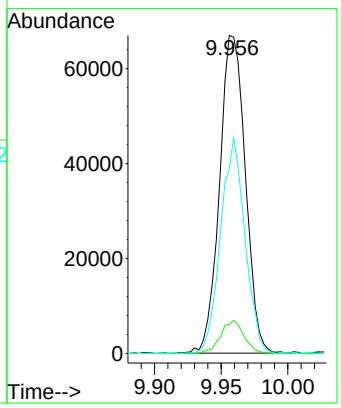
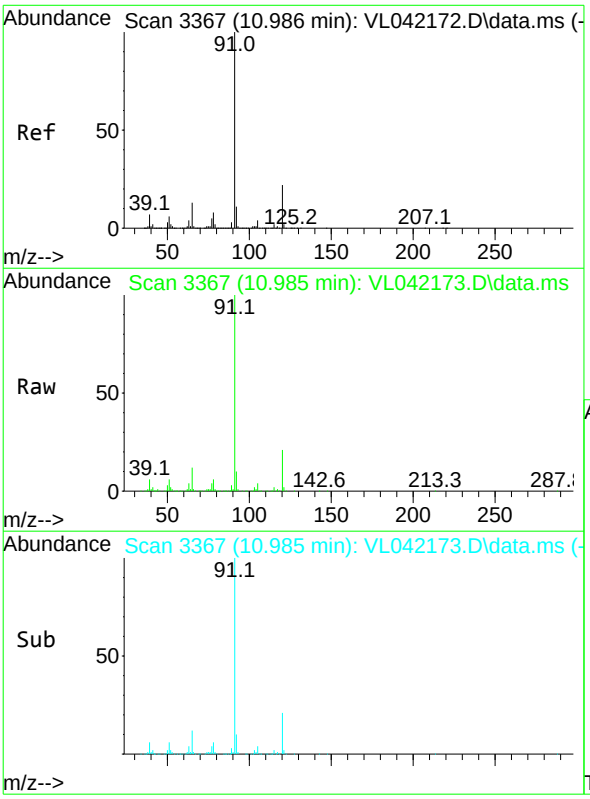
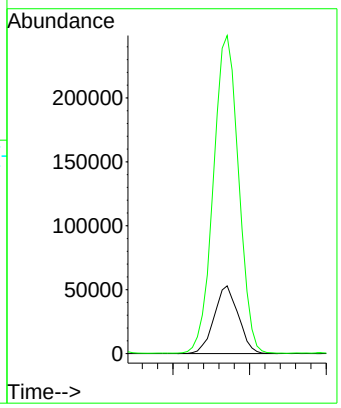


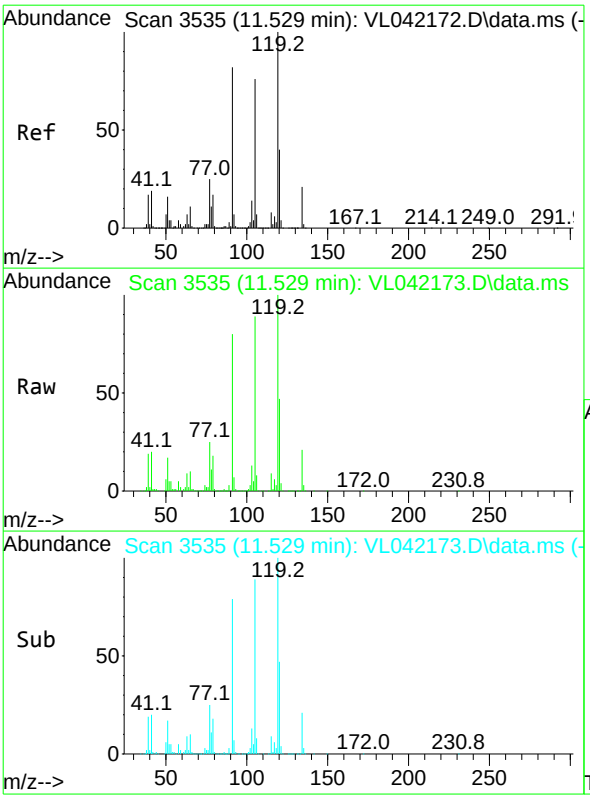


#64
n-propylbenzene
Concen: 2.104 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:120 Resp: 58105

Ion	Ratio	Lower	Upper
120	100		
91	491.1	376.9	565.3





#65
tert-Butylbenzene
Concen: 2.180 ppbv
RT: 11.529 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:119 Resp: 216336

Ion	Ratio	Lower	Upper
119	100		
91	81.5	66.0	99.0
134	20.2	16.7	25.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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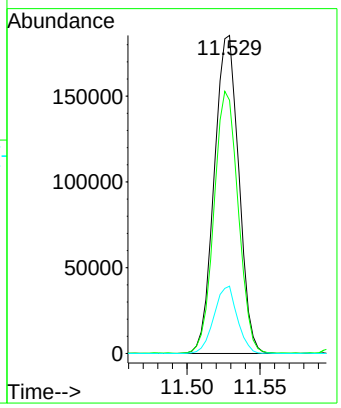
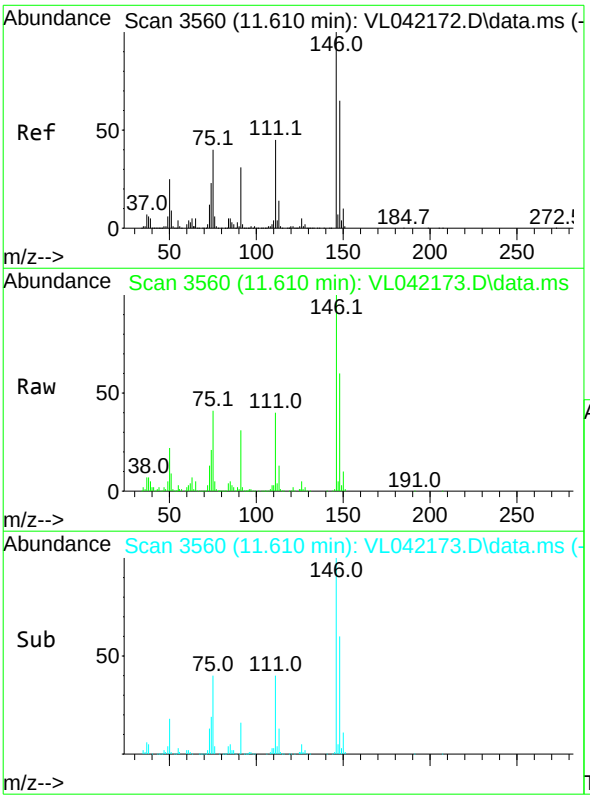
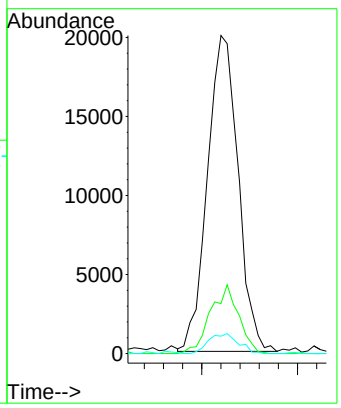


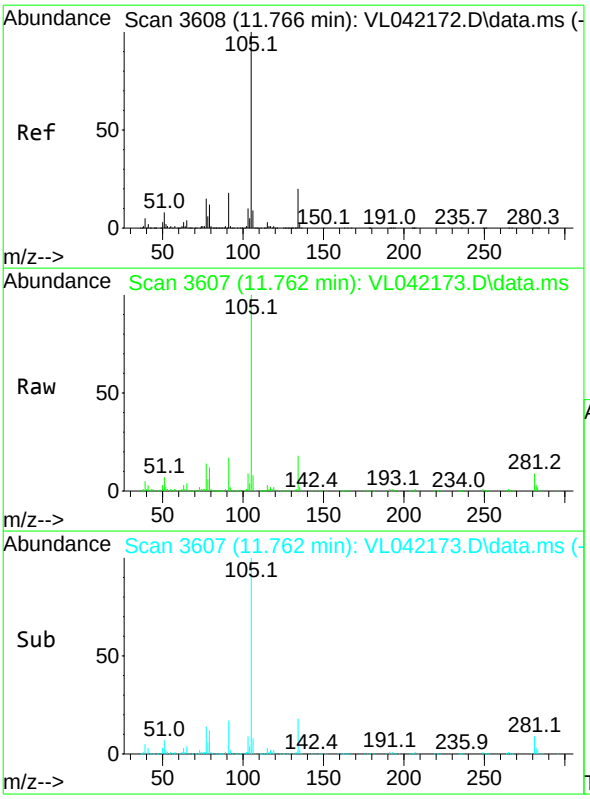


#66
Benzyl Chloride
Concen: 2.116 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 22272

Ion	Ratio	Lower	Upper
91	100		
126	20.0	13.8	20.6
128	6.5	4.5	6.7

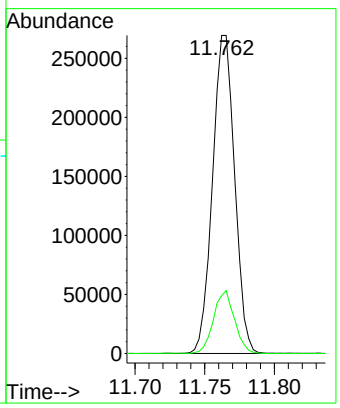




#67
sec-Butylbenzene
Concen: 2.156 ppbv
RT: 11.762 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 297381

Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.5	23.3



Instrument :
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ClientSampleId :
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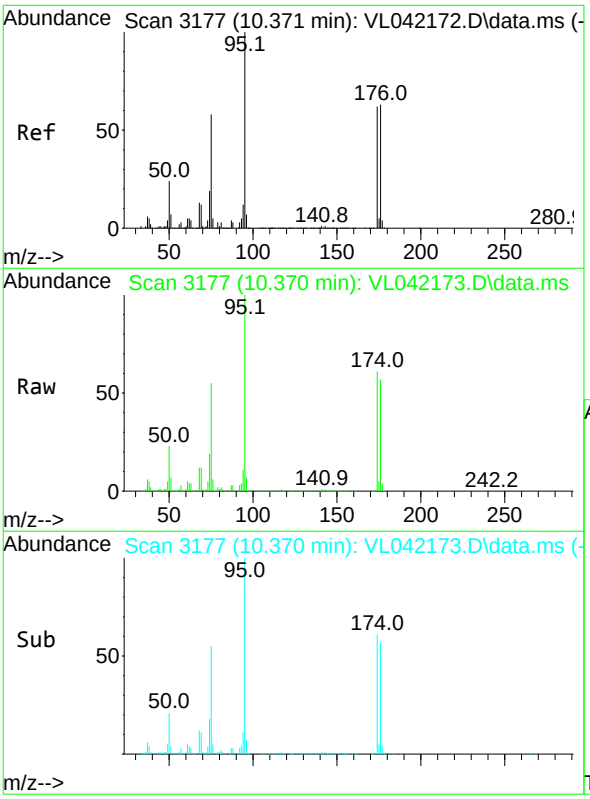
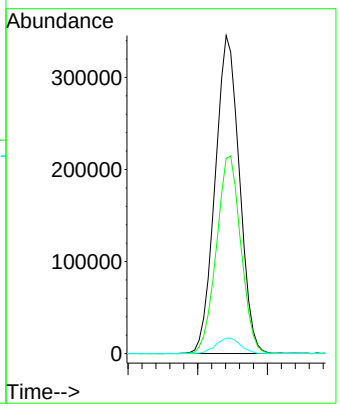
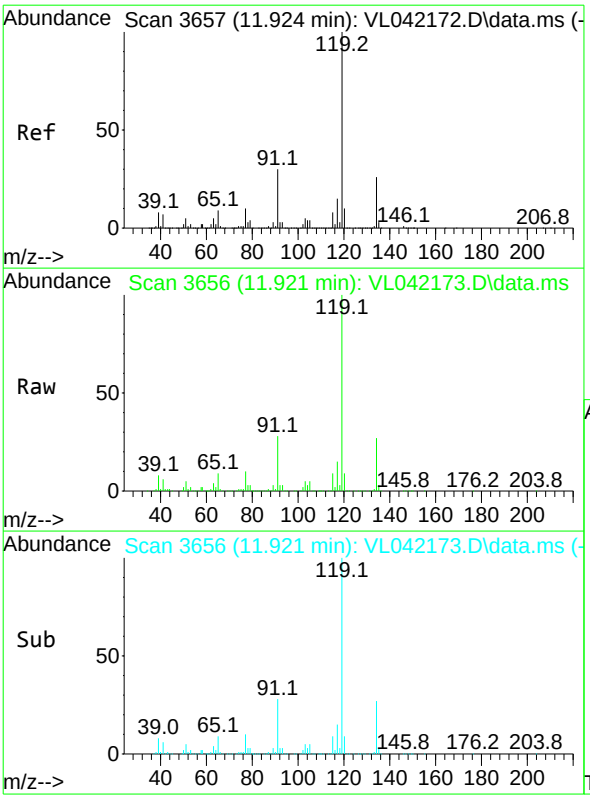


#68
1-Bromo-4-Fluorobenzene
Concen: 10.077 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 95 Resp: 417532

Ion	Ratio	Lower	Upper
95	100		
174	62.6	50.6	76.0
175	5.0	3.8	5.6

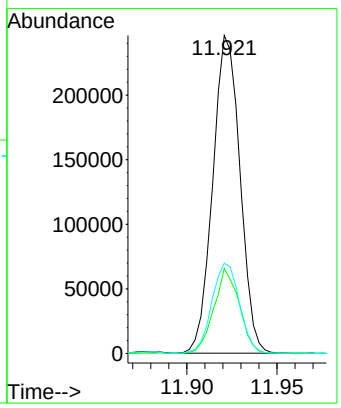




#69
p-Isopropyltoluene
Concen: 2.176 ppbv
RT: 11.921 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:119 Resp: 258357

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	29.5	23.7	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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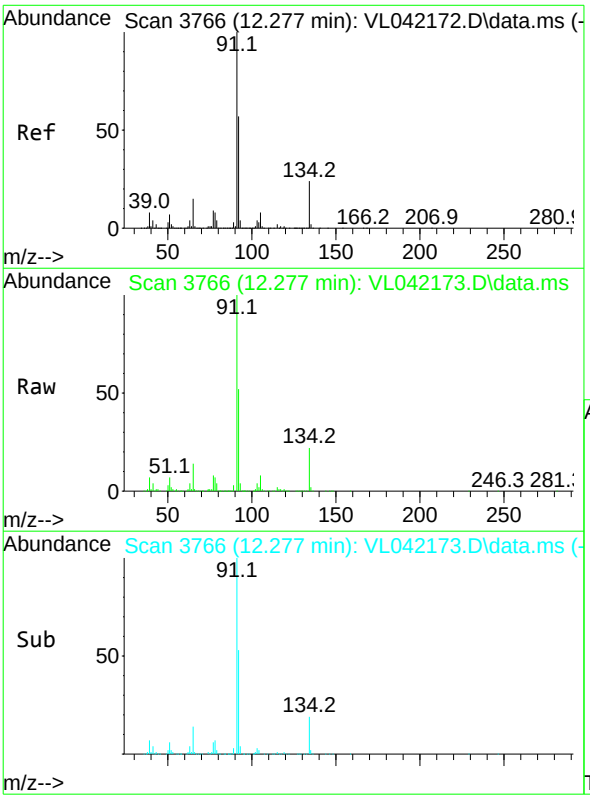
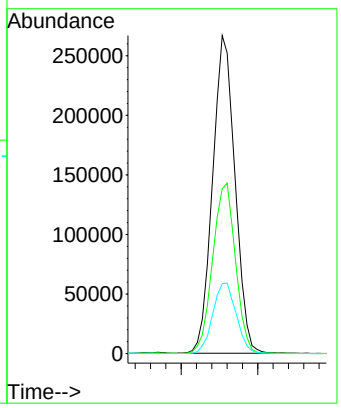
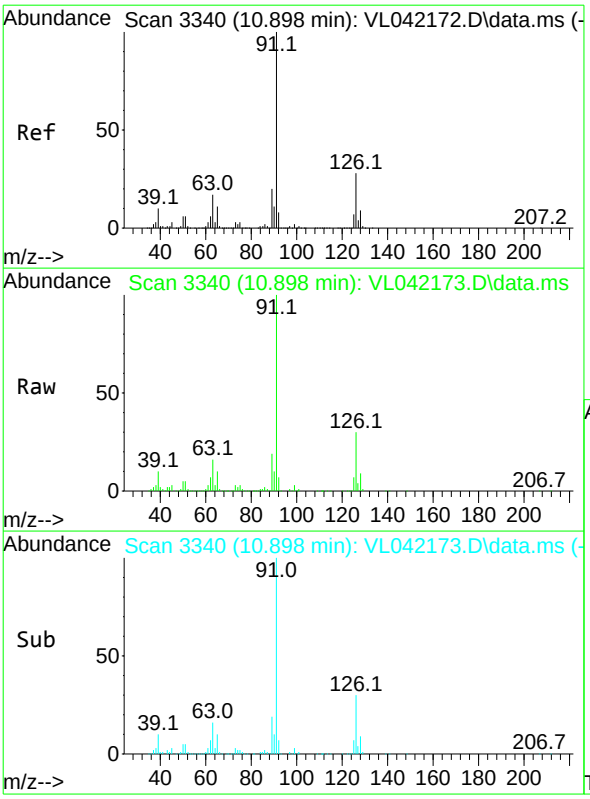


#70
n-Butylbenzene
Concen: 2.228 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 270616

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.9	67.3
134	23.3	19.2	28.8

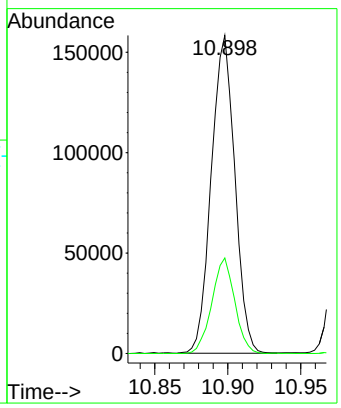




#71
2-Chlorotoluene
Concen: 2.132 ppbv
RT: 10.898 min Scan# 33
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 177487

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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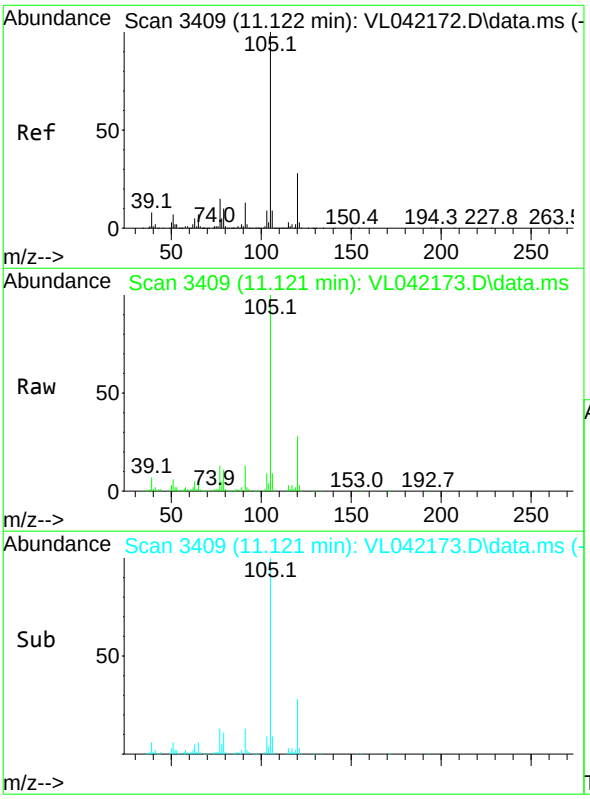
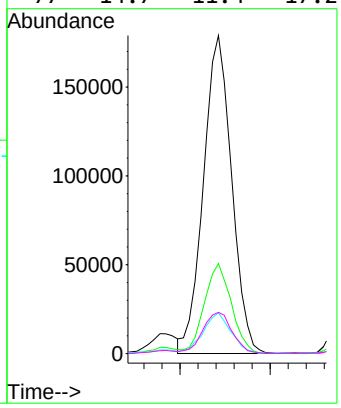
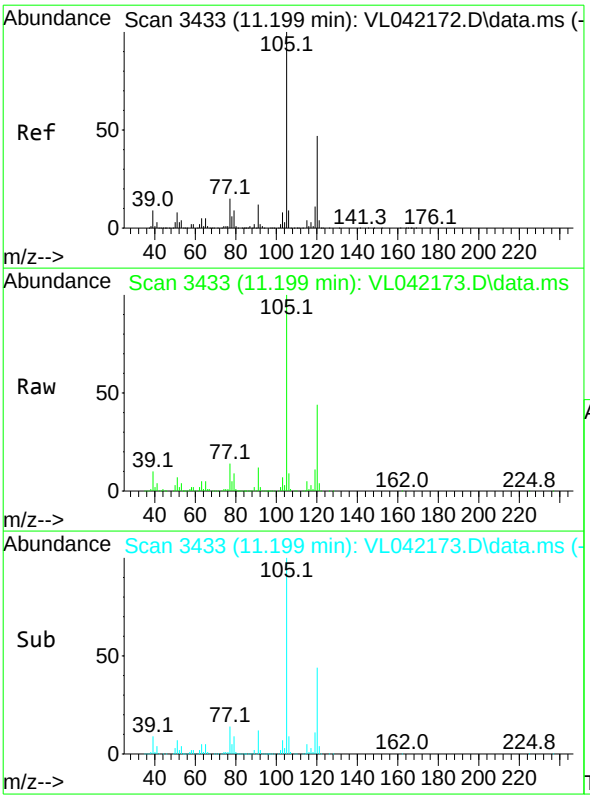


#72
4-Ethyltoluene
Concen: 2.179 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 194660

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.4	35.0
91	13.7	10.3	15.5
77	14.7	11.4	17.2





#73
1,3,5-Trimethylbenzene
Concen: 2.169 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 169221

Ion	Ratio	Lower	Upper
105	100		
120	44.0	37.4	56.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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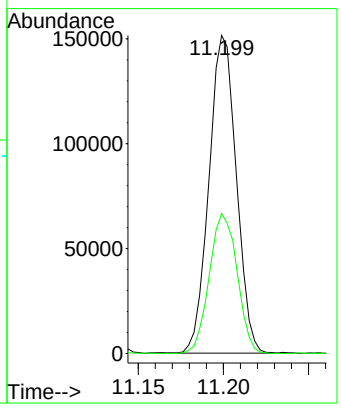
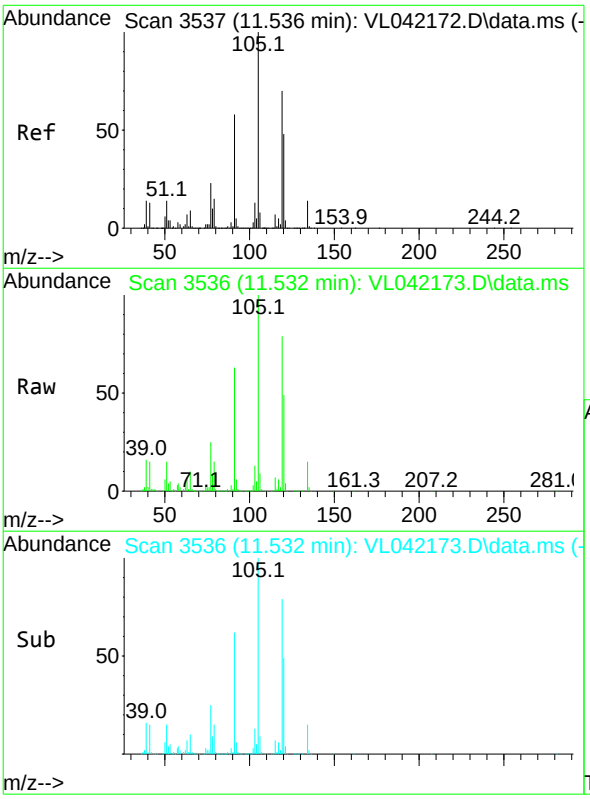
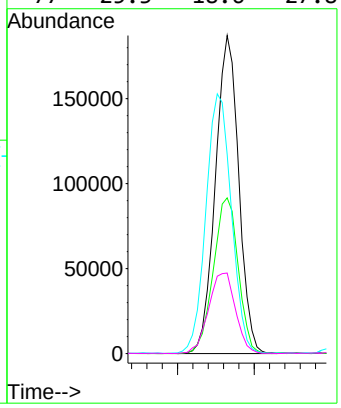


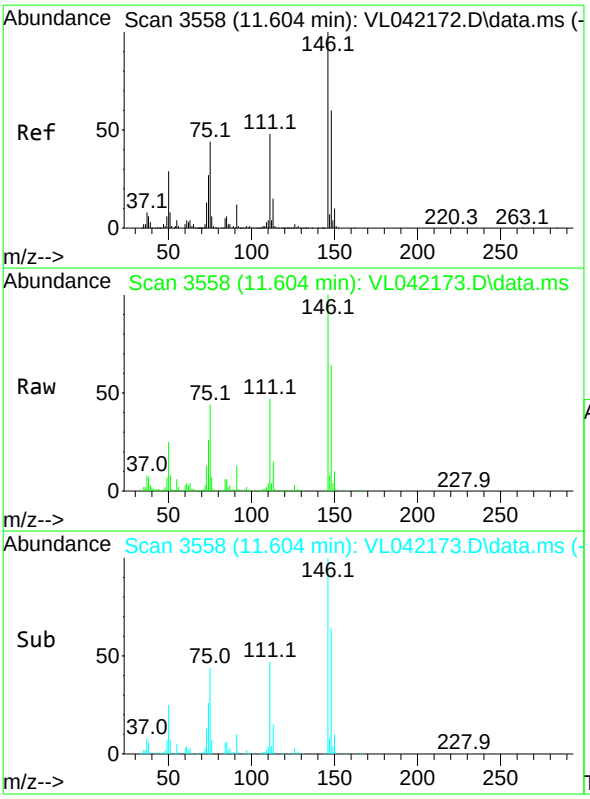


#74
1,2,4-Trimethylbenzene
Concen: 2.207 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 198351

Ion	Ratio	Lower	Upper
105	100		
120	49.0	38.6	58.0
91	62.4	46.2	69.2
77	25.3	18.6	27.8

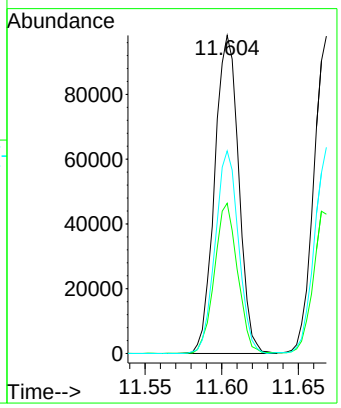




#75
1,3-Dichlorobenzene
Concen: 2.175 ppbv
RT: 11.604 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:146 Resp: 107217

Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.8	71.2
148	61.6	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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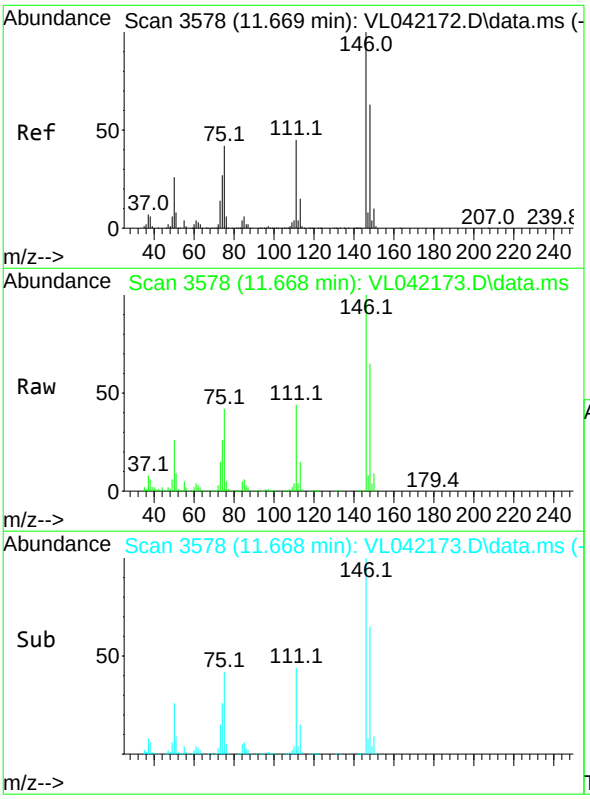
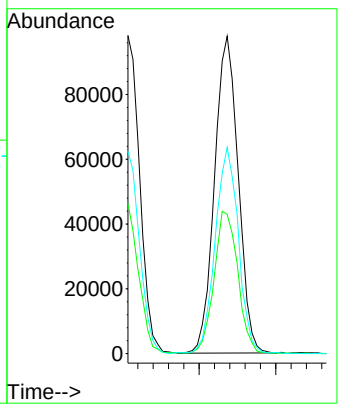
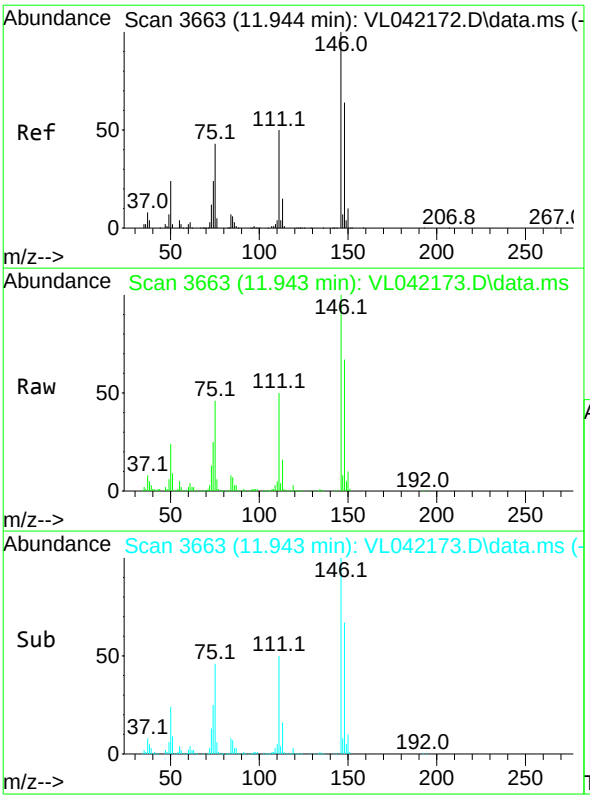


#76
1,4-Dichlorobenzene
Concen: 2.139 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:146 Resp: 104925

Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.0	69.0
148	64.0	31.9	95.7





#77
1,2-Dichlorobenzene
Concen: 2.132 ppbv
RT: 11.943 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:146 Resp: 102310

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.8	74.3
148	64.6	31.6	94.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

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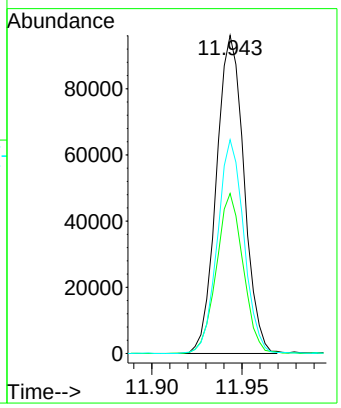
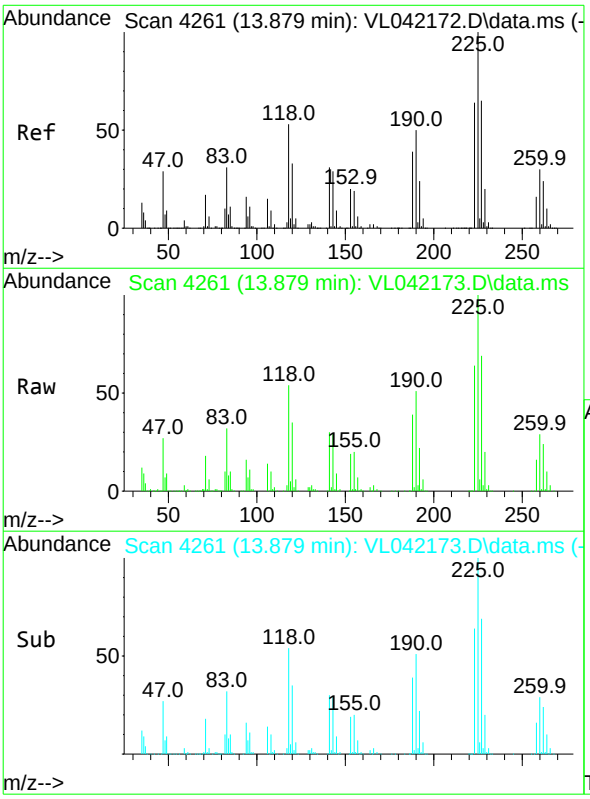
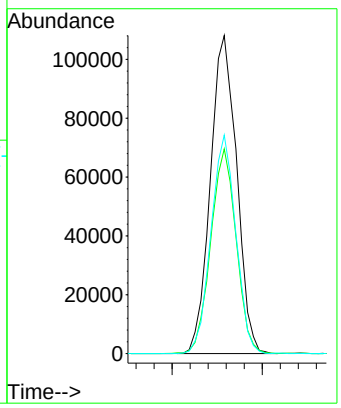


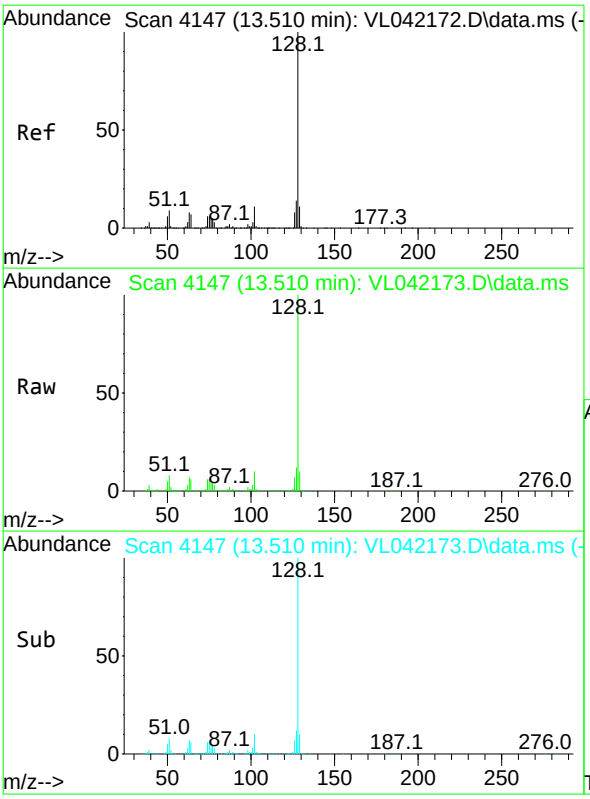


#78
Hexachloro-1,3-Butadiene
Concen: 2.242 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:225 Resp: 109539

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	76.0
227	64.9	51.2	76.8

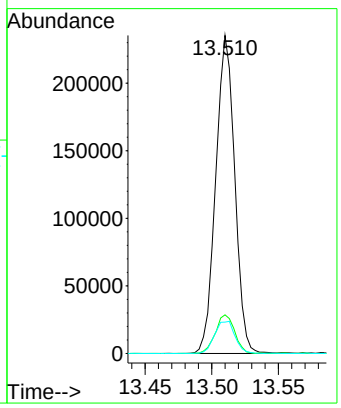




#79
Naphthalene
Concen: 2.375 ppbv
RT: 13.510 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:128 Resp: 233451

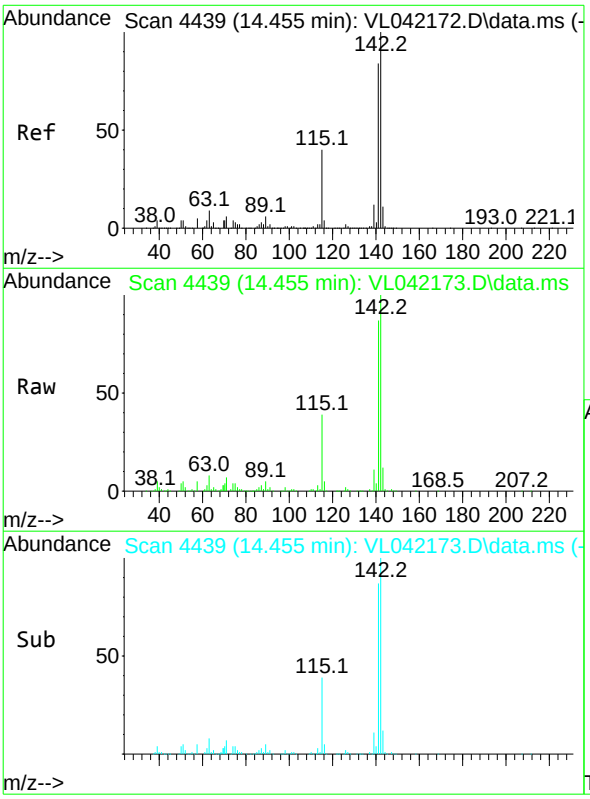
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.8	16.2
129	9.9	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

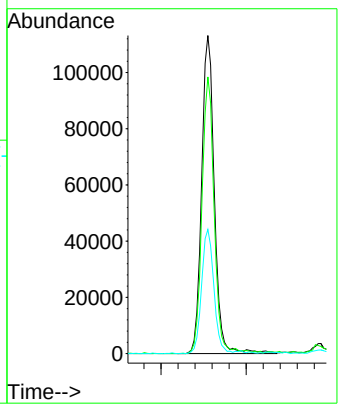
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

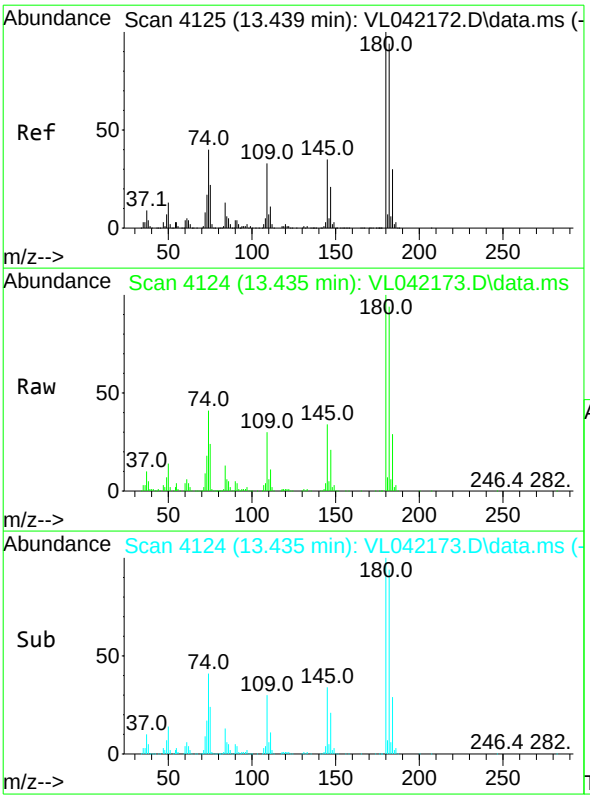


#80
Naphthalene,2-methyl-
Concen: 2.451 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:142 Resp: 117313

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.3	99.5
115	38.5	31.6	47.4

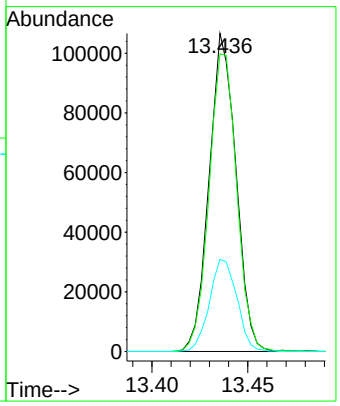




#81
1,2,4-Trichlorobenzene
Concen: 2.288 ppbv
RT: 13.435 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:180 Resp: 103765

Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.1	112.7
184	29.6	24.4	36.6



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		

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

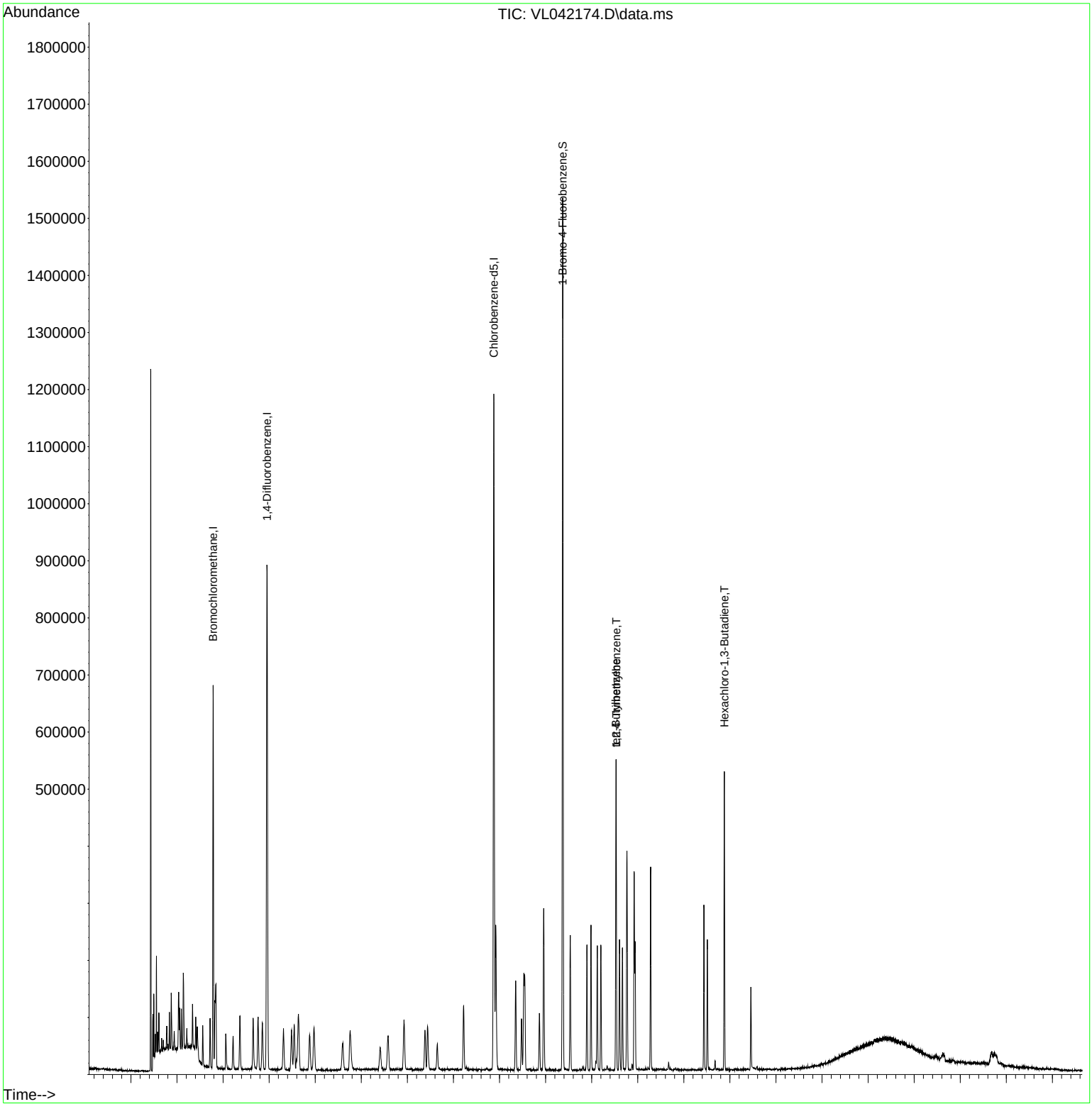
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

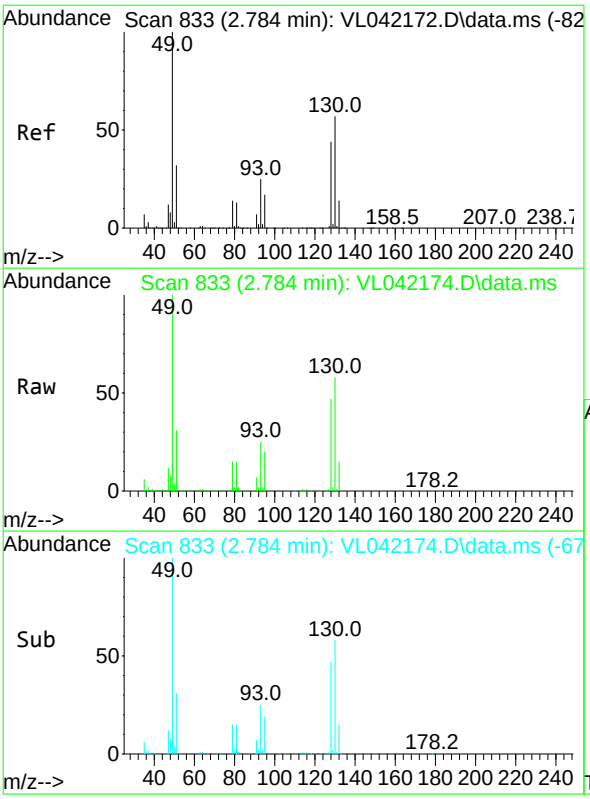
Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

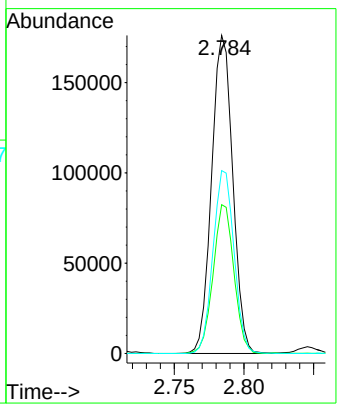




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 83
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 49 Resp: 186244

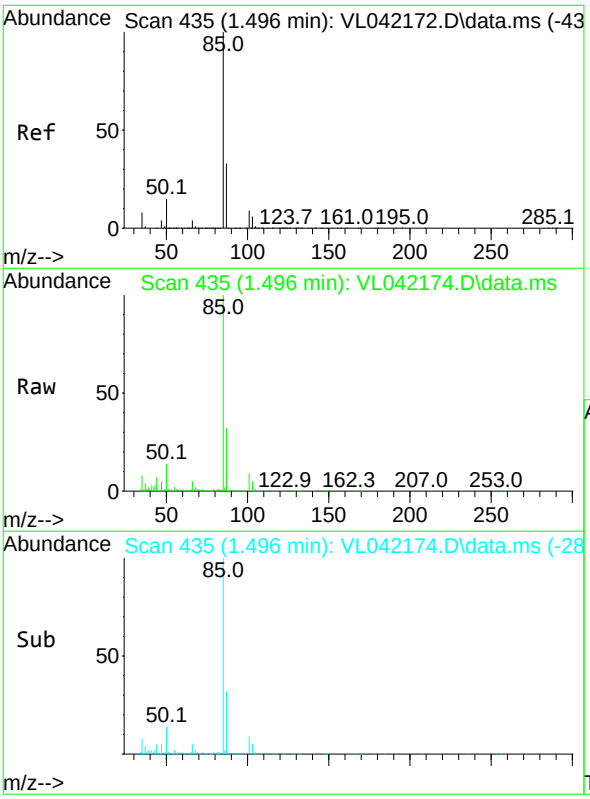
Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.9	68.5
130	57.0	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

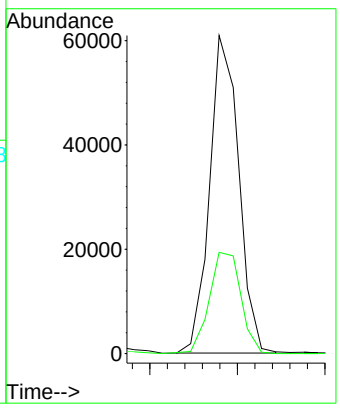
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

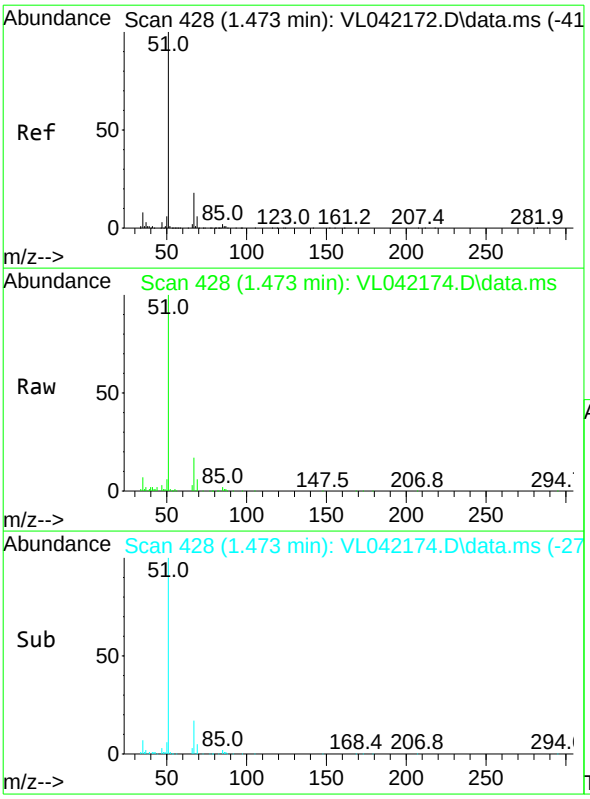


#2
Dichlorodifluoromethane
Concen: 1.026 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 85 Resp: 28203

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.1	39.1

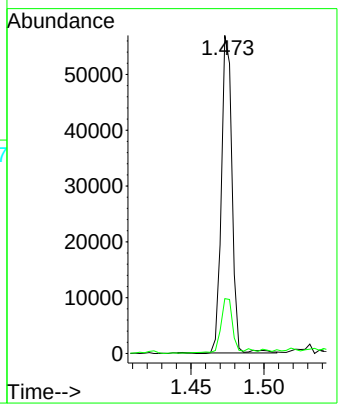




#3
Chlorodifluoromethane
Concen: 1.021 ppbv
RT: 1.473 min Scan# 42
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 51 Resp: 28693

Ion	Ratio	Lower	Upper
51	100		
67	21.5	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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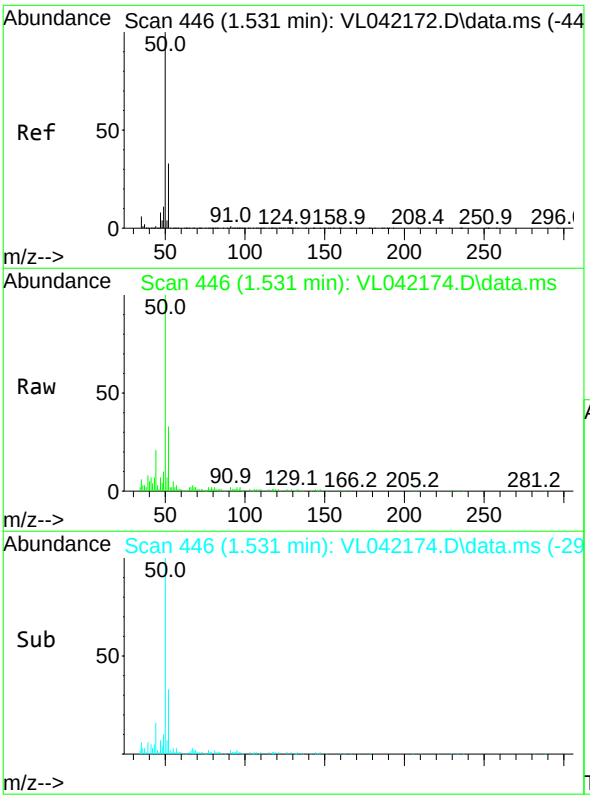
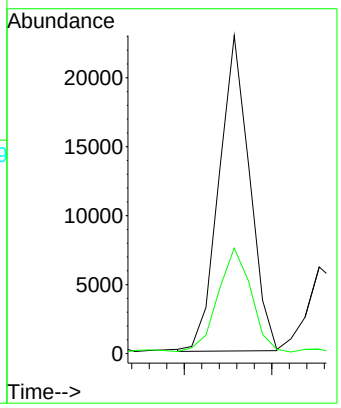
Supervised By :Mahesh Dadoda 04/03/2025

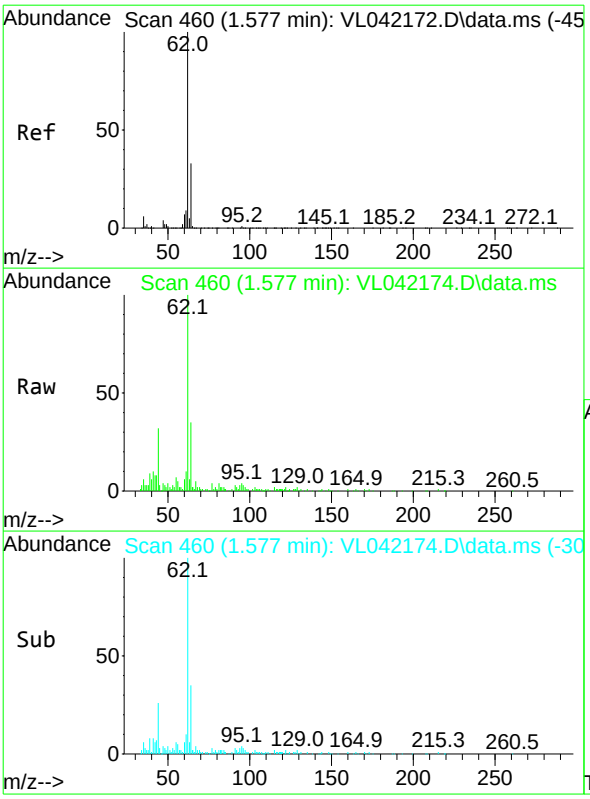


#4
Chloromethane
Concen: 0.989 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 50 Resp: 11111

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1

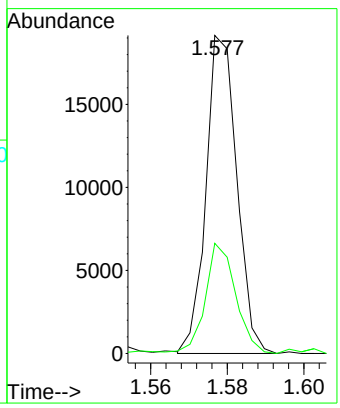




#5
Vinyl Chloride
Concen: 0.936 ppbv
RT: 1.577 min Scan# 46
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 62 Resp: 10723

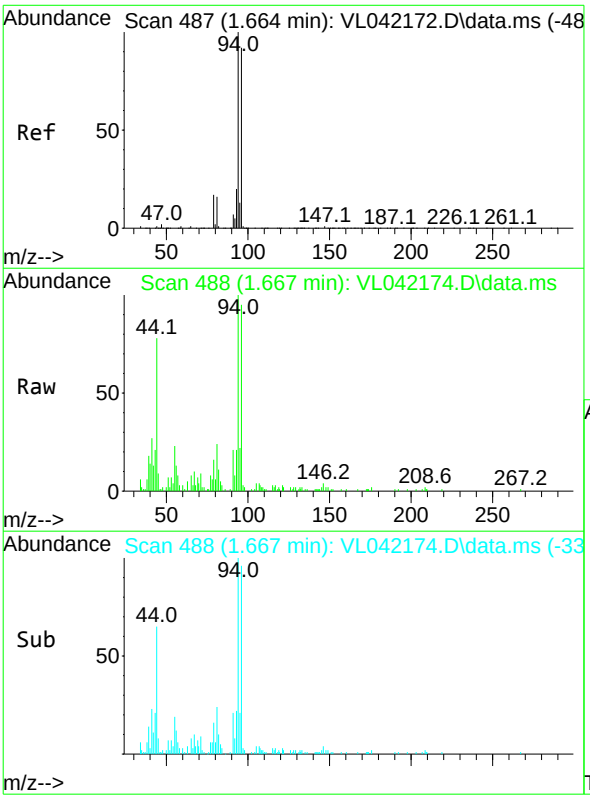
Ion	Ratio	Lower	Upper
62	100		
64	34.6	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

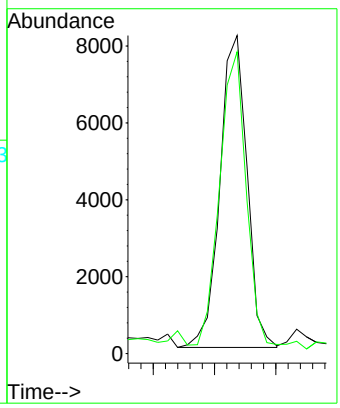
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

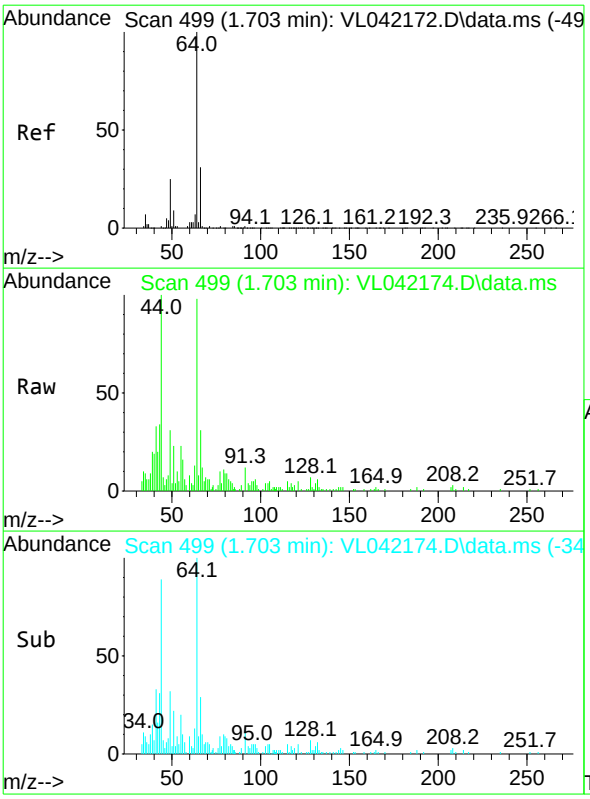


#6
Bromomethane
Concen: 0.979 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 94 Resp: 4984

Ion	Ratio	Lower	Upper
94	100		
96	93.8	73.1	109.7

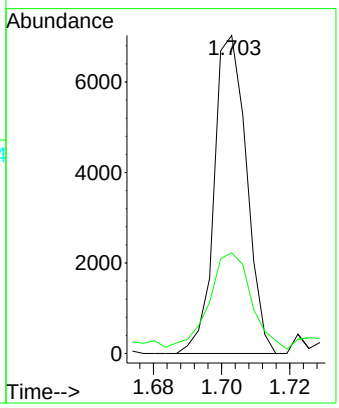




#7
Chloroethane
Concen: 1.025 ppbv
RT: 1.703 min Scan# 49
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 64 Resp: 4622

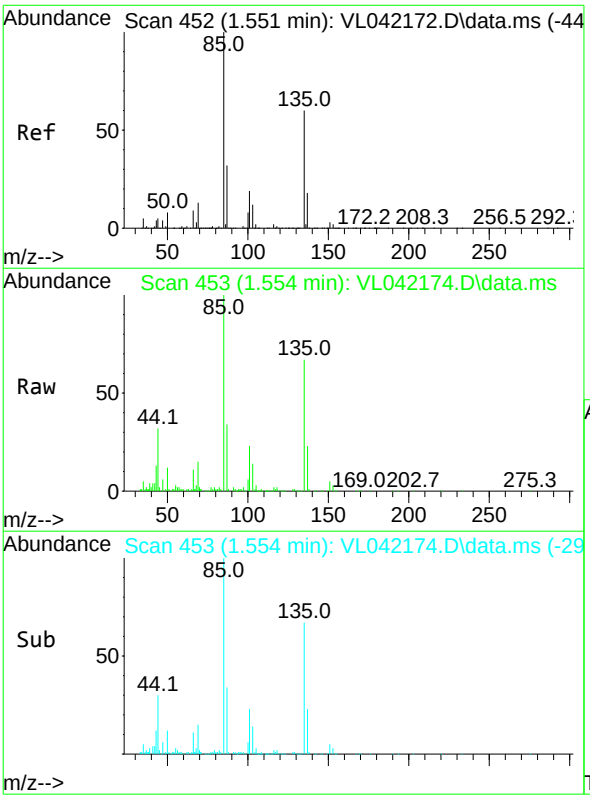
Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

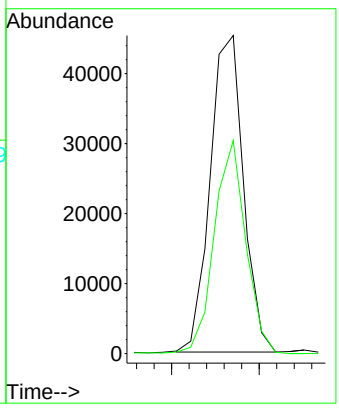
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

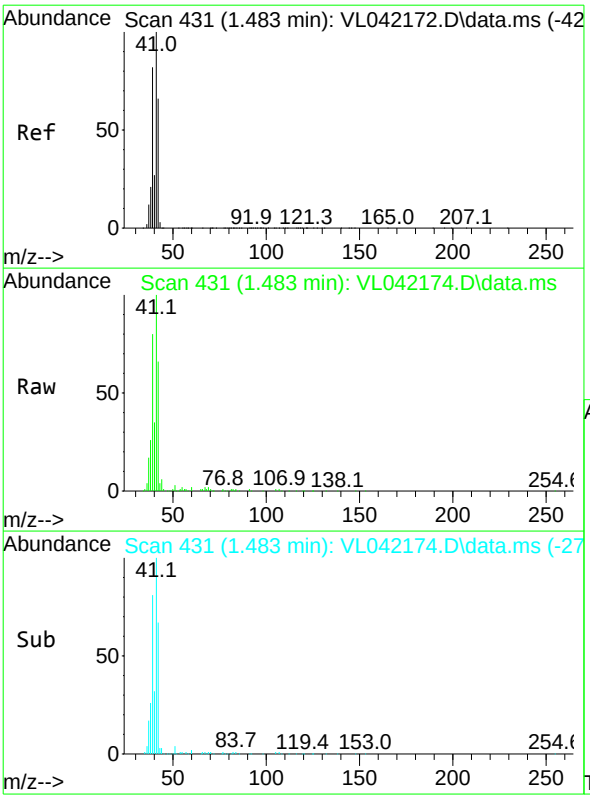


#8
Dichlorotetrafluoroethane
Concen: 1.020 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 85 Resp: 23886

Ion	Ratio	Lower	Upper
85	100		
135	64.2	52.4	78.6





#9
Propene
Concen: 1.082 ppbv m
RT: 1.483 min Scan# 43
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 41 Resp: 13699

Ion	Ratio	Lower	Upper
41	100		
42	7.5	55.4	83.2#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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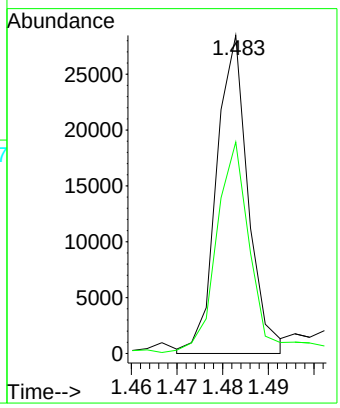
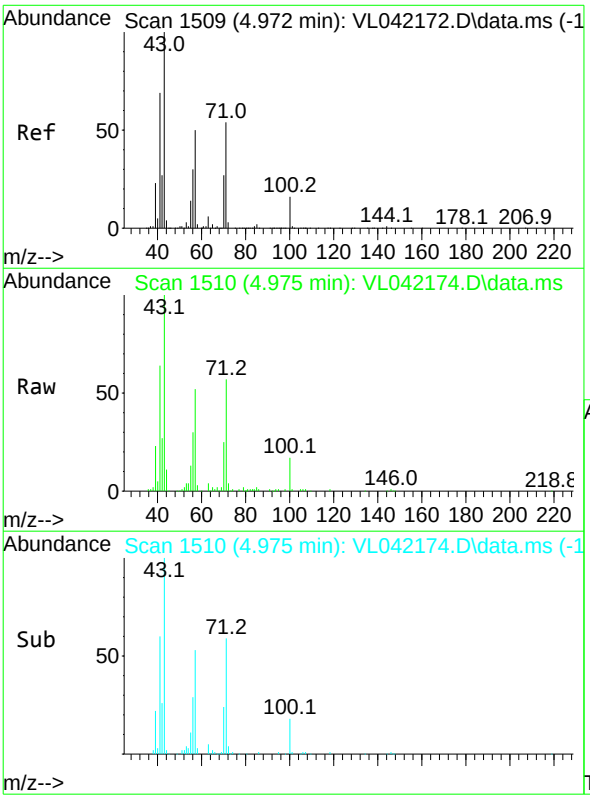
Supervised By :Mahesh Dadoda 04/03/2025

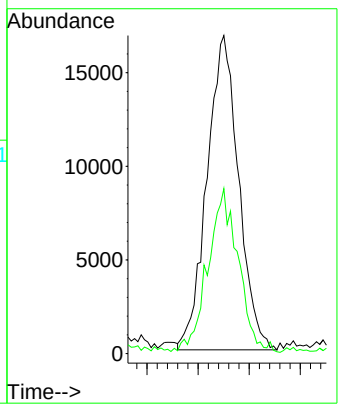


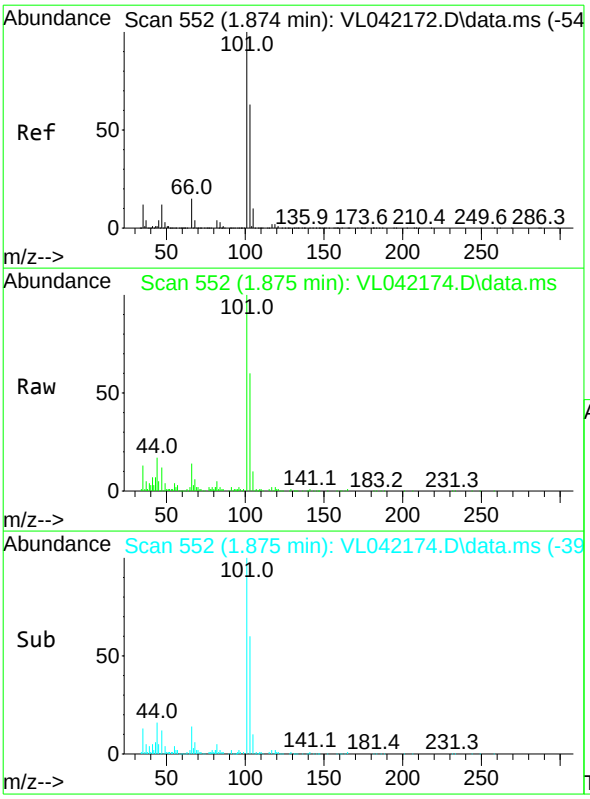


#10
Heptane
Concen: 1.055 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 36132

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.4	59.2

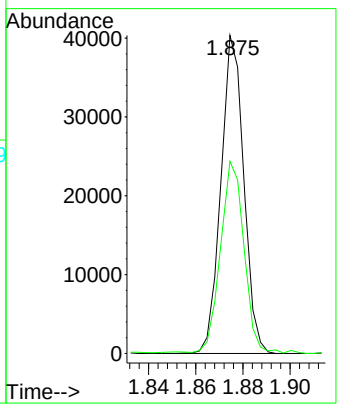




#11
Trichlorofluoromethane
Concen: 1.014 ppbv
RT: 1.875 min Scan# 55
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:101 Resp: 27136

Ion	Ratio	Lower	Upper
101	100		
103	59.9	50.2	75.2



Instrument :
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ClientSampleId :
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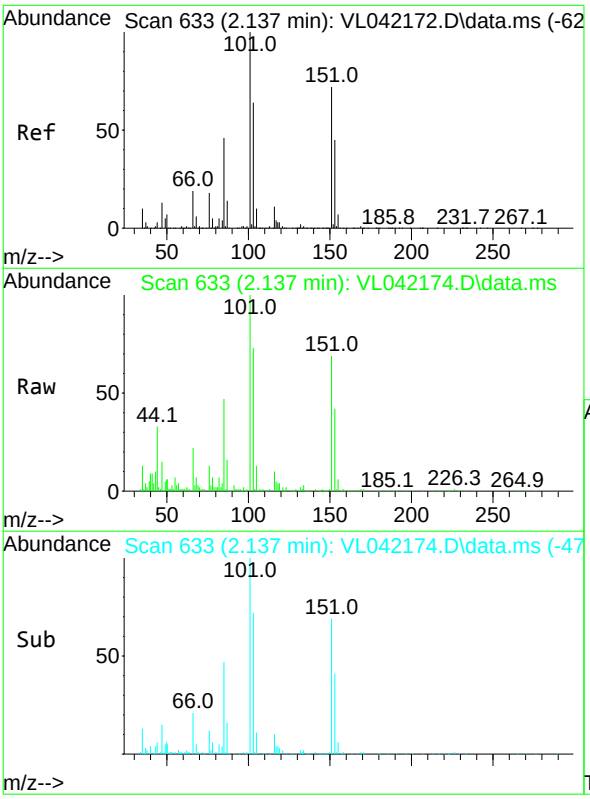
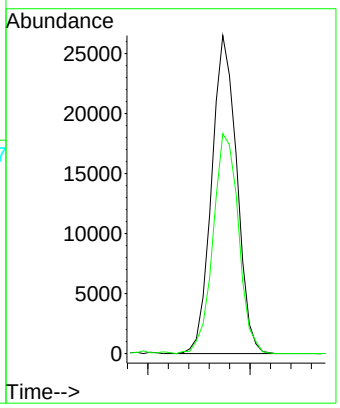
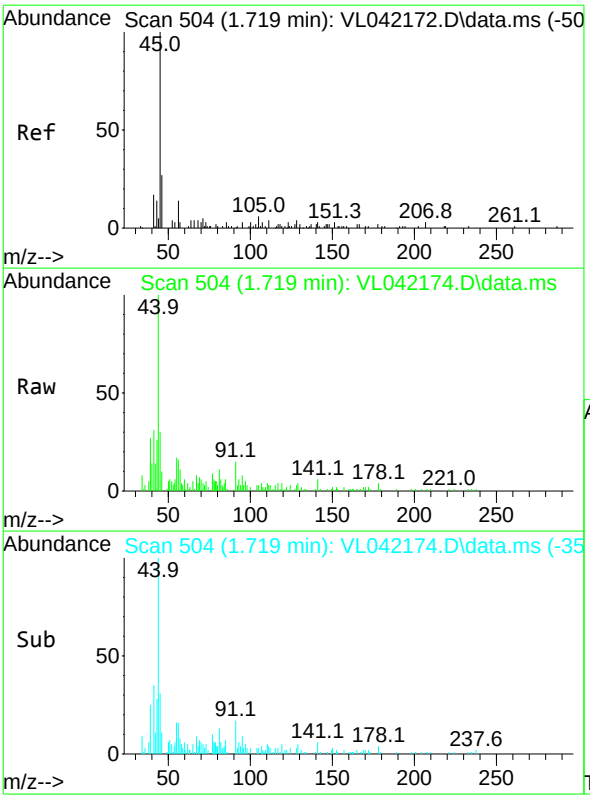


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.029 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:101 Resp: 22629

Ion	Ratio	Lower	Upper
101	100		
151	70.3	57.1	85.7

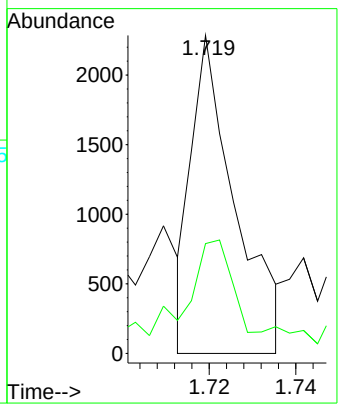




#13
Ethanol
Concen: 1.624 ppbv m
RT: 1.719 min Scan# 50
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 45 Resp: 1610

Ion	Ratio	Lower	Upper
45	100		
46	73.4	20.2	80.8



Instrument :
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ClientSampleId :
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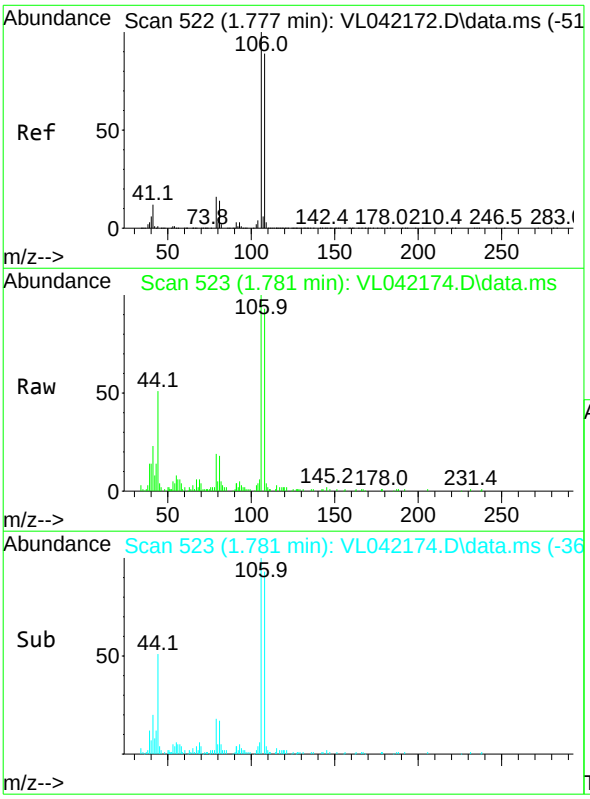
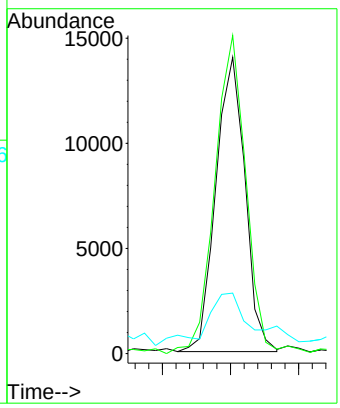
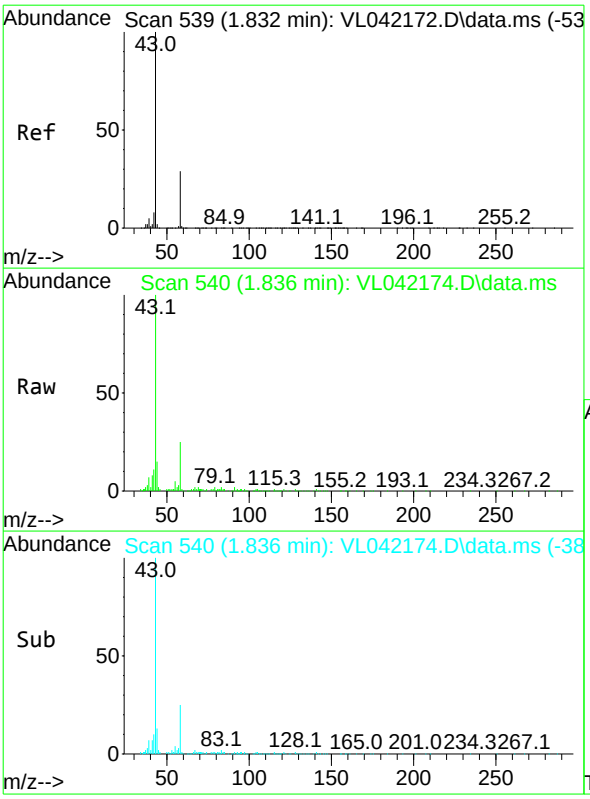


#14
Bromoethene
Concen: 0.989 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:108 Resp: 8330

Ion	Ratio	Lower	Upper
108	100		
106	115.2	86.8	130.2
79	57.0	15.0	22.6#

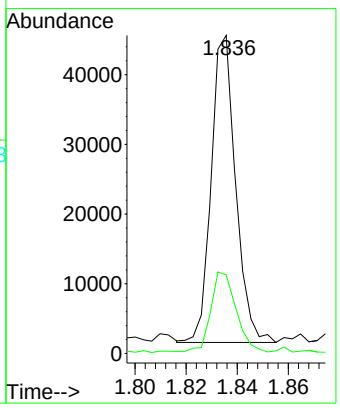




#15
Acetone
Concen: 1.125 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 29294

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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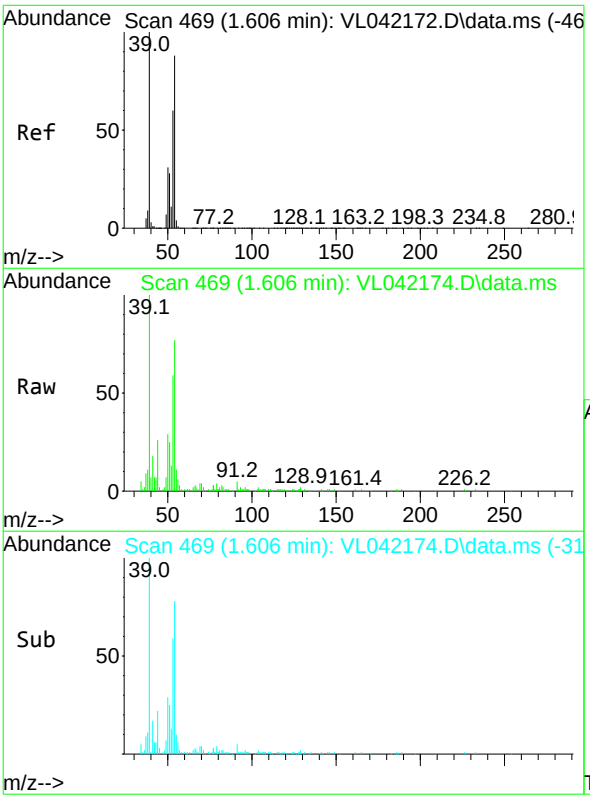
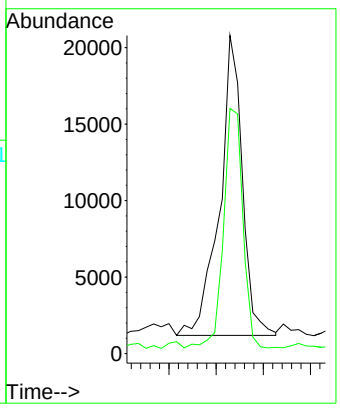
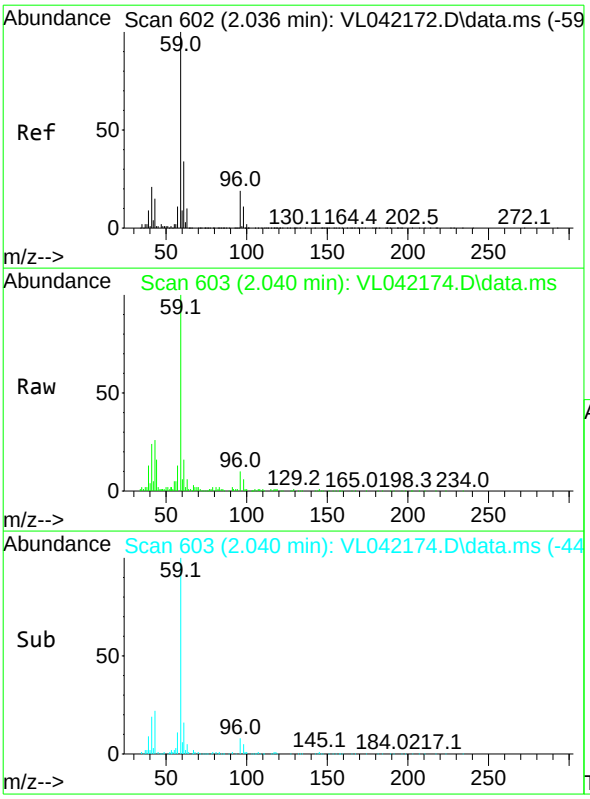


#16
1,3-Butadiene
Concen: 1.121 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 39 Resp: 13133

Ion	Ratio	Lower	Upper
39	100		
54	73.5	60.7	91.1

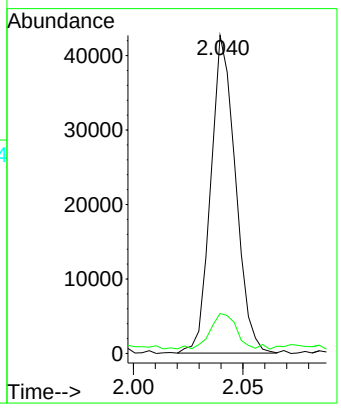




#17
tert-Butyl alcohol
Concen: 1.033 ppbv
RT: 2.040 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 59 Resp: 33500

Ion	Ratio	Lower	Upper
59	100		
57	12.3	8.9	13.3



Instrument :
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ClientSampleId :
VSTDICC001

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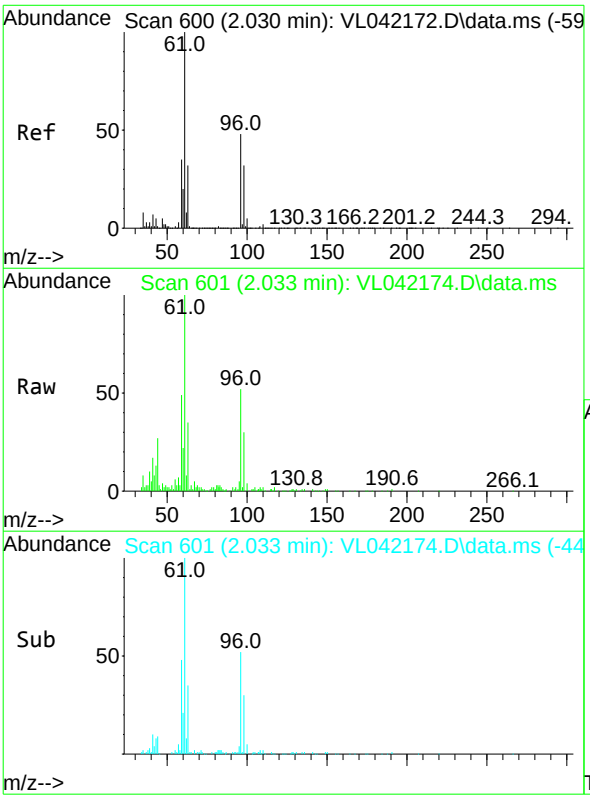
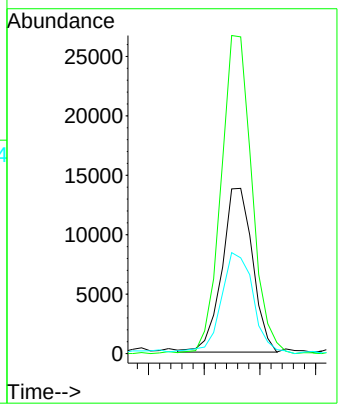
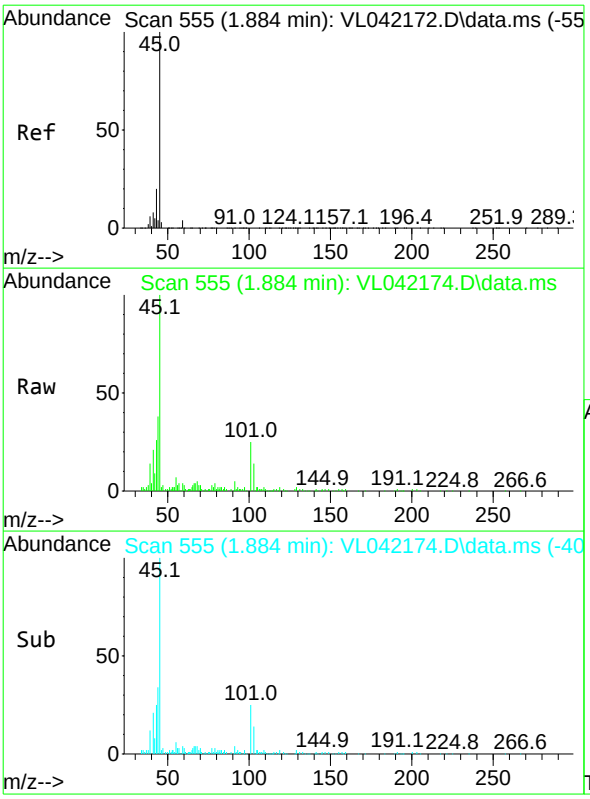


#18
1,1-Dichloroethene
Concen: 1.024 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 96 Resp: 10532

Ion	Ratio	Lower	Upper
96	100		
61	192.9	167.6	251.4
98	56.7	53.5	80.3

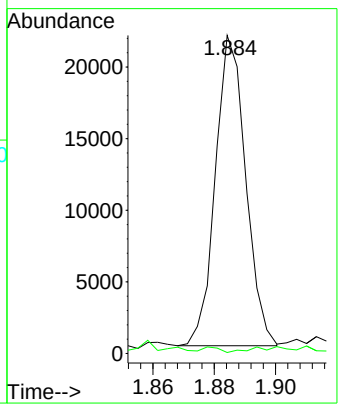




#19
Isopropyl Alcohol
Concen: 1.014 ppbv
RT: 1.884 min Scan# 55
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 45 Resp: 14903

Ion	Ratio	Lower	Upper
45	100		
58	4.9	36.9	55.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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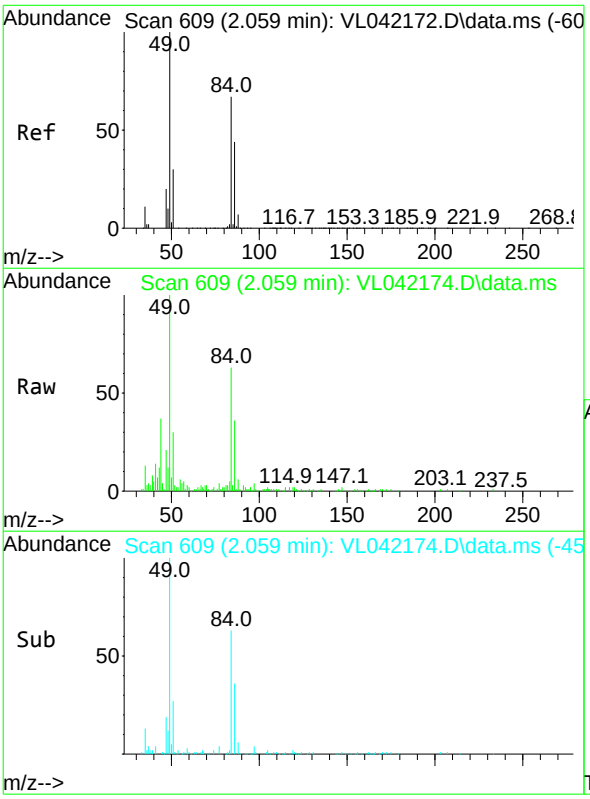
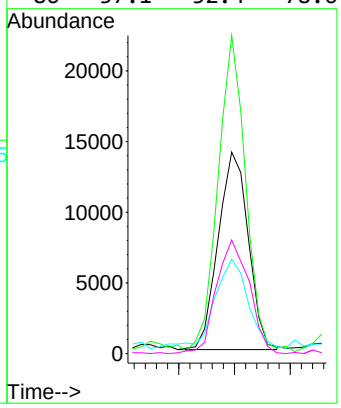
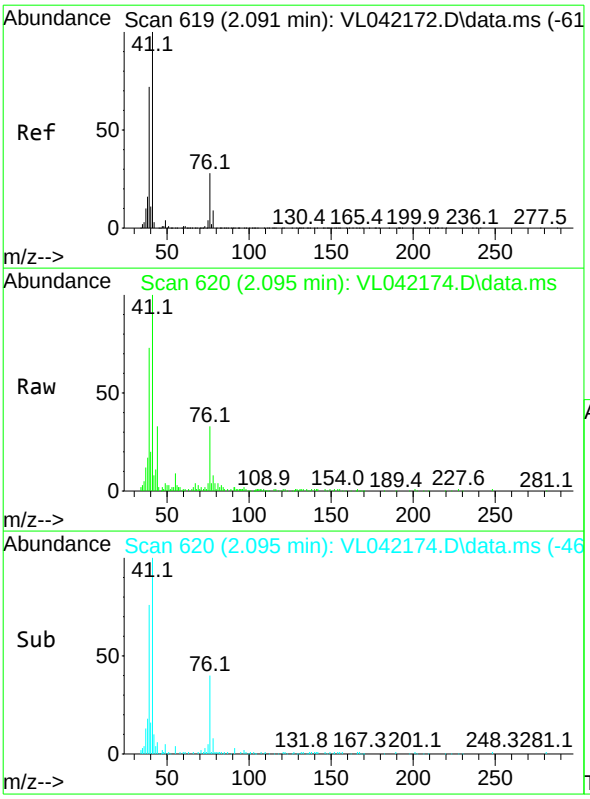


#20
Methylene Chloride
Concen: 1.080 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 84 Resp: 10481

Ion	Ratio	Lower	Upper
84	100		
49	158.3	120.2	180.4
51	44.3	37.4	56.0
86	57.1	52.4	78.6

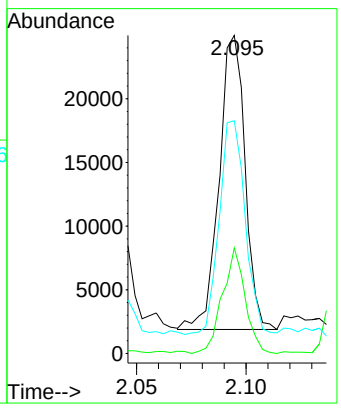




#21
Allyl Chloride
Concen: 1.036 ppbv
RT: 2.095 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 41 Resp: 19039

Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.1	36.1
39	77.8	61.1	91.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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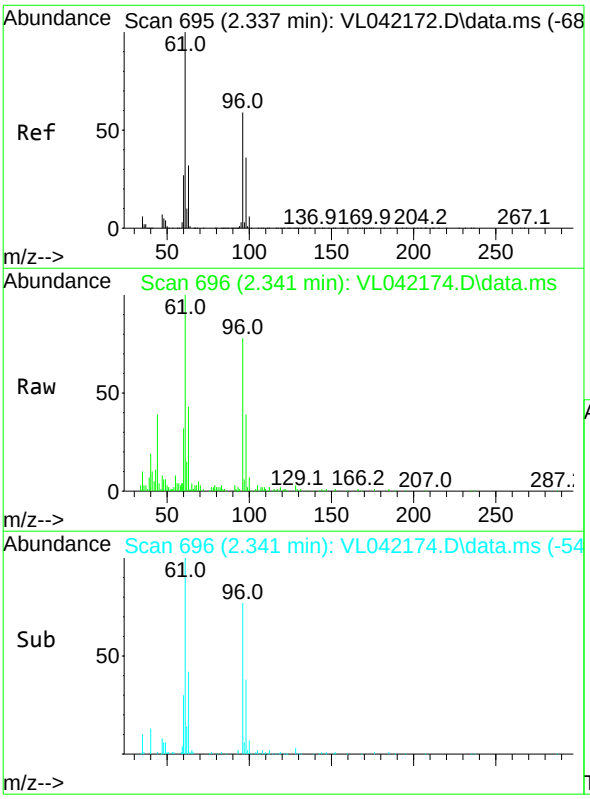
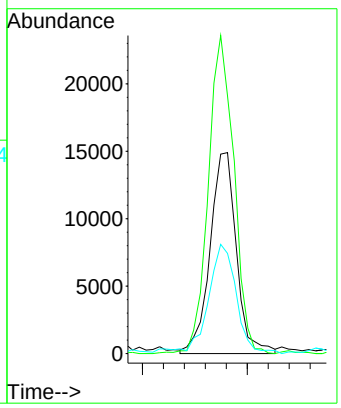
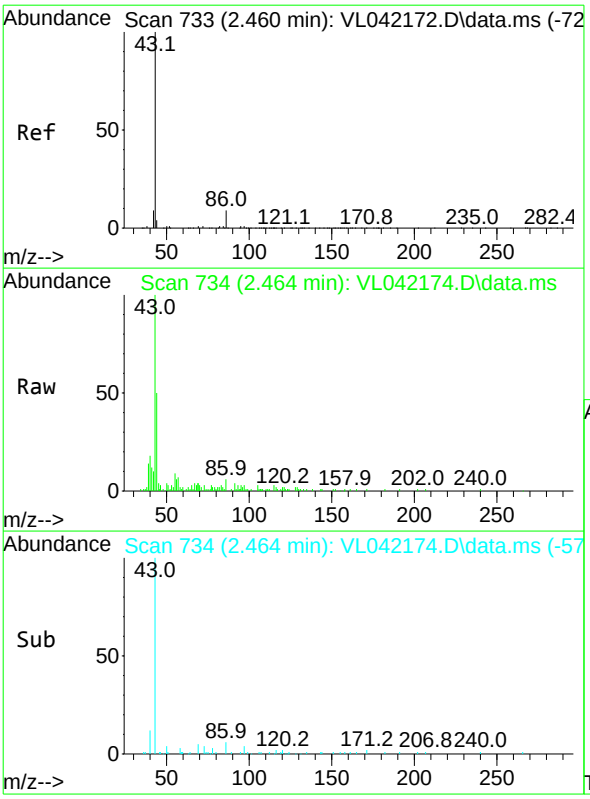


#22
trans-1,2-Dichloroethene
Concen: 1.086 ppbv m
RT: 2.341 min Scan# 696
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 96 Resp: 13051

Ion	Ratio	Lower	Upper
96	100		
61	128.3	136.6	204.8#
98	49.9	49.4	74.2

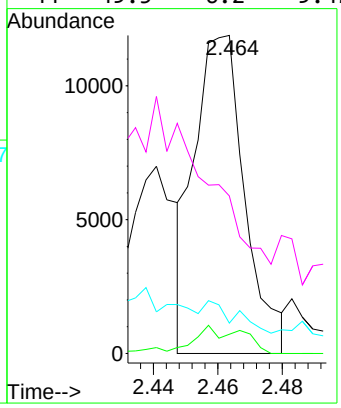




#23
Vinyl Acetate
Concen: 1.190 ppbv m
RT: 2.464 min Scan# 73
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 12883

Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.5	8.3
42	9.5	8.6	13.0
44	49.5	6.2	9.4#



Instrument :
MSVOA_L
ClientSampleId :
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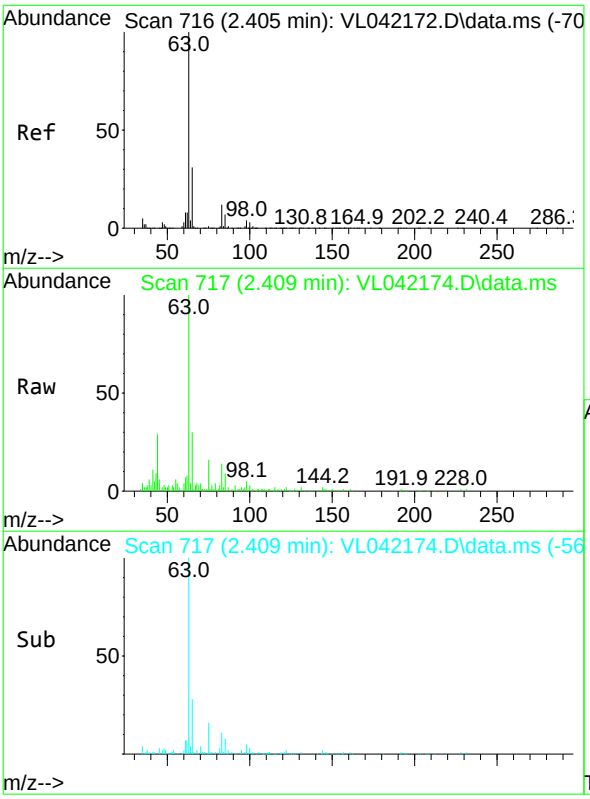
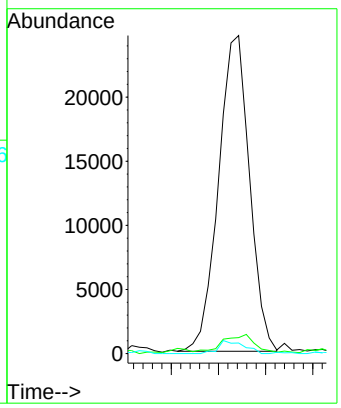
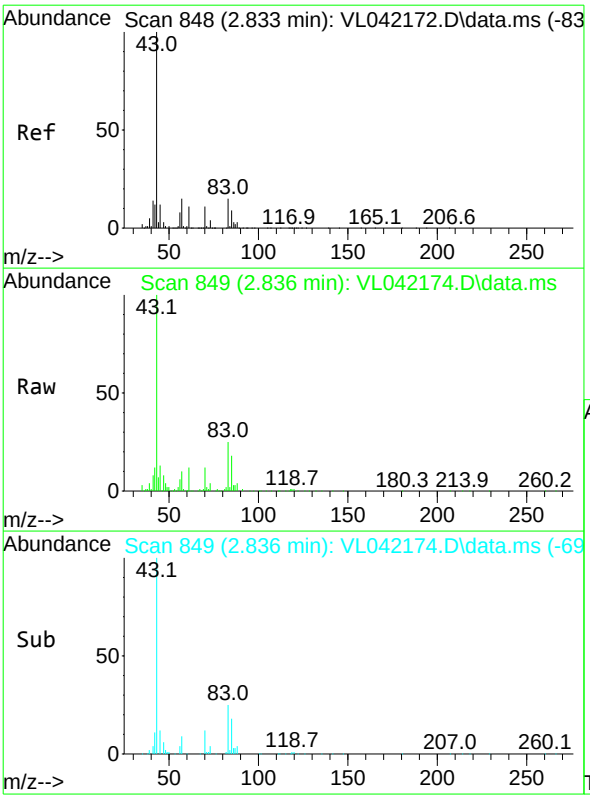


#24
1,1-Dichloroethane
Concen: 1.022 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 63 Resp: 22505

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.4	1.6	4.7

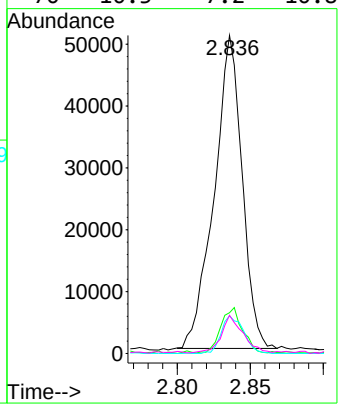




#25
Ethyl Acetate
Concen: 0.997 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 67402

Ion	Ratio	Lower	Upper
43	100		
45	12.3	8.2	12.2#
61	9.6	7.3	10.9
70	10.3	7.2	10.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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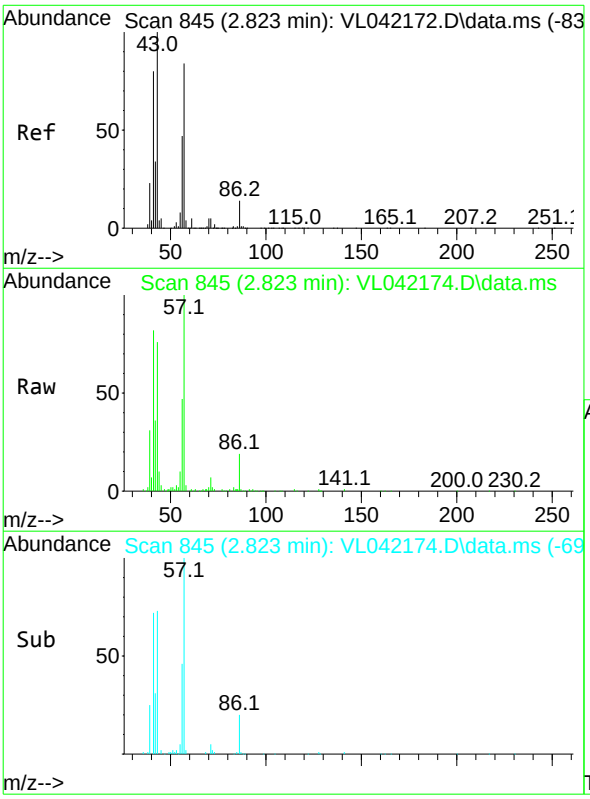
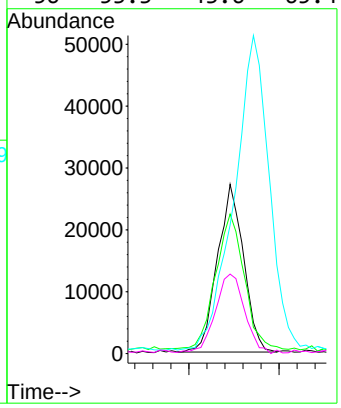
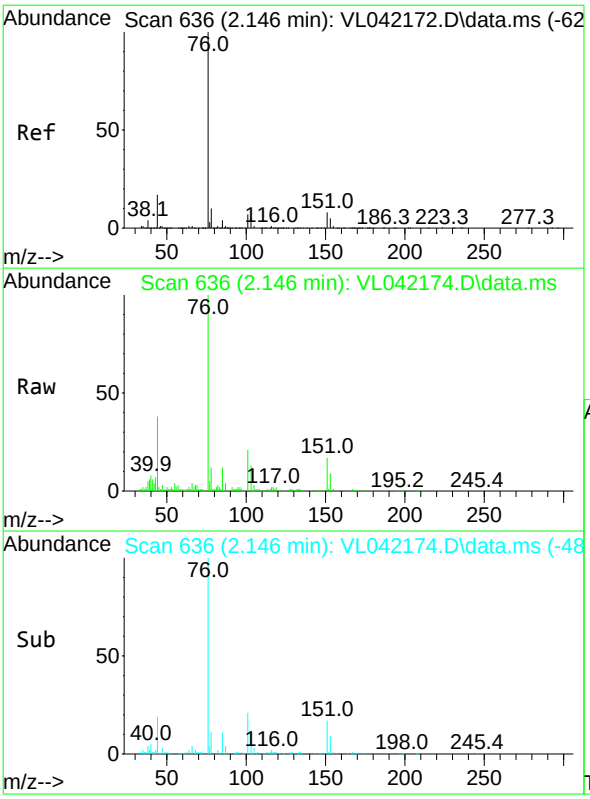


#26
Hexane
Concen: 1.043 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57 Resp: 27223

Ion	Ratio	Lower	Upper
57	100		
41	93.5	76.6	114.8
43	256.9	207.8	311.8
56	53.3	43.6	65.4





#27
Carbon Disulfide
Concen: 1.006 ppbv
RT: 2.146 min Scan# 63
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 76 Resp: 28167

Ion	Ratio	Lower	Upper
76	100		
44	54.6	14.7	22.1#
78	15.0	9.3	13.9#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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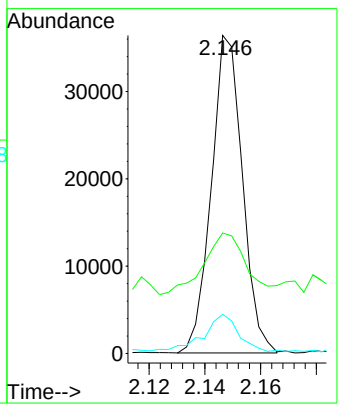
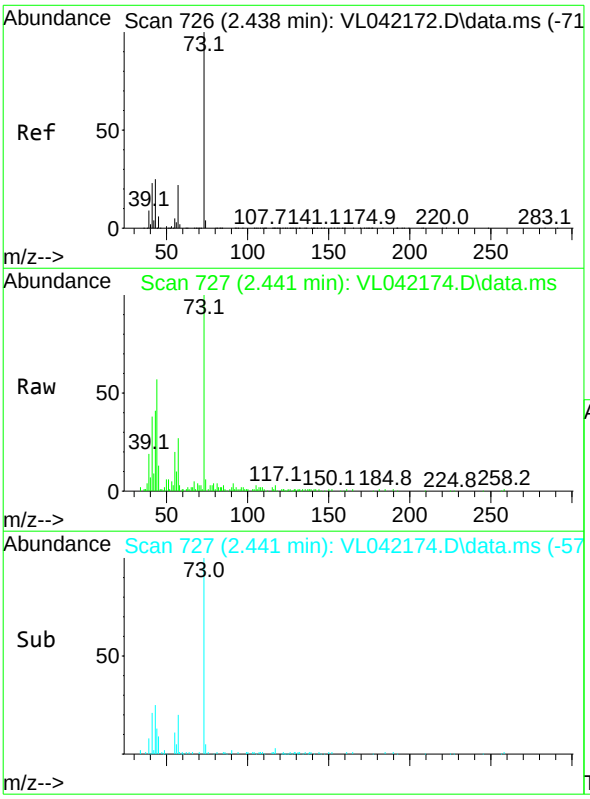
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

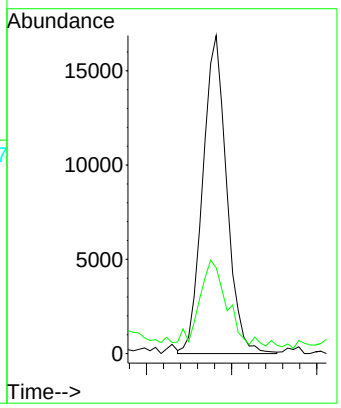


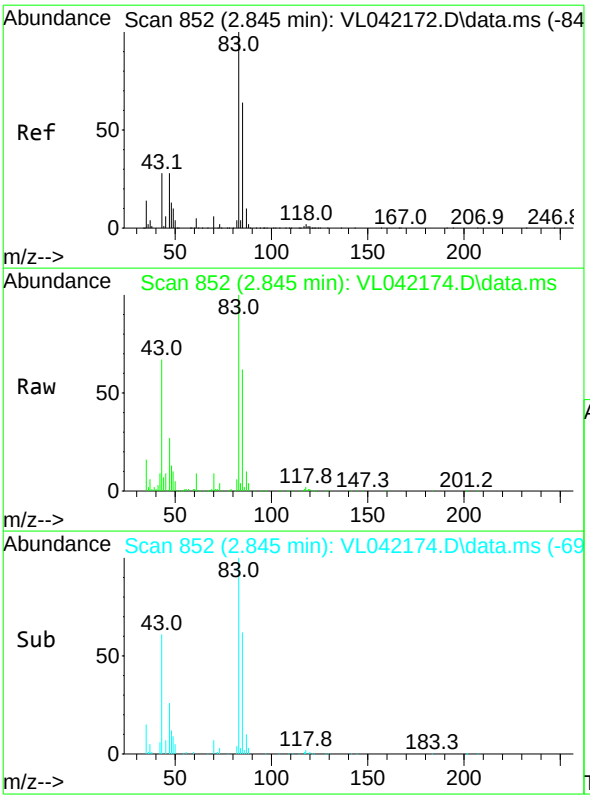


#28
Methyl tert-Butyl Ether
Concen: 1.015 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 73 Resp: 16501

Ion	Ratio	Lower	Upper
73	100		
57	28.0	20.5	30.7





#29
Chloroform
Concen: 1.008 ppbv
RT: 2.845 min Scan# 85
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 83 Resp: 38516

Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
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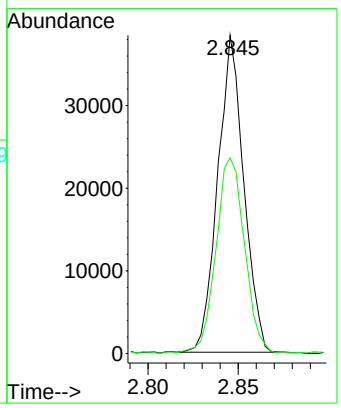
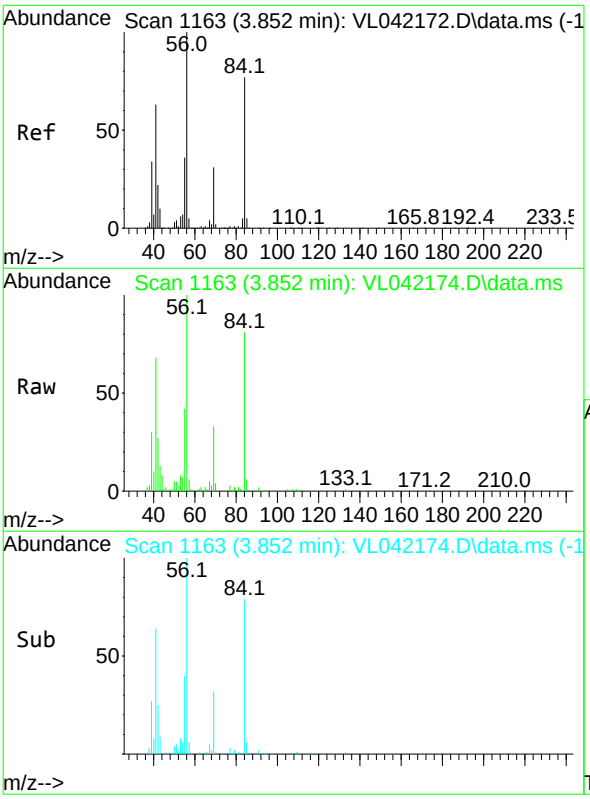
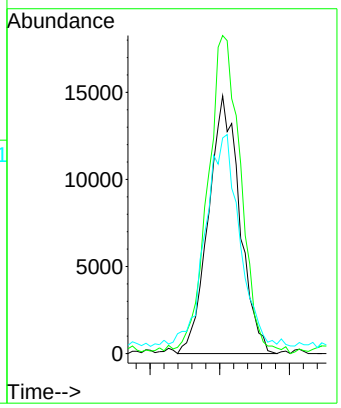


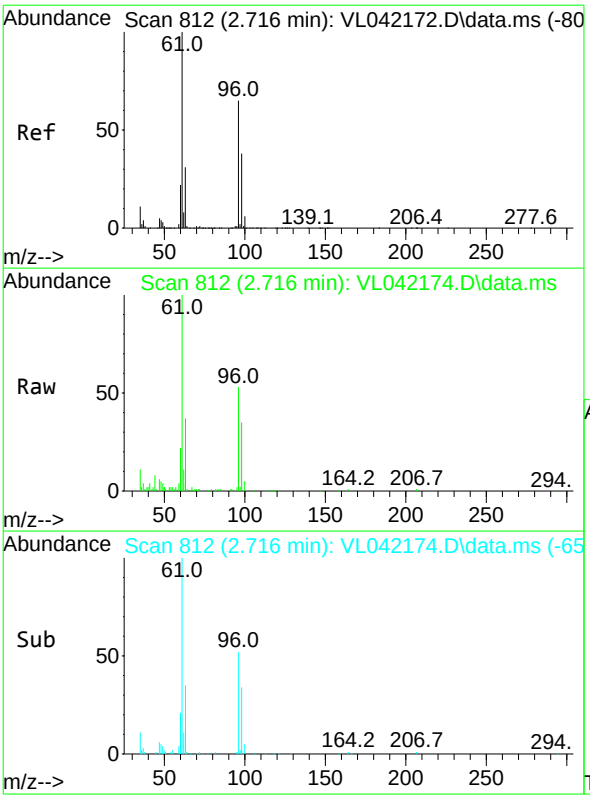


#30
Cyclohexane
Concen: 1.016 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 84 Resp: 23052

Ion	Ratio	Lower	Upper
84	100		
56	128.9	102.8	154.2
41	89.3	66.5	99.7





#31
cis-1,2-Dichloroethene
Concen: 1.026 ppbv
RT: 2.716 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 61 Resp: 27187

Ion	Ratio	Lower	Upper
61	100		
96	53.3	51.8	77.8
98	34.8	30.6	46.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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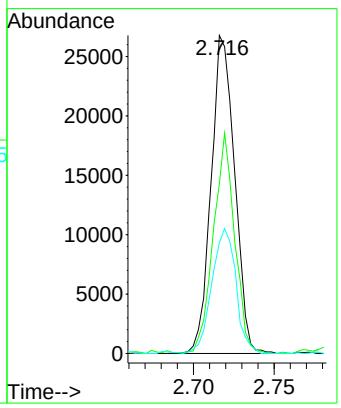
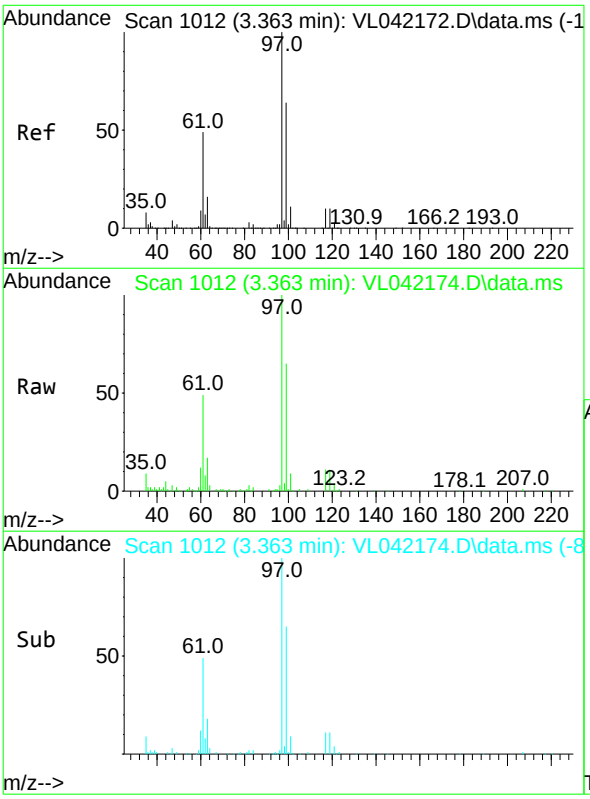
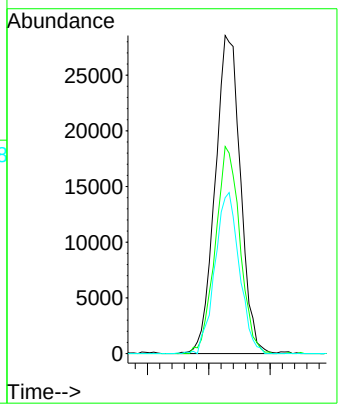


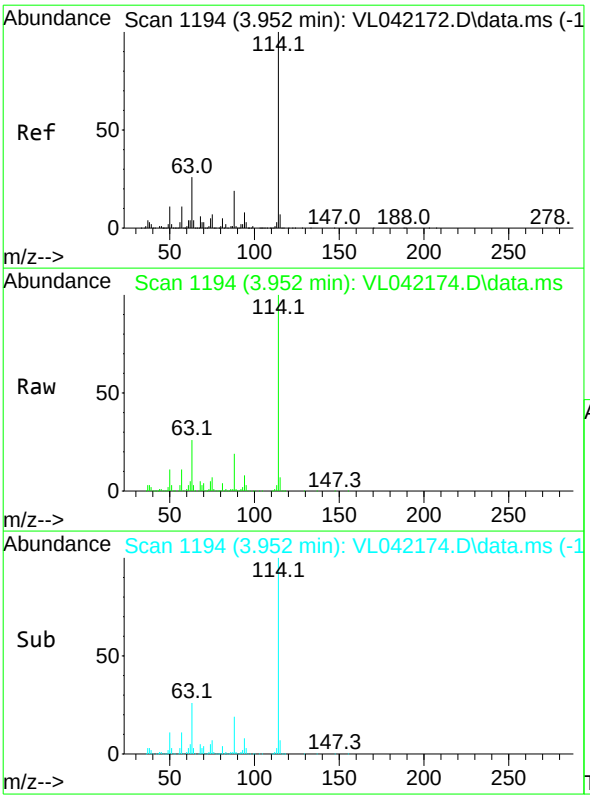


#32
1,1,1-Trichloroethane
Concen: 0.938 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 97 Resp: 40993

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	48.8	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:114 Resp: 537244

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	18.8	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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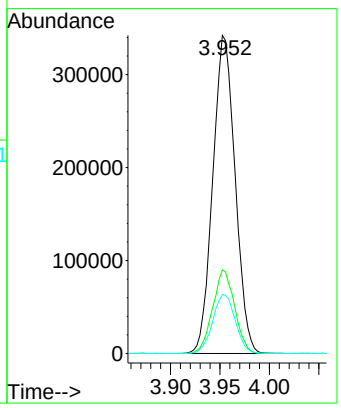
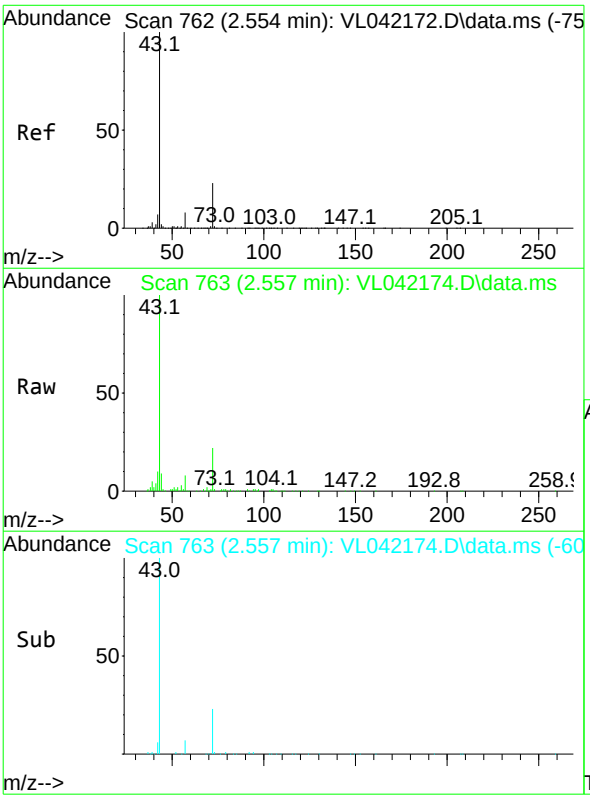
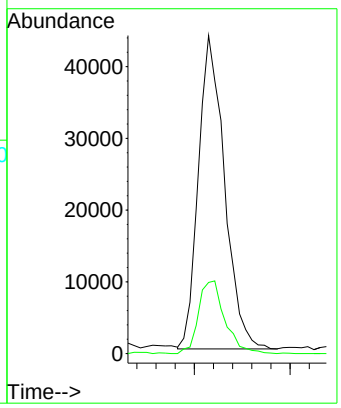


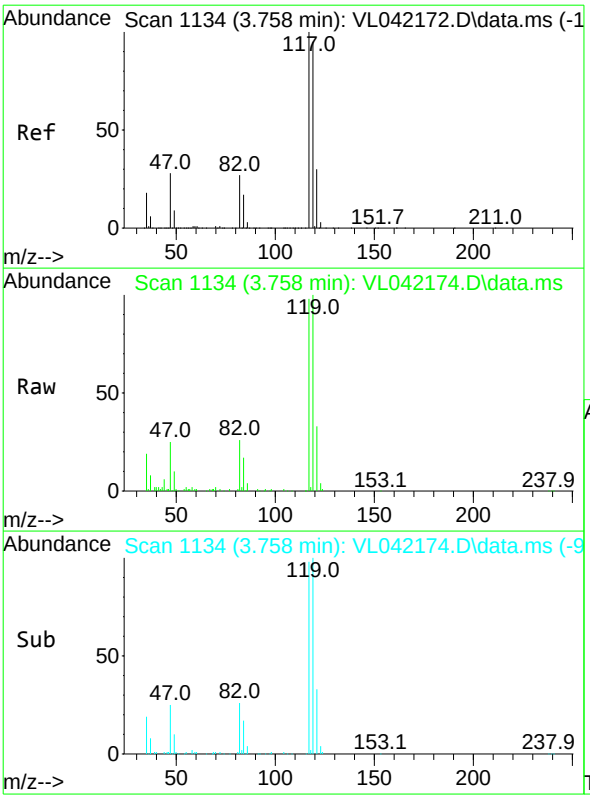


#34
2-Butanone
Concen: 1.063 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 41423

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.2	27.2

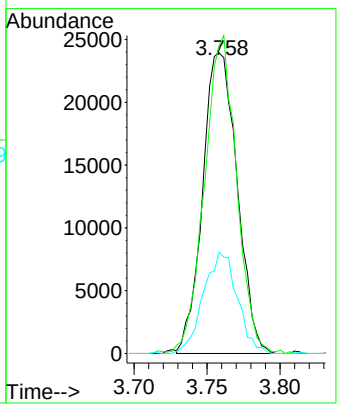




#35
Carbon Tetrachloride
Concen: 0.952 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:117 Resp: 39345

Ion	Ratio	Lower	Upper
117	100		
119	101.8	76.2	114.2
121	33.7	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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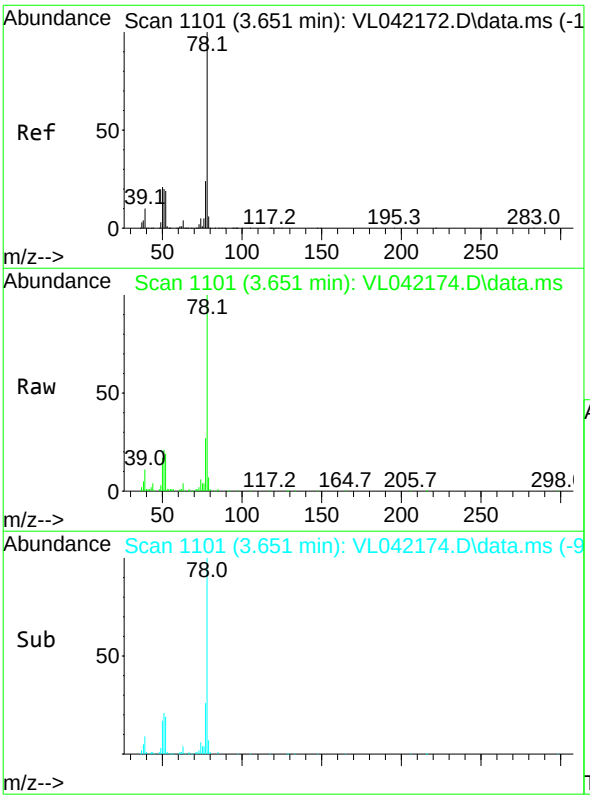
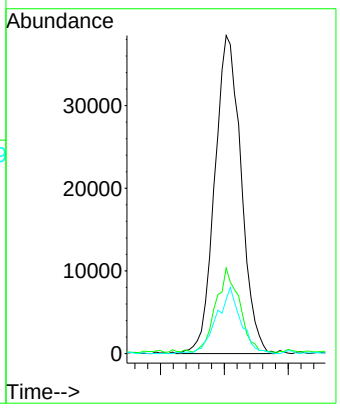
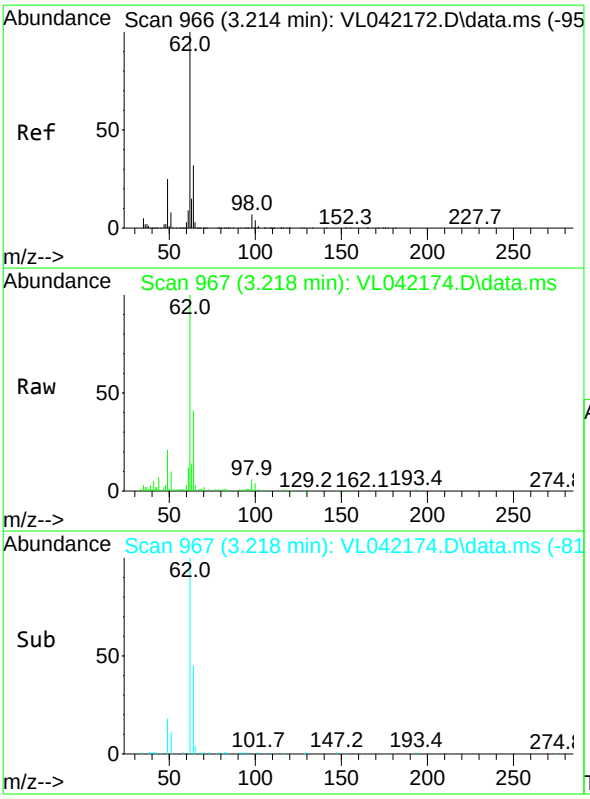


#36
Benzene
Concen: 1.036 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 78 Resp: 55156

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7
50	17.1	16.6	24.8





#37
1,2-Dichloroethane
Concen: 1.002 ppbv
RT: 3.218 min Scan# 96
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 62 Resp: 30543

Ion	Ratio	Lower	Upper
62	100		
98	7.6	5.4	8.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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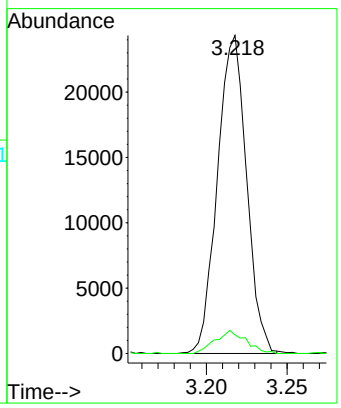
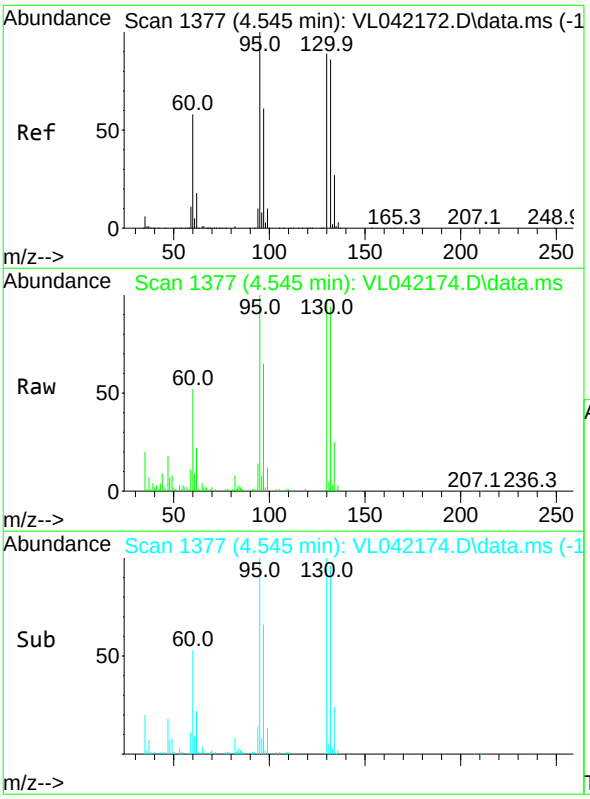
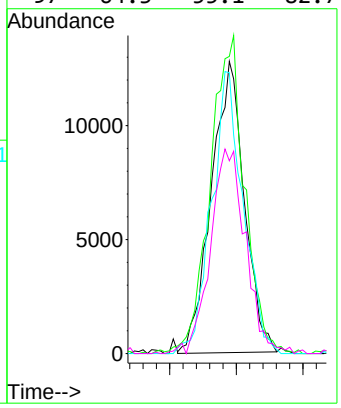


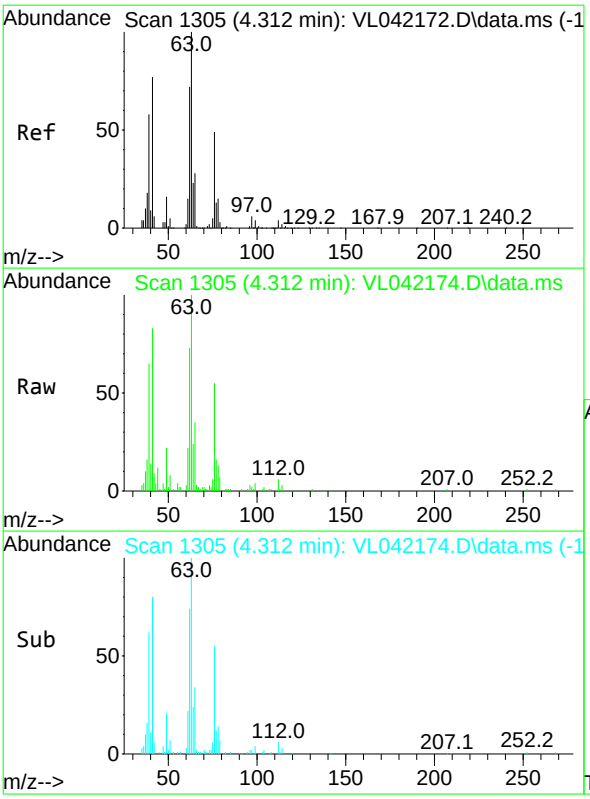


#38
Trichloroethene
Concen: 0.985 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:130 Resp: 21906

Ion	Ratio	Lower	Upper
130	100		
95	100.2	89.8	134.8
132	95.3	77.4	116.2
97	64.3	55.1	82.7

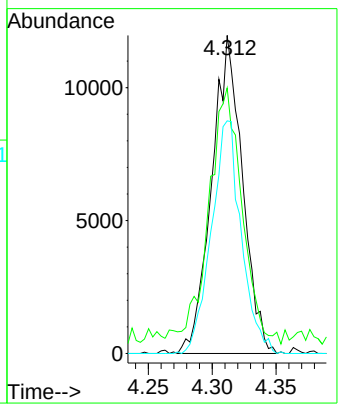




#39
1,2-Dichloropropane
Concen: 1.032 ppbv
RT: 4.312 min Scan# 13
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 63 Resp: 20020

Ion	Ratio	Lower	Upper
63	100		
41	76.8	61.7	92.5
62	73.1	57.6	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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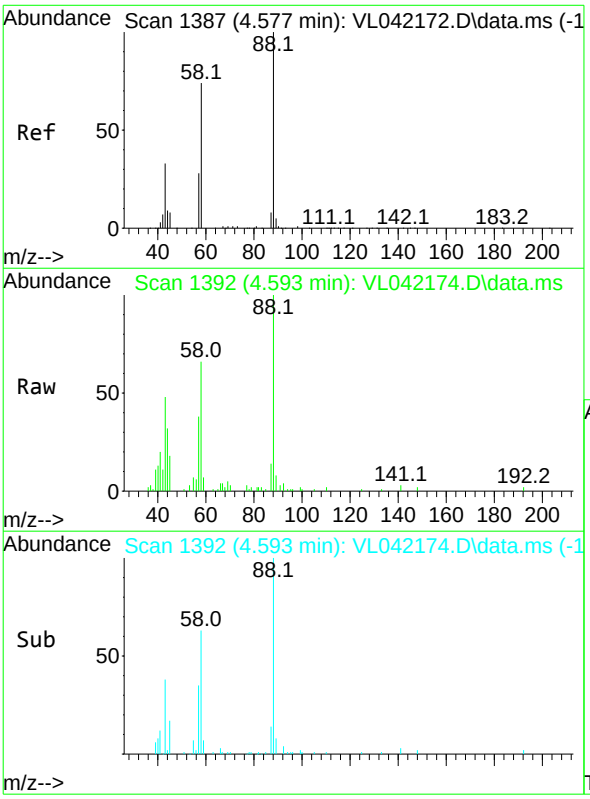
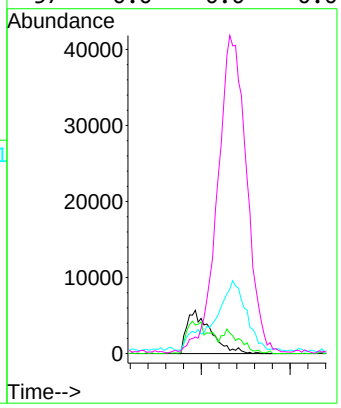
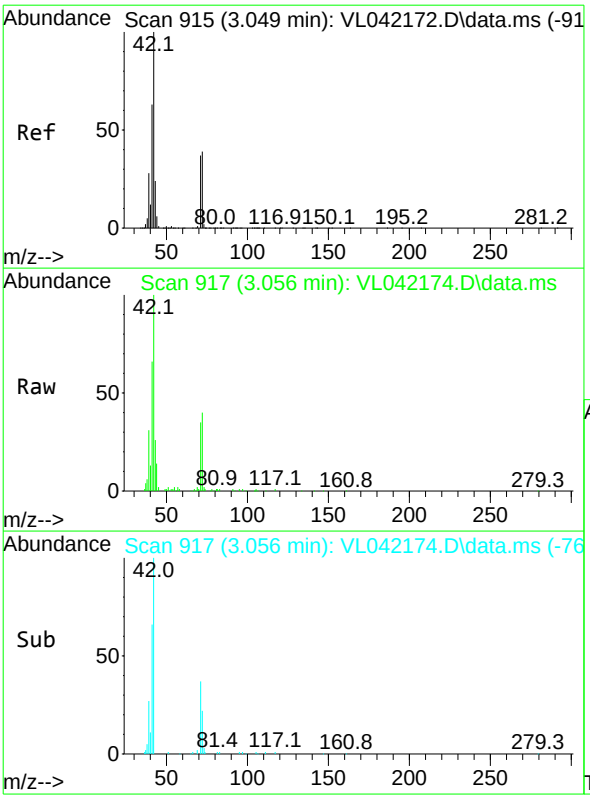


#40
1,4-Dioxane
Concen: 1.052 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.016 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 88 Resp: 10592

Ion	Ratio	Lower	Upper
88	100		
58	115.3	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0

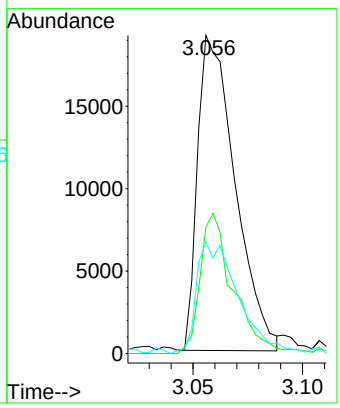




#41
Tetrahydrofuran
Concen: 1.029 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 42 Resp: 22818

Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.0
71	40.8	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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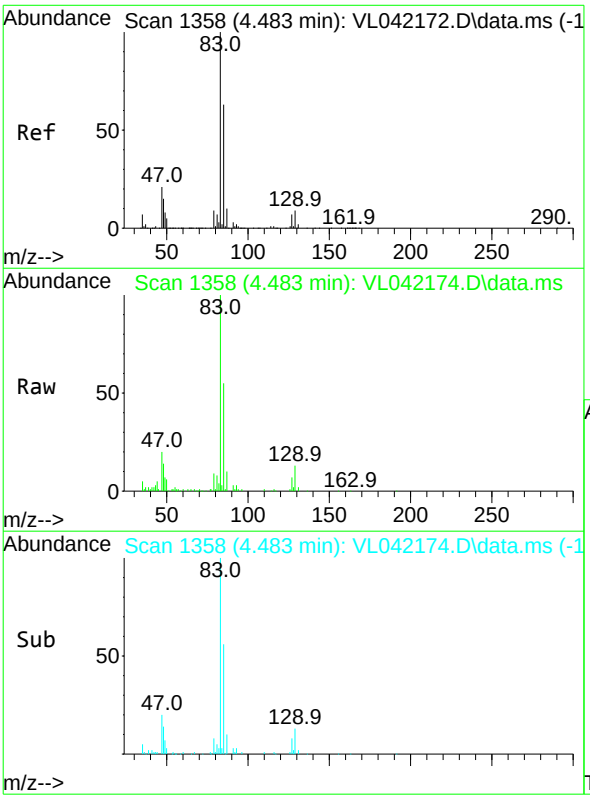
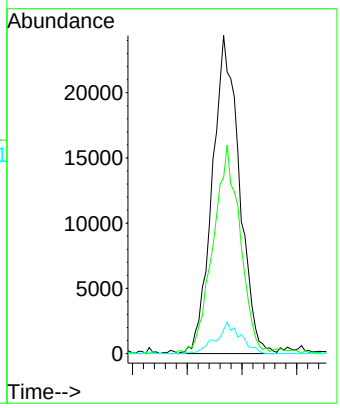
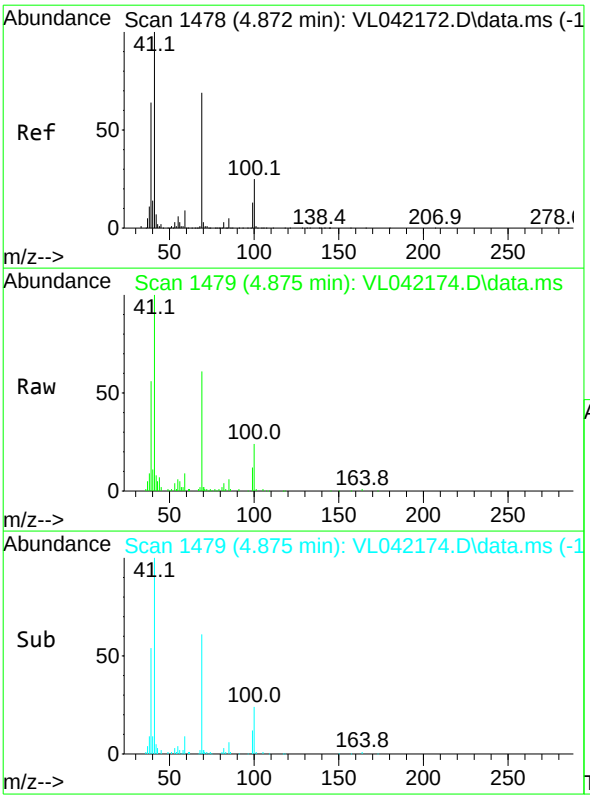


#42
Bromodichloromethane
Concen: 0.996 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 83 Resp: 41864

Ion	Ratio	Lower	Upper
83	100		
85	54.7	50.5	75.7
127	7.5	5.9	8.9





#43
Methyl Methacrylate
Concen: 1.078 ppbv m
RT: 4.875 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 69 Resp: 24233

Ion	Ratio	Lower	Upper
69	100		
41	146.1	123.8	185.6
100	0.0	28.4	42.6#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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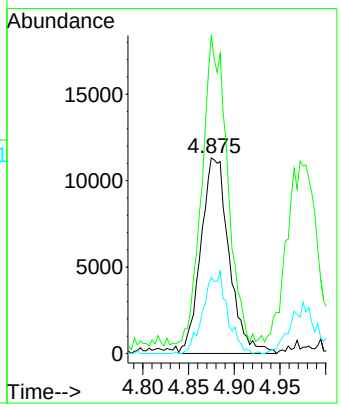
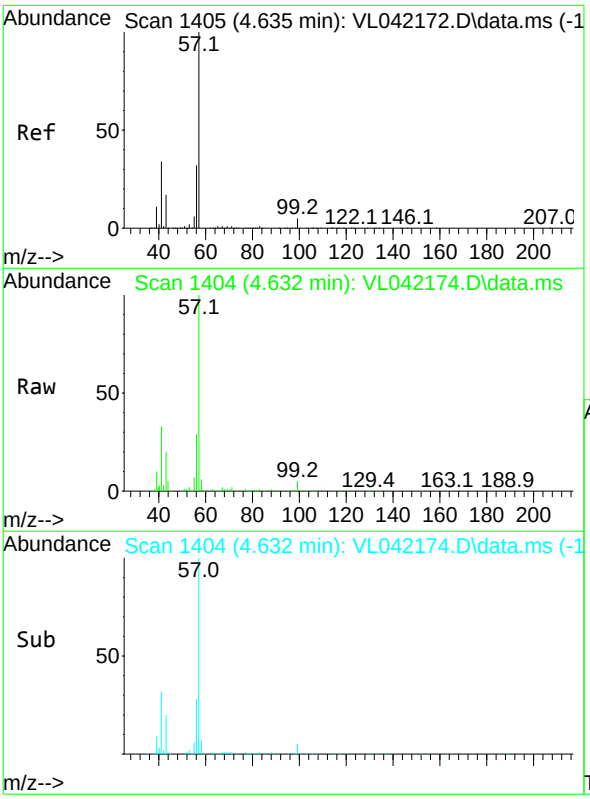
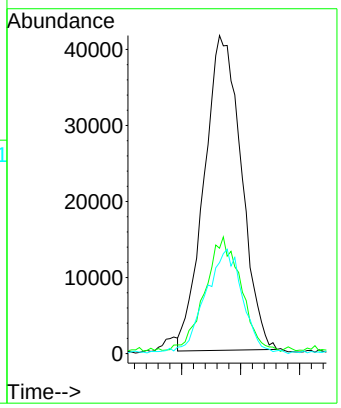


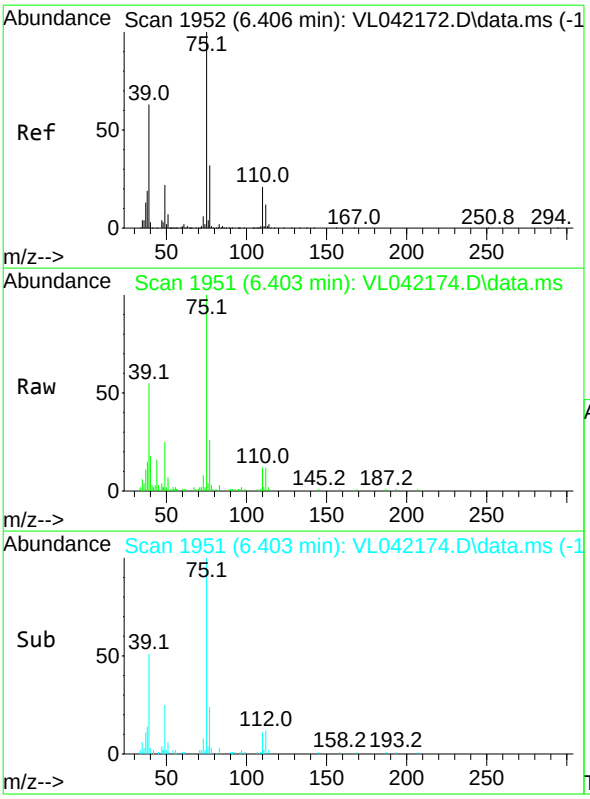


#44
2,2,4-Trimethylpentane
Concen: 1.008 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57 Resp: 90727

Ion	Ratio	Lower	Upper
57	100		
41	35.9	26.8	40.2
56	33.7	25.6	38.4

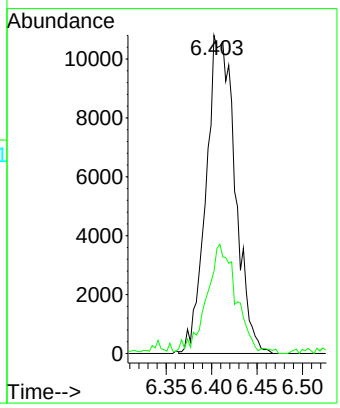




#45
t-1,3-Dichloropropene
Concen: 0.992 ppbv m
RT: 6.403 min Scan# 19
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 75 Resp: 23993

Ion	Ratio	Lower	Upper
75	100		
77	25.9	26.0	39.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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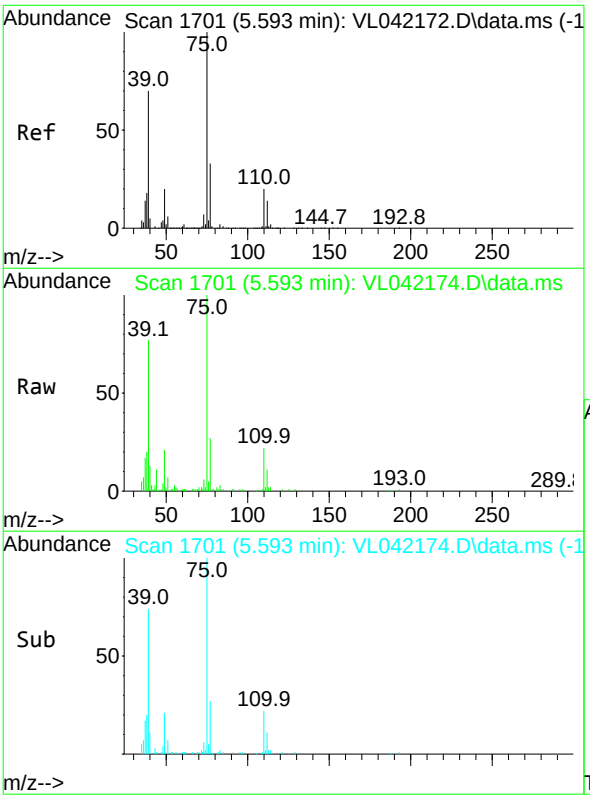
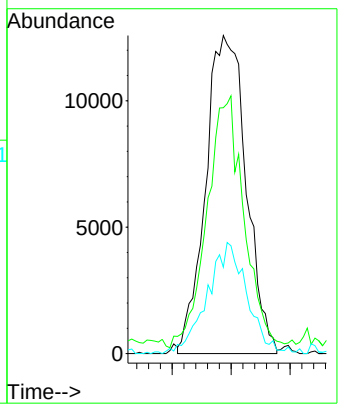
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

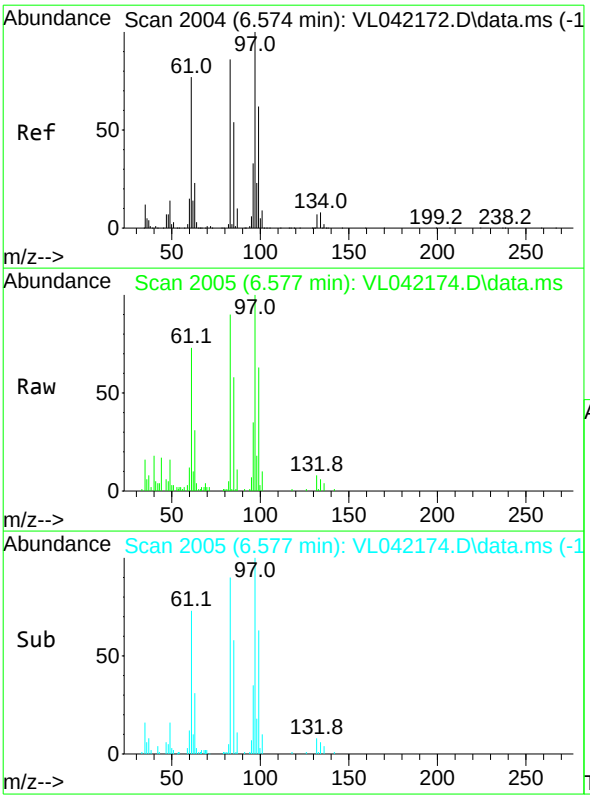


#46
cis-1,3-Dichloropropene
Concen: 1.014 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 75 Resp: 30063

Ion	Ratio	Lower	Upper
75	100		
39	74.2	55.8	83.6
77	26.4	26.0	39.0

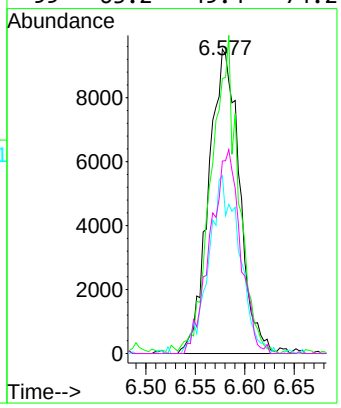




#47
1,1,2-Trichloroethane
Concen: 1.002 ppbv
RT: 6.577 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 97 Resp: 20546

Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.2	103.8
85	58.4	43.1	64.7
99	63.2	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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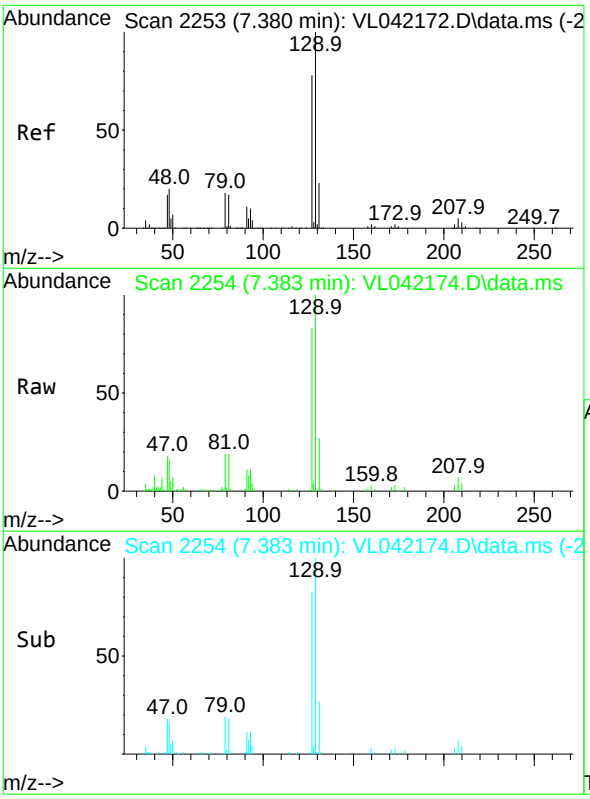
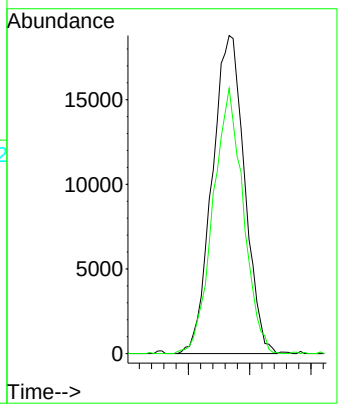
Supervised By :Mahesh Dadoda 04/03/2025

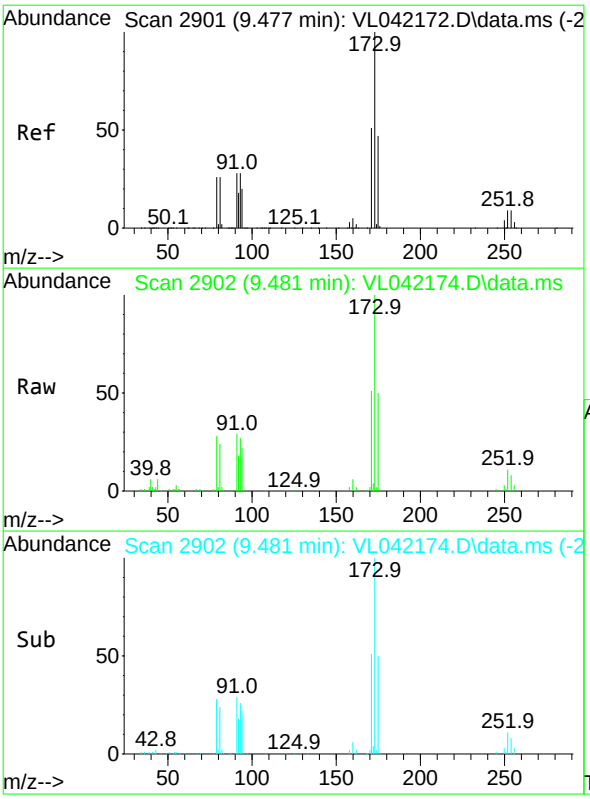


#48
Dibromochloromethane
Concen: 0.991 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:129 Resp: 34425

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2

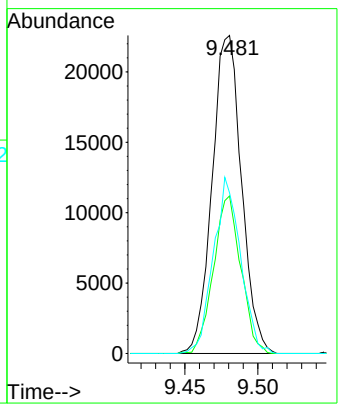




#49
Bromoform
Concen: 1.013 ppbv
RT: 9.481 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:173 Resp: 31610

Ion	Ratio	Lower	Upper
173	100		
175	46.1	38.6	57.8
171	51.3	41.8	62.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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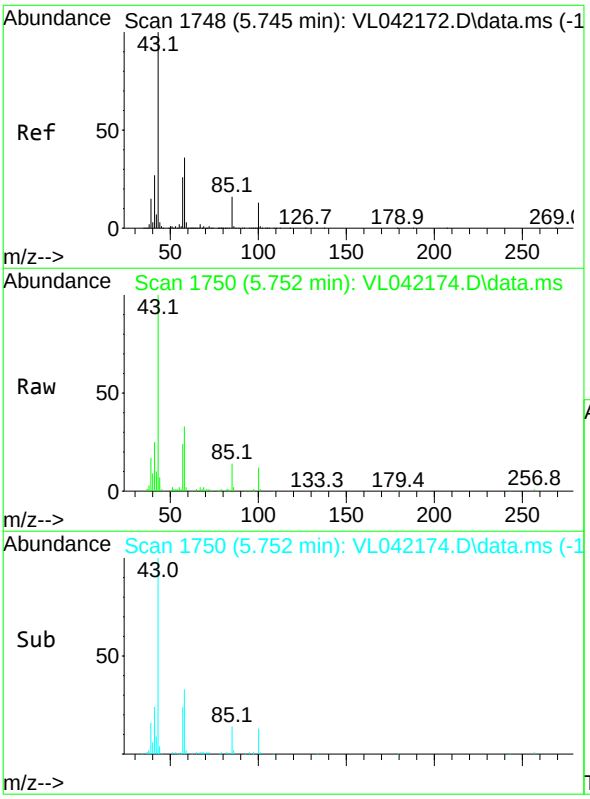
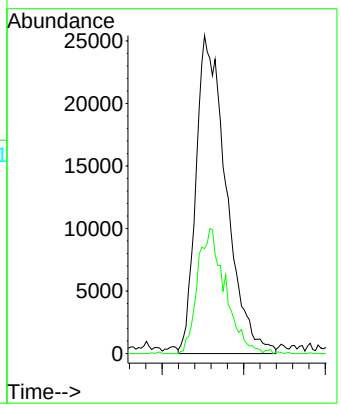
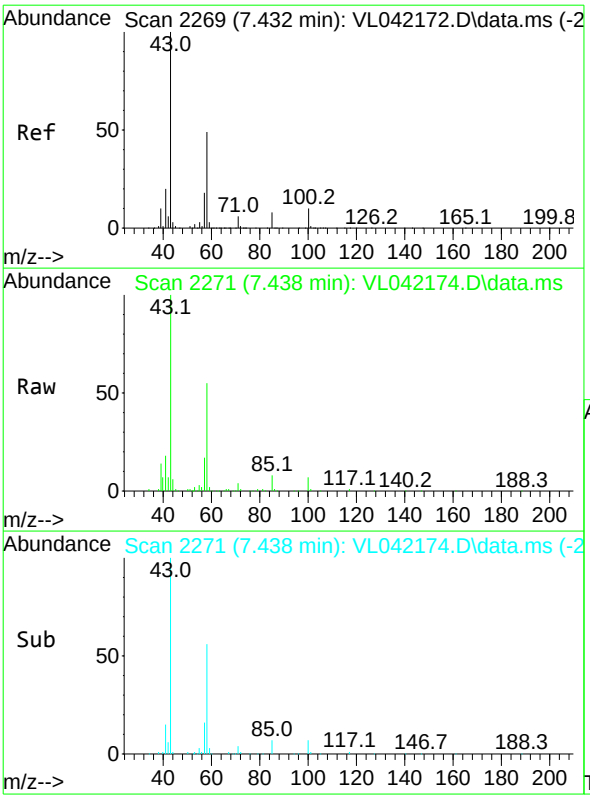


#50
4-Methyl-2-Pentanone
Concen: 1.056 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 65226

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.6#





#51
2-Hexanone
Concen: 1.067 ppbv
RT: 7.438 min Scan# 22
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 54680

Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.7	59.5
98	0.2	0.1	0.1#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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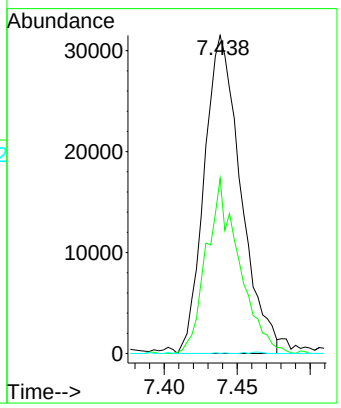
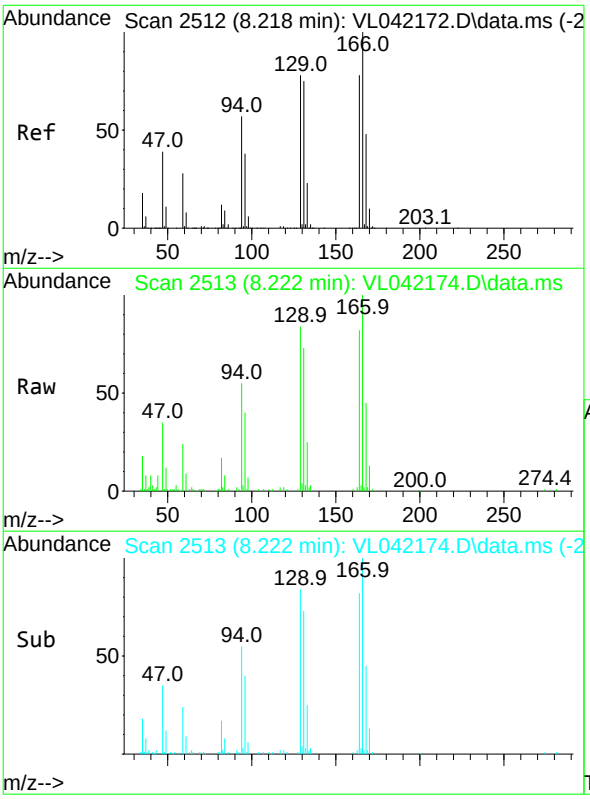
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

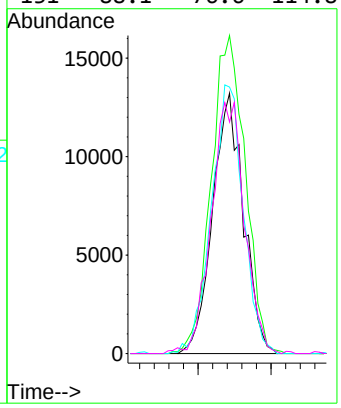


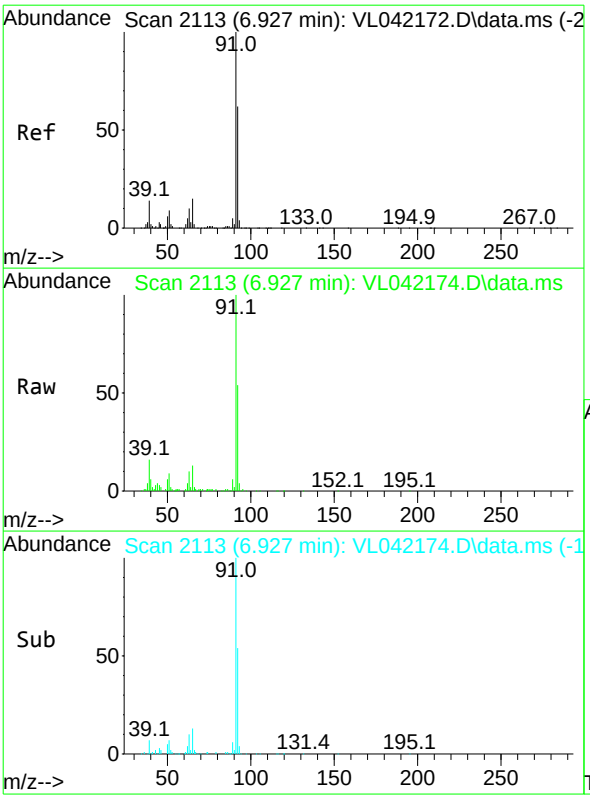


#52
Tetrachloroethene
Concen: 0.919 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:164 Resp: 19415

Ion	Ratio	Lower	Upper
164	100		
166	121.4	102.5	153.7
129	102.4	79.8	119.8
131	88.1	76.6	114.8

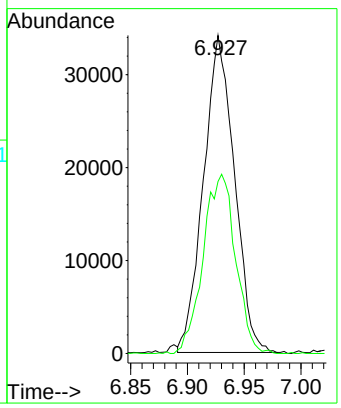




#53
Toluene
Concen: 1.023 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 64612

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
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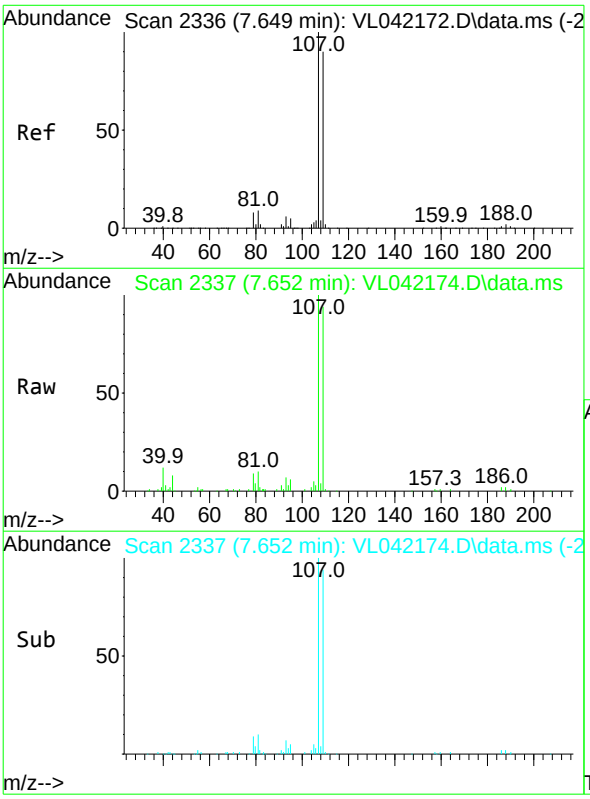
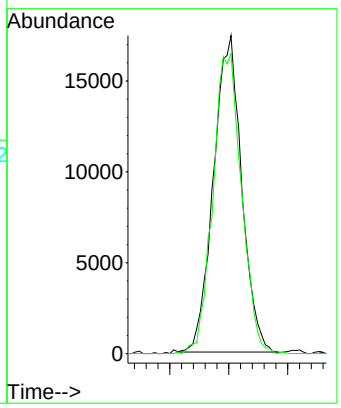
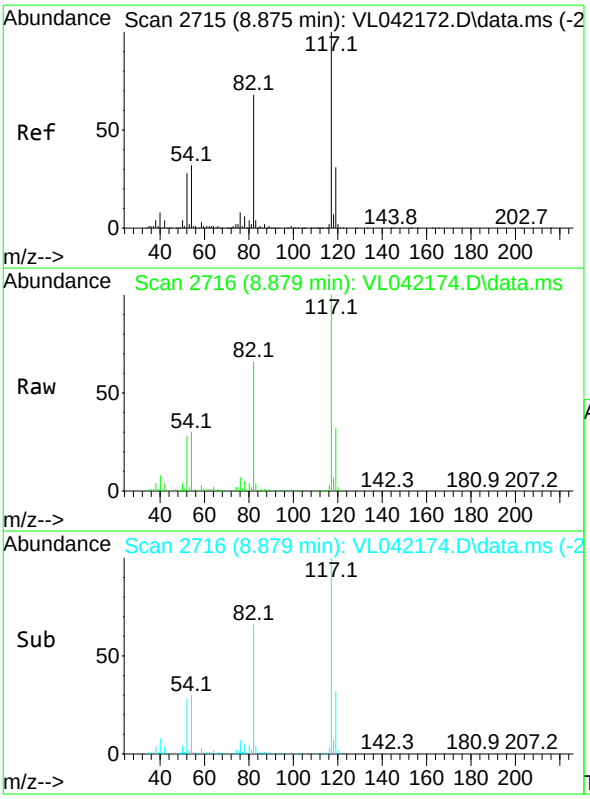


#54
1,2-Dibromoethane
Concen: 1.009 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:107 Resp: 28879

Ion	Ratio	Lower	Upper
107	100		
109	94.8	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:117 Resp: 499830

Ion	Ratio	Lower	Upper
117	100		
82	67.6	55.8	83.6
119	32.2	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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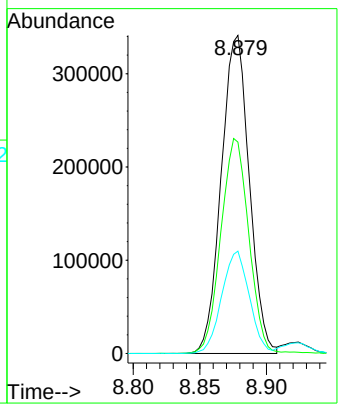
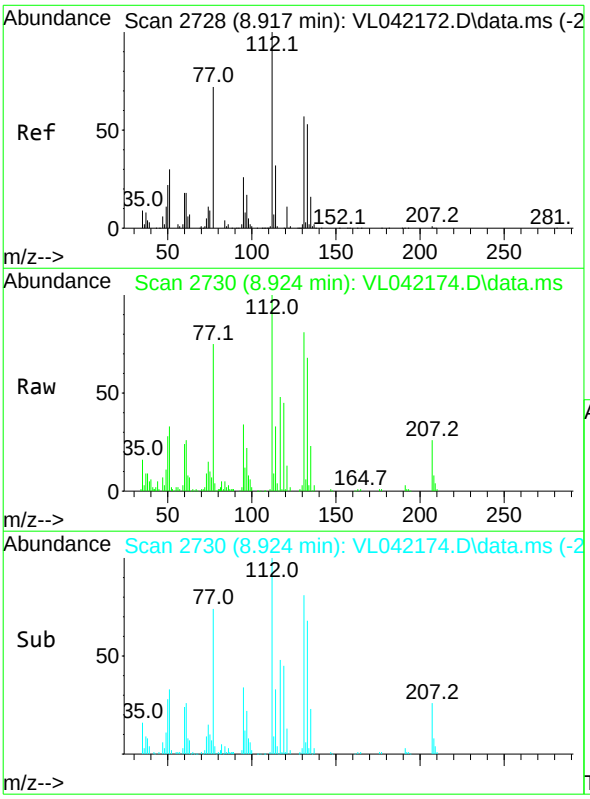
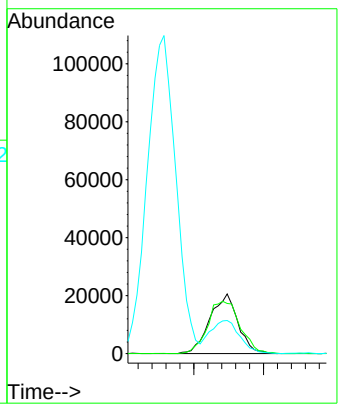


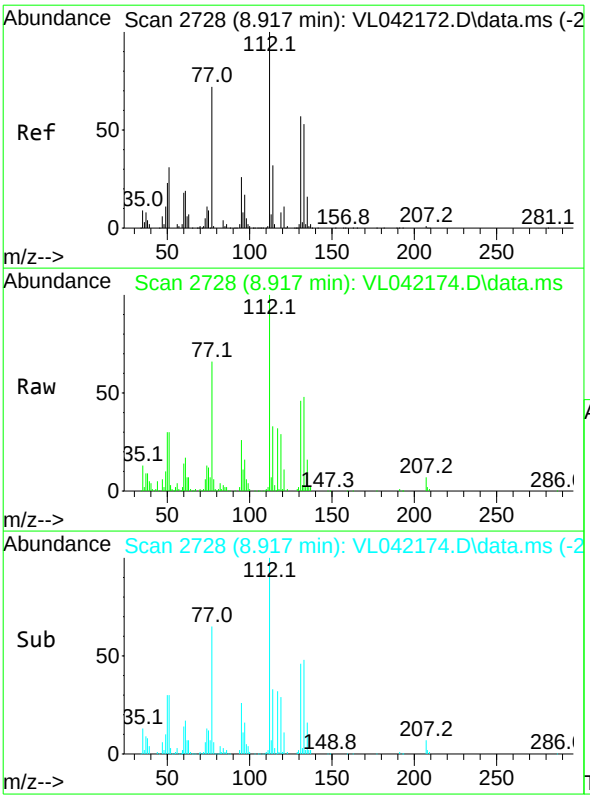


#56
1,1,1,2-Tetrachloroethane
Concen: 1.045 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:131 Resp: 28764

Ion	Ratio	Lower	Upper
131	100		
133	101.7	76.6	114.8
119	44.1	49.8	74.6#

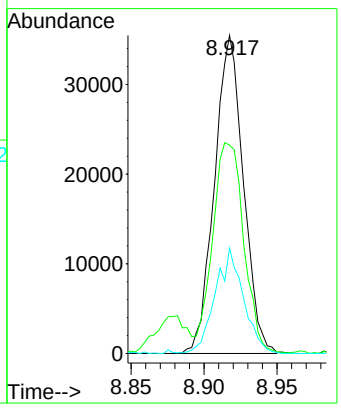




#57
Chlorobenzene
Concen: 1.032 ppbv
RT: 8.917 min Scan# 27
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:112 Resp: 48930

Ion	Ratio	Lower	Upper
112	100		
77	65.0	58.2	87.2
114	32.9	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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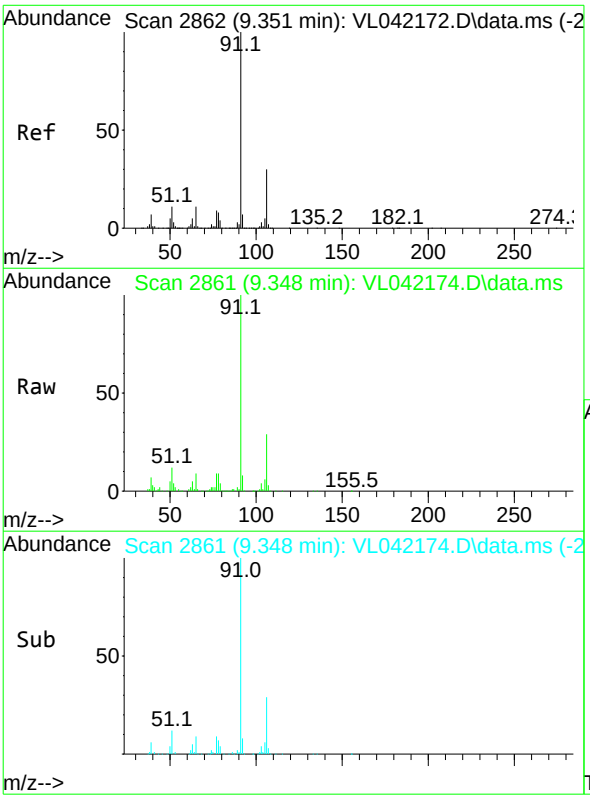
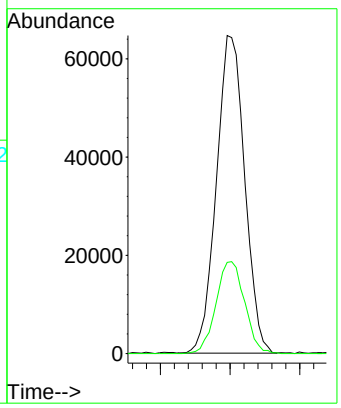
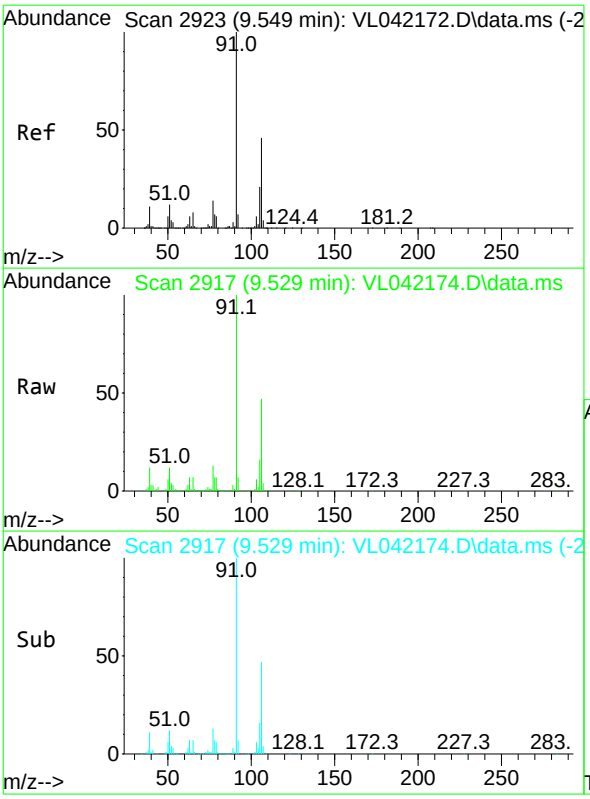


#58
Ethyl Benzene
Concen: 1.026 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 91086

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.2	36.2

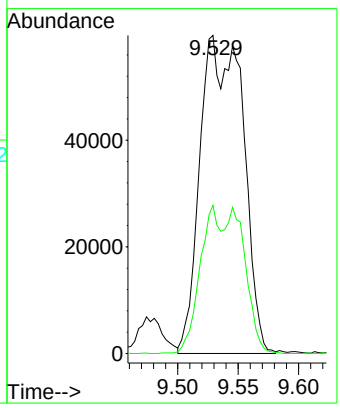




#59
m/p-Xylene
Concen: 2.073 ppbv m
RT: 9.529 min Scan# 29
Delta R.T. -0.019 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 147162

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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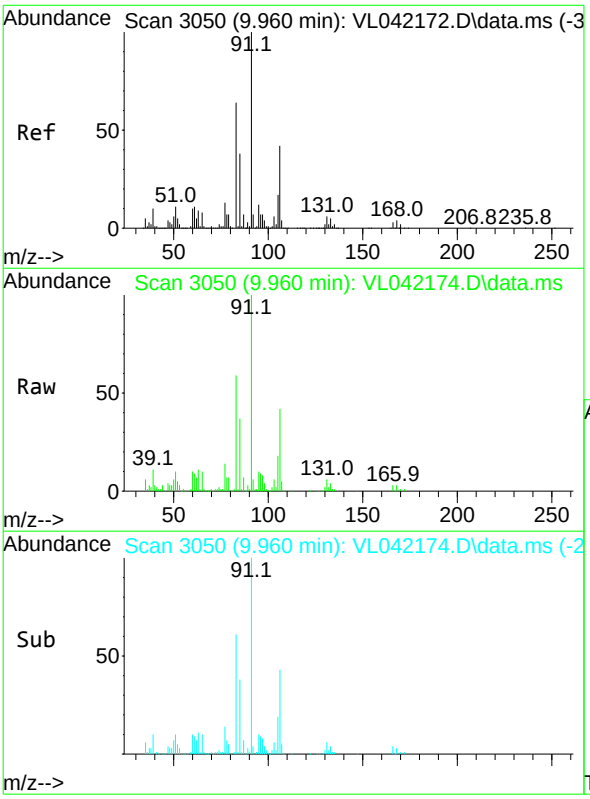
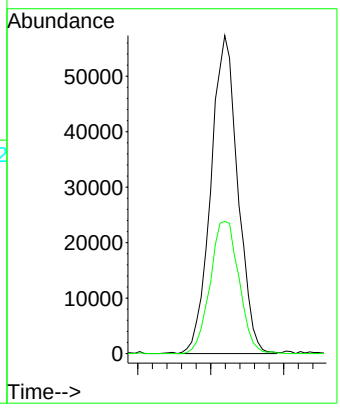
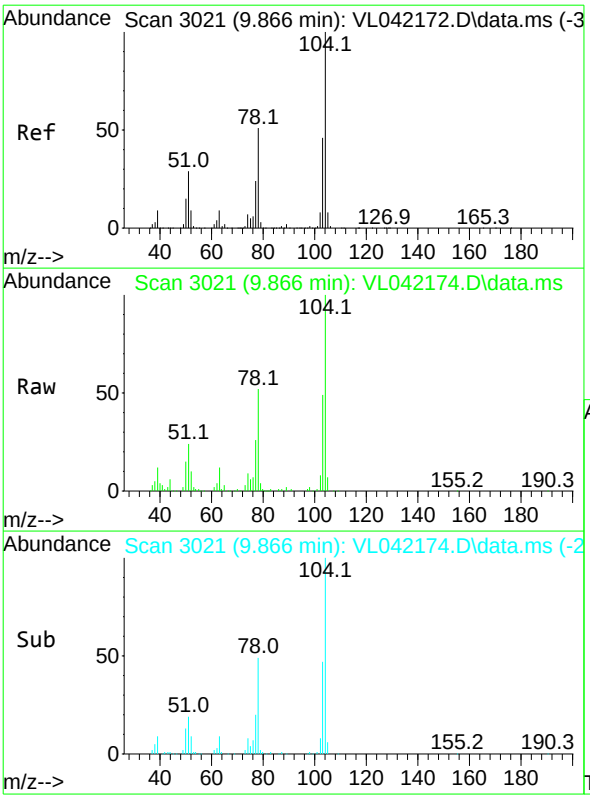


#60
o-Xylene
Concen: 1.037 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 73702

Ion	Ratio	Lower	Upper
91	100		
106	44.3	20.8	62.5

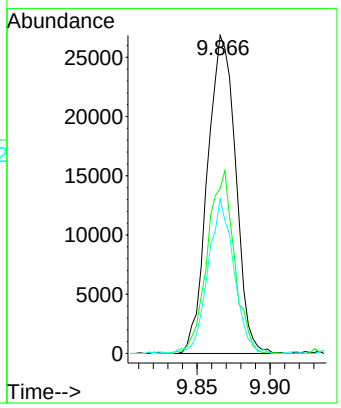




#61
Styrene
Concen: 1.027 ppbv
RT: 9.866 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:104 Resp: 36110

Ion	Ratio	Lower	Upper
104	100		
78	54.9	41.8	62.6
103	45.1	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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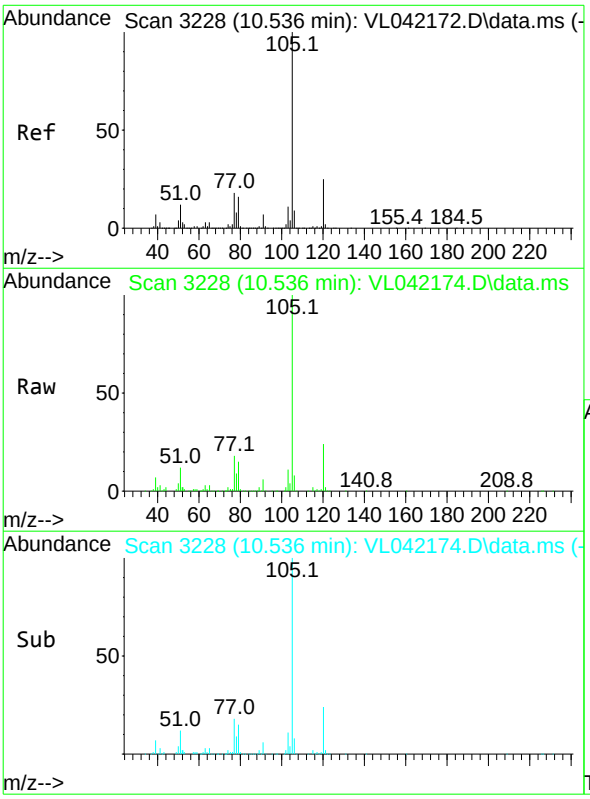
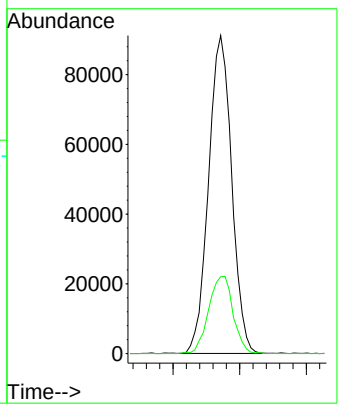
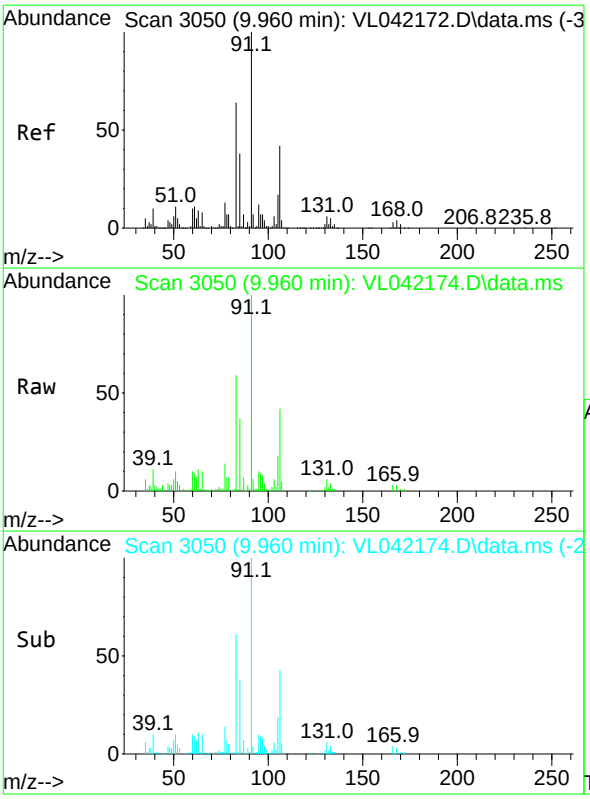


#62
Isopropylbenzene
Concen: 1.034 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 109897

Ion	Ratio	Lower	Upper
105	100		
120	25.7	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 1.029 ppbv
RT: 9.960 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 83 Resp: 44431

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	64.0	32.5	97.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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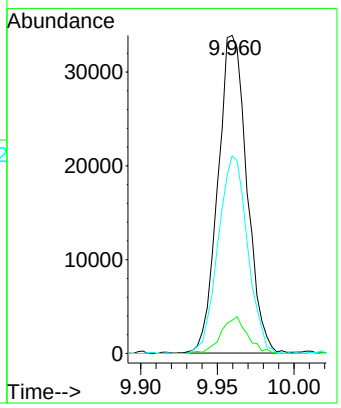
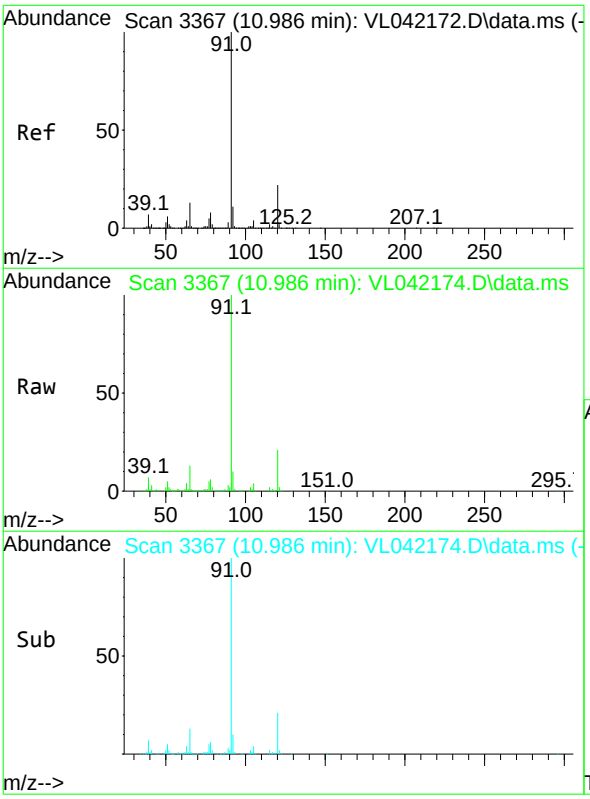
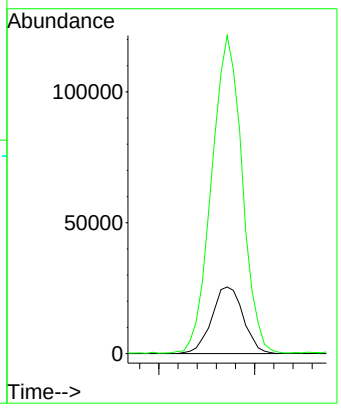


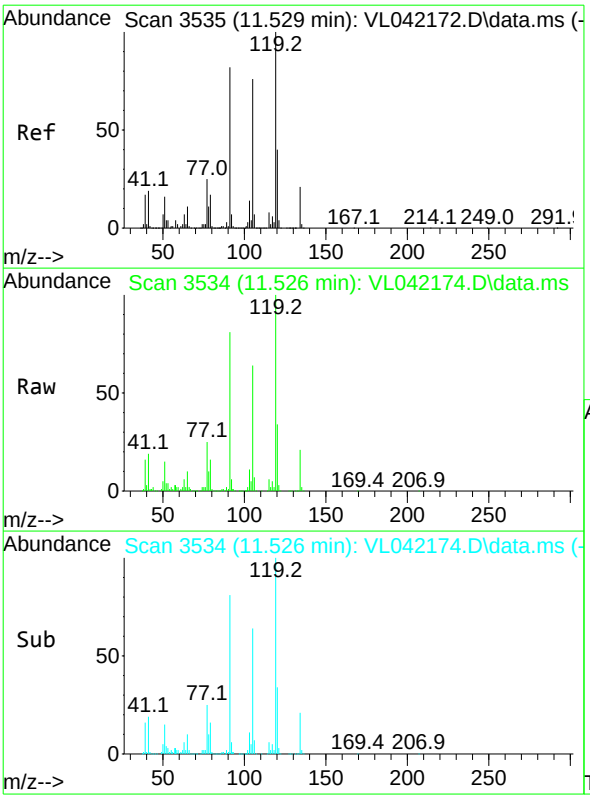


#64
n-propylbenzene
Concen: 1.062 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:120 Resp: 29054

Ion	Ratio	Lower	Upper
120	100		
91	466.9	376.9	565.3





#65
tert-Butylbenzene
Concen: 1.053 ppbv
RT: 11.526 min Scan# 35
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

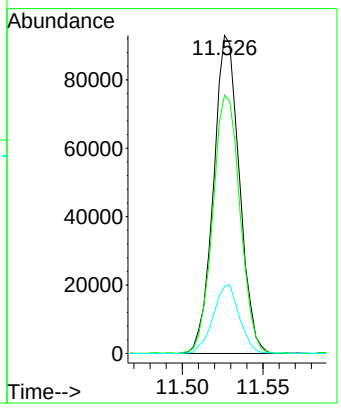
Tgt Ion:119 Resp: 103520

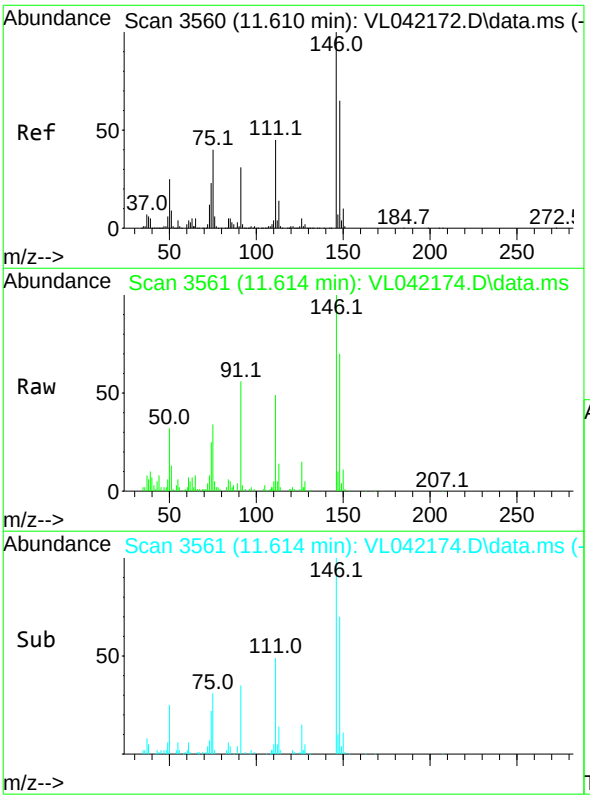
Ion	Ratio	Lower	Upper
119	100		
91	85.9	66.0	99.0
134	22.1	16.7	25.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

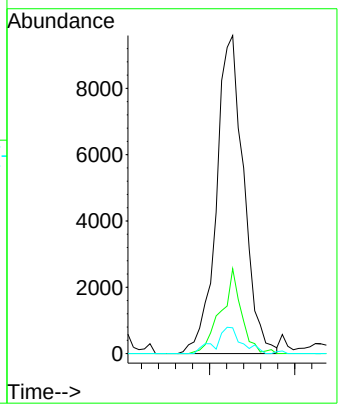


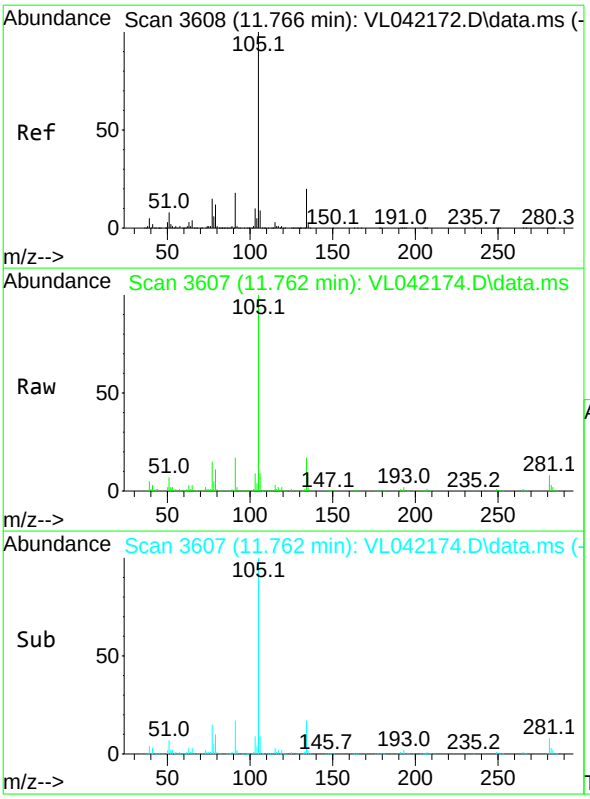


#66
Benzyl Chloride
Concen: 1.022 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 10660

Ion	Ratio	Lower	Upper
91	100		
126	20.0	13.8	20.6
128	8.0	4.5	6.7#

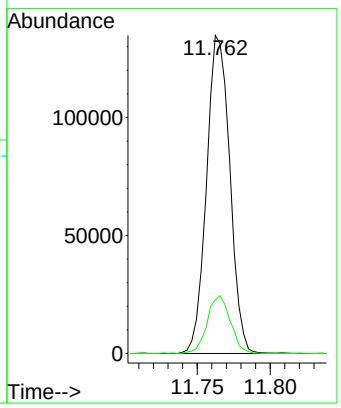




#67
sec-Butylbenzene
Concen: 1.095 ppbv
RT: 11.762 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 149660

Ion	Ratio	Lower	Upper
105	100		
134	18.1	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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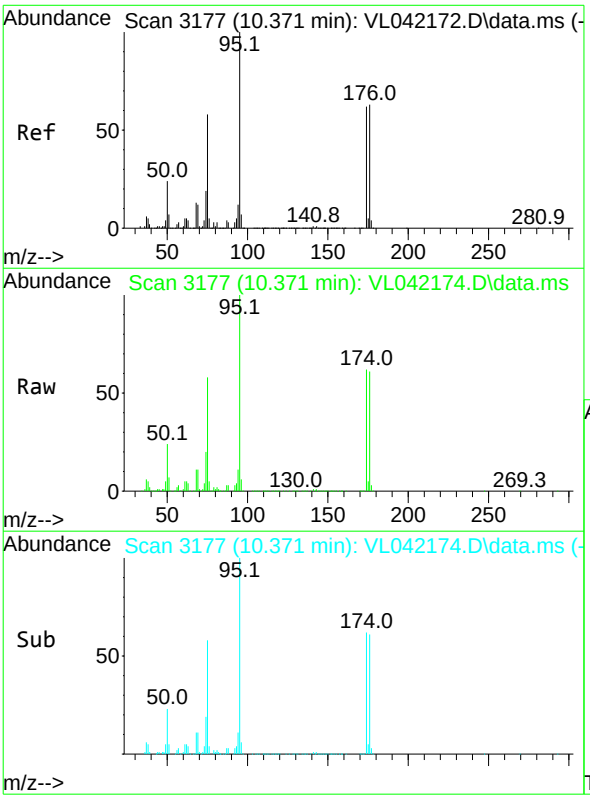
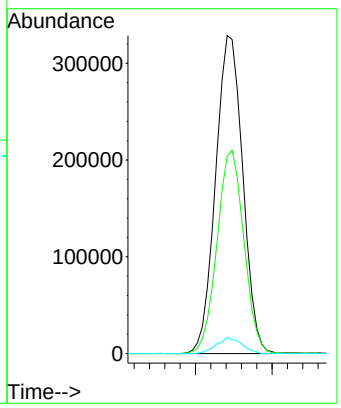
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

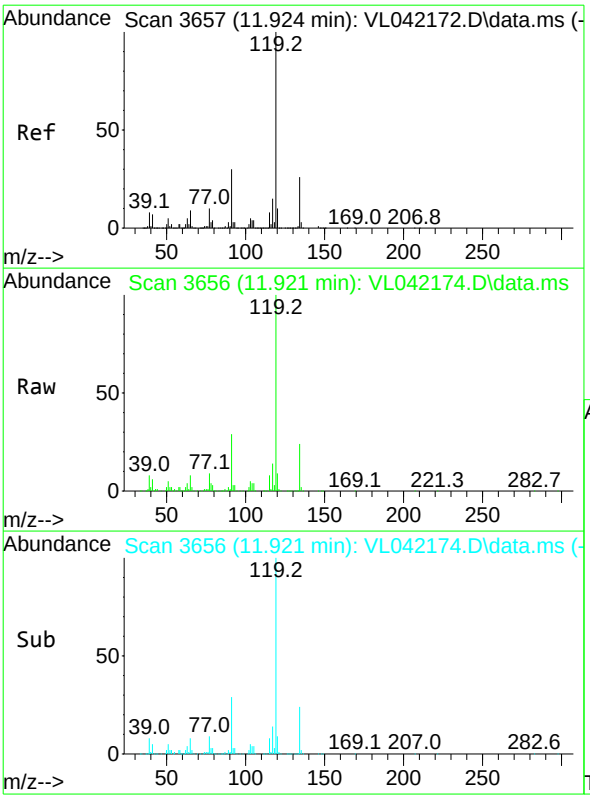


#68
1-Bromo-4-Fluorobenzene
Concen: 9.861 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 95 Resp: 404753

Ion	Ratio	Lower	Upper
95	100		
174	63.4	50.6	76.0
175	4.7	3.8	5.6





#69
p-Isopropyltoluene
Concen: 1.084 ppbv
RT: 11.921 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:119 Resp: 127509

Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.4	30.6
91	30.0	23.7	35.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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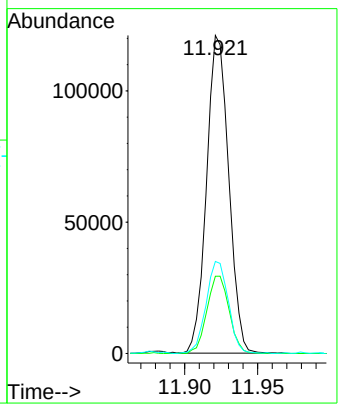
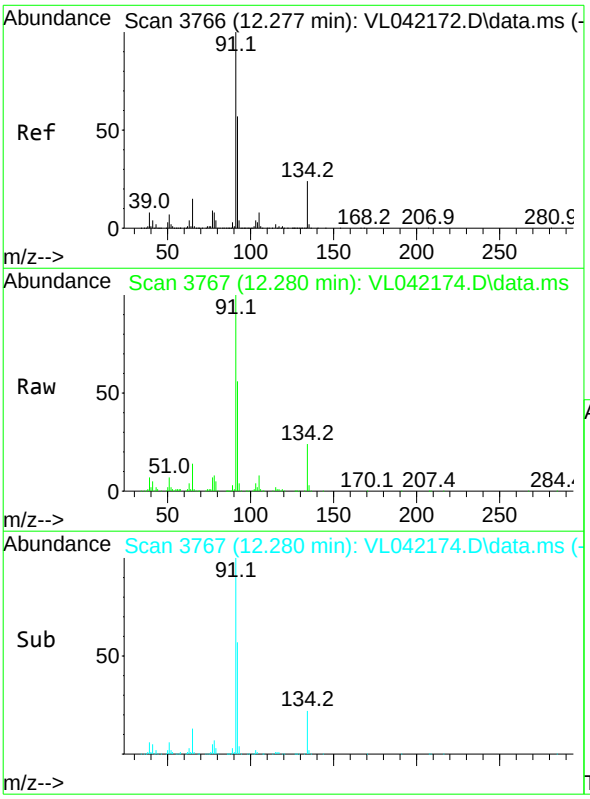
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

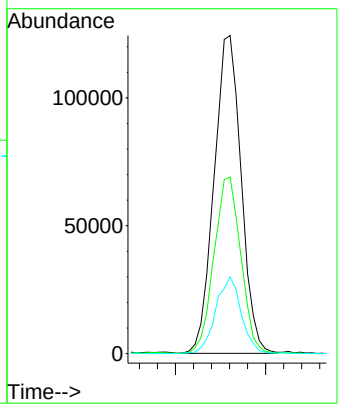


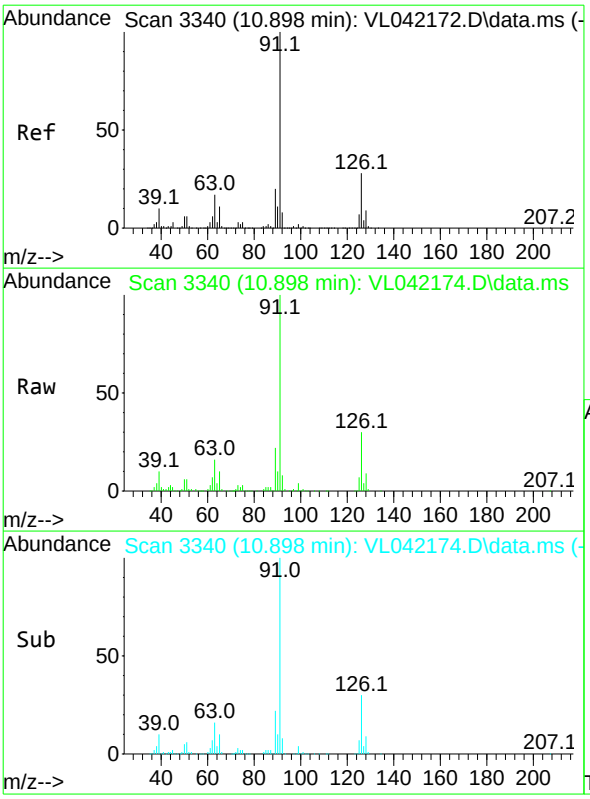


#70
n-Butylbenzene
Concen: 1.079 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 129860

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.9	67.3
134	22.8	19.2	28.8

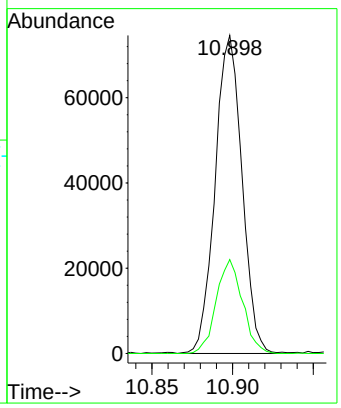




#71
2-Chlorotoluene
Concen: 1.047 ppbv
RT: 10.898 min Scan# 33
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 86356

Ion	Ratio	Lower	Upper
91	100		
126	28.8	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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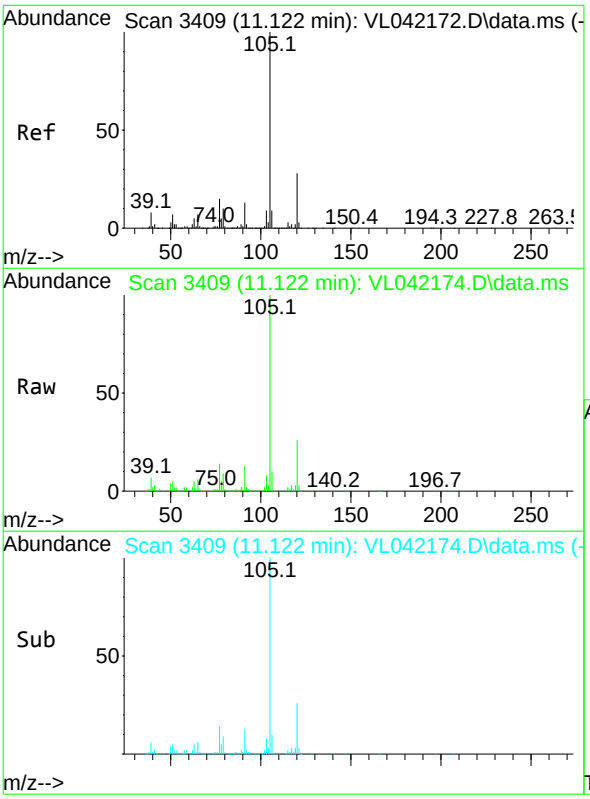
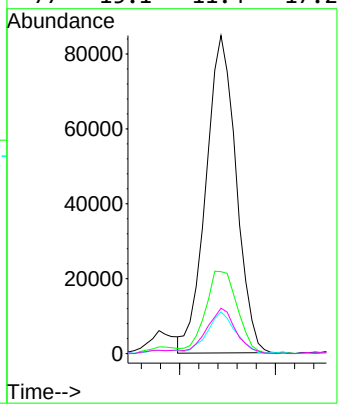
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

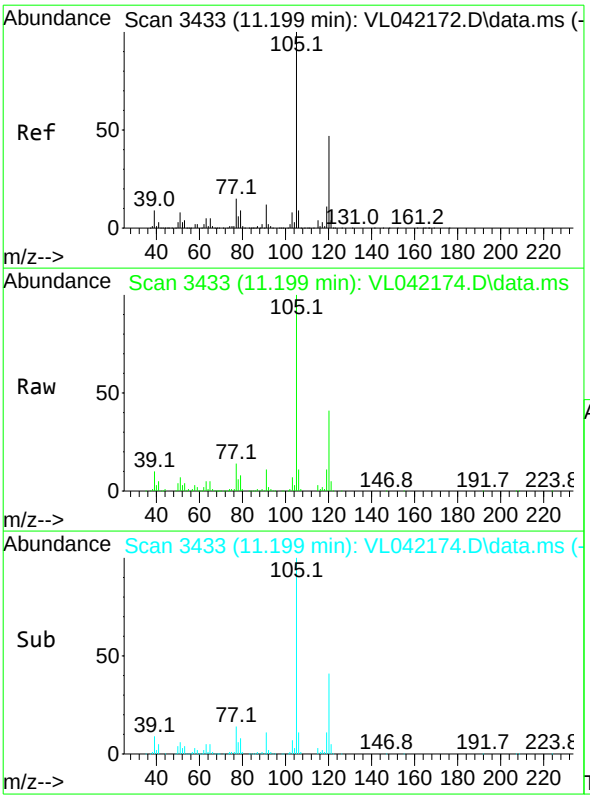


#72
4-Ethyltoluene
Concen: 1.050 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 92912

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.4	35.0
91	13.5	10.3	15.5
77	15.1	11.4	17.2

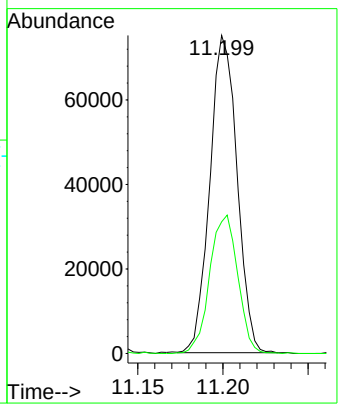




#73
1,3,5-Trimethylbenzene
Concen: 1.080 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 83497

Ion	Ratio	Lower	Upper
105	100		
120	41.3	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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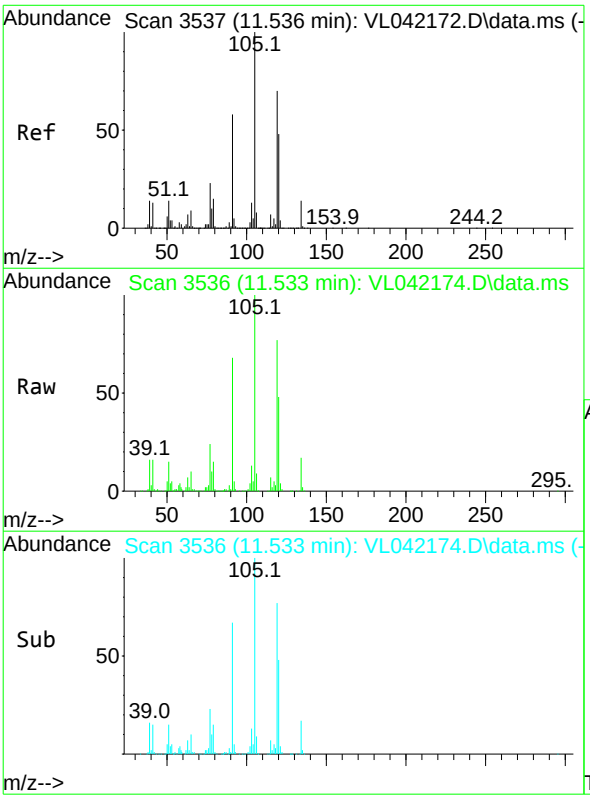
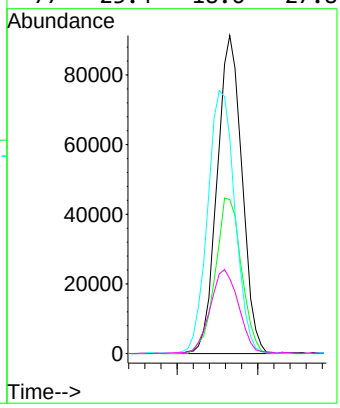
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

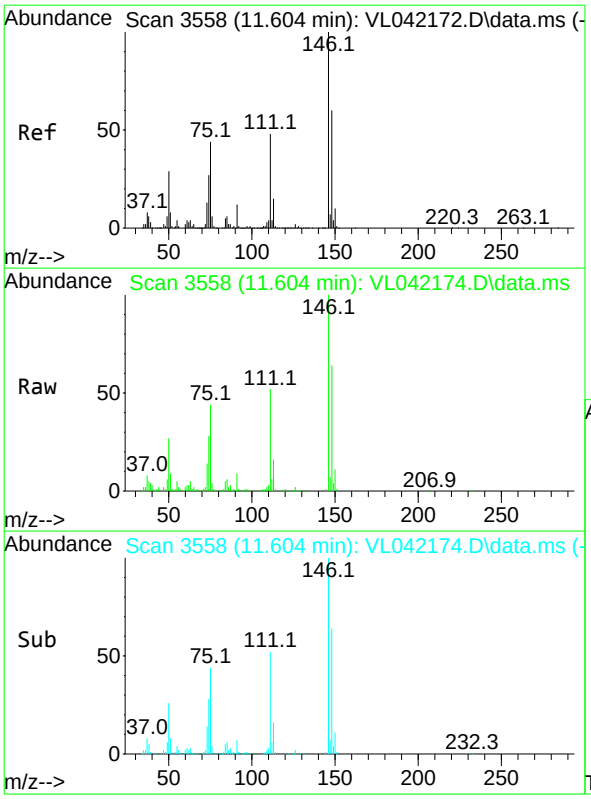


#74
1,2,4-Trimethylbenzene
Concen: 1.099 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 97858

Ion	Ratio	Lower	Upper
105	100		
120	48.4	38.6	58.0
91	67.6	46.2	69.2
77	23.4	18.6	27.8

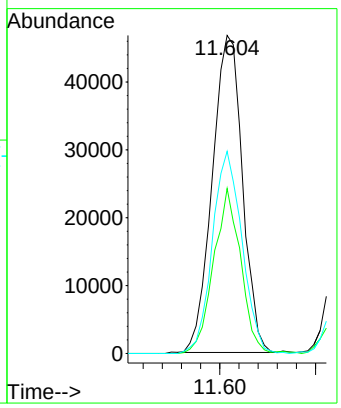




#75
1,3-Dichlorobenzene
Concen: 1.046 ppbv
RT: 11.604 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:146 Resp: 51096

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.8	71.2
148	62.6	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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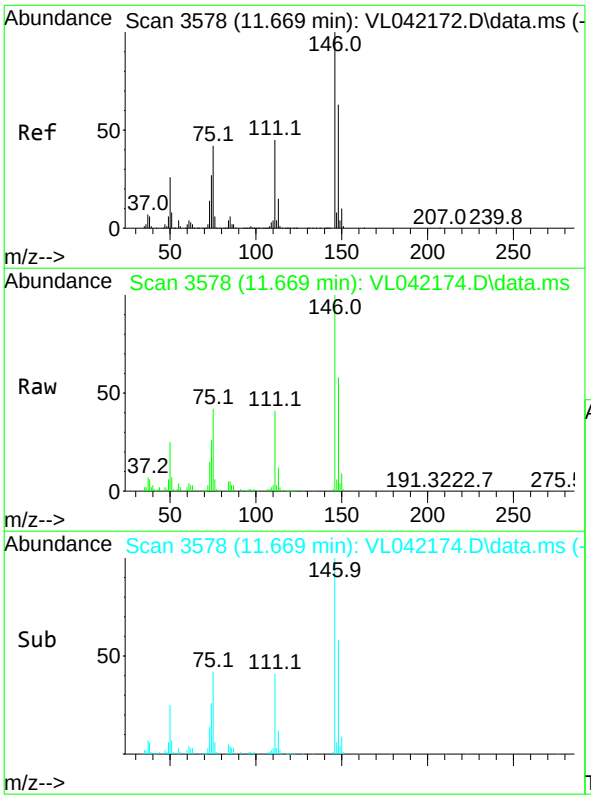
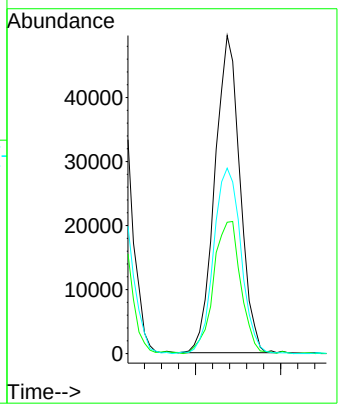
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

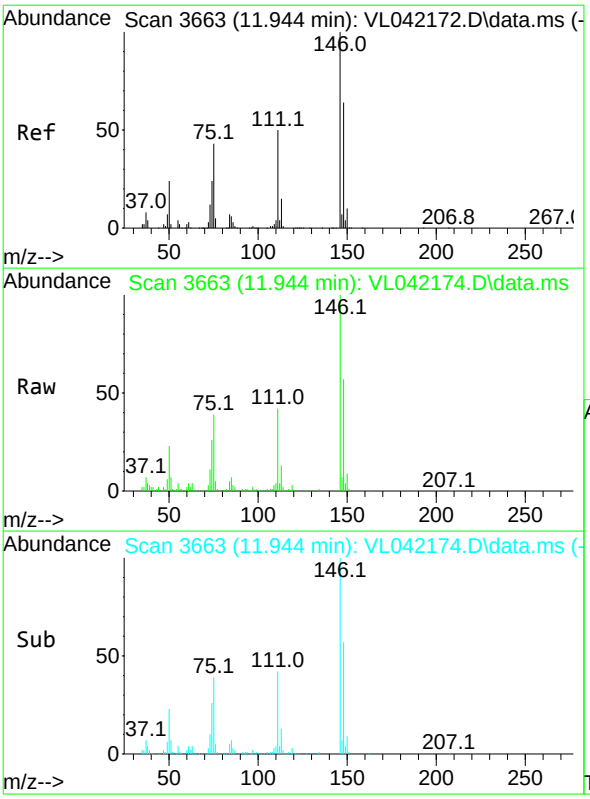


#76
1,4-Dichlorobenzene
Concen: 1.046 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:146 Resp: 50841

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.0	69.0
148	63.6	31.9	95.7

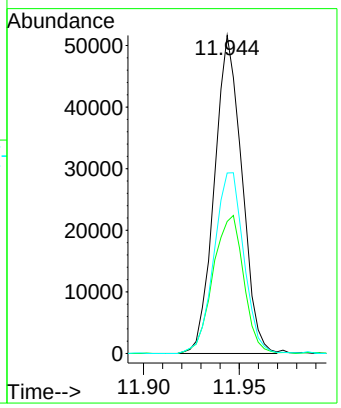




#77
1,2-Dichlorobenzene
Concen: 1.084 ppbv
RT: 11.944 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:146 Resp: 51523

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.8	74.3
148	61.9	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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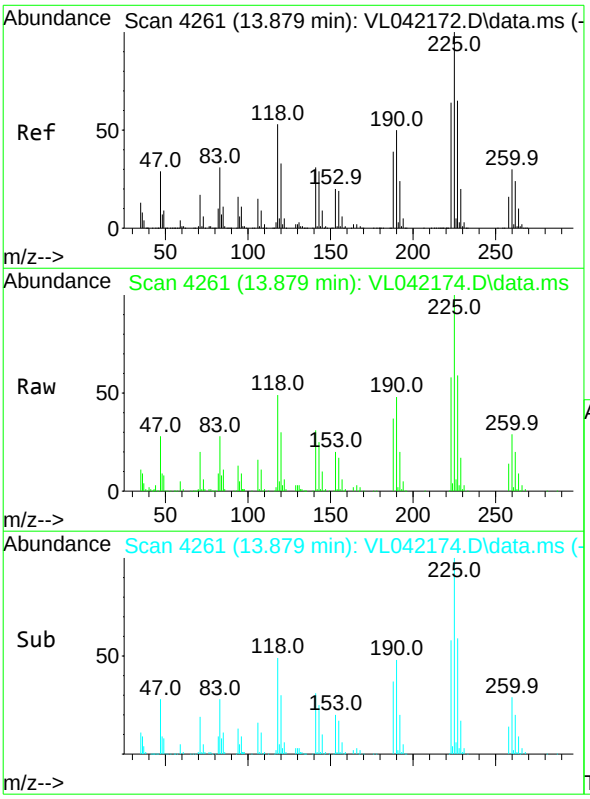
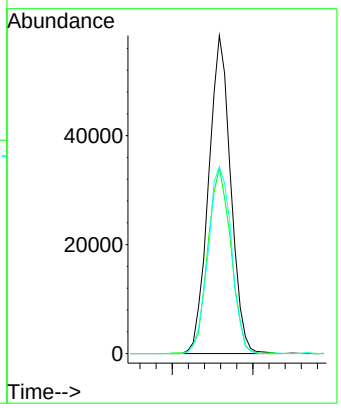
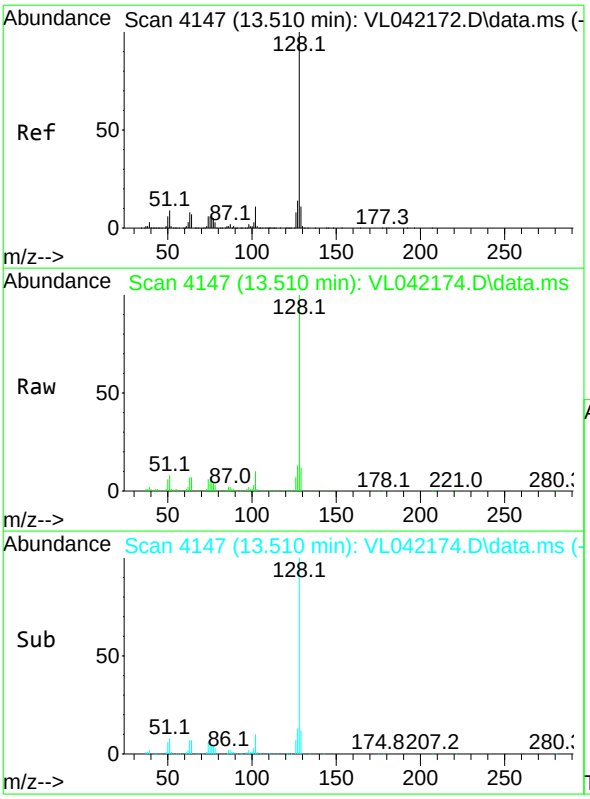


#78
Hexachloro-1,3-Butadiene
Concen: 1.149 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:225 Resp: 55611

Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.6	76.0
227	62.3	51.2	76.8

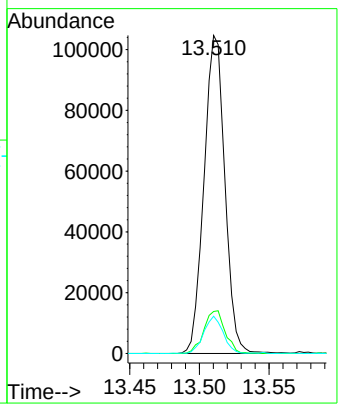




#79
Naphthalene
Concen: 1.120 ppbv
RT: 13.510 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:128 Resp: 109031

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.7	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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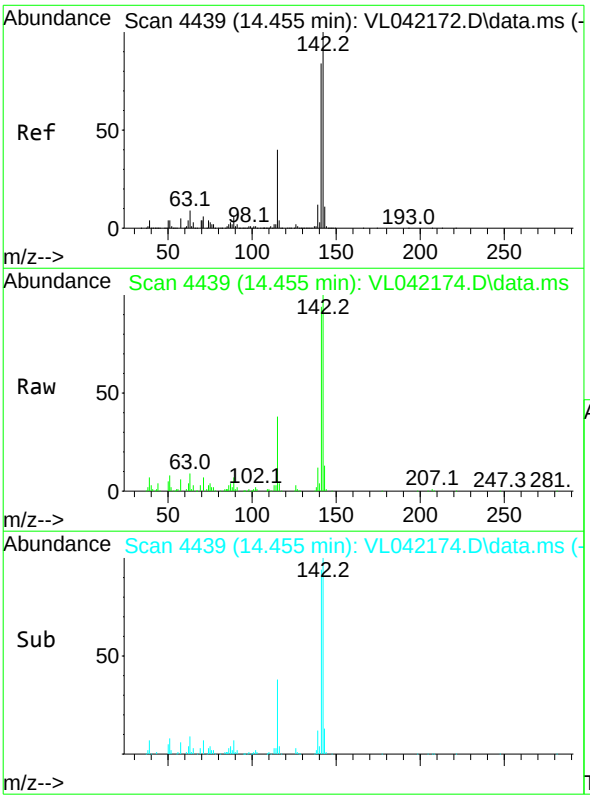
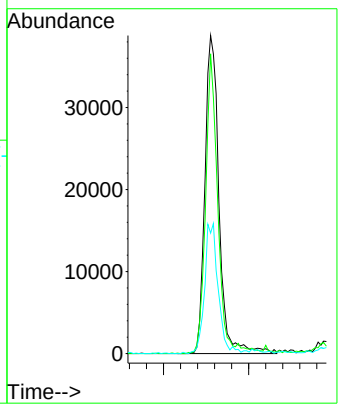
Supervised By :Mahesh Dadoda 04/03/2025

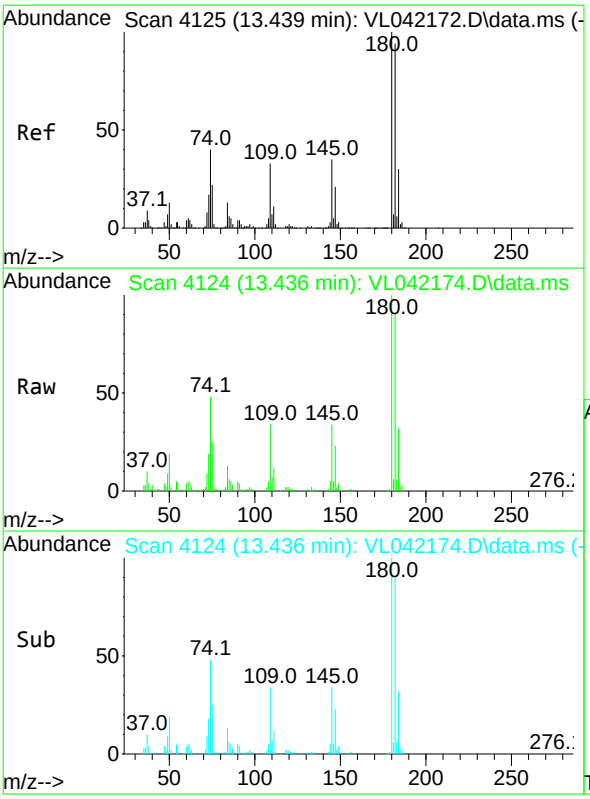


#80
Naphthalene,2-methyl-
Concen: 0.939 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:142 Resp: 44518

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.3	99.5
115	41.5	31.6	47.4

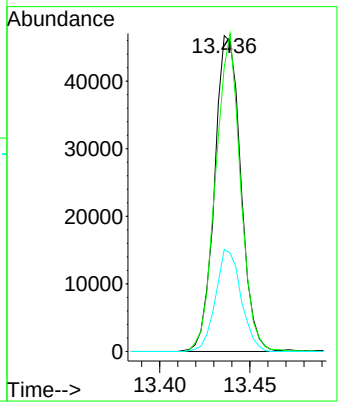




#81
1,2,4-Trichlorobenzene
Concen: 1.047 ppbv
RT: 13.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:180 Resp: 47040

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.1	112.7
184	31.4	24.4	36.6



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

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

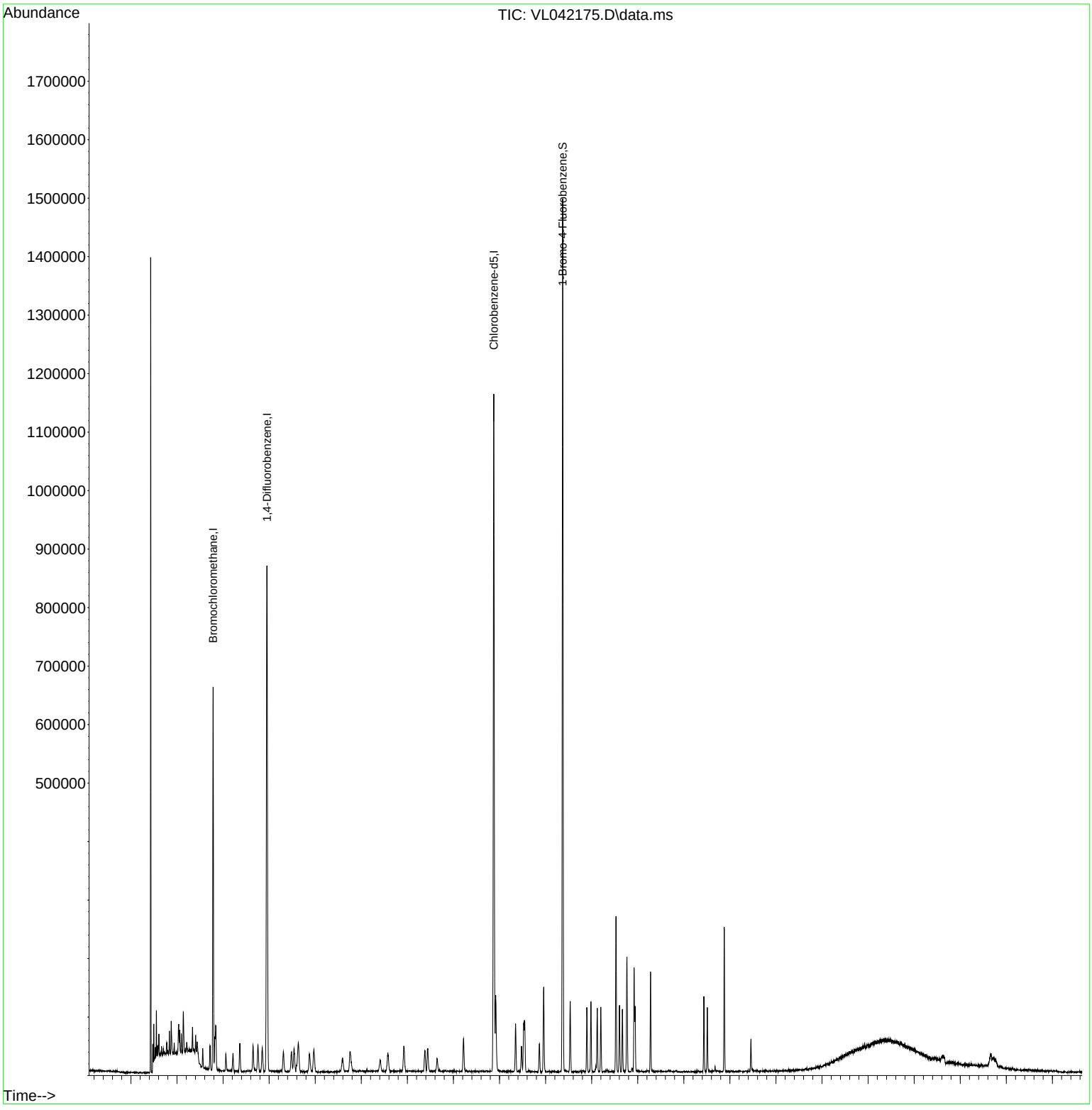
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

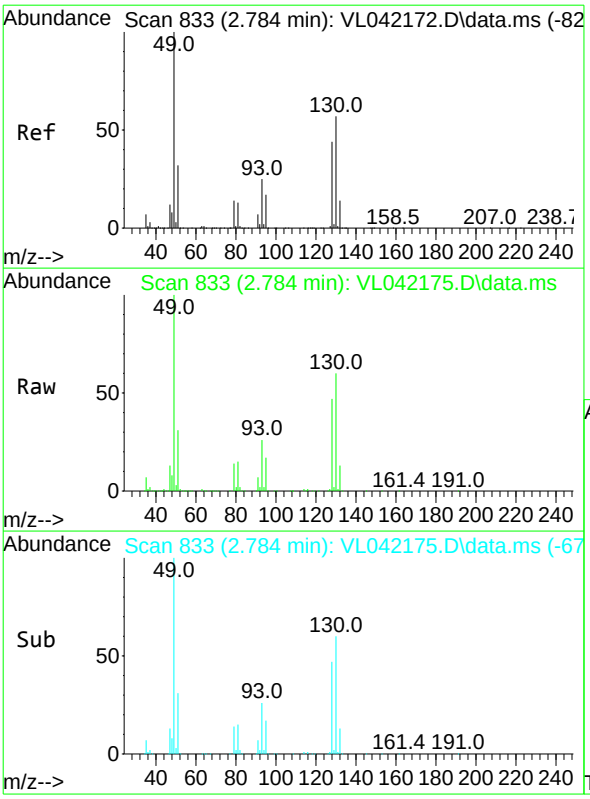
Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

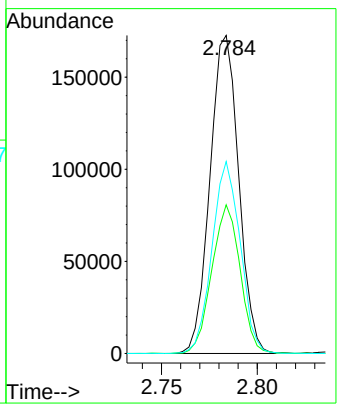




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 83
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 49 Resp: 180502

Ion	Ratio	Lower	Upper
49	100		
128	46.1	22.9	68.5
130	59.2	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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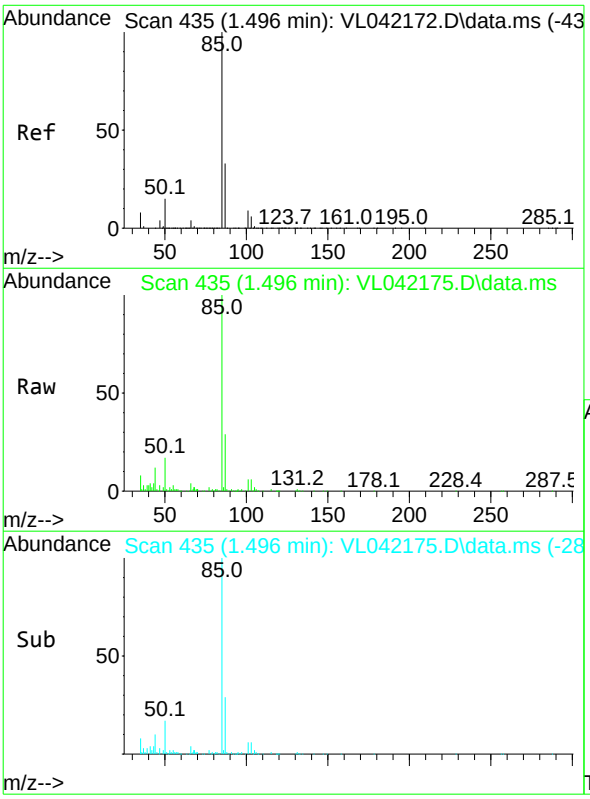
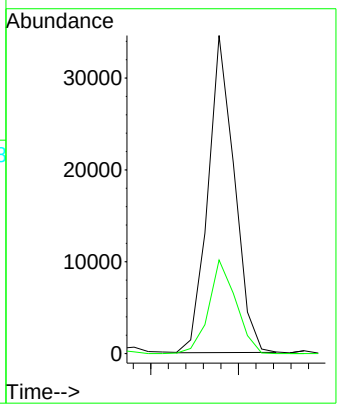
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

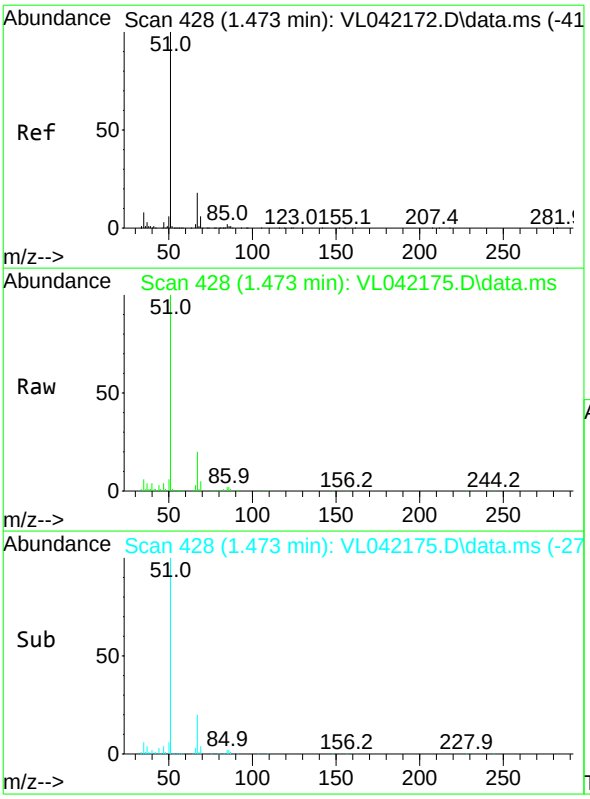


#2
Dichlorodifluoromethane
Concen: 0.542 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 85 Resp: 14455

Ion	Ratio	Lower	Upper
85	100		
87	29.5	26.1	39.1

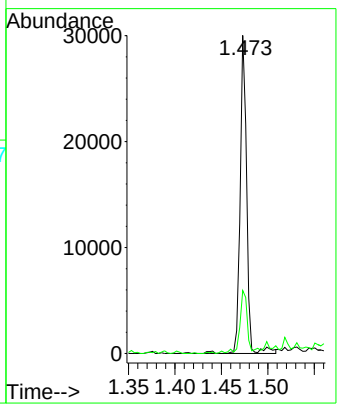




#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 1.473 min Scan# 42
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 51 Resp: 14637

Ion	Ratio	Lower	Upper
51	100		
67	23.6	15.0	22.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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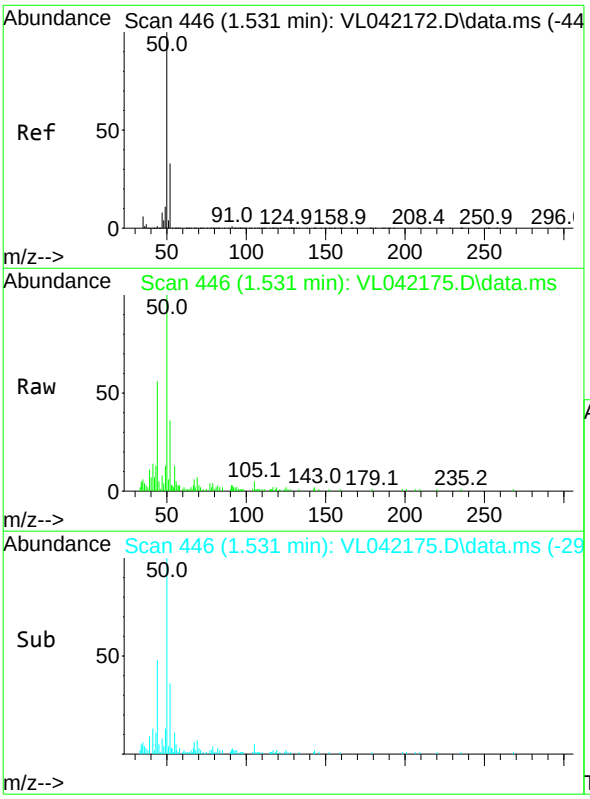
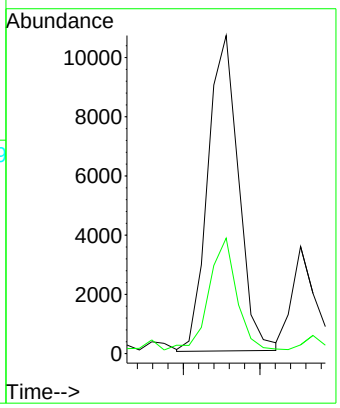
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

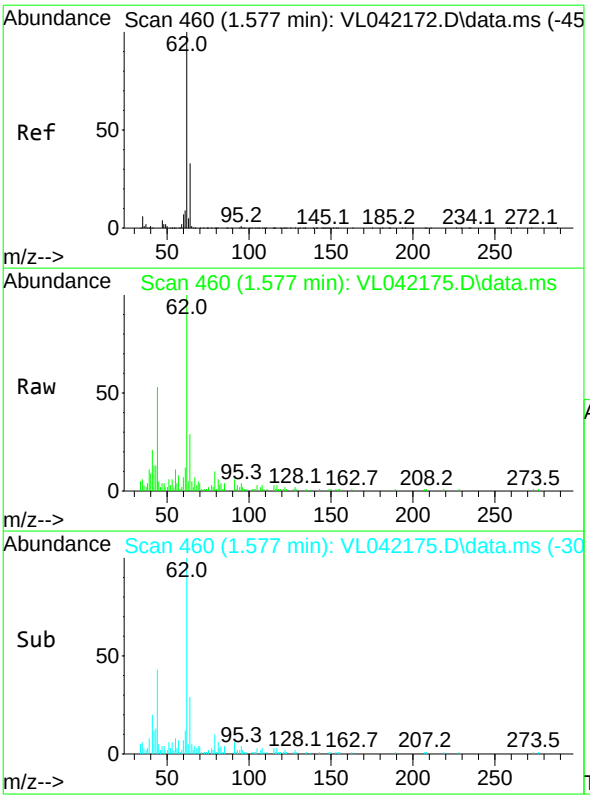


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 50 Resp: 5956

Ion	Ratio	Lower	Upper
50	100		
52	36.1	26.1	39.1

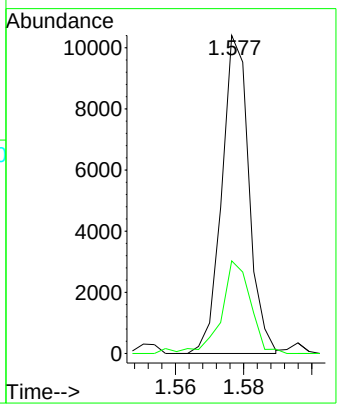




#5
Vinyl Chloride
Concen: 0.516 ppbv
RT: 1.577 min Scan# 46
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 62 Resp: 5732

Ion	Ratio	Lower	Upper
62	100		
64	28.5	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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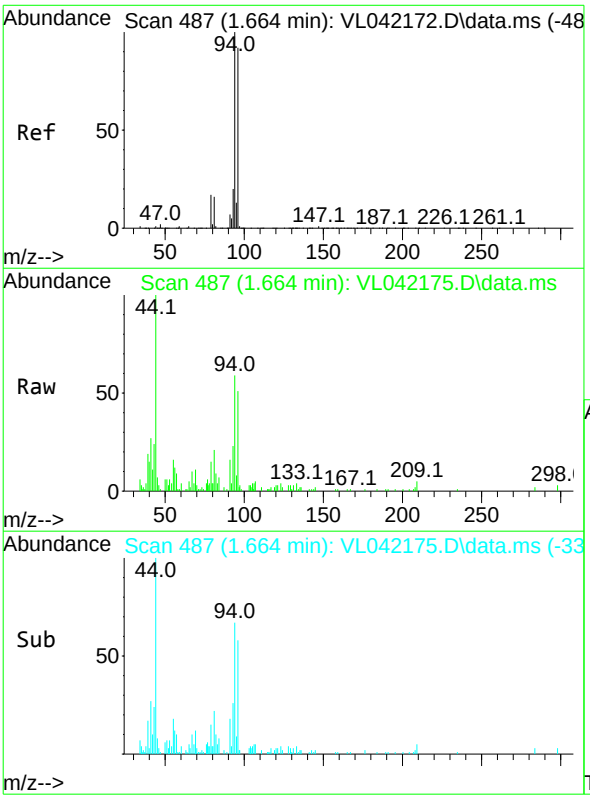
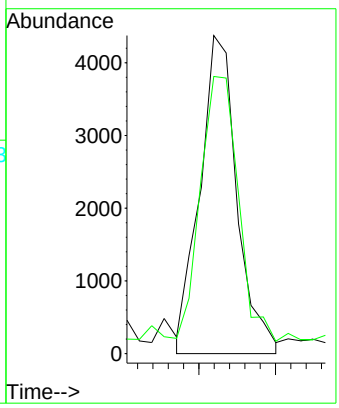
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

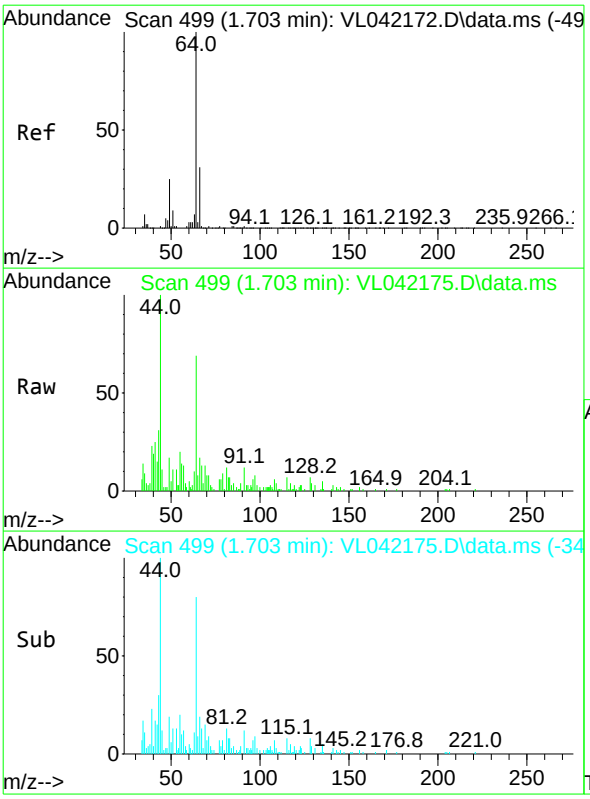


#6
Bromomethane
Concen: 0.597 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 94 Resp: 2949

Ion	Ratio	Lower	Upper
94	100		
96	86.2	73.1	109.7

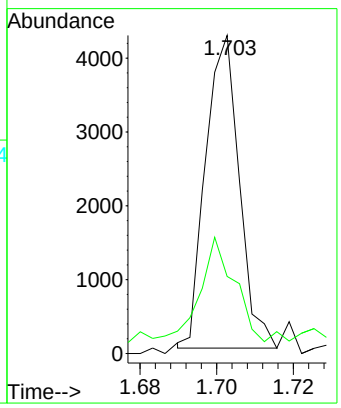




#7
Chloroethane
Concen: 0.591 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 64 Resp: 2582

Ion	Ratio	Lower	Upper
64	100		
66	24.2	25.2	37.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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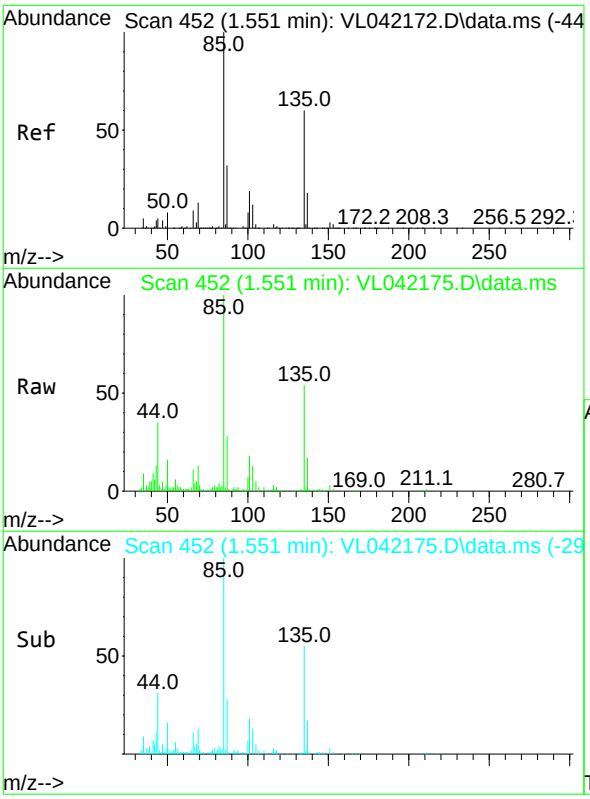
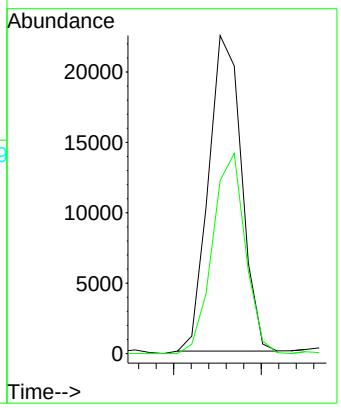
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

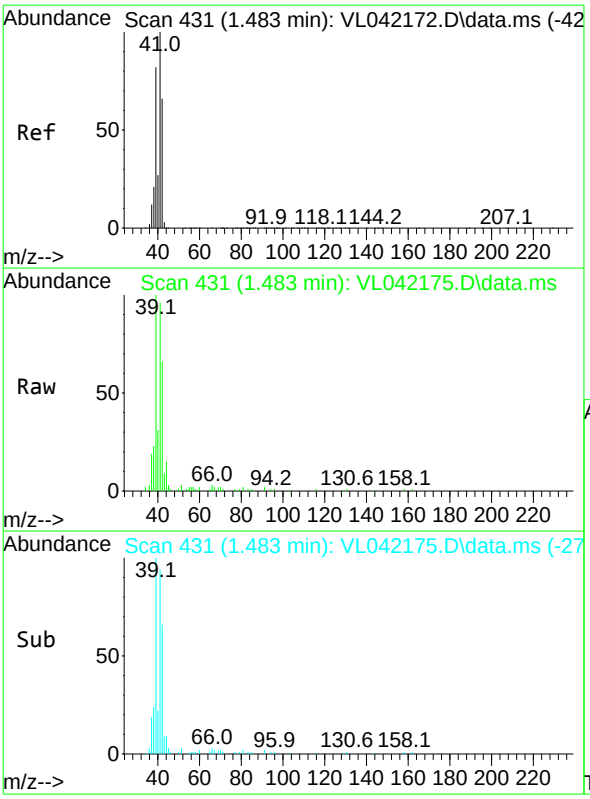


#8
Dichlorotetrafluoroethane
Concen: 0.519 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 85 Resp: 11783

Ion	Ratio	Lower	Upper
85	100		
135	63.7	52.4	78.6





#9
Propene
Concen: 0.540 ppbv m
RT: 1.483 min Scan# 43
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 41 Resp: 6622

Ion	Ratio	Lower	Upper
41	100		
42	19.5	55.4	83.2#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

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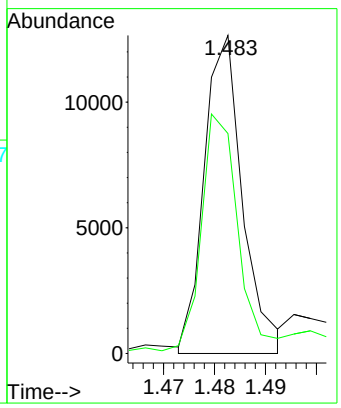
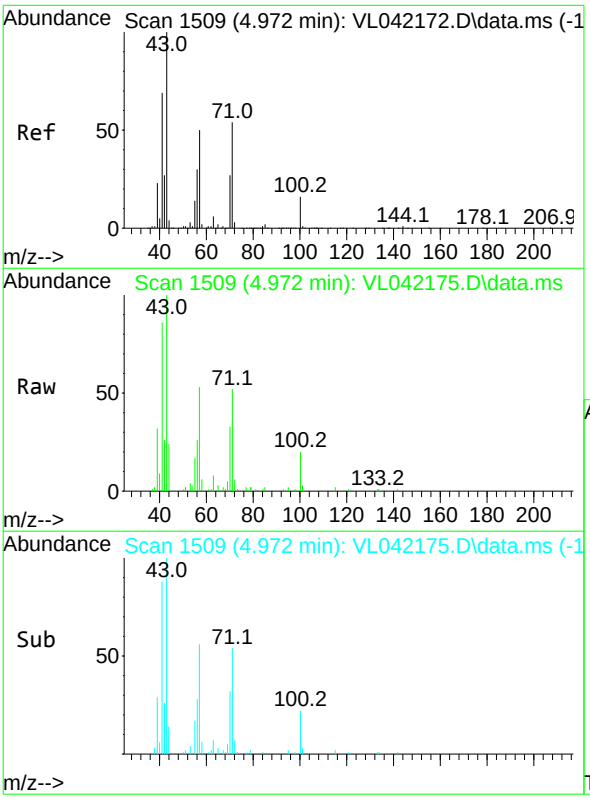
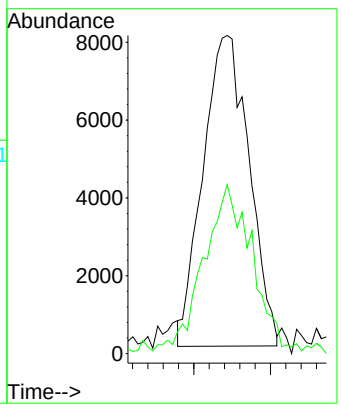


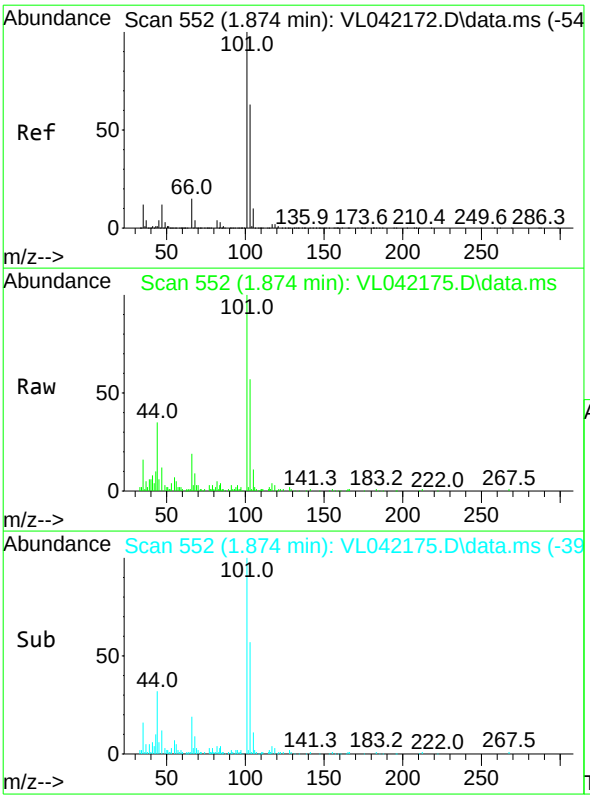


#10
Heptane
Concen: 0.502 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 16673

Ion	Ratio	Lower	Upper
43	100		
57	57.0	39.4	59.2





#11
Trichlorofluoromethane
Concen: 0.544 ppbv
RT: 1.874 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:101 Resp: 14099

Ion	Ratio	Lower	Upper
101	100		
103	56.3	50.2	75.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

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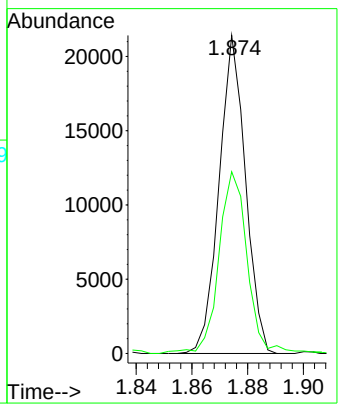
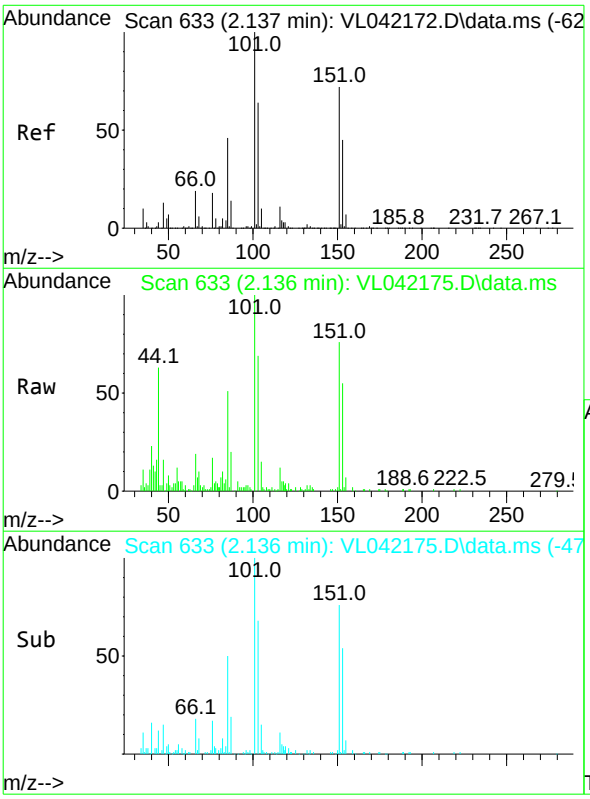
Supervised By :Mahesh Dadoda 04/03/2025

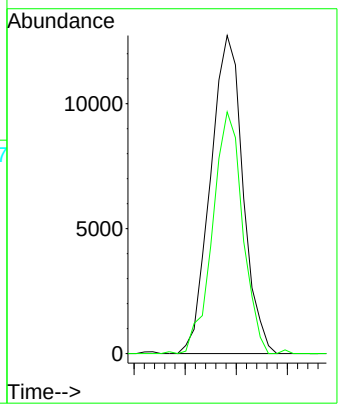


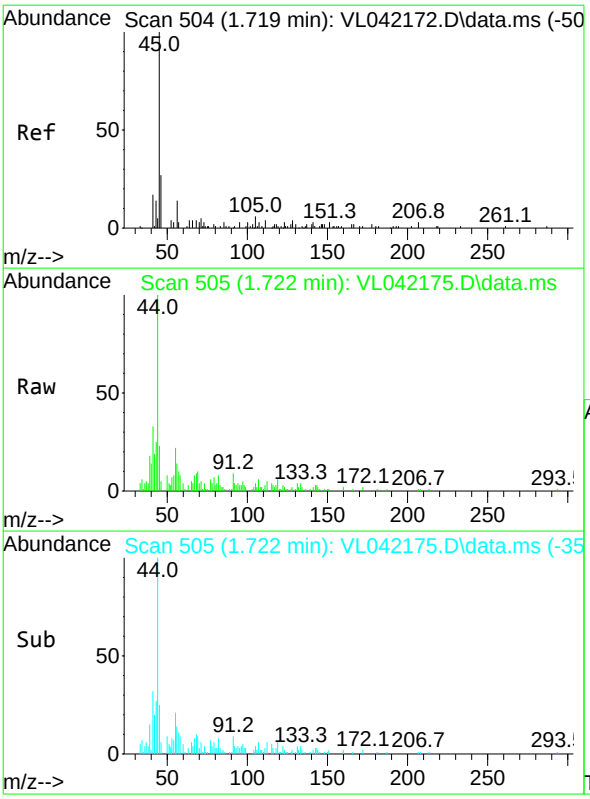


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.528 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:101 Resp: 11252

Ion	Ratio	Lower	Upper
101	100		
151	70.6	57.1	85.7

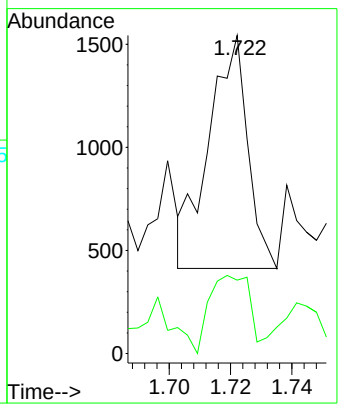




#13
Ethanol
Concen: 1.038 ppbv
RT: 1.722 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 45 Resp: 997

Ion	Ratio	Lower	Upper
45	100		
46	94.5	20.2	80.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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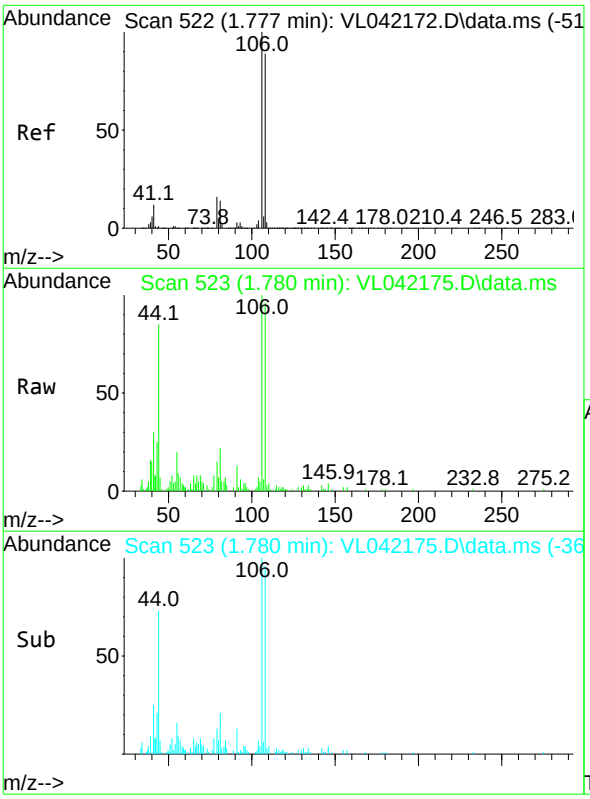
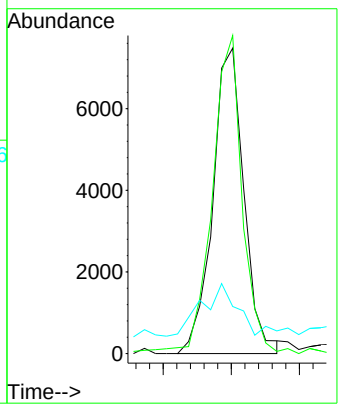
Supervised By :Mahesh Dadoda 04/03/2025

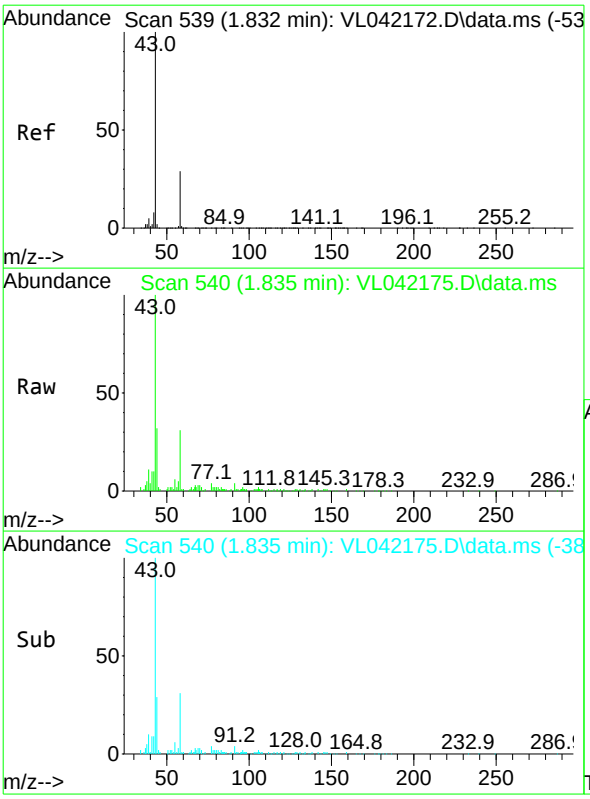


#14
Bromoethene
Concen: 0.584 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:108 Resp: 4770

Ion	Ratio	Lower	Upper
108	100		
106	101.3	86.8	130.2
79	42.6	15.0	22.6#

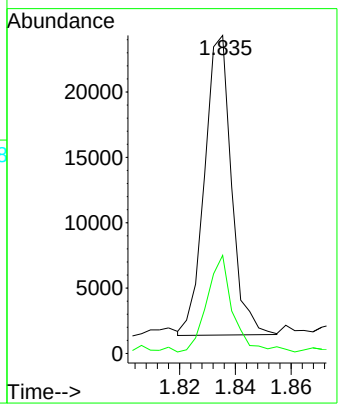




#15
Acetone
Concen: 0.607 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 15331

Ion	Ratio	Lower	Upper
43	100		
58	37.1	23.2	34.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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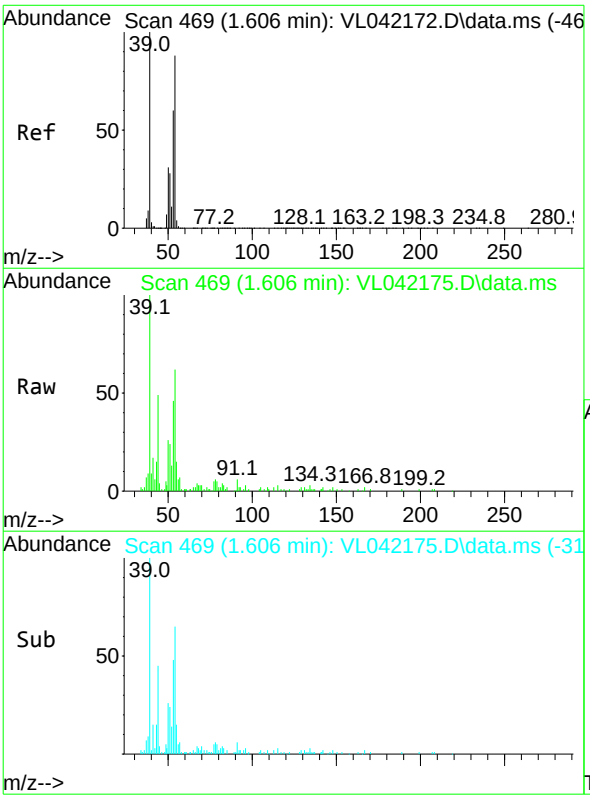
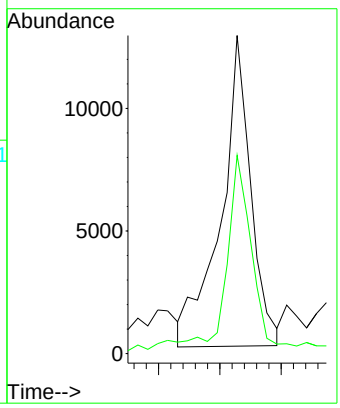
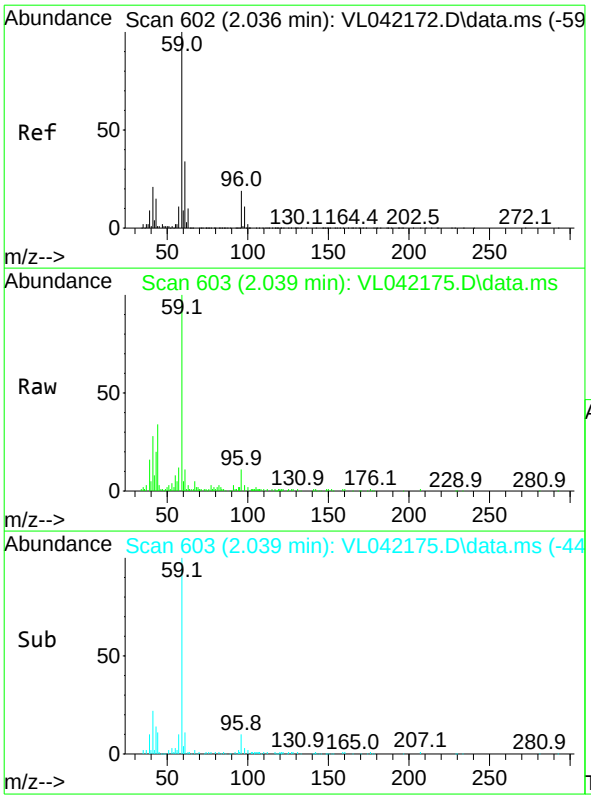


#16
1,3-Butadiene
Concen: 0.757 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 39 Resp: 8594

Ion	Ratio	Lower	Upper
39	100		
54	60.7	60.7	91.1

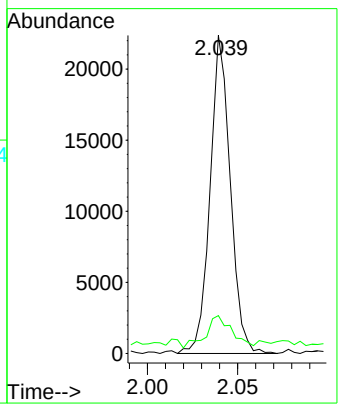




#17
tert-Butyl alcohol
Concen: 0.556 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 59 Resp: 17467

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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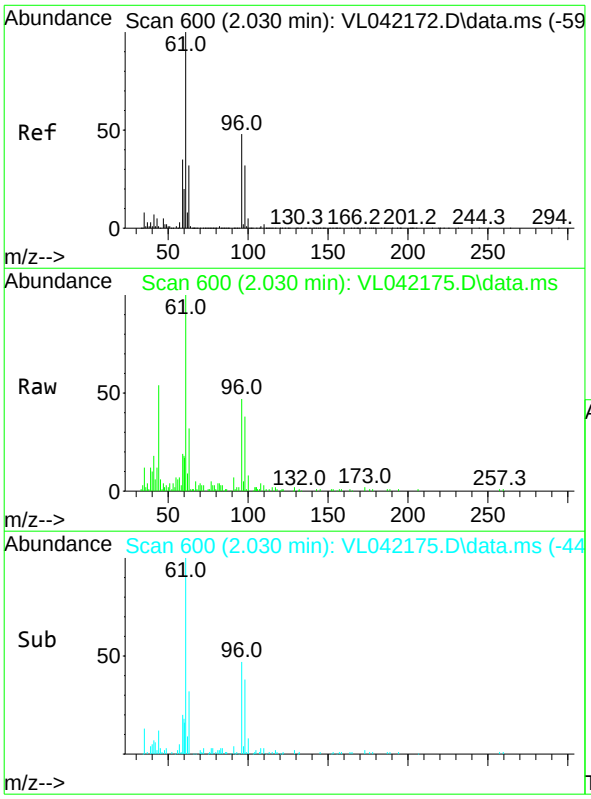
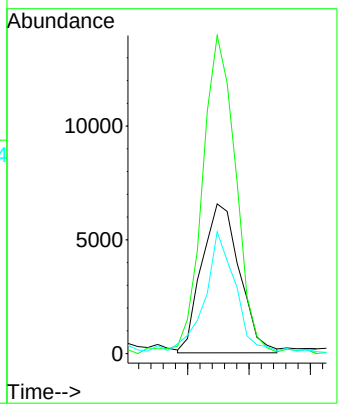
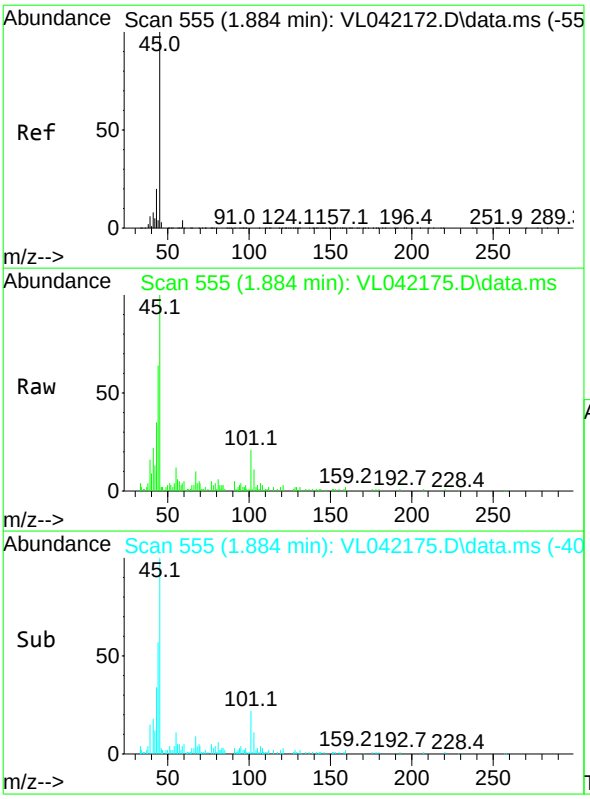


#18
1,1-Dichloroethene
Concen: 0.565 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 96 Resp: 5634

Ion	Ratio	Lower	Upper
96	100		
61	216.6	167.6	251.4
98	81.2	53.5	80.3#





#19
Isopropyl Alcohol
Concen: 0.644 ppbv
RT: 1.884 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 45 Resp: 9171

Ion	Ratio	Lower	Upper
45	100		
58	5.5	36.9	55.3#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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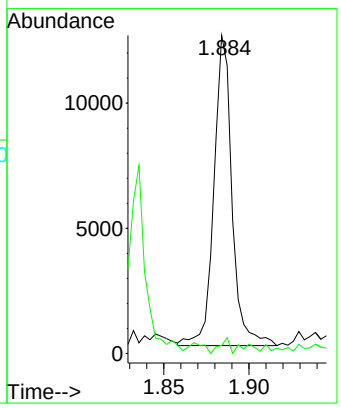
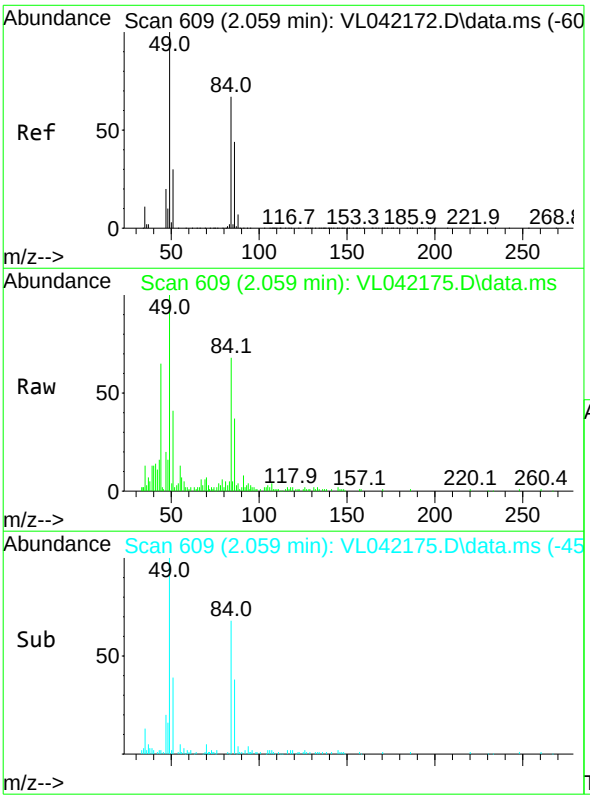
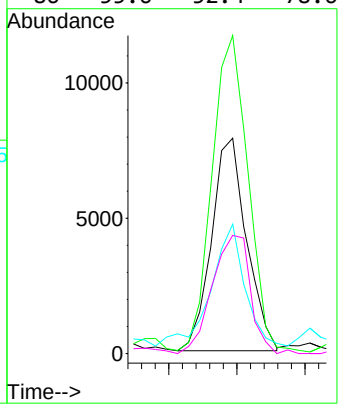


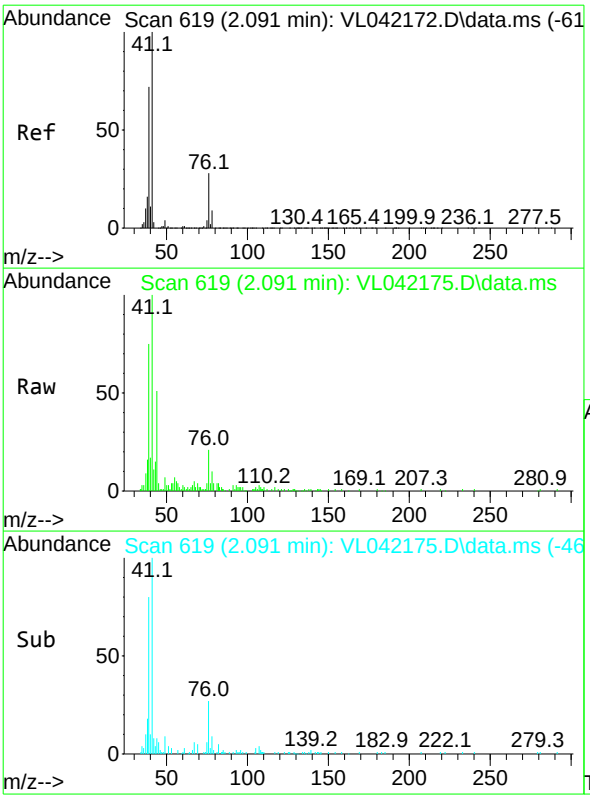


#20
Methylene Chloride
Concen: 0.599 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 84 Resp: 5634

Ion	Ratio	Lower	Upper
84	100		
49	148.1	120.2	180.4
51	56.1	37.4	56.0#
86	55.6	52.4	78.6





#21
Allyl Chloride
Concen: 0.541 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 41 Resp: 9632

Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.1	36.1
39	88.9	61.1	91.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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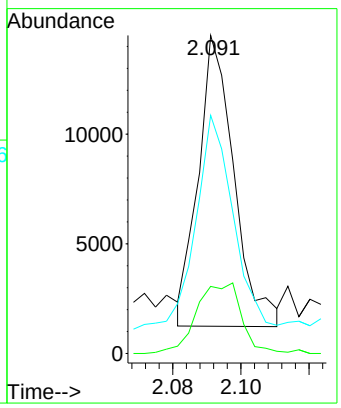
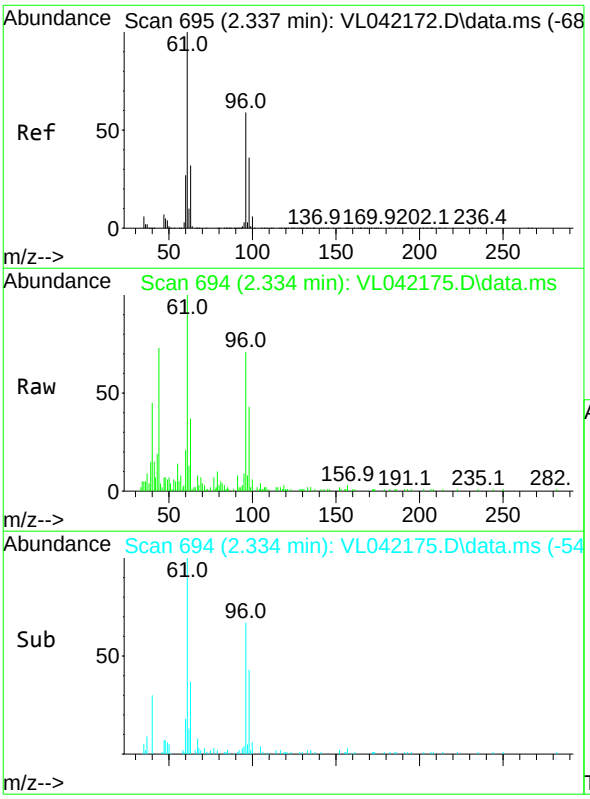
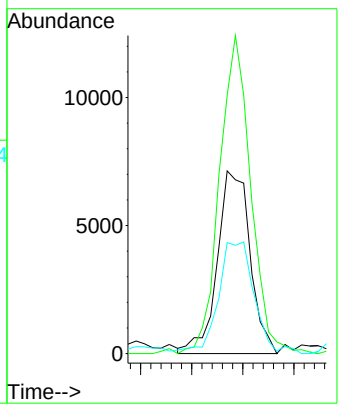


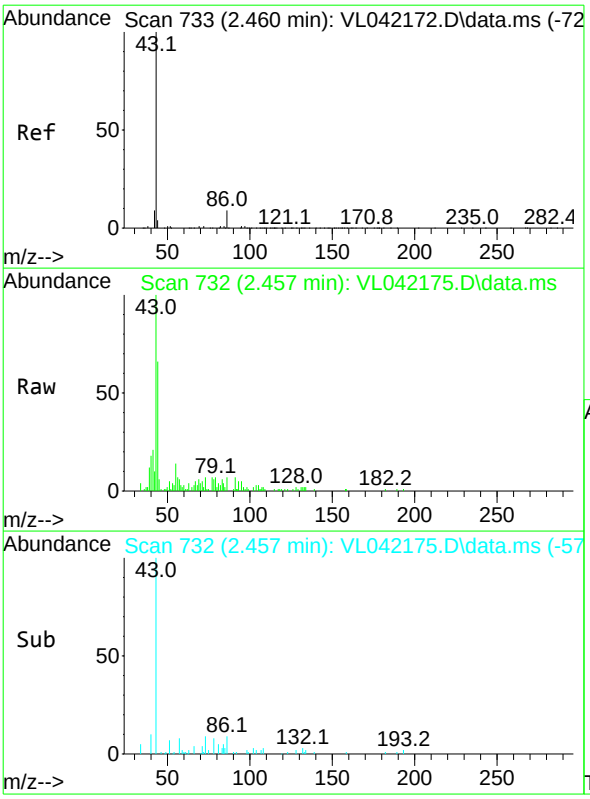


#22
trans-1,2-Dichloroethene
Concen: 0.546 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 96 Resp: 6353

Ion	Ratio	Lower	Upper
96	100		
61	141.3	136.6	204.8
98	59.4	49.4	74.2

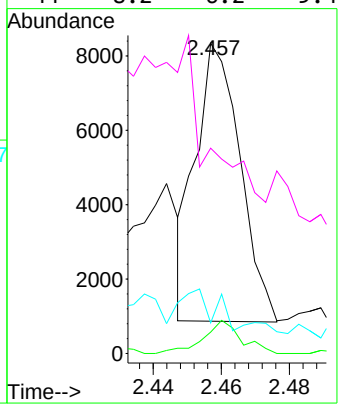




#23
Vinyl Acetate
Concen: 0.649 ppbv
RT: 2.457 min Scan# 73
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 6809

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.5	8.3
42	3.2	8.6	13.0#
44	8.2	6.2	9.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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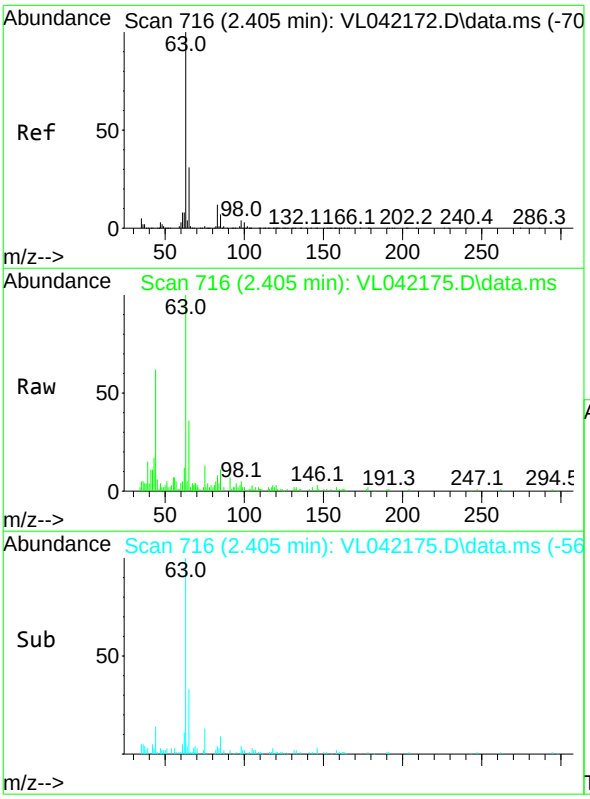
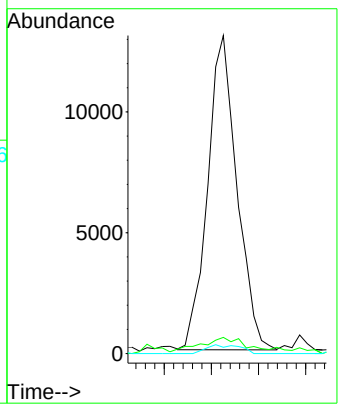
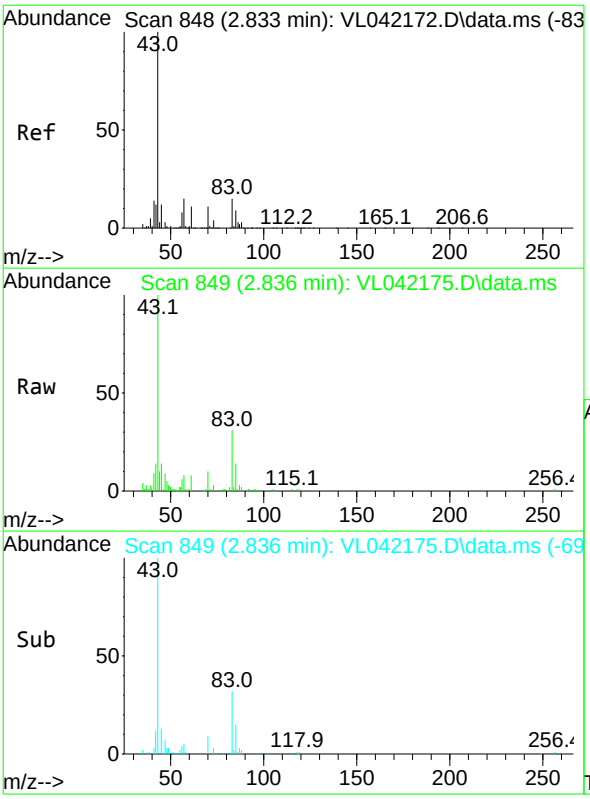


#24
1,1-Dichloroethane
Concen: 0.527 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 63 Resp: 11258

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.3	6.8
100	2.0	1.6	4.7

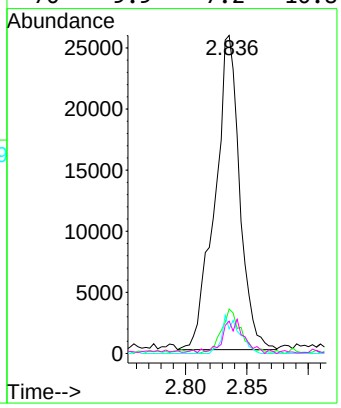




#25
Ethyl Acetate
Concen: 0.553 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 36258

Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.2	12.2
61	8.3	7.3	10.9
70	9.9	7.2	10.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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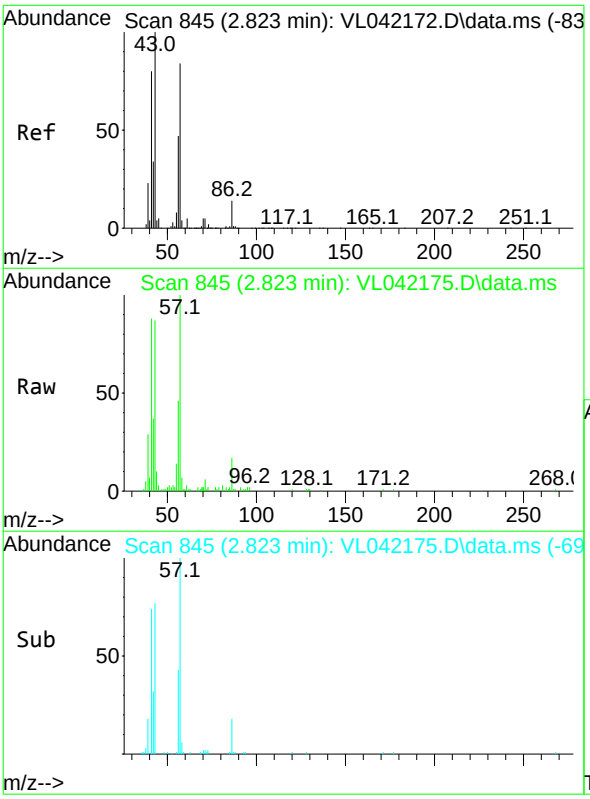
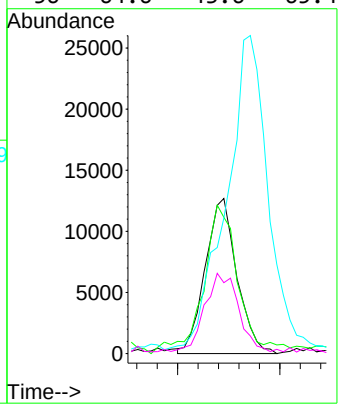
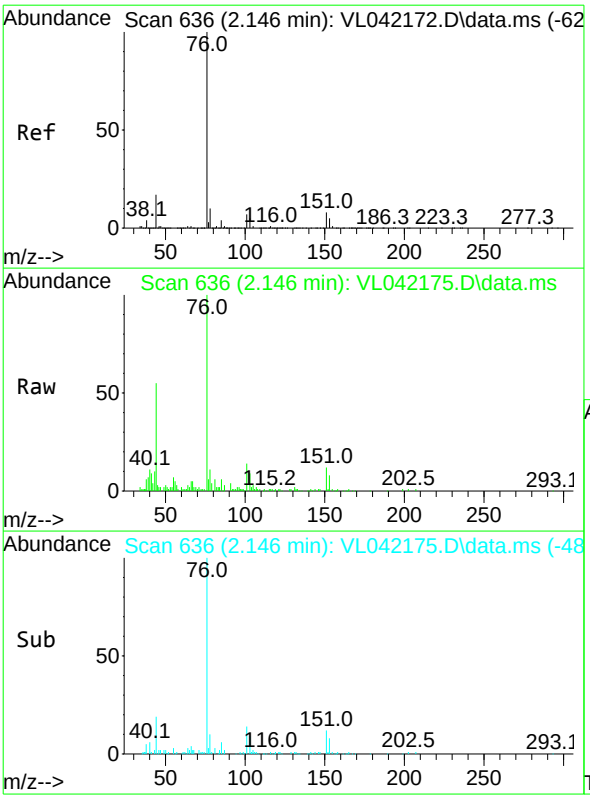


#26
Hexane
Concen: 0.538 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 57 Resp: 13605

Ion	Ratio	Lower	Upper
57	100		
41	92.1	76.6	114.8
43	273.4	207.8	311.8
56	64.6	43.6	65.4

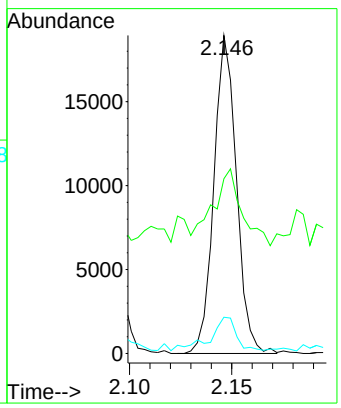




#27
Carbon Disulfide
Concen: 0.535 ppbv
RT: 2.146 min Scan# 63
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 76 Resp: 14510

Ion	Ratio	Lower	Upper
76	100		
44	115.5	14.7	22.1#
78	14.9	9.3	13.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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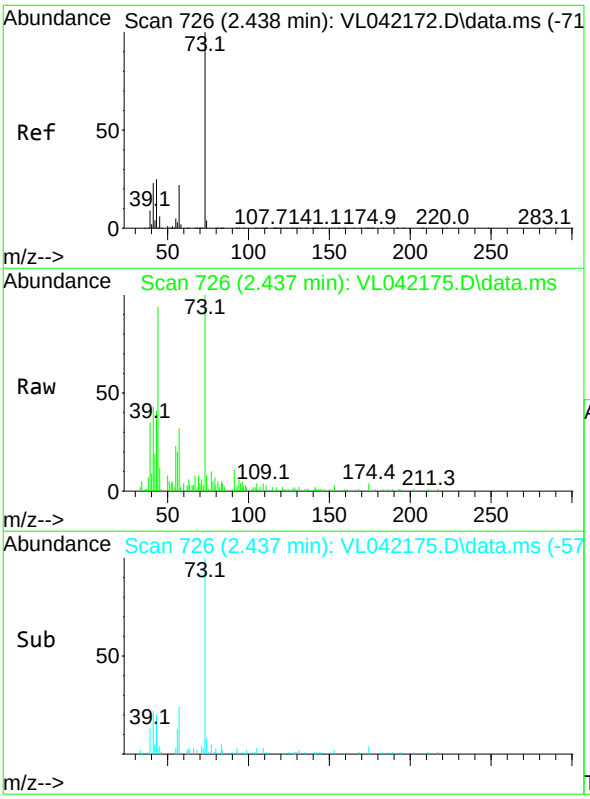
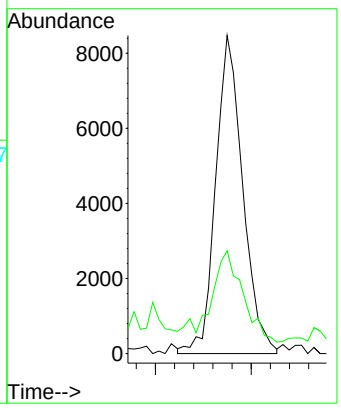
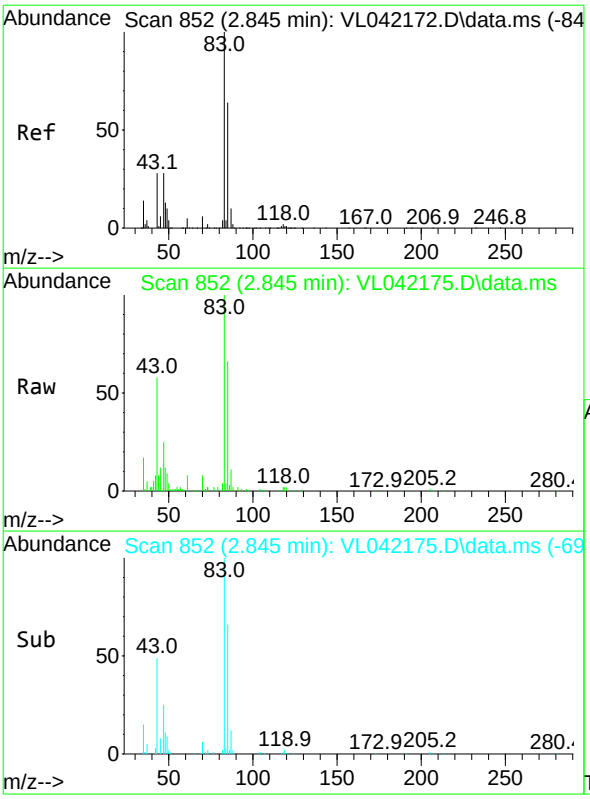


#28
Methyl tert-Butyl Ether
Concen: 0.527 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 73 Resp: 8310

Ion	Ratio	Lower	Upper
73	100		
57	31.1	20.5	30.7#





#29
Chloroform
Concen: 0.544 ppbv
RT: 2.845 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 83 Resp: 20149

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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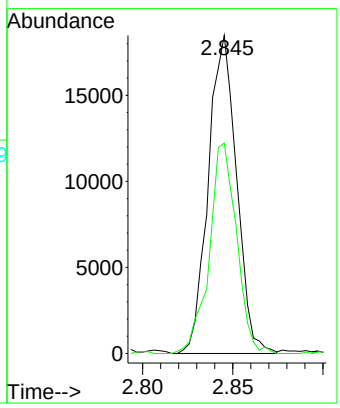
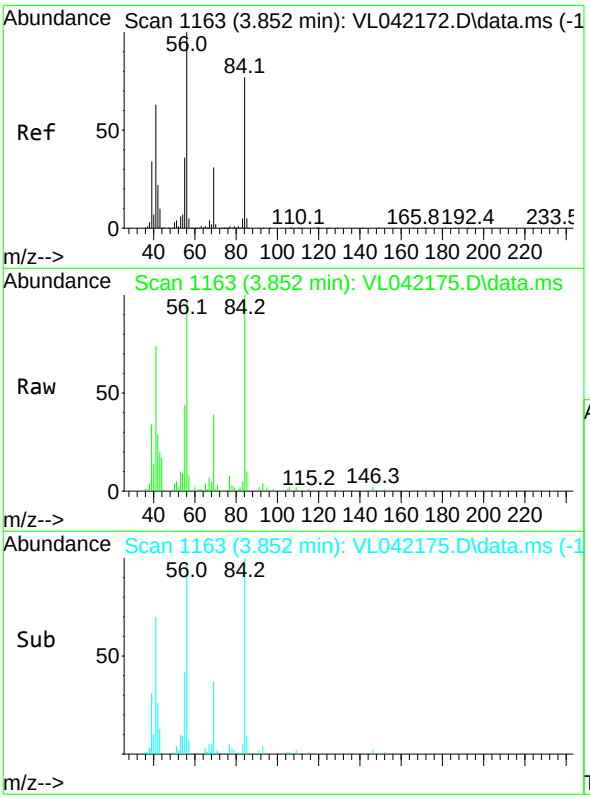
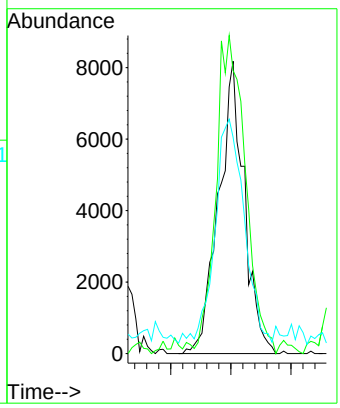


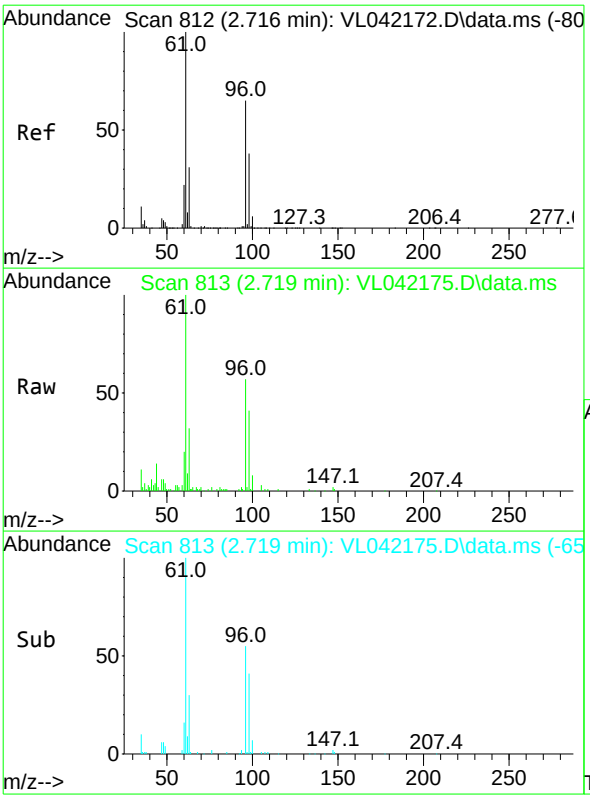


#30
Cyclohexane
Concen: 0.549 ppbv m
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 84 Resp: 12063

Ion	Ratio	Lower	Upper
84	100		
56	126.3	102.8	154.2
41	93.5	66.5	99.7

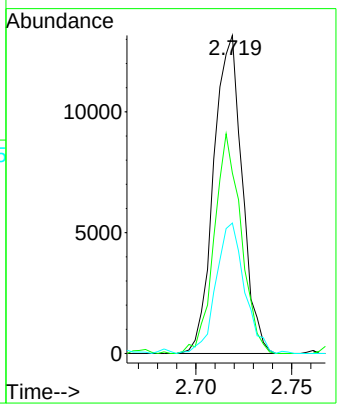




#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 61 Resp: 13601

Ion	Ratio	Lower	Upper
61	100		
96	56.8	51.8	77.8
98	41.0	30.6	46.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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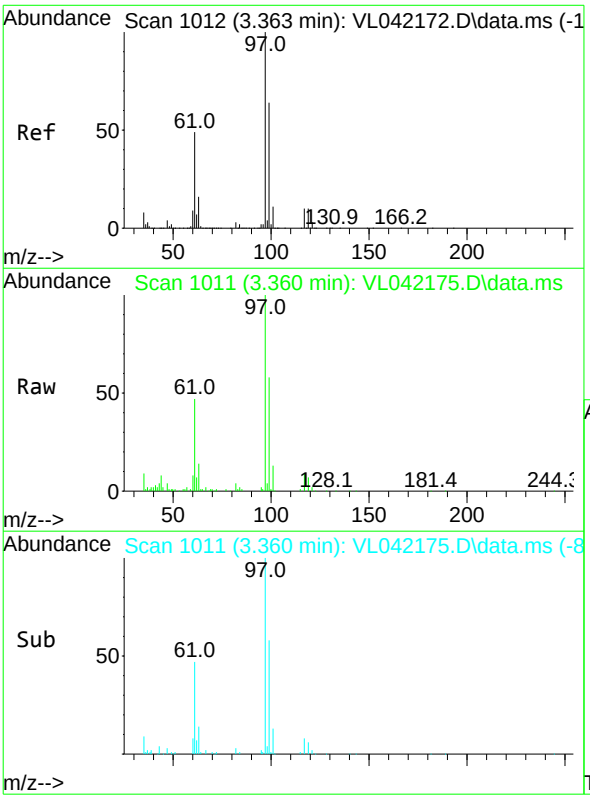
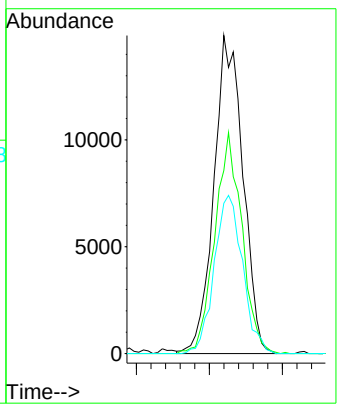
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

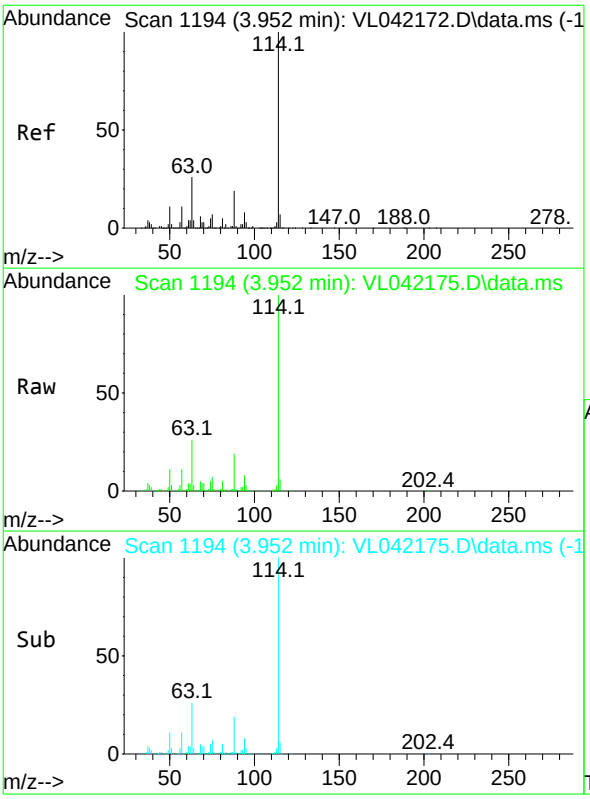


#32
1,1,1-Trichloroethane
Concen: 0.485 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 97 Resp: 20567

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	48.6	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:114 Resp: 523832

Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.7	31.1
88	19.1	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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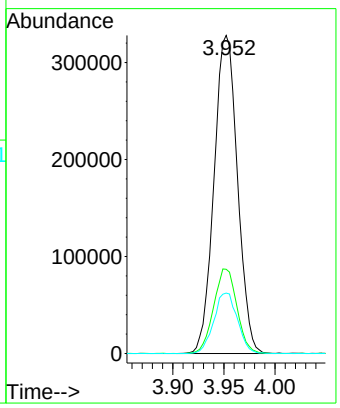
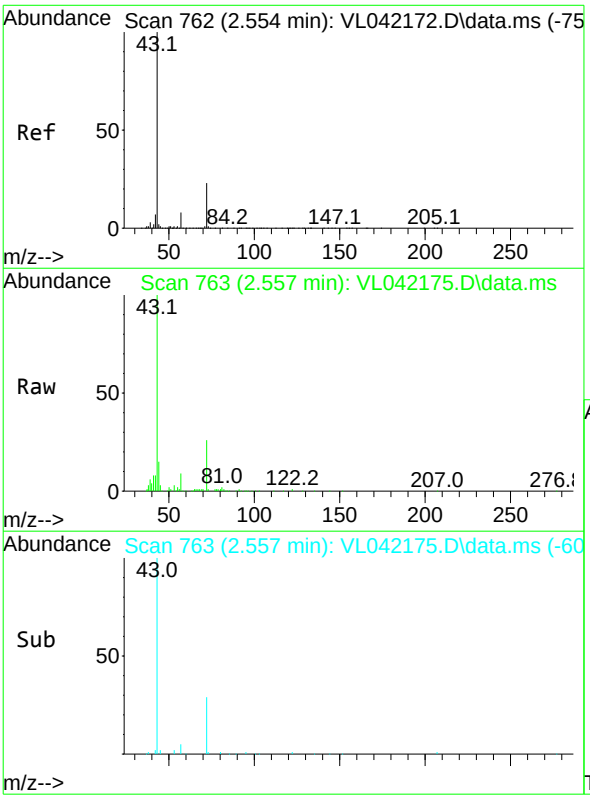
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

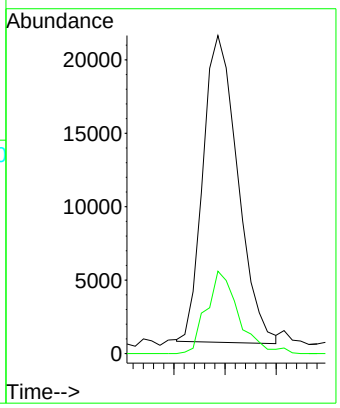


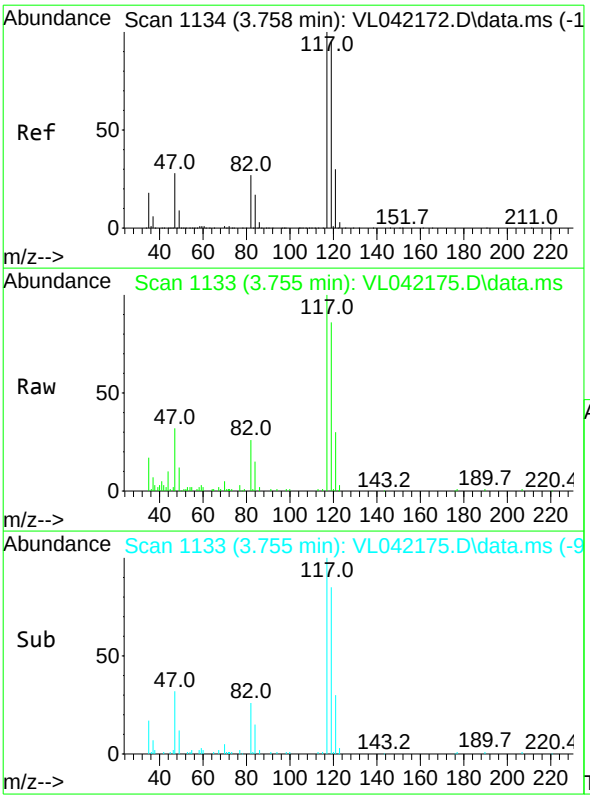


#34
2-Butanone
Concen: 0.520 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 19739

Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.2	27.2

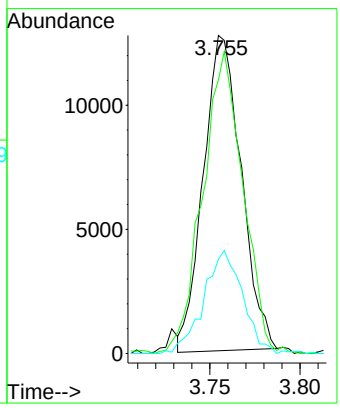




#35
Carbon Tetrachloride
Concen: 0.460 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:117 Resp: 18558

Ion	Ratio	Lower	Upper
117	100		
119	86.4	76.2	114.2
121	30.1	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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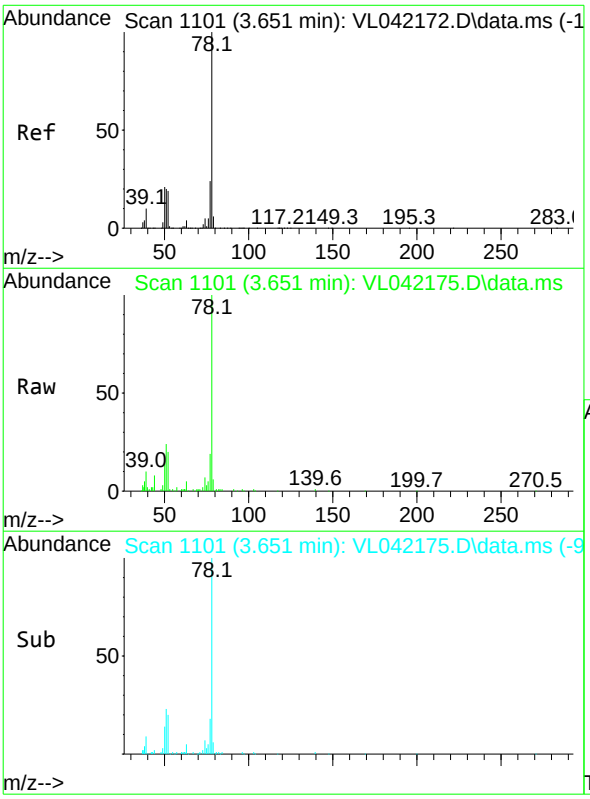
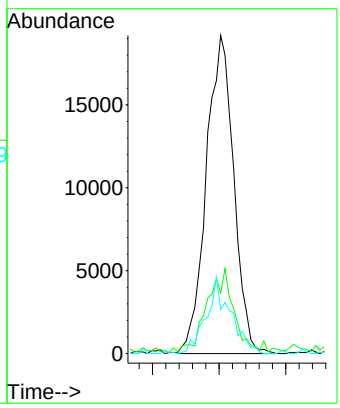
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

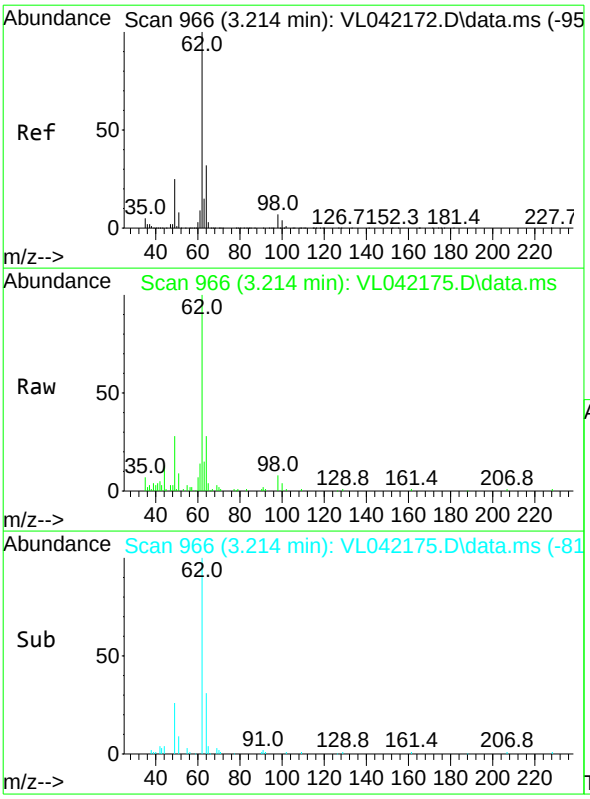


#36
Benzene
Concen: 0.529 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 78 Resp: 27488

Ion	Ratio	Lower	Upper
78	100		
77	18.5	19.1	28.7#
50	13.9	16.6	24.8#

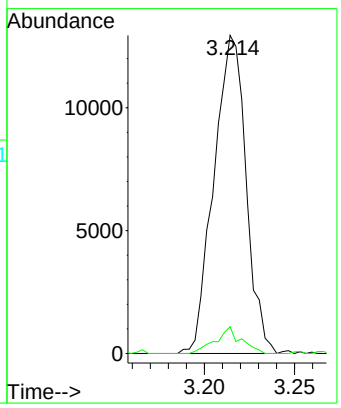




#37
1,2-Dichloroethane
Concen: 0.540 ppbv
RT: 3.214 min Scan# 96
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 62 Resp: 16062

Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.4	8.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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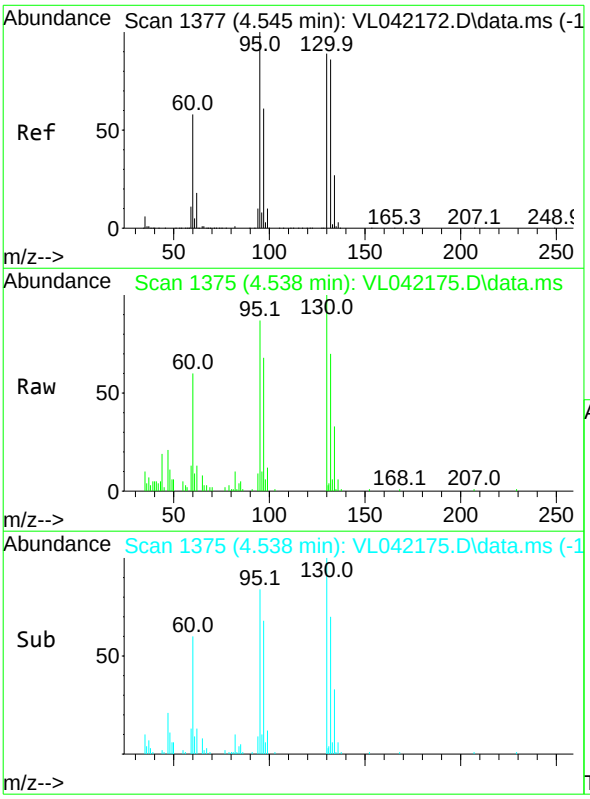
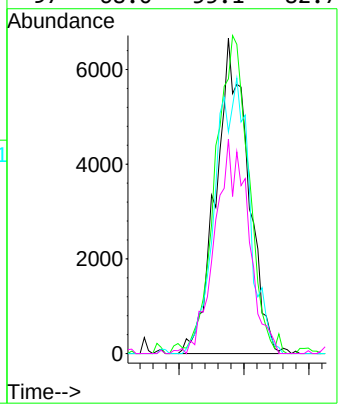
Supervised By :Mahesh Dadoda 04/03/2025

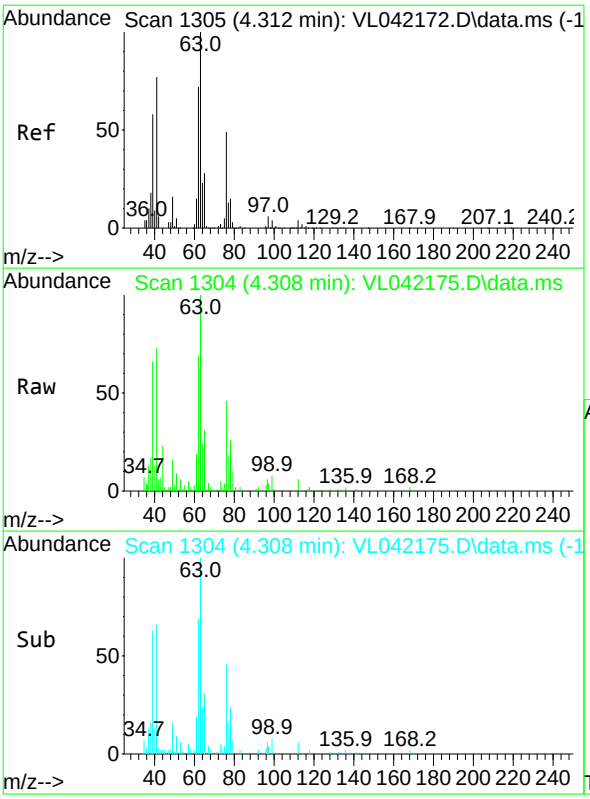


#38
Trichloroethene
Concen: 0.529 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:130 Resp: 11460

Ion	Ratio	Lower	Upper
130	100		
95	87.1	89.8	134.8#
132	70.3	77.4	116.2#
97	68.0	55.1	82.7

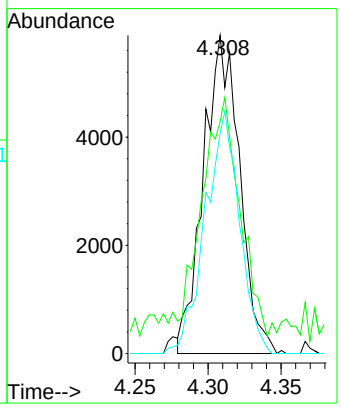




#39
1,2-Dichloropropane
Concen: 0.535 ppbv
RT: 4.308 min Scan# 13
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 63 Resp: 10123

Ion	Ratio	Lower	Upper
63	100		
41	66.4	61.7	92.5
62	69.3	57.6	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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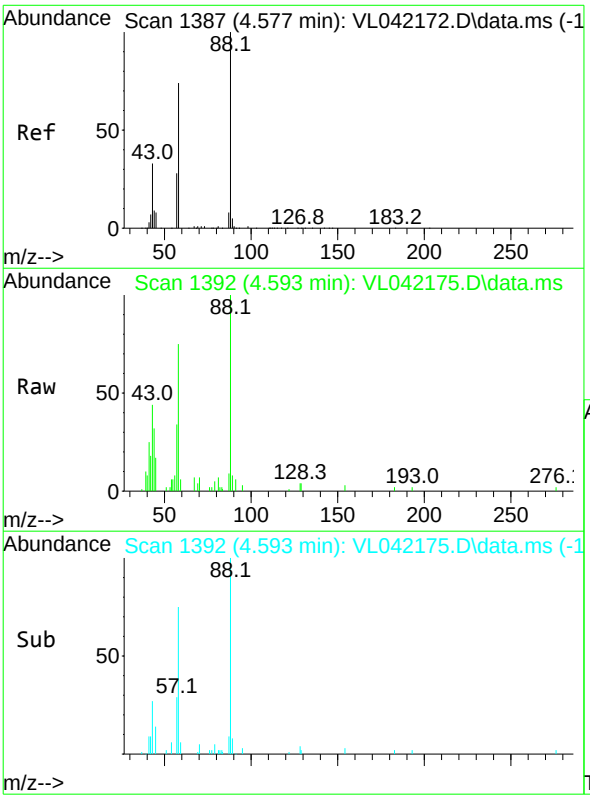
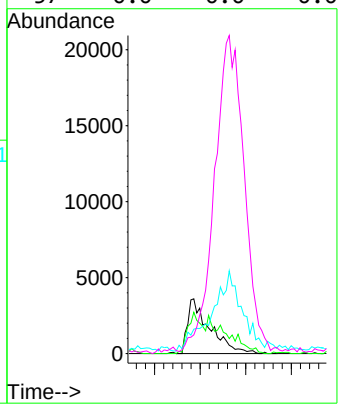
Supervised By :Mahesh Dadoda 04/03/2025

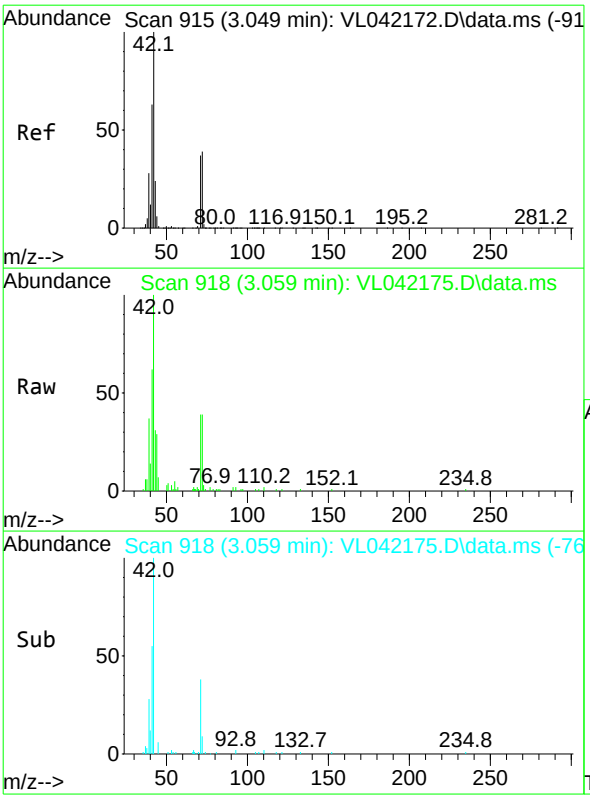


#40
1,4-Dioxane
Concen: 0.624 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.016 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 88 Resp: 6121

Ion	Ratio	Lower	Upper
88	100		
58	111.2	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0

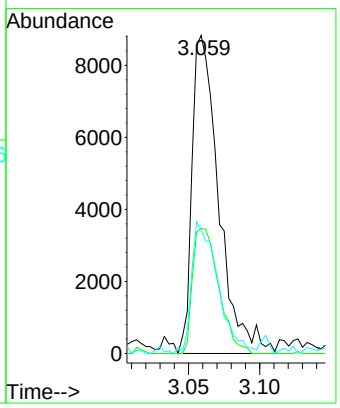




#41
Tetrahydrofuran
Concen: 0.533 ppbv m
RT: 3.059 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 42 Resp: 11509

Ion	Ratio	Lower	Upper
42	100		
72	38.4	31.4	47.0
71	40.7	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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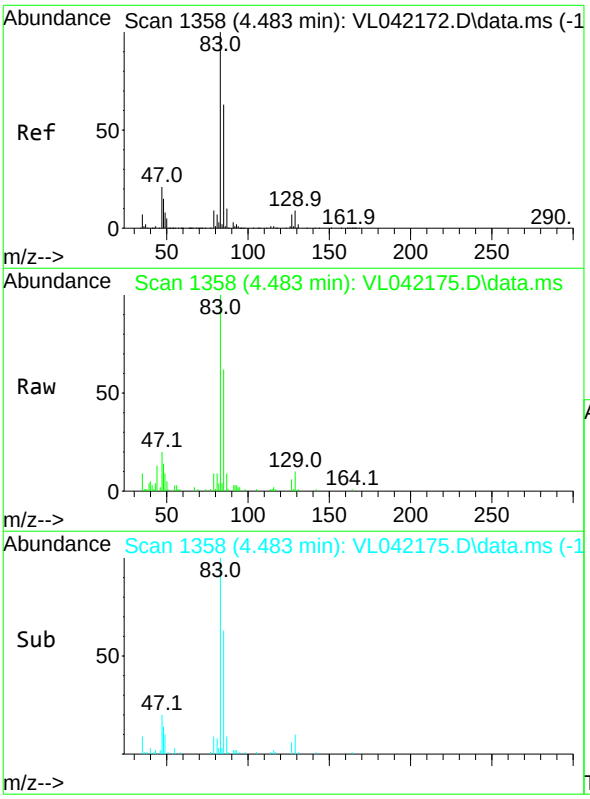
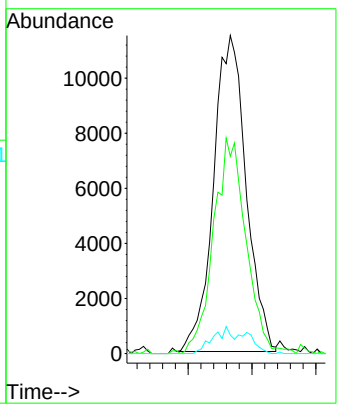
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

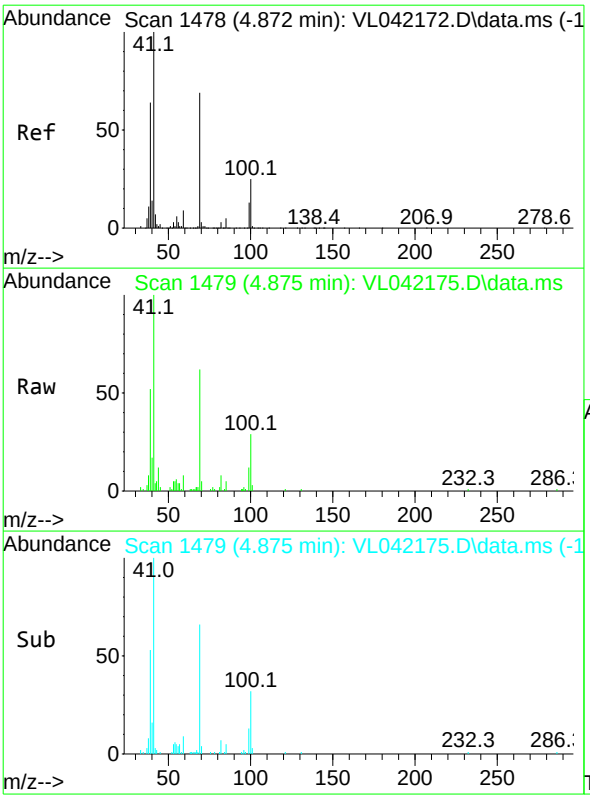


#42
Bromodichloromethane
Concen: 0.497 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 83 Resp: 20374

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.5	75.7
127	5.9	5.9	8.9#

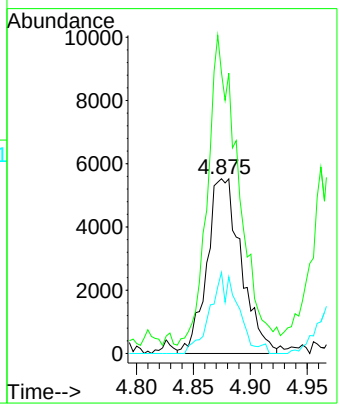




#43
Methyl Methacrylate
Concen: 0.528 ppbv m
RT: 4.875 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 69 Resp: 11583

Ion	Ratio	Lower	Upper
69	100		
41	150.3	123.8	185.6
100	37.9	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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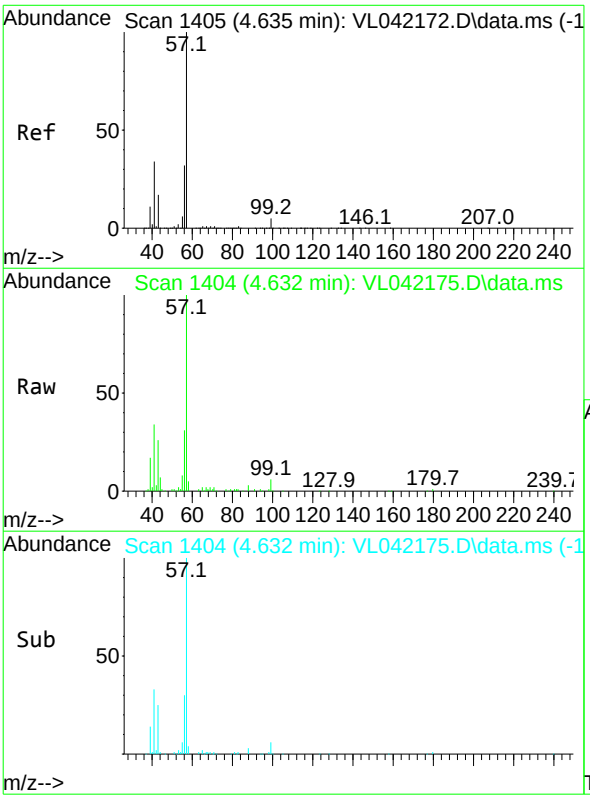
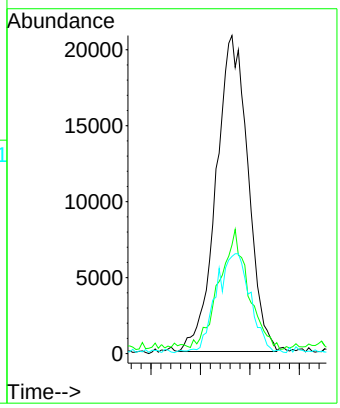
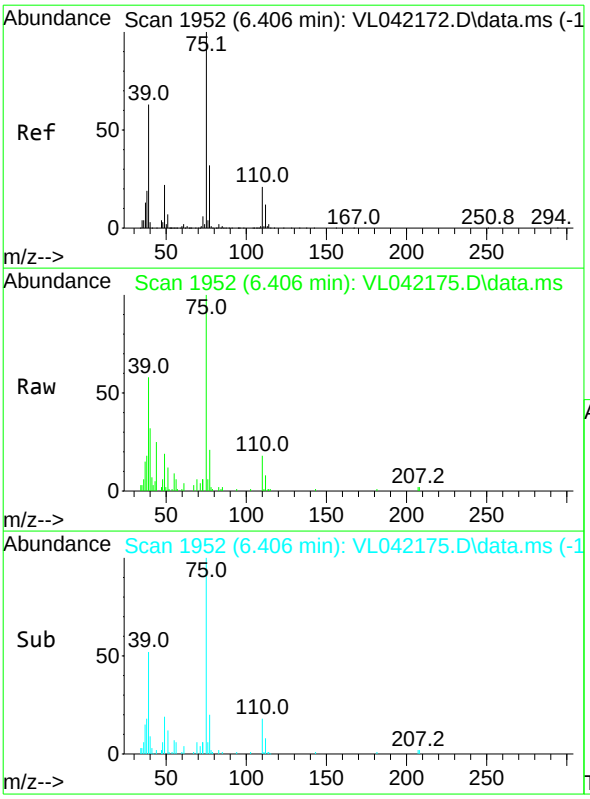


#44
2,2,4-Trimethylpentane
Concen: 0.532 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 57 Resp: 46646

Ion	Ratio	Lower	Upper
57	100		
41	36.7	26.8	40.2
56	34.3	25.6	38.4

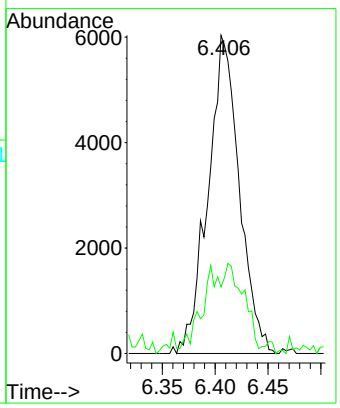




#45
t-1,3-Dichloropropene
Concen: 0.526 ppbv
RT: 6.406 min Scan# 19
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 75 Resp: 12404

Ion	Ratio	Lower	Upper
75	100		
77	20.9	26.0	39.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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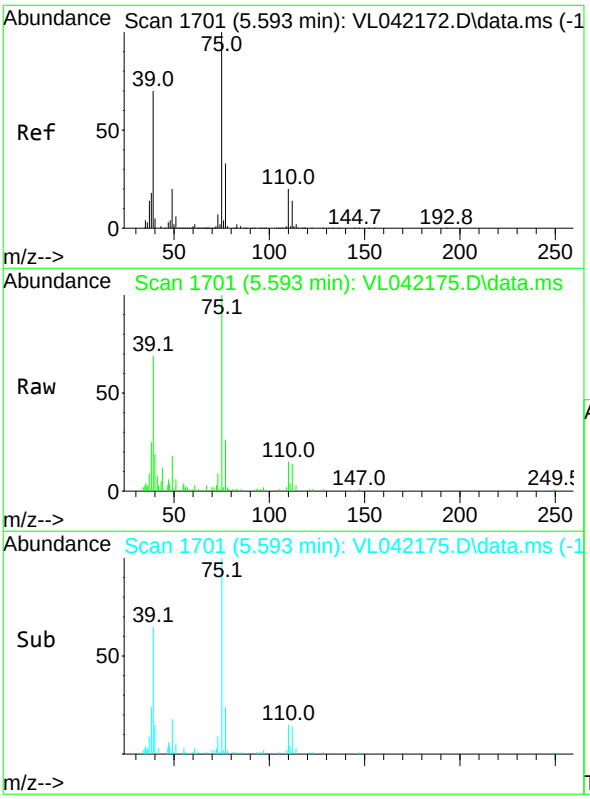
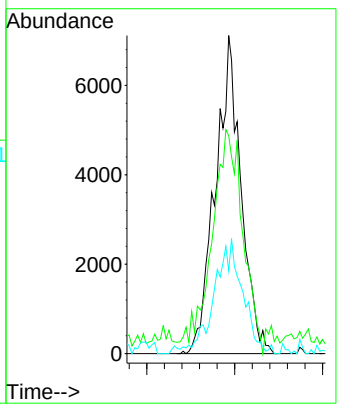
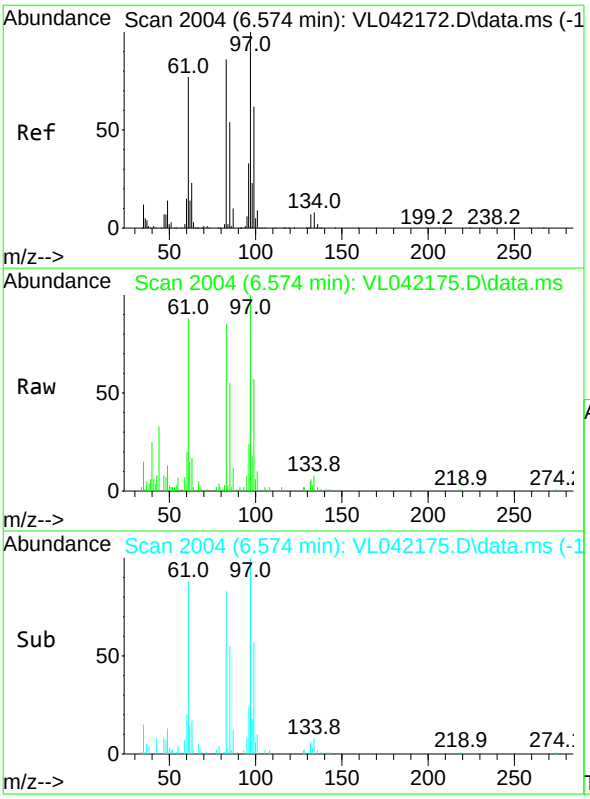


#46
cis-1,3-Dichloropropene
Concen: 0.497 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 75 Resp: 14374

Ion	Ratio	Lower	Upper
75	100		
39	68.5	55.8	83.6
77	26.1	26.0	39.0

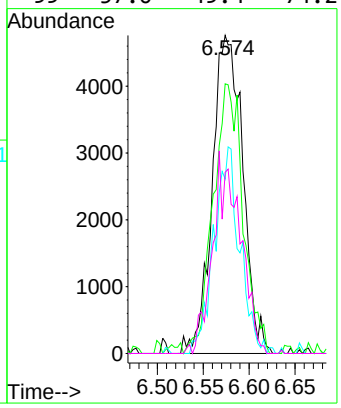




#47
1,1,2-Trichloroethane
Concen: 0.549 ppbv m
RT: 6.574 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 97 Resp: 10972

Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	54.9	43.1	64.7
99	57.0	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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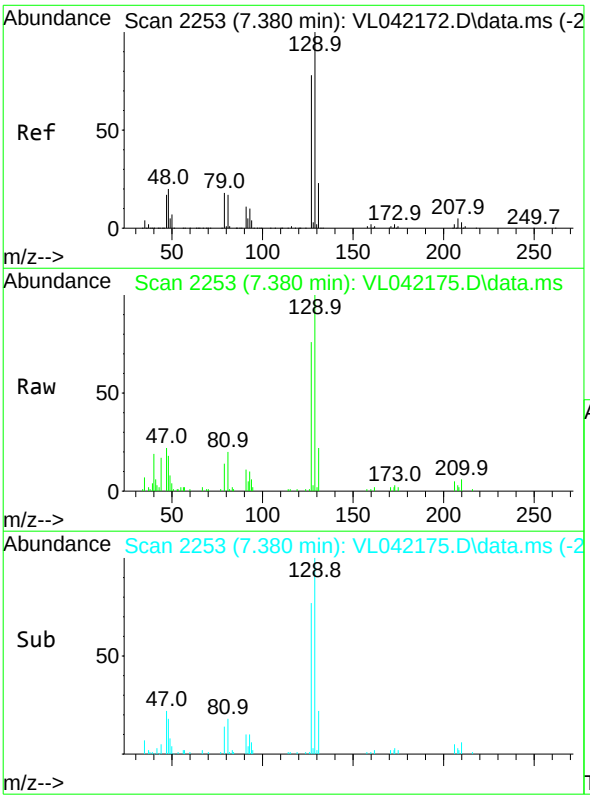
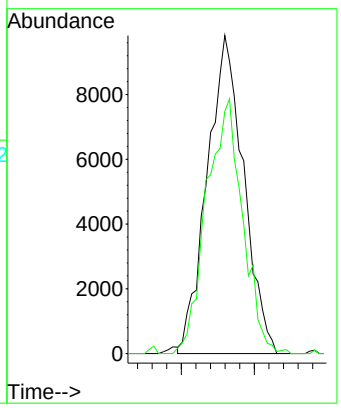
Supervised By :Mahesh Dadoda 04/03/2025

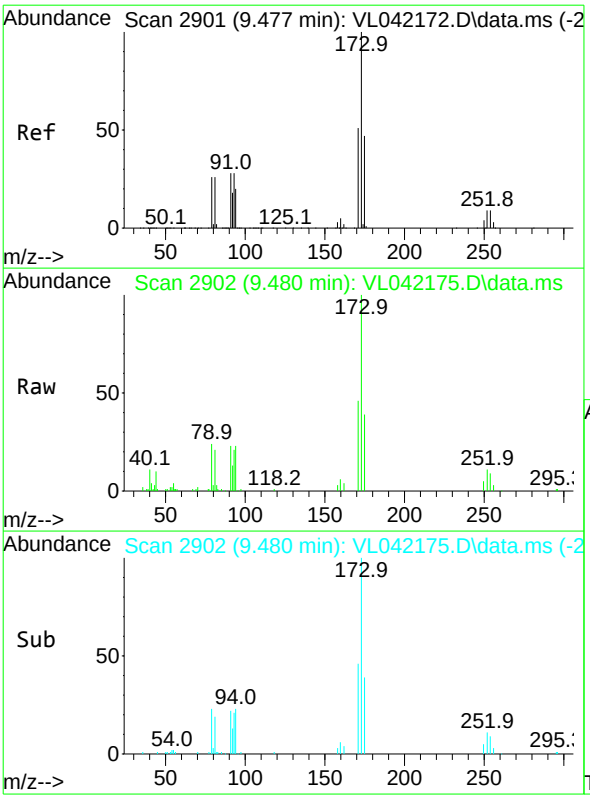


#48
Dibromochloromethane
Concen: 0.503 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:129 Resp: 17042

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.1	117.2

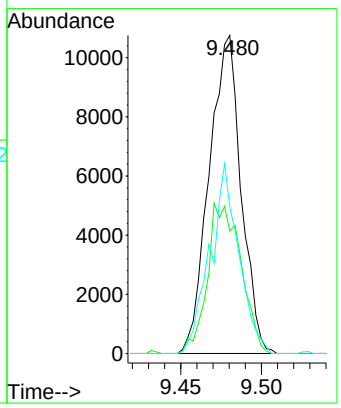




#49
Bromoform
Concen: 0.487 ppbv
RT: 9.480 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:173 Resp: 14828

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
171	53.8	41.8	62.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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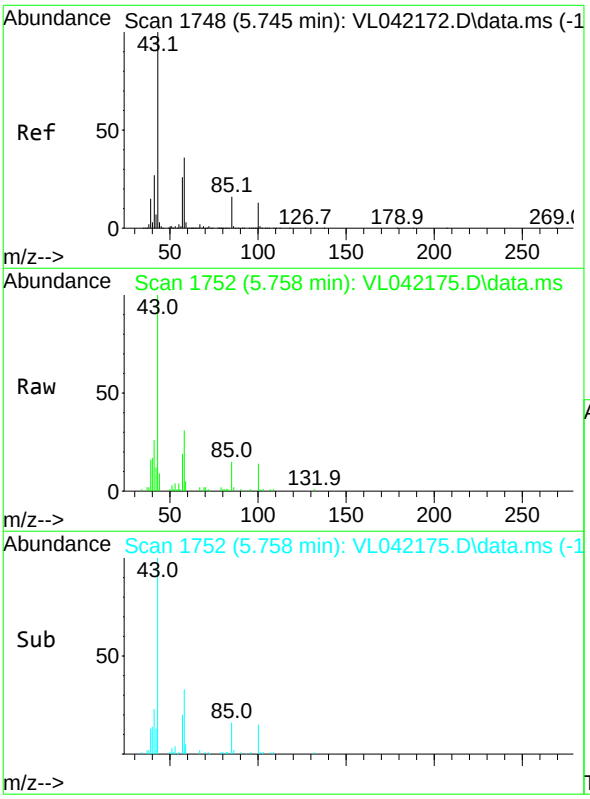
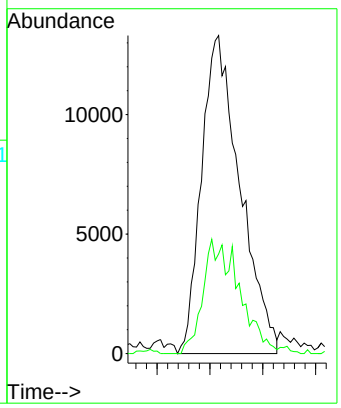
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

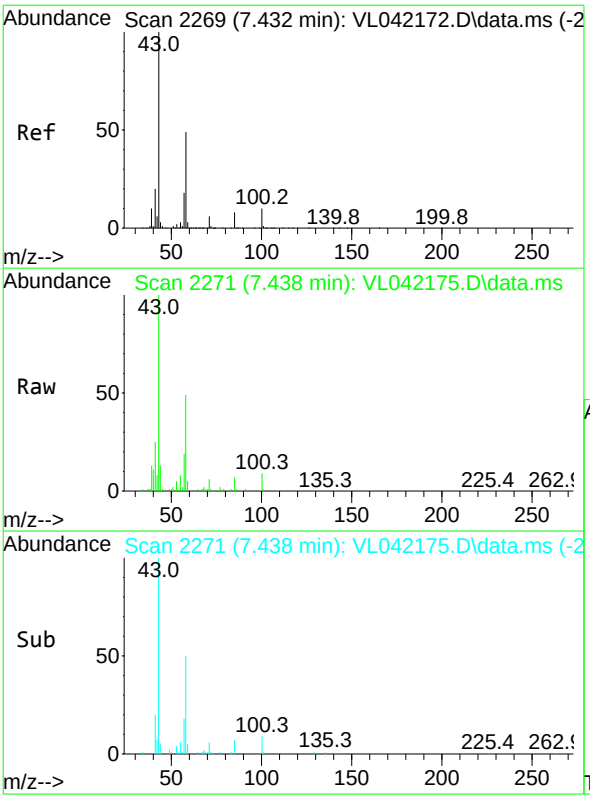


#50
4-Methyl-2-Pentanone
Concen: 0.559 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.013 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 33674

Ion	Ratio	Lower	Upper
43	100		
58	34.4	29.0	43.6





#51
2-Hexanone
Concen: 0.523 ppbv
RT: 7.438 min Scan# 22
Delta R.T. 0.006 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 26154

Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.7	59.5
98	0.0	0.1	0.1#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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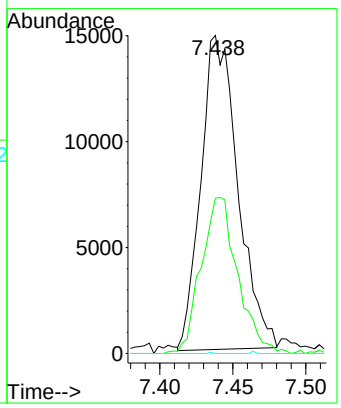
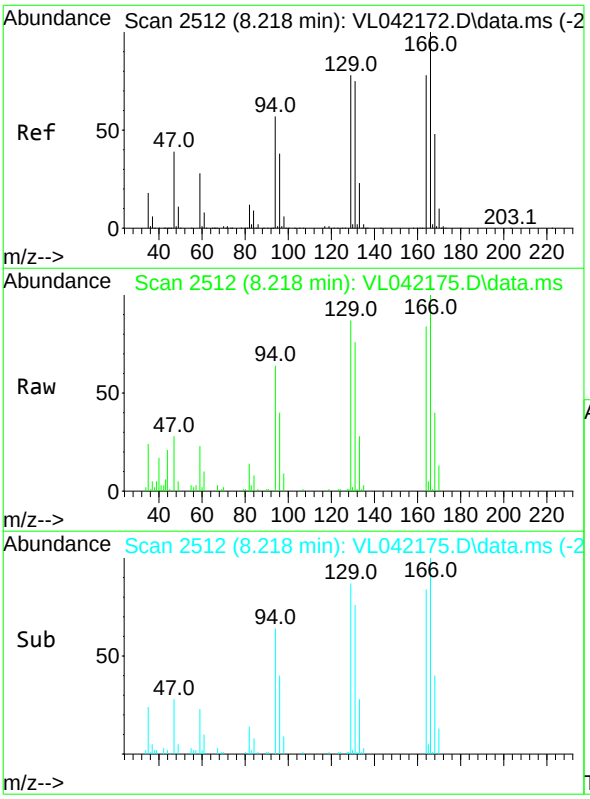
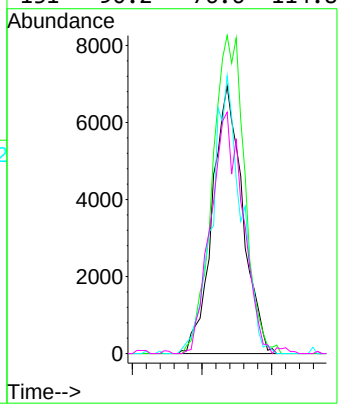


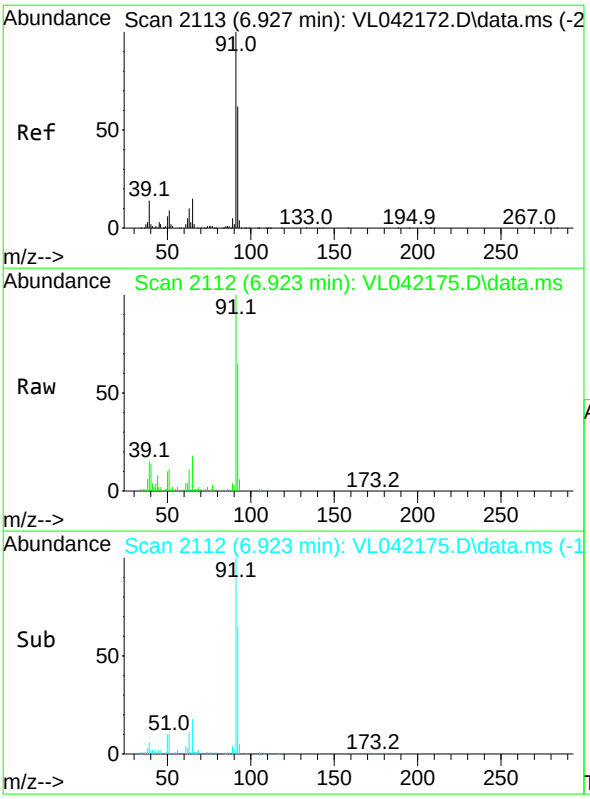


#52
Tetrachloroethene
Concen: 0.510 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:164 Resp: 10502

Ion	Ratio	Lower	Upper
164	100		
166	118.9	102.5	153.7
129	103.8	79.8	119.8
131	90.2	76.6	114.8





#53
Toluene
Concen: 0.527 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 32444

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.4	72.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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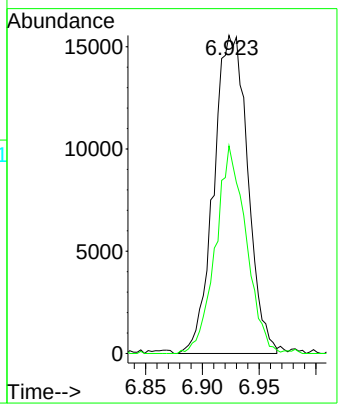
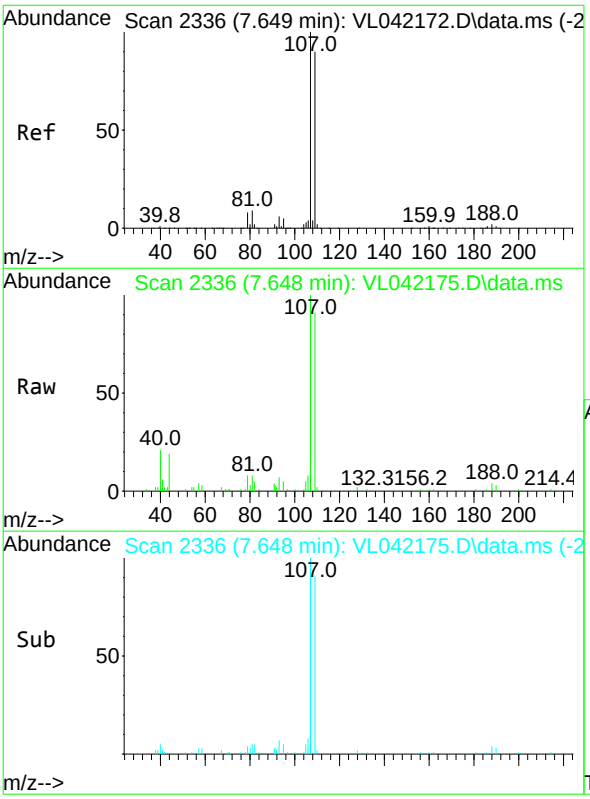
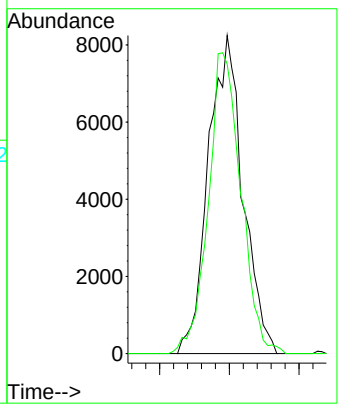


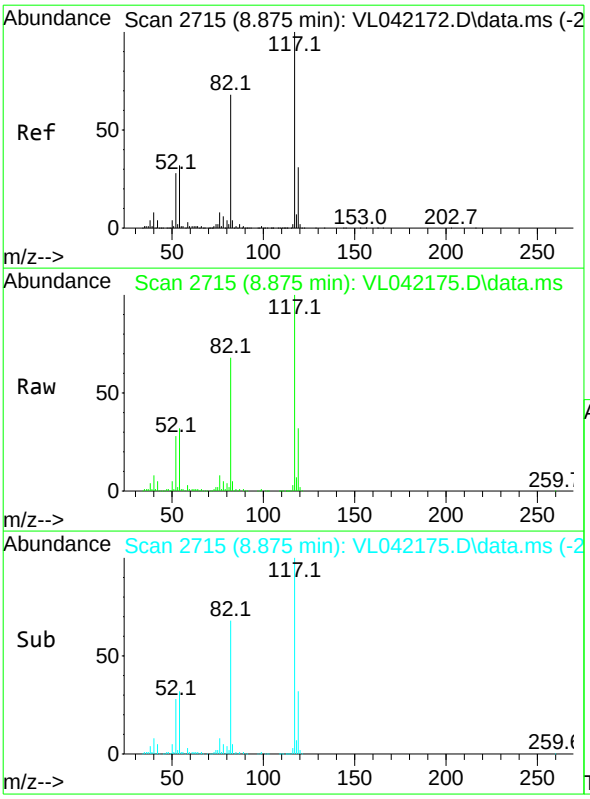


#54
1,2-Dibromoethane
Concen: 0.510 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:107 Resp: 14220

Ion	Ratio	Lower	Upper
107	100		
109	89.1	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 27
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:117 Resp: 485078

Ion	Ratio	Lower	Upper
117	100		
82	67.0	55.8	83.6
119	33.7	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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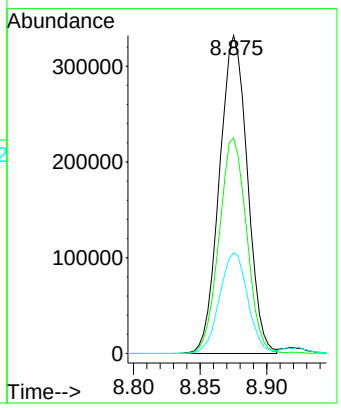
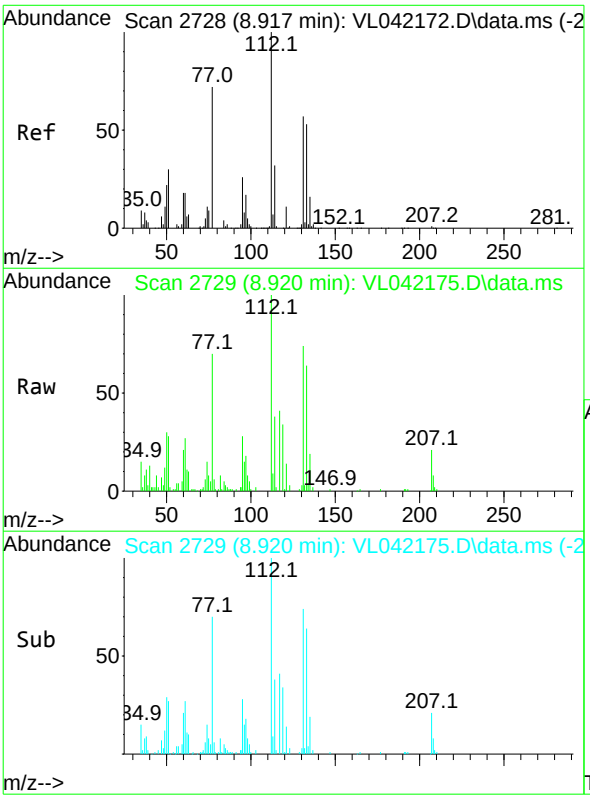
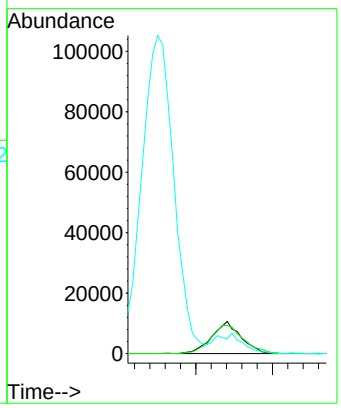


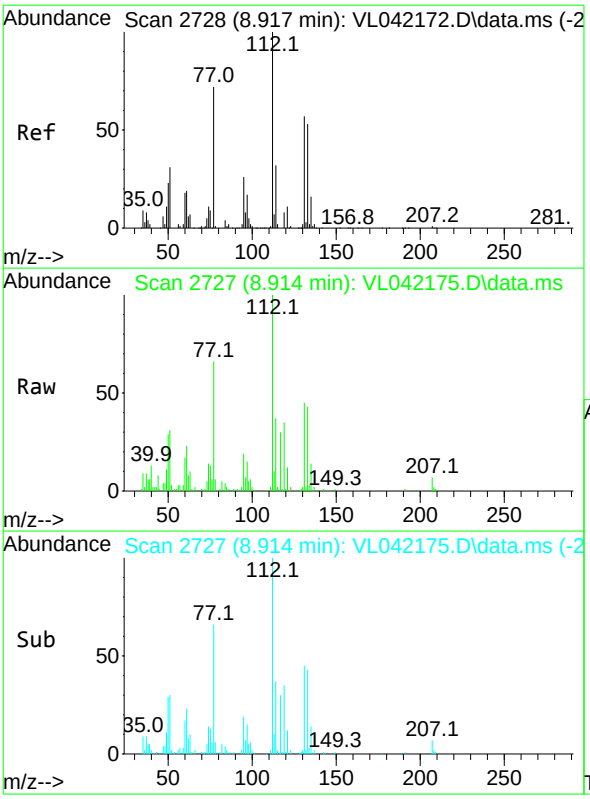


#56
1,1,1,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:131 Resp: 13959

Ion	Ratio	Lower	Upper
131	100		
133	99.6	76.6	114.8
119	1170.3	49.8	74.6#

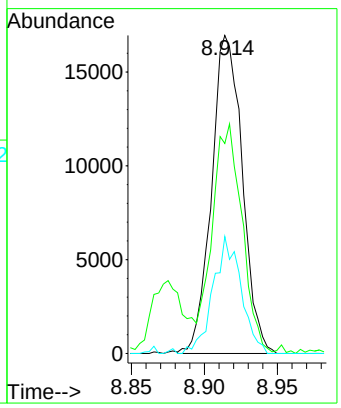




#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 8.914 min Scan# 27
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:112 Resp: 24826

Ion	Ratio	Lower	Upper
112	100		
77	65.1	58.2	87.2
114	36.8	29.1	35.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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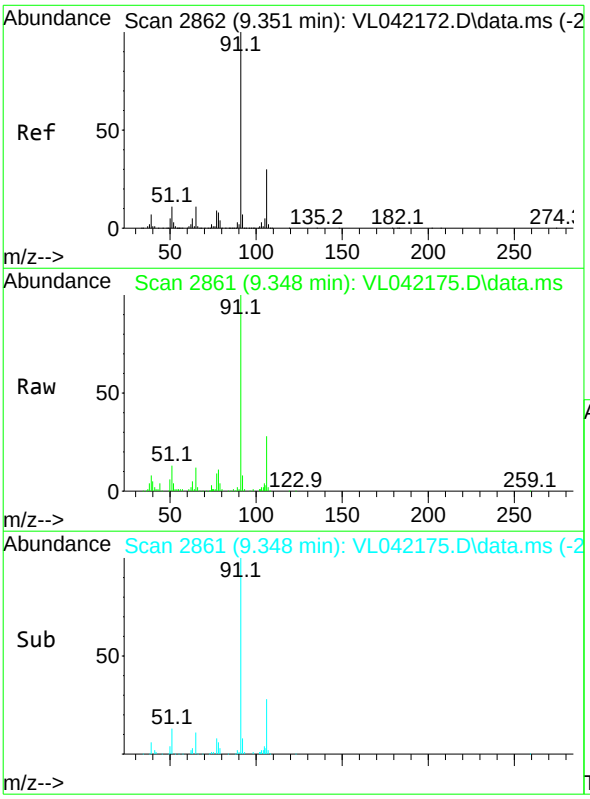
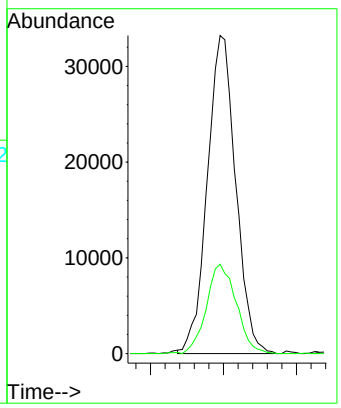
Supervised By :Mahesh Dadoda 04/03/2025

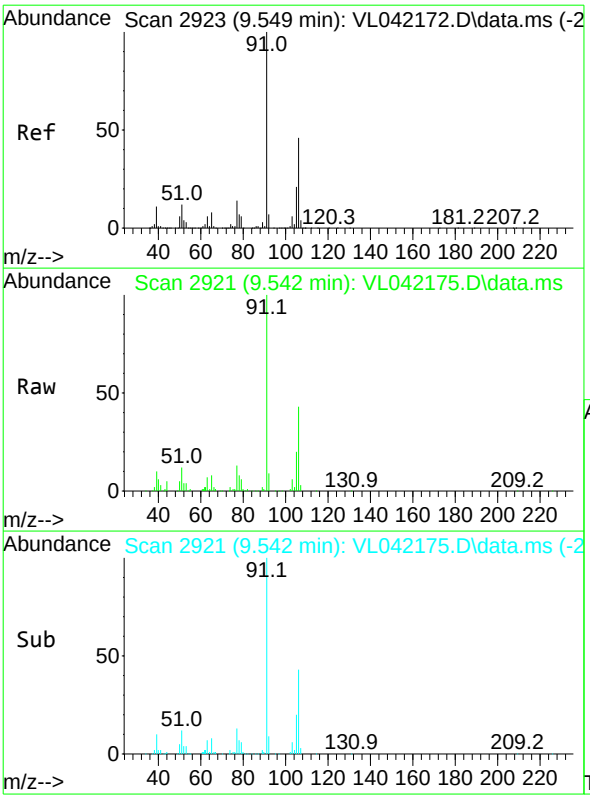


#58
Ethyl Benzene
Concen: 0.521 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 44862

Ion	Ratio	Lower	Upper
91	100		
106	28.1	24.2	36.2

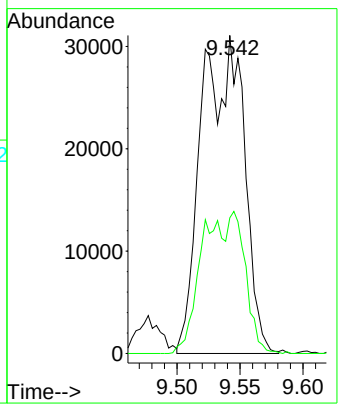




#59
m/p-Xylene
Concen: 1.060 ppbv m
RT: 9.542 min Scan# 29
Delta R.T. -0.007 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 73028

Ion	Ratio	Lower	Upper
91	100		
106	45.2	36.4	54.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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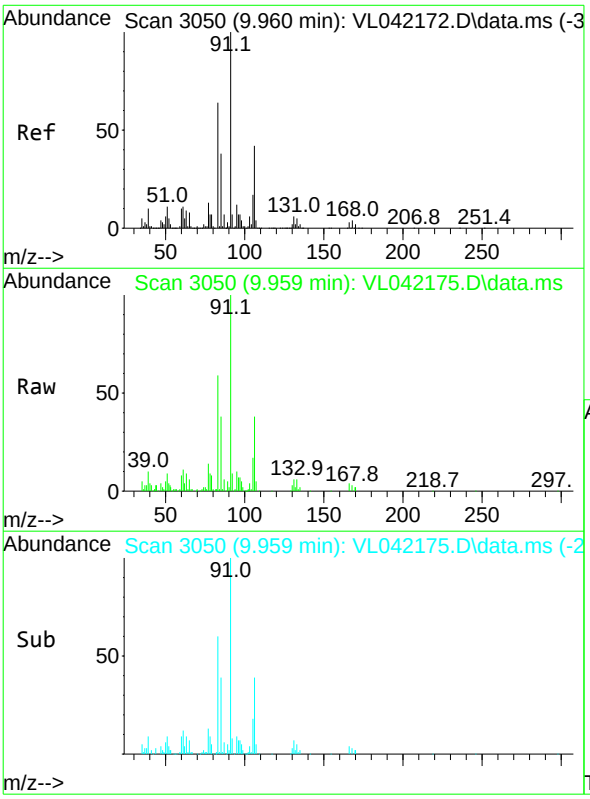
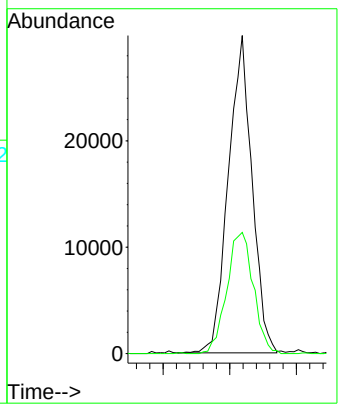
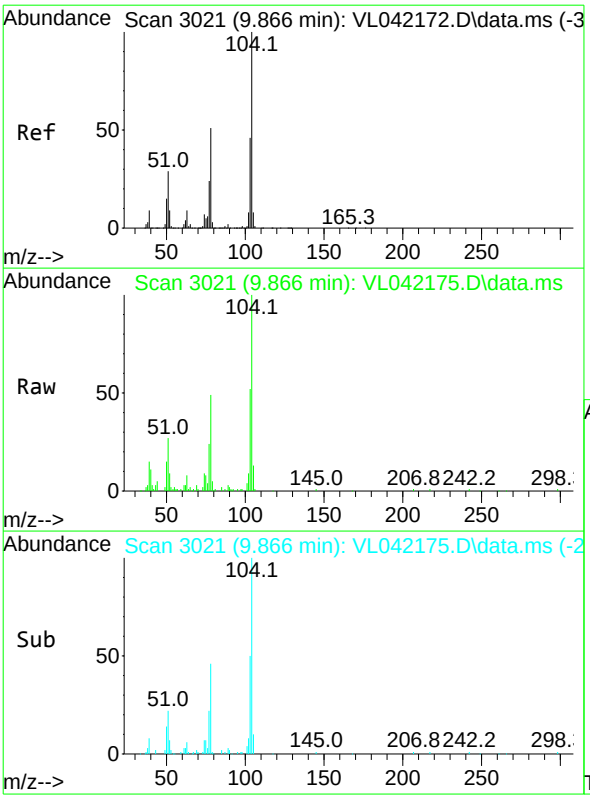


#60
o-Xylene
Concen: 0.535 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 36879

Ion	Ratio	Lower	Upper
91	100		
106	42.7	20.8	62.5

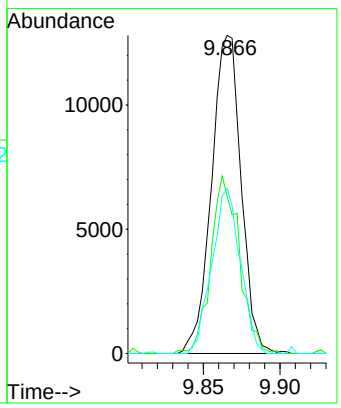




#61
Styrene
Concen: 0.504 ppbv
RT: 9.866 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:104 Resp: 17198

Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.8	62.6
103	50.2	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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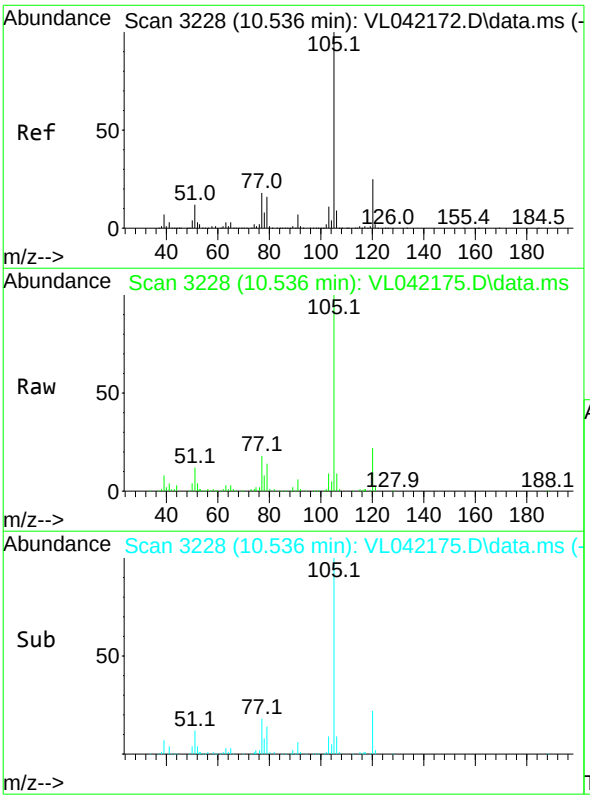
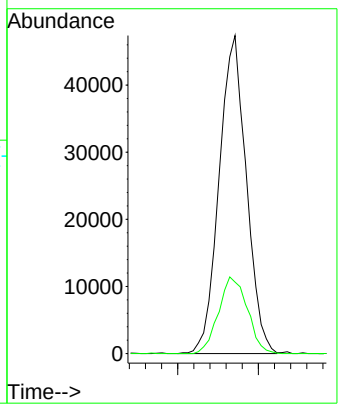
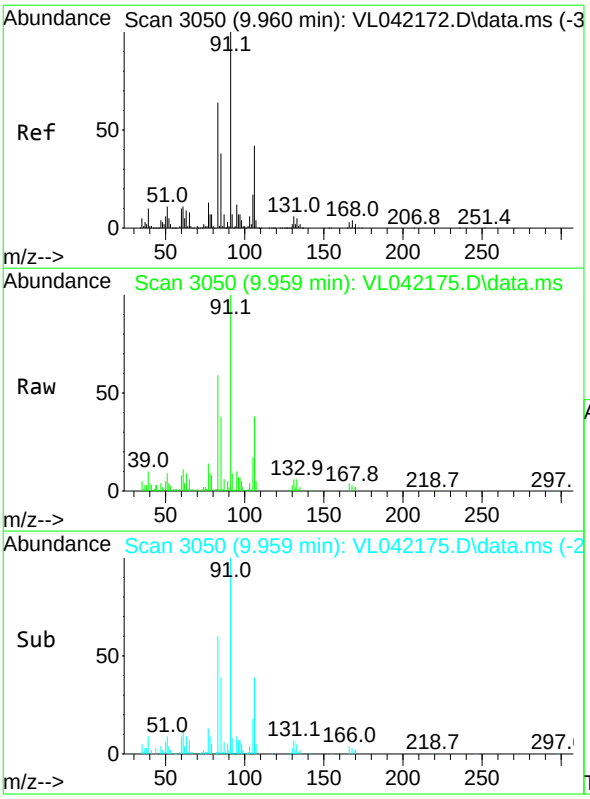


#62
Isopropylbenzene
Concen: 0.538 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 55531

Ion	Ratio	Lower	Upper
105	100		
120	25.5	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 0.525 ppbv
RT: 9.959 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 83 Resp: 21989

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	68.1	32.5	97.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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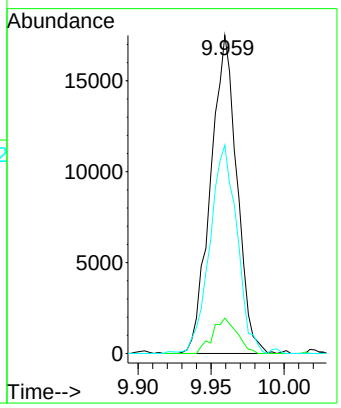
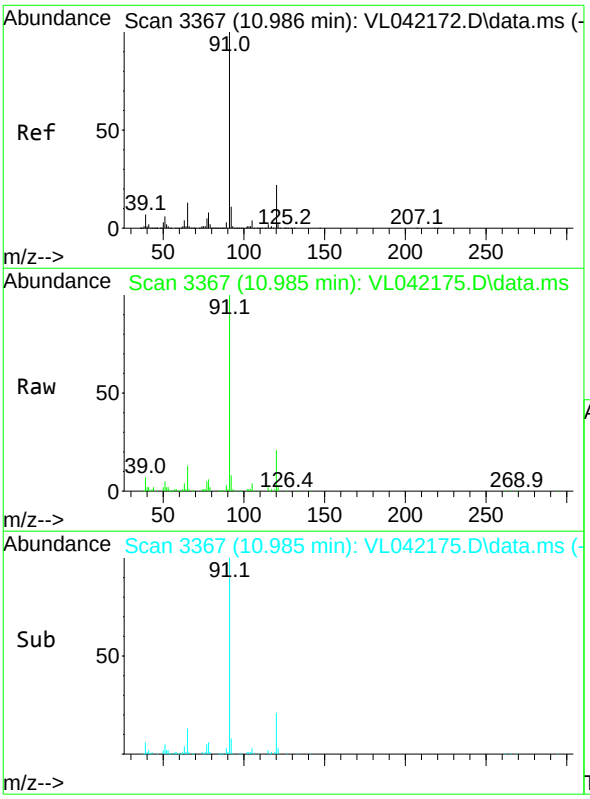
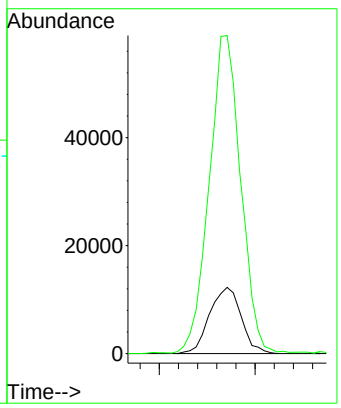


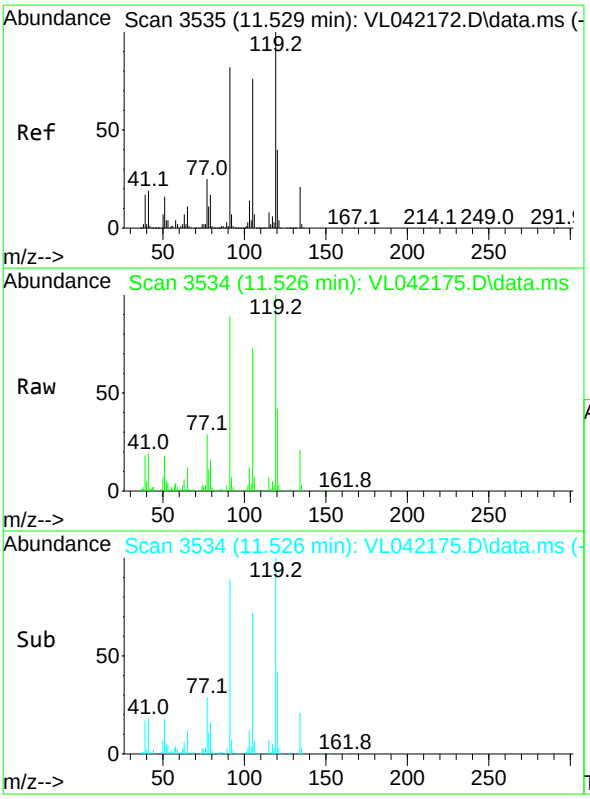


#64
n-propylbenzene
Concen: 0.528 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:120 Resp: 14030

Ion	Ratio	Lower	Upper
120	100		
91	483.1	376.9	565.3

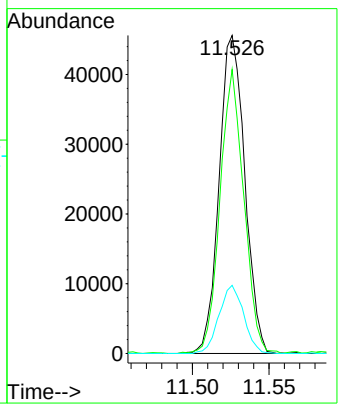




#65
tert-Butylbenzene
Concen: 0.557 ppbv
RT: 11.526 min Scan# 35
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:119 Resp: 53115

Ion	Ratio	Lower	Upper
119	100		
91	82.9	66.0	99.0
134	20.6	16.7	25.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

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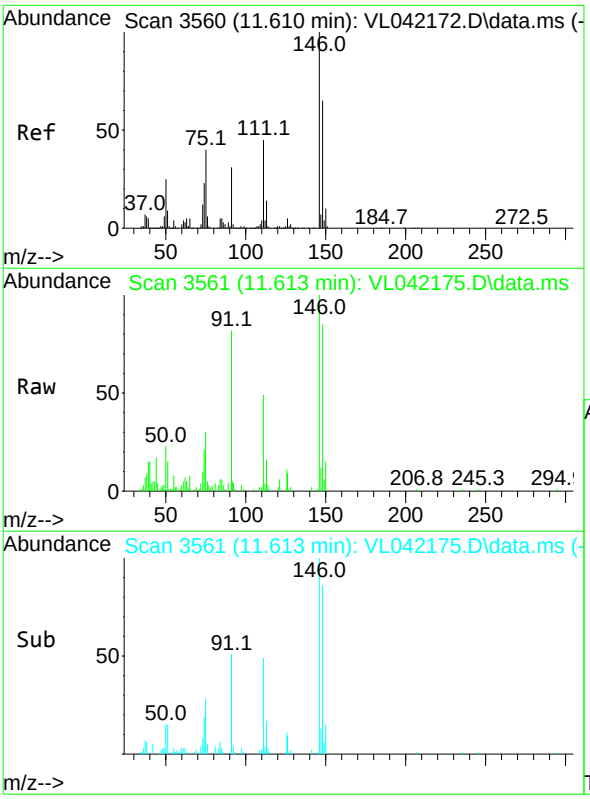
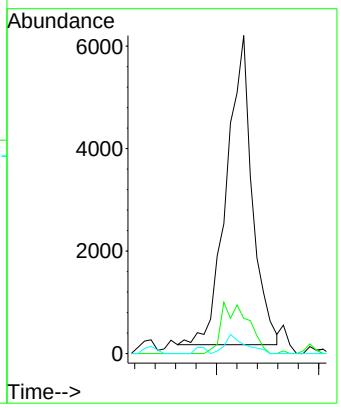
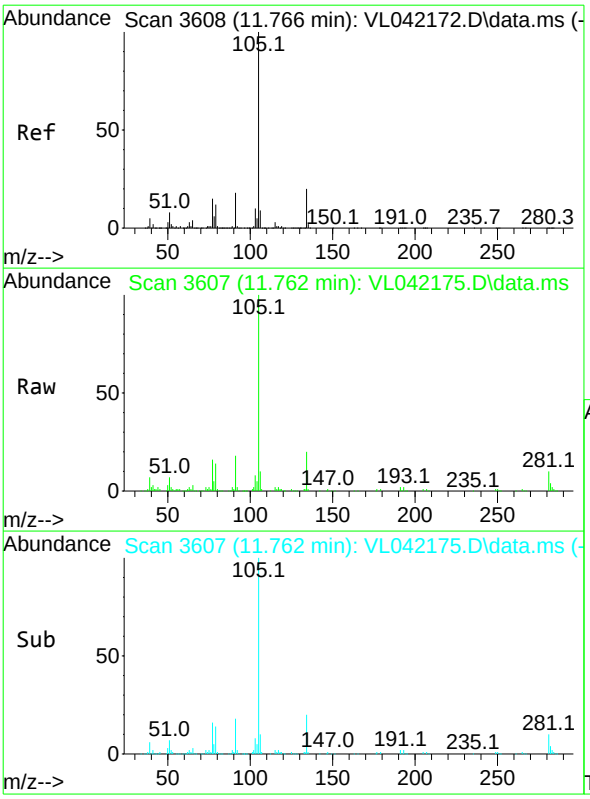


#66
Benzyl Chloride
Concen: 0.520 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 5263

Ion	Ratio	Lower	Upper
91	100		
126	18.7	13.8	20.6
128	5.8	4.5	6.7





#67
sec-Butylbenzene
Concen: 0.550 ppbv
RT: 11.762 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 72879

Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/31/2025
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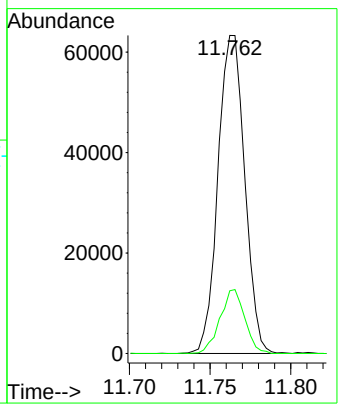
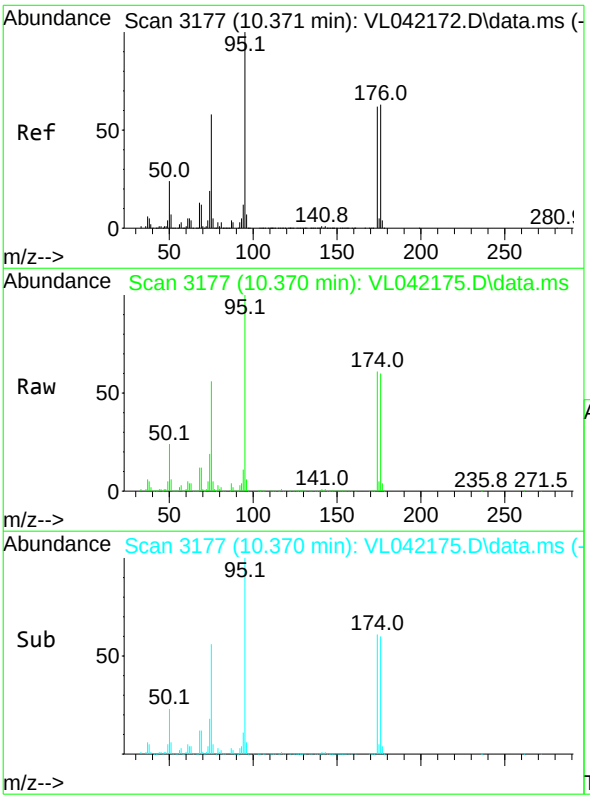
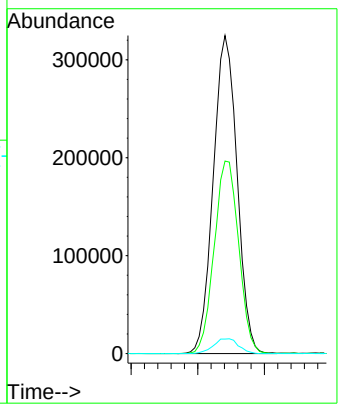


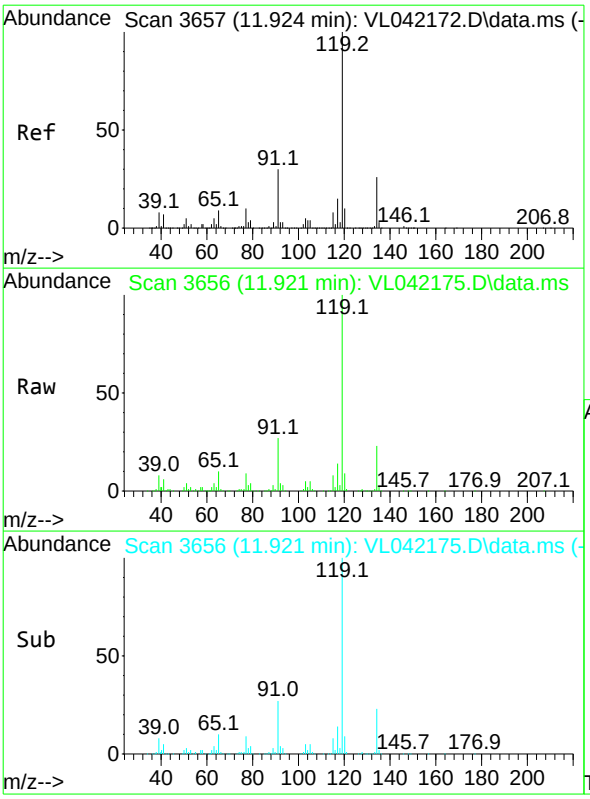


#68
1-Bromo-4-Fluorobenzene
Concen: 10.130 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 95 Resp: 403513

Ion	Ratio	Lower	Upper
95	100		
174	62.3	50.6	76.0
175	4.9	3.8	5.6

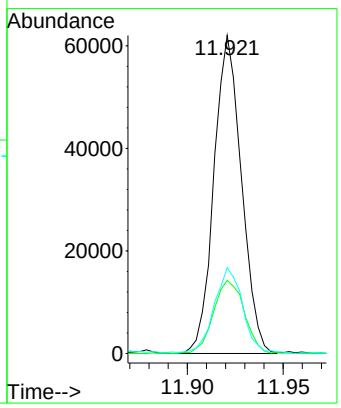




#69
p-Isopropyltoluene
Concen: 0.542 ppbv
RT: 11.921 min Scan# 36
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:119 Resp: 61933

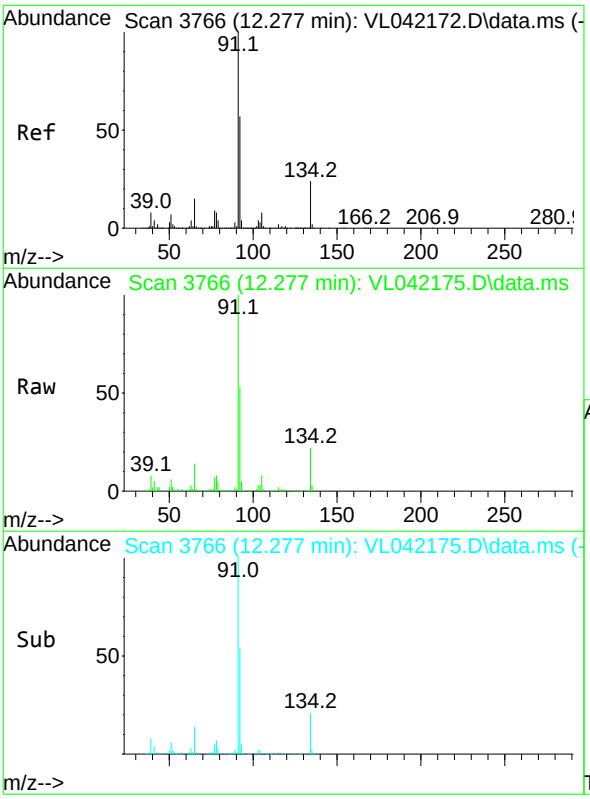
Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	29.4	23.7	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

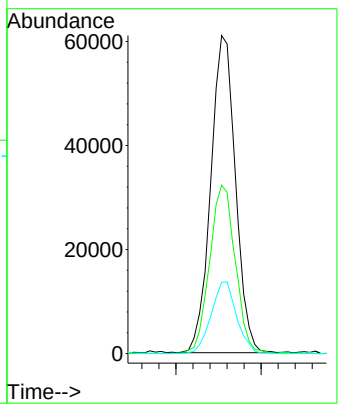
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

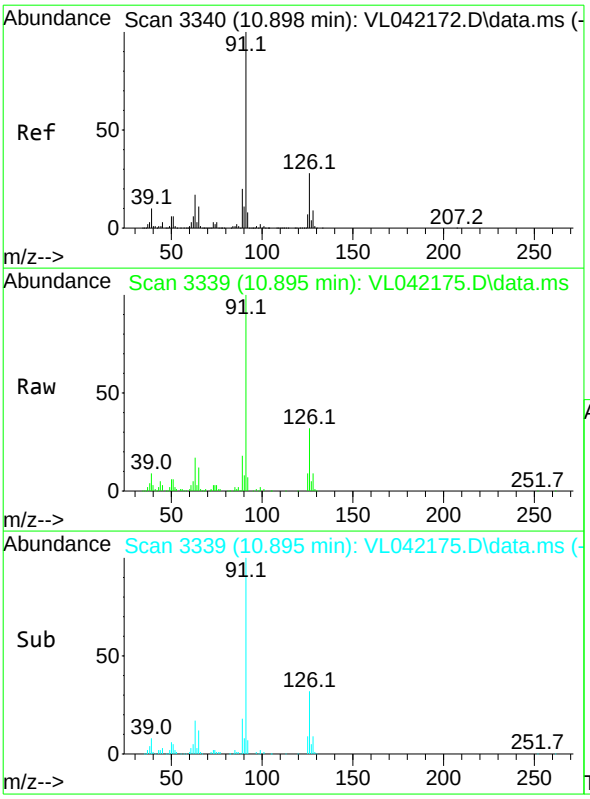


#70
n-Butylbenzene
Concen: 0.527 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 61507

Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.9	67.3
134	23.4	19.2	28.8

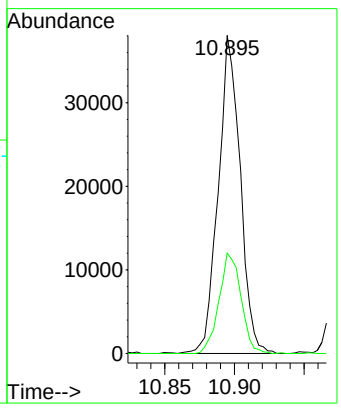




#71
2-Chlorotoluene
Concen: 0.520 ppbv
RT: 10.895 min Scan# 33
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 41637

Ion	Ratio	Lower	Upper
91	100		
126	31.7	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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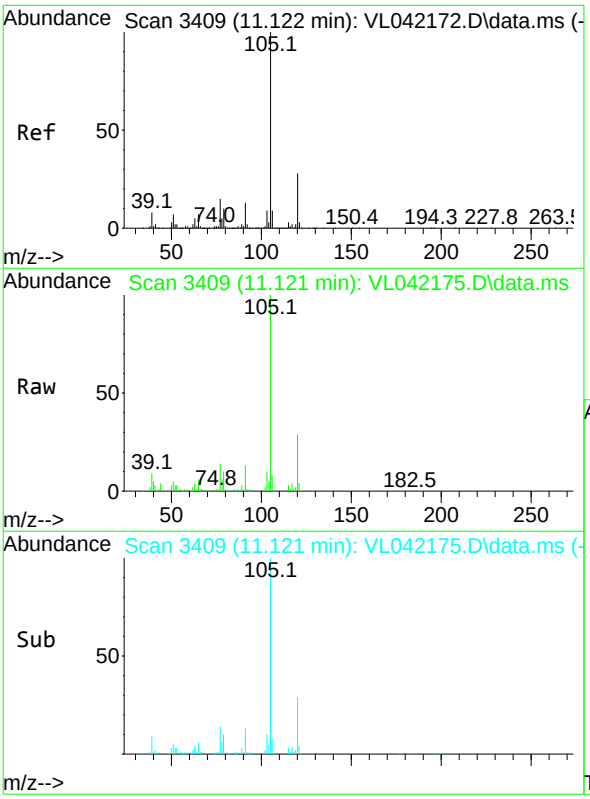
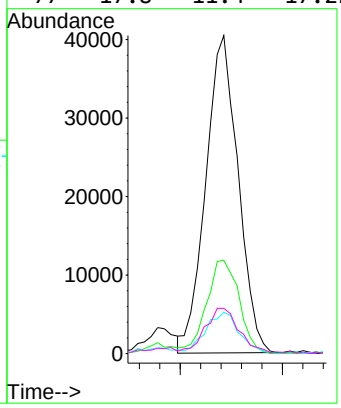
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

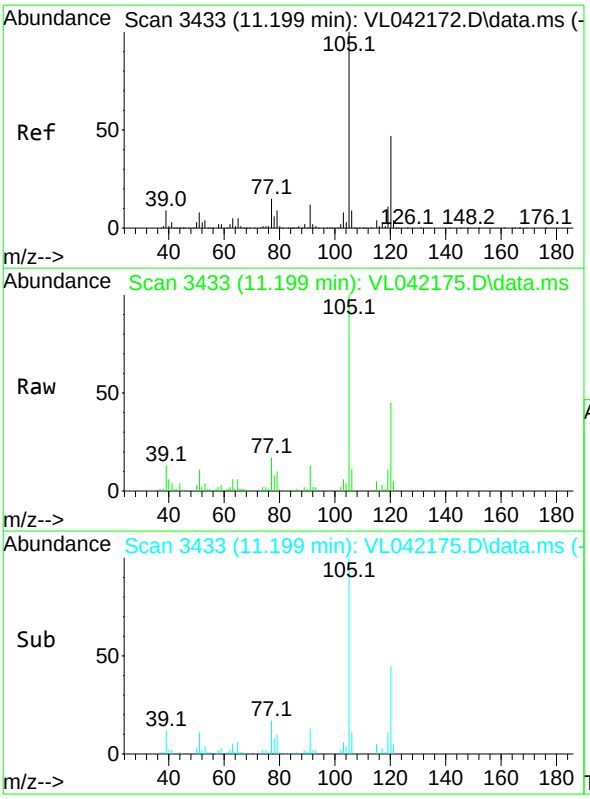


#72
4-Ethyltoluene
Concen: 0.518 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 44473

Ion	Ratio	Lower	Upper
105	100		
120	32.3	23.4	35.0
91	14.9	10.3	15.5
77	17.8	11.4	17.2#

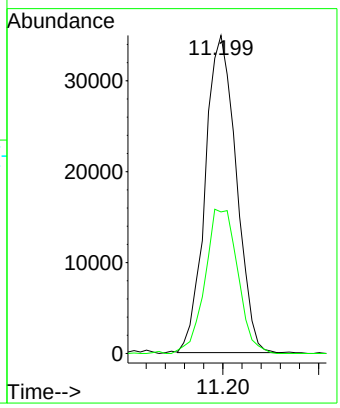




#73
1,3,5-Trimethylbenzene
Concen: 0.523 ppbv
RT: 11.199 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 39190

Ion	Ratio	Lower	Upper
105	100		
120	44.6	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/31/2025
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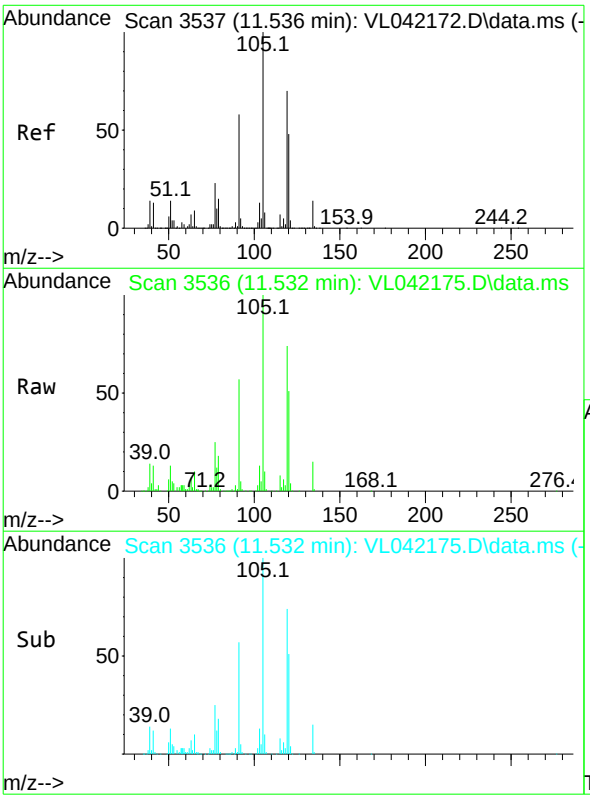
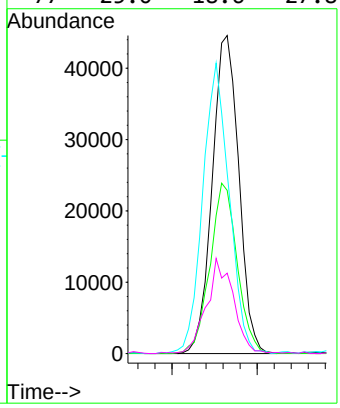
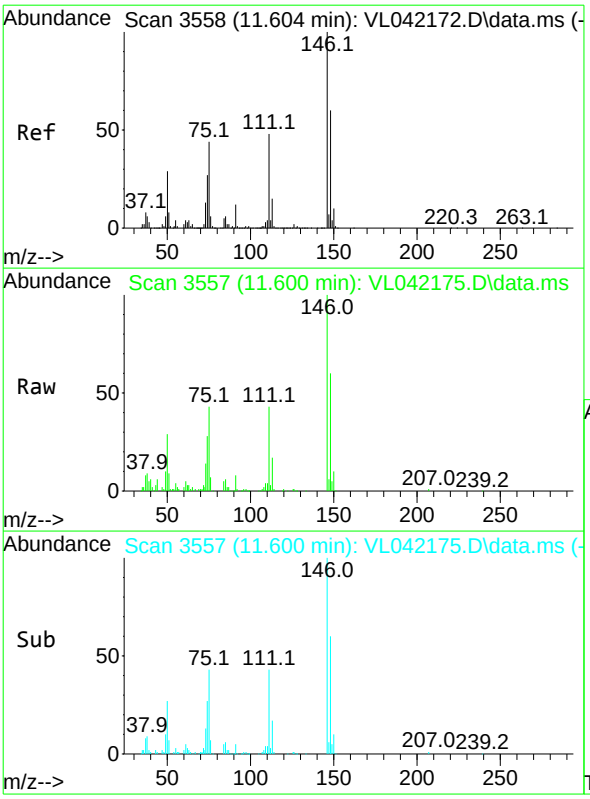


#74
1,2,4-Trimethylbenzene
Concen: 0.560 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 48370

Ion	Ratio	Lower	Upper
105	100		
120	51.3	38.6	58.0
91	56.5	46.2	69.2
77	25.0	18.6	27.8

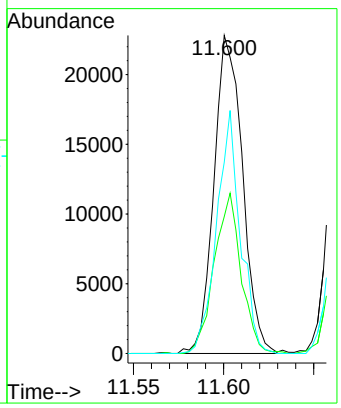




#75
1,3-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.600 min Scan# 35
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:146 Resp: 25122

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.7	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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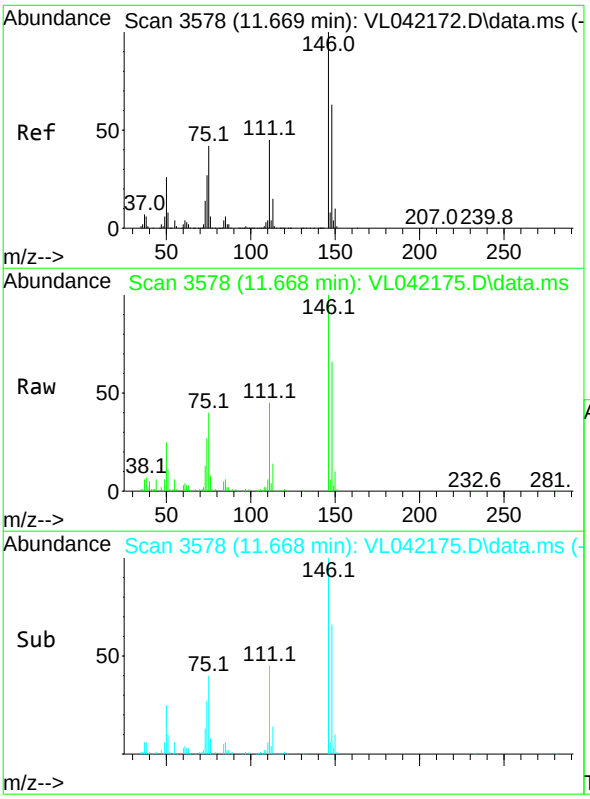
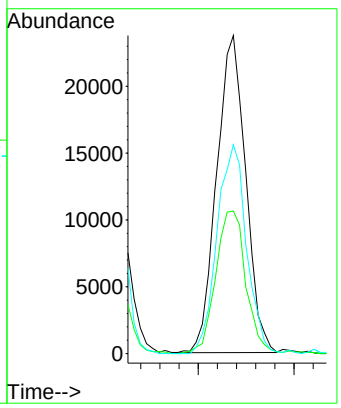
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

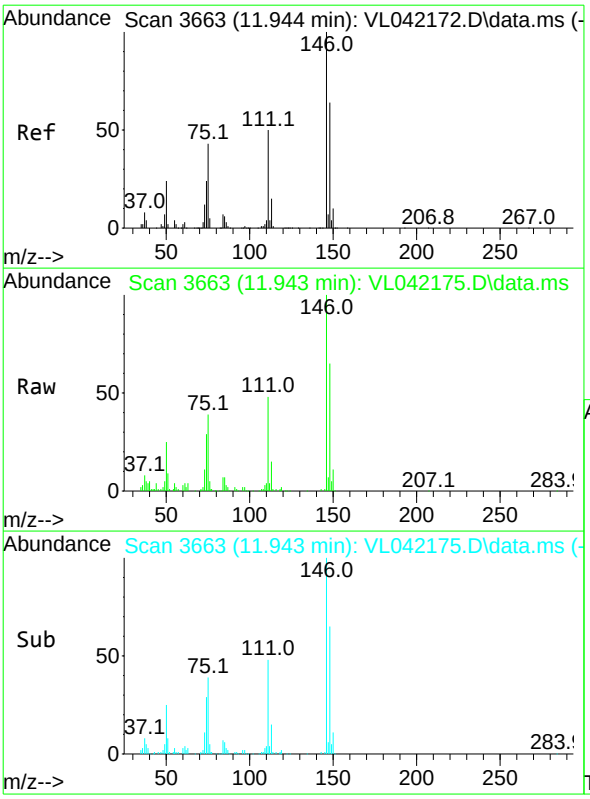


#76
1,4-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:146 Resp: 24991

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.0	69.0
148	67.5	31.9	95.7

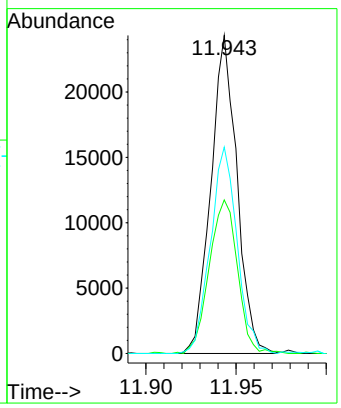




#77
1,2-Dichlorobenzene
Concen: 0.532 ppbv
RT: 11.943 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:146 Resp: 24548

Ion	Ratio	Lower	Upper
146	100		
111	52.2	24.8	74.3
148	66.6	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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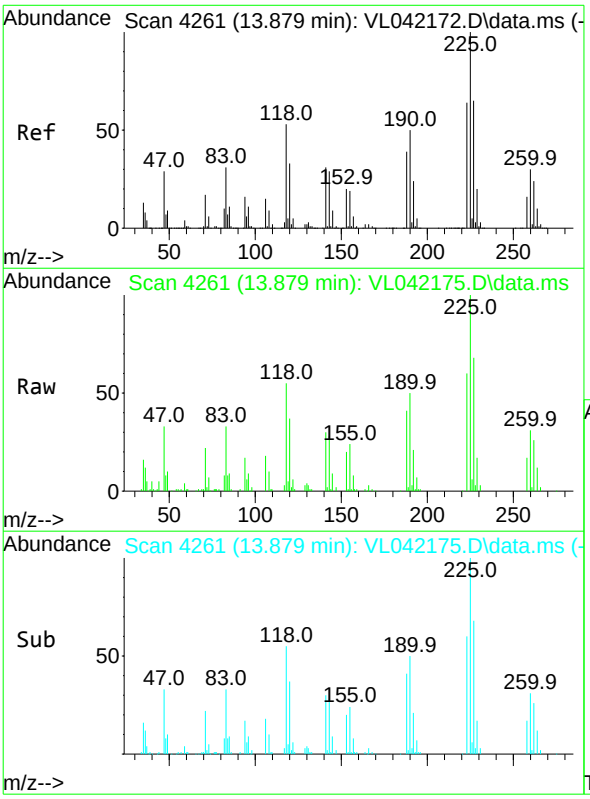
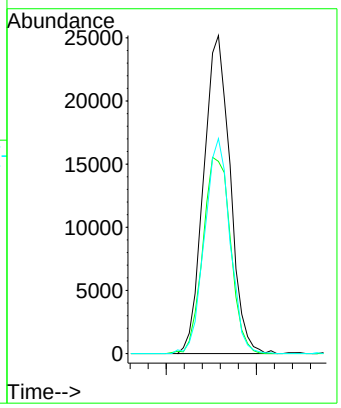
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

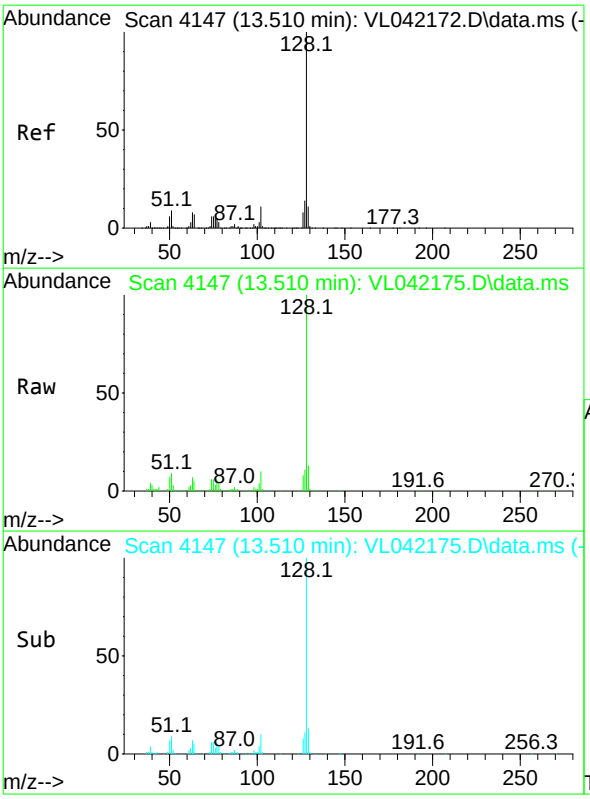


#78
Hexachloro-1,3-Butadiene
Concen: 0.546 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:225 Resp: 25636

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.6	76.0
227	64.8	51.2	76.8

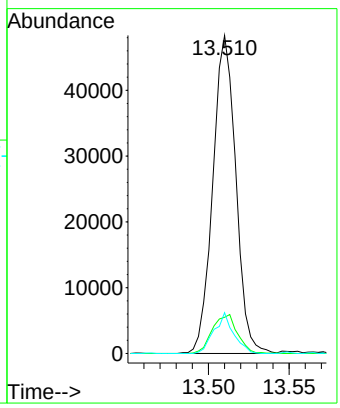




#79
Naphthalene
Concen: 0.508 ppbv
RT: 13.510 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:128 Resp: 47990

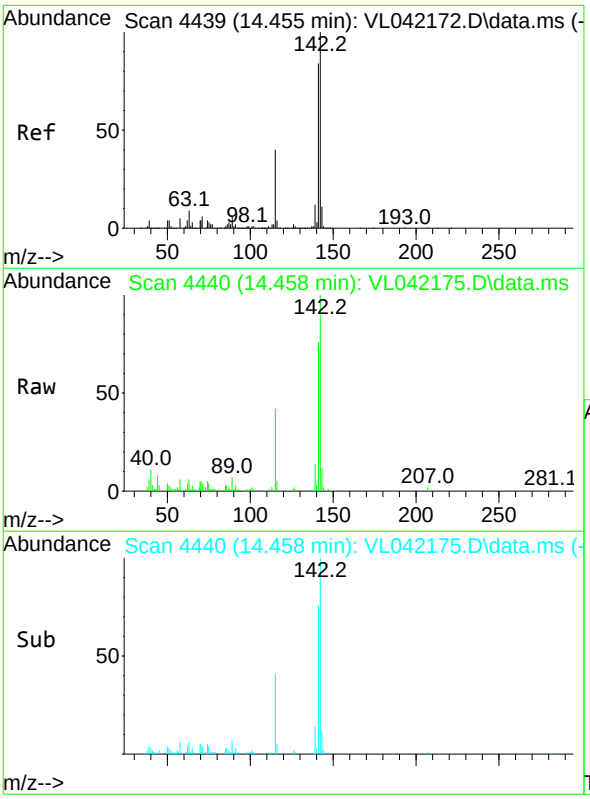
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.8	16.2
129	12.8	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

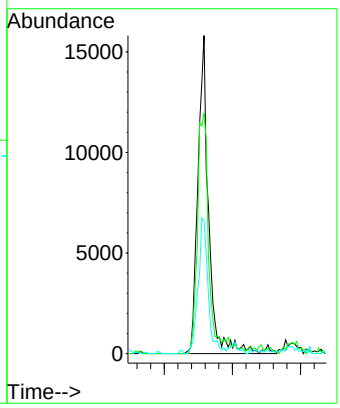
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

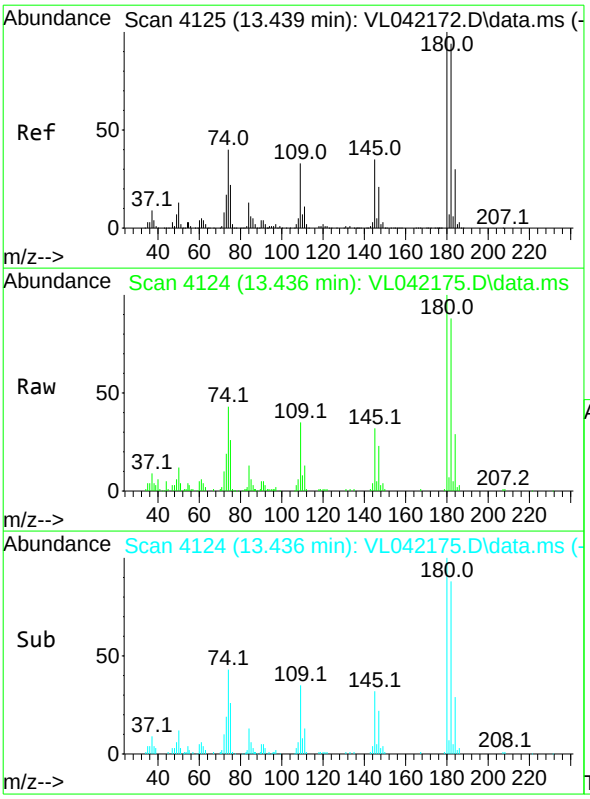


#80
Naphthalene,2-methyl-
Concen: 0.380 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:142 Resp: 17486

Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.3	99.5
115	43.5	31.6	47.4

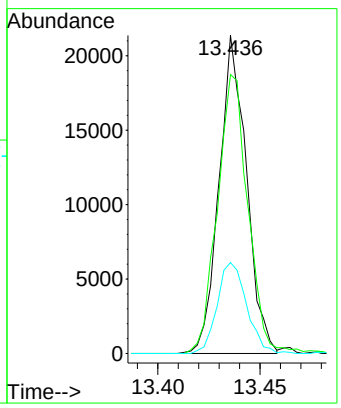




#81
1,2,4-Trichlorobenzene
Concen: 0.457 ppbv
RT: 13.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:180 Resp: 19924

Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.1	112.7
184	31.1	24.4	36.6



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

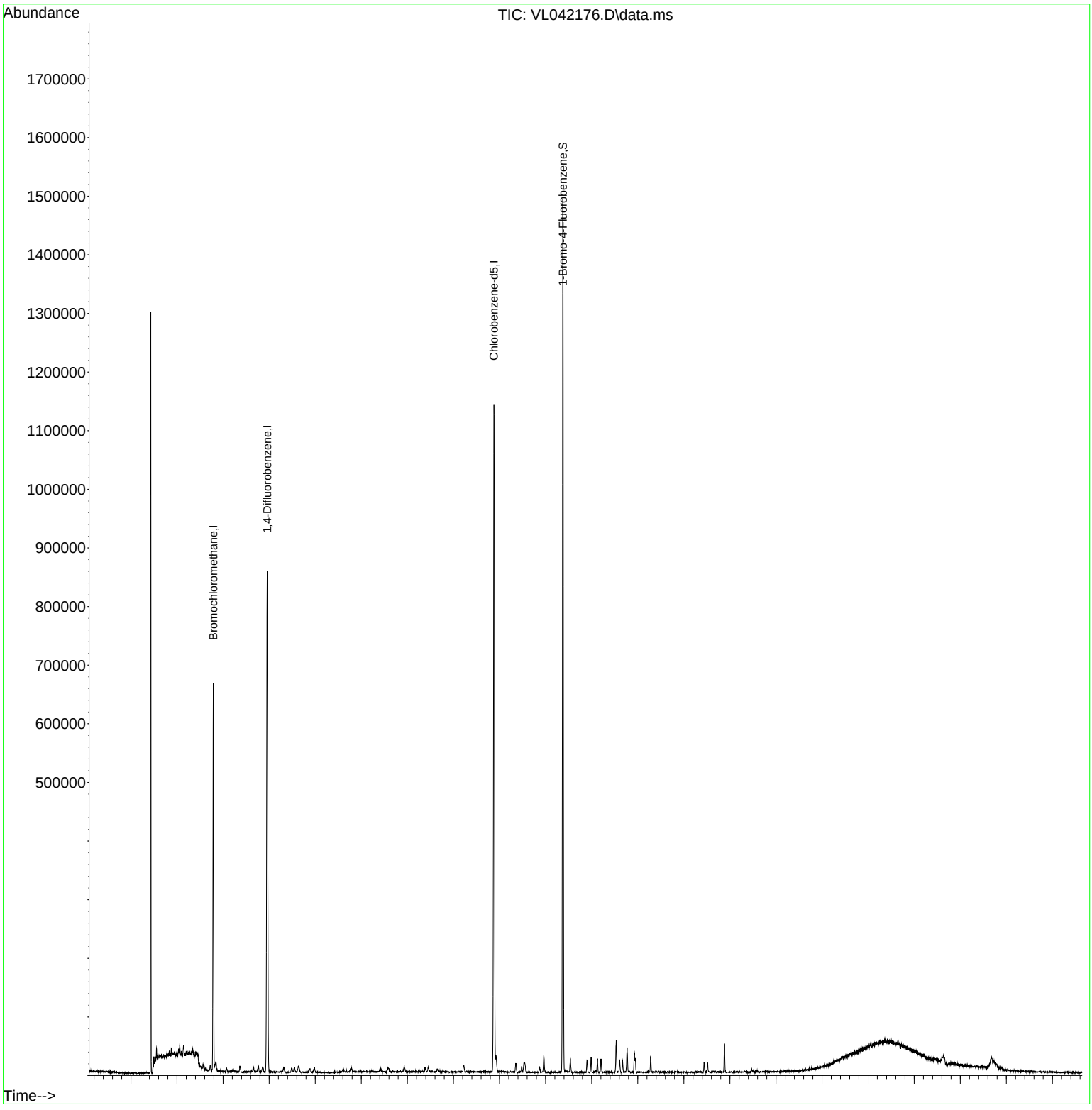
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

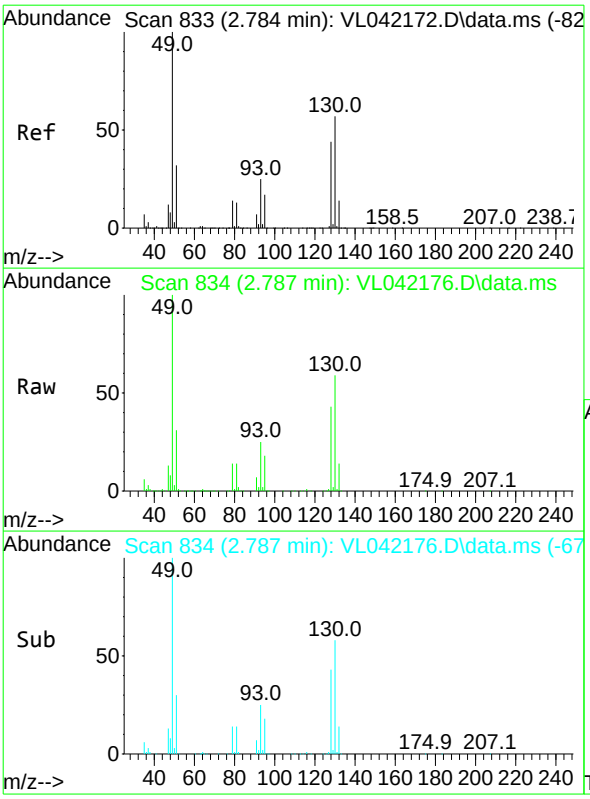
Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

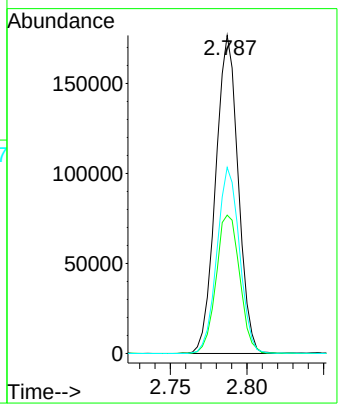




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 83
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 49 Resp: 180740

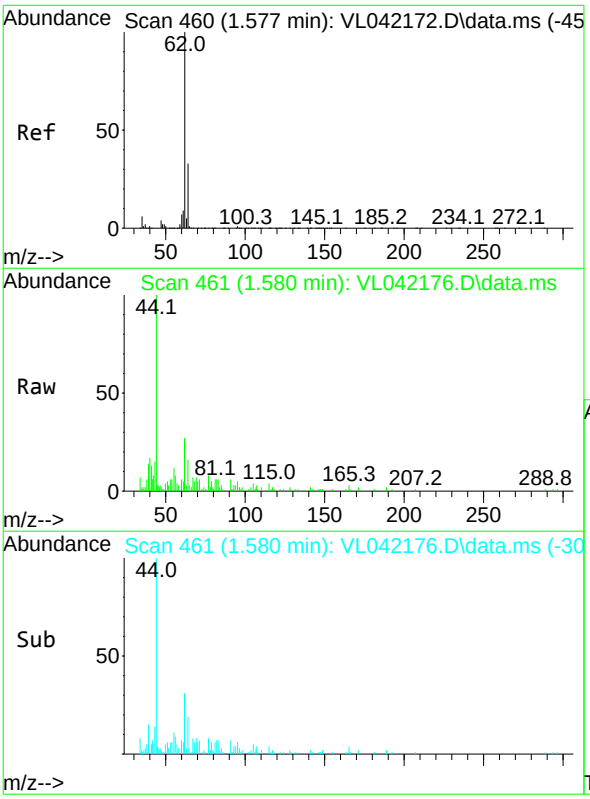
Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.9	68.5
130	58.5	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

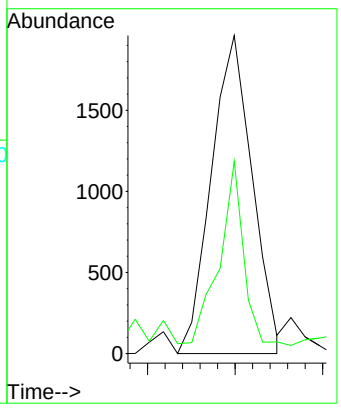
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

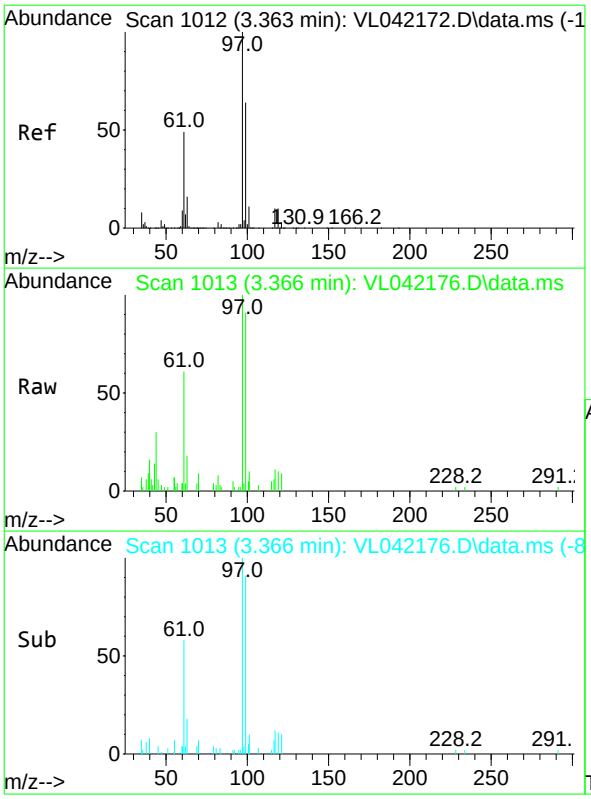


#5
Vinyl Chloride
Concen: 0.115 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 62 Resp: 1274

Ion	Ratio	Lower	Upper
62	100		
64	66.4	26.6	40.0#





#32
1,1,1-Trichloroethane
Concen: 0.106 ppbv m
RT: 3.366 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

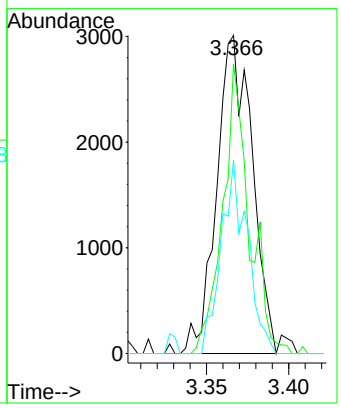
Tgt Ion: 97 Resp: 4509

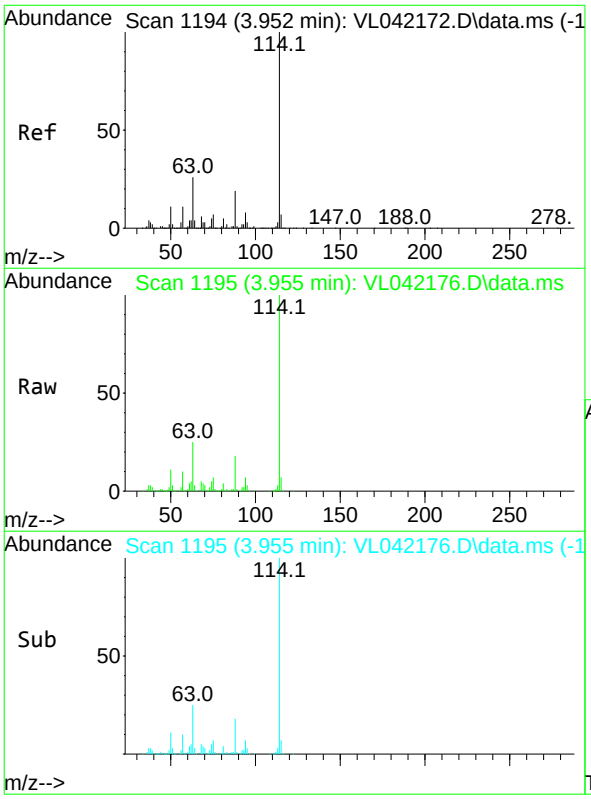
Ion	Ratio	Lower	Upper
97	100		
99	68.6	51.5	77.3
61	45.4	38.7	58.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

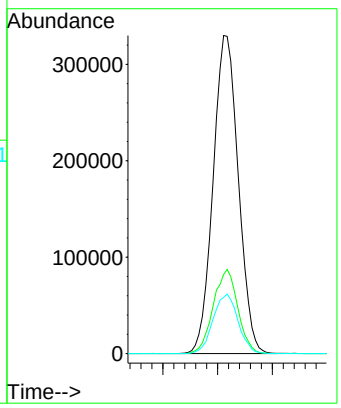


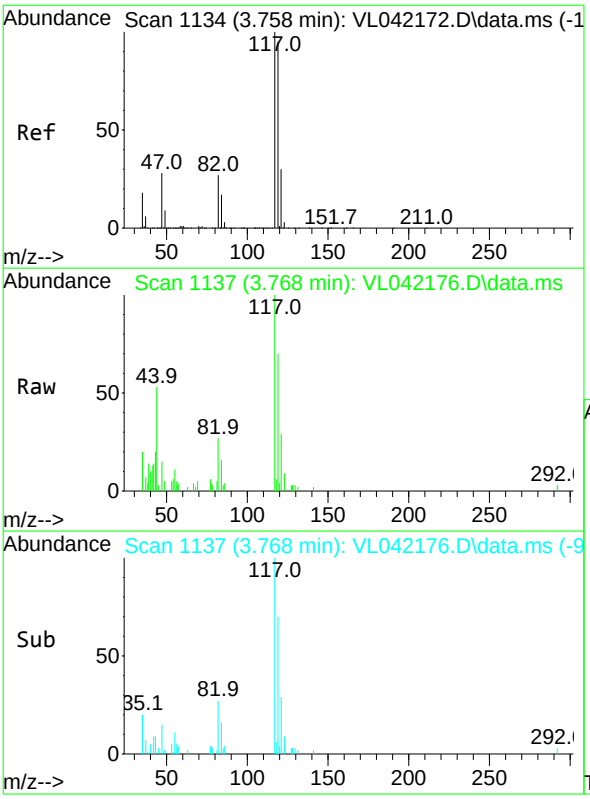


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:114 Resp: 528028

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	18.5	15.0	22.4

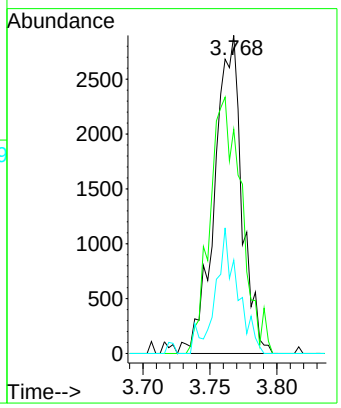




#35
Carbon Tetrachloride
Concen: 0.102 ppbv m
RT: 3.768 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:117 Resp: 4131

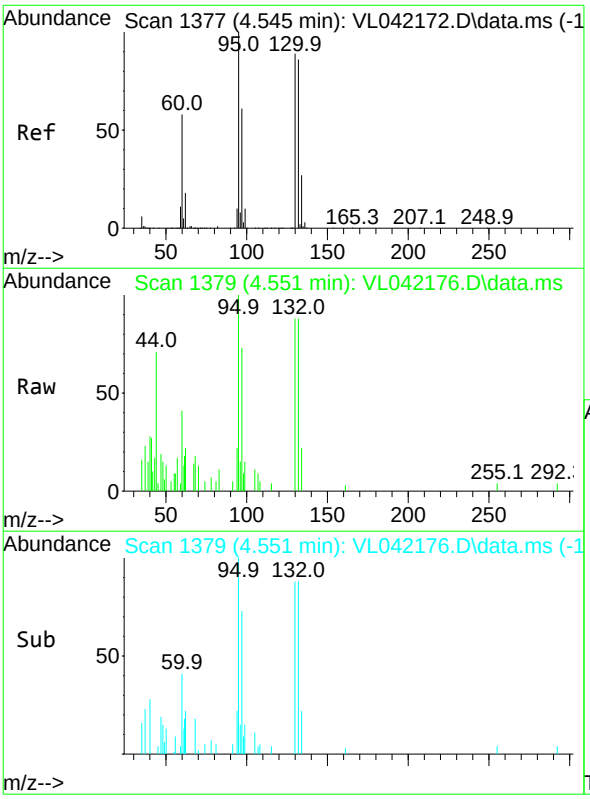
Ion	Ratio	Lower	Upper
117	100		
119	70.5	76.2	114.2#
121	29.4	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

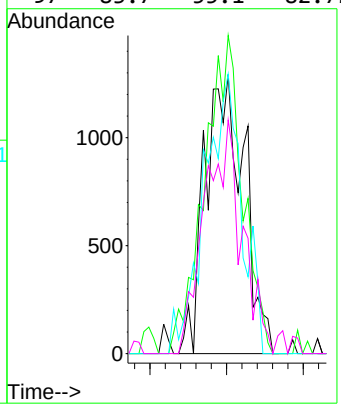
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

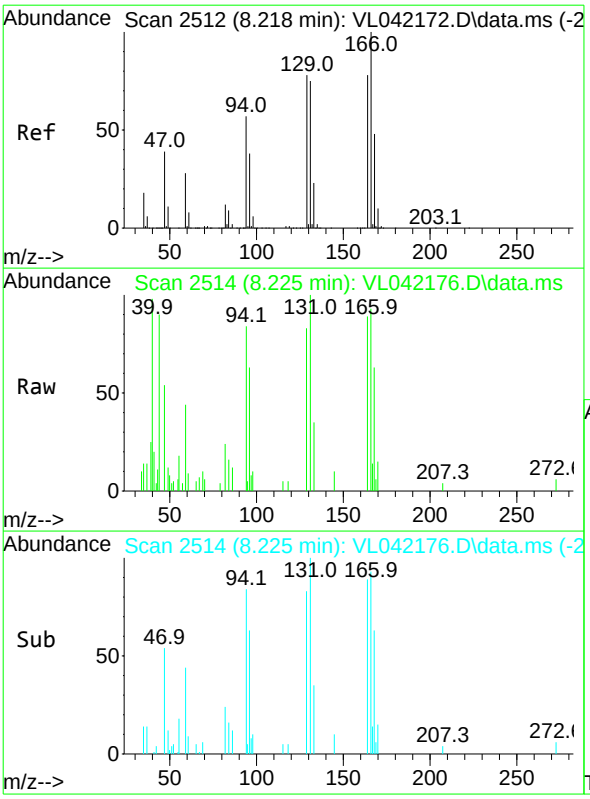


#38
Trichloroethene
Concen: 0.106 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:130 Resp: 2306

Ion	Ratio	Lower	Upper
130	100		
95	114.0	89.8	134.8
132	100.2	77.4	116.2
97	83.7	55.1	82.7#

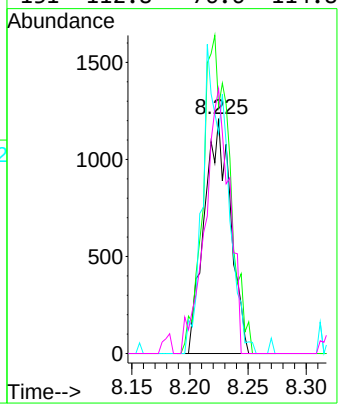




#52
Tetrachloroethene
Concen: 0.091 ppbv m
RT: 8.225 min Scan# 25
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:164 Resp: 1895

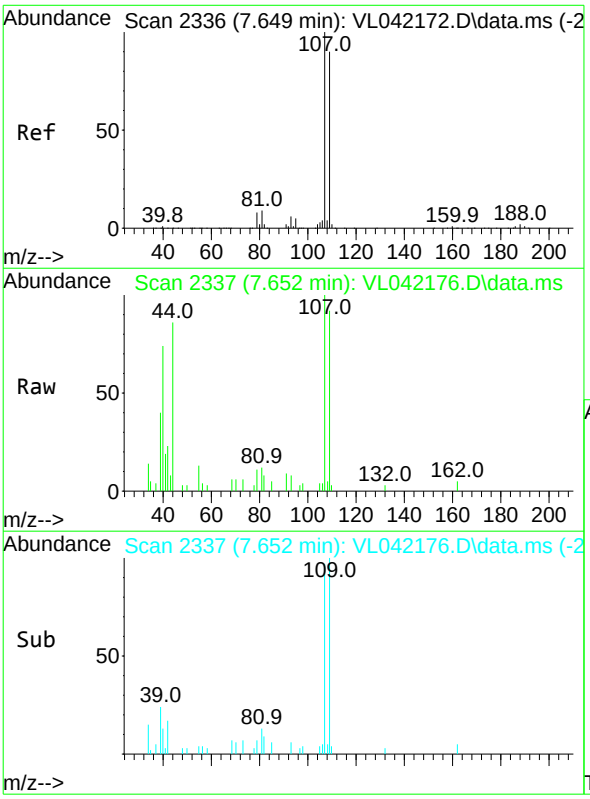
Ion	Ratio	Lower	Upper
164	100		
166	105.1	102.5	153.7
129	93.7	79.8	119.8
131	112.8	76.6	114.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

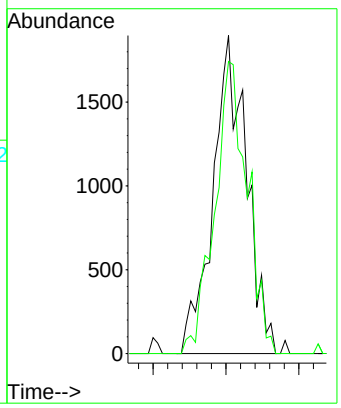
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

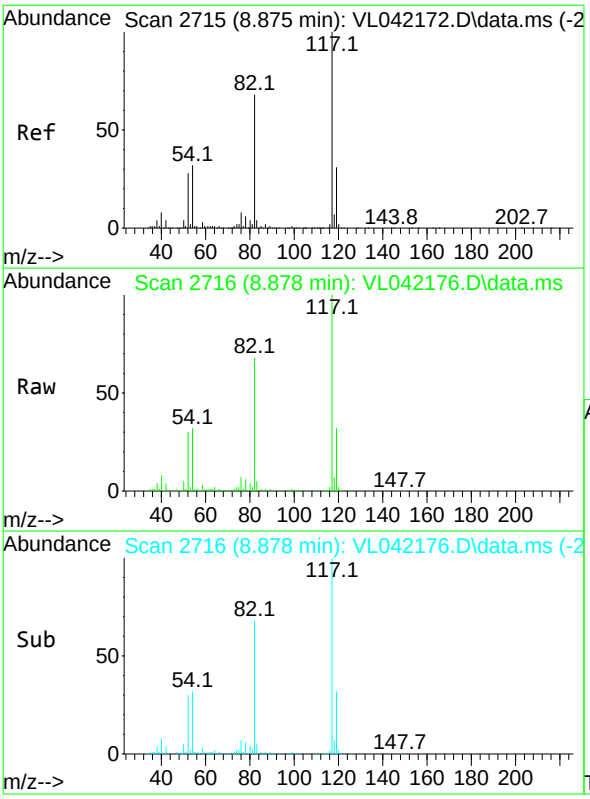


#54
1,2-Dibromoethane
Concen: 0.108 ppbv m
RT: 7.652 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:107 Resp: 3033

Ion	Ratio	Lower	Upper
107	100		
109	91.8	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

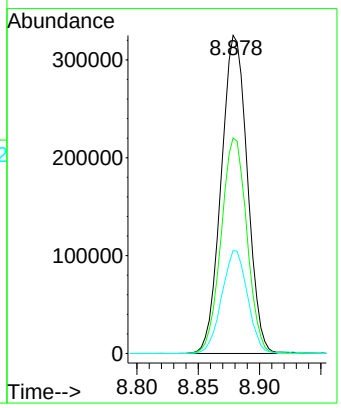
Tgt Ion:117 Resp: 481506

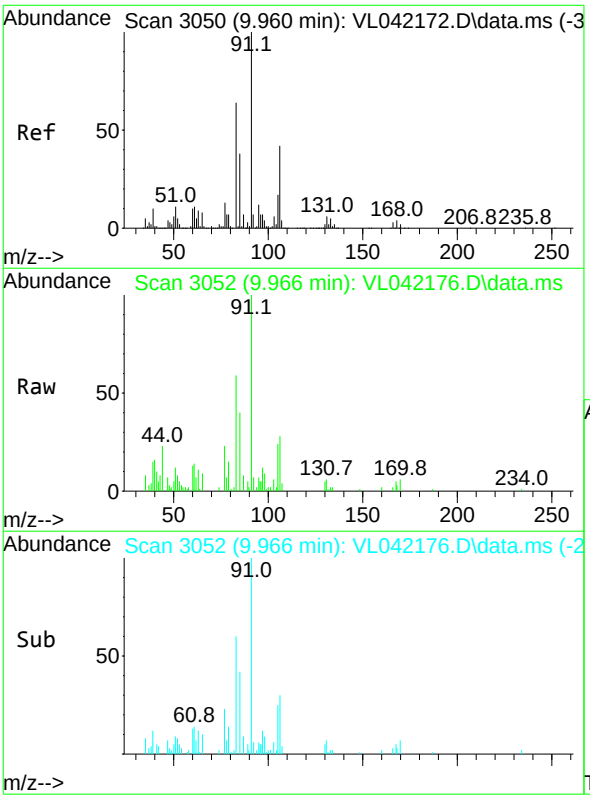
Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	32.3	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

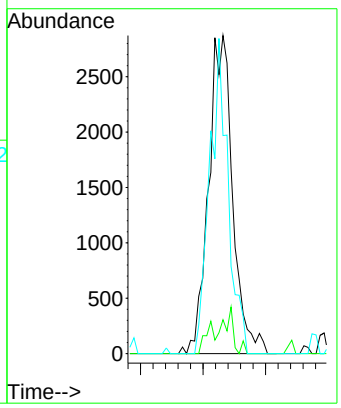


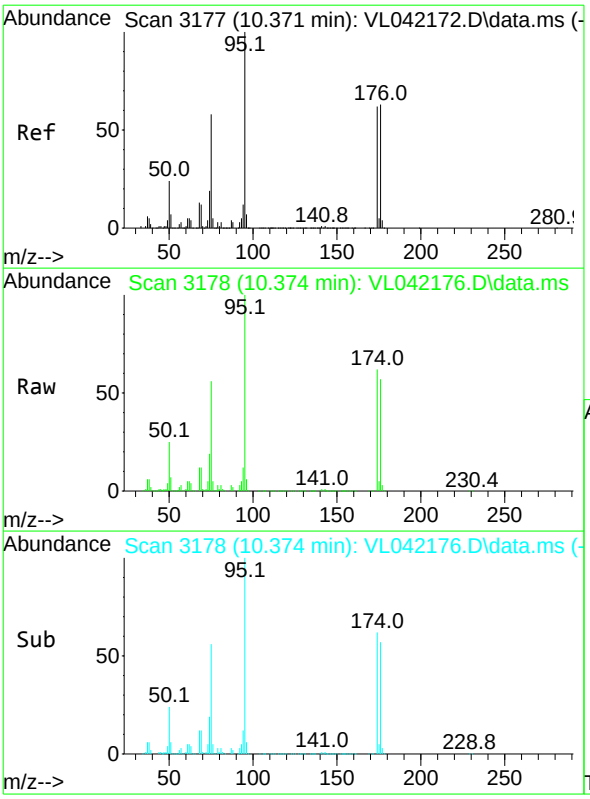


#63
1,1,2,2-Tetrachloroethane
Concen: 0.093 ppbv m
RT: 9.966 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 83 Resp: 3852

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	0.0	32.5	97.5#

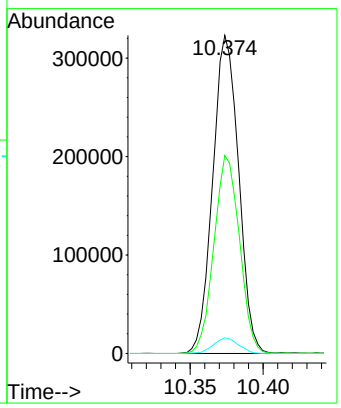




#68
1-Bromo-4-Fluorobenzene
Concen: 10.067 ppbv
RT: 10.374 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 95 Resp: 398069

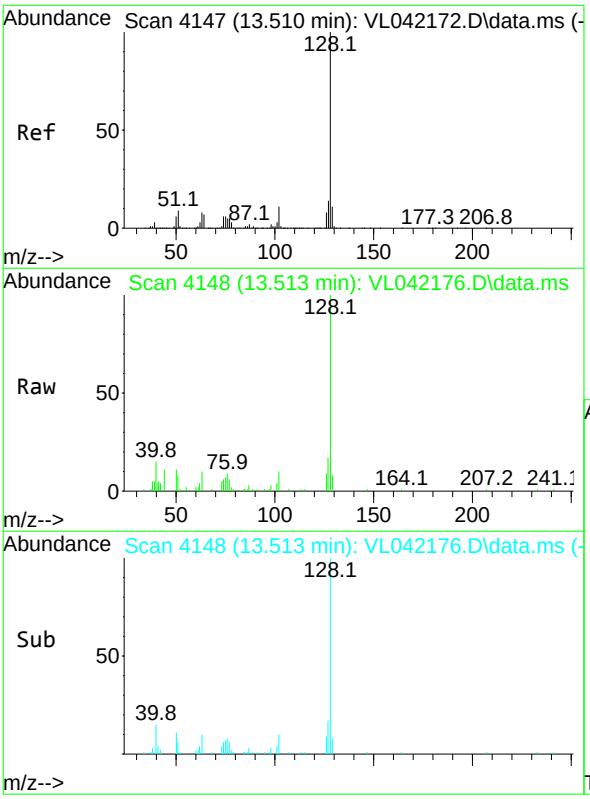
Ion	Ratio	Lower	Upper
95	100		
174	61.5	50.6	76.0
175	4.8	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

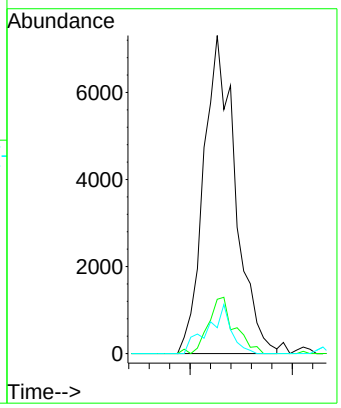
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#79
Naphthalene
Concen: 0.084 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:128 Resp: 7882

Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.8	16.2#
129	8.1	9.0	13.4#



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

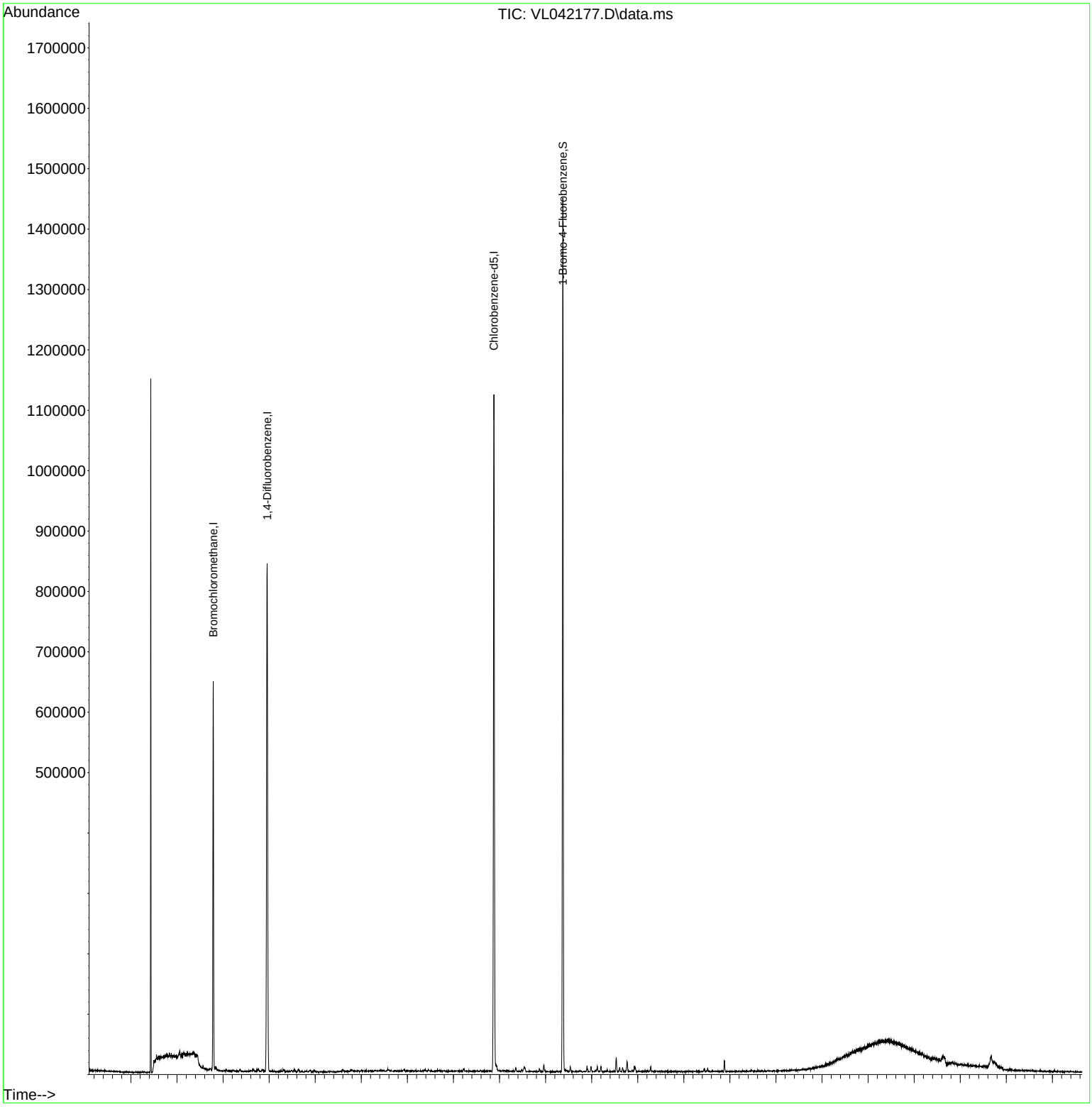
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042177.D
Acq On : 27 Mar 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

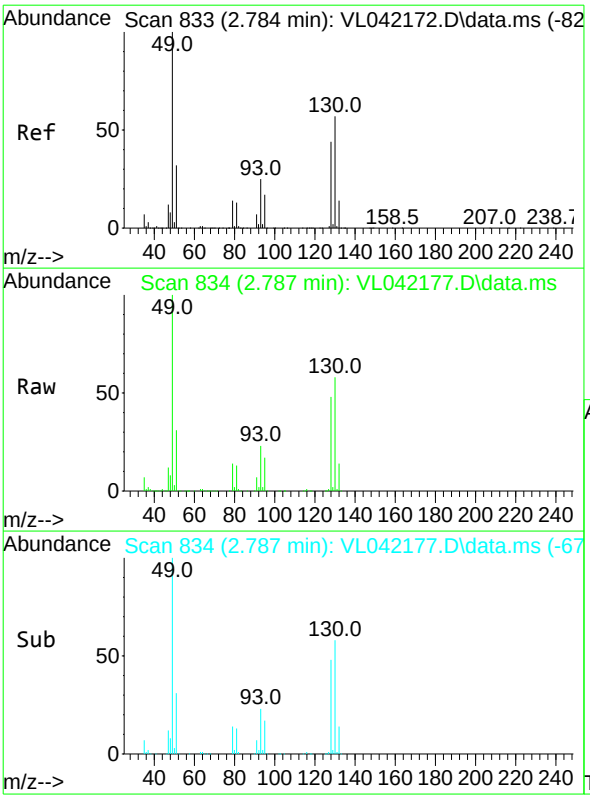
Quant Time: Mar 28 01:36:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

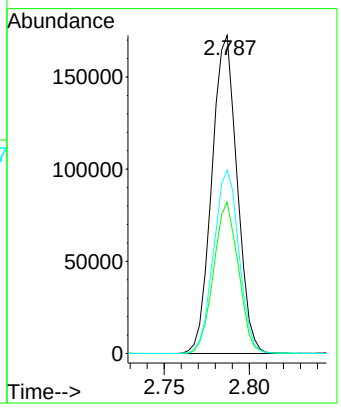




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 83
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 49 Resp: 178058

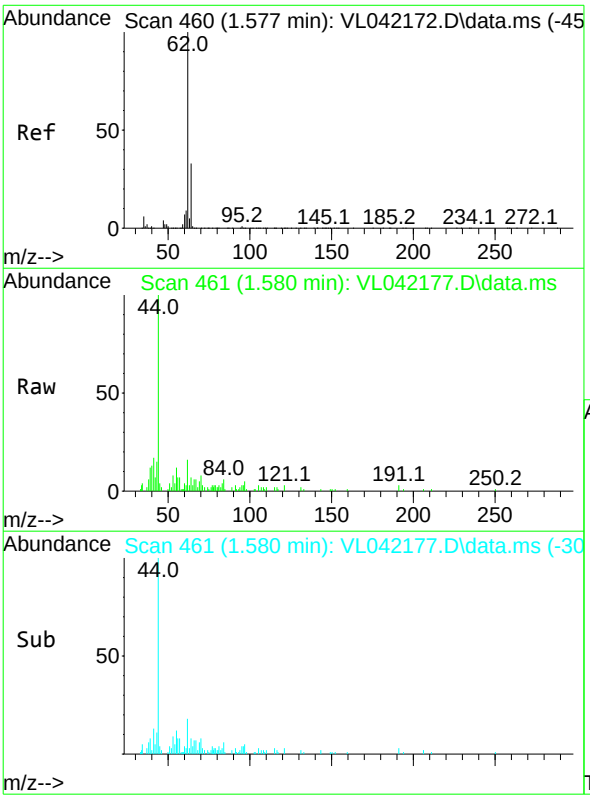
Ion	Ratio	Lower	Upper
49	100		
128	46.8	22.9	68.5
130	57.9	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

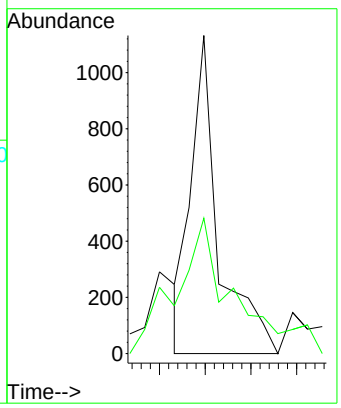
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

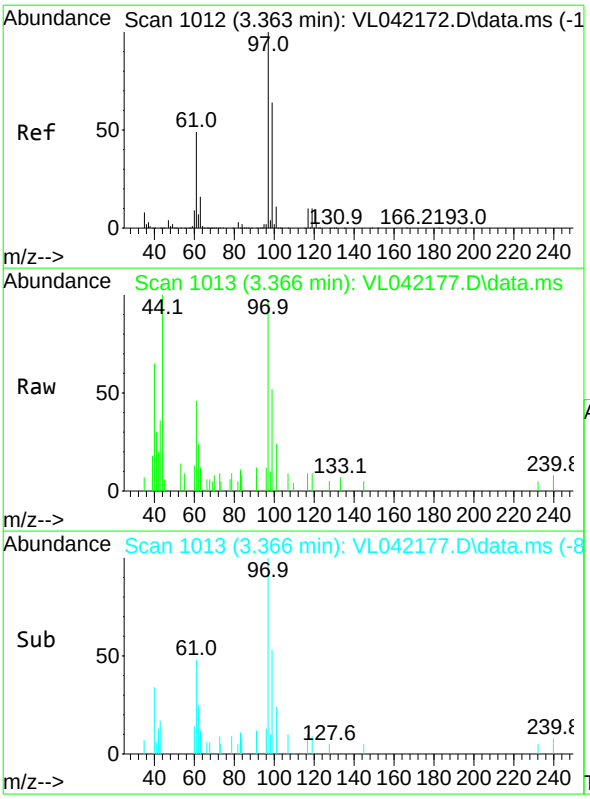


#5
Vinyl Chloride
Concen: 0.043 ppbv m
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 62 Resp: 471

Ion	Ratio	Lower	Upper
62	100		
64	42.6	26.6	40.0#

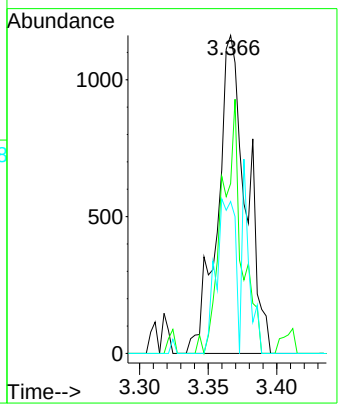




#32
1,1,1-Trichloroethane
Concen: 0.040 ppbv m
RT: 3.366 min Scan# 10
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 97 Resp: 1683

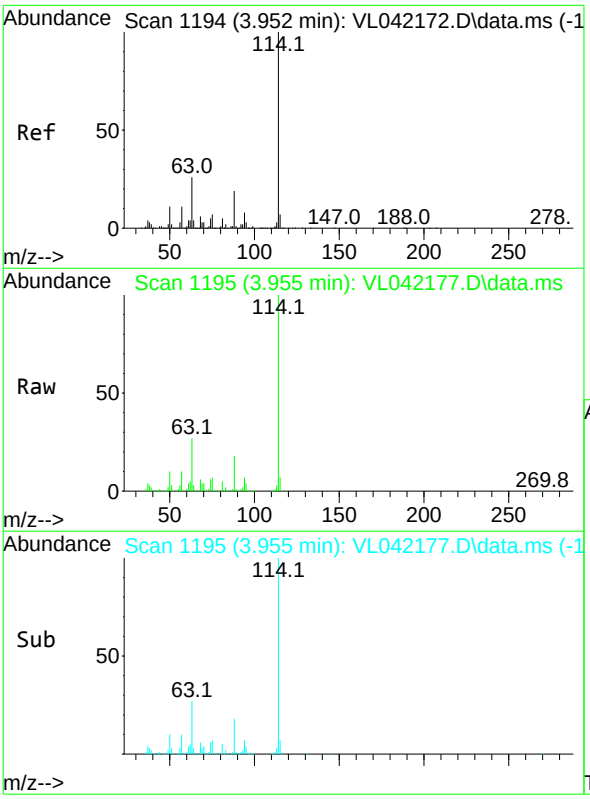
Ion	Ratio	Lower	Upper
97	100		
99	3.8	51.5	77.3#
61	2.1	38.7	58.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

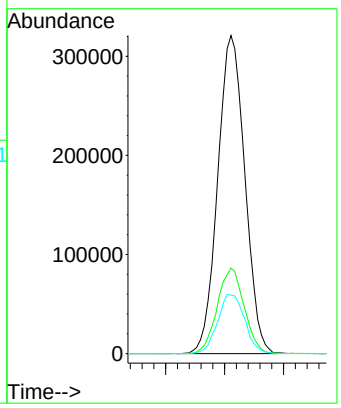
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

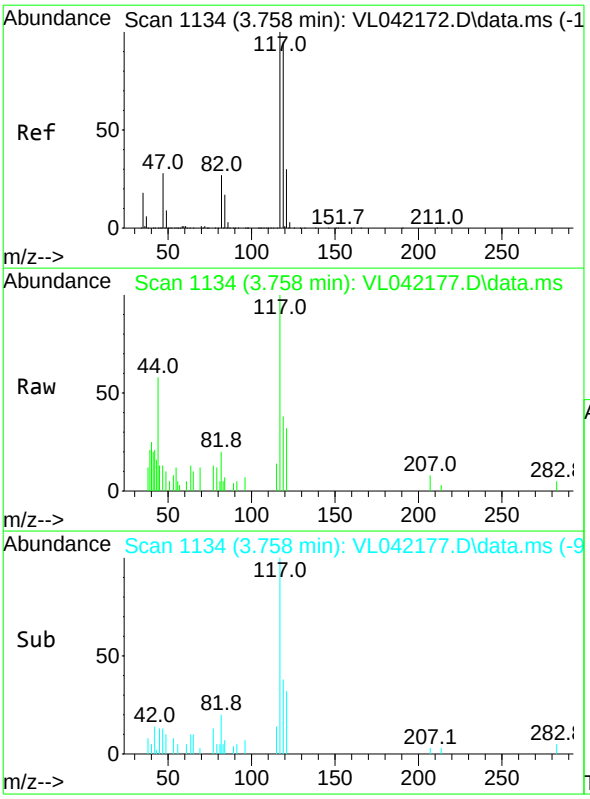


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:114 Resp: 512915

Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.7	31.1
88	18.6	15.0	22.4

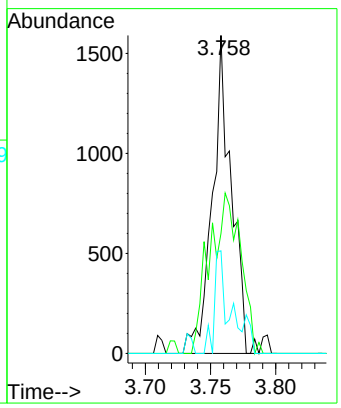




#35
Carbon Tetrachloride
Concen: 0.042 ppbv m
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:117 Resp: 1645

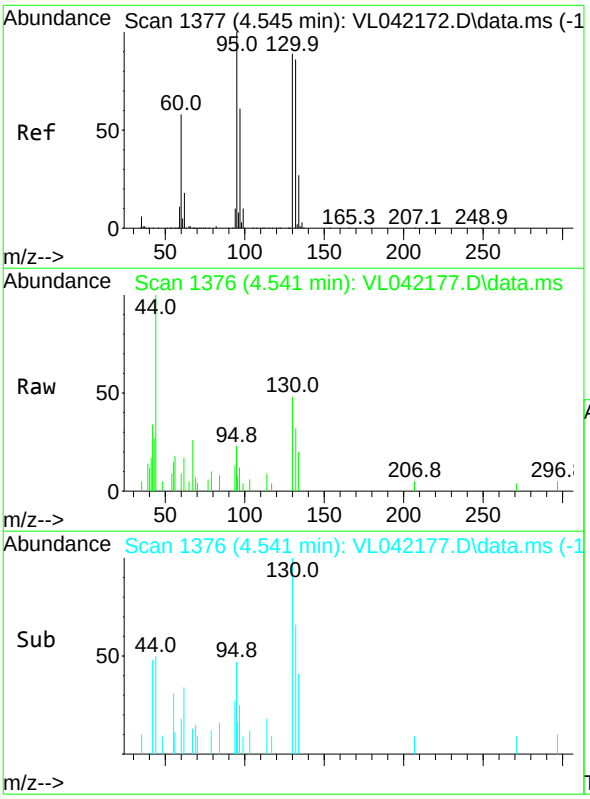
Ion	Ratio	Lower	Upper
117	100		
119	37.7	76.2	114.2#
121	32.3	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

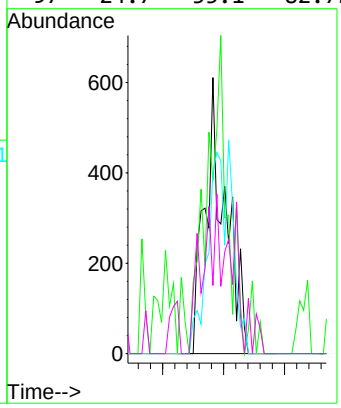
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

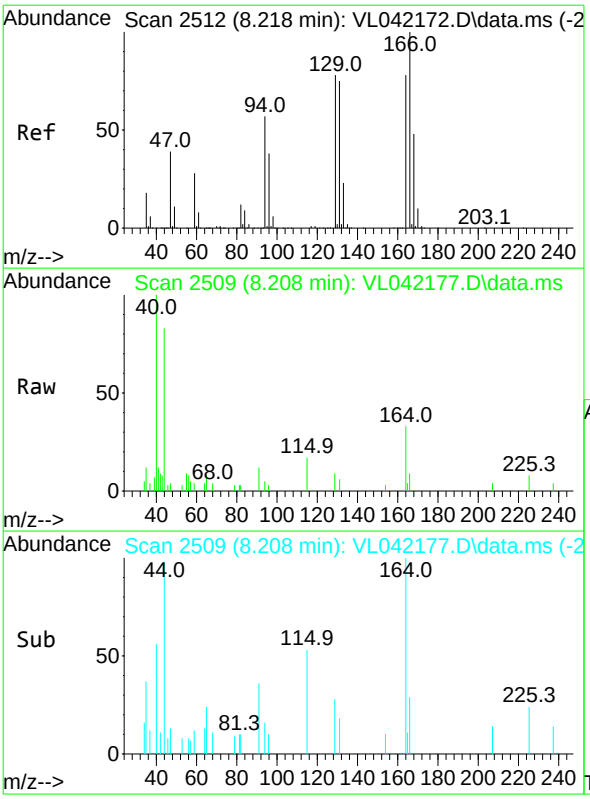


#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:130 Resp: 712

Ion	Ratio	Lower	Upper
130	100		
95	47.0	89.8	134.8#
132	65.6	77.4	116.2#
97	24.7	55.1	82.7#





#52
Tetrachloroethene
Concen: 0.044 ppbv m
RT: 8.208 min Scan# 25
Delta R.T. -0.010 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

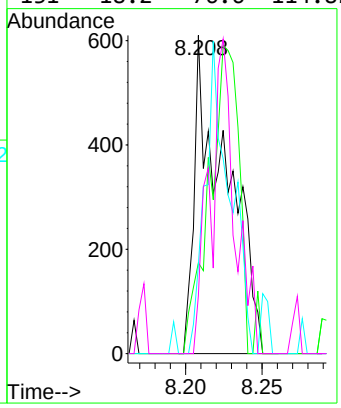
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

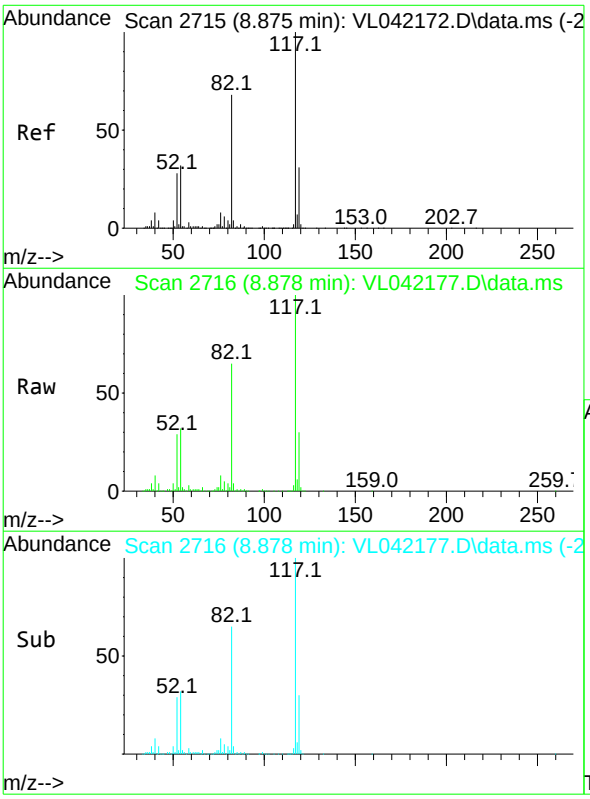
Tgt Ion:164 Resp: 880

Ion	Ratio	Lower	Upper
164	100		
166	28.5	102.5	153.7#
129	27.7	79.8	119.8#
131	18.2	76.6	114.8#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

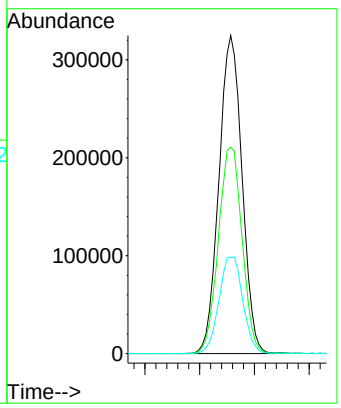


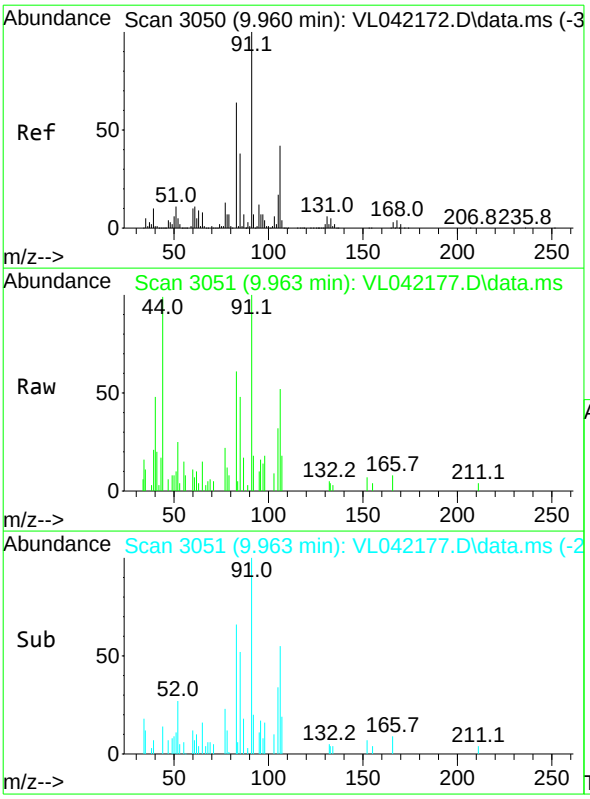


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:117 Resp: 475617

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	31.5	25.5	38.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv m
RT: 9.963 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

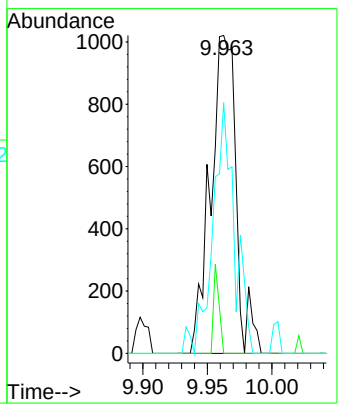
Tgt Ion: 83 Resp: 1407

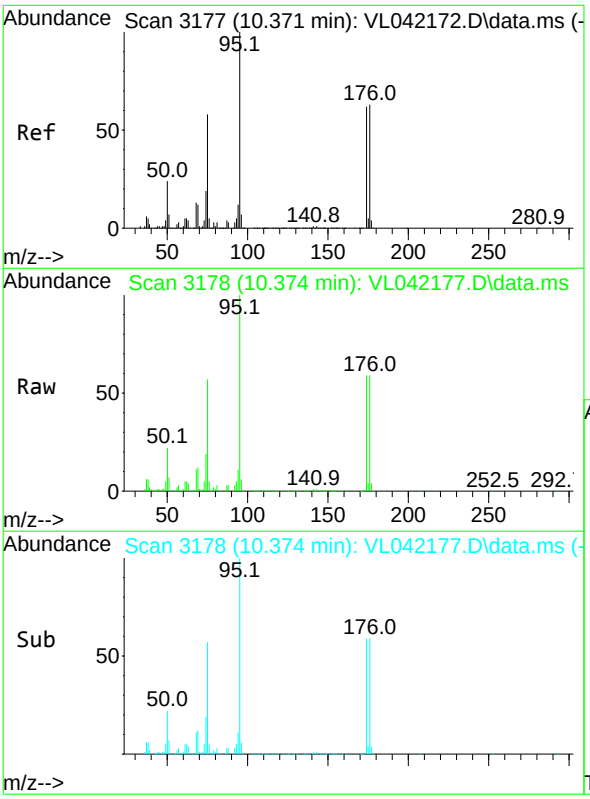
Ion	Ratio	Lower	Upper
83	100		
131	6.0	4.8	14.4
85	67.2	32.5	97.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

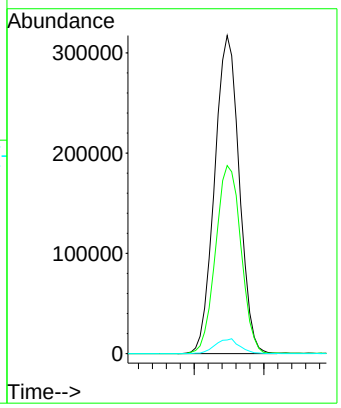




#68
1-Bromo-4-Fluorobenzene
Concen: 9.983 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 95 Resp: 389935

Ion	Ratio	Lower	Upper
95	100		
174	61.2	50.6	76.0
175	4.6	3.8	5.6



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

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)
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

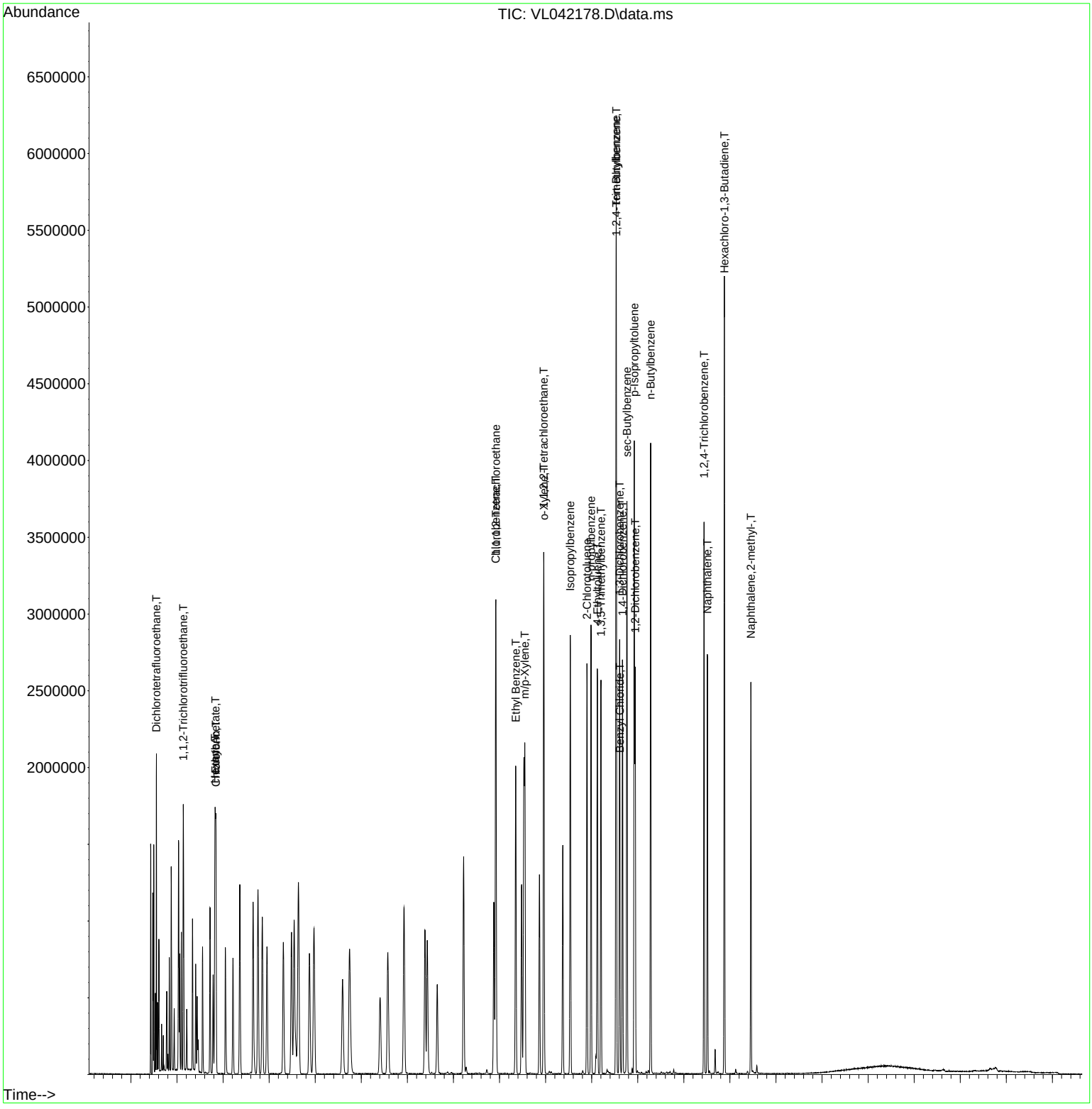
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

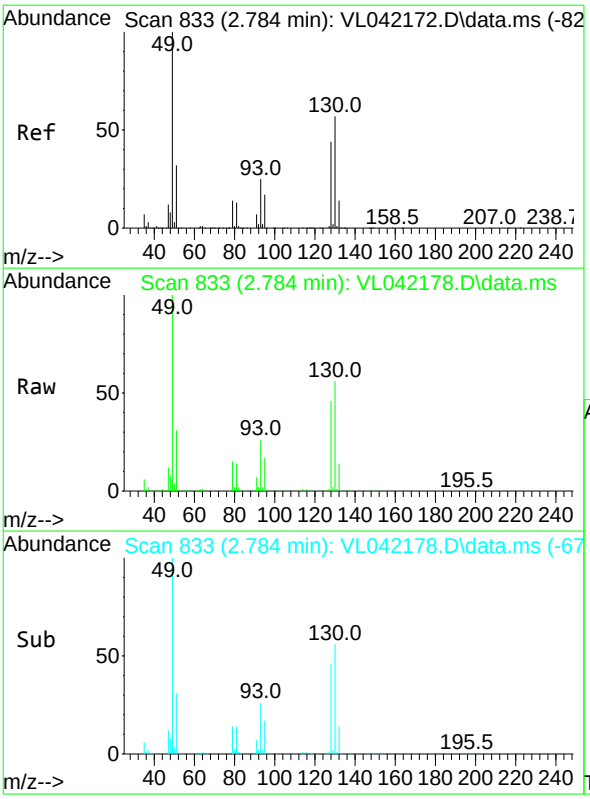
Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

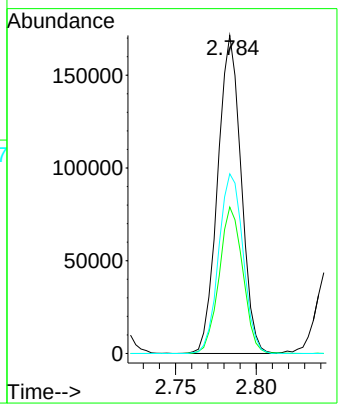




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 83
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 49 Resp: 173372

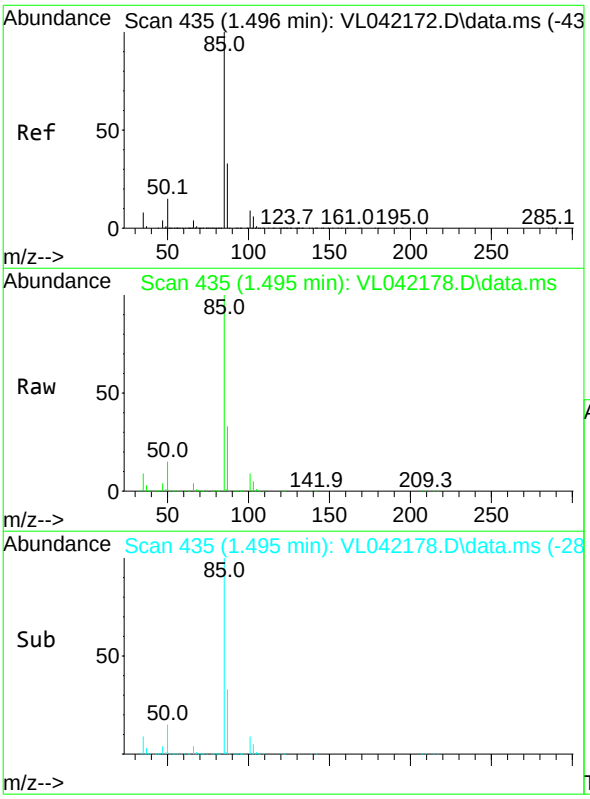
Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.9	68.5
130	58.7	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

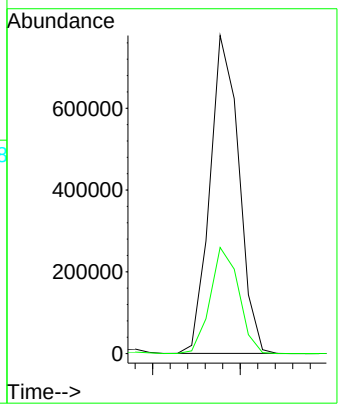
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

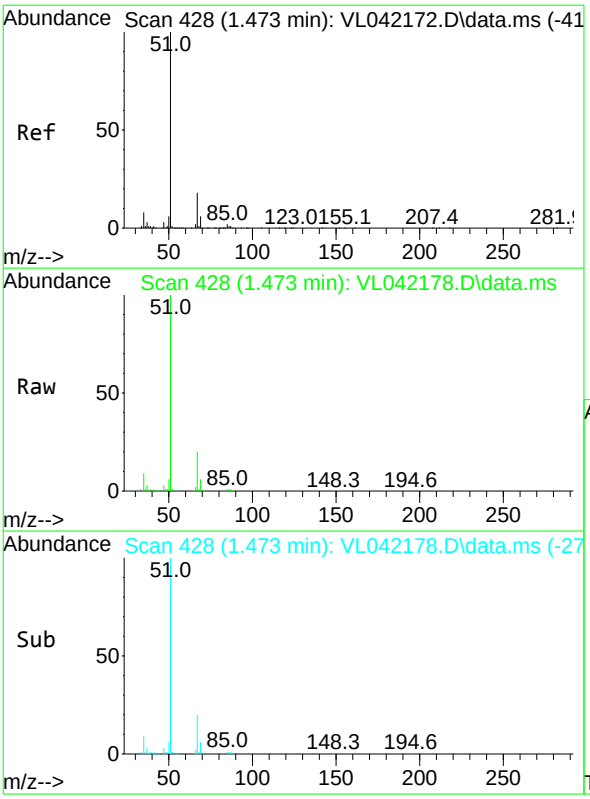


#2
Dichlorodifluoromethane
Concen: 14.023 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 85 Resp: 358962

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.1	39.1

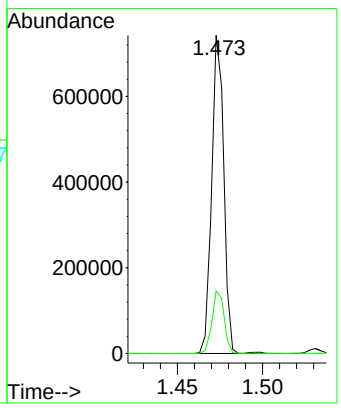




#3
Chlorodifluoromethane
Concen: 14.002 ppbv
RT: 1.473 min Scan# 42
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 51 Resp: 366164

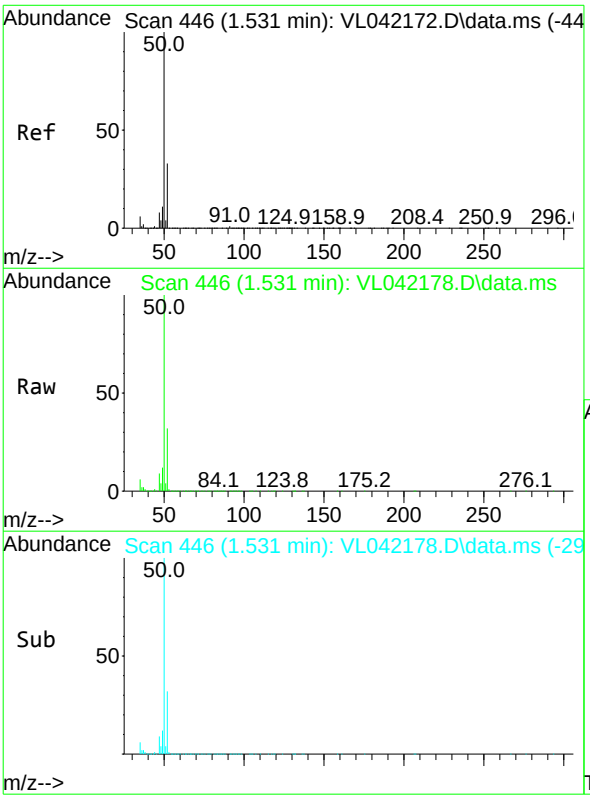
Ion	Ratio	Lower	Upper
51	100		
67	19.8	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

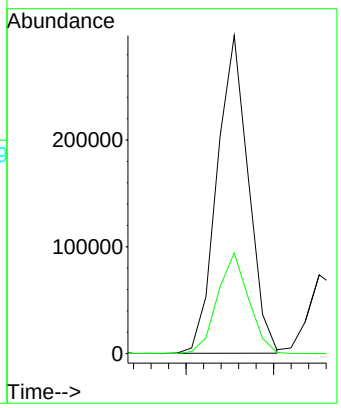
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

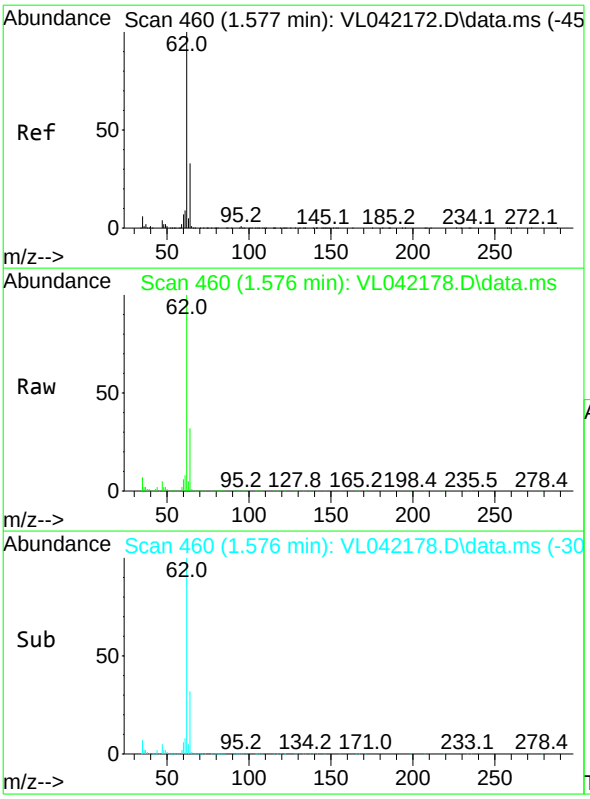


#4
Chloromethane
Concen: 14.160 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 50 Resp: 148133

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.1	39.1

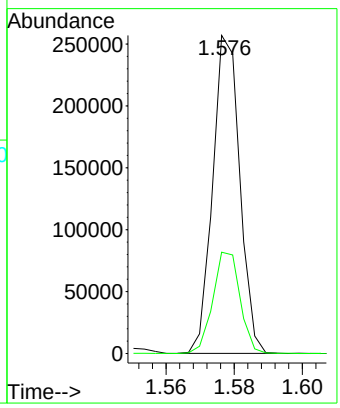




#5
Vinyl Chloride
Concen: 13.304 ppbv
RT: 1.576 min Scan# 46
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 62 Resp: 141938

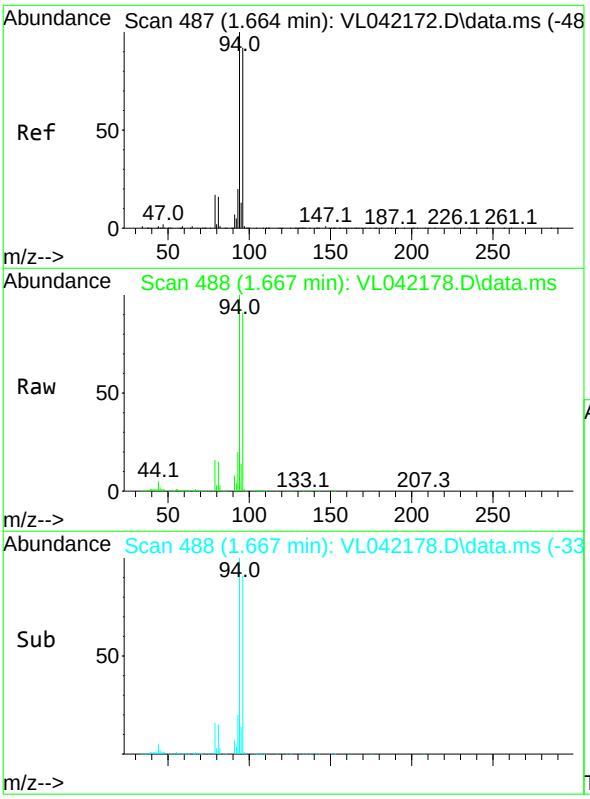
Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

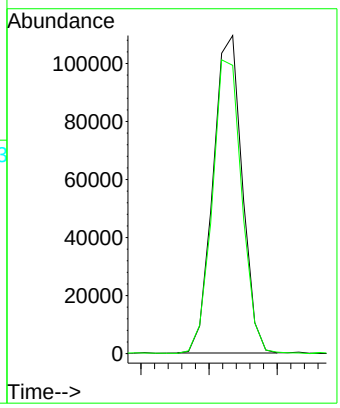
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

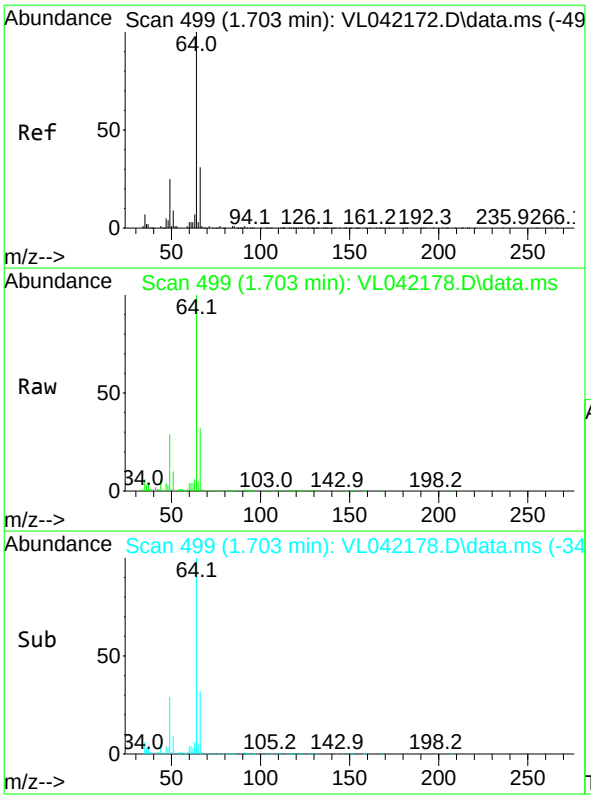


#6
Bromomethane
Concen: 13.734 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 94 Resp: 65113

Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.1	109.7

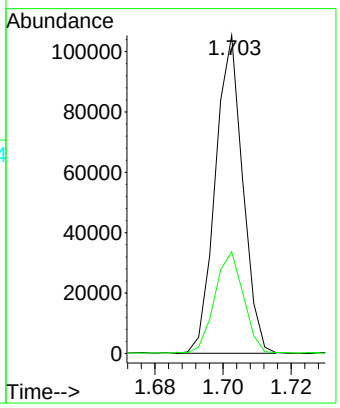




#7
Chloroethane
Concen: 14.007 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 64 Resp: 58820

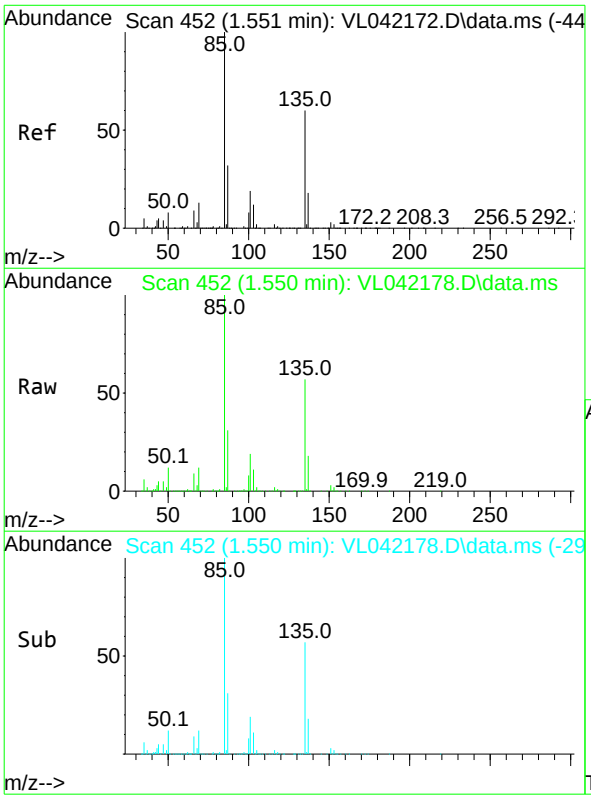
Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

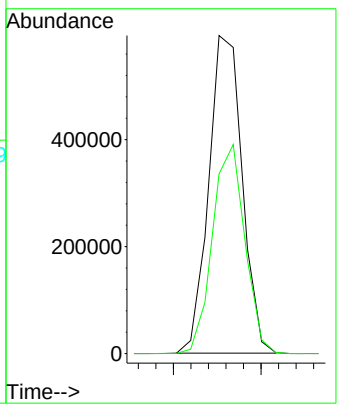
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

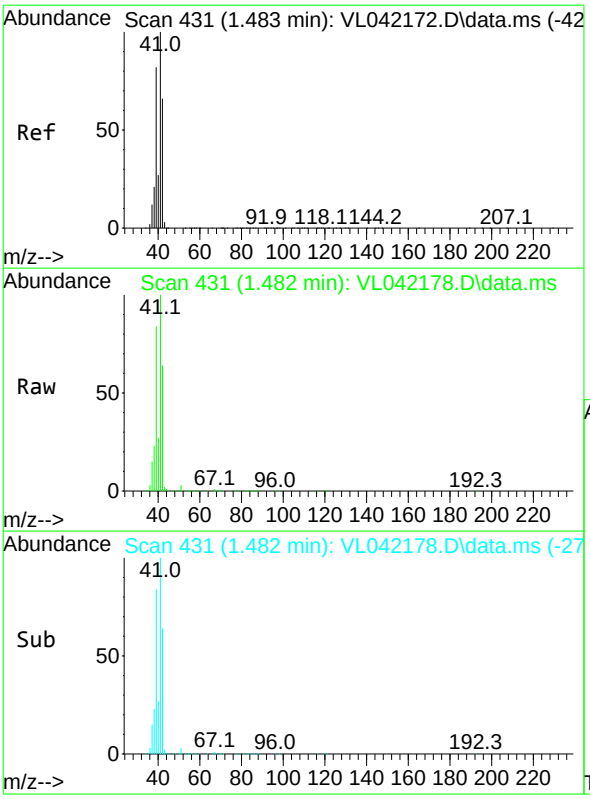


#8
Dichlorotetrafluoroethane
Concen: 14.442 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 85 Resp: 314834

Ion	Ratio	Lower	Upper
85	100		
135	63.8	52.4	78.6

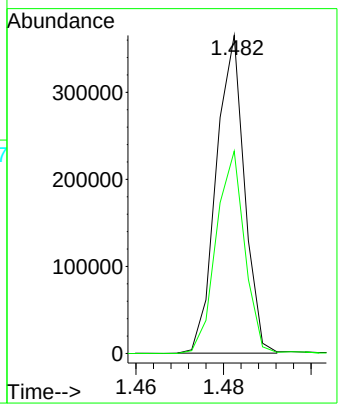




#9
Propene
Concen: 13.902 ppbv
RT: 1.482 min Scan# 43
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 41 Resp: 163799

Ion	Ratio	Lower	Upper
41	100		
42	65.3	55.4	83.2



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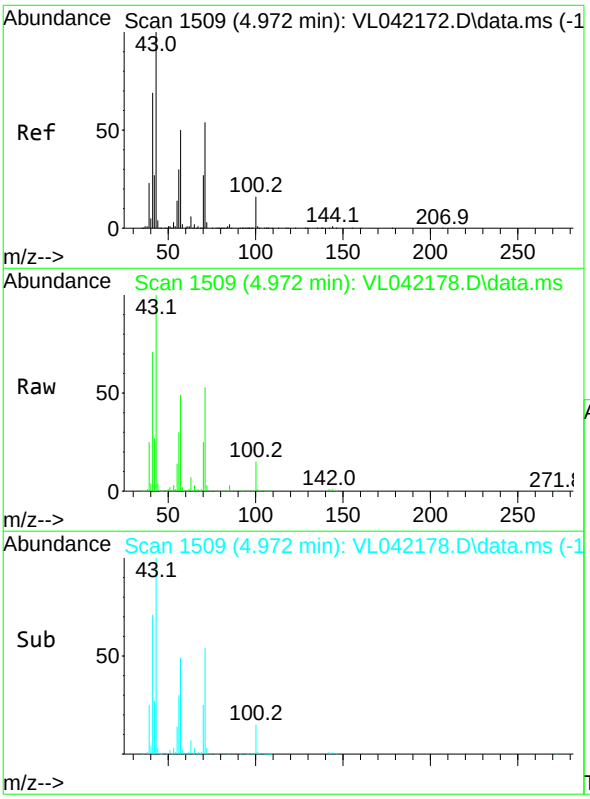
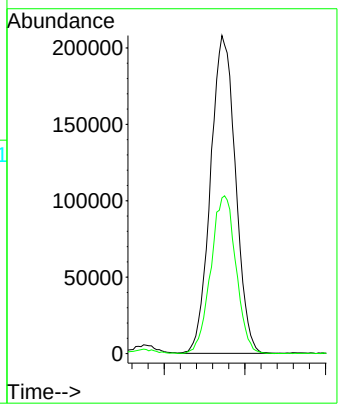
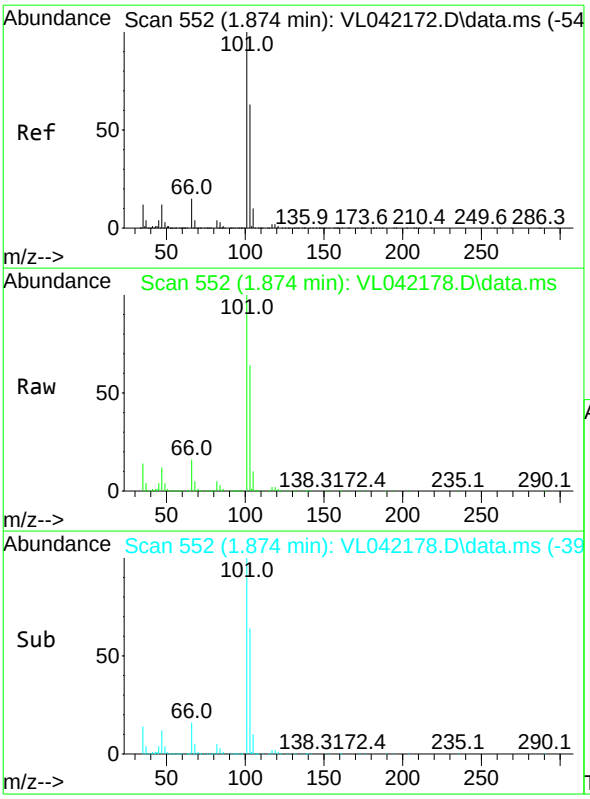


#10
Heptane
Concen: 14.019 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 446949

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.4	59.2





#11
Trichlorofluoromethane
Concen: 14.050 ppbv
RT: 1.874 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:101 Resp: 349967

Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.2	75.2

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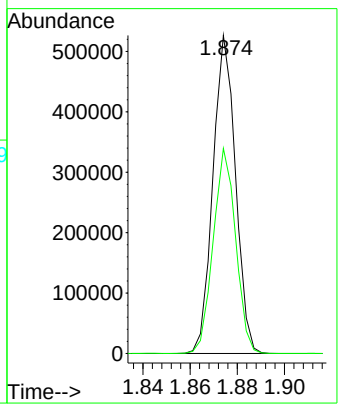
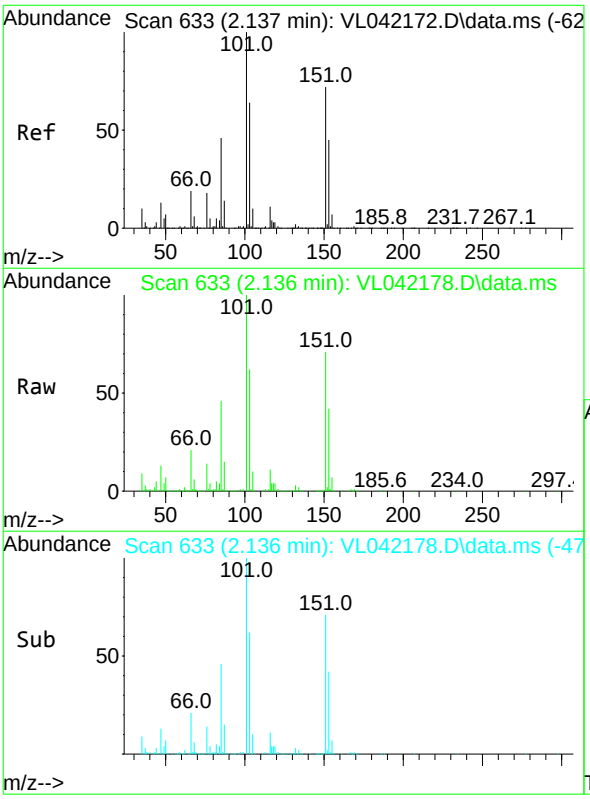
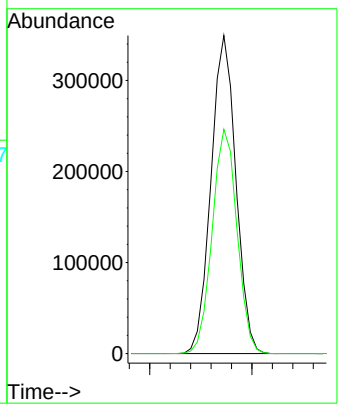


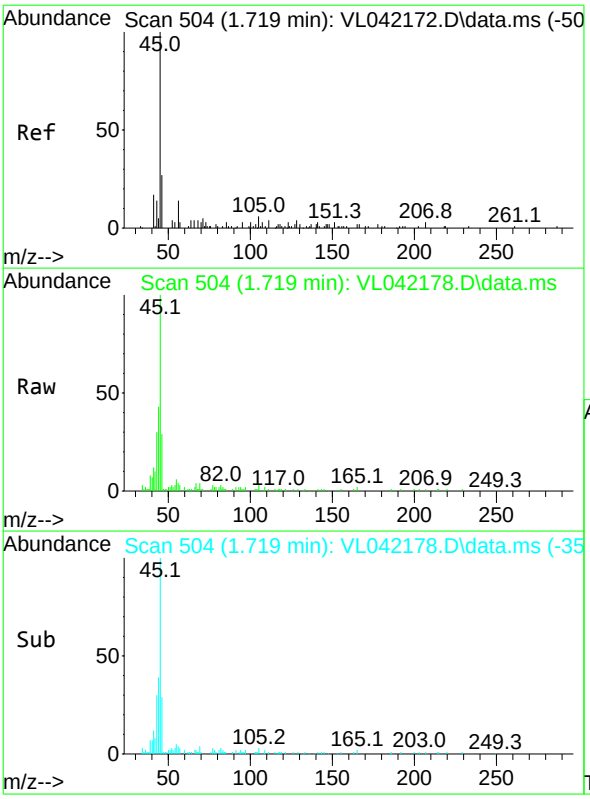


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.419 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:101 Resp: 295217

Ion	Ratio	Lower	Upper
101	100		
151	70.4	57.1	85.7

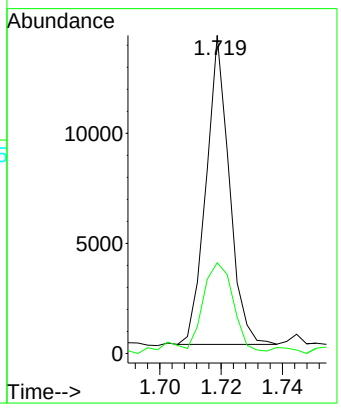




#13
Ethanol
Concen: 8.001 ppbv
RT: 1.719 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 45 Resp: 7382

Ion	Ratio	Lower	Upper
45	100		
46	44.6	20.2	80.8



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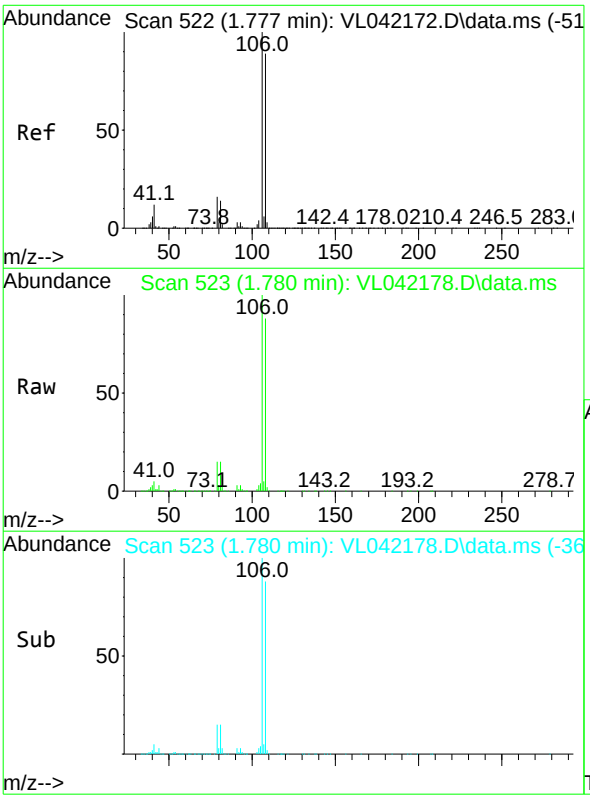
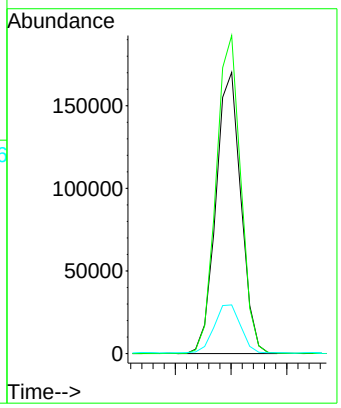
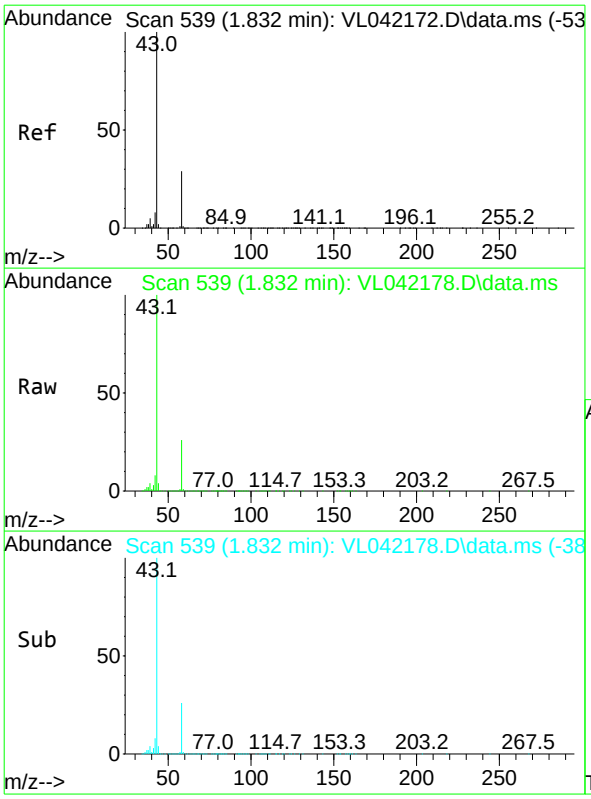


#14
Bromoethene
Concen: 13.571 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:108 Resp: 106436

Ion	Ratio	Lower	Upper
108	100		
106	110.9	86.8	130.2
79	18.8	15.0	22.6

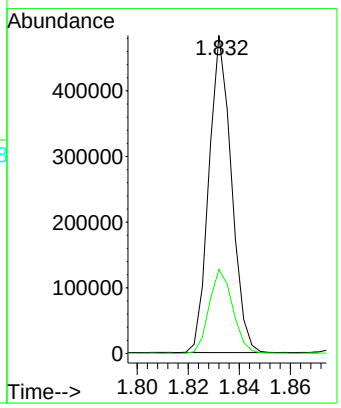




#15
Acetone
Concen: 12.218 ppbv
RT: 1.832 min Scan# 53
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 296254

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.2	34.8



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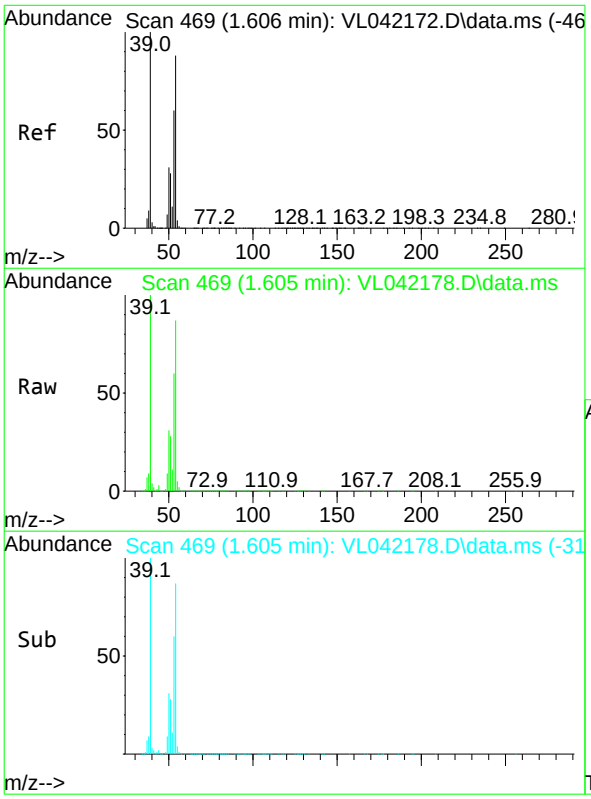
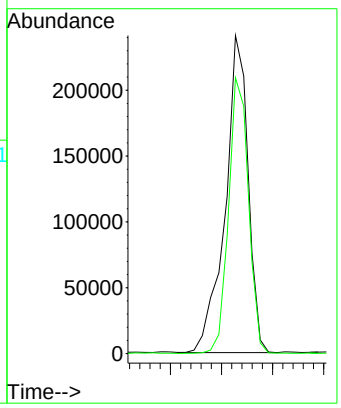
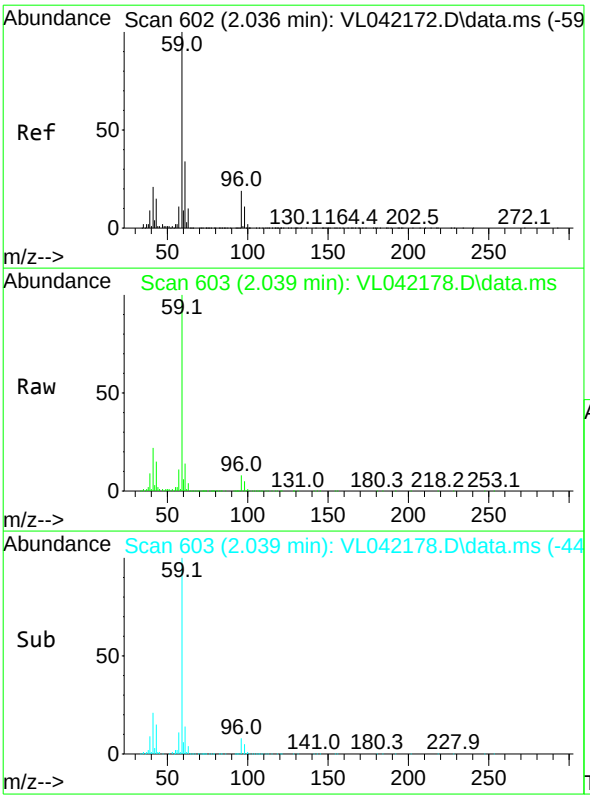


#16
1,3-Butadiene
Concen: 13.766 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 39 Resp: 150122

Ion	Ratio	Lower	Upper
39	100		
54	76.3	60.7	91.1

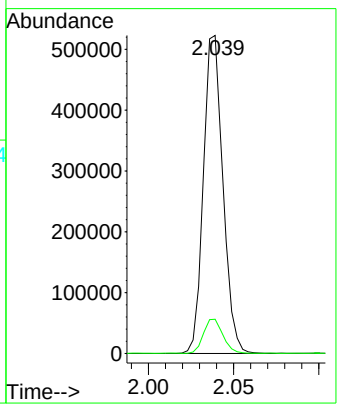




#17
tert-Butyl alcohol
Concen: 13.787 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 59 Resp: 416362

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.9	13.3



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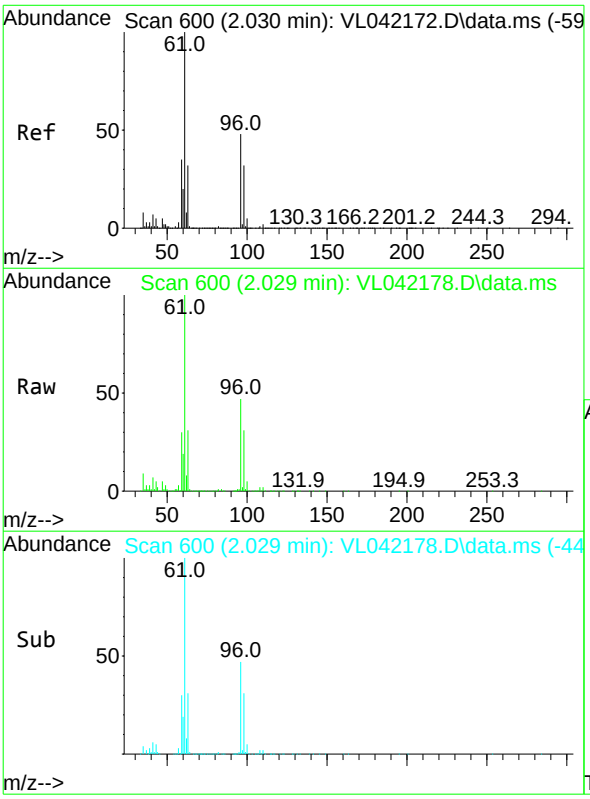
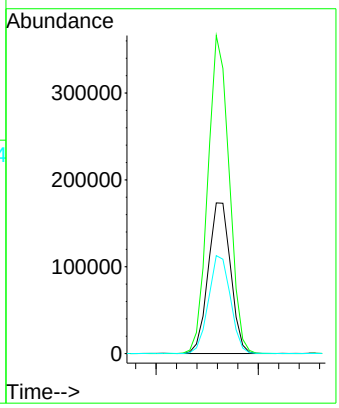
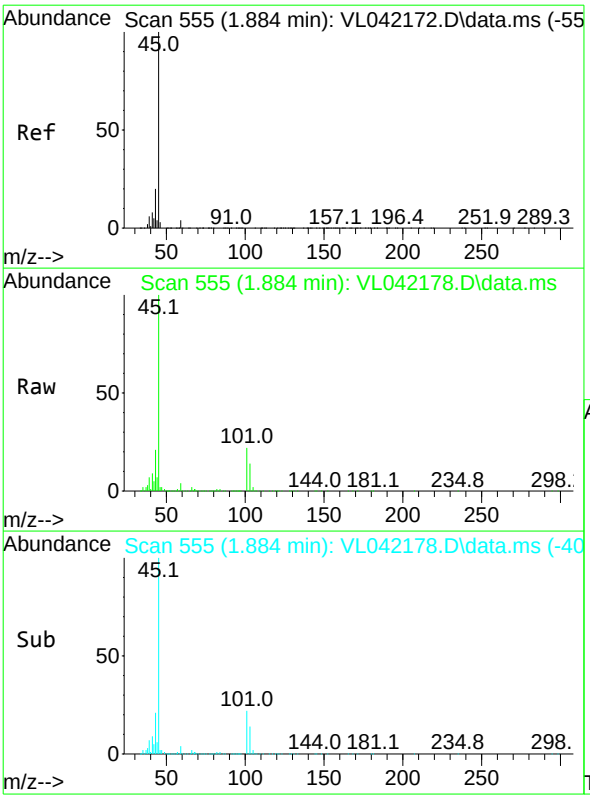


#18
1,1-Dichloroethene
Concen: 13.762 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 96 Resp: 131720

Ion	Ratio	Lower	Upper
96	100		
61	211.1	167.6	251.4
98	64.9	53.5	80.3

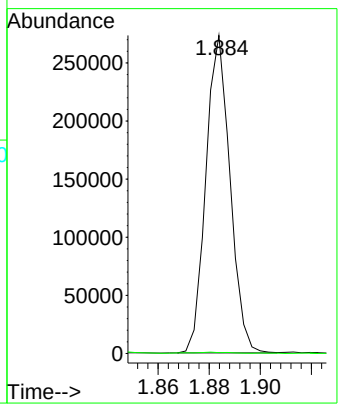




#19
Isopropyl Alcohol
Concen: 13.093 ppbv
RT: 1.884 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 45 Resp: 179117

Ion	Ratio	Lower	Upper
45	100		
58	46.4	36.9	55.3



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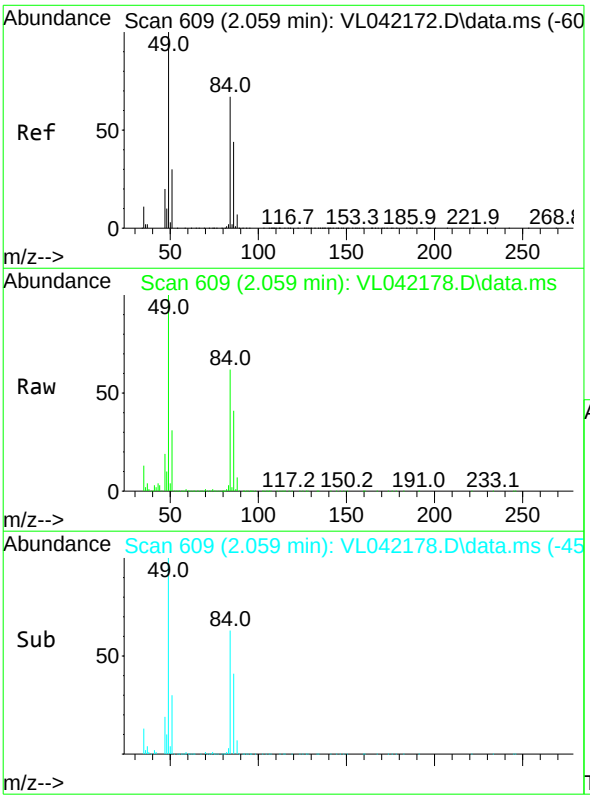
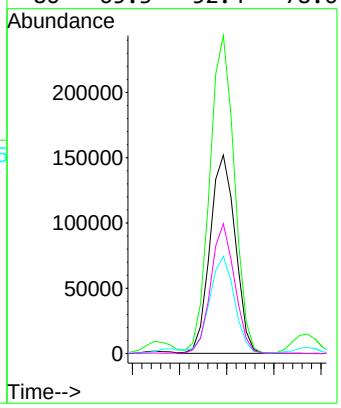
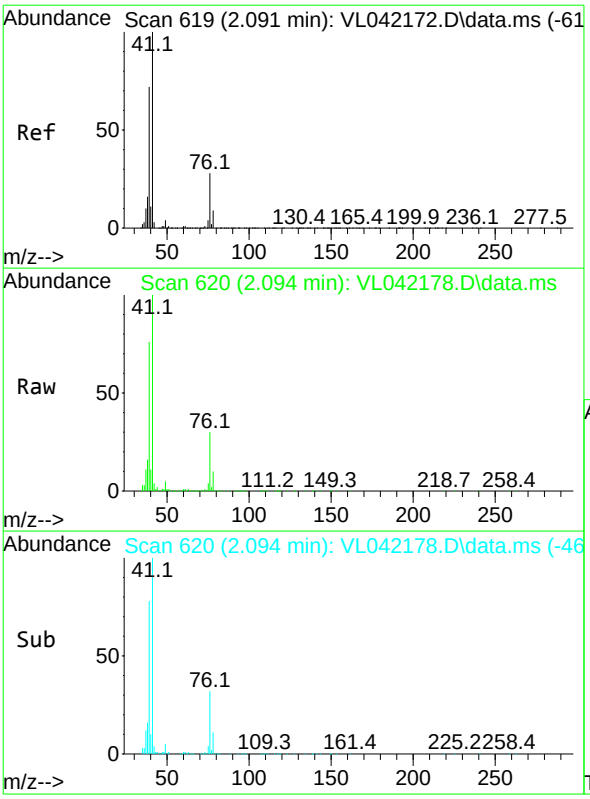


#20
Methylene Chloride
Concen: 12.533 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 84 Resp: 113183

Ion	Ratio	Lower	Upper
84	100		
49	159.7	120.2	180.4
51	48.7	37.4	56.0
86	65.3	52.4	78.6





#21
Allyl Chloride
Concen: 14.002 ppbv
RT: 2.094 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 41 Resp: 239440

Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.1	36.1
39	76.1	61.1	91.7

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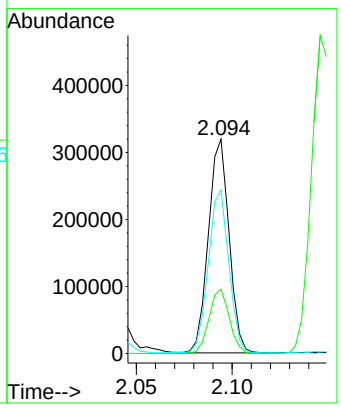
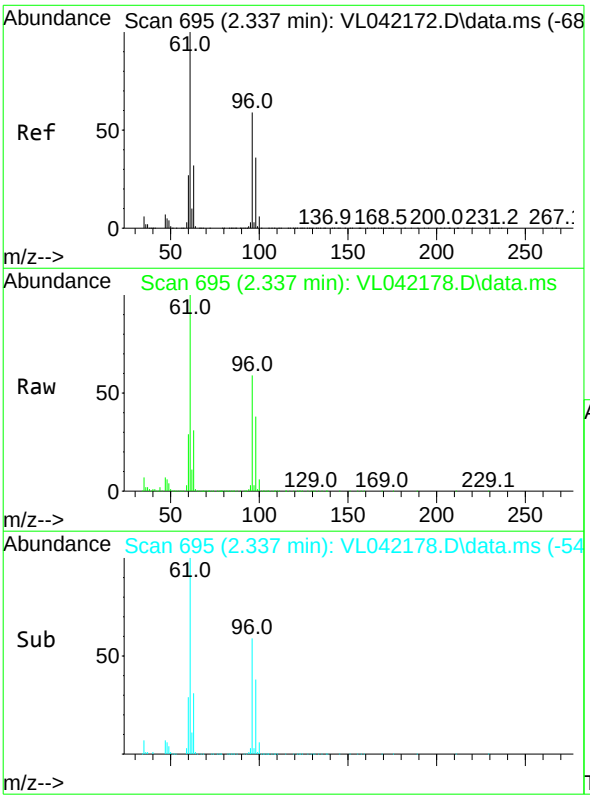
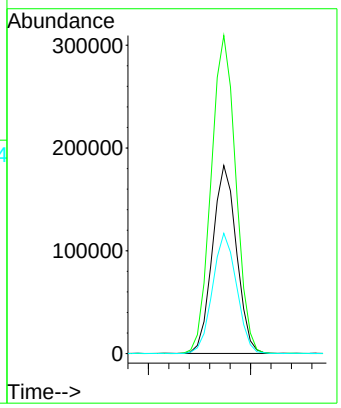


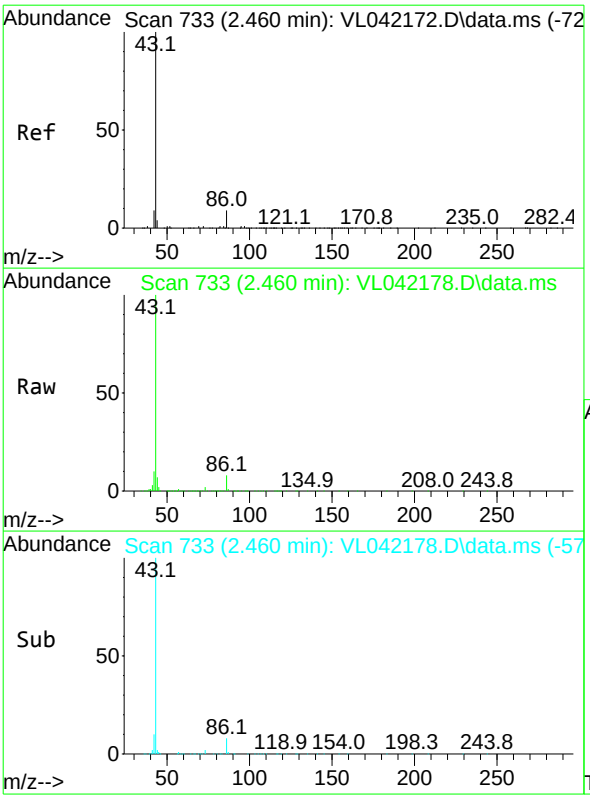


#22
trans-1,2-Dichloroethene
Concen: 13.362 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 96 Resp: 149455

Ion	Ratio	Lower	Upper
96	100		
61	169.2	136.6	204.8
98	63.9	49.4	74.2

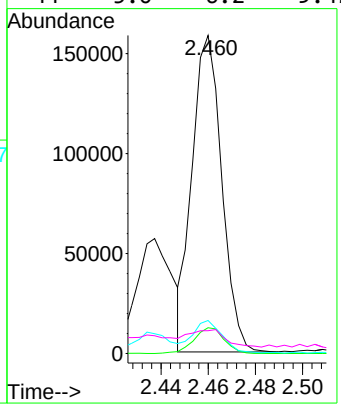




#23
Vinyl Acetate
Concen: 13.736 ppbv
RT: 2.460 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 138419

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.1	8.6	13.0
44	5.0	6.2	9.4#



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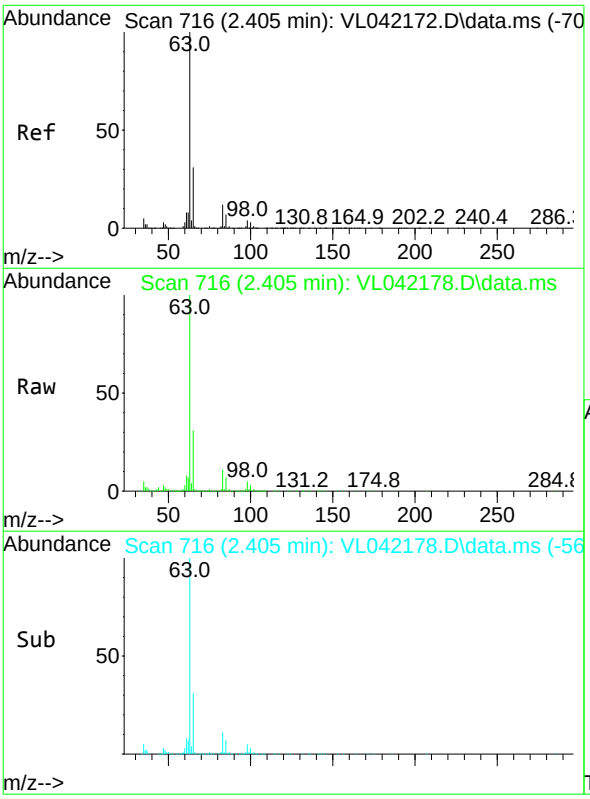
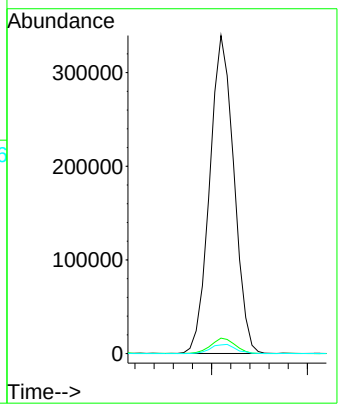
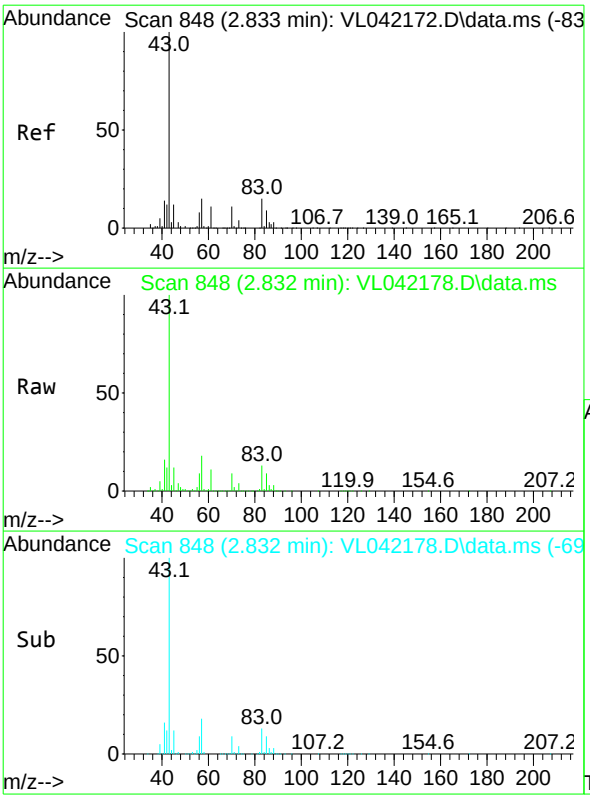


#24
1,1-Dichloroethane
Concen: 14.570 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 63 Resp: 298760

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	2.7	1.6	4.7

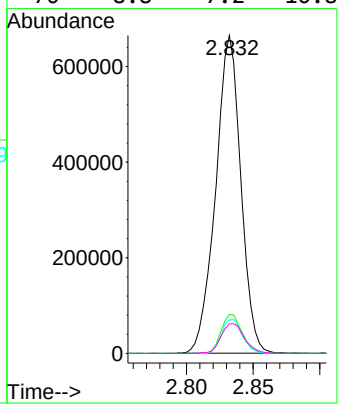




#25
Ethyl Acetate
Concen: 13.855 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 871882

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.0	7.3	10.9
70	8.8	7.2	10.8



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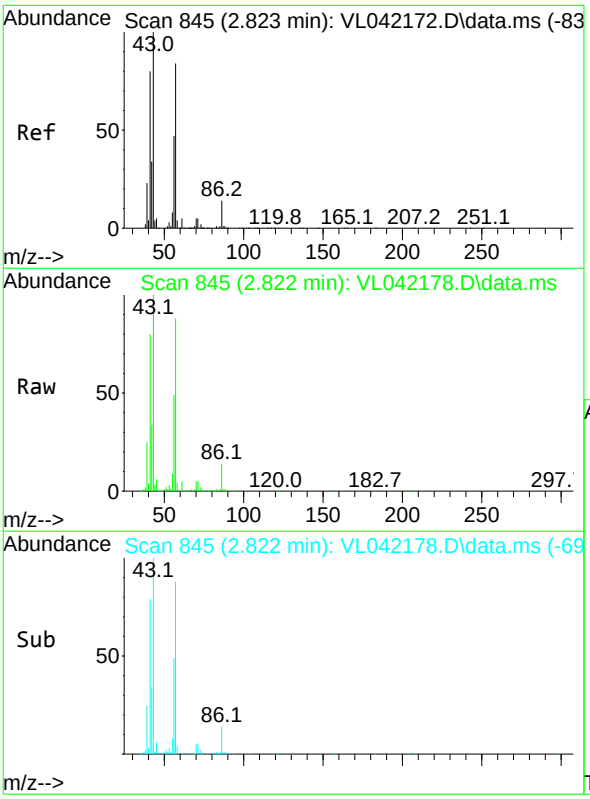
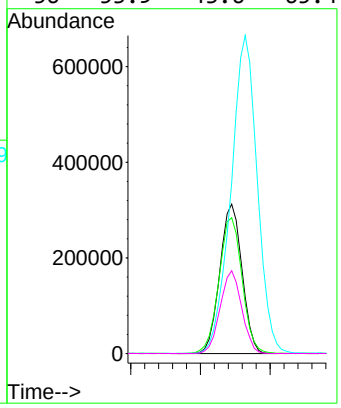
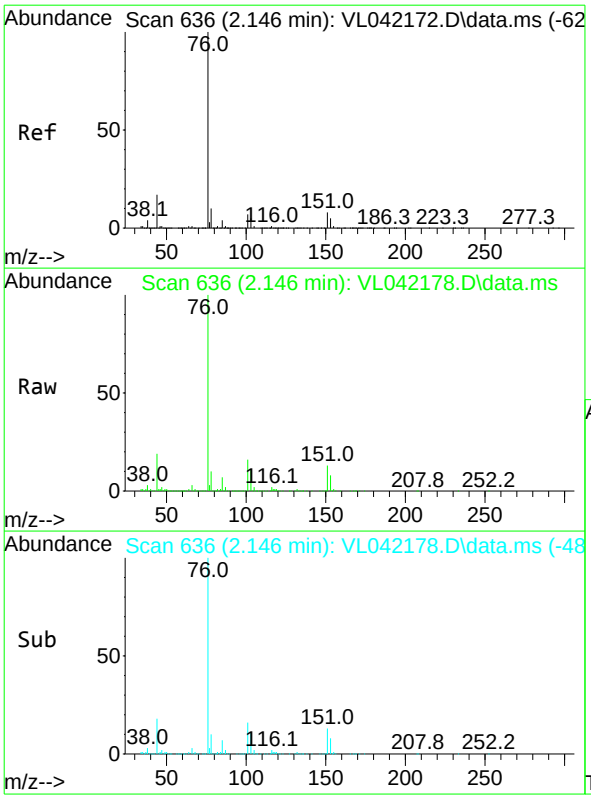


#26
Hexane
Concen: 14.178 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 57 Resp: 344636

Ion	Ratio	Lower	Upper
57	100		
41	96.1	76.6	114.8
43	254.0	207.8	311.8
56	53.9	43.6	65.4

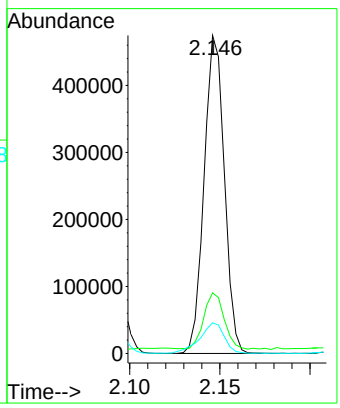




#27
Carbon Disulfide
Concen: 14.196 ppbv
RT: 2.146 min Scan# 63
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 76 Resp: 370022

Ion	Ratio	Lower	Upper
76	100		
44	20.3	14.7	22.1
78	11.7	9.3	13.9



Instrument :
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ClientSampleId :
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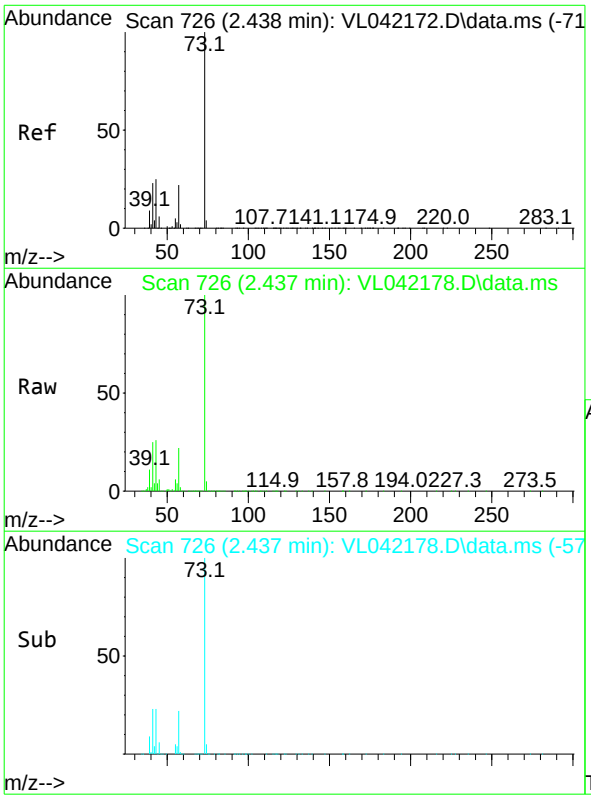
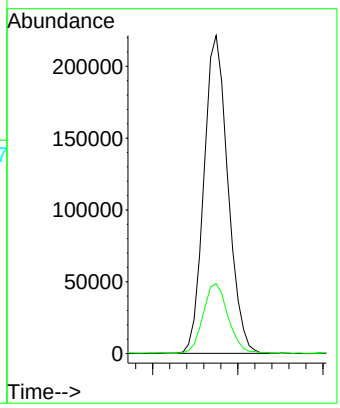
Supervised By :Mahesh Dadoda 04/03/2025

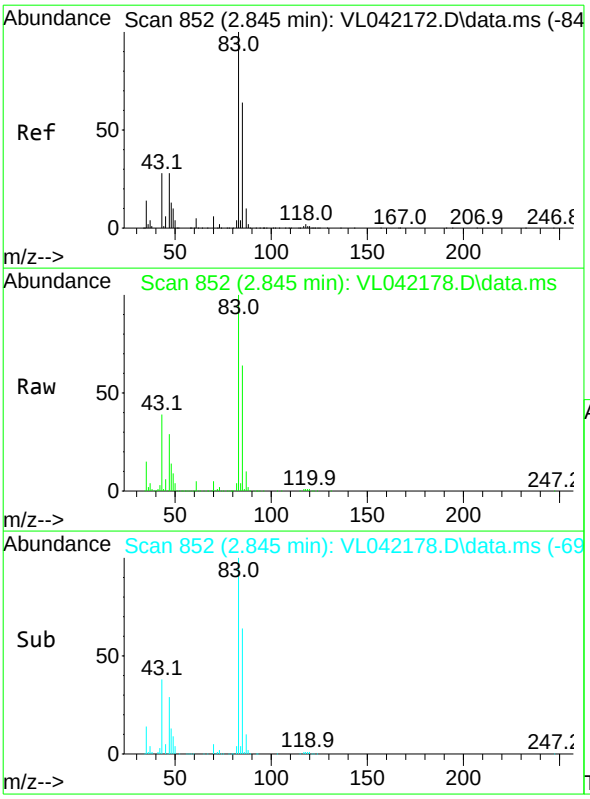


#28
Methyl tert-Butyl Ether
Concen: 14.303 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 73 Resp: 216463

Ion	Ratio	Lower	Upper
73	100		
57	23.2	20.5	30.7





#29
Chloroform
Concen: 14.297 ppbv
RT: 2.845 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 83 Resp: 508614

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2

Instrument :
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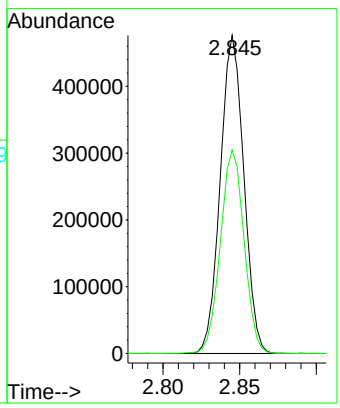
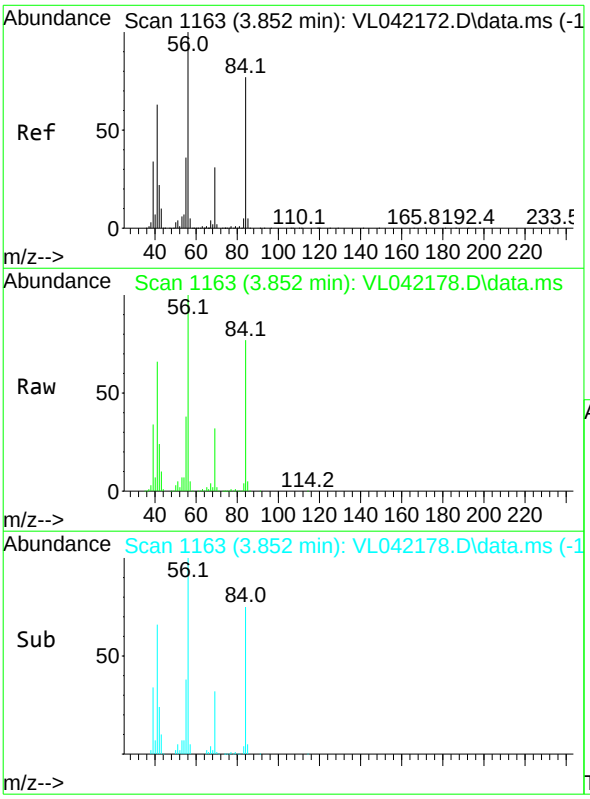
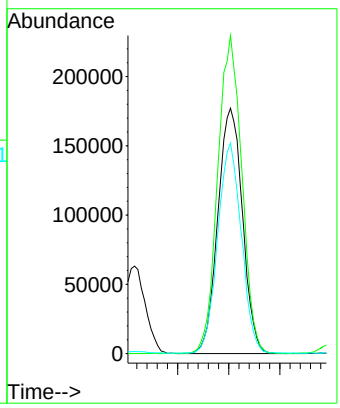


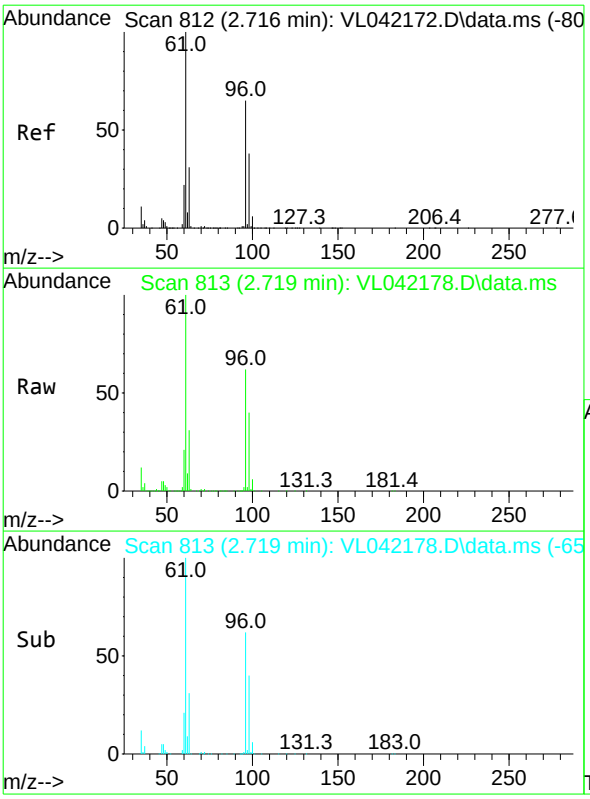


#30
Cyclohexane
Concen: 14.040 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 84 Resp: 296458

Ion	Ratio	Lower	Upper
84	100		
56	126.7	102.8	154.2
41	82.6	66.5	99.7

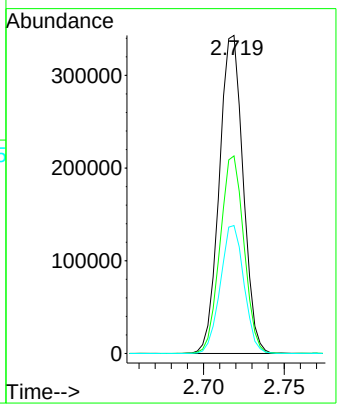




#31
cis-1,2-Dichloroethene
Concen: 14.262 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 61 Resp: 351945

Ion	Ratio	Lower	Upper
61	100		
96	62.1	51.8	77.8
98	40.2	30.6	46.0



Instrument :
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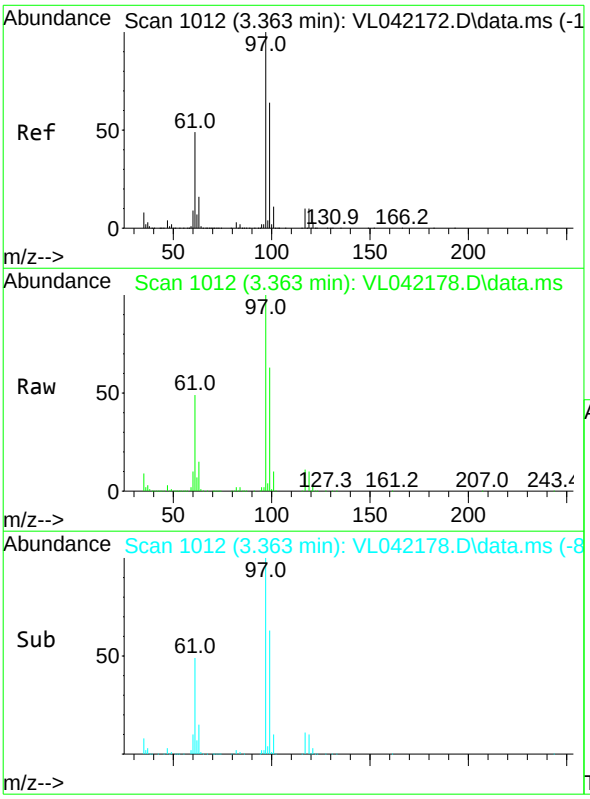
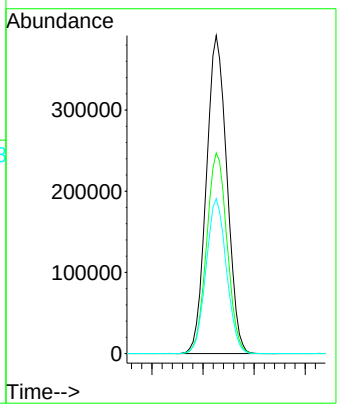
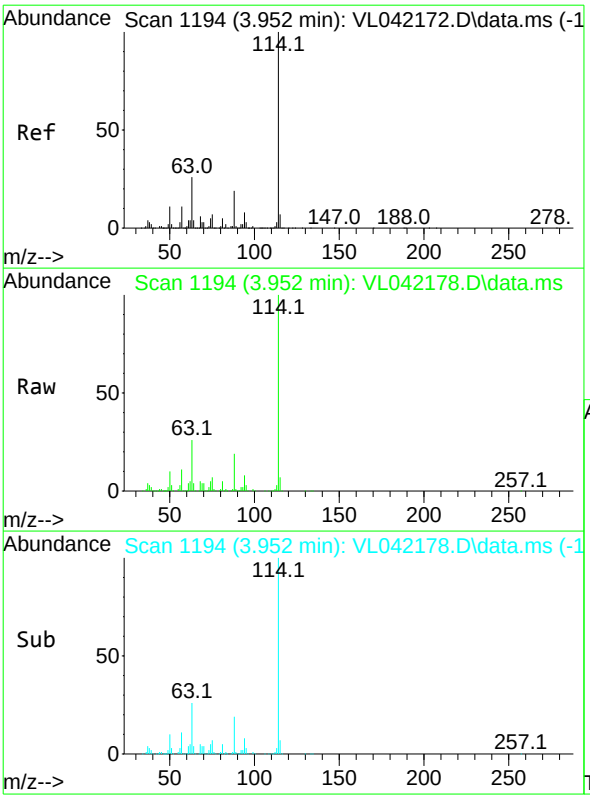


#32
1,1,1-Trichloroethane
Concen: 13.448 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 97 Resp: 547329

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.5	77.3
61	48.4	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:114 Resp: 499360

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.7	31.1
88	18.4	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
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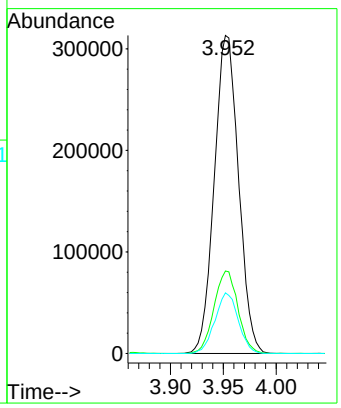
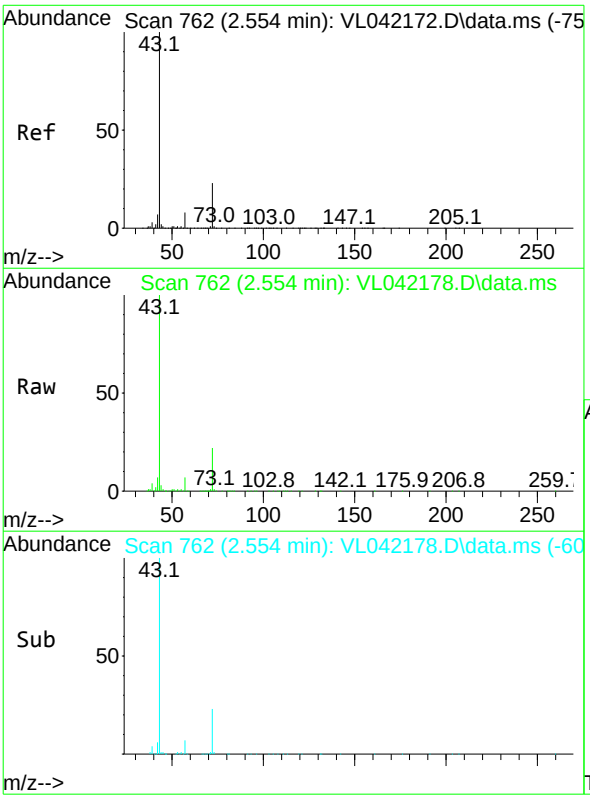
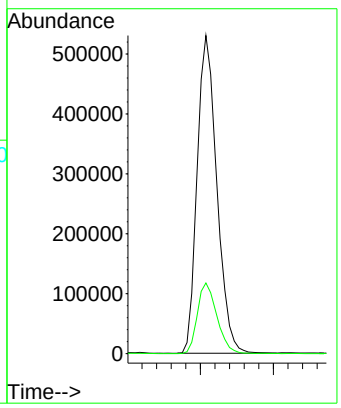


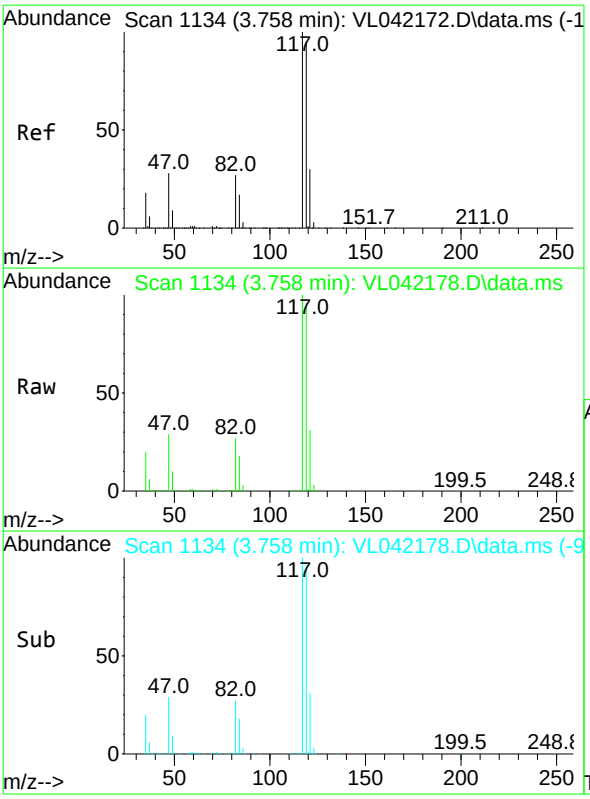


#34
2-Butanone
Concen: 13.726 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 497020

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2

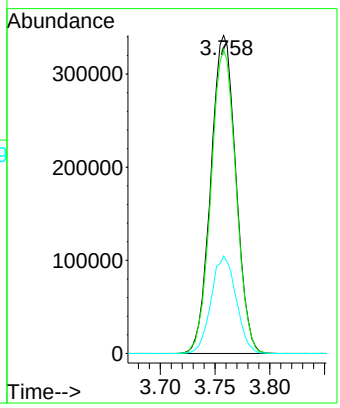




#35
Carbon Tetrachloride
Concen: 14.140 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:117 Resp: 543385

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	30.6	24.2	36.4



Instrument :
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ClientSampleId :
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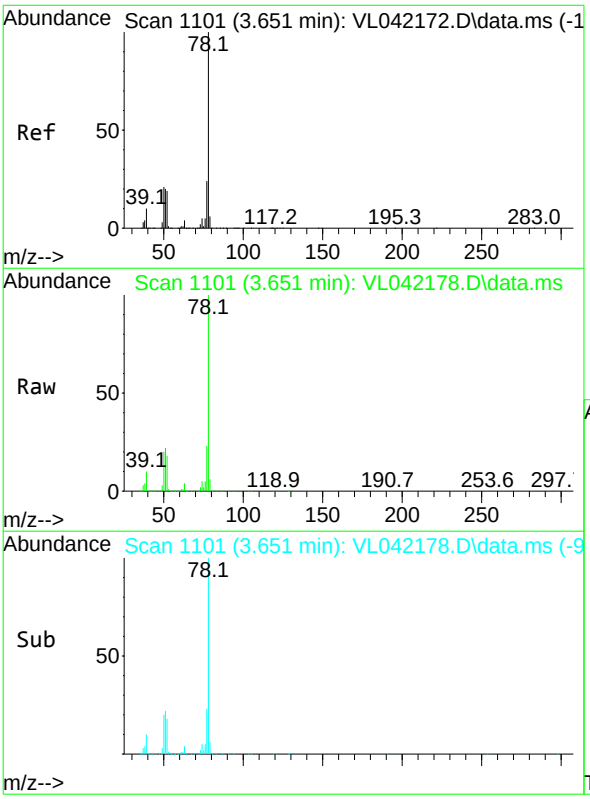
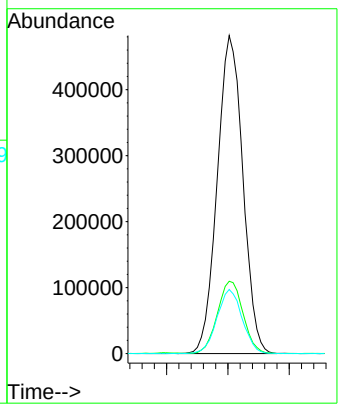
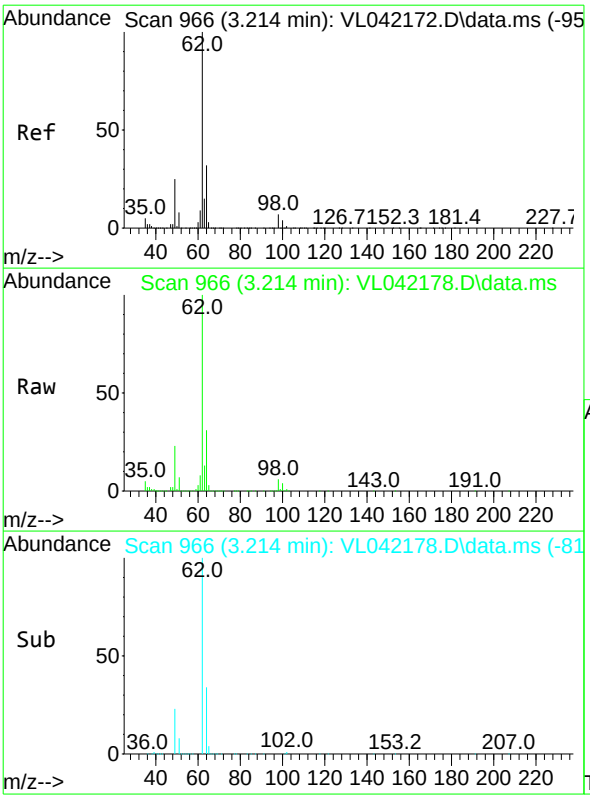


#36
Benzene
Concen: 14.131 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 78 Resp: 699549

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7
50	20.1	16.6	24.8





#37
1,2-Dichloroethane
Concen: 14.697 ppbv
RT: 3.214 min Scan# 96
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 62 Resp: 416544

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.4	8.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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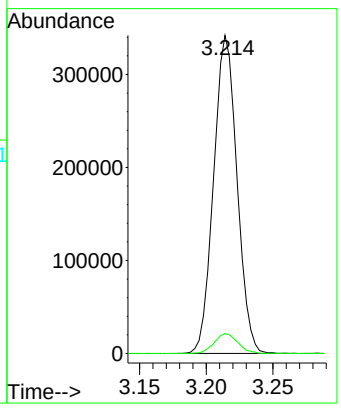
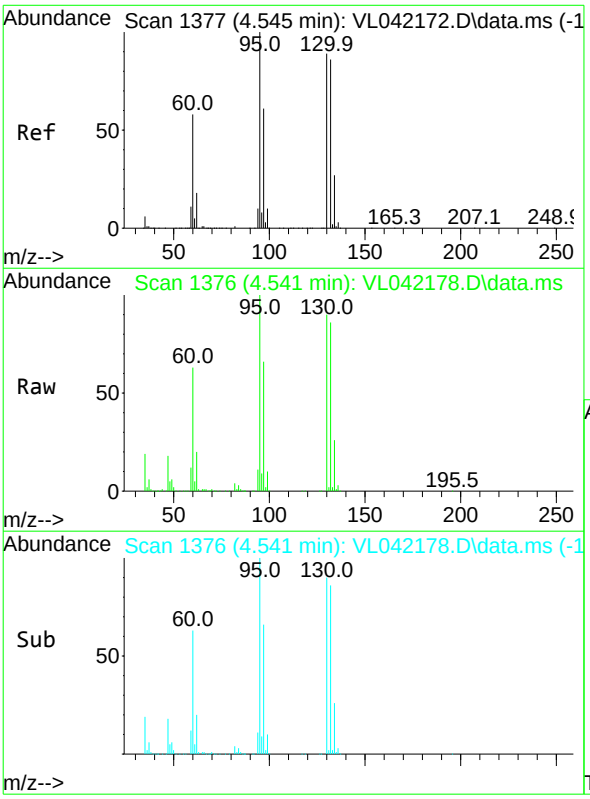
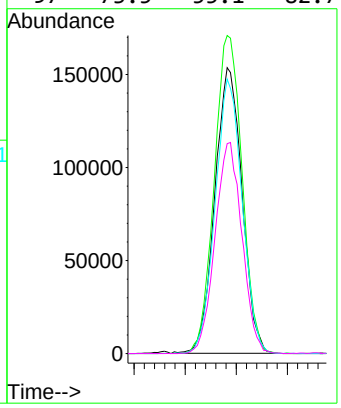


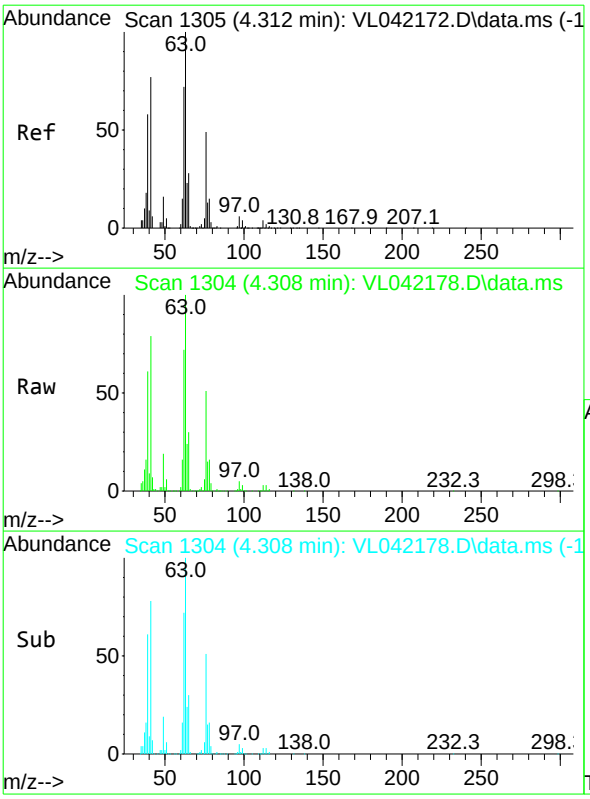


#38
Trichloroethene
Concen: 13.715 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:130 Resp: 283430

Ion	Ratio	Lower	Upper
130	100		
95	111.3	89.8	134.8
132	96.0	77.4	116.2
97	73.5	55.1	82.7

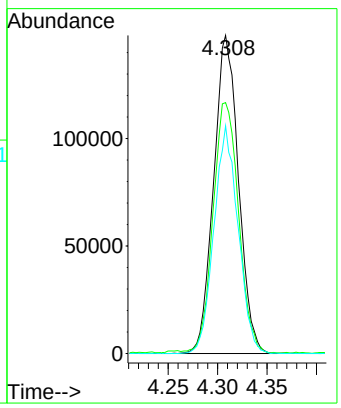




#39
1,2-Dichloropropane
Concen: 14.304 ppbv
RT: 4.308 min Scan# 13
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 63 Resp: 257891

Ion	Ratio	Lower	Upper
63	100		
41	78.7	61.7	92.5
62	71.6	57.6	86.4



Instrument :
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ClientSampleId :
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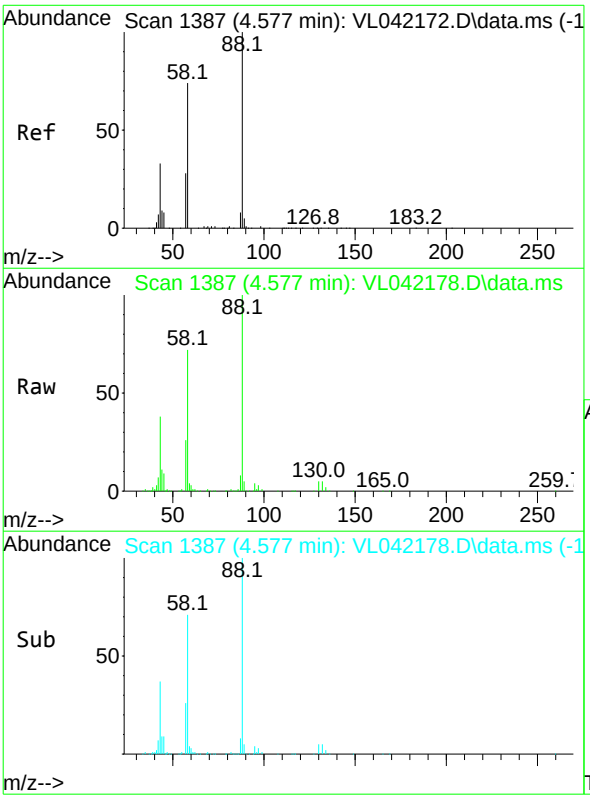
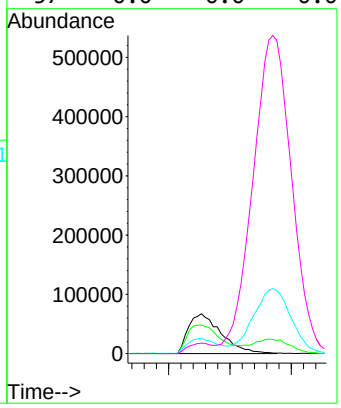
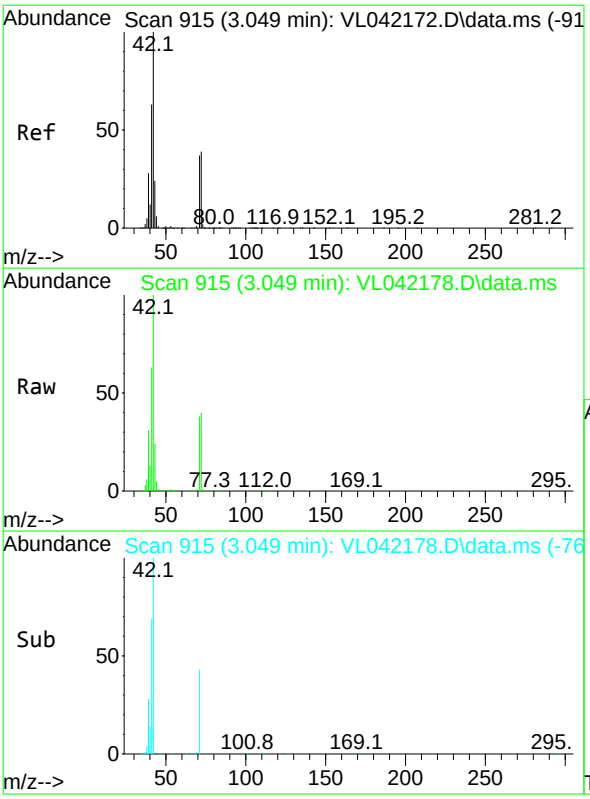


#40
1,4-Dioxane
Concen: 13.354 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 88 Resp: 124925

Ion	Ratio	Lower	Upper
88	100		
58	69.6	62.7	94.1
43	31.6	23.0	34.4
57	0.0	0.0	0.0

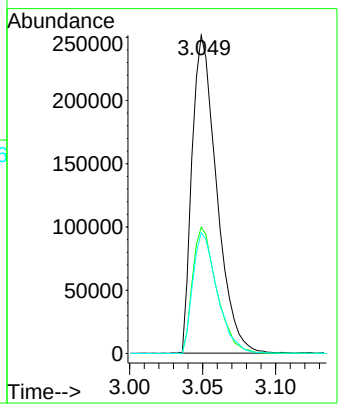




#41
Tetrahydrofuran
Concen: 14.301 ppbv
RT: 3.049 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 42 Resp: 294634

Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.0
71	37.9	30.2	45.4



Instrument :
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ClientSampleId :
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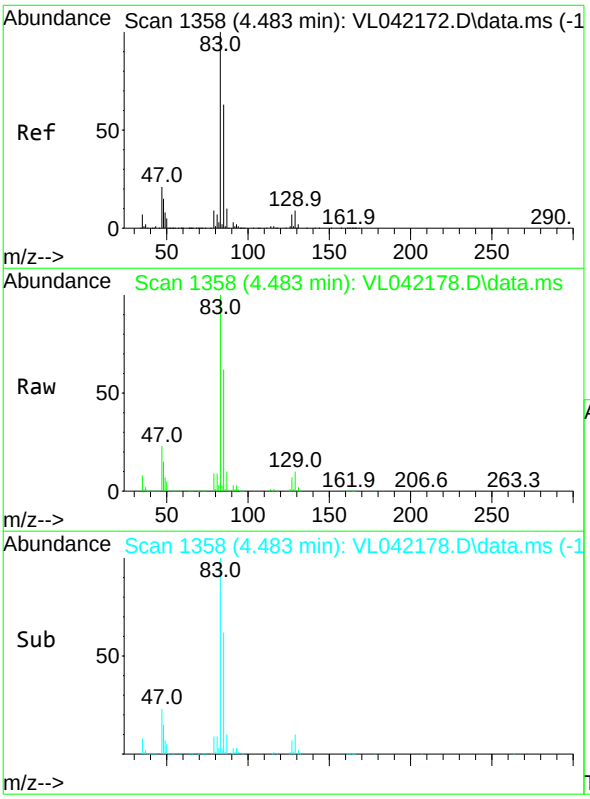
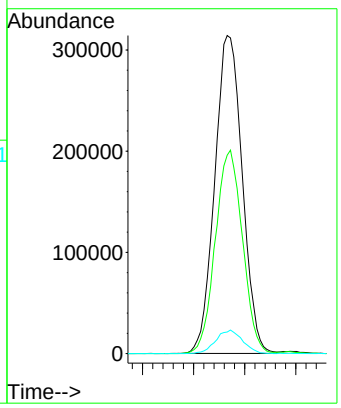
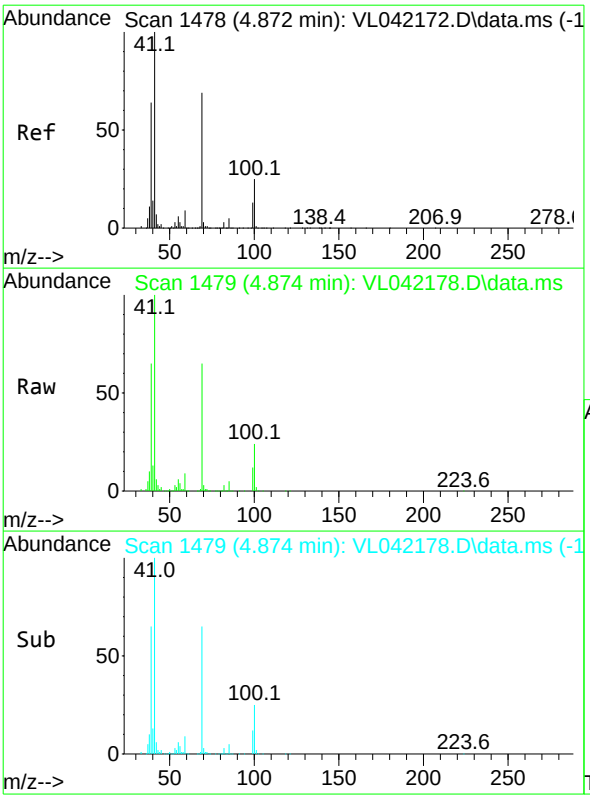


#42
Bromodichloromethane
Concen: 15.043 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 83 Resp: 587772

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	6.8	5.9	8.9

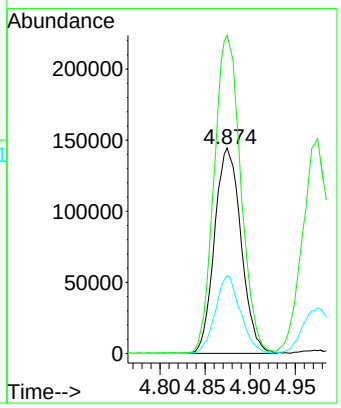




#43
Methyl Methacrylate
Concen: 14.130 ppbv
RT: 4.874 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 69 Resp: 295300

Ion	Ratio	Lower	Upper
69	100		
41	155.4	123.8	185.6
100	36.0	28.4	42.6



Instrument :
MSVOA_L
ClientSampleId :
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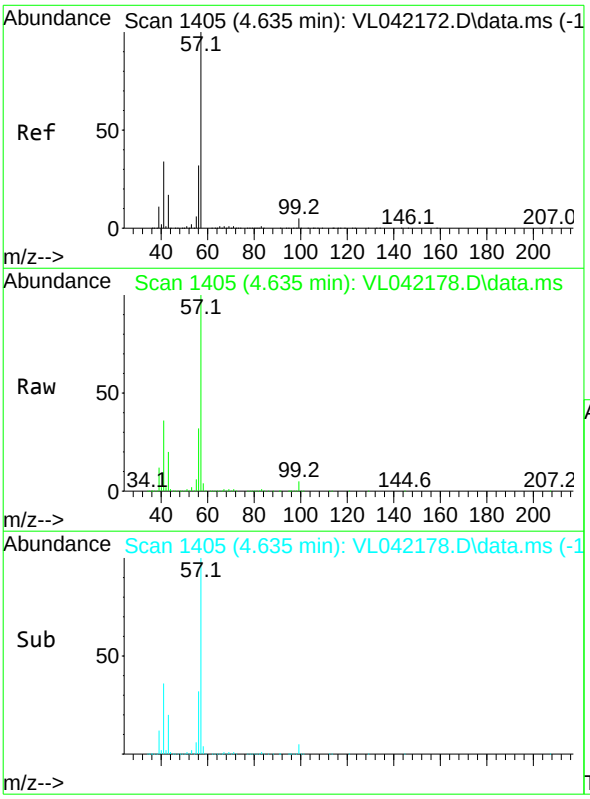
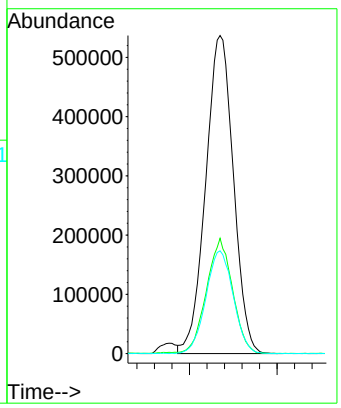
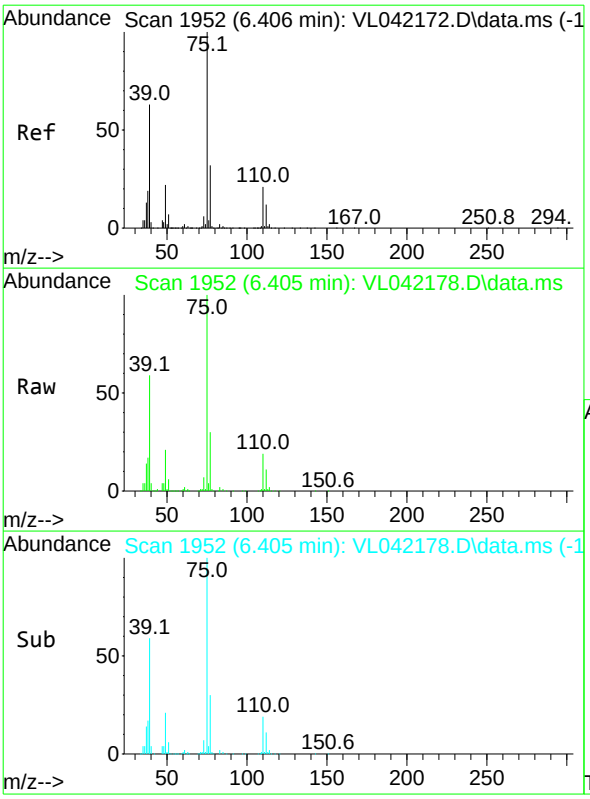


#44
2,2,4-Trimethylpentane
Concen: 14.108 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 57 Resp: 1180275

Ion	Ratio	Lower	Upper
57	100		
41	34.2	26.8	40.2
56	31.9	25.6	38.4

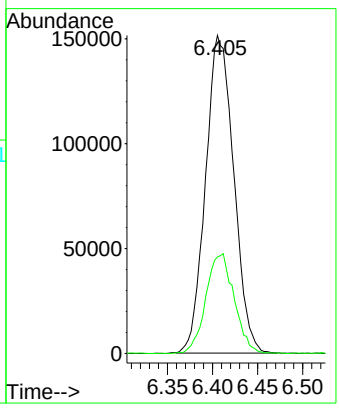




#45
t-1,3-Dichloropropene
Concen: 14.649 ppbv
RT: 6.405 min Scan# 19
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 75 Resp: 329360

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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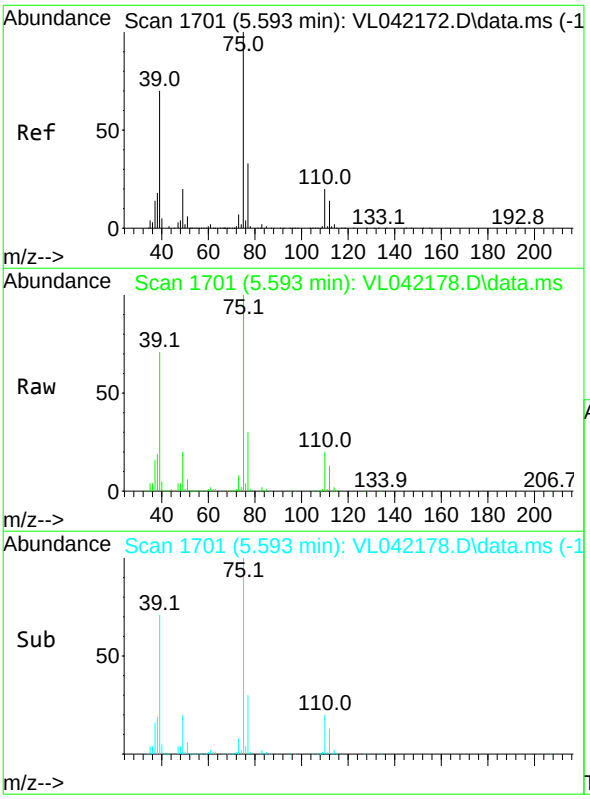
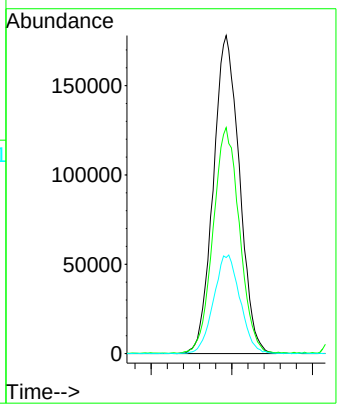
Supervised By :Mahesh Dadoda 04/03/2025

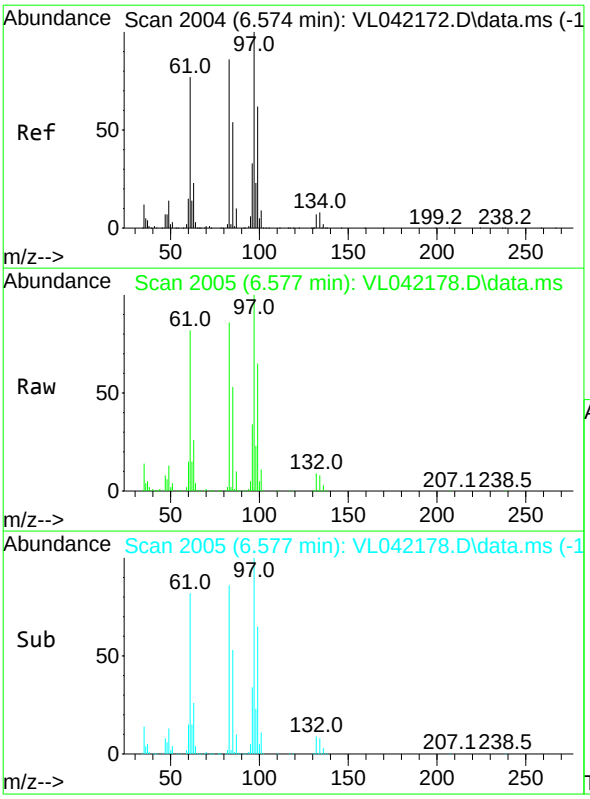


#46
cis-1,3-Dichloropropene
Concen: 14.542 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 75 Resp: 400813

Ion	Ratio	Lower	Upper
75	100		
39	70.9	55.8	83.6
77	30.2	26.0	39.0

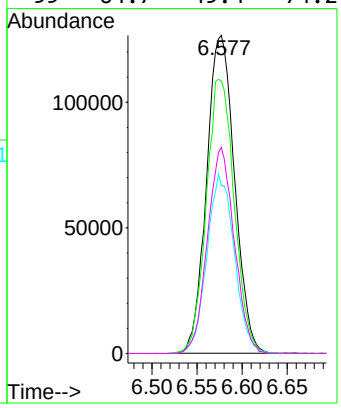




#47
1,1,2-Trichloroethane
Concen: 14.331 ppbv
RT: 6.577 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 97 Resp: 273137

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.2	103.8
85	52.7	43.1	64.7
99	64.7	49.4	74.2



Instrument :
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ClientSampleId :
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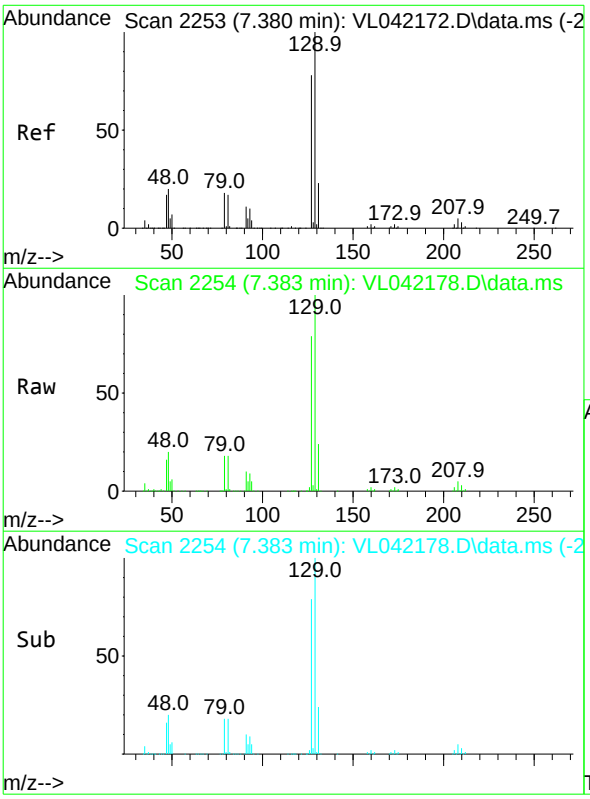
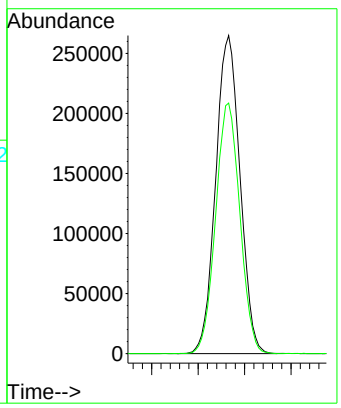
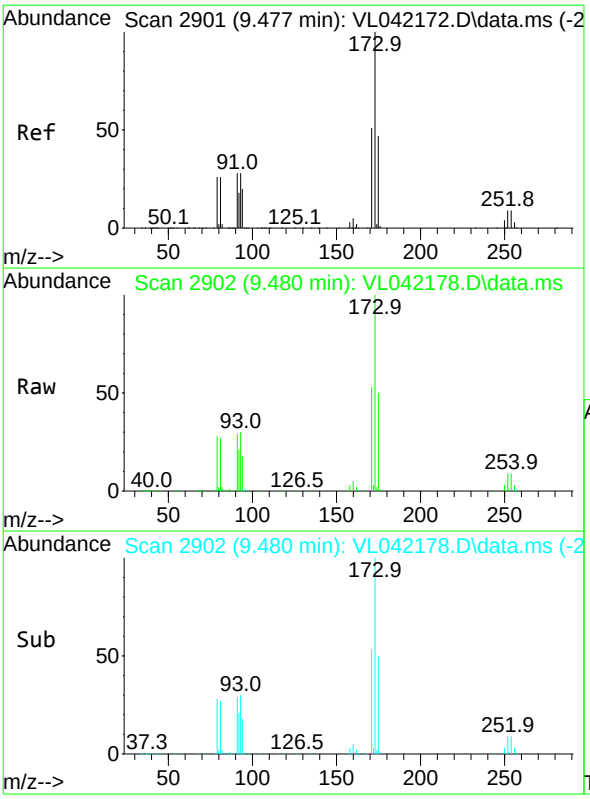


#48
Dibromochloromethane
Concen: 14.936 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:129 Resp: 482431

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2

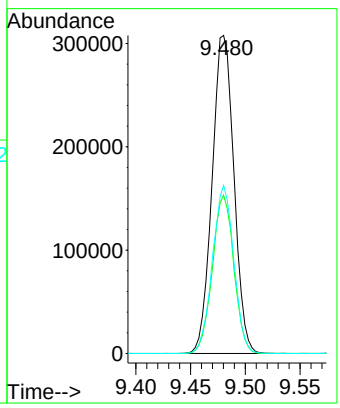




#49
Bromoform
Concen: 14.730 ppbv
RT: 9.480 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:173 Resp: 427143

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	57.8
171	51.5	41.8	62.6



Instrument :
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ClientSampleId :
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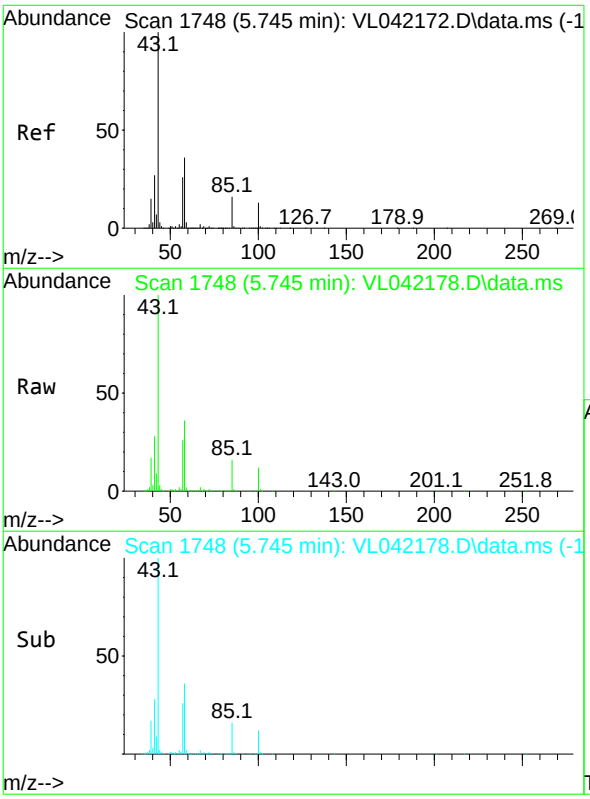
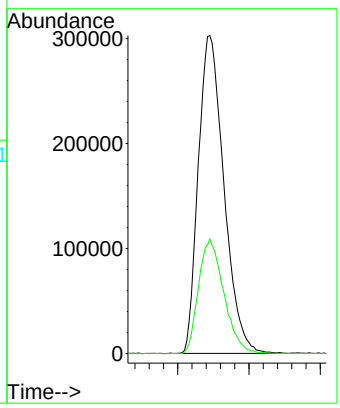
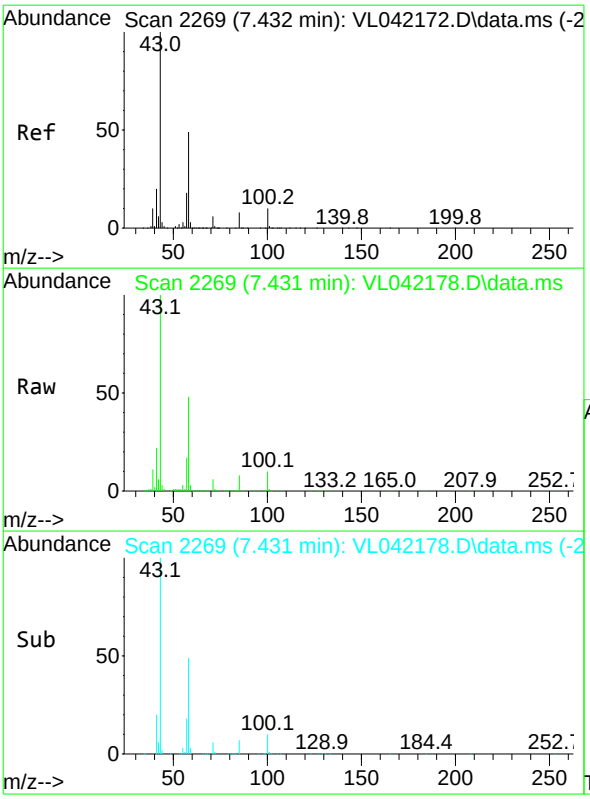


#50
4-Methyl-2-Pentanone
Concen: 13.155 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 755146

Ion	Ratio	Lower	Upper
43	100		
58	35.5	29.0	43.6

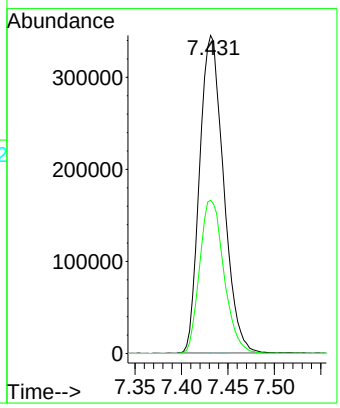




#51
2-Hexanone
Concen: 13.005 ppbv
RT: 7.431 min Scan# 22
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 619419

Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.7	59.5
98	0.0	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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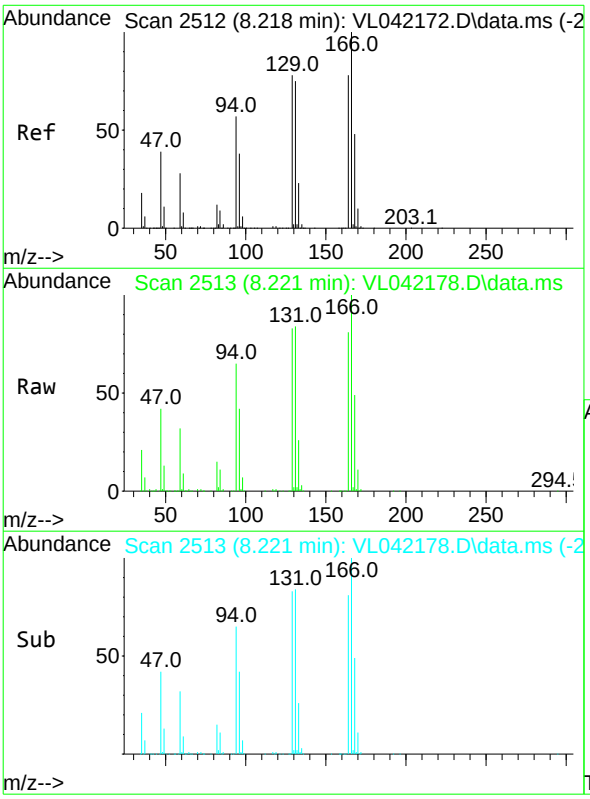
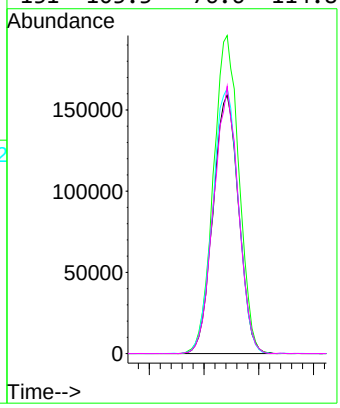
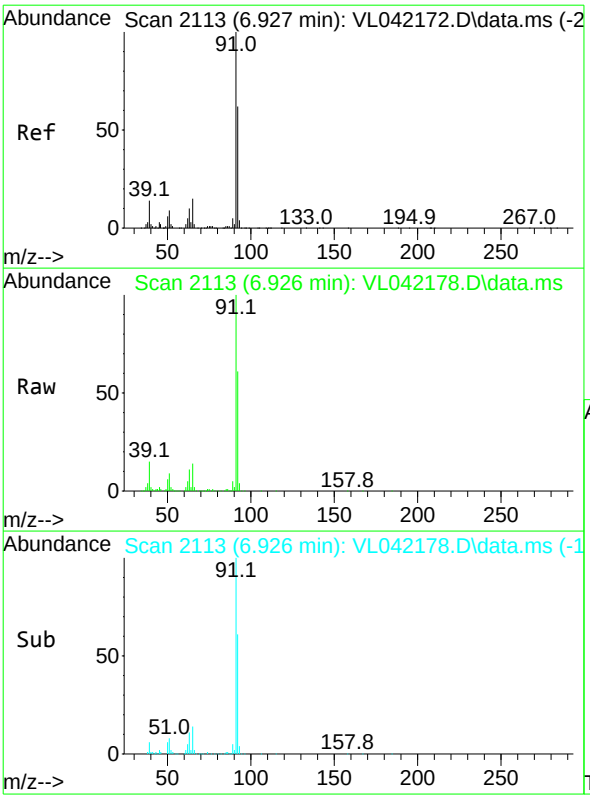


#52
Tetrachloroethene
Concen: 13.159 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:164 Resp: 258356

Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.5	153.7
129	102.5	79.8	119.8
131	103.3	76.6	114.8

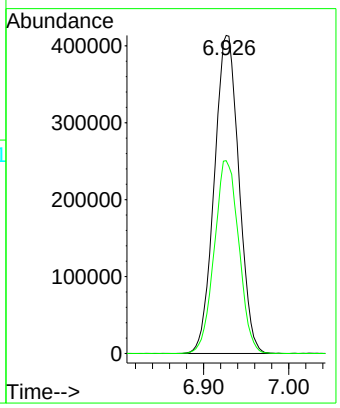




#53
Toluene
Concen: 14.137 ppbv
RT: 6.926 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 829648

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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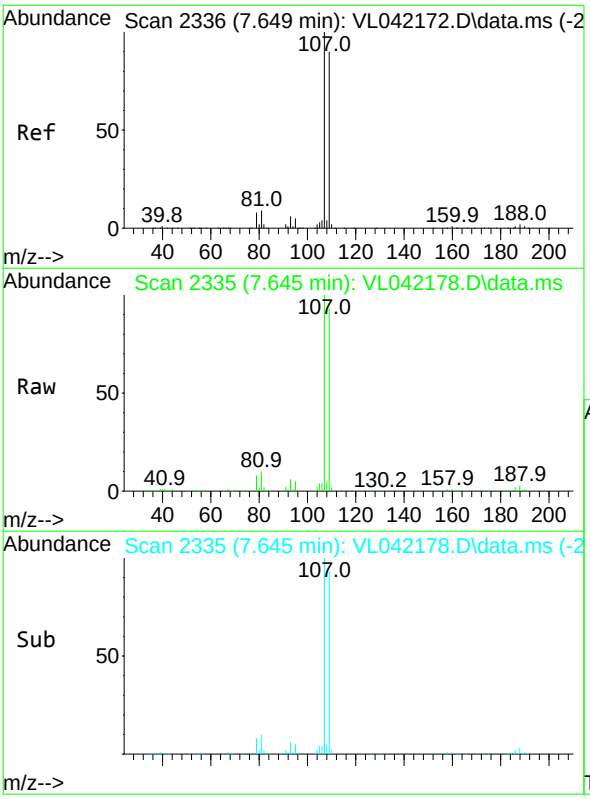
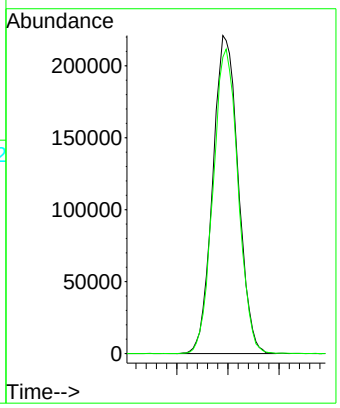
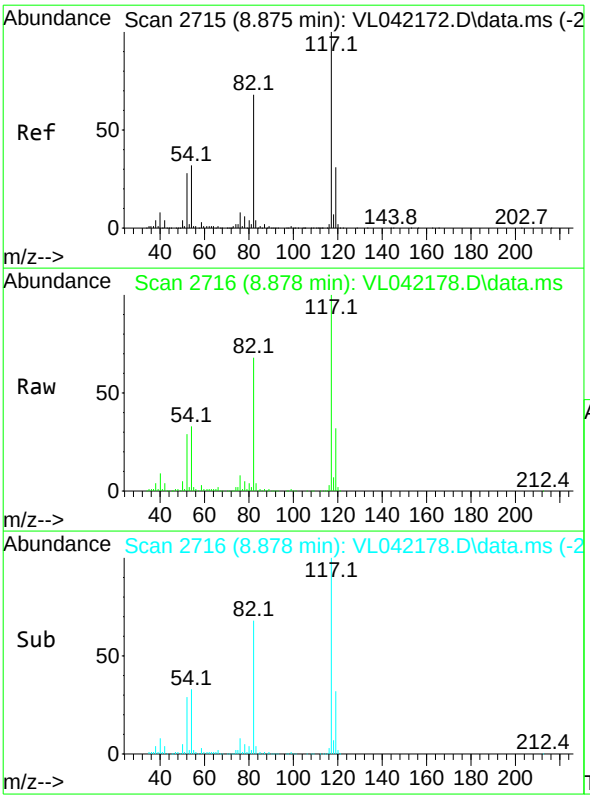


#54
1,2-Dibromoethane
Concen: 14.359 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:107 Resp: 381823

Ion	Ratio	Lower	Upper
107	100		
109	93.2	72.2	108.4

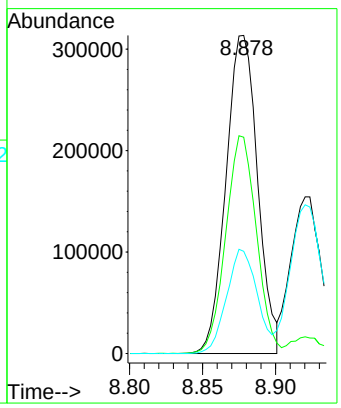




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:117 Resp: 473077

Ion	Ratio	Lower	Upper
117	100		
82	71.4	55.8	83.6
119	31.7	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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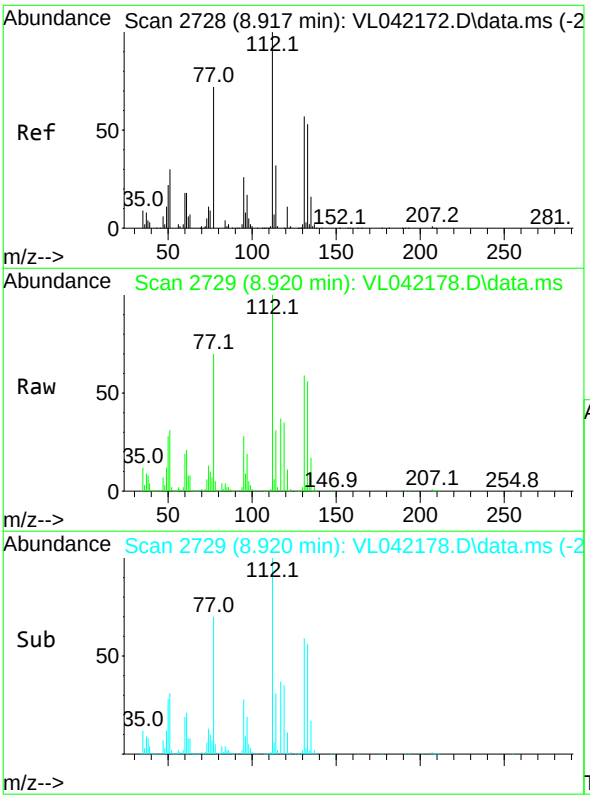
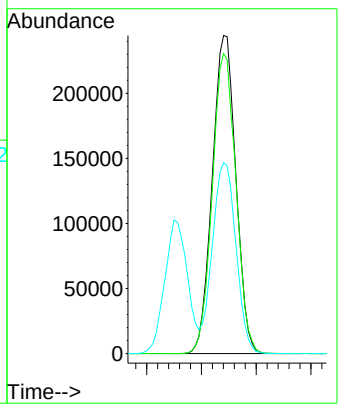
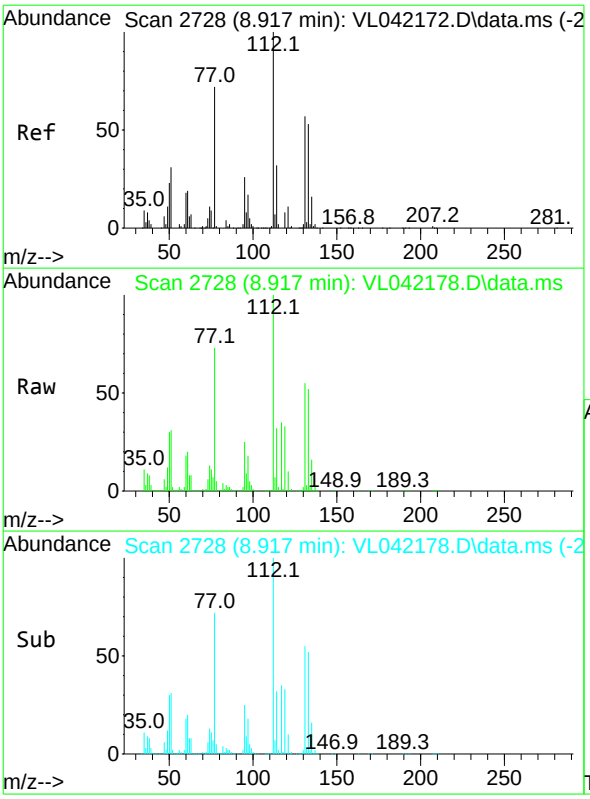


#56
1,1,1,2-Tetrachloroethane
Concen: 14.032 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:131 Resp: 365410

Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.6	114.8
119	61.2	49.8	74.6

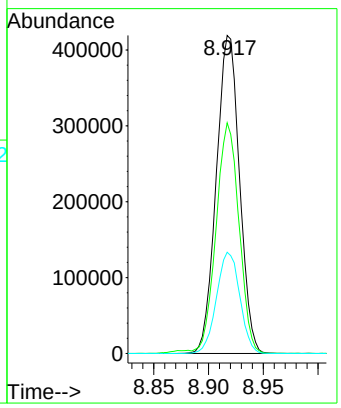




#57
Chlorobenzene
Concen: 13.777 ppbv
RT: 8.917 min Scan# 27
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:112 Resp: 618201

Ion	Ratio	Lower	Upper
112	100		
77	72.5	58.2	87.2
114	31.8	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
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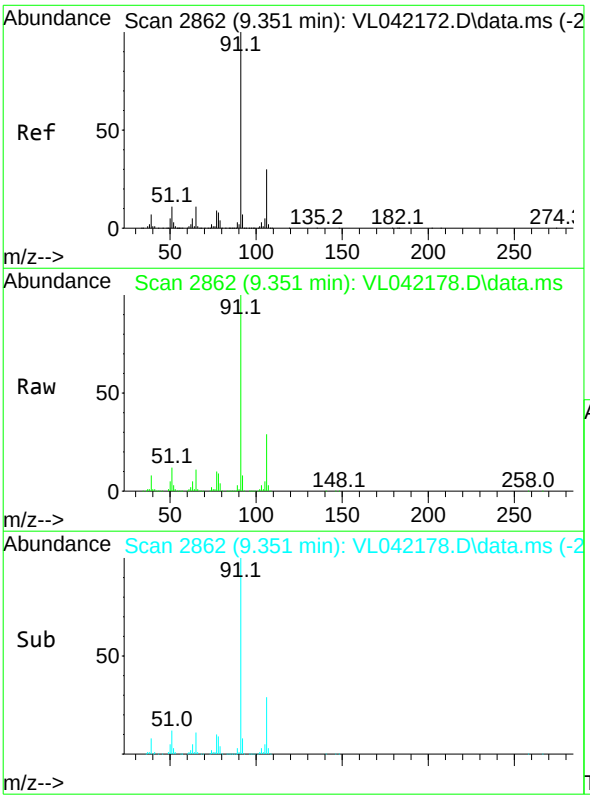
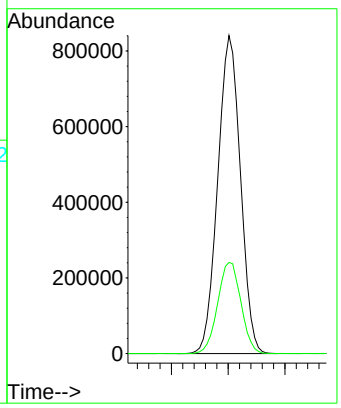
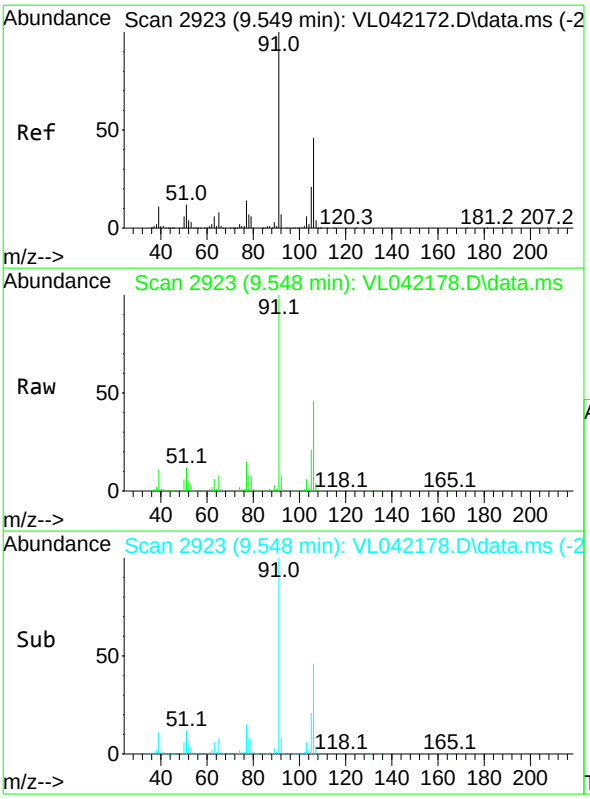


#58
Ethyl Benzene
Concen: 13.889 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 1167096

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.2	36.2

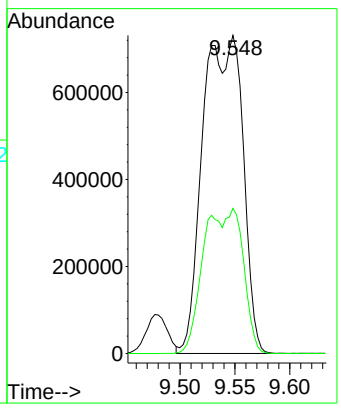




#59
m/p-Xylene
Concen: 27.651 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 1857561

Ion	Ratio	Lower	Upper
91	100		
106	45.2	36.4	54.6



Instrument :
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ClientSampleId :
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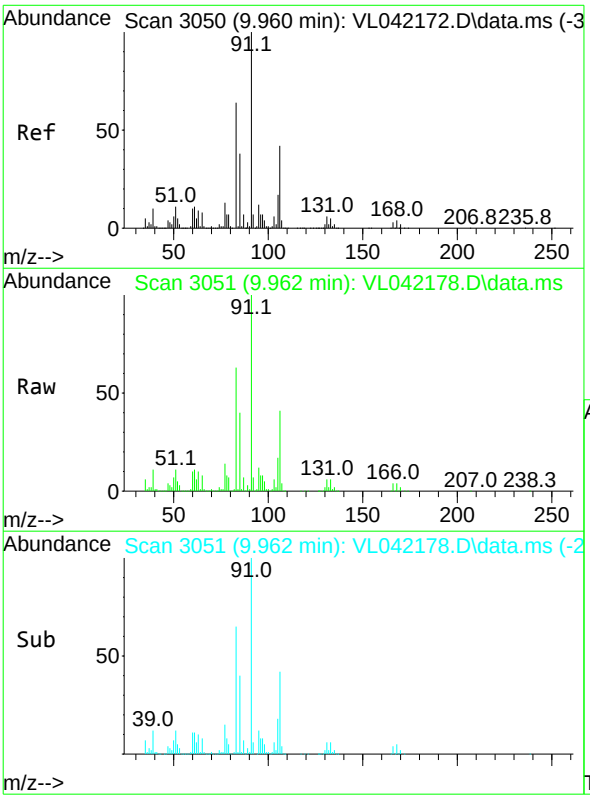
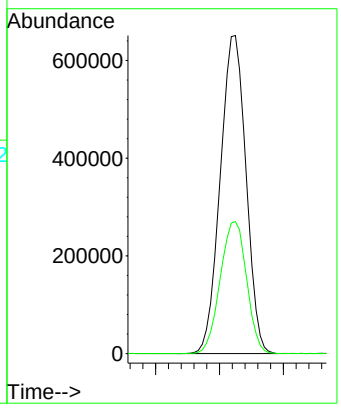
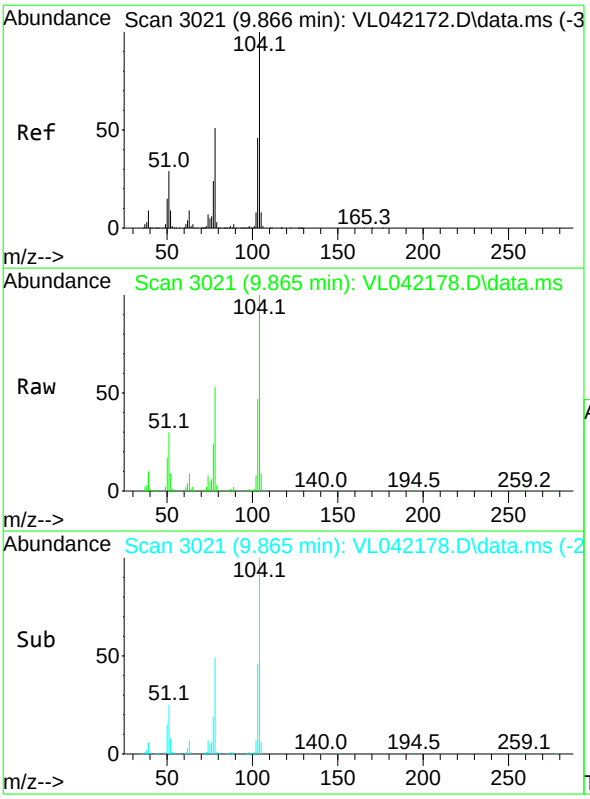


#60
o-Xylene
Concen: 13.577 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 913234

Ion	Ratio	Lower	Upper
91	100		
106	42.4	20.8	62.5

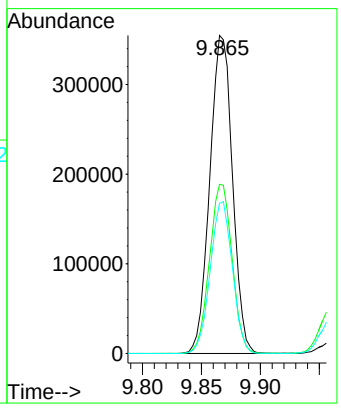




#61
Styrene
Concen: 14.250 ppbv
RT: 9.865 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:104 Resp: 474195

Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.8	62.6
103	46.7	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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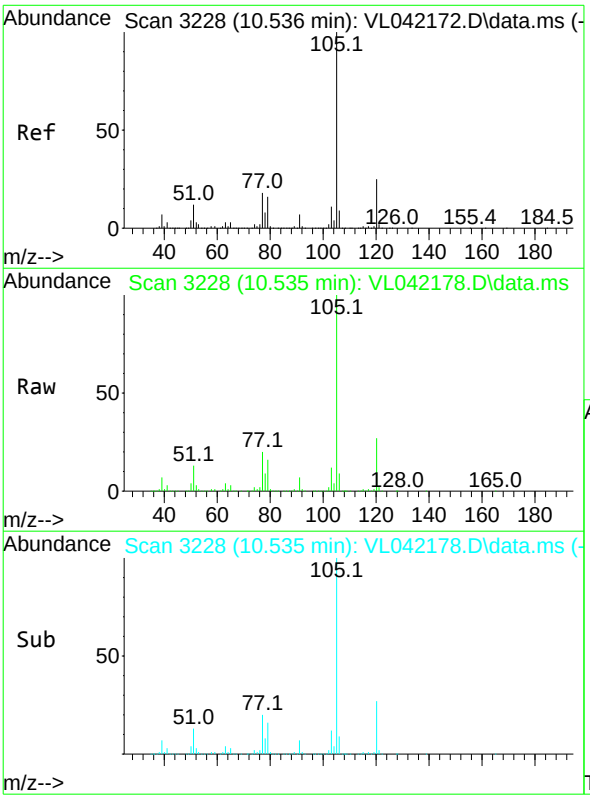
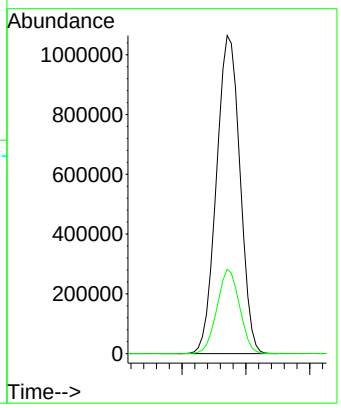
Supervised By :Mahesh Dadoda 04/03/2025

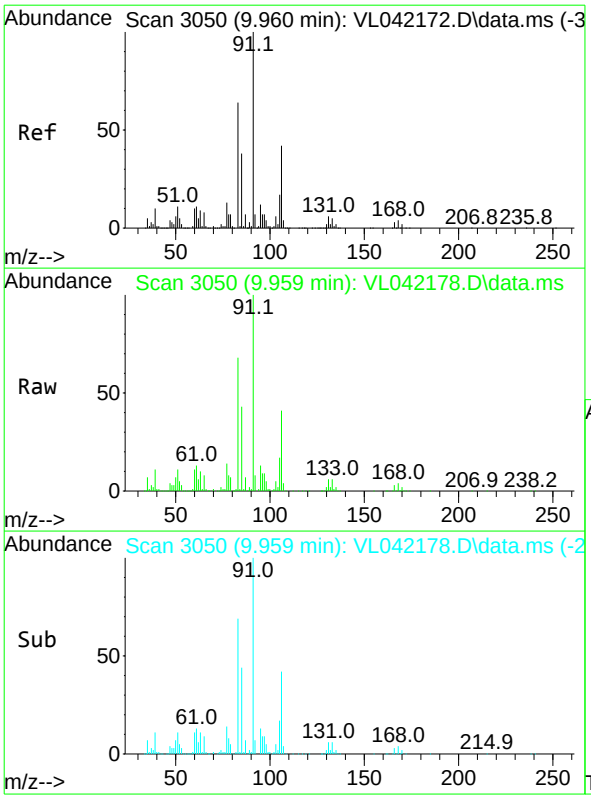


#62
Isopropylbenzene
Concen: 13.544 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1362416

Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.9	29.9

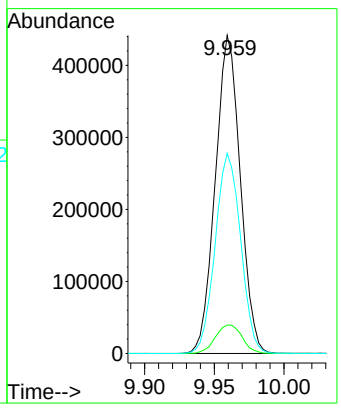




#63
1,1,2,2-Tetrachloroethane
Concen: 13.491 ppbv
RT: 9.959 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 83 Resp: 551386

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.5	97.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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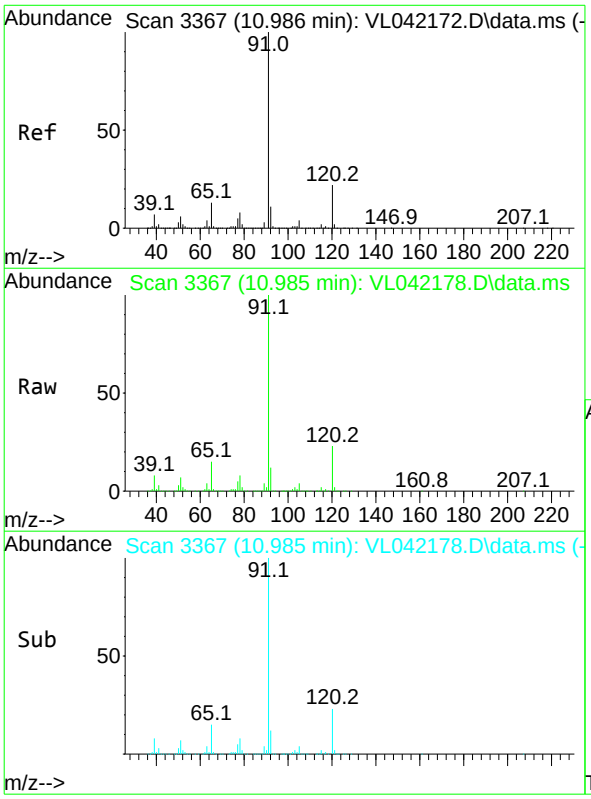
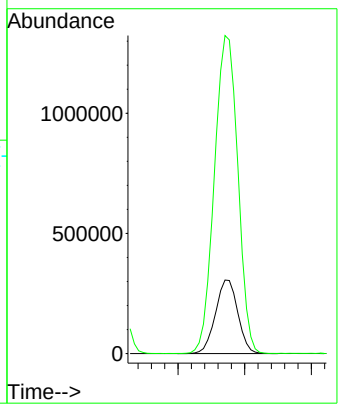
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

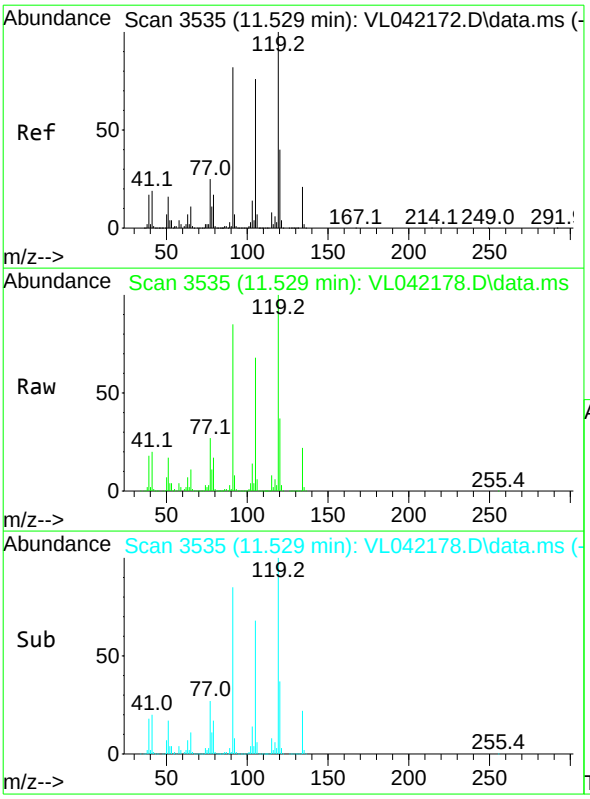


#64
n-propylbenzene
Concen: 13.753 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:120 Resp: 356118

Ion	Ratio	Lower	Upper
120	100		
91	455.4	376.9	565.3

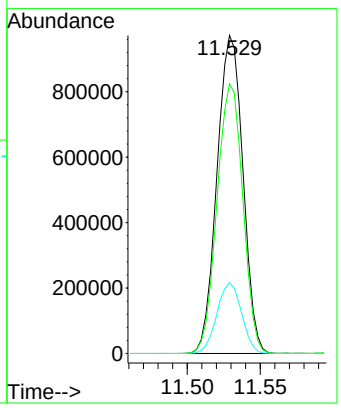




#65
tert-Butylbenzene
Concen: 12.901 ppbv
RT: 11.529 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:119 Resp: 1200149

Ion	Ratio	Lower	Upper
119	100		
91	84.6	66.0	99.0
134	21.2	16.7	25.1



Instrument :
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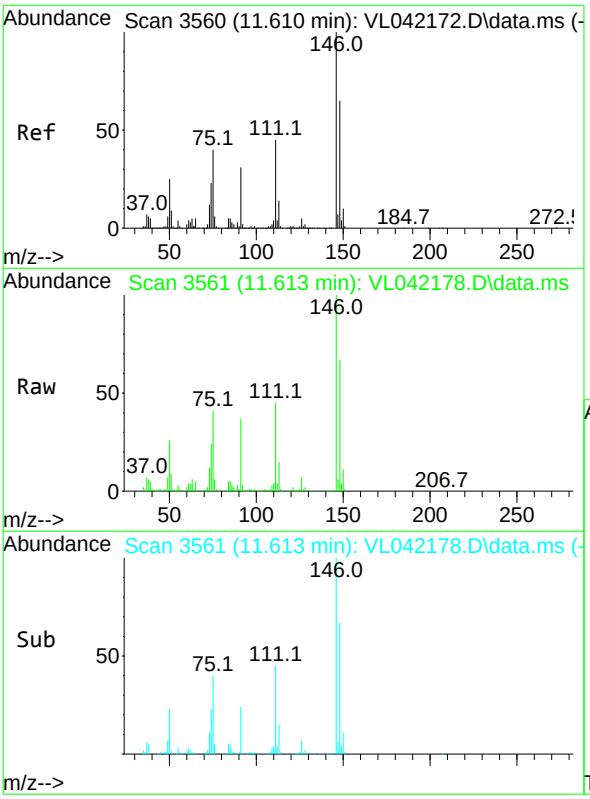
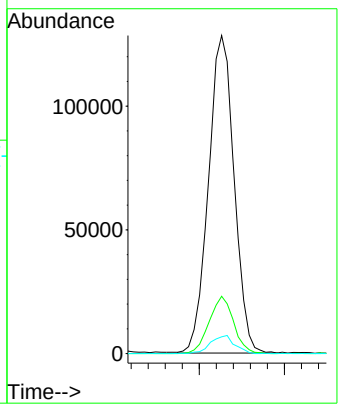
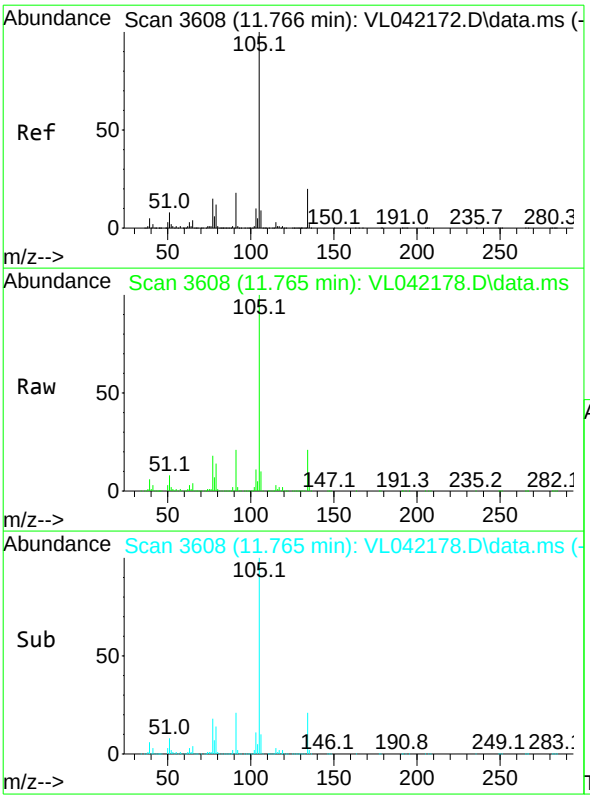


#66
Benzyl Chloride
Concen: 13.615 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 134397

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.6
128	5.4	4.5	6.7

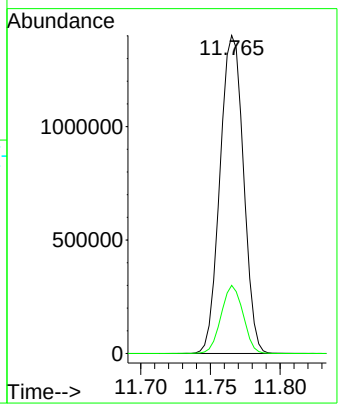




#67
sec-Butylbenzene
Concen: 12.711 ppbv
RT: 11.765 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1643629

Ion	Ratio	Lower	Upper
105	100		
134	20.0	15.5	23.3



Instrument :
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ClientSampleId :
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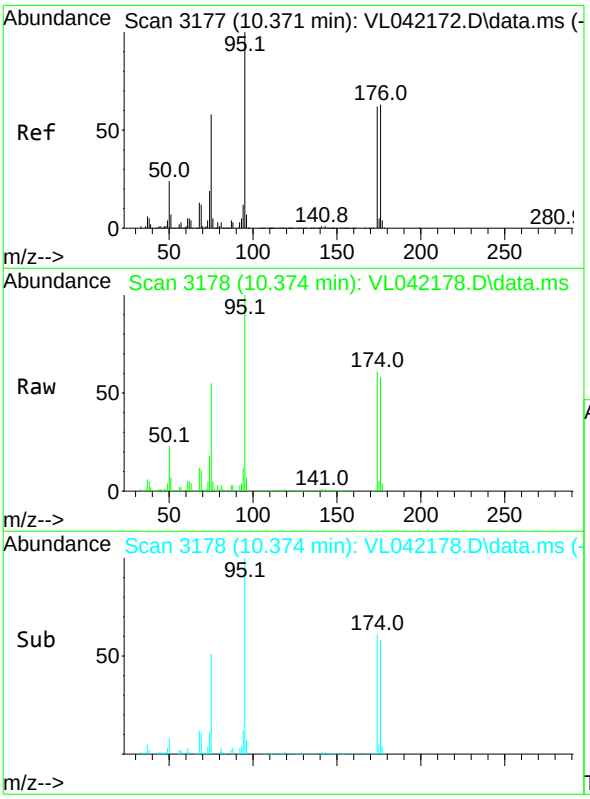
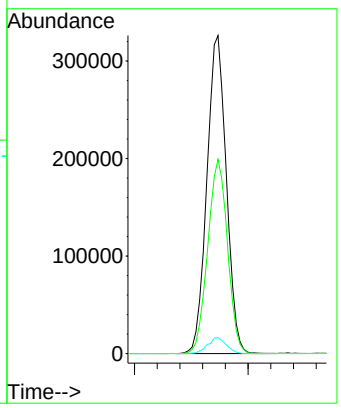
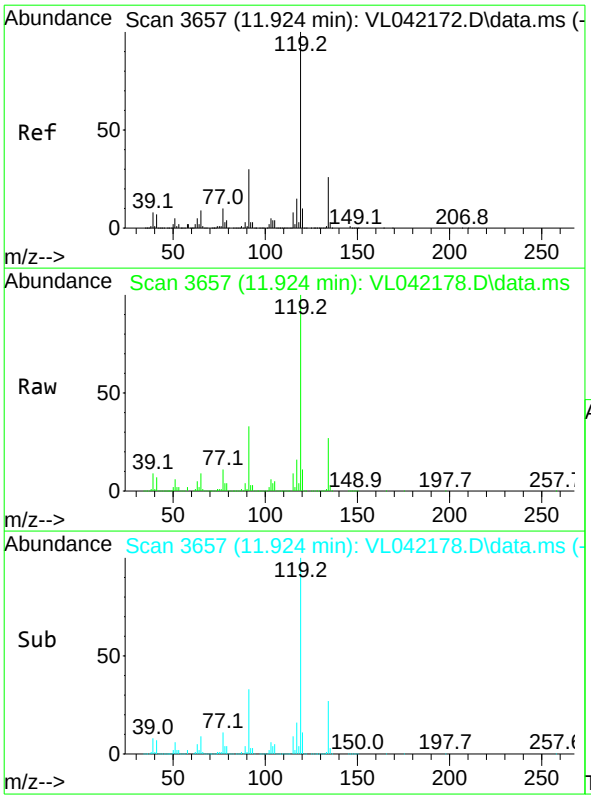


#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 95 Resp: 387777

Ion	Ratio	Lower	Upper
95	100		
174	62.1	50.6	76.0
175	4.8	3.8	5.6





#69
p-Isopropyltoluene
Concen: 12.906 ppbv
RT: 11.924 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:119 Resp: 1437016

Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.4	30.6
91	31.2	23.7	35.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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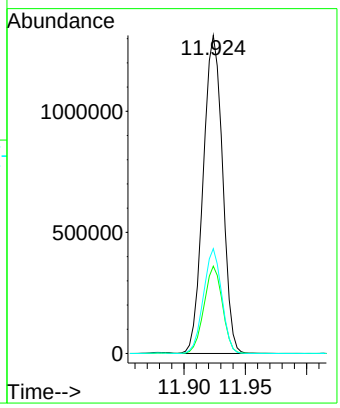
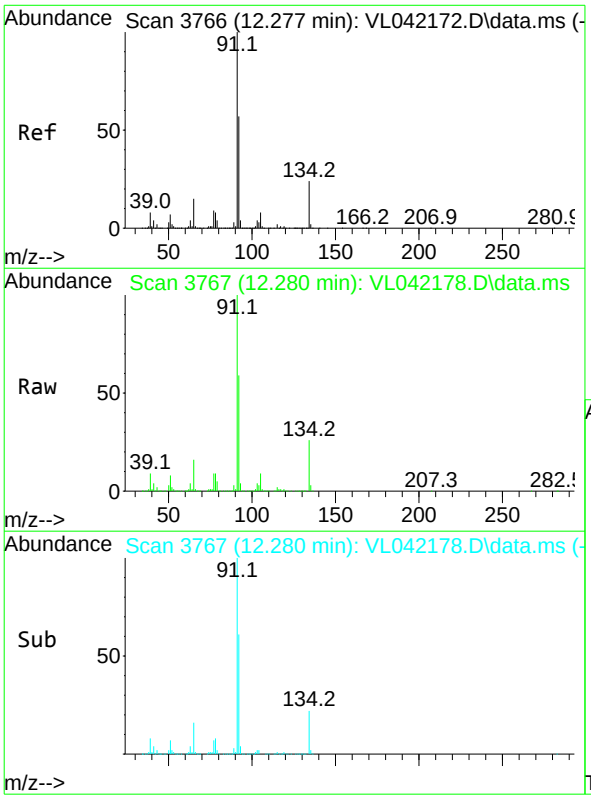
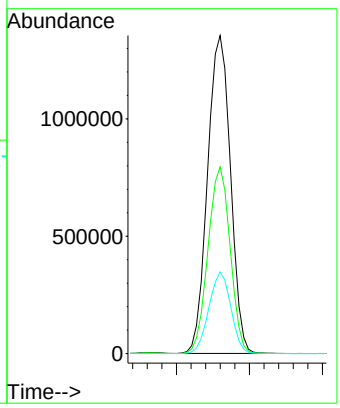


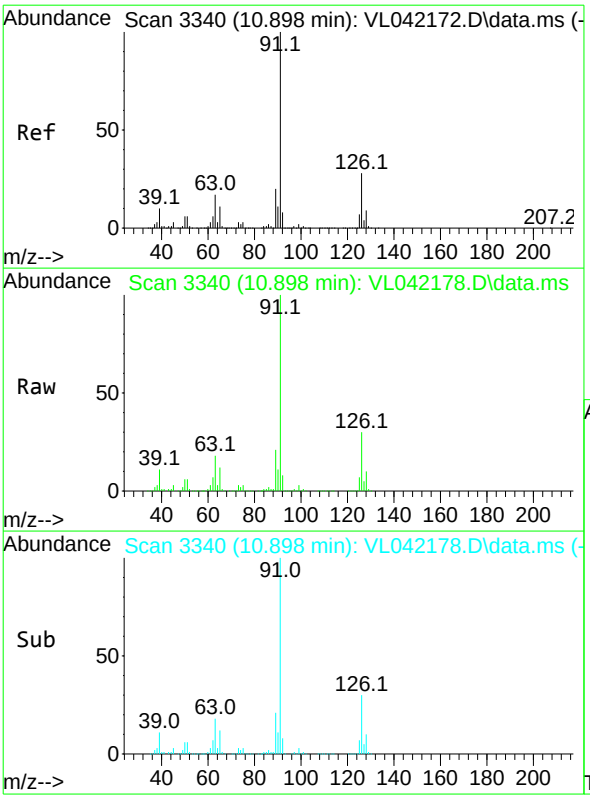


#70
n-Butylbenzene
Concen: 12.975 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 1477443

Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.9	67.3
134	24.6	19.2	28.8

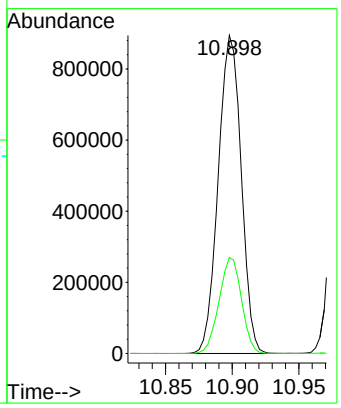




#71
2-Chlorotoluene
Concen: 13.724 ppbv
RT: 10.898 min Scan# 33
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 1071432

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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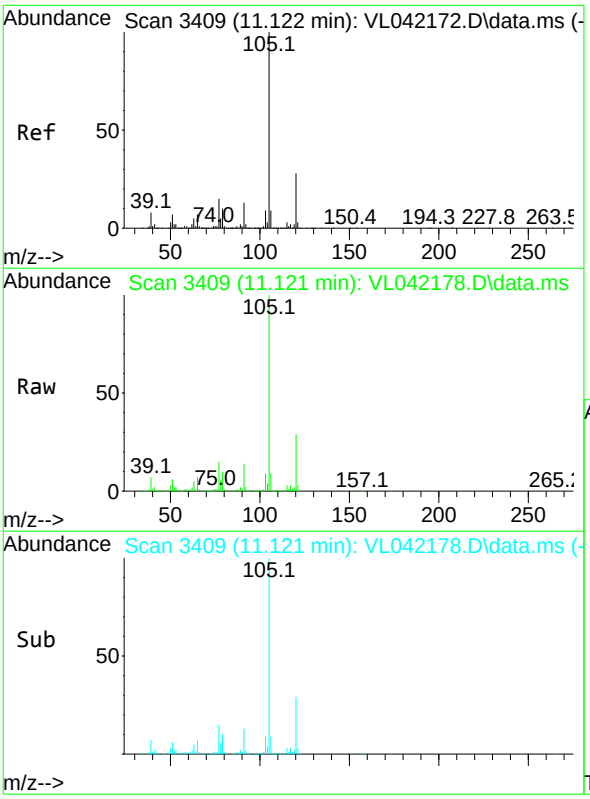
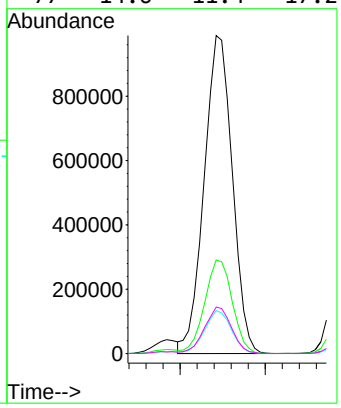
Supervised By :Mahesh Dadoda 04/03/2025

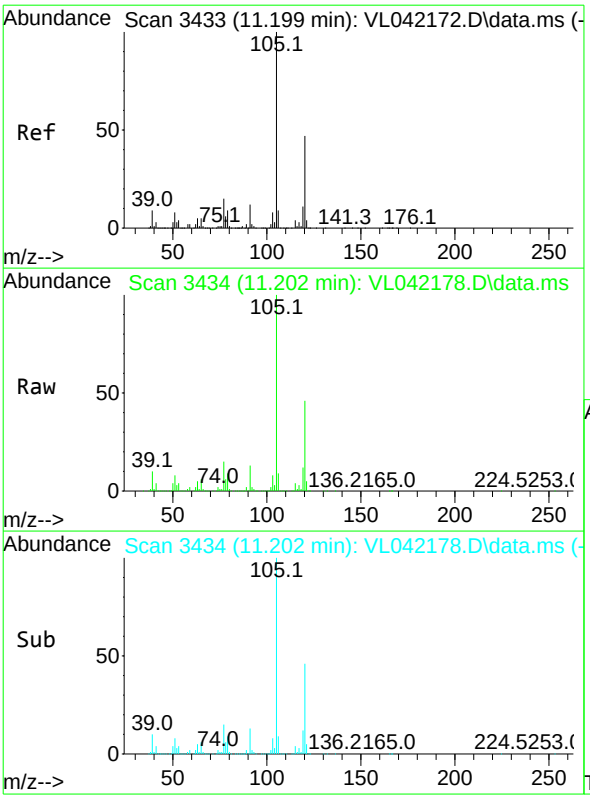


#72
4-Ethyltoluene
Concen: 13.569 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1136415

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.4	35.0
91	13.5	10.3	15.5
77	14.6	11.4	17.2

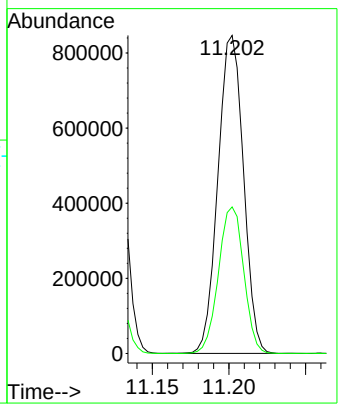




#73
1,3,5-Trimethylbenzene
Concen: 13.395 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 979783

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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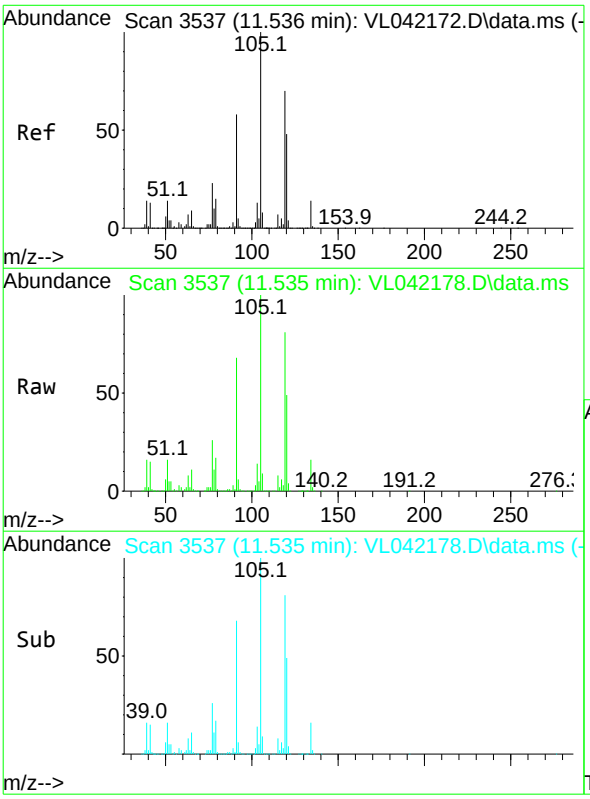
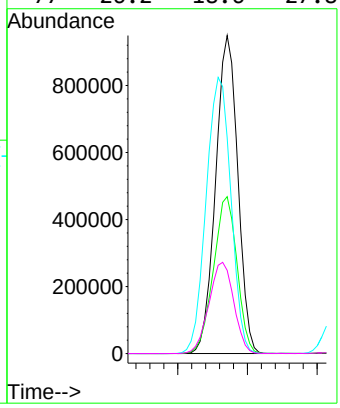
Supervised By :Mahesh Dadoda 04/03/2025

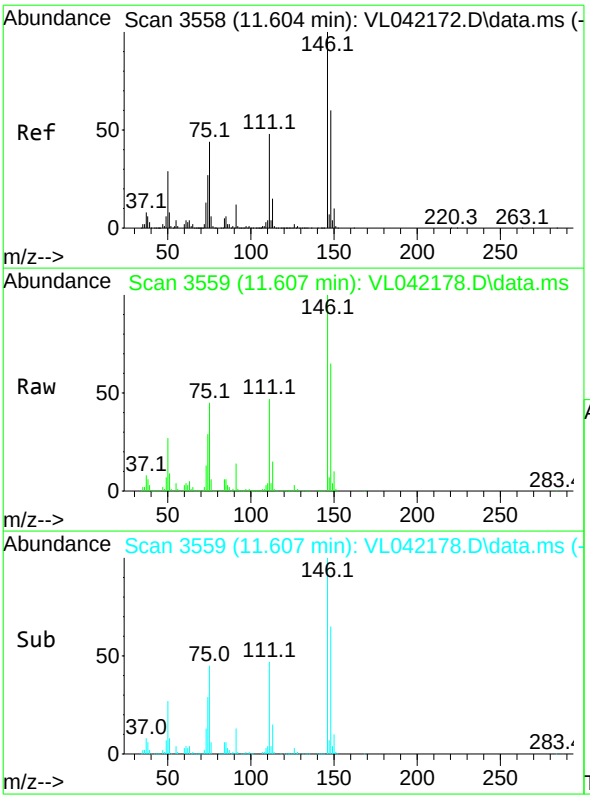


#74
1,2,4-Trimethylbenzene
Concen: 12.447 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1048874

Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.6	58.0
91	67.8	46.2	69.2
77	26.2	18.6	27.8

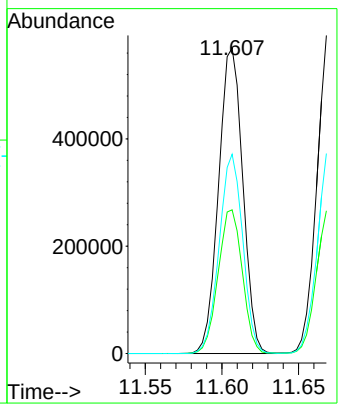




#75
1,3-Dichlorobenzene
Concen: 13.545 ppbv
RT: 11.607 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:146 Resp: 626015

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.8	71.2
148	63.5	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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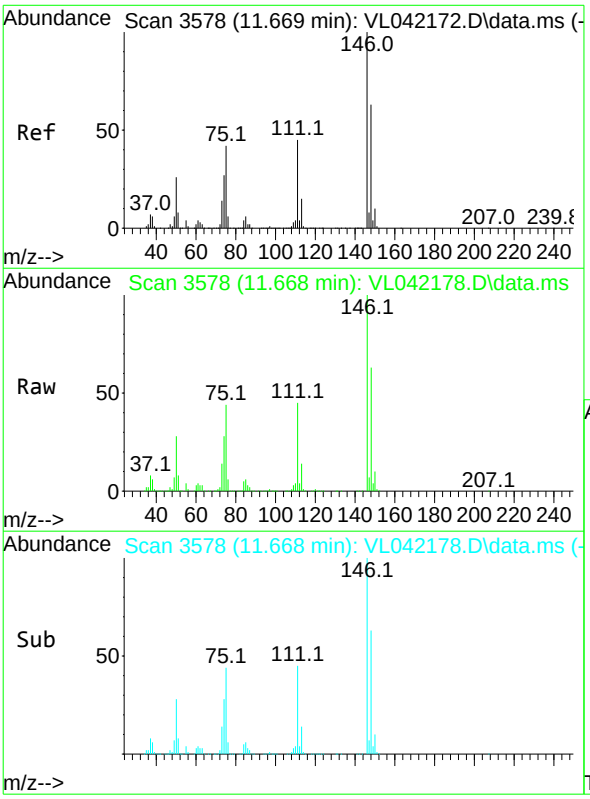
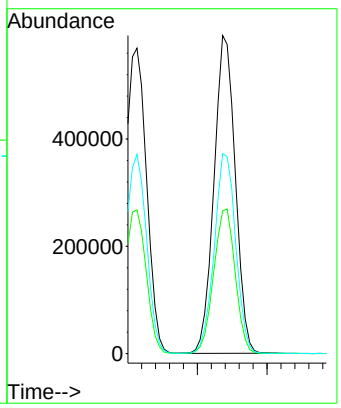
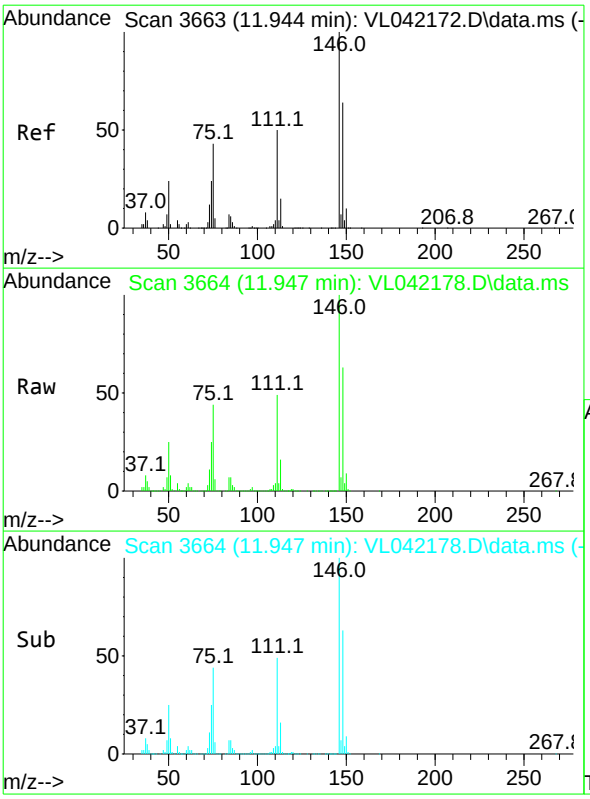


#76
1,4-Dichlorobenzene
Concen: 13.668 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:146 Resp: 628694

Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.0	69.0
148	63.6	31.9	95.7

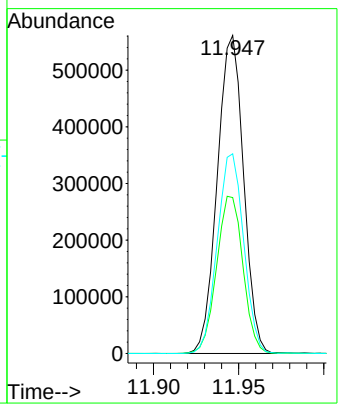




#77
1,2-Dichlorobenzene
Concen: 13.396 ppbv
RT: 11.947 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:146 Resp: 602844

Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.8	74.3
148	63.3	31.6	94.8



Instrument :
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ClientSampleId :
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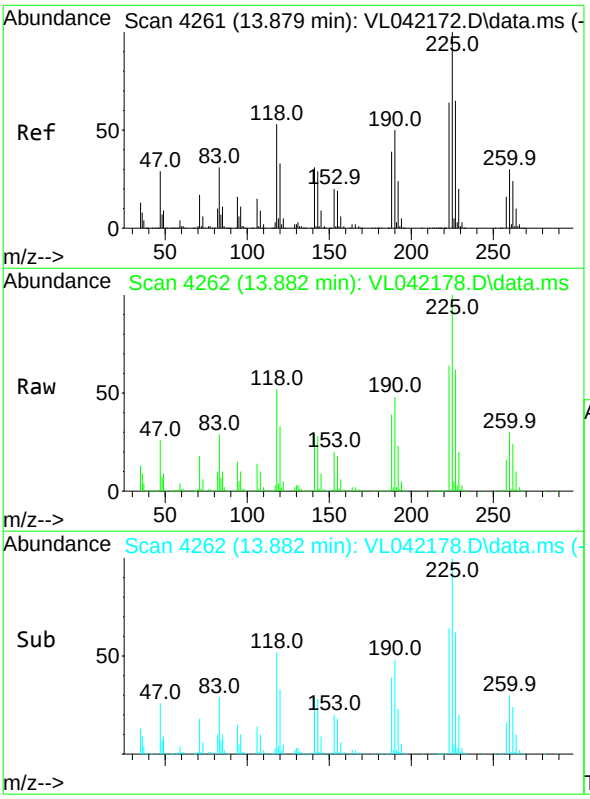
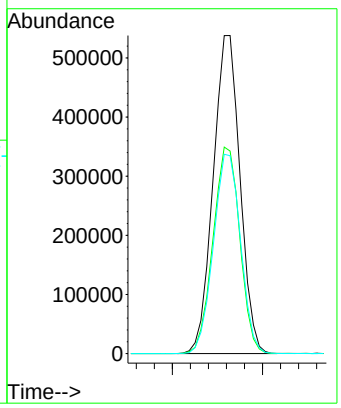
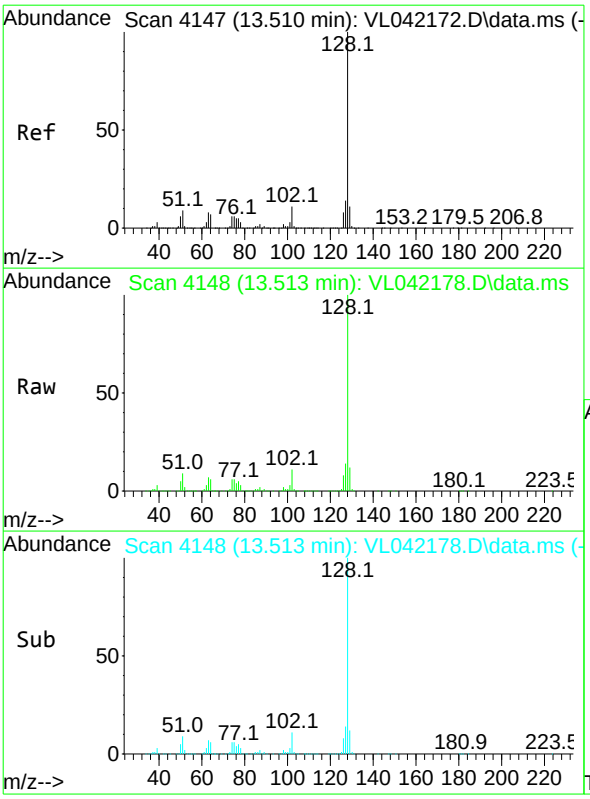


#78
Hexachloro-1,3-Butadiene
Concen: 12.147 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:225 Resp: 556392

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.6	76.0
227	63.3	51.2	76.8

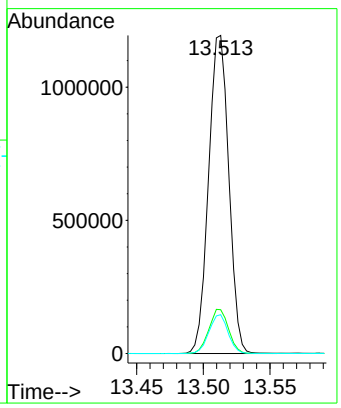




#79
Naphthalene
Concen: 13.653 ppbv
RT: 13.513 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:128 Resp: 1258479

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	12.2	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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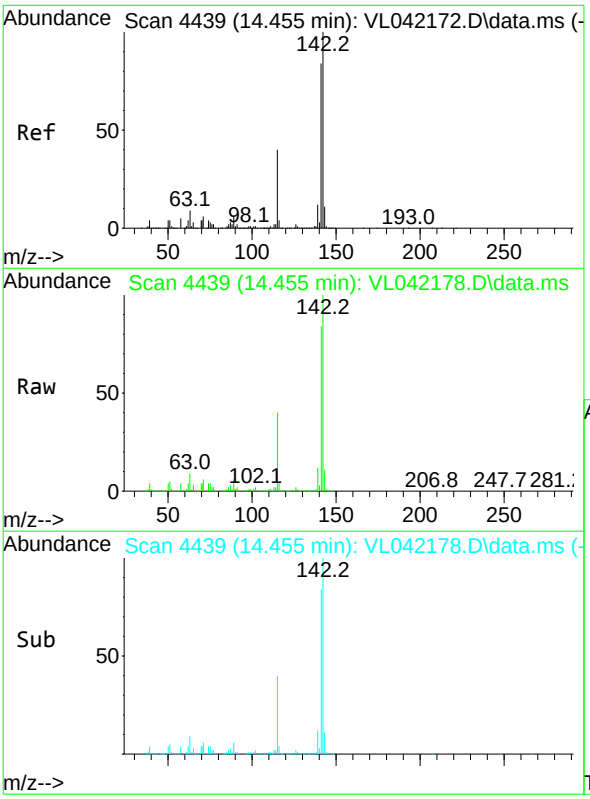
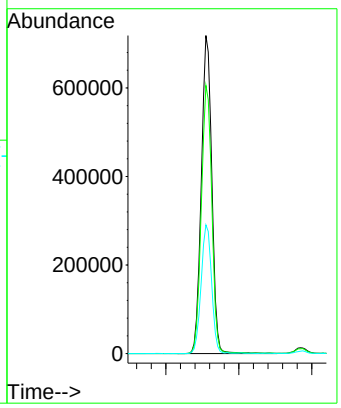
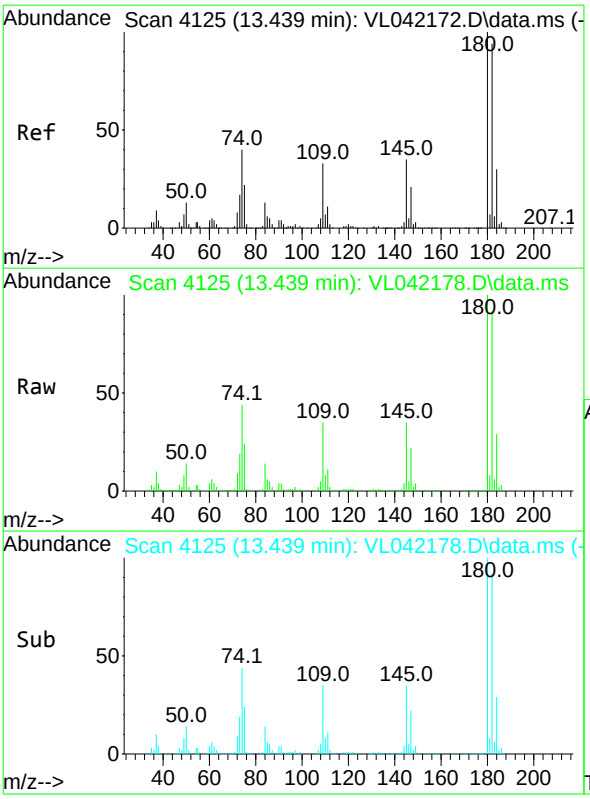


#80
Naphthalene,2-methyl-
Concen: 16.018 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:142 Resp: 718900

Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.3	99.5
115	40.6	31.6	47.4

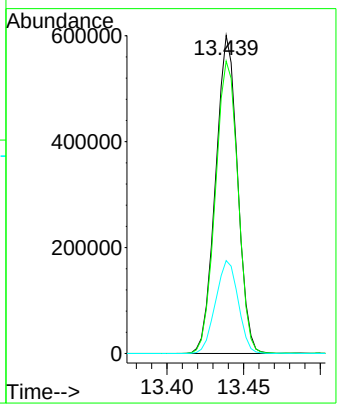




#81
1,2,4-Trichlorobenzene
Concen: 14.075 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:180 Resp: 598416

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.1	112.7
184	30.1	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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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

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ALS Vial : 6 Sample Multiplier: 1

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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

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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

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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 :
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ClientSampleId :
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Manual Integrations APPROVED

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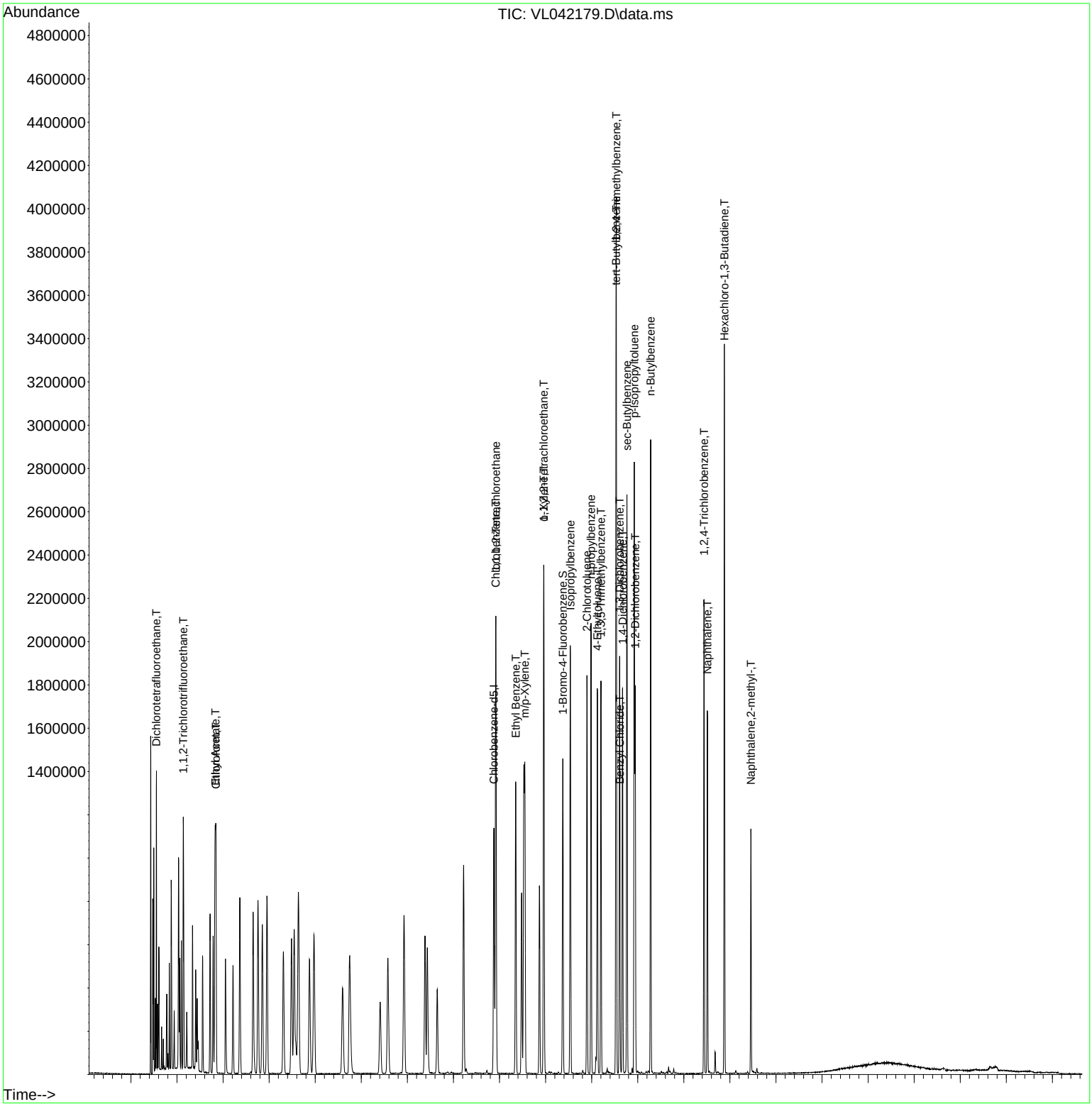
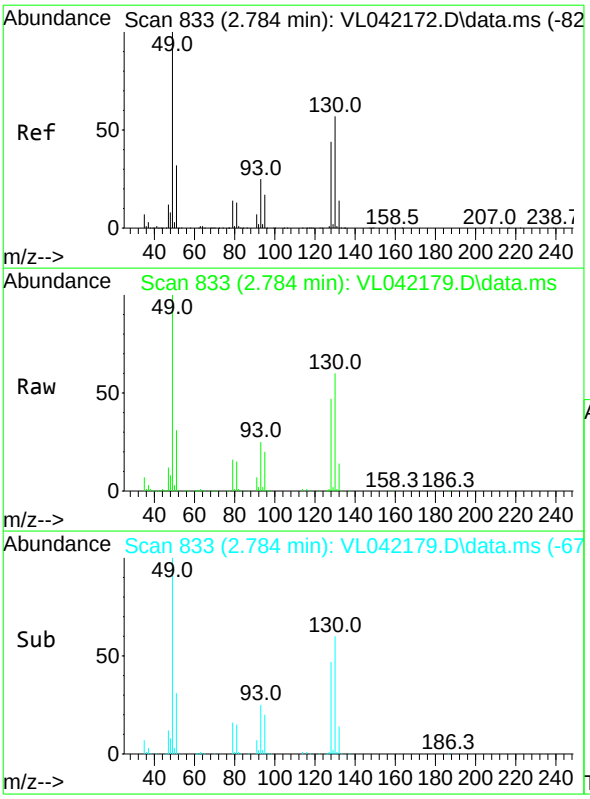
Supervised By :Mahesh Dadoda 04/03/2025

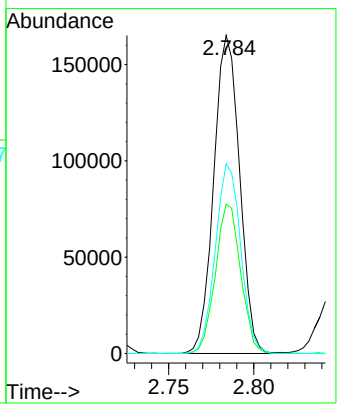




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 83
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 49 Resp: 174350

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.5
130	58.4	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
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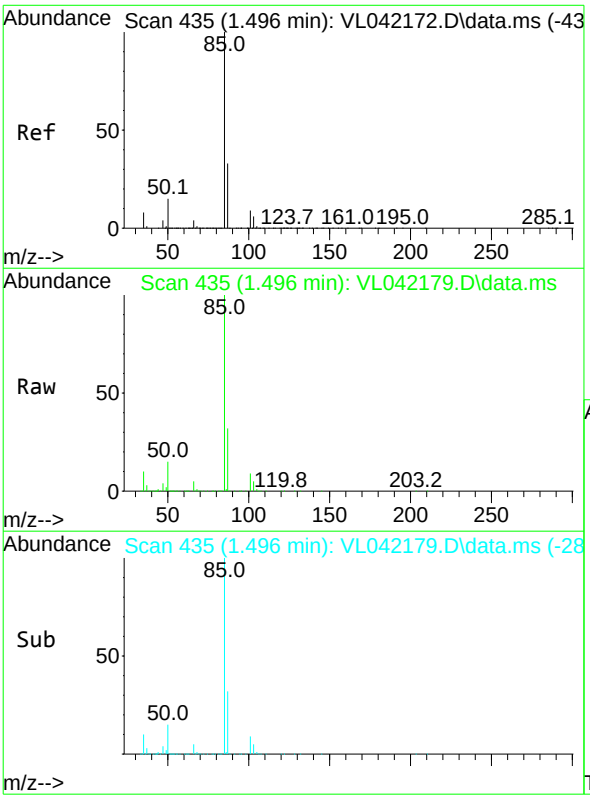
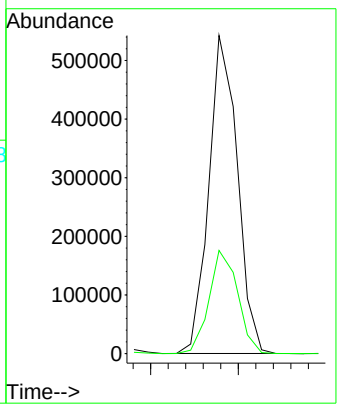
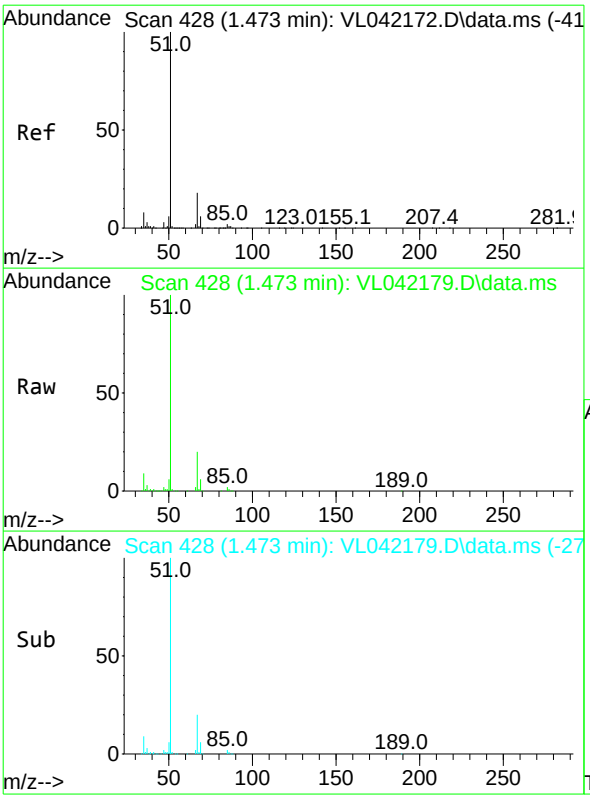


#2
Dichlorodifluoromethane
Concen: 9.545 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 85 Resp: 245714

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.1	39.1

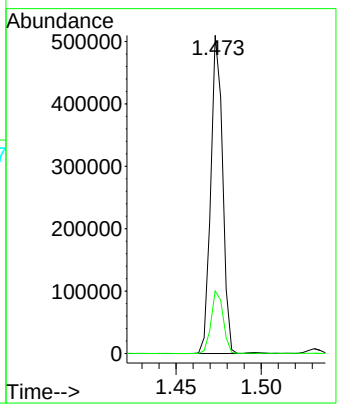




#3
Chlorodifluoromethane
Concen: 9.394 ppbv
RT: 1.473 min Scan# 42
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 51 Resp: 247046

Ion	Ratio	Lower	Upper
51	100		
67	20.1	15.0	22.6



Instrument :
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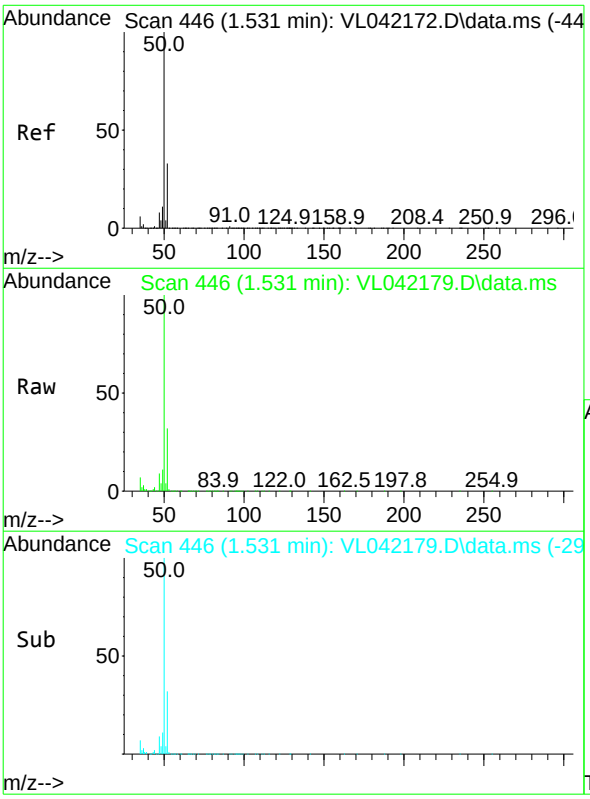
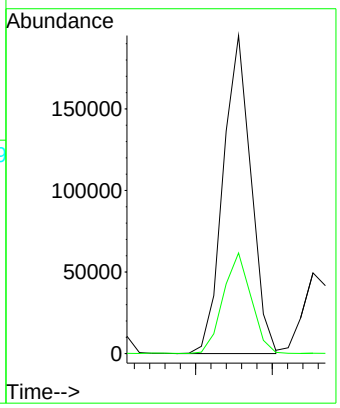
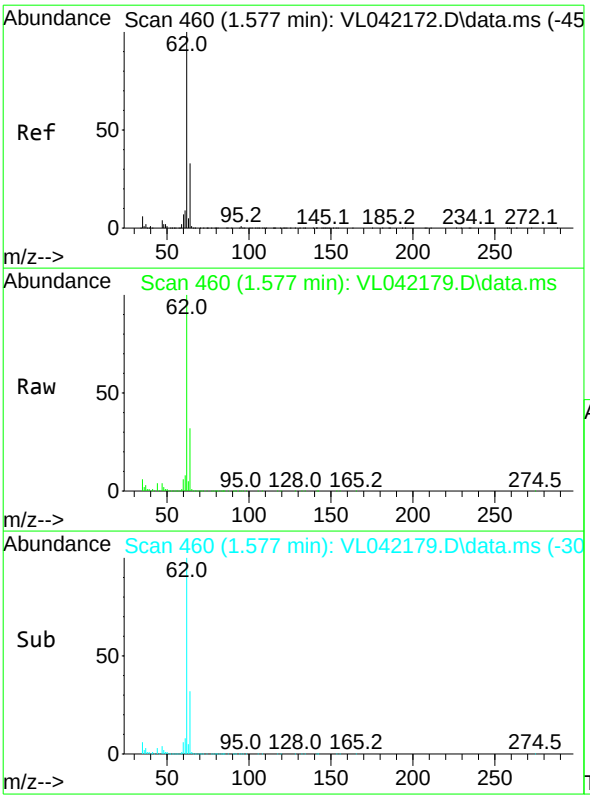


#4
Chloromethane
Concen: 9.365 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 50 Resp: 98527

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.1	39.1

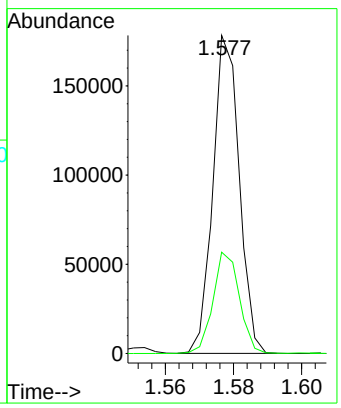




#5
Vinyl Chloride
Concen: 8.573 ppbv
RT: 1.577 min Scan# 46
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 62 Resp: 95578

Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.6	40.0



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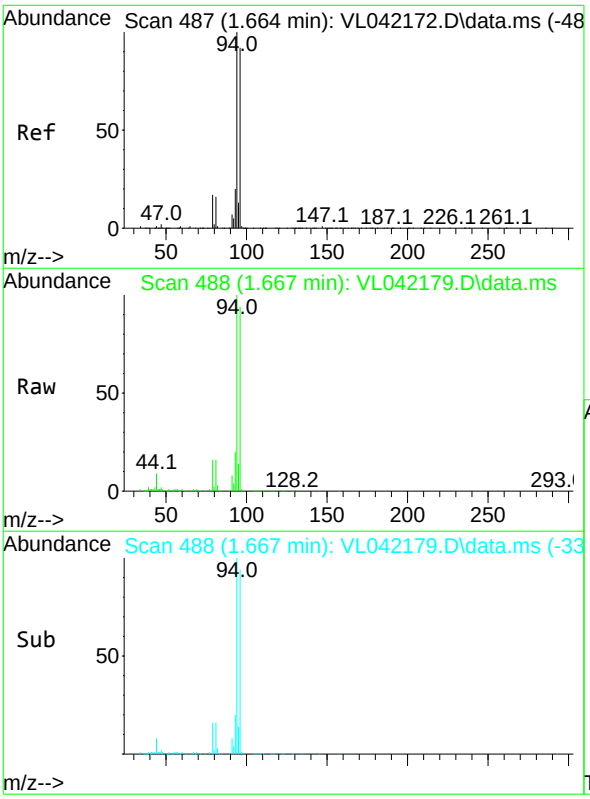
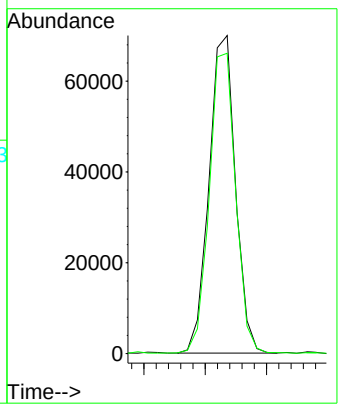
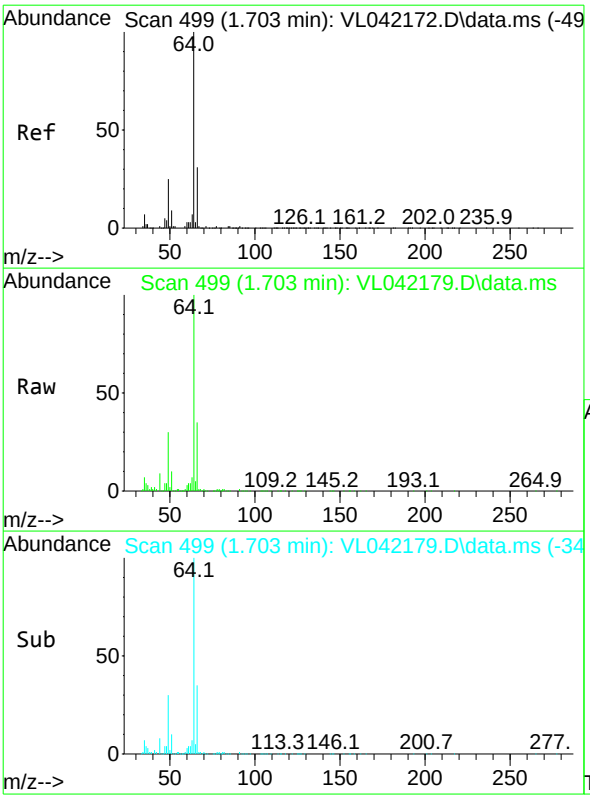


#6
Bromomethane
Concen: 8.799 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 94 Resp: 41950

Ion	Ratio	Lower	Upper
94	100		
96	94.4	73.1	109.7

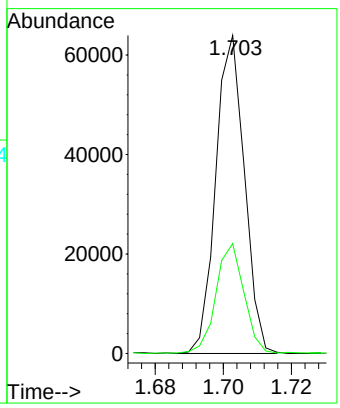




#7
Chloroethane
Concen: 8.856 ppbv
RT: 1.703 min Scan# 49
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 64 Resp: 37400

Ion	Ratio	Lower	Upper
64	100		
66	34.5	25.2	37.8



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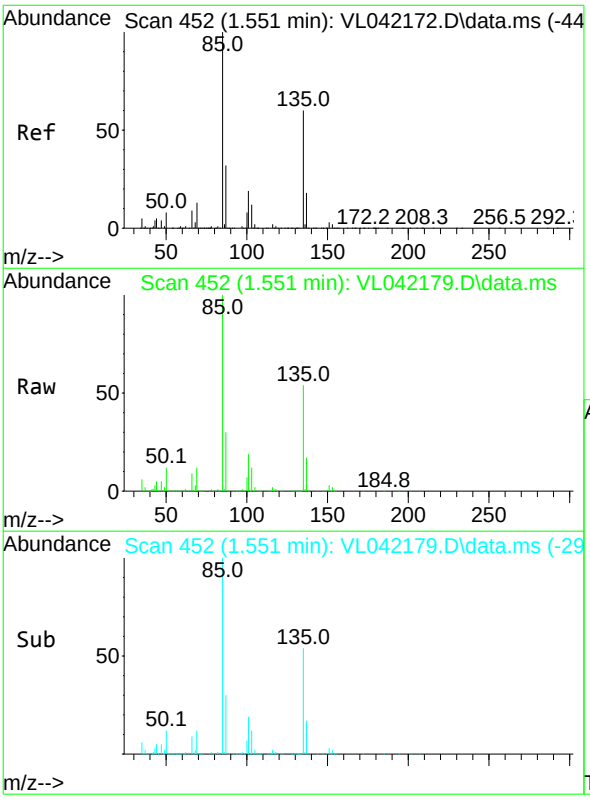
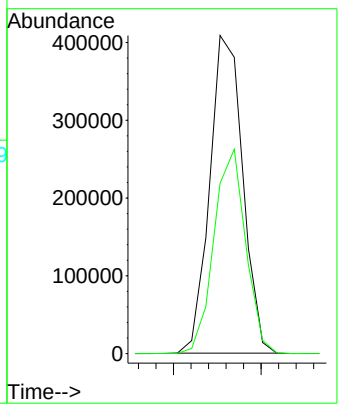
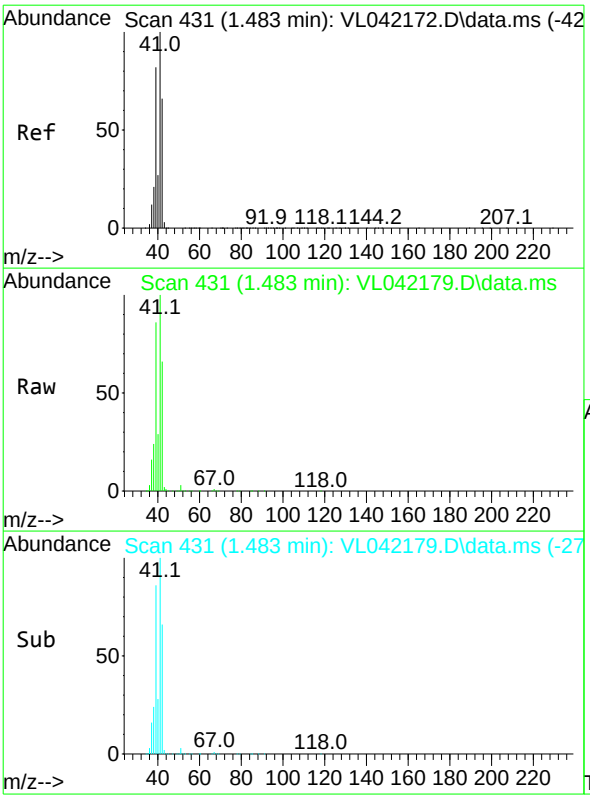


#8
Dichlorotetrafluoroethane
Concen: 9.753 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 85 Resp: 213819

Ion	Ratio	Lower	Upper
85	100		
135	61.9	52.4	78.6

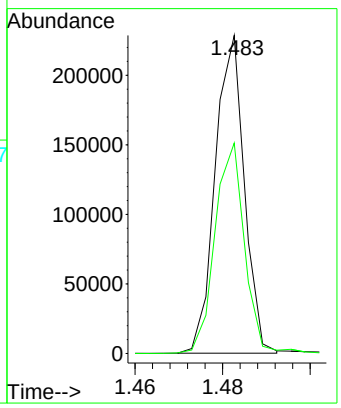




#9
Propene
Concen: 8.739 ppbv
RT: 1.483 min Scan# 43
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 41 Resp: 105338

Ion	Ratio	Lower	Upper
41	100		
42	68.1	55.4	83.2



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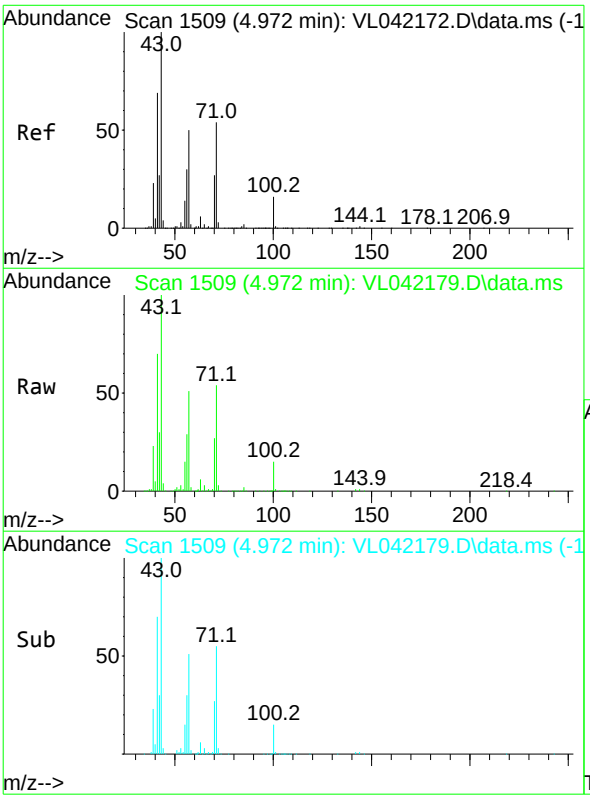
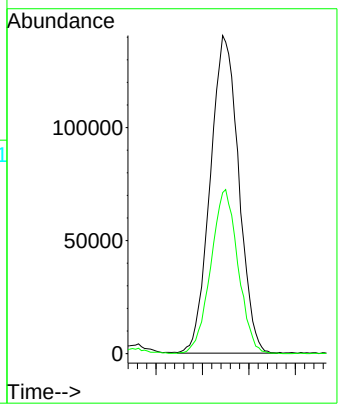
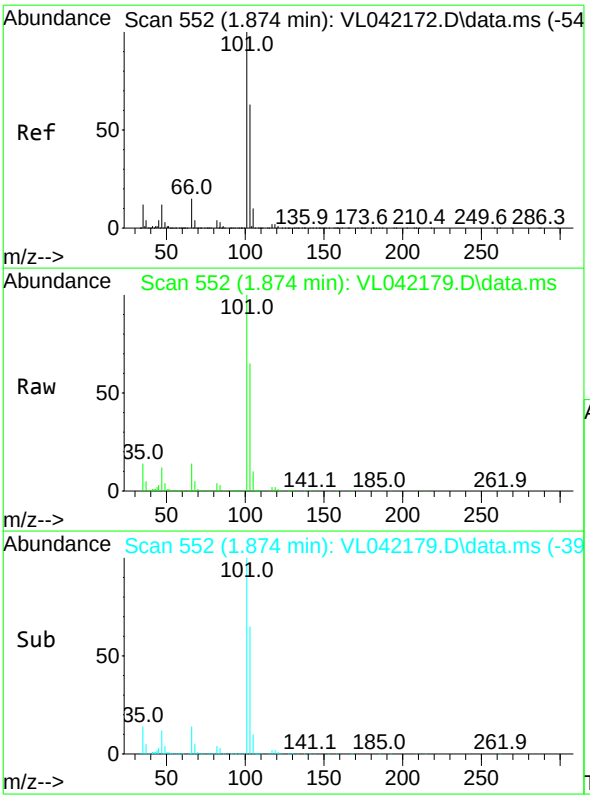


#10
Heptane
Concen: 9.318 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 298768

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.4	59.2





#11
Trichlorofluoromethane
Concen: 9.453 ppbv
RT: 1.874 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:101 Resp: 236793

Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.2	75.2

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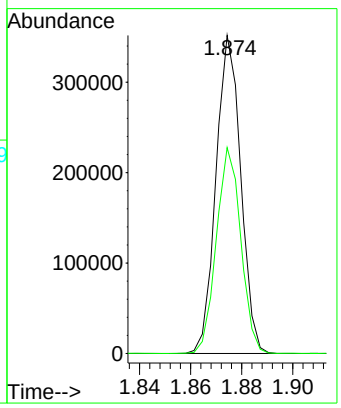
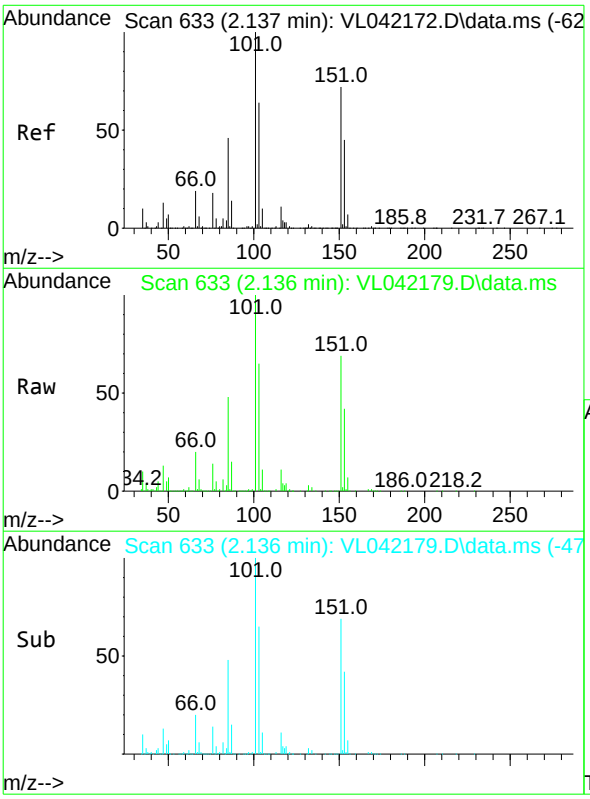
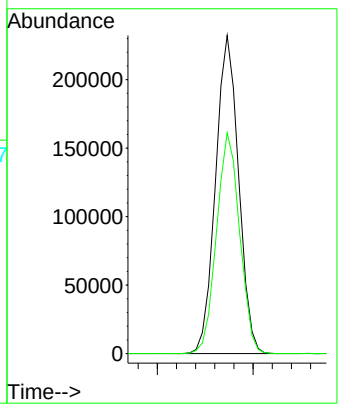


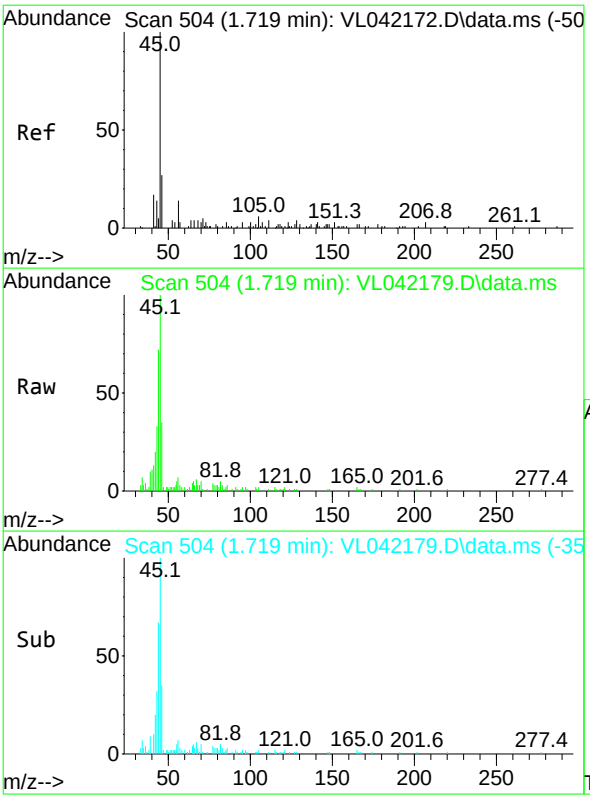


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.421 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:101 Resp: 193965

Ion	Ratio	Lower	Upper
101	100		
151	69.6	57.1	85.7

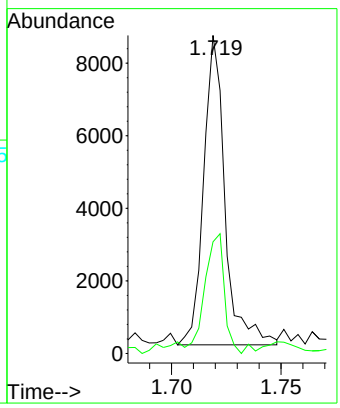




#13
Ethanol
Concen: 5.066 ppbv
RT: 1.719 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 45 Resp: 5773

Ion	Ratio	Lower	Upper
45	100		
46	48.5	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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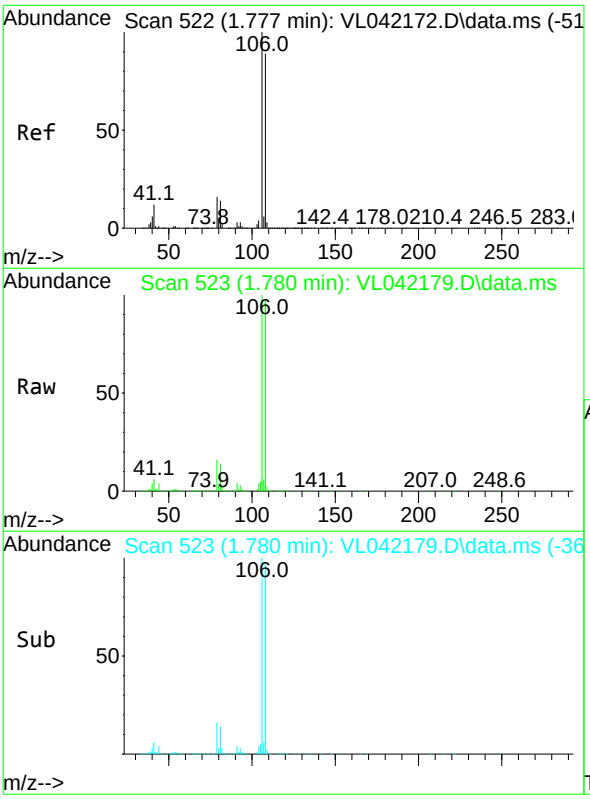
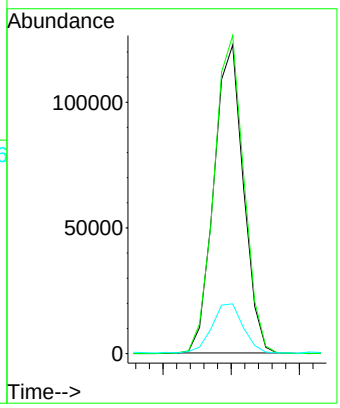
Supervised By :Mahesh Dadoda 04/03/2025

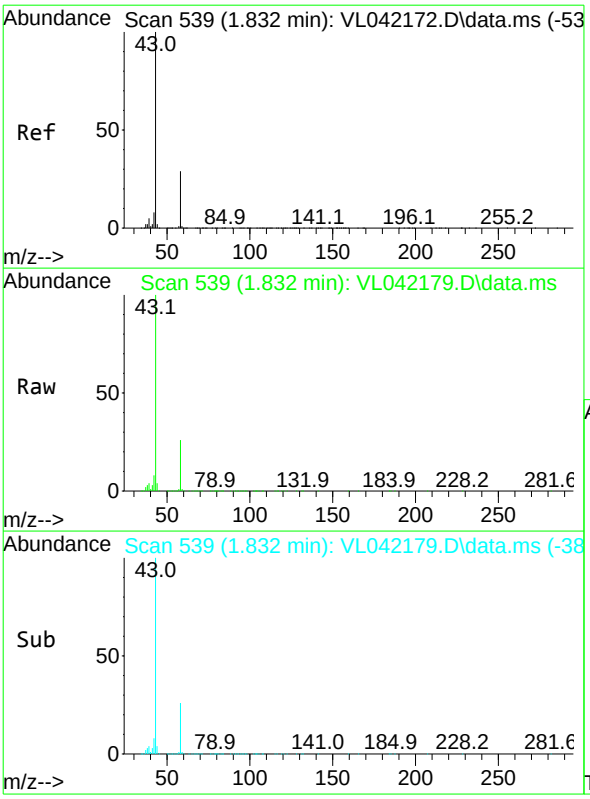


#14
Bromoethene
Concen: 9.328 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:108 Resp: 73572

Ion	Ratio	Lower	Upper
108	100		
106	105.0	86.8	130.2
79	18.8	15.0	22.6

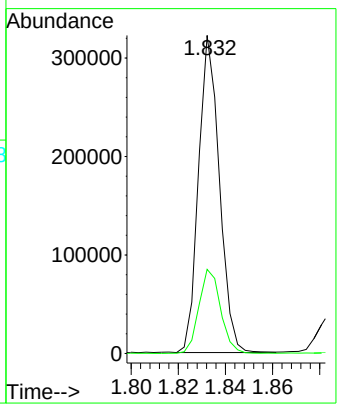




#15
Acetone
Concen: 8.132 ppbv
RT: 1.832 min Scan# 53
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 198300

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.2	34.8



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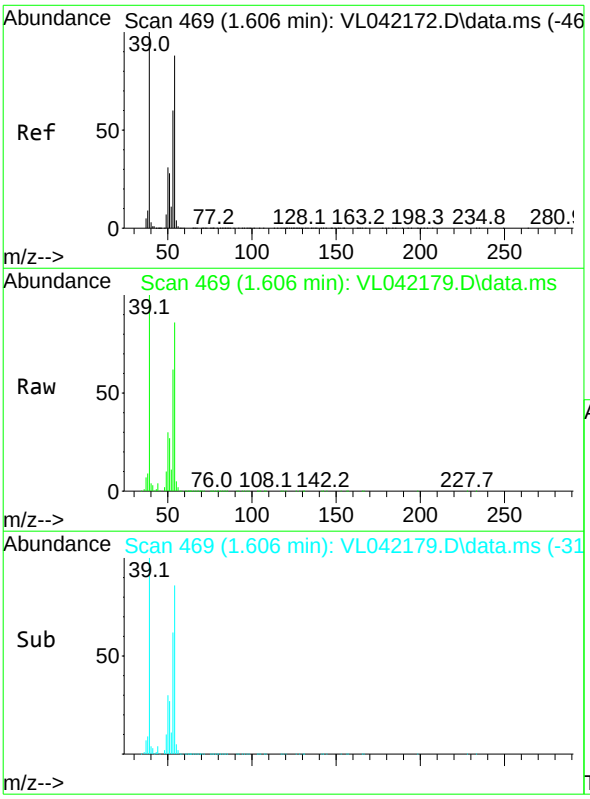
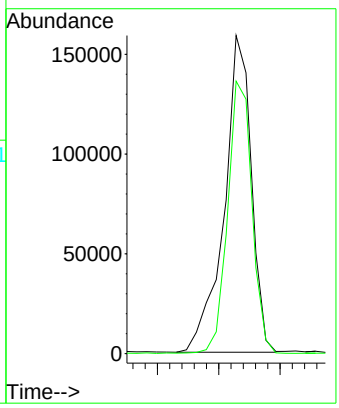
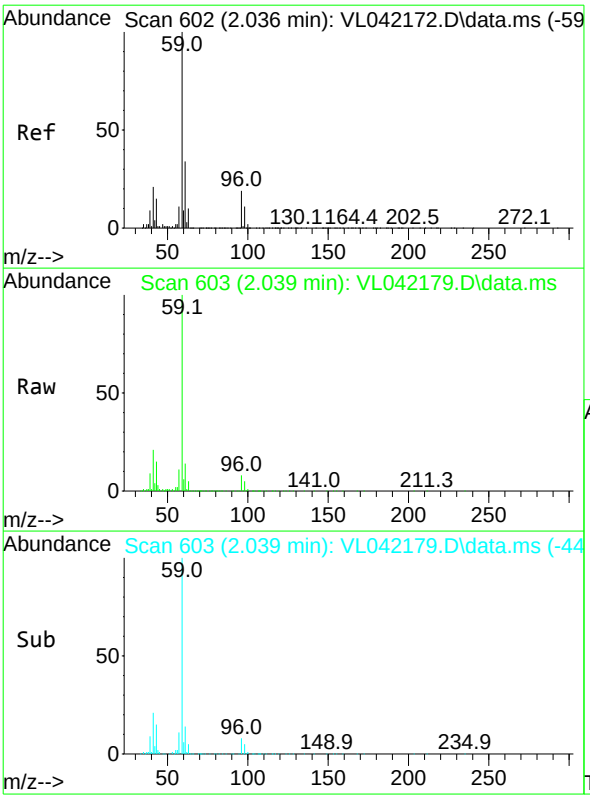


#16
1,3-Butadiene
Concen: 8.216 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 39 Resp: 97840

Ion	Ratio	Lower	Upper
39	100		
54	76.9	60.7	91.1

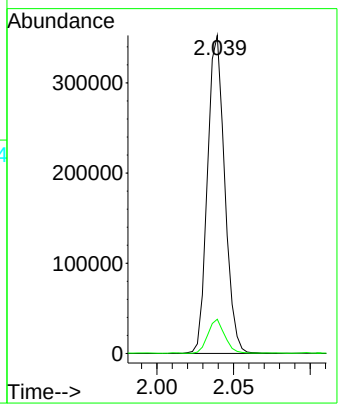




#17
tert-Butyl alcohol
Concen: 9.094 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 59 Resp: 276195

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.9	13.3



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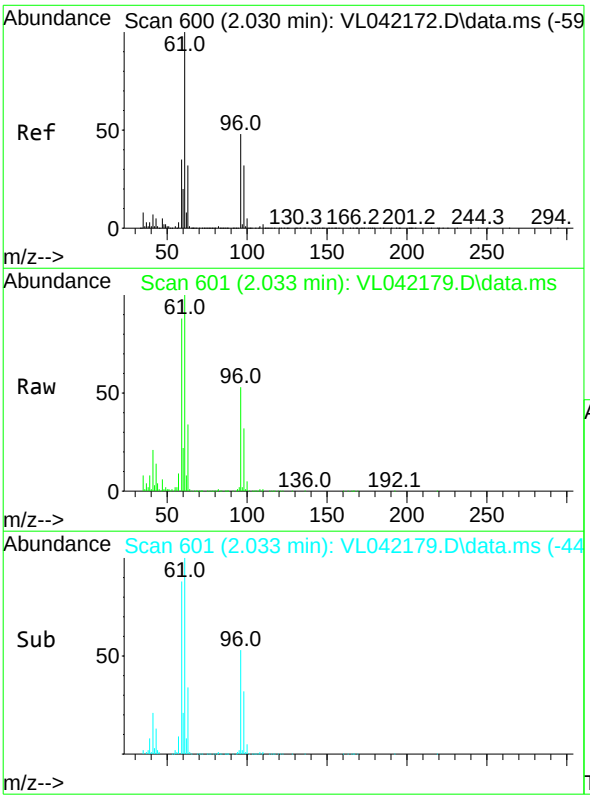
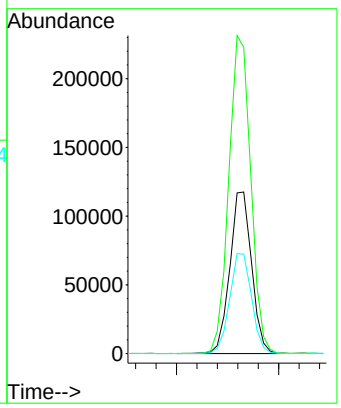
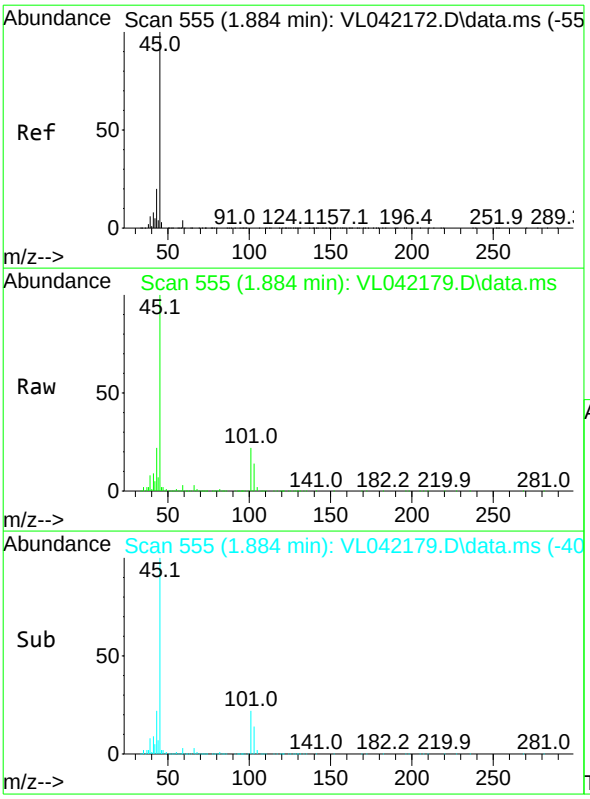


#18
1,1-Dichloroethene
Concen: 9.053 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 96 Resp: 87137

Ion	Ratio	Lower	Upper
96	100		
61	189.6	167.6	251.4
98	61.5	53.5	80.3

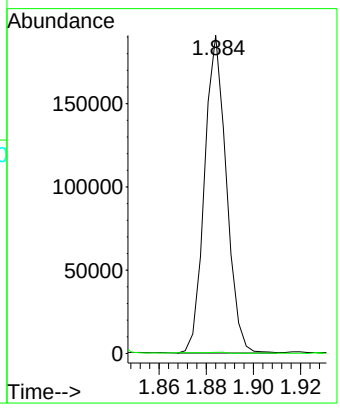




#19
Isopropyl Alcohol
Concen: 8.923 ppbv
RT: 1.884 min Scan# 55
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 45 Resp: 122768

Ion	Ratio	Lower	Upper
45	100		
58	44.9	36.9	55.3



Instrument :
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ClientSampleId :
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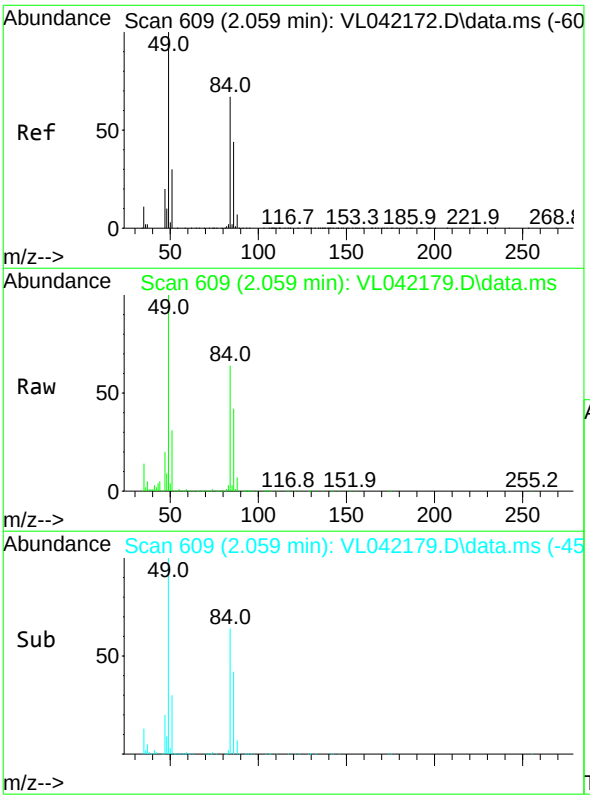
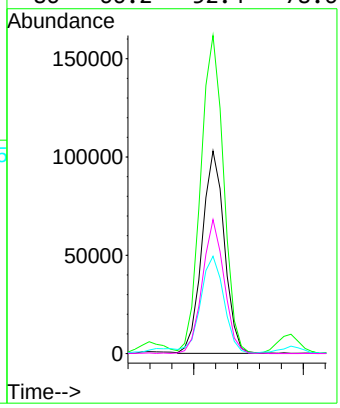
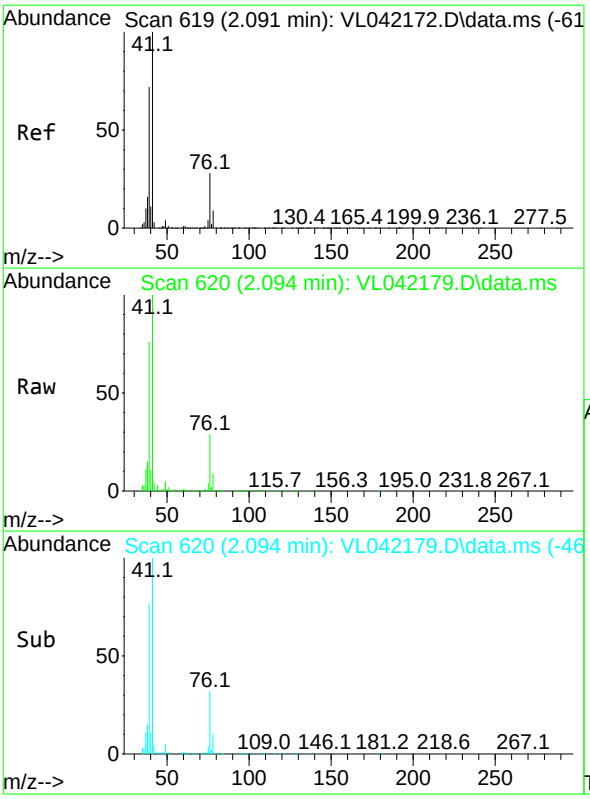


#20
Methylene Chloride
Concen: 8.018 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 84 Resp: 72813

Ion	Ratio	Lower	Upper
84	100		
49	155.8	120.2	180.4
51	46.4	37.4	56.0
86	66.2	52.4	78.6

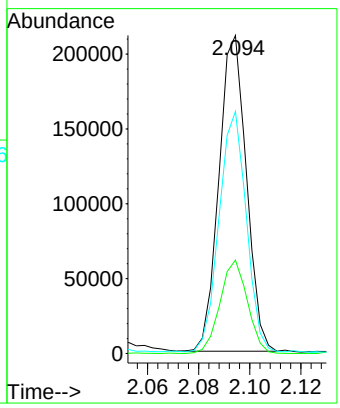




#21
Allyl Chloride
Concen: 9.154 ppbv
RT: 2.094 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 41 Resp: 157418

Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.1	36.1
39	75.5	61.1	91.7



Instrument :
MSVOA_L
ClientSampleId :
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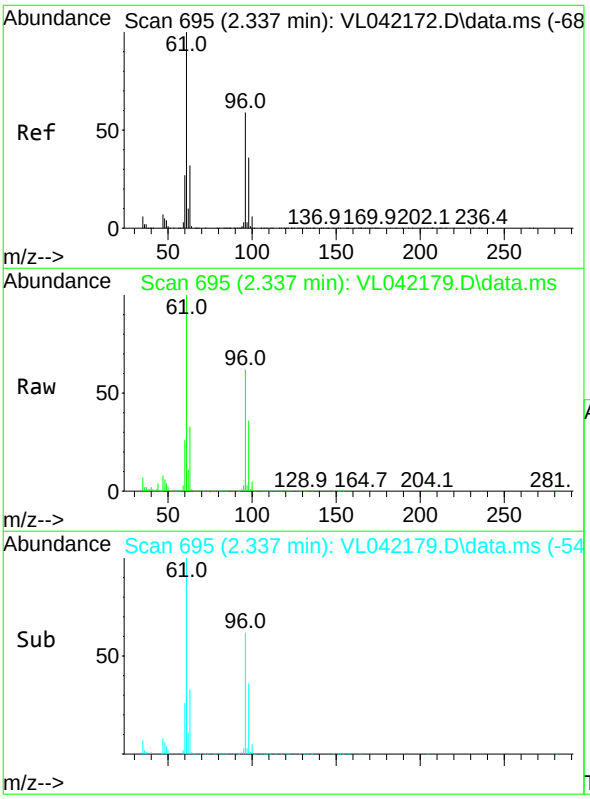
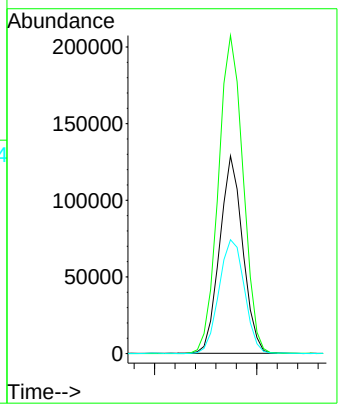
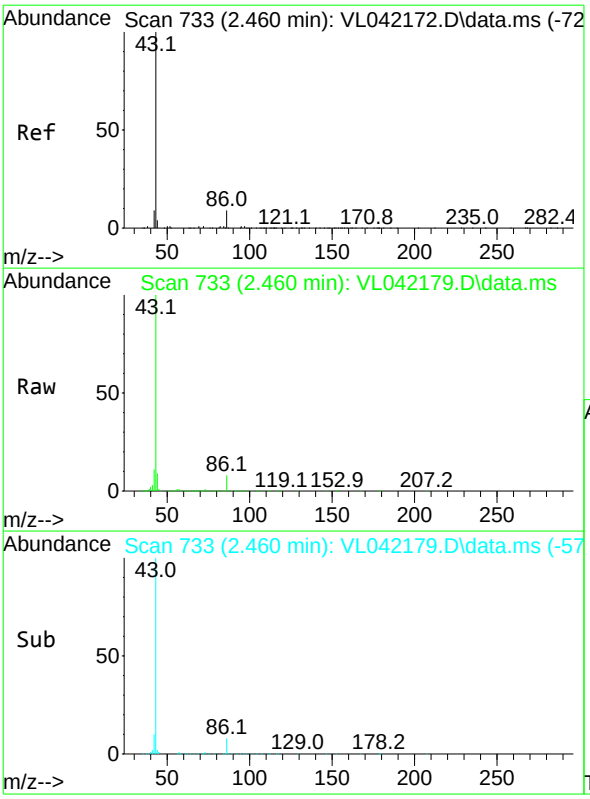


#22
trans-1,2-Dichloroethene
Concen: 9.092 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 96 Resp: 101141

Ion	Ratio	Lower	Upper
96	100		
61	161.2	136.6	204.8
98	57.7	49.4	74.2

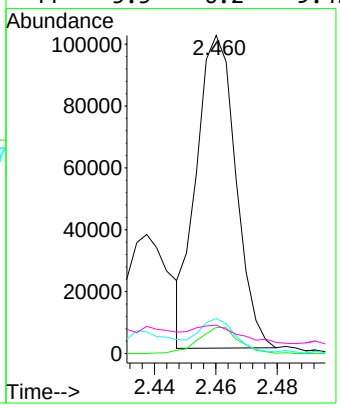




#23
Vinyl Acetate
Concen: 8.553 ppbv
RT: 2.460 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 90260

Ion	Ratio	Lower	Upper
43	100		
86	8.3	5.5	8.3#
42	10.7	8.6	13.0
44	5.5	6.2	9.4#



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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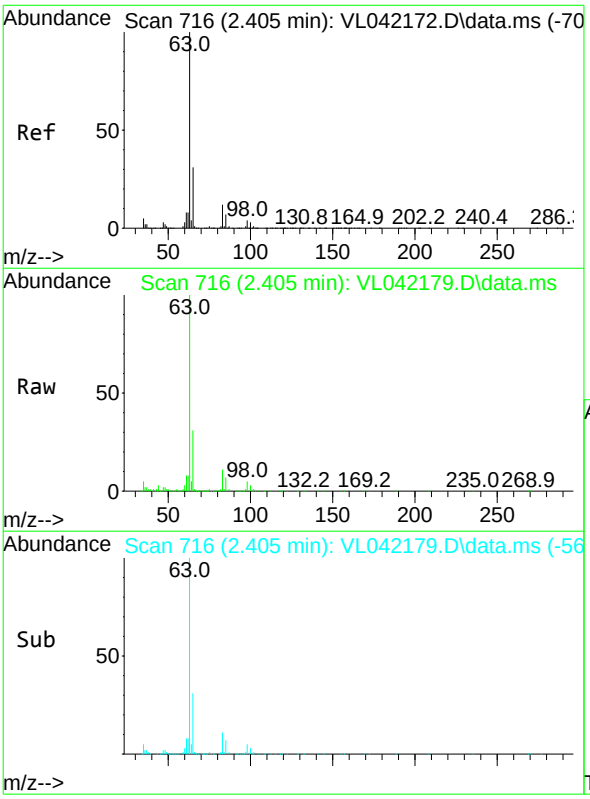
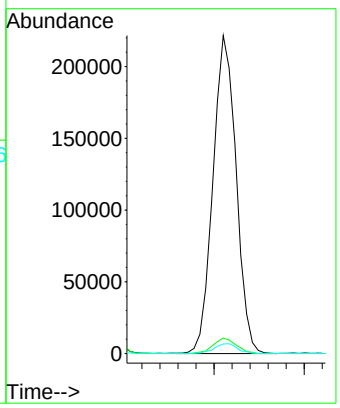
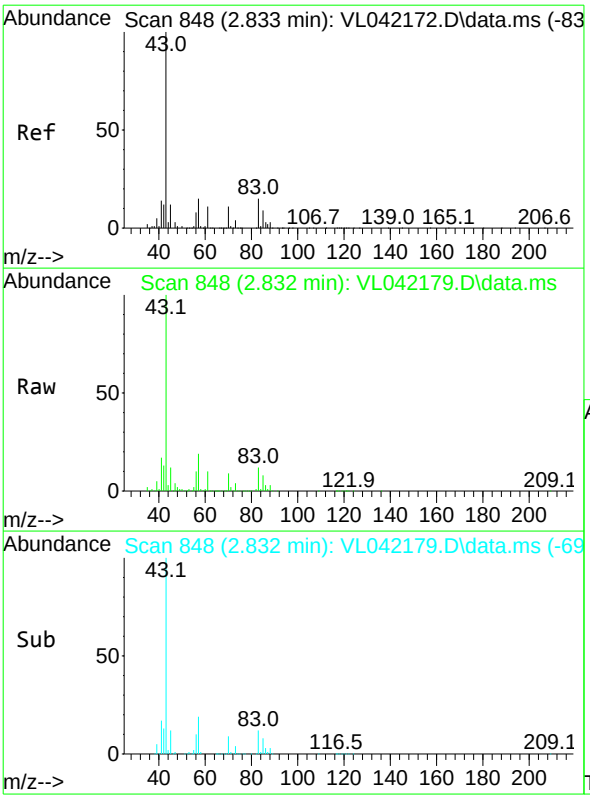


#24
1,1-Dichloroethane
Concen: 9.600 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 63 Resp: 197968

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.8
100	3.0	1.6	4.7

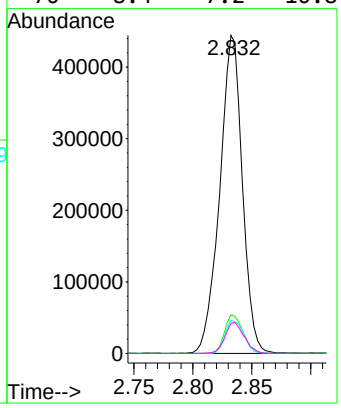




#25
Ethyl Acetate
Concen: 9.364 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 592585

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.7	7.3	10.9
70	8.4	7.2	10.8



Instrument :
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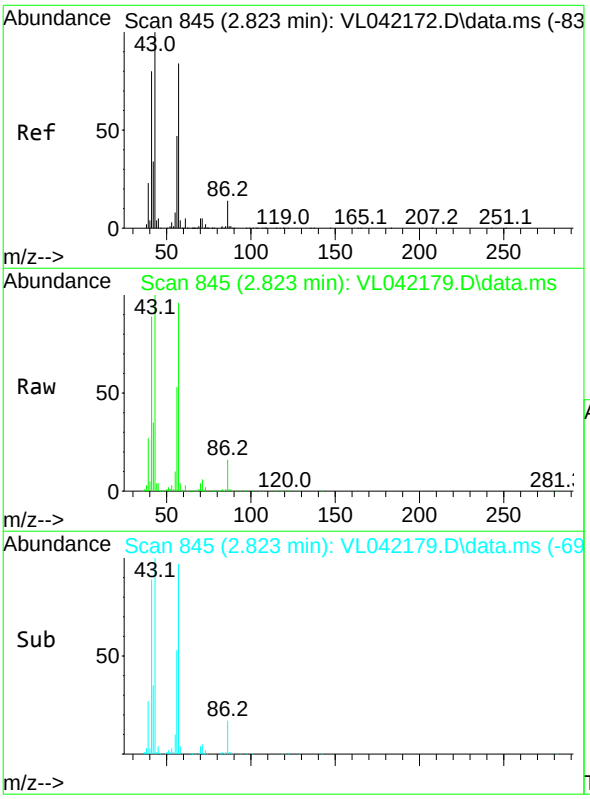
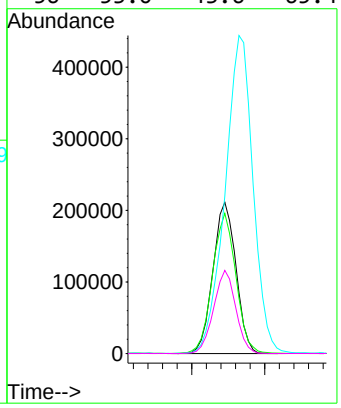
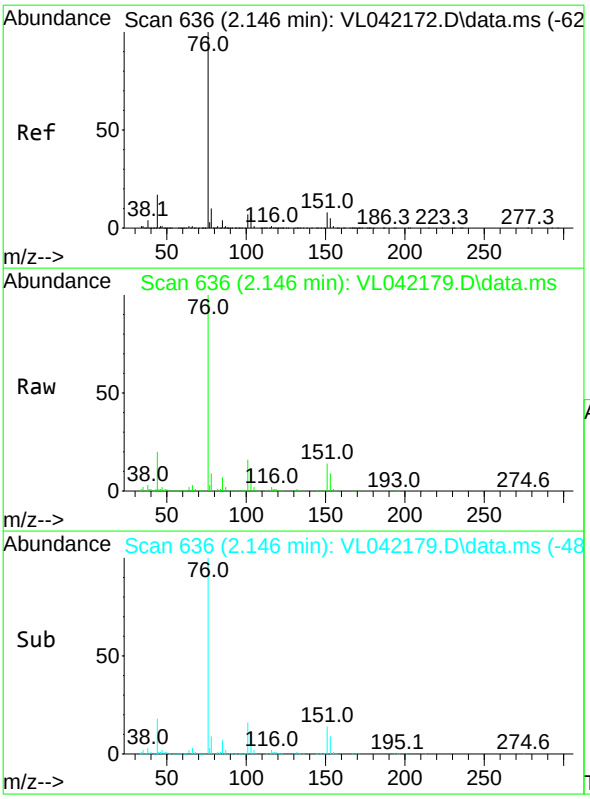


#26
Hexane
Concen: 9.455 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 57 Resp: 231125

Ion	Ratio	Lower	Upper
57	100		
41	95.2	76.6	114.8
43	256.8	207.8	311.8
56	53.0	43.6	65.4

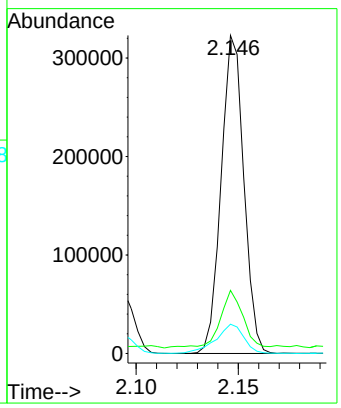




#27
Carbon Disulfide
Concen: 9.493 ppbv
RT: 2.146 min Scan# 63
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 76 Resp: 248834

Ion	Ratio	Lower	Upper
76	100		
44	20.1	14.7	22.1
78	11.3	9.3	13.9



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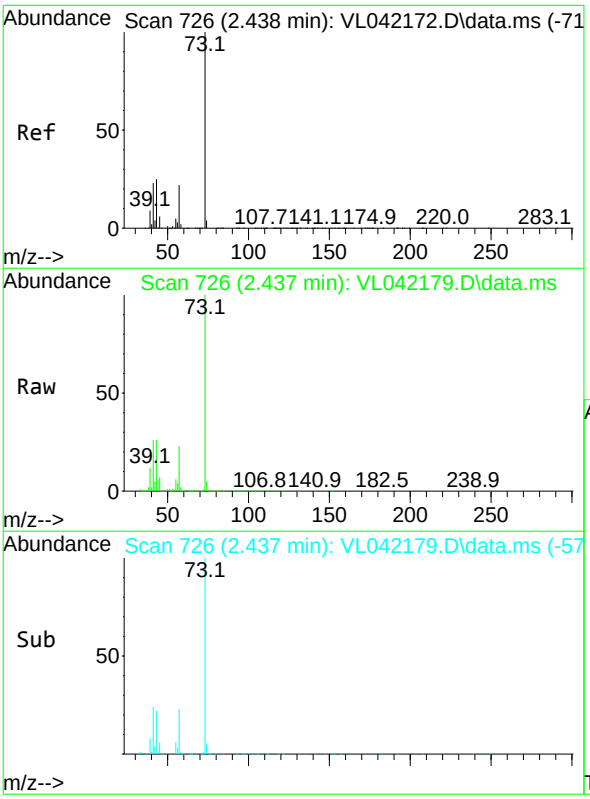
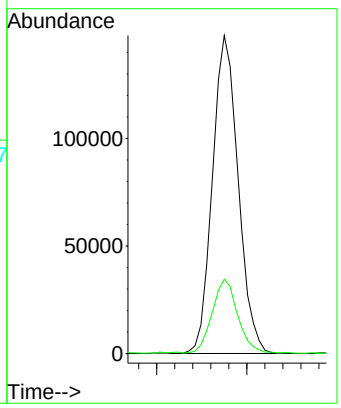
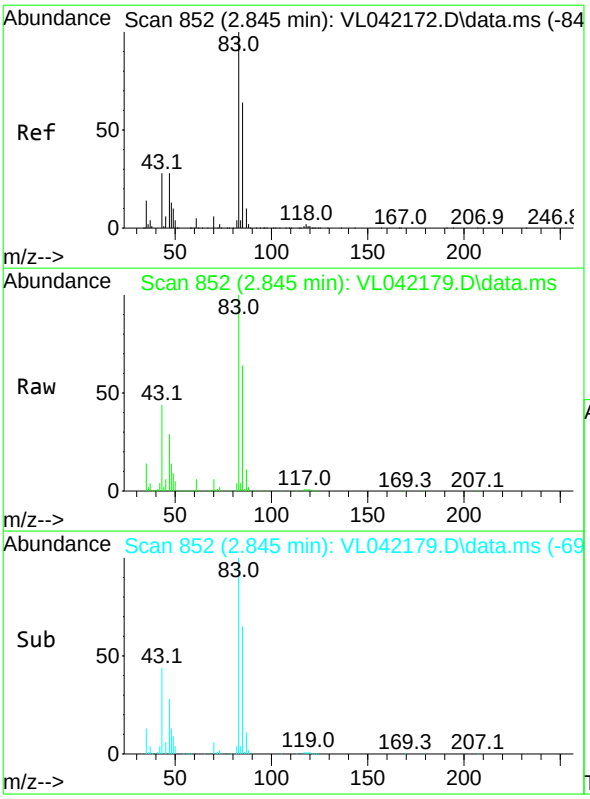


#28
Methyl tert-Butyl Ether
Concen: 9.624 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 73 Resp: 146470

Ion	Ratio	Lower	Upper
73	100		
57	23.3	20.5	30.7

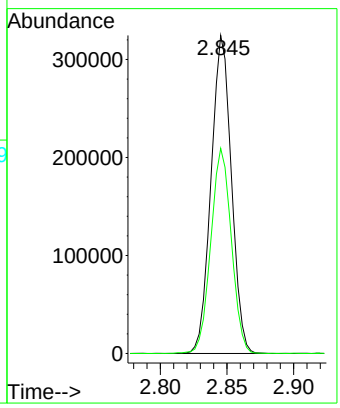




#29
Chloroform
Concen: 9.619 ppbv
RT: 2.845 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 83 Resp: 344106

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2



Instrument :
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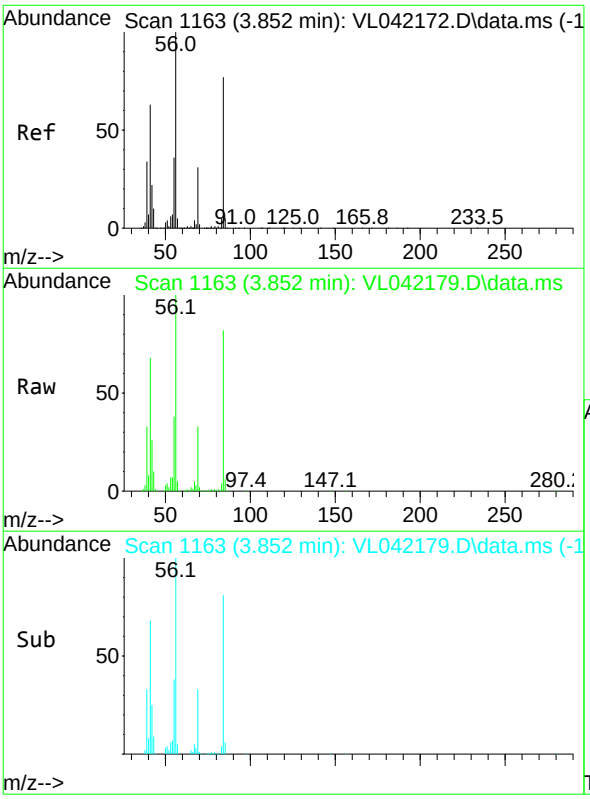
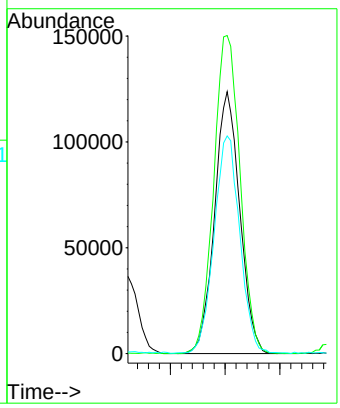
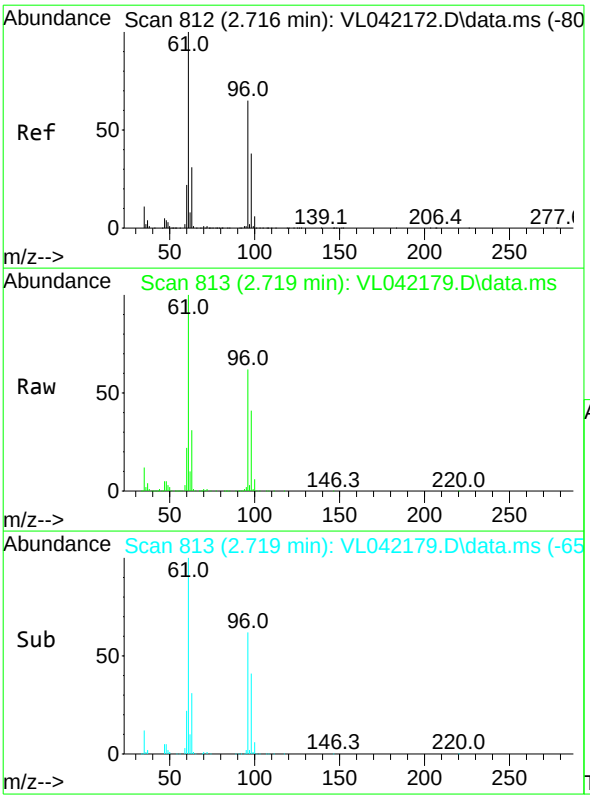


#30
Cyclohexane
Concen: 9.323 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 84 Resp: 197897

Ion	Ratio	Lower	Upper
84	100		
56	126.8	102.8	154.2
41	84.6	66.5	99.7

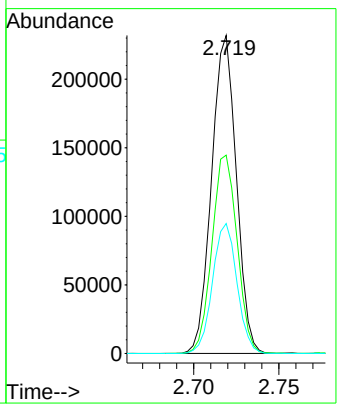




#31
cis-1,2-Dichloroethene
Concen: 9.449 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 61 Resp: 234487

Ion	Ratio	Lower	Upper
61	100		
96	62.3	51.8	77.8
98	40.9	30.6	46.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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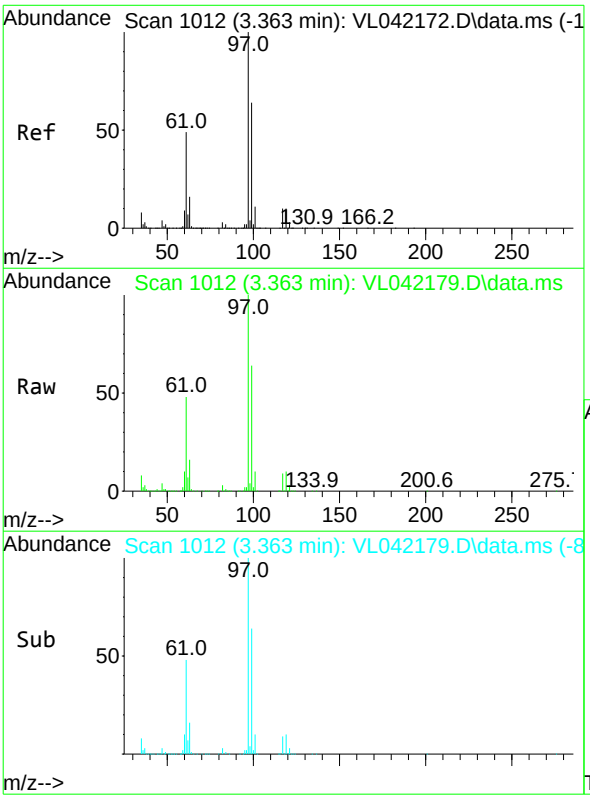
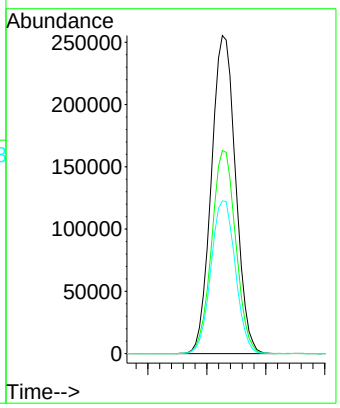
Supervised By :Mahesh Dadoda 04/03/2025

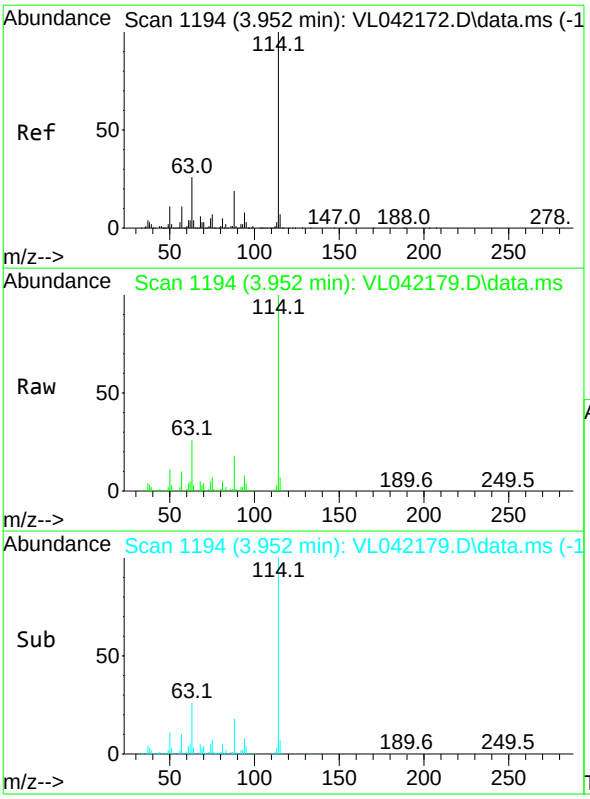


#32
1,1,1-Trichloroethane
Concen: 8.921 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 97 Resp: 365364

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	48.4	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:114 Resp: 498105

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.7	31.1
88	18.7	15.0	22.4

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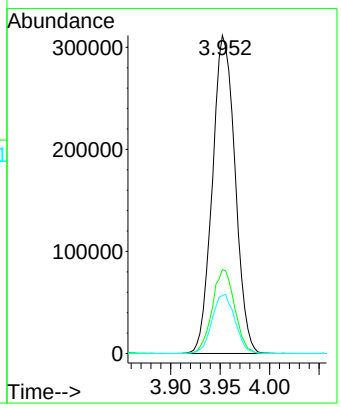
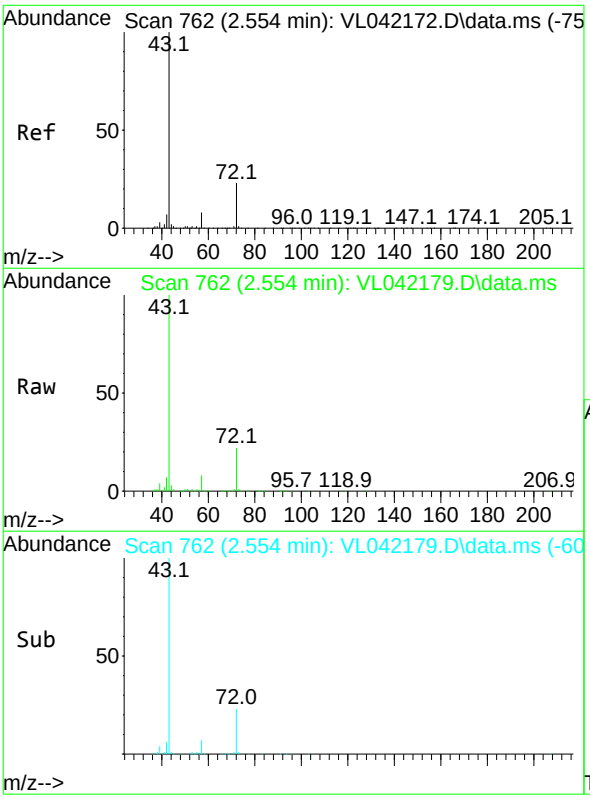
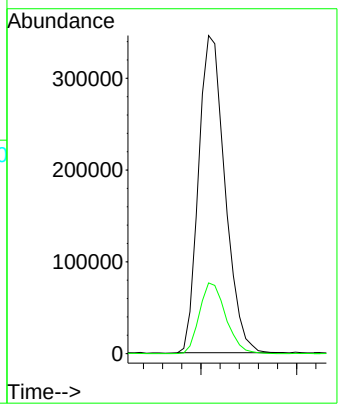


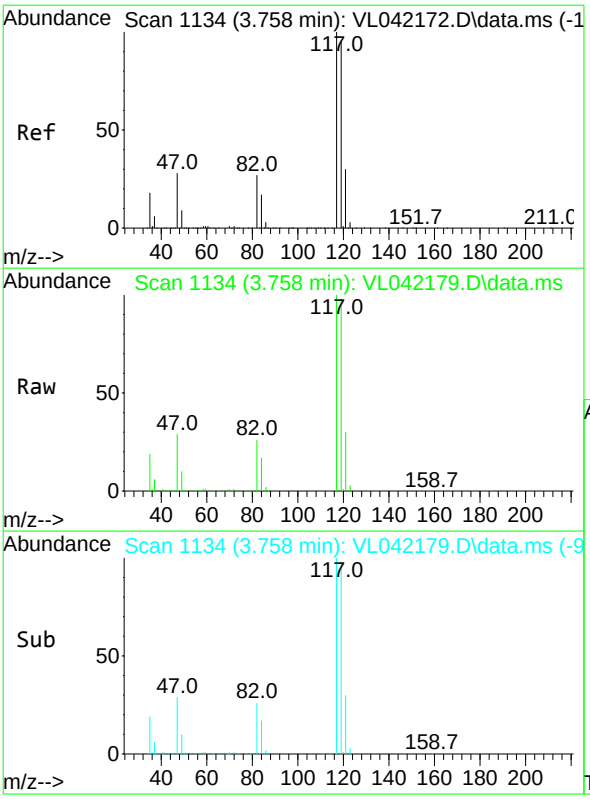


#34
2-Butanone
Concen: 9.171 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 331236

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.2	27.2





#35
Carbon Tetrachloride
Concen: 9.339 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:117 Resp: 363392

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
121	29.9	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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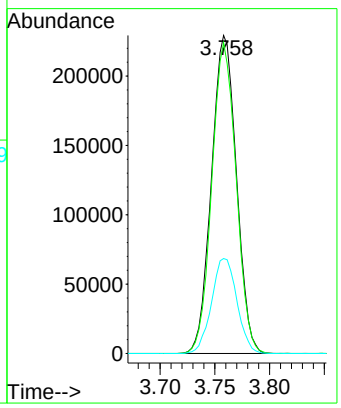
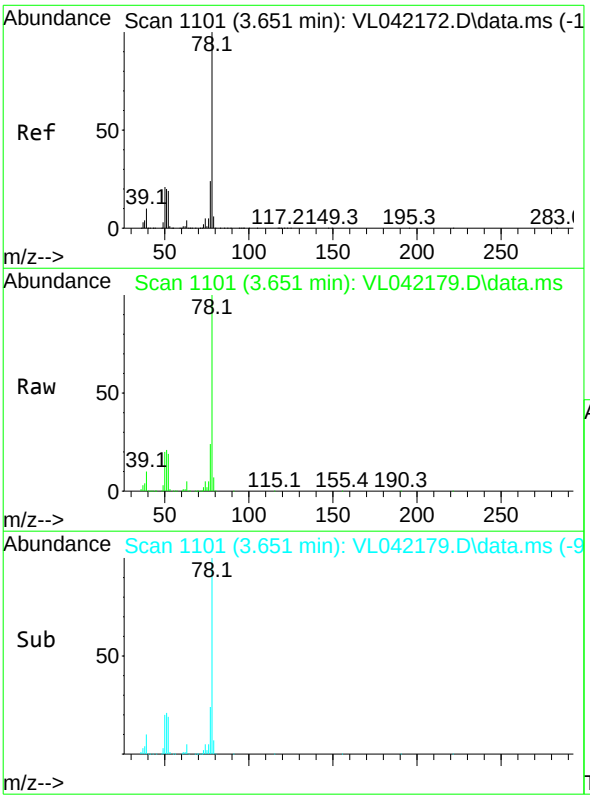
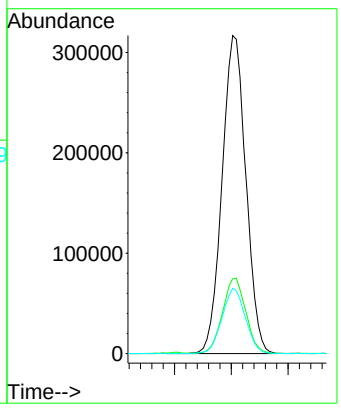


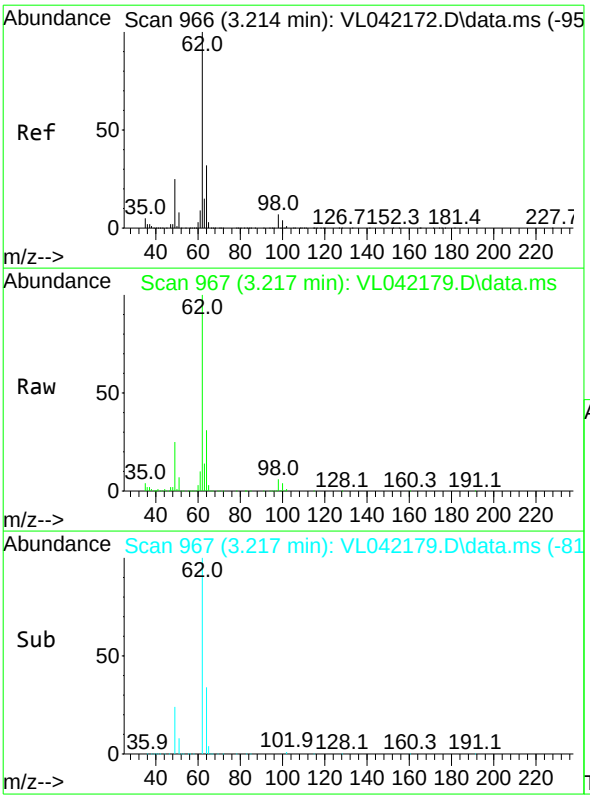


#36
Benzene
Concen: 9.341 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 78 Resp: 461261

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
50	20.4	16.6	24.8

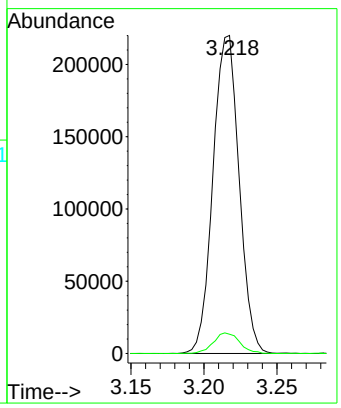




#37
1,2-Dichloroethane
Concen: 9.676 ppbv
RT: 3.217 min Scan# 96
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 62 Resp: 273559

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.4	8.2



Instrument :
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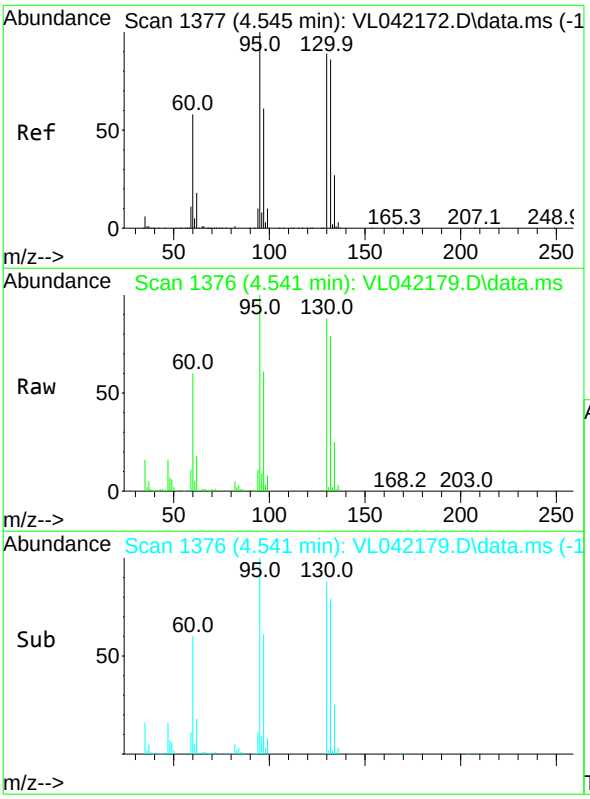
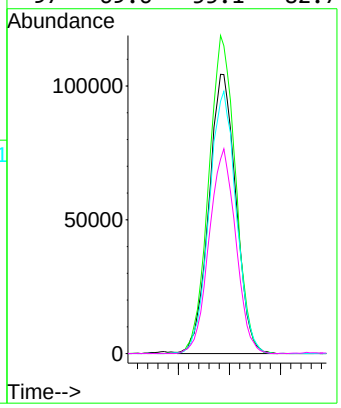
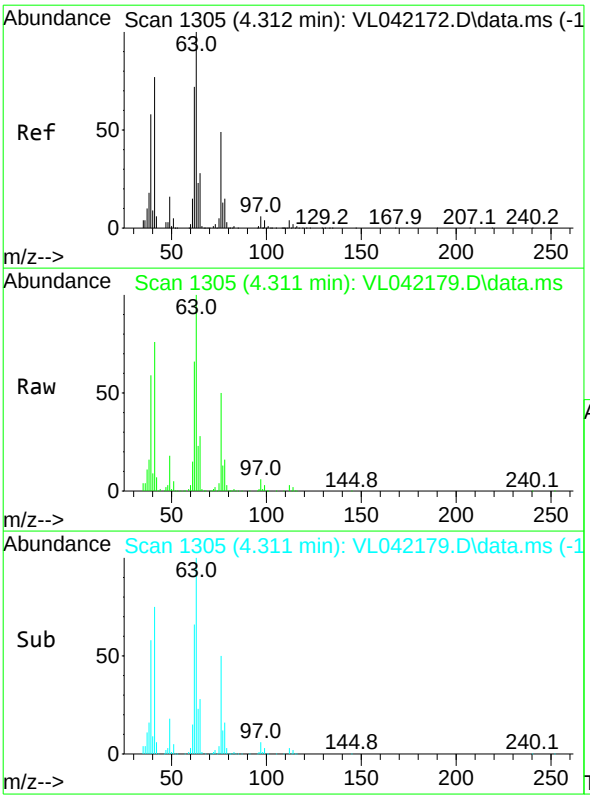


#38
Trichloroethene
Concen: 9.306 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:130 Resp: 191746

Ion	Ratio	Lower	Upper
130	100		
95	113.9	89.8	134.8
132	90.3	77.4	116.2
97	69.6	55.1	82.7

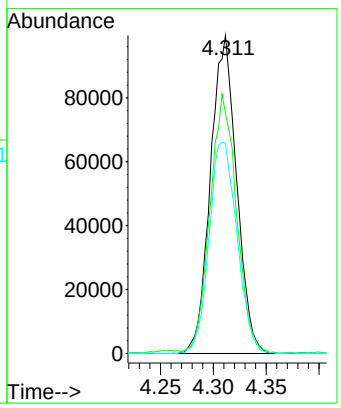




#39
1,2-Dichloropropane
Concen: 9.500 ppbv
RT: 4.311 min Scan# 13
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 63 Resp: 170839

Ion	Ratio	Lower	Upper
63	100		
41	75.3	61.7	92.5
62	66.0	57.6	86.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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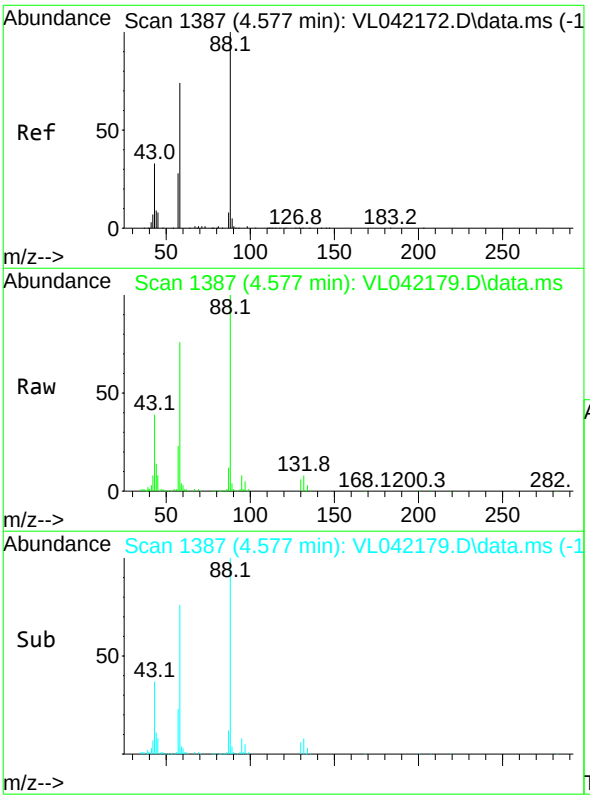
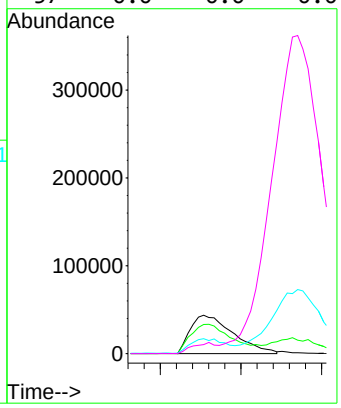
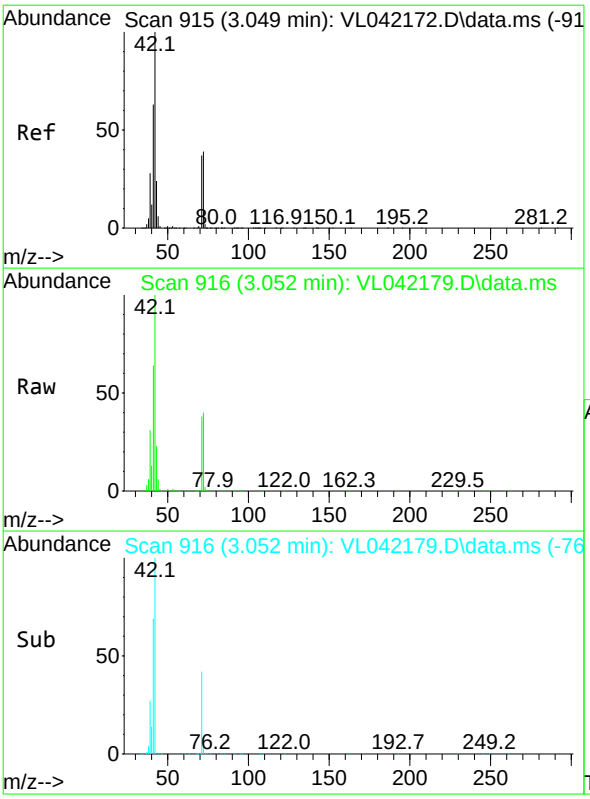


#40
1,4-Dioxane
Concen: 8.443 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 88 Resp: 80592

Ion	Ratio	Lower	Upper
88	100		
58	76.2	62.7	94.1
43	31.4	23.0	34.4
57	0.0	0.0	0.0

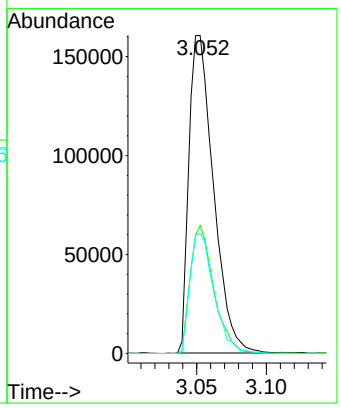




#41
Tetrahydrofuran
Concen: 9.431 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 42 Resp: 196163

Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.4	47.0
71	37.2	30.2	45.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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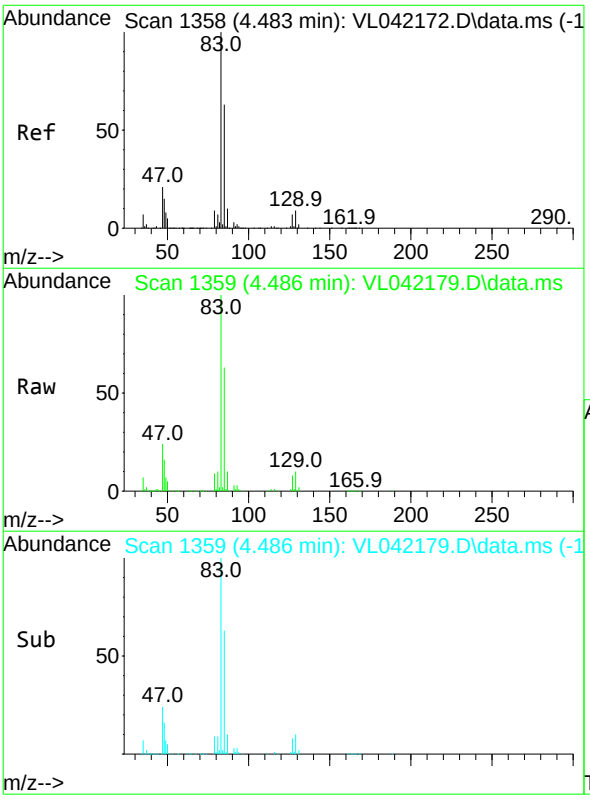
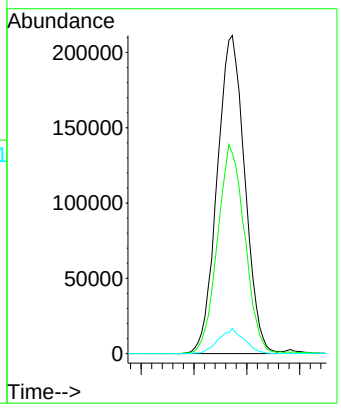
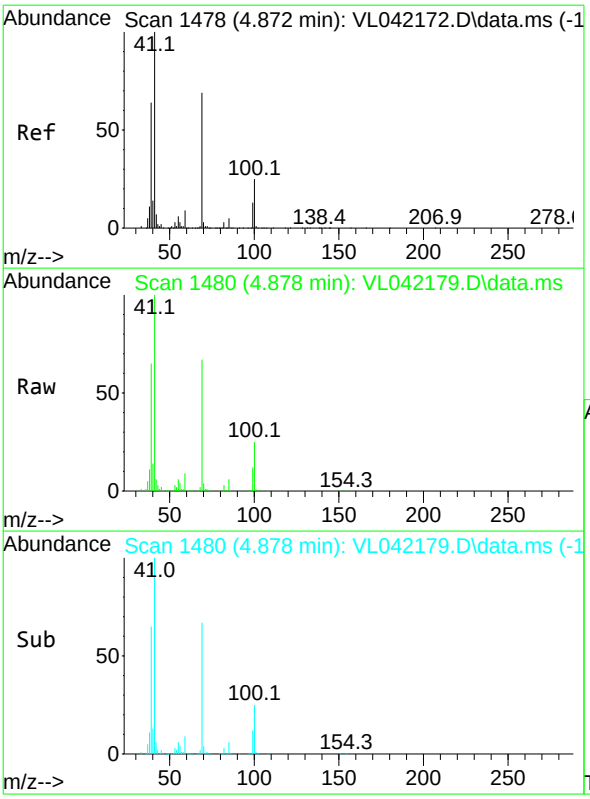


#42
Bromodichloromethane
Concen: 9.853 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 83 Resp: 384006

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	7.9	5.9	8.9

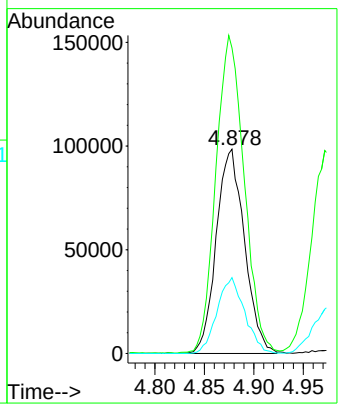




#43
Methyl Methacrylate
Concen: 9.344 ppbv
RT: 4.878 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 69 Resp: 195339

Ion	Ratio	Lower	Upper
69	100		
41	156.4	123.8	185.6
100	36.4	28.4	42.6



Instrument :
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ClientSampleId :
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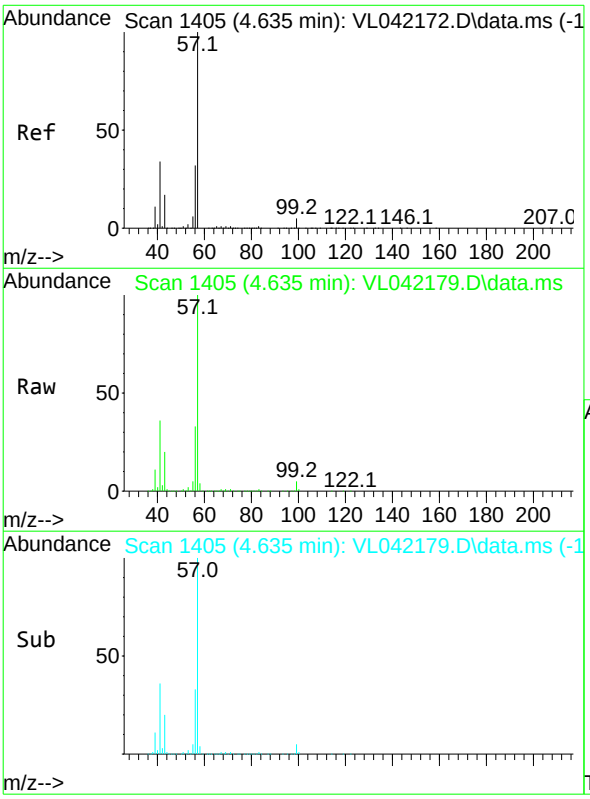
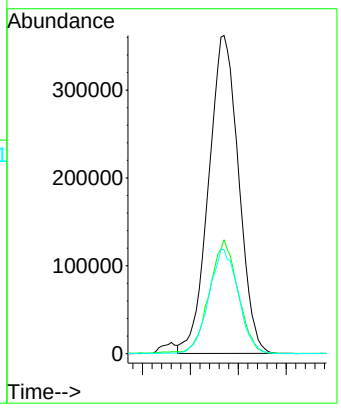
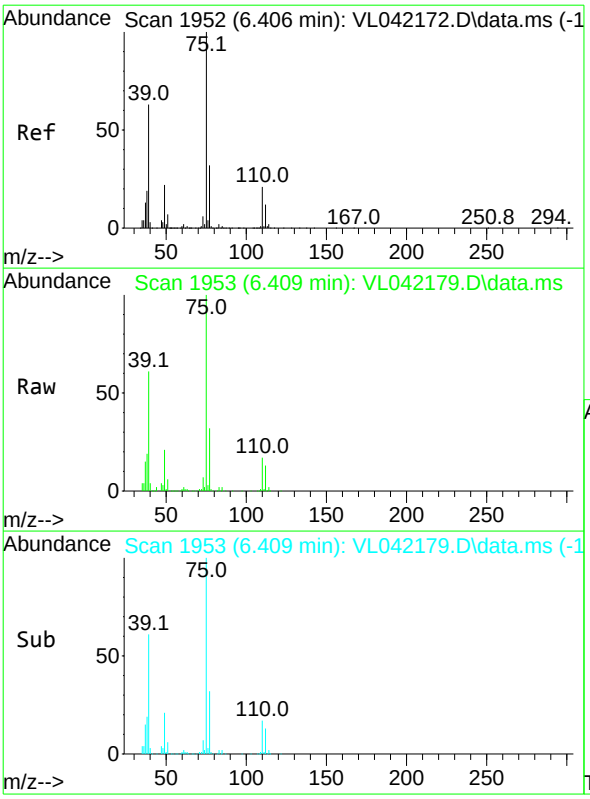


#44
2,2,4-Trimethylpentane
Concen: 9.436 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 57 Resp: 787400

Ion	Ratio	Lower	Upper
57	100		
41	34.3	26.8	40.2
56	32.5	25.6	38.4

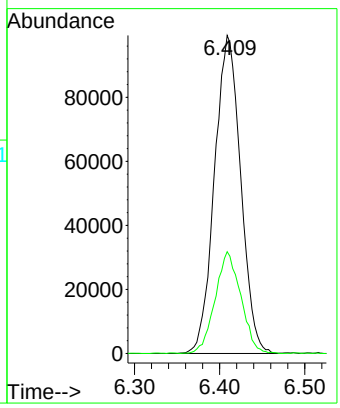




#45
t-1,3-Dichloropropene
Concen: 9.467 ppbv
RT: 6.409 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 75 Resp: 212335

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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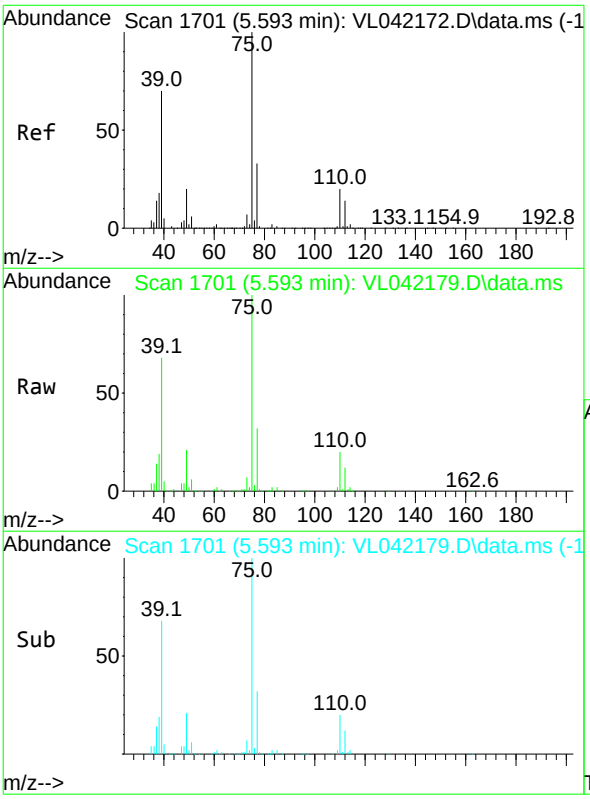
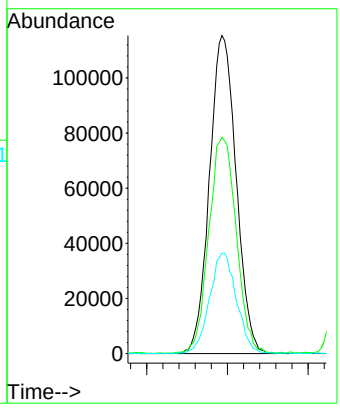
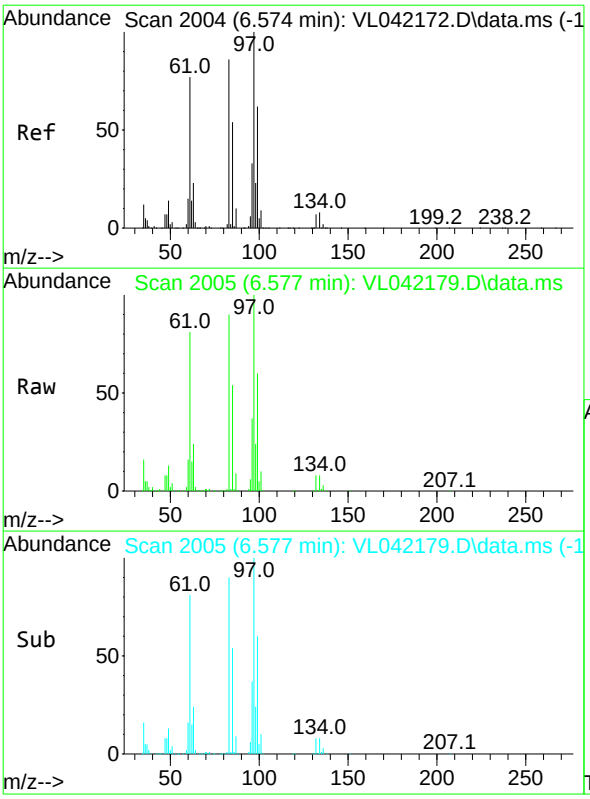


#46
cis-1,3-Dichloropropene
Concen: 9.643 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 75 Resp: 265101

Ion	Ratio	Lower	Upper
75	100		
39	67.8	55.8	83.6
77	31.6	26.0	39.0

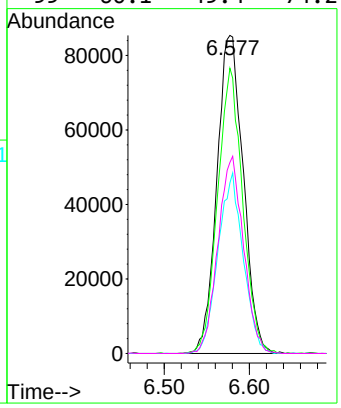




#47
1,1,2-Trichloroethane
Concen: 9.638 ppbv
RT: 6.577 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 97 Resp: 183228

Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.2	103.8
85	53.6	43.1	64.7
99	60.1	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
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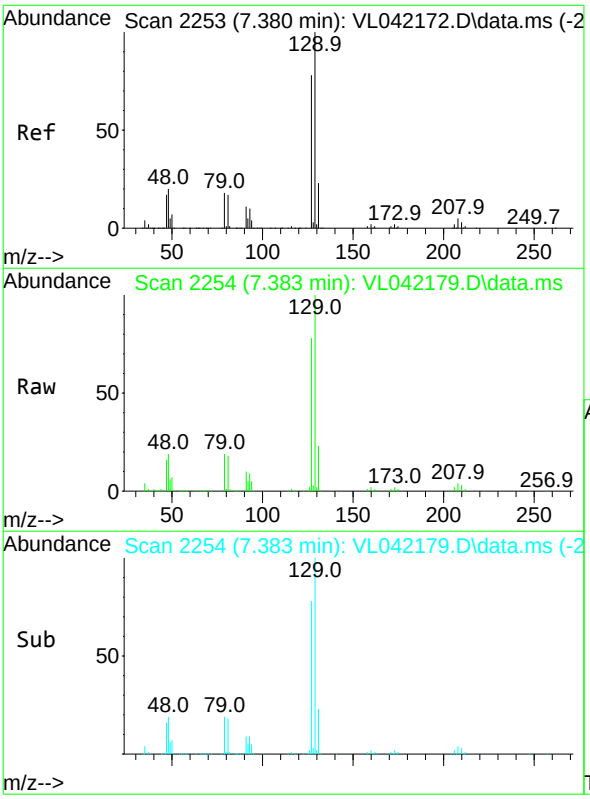
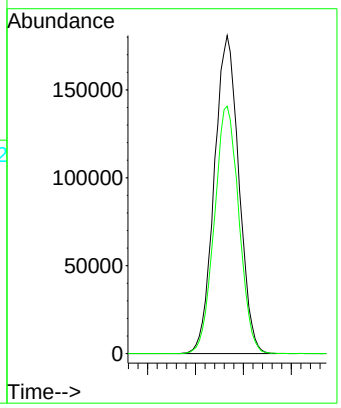
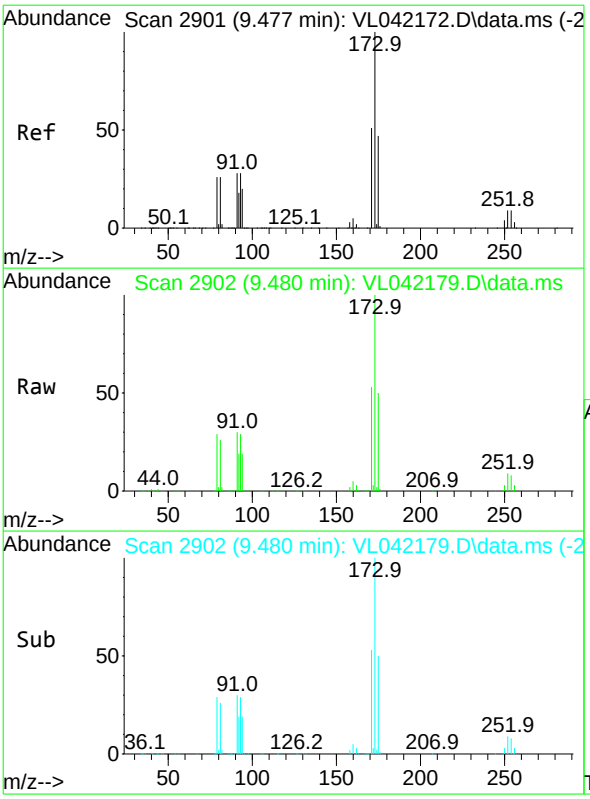


#48
Dibromochloromethane
Concen: 10.018 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:129 Resp: 322766

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2

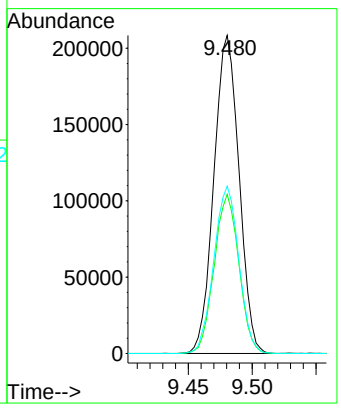




#49
Bromoform
Concen: 9.858 ppbv
RT: 9.480 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:173 Resp: 285149

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	57.8
171	52.4	41.8	62.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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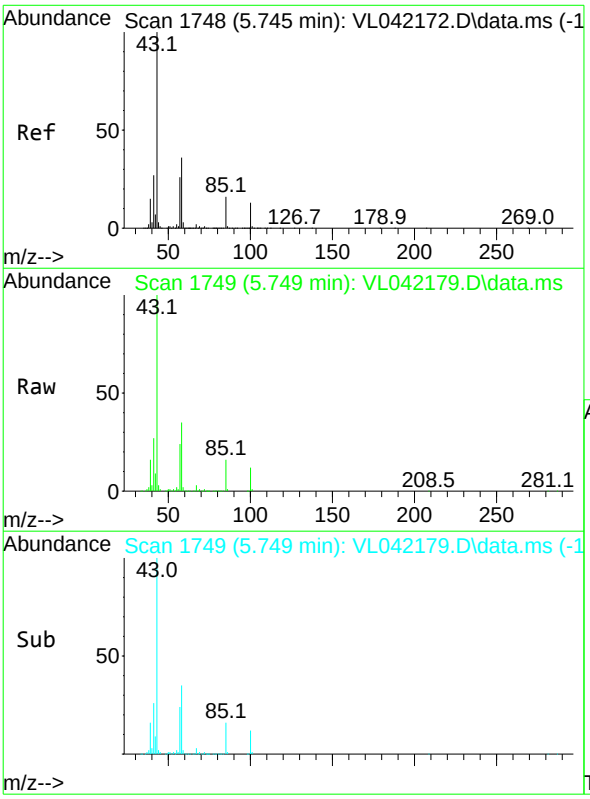
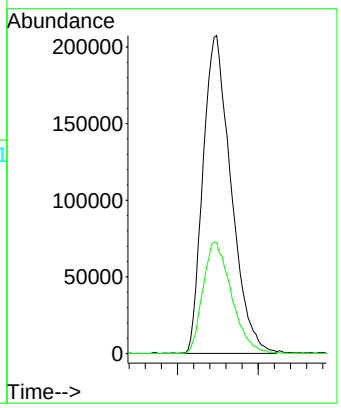
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

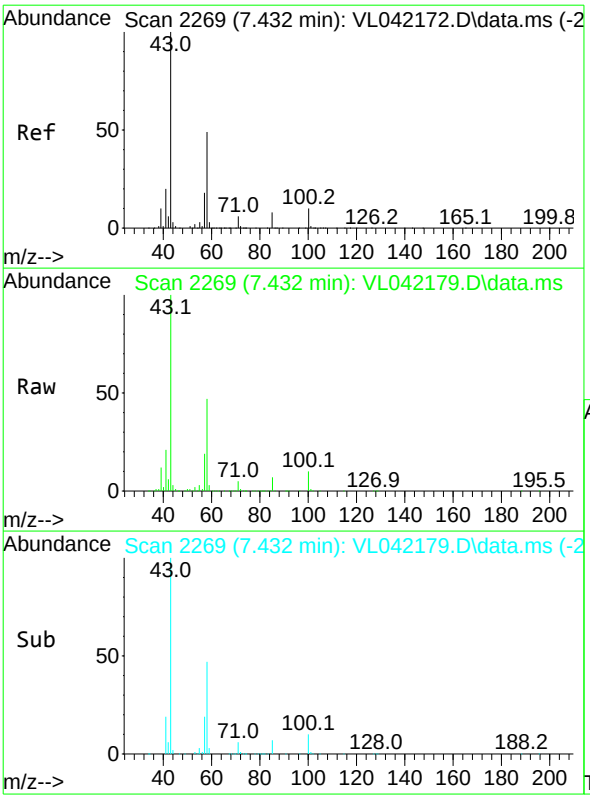


#50
4-Methyl-2-Pentanone
Concen: 8.749 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 500791

Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.0	43.6

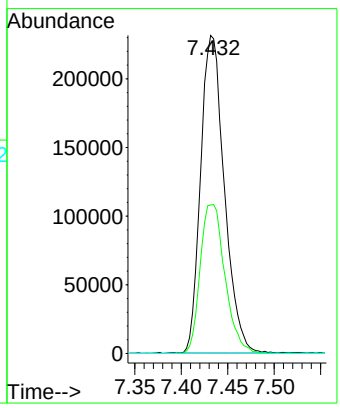




#51
2-Hexanone
Concen: 8.741 ppbv
RT: 7.432 min Scan# 22
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 410889

Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.7	59.5
98	0.0	0.1	0.1#



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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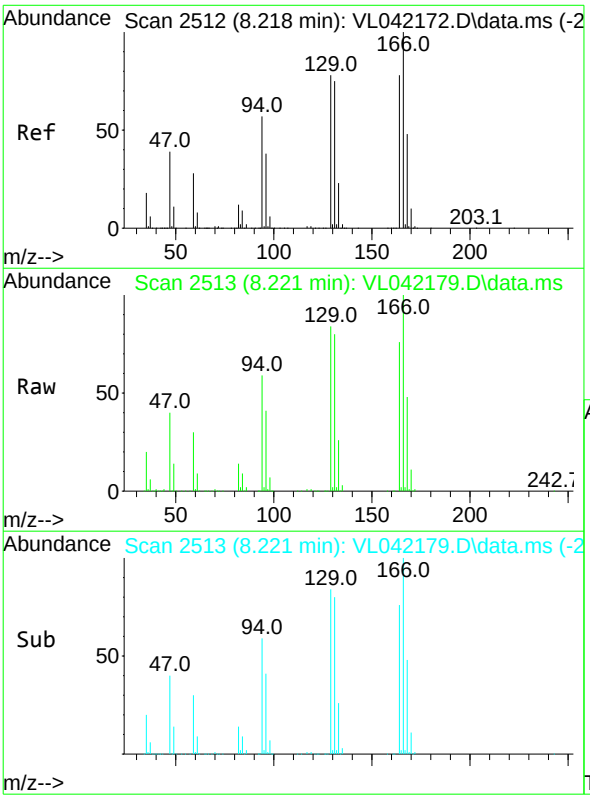
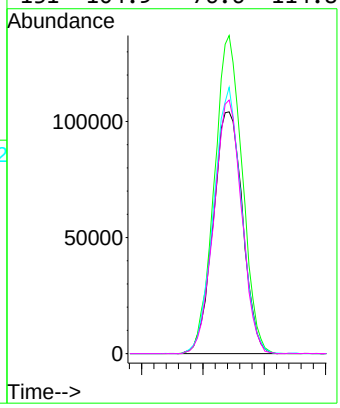
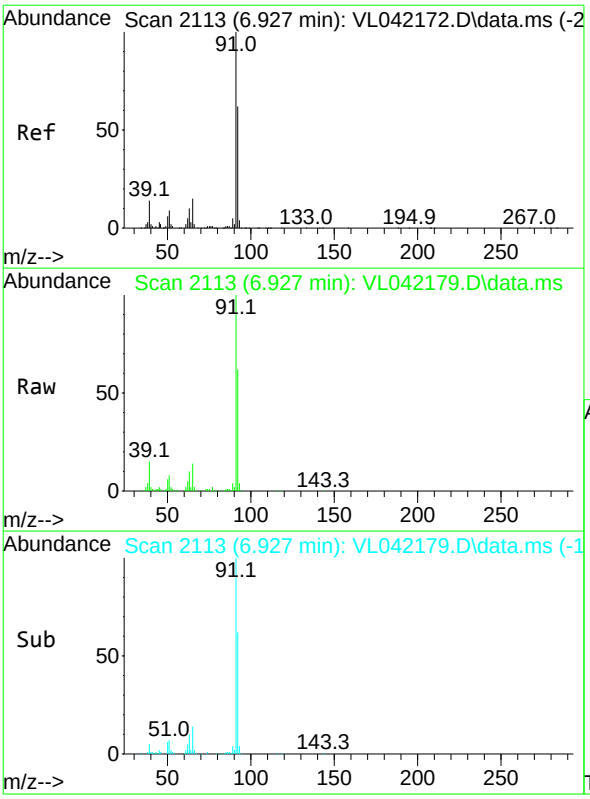


#52
Tetrachloroethene
Concen: 8.855 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:164 Resp: 173420

Ion	Ratio	Lower	Upper
164	100		
166	131.6	102.5	153.7
129	110.1	79.8	119.8
131	104.9	76.6	114.8

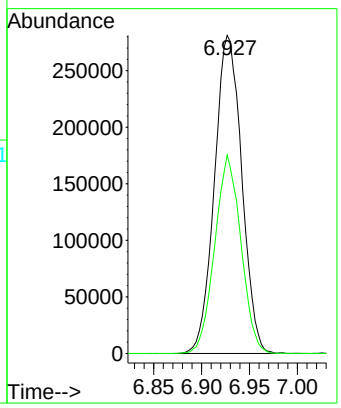




#53
Toluene
Concen: 9.514 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 556897

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
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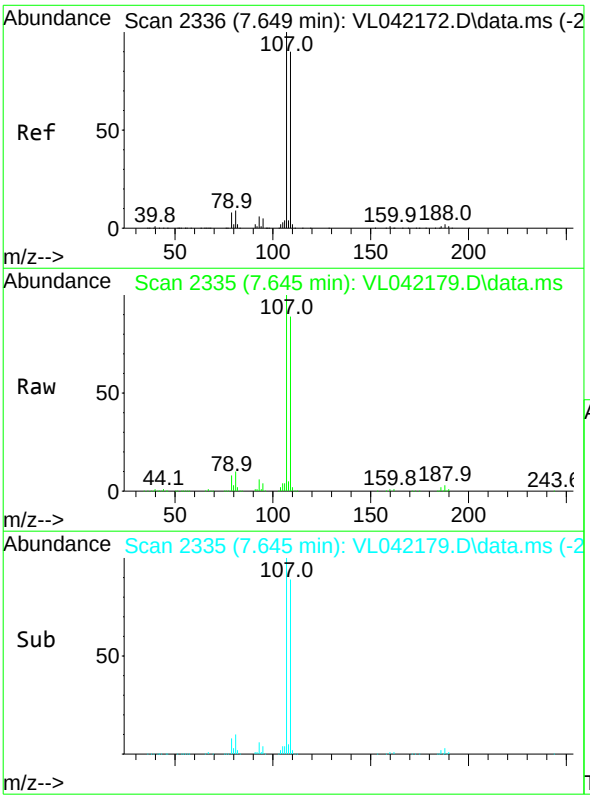
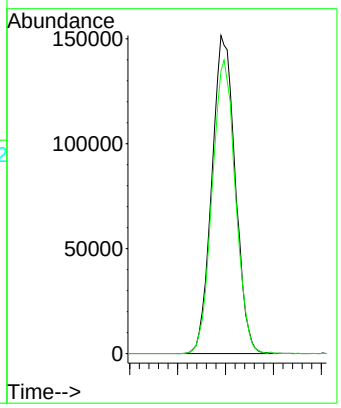
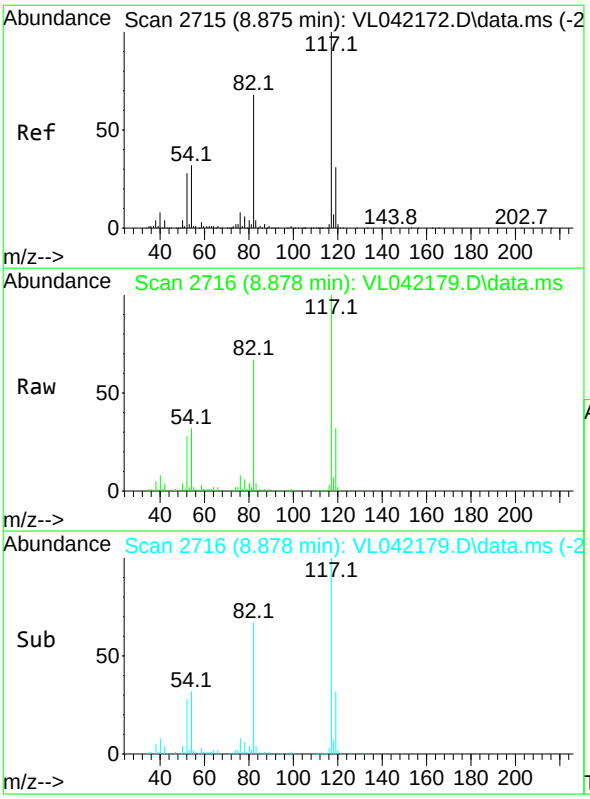


#54
1,2-Dibromoethane
Concen: 9.695 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:107 Resp: 256930

Ion	Ratio	Lower	Upper
107	100		
109	88.9	72.2	108.4

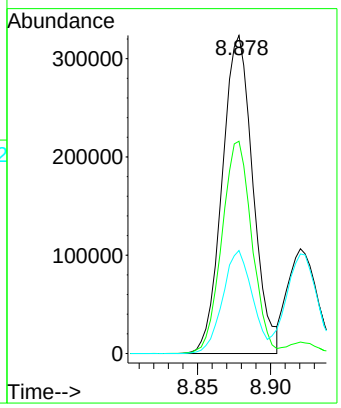




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 27
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:117 Resp: 473357

Ion	Ratio	Lower	Upper
117	100		
82	68.7	55.8	83.6
119	31.2	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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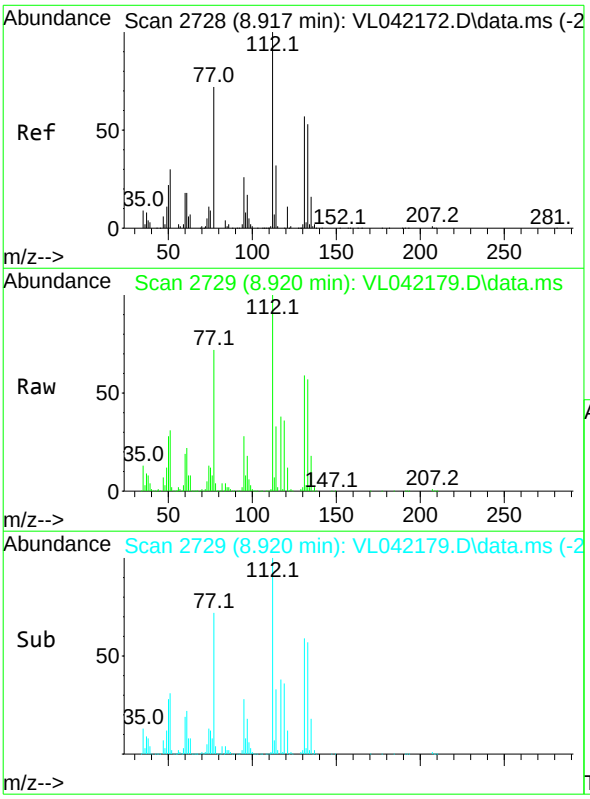
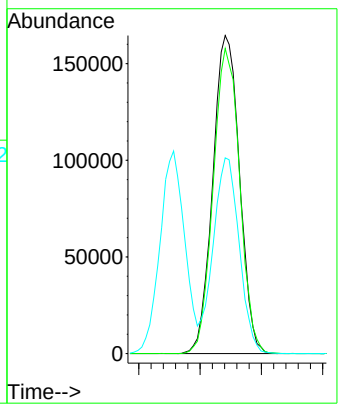
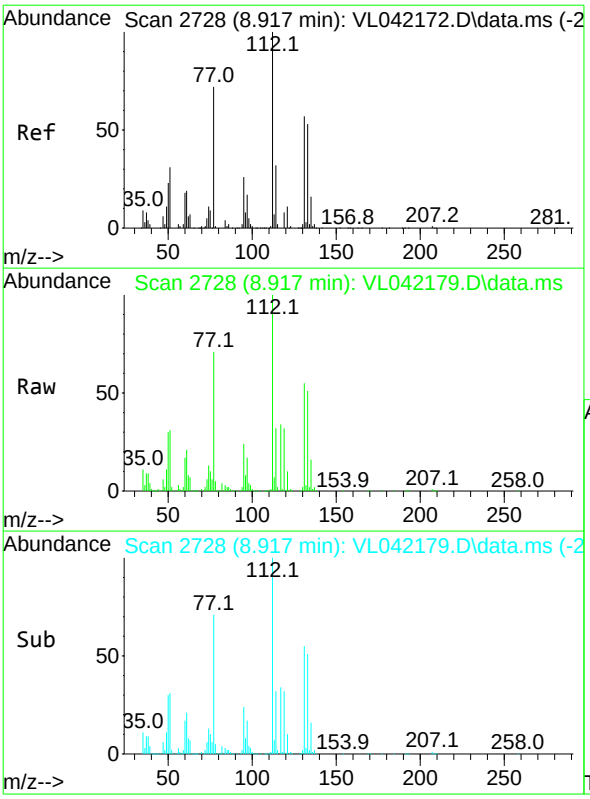


#56
1,1,1,2-Tetrachloroethane
Concen: 9.567 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:131 Resp: 249270

Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.6	114.8
119	61.3	49.8	74.6

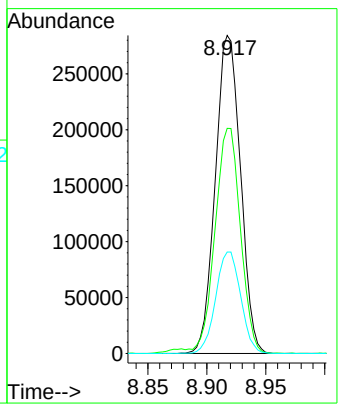




#57
Chlorobenzene
Concen: 9.411 ppbv
RT: 8.917 min Scan# 27
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:112 Resp: 422531

Ion	Ratio	Lower	Upper
112	100		
77	70.6	58.2	87.2
114	31.9	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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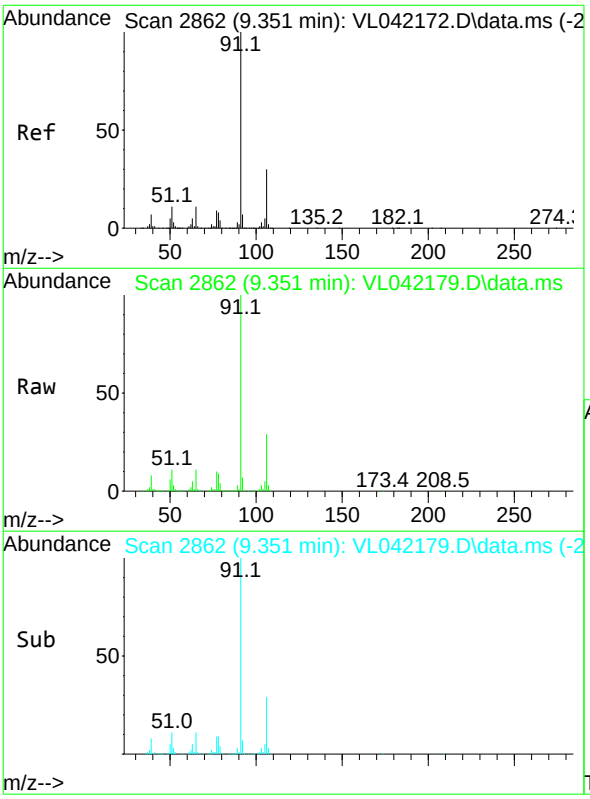
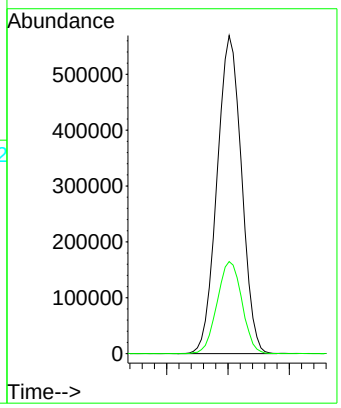
Supervised By :Mahesh Dadoda 04/03/2025

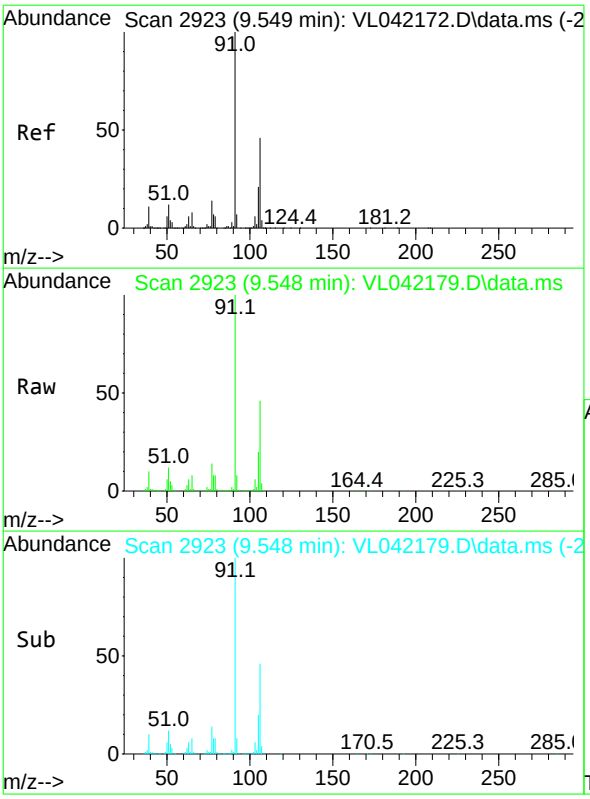


#58
Ethyl Benzene
Concen: 9.412 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 791360

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.2	36.2

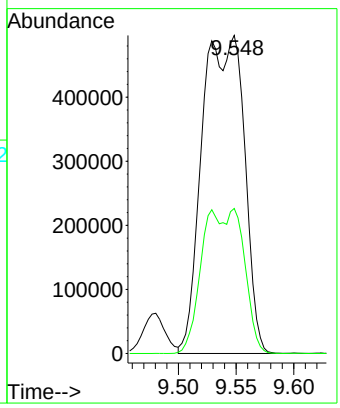




#59
m/p-Xylene
Concen: 18.772 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 1260340

Ion	Ratio	Lower	Upper
91	100		
106	45.3	36.4	54.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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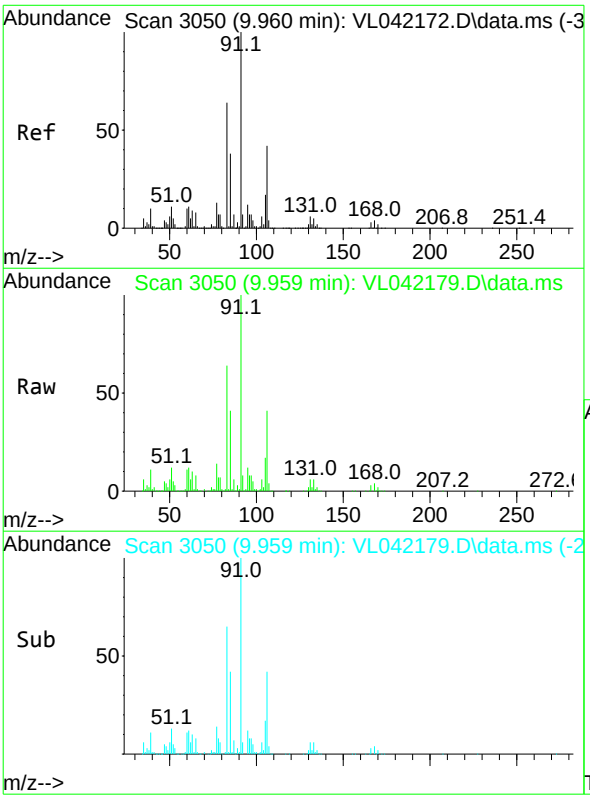
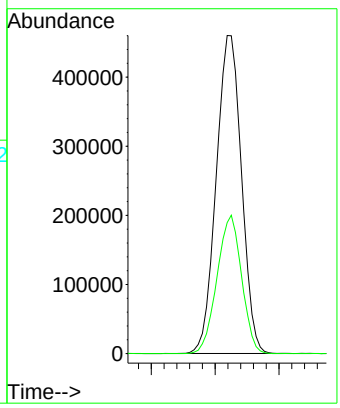
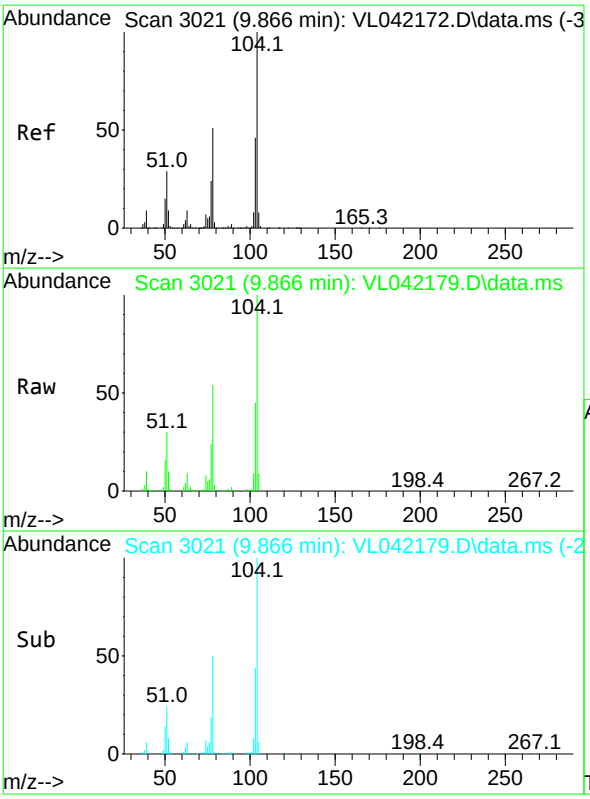


#60
o-Xylene
Concen: 9.404 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 632918

Ion	Ratio	Lower	Upper
91	100		
106	42.2	20.8	62.5





#61
Styrene
Concen: 9.488 ppbv
RT: 9.866 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:104 Resp: 315910

Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.8	62.6
103	46.3	37.0	55.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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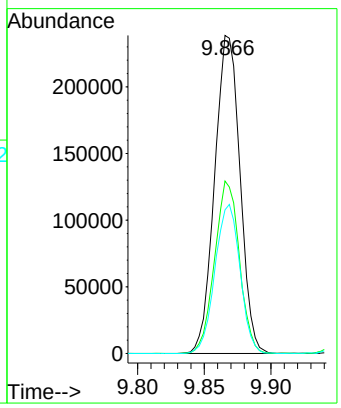
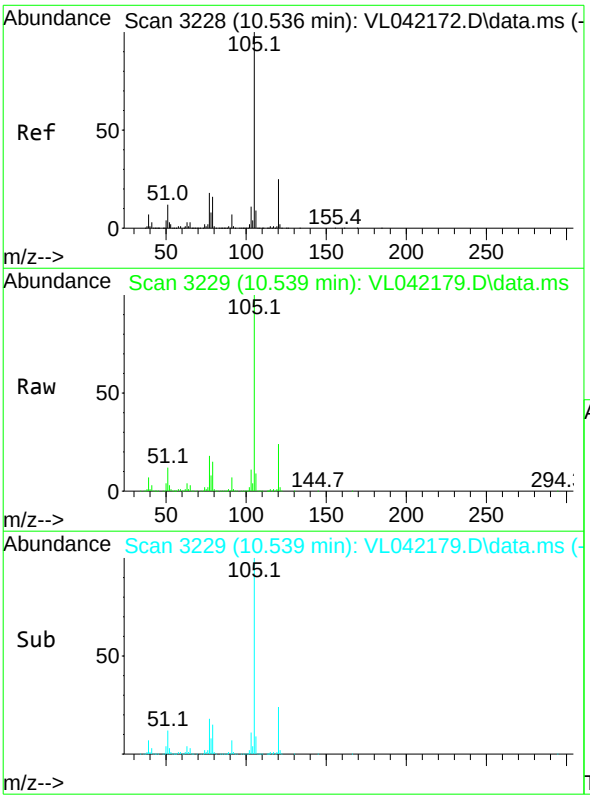
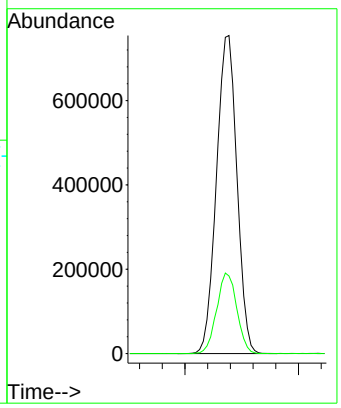


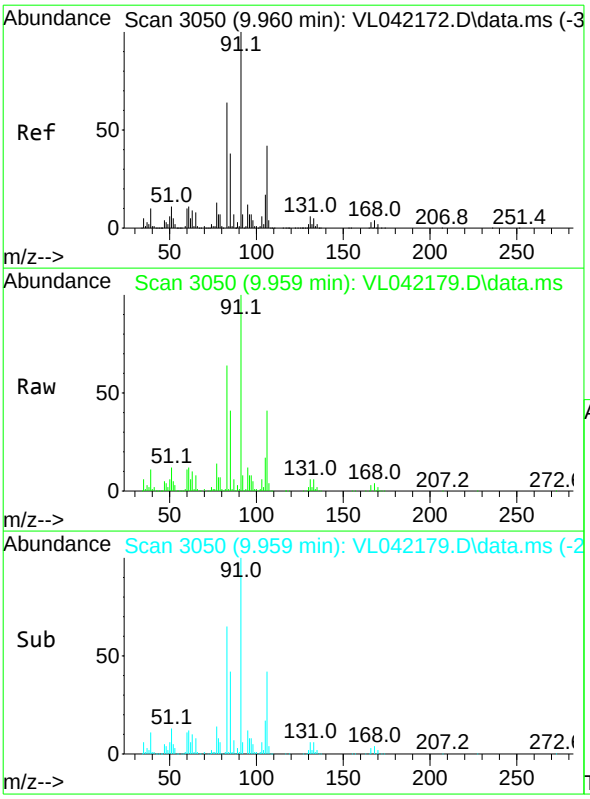


#62
Isopropylbenzene
Concen: 9.388 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 944938

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 9.357 ppbv
RT: 9.959 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 83 Resp: 382635

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	63.9	32.5	97.5

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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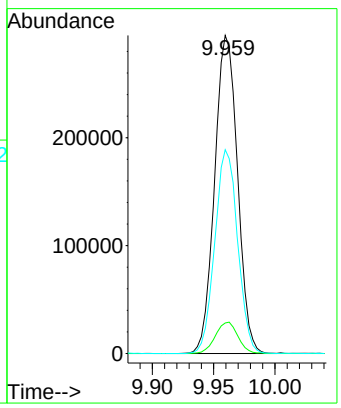
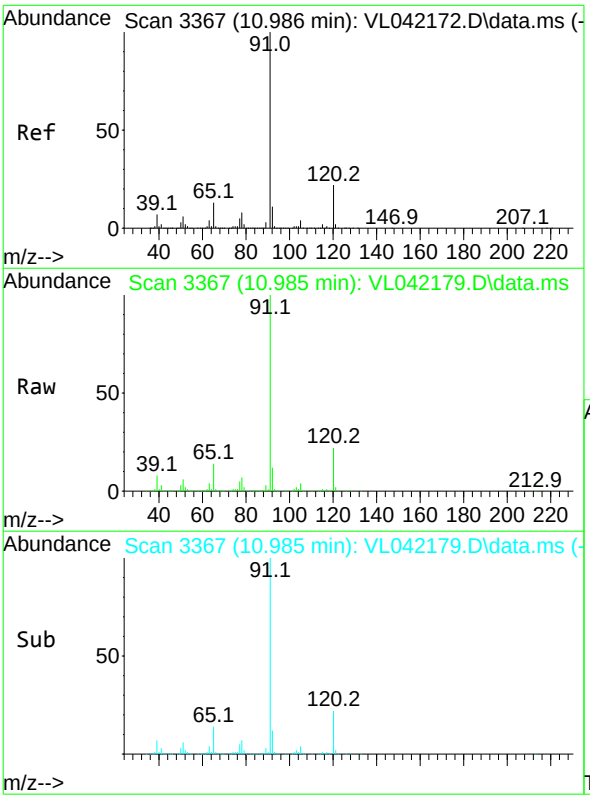
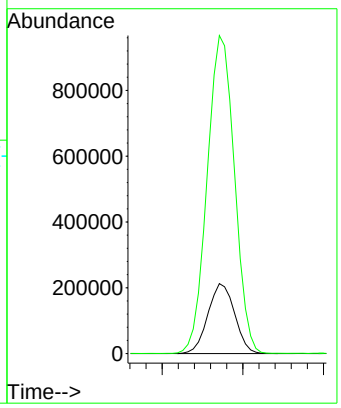


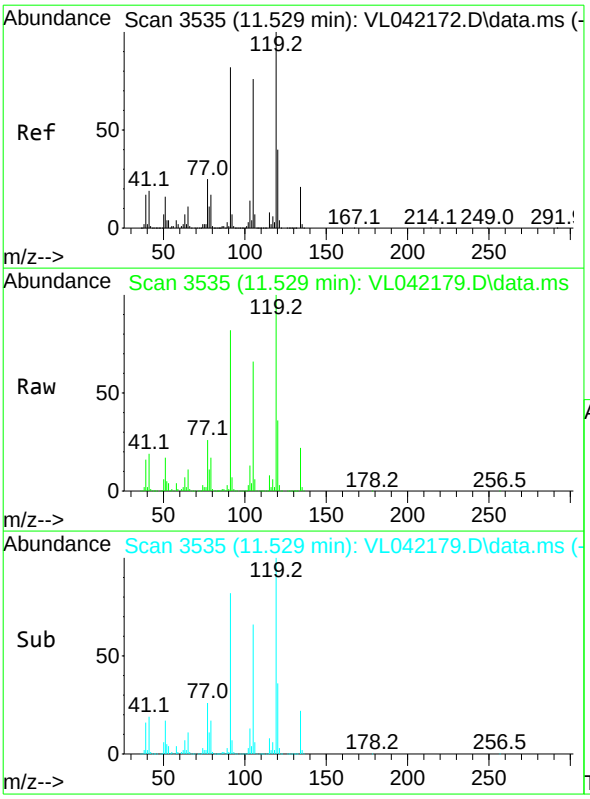


#64
n-propylbenzene
Concen: 9.439 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:120 Resp: 244547

Ion	Ratio	Lower	Upper
120	100		
91	465.9	376.9	565.3





#65
tert-Butylbenzene
Concen: 9.065 ppbv
RT: 11.529 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:119 Resp: 843828

Ion	Ratio	Lower	Upper
119	100		
91	84.3	66.0	99.0
134	21.2	16.7	25.1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

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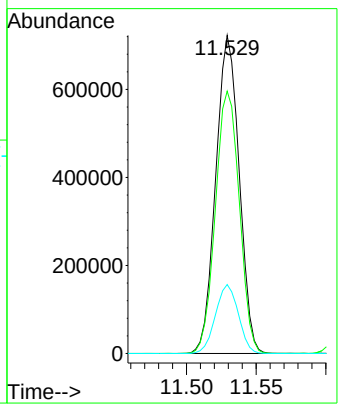
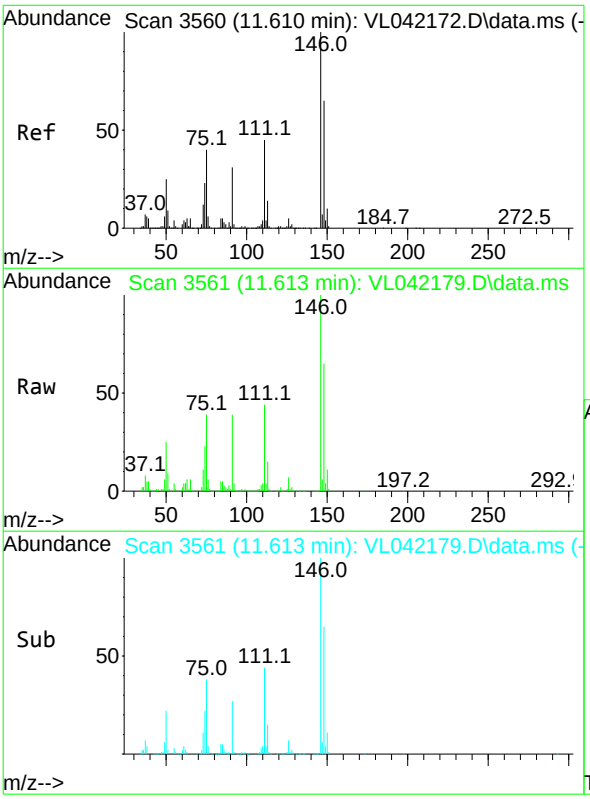
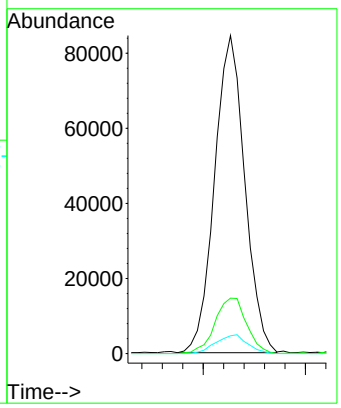


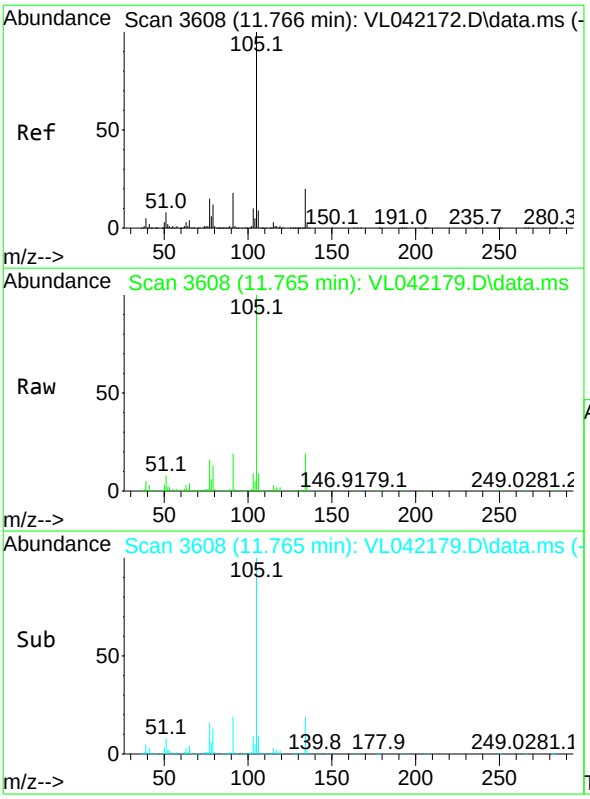


#66
Benzyl Chloride
Concen: 8.789 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 86804

Ion	Ratio	Lower	Upper
91	100		
126	18.5	13.8	20.6
128	6.2	4.5	6.7





#67
sec-Butylbenzene
Concen: 9.063 ppbv
RT: 11.765 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

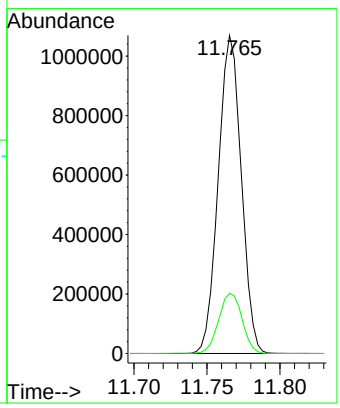
Tgt Ion:105 Resp: 1172636

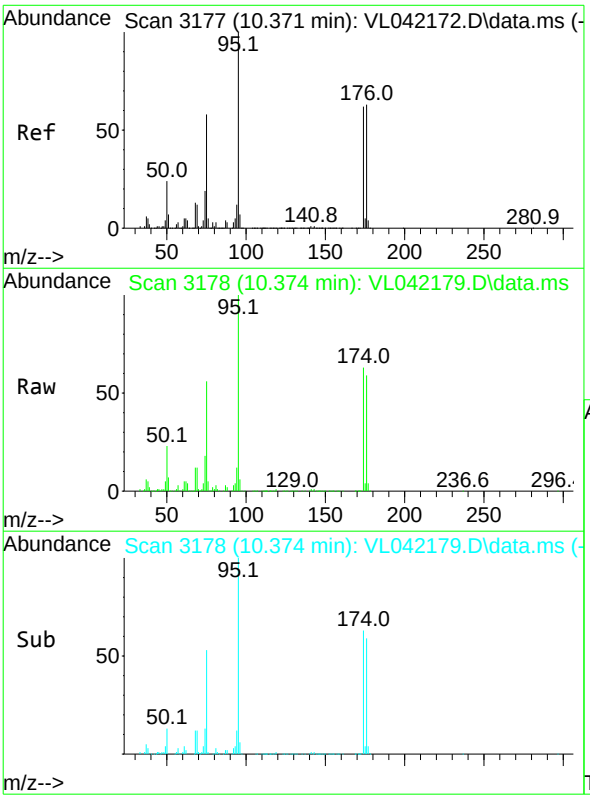
Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

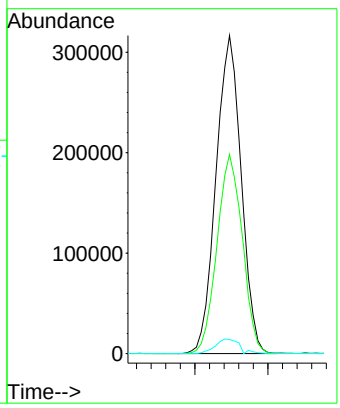


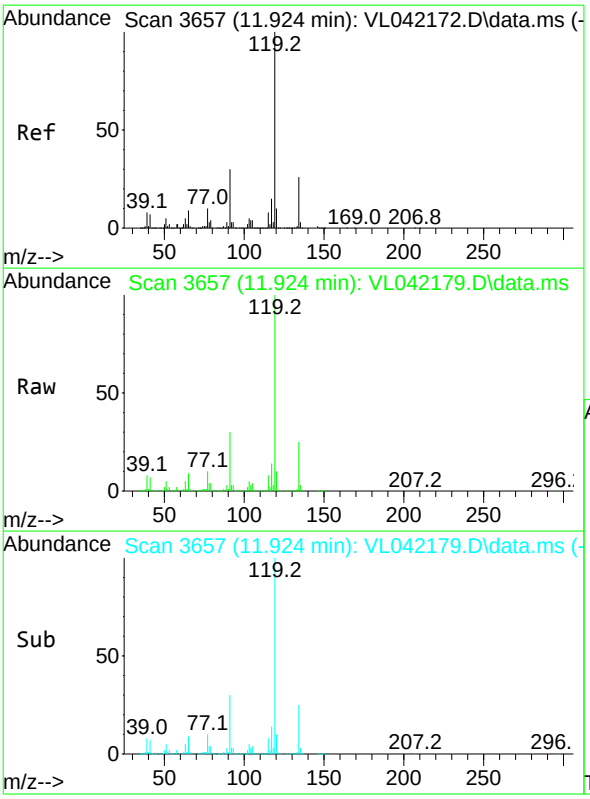


#68
1-Bromo-4-Fluorobenzene
Concen: 9.774 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 95 Resp: 379929

Ion	Ratio	Lower	Upper
95	100		
174	63.0	50.6	76.0
175	4.4	3.8	5.6





#69
p-Isopropyltoluene
Concen: 9.153 ppbv
RT: 11.924 min Scan# 36
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:119 Resp: 1019694

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.9	23.7	35.5

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
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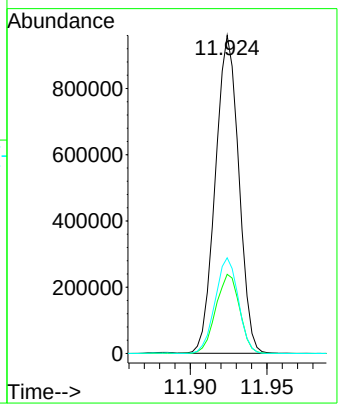
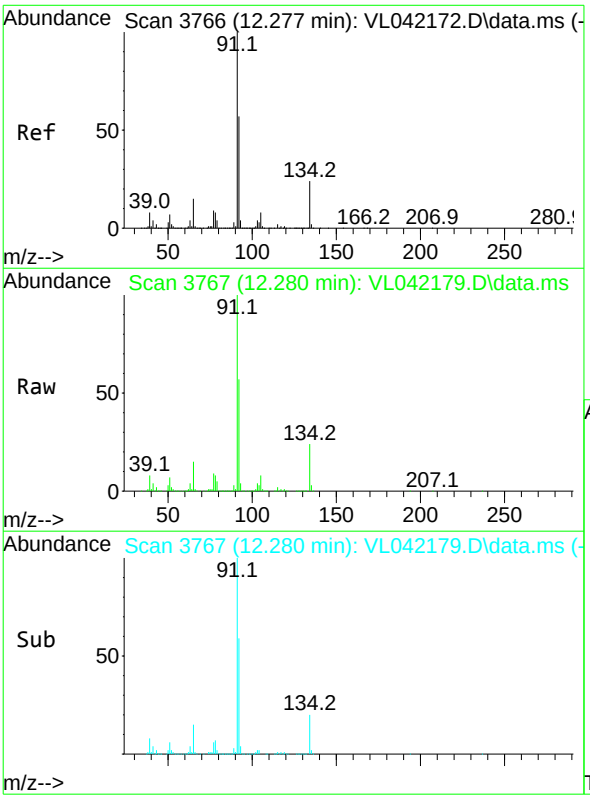
Supervised By :Mahesh Dadoda 04/03/2025

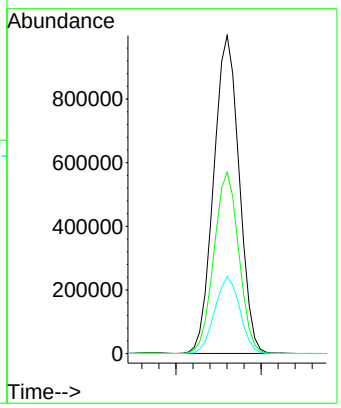


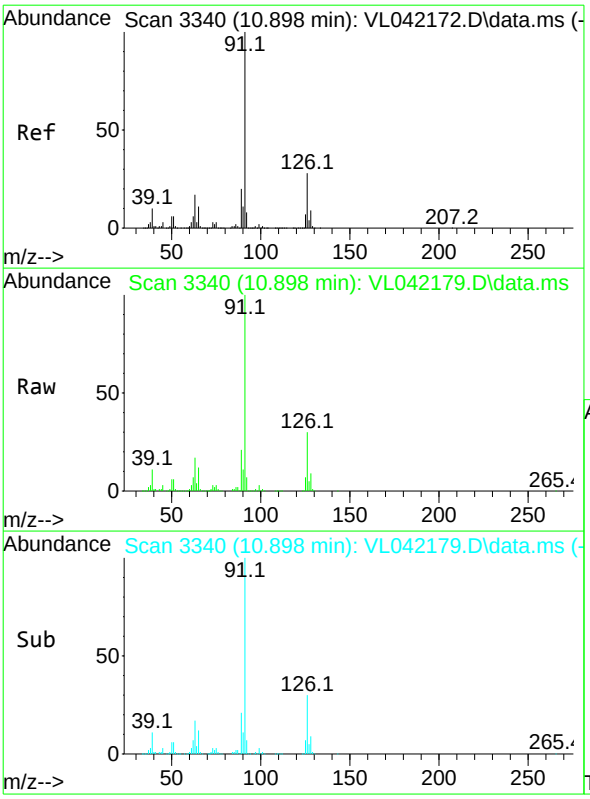


#70
n-Butylbenzene
Concen: 9.115 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 1038548

Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.9	67.3
134	23.8	19.2	28.8





#71
2-Chlorotoluene
Concen: 9.382 ppbv
RT: 10.898 min Scan# 33
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 732874

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.6	46.4

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
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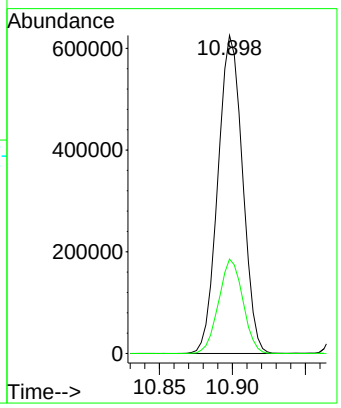
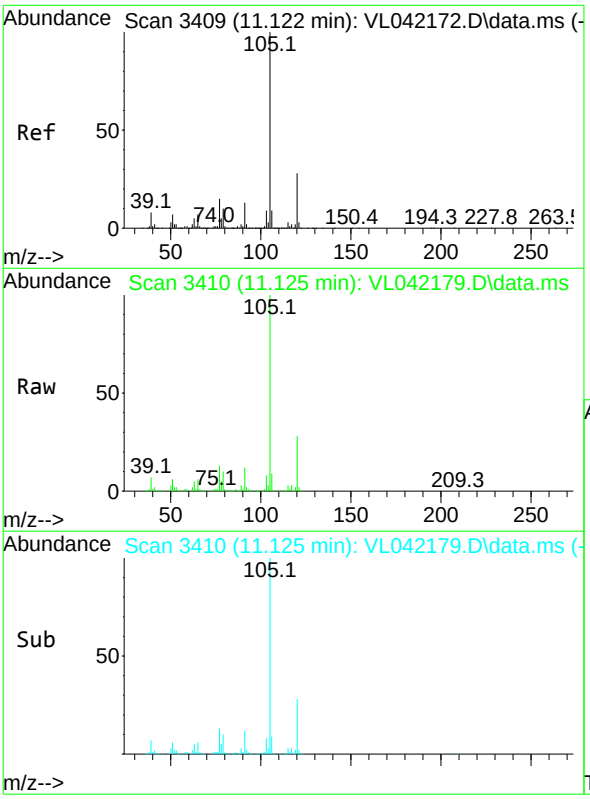
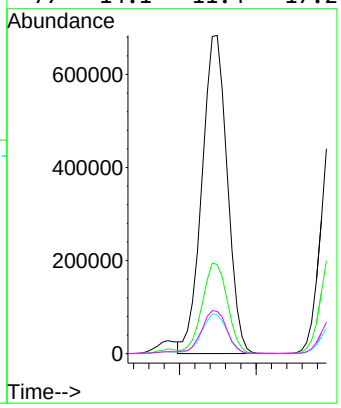


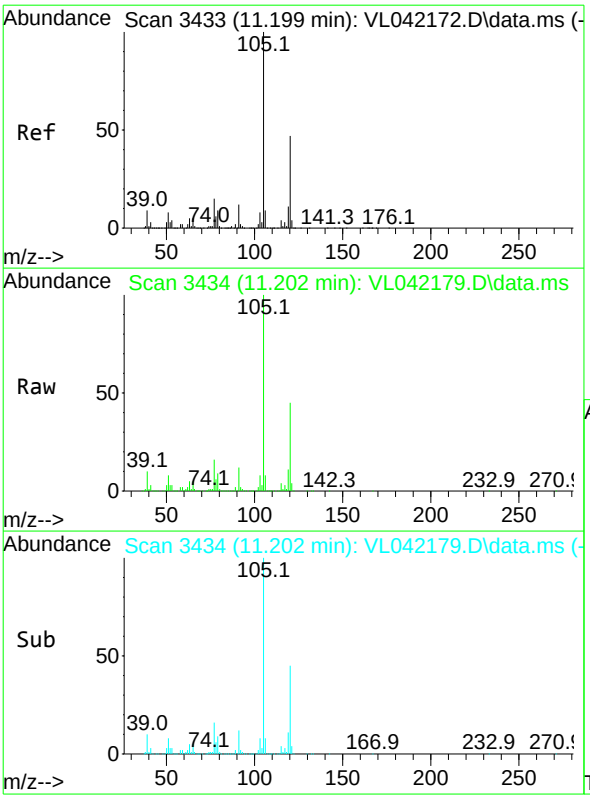


#72
4-Ethyltoluene
Concen: 9.370 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 785185

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.4	35.0
91	12.9	10.3	15.5
77	14.1	11.4	17.2





#73
1,3,5-Trimethylbenzene
Concen: 9.203 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

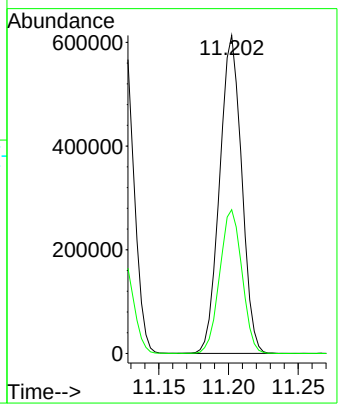
Tgt Ion:105 Resp: 673541

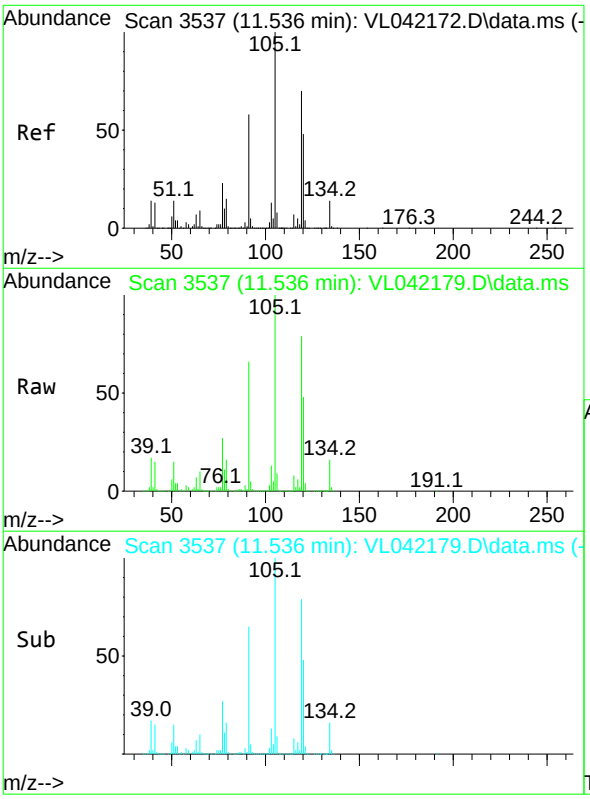
Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.4	56.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

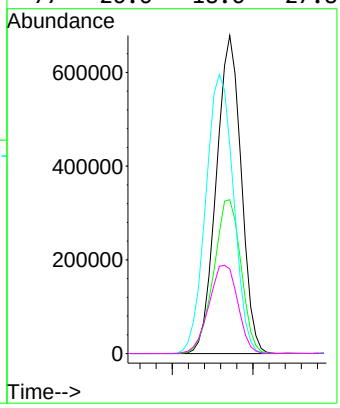


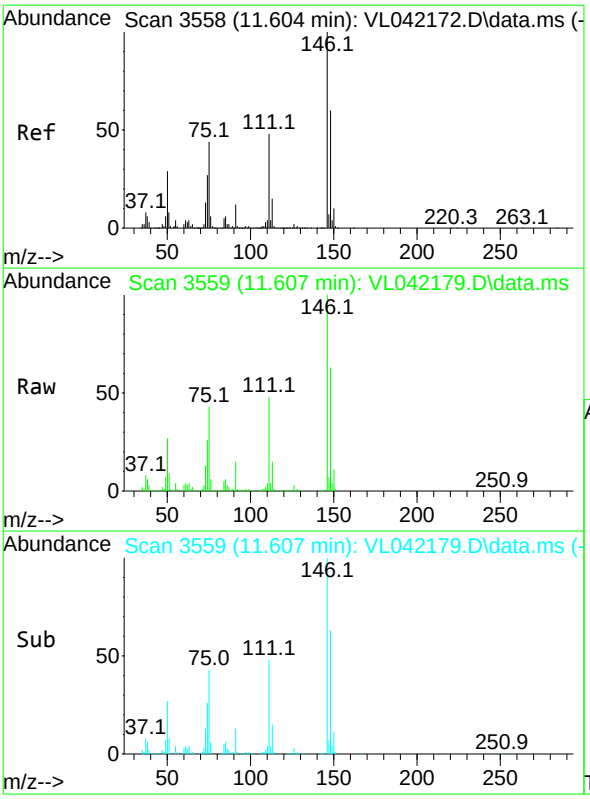


#74
1,2,4-Trimethylbenzene
Concen: 8.648 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 729155

Ion	Ratio	Lower	Upper
105	100		
120	48.4	38.6	58.0
91	65.6	46.2	69.2
77	26.6	18.6	27.8

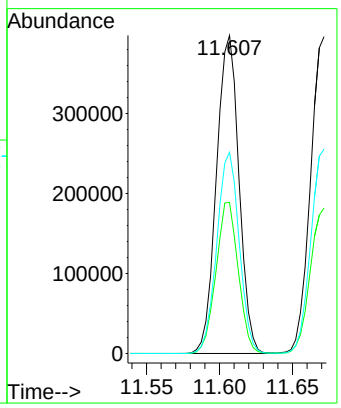




#75
1,3-Dichlorobenzene
Concen: 9.224 ppbv
RT: 11.607 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:146 Resp: 426573

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.8	71.2
148	62.9	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
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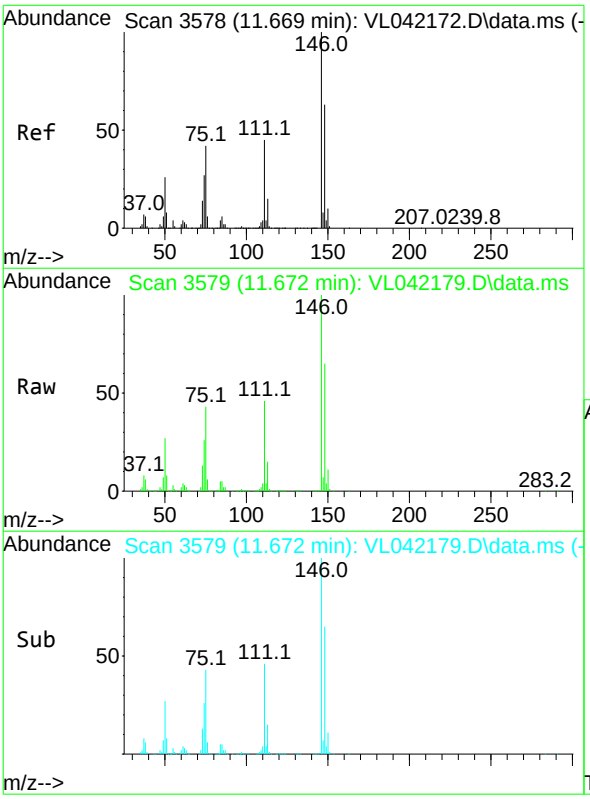
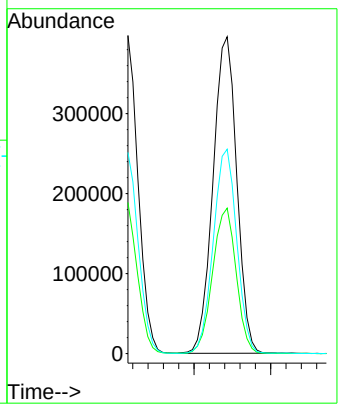
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

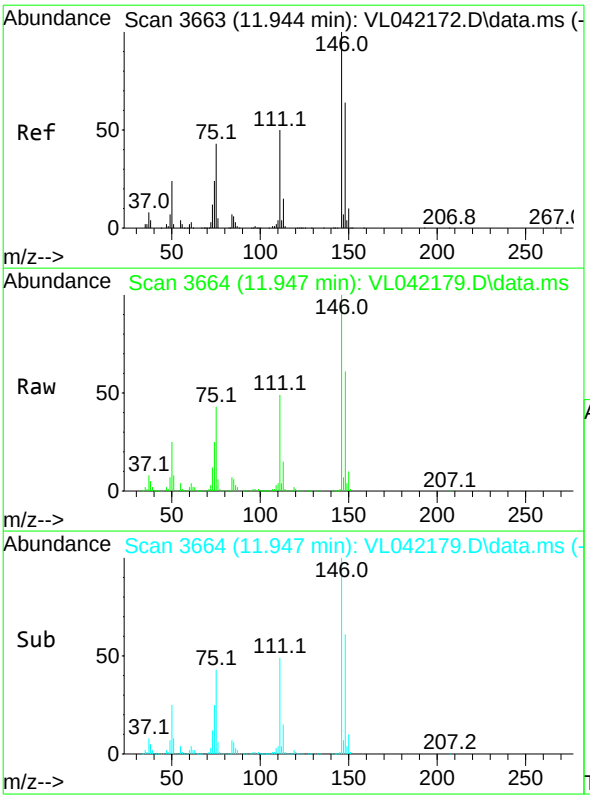


#76
1,4-Dichlorobenzene
Concen: 9.263 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:146 Resp: 426318

Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.0	69.0
148	64.1	31.9	95.7

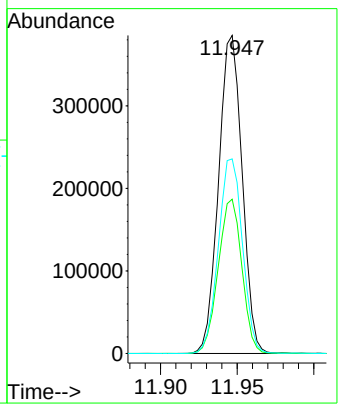




#77
1,2-Dichlorobenzene
Concen: 9.154 ppbv
RT: 11.947 min Scan# 36
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:146 Resp: 412180

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.8	74.3
148	62.8	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
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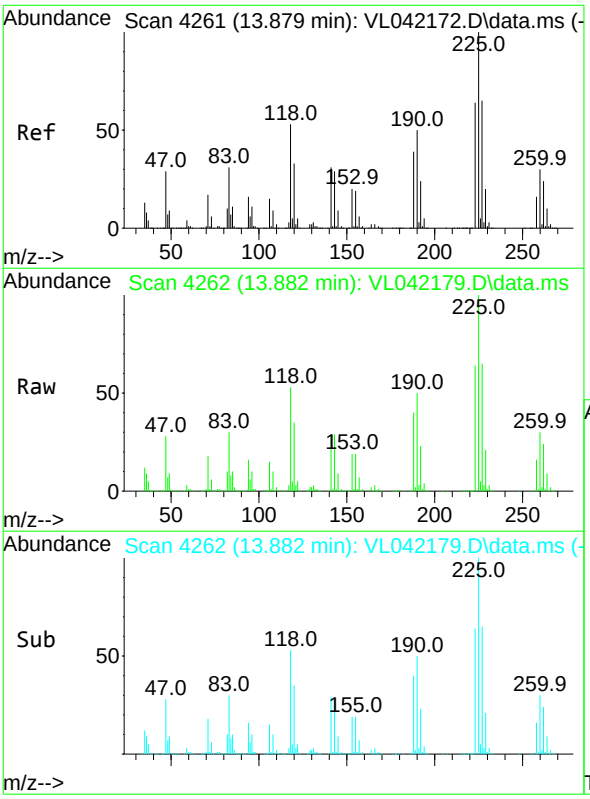
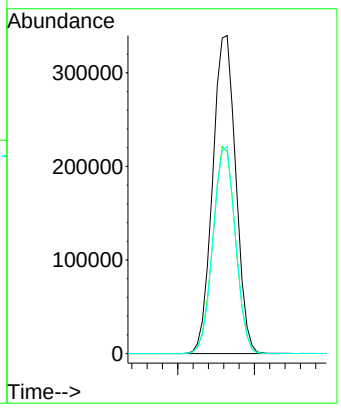
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

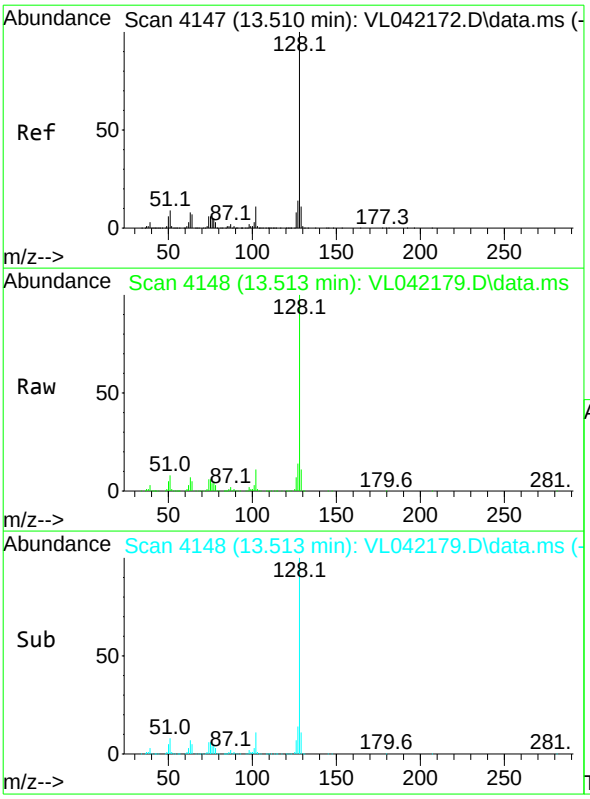


#78
Hexachloro-1,3-Butadiene
Concen: 7.776 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:225 Resp: 356386

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	63.4	51.2	76.8

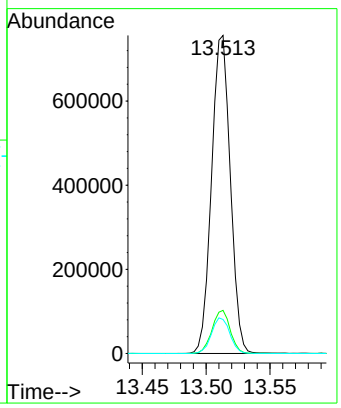




#79
Naphthalene
Concen: 8.385 ppbv
RT: 13.513 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:128 Resp: 773311

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.7	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
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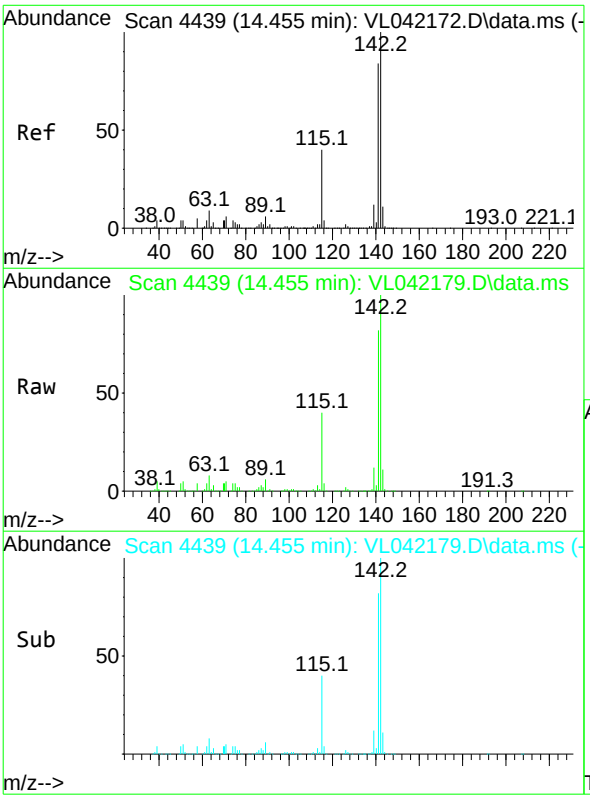
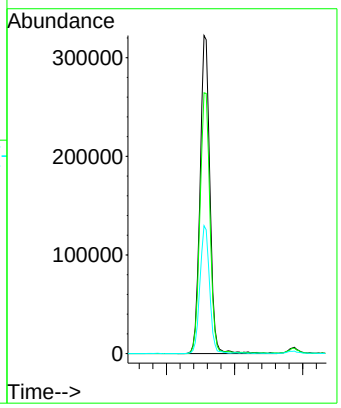
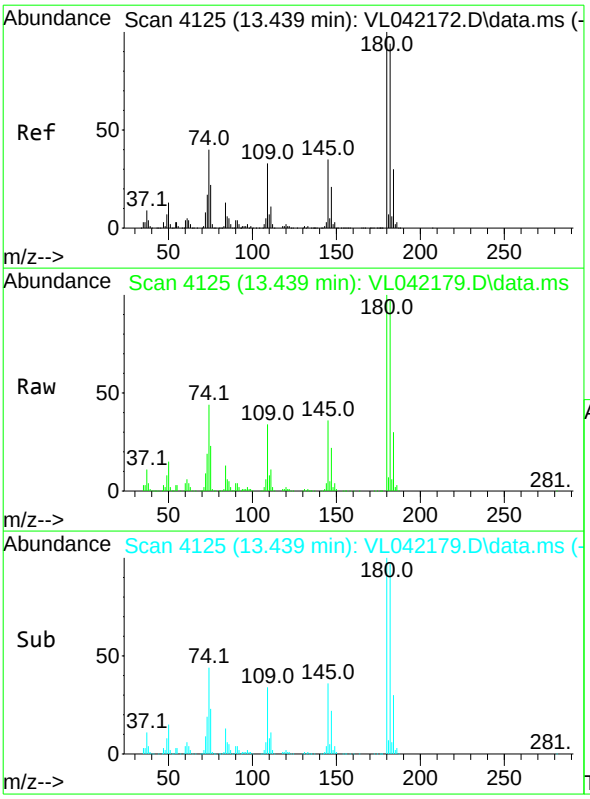


#80
Naphthalene,2-methyl-
Concen: 7.151 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:142 Resp: 323443

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.3	99.5
115	39.8	31.6	47.4

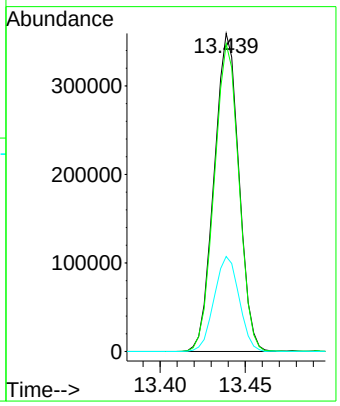




#81
1,2,4-Trichlorobenzene
Concen: 8.553 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:180 Resp: 363863

Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.1	112.7
184	30.1	24.4	36.6



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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG No.: Q1725

Instrument ID: MSVOA_L Calibration Date/Time: 04/07/2025 09:31

Lab File ID: VL042228.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.476	1.435		-2.78	30
Chloromethane	0.603	0.582		-3.48	30
Vinyl Chloride	0.639	0.535		-16.27	30
Bromomethane	0.273	0.251		-8.06	30
Chloroethane	0.242	0.217		-10.33	30
Tetrahydrofuran	0.418	0.388		-7.18	30
Trichlorofluoromethane	1.437	1.374		-4.38	30
1,1,2-Trichlorotrifluoroethane	1.181	1.102		-6.69	30
Dichlorotetrafluoroethane	1.257	1.211		-3.66	30
tert-Butyl alcohol	1.742	1.479		-15.1	30
Heptane	1.839	1.613		-12.29	30
1,1-Dichloroethene	0.552	0.495		-10.33	30
Acetone	1.399	1.206		-13.8	30
Carbon Disulfide	1.503	1.376		-8.45	30
Methyl tert-Butyl Ether	0.873	0.763		-12.6	30
Methylene Chloride	0.521	0.422		-19	30
trans-1,2-Dichloroethene	0.638	0.555		-13.01	30
1,1-Dichloroethane	1.183	1.103		-6.76	30
Cyclohexane	1.217	1.073		-11.83	30
2-Butanone	0.725	0.698		-3.72	30
Carbon Tetrachloride	0.781	0.829		6.15	30
cis-1,2-Dichloroethene	1.423	1.293		-9.14	30
Chloroform	2.052	2.088		1.75	30
1,1,1-Trichloroethane	2.349	2.152		-8.39	30
2,2,4-Trimethylpentane	1.675	1.606		-4.12	30
Benzene	0.991	0.955		-3.63	30
1,2-Dichloroethane	0.568	0.611		7.57	30
Trichloroethene	0.414	0.393		-5.07	30
1,2-Dichloropropane	0.361	0.342		-5.26	30
Bromodichloromethane	0.782	0.839		7.29	30
4-Methyl-2-Pentanone	1.149	0.996		-13.32	30
Toluene	1.175	1.091		-7.15	30
t-1,3-Dichloropropene	0.450	0.393		-12.67	30
cis-1,3-Dichloropropene	0.552	0.491		-11.05	30
1,1,2-Trichloroethane	0.382	0.391		2.36	30
Dibromochloromethane	0.647	0.675		4.33	30
1,2-Dibromoethane	0.532	0.540		1.5	30
Tetrachloroethene	0.393	0.327		-16.79	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: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG No.: Q1725

Instrument ID: MSVOA_L Calibration Date/Time: 04/07/2025 09:31

Lab File ID: VL042228.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.949	0.983		3.58	30
Ethyl Benzene	1.776	1.756		-1.13	30
m/p-Xylene	1.418	1.468		3.53	30
o-Xylene	1.422	1.462		2.81	30
Styrene	0.703	0.678		-3.56	30
Bromoform	0.581	0.577		-0.69	30
1,1,2,2-Tetrachloroethane	0.864	0.920		6.48	30
2-Chlorotoluene	1.650	1.696		2.79	30
1,3,5-Trimethylbenzene	1.546	1.583		2.39	30
1,2,4-Trimethylbenzene	1.781	1.770		-0.62	30
1,3-Dichlorobenzene	0.977	1.046		7.06	30
1,4-Dichlorobenzene	0.972	1.052		8.23	30
1,2-Dichlorobenzene	0.951	1.034		8.73	30
1,2,4-Trichlorobenzene	0.899	0.888		-1.22	30
Hexachloro-1,3-Butadiene	0.968	0.837		-13.53	30
1,3-Butadiene	0.683	0.575		-15.81	30
Naphthalene	1.948	2.060		5.75	30
4-Ethyltoluene	1.770	1.845		4.24	30
1-Bromo-4-Fluorobenzene	0.821	0.819		-0.24	30
Hexane	1.402	1.268		-9.56	30
Allyl Chloride	0.986	0.882		-10.55	30
1,4-Dioxane	191.626	168.680		-11.97	30
Methyl Methacrylate	0.420	0.361		-14.05	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\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 08 01:50:24 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 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	190462	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	513778	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	464477	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	380328	9.971	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	273290	9.718	ppbv	100
3) Chlorodifluoromethane	1.479	51	273791	9.530	ppbv	97
4) Chloromethane	1.538	50	110890	9.649	ppbv	96
5) Vinyl Chloride	1.586	62	101851	8.363	ppbv	98
6) Bromomethane	1.674	94	47719	9.162	ppbv	99
7) Chloroethane	1.709	64	41389	8.972	ppbv	95
8) Dichlorotetrafluoroethane	1.560	85	230557	9.627	ppbv	94
9) Propene	1.489	41	103393	7.852	ppbv	99
10) Heptane	5.007	43	307160m	8.770	ppbv	
11) Trichlorofluoromethane	1.884	101	261667	9.563	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	209865	9.331	ppbv	98
13) Ethanol	1.729	45	6198	4.979	ppbv	84
14) Bromoethene	1.787	108	72937	8.465	ppbv	98
15) Acetone	1.842	43	229629	8.621	ppbv	94
16) 1,3-Butadiene	1.615	39	109521	8.419	ppbv	100
17) tert-Butyl alcohol	2.049	59	281754	8.492	ppbv	100
18) 1,1-Dichloroethene	2.043	96	94213	8.960	ppbv	97
19) Isopropyl Alcohol	1.894	45	132147	8.793	ppbv	98
20) Methylene Chloride	2.069	84	80384	8.103	ppbv	91
21) Allyl Chloride	2.104	41	167907	8.938	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	105790	8.705	ppbv	94
23) Vinyl Acetate	2.473	43	97959	8.497	ppbv	98
24) 1,1-Dichloroethane	2.418	63	210138	9.328	ppbv	98
25) Ethyl Acetate	2.849	43	632090	9.143	ppbv	100
26) Hexane	2.839	57	241568	9.046	ppbv	98
27) Carbon Disulfide	2.159	76	262150	9.155	ppbv	96
28) Methyl tert-Butyl Ether	2.450	73	145310	8.740	ppbv	94
29) Chloroform	2.862	83	397772	10.178	ppbv	98
30) Cyclohexane	3.875	84	204416	8.816	ppbv	96
31) cis-1,2-Dichloroethene	2.732	61	246306	9.085	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	409916	9.162	ppbv	99
34) 2-Butanone	2.570	43	358832	9.632	ppbv	99
35) Carbon Tetrachloride	3.781	117	425964	10.613	ppbv	99
36) Benzene	3.674	78	490813	9.636	ppbv	99
37) 1,2-Dichloroethane	3.234	62	314121	10.772	ppbv	98
38) Trichloroethene	4.574	130	202154	9.512	ppbv	97
39) 1,2-Dichloropropane	4.337	63	175704	9.472	ppbv	92
40) 1,4-Dioxane	4.606	88	86664	8.803	ppbv #	92
41) Tetrahydrofuran	3.069	42	199313	9.290	ppbv	98
42) Bromodichloromethane	4.512	83	430997	10.721	ppbv	99
43) Methyl Methacrylate	4.907	69	185545	8.605	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	824962	9.584	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	201676	8.718	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 08 01:50:24 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 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.632	75	252032	8.888	ppbv		96
47)	1,1,2-Trichloroethane	6.610	97	200780	10.239	ppbv		95
48)	Dibromochloromethane	7.412	129	346881	10.438	ppbv		100
49)	Bromoform	9.500	173	296338	9.932	ppbv		100
50)	4-Methyl-2-Pentanone	5.781	43	511581	8.665	ppbv		96
51)	2-Hexanone	7.461	43	412183	8.501	ppbv	#	94
52)	Tetrachloroethene	8.244	164	168107	8.322	ppbv		96
53)	Toluene	6.959	91	560665	9.286	ppbv		99
54)	1,2-Dibromoethane	7.678	107	277561	10.154	ppbv		100
56)	1,1,1,2-Tetrachloroethane	8.943	131	274135	10.722	ppbv		99
57)	Chlorobenzene	8.940	112	456787	10.368	ppbv		97
58)	Ethyl Benzene	9.374	91	815771	9.888	ppbv		99
59)	m/p-Xylene	9.568	91	1363568m	20.698	ppbv		
60)	o-Xylene	9.982	91	679193	10.284	ppbv		98
61)	Styrene	9.888	104	314809	9.635	ppbv		100
62)	Isopropylbenzene	10.555	105	1013803	10.265	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.979	83	427404	10.651	ppbv		100
64)	n-propylbenzene	11.005	120	265137	10.429	ppbv		99
65)	tert-Butylbenzene	11.545	119	928989	10.171	ppbv		99
66)	Benzyl Chloride	11.630	91	72224	7.452	ppbv		99
67)	sec-Butylbenzene	11.782	105	1298645	10.229	ppbv		100
69)	p-Isopropyltoluene	11.940	119	1128593	10.324	ppbv		99
70)	n-Butylbenzene	12.296	91	1165845	10.428	ppbv		100
71)	2-Chlorotoluene	10.918	91	787527	10.274	ppbv		100
72)	4-Ethyltoluene	11.141	105	857021	10.422	ppbv		99
73)	1,3,5-Trimethylbenzene	11.219	105	735306	10.239	ppbv		100
74)	1,2,4-Trimethylbenzene	11.552	105	821957	9.935	ppbv		93
75)	1,3-Dichlorobenzene	11.623	146	485669	10.703	ppbv		99
76)	1,4-Dichlorobenzene	11.685	146	488661	10.821	ppbv		98
77)	1,2-Dichlorobenzene	11.963	146	480373	10.873	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.895	225	388827	8.646	ppbv		100
79)	Naphthalene	13.526	128	956597	10.570	ppbv		99
80)	Naphthalene,2-methyl-	14.471	142	462373	10.419	ppbv		98
81)	1,2,4-Trichlorobenzene	13.455	180	412677	9.886	ppbv		98

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

Quantitation Report (QT Reviewed)

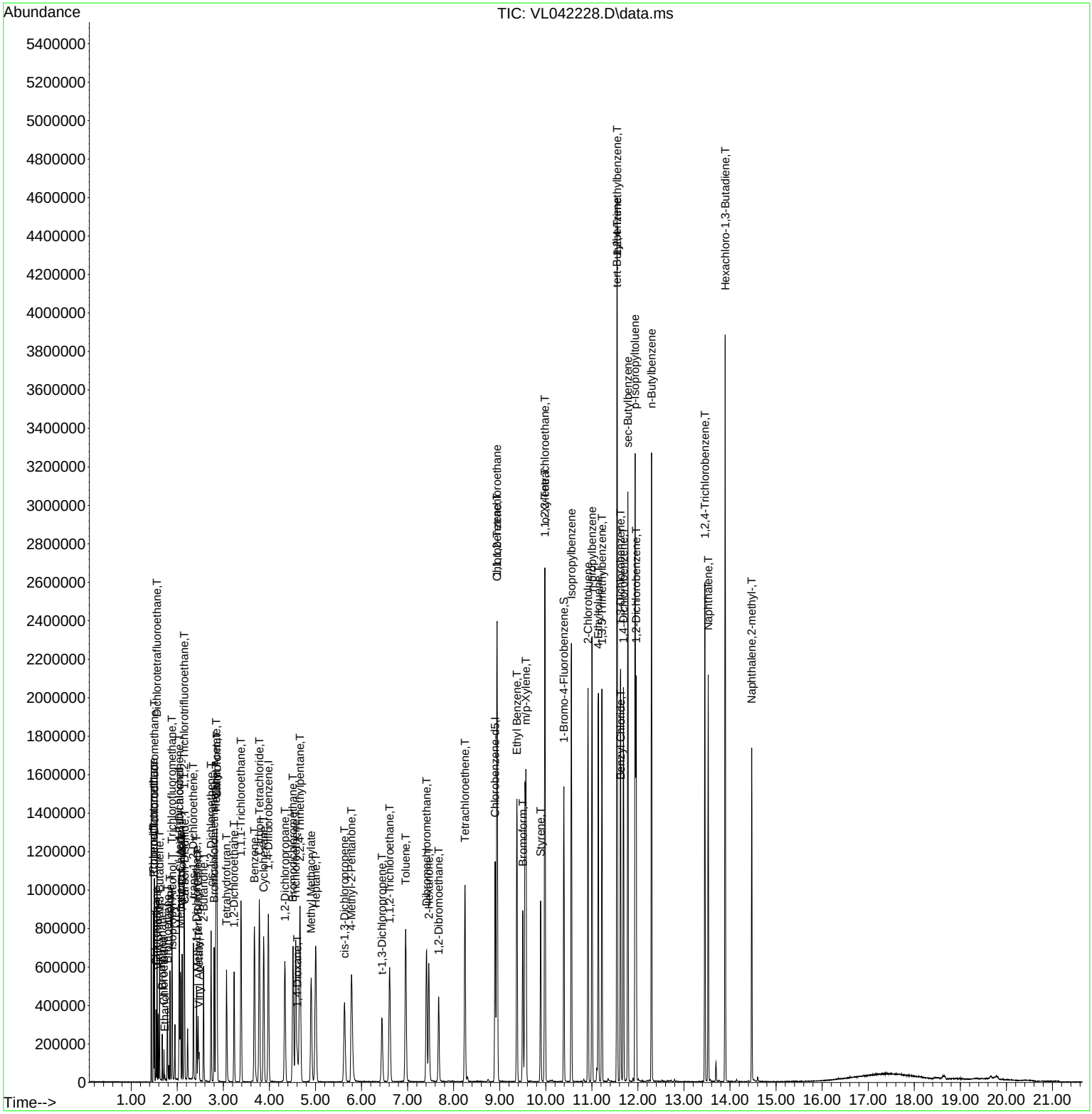
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

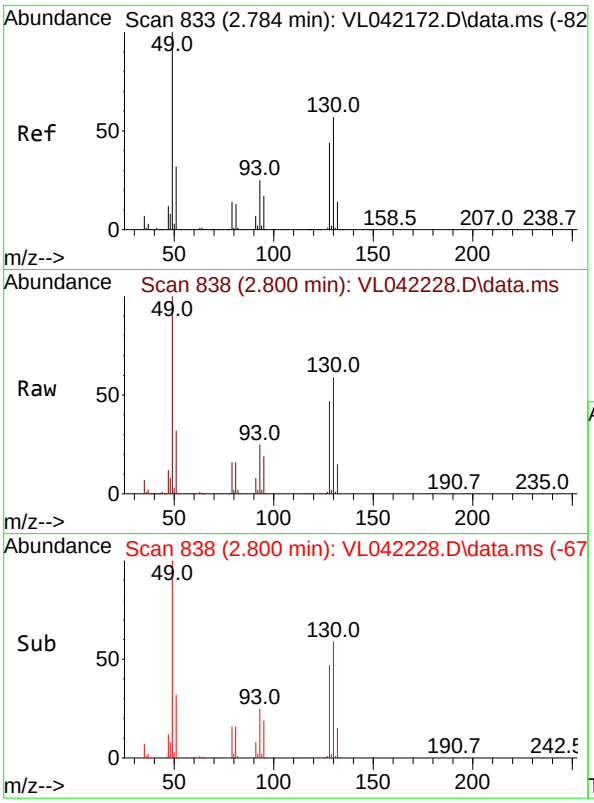
Quant Time: Apr 08 01:50:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

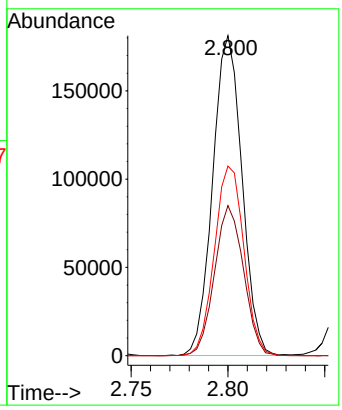




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 49 Resp: 19046

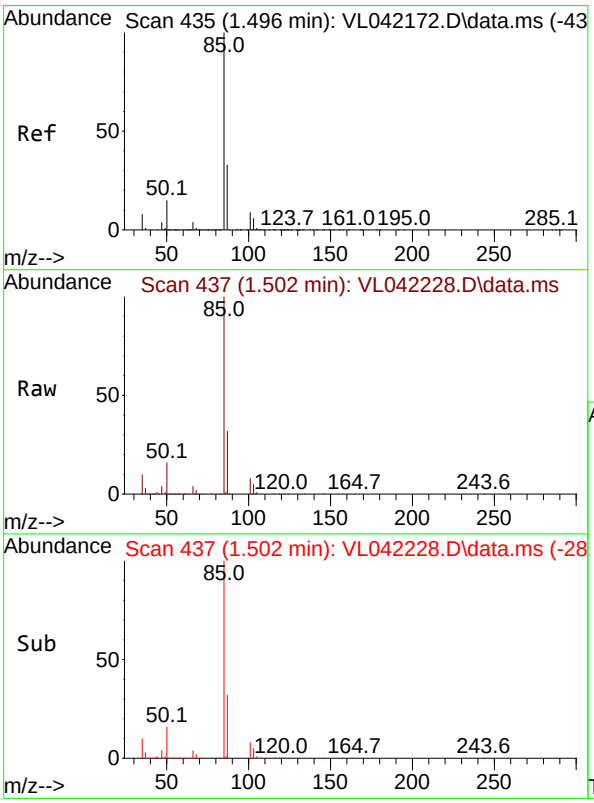
Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.9	68.5
130	59.8	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

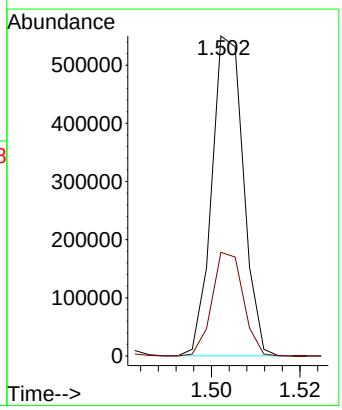
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

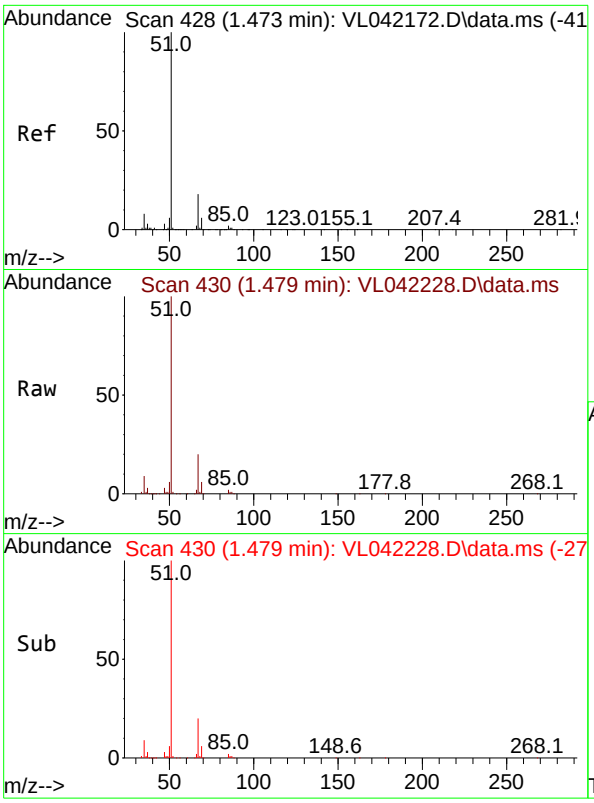


#2
Dichlorodifluoromethane
Concen: 9.718 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 85 Resp: 273290

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.1	39.1

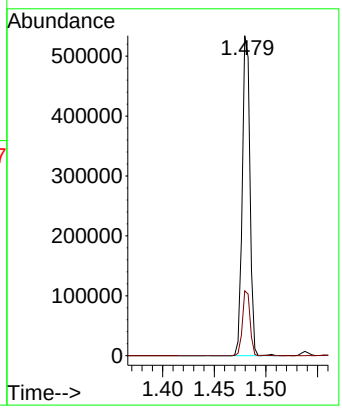




#3
Chlorodifluoromethane
Concen: 9.530 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 51 Resp: 27379

Ion	Ratio	Lower	Upper
51	100		
67	20.2	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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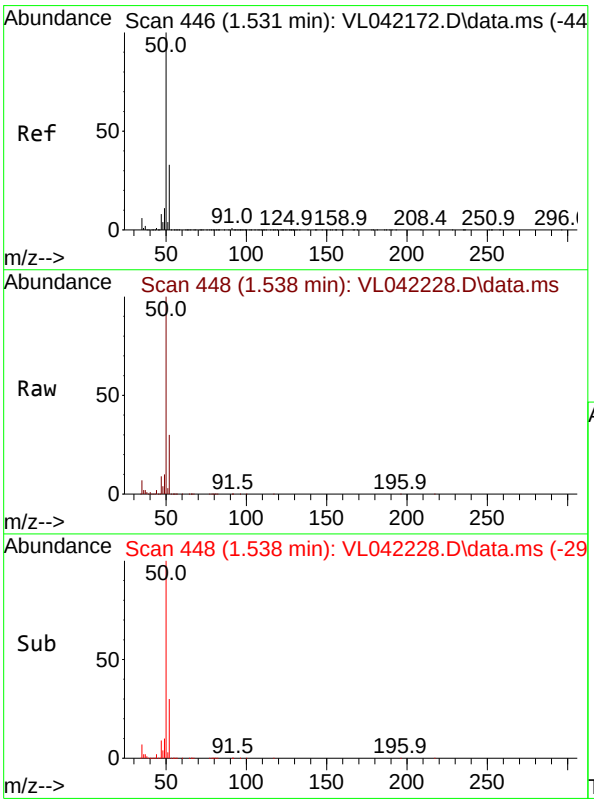
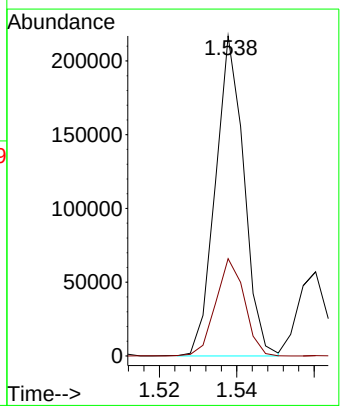
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

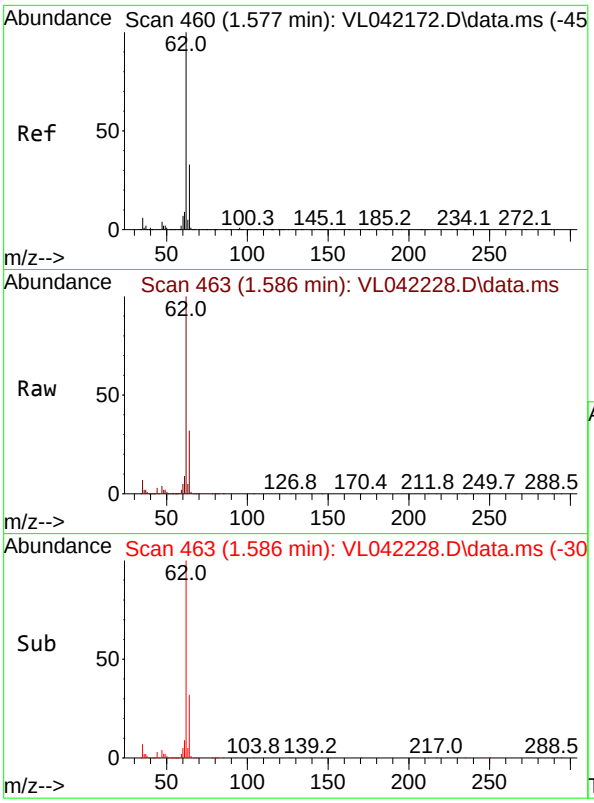


#4
Chloromethane
Concen: 9.649 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 50 Resp: 110890

Ion	Ratio	Lower	Upper
50	100		
52	30.4	26.1	39.1

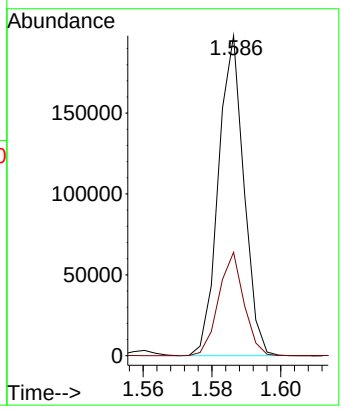




#5
Vinyl Chloride
Concen: 8.363 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 62 Resp: 10185

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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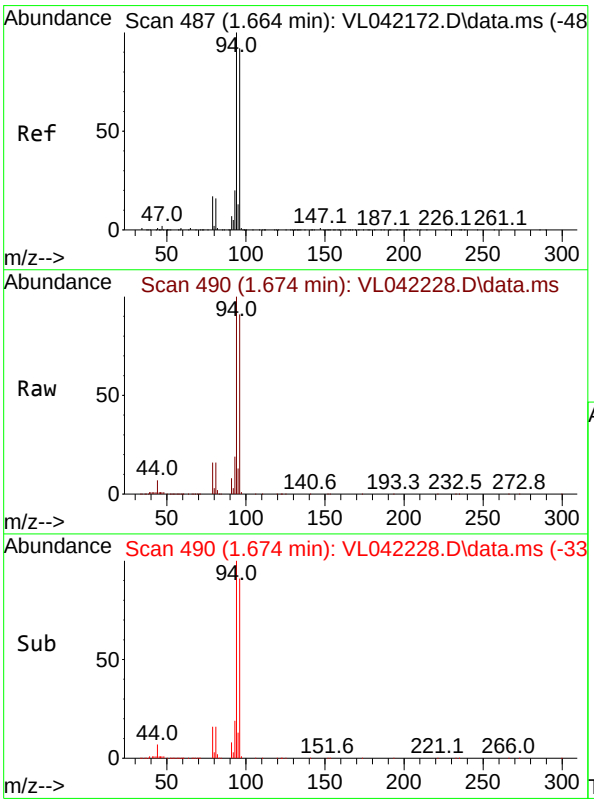
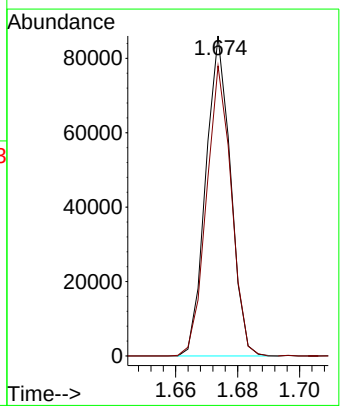
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

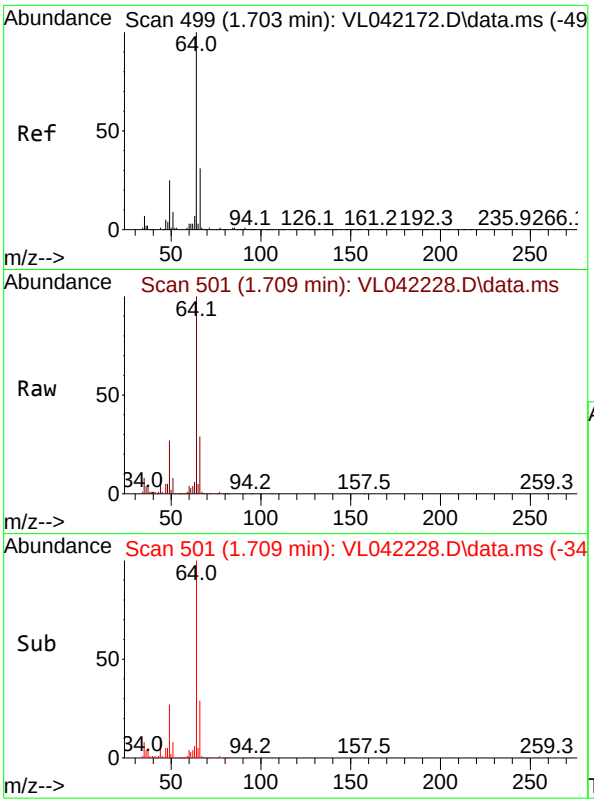


#6
Bromomethane
Concen: 9.162 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 94 Resp: 47719

Ion	Ratio	Lower	Upper
94	100		
96	90.6	73.1	109.7

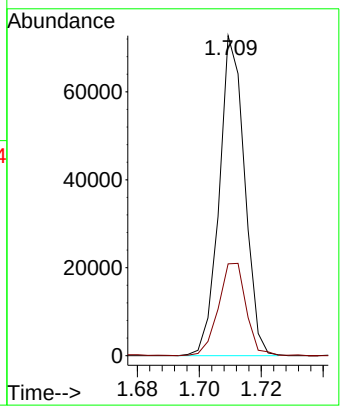




#7
Chloroethane
Concen: 8.972 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 64 Resp: 4138

Ion	Ratio	Lower	Upper
64	100		
66	28.7	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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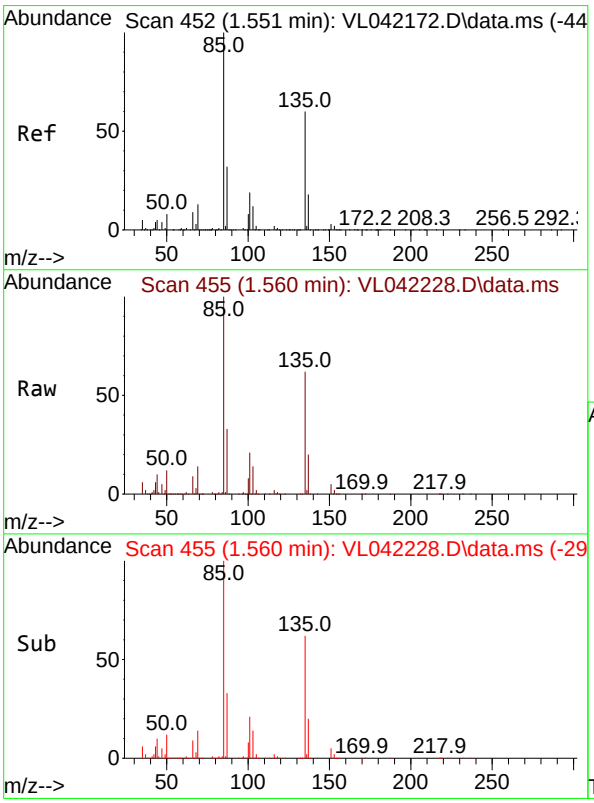
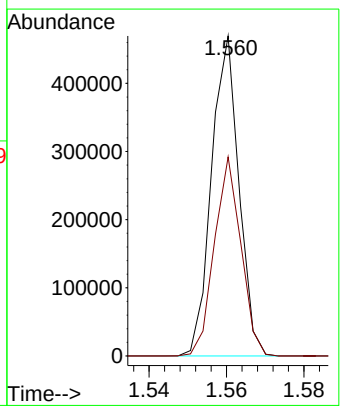
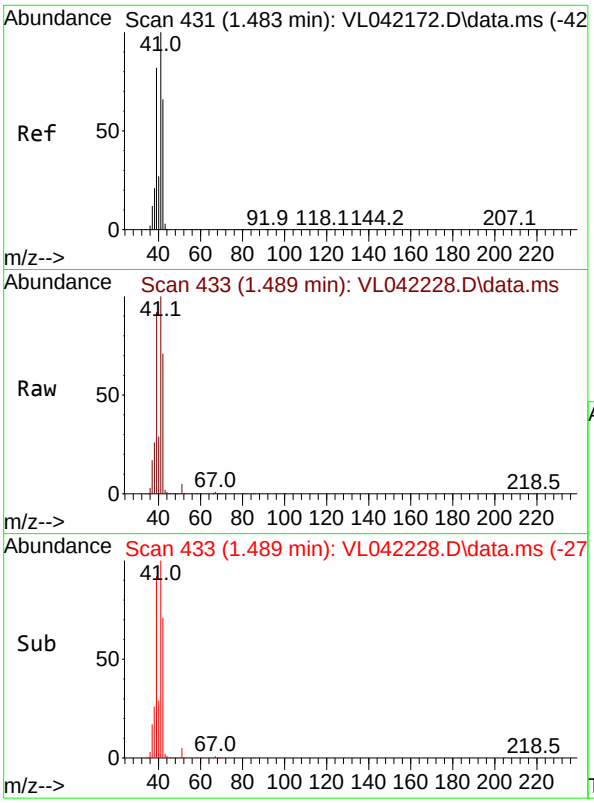


#8
Dichlorotetrafluoroethane
Concen: 9.627 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 85 Resp: 230557

Ion	Ratio	Lower	Upper
85	100		
135	60.4	52.4	78.6

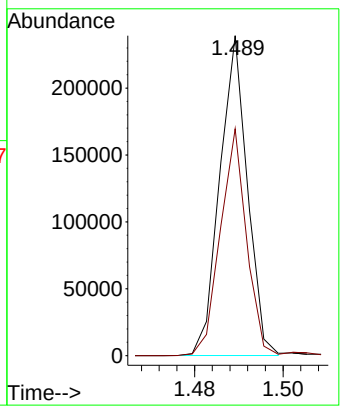




#9
Propene
Concen: 7.852 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 41 Resp: 10339

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.4	83.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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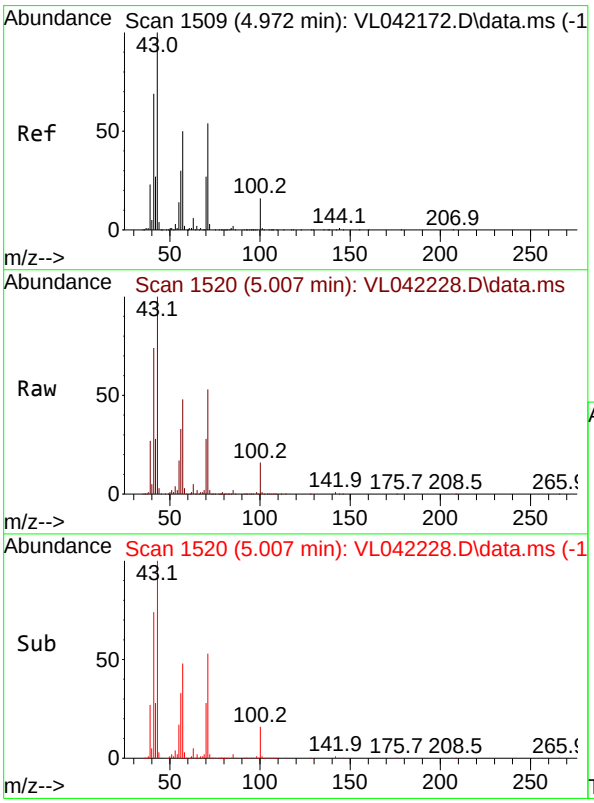
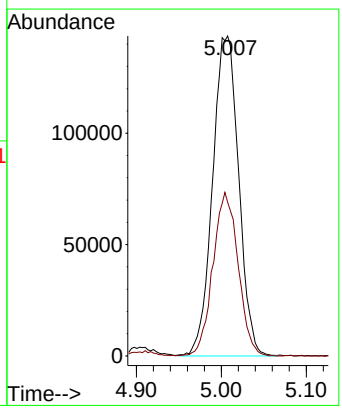
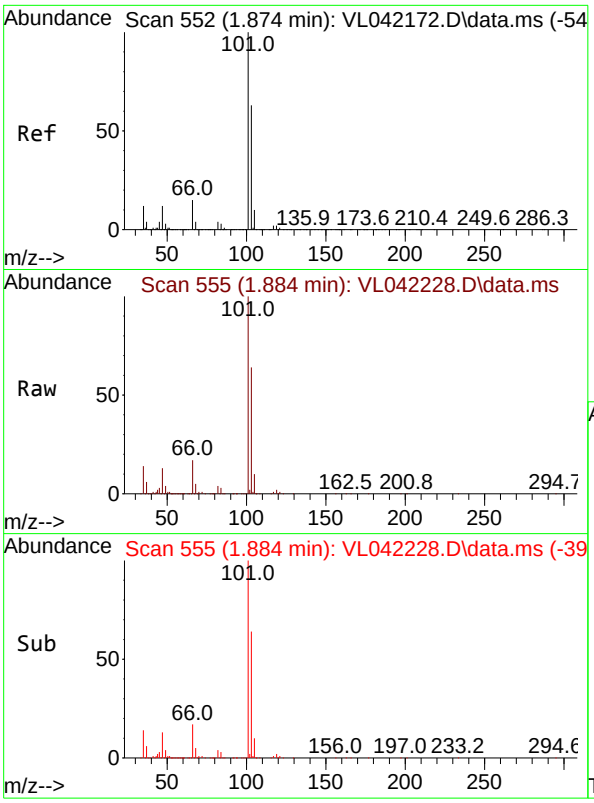


#10
Heptane
Concen: 8.770 ppbv m
RT: 5.007 min Scan# 1520
Delta R.T. 0.035 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 307160

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2#





#11
Trichlorofluoromethane
Concen: 9.563 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:101 Resp: 26166

Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.2	75.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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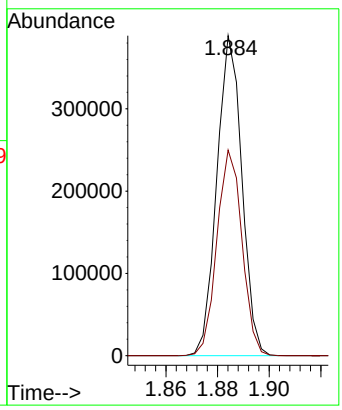
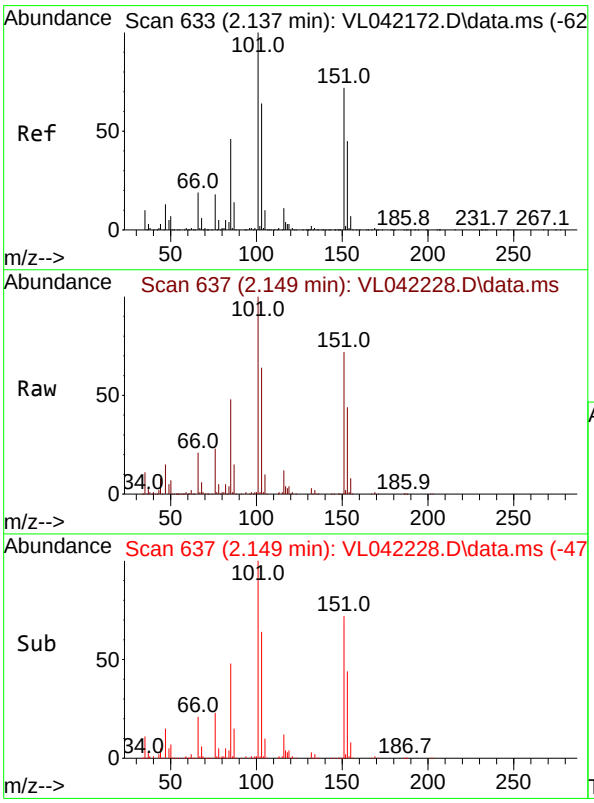
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

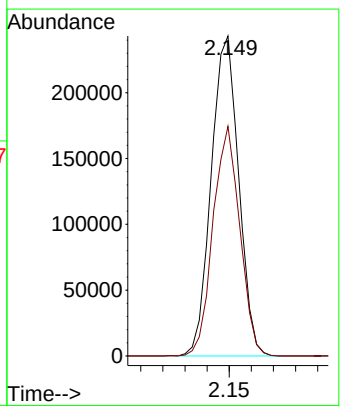


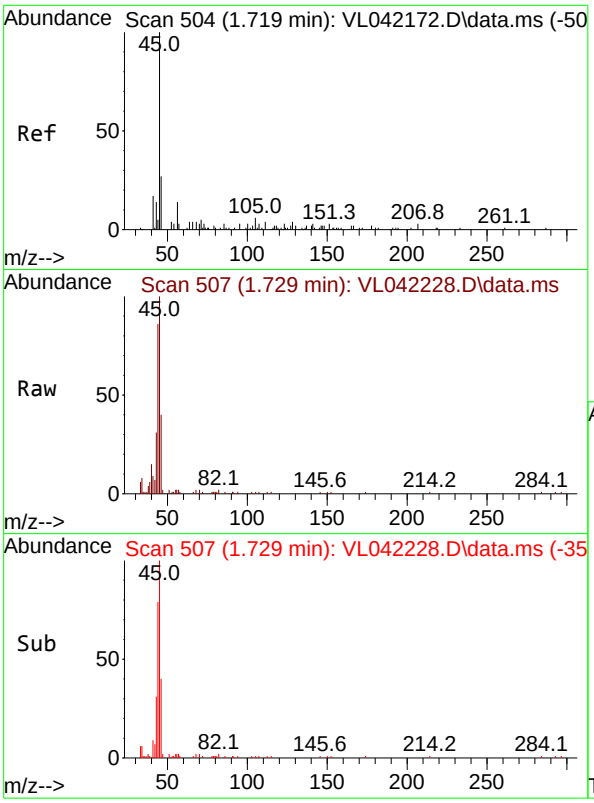


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.331 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:101 Resp: 209865

Ion	Ratio	Lower	Upper
101	100		
151	69.9	57.1	85.7





#13
Ethanol
Concen: 4.979 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 45 Resp: 619

Ion	Ratio	Lower	Upper
45	100		
46	39.4	20.2	80.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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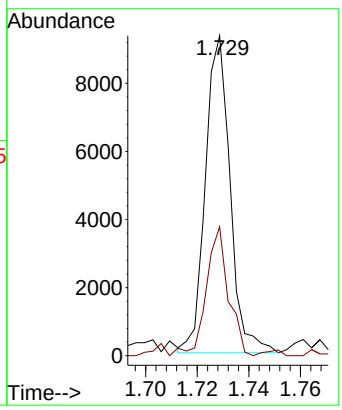
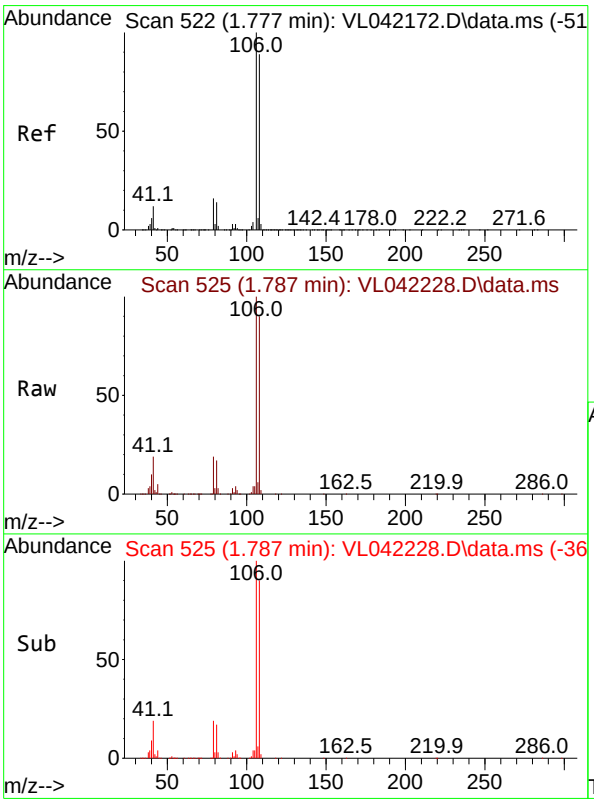
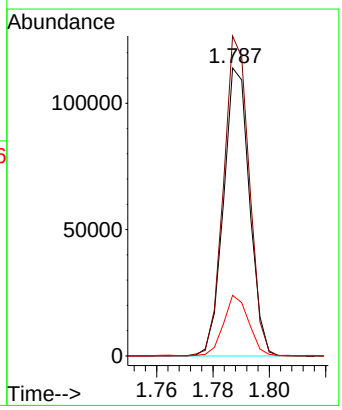


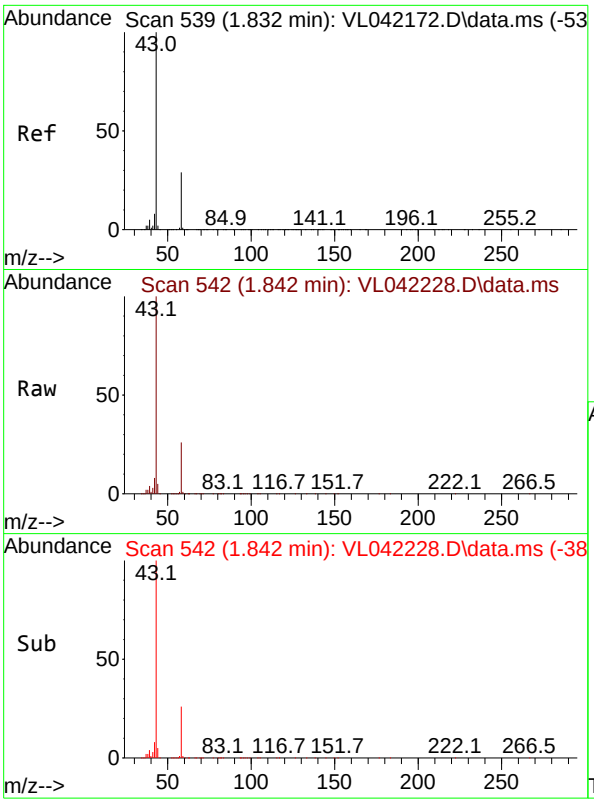


#14
Bromoethene
Concen: 8.465 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:108 Resp: 72937

Ion	Ratio	Lower	Upper
108	100		
106	109.6	86.8	130.2
79	20.9	15.0	22.6

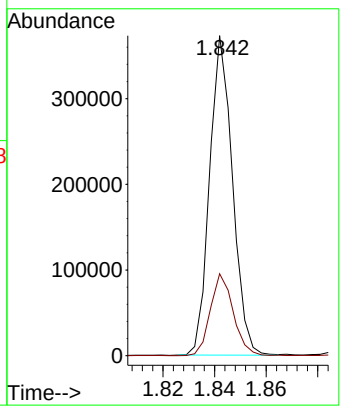




#15
Acetone
Concen: 8.621 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 22962

Ion	Ratio	Lower	Upper
43	100		
58	25.9	23.2	34.8



Instrument :
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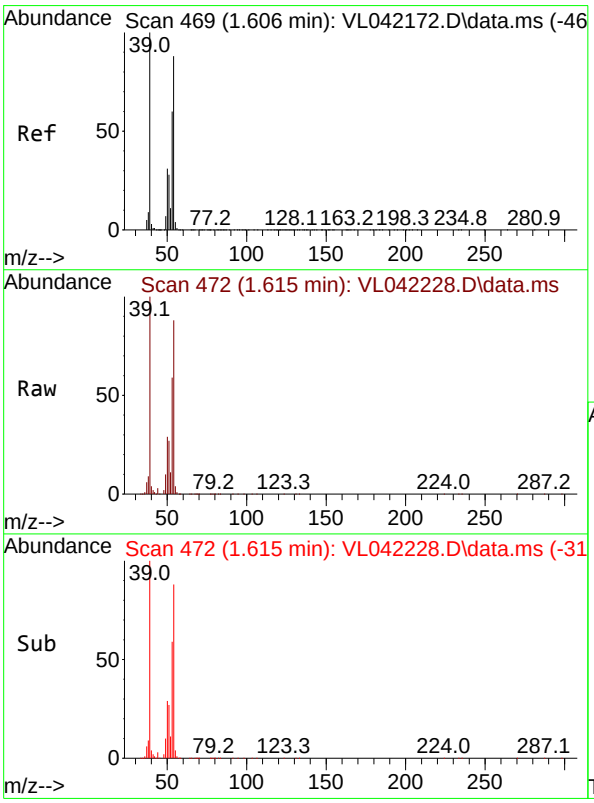
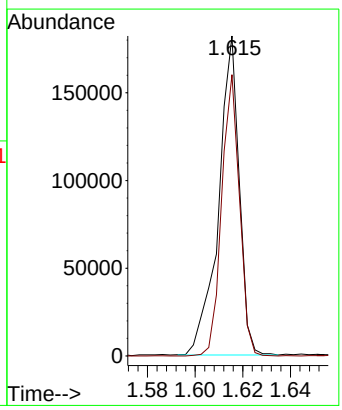
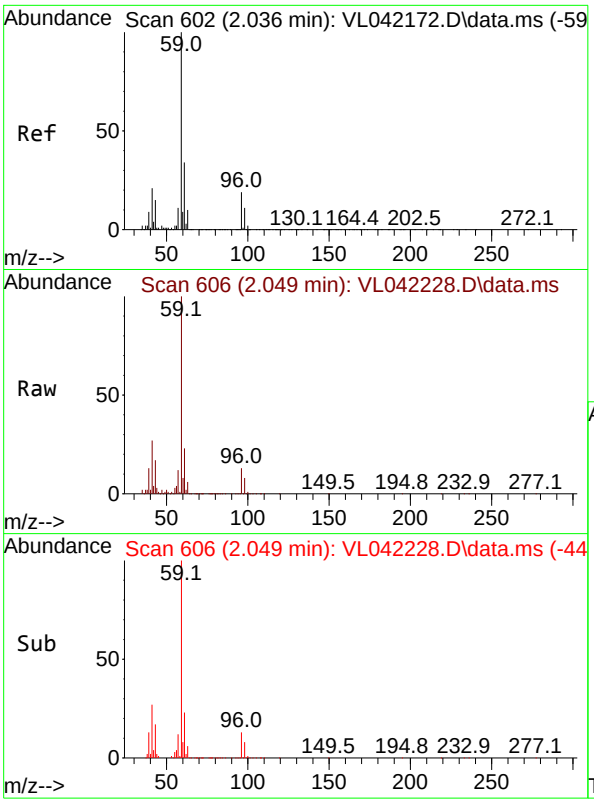


#16
1,3-Butadiene
Concen: 8.419 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 39 Resp: 109521

Ion	Ratio	Lower	Upper
39	100		
54	75.8	60.7	91.1

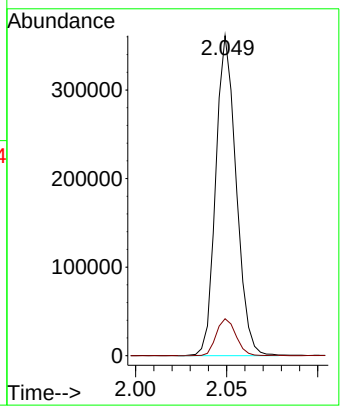




#17
tert-Butyl alcohol
Concen: 8.492 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 59 Resp: 28175

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.9	13.3



Instrument :
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ClientSampleId :
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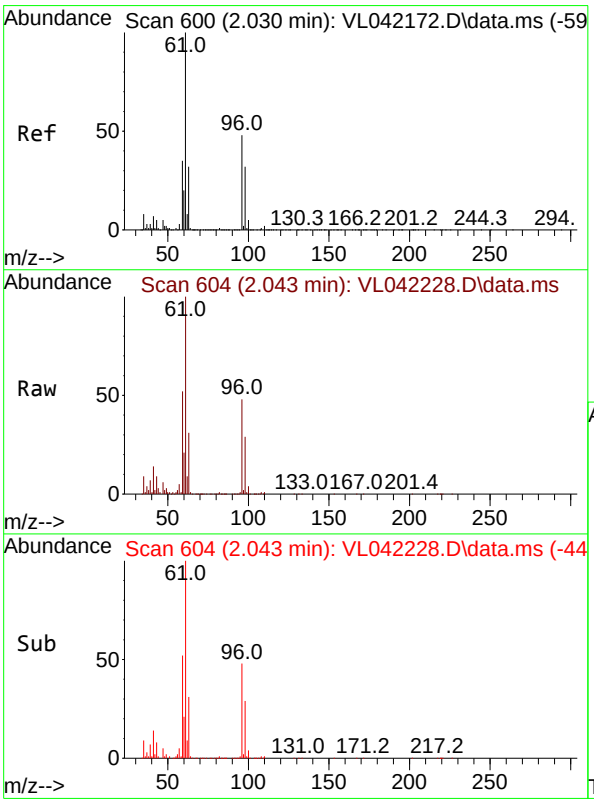
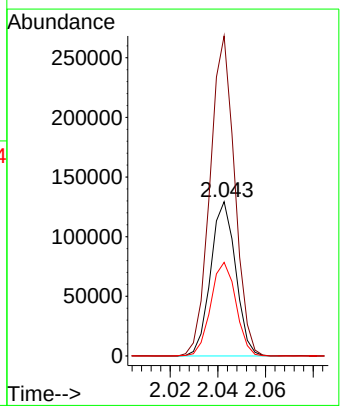
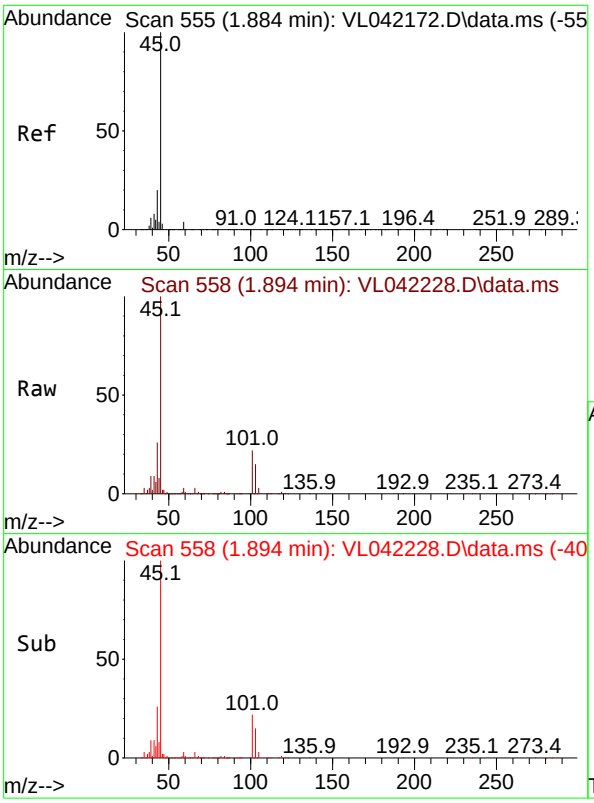


#18
1,1-Dichloroethene
Concen: 8.960 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 96 Resp: 94213

Ion	Ratio	Lower	Upper
96	100		
61	207.3	167.6	251.4
98	60.7	53.5	80.3

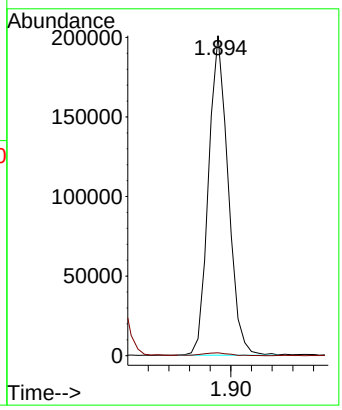




#19
Isopropyl Alcohol
Concen: 8.793 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 45 Resp: 13214

Ion	Ratio	Lower	Upper
45	100		
58	45.1	36.9	55.3



Instrument :
MSVOA_L
ClientSampleId :
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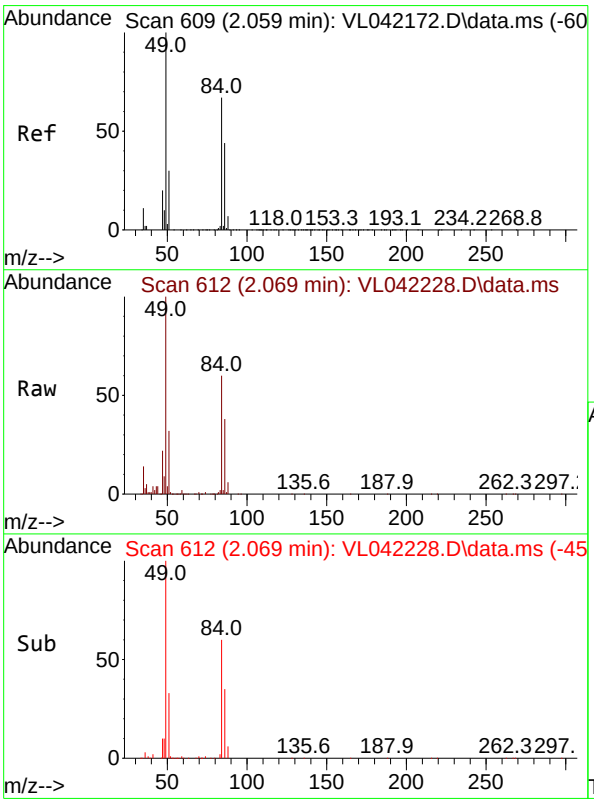
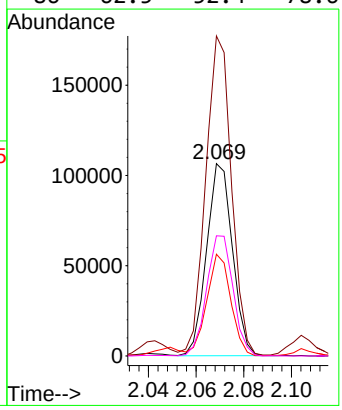
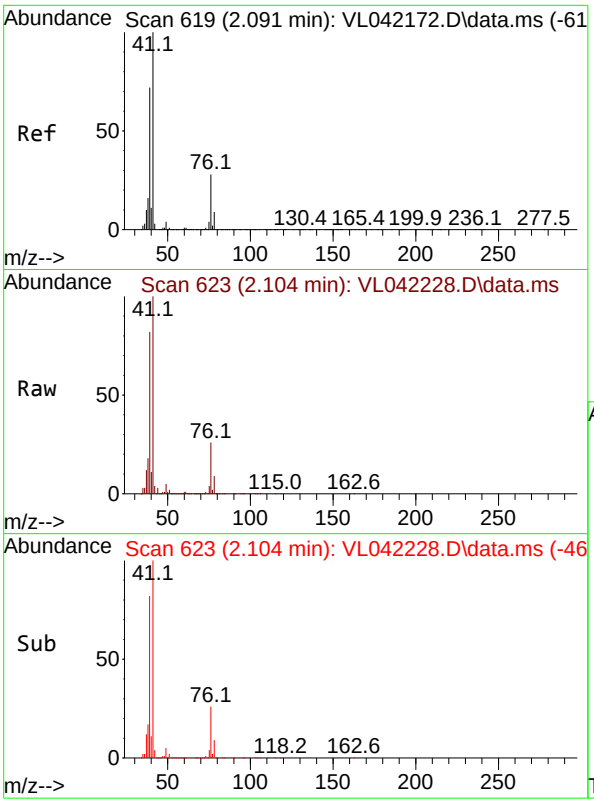


#20
Methylene Chloride
Concen: 8.103 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 84 Resp: 80384

Ion	Ratio	Lower	Upper
84	100		
49	165.1	120.2	180.4
51	52.7	37.4	56.0
86	62.5	52.4	78.6

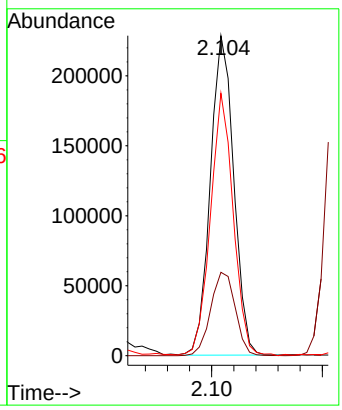




#21
Allyl Chloride
Concen: 8.938 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 41 Resp: 16790

Ion	Ratio	Lower	Upper
41	100		
76	27.5	24.1	36.1
39	79.2	61.1	91.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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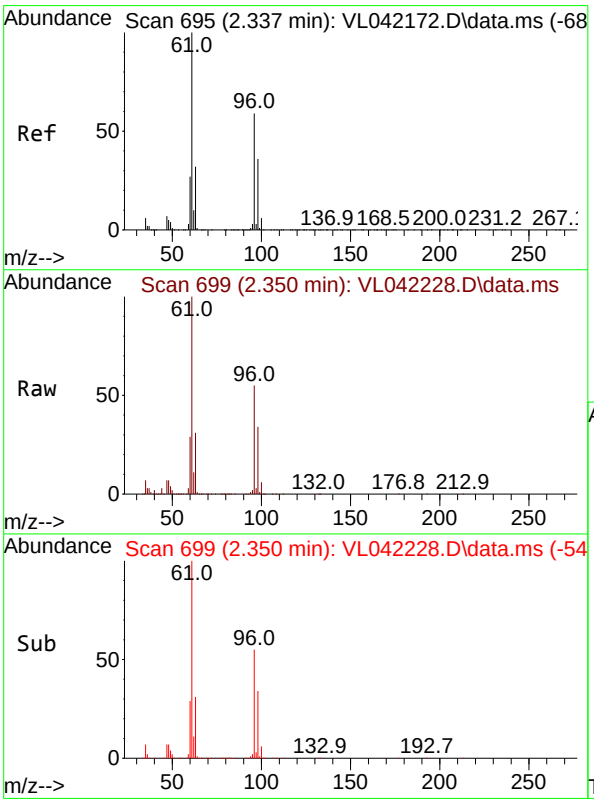
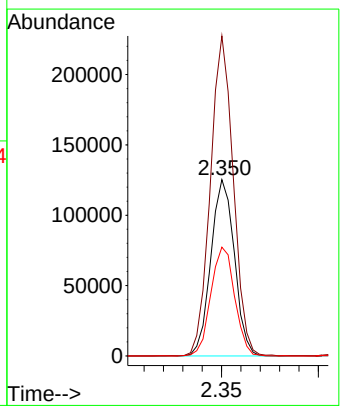
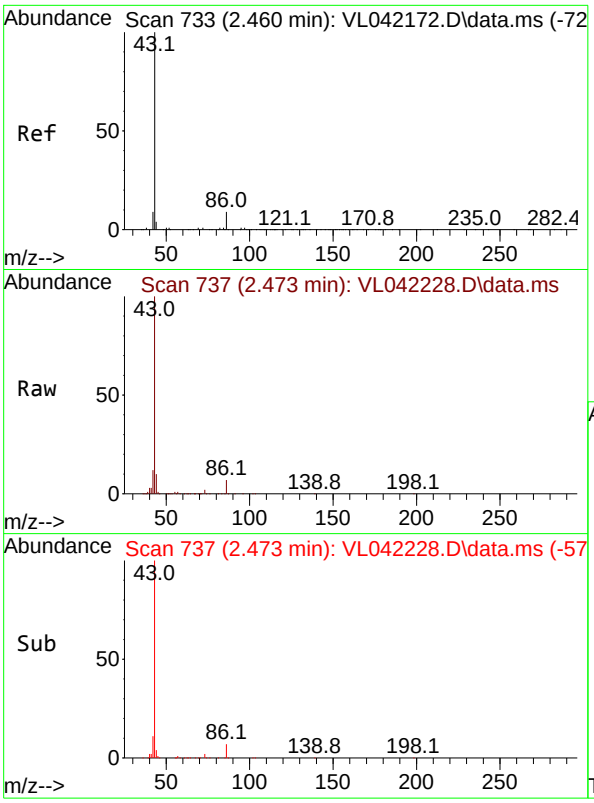


#22
trans-1,2-Dichloroethene
Concen: 8.705 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 96 Resp: 105790

Ion	Ratio	Lower	Upper
96	100		
61	181.4	136.6	204.8
98	61.7	49.4	74.2

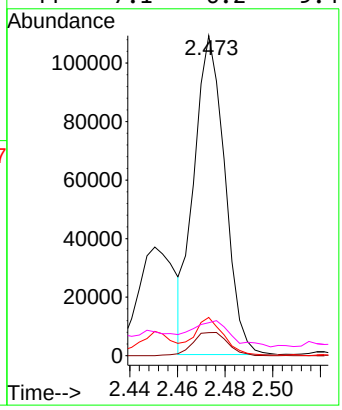




#23
Vinyl Acetate
Concen: 8.497 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 9795

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	11.7	8.6	13.0
44	7.1	6.2	9.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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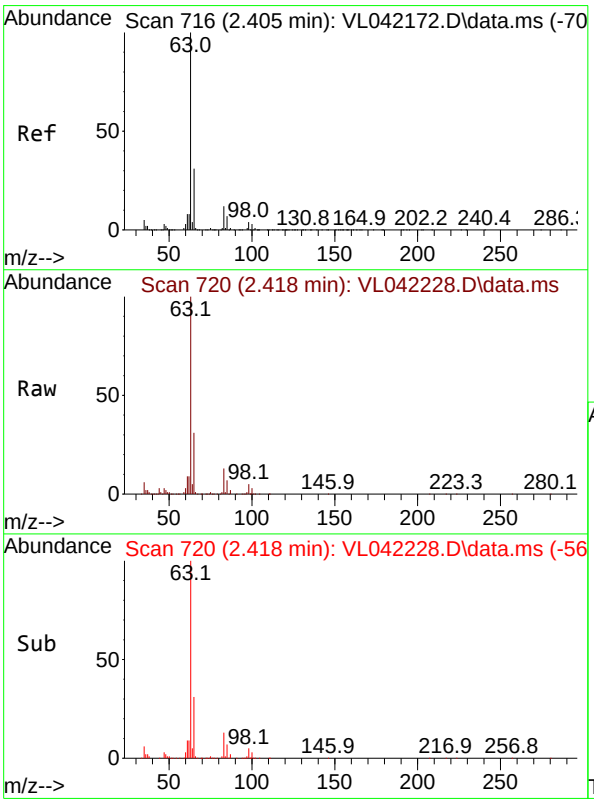
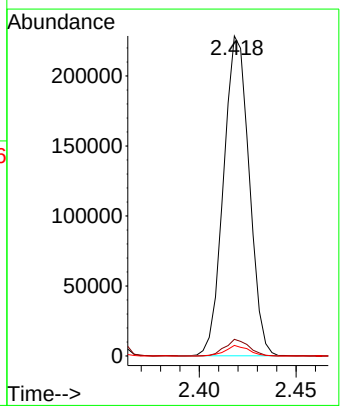
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

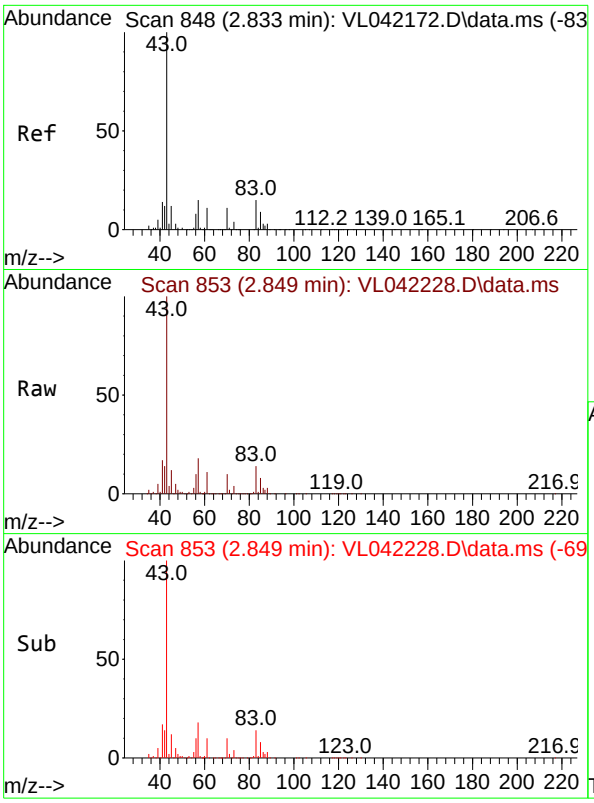


#24
1,1-Dichloroethane
Concen: 9.328 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 63 Resp: 210138

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.3	6.8
100	3.3	1.6	4.7

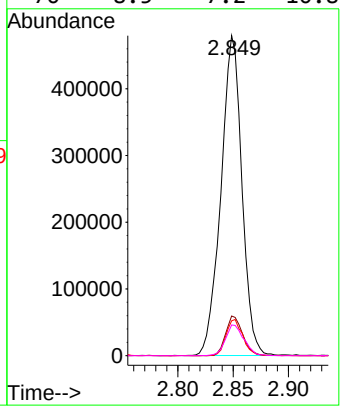




#25
Ethyl Acetate
Concen: 9.143 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 63209

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.1	7.3	10.9
70	8.5	7.2	10.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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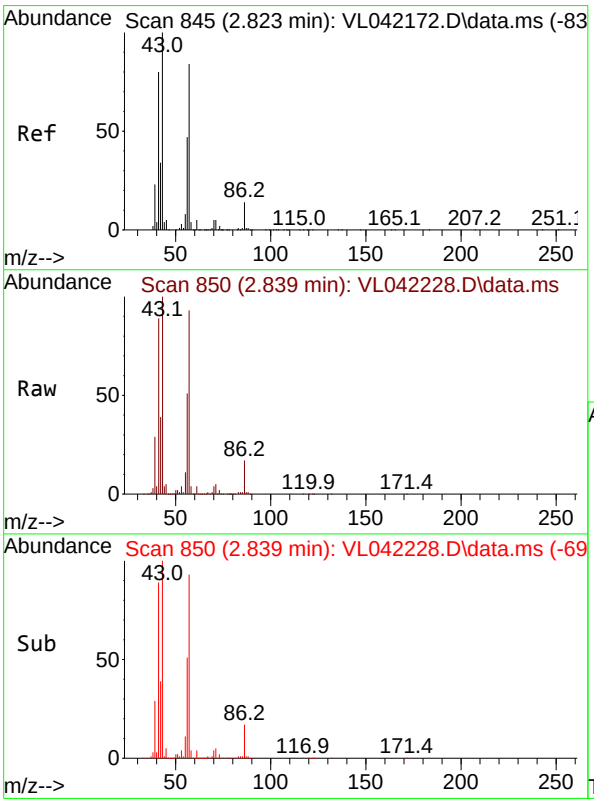
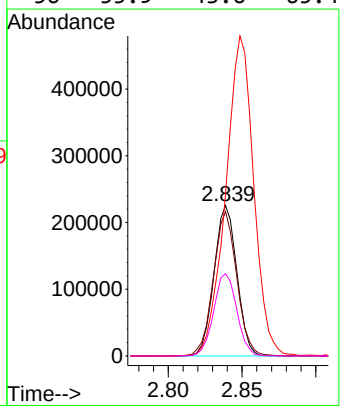
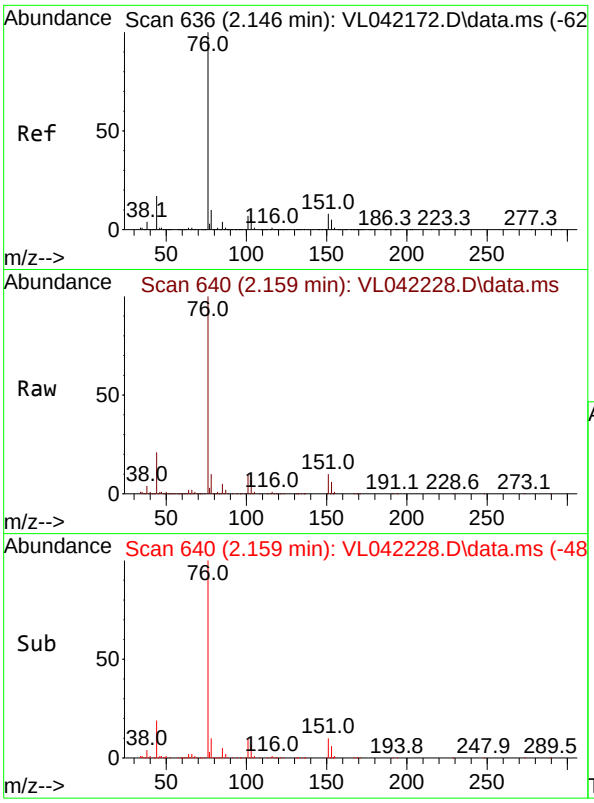


#26
Hexane
Concen: 9.046 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 57 Resp: 241568

Ion	Ratio	Lower	Upper
57	100		
41	98.7	76.6	114.8
43	263.3	207.8	311.8
56	55.9	43.6	65.4





#27
Carbon Disulfide
Concen: 9.155 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 76 Resp: 26215

Ion	Ratio	Lower	Upper
76	100		
44	21.2	14.7	22.1
78	11.8	9.3	13.9

Instrument :
MSVOA_L
ClientSampleId :
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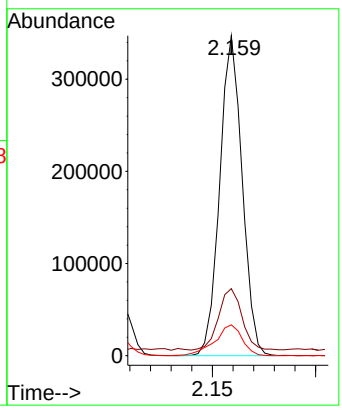
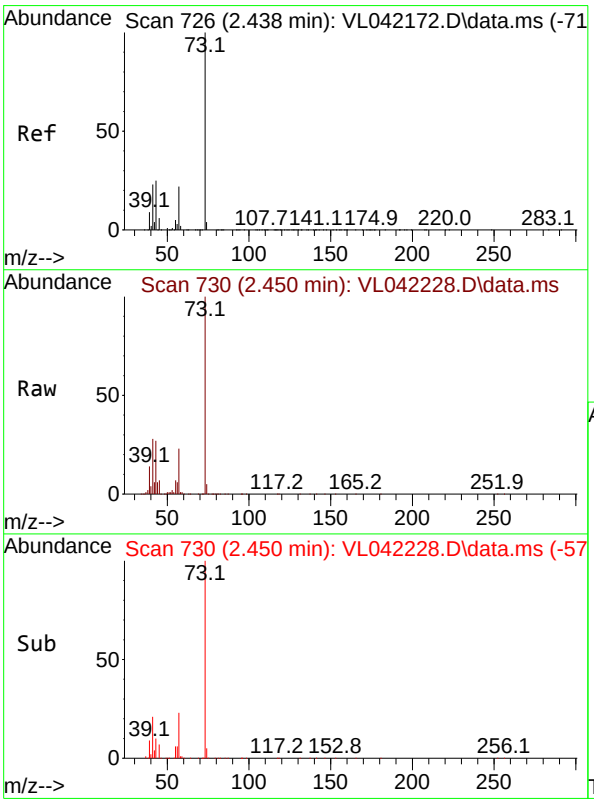
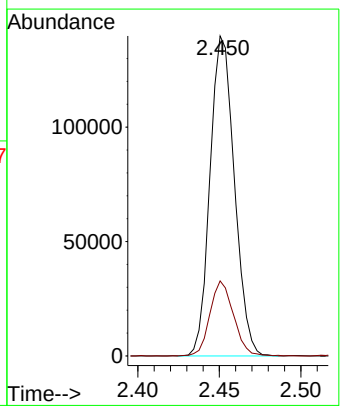


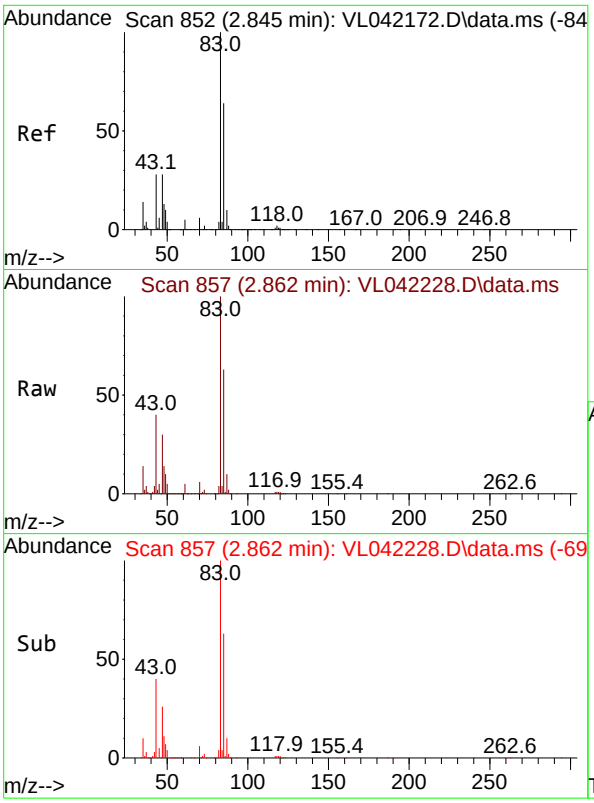


#28
Methyl tert-Butyl Ether
Concen: 8.740 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 73 Resp: 145310

Ion	Ratio	Lower	Upper
73	100		
57	22.7	20.5	30.7





#29
Chloroform
Concen: 10.178 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 83 Resp: 39777

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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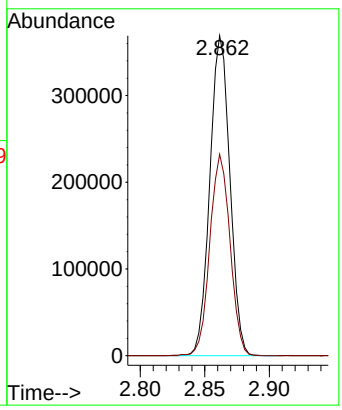
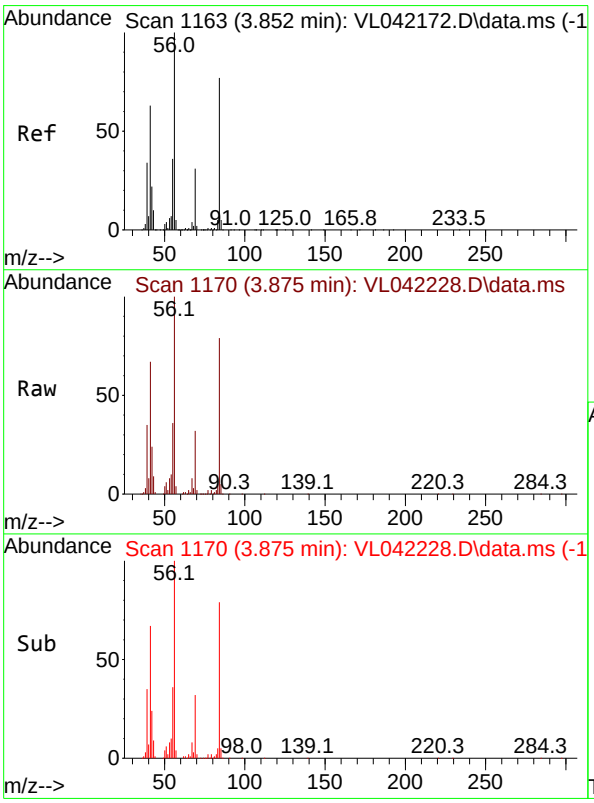
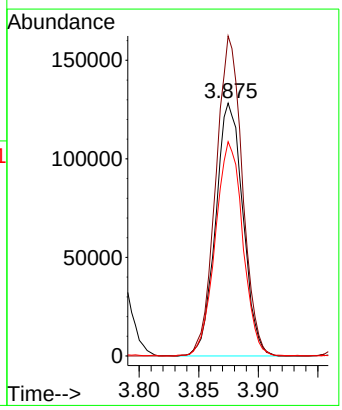


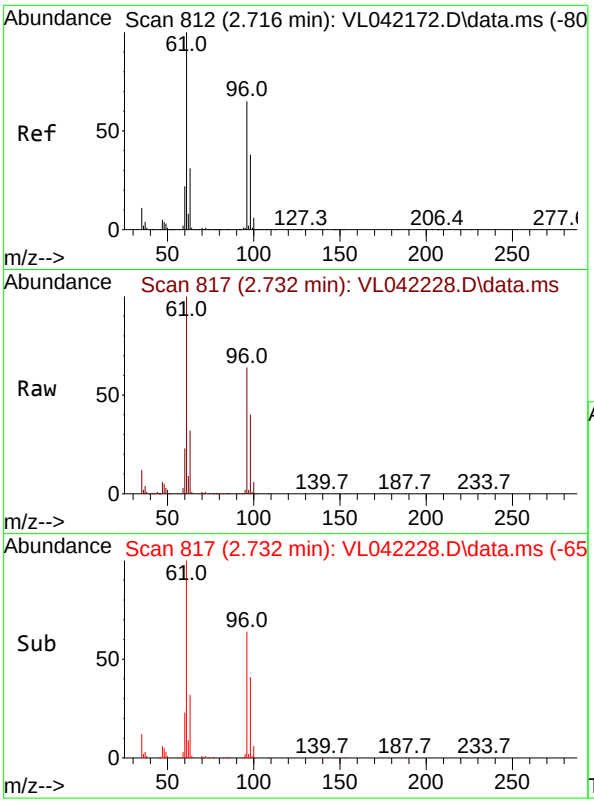


#30
Cyclohexane
Concen: 8.816 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 84 Resp: 204416

Ion	Ratio	Lower	Upper
84	100		
56	123.0	102.8	154.2
41	85.6	66.5	99.7

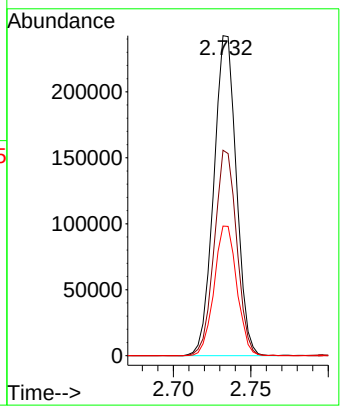




#31
cis-1,2-Dichloroethene
Concen: 9.085 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 61 Resp: 24630

Ion	Ratio	Lower	Upper
61	100		
96	64.2	51.8	77.8
98	40.5	30.6	46.0



Instrument :
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ClientSampleId :
VSTDCCC010

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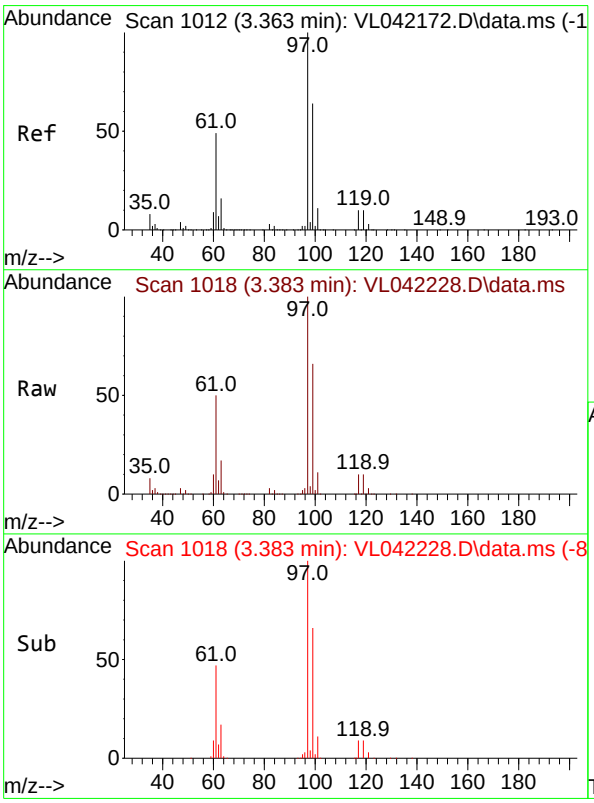
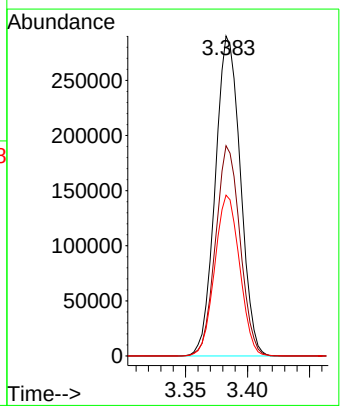
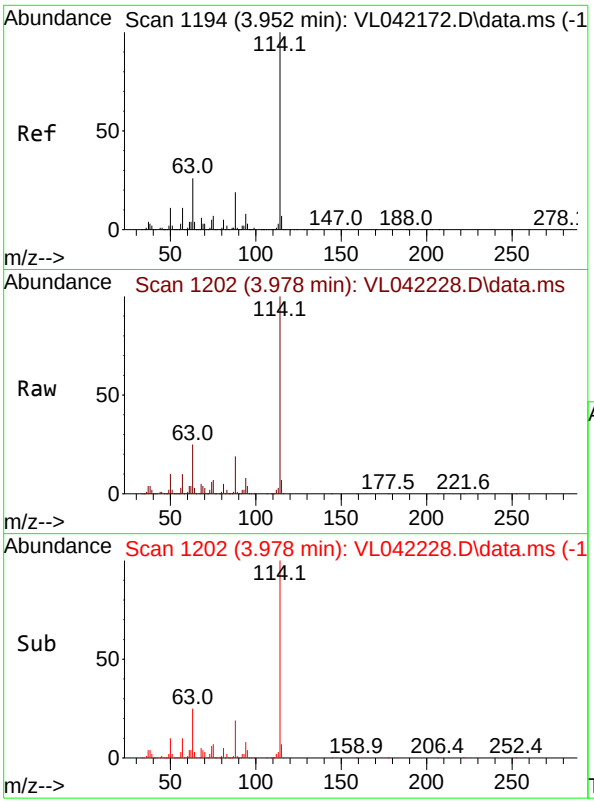


#32
1,1,1-Trichloroethane
Concen: 9.162 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 97 Resp: 409916

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	50.0	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:114 Resp: 51377

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.4	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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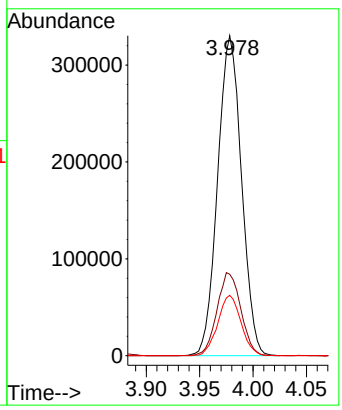
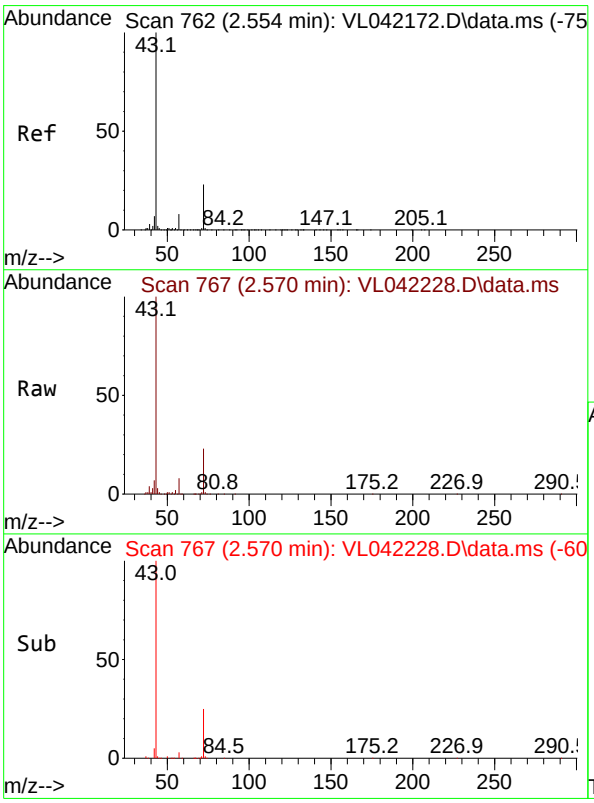
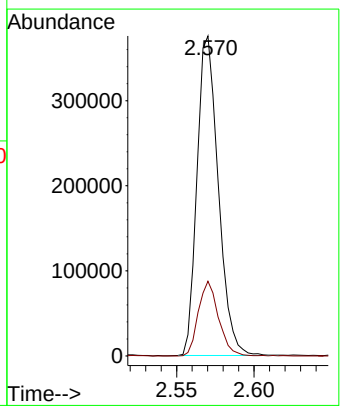


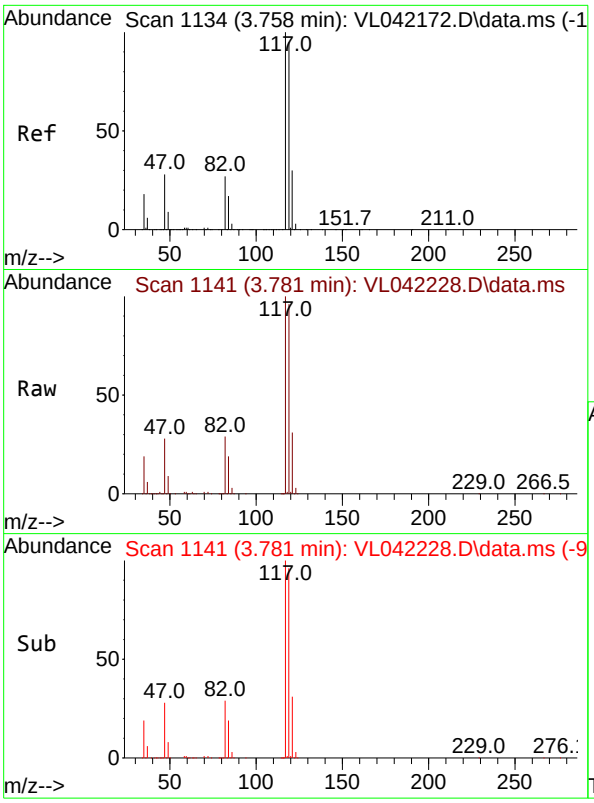


#34
2-Butanone
Concen: 9.632 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 358832

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.2	27.2





#35
Carbon Tetrachloride
Concen: 10.613 ppbv
RT: 3.781 min Scan# 1
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:117 Resp: 42596

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.2
121	31.1	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
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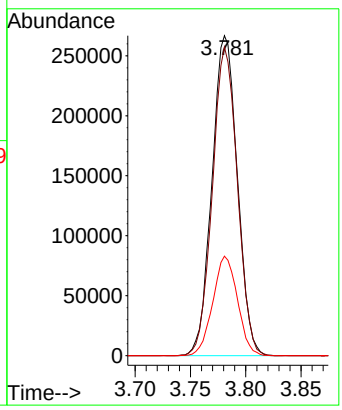
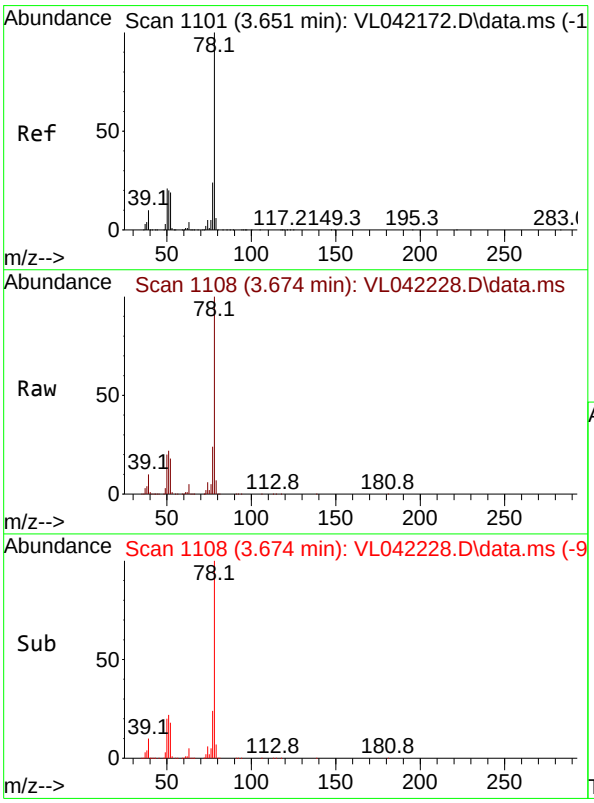
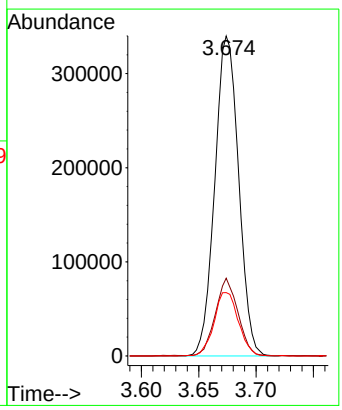


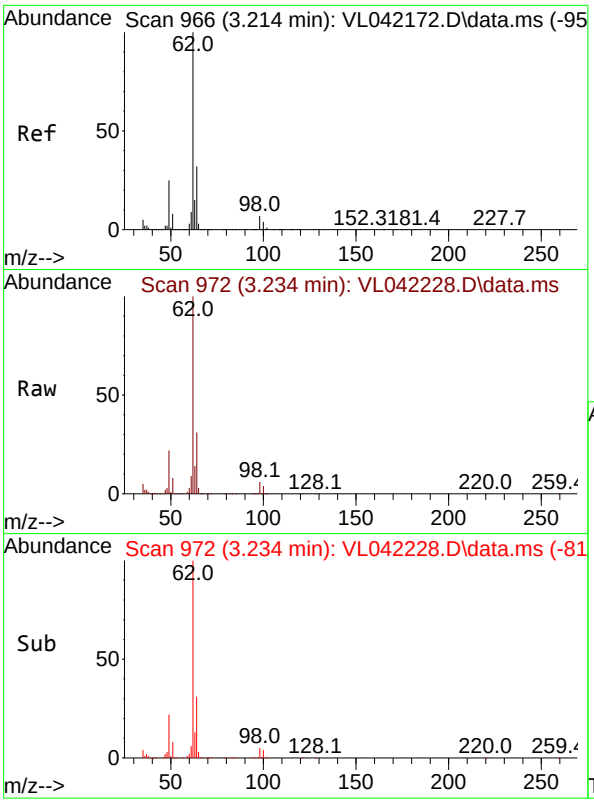


#36
Benzene
Concen: 9.636 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 78 Resp: 490813

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7
50	19.8	16.6	24.8

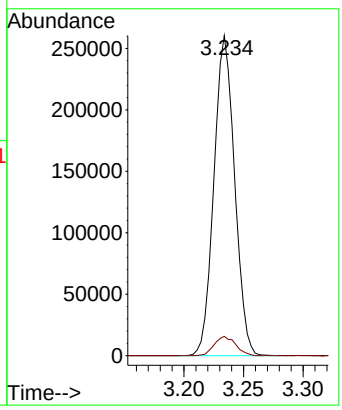




#37
1,2-Dichloroethane
Concen: 10.772 ppbv
RT: 3.234 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 62 Resp: 31412

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.4	8.2



Instrument :
MSVOA_L
ClientSampleId :
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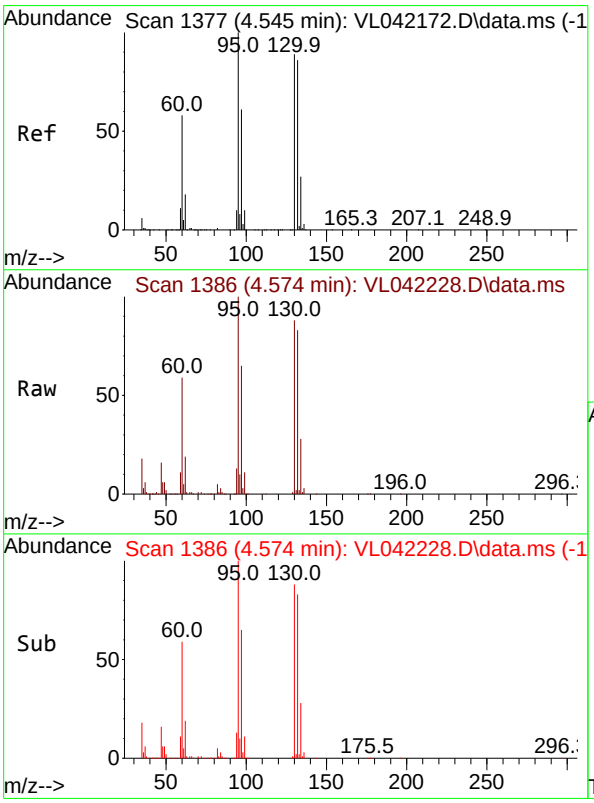
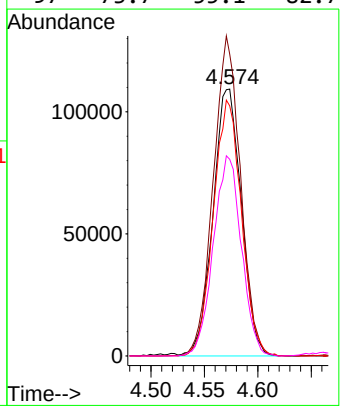
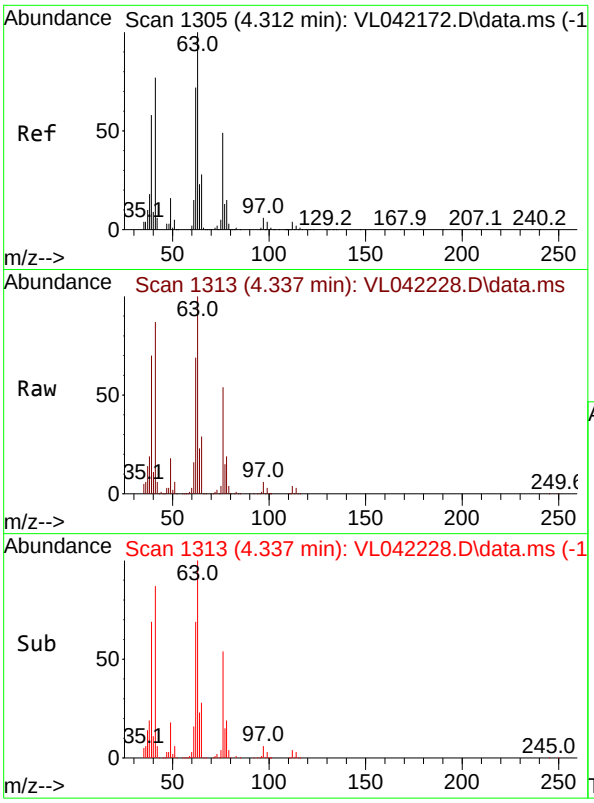


#38
Trichloroethene
Concen: 9.512 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:130 Resp: 202154

Ion	Ratio	Lower	Upper
130	100		
95	113.0	89.8	134.8
132	93.7	77.4	116.2
97	73.7	55.1	82.7

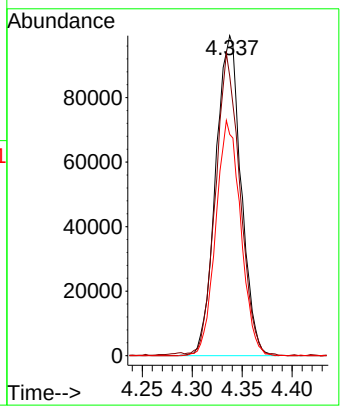




#39
1,2-Dichloropropane
Concen: 9.472 ppbv
RT: 4.337 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 63 Resp: 17570

Ion	Ratio	Lower	Upper
63	100		
41	87.2	61.7	92.5
62	69.1	57.6	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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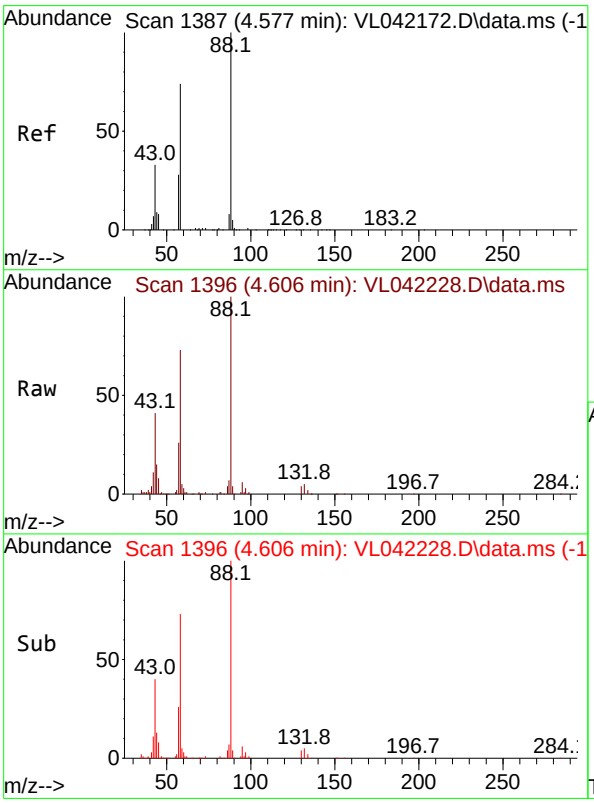
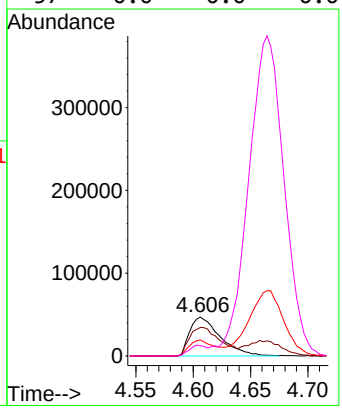
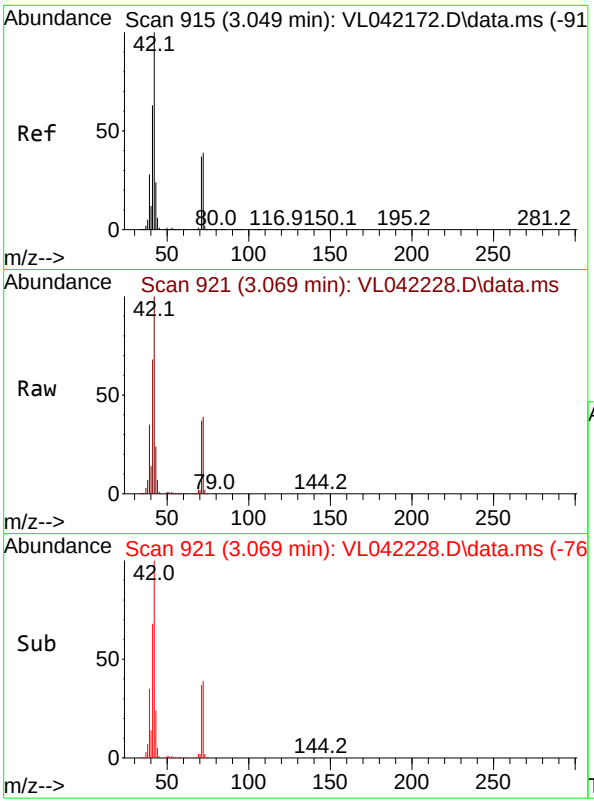


#40
1,4-Dioxane
Concen: 8.803 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 88 Resp: 86664

Ion	Ratio	Lower	Upper
88	100		
58	74.4	62.7	94.1
43	37.1	23.0	34.4#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.290 ppbv
RT: 3.069 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 42 Resp: 19931

Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.4	47.0
71	36.1	30.2	45.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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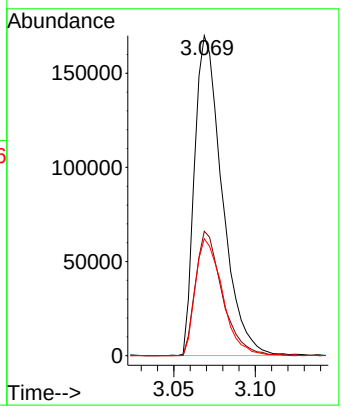
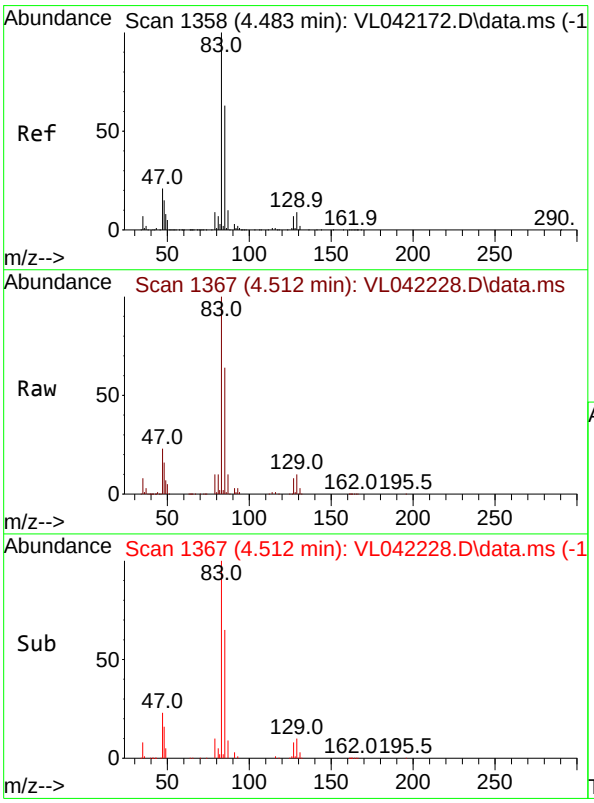
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

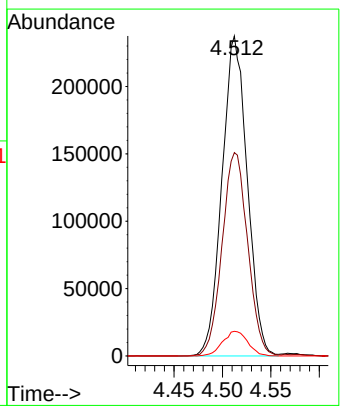


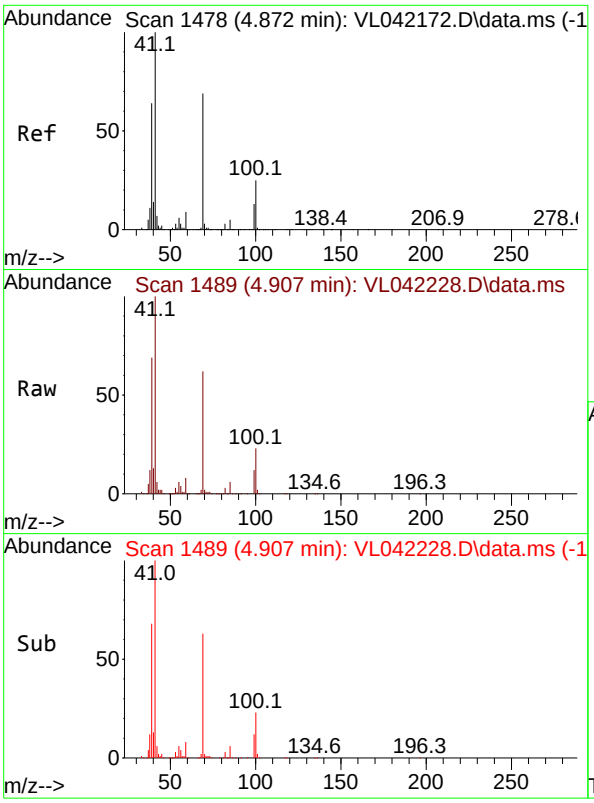


#42
Bromodichloromethane
Concen: 10.721 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 83 Resp: 430997

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	7.7	5.9	8.9





#43
Methyl Methacrylate
Concen: 8.605 ppbv
RT: 4.907 min Scan# 14
Delta R.T. 0.035 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 69 Resp: 18554

Ion	Ratio	Lower	Upper
69	100		
41	157.6	123.8	185.6
100	36.4	28.4	42.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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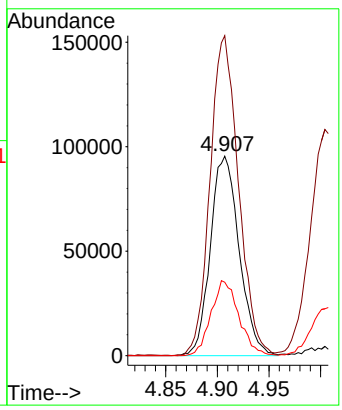
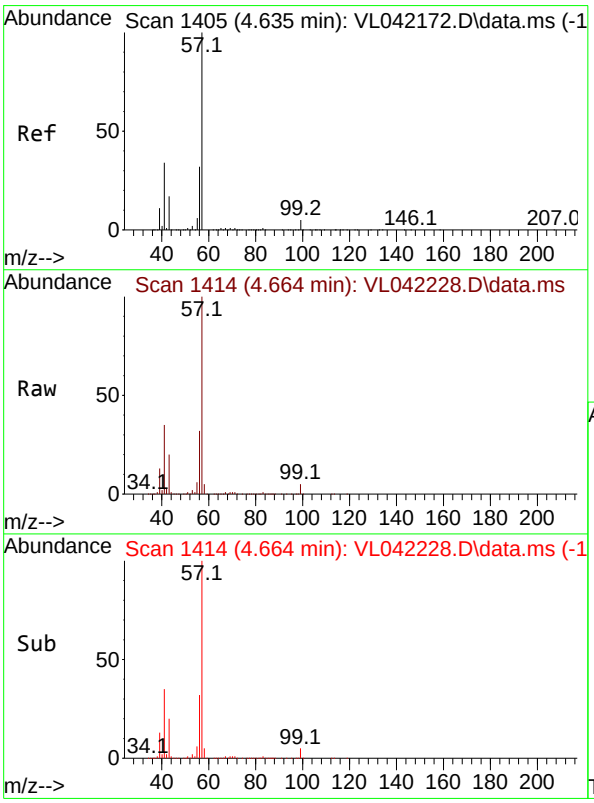
Supervised By :Mahesh Dadoda 04/09/2025

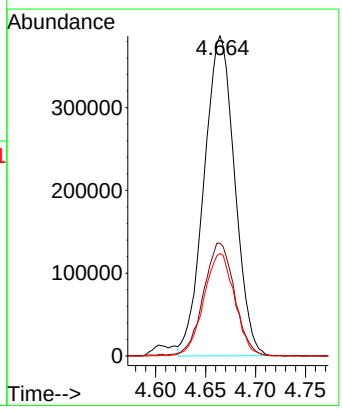


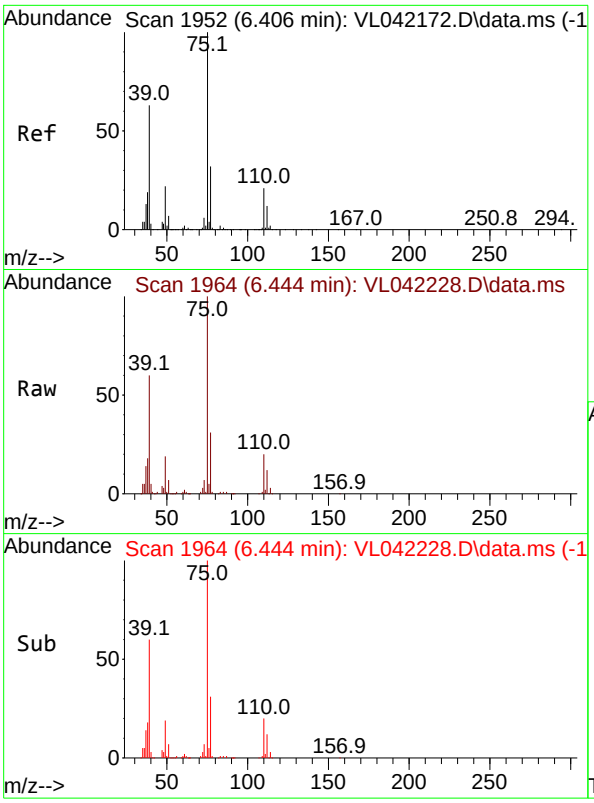


#44
2,2,4-Trimethylpentane
Concen: 9.584 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 57 Resp: 824962

Ion	Ratio	Lower	Upper
57	100		
41	36.1	26.8	40.2
56	32.3	25.6	38.4

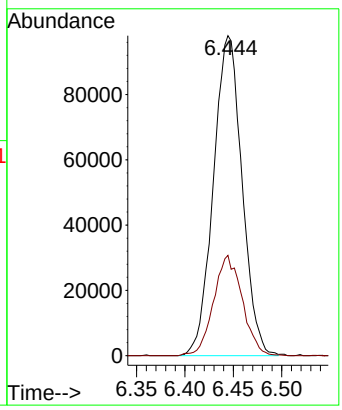




#45
t-1,3-Dichloropropene
Concen: 8.718 ppbv
RT: 6.444 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 75 Resp: 20167

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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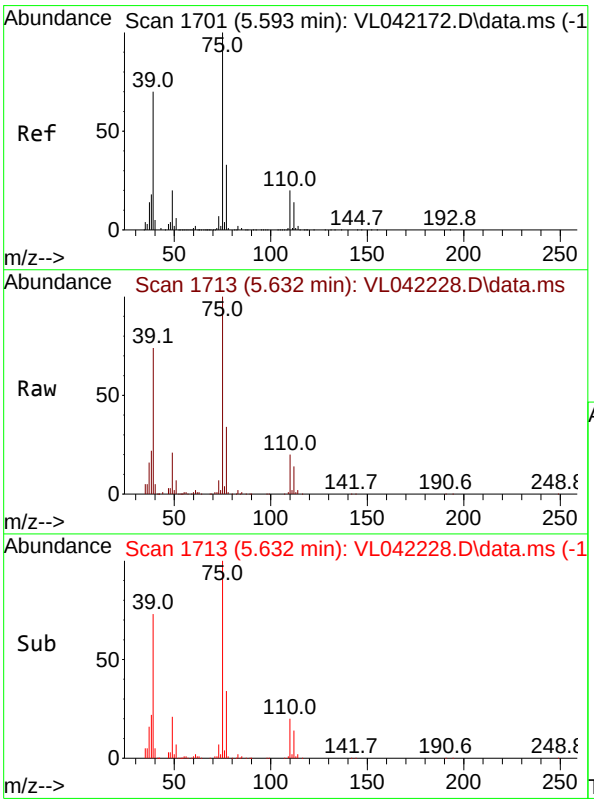
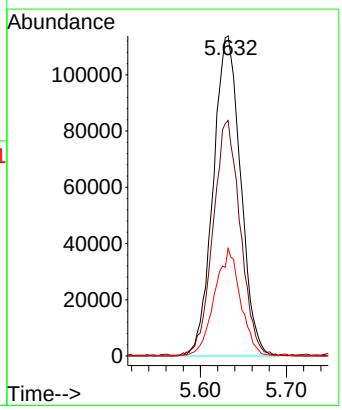
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

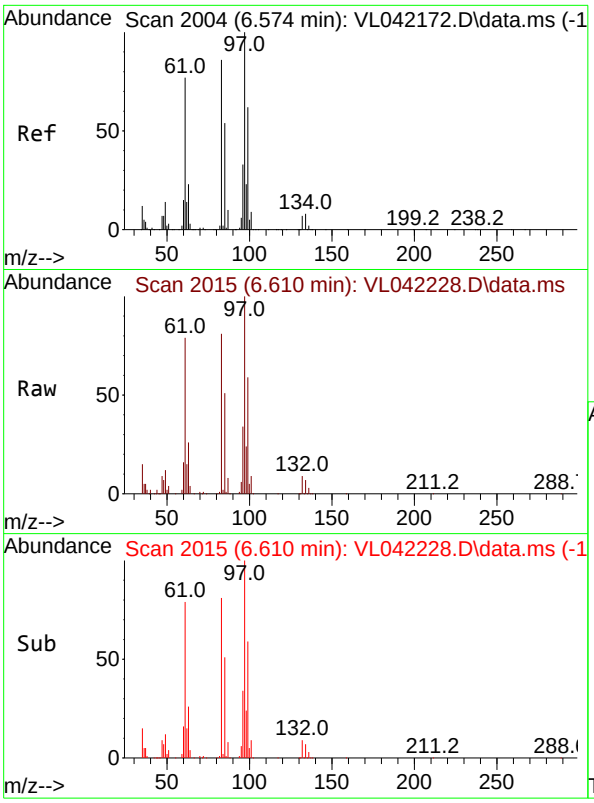


#46
cis-1,3-Dichloropropene
Concen: 8.888 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.039 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 75 Resp: 252032

Ion	Ratio	Lower	Upper
75	100		
39	73.3	55.8	83.6
77	33.4	26.0	39.0

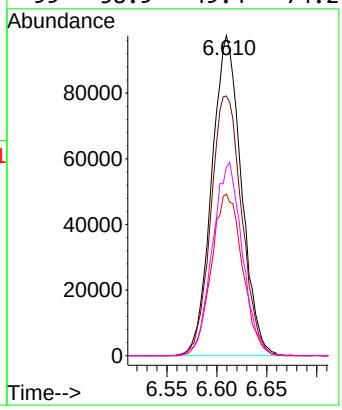




#47
1,1,2-Trichloroethane
Concen: 10.239 ppbv
RT: 6.610 min Scan# 2
Delta R.T. 0.035 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 97 Resp: 20078

Ion	Ratio	Lower	Upper
97	100		
83	81.0	69.2	103.8
85	50.4	43.1	64.7
99	58.9	49.4	74.2



Instrument :
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ClientSampleId :
VSTDCCC010

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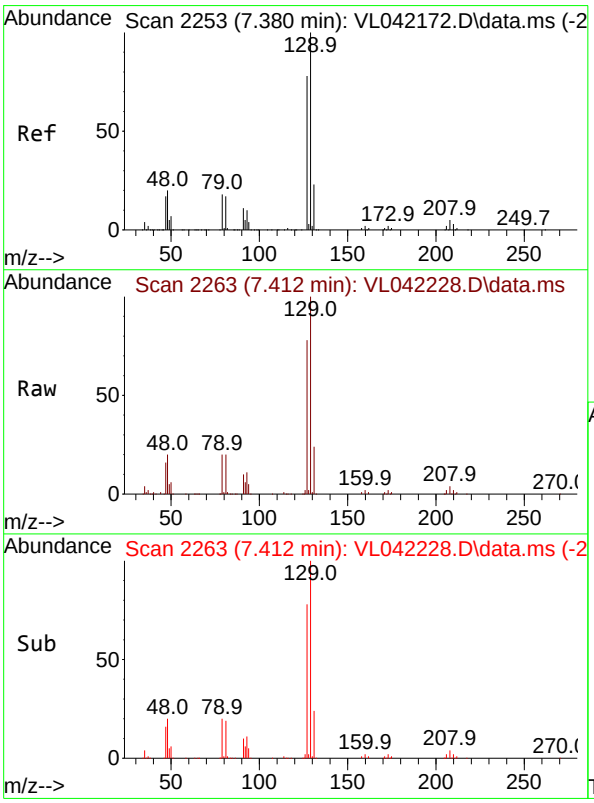
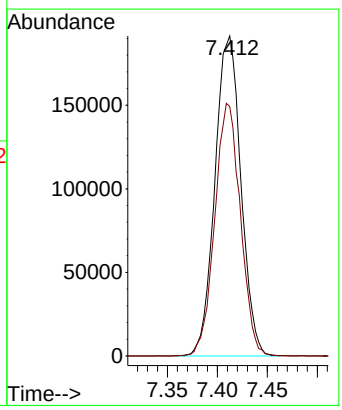
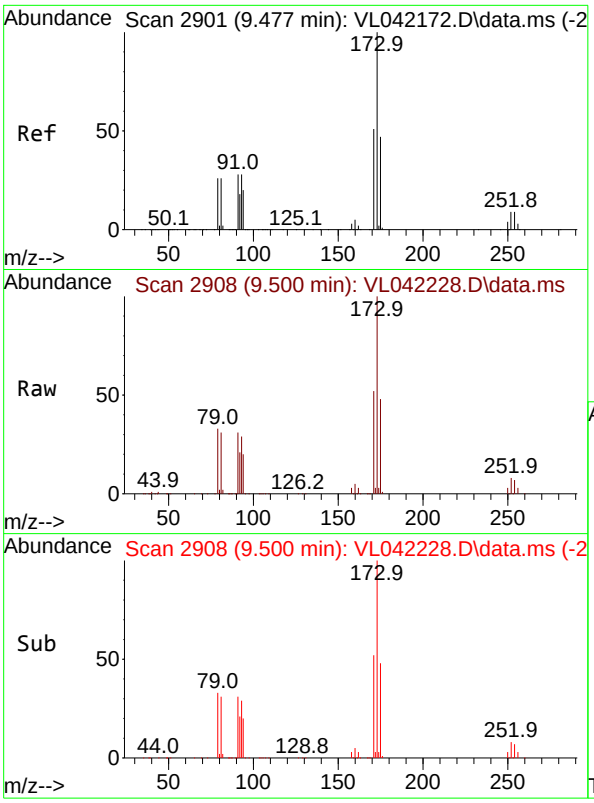


#48
Dibromochloromethane
Concen: 10.438 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.032 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:129 Resp: 346881

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2

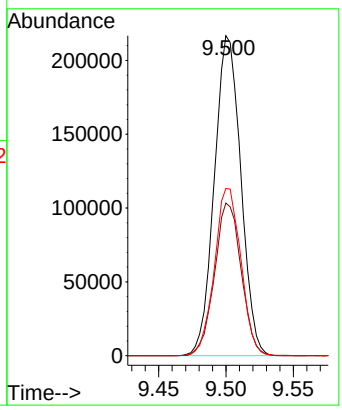




#49
Bromoform
Concen: 9.932 ppbv
RT: 9.500 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:173 Resp: 29633

Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.6	57.8
171	52.2	41.8	62.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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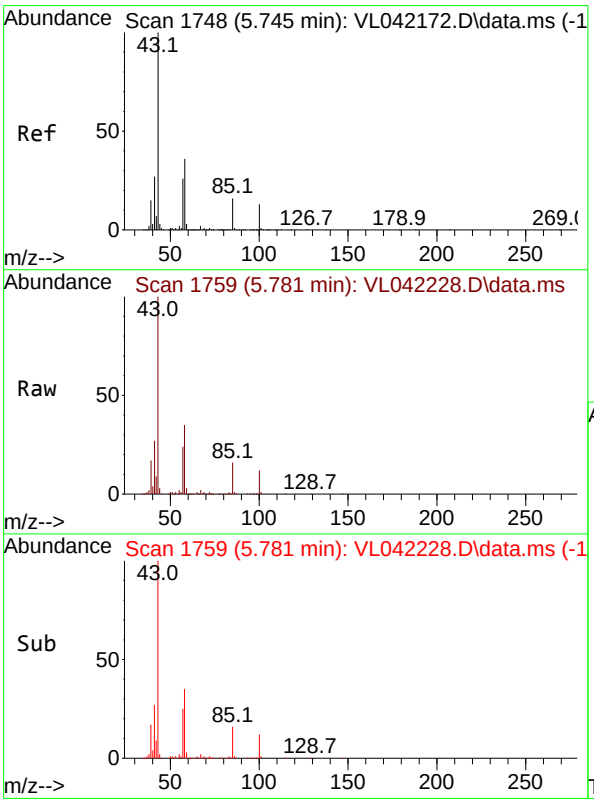
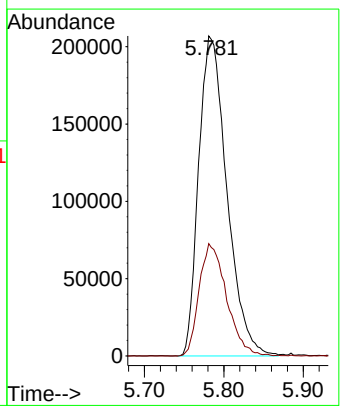
Supervised By :Mahesh Dadoda 04/09/2025

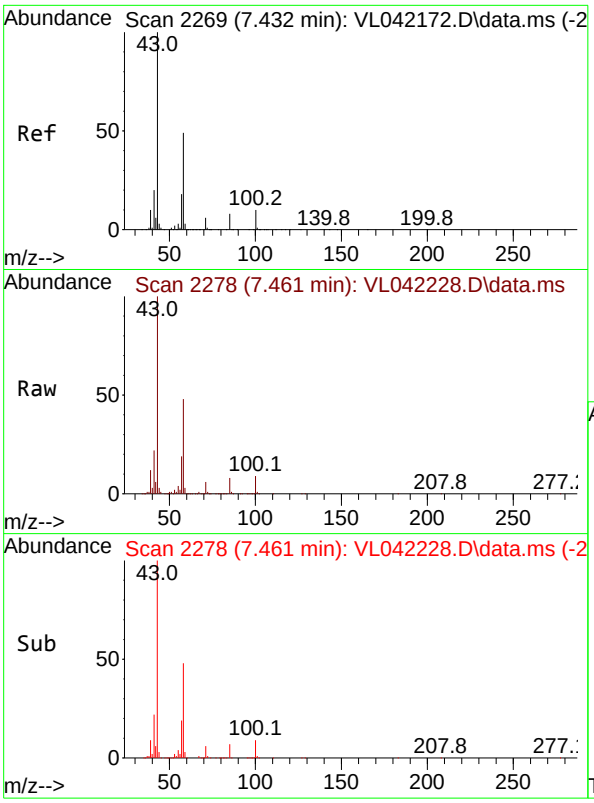


#50
4-Methyl-2-Pentanone
Concen: 8.665 ppbv
RT: 5.781 min Scan# 1759
Delta R.T. 0.036 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 511581

Ion	Ratio	Lower	Upper
43	100		
58	34.2	29.0	43.6





#51
2-Hexanone
Concen: 8.501 ppbv
RT: 7.461 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 41218

Ion	Ratio	Lower	Upper
43	100		
58	45.4	39.7	59.5
98	0.5	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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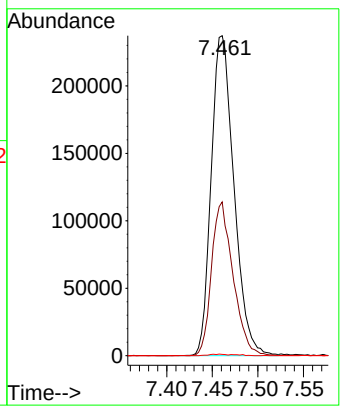
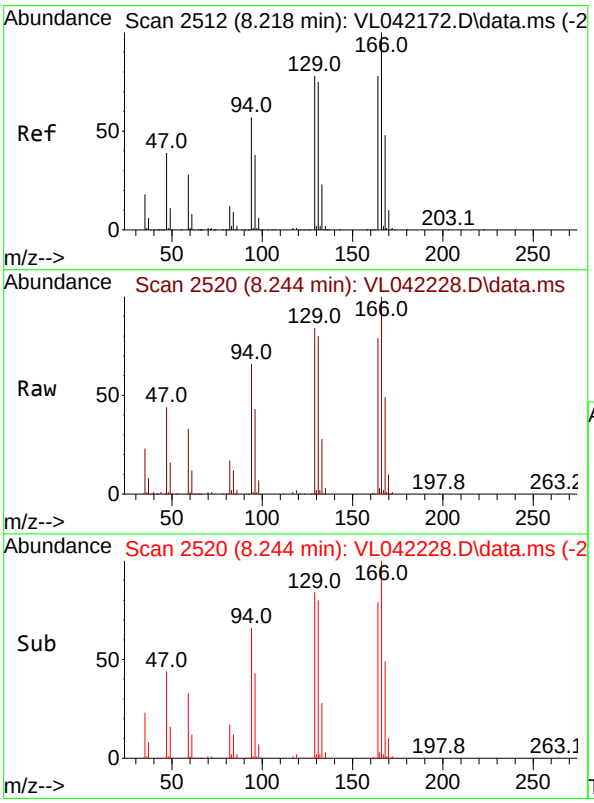
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

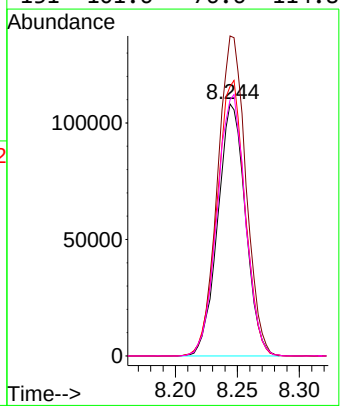


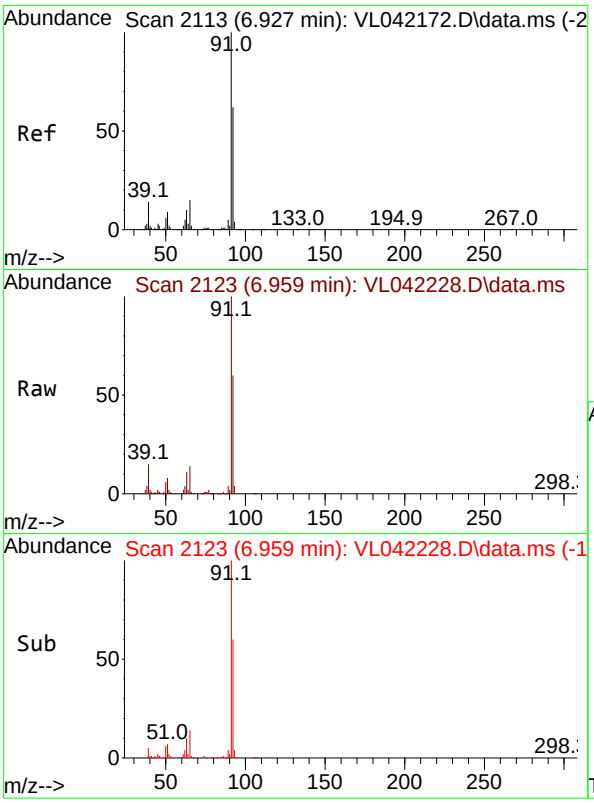


#52
Tetrachloroethene
Concen: 8.322 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:164 Resp: 168107

Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.5	153.7
129	106.9	79.8	119.8
131	101.6	76.6	114.8

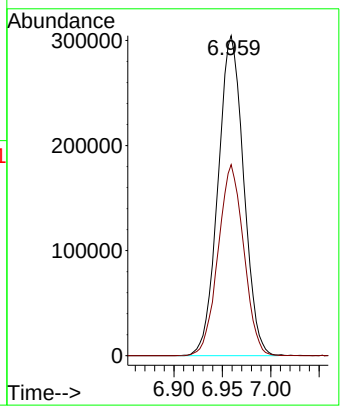




#53
Toluene
Concen: 9.286 ppbv
RT: 6.959 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 56066

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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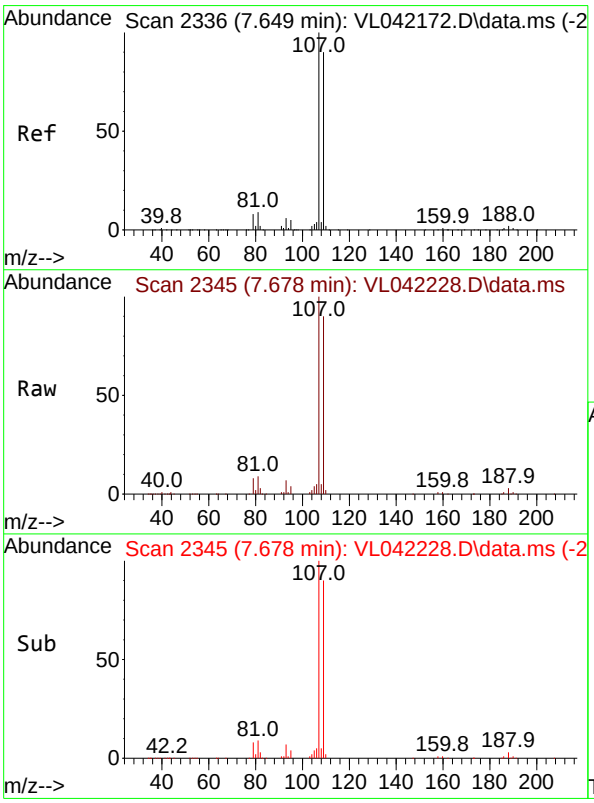
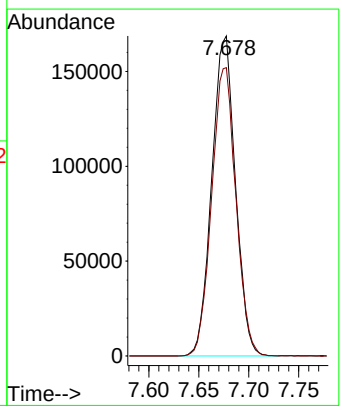
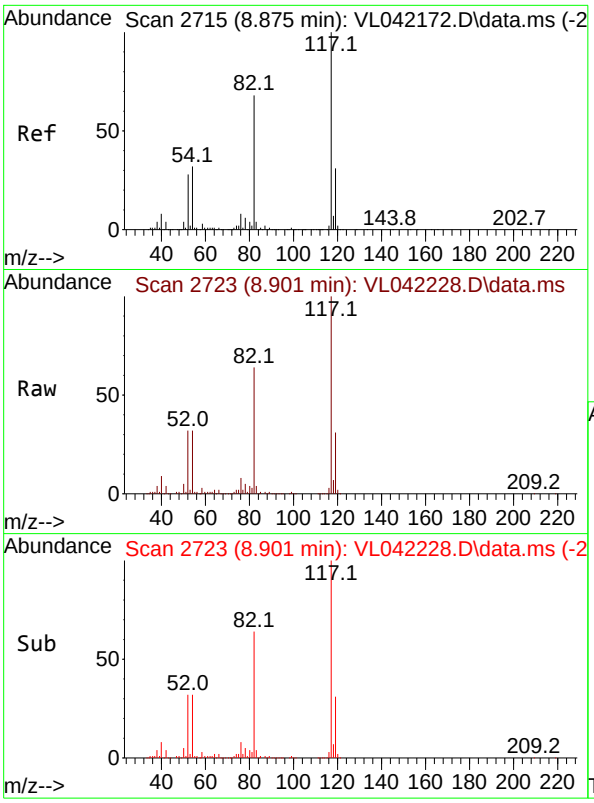


#54
1,2-Dibromoethane
Concen: 10.154 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:107 Resp: 277561

Ion	Ratio	Lower	Upper
107	100		
109	90.1	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:117 Resp: 46447

Ion	Ratio	Lower	Upper
117	100		
82	70.4	55.8	83.6
119	32.3	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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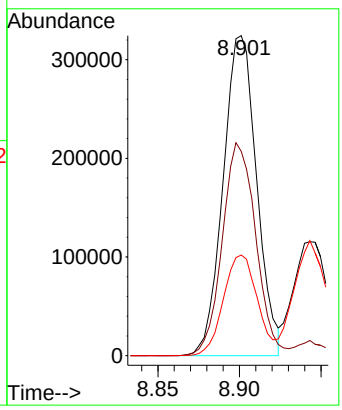
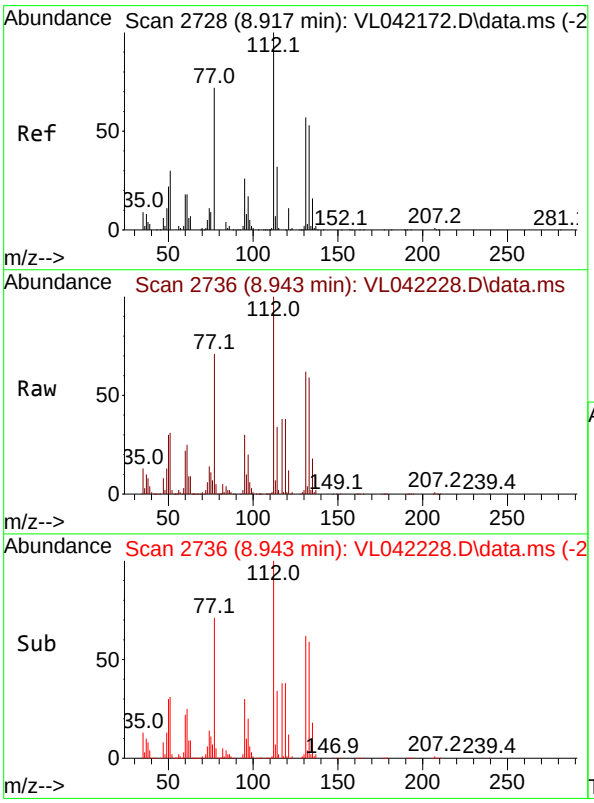
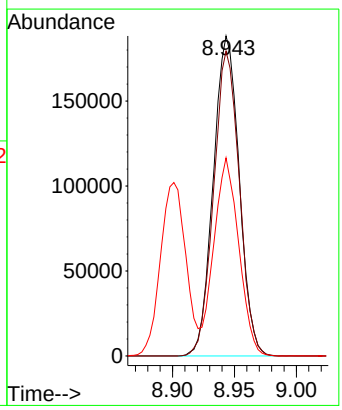


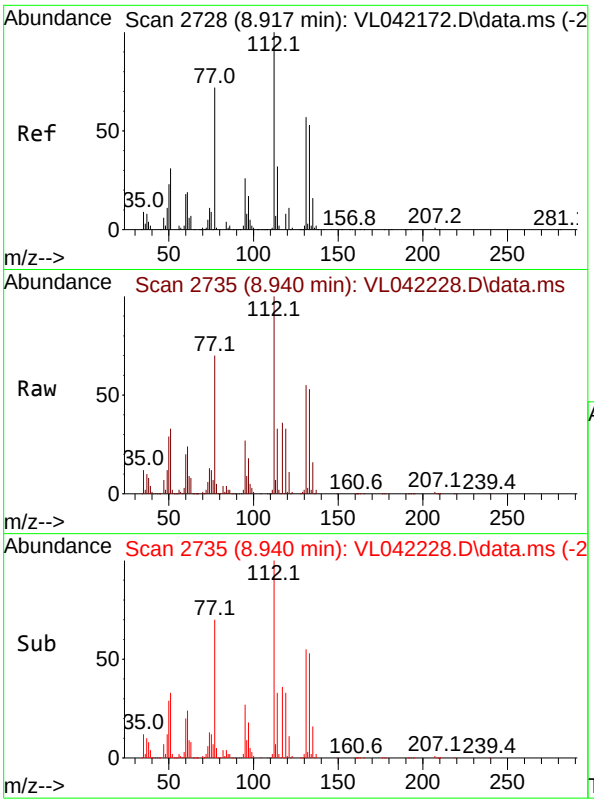


#56
1,1,1,2-Tetrachloroethane
Concen: 10.722 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:131 Resp: 274135

Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.6	114.8
119	61.1	49.8	74.6

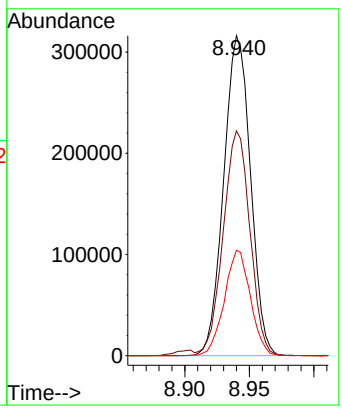




#57
Chlorobenzene
Concen: 10.368 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:112 Resp: 45678

Ion	Ratio	Lower	Upper
112	100		
77	69.9	58.2	87.2
114	32.9	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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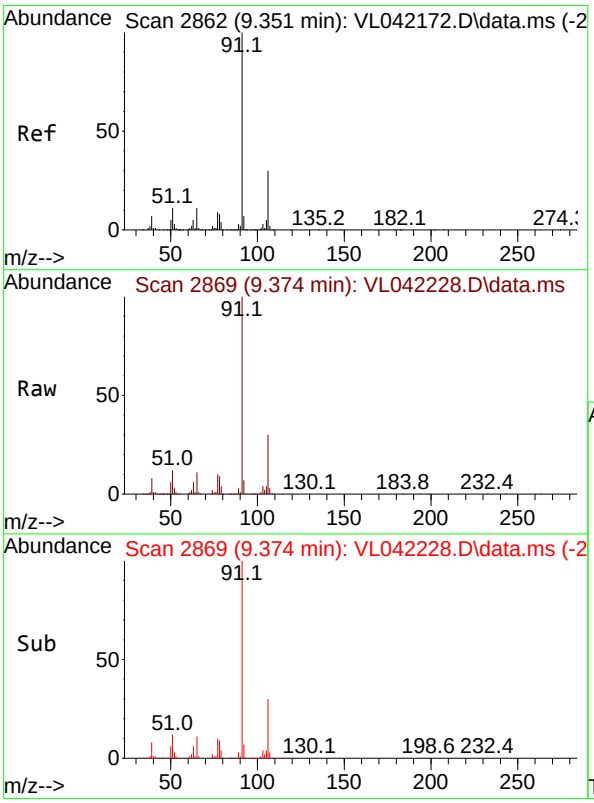
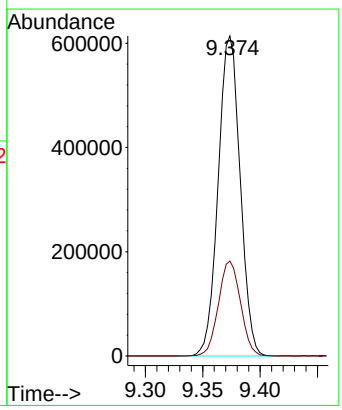
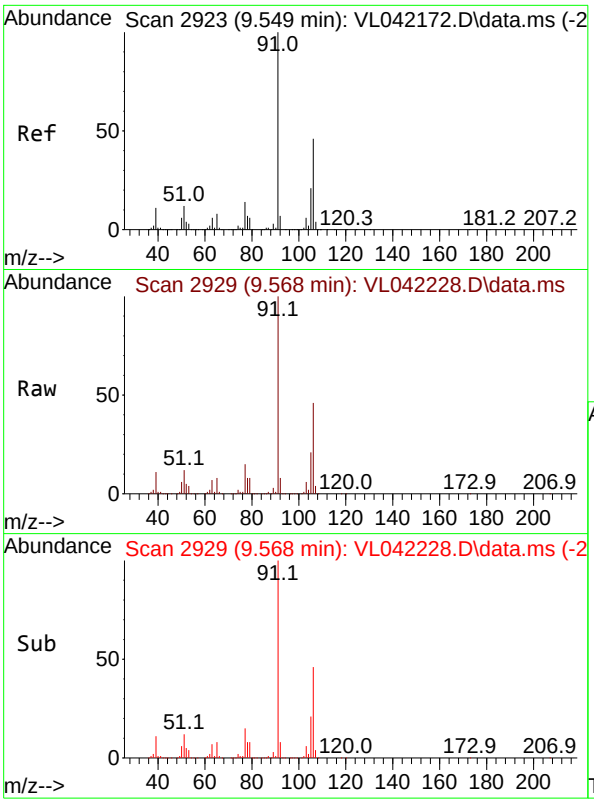


#58
Ethyl Benzene
Concen: 9.888 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 815771

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.2	36.2





#59
m/p-Xylene
Concen: 20.698 ppbv m
RT: 9.568 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 136356

Ion	Ratio	Lower	Upper
91	100		
106	45.4	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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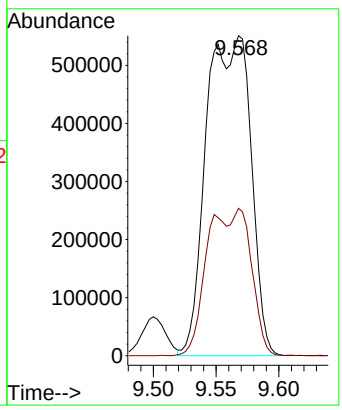
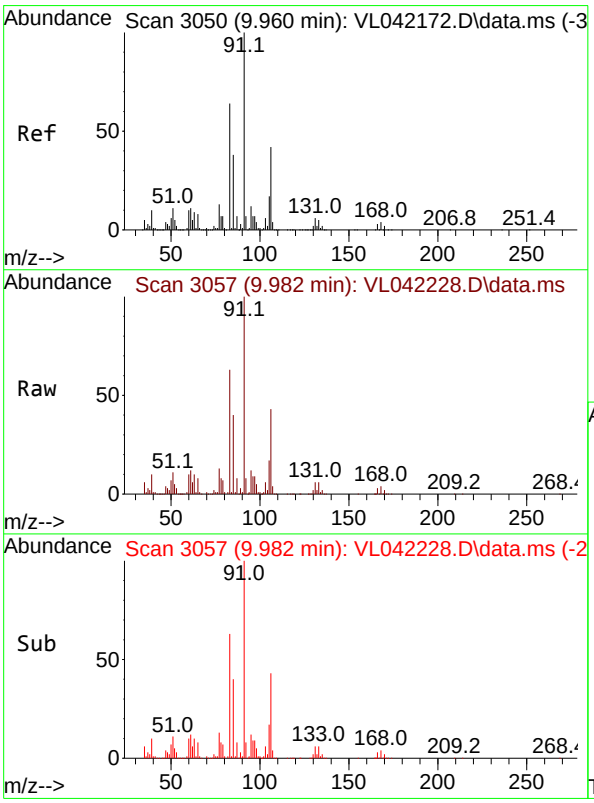
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

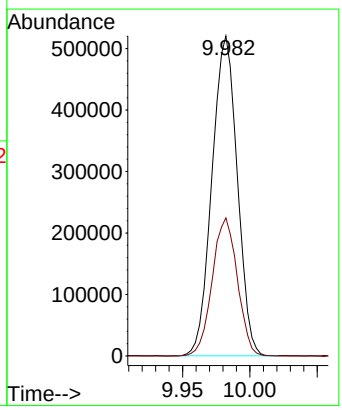


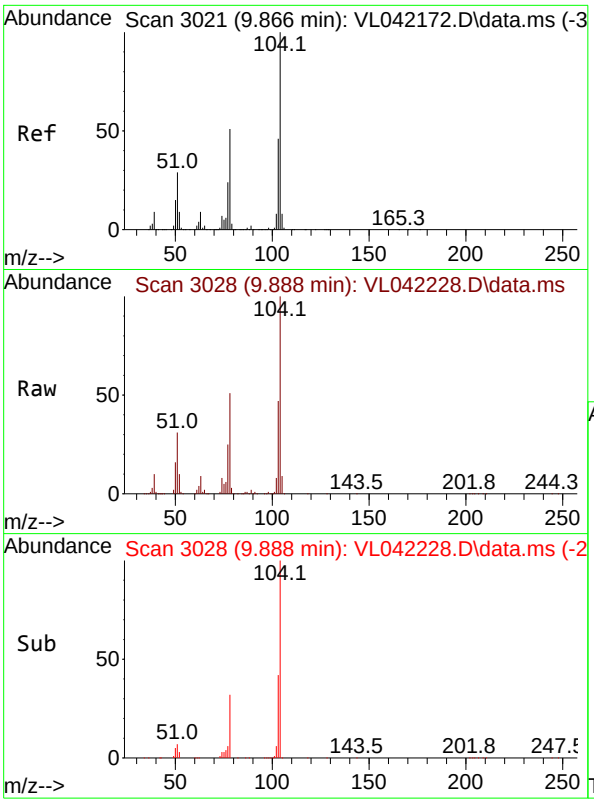


#60
o-Xylene
Concen: 10.284 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 679193

Ion	Ratio	Lower	Upper
91	100		
106	42.9	20.8	62.5

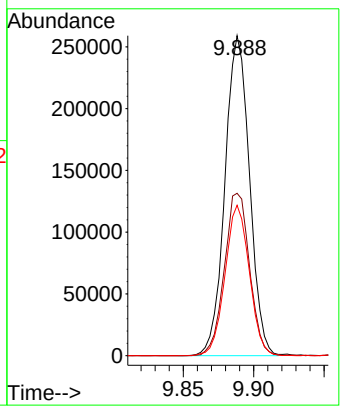




#61
Styrene
Concen: 9.635 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:104 Resp: 31480

Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.8	62.6
103	46.5	37.0	55.4



Instrument :
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ClientSampleId :
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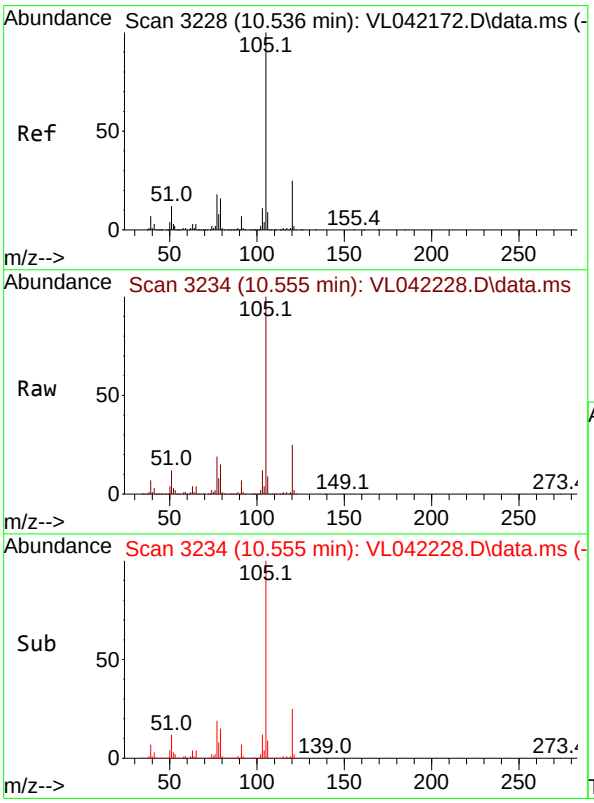
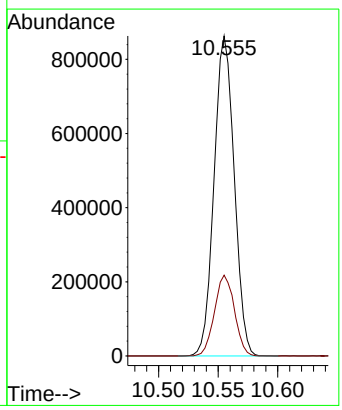
Supervised By :Mahesh Dadoda 04/09/2025

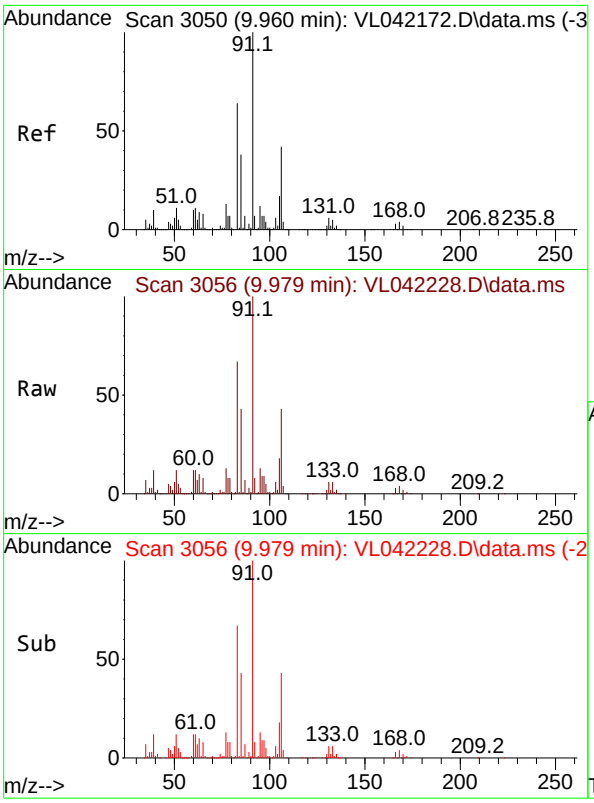


#62
Isopropylbenzene
Concen: 10.265 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 1013803

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 10.651 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 83 Resp: 42740

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.3	32.5	97.5

Instrument :
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ClientSampleId :
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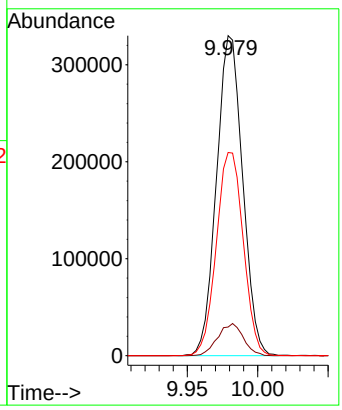
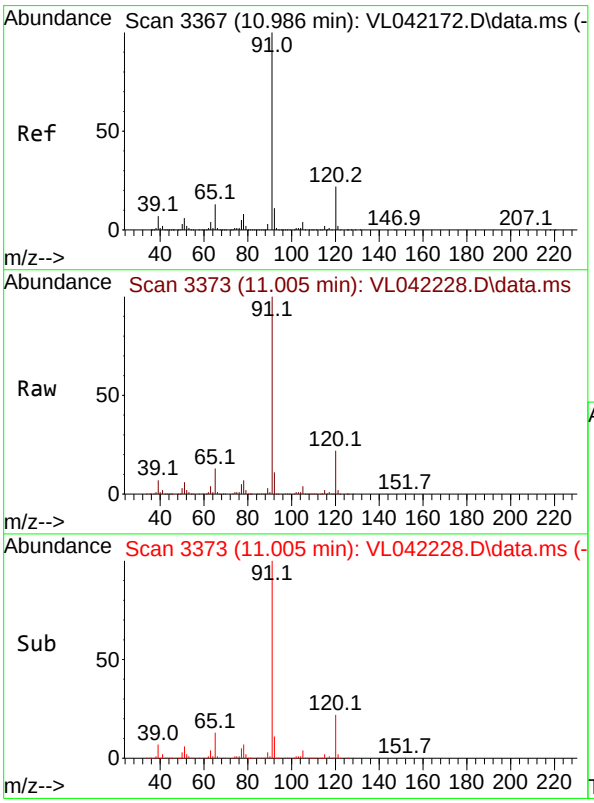
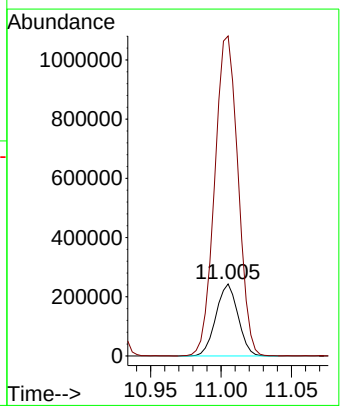


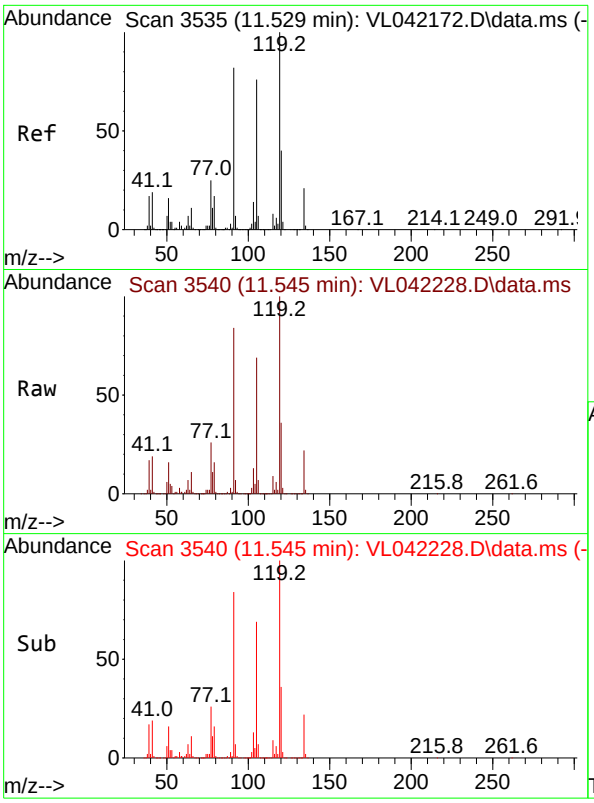


#64
n-propylbenzene
Concen: 10.429 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:120 Resp: 265137

Ion	Ratio	Lower	Upper
120	100		
91	469.5	376.9	565.3

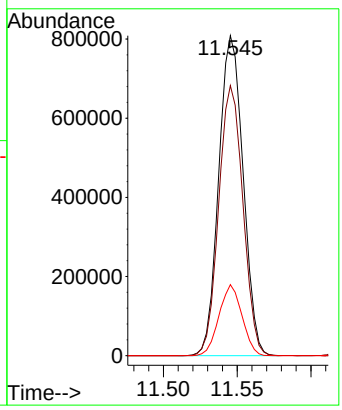




#65
tert-Butylbenzene
Concen: 10.171 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:119 Resp: 92898

Ion	Ratio	Lower	Upper
119	100		
91	83.8	66.0	99.0
134	20.9	16.7	25.1



Instrument :
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ClientSampleId :
VSTDCCC010

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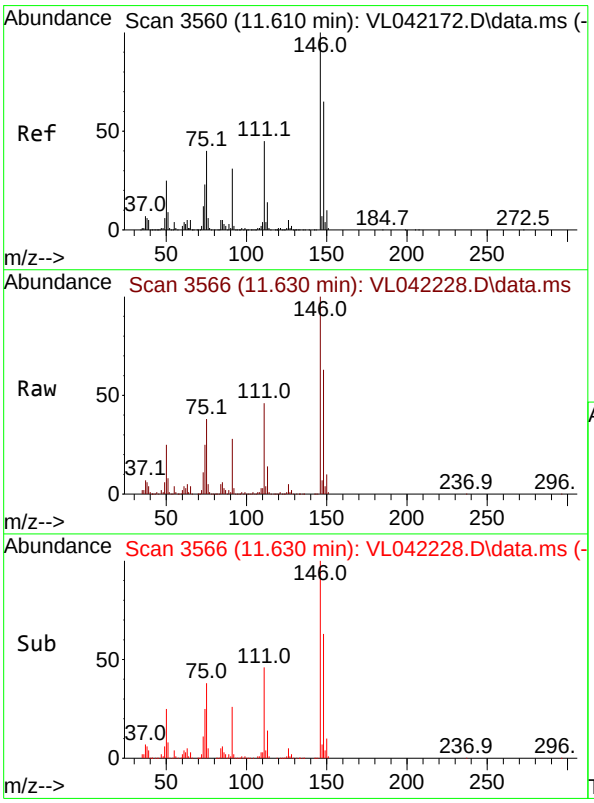
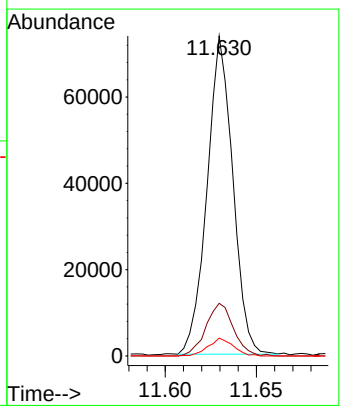
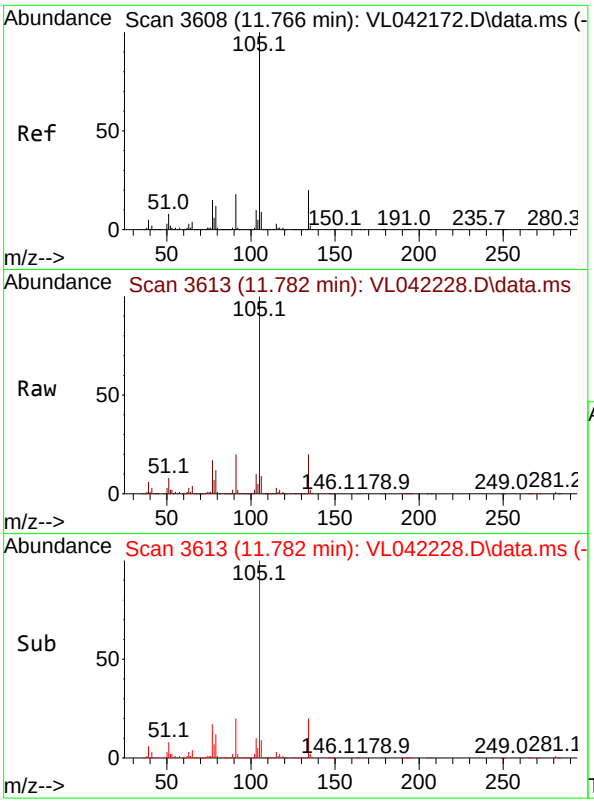


#66
Benzyl Chloride
Concen: 7.452 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 72224

Ion	Ratio	Lower	Upper
91	100		
126	17.8	13.8	20.6
128	5.5	4.5	6.7





#67
sec-Butylbenzene
Concen: 10.229 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 129864

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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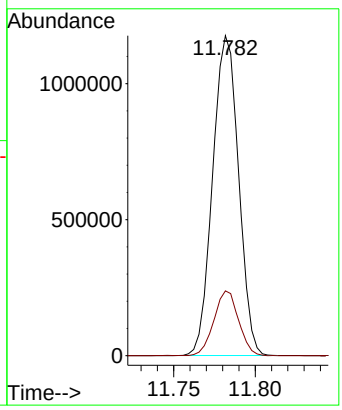
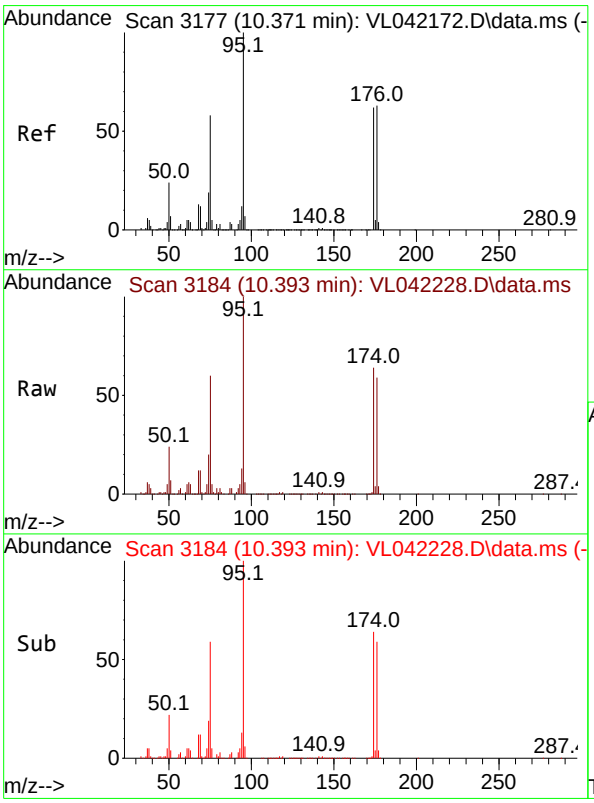
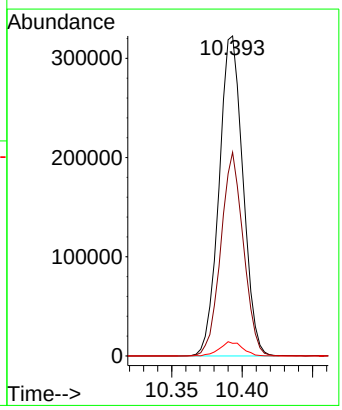


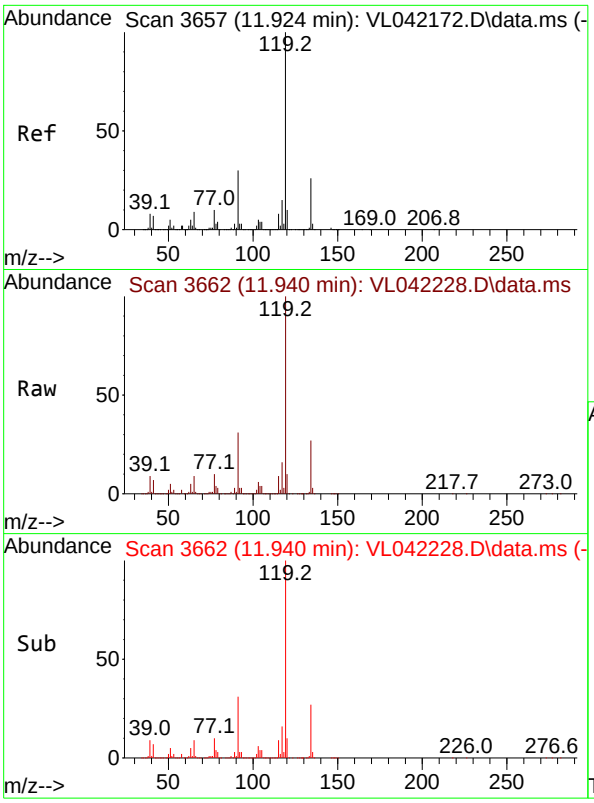


#68
1-Bromo-4-Fluorobenzene
Concen: 9.971 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 95 Resp: 380328

Ion	Ratio	Lower	Upper
95	100		
174	60.5	50.6	76.0
175	4.3	3.8	5.6

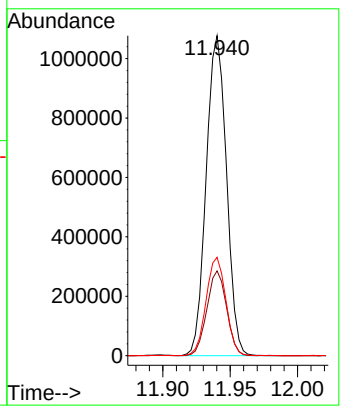




#69
p-Isopropyltoluene
Concen: 10.324 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:119 Resp: 112859

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	30.1	23.7	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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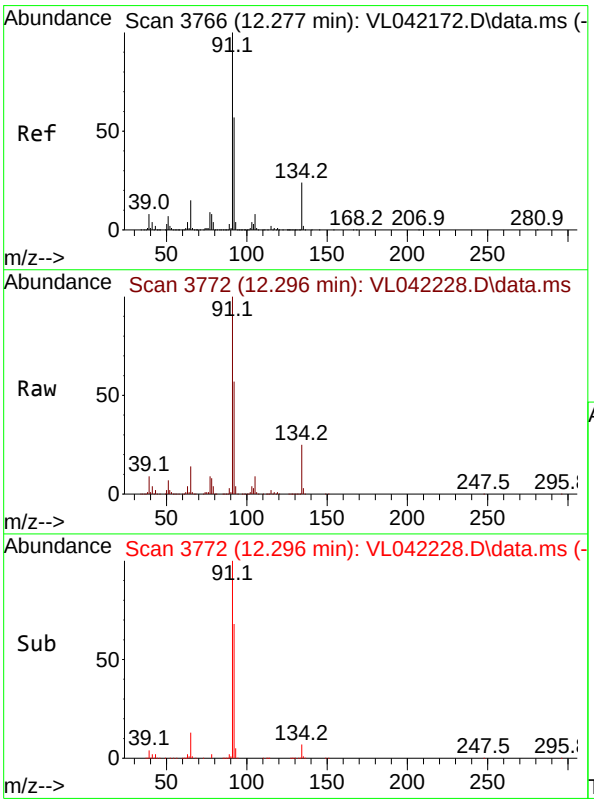
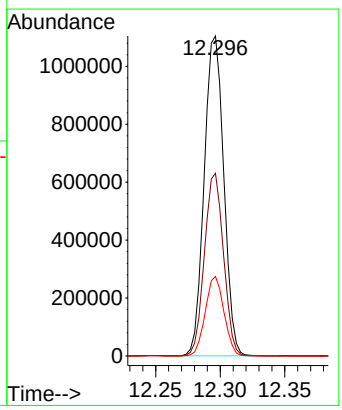
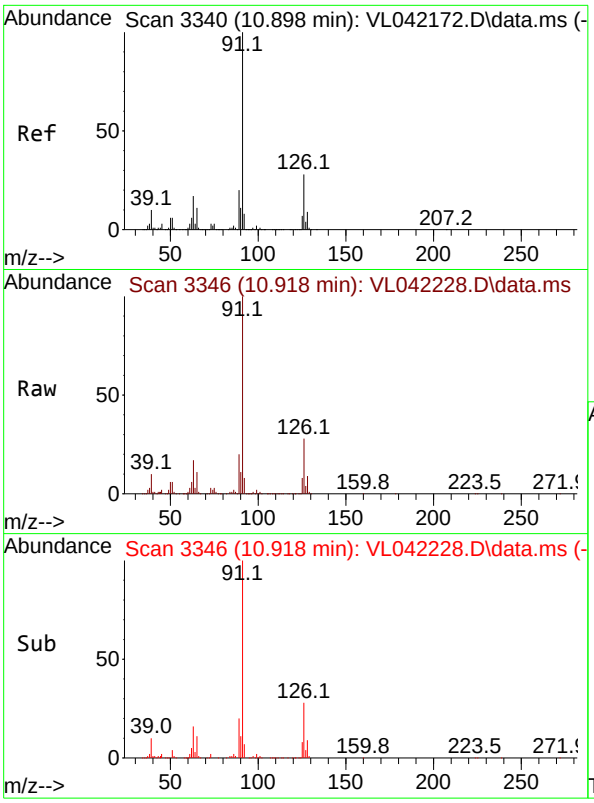


#70
n-Butylbenzene
Concen: 10.428 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 1165845

Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.9	67.3
134	23.7	19.2	28.8

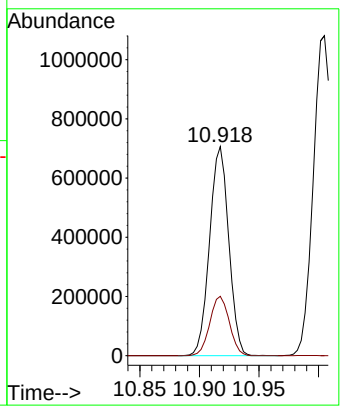




#71
2-Chlorotoluene
Concen: 10.274 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 78752

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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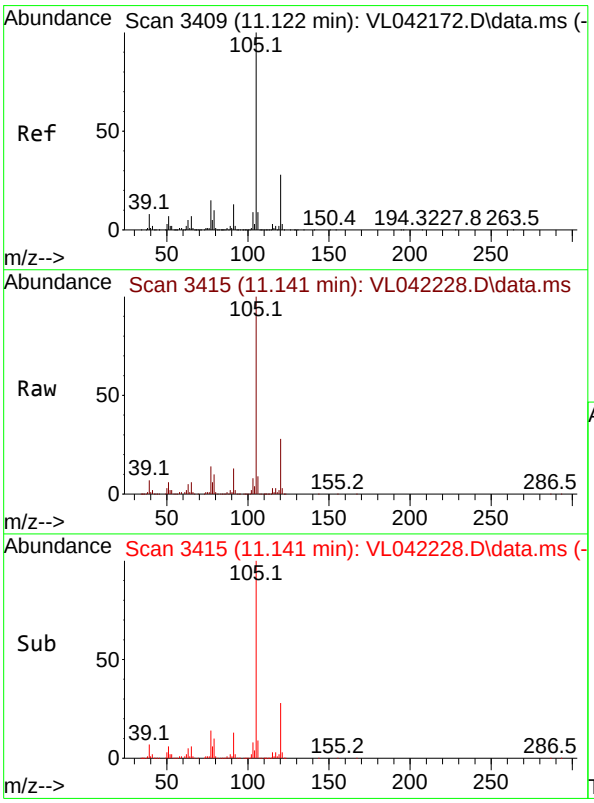
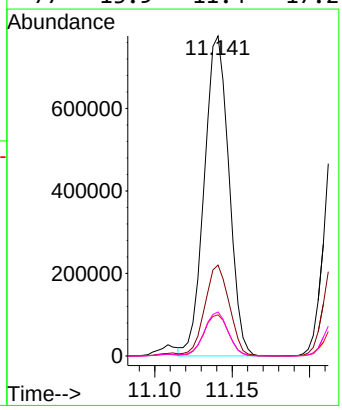
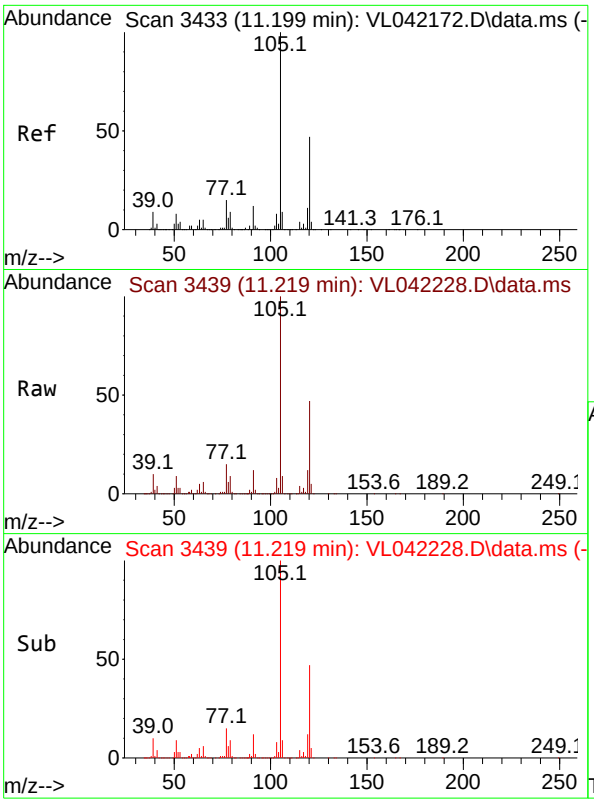


#72
4-Ethyltoluene
Concen: 10.422 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 857021

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.4	35.0
91	13.4	10.3	15.5
77	13.9	11.4	17.2

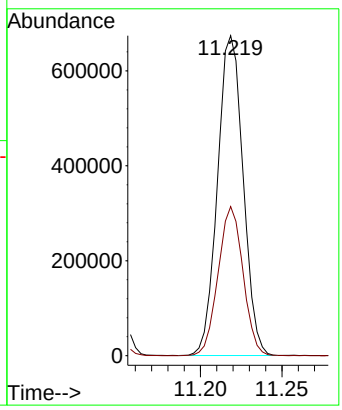




#73
1,3,5-Trimethylbenzene
Concen: 10.239 ppbv
RT: 11.219 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 73530

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.4	56.0



Instrument :
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ClientSampleId :
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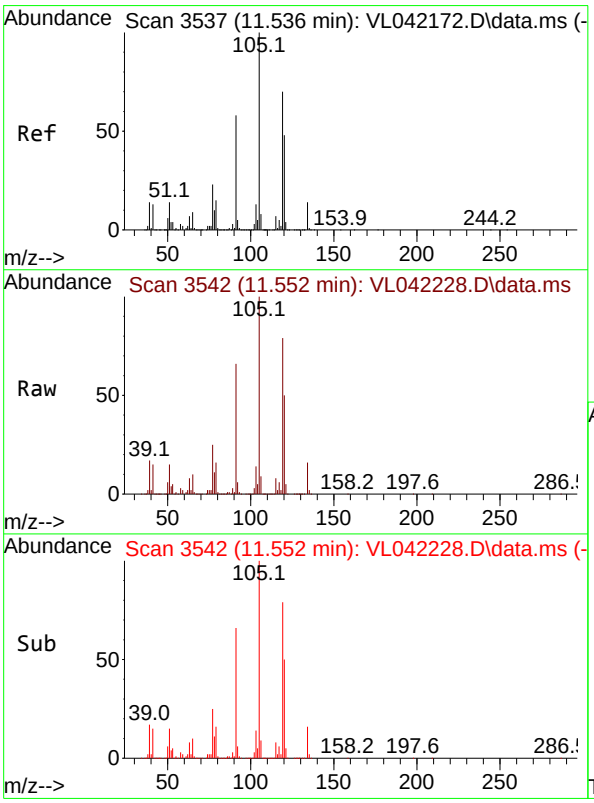
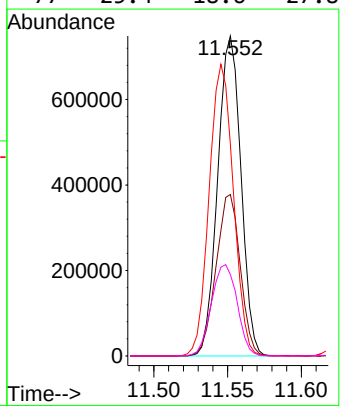
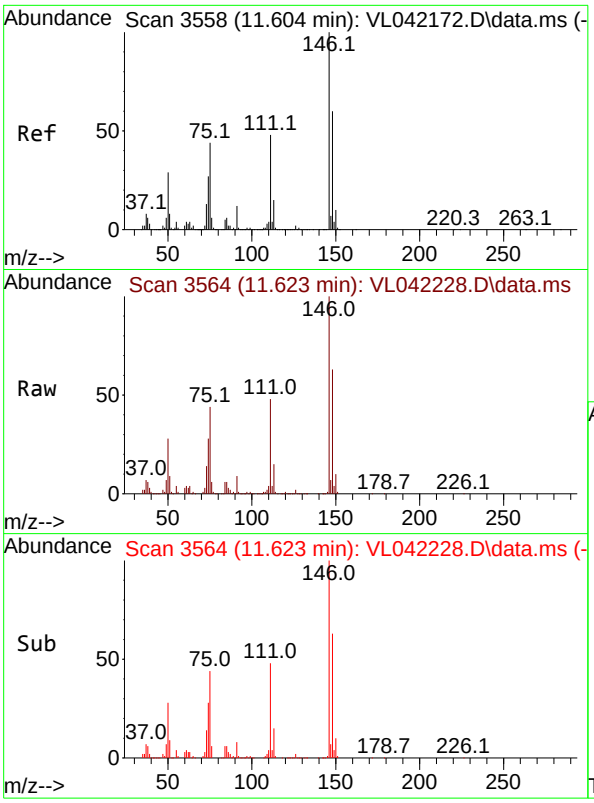


#74
1,2,4-Trimethylbenzene
Concen: 9.935 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 821957

Ion	Ratio	Lower	Upper
105	100		
120	50.5	38.6	58.0
91	66.2	46.2	69.2
77	25.4	18.6	27.8

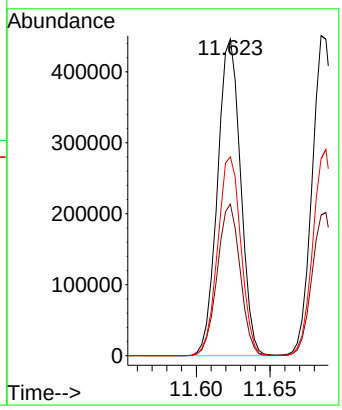




#75
1,3-Dichlorobenzene
Concen: 10.703 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:146 Resp: 48566

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.1	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
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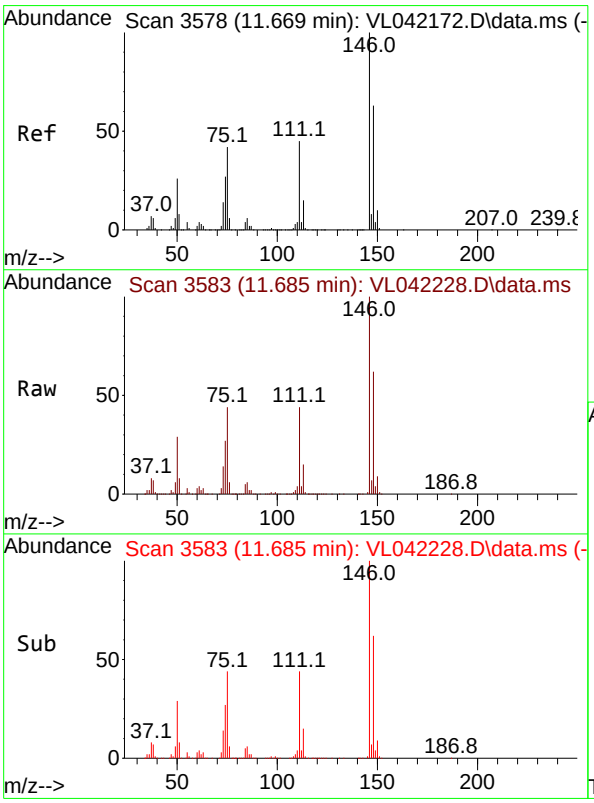
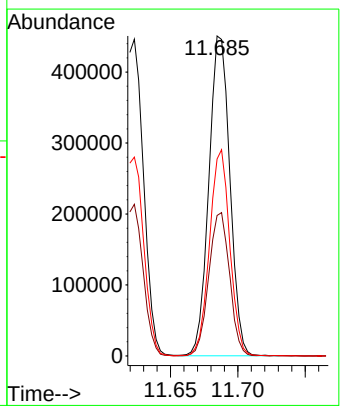
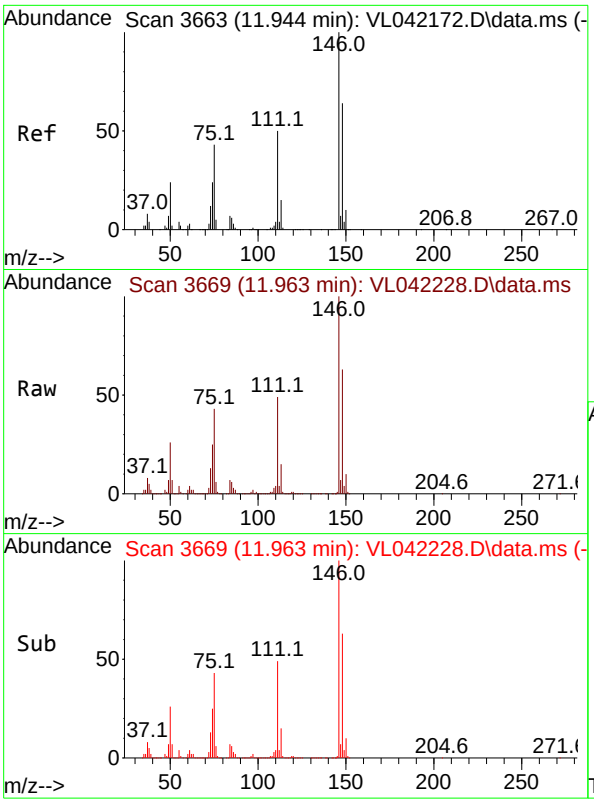


#76
1,4-Dichlorobenzene
Concen: 10.821 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:146 Resp: 488661

Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.0	69.0
148	62.4	31.9	95.7

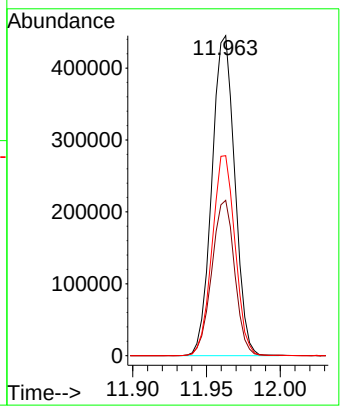




#77
1,2-Dichlorobenzene
Concen: 10.873 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:146 Resp: 48037

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.8	74.3
148	62.9	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
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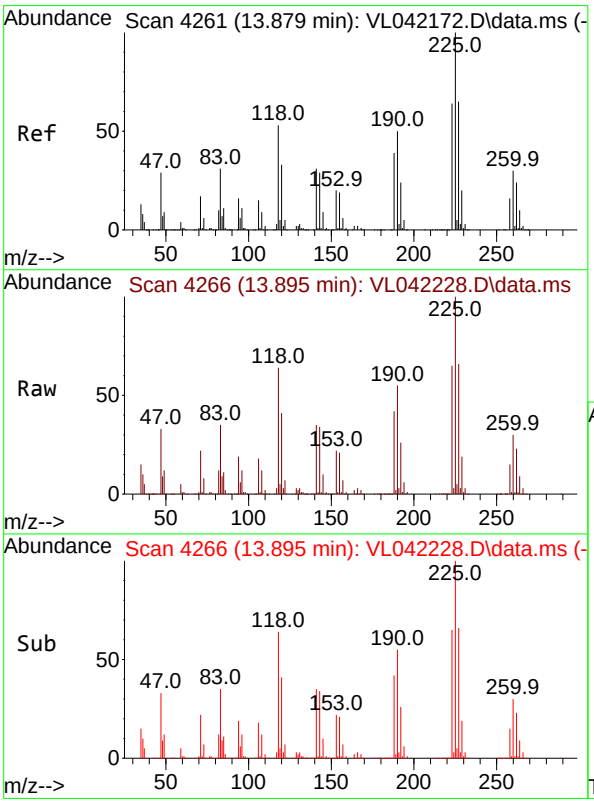
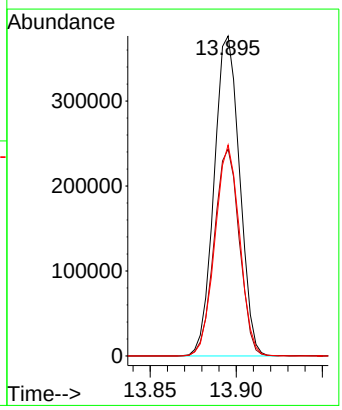
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

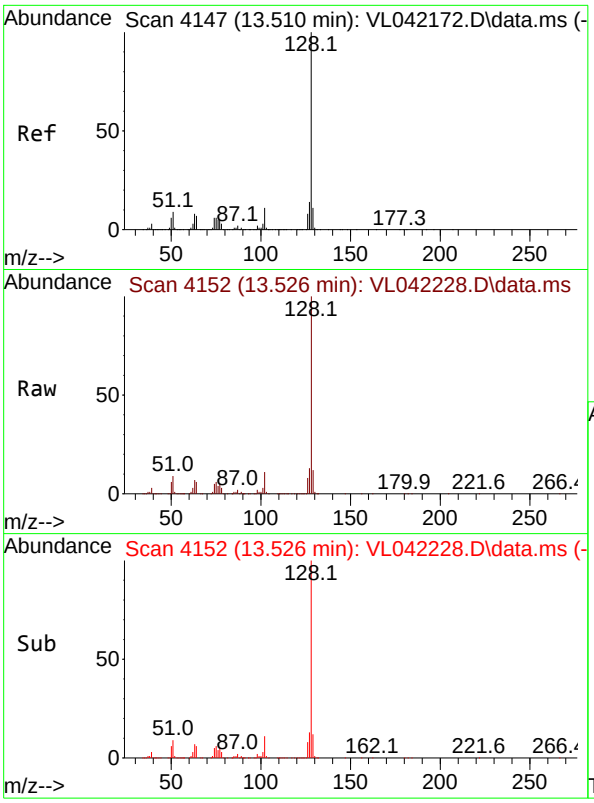


#78
Hexachloro-1,3-Butadiene
Concen: 8.646 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:225 Resp: 388827

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	63.9	51.2	76.8

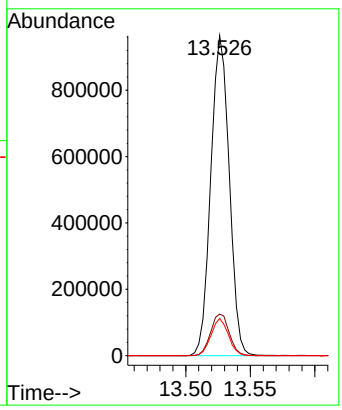




#79
Naphthalene
Concen: 10.570 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:128 Resp: 95659

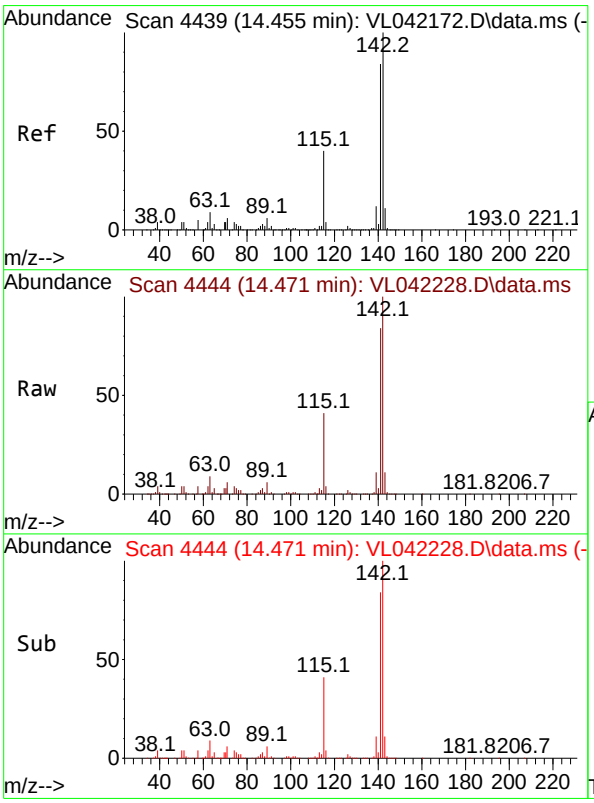
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.6	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

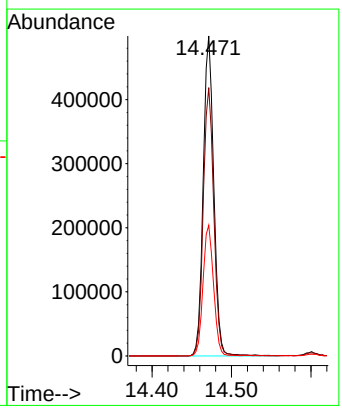
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

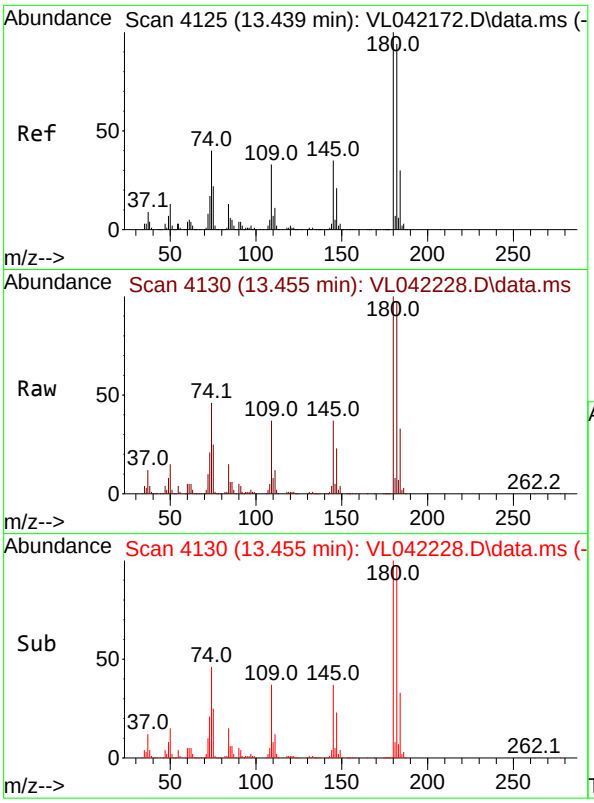


#80
Naphthalene,2-methyl-
Concen: 10.419 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:142 Resp: 462373

Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.3	99.5
115	41.1	31.6	47.4

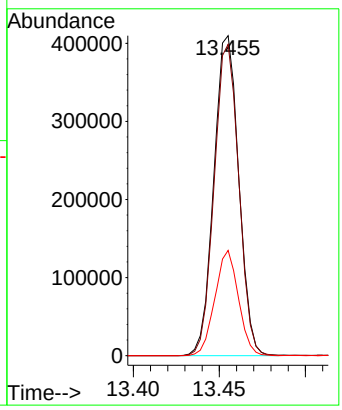




#81
1,2,4-Trichlorobenzene
Concen: 9.886 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:180 Resp: 41267

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.1	112.7
184	31.1	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 08 01:50:24 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	102	0.02
2	T	Dichlorodifluoromethane	1.476	1.435	2.8	104	0.00
3		Chlorodifluoromethane	1.508	1.438	4.6	100	0.00
4		Chloromethane	0.603	0.582	3.5	104	0.00
5	T	Vinyl Chloride	0.639	0.535	16.3	99	0.00
6	T	Bromomethane	0.273	0.251	8.1	100	0.00
7		Chloroethane	0.242	0.217	10.3	97	0.00
8	T	Dichlorotetrafluoroethane	1.257	1.211	3.7	102	0.00
9	T	Propene	0.691	0.543	21.4	84	0.00
10	T	Heptane	1.839	1.613	12.3	92	0.04
11	T	Trichlorofluoromethane	1.437	1.374	4.4	105	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.181	1.102	6.7	100	0.01
13		Ethanol	0.065	0.033#	49.2#	116	0.00
14	T	Bromoethene	0.452	0.383	15.3	94	0.00
15	T	Acetone	1.399	1.206	13.8	110	0.00
16	T	1,3-Butadiene	0.683	0.575	15.8	102	0.00
17		tert-Butyl alcohol	1.742	1.479	15.1	93	0.01
18	T	1,1-Dichloroethene	0.552	0.495	10.3	100	0.01
19	T	Isopropyl Alcohol	0.789	0.694	12.0	101	0.00
20	T	Methylene Chloride	0.521	0.422	19.0	98	0.00
21	T	Allyl Chloride	0.986	0.882	10.5	100	0.01
22	T	trans-1,2-Dichloroethene	0.638	0.555	13.0	96	0.01
23	T	Vinyl Acetate	0.605	0.514	15.0	105	0.01
24	T	1,1-Dichloroethane	1.183	1.103	6.8	100	0.01
25	T	Ethyl Acetate	3.630	3.319	8.6	98	0.02
26	T	Hexane	1.402	1.268	9.6	97	0.02
27	T	Carbon Disulfide	1.503	1.376	8.4	98	0.01
28	T	Methyl tert-Butyl Ether	0.873	0.763	12.6	94	0.01
29	T	Chloroform	2.052	2.088	-1.8	110	0.02
30	T	Cyclohexane	1.217	1.073	11.8	94	0.02
31	T	cis-1,2-Dichloroethene	1.423	1.293	9.1	96	0.02
32	T	1,1,1-Trichloroethane	2.349	2.152	8.4	106	0.02
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.03
34	T	2-Butanone	0.725	0.698	3.7	99	0.02
35	T	Carbon Tetrachloride	0.781	0.829	-6.1	111	0.02
36	T	Benzene	0.991	0.955	3.6	96	0.02
37	T	1,2-Dichloroethane	0.568	0.611	-7.6	107	0.02
38	T	Trichloroethene	0.414	0.393	5.1	99	0.03
39	T	1,2-Dichloropropane	0.361	0.342	5.3	96	0.03
40	T	1,4-Dioxane	0.192	0.169	12.0	94	0.03
41	T	Tetrahydrofuran	0.418	0.388	7.2	92	0.02
42	T	Bromodichloromethane	0.782	0.839	-7.3	103	0.03
43		Methyl Methacrylate	0.420	0.361	14.0	85	0.04
44	T	2,2,4-Trimethylpentane	1.675	1.606	4.1	94	0.03
45	T	t-1,3-Dichloropropene	0.450	0.393	12.7	84	0.04
46	T	cis-1,3-Dichloropropene	0.552	0.491	11.1	84	0.04
47	T	1,1,2-Trichloroethane	0.382	0.391	-2.4	101	0.04
48	T	Dibromochloromethane	0.647	0.675	-4.3	100	0.03

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Apr 08 01:50:24 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	0.577	0.7	93	0.02
50	T	4-Methyl-2-Pentanone	1.149	0.996	13.3	91	0.04
51	T	2-Hexanone	0.944	0.802	15.0	90	0.03
52	T	Tetrachloroethene	0.393	0.327	16.8	90	0.03
53	T	Toluene	1.175	1.091	7.1	91	0.03
54	T	1,2-Dibromoethane	0.532	0.540	-1.5	100	0.03
55	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.03
56		1,1,1,2-Tetrachloroethane	0.550	0.590	-7.3	103	0.03
57	T	Chlorobenzene	0.949	0.983	-3.6	101	0.02
58	T	Ethyl Benzene	1.776	1.756	1.1	94	0.02
59	T	m/p-Xylene	1.418	1.468	-3.5	99	0.02
60	T	o-Xylene	1.422	1.462	-2.8	98	0.02
61	T	Styrene	0.703	0.678	3.6	89	0.02
62		Isopropylbenzene	2.126	2.183	-2.7	99	0.02
63	T	1,1,2,2-Tetrachloroethane	0.864	0.920	-6.5	103	0.02
64		n-propylbenzene	0.547	0.571	-4.4	102	0.02
65		tert-Butylbenzene	1.966	2.000	-1.7	103	0.02
66	T	Benzyl Chloride	0.209	0.155	25.8	69	0.02
67		sec-Butylbenzene	2.733	2.796	-2.3	104	0.02
68	S	1-Bromo-4-Fluorobenzene	0.821	0.819	0.2	90	0.02
69		p-Isopropyltoluene	2.354	2.430	-3.2	105	0.02
70		n-Butylbenzene	2.407	2.510	-4.3	105	0.02
71		2-Chlorotoluene	1.650	1.696	-2.8	99	0.02
72	T	4-Ethyltoluene	1.770	1.845	-4.2	101	0.02
73	T	1,3,5-Trimethylbenzene	1.546	1.583	-2.4	102	0.02
74	T	1,2,4-Trimethylbenzene	1.781	1.770	0.6	105	0.02
75	T	1,3-Dichlorobenzene	0.977	1.046	-7.1	106	0.02
76	T	1,4-Dichlorobenzene	0.972	1.052	-8.2	106	0.02
77	T	1,2-Dichlorobenzene	0.951	1.034	-8.7	109	0.02
78	T	Hexachloro-1,3-Butadiene	0.968	0.837	13.5	93	0.02
79	T	Naphthalene	1.948	2.060	-5.7	102	0.02
80	T	Naphthalene,2-methyl-	0.955	0.995	-4.2	90	0.02
81	T	1,2,4-Trichlorobenzene	0.899	0.888	1.2	92	0.02

(#) = 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: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG No.: Q1725

Instrument ID: MSVOA_L Calibration Date/Time: 04/08/2025 08:39

Lab File ID: VL042253.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.476	1.419		-3.86	30
Chloromethane	0.603	0.587		-2.65	30
Vinyl Chloride	0.639	0.552		-13.61	30
Bromomethane	0.273	0.248		-9.16	30
Chloroethane	0.242	0.223		-7.85	30
Tetrahydrofuran	0.418	0.421		0.72	30
Trichlorofluoromethane	1.437	1.367		-4.87	30
1,1,2-Trichlorotrifluoroethane	1.181	1.059		-10.33	30
Dichlorotetrafluoroethane	1.257	1.201		-4.45	30
tert-Butyl alcohol	1.742	1.370		-21.35	30
Heptane	1.839	1.736		-5.6	30
1,1-Dichloroethene	0.552	0.464		-15.94	30
Acetone	1.399	1.213		-13.3	30
Carbon Disulfide	1.503	1.317		-12.38	30
Methyl tert-Butyl Ether	0.873	0.705		-19.24	30
Methylene Chloride	0.521	0.408		-21.69	30
trans-1,2-Dichloroethene	0.638	0.551		-13.64	30
1,1-Dichloroethane	1.183	1.114		-5.83	30
Cyclohexane	1.217	1.075		-11.67	30
2-Butanone	0.725	0.757		4.41	30
Carbon Tetrachloride	0.781	0.854		9.35	30
cis-1,2-Dichloroethene	1.423	1.295		-8.99	30
Chloroform	2.052	2.115		3.07	30
1,1,1-Trichloroethane	2.349	2.094		-10.86	30
2,2,4-Trimethylpentane	1.675	1.790		6.87	30
Benzene	0.991	1.038		4.74	30
1,2-Dichloroethane	0.568	0.631		11.09	30
Trichloroethene	0.414	0.415		0.24	30
1,2-Dichloropropane	0.361	0.379		4.99	30
Bromodichloromethane	0.782	0.879		12.4	30
4-Methyl-2-Pentanone	1.149	1.094		-4.79	30
Toluene	1.175	1.158		-1.45	30
t-1,3-Dichloropropene	0.450	0.373		-17.11	30
cis-1,3-Dichloropropene	0.552	0.490		-11.23	30
1,1,2-Trichloroethane	0.382	0.420		9.95	30
Dibromochloromethane	0.647	0.697		7.73	30
1,2-Dibromoethane	0.532	0.567		6.58	30
Tetrachloroethene	0.393	0.348		-11.45	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: WOOD06

Lab Code: CHEM Case No.: Q1725 SAS No.: Q1725 SDG No.: Q1725

Instrument ID: MSVOA_L Calibration Date/Time: 04/08/2025 08:39

Lab File ID: VL042253.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	0.949	1.082		14.02	30
Ethyl Benzene	1.776	1.861		4.79	30
m/p-Xylene	1.418	1.579		11.35	30
o-Xylene	1.422	1.558		9.56	30
Styrene	0.703	0.701		-0.28	30
Bromoform	0.581	0.604		3.96	30
1,1,2,2-Tetrachloroethane	0.864	1.031		19.33	30
2-Chlorotoluene	1.650	1.805		9.39	30
1,3,5-Trimethylbenzene	1.546	1.713		10.8	30
1,2,4-Trimethylbenzene	1.781	1.899		6.63	30
1,3-Dichlorobenzene	0.977	1.132		15.86	30
1,4-Dichlorobenzene	0.972	1.131		16.36	30
1,2-Dichlorobenzene	0.951	1.126		18.4	30
1,2,4-Trichlorobenzene	0.899	0.952		5.89	30
Hexachloro-1,3-Butadiene	0.968	0.893		-7.75	30
1,3-Butadiene	0.683	0.590		-13.62	30
Naphthalene	1.948	2.164		11.09	30
4-Ethyltoluene	1.770	1.981		11.92	30
1-Bromo-4-Fluorobenzene	0.821	0.820		-0.12	30
Hexane	1.402	1.336		-4.71	30
Allyl Chloride	0.986	0.847		-14.1	30
1,4-Dioxane	191.626	180.303		-5.91	30
Methyl Methacrylate	0.420	0.390		-7.14	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\VL040825\
Data File : VL042253.D
Acq On : 08 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 09 01:50:44 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 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	192748	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	496271	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	446954	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	366722	9.991	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	273431	9.608	ppbv	99
3) Chlorodifluoromethane	1.483	51	290289	9.985	ppbv	99
4) Chloromethane	1.538	50	113157	9.729	ppbv	98
5) Vinyl Chloride	1.586	62	106450	8.637	ppbv	94
6) Bromomethane	1.674	94	47897	9.087	ppbv	99
7) Chloroethane	1.712	64	43021	9.215	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	231550	9.554	ppbv	93
9) Propene	1.489	41	107995	8.104	ppbv	98
10) Heptane	5.011	43	334651	9.441	ppbv	99
11) Trichlorofluoromethane	1.884	101	263560	9.518	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	204093	8.967	ppbv	96
13) Ethanol	1.729	45	5903	4.686	ppbv	92
14) Bromoethene	1.790	108	73578	8.438	ppbv	99
15) Acetone	1.842	43	233895	8.677	ppbv	96
16) 1,3-Butadiene	1.615	39	113699	8.637	ppbv	97
17) tert-Butyl alcohol	2.049	59	264061	7.865	ppbv	98
18) 1,1-Dichloroethene	2.043	96	89526	8.414	ppbv	96
19) Isopropyl Alcohol	1.894	45	131605	8.653	ppbv	98
20) Methylene Chloride	2.072	84	78560	7.825	ppbv	96
21) Allyl Chloride	2.107	41	163305	8.590	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	106297	8.643	ppbv	98
23) Vinyl Acetate	2.476	43	96990	8.313	ppbv #	97
24) 1,1-Dichloroethane	2.421	63	214800	9.422	ppbv	98
25) Ethyl Acetate	2.852	43	678925	9.704	ppbv	99
26) Hexane	2.839	57	257513	9.529	ppbv	97
27) Carbon Disulfide	2.159	76	253909	8.762	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	135921	8.078	ppbv	97
29) Chloroform	2.861	83	407591	10.306	ppbv	98
30) Cyclohexane	3.878	84	207216	8.831	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	249595	9.098	ppbv	95
32) 1,1,1-Trichloroethane	3.386	97	403665	8.915	ppbv	97
34) 2-Butanone	2.570	43	375791	10.443	ppbv	99
35) Carbon Tetrachloride	3.784	117	423863	10.934	ppbv	99
36) Benzene	3.677	78	514967	10.467	ppbv	98
37) 1,2-Dichloroethane	3.237	62	313194	11.119	ppbv	99
38) Trichloroethene	4.574	130	205933	10.032	ppbv	96
39) 1,2-Dichloropropane	4.341	63	188150	10.501	ppbv	93
40) 1,4-Dioxane	4.613	88	89479	9.409	ppbv #	96
41) Tetrahydrofuran	3.072	42	208736	10.073	ppbv	96
42) Bromodichloromethane	4.515	83	436058	11.230	ppbv	98
43) Methyl Methacrylate	4.910	69	193449	9.288	ppbv	99
44) 2,2,4-Trimethylpentane	4.664	57	888509	10.687	ppbv	97
45) t-1,3-Dichloropropene	6.451	75	184866	8.273	ppbv	93

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042253.D
Acq On : 08 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 09 01:50:44 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 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.635	75	243227	8.880	ppbv		97
47)	1,1,2-Trichloroethane	6.613	97	208553	11.011	ppbv		99
48)	Dibromochloromethane	7.415	129	346117	10.783	ppbv		99
49)	Bromoform	9.503	173	299582	10.395	ppbv		99
50)	4-Methyl-2-Pentanone	5.787	43	542853	9.519	ppbv		96
51)	2-Hexanone	7.464	43	433929	9.266	ppbv	#	96
52)	Tetrachloroethene	8.247	164	172915	8.862	ppbv		94
53)	Toluene	6.962	91	574664	9.853	ppbv		98
54)	1,2-Dibromoethane	7.681	107	281436	10.659	ppbv		96
56)	1,1,1,2-Tetrachloroethane	8.946	131	286554	11.647	ppbv		99
57)	Chlorobenzene	8.943	112	483780	11.411	ppbv		97
58)	Ethyl Benzene	9.377	91	831947	10.479	ppbv		99
59)	m/p-Xylene	9.571	91	1411551m	22.266	ppbv		
60)	o-Xylene	9.982	91	696371	10.958	ppbv		97
61)	Styrene	9.891	104	313307	9.965	ppbv		99
62)	Isopropylbenzene	10.558	105	1044218	10.988	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.982	83	460968	11.938	ppbv		99
64)	n-propylbenzene	11.005	120	279848	11.439	ppbv		98
65)	tert-Butylbenzene	11.549	119	945232	10.755	ppbv		100
66)	Benzyl Chloride	11.633	91	65203	6.992	ppbv		98
67)	sec-Butylbenzene	11.785	105	1343060	10.994	ppbv		100
69)	p-Isopropyltoluene	11.940	119	1144759	10.882	ppbv		100
70)	n-Butylbenzene	12.296	91	1194481	11.103	ppbv		99
71)	2-Chlorotoluene	10.918	91	806572	10.935	ppbv		99
72)	4-Ethyltoluene	11.141	105	885452	11.190	ppbv		99
73)	1,3,5-Trimethylbenzene	11.222	105	765708	11.080	ppbv		99
74)	1,2,4-Trimethylbenzene	11.555	105	848667	10.660	ppbv		99
75)	1,3-Dichlorobenzene	11.626	146	505824	11.584	ppbv		99
76)	1,4-Dichlorobenzene	11.688	146	505562	11.634	ppbv		99
77)	1,2-Dichlorobenzene	11.963	146	503274	11.837	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.895	225	399147	9.223	ppbv		99
79)	Naphthalene	13.529	128	967317	11.108	ppbv		99
80)	Naphthalene,2-methyl-	14.475	142	457943	10.723	ppbv		98
81)	1,2,4-Trichlorobenzene	13.455	180	425466	10.592	ppbv		99

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

Quantitation Report (QT Reviewed)

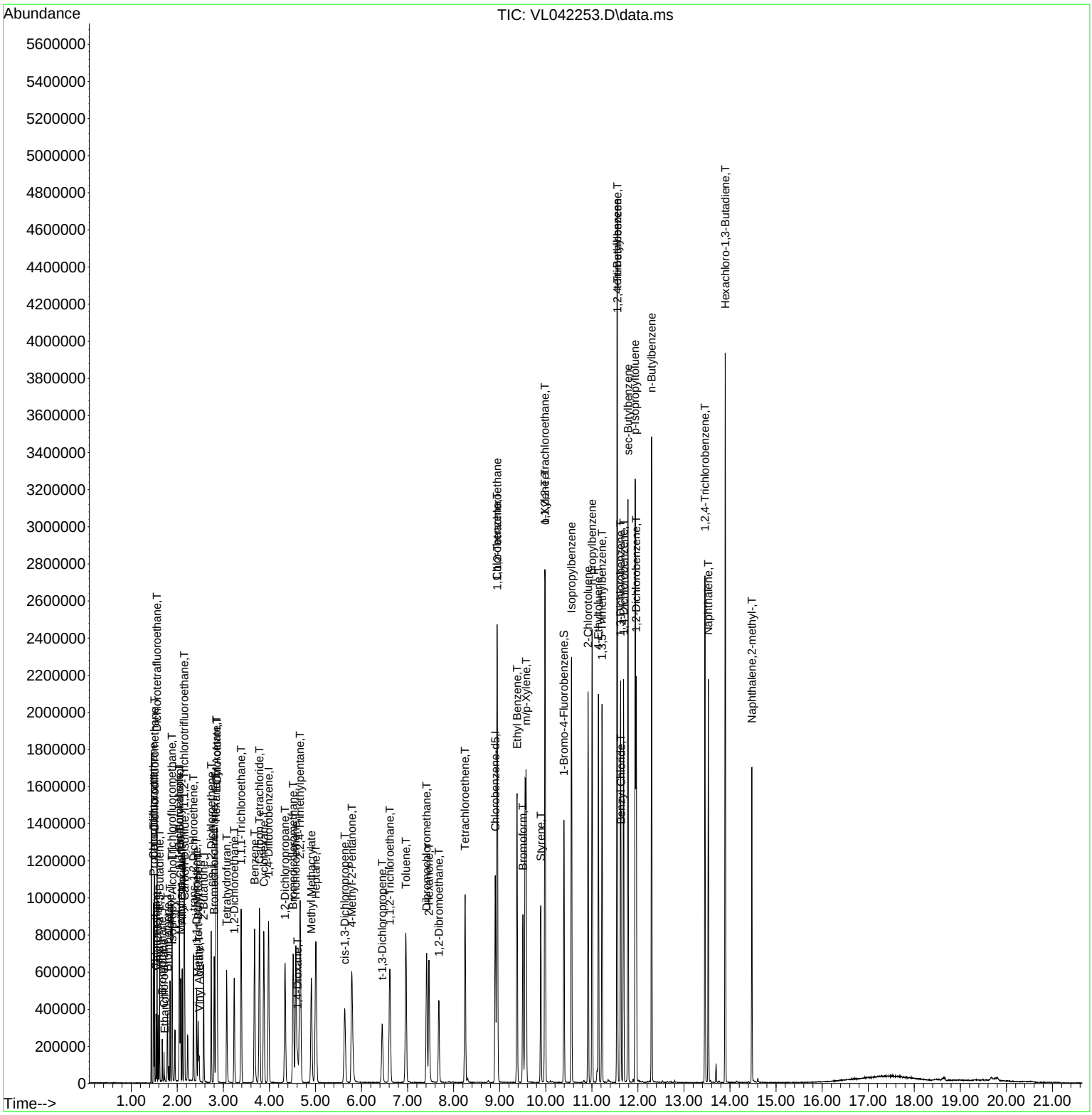
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042253.D
Acq On : 08 Apr 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

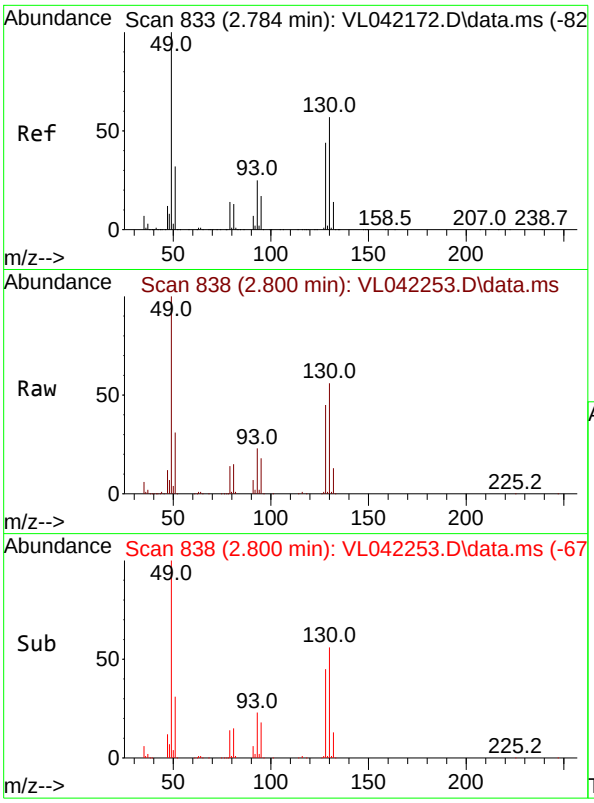
Quant Time: Apr 09 01:50:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

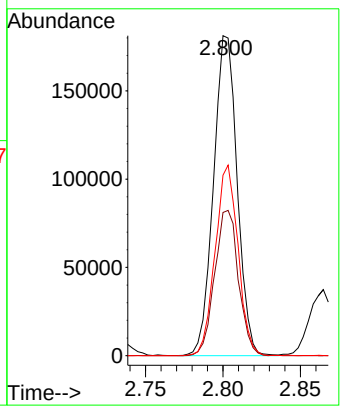




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 49 Resp: 19274

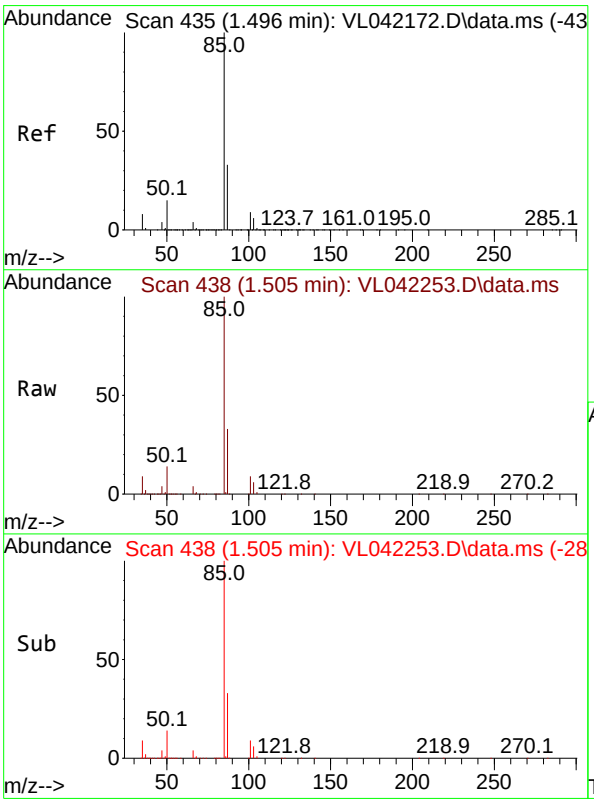
Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	57.6	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

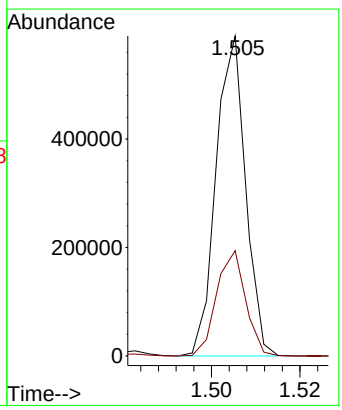
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

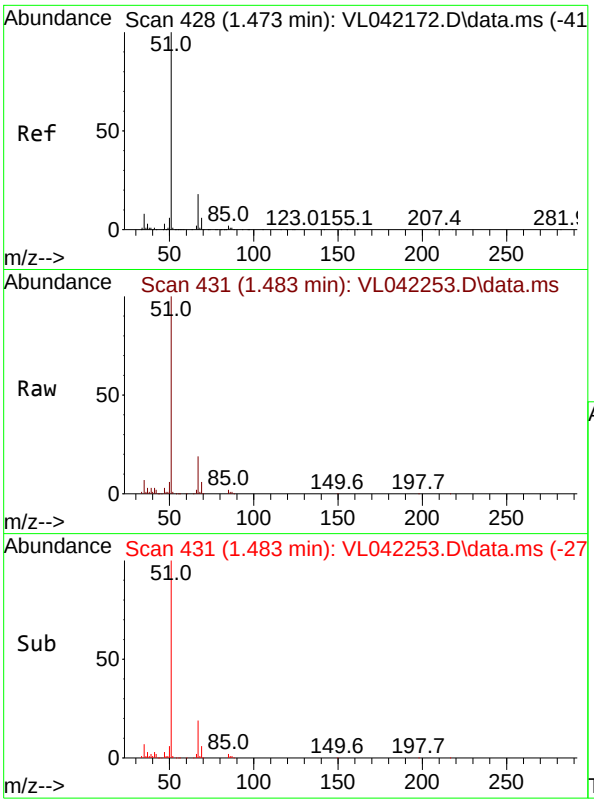


#2
Dichlorodifluoromethane
Concen: 9.608 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 85 Resp: 273431

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.1	39.1

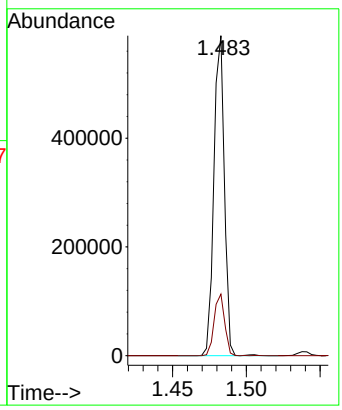




#3
Chlorodifluoromethane
Concen: 9.985 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 51 Resp: 29028

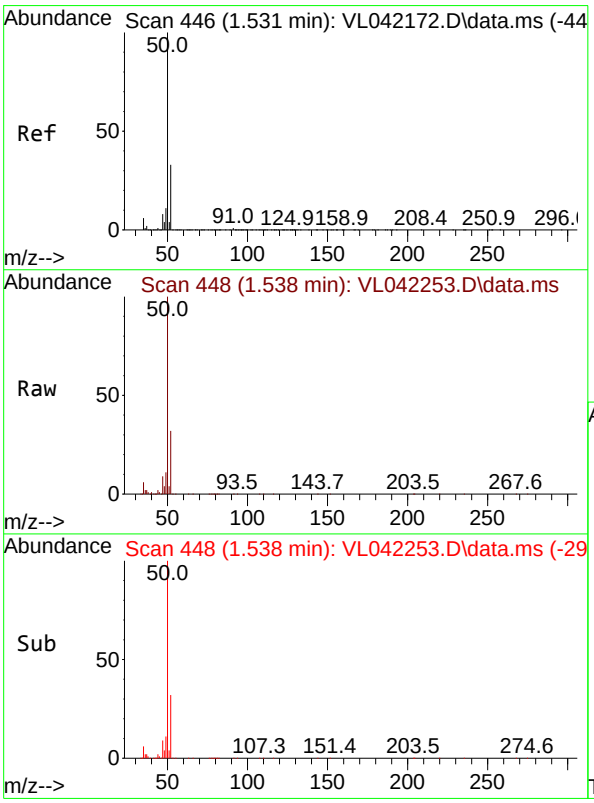
Ion	Ratio	Lower	Upper
51	100		
67	19.4	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

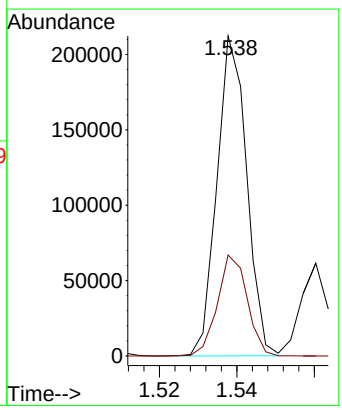
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

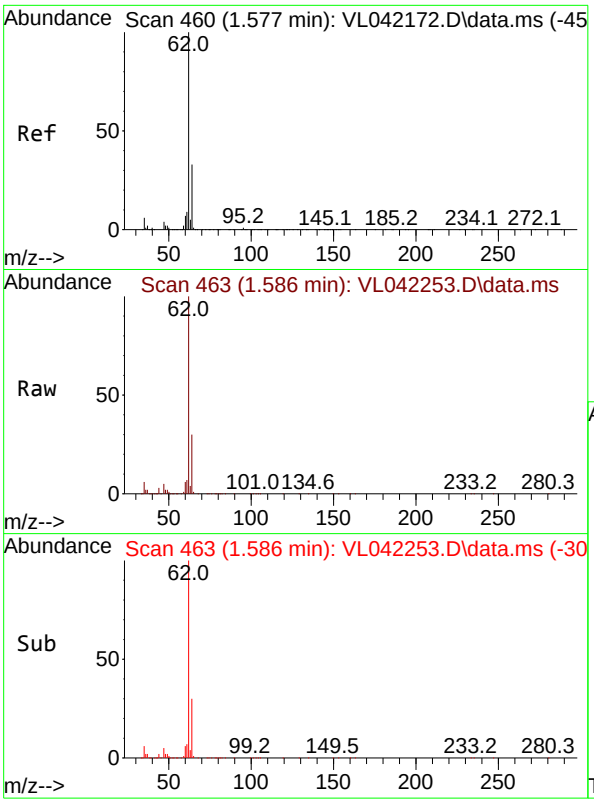


#4
Chloromethane
Concen: 9.729 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 50 Resp: 113157

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.1	39.1

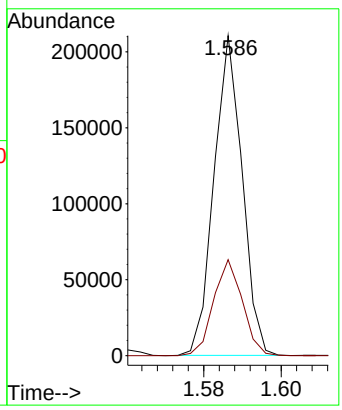




#5
Vinyl Chloride
Concen: 8.637 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 62 Resp: 10645

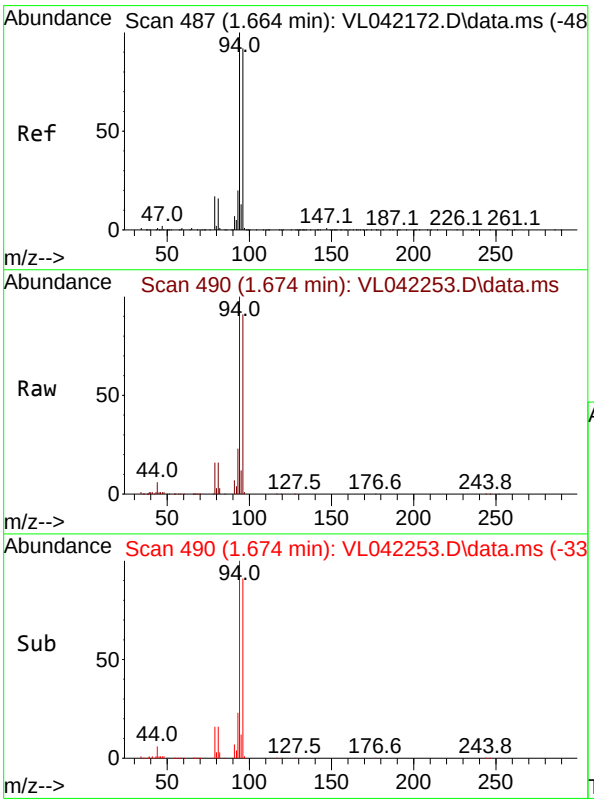
Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.6	40.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

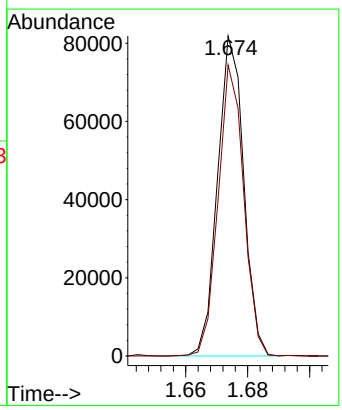
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

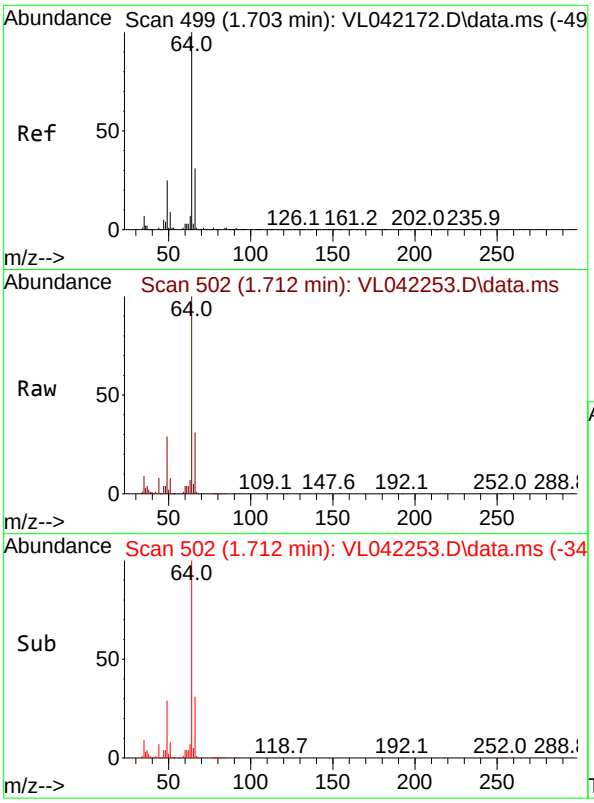


#6
Bromomethane
Concen: 9.087 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 94 Resp: 47897

Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.1	109.7

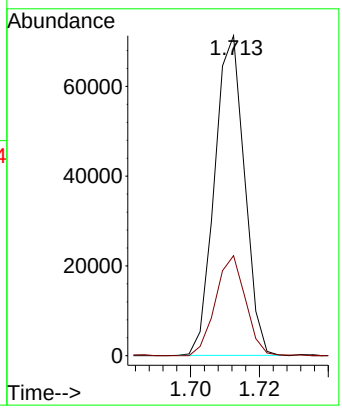




#7
Chloroethane
Concen: 9.215 ppbv
RT: 1.712 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 64 Resp: 4302

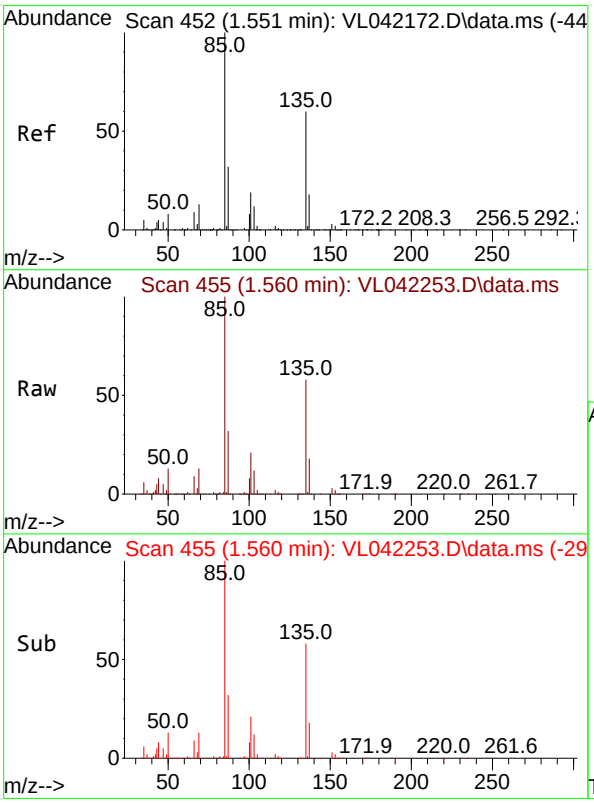
Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

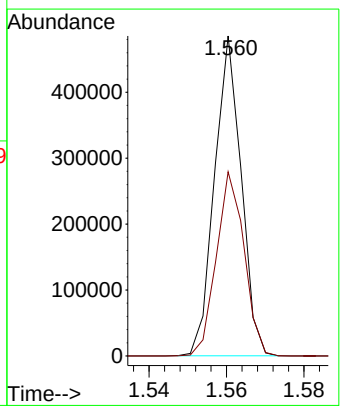
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

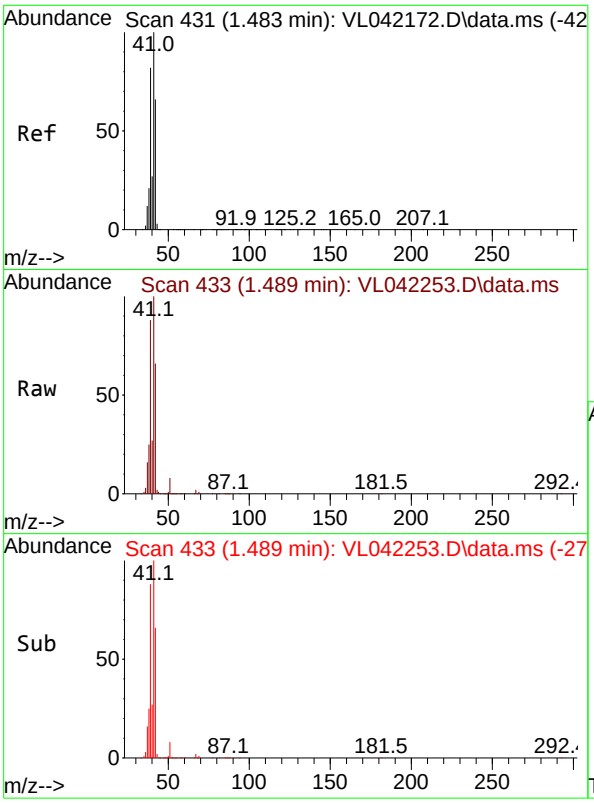


#8
Dichlorotetrafluoroethane
Concen: 9.554 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 85 Resp: 231550

Ion	Ratio	Lower	Upper
85	100		
135	60.1	52.4	78.6

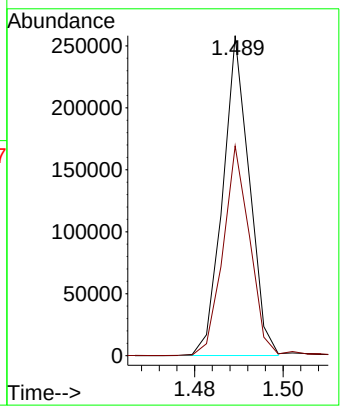




#9
Propene
Concen: 8.104 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 41 Resp: 10799

Ion	Ratio	Lower	Upper
41	100		
42	67.3	55.4	83.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
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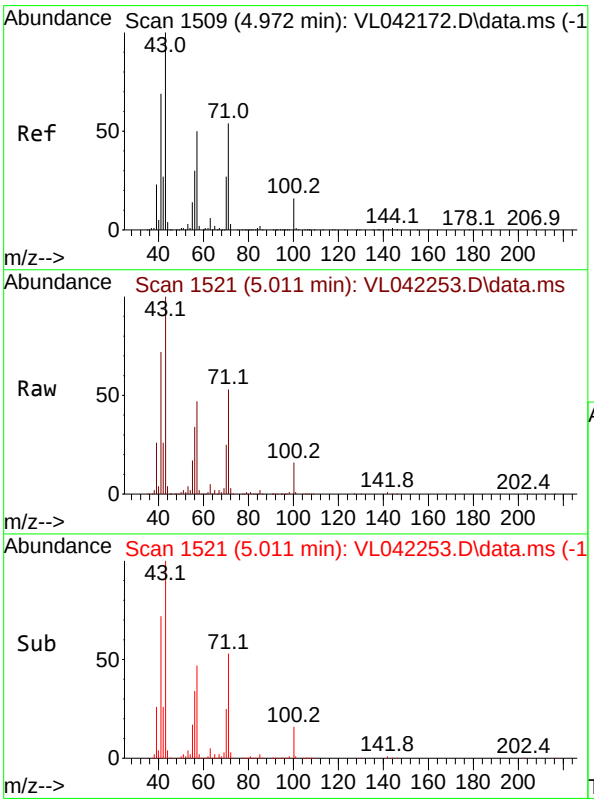
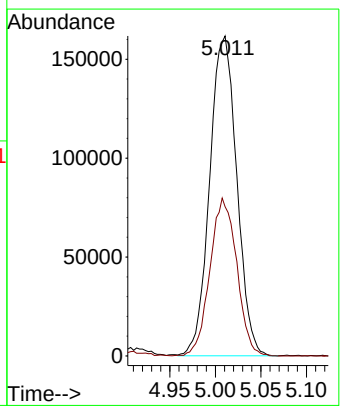
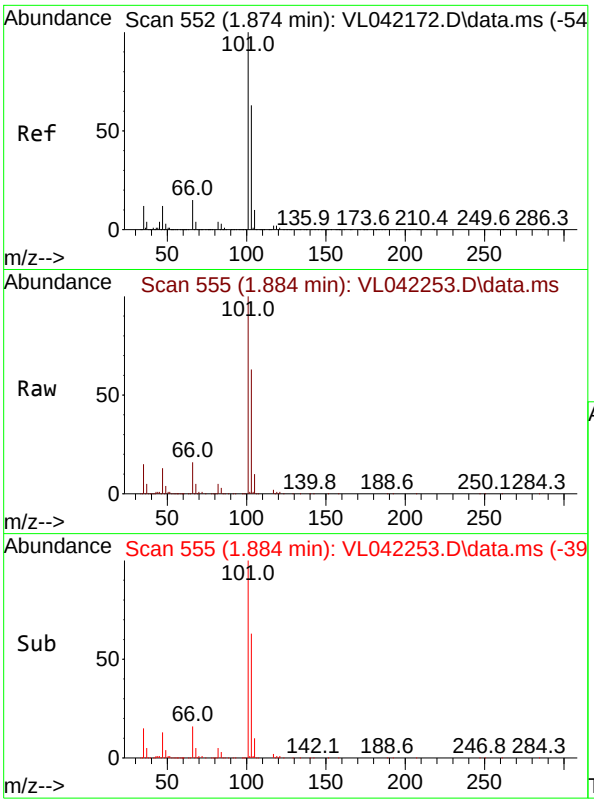


#10
Heptane
Concen: 9.441 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 334651

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.4	59.2

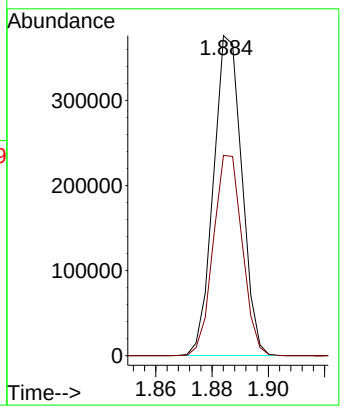




#11
Trichlorofluoromethane
Concen: 9.518 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:101 Resp: 26356

Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.2	75.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
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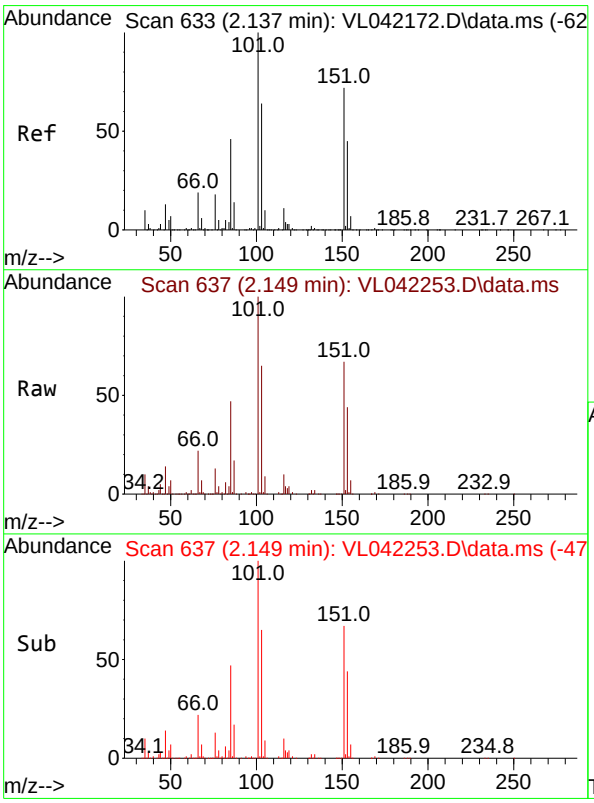
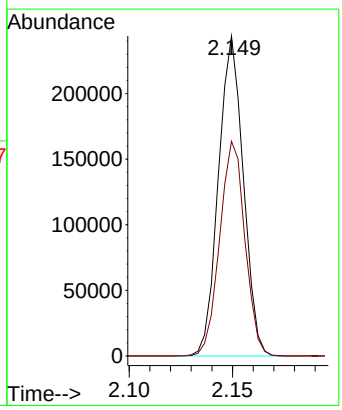
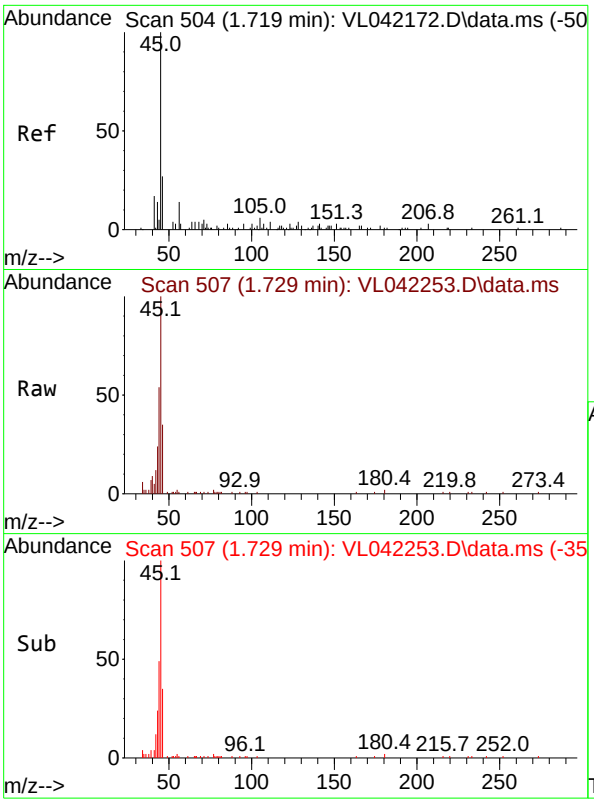


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.967 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:101 Resp: 204093

Ion	Ratio	Lower	Upper
101	100		
151	68.2	57.1	85.7

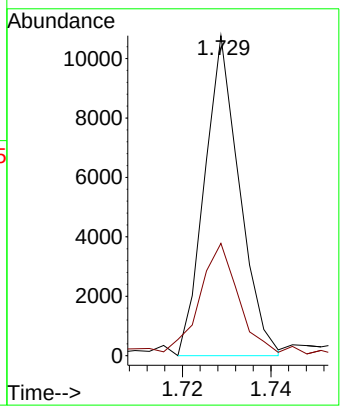




#13
Ethanol
Concen: 4.686 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 45 Resp: 590

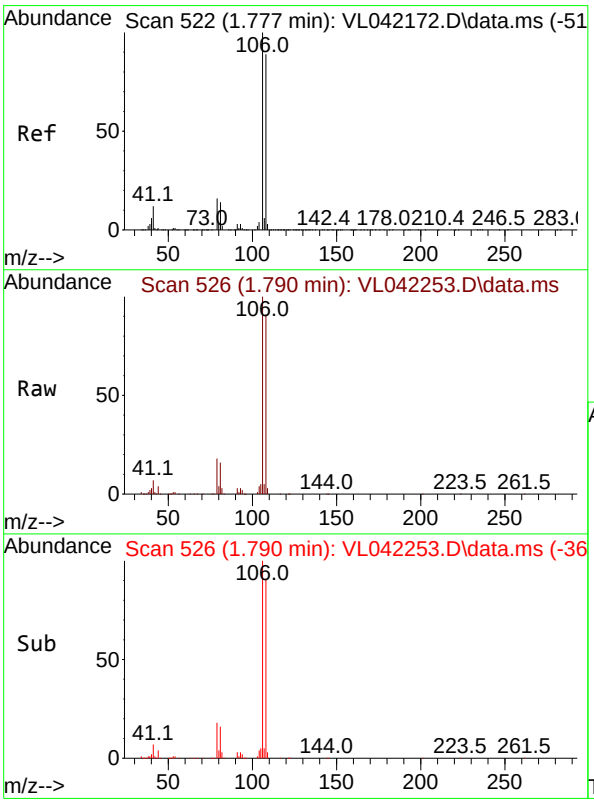
Ion	Ratio	Lower	Upper
45	100		
46	45.1	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

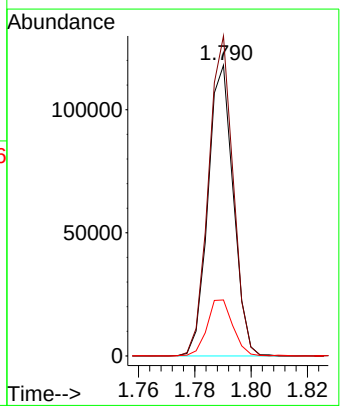
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

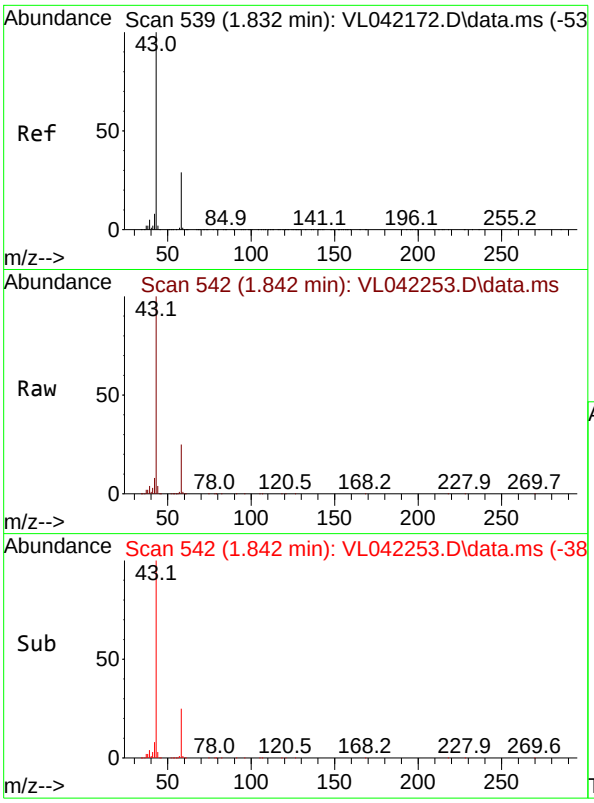


#14
Bromoethene
Concen: 8.438 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:108 Resp: 73578

Ion	Ratio	Lower	Upper
108	100		
106	107.3	86.8	130.2
79	20.3	15.0	22.6

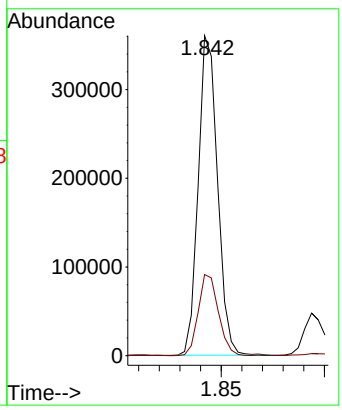




#15
Acetone
Concen: 8.677 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 23389

Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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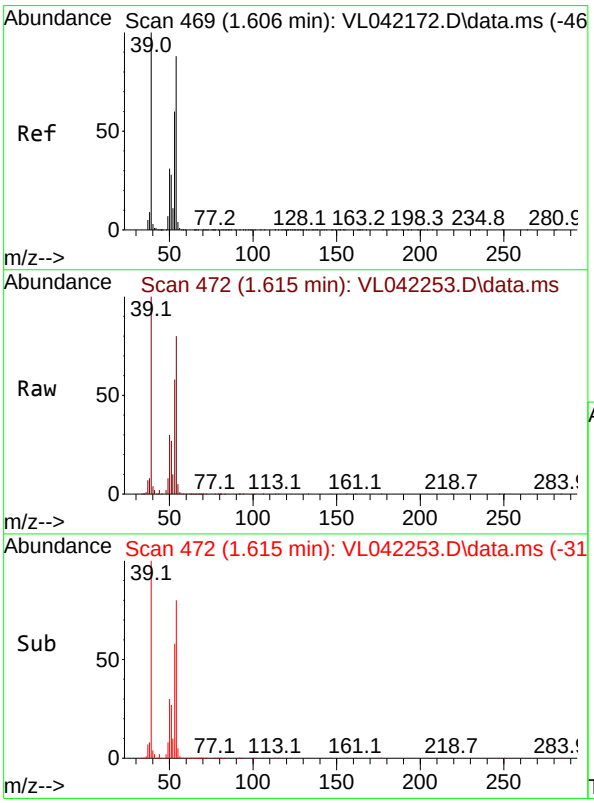
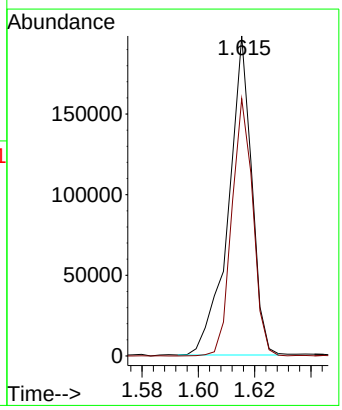
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

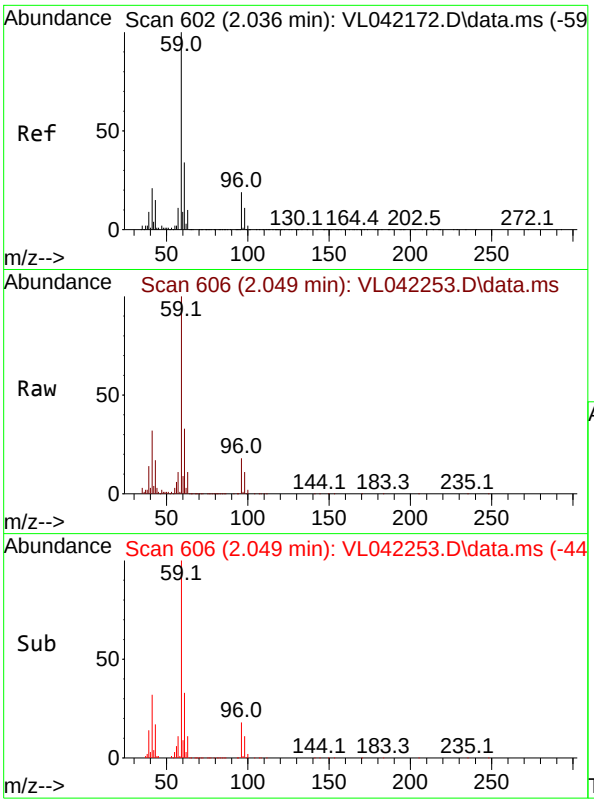


#16
1,3-Butadiene
Concen: 8.637 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 39 Resp: 113699

Ion	Ratio	Lower	Upper
39	100		
54	73.1	60.7	91.1

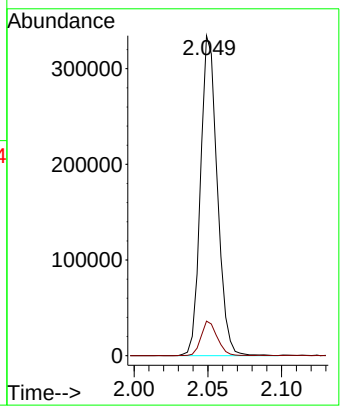




#17
tert-Butyl alcohol
Concen: 7.865 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 59 Resp: 26406

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
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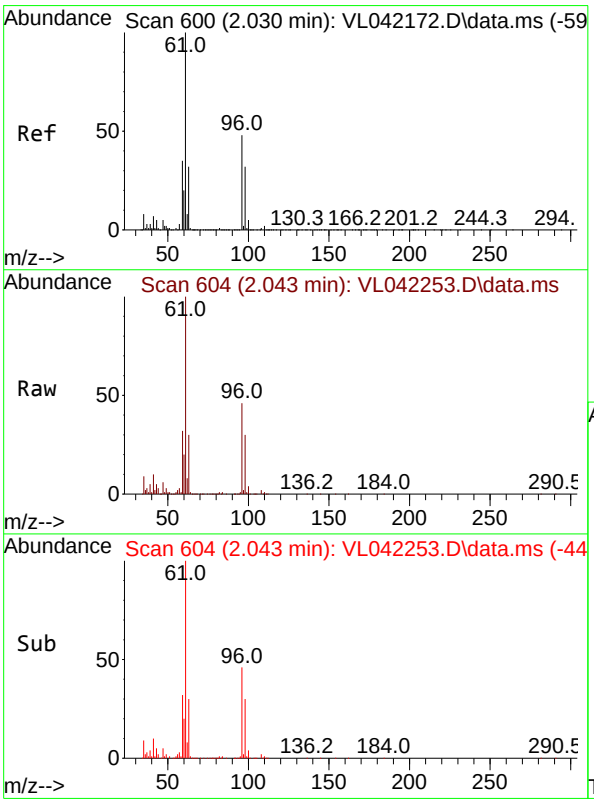
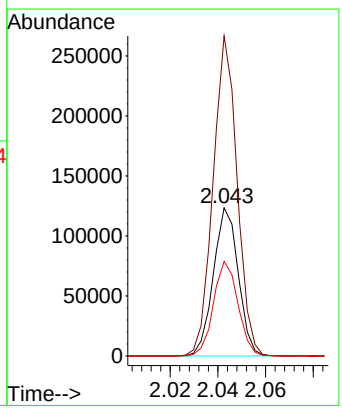
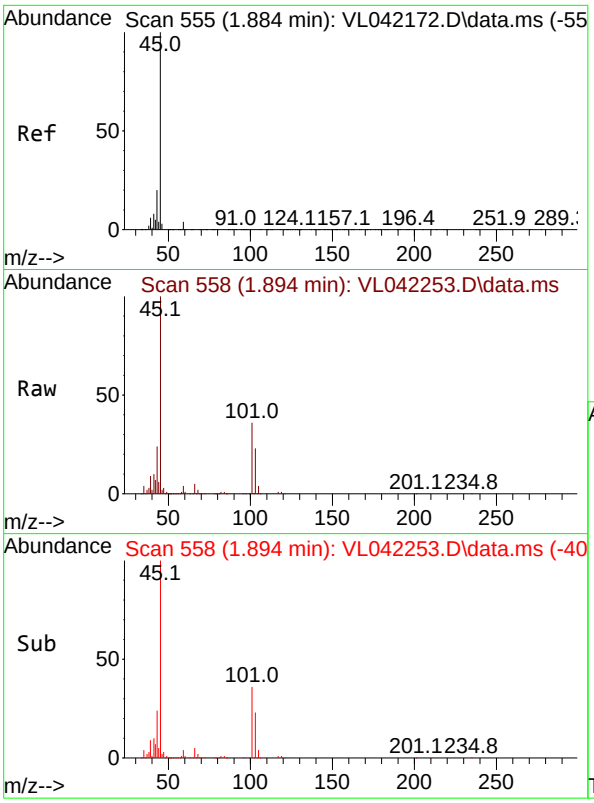


#18
1,1-Dichloroethene
Concen: 8.414 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 96 Resp: 89526

Ion	Ratio	Lower	Upper
96	100		
61	216.0	167.6	251.4
98	63.8	53.5	80.3

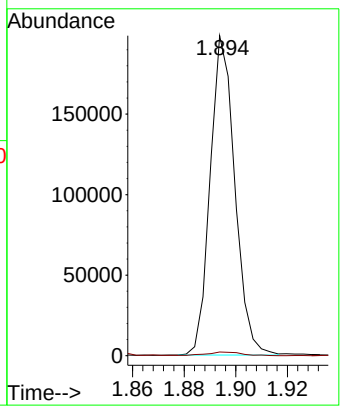




#19
Isopropyl Alcohol
Concen: 8.653 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 45 Resp: 13160

Ion	Ratio	Lower	Upper
45	100		
58	47.5	36.9	55.3



Instrument :
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ClientSampleId :
VSTDCCC010

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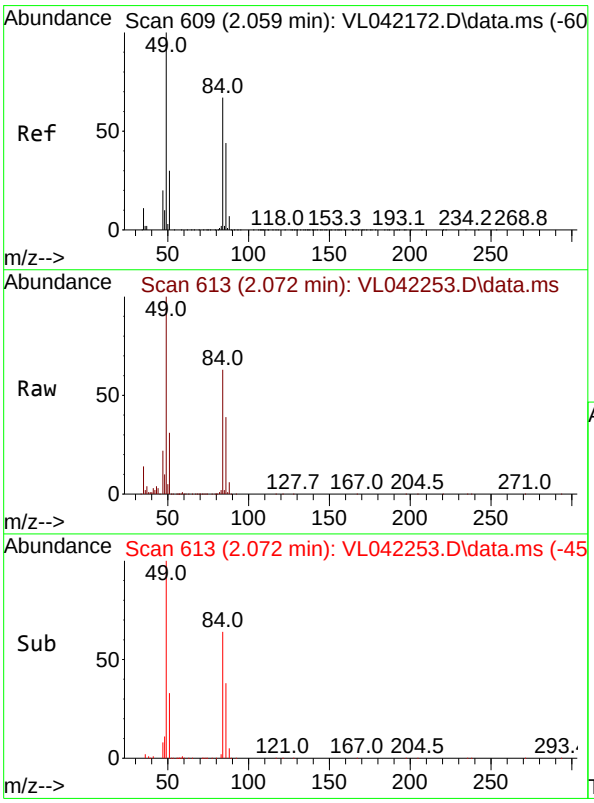
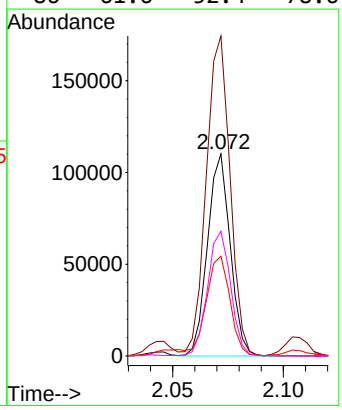
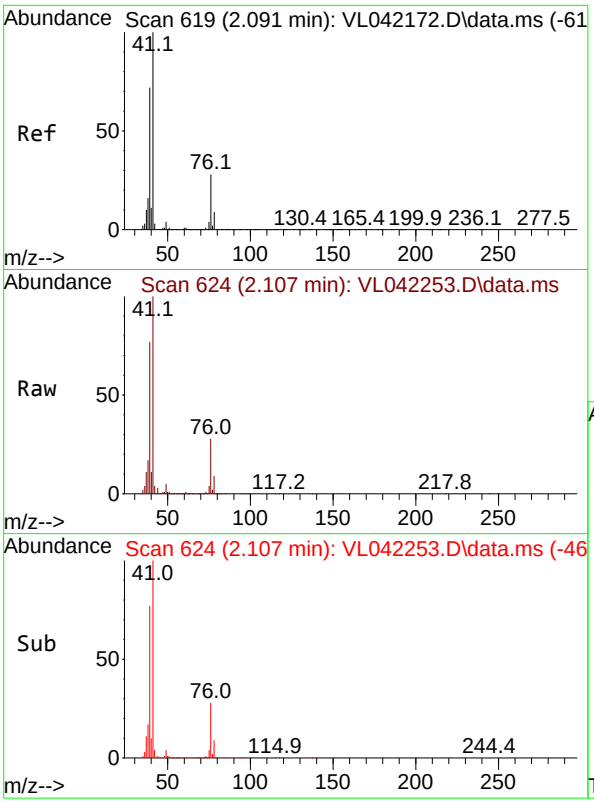


#20
Methylene Chloride
Concen: 7.825 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 84 Resp: 78560

Ion	Ratio	Lower	Upper
84	100		
49	156.4	120.2	180.4
51	48.5	37.4	56.0
86	61.6	52.4	78.6





#21
Allyl Chloride
Concen: 8.590 ppbv
RT: 2.107 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 41 Resp: 16330

Ion	Ratio	Lower	Upper
41	100		
76	27.3	24.1	36.1
39	77.5	61.1	91.7

Instrument :
MSVOA_L
ClientSampleId :
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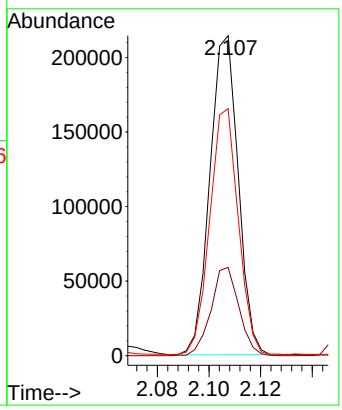
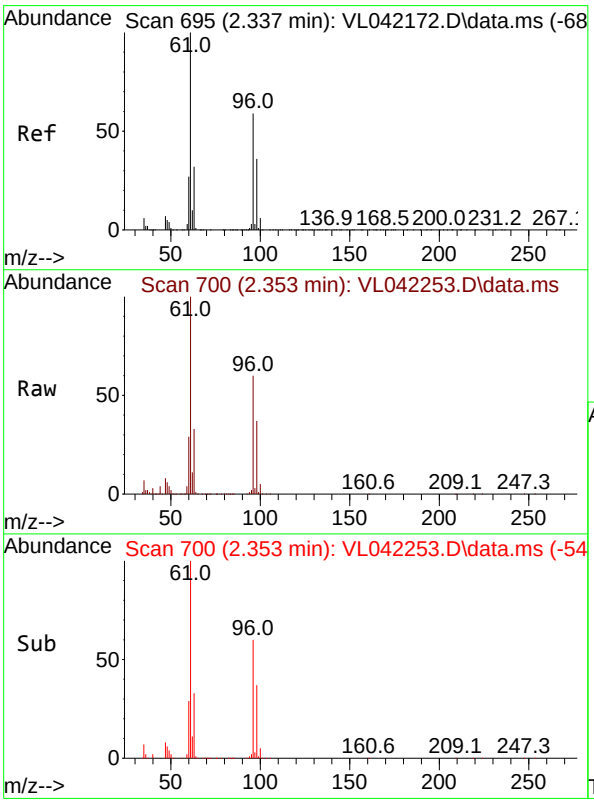
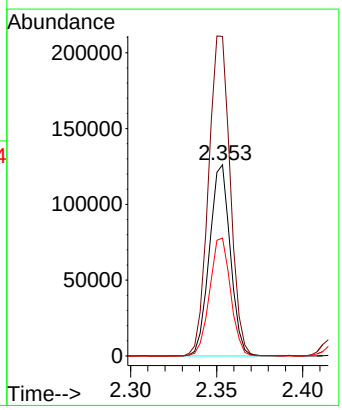


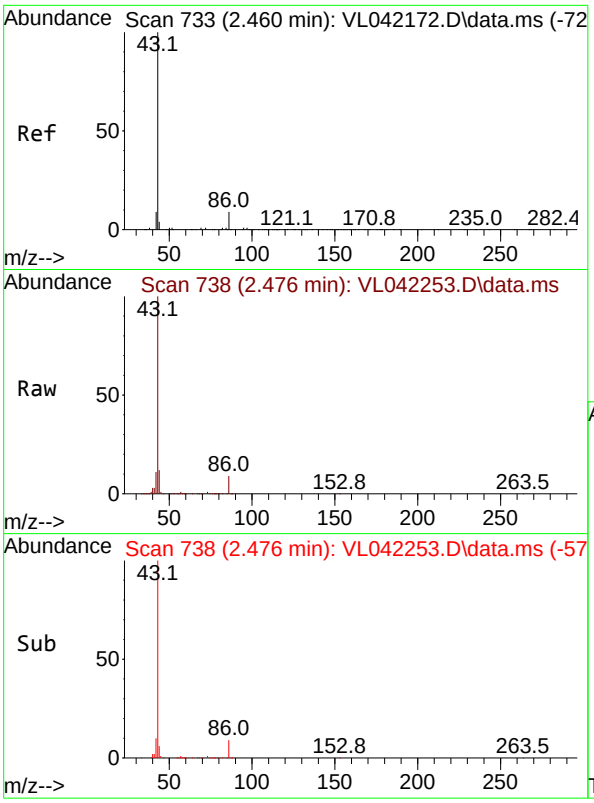


#22
trans-1,2-Dichloroethene
Concen: 8.643 ppbv
RT: 2.353 min Scan# 700
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 96 Resp: 106297

Ion	Ratio	Lower	Upper
96	100		
61	167.0	136.6	204.8
98	61.7	49.4	74.2

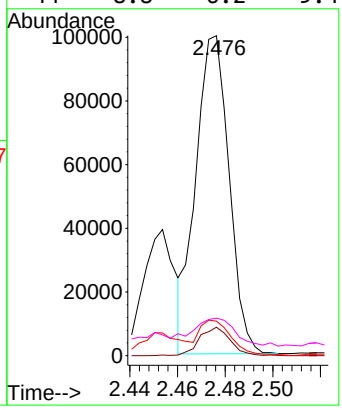




#23
Vinyl Acetate
Concen: 8.313 ppbv
RT: 2.476 min Scan# 7
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 9699

Ion	Ratio	Lower	Upper
43	100		
86	8.9	5.5	8.3
42	10.5	8.6	13.0
44	8.8	6.2	9.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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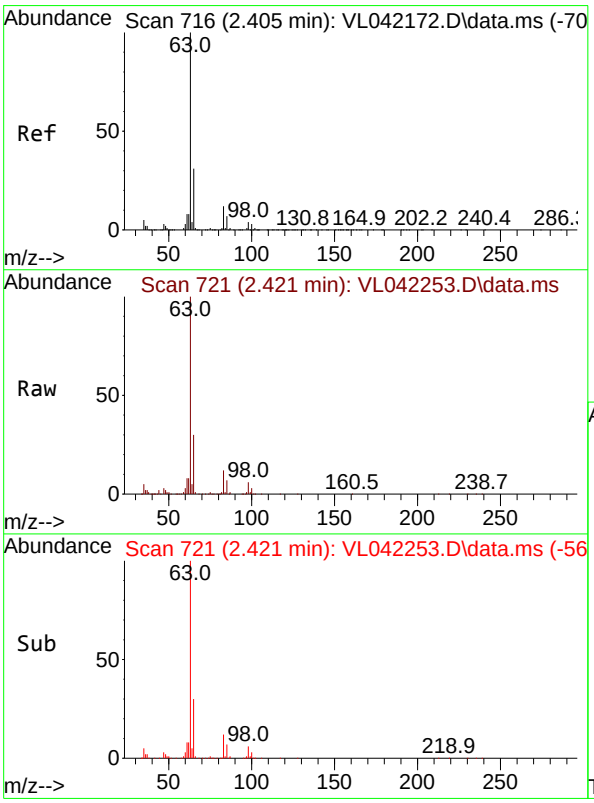
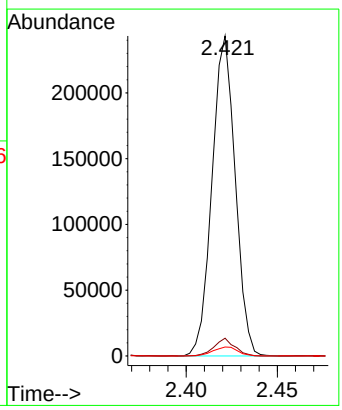
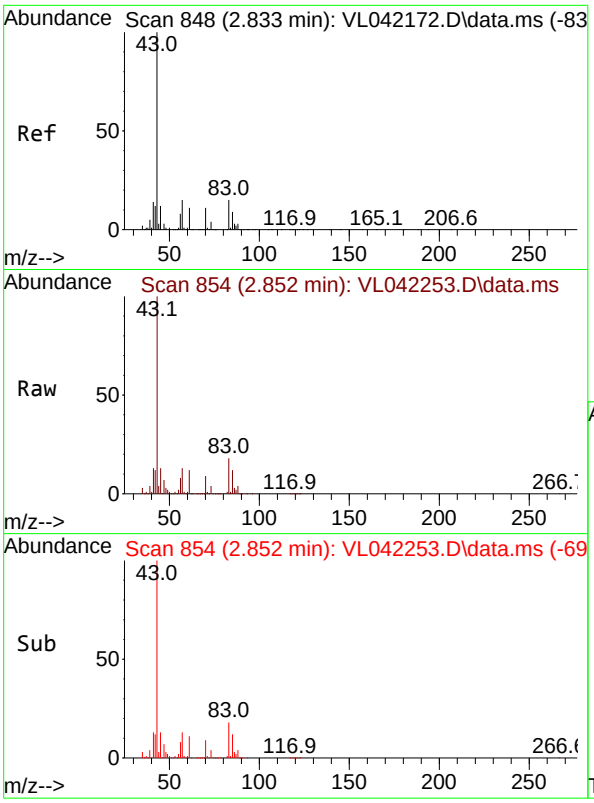


#24
1,1-Dichloroethane
Concen: 9.422 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 63 Resp: 214800

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.3	6.8
100	2.8	1.6	4.7

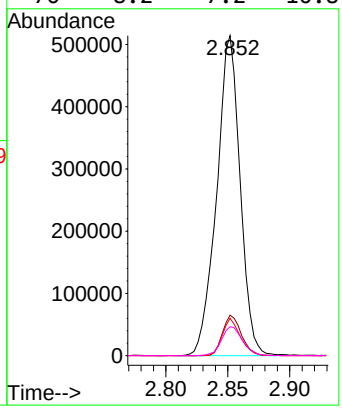




#25
Ethyl Acetate
Concen: 9.704 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 67892

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.0	7.3	10.9
70	8.2	7.2	10.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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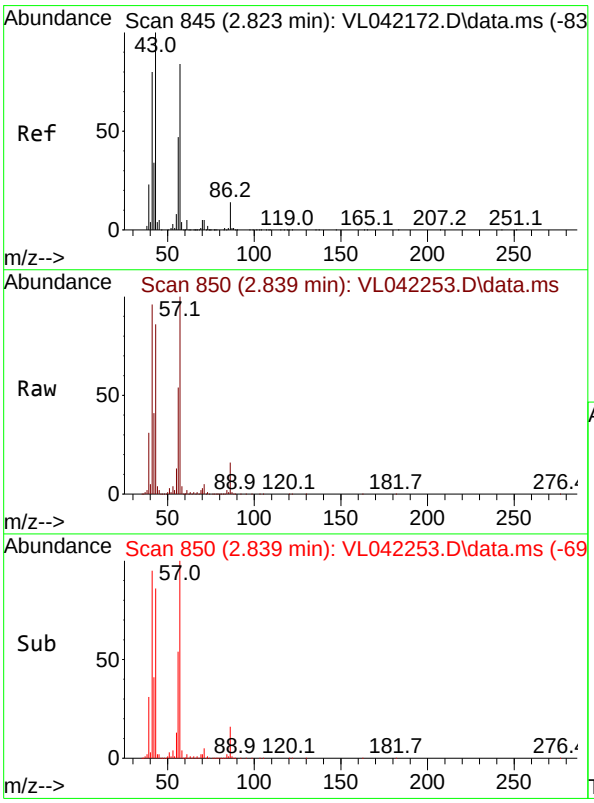
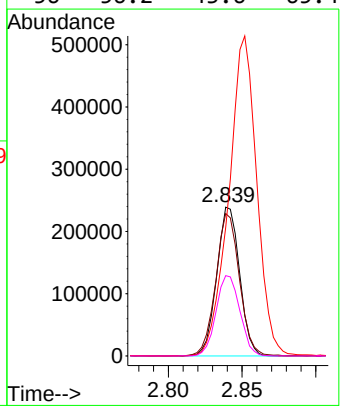
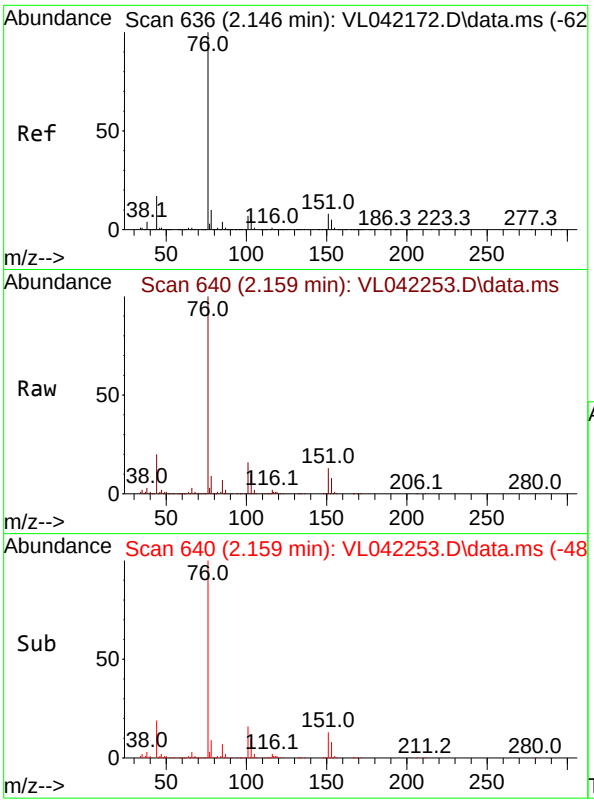


#26
Hexane
Concen: 9.529 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 57 Resp: 257513

Ion	Ratio	Lower	Upper
57	100		
41	99.7	76.6	114.8
43	264.2	207.8	311.8
56	56.2	43.6	65.4





#27
Carbon Disulfide
Concen: 8.762 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 76 Resp: 253909

Ion	Ratio	Lower	Upper
76	100		
44	20.0	14.7	22.1
78	11.7	9.3	13.9

Instrument :
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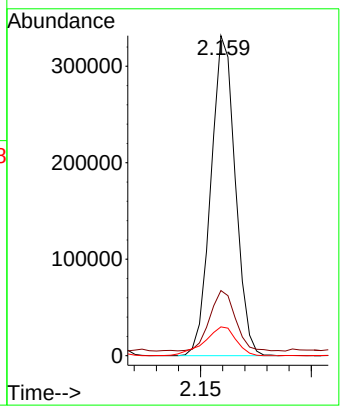
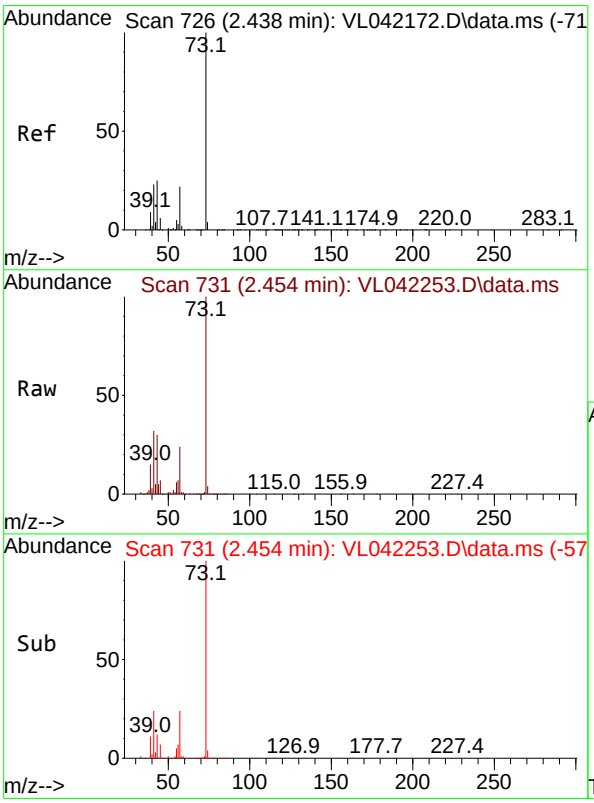
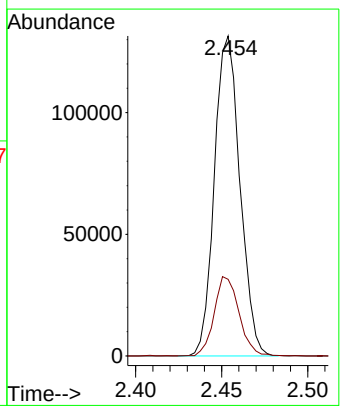


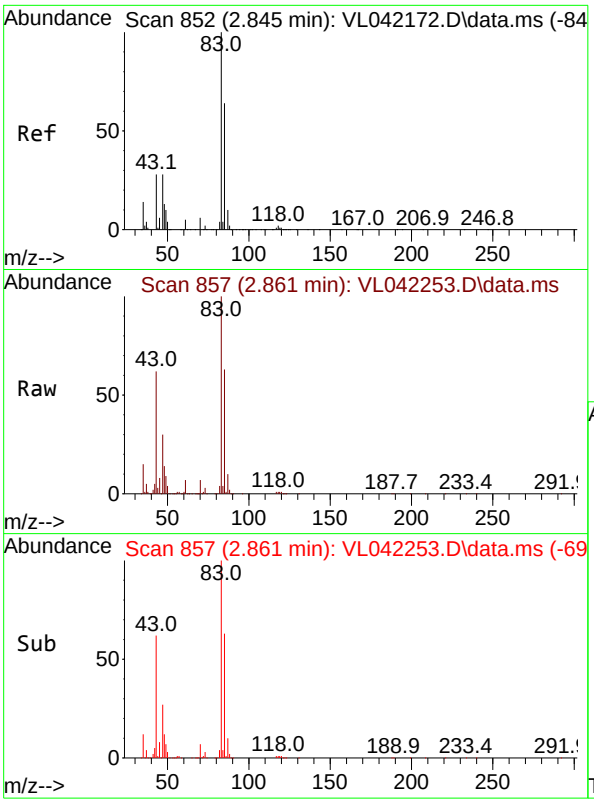


#28
Methyl tert-Butyl Ether
Concen: 8.078 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 73 Resp: 135921

Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.5	30.7





#29
Chloroform
Concen: 10.306 ppbv
RT: 2.861 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 83 Resp: 40759

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.2

Instrument :
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ClientSampleId :
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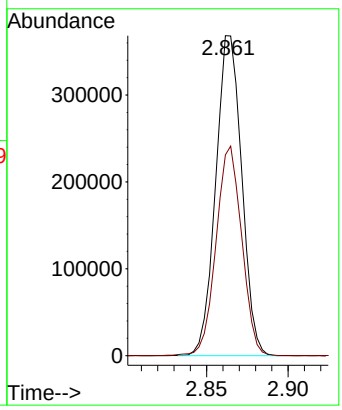
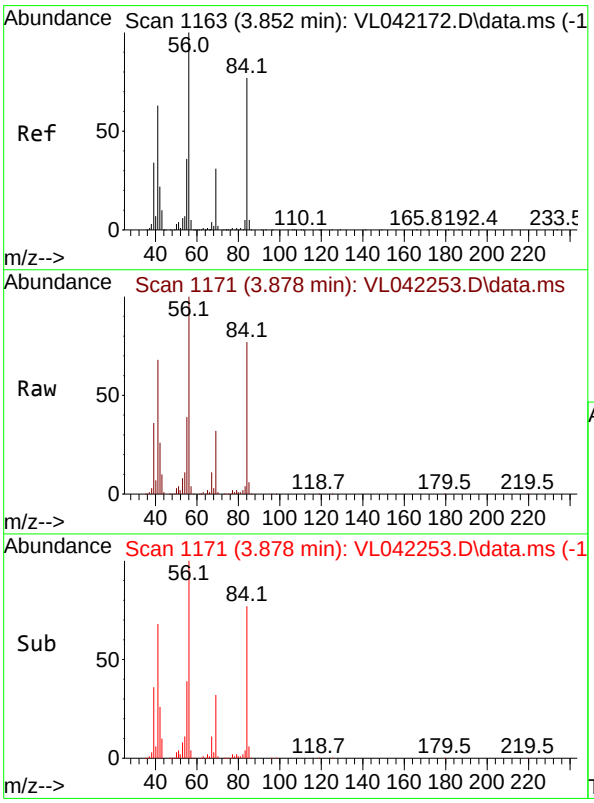
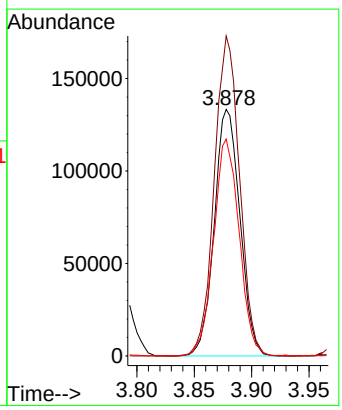


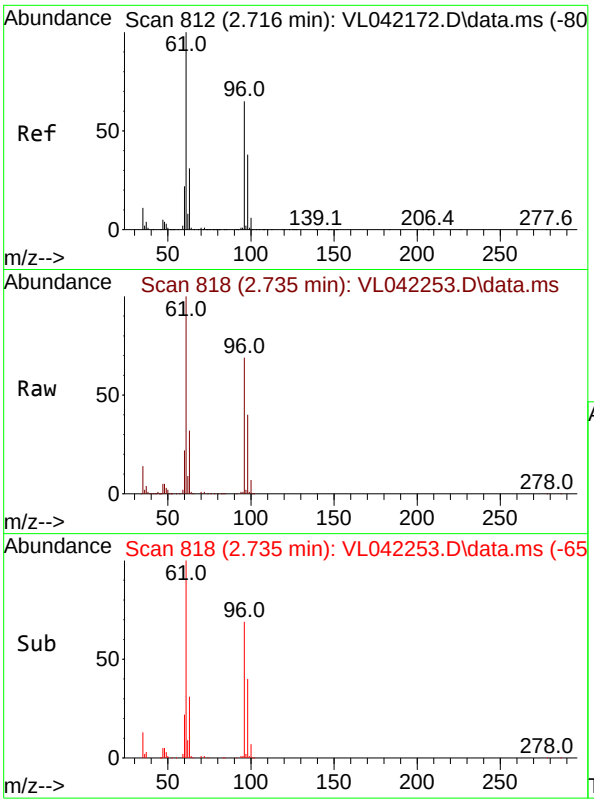


#30
Cyclohexane
Concen: 8.831 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 84 Resp: 207216

Ion	Ratio	Lower	Upper
84	100		
56	127.8	102.8	154.2
41	88.0	66.5	99.7

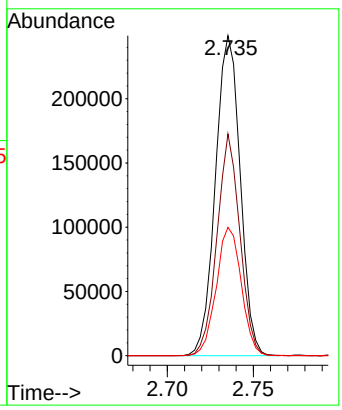




#31
cis-1,2-Dichloroethene
Concen: 9.098 ppbv
RT: 2.735 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 61 Resp: 24959

Ion	Ratio	Lower	Upper
61	100		
96	69.3	51.8	77.8
98	40.1	30.6	46.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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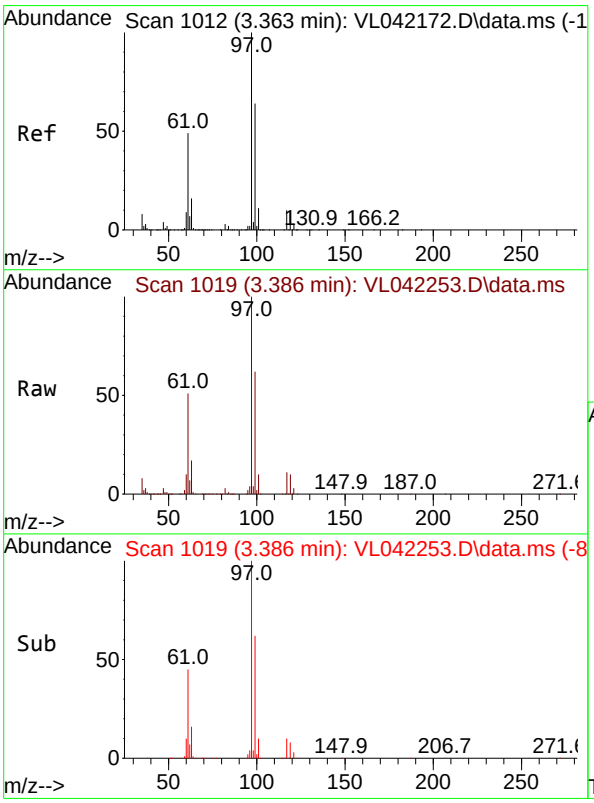
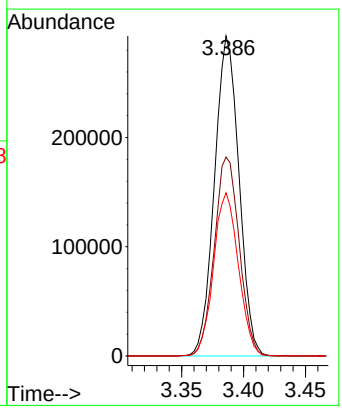
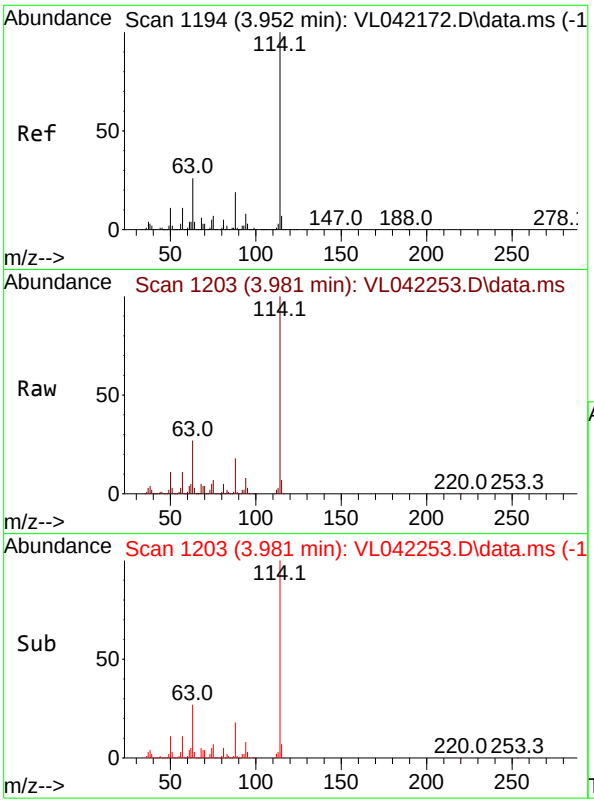


#32
1,1,1-Trichloroethane
Concen: 8.915 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 97 Resp: 403665

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	51.9	38.7	58.1

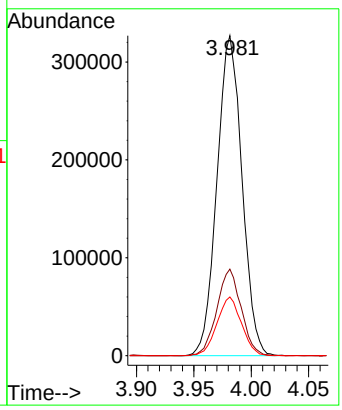




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:114 Resp: 49627

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.7	31.1
88	17.9	15.0	22.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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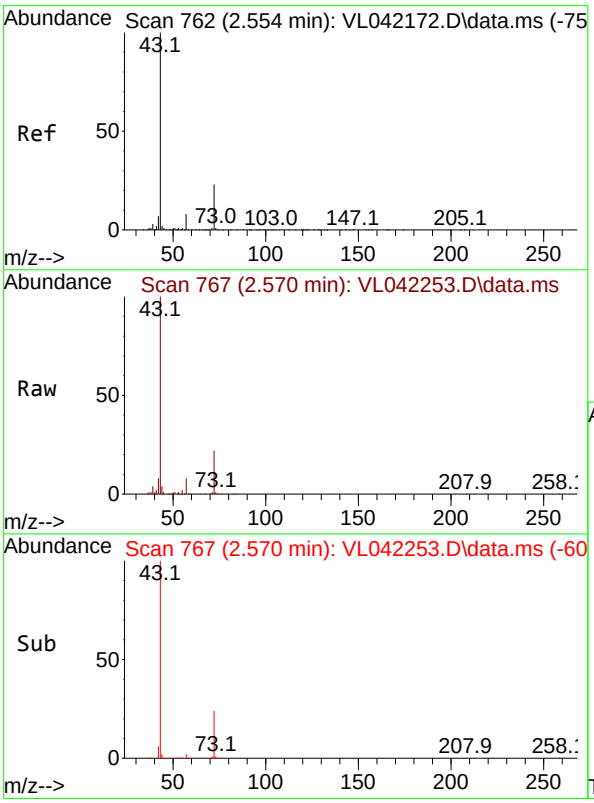
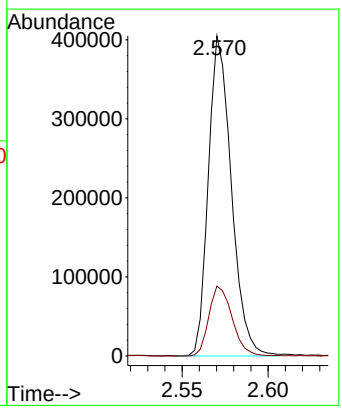
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

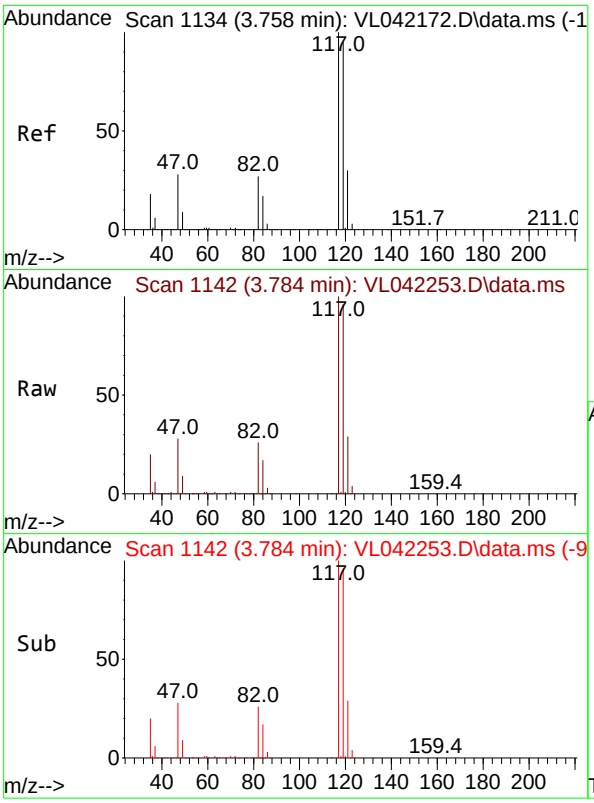


#34
2-Butanone
Concen: 10.443 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 375791

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.2	27.2

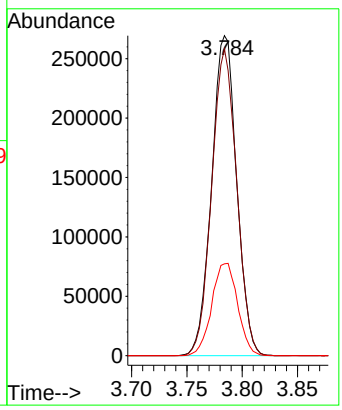




#35
Carbon Tetrachloride
Concen: 10.934 ppbv
RT: 3.784 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:117 Resp: 42386

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	28.7	24.2	36.4



Instrument :
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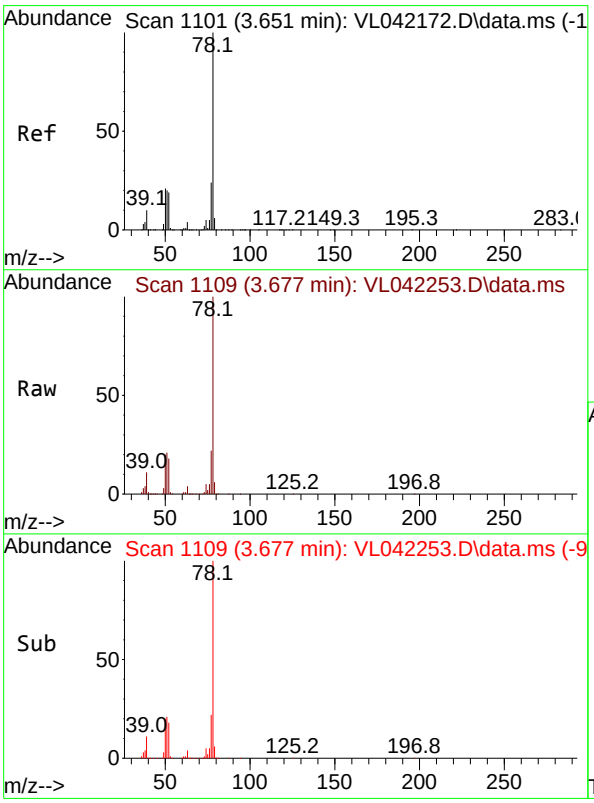
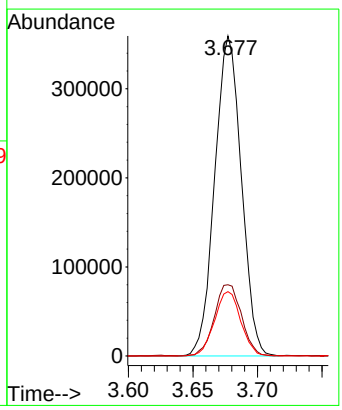
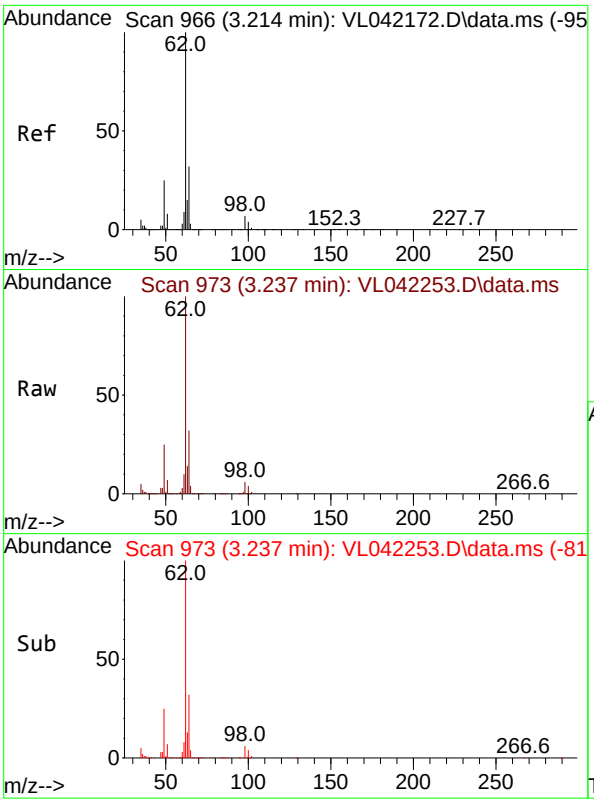


#36
Benzene
Concen: 10.467 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 78 Resp: 514967

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.1	28.7
50	20.1	16.6	24.8

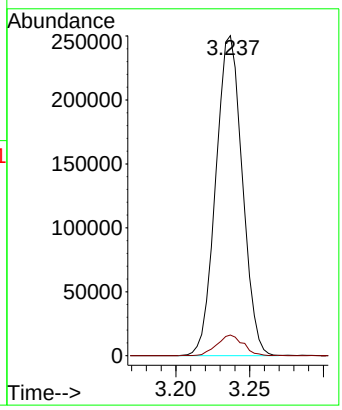




#37
1,2-Dichloroethane
Concen: 11.119 ppbv
RT: 3.237 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 62 Resp: 31319

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.4	8.2



Instrument :
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VSTDCCC010

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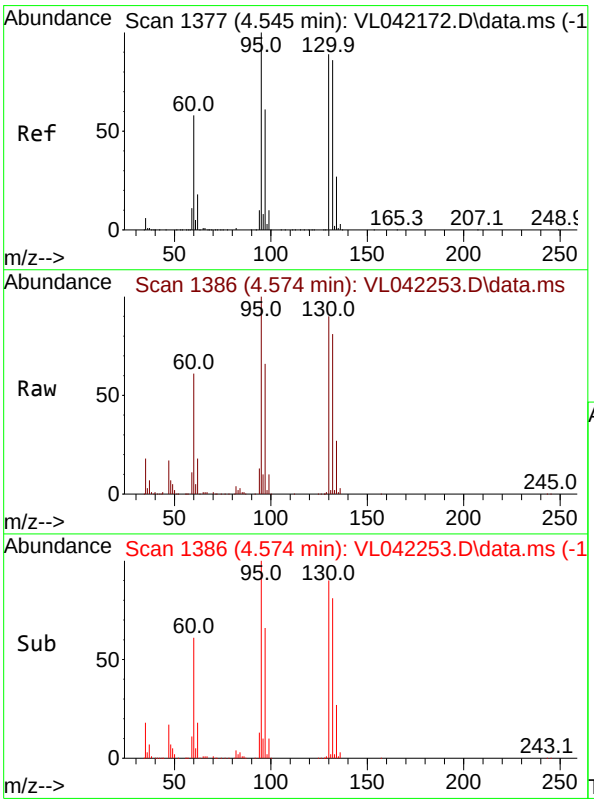
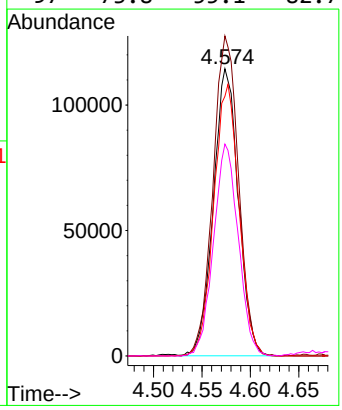
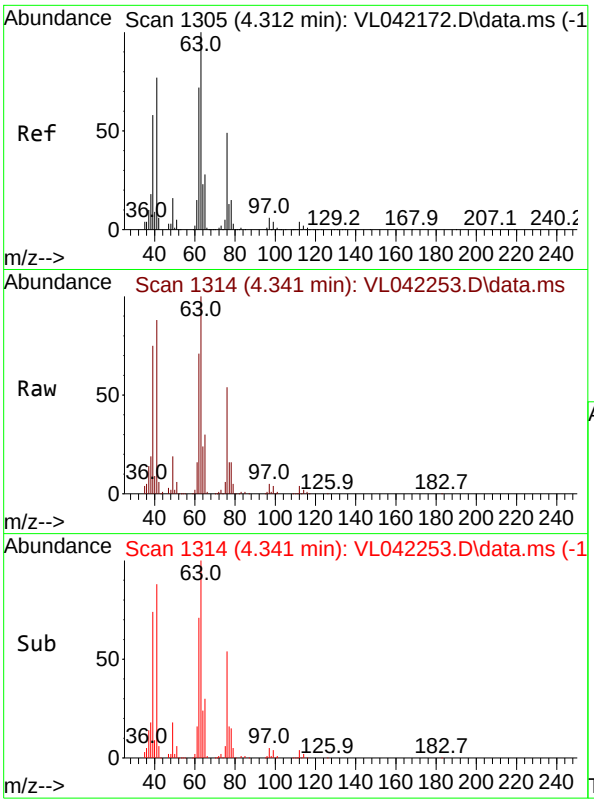


#38
Trichloroethene
Concen: 10.032 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:130 Resp: 205933

Ion	Ratio	Lower	Upper
130	100		
95	111.4	89.8	134.8
132	90.5	77.4	116.2
97	73.8	55.1	82.7

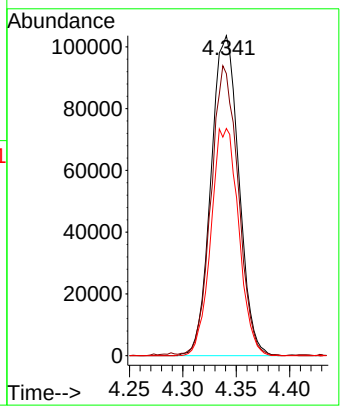




#39
1,2-Dichloropropane
Concen: 10.501 ppbv
RT: 4.341 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 63 Resp: 18815

Ion	Ratio	Lower	Upper
63	100		
41	87.9	61.7	92.5
62	70.9	57.6	86.4



Instrument :
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ClientSampleId :
VSTDCCC010

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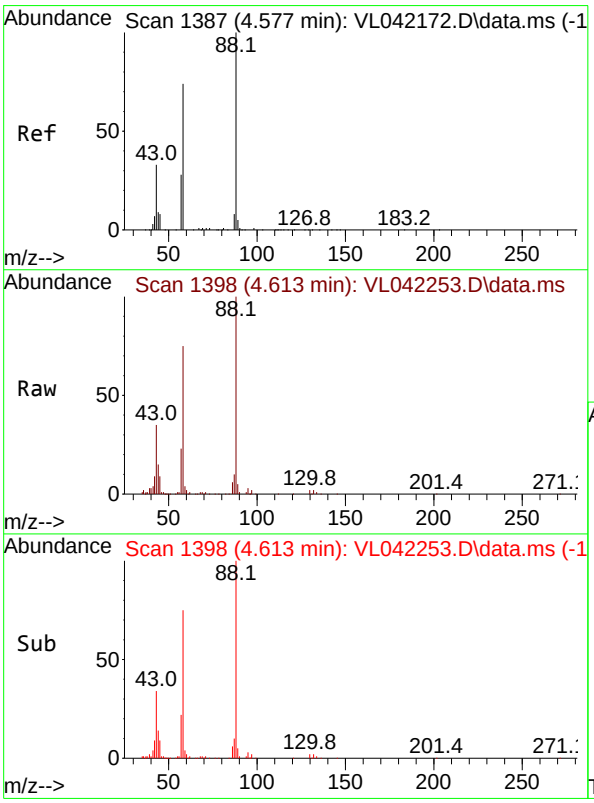
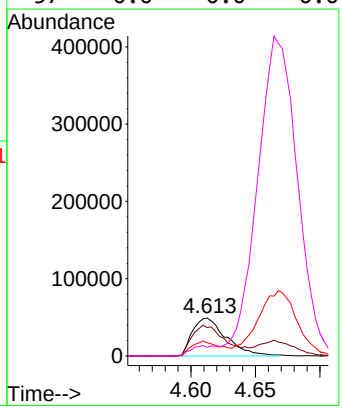
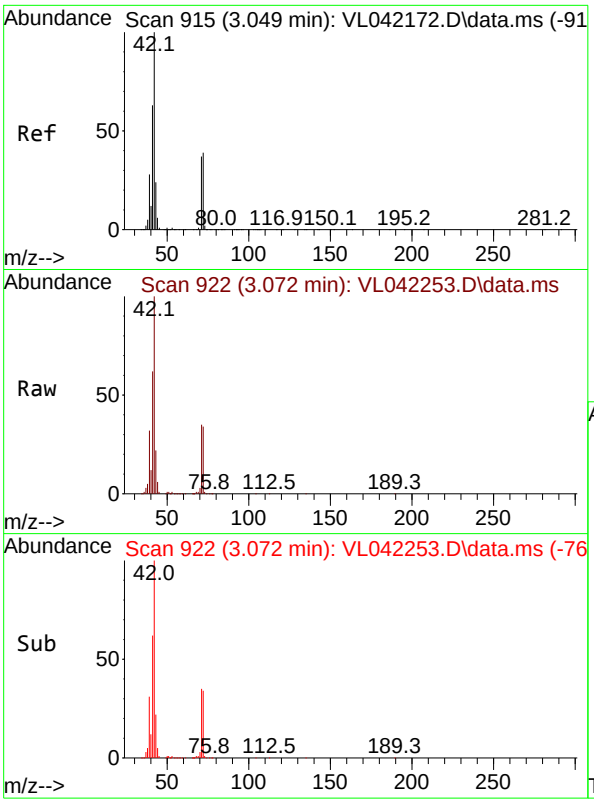


#40
1,4-Dioxane
Concen: 9.409 ppbv
RT: 4.613 min Scan# 1398
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 88 Resp: 89479

Ion	Ratio	Lower	Upper
88	100		
58	78.8	62.7	94.1
43	35.2	23.0	34.4#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.073 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 42 Resp: 20873

Ion	Ratio	Lower	Upper
42	100		
72	36.5	31.4	47.0
71	35.6	30.2	45.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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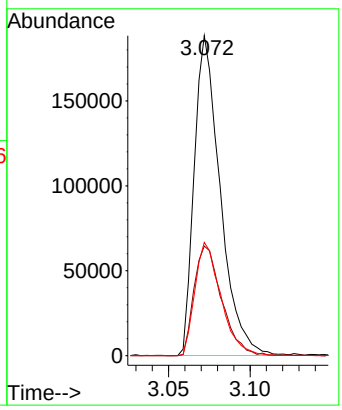
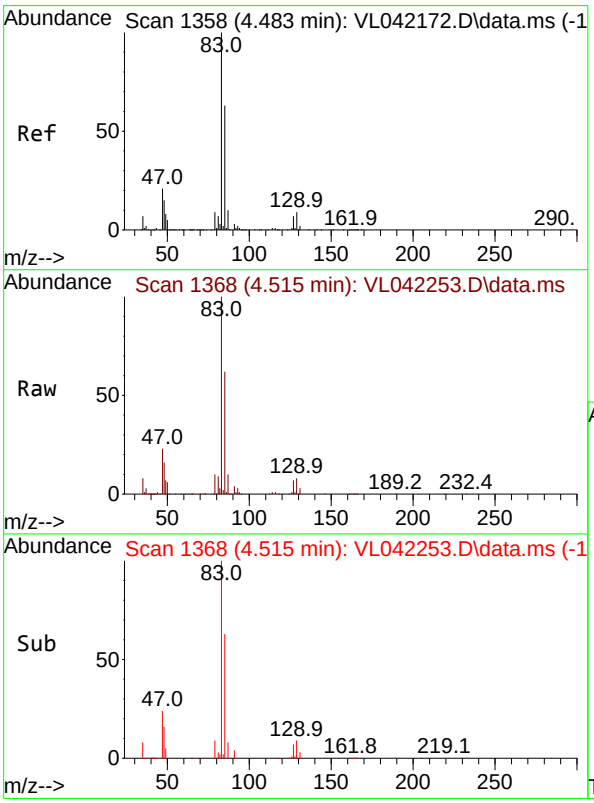
Supervised By :Mahesh Dadoda 04/09/2025

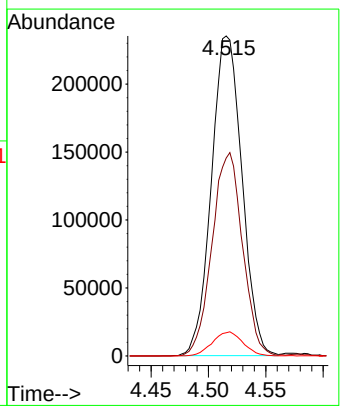


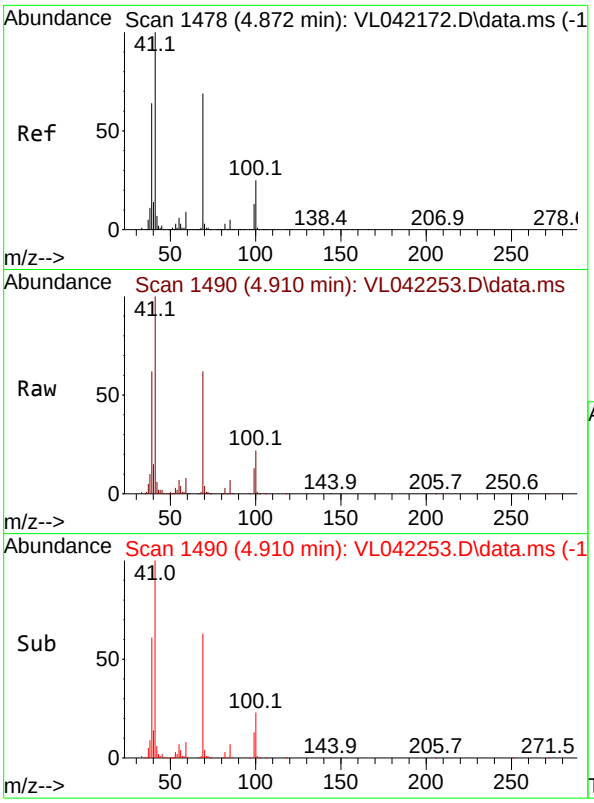


#42
Bromodichloromethane
Concen: 11.230 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 83 Resp: 436058

Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.5	75.7
127	7.2	5.9	8.9





#43
Methyl Methacrylate
Concen: 9.288 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 69 Resp: 19344

Ion	Ratio	Lower	Upper
69	100		
41	156.1	123.8	185.6
100	35.2	28.4	42.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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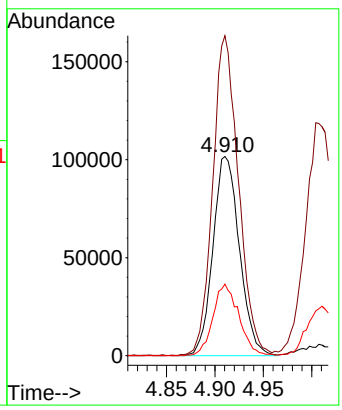
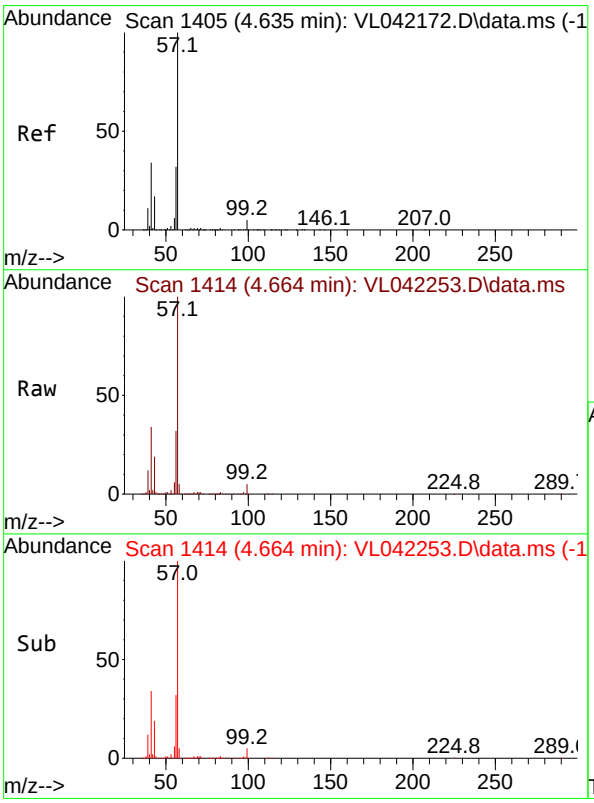
Supervised By :Mahesh Dadoda 04/09/2025

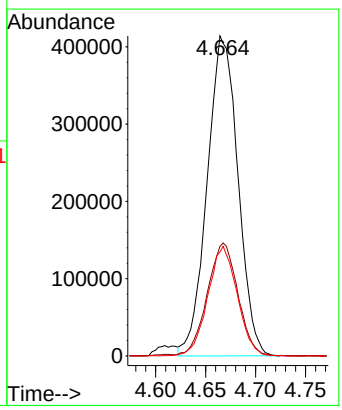


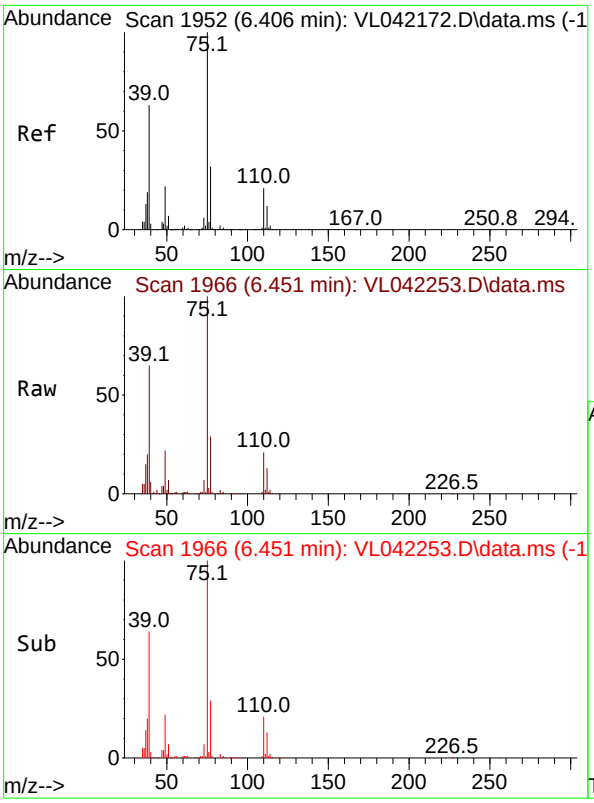


#44
2,2,4-Trimethylpentane
Concen: 10.687 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 57 Resp: 888509

Ion	Ratio	Lower	Upper
57	100		
41	35.5	26.8	40.2
56	32.8	25.6	38.4

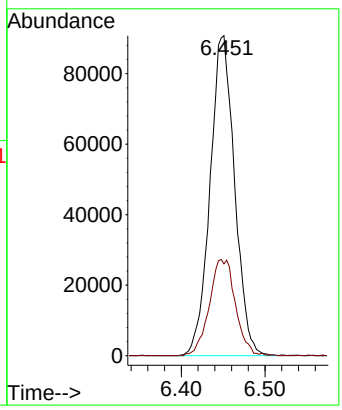




#45
t-1,3-Dichloropropene
Concen: 8.273 ppbv
RT: 6.451 min Scan# 1
Delta R.T. 0.045 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 75 Resp: 18486

Ion	Ratio	Lower	Upper
75	100		
77	28.7	26.0	39.0



Instrument :
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ClientSampleId :
VSTDCCC010

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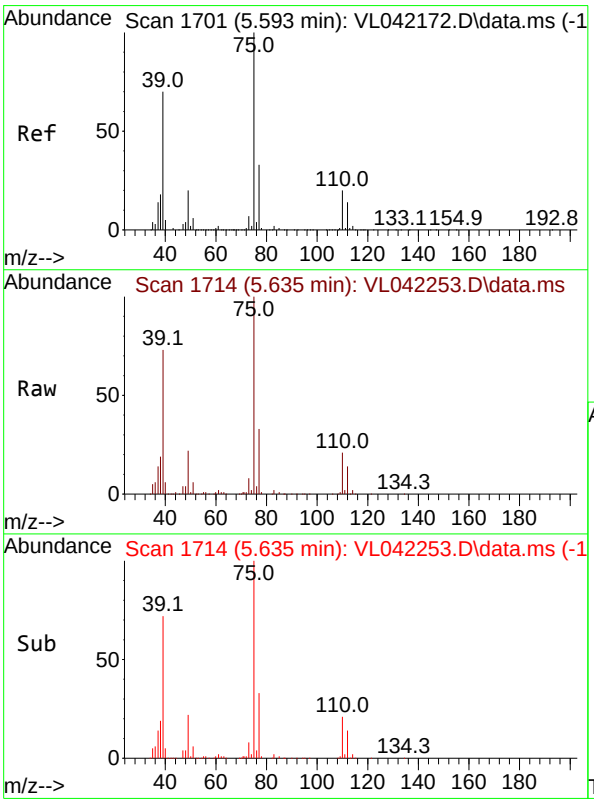
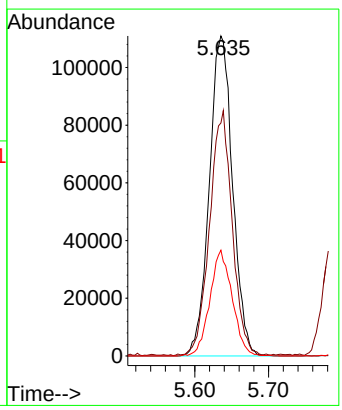
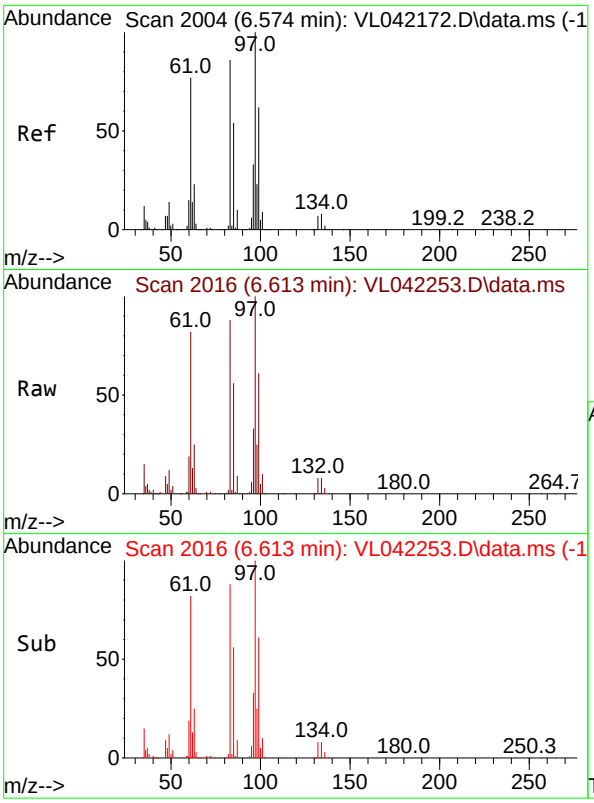


#46
cis-1,3-Dichloropropene
Concen: 8.880 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.042 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 75 Resp: 243227

Ion	Ratio	Lower	Upper
75	100		
39	72.4	55.8	83.6
77	33.1	26.0	39.0

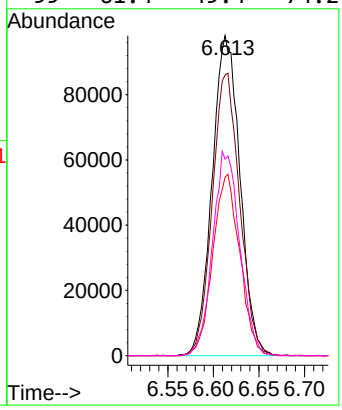




#47
1,1,2-Trichloroethane
Concen: 11.011 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 97 Resp: 20855

Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.2	103.8
85	55.8	43.1	64.7
99	61.4	49.4	74.2



Instrument :
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ClientSampleId :
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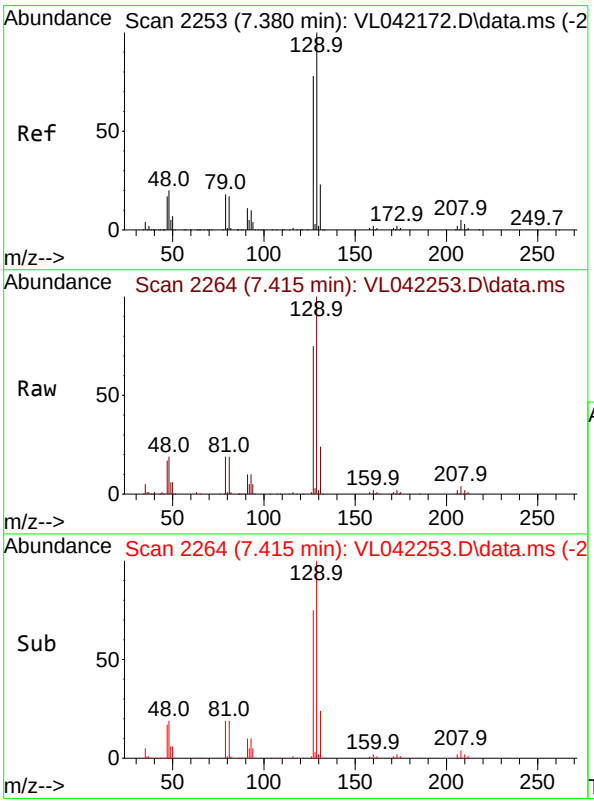
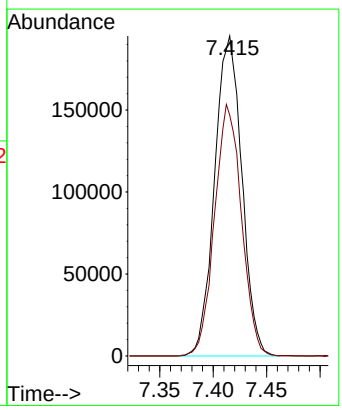
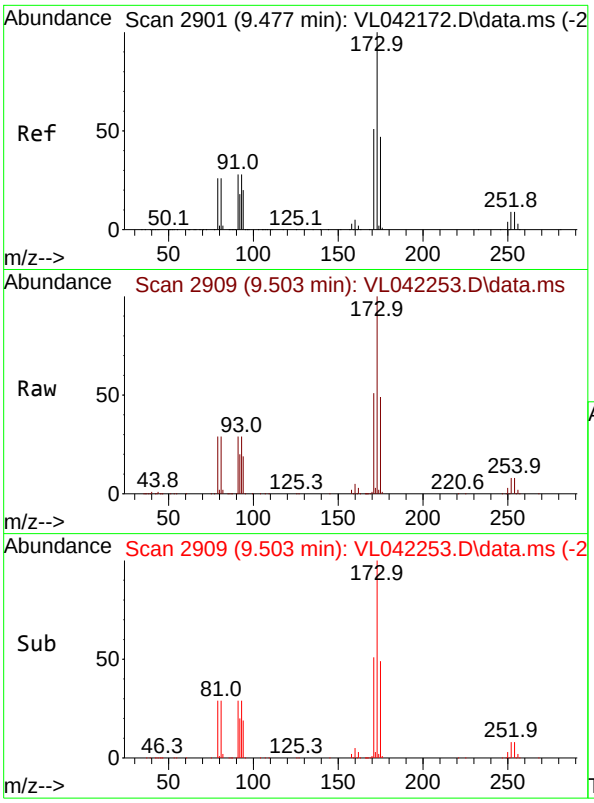


#48
Dibromochloromethane
Concen: 10.783 ppbv
RT: 7.415 min Scan# 2264
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:129 Resp: 346117

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2

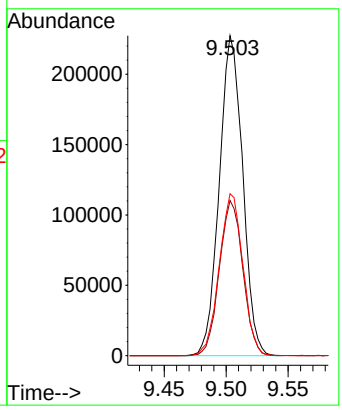




#49
Bromoform
Concen: 10.395 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:173 Resp: 29958

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	57.8
171	51.3	41.8	62.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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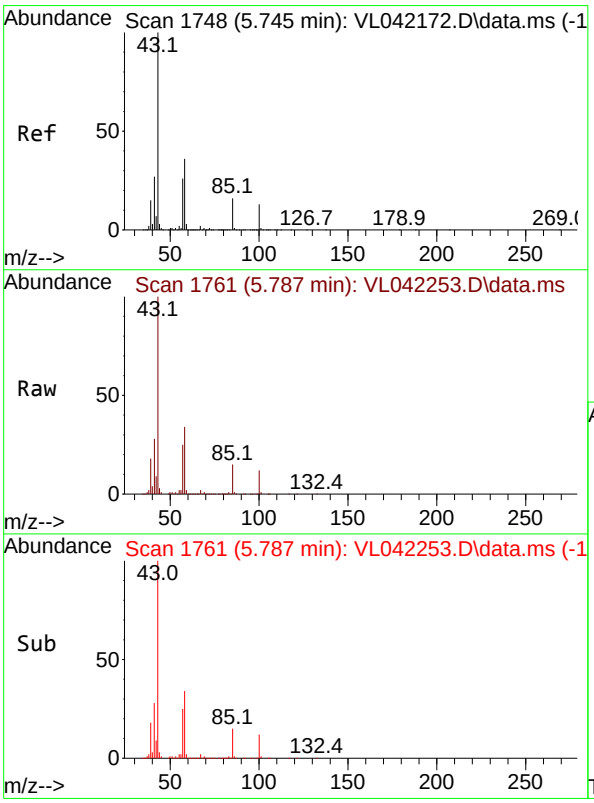
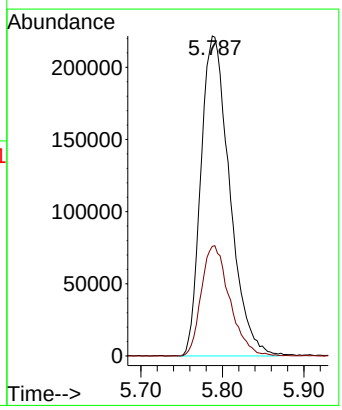
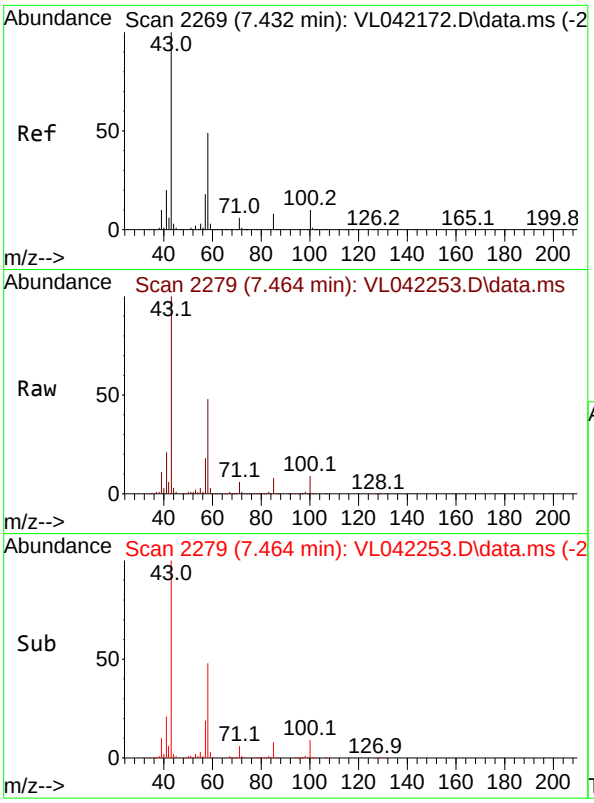


#50
4-Methyl-2-Pentanone
Concen: 9.519 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.042 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 542853

Ion	Ratio	Lower	Upper
43	100		
58	34.0	29.0	43.6

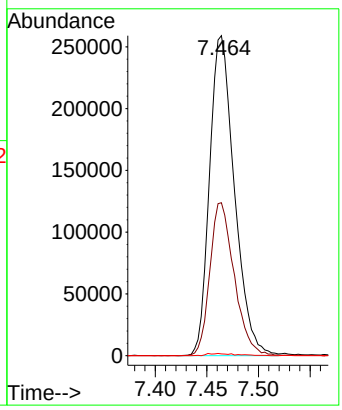




#51
2-Hexanone
Concen: 9.266 ppbv
RT: 7.464 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 43392

Ion	Ratio	Lower	Upper
43	100		
58	46.9	39.7	59.5
98	0.8	0.1	0.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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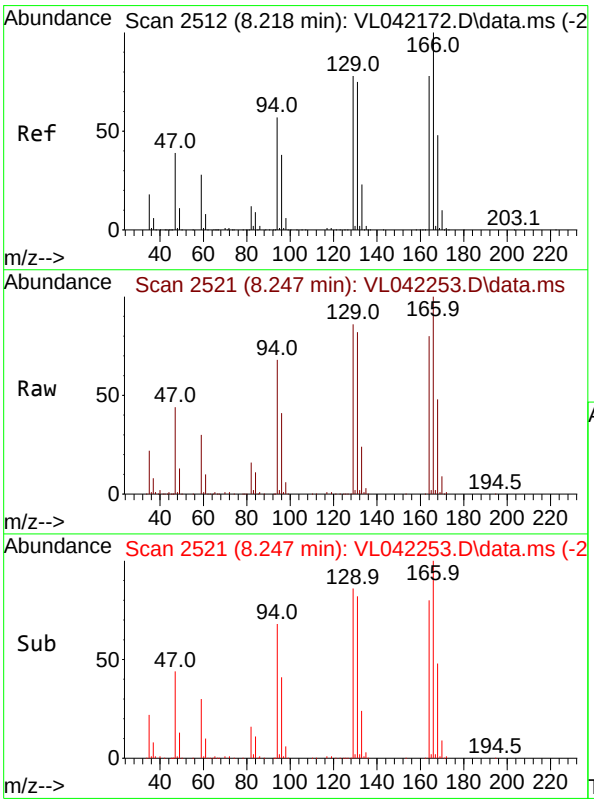
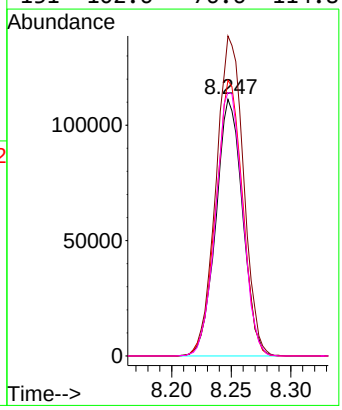
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

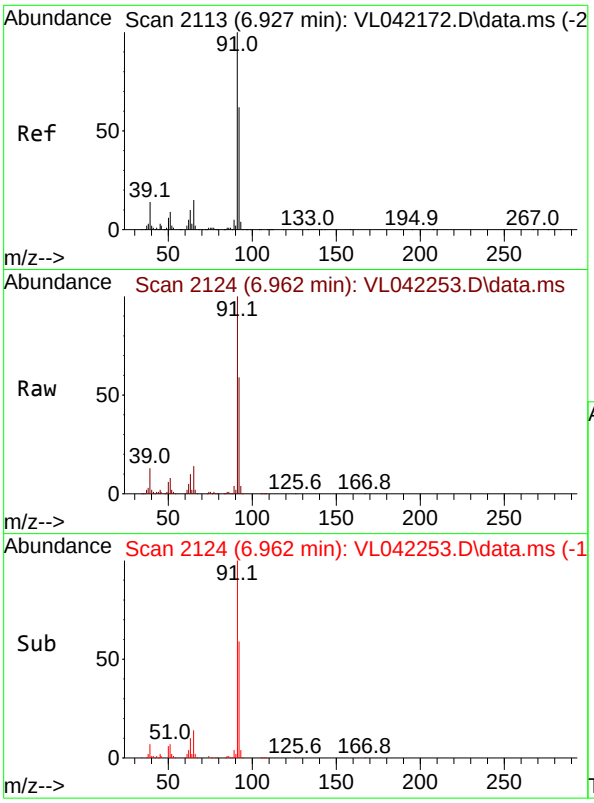


#52
Tetrachloroethene
Concen: 8.862 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:164 Resp: 172915

Ion	Ratio	Lower	Upper
164	100		
166	124.7	102.5	153.7
129	107.4	79.8	119.8
131	102.6	76.6	114.8

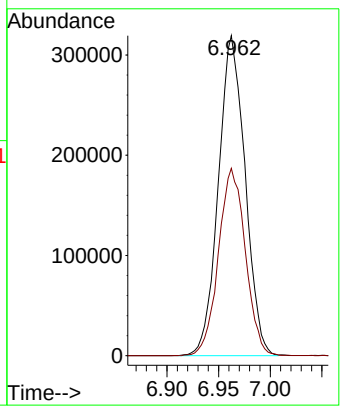




#53
Toluene
Concen: 9.853 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 57466

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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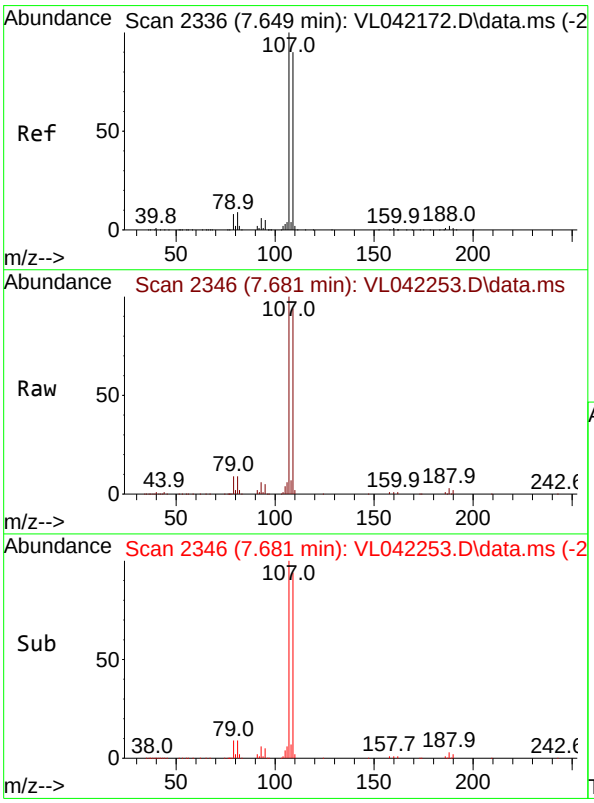
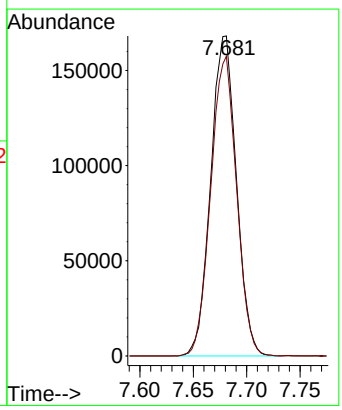
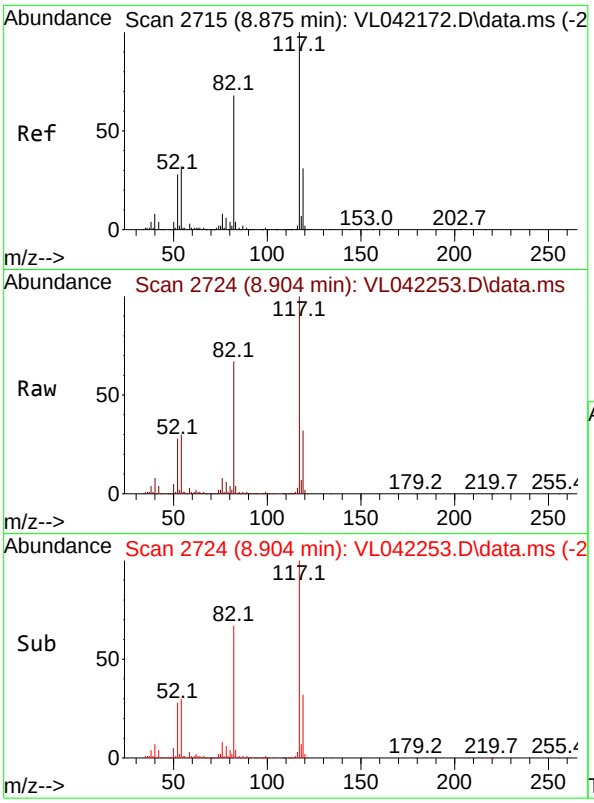


#54
1,2-Dibromoethane
Concen: 10.659 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:107 Resp: 281436

Ion	Ratio	Lower	Upper
107	100		
109	93.6	72.2	108.4

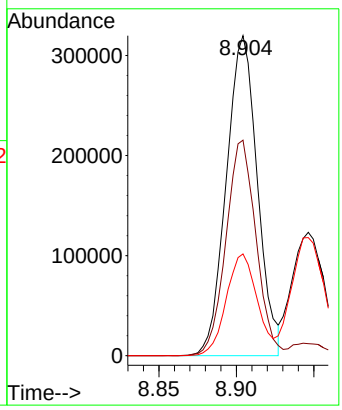




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:117 Resp: 44695

Ion	Ratio	Lower	Upper
117	100		
82	69.4	55.8	83.6
119	31.7	25.5	38.3



Instrument :
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ClientSampleId :
VSTDCCC010

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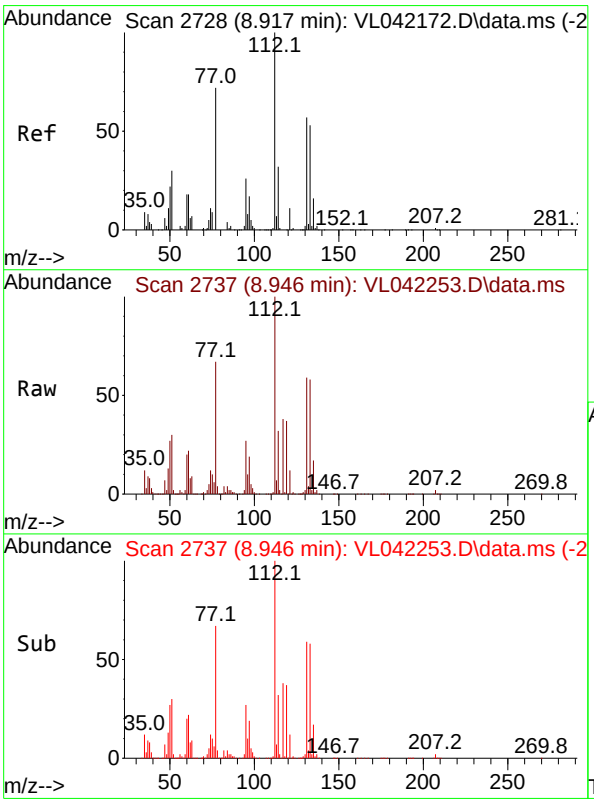
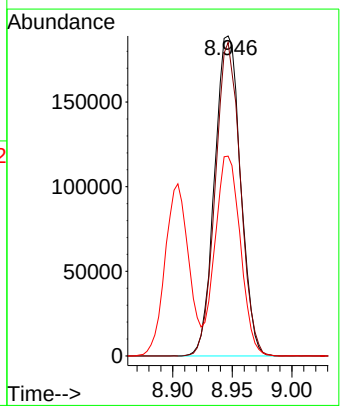
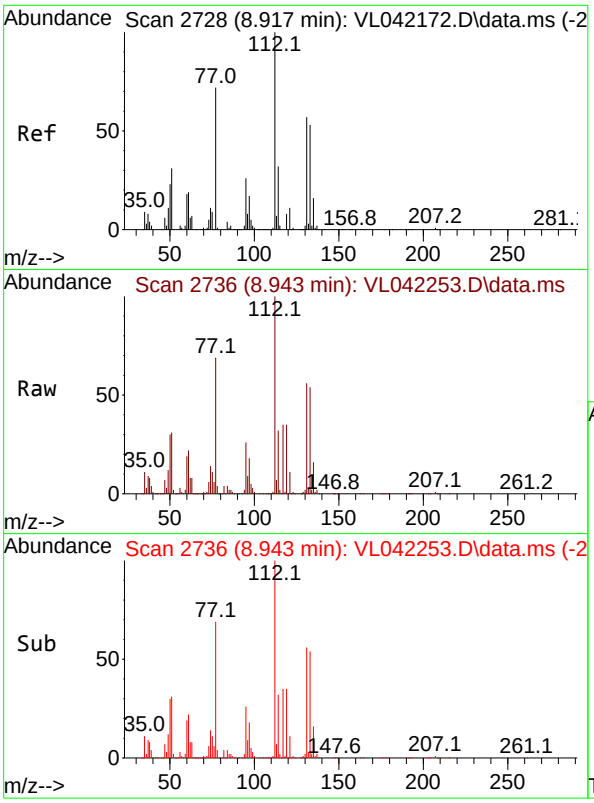


#56
1,1,1,2-Tetrachloroethane
Concen: 11.647 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:131 Resp: 286554

Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.6	114.8
119	62.4	49.8	74.6

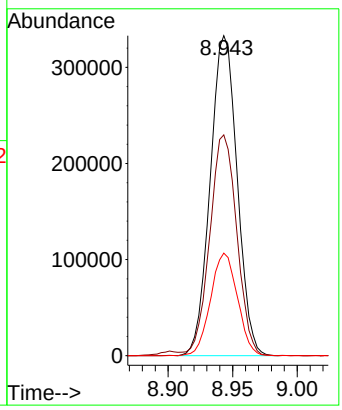




#57
Chlorobenzene
Concen: 11.411 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:112 Resp: 48378

Ion	Ratio	Lower	Upper
112	100		
77	69.0	58.2	87.2
114	32.1	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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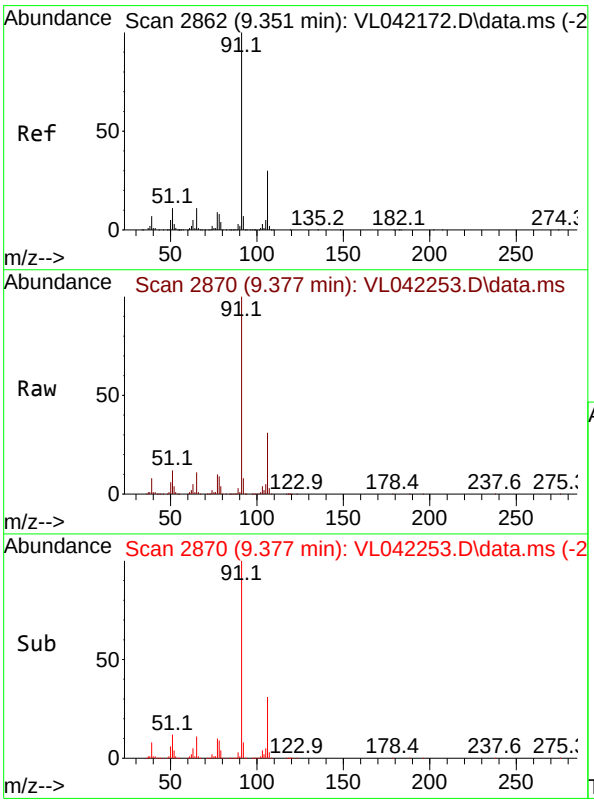
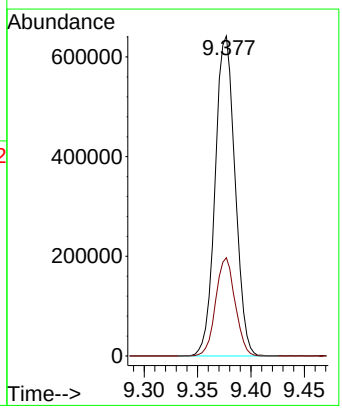
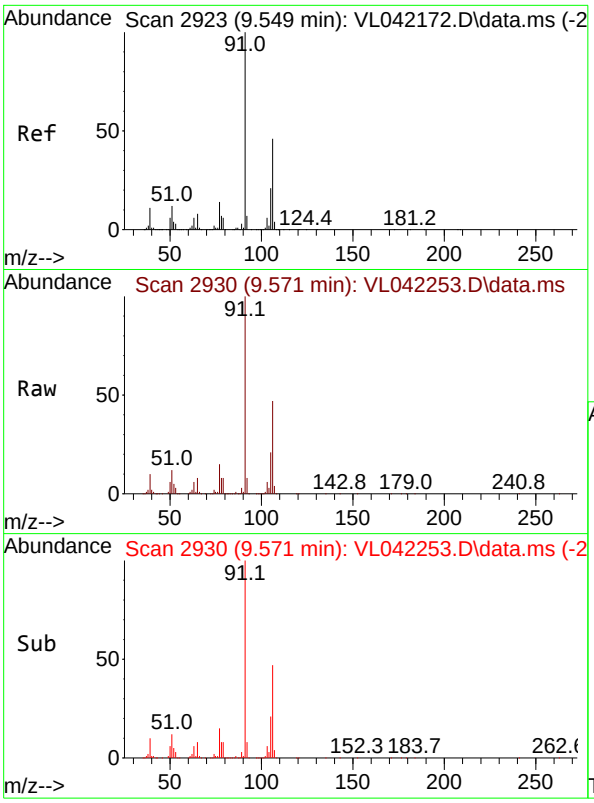


#58
Ethyl Benzene
Concen: 10.479 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 831947

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.2





#59
m/p-Xylene
Concen: 22.266 ppbv m
RT: 9.571 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 141155

Ion	Ratio	Lower	Upper
91	100		
106	46.4	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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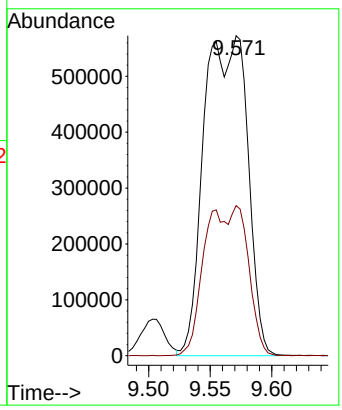
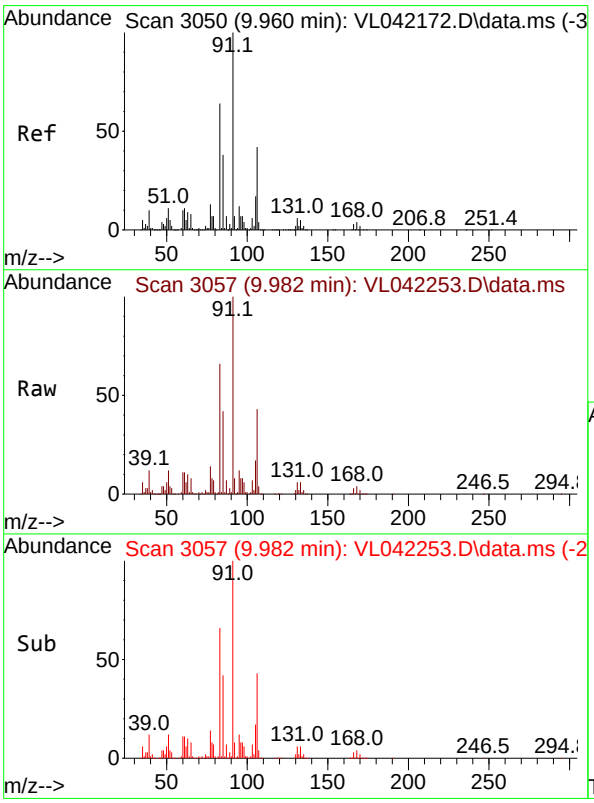
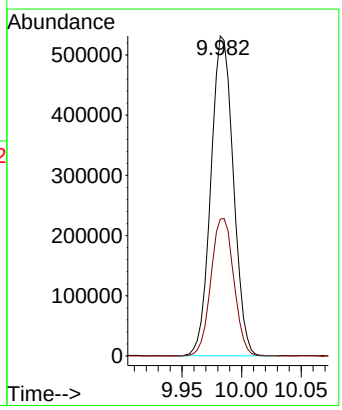


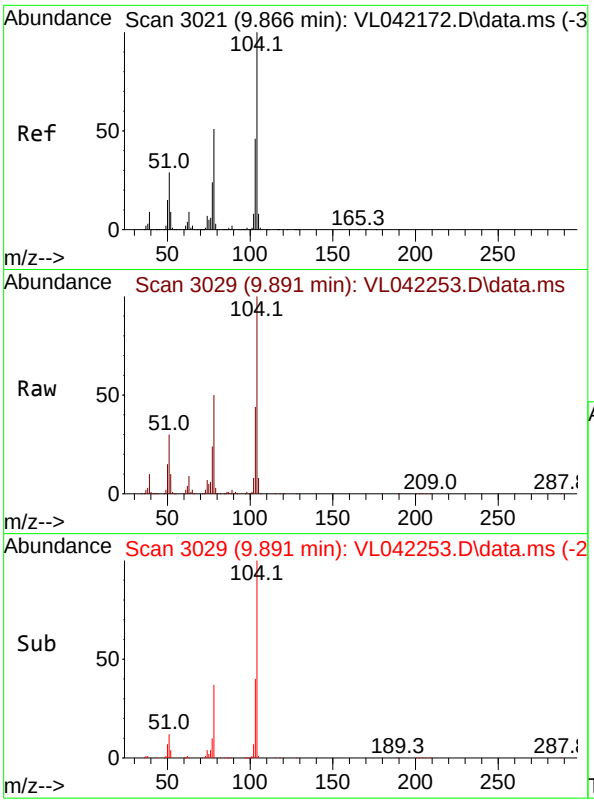


#60
o-Xylene
Concen: 10.958 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 696371

Ion	Ratio	Lower	Upper
91	100		
106	43.8	20.8	62.5

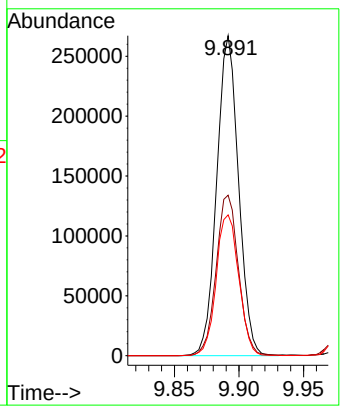




#61
Styrene
Concen: 9.965 ppbv
RT: 9.891 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:104 Resp: 31330

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.8	62.6
103	45.8	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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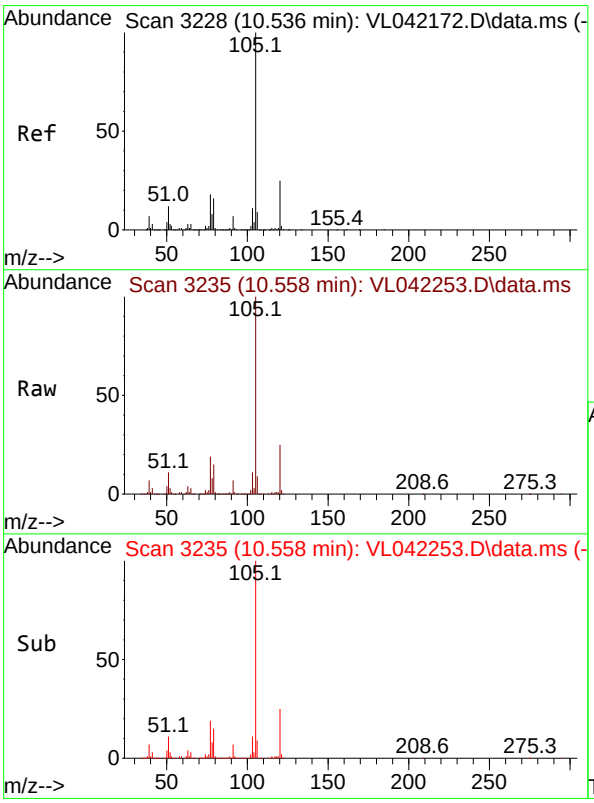
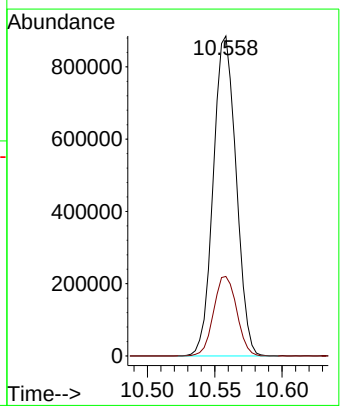
Supervised By :Mahesh Dadoda 04/09/2025

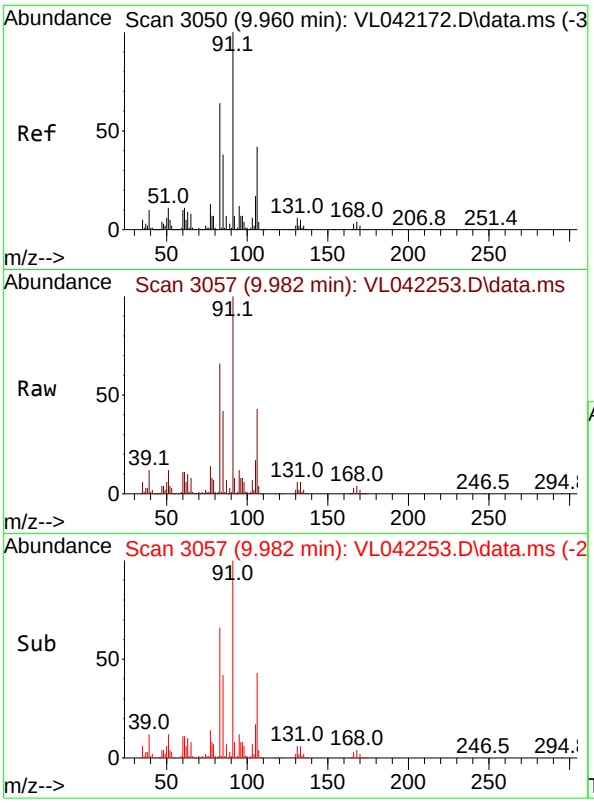


#62
Isopropylbenzene
Concen: 10.988 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 1044218

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 11.938 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 46096

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	64.0	32.5	97.5

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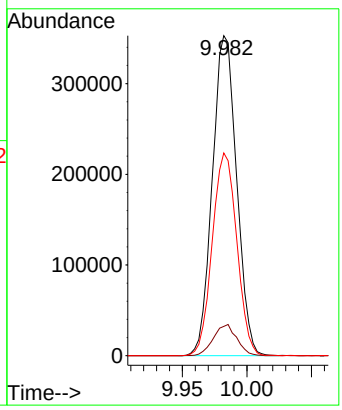
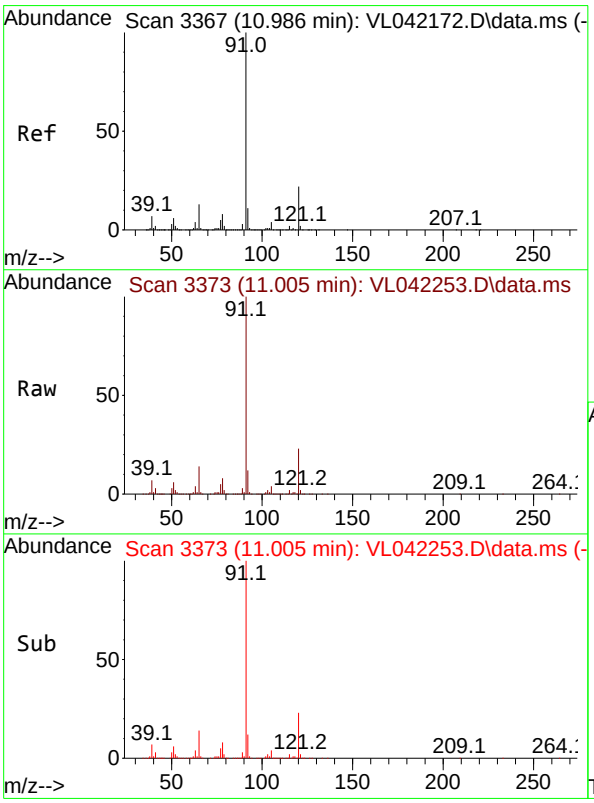
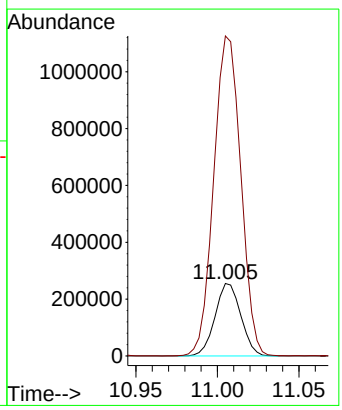


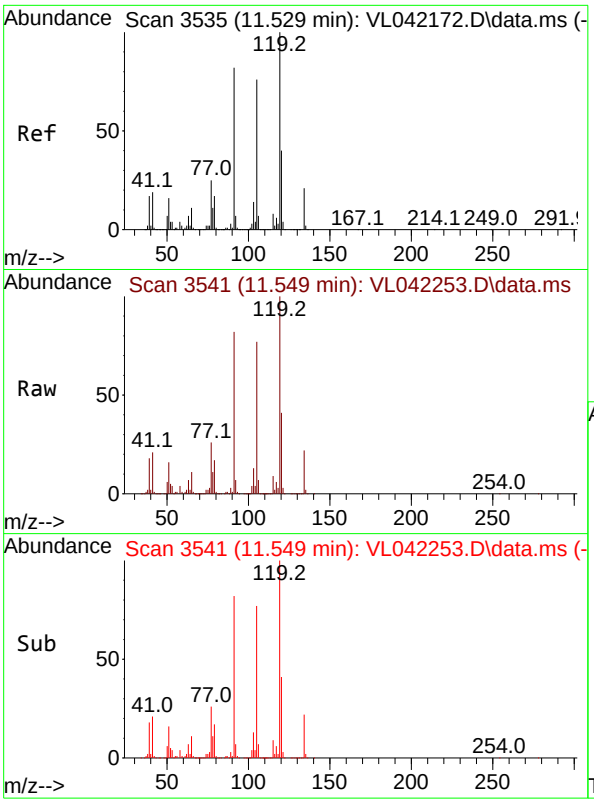


#64
n-propylbenzene
Concen: 11.439 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:120 Resp: 279848

Ion	Ratio	Lower	Upper
120	100		
91	464.8	376.9	565.3

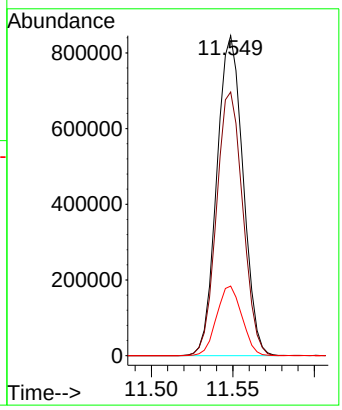




#65
tert-Butylbenzene
Concen: 10.755 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:119 Resp: 94523

Ion	Ratio	Lower	Upper
119	100		
91	82.7	66.0	99.0
134	21.0	16.7	25.1



Instrument :
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ClientSampleId :
VSTDCCC010

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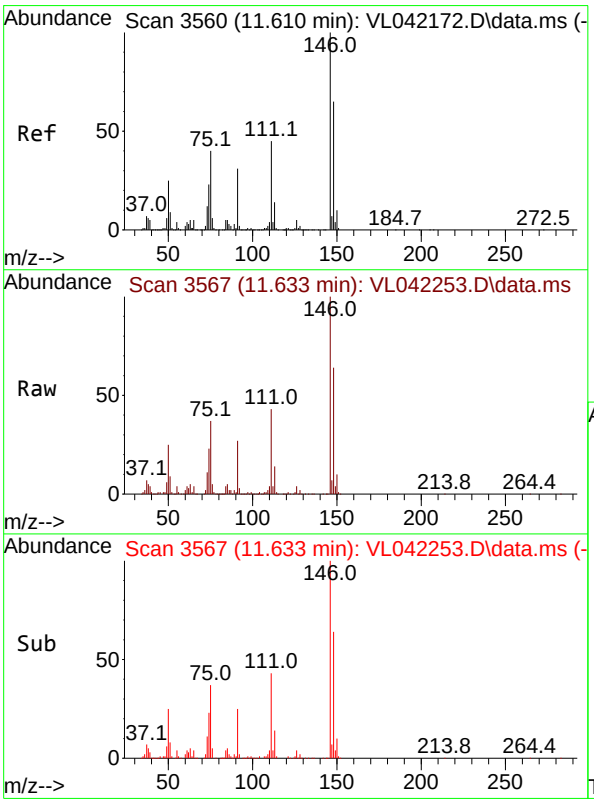
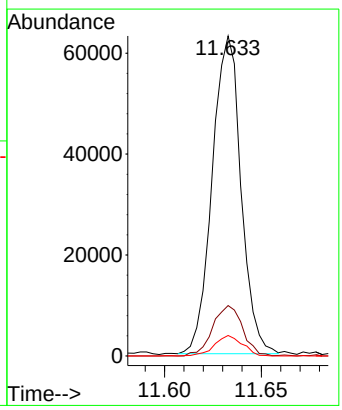
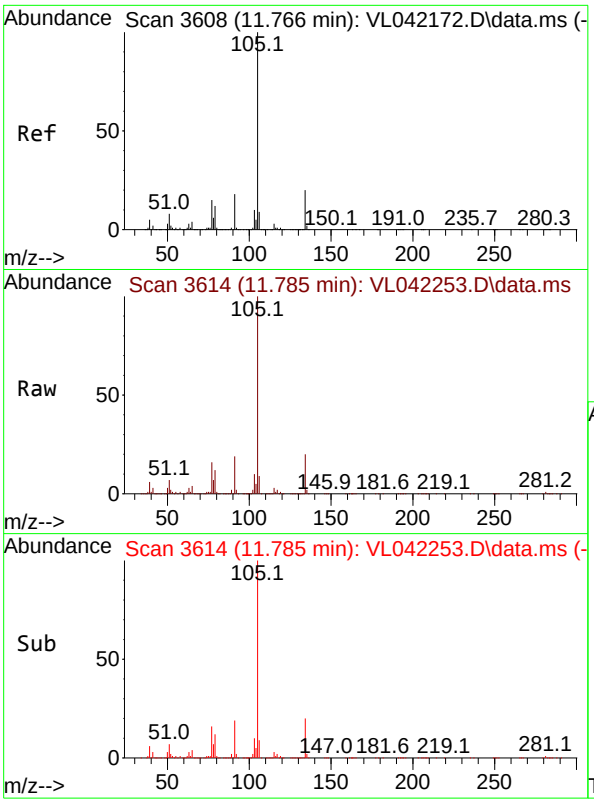


#66
Benzyl Chloride
Concen: 6.992 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 65203

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.8	20.6
128	6.3	4.5	6.7

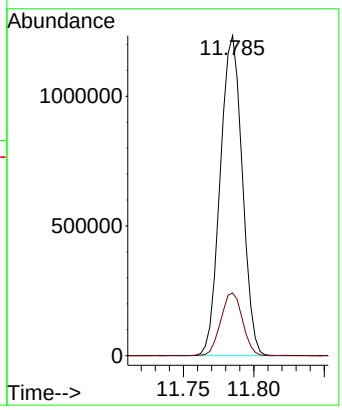




#67
sec-Butylbenzene
Concen: 10.994 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 134306

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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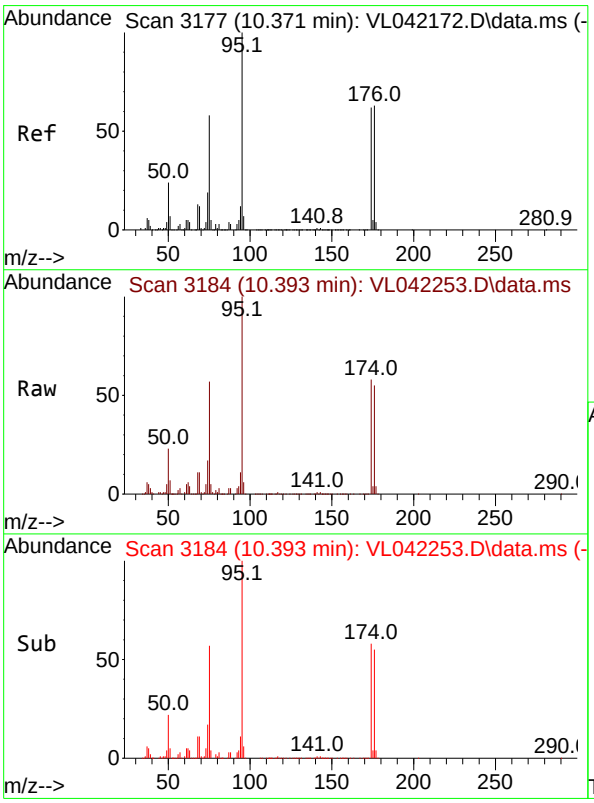
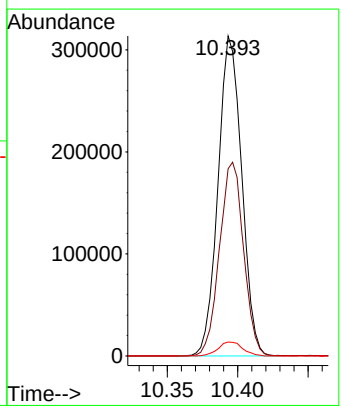
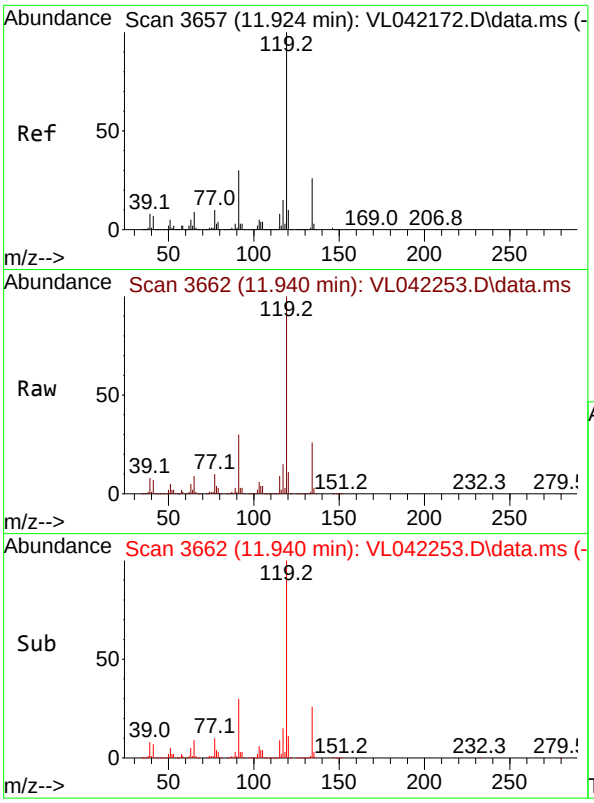


#68
1-Bromo-4-Fluorobenzene
Concen: 9.991 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 95 Resp: 366722

Ion	Ratio	Lower	Upper
95	100		
174	61.7	50.6	76.0
175	4.5	3.8	5.6

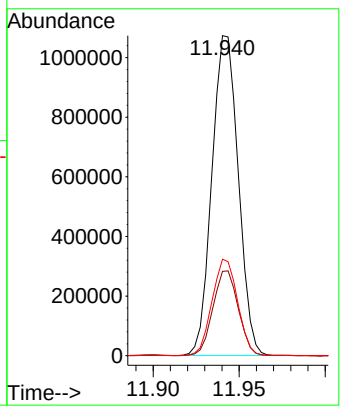




#69
p-Isopropyltoluene
Concen: 10.882 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:119 Resp: 114475

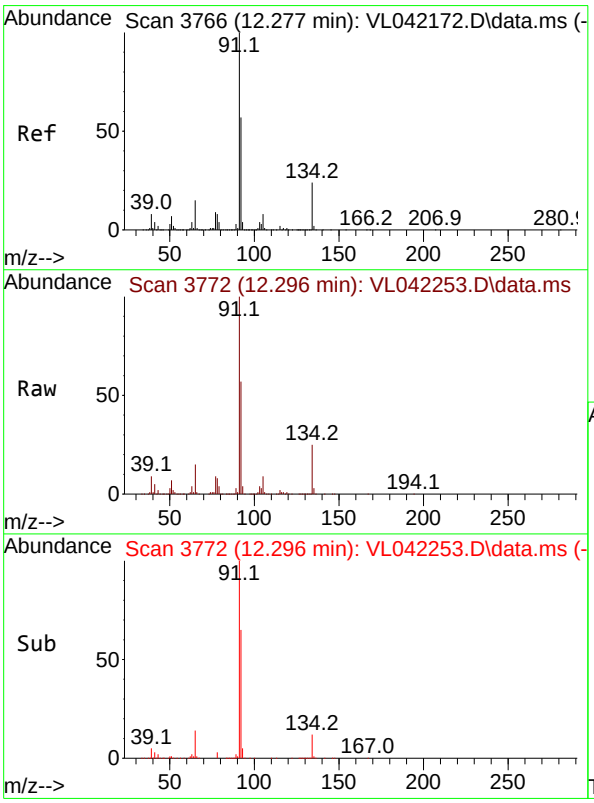
Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.4	30.6
91	29.3	23.7	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

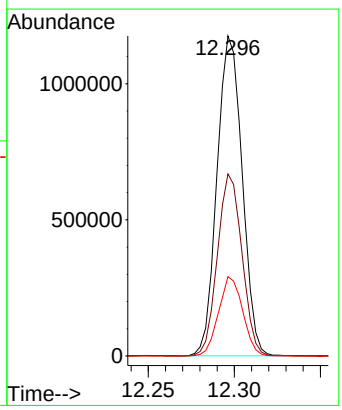
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

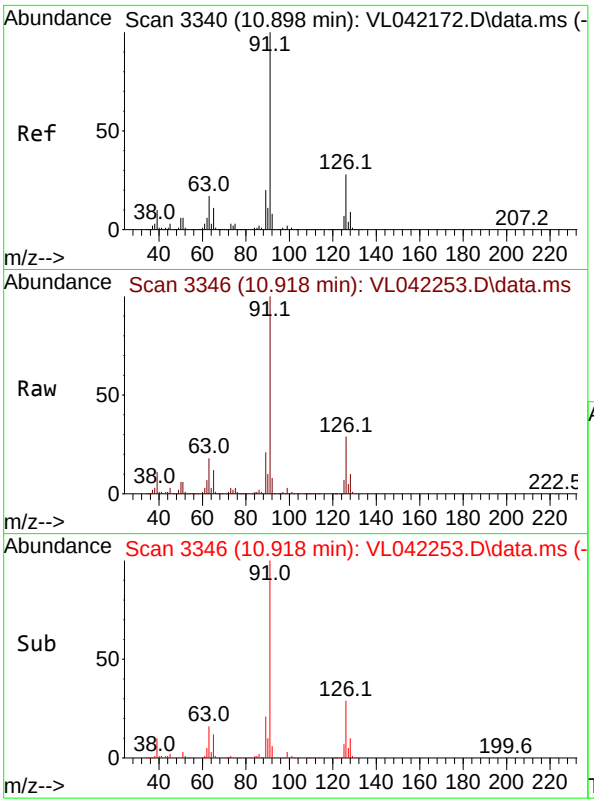


#70
n-Butylbenzene
Concen: 11.103 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 1194481

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.9	67.3
134	23.8	19.2	28.8

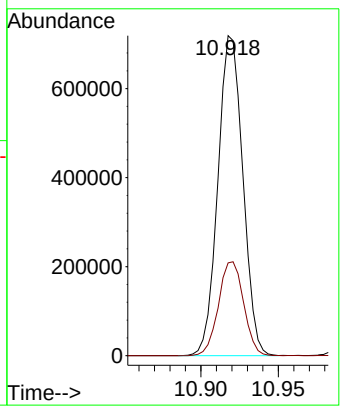




#71
2-Chlorotoluene
Concen: 10.935 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 80657

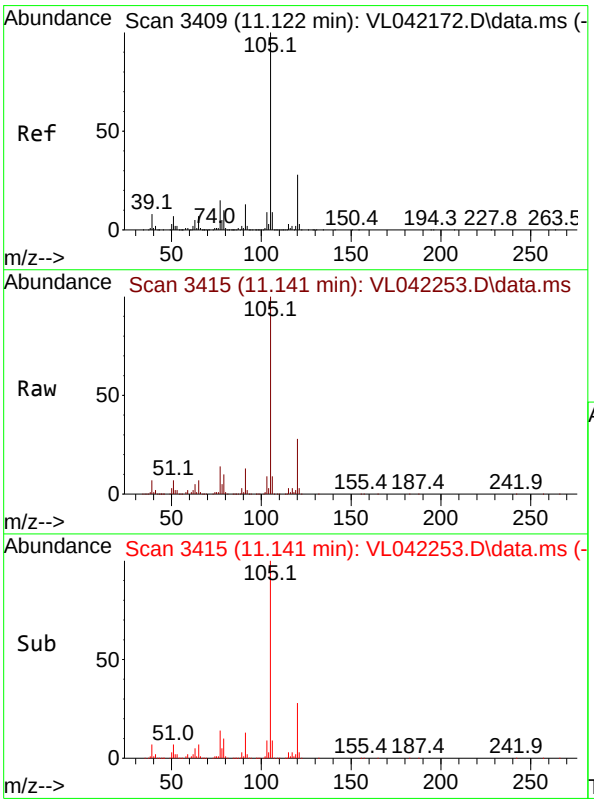
Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

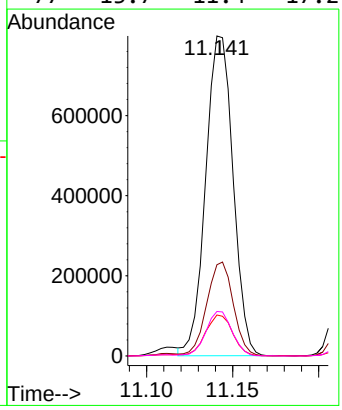
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

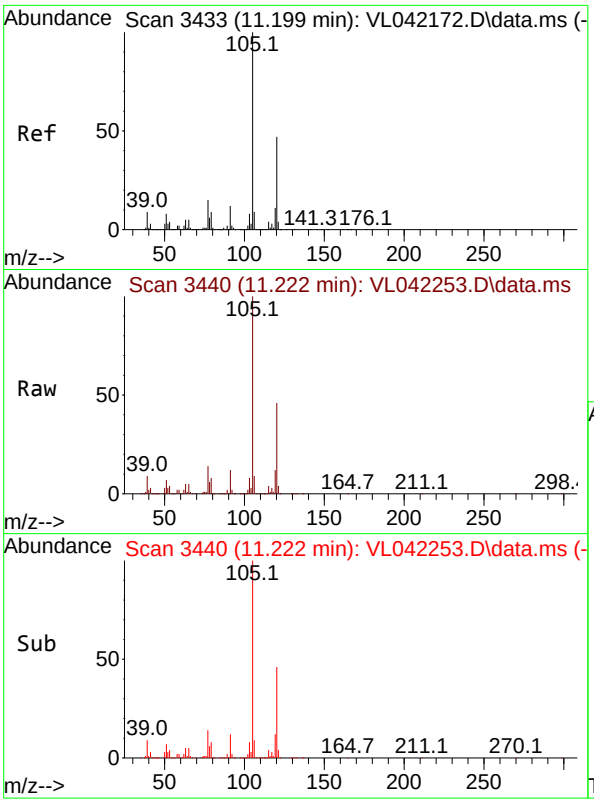


#72
4-Ethyltoluene
Concen: 11.190 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 885452

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.4	35.0
91	13.2	10.3	15.5
77	13.7	11.4	17.2

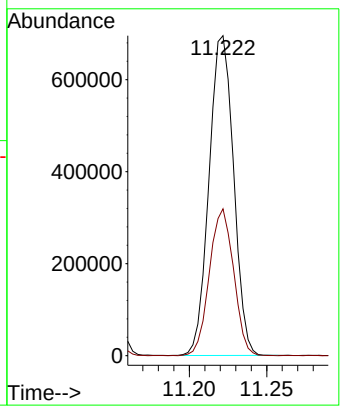




#73
1,3,5-Trimethylbenzene
Concen: 11.080 ppbv
RT: 11.222 min Scan# 34
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 76570

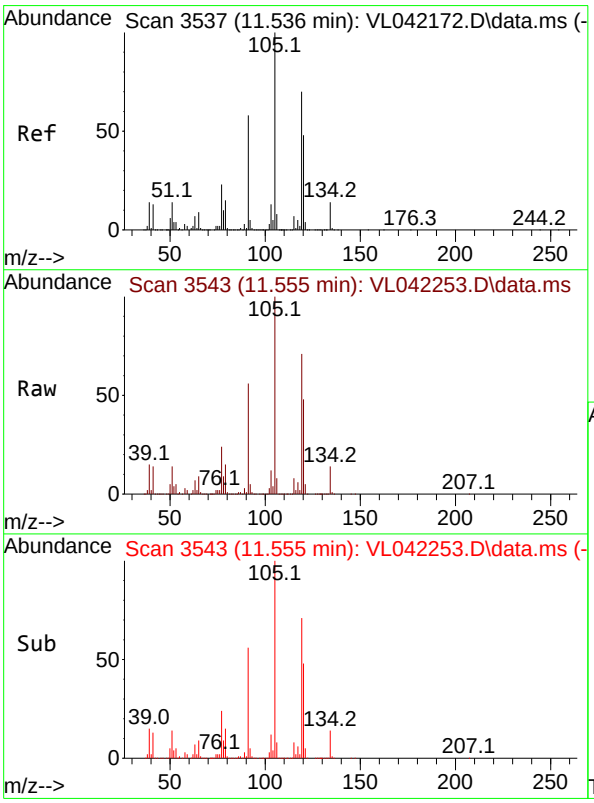
Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

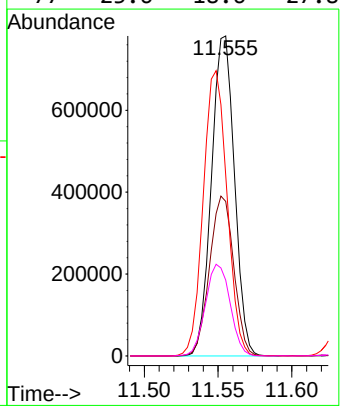
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

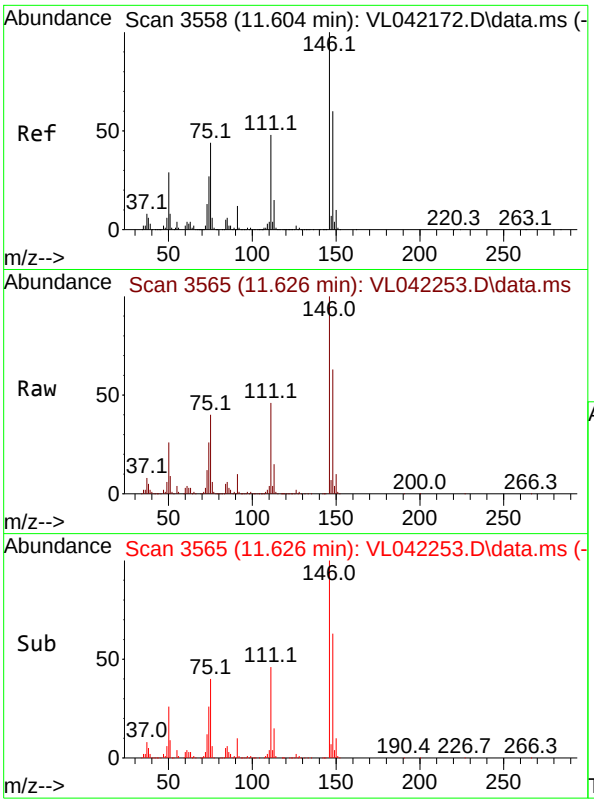


#74
1,2,4-Trimethylbenzene
Concen: 10.660 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 848667

Ion	Ratio	Lower	Upper
105	100		
120	48.3	38.6	58.0
91	56.4	46.2	69.2
77	23.6	18.6	27.8

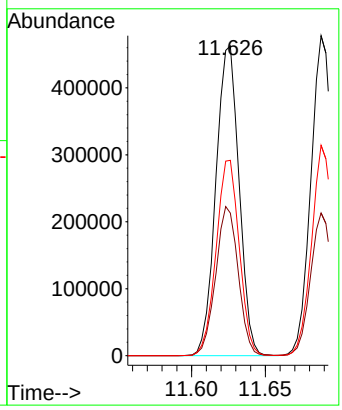




#75
1,3-Dichlorobenzene
Concen: 11.584 ppbv
RT: 11.626 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:146 Resp: 50582

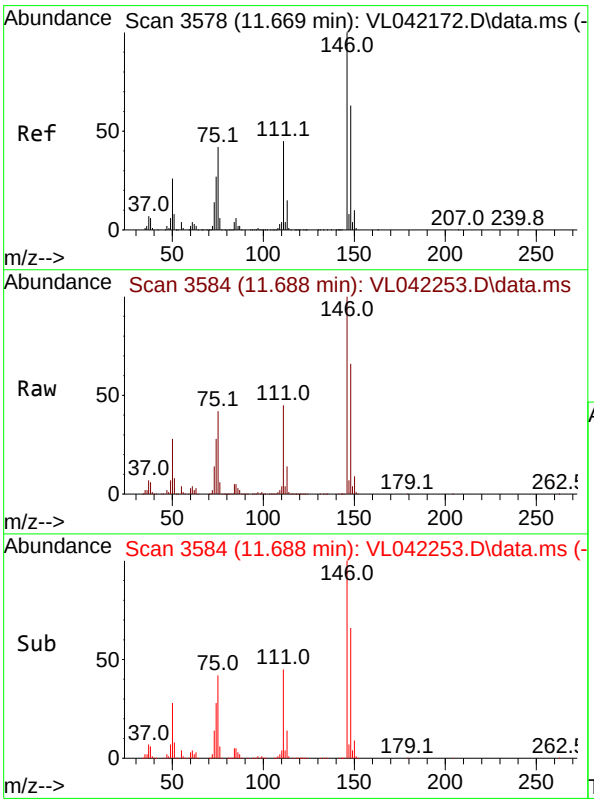
Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.8	71.2
148	62.9	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

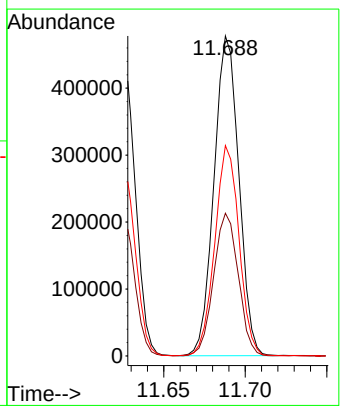
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

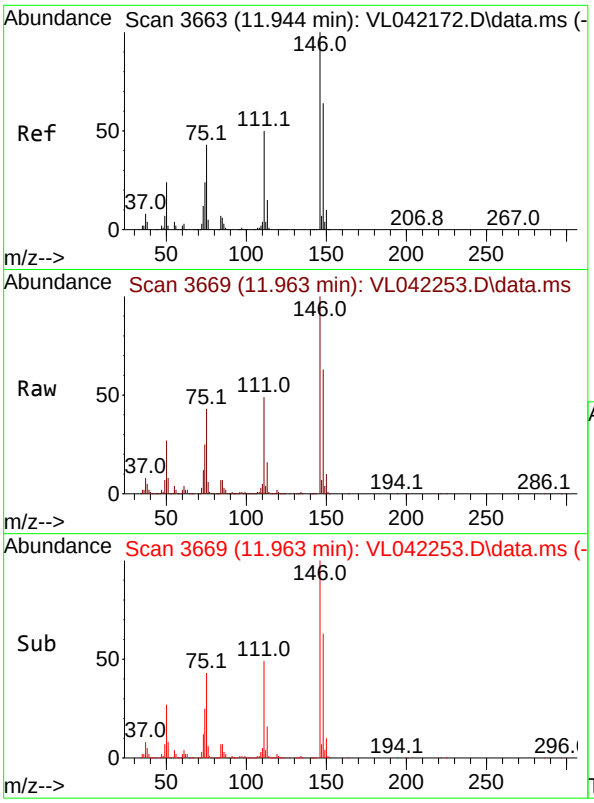


#76
1,4-Dichlorobenzene
Concen: 11.634 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:146 Resp: 505562

Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.0	69.0
148	64.5	31.9	95.7





#77
1,2-Dichlorobenzene
Concen: 11.837 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

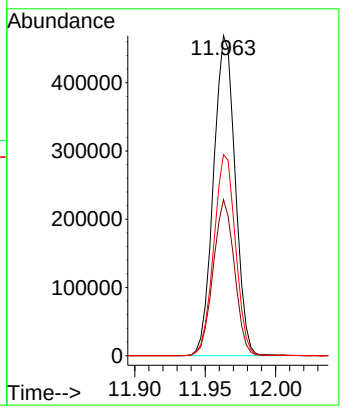
Tgt Ion:146 Resp: 50327

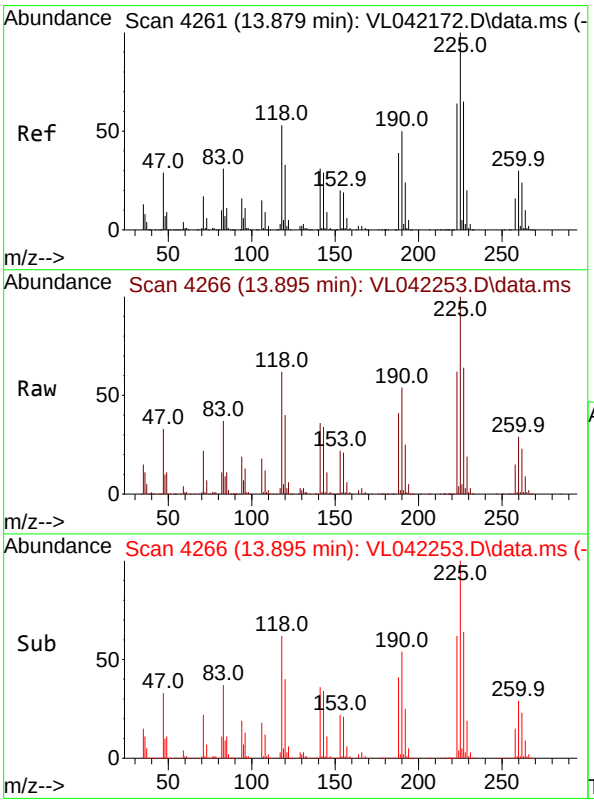
Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.8	74.3
148	63.0	31.6	94.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

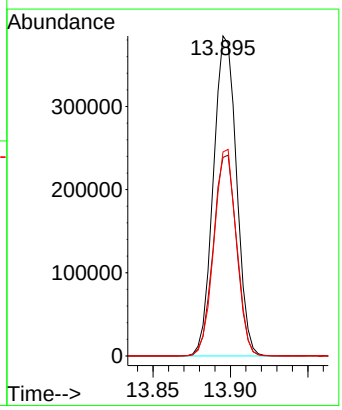


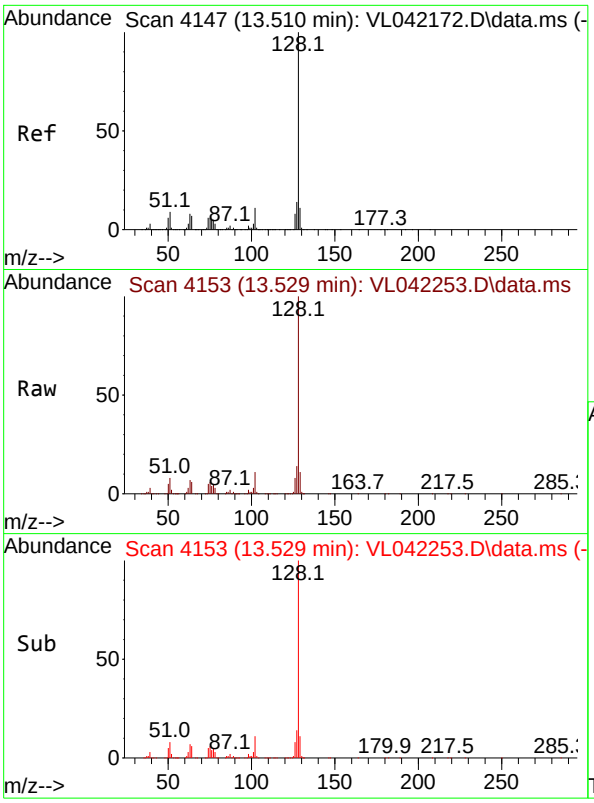


#78
Hexachloro-1,3-Butadiene
Concen: 9.223 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:225 Resp: 399147

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	62.9	51.2	76.8

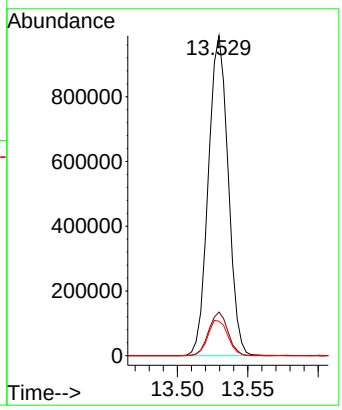




#79
Naphthalene
Concen: 11.108 ppbv
RT: 13.529 min Scan# 4
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:128 Resp: 96731

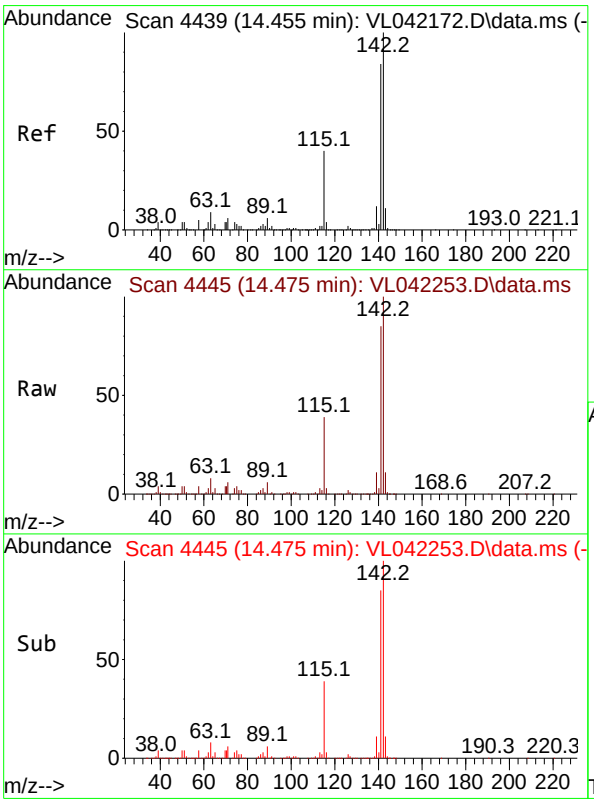
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	10.8	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

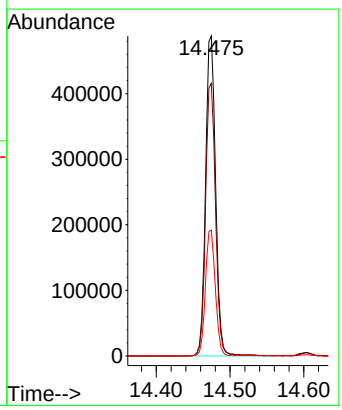
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

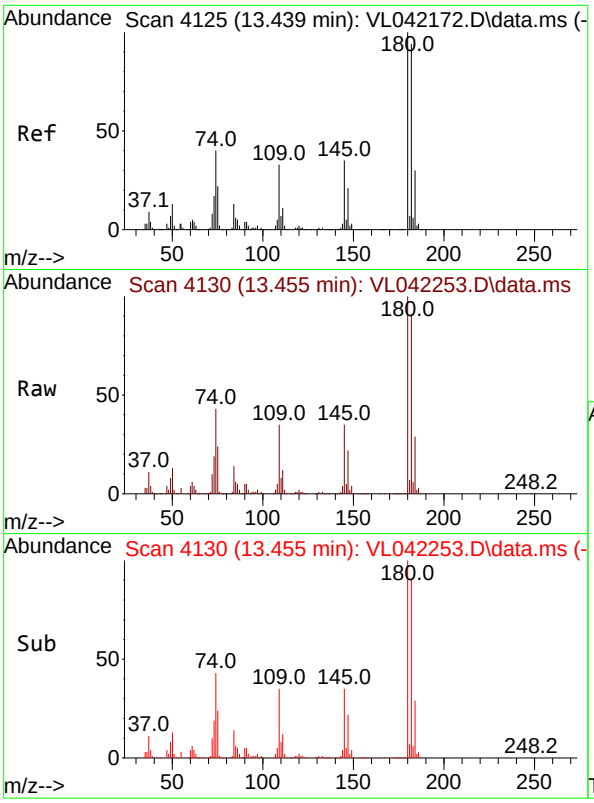


#80
Naphthalene,2-methyl-
Concen: 10.723 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:142 Resp: 457943

Ion	Ratio	Lower	Upper
142	100		
141	85.5	66.3	99.5
115	39.3	31.6	47.4

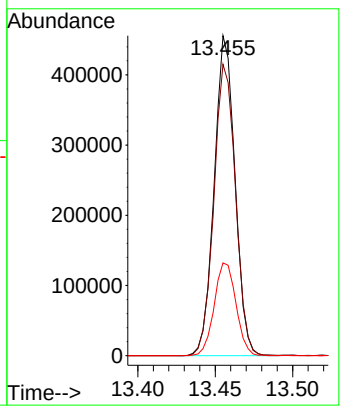




#81
1,2,4-Trichlorobenzene
Concen: 10.592 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:180 Resp: 42546

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.1	112.7
184	30.4	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042253.D
Acq On : 08 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 09 01:50:44 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	103	0.02
2	T	Dichlorodifluoromethane	1.476	1.419	3.9	104	0.00
3		Chlorodifluoromethane	1.508	1.506	0.1	107	0.00
4		Chloromethane	0.603	0.587	2.7	106	0.00
5	T	Vinyl Chloride	0.639	0.552	13.6	104	0.00
6	T	Bromomethane	0.273	0.248	9.2	100	0.00
7		Chloroethane	0.242	0.223	7.9	101	0.00
8	T	Dichlorotetrafluoroethane	1.257	1.201	4.5	102	0.00
9	T	Propene	0.691	0.560	19.0	88	0.00
10	T	Heptane	1.839	1.736	5.6	100	0.04
11	T	Trichlorofluoromethane	1.437	1.367	4.9	105	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.181	1.059	10.3	97	0.01
13		Ethanol	0.065	0.031#	52.3#	111	0.00
14	T	Bromoethene	0.452	0.382	15.5	94	0.01
15	T	Acetone	1.399	1.213	13.3	112	0.00
16	T	1,3-Butadiene	0.683	0.590	13.6	106	0.00
17		tert-Butyl alcohol	1.742	1.370	21.4	87	0.01
18	T	1,1-Dichloroethene	0.552	0.464	15.9	95	0.01
19	T	Isopropyl Alcohol	0.789	0.683	13.4	100	0.00
20	T	Methylene Chloride	0.521	0.408	21.7	96	0.01
21	T	Allyl Chloride	0.986	0.847	14.1	97	0.02
22	T	trans-1,2-Dichloroethene	0.638	0.551	13.6	96	0.02
23	T	Vinyl Acetate	0.605	0.503	16.9	104	0.02
24	T	1,1-Dichloroethane	1.183	1.114	5.8	102	0.02
25	T	Ethyl Acetate	3.630	3.522	3.0	105	0.02
26	T	Hexane	1.402	1.336	4.7	103	0.02
27	T	Carbon Disulfide	1.503	1.317	12.4	95	0.01
28	T	Methyl tert-Butyl Ether	0.873	0.705	19.2	87	0.02
29	T	Chloroform	2.052	2.115	-3.1	113	0.02
30	T	Cyclohexane	1.217	1.075	11.7	95	0.03
31	T	cis-1,2-Dichloroethene	1.423	1.295	9.0	97	0.02
32	T	1,1,1-Trichloroethane	2.349	2.094	10.9	105	0.02
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.03
34	T	2-Butanone	0.725	0.757	-4.4	103	0.02
35	T	Carbon Tetrachloride	0.781	0.854	-9.3	111	0.03
36	T	Benzene	0.991	1.038	-4.7	101	0.03
37	T	1,2-Dichloroethane	0.568	0.631	-11.1	107	0.02
38	T	Trichloroethene	0.414	0.415	-0.2	101	0.03
39	T	1,2-Dichloropropane	0.361	0.379	-5.0	103	0.03
40	T	1,4-Dioxane	0.192	0.180	6.3	97	0.04
41	T	Tetrahydrofuran	0.418	0.421	-0.7	96	0.02
42	T	Bromodichloromethane	0.782	0.879	-12.4	104	0.03
43		Methyl Methacrylate	0.420	0.390	7.1	88	0.04
44	T	2,2,4-Trimethylpentane	1.675	1.790	-6.9	101	0.03
45	T	t-1,3-Dichloropropene	0.450	0.373	17.1	77	0.05
46	T	cis-1,3-Dichloropropene	0.552	0.490	11.2	81	0.04
47	T	1,1,2-Trichloroethane	0.382	0.420	-9.9	105	0.04
48	T	Dibromochloromethane	0.647	0.697	-7.7	100	0.04

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042253.D
Acq On : 08 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 09 01:50:44 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	0.604	-4.0	94	0.03
50	T	4-Methyl-2-Pentanone	1.149	1.094	4.8	97	0.04
51	T	2-Hexanone	0.944	0.874	7.4	94	0.03
52	T	Tetrachloroethene	0.393	0.348	11.5	93	0.03
53	T	Toluene	1.175	1.158	1.4	94	0.04
54	T	1,2-Dibromoethane	0.532	0.567	-6.6	102	0.03
55	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.03
56		1,1,1,2-Tetrachloroethane	0.550	0.641	-16.5	108	0.03
57	T	Chlorobenzene	0.949	1.082	-14.0	106	0.03
58	T	Ethyl Benzene	1.776	1.861	-4.8	96	0.03
59	T	m/p-Xylene	1.418	1.579	-11.4	103	0.02
60	T	o-Xylene	1.422	1.558	-9.6	101	0.02
61	T	Styrene	0.703	0.701	0.3	88	0.03
62		Isopropylbenzene	2.126	2.336	-9.9	102	0.02
63	T	1,1,2,2-Tetrachloroethane	0.864	1.031	-19.3	112	0.02
64		n-propylbenzene	0.547	0.626	-14.4	108	0.02
65		tert-Butylbenzene	1.966	2.115	-7.6	105	0.02
66	T	Benzyl Chloride	0.209	0.146	30.1#	62	0.02
67		sec-Butylbenzene	2.733	3.005	-10.0	108	0.02
68	S	1-Bromo-4-Fluorobenzene	0.821	0.820	0.1	87	0.02
69		p-Isopropyltoluene	2.354	2.561	-8.8	106	0.02
70		n-Butylbenzene	2.407	2.672	-11.0	108	0.02
71		2-Chlorotoluene	1.650	1.805	-9.4	101	0.02
72	T	4-Ethyltoluene	1.770	1.981	-11.9	105	0.02
73	T	1,3,5-Trimethylbenzene	1.546	1.713	-10.8	106	0.02
74	T	1,2,4-Trimethylbenzene	1.781	1.899	-6.6	108	0.02
75	T	1,3-Dichlorobenzene	0.977	1.132	-15.9	110	0.02
76	T	1,4-Dichlorobenzene	0.972	1.131	-16.4	110	0.02
77	T	1,2-Dichlorobenzene	0.951	1.126	-18.4	114	0.02
78	T	Hexachloro-1,3-Butadiene	0.968	0.893	7.7	96	0.02
79	T	Naphthalene	1.948	2.164	-11.1	103	0.02
80	T	Naphthalene,2-methyl-	0.955	1.025	-7.3	89	0.02
81	T	1,2,4-Trichlorobenzene	0.899	0.952	-5.9	95	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

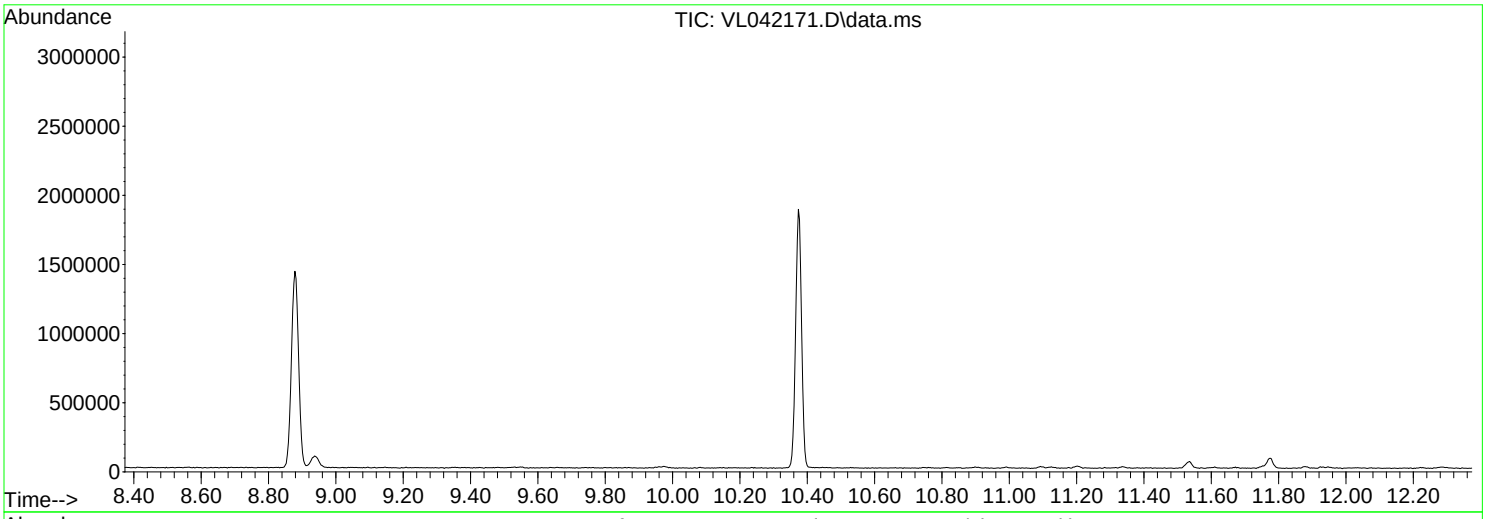
BFB

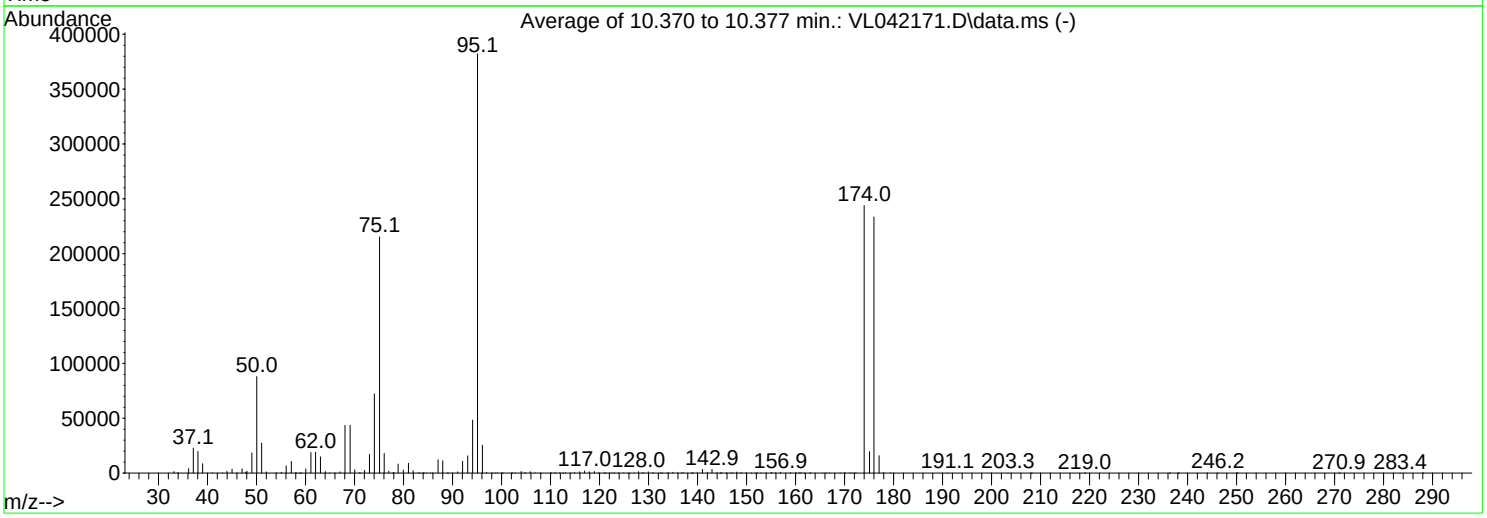
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042171.D
Acq On : 27 Mar 2025 07:44
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

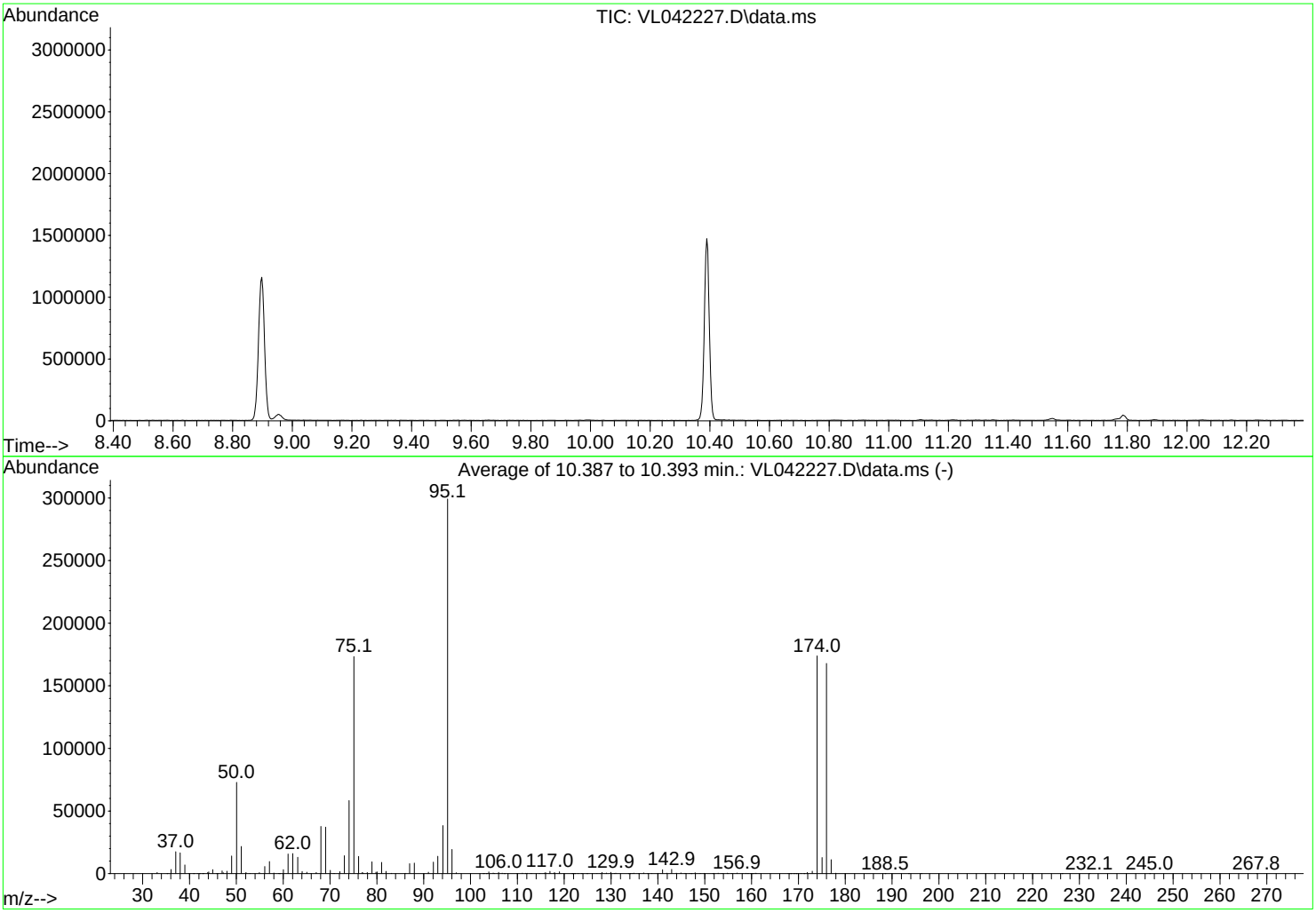
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042227.D
Acq On : 07 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 3182, 3183, 3184; 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	72901	PASS
75	95	30	66	57.9	173376	PASS
95	95	100	100	100.0	299221	PASS
96	95	5	9	6.4	19264	PASS
173	174	0.00	2	1.1	1915	PASS
174	95	50	120	58.1	173867	PASS
175	174	4	9	7.4	12863	PASS
176	174	93	101	96.5	167851	PASS
177	176	5	9	6.6	11132	PASS

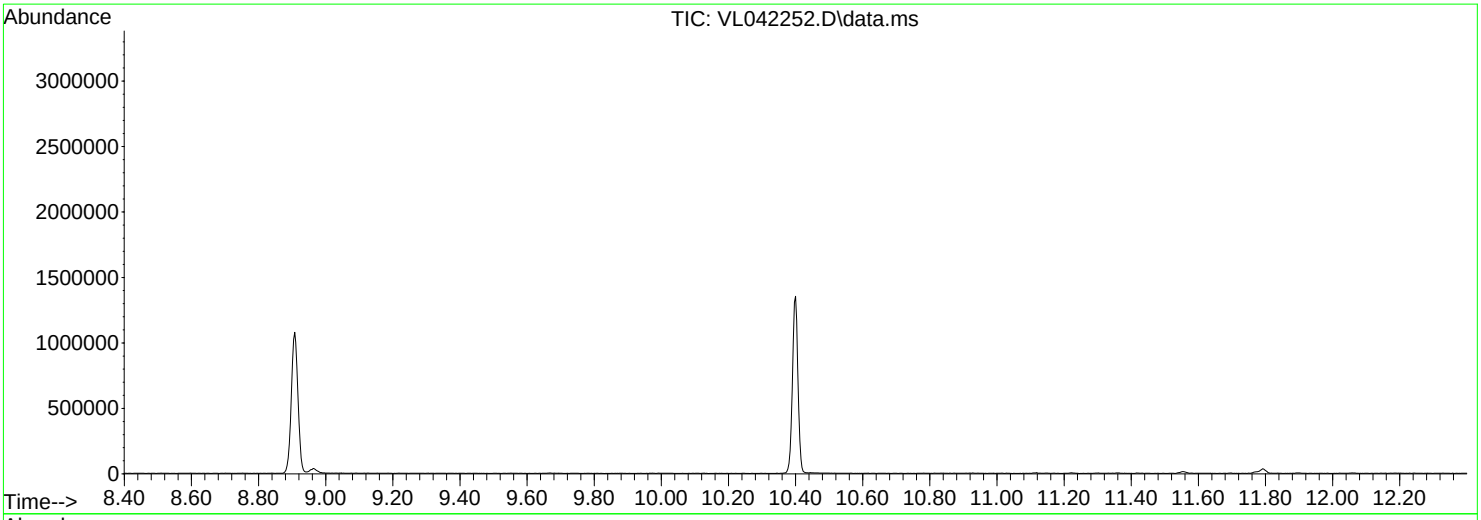
BFB

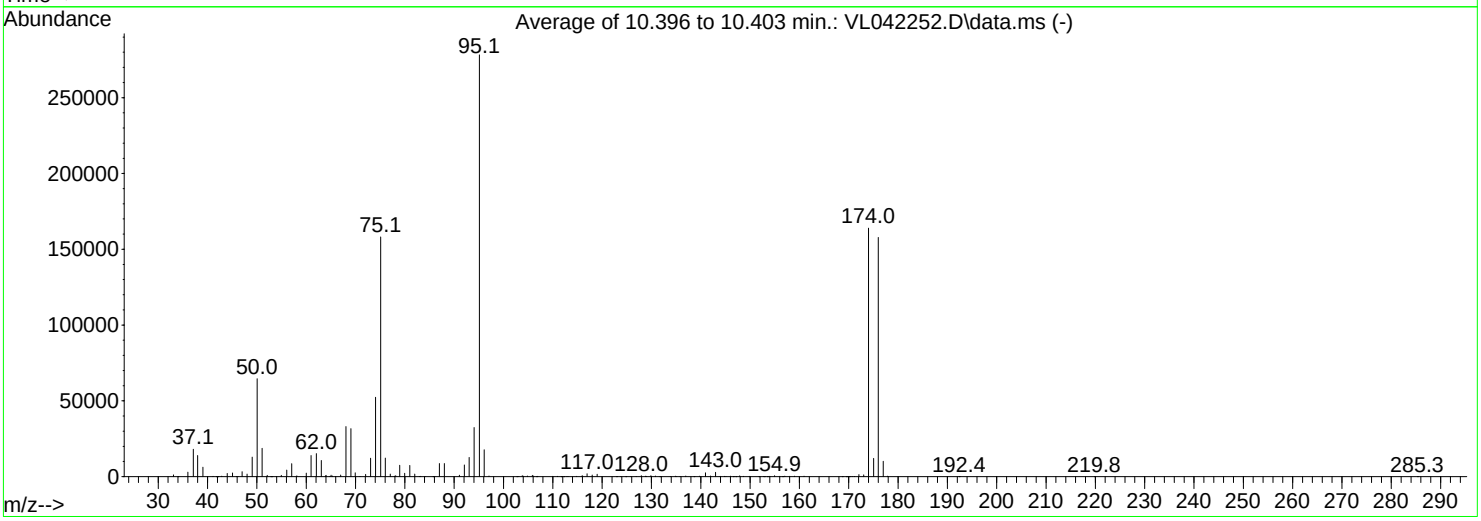
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042252.D
Acq On : 08 Apr 2025 07:57
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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	23.2	64653	PASS
75	95	30	66	56.8	158080	PASS
95	95	100	100	100.0	278272	PASS
96	95	5	9	6.4	17742	PASS
173	174	0.00	2	0.7	1215	PASS
174	95	50	120	58.9	163968	PASS
175	174	4	9	7.4	12075	PASS
176	174	93	101	96.2	157760	PASS
177	176	5	9	6.5	10188	PASS

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0407ABL01	SDG No.:	Q1725
Lab Sample ID:	VL0407ABL01	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
VL042229.D	1		04/07/25 10:23	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0407ABL01	SDG No.:	Q1725
Lab Sample ID:	VL0407ABL01	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
VL042229.D	1		04/07/25 10:23	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.40			70 (65) - 130 (135)	94%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	196000		2.8			
540-36-3	1,4-Difluorobenzene	527000		3.978			
3114-55-4	Chlorobenzene-d5	464000		8.901			

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0407ABL01	SDG No.:	Q1725
Lab Sample ID:	VL0407ABL01	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
VL042229.D	1		04/07/25 10:23	VL040725

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\VL040725\
Data File : VL042229.D
Acq On : 07 Apr 2025 10:23
Operator : SY/MD
Sample : VL0407ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

Quant Time: Apr 08 01:29:19 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

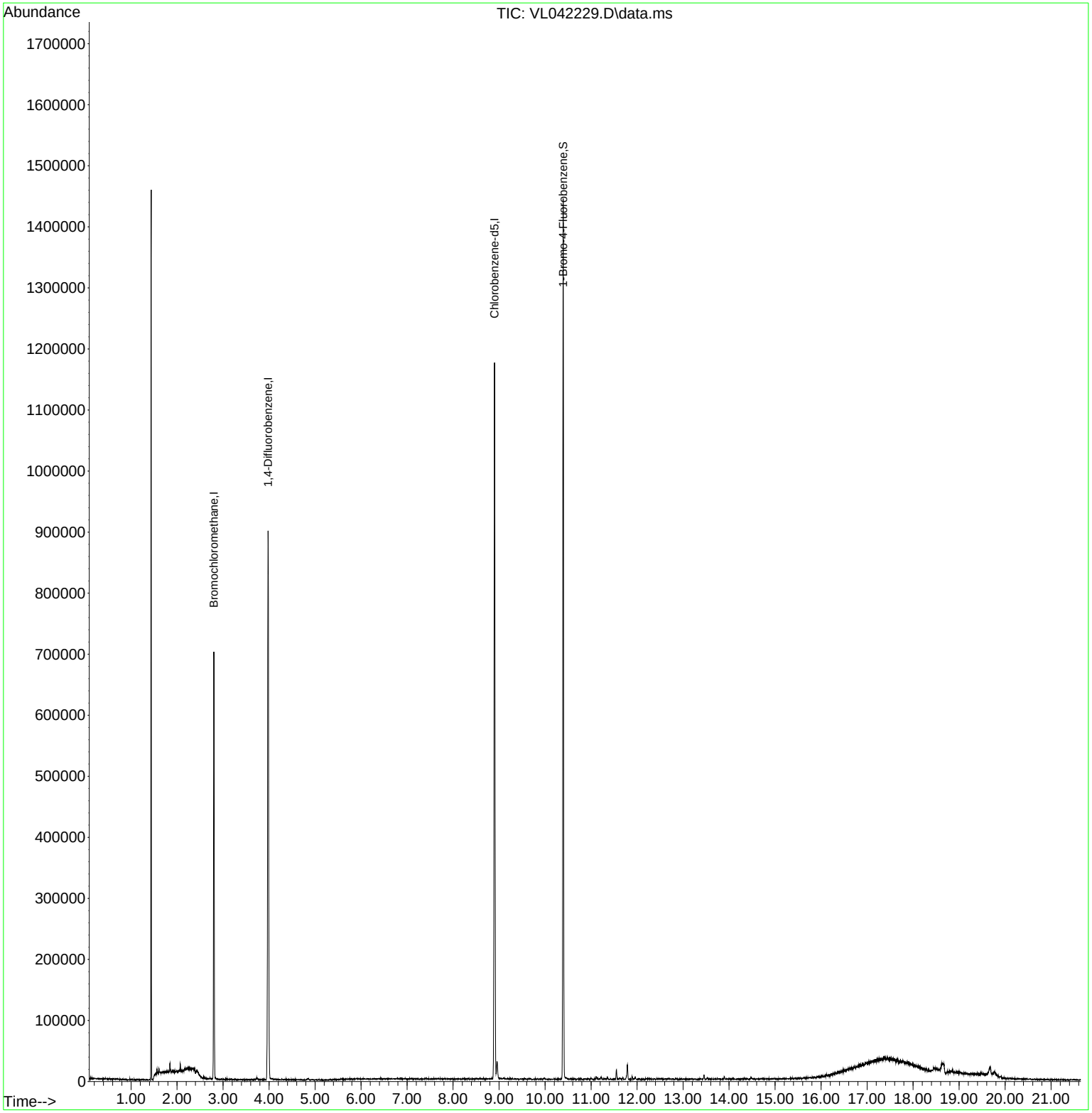
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	195732	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	527491	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	463741	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	359295	9.435	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.300%			
Target Compounds						Qvalue

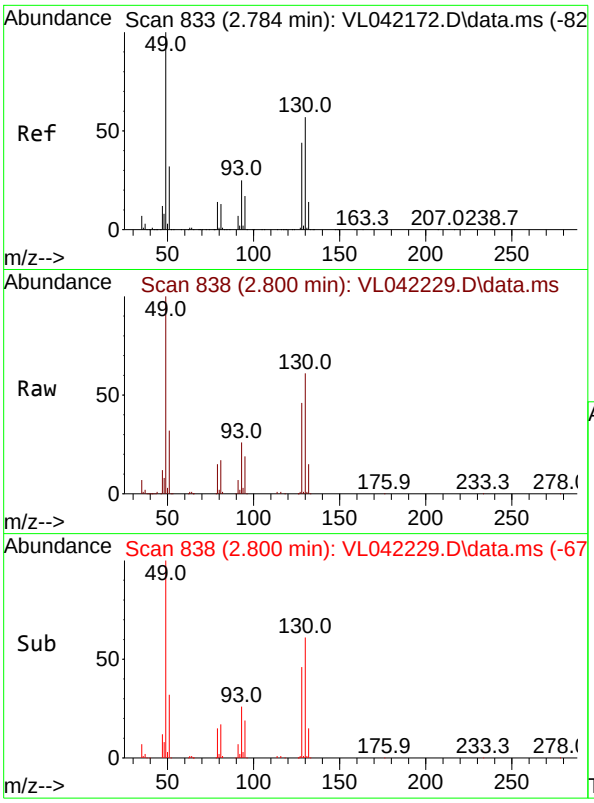
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042229.D
Acq On : 07 Apr 2025 10:23
Operator : SY/MD
Sample : VL0407ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

Quant Time: Apr 08 01:29:19 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



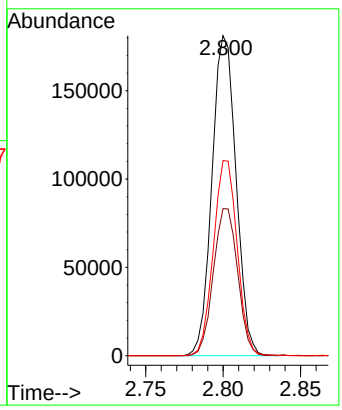


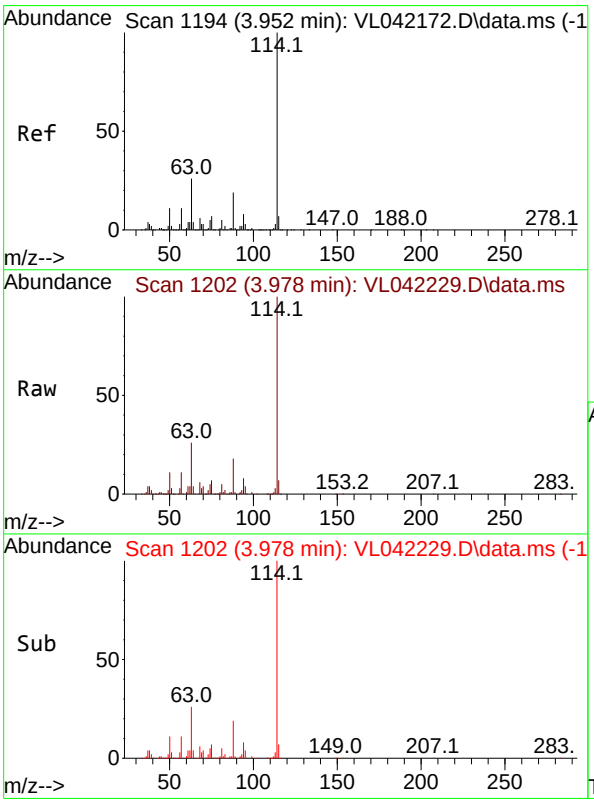
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

Tgt Ion: 49 Resp: 195732

Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.9	68.5
130	60.3	28.8	86.4

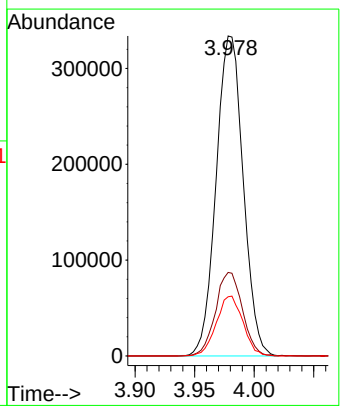


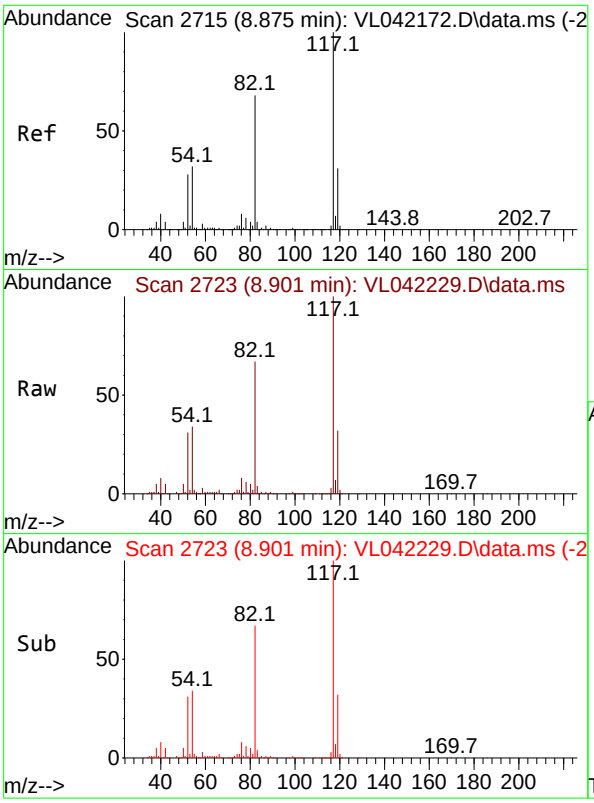


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.026 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

Tgt Ion:114 Resp: 527491

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	18.4	15.0	22.4



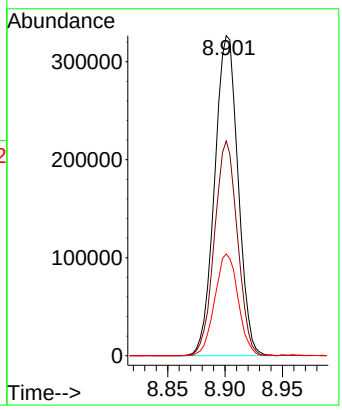


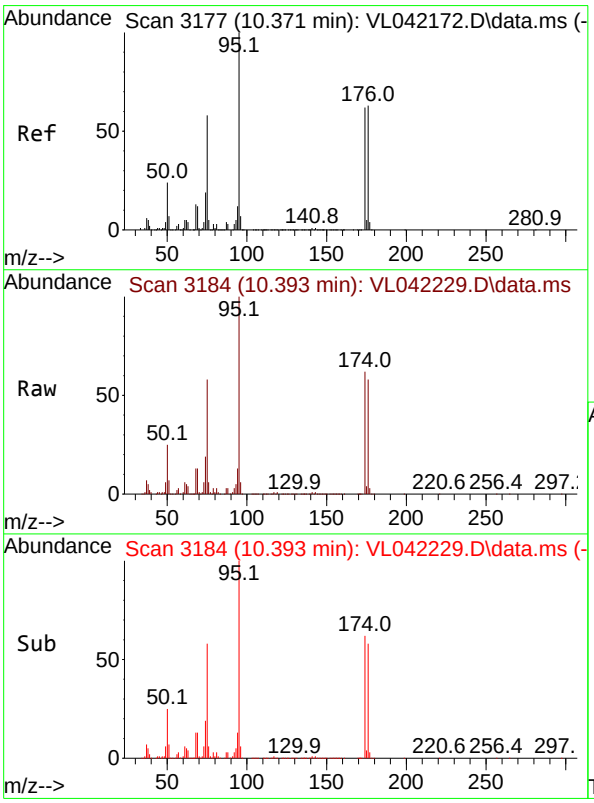
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

Tgt Ion:117 Resp: 463741

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.7	25.5	38.3

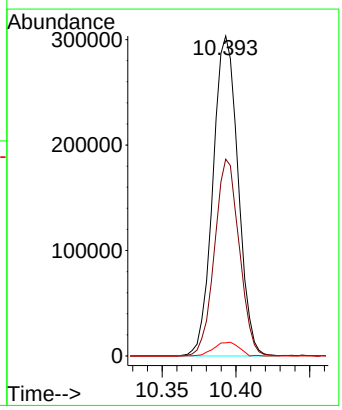




#68
1-Bromo-4-Fluorobenzene
Concen: 9.435 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.022 min
Lab File: VL042229.D
Acq: 07 Apr 2025 10:23

Tgt Ion: 95 Resp: 359295

Ion	Ratio	Lower	Upper
95	100		
174	60.7	50.6	76.0
175	4.3	3.8	5.6



LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042229.D
Acq On : 07 Apr 2025 10:23
Operator : SY/MD
Sample : VL0407ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042229.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.437	412	417	421	rBV	1457987	850402	49.90%	13.128%
2	2.800	829	838	849	rBV	699542	751824	44.12%	11.606%
3	3.978	1189	1202	1215	rBV	899735	1417402	83.17%	21.881%
4	8.901	2711	2723	2733	rBV	1173349	1651424	96.91%	25.493%
5	8.953	2733	2739	2753	rVB3	28281	50265	2.95%	0.776%
6	10.393	3173	3184	3195	rBV	1442594	1704126	100.00%	26.307%
7	11.552	3535	3542	3547	rBV5	16094	18575	1.09%	0.287%
8	11.788	3602	3615	3623	rVB5	24380	33879	1.99%	0.523%

Sum of corrected areas: 6477897

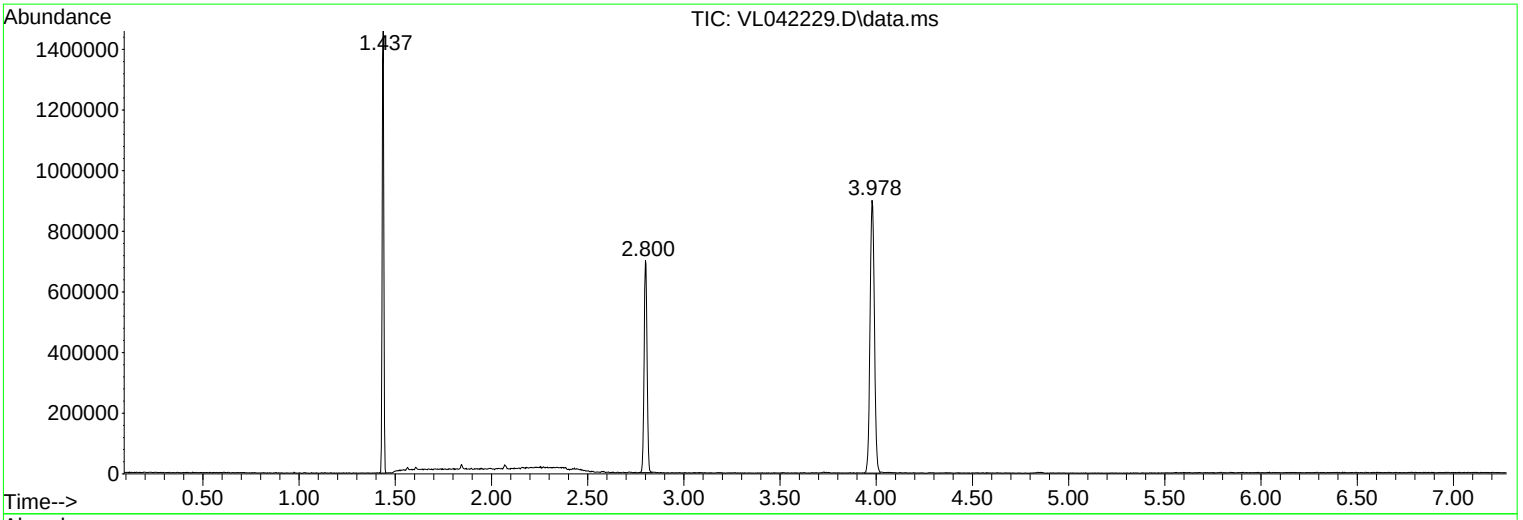
LSC Report - Integrated Chromatogram

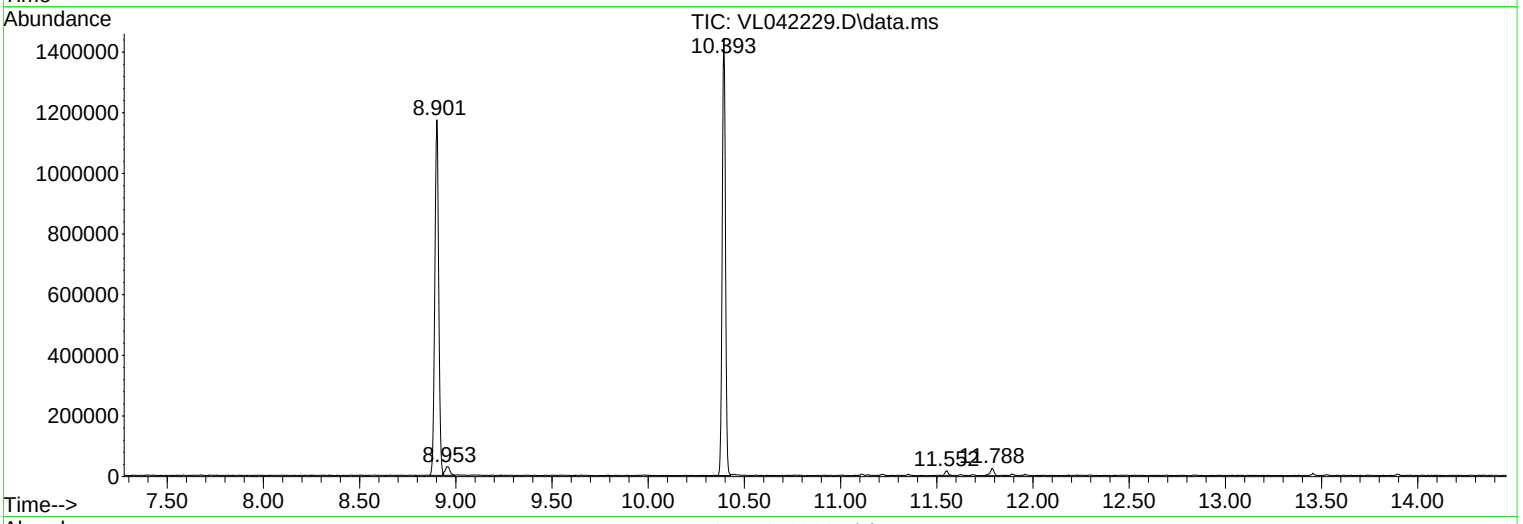
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042229.D
Acq On : 07 Apr 2025 10:23
Operator : SY/MD
Sample : VL0407ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

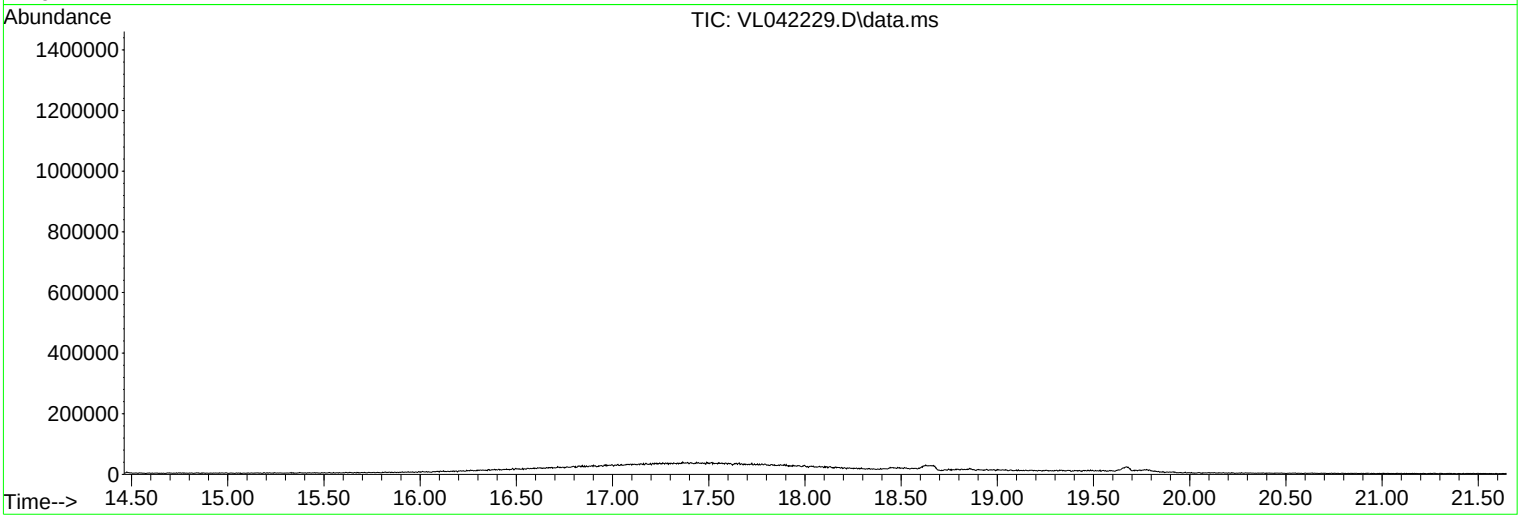
Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042229.D
Acq On : 07 Apr 2025 10:23
Operator : SY/MD
Sample : VL0407ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042229.D
Acq On : 07 Apr 2025 10:23
Operator : SY/MD
Sample : VL0407ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABL01

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0408ABL01	SDG No.:	Q1725
Lab Sample ID:	VL0408ABL01	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
VL042254.D	1		04/08/25 09:22	VL040825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0408ABL01	SDG No.:	Q1725
Lab Sample ID:	VL0408ABL01	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
VL042254.D	1		04/08/25 09:22	VL040825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.50			70 (65) - 130 (135)	95%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	194000		2.8			
540-36-3	1,4-Difluorobenzene	507000		3.978			
3114-55-4	Chlorobenzene-d5	434000		8.901			

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Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0408ABL01	SDG No.:	Q1725
Lab Sample ID:	VL0408ABL01	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
VL042254.D	1		04/08/25 09:22	VL040825

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\VL040825\
Data File : VL042254.D
Acq On : 08 Apr 2025 09:22
Operator : SY/MD
Sample : VL0408ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

Quant Time: Apr 09 01:51:36 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

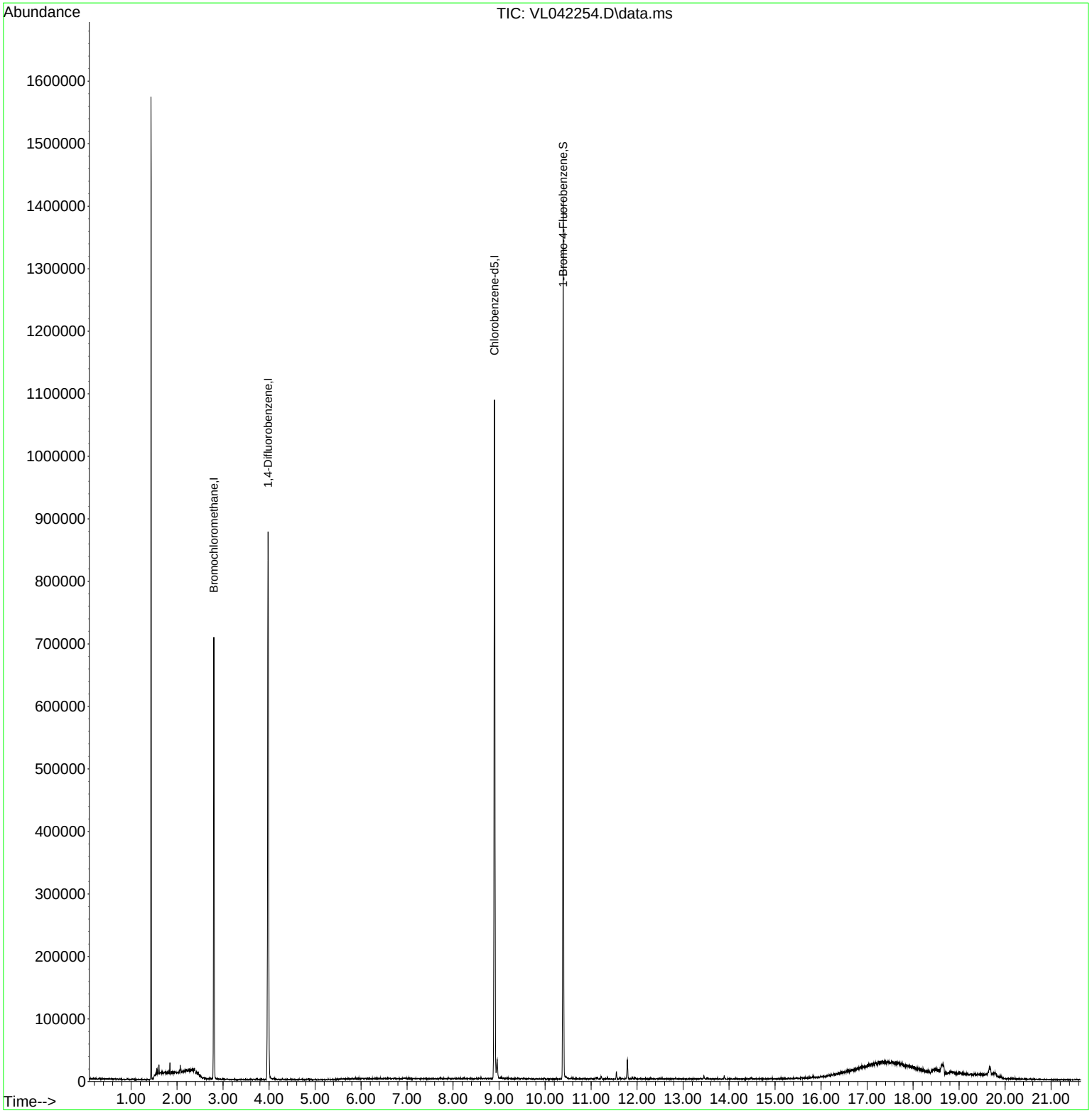
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	194254	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	507155	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	433594	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	337540	9.480	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.800%			
Target Compounds						Qvalue

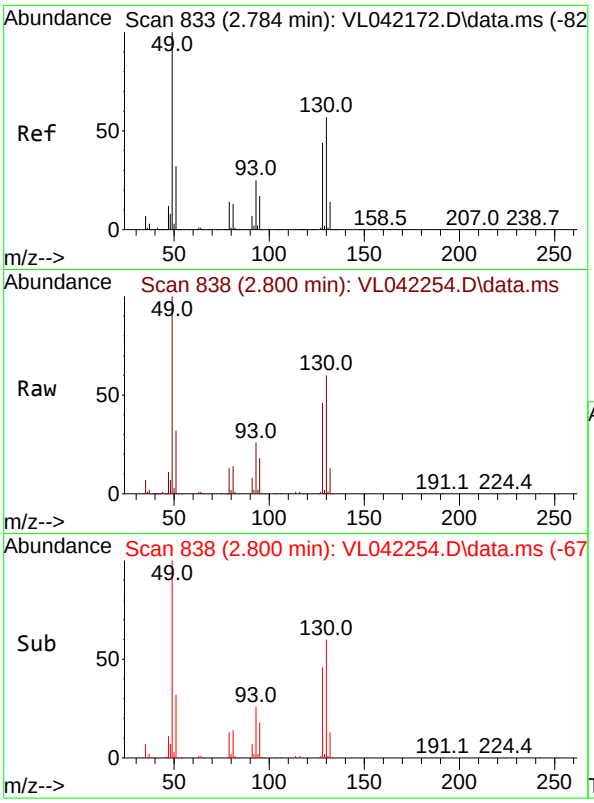
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042254.D
Acq On : 08 Apr 2025 09:22
Operator : SY/MD
Sample : VL0408ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

Quant Time: Apr 09 01:51:36 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



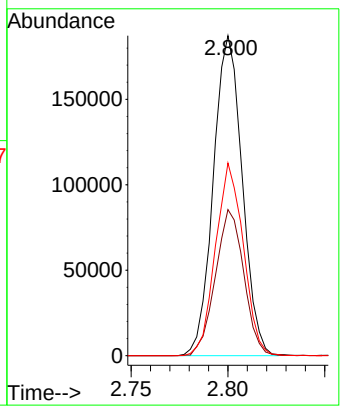


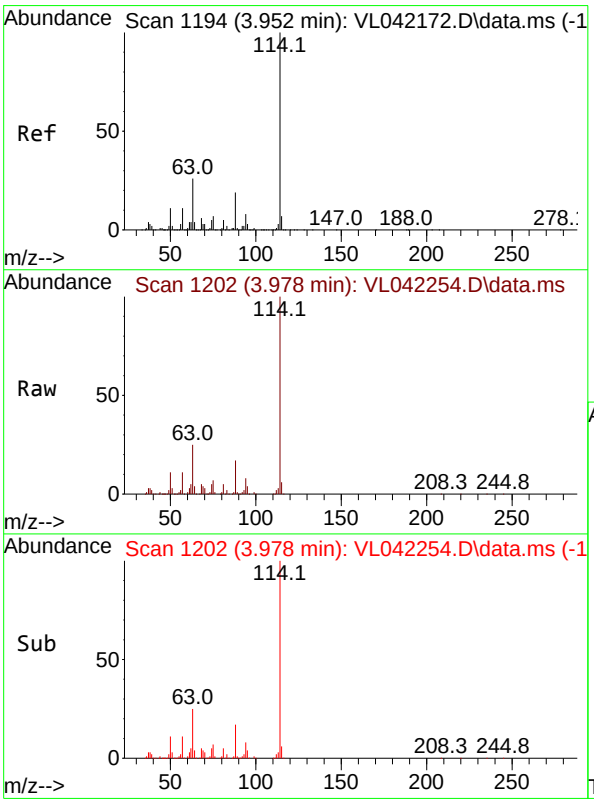
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

Tgt Ion: 49 Resp: 194254

Ion	Ratio	Lower	Upper
49	100		
128	45.0	22.9	68.5
130	58.0	28.8	86.4

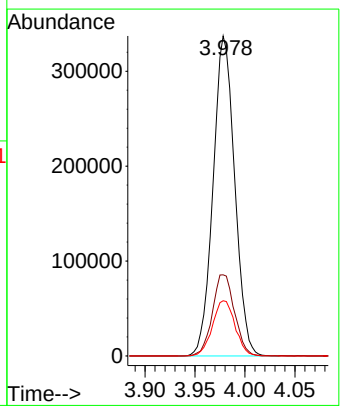


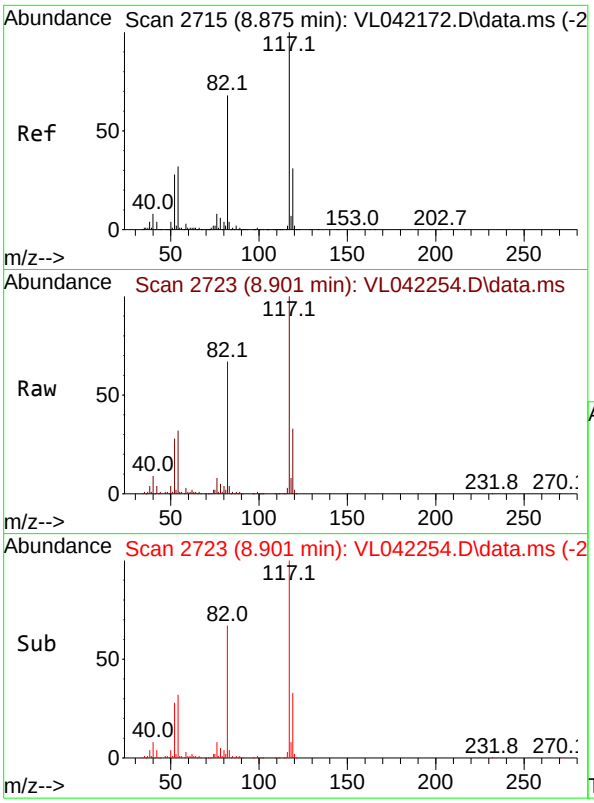


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.026 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion:114 Resp: 507155

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.7	31.1
88	18.1	15.0	22.4



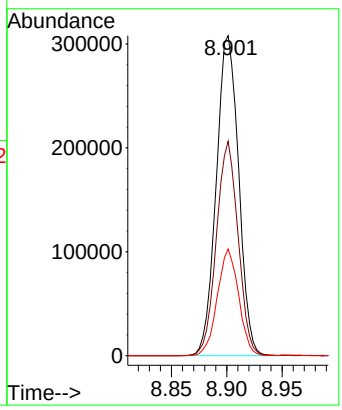


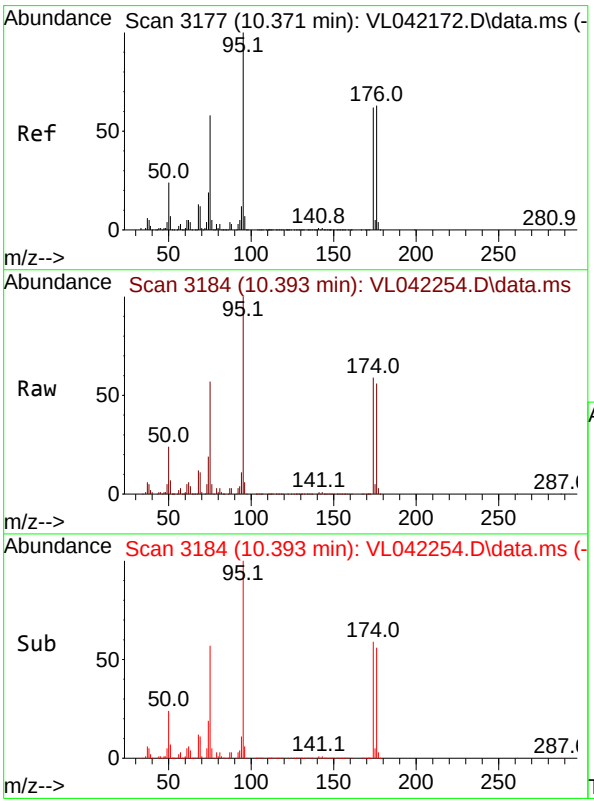
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

Tgt Ion:117 Resp: 433594

Ion	Ratio	Lower	Upper
117	100		
82	65.0	55.8	83.6
119	31.8	25.5	38.3

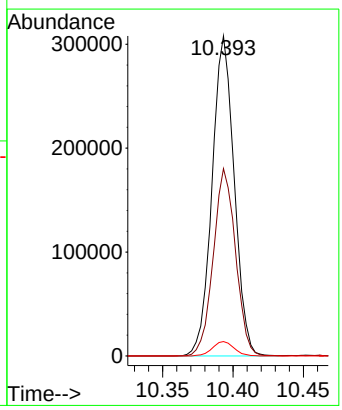




#68
1-Bromo-4-Fluorobenzene
Concen: 9.480 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042254.D
Acq: 08 Apr 2025 09:22

Tgt Ion: 95 Resp: 337540

Ion	Ratio	Lower	Upper
95	100		
174	58.8	50.6	76.0
175	4.4	3.8	5.6



LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042254.D
Acq On : 08 Apr 2025 09:22
Operator : SY/MD
Sample : VL0408ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 3 Min Area: 3 % of largest Peak
Start Thrs: 0.001 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 0

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

Signal : TIC: VL042254.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	1.434	412	416	421	rVB	1571406	917613	58.37%	14.819%
2	2.800	829	838	848	rBV	706460	728876	46.37%	11.771%
3	3.978	1190	1202	1218	rBV	877123	1353347	86.09%	21.856%
4	8.901	2709	2723	2734	rBV	1086189	1536263	97.73%	24.810%
5	8.959	2734	2741	2751	rVB3	30204	47706	3.03%	0.770%
6	10.393	3171	3184	3197	rBV	1408600	1571938	100.00%	25.387%
7	11.788	3606	3615	3621	rBV3	30454	36275	2.31%	0.586%

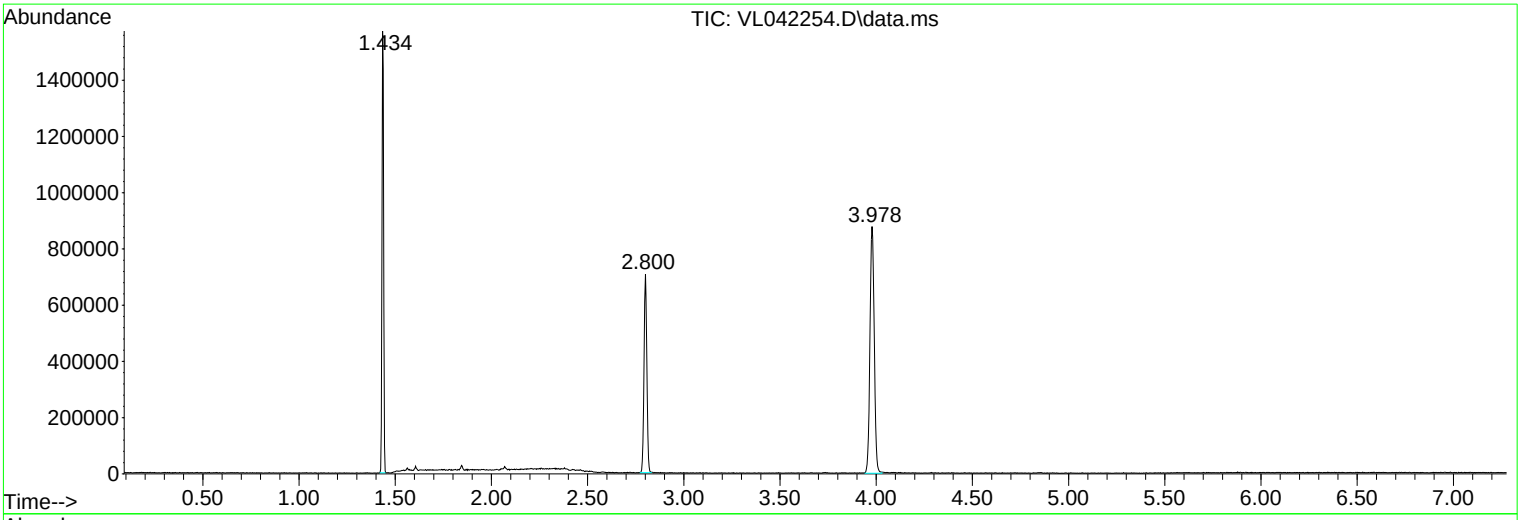
Sum of corrected areas: 6192018

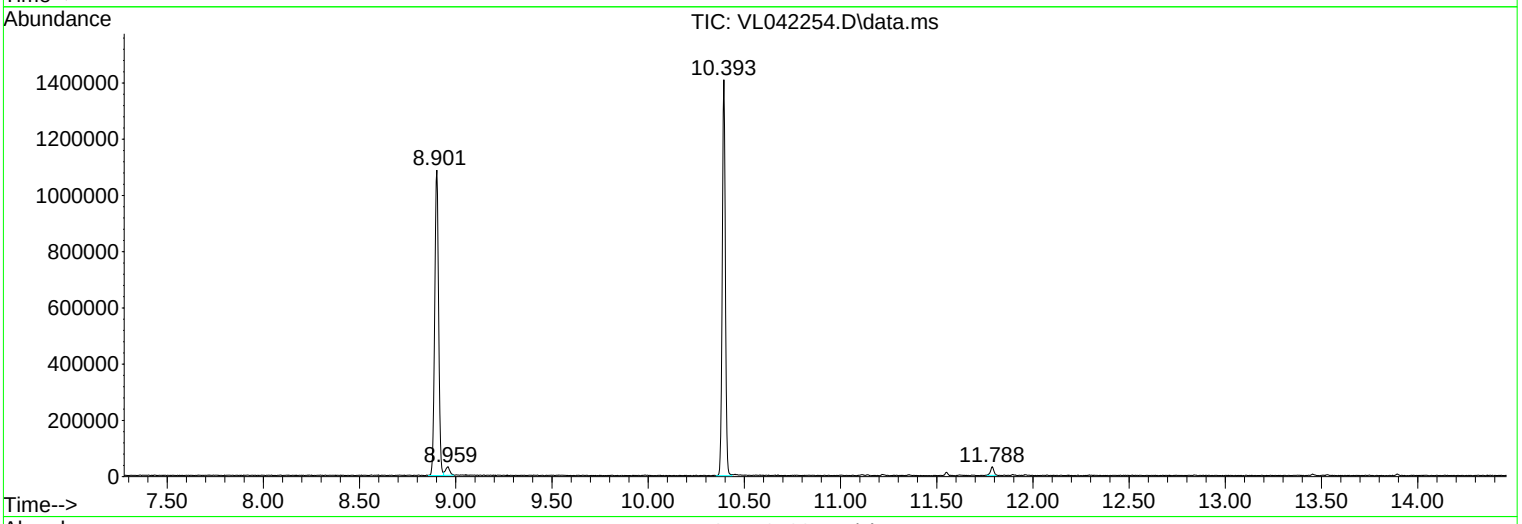
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042254.D
Acq On : 08 Apr 2025 09:22
Operator : SY/MD
Sample : VL0408ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

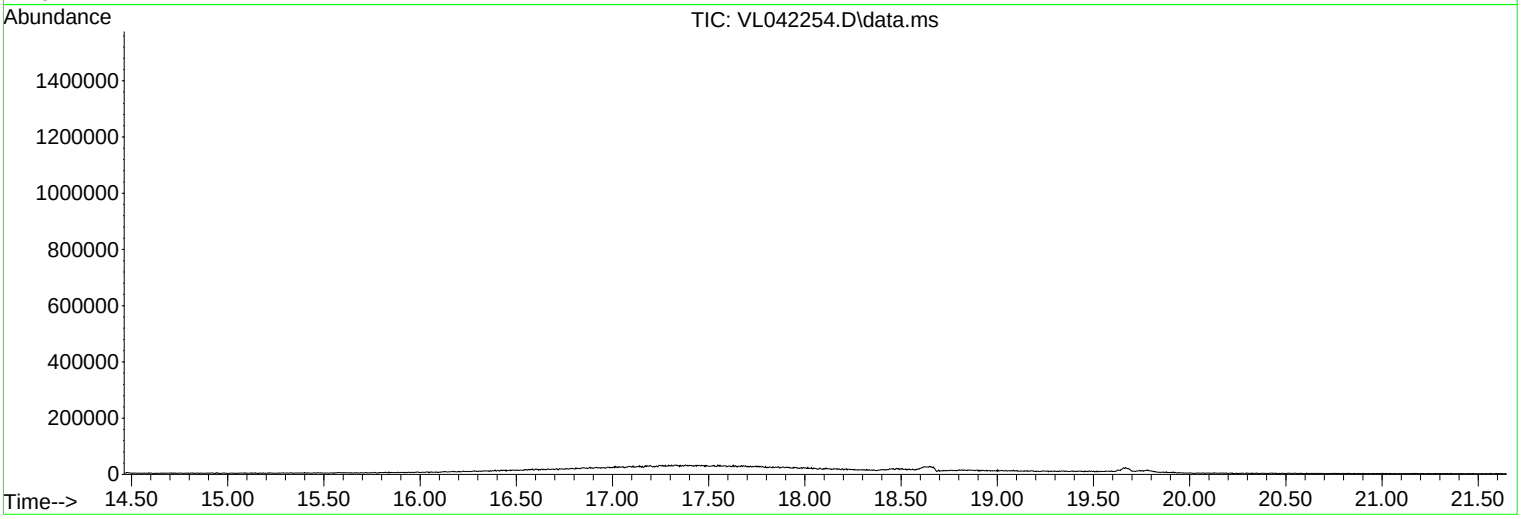
Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042254.D
Acq On : 08 Apr 2025 09:22
Operator : SY/MD
Sample : VL0408ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042254.D
Acq On : 08 Apr 2025 09:22
Operator : SY/MD
Sample : VL0408ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABL01

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

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0407ABS01	SDG No.:	Q1725
Lab Sample ID:	VL0407ABS01	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
VL042230.D	1		04/07/25 11:09	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	9.40	46.5		1.04	2.47	ug/m3
74-87-3	Chloromethane	8.90	18.4		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.00	20.4		0.030	0.080	ug/m3
74-83-9	Bromomethane	8.20	31.8		0.54	1.94	ug/m3
75-00-3	Chloroethane	8.90	23.5		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	9.10	26.8		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.20	51.7		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.00	69.0		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.30	65.0		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	7.90	23.9		0.58	1.52	ug/m3
142-82-5	Heptane	8.60	35.2		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	8.10	32.1		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	8.70	27.1		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.30	29.9		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	7.40	25.7		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	8.30	32.9		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.20	37.2		0.53	2.02	ug/m3
110-82-7	Cyclohexane	8.50	29.3		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.40	27.7		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.1	63.5		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	8.90	35.3		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	8.70	47.5		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	9.40	43.9		0.47	2.34	ug/m3
71-43-2	Benzene	9.40	30.0		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.4	42.1		0.36	2.02	ug/m3
79-01-6	Trichloroethene	9.20	49.4		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.40	43.4		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	10.4	69.7		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	8.40	34.4		0.37	2.05	ug/m3
108-88-3	Toluene	9.00	33.9		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	8.10	36.8		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	8.60	39.0		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.0	54.6		0.38	2.73	ug/m3

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0407ABS01	SDG No.:	Q1725
Lab Sample ID:	VL0407ABS01	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
VL042230.D	1		04/07/25 11:09	VL040725

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.0	85.2		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	8.40	57.0		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	10.2	47.0		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	9.80	42.6		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	20.4	88.6		0.91	4.34	ug/m3
95-47-6	o-Xylene	10.2	44.3		0.52	2.17	ug/m3
100-42-5	Styrene	9.60	40.9		0.47	2.13	ug/m3
75-25-2	Bromoform	9.80	101		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	10.8	74.2		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	10.3	53.3		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	10.2	50.1		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	10.6	63.7		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	10.6	63.7		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	10.7	64.3		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	9.00	66.8		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.20	87.5		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	8.10	17.9		0.29	1.11	ug/m3
91-20-3	Naphthalene	9.30	48.8		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	10.3	50.6		0.59	2.46	ug/m3
110-54-3	Hexane	8.90	31.4		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	8.60	26.9		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	8.40	30.3		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	8.50	34.8		0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.2			70 (65) - 130 (135)	102%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	198000	2.8				
540-36-3	1,4-Difluorobenzene	531000	3.978				
3114-55-4	Chlorobenzene-d5	474000	8.901				

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Fax : 908 789 8922

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0407ABS01	SDG No.:	Q1725
Lab Sample ID:	VL0407ABS01	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
VL042230.D	1		04/07/25 11:09	VL040725

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\VL040725\
Data File : VL042230.D
Acq On : 07 Apr 2025 11:09
Operator : SY/MD
Sample : VL0407ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 08 01:29:41 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 :
VL0407ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	197822	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	531347	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	473981	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	398322	10.233	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	273487	9.363	ppbv	100
3) Chlorodifluoromethane	1.479	51	276521	9.267	ppbv	97
4) Chloromethane	1.538	50	106766	8.944	ppbv	99
5) Vinyl Chloride	1.586	62	101600	8.032	ppbv	94
6) Bromomethane	1.674	94	44439	8.215	ppbv	98
7) Chloroethane	1.709	64	42458	8.861	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	230477	9.266	ppbv	94
9) Propene	1.489	41	106235	7.768	ppbv	97
10) Heptane	5.001	43	311035	8.550	ppbv	100
11) Trichlorofluoromethane	1.884	101	260770	9.175	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	210391	9.006	ppbv	96
13) Ethanol	1.729	45	5394	4.172	ppbv	97
14) Bromoethene	1.787	108	71737	8.016	ppbv	97
15) Acetone	1.842	43	230460	8.330	ppbv	96
16) 1,3-Butadiene	1.615	39	109306	8.090	ppbv	99
17) tert-Butyl alcohol	2.049	59	271487	7.879	ppbv	99
18) 1,1-Dichloroethene	2.042	96	88728	8.125	ppbv	95
19) Isopropyl Alcohol	1.894	45	129131	8.272	ppbv	98
20) Methylene Chloride	2.068	84	76153	7.391	ppbv	92
21) Allyl Chloride	2.104	41	167334	8.576	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	104449	8.275	ppbv	93
23) Vinyl Acetate	2.473	43	96391	8.050	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	214121	9.152	ppbv	100
25) Ethyl Acetate	2.848	43	639210	8.902	ppbv	99
26) Hexane	2.839	57	246755	8.897	ppbv	100
27) Carbon Disulfide	2.159	76	258412	8.689	ppbv	96
28) Methyl tert-Butyl Ether	2.450	73	142610	8.259	ppbv	94
29) Chloroform	2.861	83	397517	9.793	ppbv	99
30) Cyclohexane	3.874	84	203521	8.451	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	249591	8.864	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	406124	8.739	ppbv	98
34) 2-Butanone	2.570	43	362939	9.420	ppbv	99
35) Carbon Tetrachloride	3.781	117	418362	10.079	ppbv	99
36) Benzene	3.674	78	494216	9.382	ppbv	99
37) 1,2-Dichloroethane	3.234	62	314377	10.424	ppbv	98
38) Trichloroethene	4.570	130	202575	9.217	ppbv	97
39) 1,2-Dichloropropane	4.334	63	179485	9.356	ppbv	92
40) 1,4-Dioxane	4.606	88	85103	8.358	ppbv #	93
41) Tetrahydrofuran	3.068	42	201260	9.071	ppbv	98
42) Bromodichloromethane	4.512	83	430763	10.361	ppbv	99
43) Methyl Methacrylate	4.907	69	188872	8.470	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	838005	9.414	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	194507	8.130	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042230.D
Acq On : 07 Apr 2025 11:09
Operator : SY/MD
Sample : VL0407ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 08 01:29:41 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 :
VL0407ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.632	75	252229	8.601	ppbv		99
47)	1,1,2-Trichloroethane	6.606	97	201960	9.959	ppbv		95
48)	Dibromochloromethane	7.412	129	343914	10.007	ppbv		99
49)	Bromoform	9.500	173	302914	9.817	ppbv		99
50)	4-Methyl-2-Pentanone	5.784	43	510960	8.368	ppbv		97
51)	2-Hexanone	7.461	43	415858	8.294	ppbv	#	96
52)	Tetrachloroethene	8.244	164	174622	8.359	ppbv		96
53)	Toluene	6.962	91	562424	9.007	ppbv		99
54)	1,2-Dibromoethane	7.674	107	272683	9.646	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.943	131	276768	10.608	ppbv		99
57)	Chlorobenzene	8.940	112	458748	10.204	ppbv		99
58)	Ethyl Benzene	9.373	91	821248	9.754	ppbv		99
59)	m/p-Xylene	9.568	91	1370037m	20.379	ppbv		
60)	o-Xylene	9.982	91	684704	10.160	ppbv		97
61)	Styrene	9.888	104	318889	9.564	ppbv		99
62)	Isopropylbenzene	10.555	105	1035385	10.274	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.979	83	442871	10.816	ppbv		98
64)	n-propylbenzene	11.005	120	270373	10.422	ppbv		99
65)	tert-Butylbenzene	11.545	119	944630	10.135	ppbv		98
66)	Benzyl Chloride	11.629	91	70444	7.123	ppbv		100
67)	sec-Butylbenzene	11.782	105	1346681	10.395	ppbv		99
69)	p-Isopropyltoluene	11.940	119	1151394	10.321	ppbv		99
70)	n-Butylbenzene	12.296	91	1190709	10.437	ppbv		98
71)	2-Chlorotoluene	10.917	91	803764	10.276	ppbv		100
72)	4-Ethyltoluene	11.141	105	867726	10.341	ppbv		99
73)	1,3,5-Trimethylbenzene	11.218	105	750866	10.246	ppbv		97
74)	1,2,4-Trimethylbenzene	11.552	105	832142	9.856	ppbv		93
75)	1,3-Dichlorobenzene	11.623	146	491666	10.618	ppbv		99
76)	1,4-Dichlorobenzene	11.688	146	486784	10.563	ppbv		99
77)	1,2-Dichlorobenzene	11.963	146	480453	10.656	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.895	225	375805	8.189	ppbv		99
79)	Naphthalene	13.526	128	855353	9.262	ppbv		100
80)	Naphthalene,2-methyl-	14.471	142	301864	6.665	ppbv		99
81)	1,2,4-Trichlorobenzene	13.455	180	383097	8.994	ppbv		98

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

Quantitation Report (QT Reviewed)

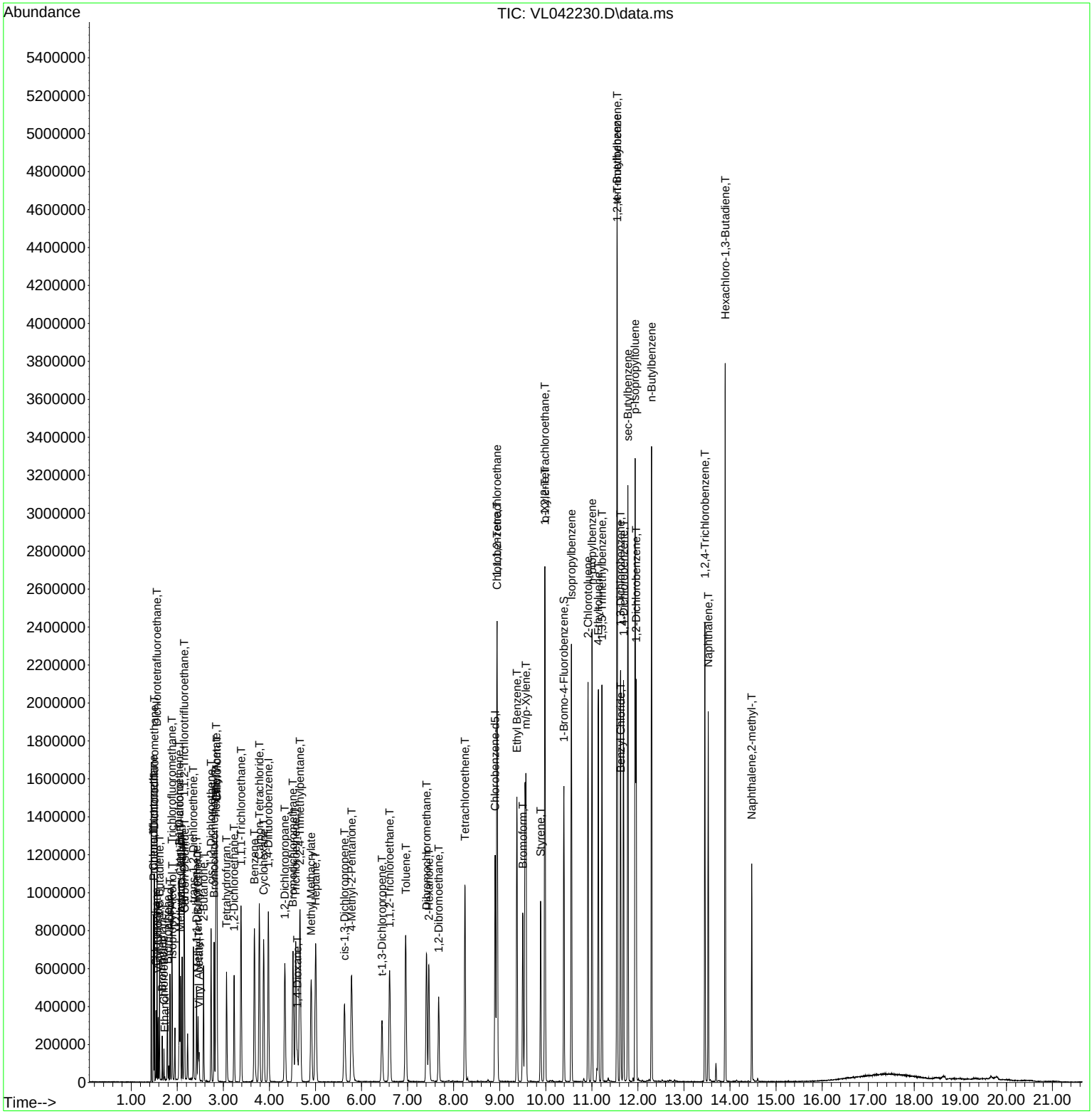
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042230.D
Acq On : 07 Apr 2025 11:09
Operator : SY/MD
Sample : VL0407ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

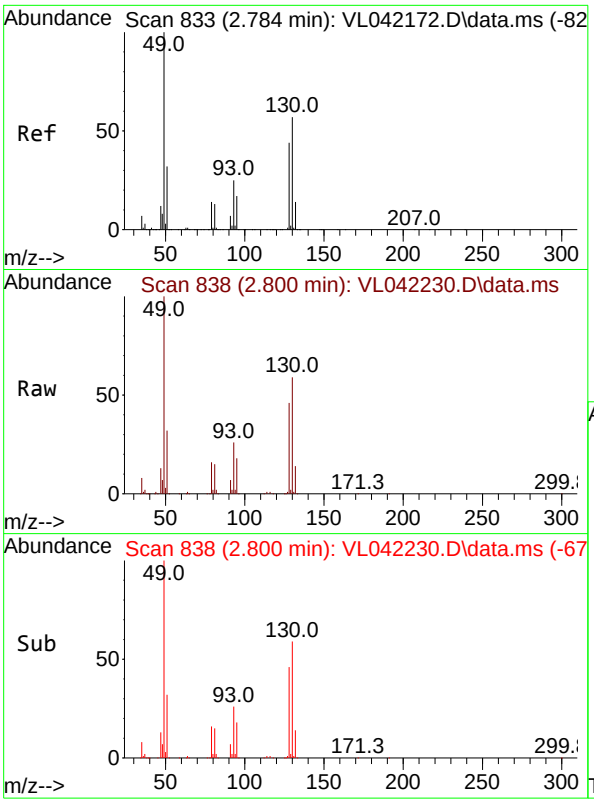
Quant Time: Apr 08 01:29:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

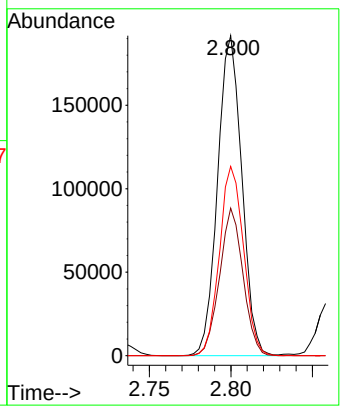




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 49 Resp: 19782

Ion	Ratio	Lower	Upper
49	100		
128	44.6	22.9	68.5
130	59.0	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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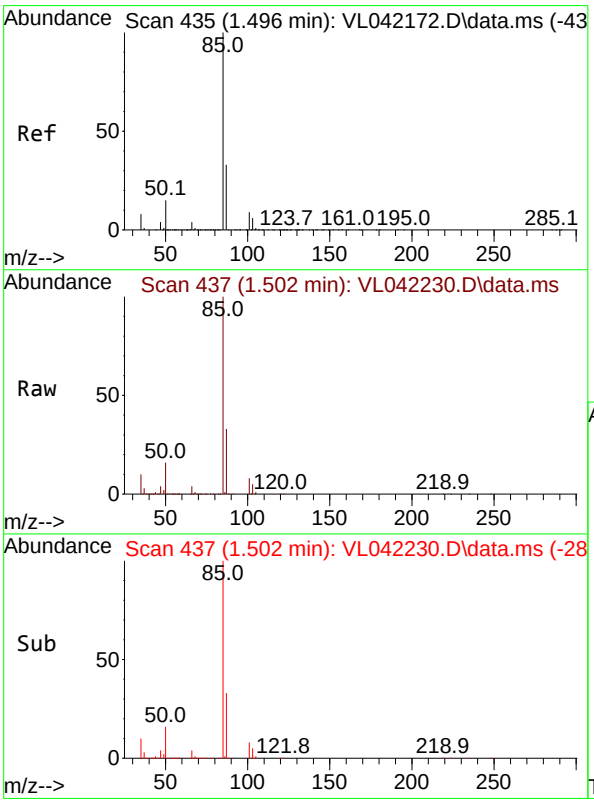
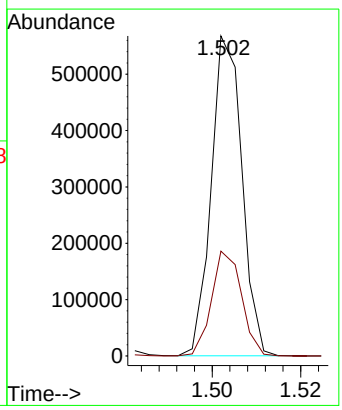
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

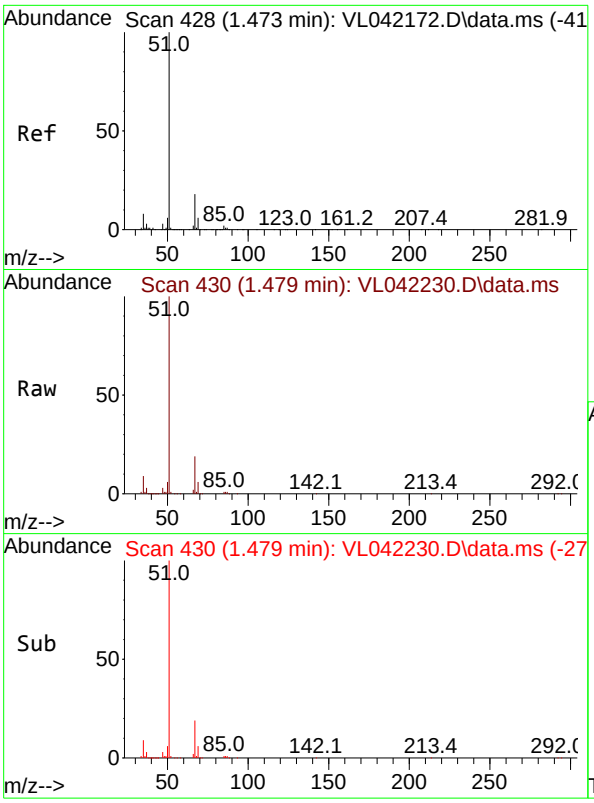


#2
Dichlorodifluoromethane
Concen: 9.363 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 85 Resp: 273487

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.1	39.1

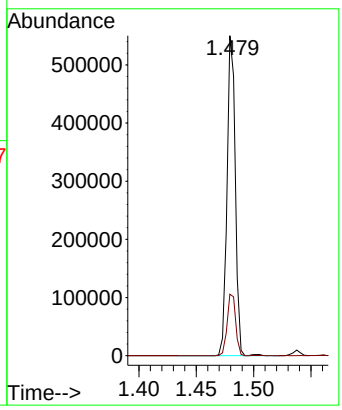




#3
Chlorodifluoromethane
Concen: 9.267 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 51 Resp: 27652

Ion	Ratio	Lower	Upper
51	100		
67	19.9	15.0	22.6



Instrument :
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ClientSampleId :
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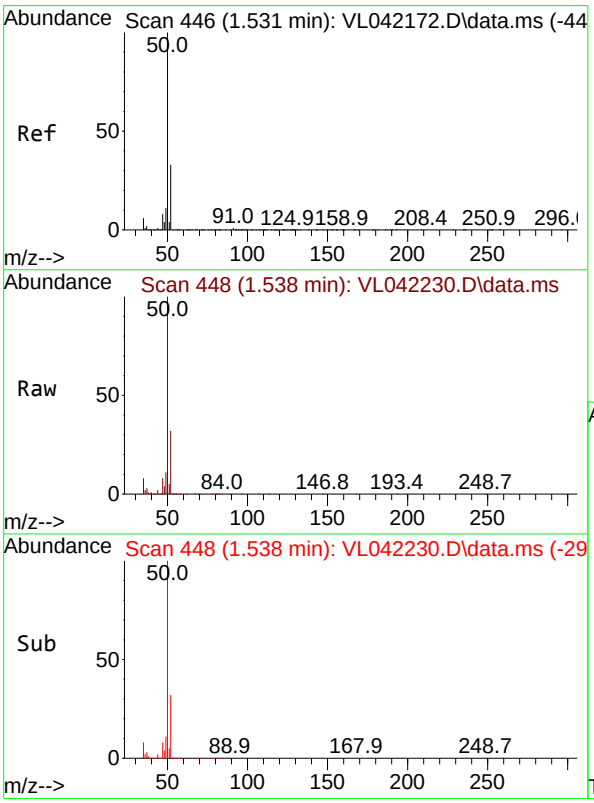
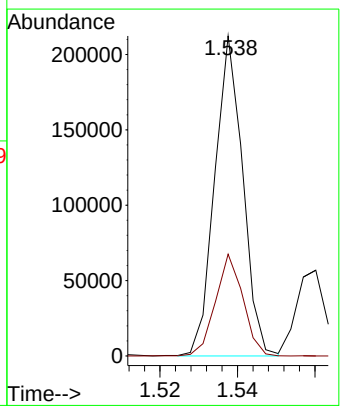
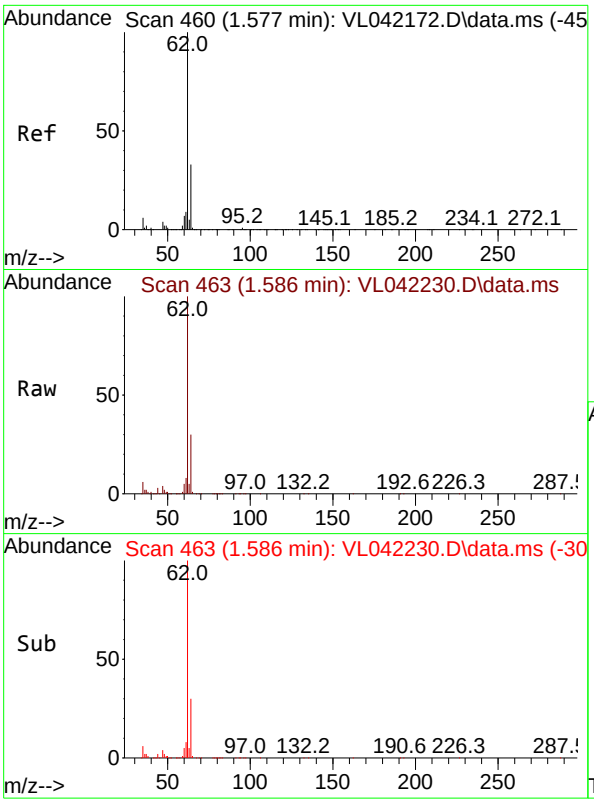


#4
Chloromethane
Concen: 8.944 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 50 Resp: 106766

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1





#5
Vinyl Chloride
Concen: 8.032 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 62 Resp: 10160

Ion	Ratio	Lower	Upper
62	100		
64	29.8	26.6	40.0

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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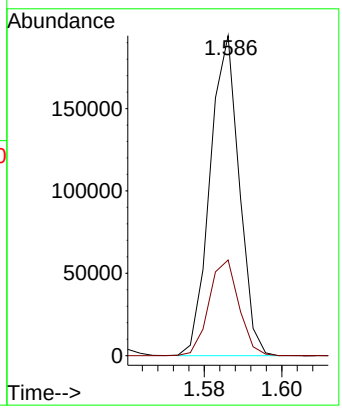
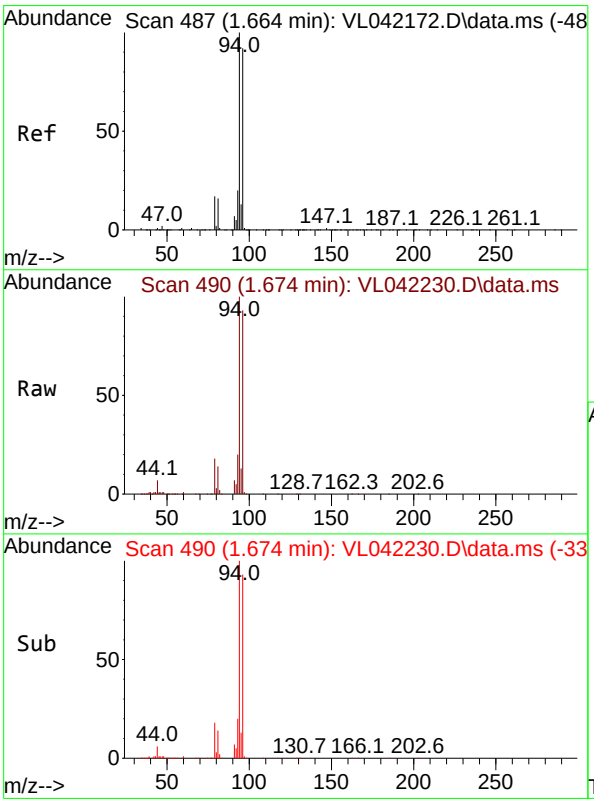
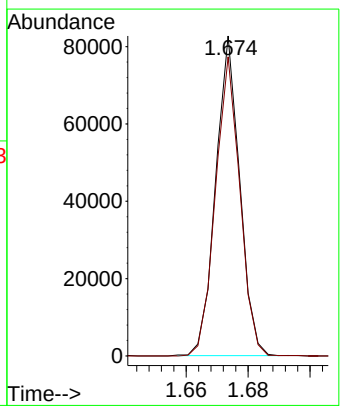


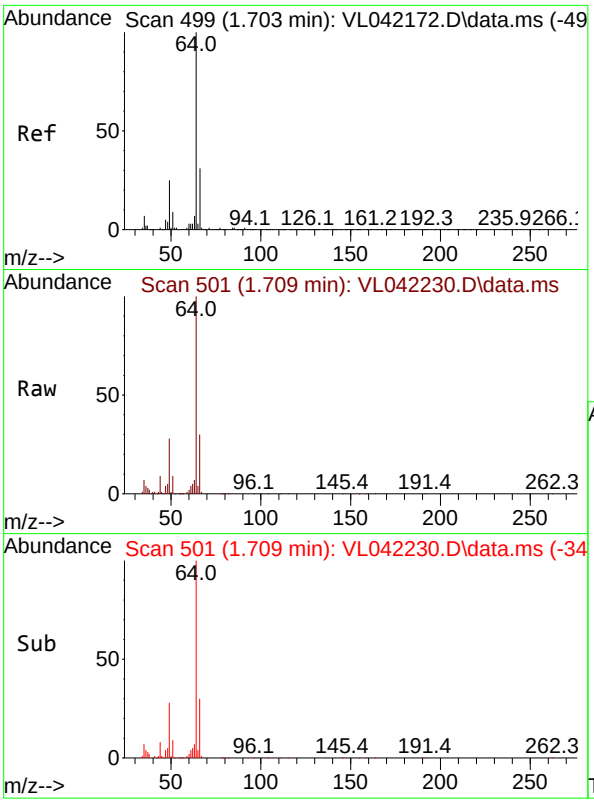


#6
Bromomethane
Concen: 8.215 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 94 Resp: 44439

Ion	Ratio	Lower	Upper
94	100		
96	93.6	73.1	109.7

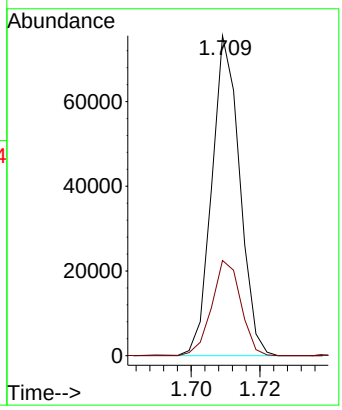




#7
Chloroethane
Concen: 8.861 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 64 Resp: 4245

Ion	Ratio	Lower	Upper
64	100		
66	29.8	25.2	37.8



Instrument :
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ClientSampleId :
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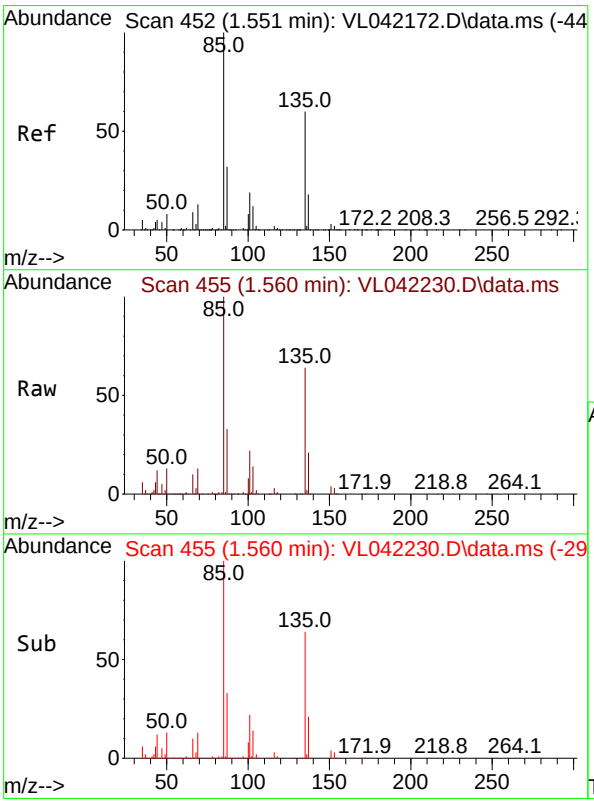
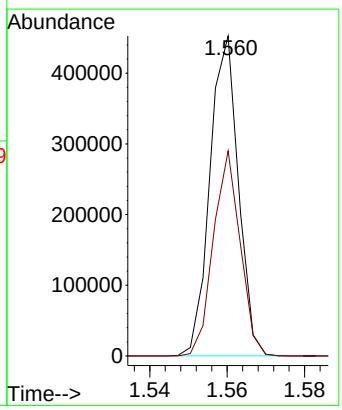
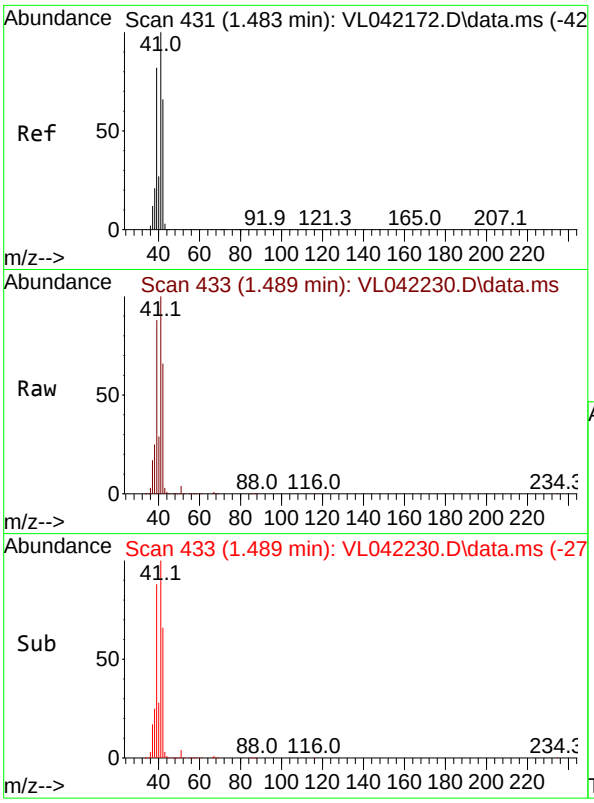


#8
Dichlorotetrafluoroethane
Concen: 9.266 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 85 Resp: 230477

Ion	Ratio	Lower	Upper
85	100		
135	60.5	52.4	78.6

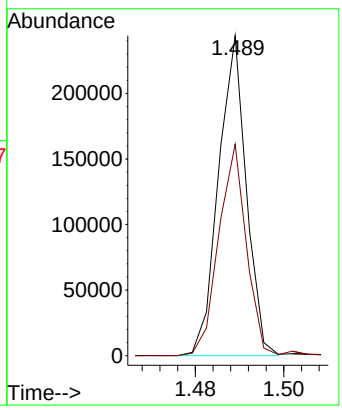




#9
Propene
Concen: 7.768 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 41 Resp: 10623

Ion	Ratio	Lower	Upper
41	100		
42	66.9	55.4	83.2



Instrument :
MSVOA_L
ClientSampleId :
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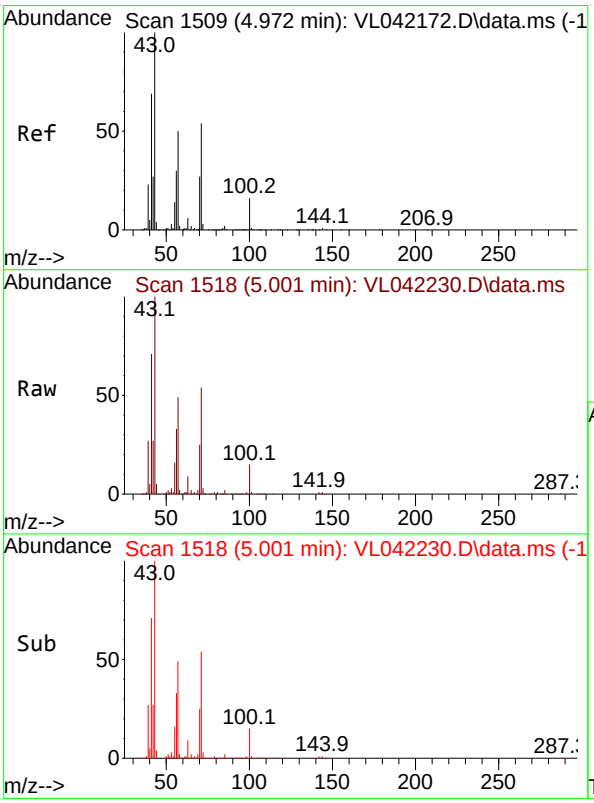
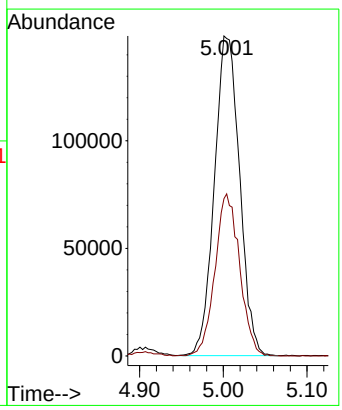
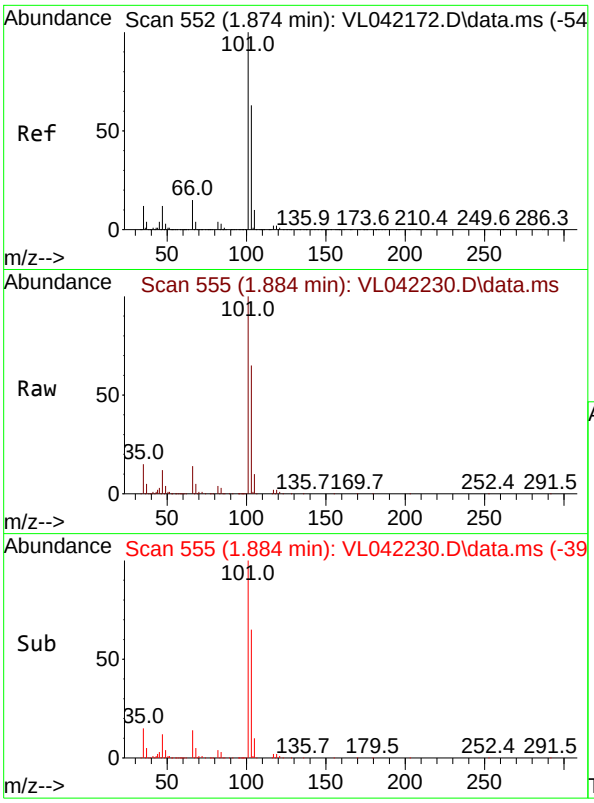


#10
Heptane
Concen: 8.550 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 311035

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.4	59.2





#11
Trichlorofluoromethane
Concen: 9.175 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:101 Resp: 26077

Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.2	75.2

Instrument :
MSVOA_L
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VL0407ABS01

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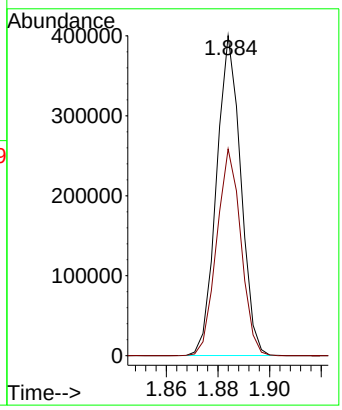
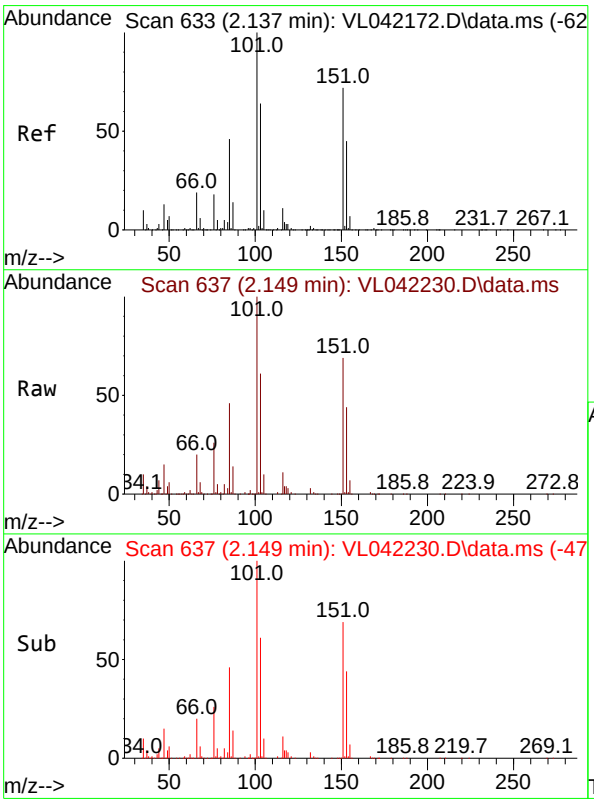
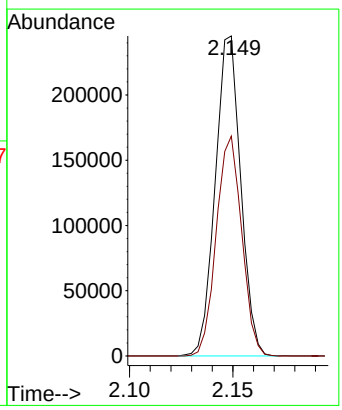


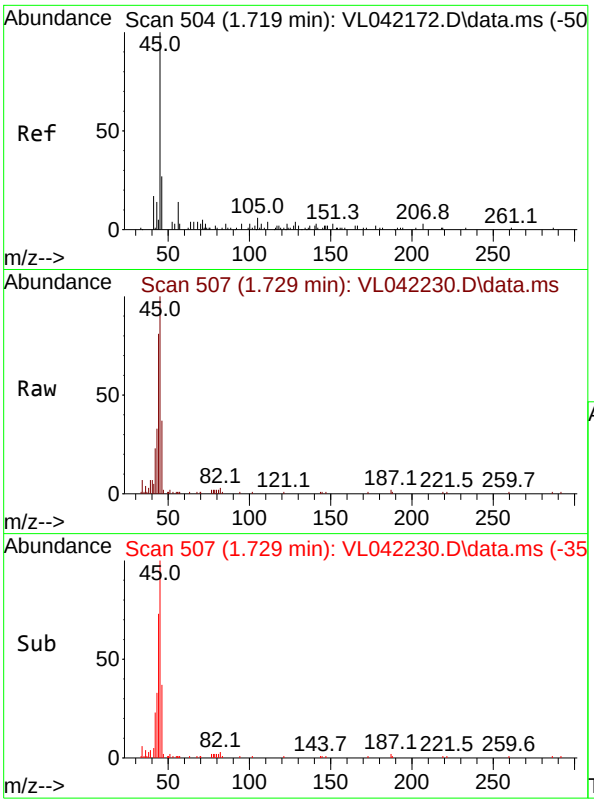


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.006 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:101 Resp: 210391

Ion	Ratio	Lower	Upper
101	100		
151	68.4	57.1	85.7

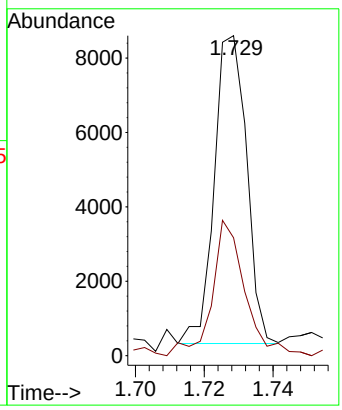




#13
Ethanol
Concen: 4.172 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 45 Resp: 539

Ion	Ratio	Lower	Upper
45	100		
46	48.4	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
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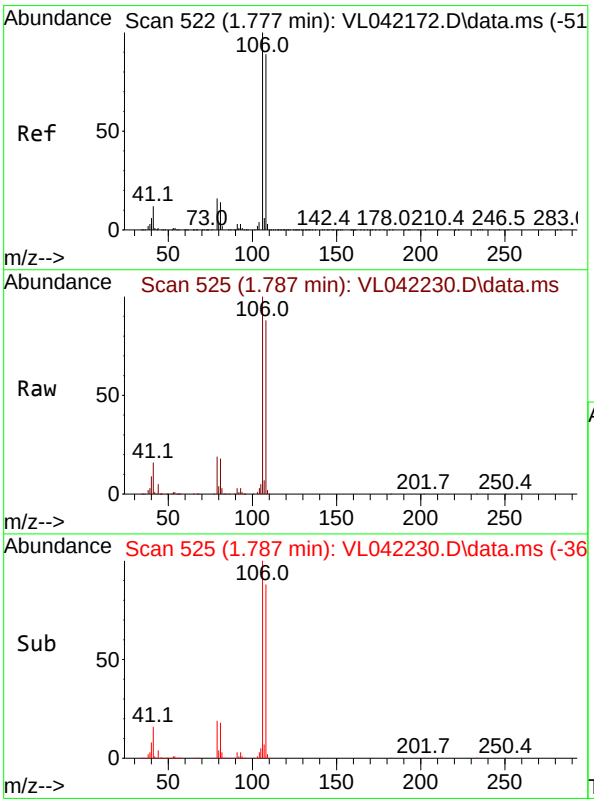
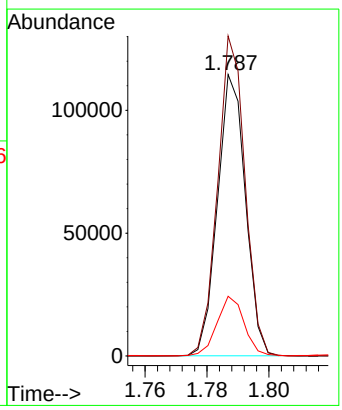
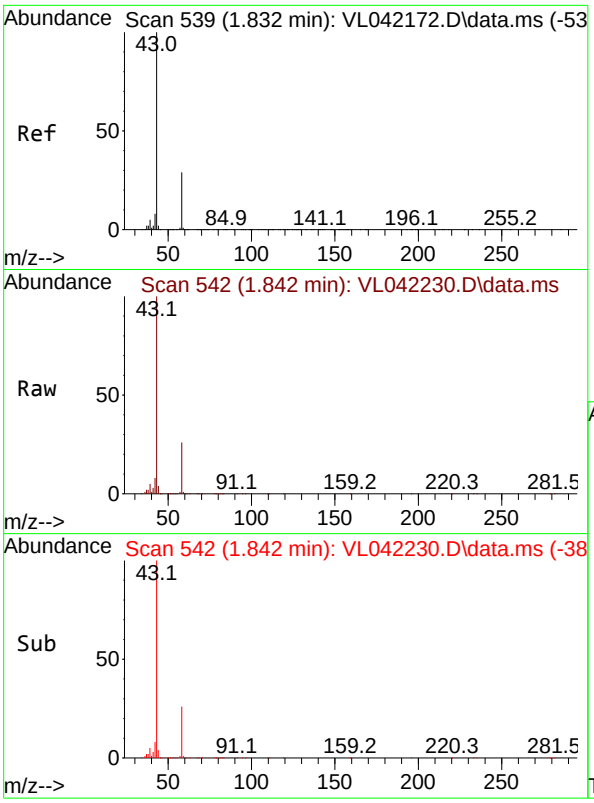


#14
Bromoethene
Concen: 8.016 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:108 Resp: 71737

Ion	Ratio	Lower	Upper
108	100		
106	111.4	86.8	130.2
79	21.4	15.0	22.6





#15
Acetone
Concen: 8.330 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 23046

Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.2	34.8

Instrument :
MSVOA_L
ClientSampleId :
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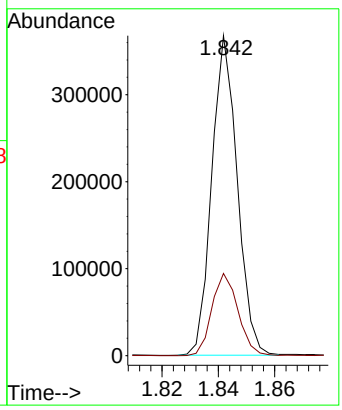
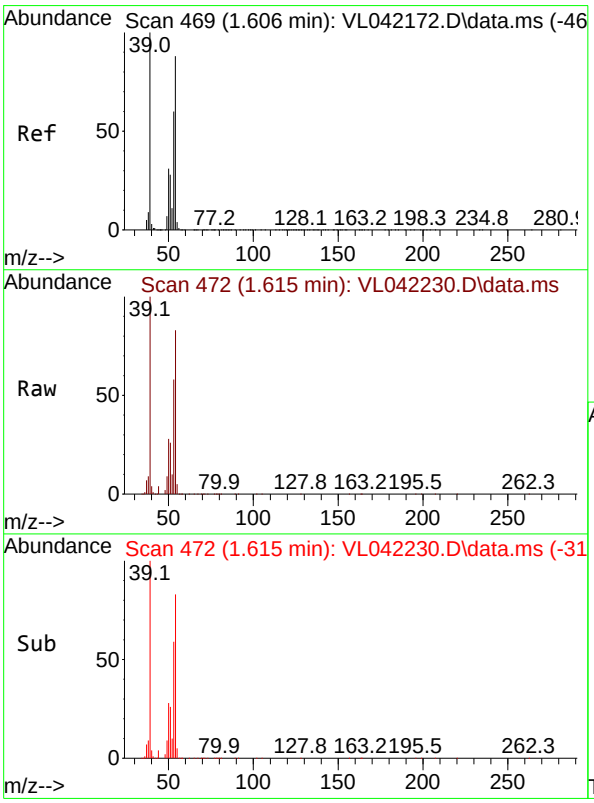
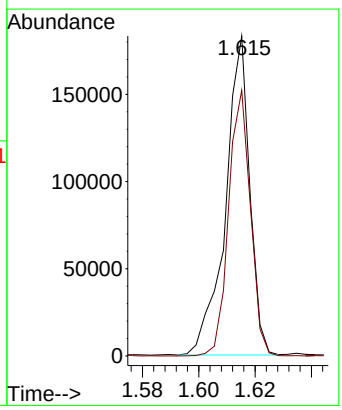


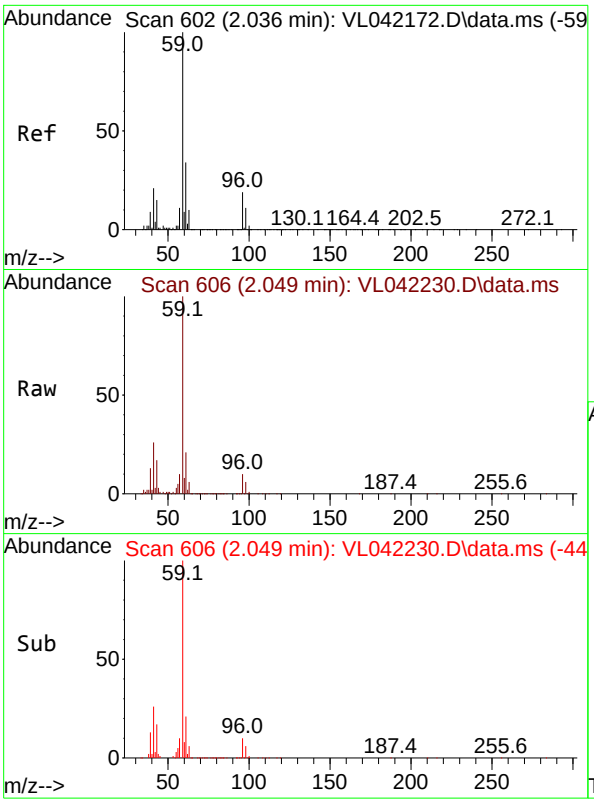


#16
1,3-Butadiene
Concen: 8.090 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 39 Resp: 109306

Ion	Ratio	Lower	Upper
39	100		
54	74.7	60.7	91.1





#17
tert-Butyl alcohol
Concen: 7.879 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 59 Resp: 27148

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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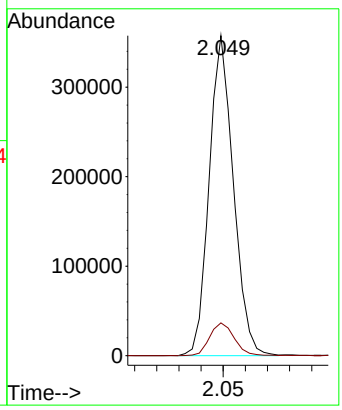
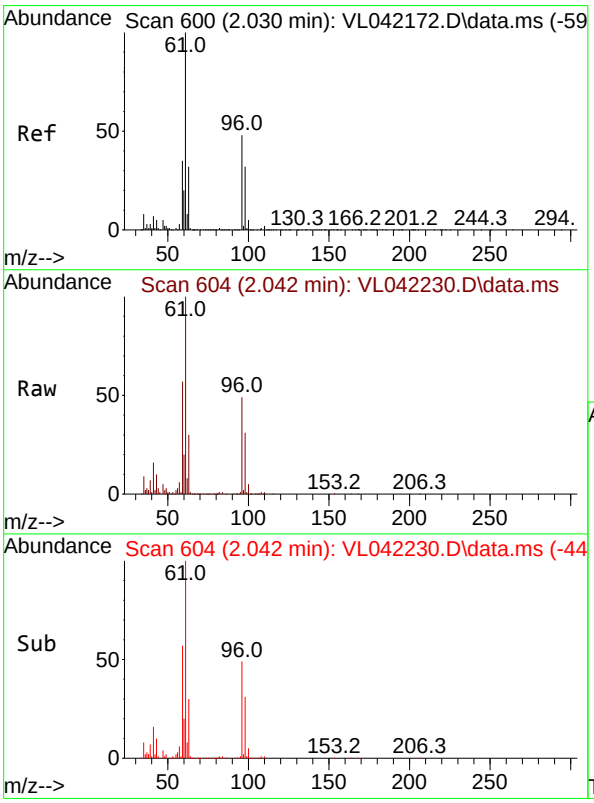
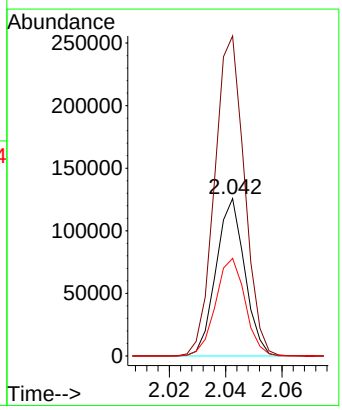


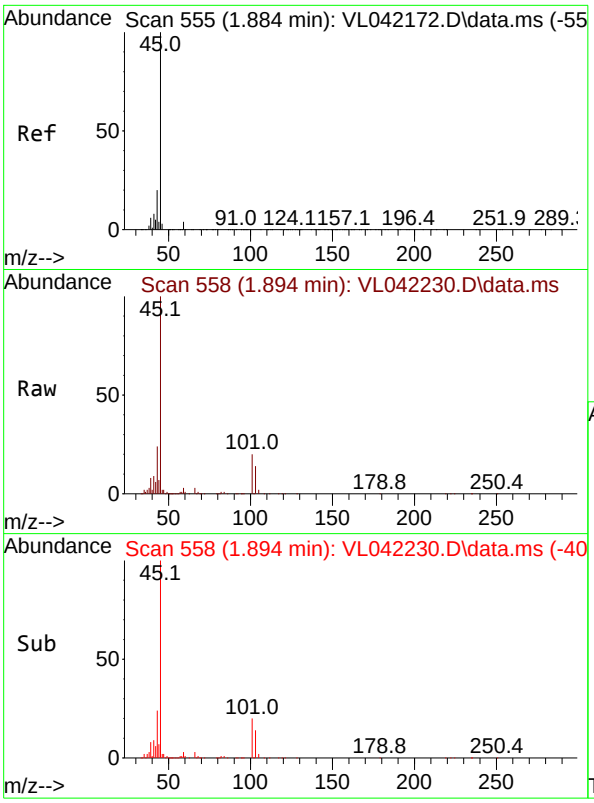


#18
1,1-Dichloroethene
Concen: 8.125 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 96 Resp: 88728

Ion	Ratio	Lower	Upper
96	100		
61	203.0	167.6	251.4
98	62.0	53.5	80.3





#19
Isopropyl Alcohol
Concen: 8.272 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 45 Resp: 12913

Ion	Ratio	Lower	Upper
45	100		
58	47.5	36.9	55.3

Instrument :
MSVOA_L
ClientSampleId :
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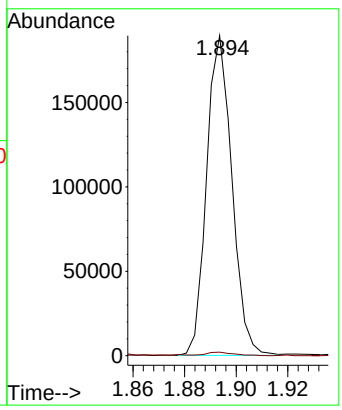
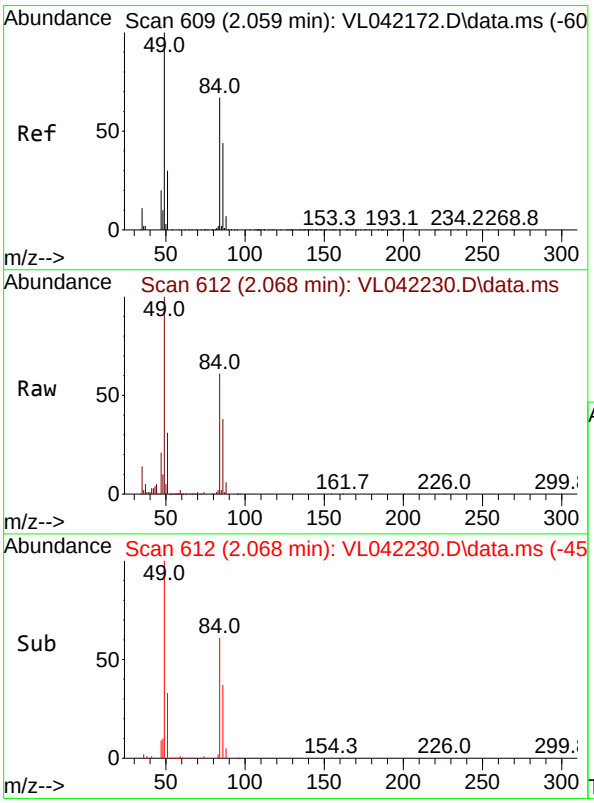
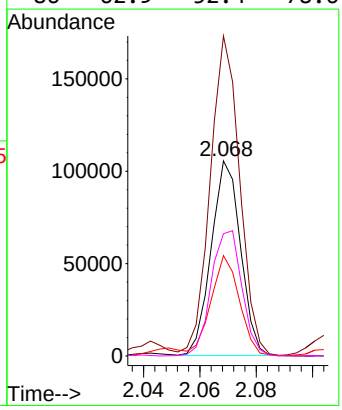


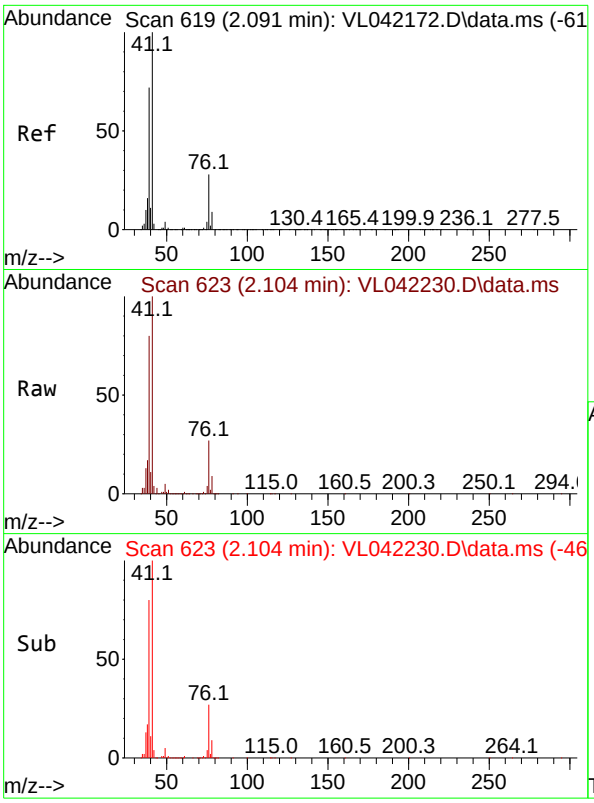


#20
Methylene Chloride
Concen: 7.391 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 84 Resp: 76153

Ion	Ratio	Lower	Upper
84	100		
49	164.4	120.2	180.4
51	51.4	37.4	56.0
86	62.9	52.4	78.6

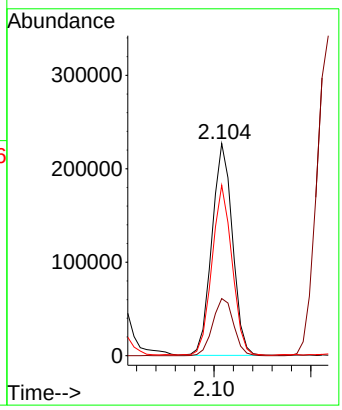




#21
Allyl Chloride
Concen: 8.576 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 41 Resp: 16733

Ion	Ratio	Lower	Upper
41	100		
76	27.4	24.1	36.1
39	77.4	61.1	91.7



Instrument :
MSVOA_L
ClientSampleId :
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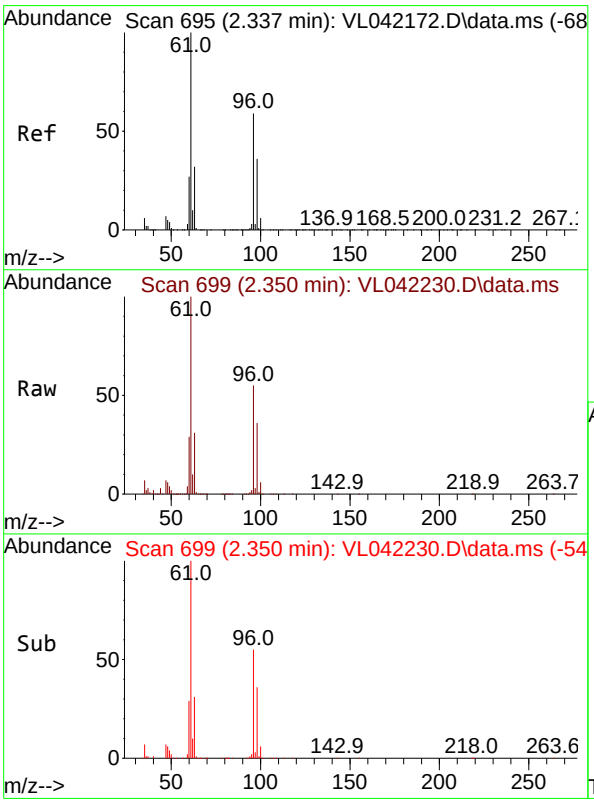
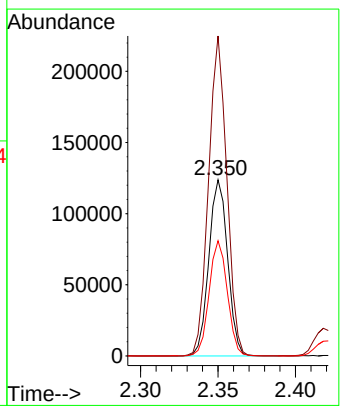
Supervised By :Mahesh Dadoda 04/09/2025

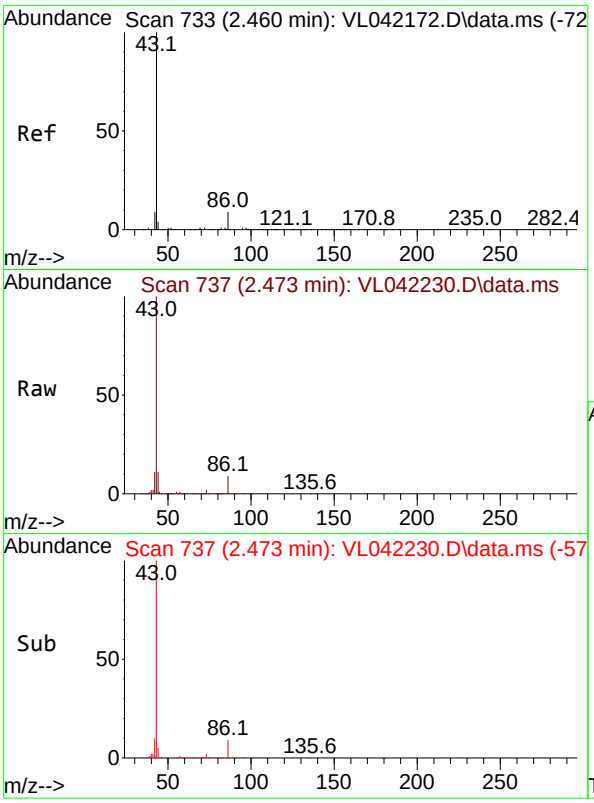


#22
trans-1,2-Dichloroethene
Concen: 8.275 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 96 Resp: 104449

Ion	Ratio	Lower	Upper
96	100		
61	181.6	136.6	204.8
98	65.4	49.4	74.2

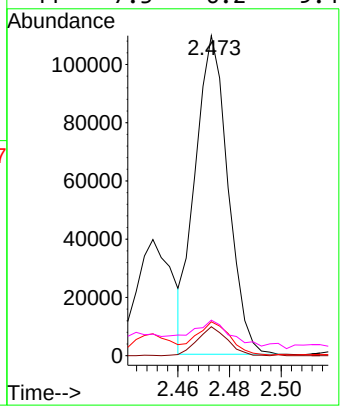




#23
Vinyl Acetate
Concen: 8.050 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 9639

Ion	Ratio	Lower	Upper
43	100		
86	8.8	5.5	8.3#
42	10.3	8.6	13.0
44	7.3	6.2	9.4



Instrument :
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ClientSampleId :
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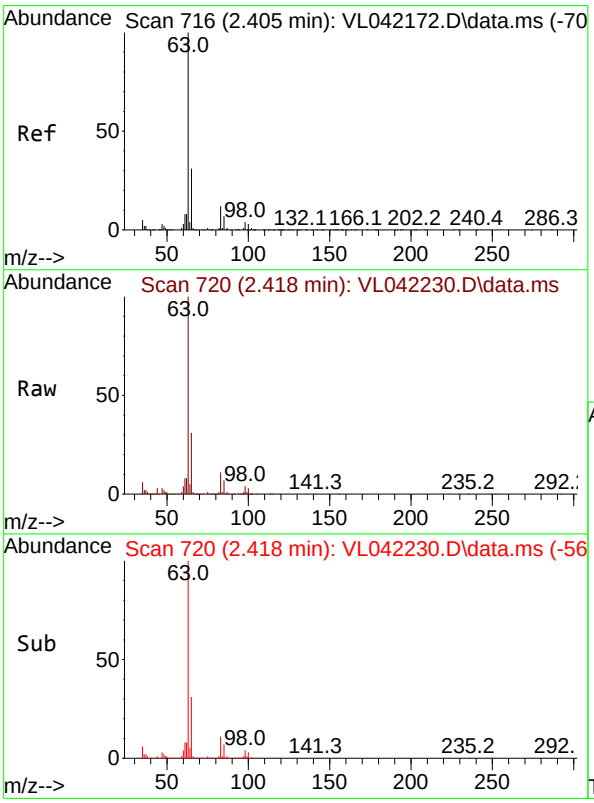
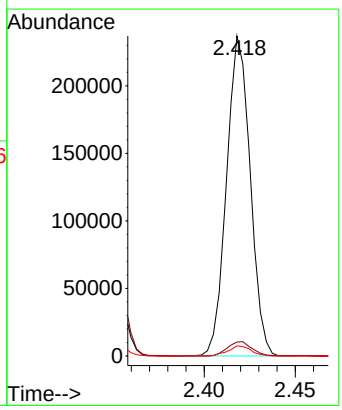
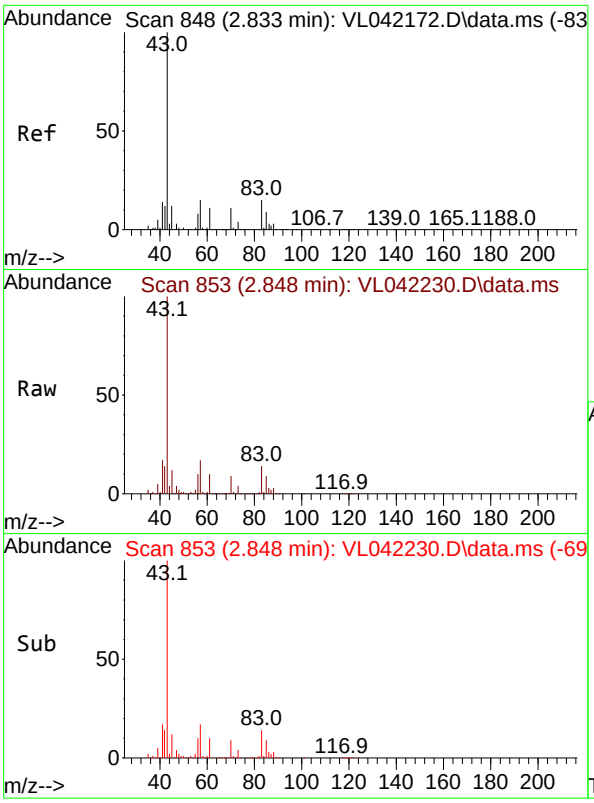


#24
1,1-Dichloroethane
Concen: 9.152 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 63 Resp: 214121

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.8
100	3.2	1.6	4.7

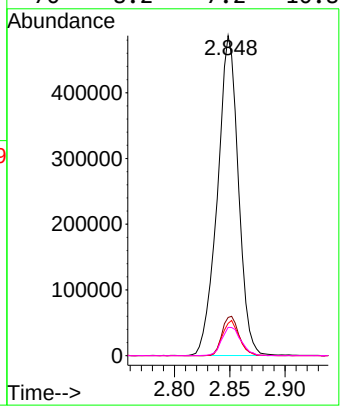




#25
Ethyl Acetate
Concen: 8.902 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 63921

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	8.9	7.3	10.9
70	8.2	7.2	10.8



Instrument :
MSVOA_L
ClientSampleId :
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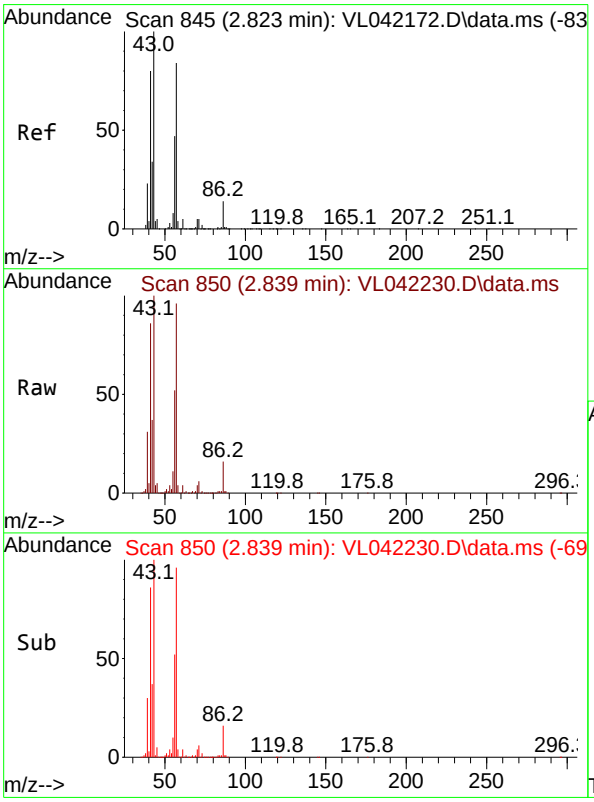
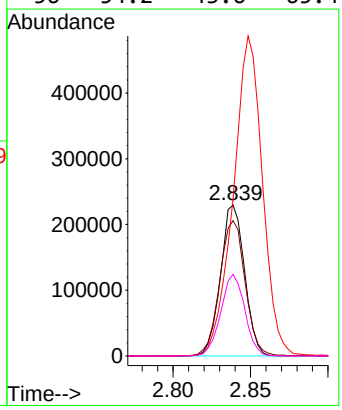
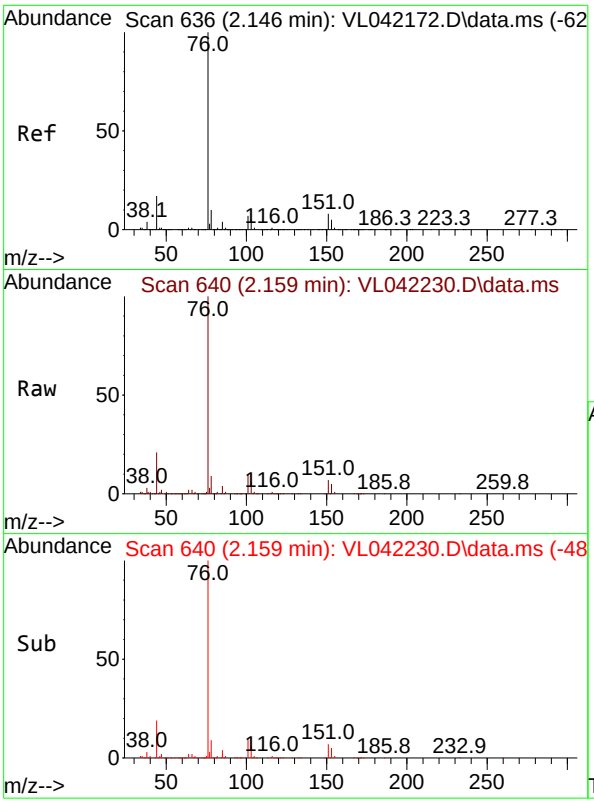


#26
Hexane
Concen: 8.897 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 57 Resp: 246755

Ion	Ratio	Lower	Upper
57	100		
41	96.1	76.6	114.8
43	259.7	207.8	311.8
56	54.2	43.6	65.4





#27
Carbon Disulfide
Concen: 8.689 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 76 Resp: 25841

Ion	Ratio	Lower	Upper
76	100		
44	20.9	14.7	22.1
78	11.5	9.3	13.9

Instrument :
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ClientSampleId :
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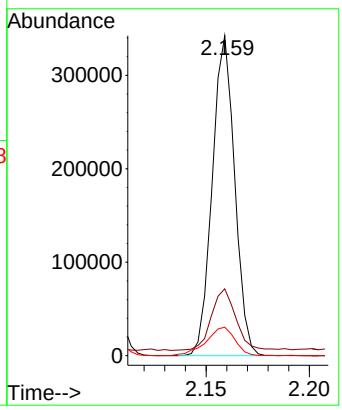
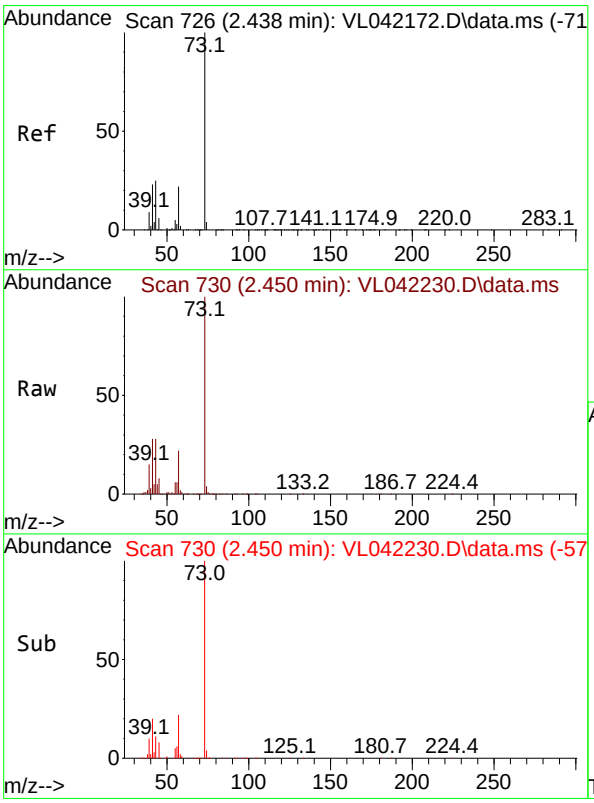
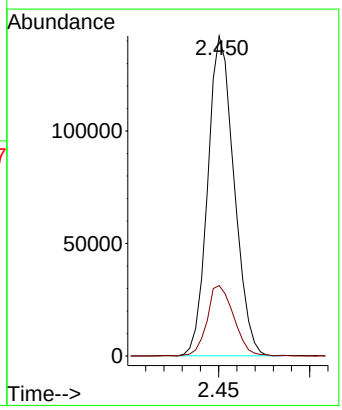


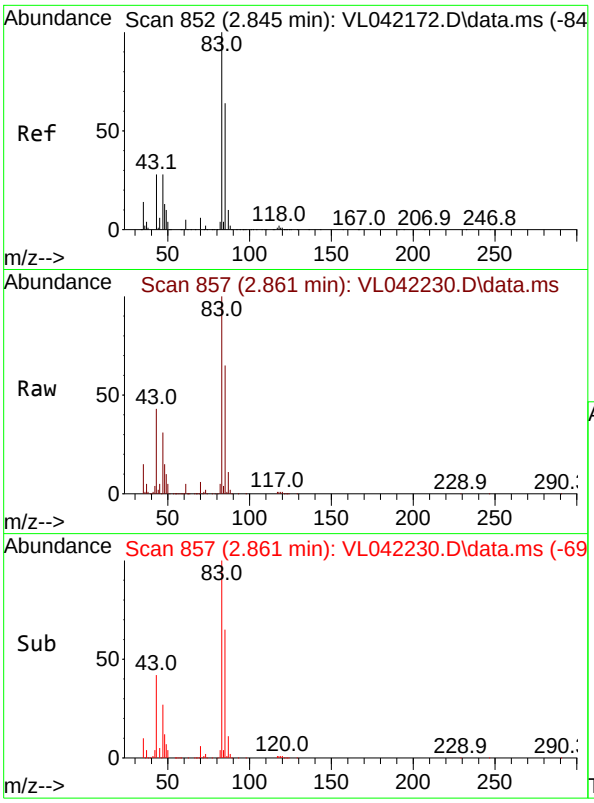


#28
Methyl tert-Butyl Ether
Concen: 8.259 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 73 Resp: 142610

Ion	Ratio	Lower	Upper
73	100		
57	22.4	20.5	30.7





#29
Chloroform
Concen: 9.793 ppbv
RT: 2.861 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 83 Resp: 39751

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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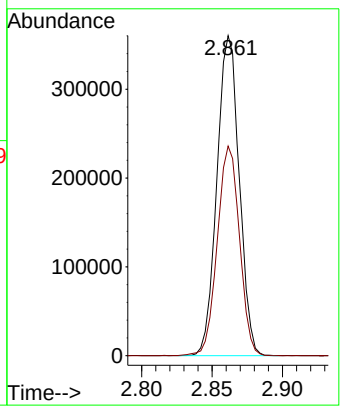
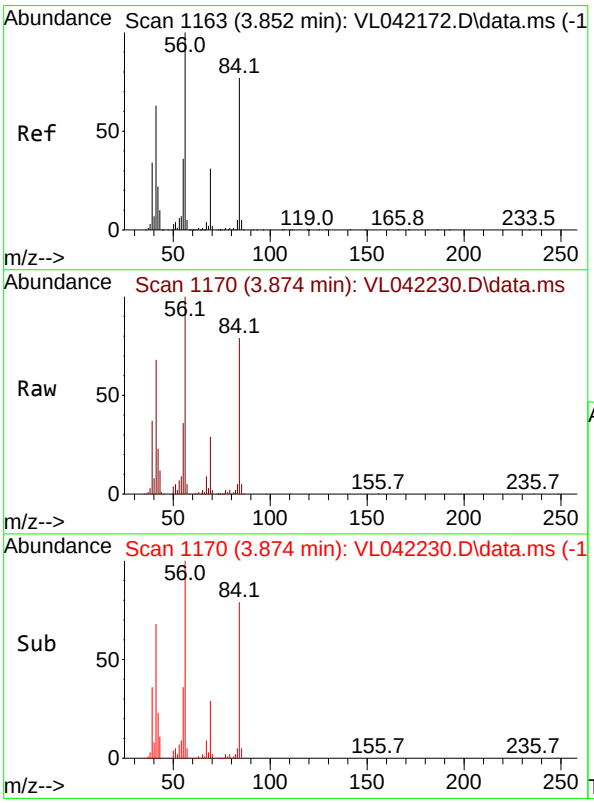
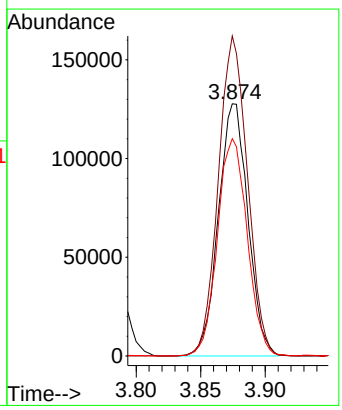


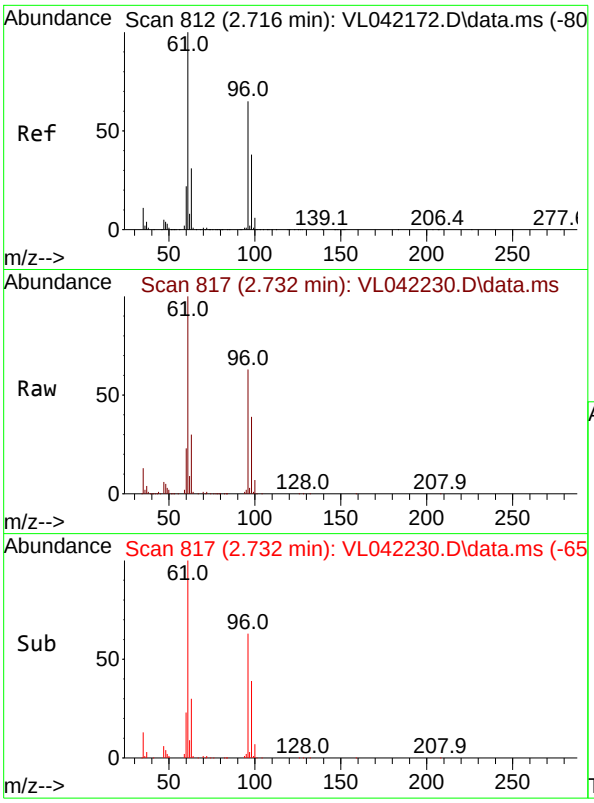


#30
Cyclohexane
Concen: 8.451 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 84 Resp: 203521

Ion	Ratio	Lower	Upper
84	100		
56	125.0	102.8	154.2
41	86.8	66.5	99.7

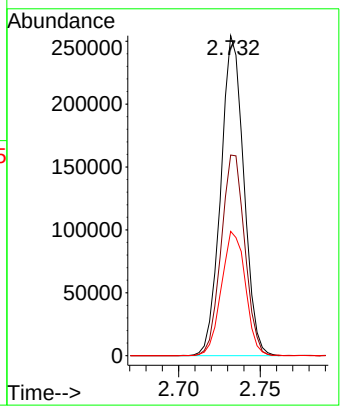




#31
cis-1,2-Dichloroethene
Concen: 8.864 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 61 Resp: 24959

Ion	Ratio	Lower	Upper
61	100		
96	62.7	51.8	77.8
98	38.8	30.6	46.0



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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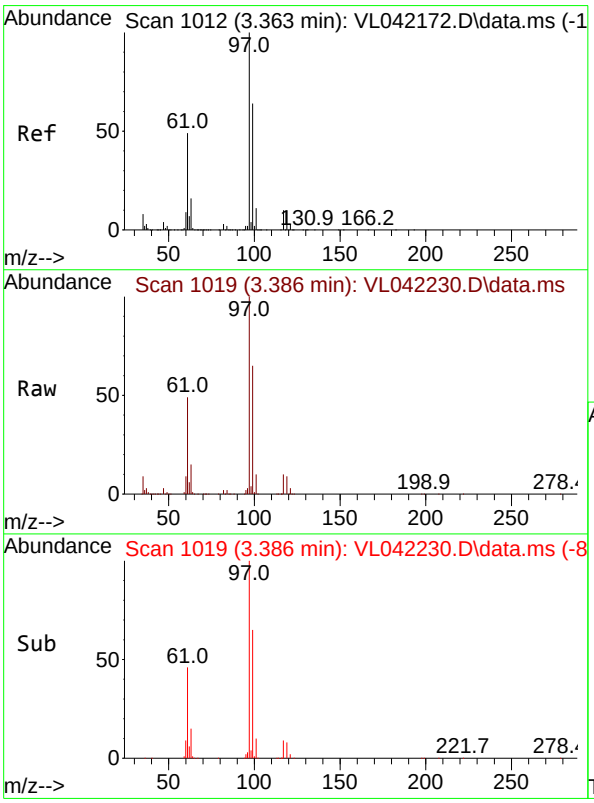
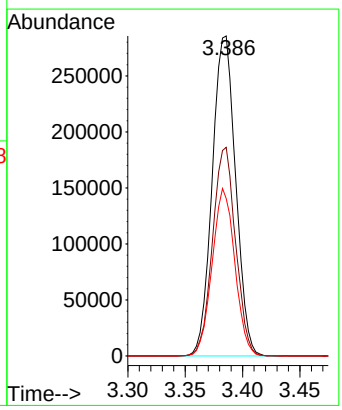
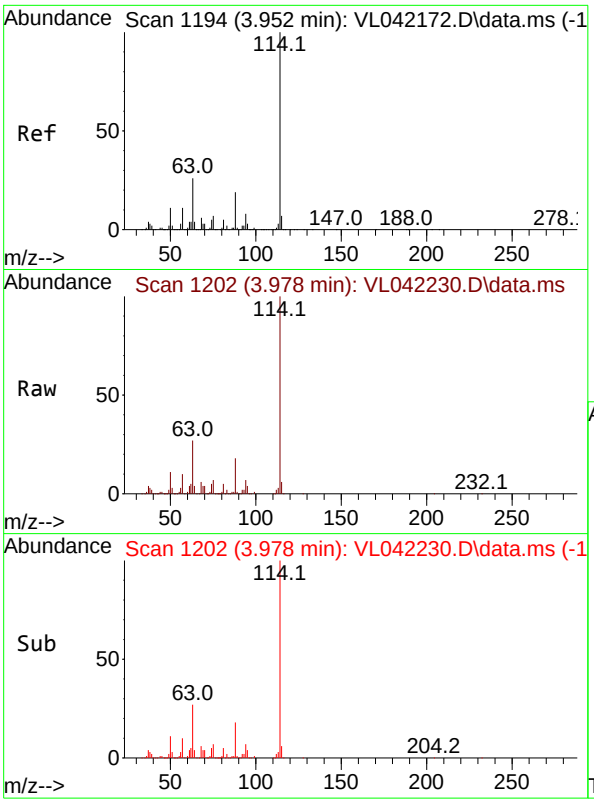


#32
1,1,1-Trichloroethane
Concen: 8.739 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 97 Resp: 406124

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	50.7	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:114 Resp: 53134

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.0	15.0	22.4

Instrument :
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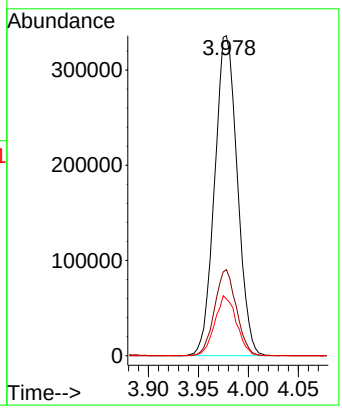
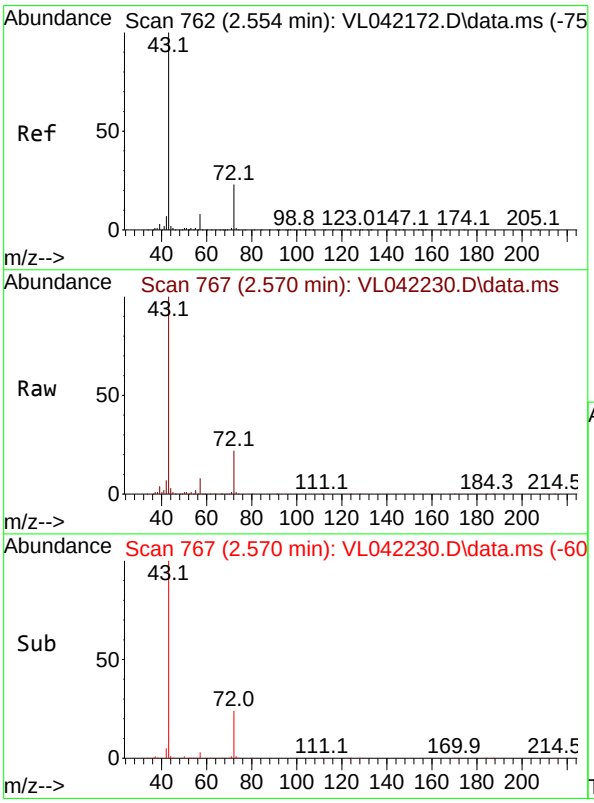
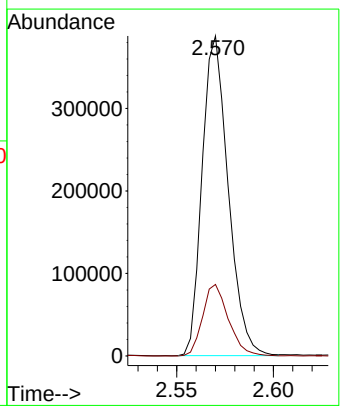


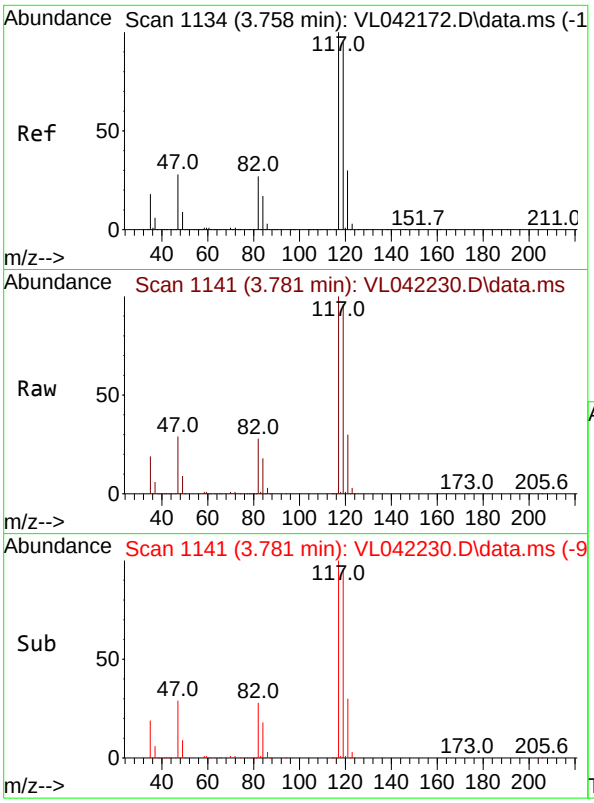


#34
2-Butanone
Concen: 9.420 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 362939

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.2	27.2





#35
Carbon Tetrachloride
Concen: 10.079 ppbv
RT: 3.781 min Scan# 1
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:117 Resp: 41836

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.2
121	29.9	24.2	36.4

Instrument :
MSVOA_L
ClientSampleId :
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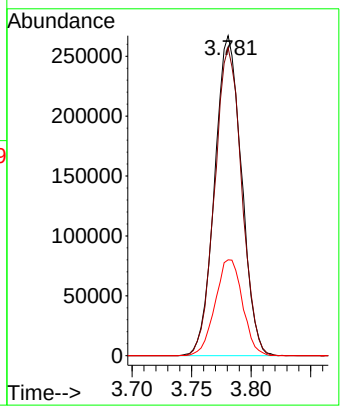
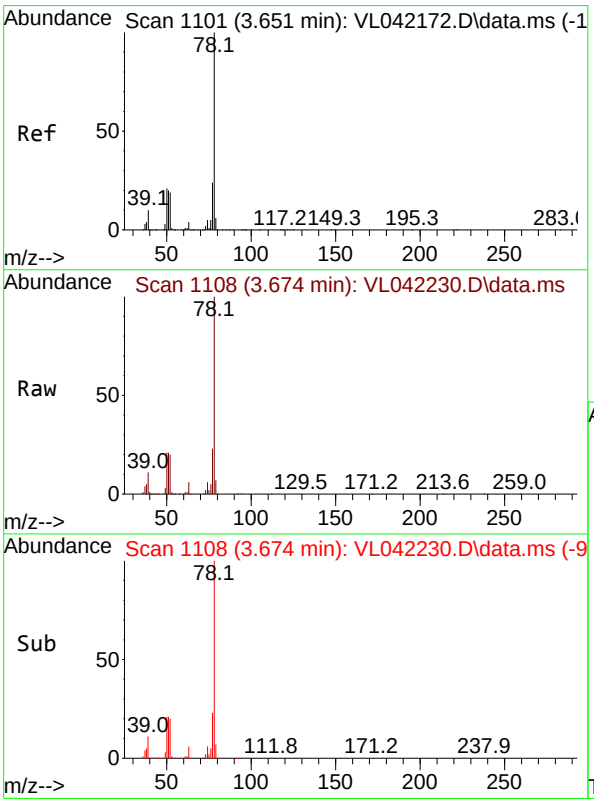
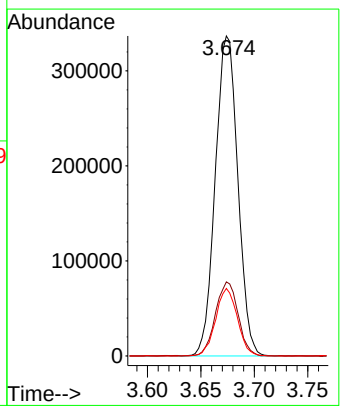


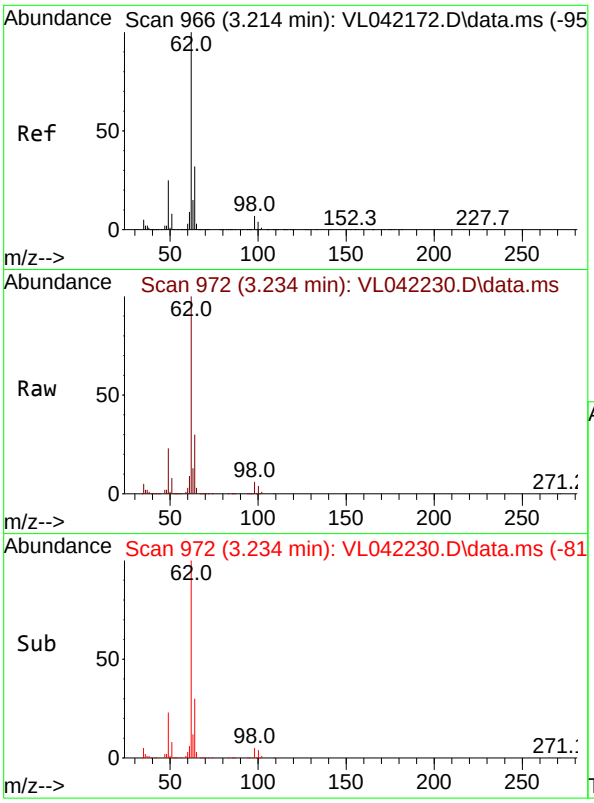


#36
Benzene
Concen: 9.382 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 78 Resp: 494216

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7
50	21.1	16.6	24.8

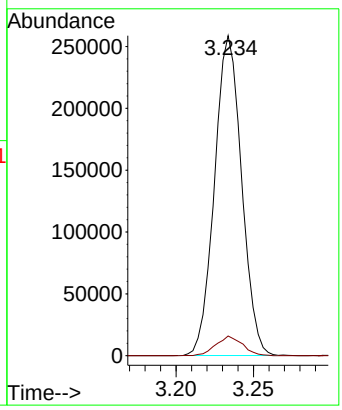




#37
1,2-Dichloroethane
Concen: 10.424 ppbv
RT: 3.234 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 62 Resp: 31437

Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.4	8.2



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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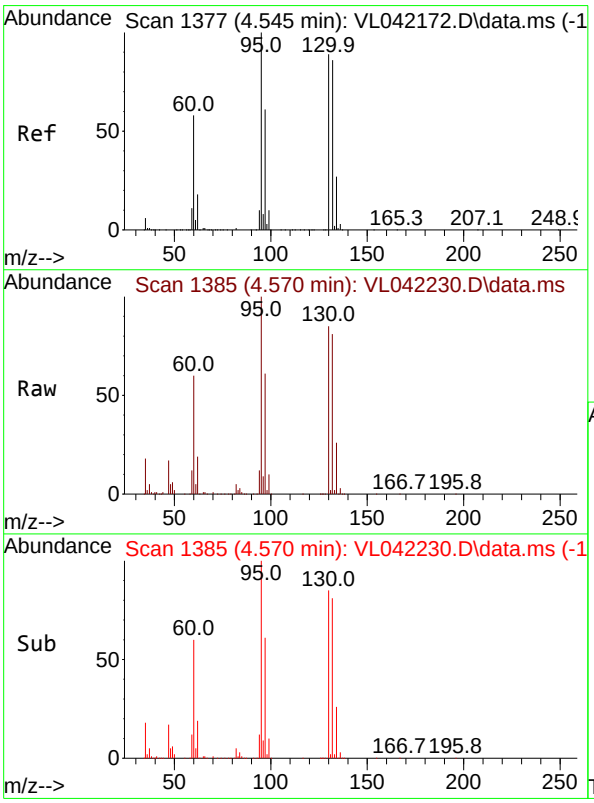
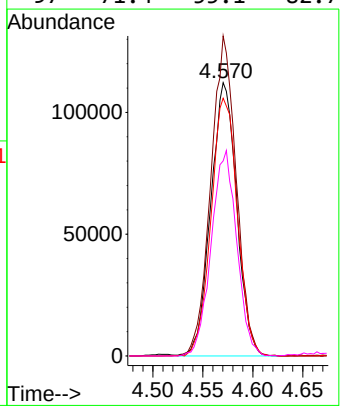
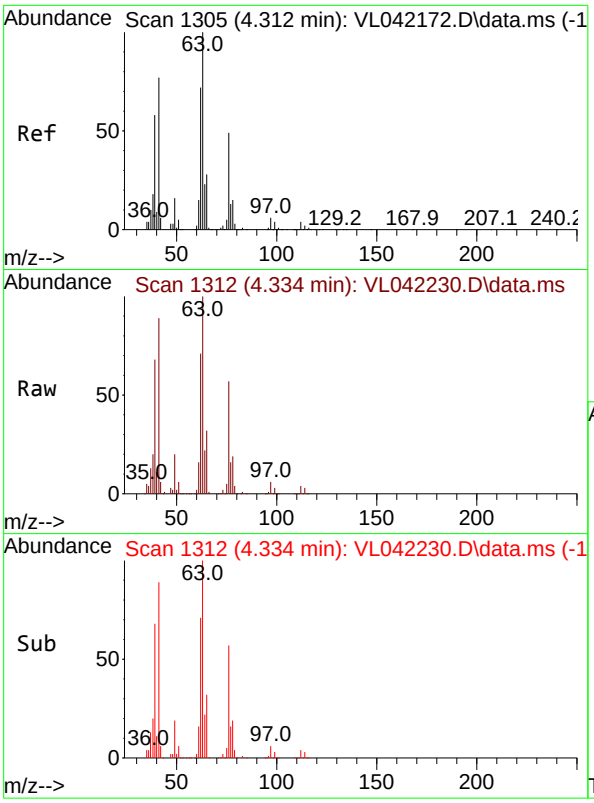


#38
Trichloroethene
Concen: 9.217 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:130 Resp: 202575

Ion	Ratio	Lower	Upper
130	100		
95	117.1	89.8	134.8
132	94.3	77.4	116.2
97	71.4	55.1	82.7

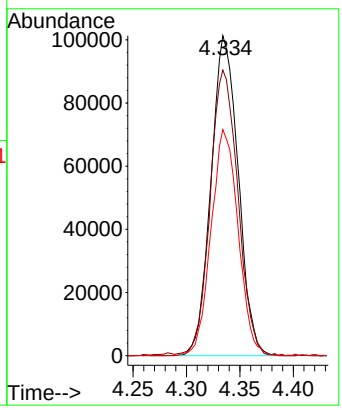




#39
1,2-Dichloropropane
Concen: 9.356 ppbv
RT: 4.334 min Scan# 1
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 63 Resp: 17948

Ion	Ratio	Lower	Upper
63	100		
41	89.1	61.7	92.5
62	70.5	57.6	86.4



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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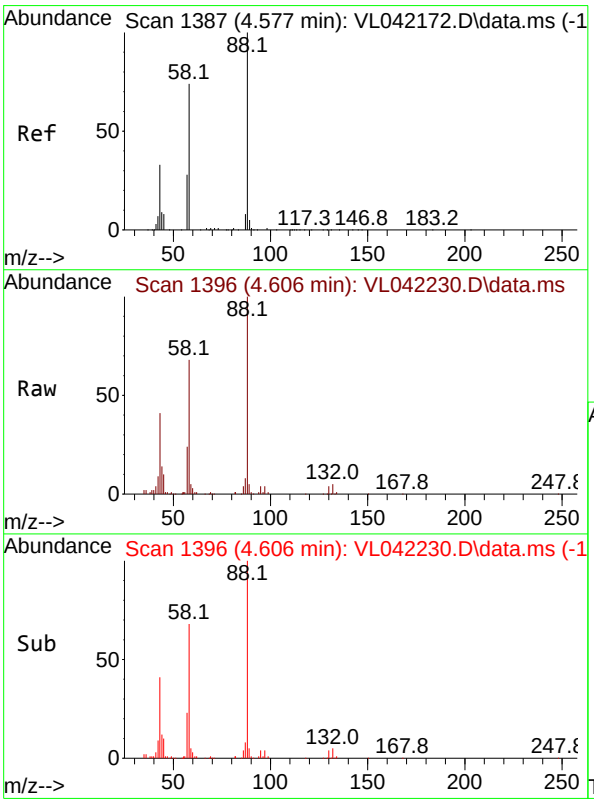
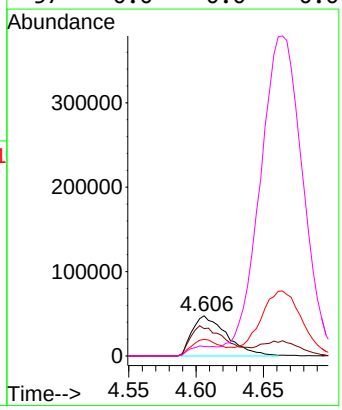
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

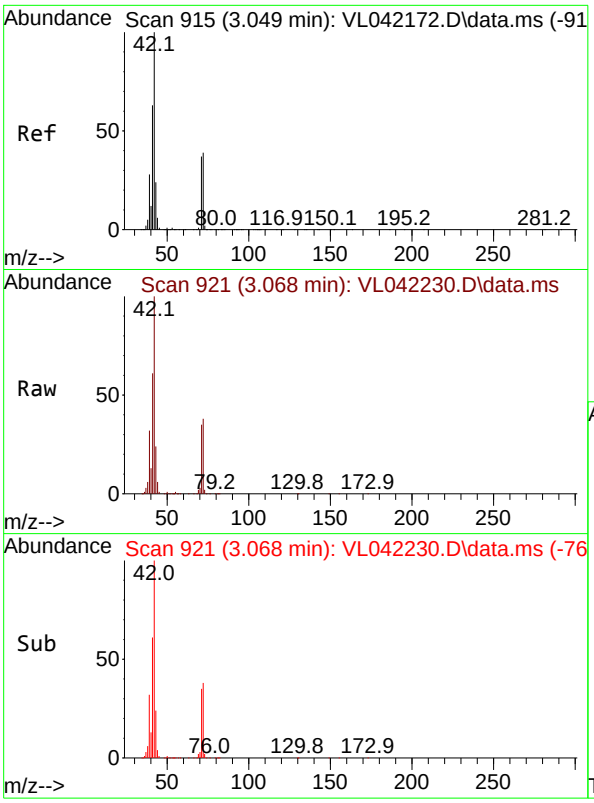


#40
1,4-Dioxane
Concen: 8.358 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 88 Resp: 85103

Ion	Ratio	Lower	Upper
88	100		
58	75.6	62.7	94.1
43	37.4	23.0	34.4#
57	0.0	0.0	0.0

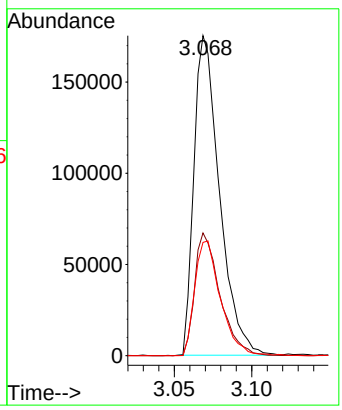




#41
Tetrahydrofuran
Concen: 9.071 ppbv
RT: 3.068 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 42 Resp: 20126

Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.4	47.0
71	36.3	30.2	45.4



Instrument :
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ClientSampleId :
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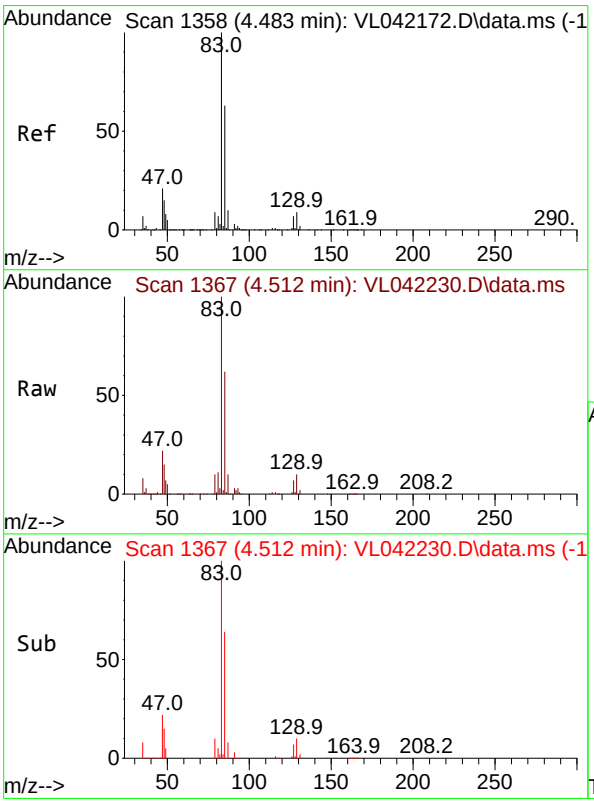
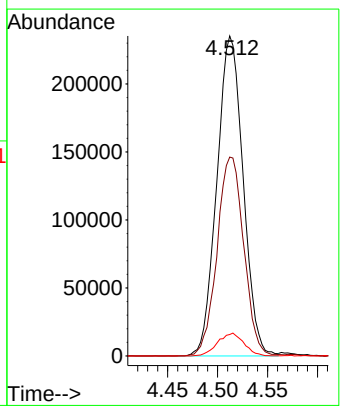
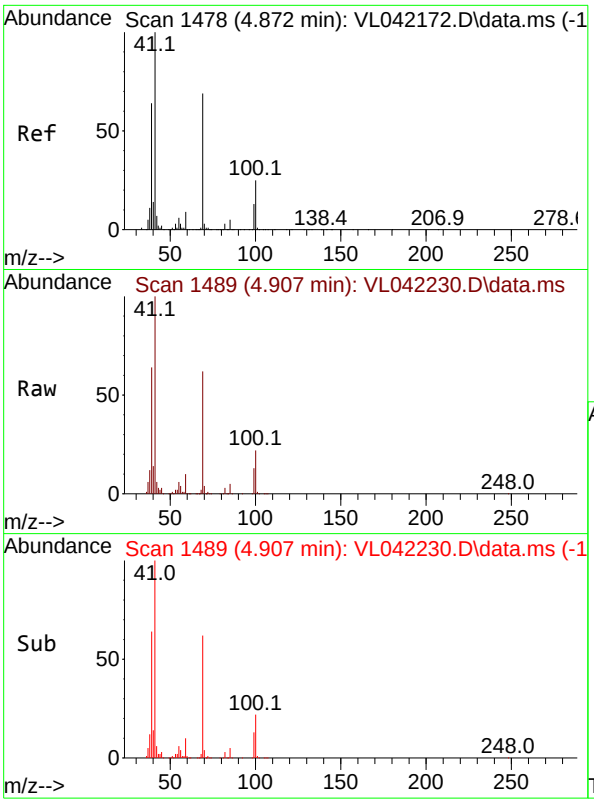


#42
Bromodichloromethane
Concen: 10.361 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 83 Resp: 430763

Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.5	75.7
127	6.7	5.9	8.9





#43
Methyl Methacrylate
Concen: 8.470 ppbv
RT: 4.907 min Scan# 14
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 69 Resp: 18887

Ion	Ratio	Lower	Upper
69	100		
41	158.5	123.8	185.6
100	35.6	28.4	42.6

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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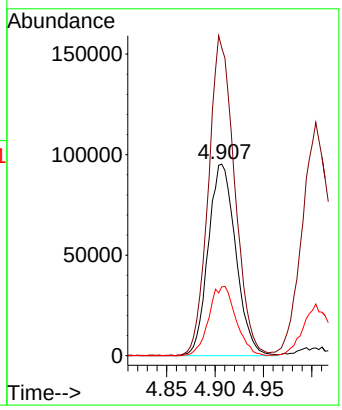
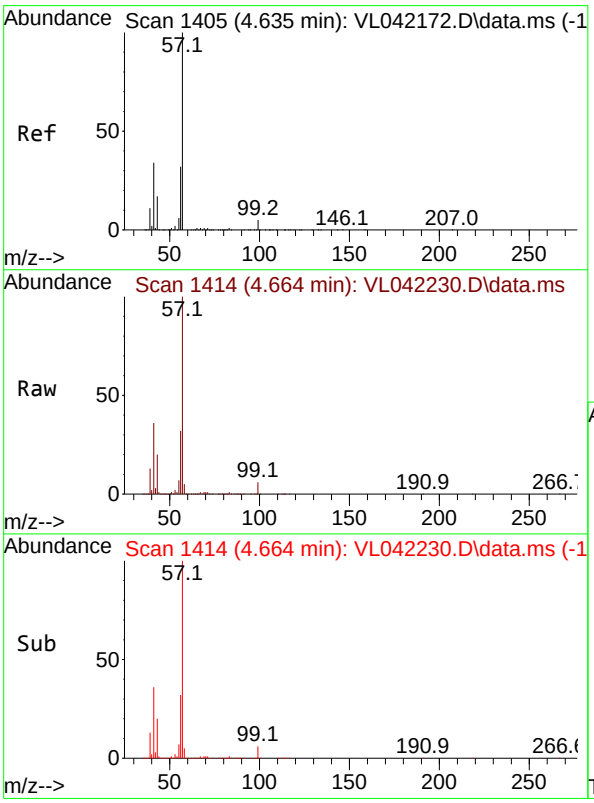
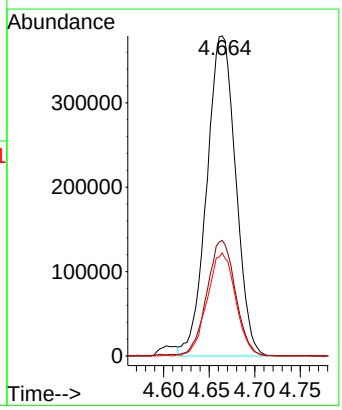


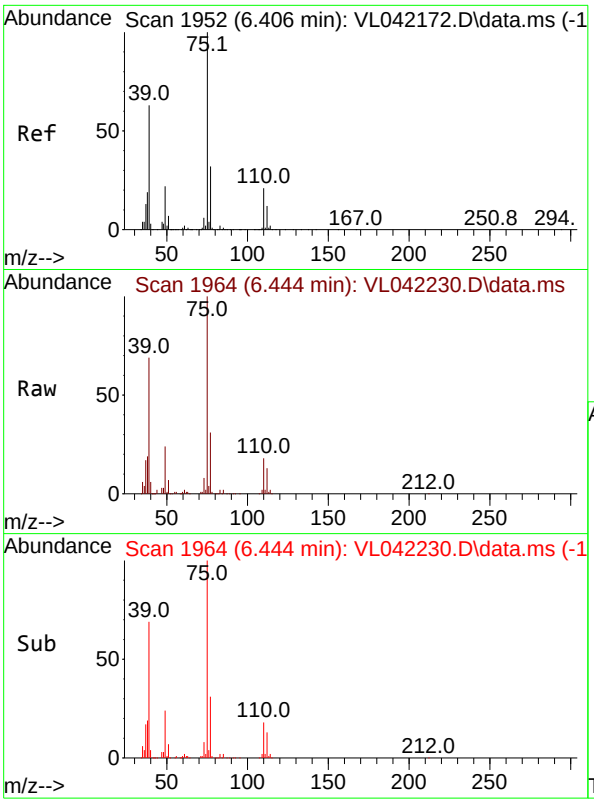


#44
2,2,4-Trimethylpentane
Concen: 9.414 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 57 Resp: 838005

Ion	Ratio	Lower	Upper
57	100		
41	36.2	26.8	40.2
56	31.7	25.6	38.4

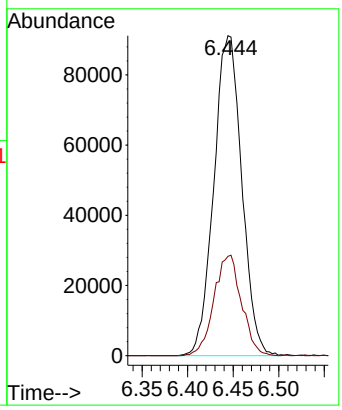




#45
t-1,3-Dichloropropene
Concen: 8.130 ppbv
RT: 6.444 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 75 Resp: 19450

Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
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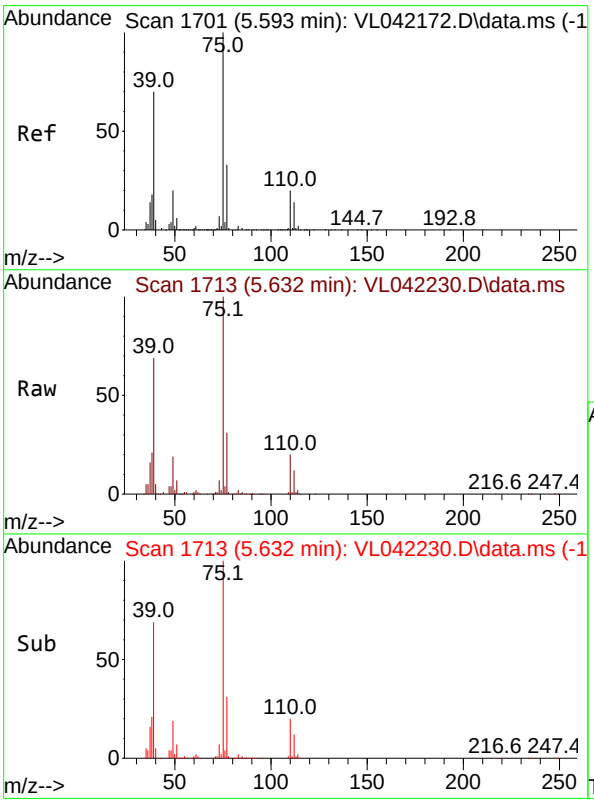
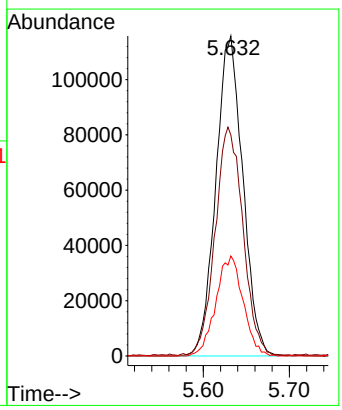
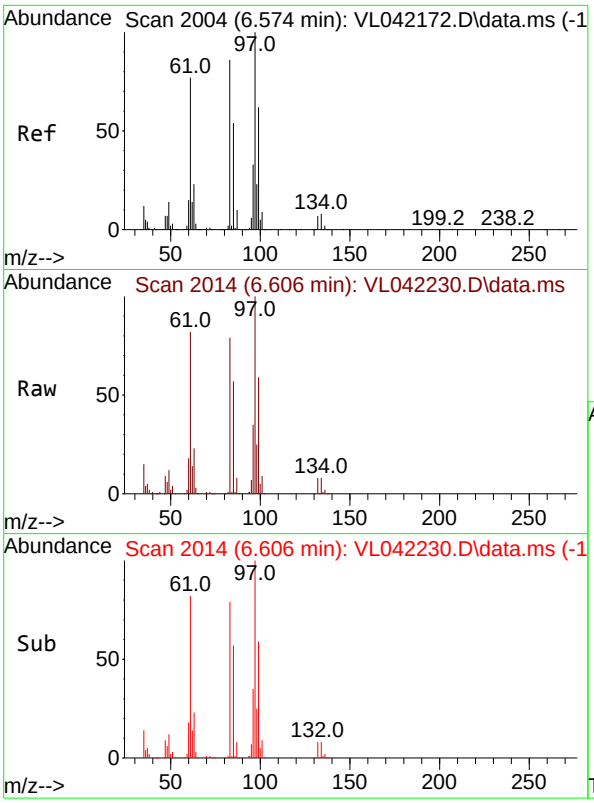


#46
cis-1,3-Dichloropropene
Concen: 8.601 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.039 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 75 Resp: 252229

Ion	Ratio	Lower	Upper
75	100		
39	69.0	55.8	83.6
77	31.3	26.0	39.0

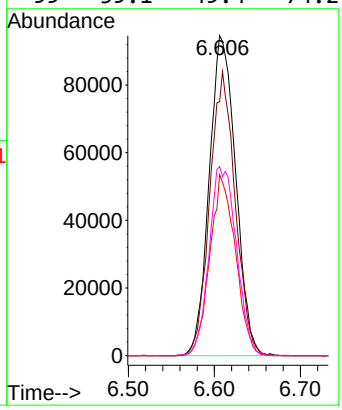




#47
1,1,2-Trichloroethane
Concen: 9.959 ppbv
RT: 6.606 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 97 Resp: 20196

Ion	Ratio	Lower	Upper
97	100		
83	79.2	69.2	103.8
85	56.5	43.1	64.7
99	59.1	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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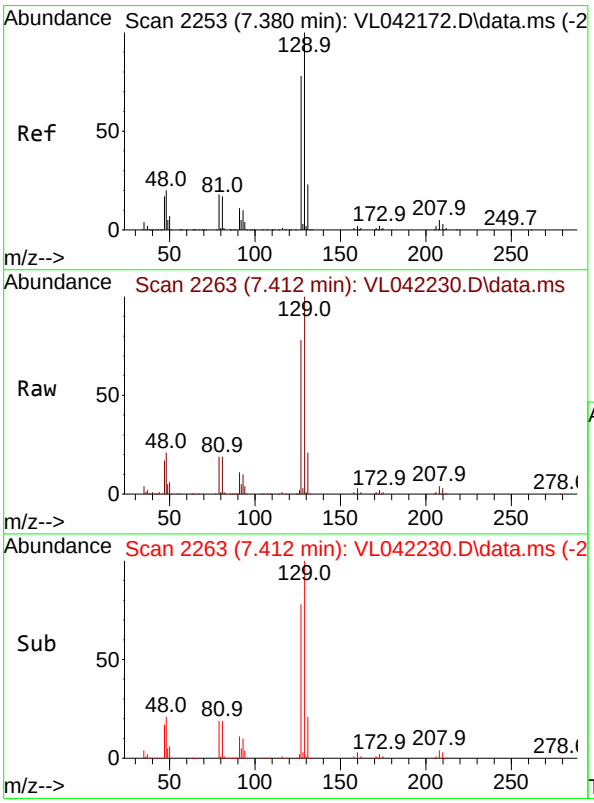
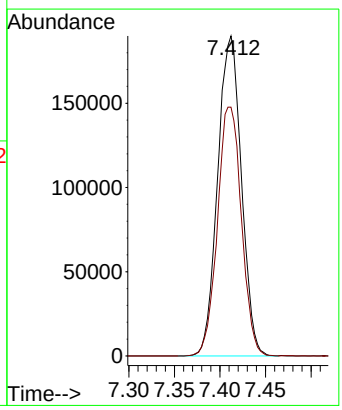
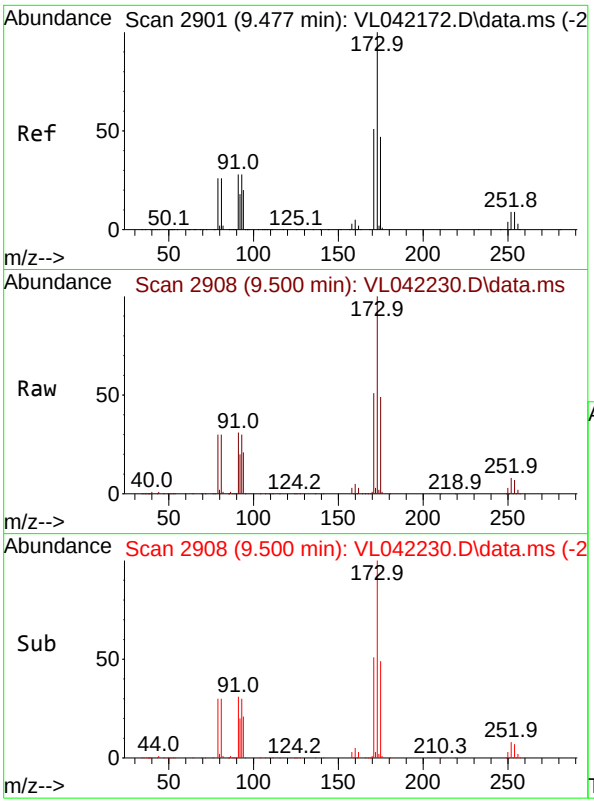


#48
Dibromochloromethane
Concen: 10.007 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.032 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:129 Resp: 343914

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.2

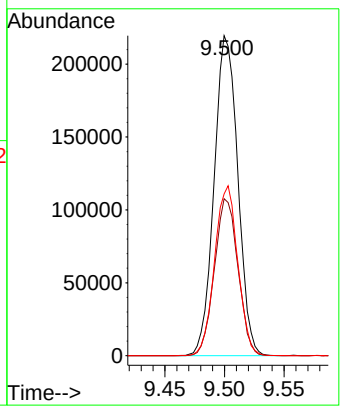




#49
Bromoform
Concen: 9.817 ppbv
RT: 9.500 min Scan# 2
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:173 Resp: 30291

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	57.8
171	52.0	41.8	62.6



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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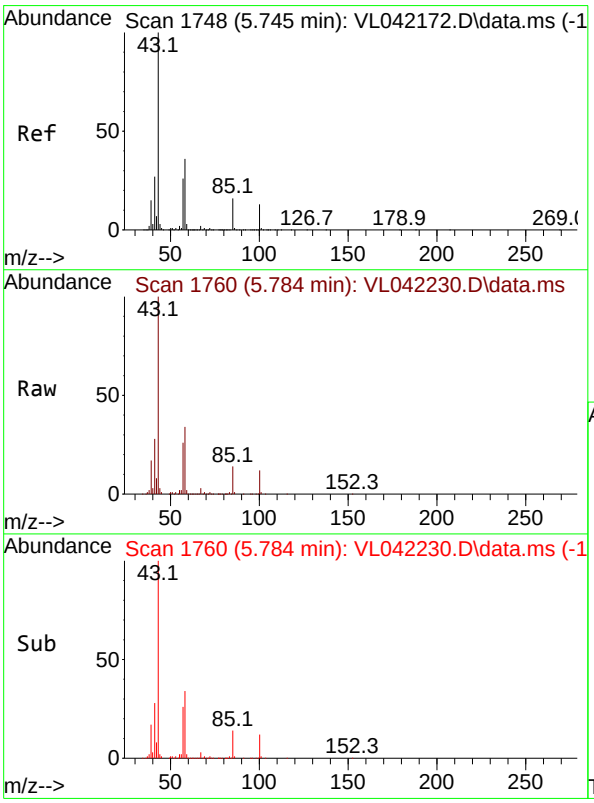
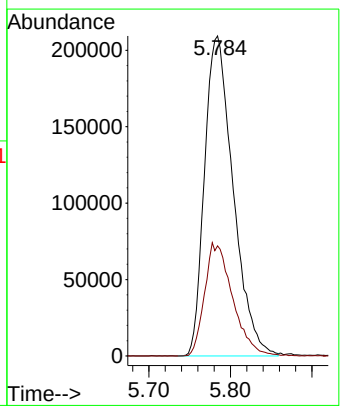
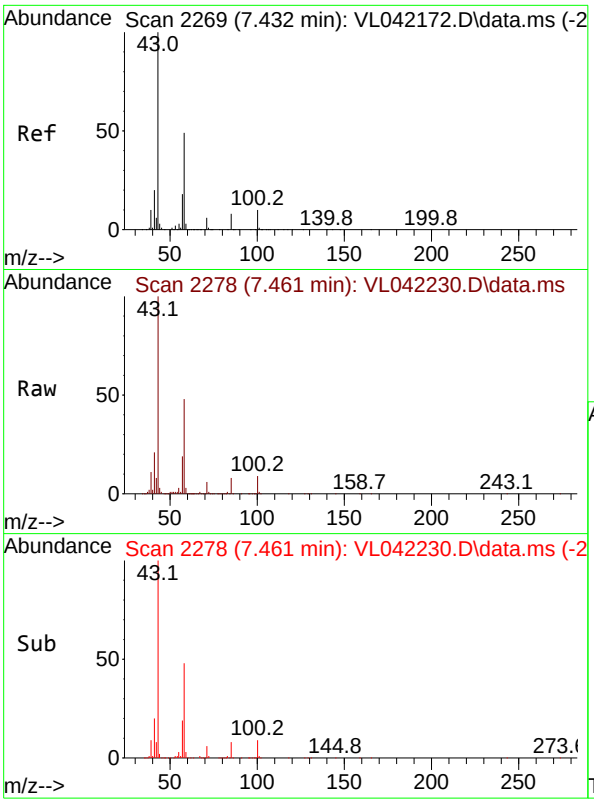


#50
4-Methyl-2-Pentanone
Concen: 8.368 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. 0.039 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 510960

Ion	Ratio	Lower	Upper
43	100		
58	34.6	29.0	43.6





#51
2-Hexanone
Concen: 8.294 ppbv
RT: 7.461 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 41585

Ion	Ratio	Lower	Upper
43	100		
58	46.8	39.7	59.5
98	0.6	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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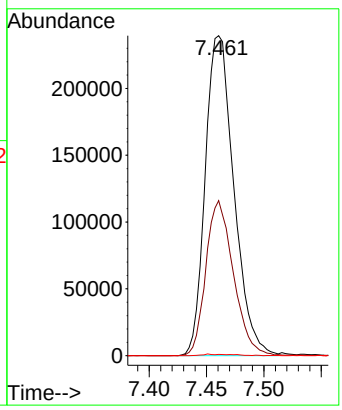
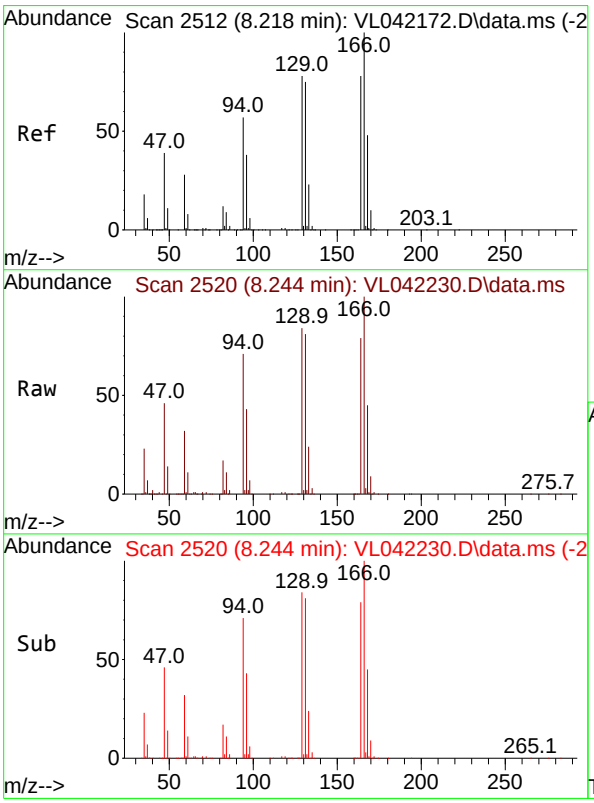
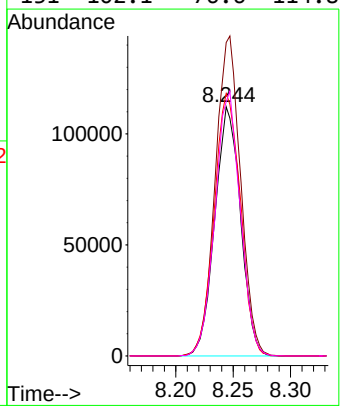


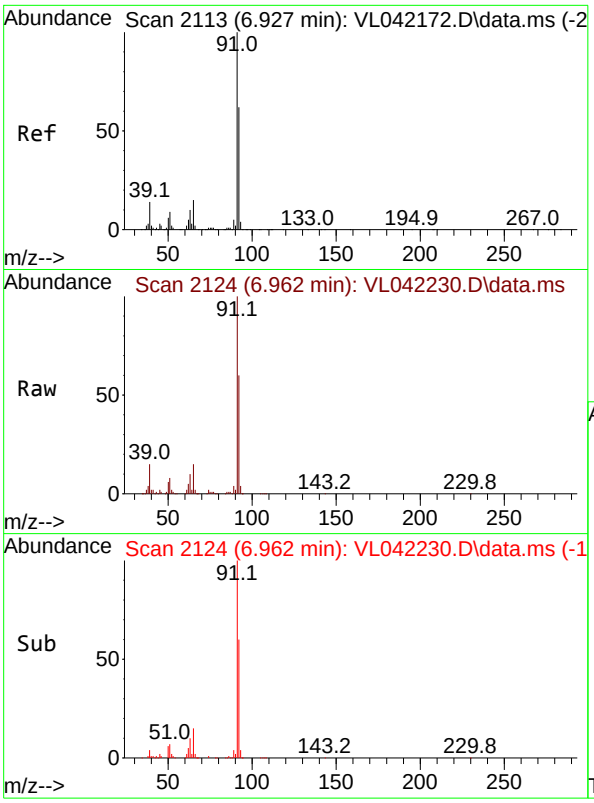


#52
Tetrachloroethene
Concen: 8.359 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:164 Resp: 174622

Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.5	153.7
129	105.3	79.8	119.8
131	102.1	76.6	114.8

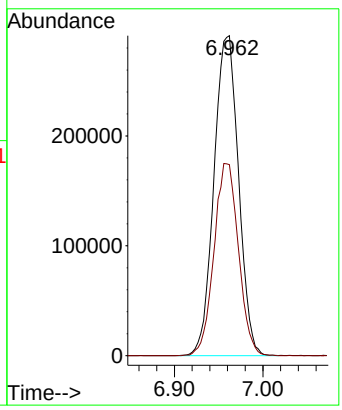




#53
Toluene
Concen: 9.007 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 56242

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
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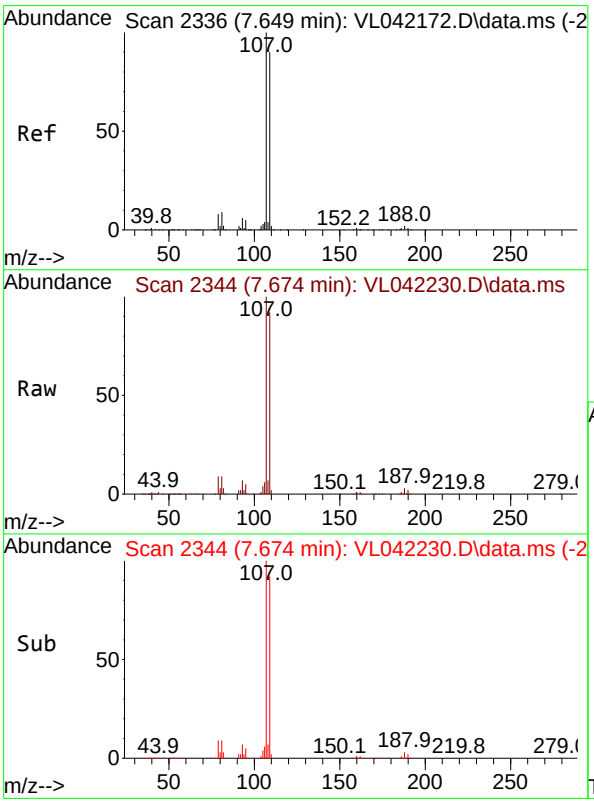
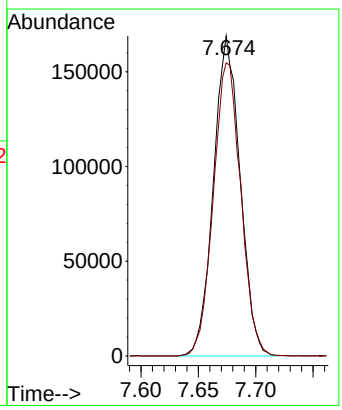
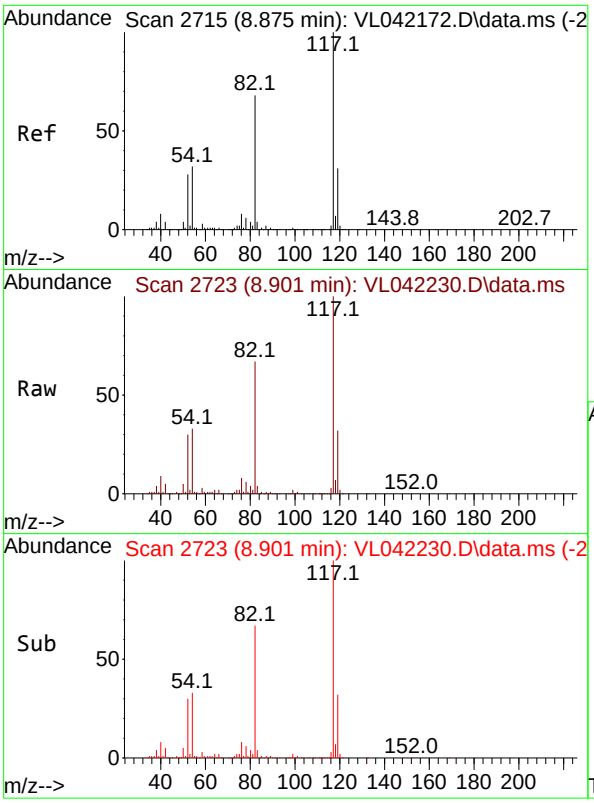


#54
1,2-Dibromoethane
Concen: 9.646 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:107 Resp: 272683

Ion	Ratio	Lower	Upper
107	100		
109	91.6	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:117 Resp: 47398

Ion	Ratio	Lower	Upper
117	100		
82	70.8	55.8	83.6
119	32.2	25.5	38.3

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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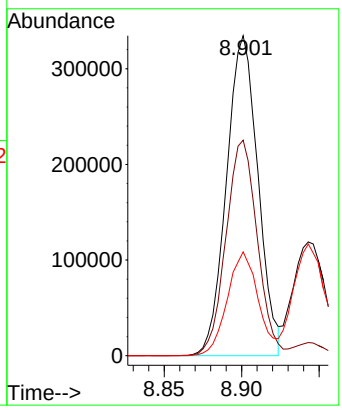
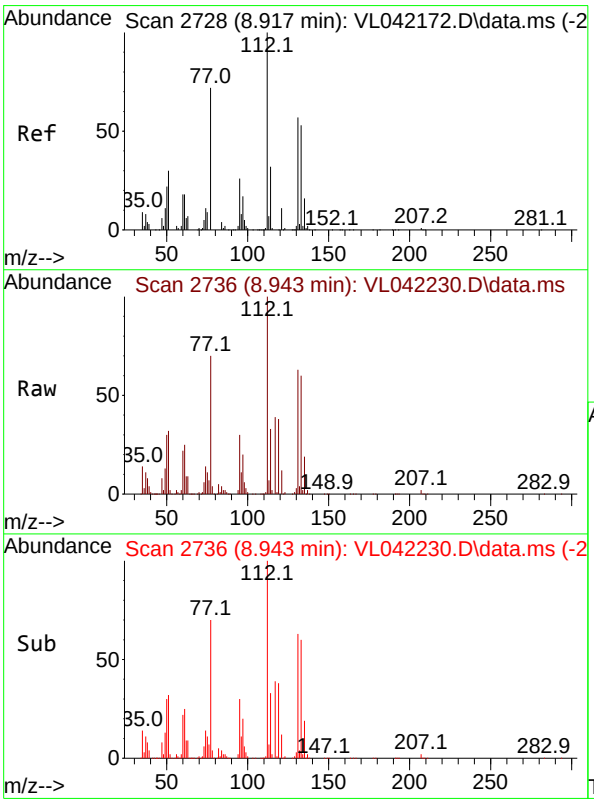
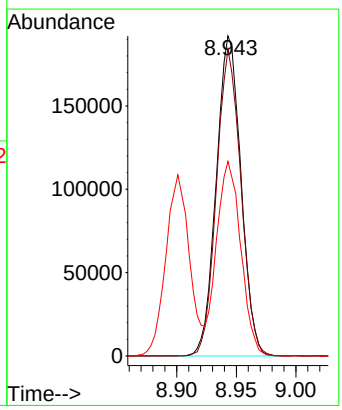


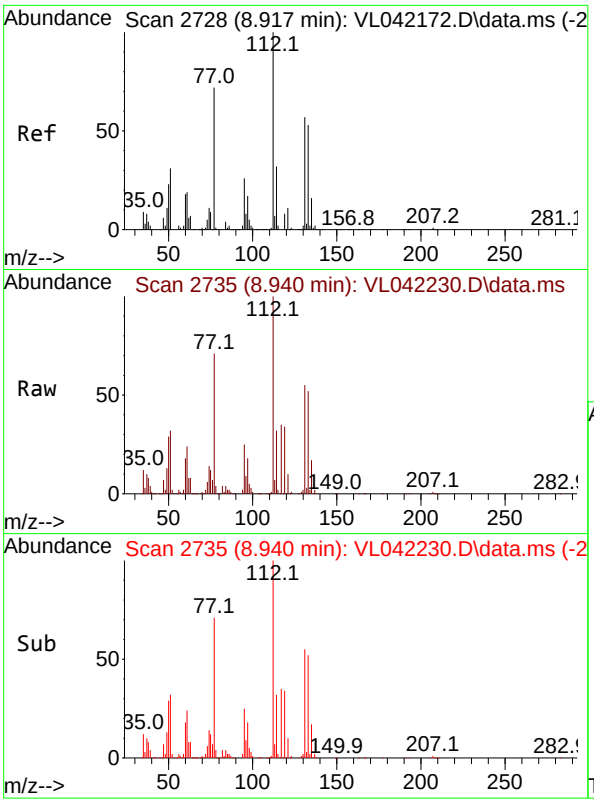


#56
1,1,1,2-Tetrachloroethane
Concen: 10.608 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:131 Resp: 276768

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.6	114.8
119	62.0	49.8	74.6

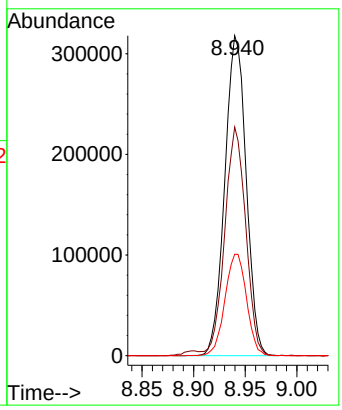




#57
Chlorobenzene
Concen: 10.204 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:112 Resp: 45874

Ion	Ratio	Lower	Upper
112	100		
77	71.4	58.2	87.2
114	31.7	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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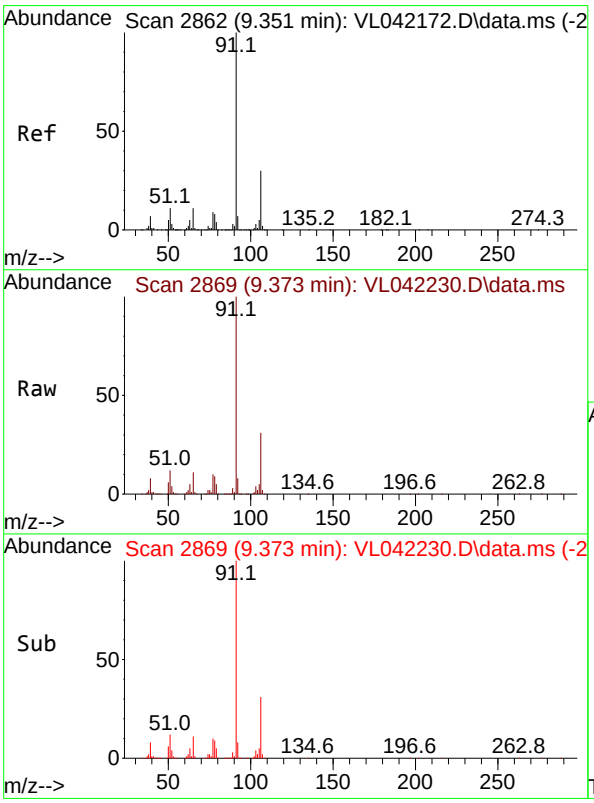
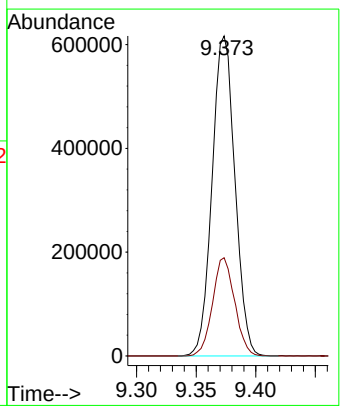
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

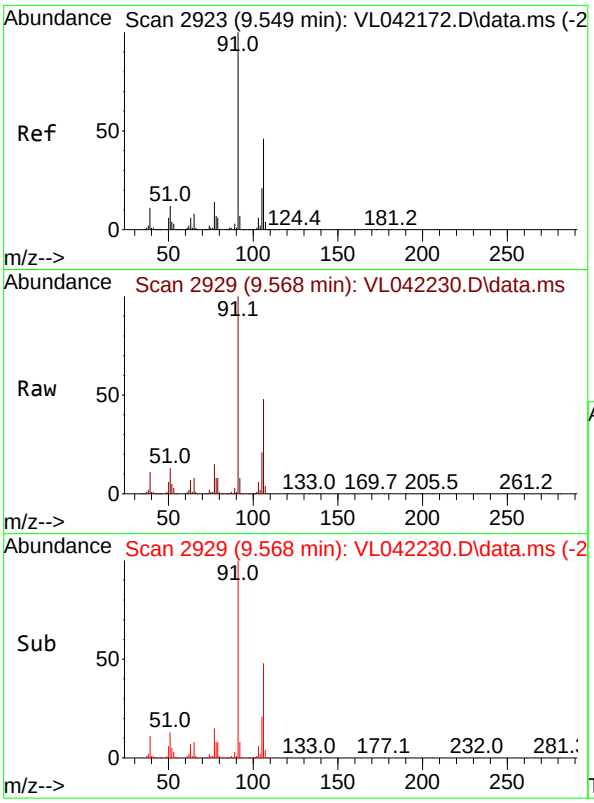


#58
Ethyl Benzene
Concen: 9.754 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 821248

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.2

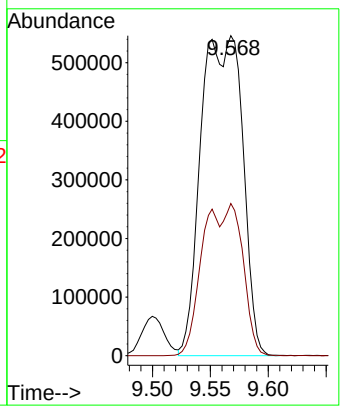




#59
m/p-Xylene
Concen: 20.379 ppbv m
RT: 9.568 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 137003

Ion	Ratio	Lower	Upper
91	100		
106	45.8	36.4	54.6



Instrument :
MSVOA_L
ClientSampleId :
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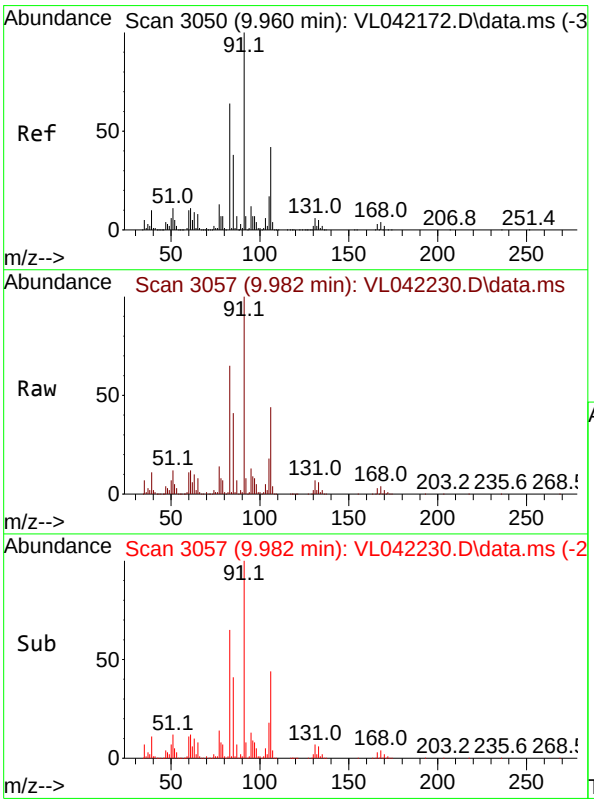
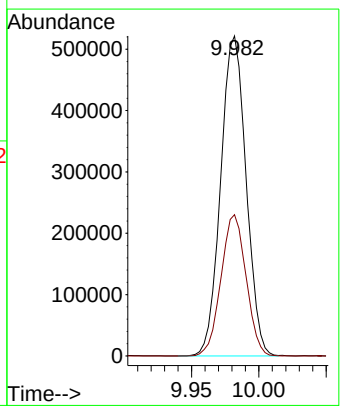
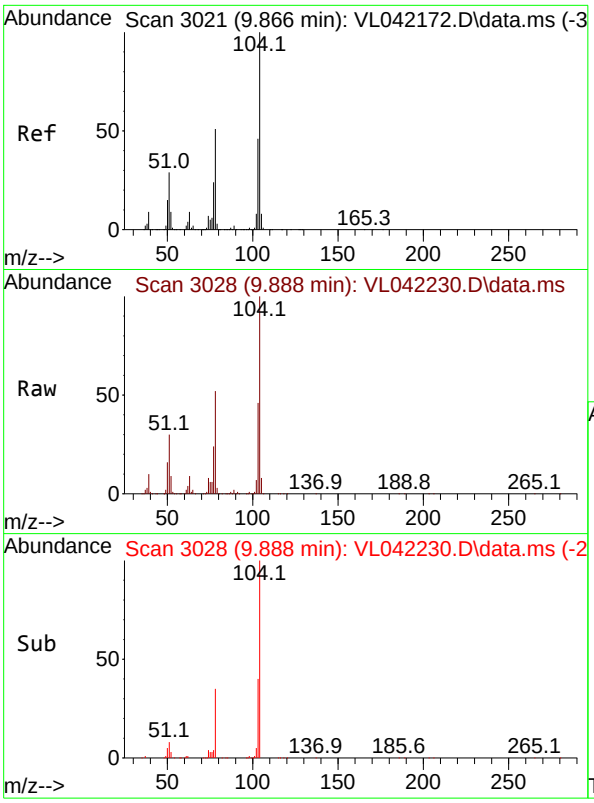


#60
o-Xylene
Concen: 10.160 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 684704

Ion	Ratio	Lower	Upper
91	100		
106	43.6	20.8	62.5

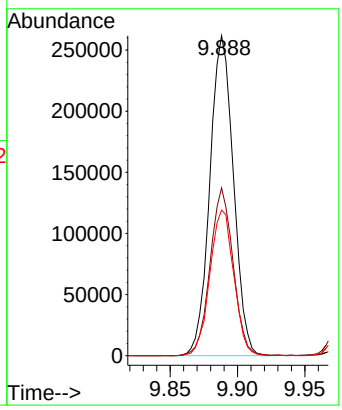




#61
Styrene
Concen: 9.564 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:104 Resp: 31888

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.8	62.6
103	46.2	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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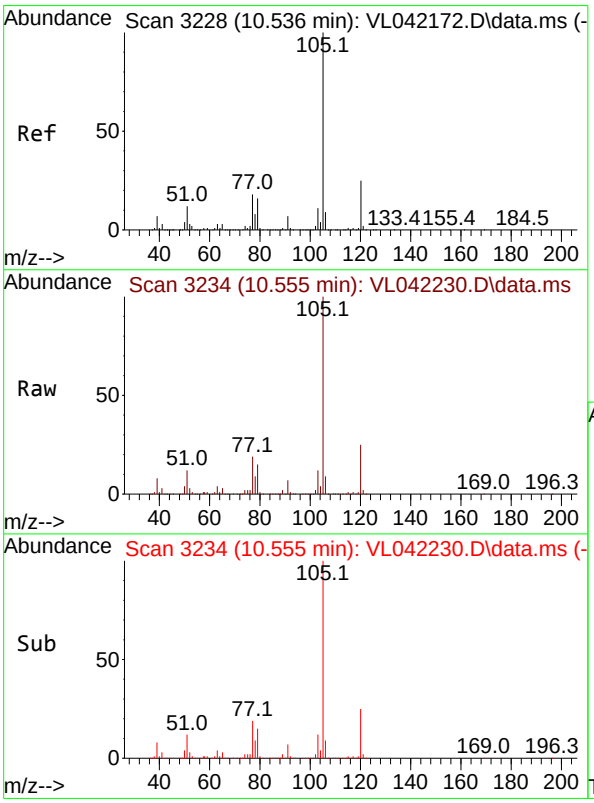
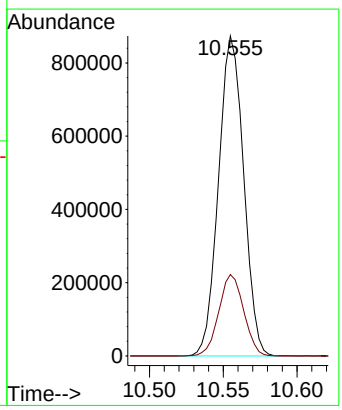
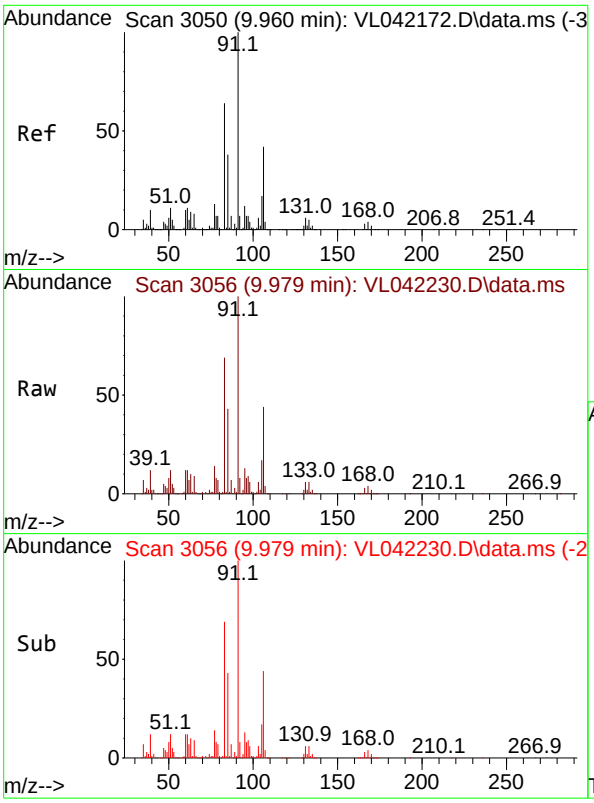


#62
Isopropylbenzene
Concen: 10.274 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 1035385

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 10.816 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 83 Resp: 44287

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	63.6	32.5	97.5

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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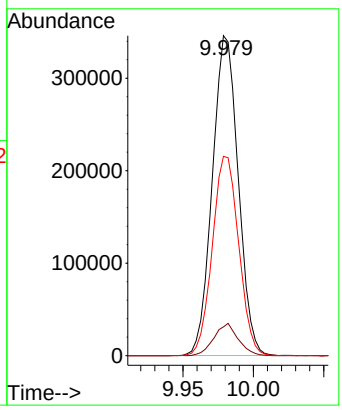
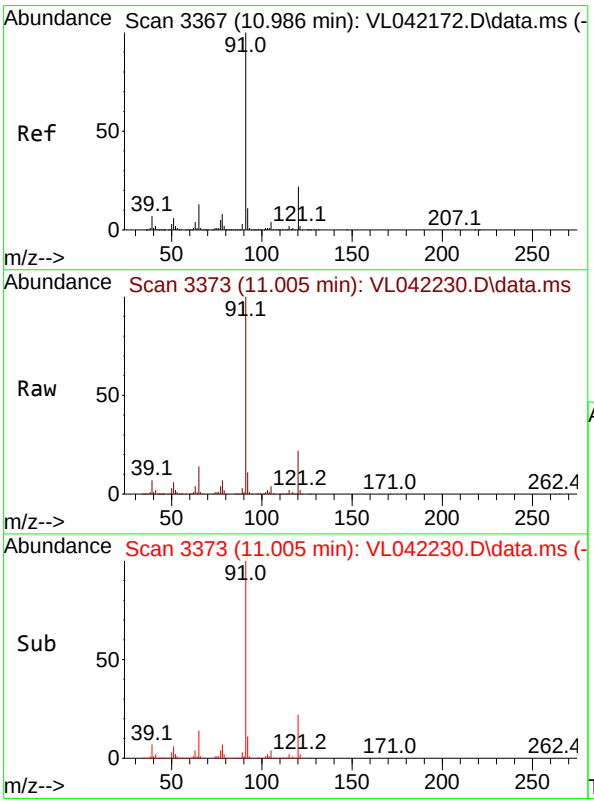
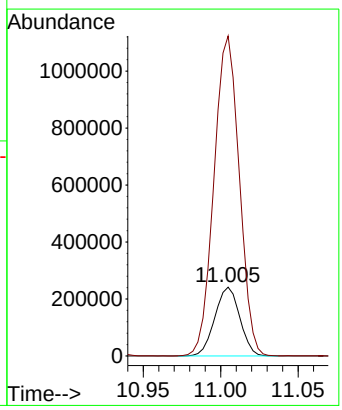


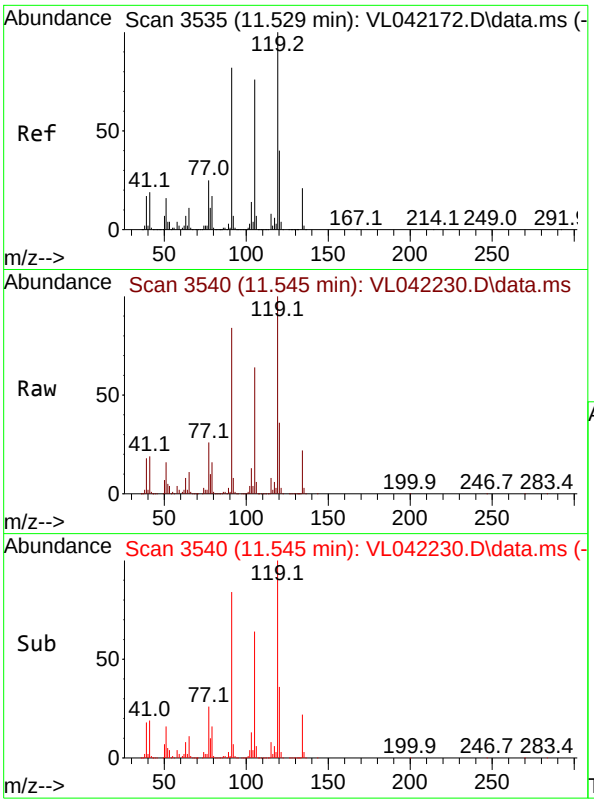


#64
n-propylbenzene
Concen: 10.422 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:120 Resp: 270373

Ion	Ratio	Lower	Upper
120	100		
91	472.5	376.9	565.3

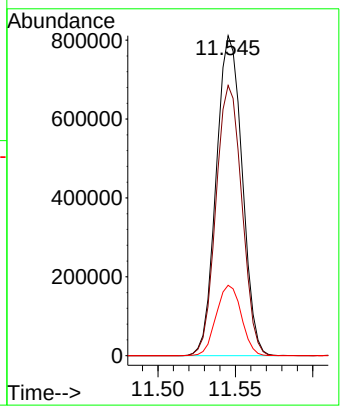




#65
tert-Butylbenzene
Concen: 10.135 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:119 Resp: 94463

Ion	Ratio	Lower	Upper
119	100		
91	84.4	66.0	99.0
134	21.3	16.7	25.1



Instrument :
MSVOA_L
ClientSampleId :
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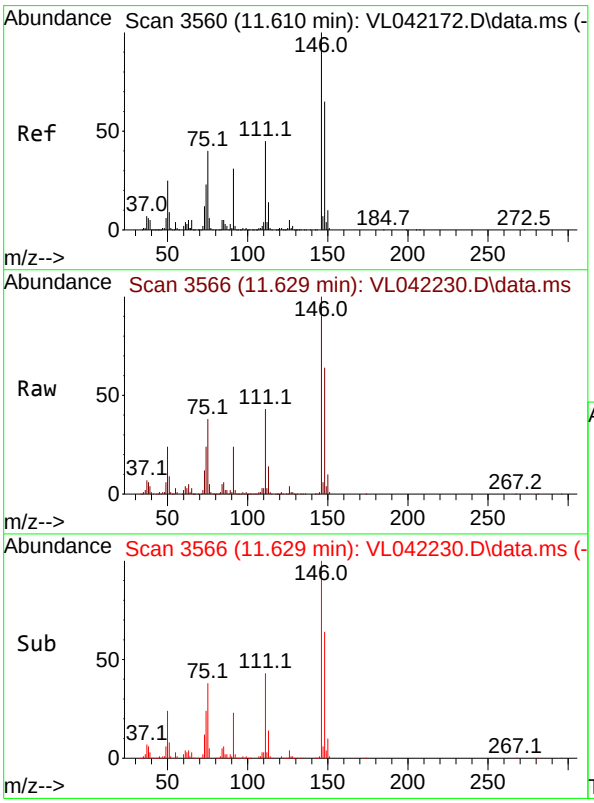
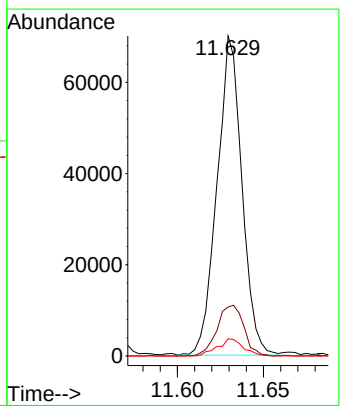
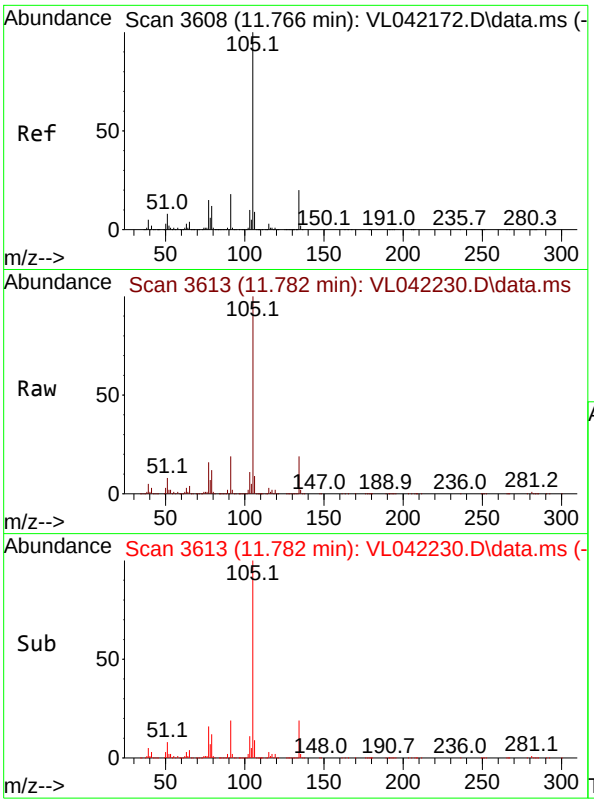


#66
Benzyl Chloride
Concen: 7.123 ppbv
RT: 11.629 min Scan# 3566
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 70444

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.6
128	5.5	4.5	6.7





#67
sec-Butylbenzene
Concen: 10.395 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 134668

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Manual Integrations
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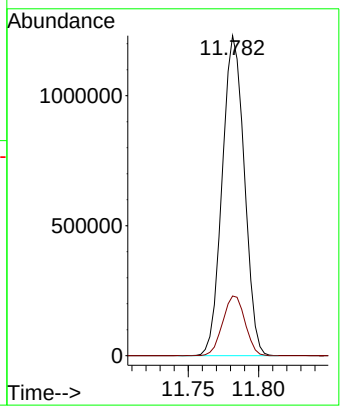
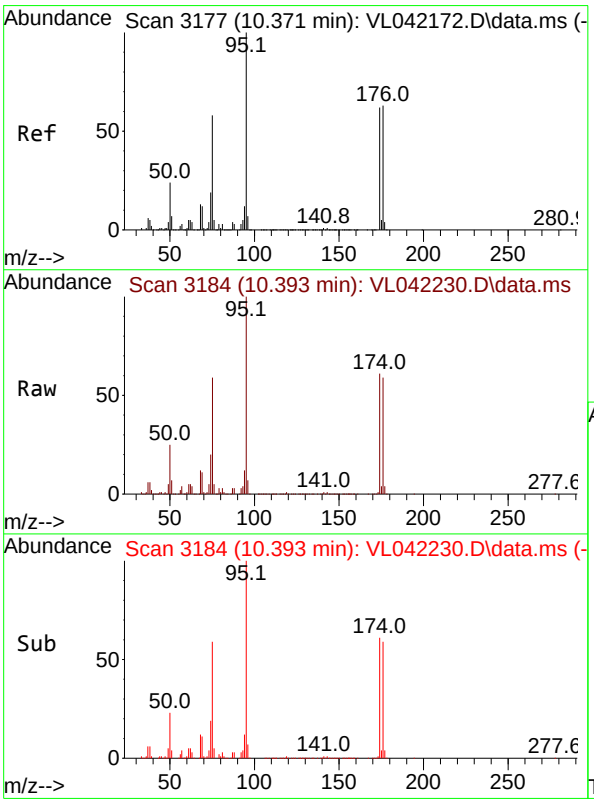
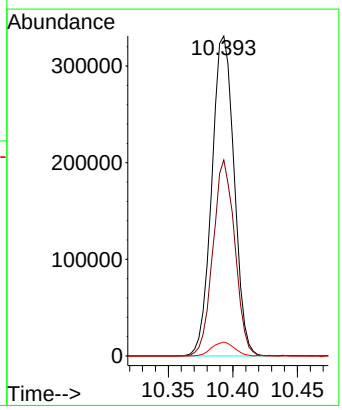


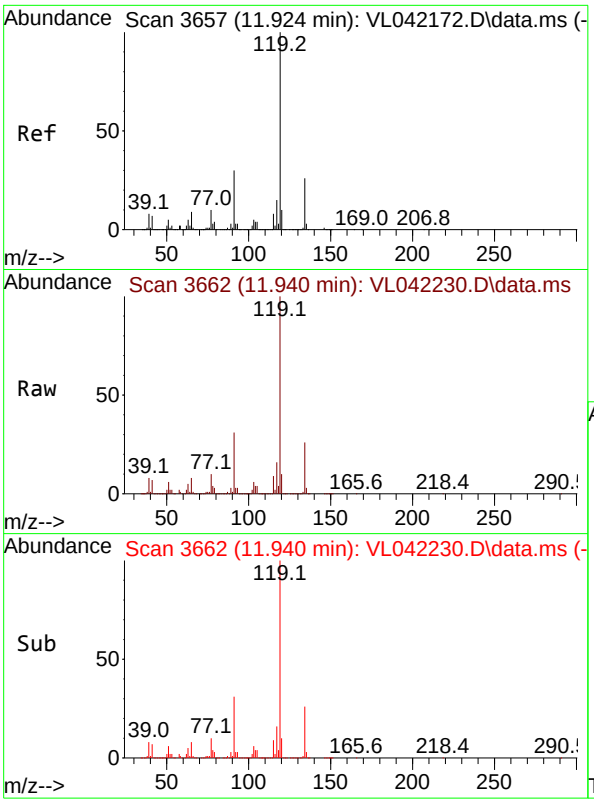


#68
1-Bromo-4-Fluorobenzene
Concen: 10.233 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 95 Resp: 398322

Ion	Ratio	Lower	Upper
95	100		
174	60.0	50.6	76.0
175	4.4	3.8	5.6





#69
p-Isopropyltoluene
Concen: 10.321 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:119 Resp: 115139

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	30.3	23.7	35.5

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

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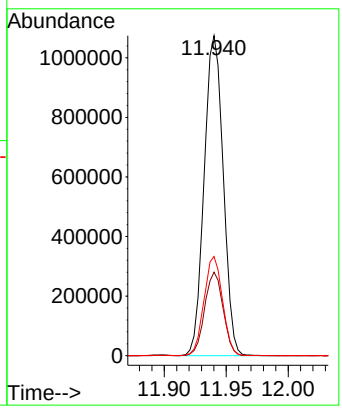
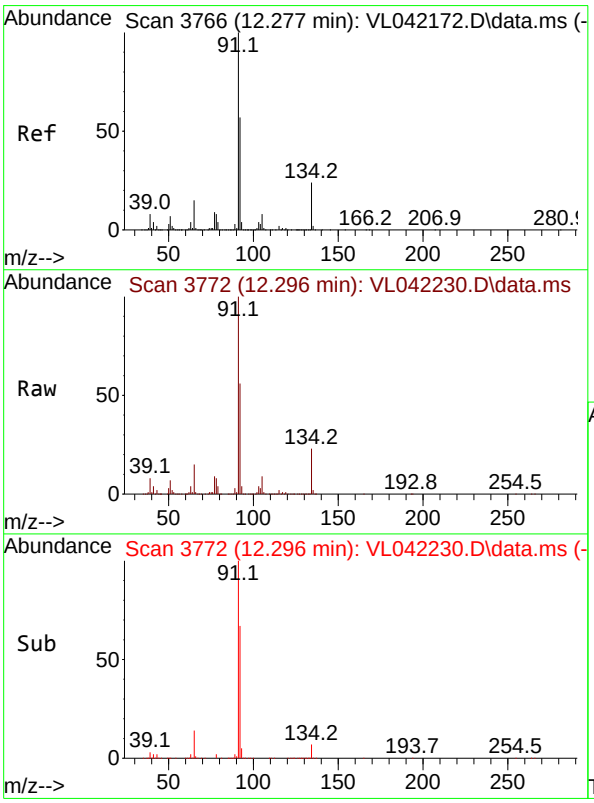
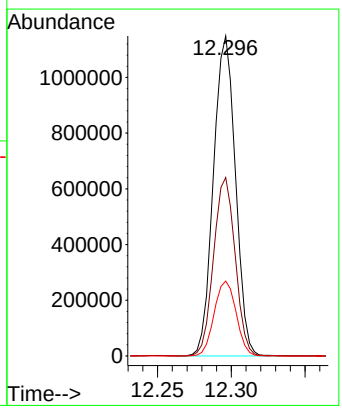


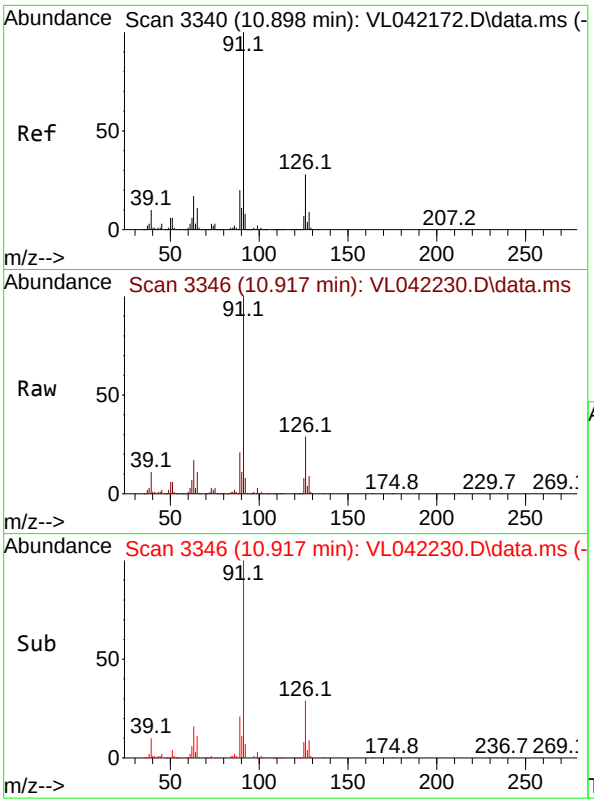


#70
n-Butylbenzene
Concen: 10.437 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 1190709

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.9	67.3
134	23.4	19.2	28.8

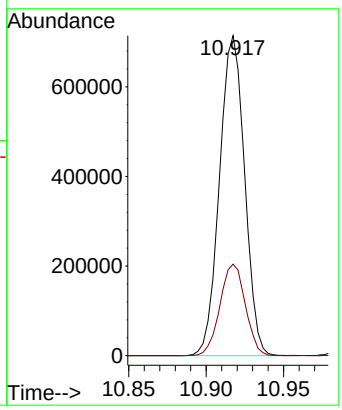




#71
2-Chlorotoluene
Concen: 10.276 ppbv
RT: 10.917 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 80376

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
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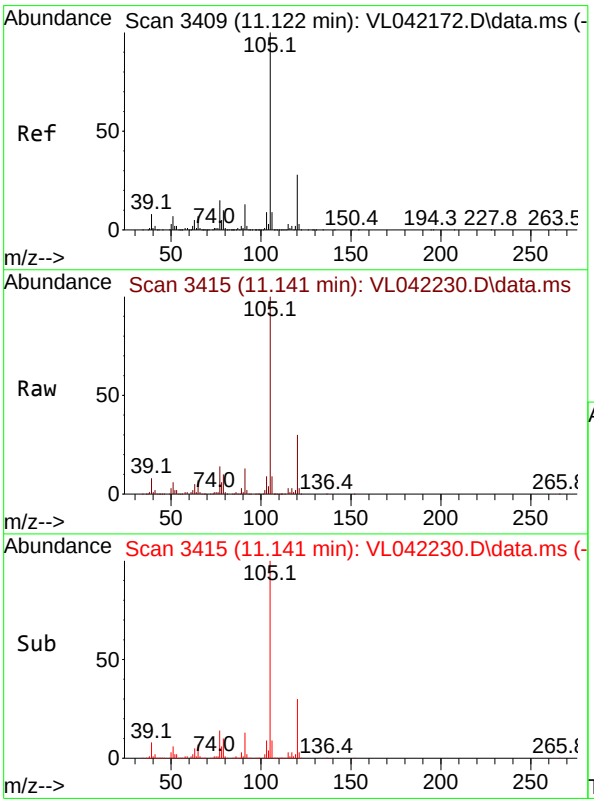
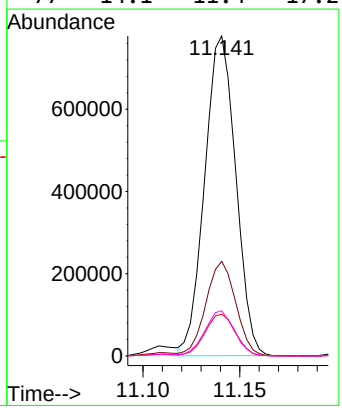
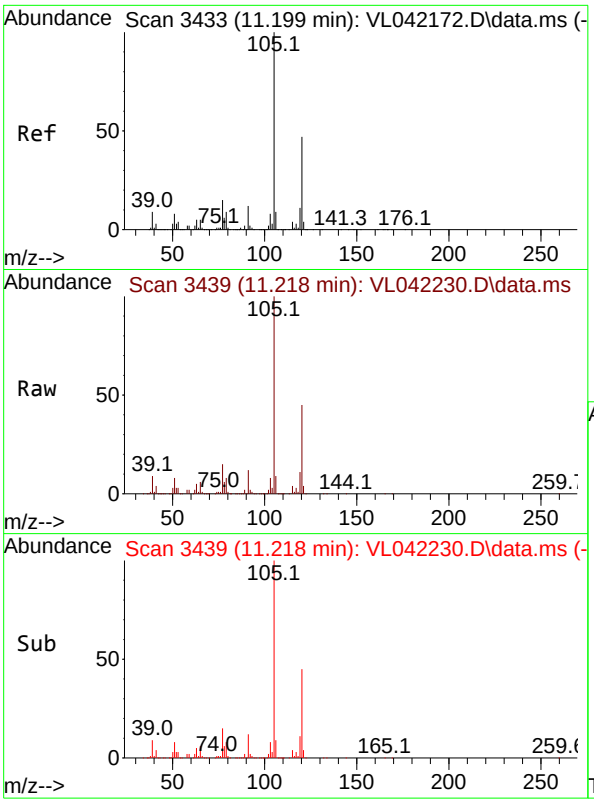


#72
4-Ethyltoluene
Concen: 10.341 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 867726

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.4	35.0
91	13.5	10.3	15.5
77	14.1	11.4	17.2

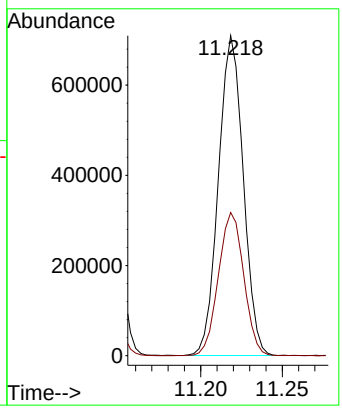




#73
1,3,5-Trimethylbenzene
Concen: 10.246 ppbv
RT: 11.218 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 75086

Ion	Ratio	Lower	Upper
105	100		
120	44.7	37.4	56.0



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Manual Integrations
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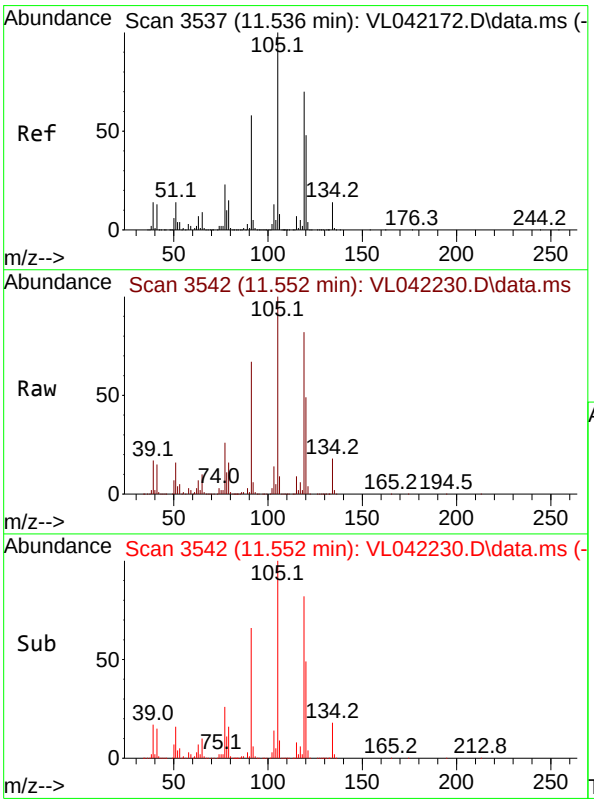
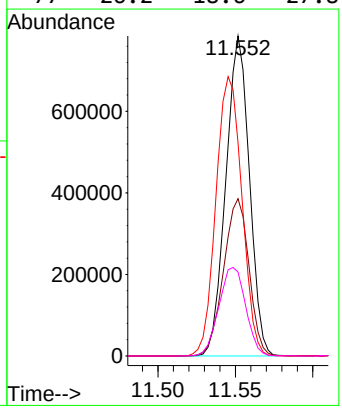
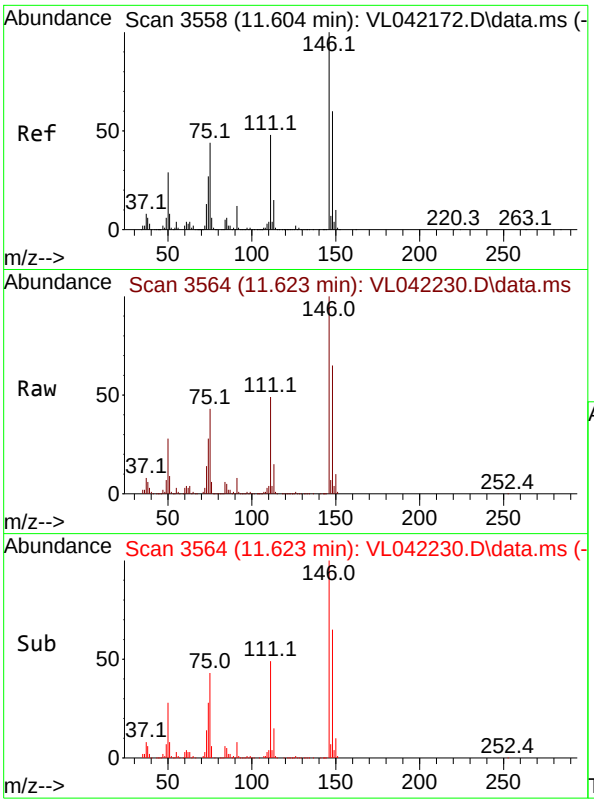


#74
1,2,4-Trimethylbenzene
Concen: 9.856 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 832142

Ion	Ratio	Lower	Upper
105	100		
120	49.2	38.6	58.0
91	66.6	46.2	69.2
77	26.2	18.6	27.8

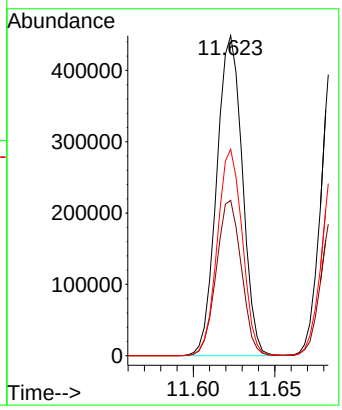




#75
1,3-Dichlorobenzene
Concen: 10.618 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:146 Resp: 49166

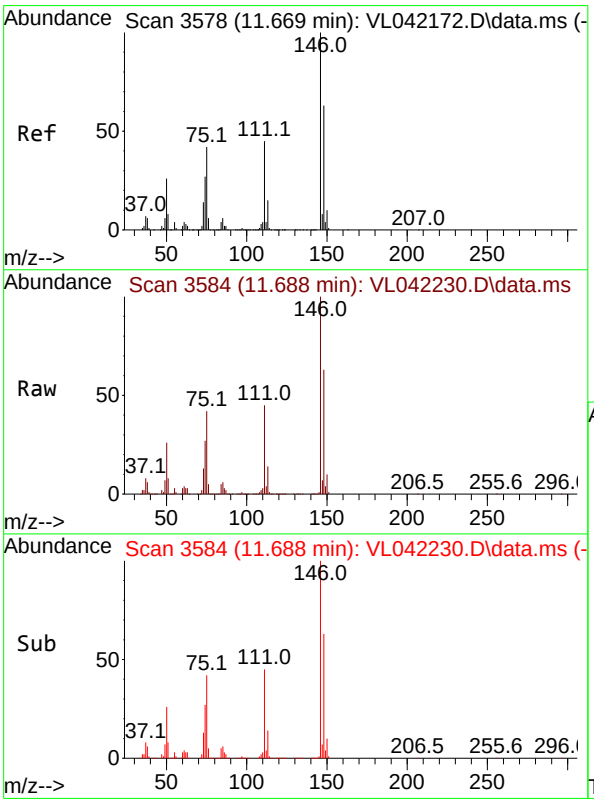
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	62.7	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Manual Integrations
APPROVED

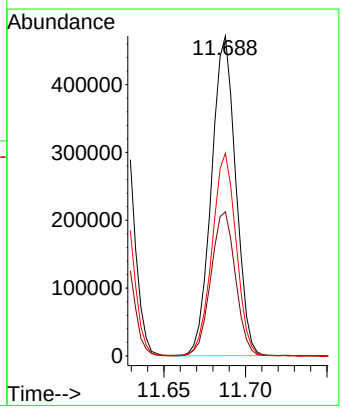
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

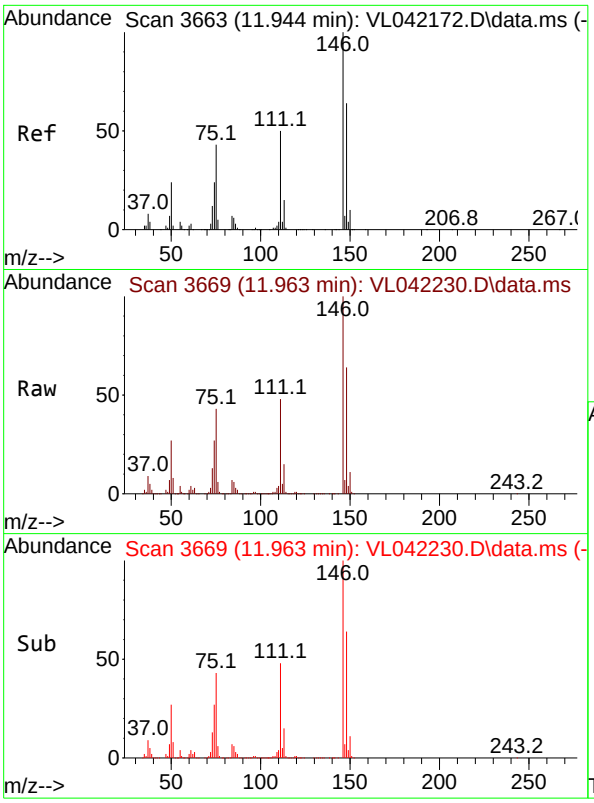


#76
1,4-Dichlorobenzene
Concen: 10.563 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:146 Resp: 486784

Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.0	69.0
148	63.1	31.9	95.7

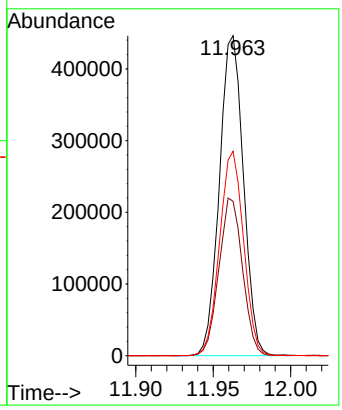




#77
1,2-Dichlorobenzene
Concen: 10.656 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:146 Resp: 48045

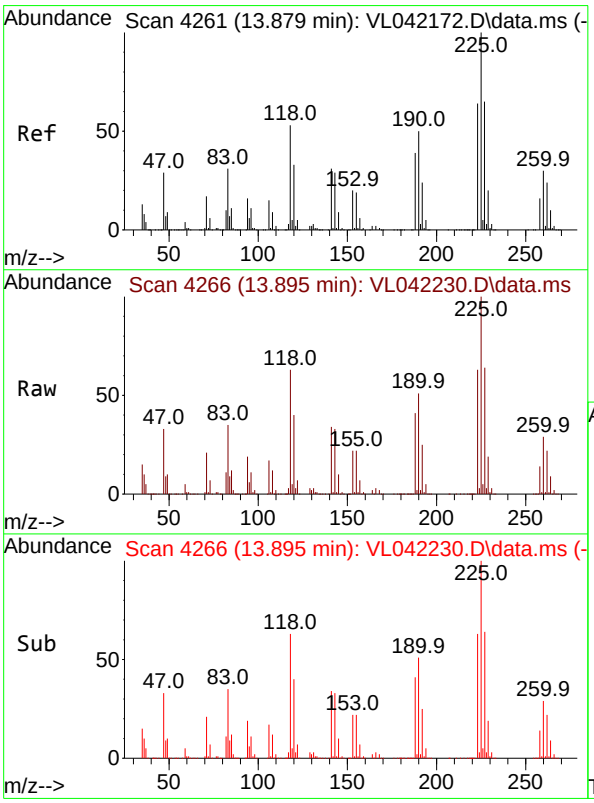
Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.8	74.3
148	63.9	31.6	94.8



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Manual Integrations
APPROVED

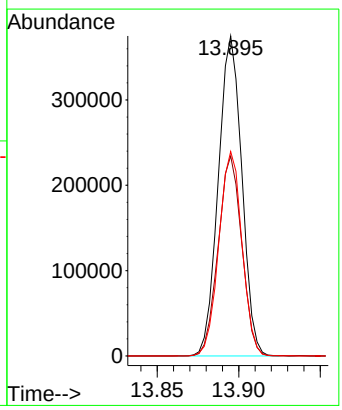
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

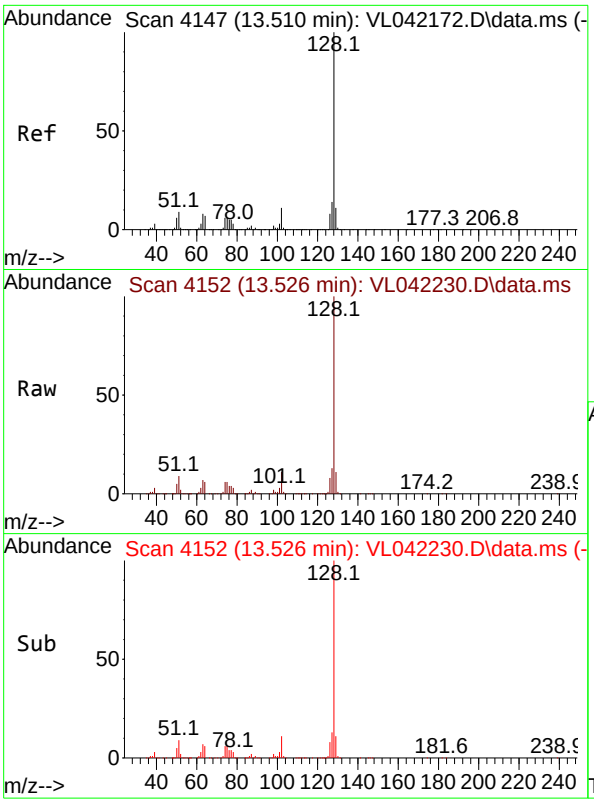


#78
Hexachloro-1,3-Butadiene
Concen: 8.189 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:225 Resp: 375805

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	76.0
227	62.8	51.2	76.8





#79
Naphthalene
Concen: 9.262 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

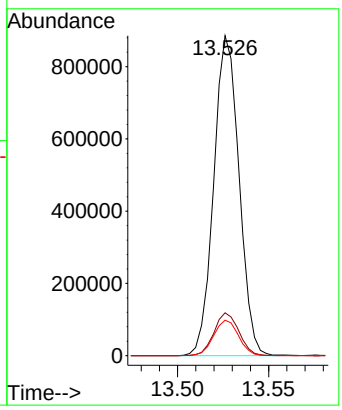
Tgt Ion:128 Resp: 85535

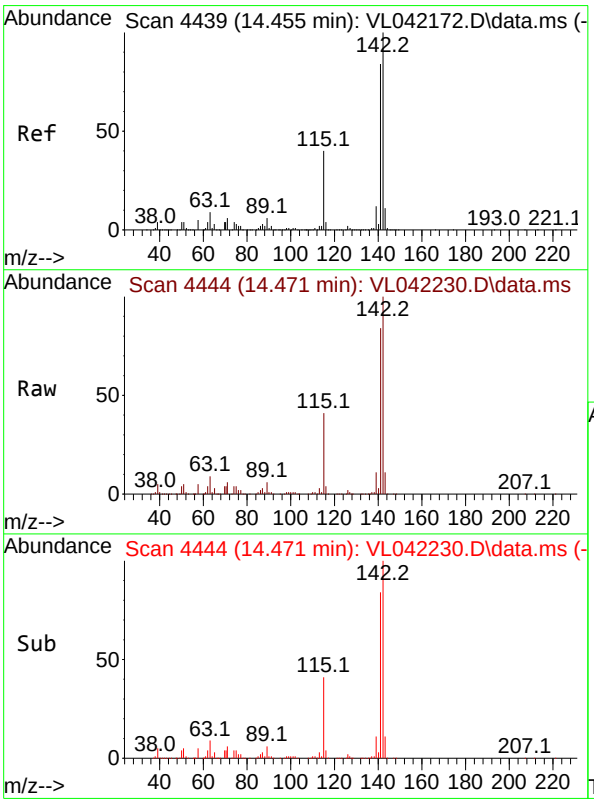
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.1	9.0	13.4

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

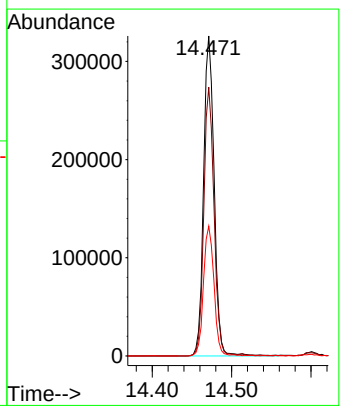


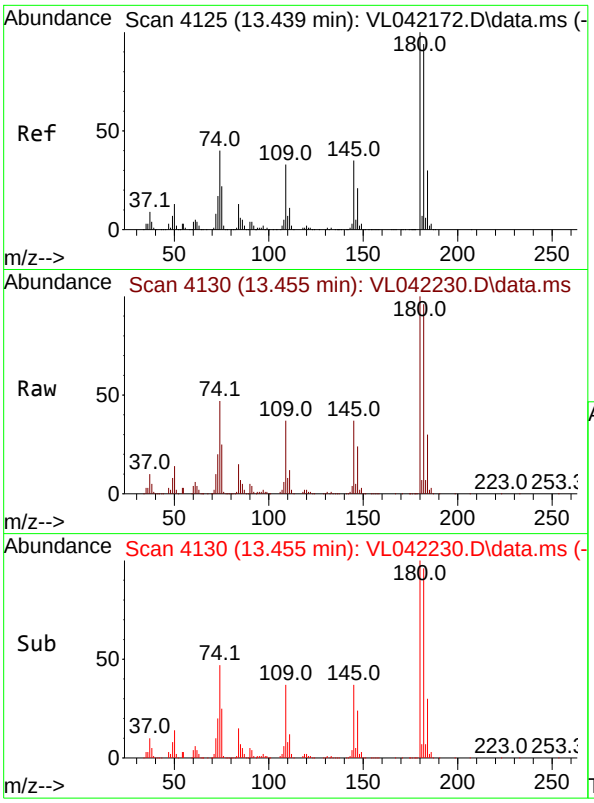


#80
Naphthalene,2-methyl-
Concen: 6.665 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:142 Resp: 301864

Ion	Ratio	Lower	Upper
142	100		
141	82.3	66.3	99.5
115	40.8	31.6	47.4

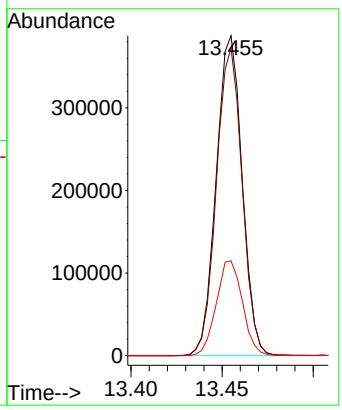




#81
1,2,4-Trichlorobenzene
Concen: 8.994 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:180 Resp: 38309

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.1	112.7
184	30.0	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0408ABS01	SDG No.:	Q1725
Lab Sample ID:	VL0408ABS01	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
VL042255.D	1		04/08/25 10:05	VL040825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	9.70	48.0		1.04	2.47	ug/m3
74-87-3	Chloromethane	9.80	20.2		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	8.50	21.7		0.030	0.080	ug/m3
74-83-9	Bromomethane	8.70	33.8		0.54	1.94	ug/m3
75-00-3	Chloroethane	9.20	24.3		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	10.2	30.1		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	9.60	54.0		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	9.40	72.0		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	9.70	67.8		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	8.40	25.5		0.58	1.52	ug/m3
142-82-5	Heptane	9.50	38.9		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	8.90	35.3		0.56	1.98	ug/m3
67-64-1	Acetone	8.90	21.1		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	9.00	28.0		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.50	30.6		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	8.40	29.2		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	8.80	34.9		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	9.80	39.7		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.10	31.3		0.76	1.72	ug/m3
78-93-3	2-Butanone	10.6	31.3		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.8	67.9		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.30	36.9		0.36	1.98	ug/m3
67-66-3	Chloroform	10.5	51.3		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	9.00	49.1		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	10.7	50.0		0.47	2.34	ug/m3
71-43-2	Benzene	10.6	33.9		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	11.2	45.3		0.36	2.02	ug/m3
79-01-6	Trichloroethene	10.1	54.3		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	10.4	48.1		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	11.2	75.0		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	9.60	39.3		0.37	2.05	ug/m3
108-88-3	Toluene	9.90	37.3		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	8.30	37.7		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	11.2	61.1		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:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0408ABS01	SDG No.:	Q1725
Lab Sample ID:	VL0408ABS01	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
VL042255.D	1		04/08/25 10:05	VL040825

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.9	92.9		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	10.7	82.2		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	9.00	61.0		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	11.4	52.5		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	10.6	46.0		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	22.5	97.7		0.91	4.34	ug/m3
95-47-6	o-Xylene	11.2	48.6		0.52	2.17	ug/m3
100-42-5	Styrene	10.1	43.0		0.47	2.13	ug/m3
75-25-2	Bromoform	10.7	111		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	12.1	83.1		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	11.1	57.5		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	11.2	55.1		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	10.8	53.1		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	11.7	70.3		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	11.6	69.7		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	11.9	71.5		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	9.70	72.0		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	8.90	19.7		0.29	1.11	ug/m3
91-20-3	Naphthalene	10.1	53.0		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	11.5	56.5		0.59	2.46	ug/m3
110-54-3	Hexane	9.50	33.5		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	9.10	28.5		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	9.60	34.6		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	9.30	38.1		0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			70 (65) - 130 (135)	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	190000		2.803			
540-36-3	1,4-Difluorobenzene	495000		3.981			
3114-55-4	Chlorobenzene-d5	447000		8.904			

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

Report of Analysis

Client:	Woodard & Curran	Date Collected:	
Project:	US EPA Riverside Industrial Park Superfund Site	Date Received:	
Client Sample ID:	VL0408ABS01	SDG No.:	Q1725
Lab Sample ID:	VL0408ABS01	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
VL042255.D	1		04/08/25 10:05	VL040825

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\VL040825\
Data File : VL042255.D
Acq On : 08 Apr 2025 10:05
Operator : SY/MD
Sample : VL0408ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 09 01:51:57 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 :
VL0408ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	190420	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	494678	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	447066	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	367418	10.008	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	273062	9.712	ppbv	99
3) Chlorodifluoromethane	1.483	51	292844	10.196	ppbv	100
4) Chloromethane	1.538	50	112659	9.805	ppbv	100
5) Vinyl Chloride	1.586	62	103863	8.530	ppbv	96
6) Bromomethane	1.674	94	45172	8.675	ppbv	97
7) Chloroethane	1.713	64	42251	9.161	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	232959	9.730	ppbv	93
9) Propene	1.489	41	111408	8.462	ppbv	99
10) Heptane	5.011	43	333061	9.511	ppbv	99
11) Trichlorofluoromethane	1.887	101	263188	9.620	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.150	101	211536	9.407	ppbv	98
13) Ethanol	1.729	45	6066	4.874	ppbv	82
14) Bromoethene	1.790	108	74695	8.671	ppbv	98
15) Acetone	1.842	43	235954	8.860	ppbv	95
16) 1,3-Butadiene	1.615	39	115796	8.904	ppbv	95
17) tert-Butyl alcohol	2.049	59	277654	8.371	ppbv	98
18) 1,1-Dichloroethene	2.043	96	93164	8.862	ppbv	97
19) Isopropyl Alcohol	1.894	45	129418	8.613	ppbv #	34
20) Methylene Chloride	2.072	84	83277	8.396	ppbv	95
21) Allyl Chloride	2.107	41	171013	9.105	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	106692	8.782	ppbv	93
23) Vinyl Acetate	2.476	43	98533	8.549	ppbv	97
24) 1,1-Dichloroethane	2.421	63	221032	9.814	ppbv	99
25) Ethyl Acetate	2.852	43	681132	9.854	ppbv	99
26) Hexane	2.842	57	254141	9.519	ppbv	95
27) Carbon Disulfide	2.159	76	258972	9.046	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	141395	8.506	ppbv	96
29) Chloroform	2.865	83	410522	10.507	ppbv	98
30) Cyclohexane	3.878	84	211231	9.112	ppbv	97
31) cis-1,2-Dichloroethene	2.735	61	251202	9.268	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	402513	8.998	ppbv	98
34) 2-Butanone	2.570	43	379327	10.575	ppbv	98
35) Carbon Tetrachloride	3.787	117	418420	10.828	ppbv	99
36) Benzene	3.677	78	518095	10.564	ppbv	98
37) 1,2-Dichloroethane	3.237	62	315190	11.226	ppbv	99
38) Trichloroethene	4.577	130	205867	10.061	ppbv	96
39) 1,2-Dichloropropane	4.341	63	185795	10.403	ppbv	94
40) 1,4-Dioxane	4.613	88	91079	9.608	ppbv #	92
41) Tetrahydrofuran	3.072	42	210024	10.168	ppbv	97
42) Bromodichloromethane	4.519	83	434165	11.217	ppbv	99
43) Methyl Methacrylate	4.910	69	192595	9.277	ppbv	98
44) 2,2,4-Trimethylpentane	4.668	57	886873	10.701	ppbv	98
45) t-1,3-Dichloropropene	6.448	75	184852	8.299	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042255.D
Acq On : 08 Apr 2025 10:05
Operator : SY/MD
Sample : VL0408ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 09 01:51:57 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 :
VL0408ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	249791	9.149	ppbv		97
47) 1,1,2-Trichloroethane	6.613	97	210809	11.166	ppbv		98
48) Dibromochloromethane	7.412	129	348149	10.881	ppbv		99
49) Bromoform	9.503	173	307461	10.703	ppbv		99
50) 4-Methyl-2-Pentanone	5.787	43	543140	9.554	ppbv		97
51) 2-Hexanone	7.461	43	441742	9.463	ppbv	#	95
52) Tetrachloroethene	8.251	164	175587	9.028	ppbv		93
53) Toluene	6.962	91	578261	9.947	ppbv		99
54) 1,2-Dibromoethane	7.678	107	282386	10.730	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.946	131	283080	11.503	ppbv		98
57) Chlorobenzene	8.943	112	481713	11.360	ppbv		98
58) Ethyl Benzene	9.377	91	841166	10.593	ppbv		99
59) m/p-Xylene	9.571	91	1425833m	22.486	ppbv		
60) o-Xylene	9.982	91	711568	11.194	ppbv		98
61) Styrene	9.888	104	319155	10.149	ppbv		99
62) Isopropylbenzene	10.558	105	1063992	11.193	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.982	83	468851	12.139	ppbv		99
64) n-propylbenzene	11.005	120	284790	11.638	ppbv		97
65) tert-Butylbenzene	11.549	119	976872	11.112	ppbv		99
66) Benzyl Chloride	11.633	91	63988	6.860	ppbv		99
67) sec-Butylbenzene	11.785	105	1377726	11.275	ppbv		99
69) p-Isopropyltoluene	11.940	119	1168405	11.104	ppbv		99
70) n-Butylbenzene	12.296	91	1217247	11.312	ppbv		99
71) 2-Chlorotoluene	10.918	91	817332	11.078	ppbv		99
72) 4-Ethyltoluene	11.141	105	906994	11.460	ppbv		99
73) 1,3,5-Trimethylbenzene	11.222	105	773328	11.187	ppbv		98
74) 1,2,4-Trimethylbenzene	11.555	105	862179	10.827	ppbv		99
75) 1,3-Dichlorobenzene	11.623	146	512731	11.739	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	505049	11.619	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	505323	11.883	ppbv		99
78) Hexachloro-1,3-Butadiene	13.899	225	382876	8.845	ppbv		100
79) Naphthalene	13.530	128	875824	10.055	ppbv		99
80) Naphthalene,2-methyl-	14.475	142	291105	6.815	ppbv		100
81) 1,2,4-Trichlorobenzene	13.455	180	388605	9.672	ppbv		98

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

Quantitation Report (QT Reviewed)

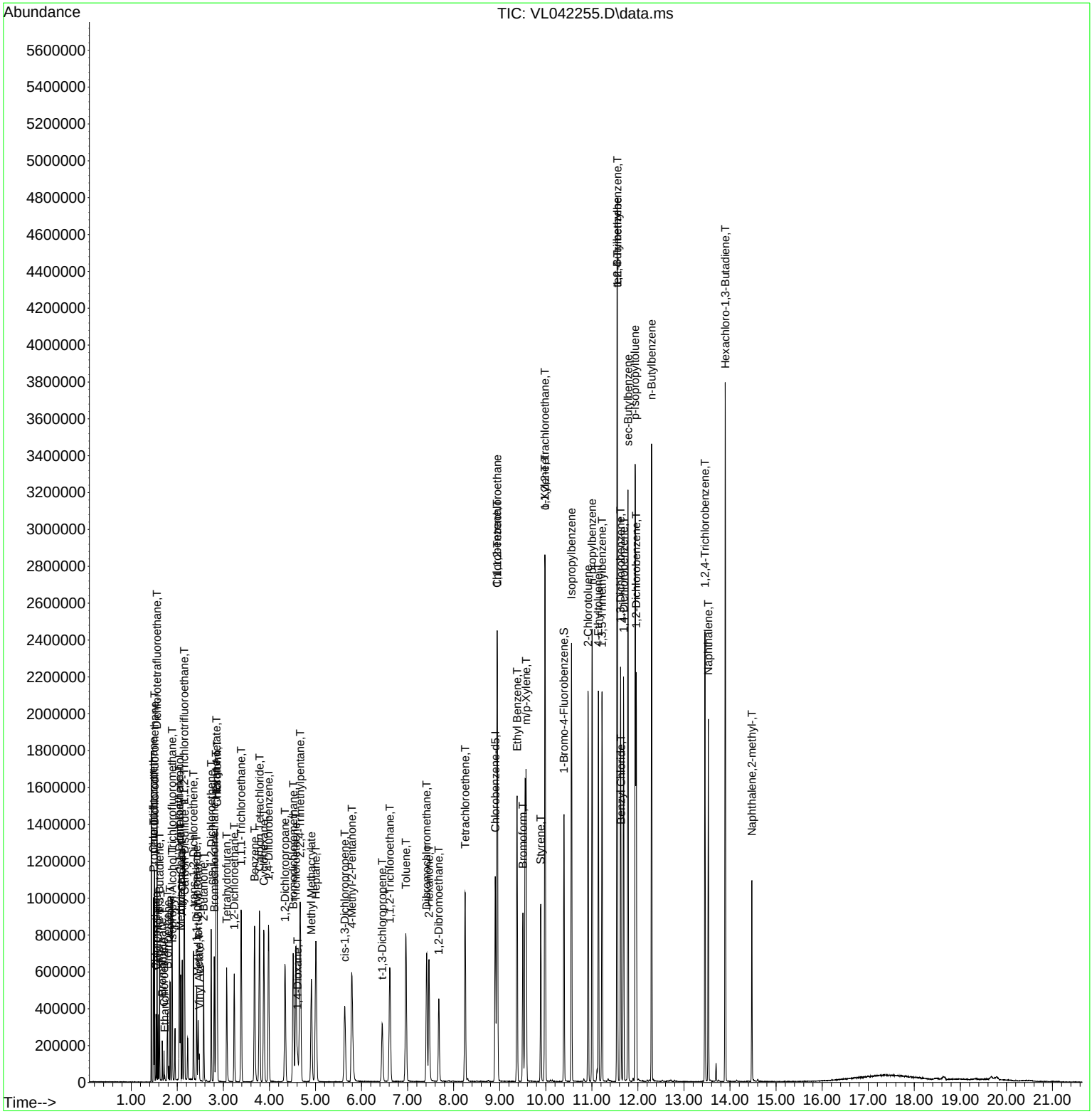
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042255.D
Acq On : 08 Apr 2025 10:05
Operator : SY/MD
Sample : VL0408ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

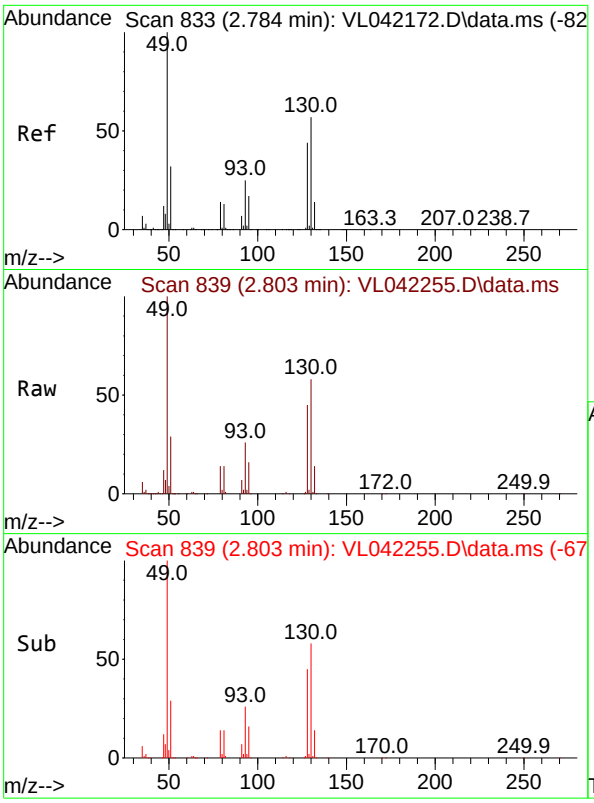
Quant Time: Apr 09 01:51:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

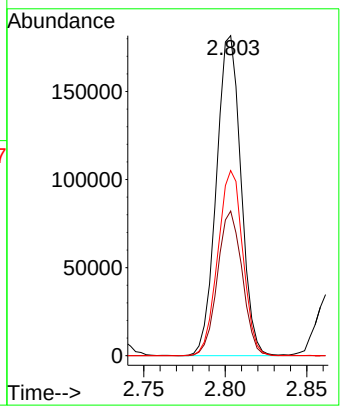




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 49 Resp: 19042

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.9	68.5
130	58.9	28.8	86.4



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/09/2025
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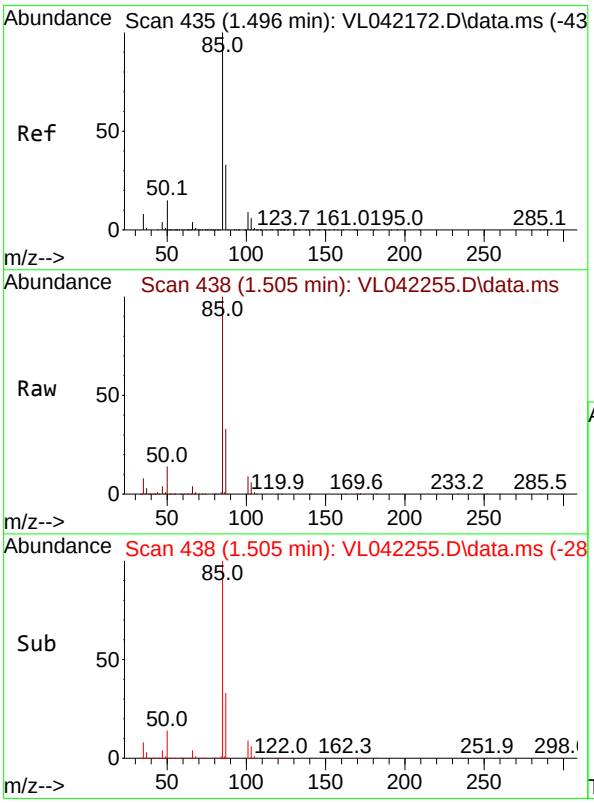
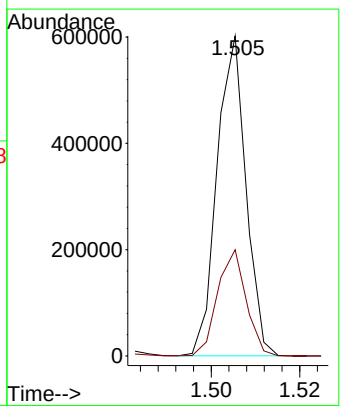
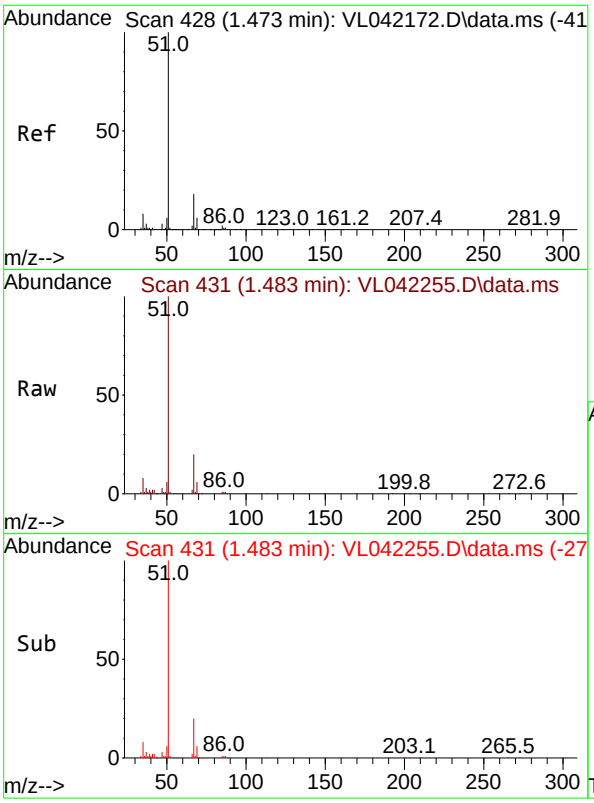


#2
Dichlorodifluoromethane
Concen: 9.712 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 85 Resp: 273062

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.1	39.1

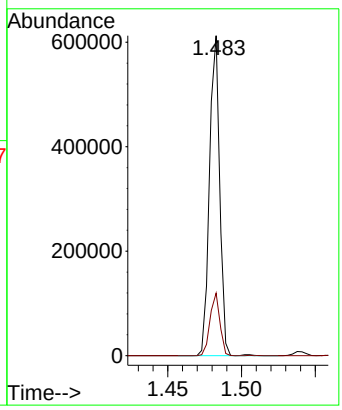




#3
Chlorodifluoromethane
Concen: 10.196 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 51 Resp: 29284

Ion	Ratio	Lower	Upper
51	100		
67	19.0	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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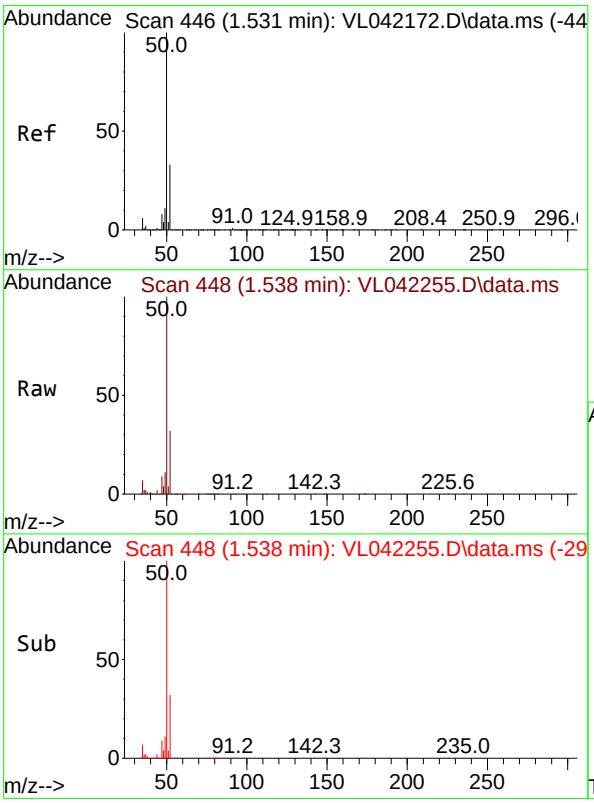
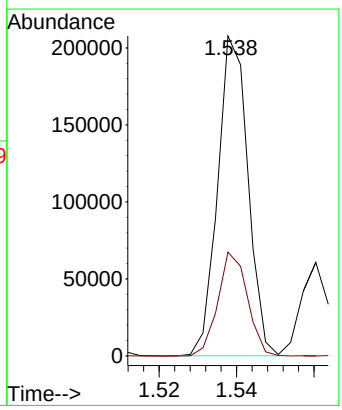
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

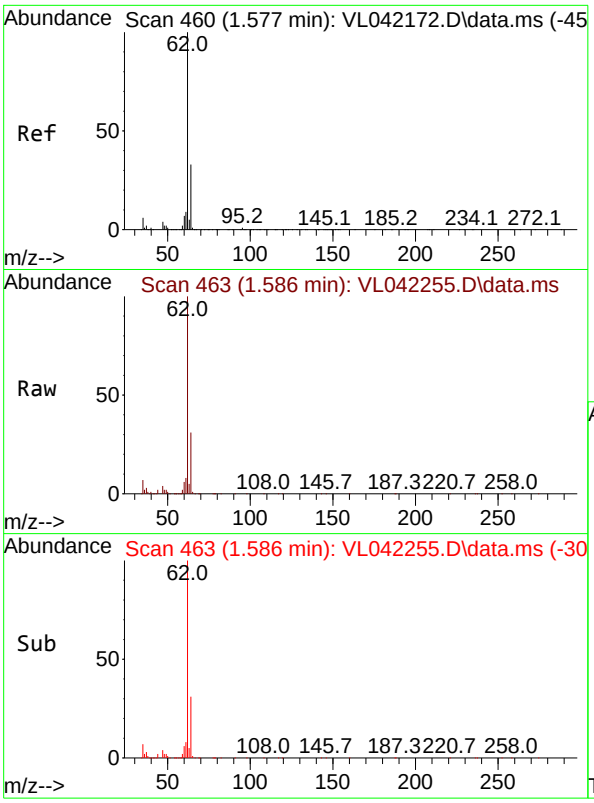


#4
Chloromethane
Concen: 9.805 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 50 Resp: 112659

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1





#5
Vinyl Chloride
Concen: 8.530 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

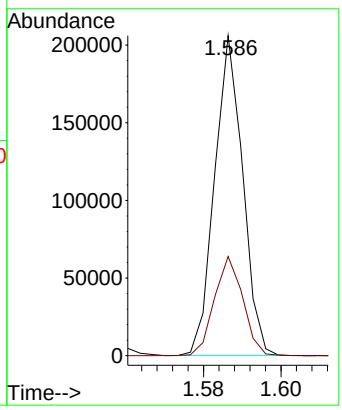
Tgt Ion: 62 Resp: 10386

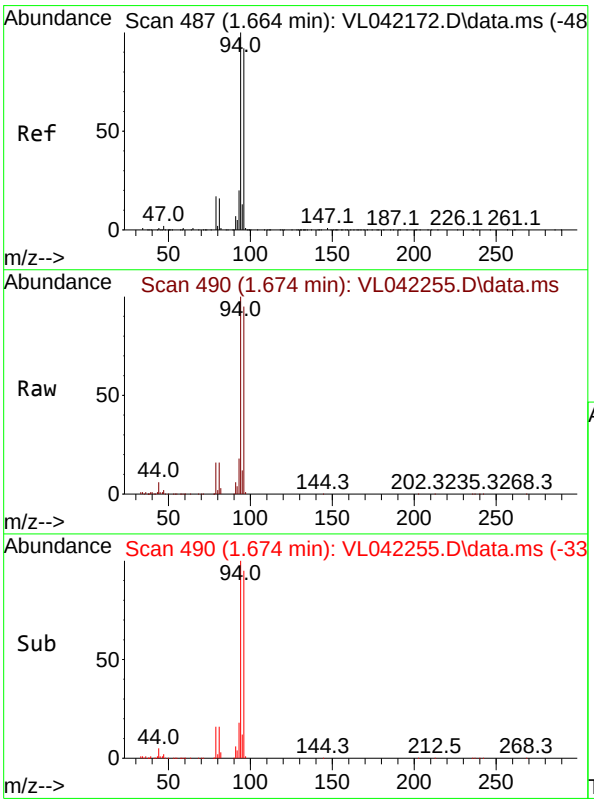
Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.6	40.0

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

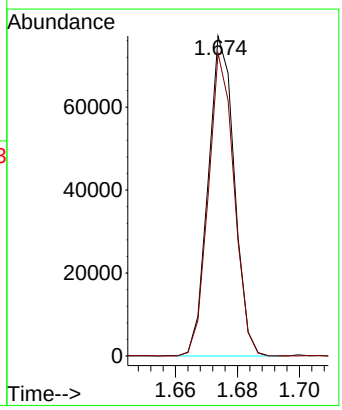


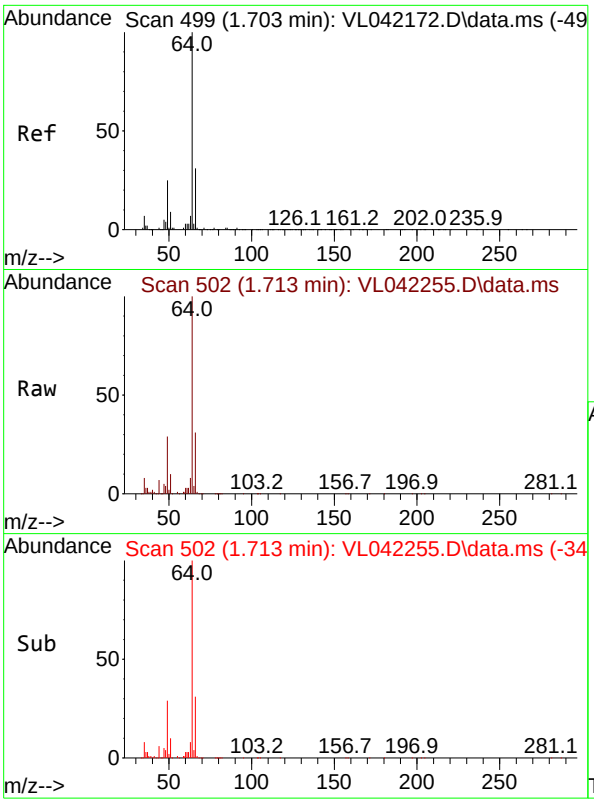


#6
Bromomethane
Concen: 8.675 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 94 Resp: 45172

Ion	Ratio	Lower	Upper
94	100		
96	94.7	73.1	109.7

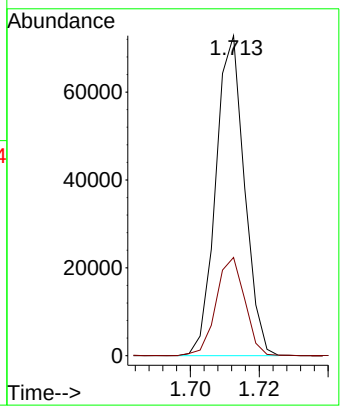




#7
Chloroethane
Concen: 9.161 ppbv
RT: 1.713 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 64 Resp: 4225

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.2	37.8



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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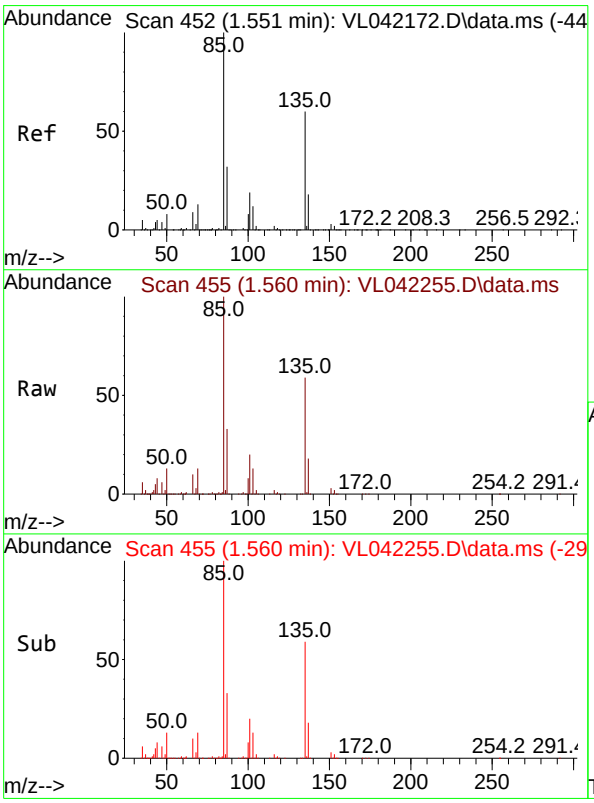
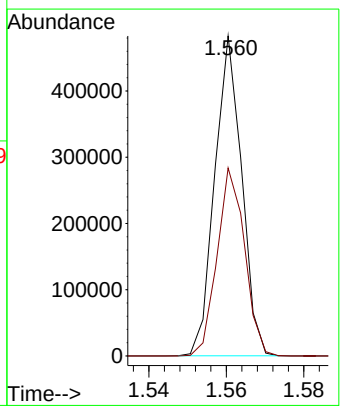
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

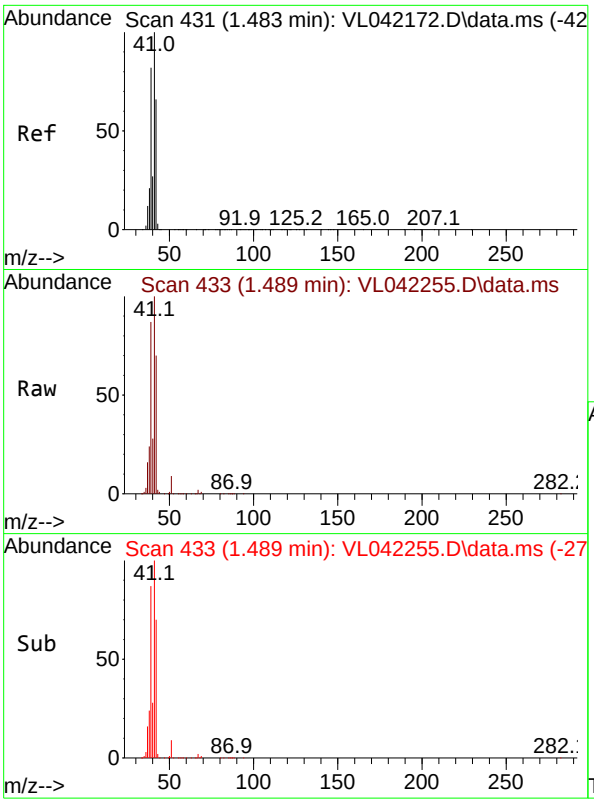


#8
Dichlorotetrafluoroethane
Concen: 9.730 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 85 Resp: 232959

Ion	Ratio	Lower	Upper
85	100		
135	60.1	52.4	78.6

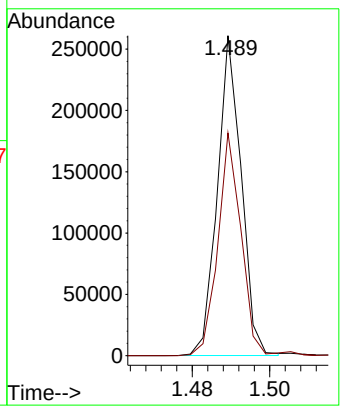




#9
Propene
Concen: 8.462 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 41 Resp: 11140

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.4	83.2



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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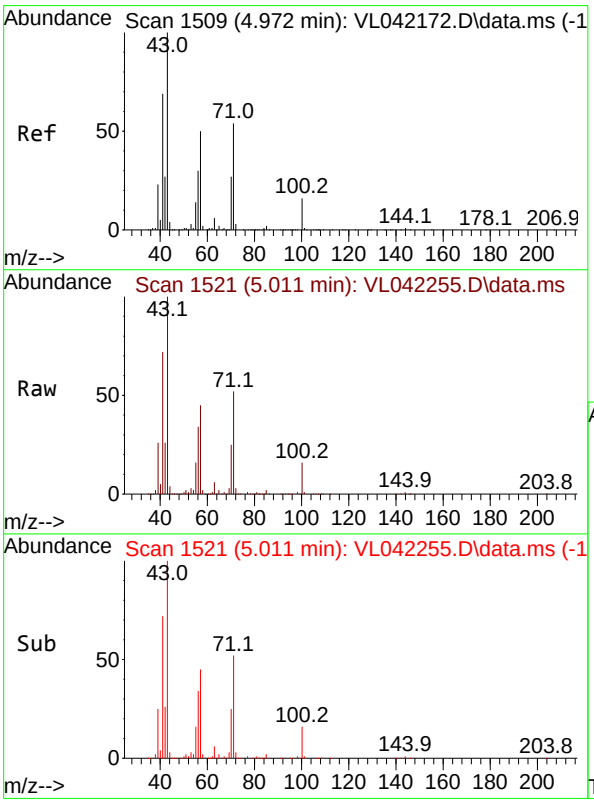
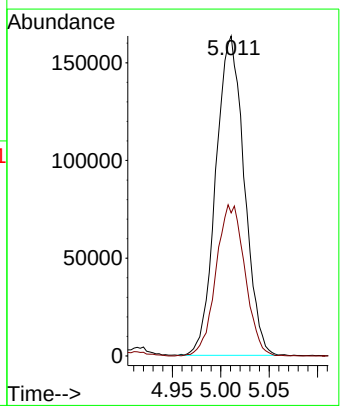
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

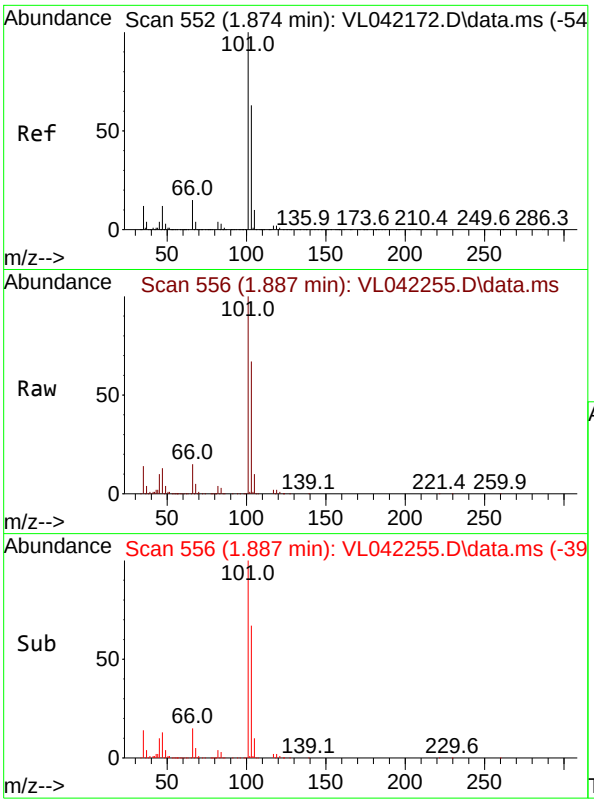


#10
Heptane
Concen: 9.511 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.039 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 333061

Ion	Ratio	Lower	Upper
43	100		
57	48.5	39.4	59.2

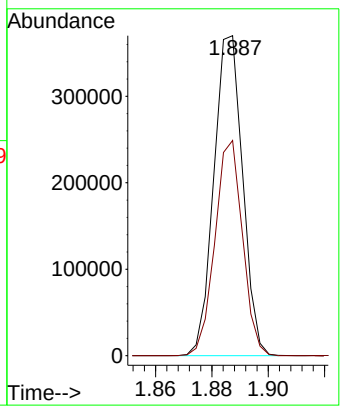




#11
Trichlorofluoromethane
Concen: 9.620 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:101 Resp: 26318

Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.2	75.2



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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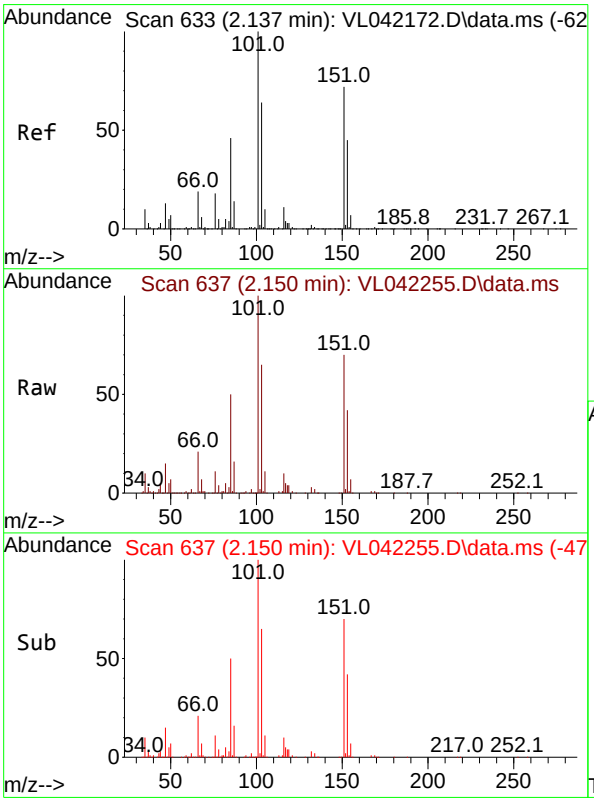
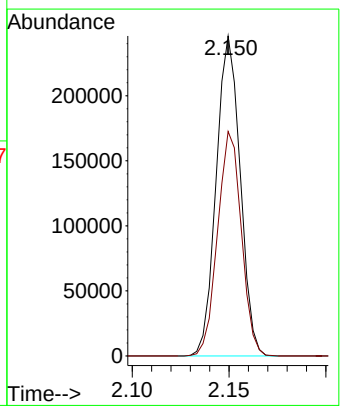
Supervised By :Mahesh Dadoda 04/09/2025

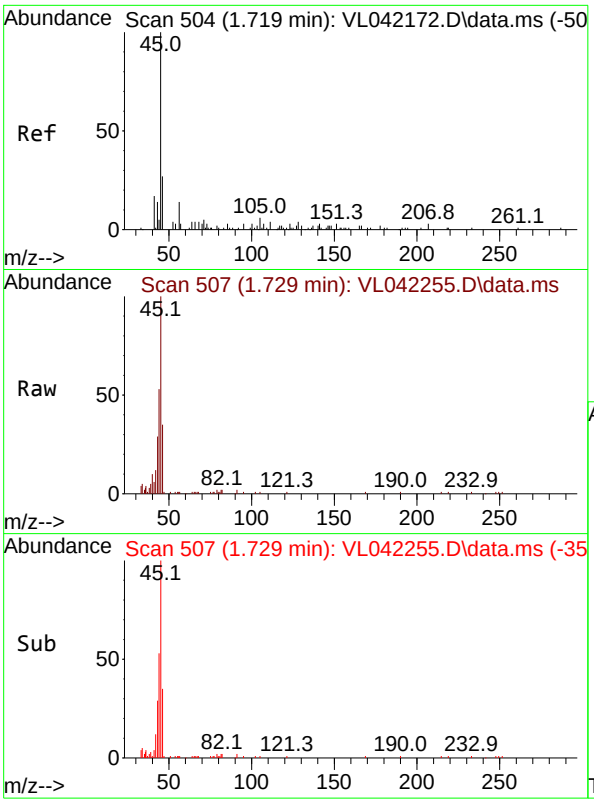


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.407 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:101 Resp: 211536

Ion	Ratio	Lower	Upper
101	100		
151	69.6	57.1	85.7

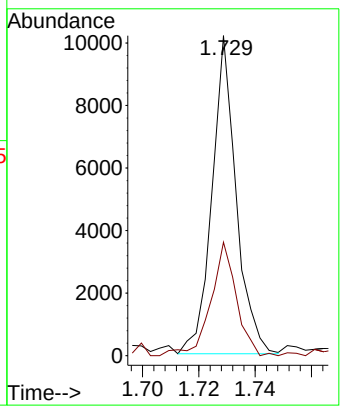




#13
Ethanol
Concen: 4.874 ppbv
RT: 1.729 min Scan# 5(
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 45 Resp: 606(

Ion	Ratio	Lower	Upper
45	100		
46	38.1	20.2	80.8



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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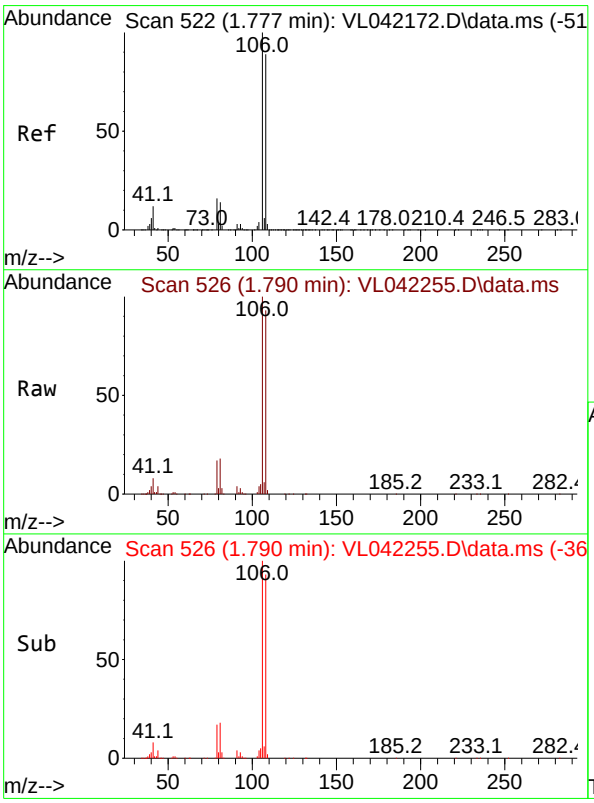
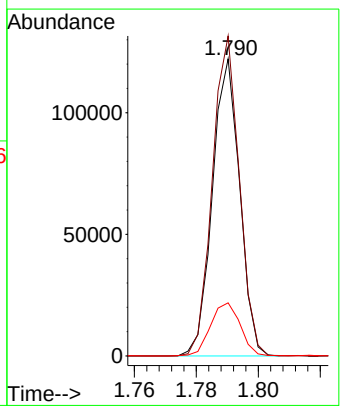
Supervised By :Mahesh Dadoda 04/09/2025

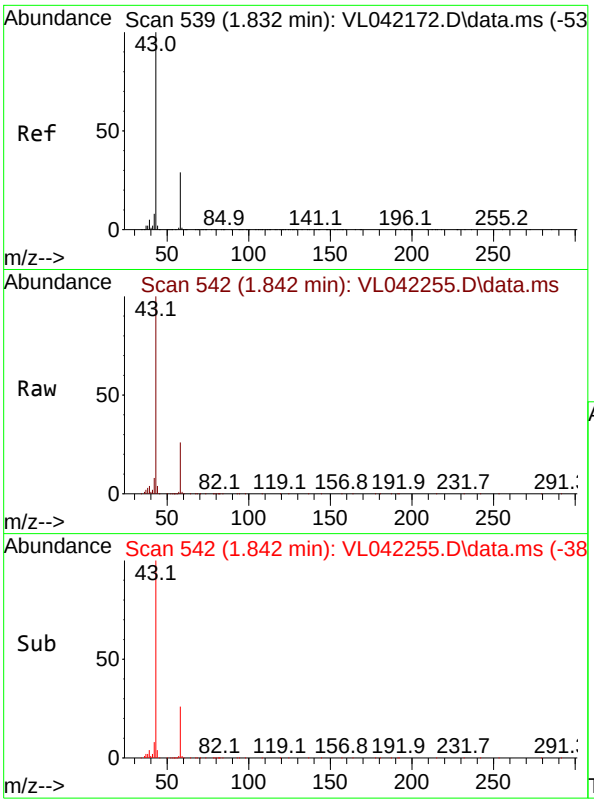


#14
Bromoethene
Concen: 8.671 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:108 Resp: 74695

Ion	Ratio	Lower	Upper
108	100		
106	106.1	86.8	130.2
79	19.5	15.0	22.6

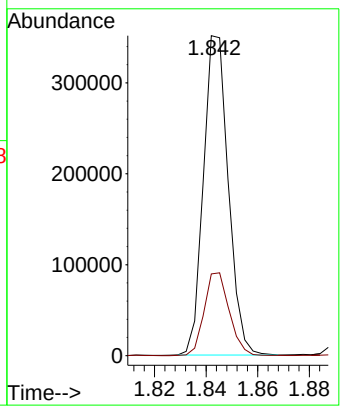




#15
Acetone
Concen: 8.860 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 23595

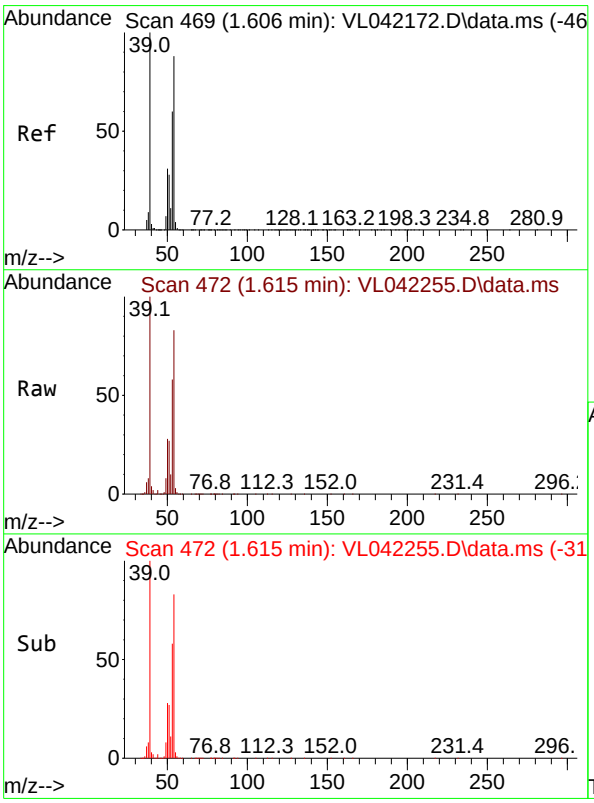
Ion	Ratio	Lower	Upper
43	100		
58	26.4	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
APPROVED

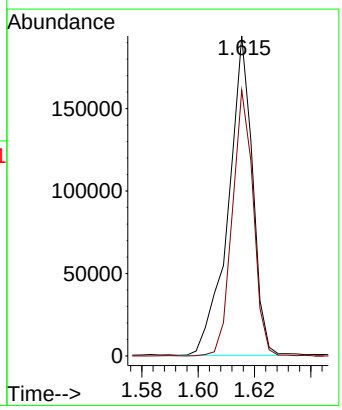
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

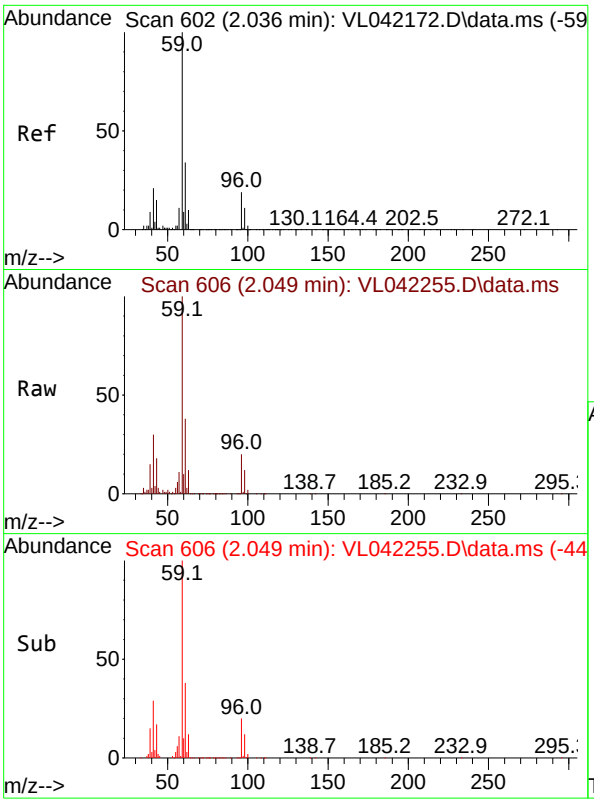


#16
1,3-Butadiene
Concen: 8.904 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 39 Resp: 115796

Ion	Ratio	Lower	Upper
39	100		
54	71.9	60.7	91.1

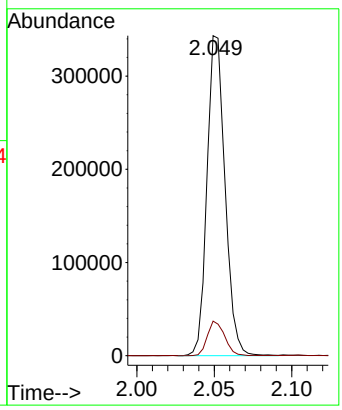




#17
tert-Butyl alcohol
Concen: 8.371 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 59 Resp: 27765

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.9	13.3



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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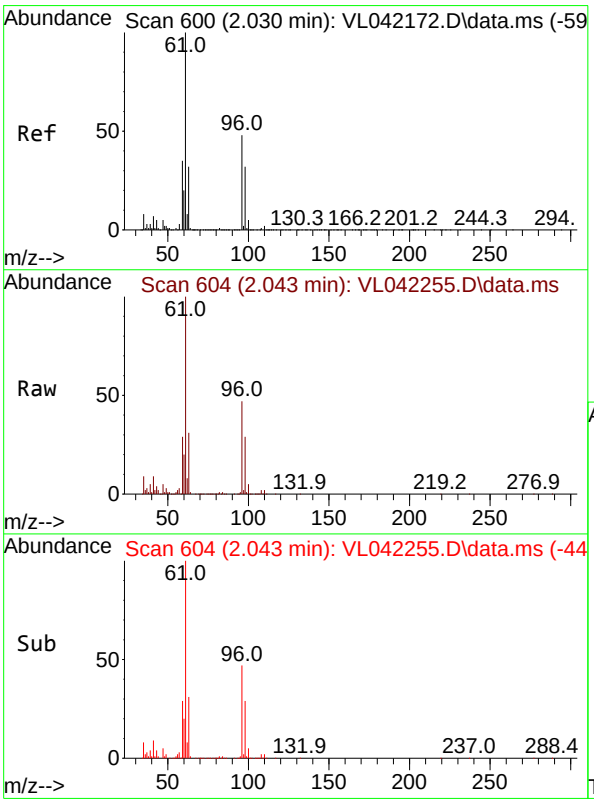
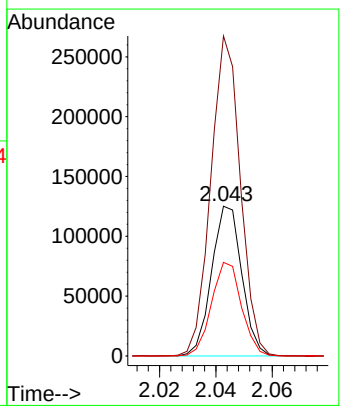
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

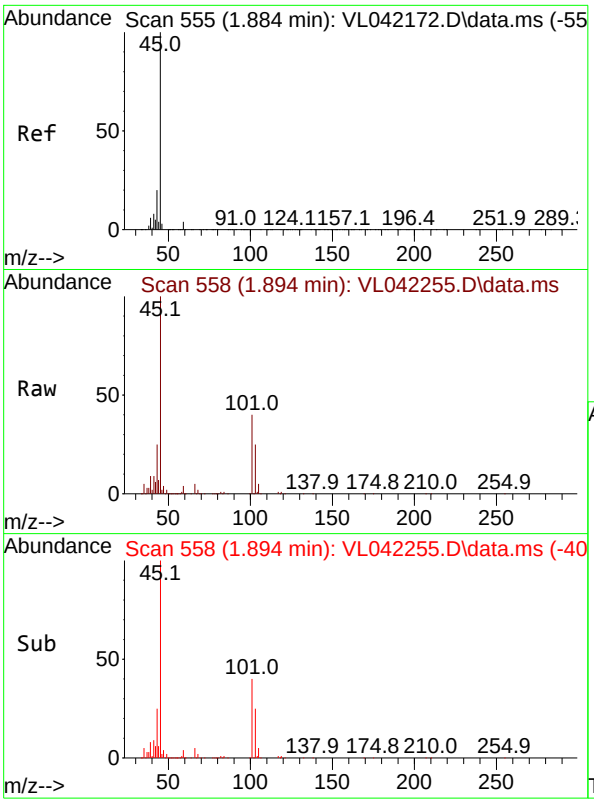


#18
1,1-Dichloroethene
Concen: 8.862 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 96 Resp: 93164

Ion	Ratio	Lower	Upper
96	100		
61	213.3	167.6	251.4
98	62.4	53.5	80.3





#19
Isopropyl Alcohol
Concen: 8.613 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 45 Resp: 12941

Ion	Ratio	Lower	Upper
45	100		
58	2.1	36.9	55.3

Instrument :
MSVOA_L
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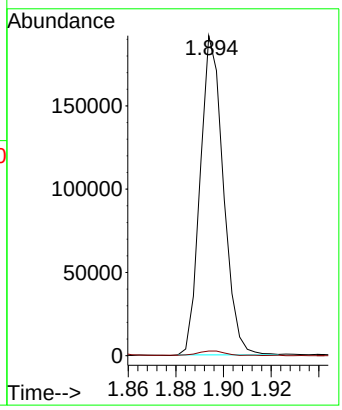
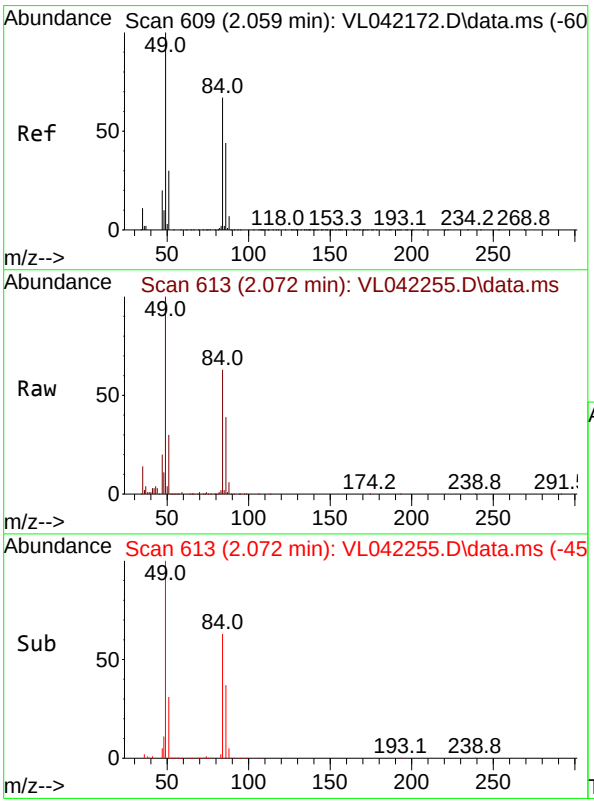
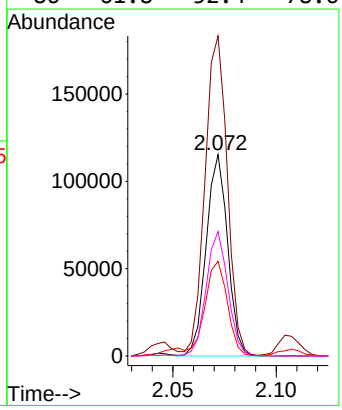


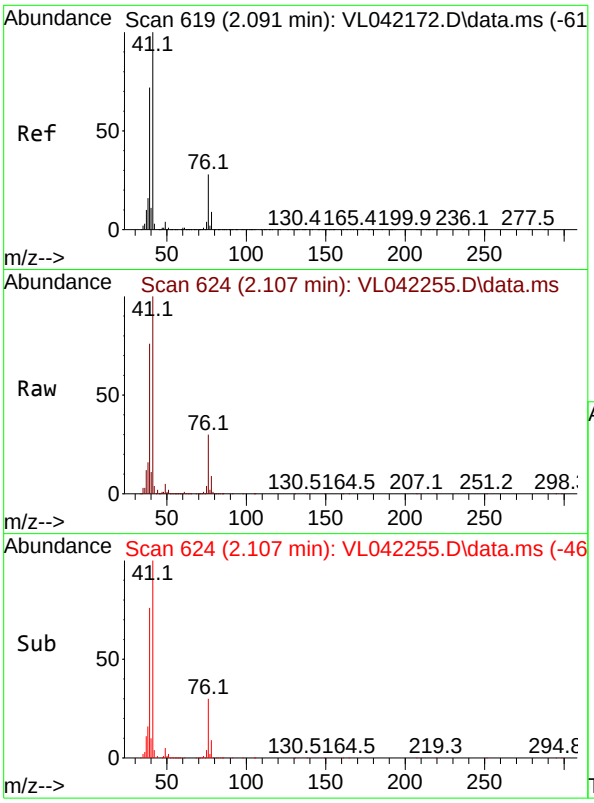


#20
Methylene Chloride
Concen: 8.396 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 84 Resp: 83277

Ion	Ratio	Lower	Upper
84	100		
49	156.9	120.2	180.4
51	44.9	37.4	56.0
86	61.8	52.4	78.6





#21
Allyl Chloride
Concen: 9.105 ppbv
RT: 2.107 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 41 Resp: 17101

Ion	Ratio	Lower	Upper
41	100		
76	28.5	24.1	36.1
39	77.8	61.1	91.7

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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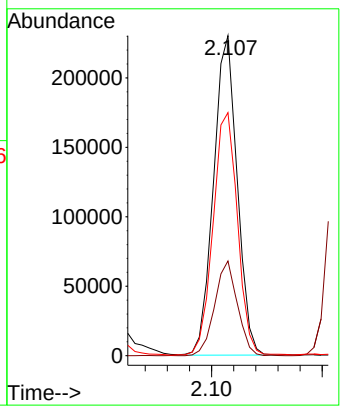
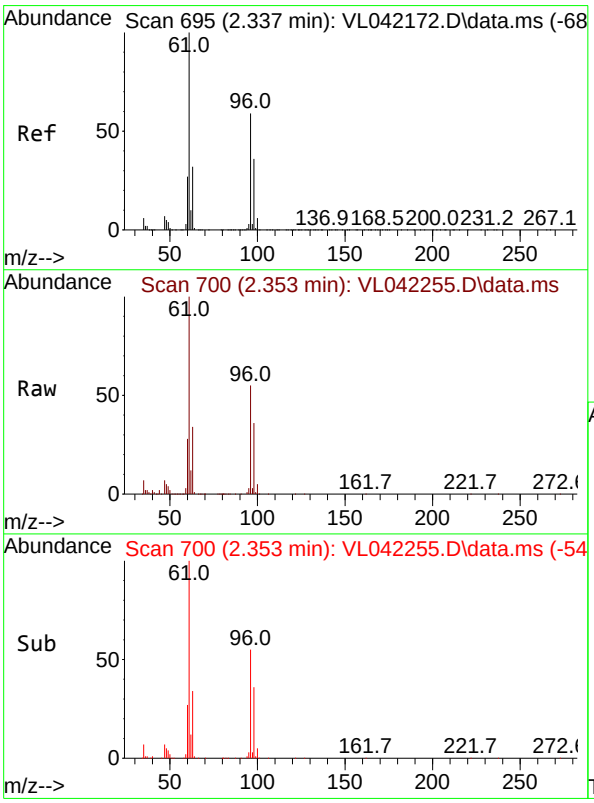
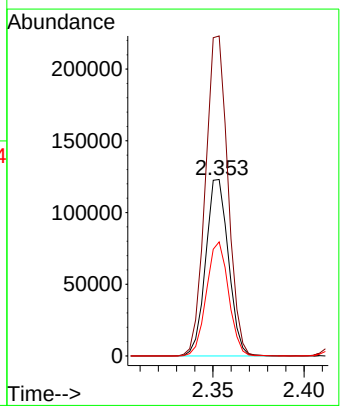


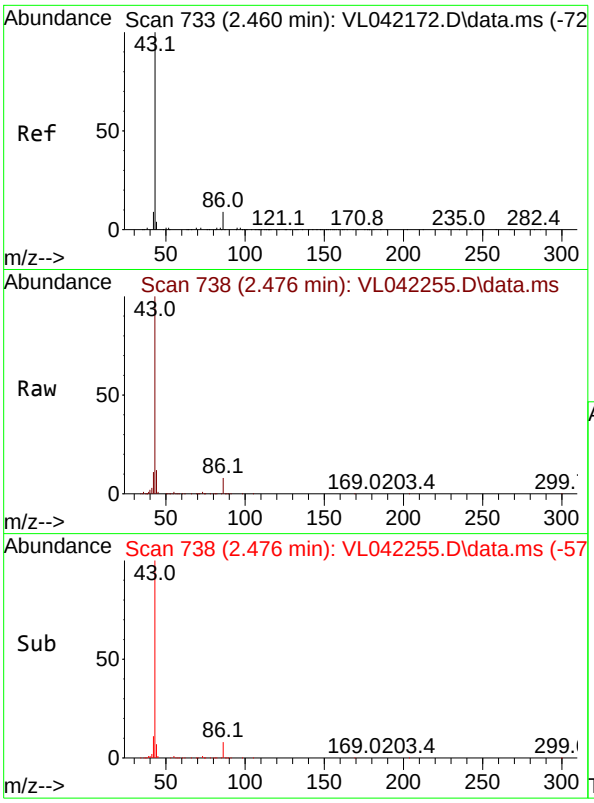


#22
trans-1,2-Dichloroethene
Concen: 8.782 ppbv
RT: 2.353 min Scan# 700
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 96 Resp: 106692

Ion	Ratio	Lower	Upper
96	100		
61	181.3	136.6	204.8
98	64.6	49.4	74.2

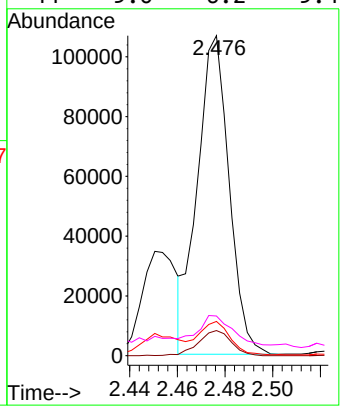




#23
Vinyl Acetate
Concen: 8.549 ppbv
RT: 2.476 min Scan# 7
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 9853

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	9.9	8.6	13.0
44	9.0	6.2	9.4



Instrument :
MSVOA_L
ClientSampleId :
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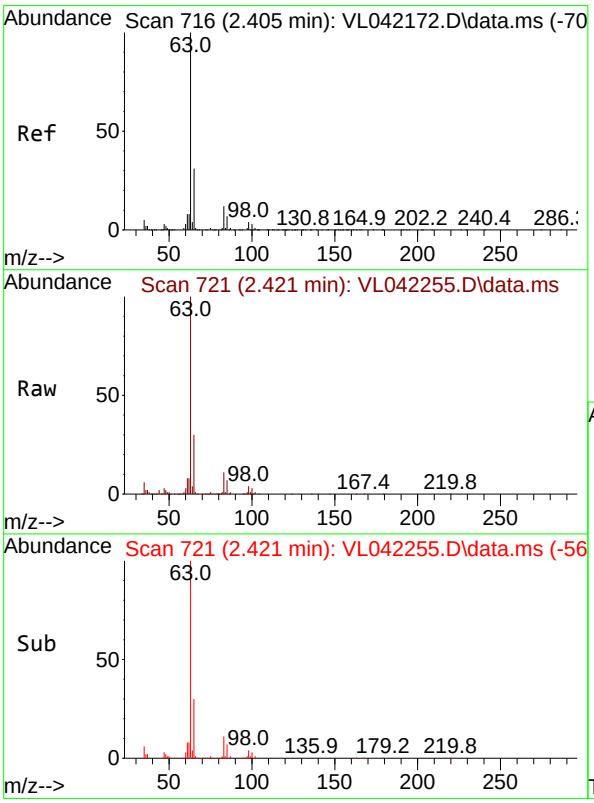
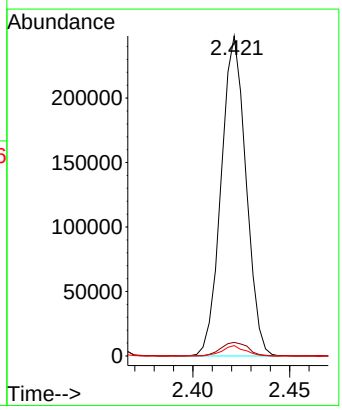
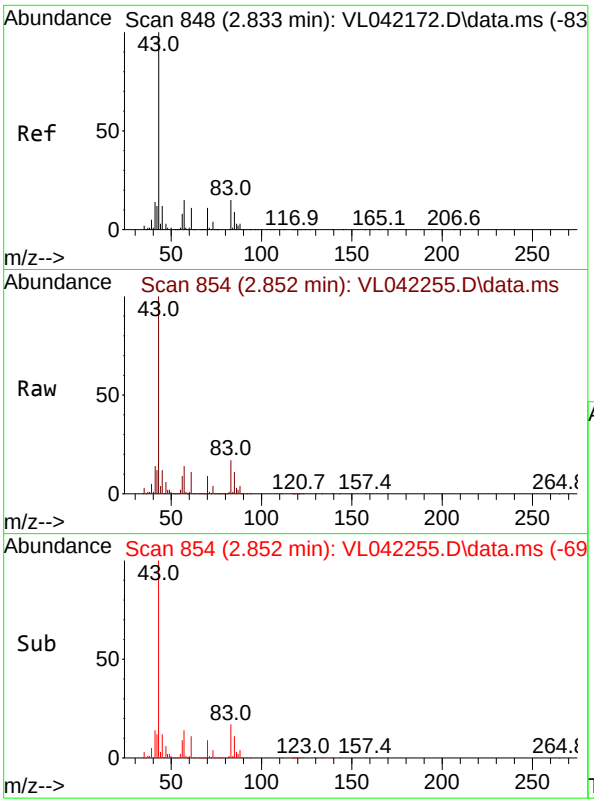


#24
1,1-Dichloroethane
Concen: 9.814 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 63 Resp: 221032

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	3.3	1.6	4.7

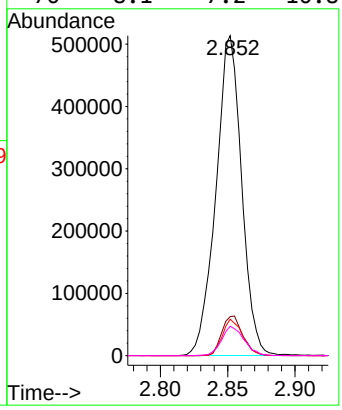




#25
Ethyl Acetate
Concen: 9.854 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 68113

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.2	7.3	10.9
70	8.1	7.2	10.8



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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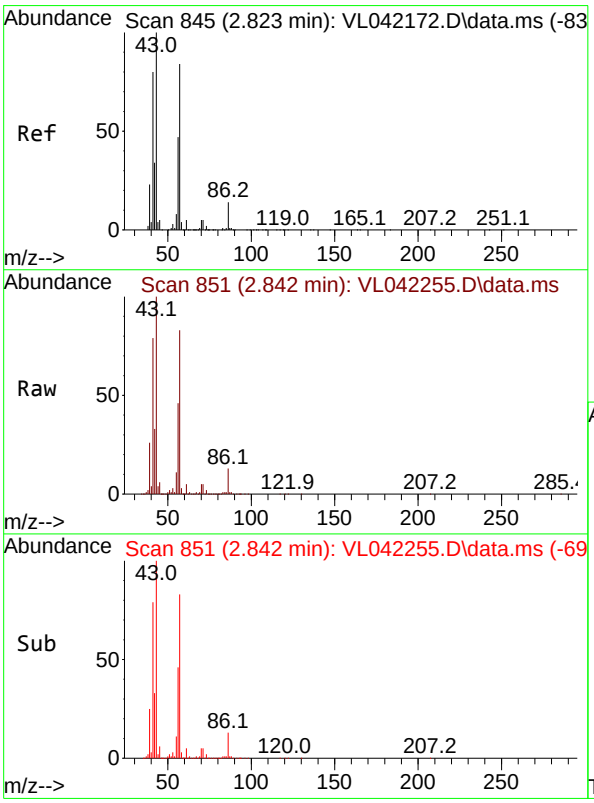
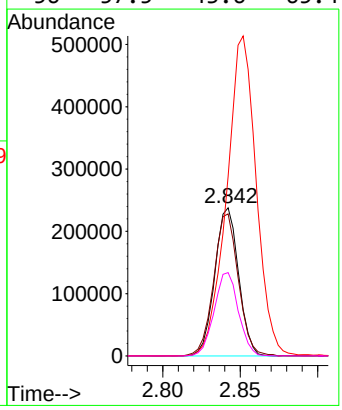
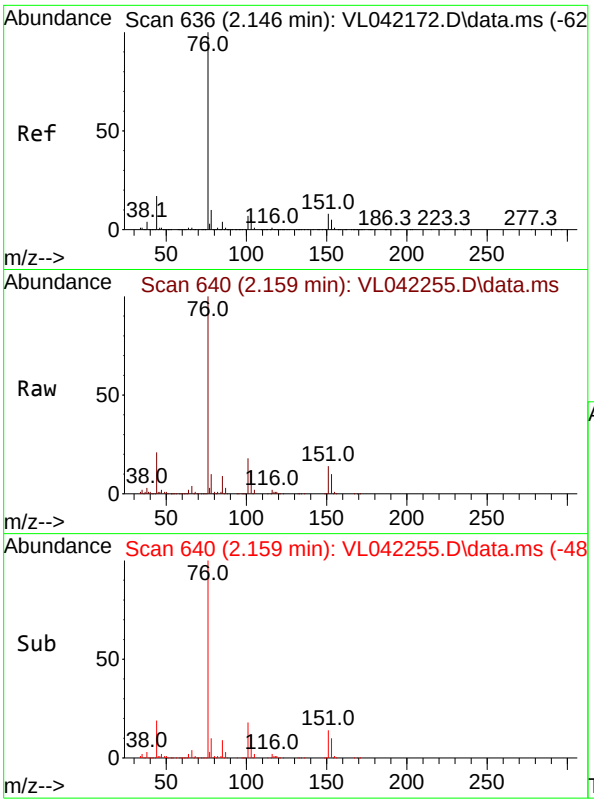


#26
Hexane
Concen: 9.519 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 57 Resp: 254141

Ion	Ratio	Lower	Upper
57	100		
41	99.4	76.6	114.8
43	268.9	207.8	311.8
56	57.5	43.6	65.4





#27
Carbon Disulfide
Concen: 9.046 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 76 Resp: 25897

Ion	Ratio	Lower	Upper
76	100		
44	19.1	14.7	22.1
78	11.7	9.3	13.9

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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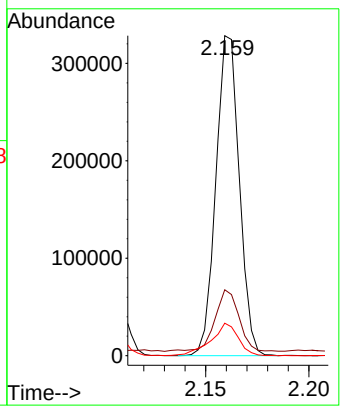
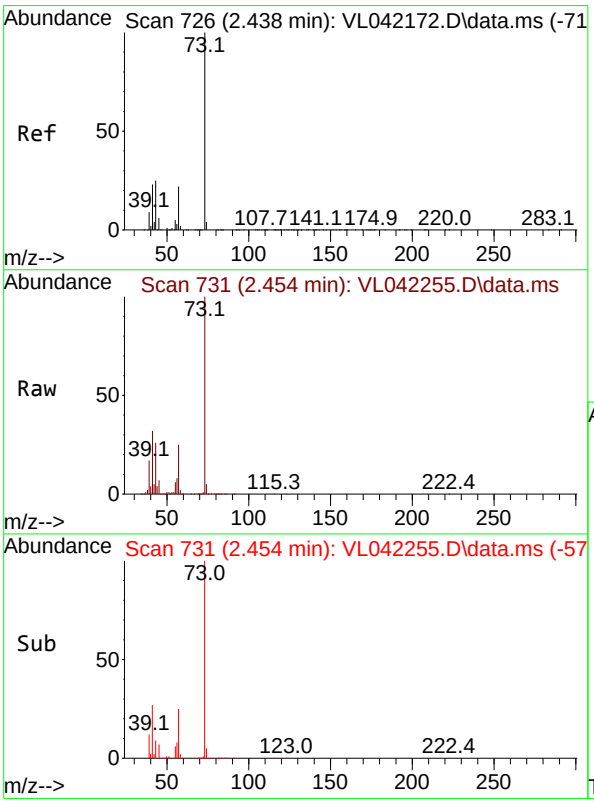
Supervised By :Mahesh Dadoda 04/09/2025

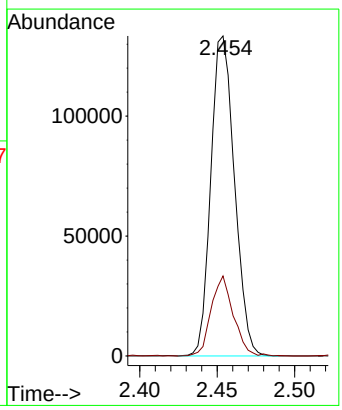


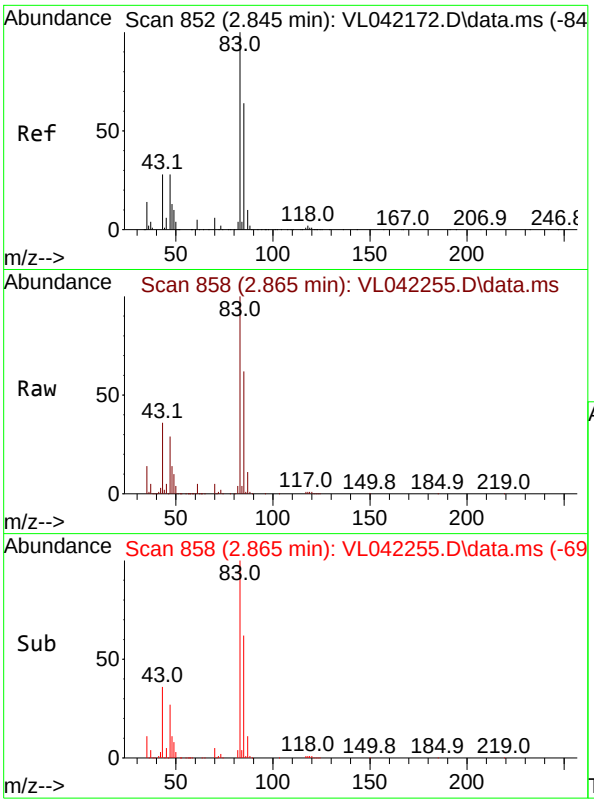


#28
Methyl tert-Butyl Ether
Concen: 8.506 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 73 Resp: 141395

Ion	Ratio	Lower	Upper
73	100		
57	23.8	20.5	30.7





#29
Chloroform
Concen: 10.507 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 83 Resp: 41052

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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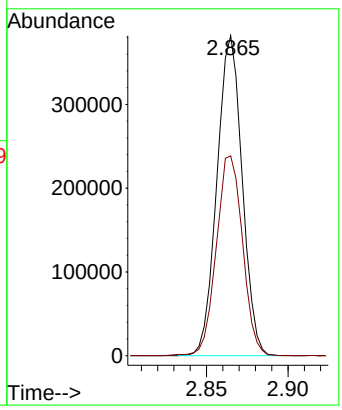
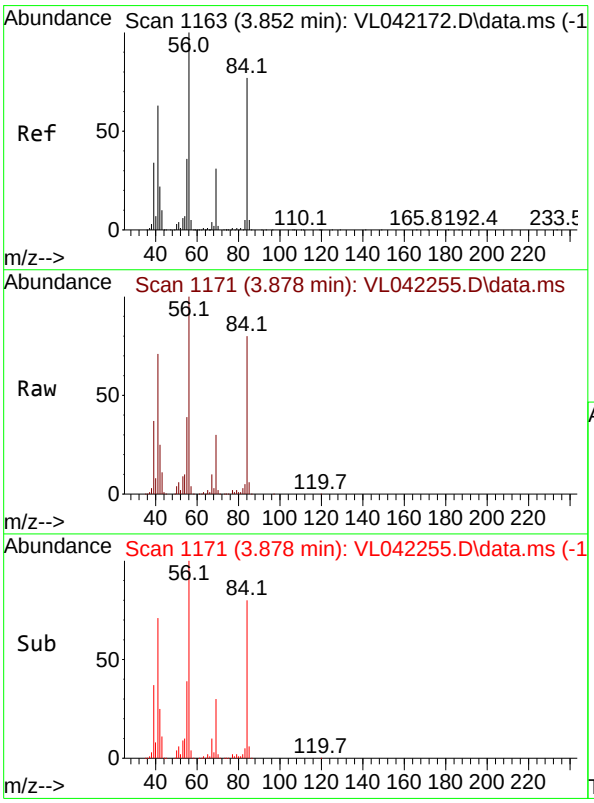
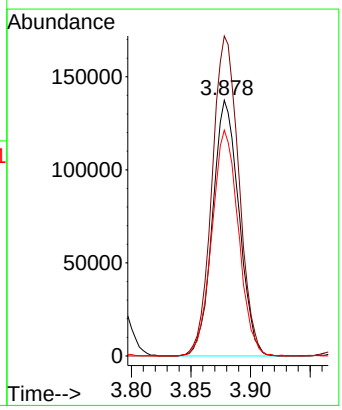


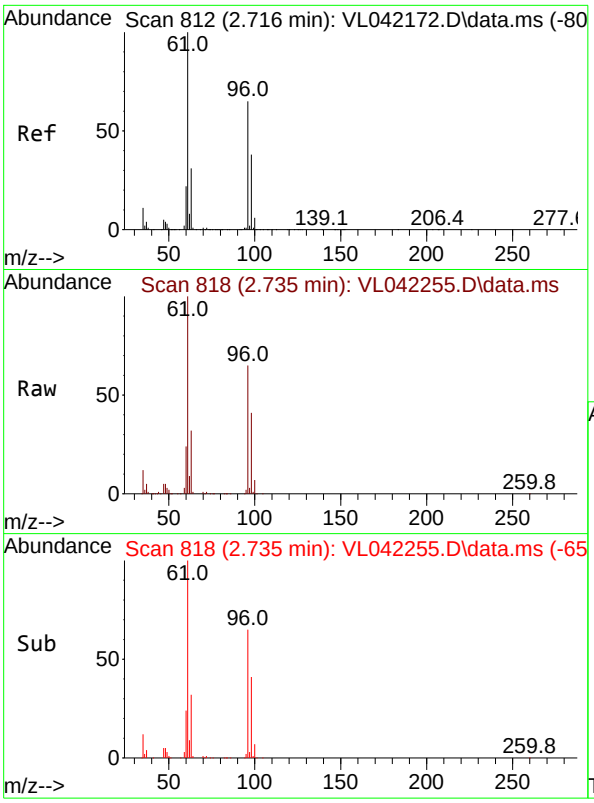


#30
Cyclohexane
Concen: 9.112 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 84 Resp: 211231

Ion	Ratio	Lower	Upper
84	100		
56	126.6	102.8	154.2
41	88.8	66.5	99.7

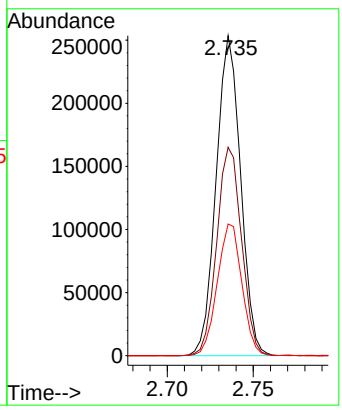




#31
cis-1,2-Dichloroethene
Concen: 9.268 ppbv
RT: 2.735 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 61 Resp: 25120

Ion	Ratio	Lower	Upper
61	100		
96	65.1	51.8	77.8
98	41.2	30.6	46.0



Instrument :
MSVOA_L
ClientSampleId :
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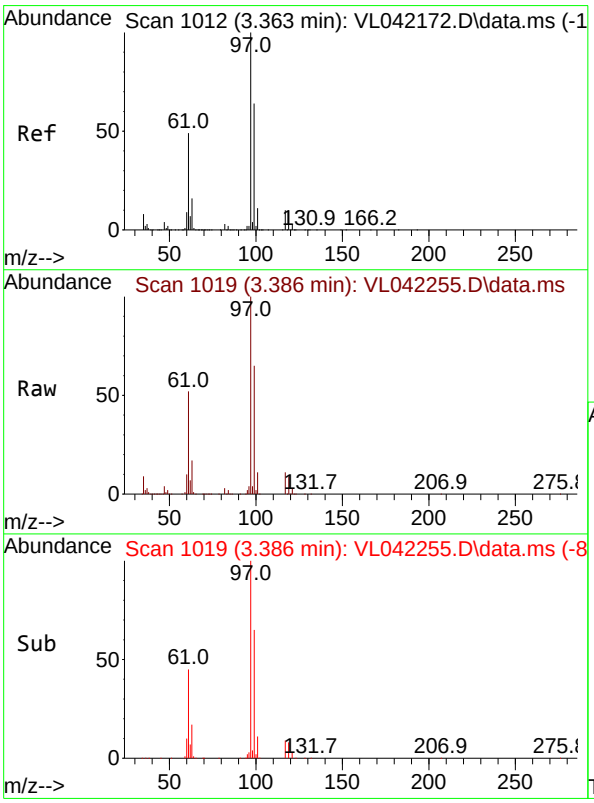
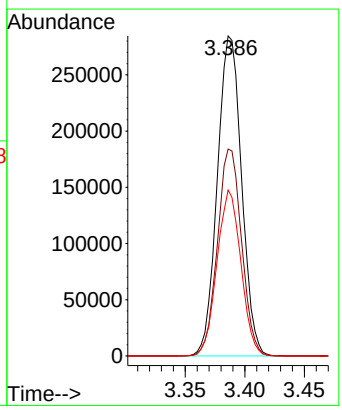
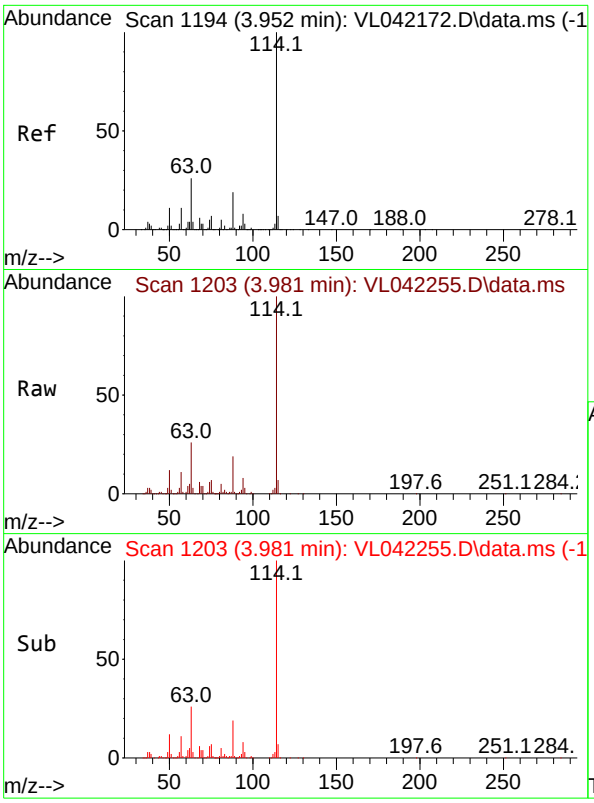


#32
1,1,1-Trichloroethane
Concen: 8.998 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 97 Resp: 402513

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	51.2	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:114 Resp: 49467

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	18.5	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
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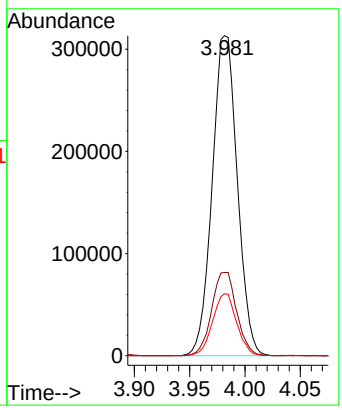
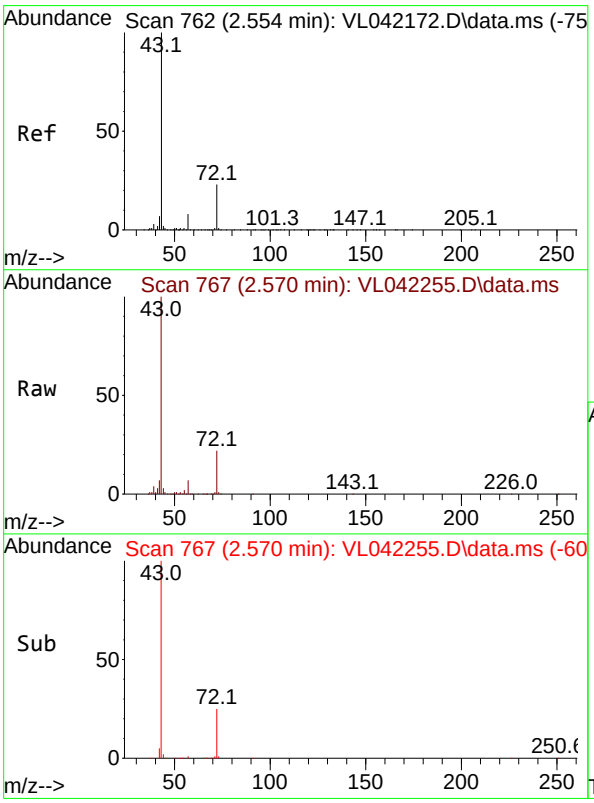
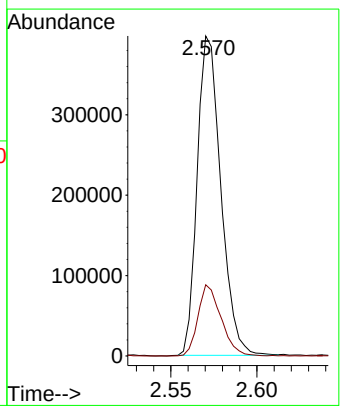


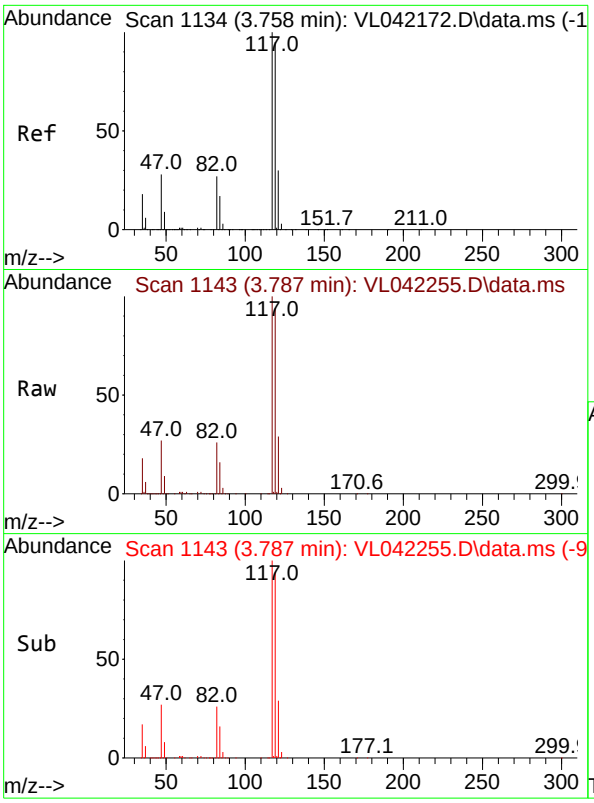


#34
2-Butanone
Concen: 10.575 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 379327

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.2	27.2

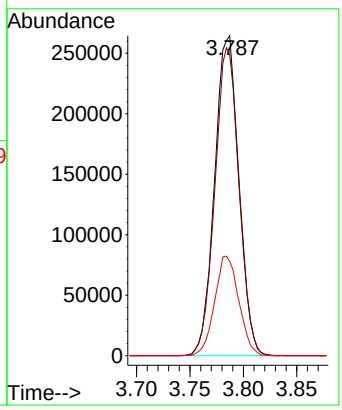




#35
Carbon Tetrachloride
Concen: 10.828 ppbv
RT: 3.787 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:117 Resp: 41842

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.2	114.2
121	29.5	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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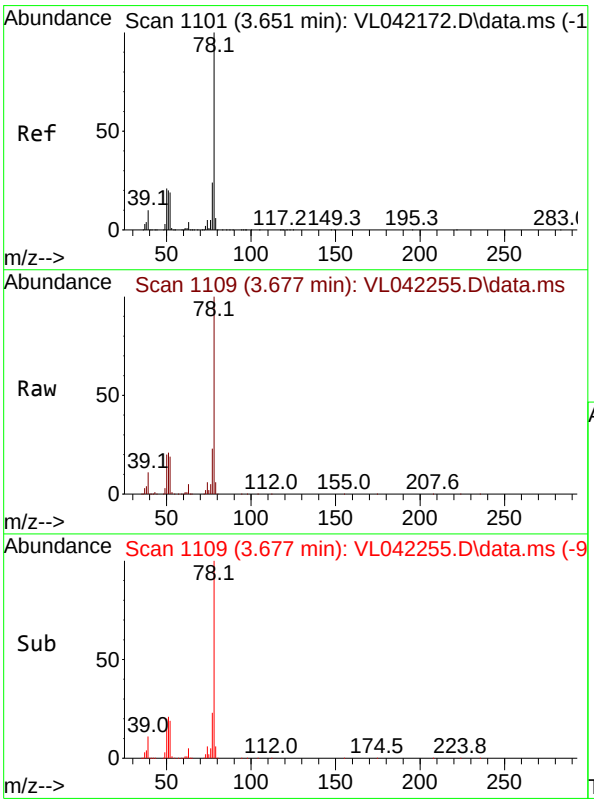
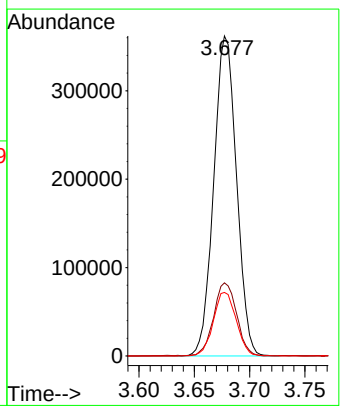
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

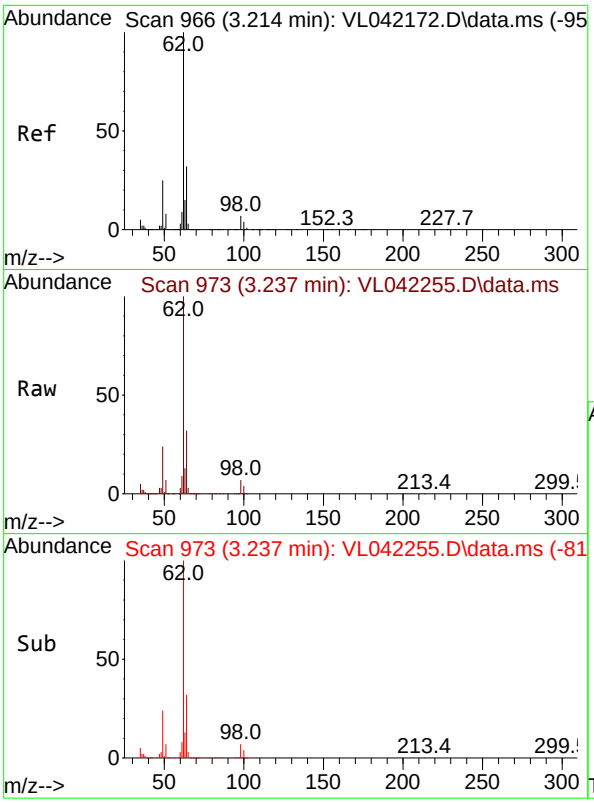


#36
Benzene
Concen: 10.564 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 78 Resp: 518095

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7
50	19.9	16.6	24.8





#37
1,2-Dichloroethane
Concen: 11.226 ppbv
RT: 3.237 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 62 Resp: 31519

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.4	8.2

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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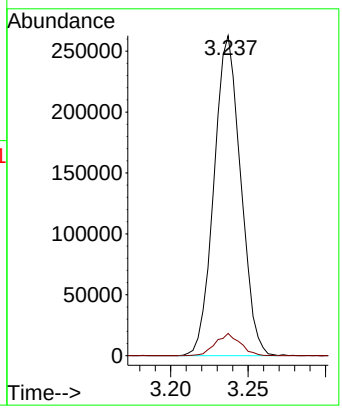
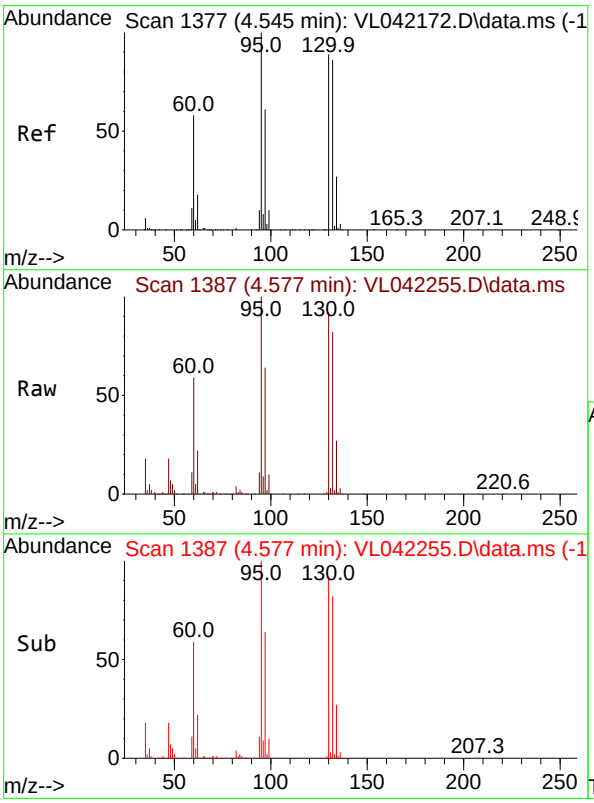
Supervised By :Mahesh Dadoda 04/09/2025

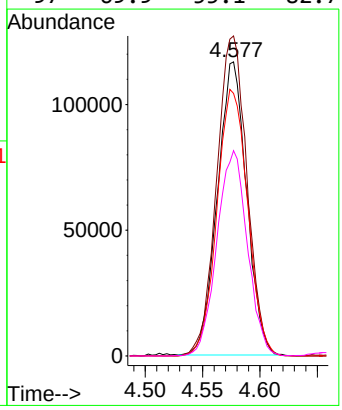


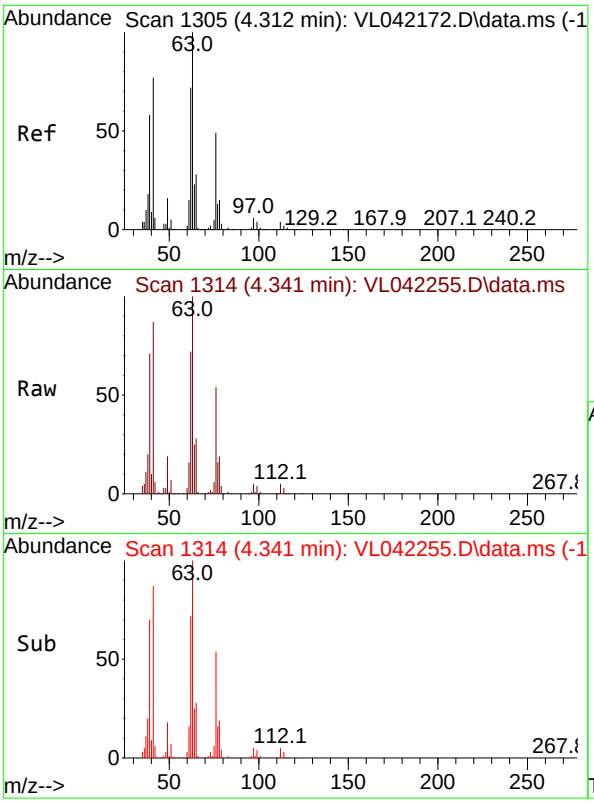


#38
Trichloroethene
Concen: 10.061 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:130 Resp: 205867

Ion	Ratio	Lower	Upper
130	100		
95	109.2	89.8	134.8
132	89.5	77.4	116.2
97	69.9	55.1	82.7

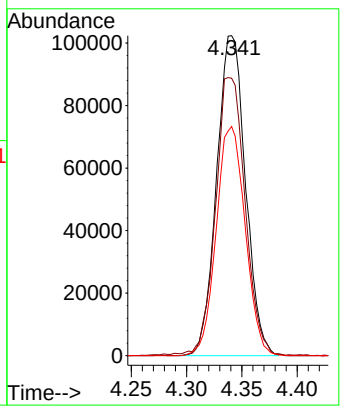




#39
1,2-Dichloropropane
Concen: 10.403 ppbv
RT: 4.341 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 63 Resp: 18579

Ion	Ratio	Lower	Upper
63	100		
41	86.0	61.7	92.5
62	71.6	57.6	86.4



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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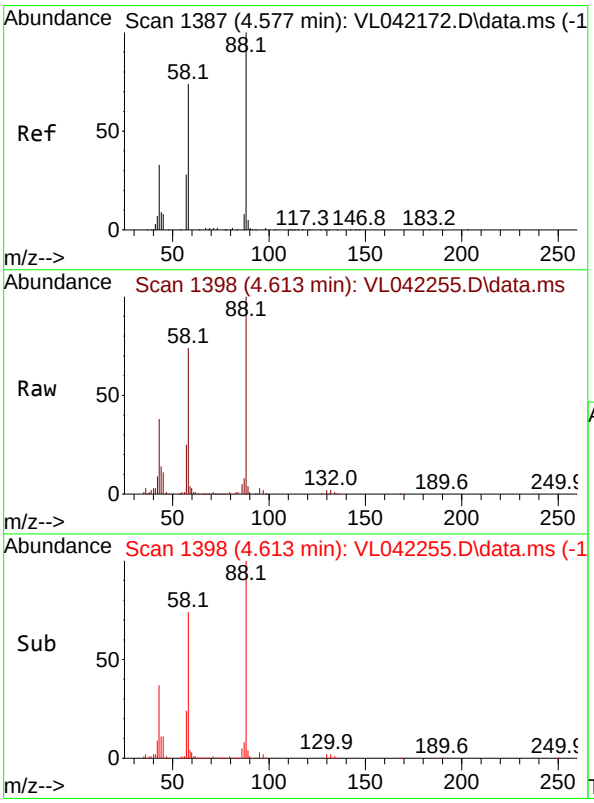
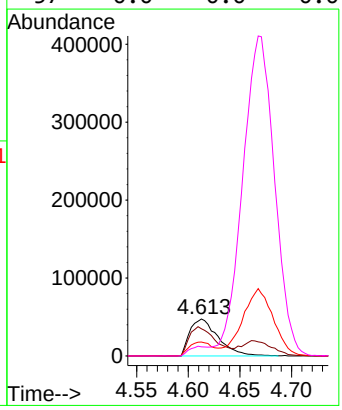
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

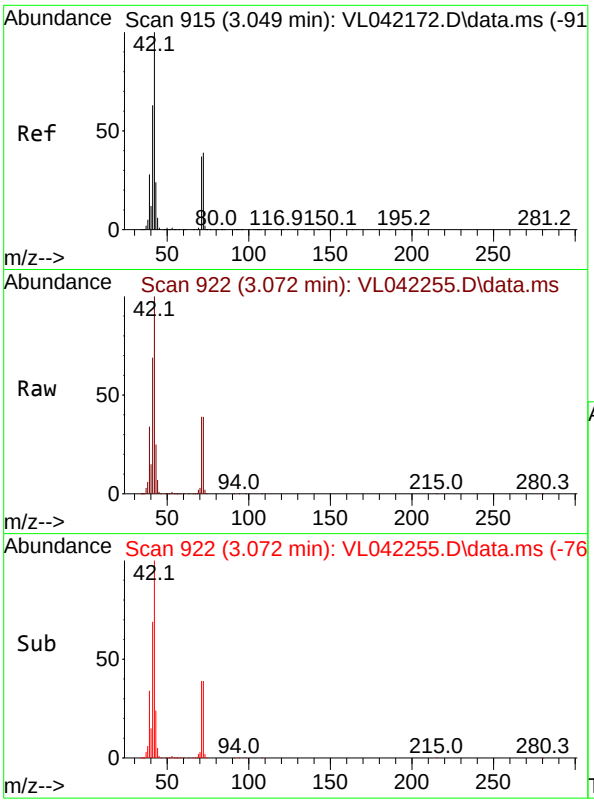


#40
1,4-Dioxane
Concen: 9.608 ppbv
RT: 4.613 min Scan# 1398
Delta R.T. 0.036 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 88 Resp: 91079

Ion	Ratio	Lower	Upper
88	100		
58	72.4	62.7	94.1
43	34.3	23.0	34.4
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.168 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 42 Resp: 21002

Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.4	47.0
71	35.8	30.2	45.4

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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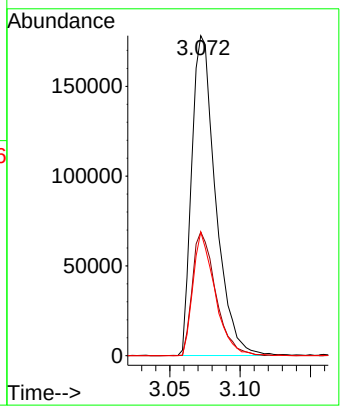
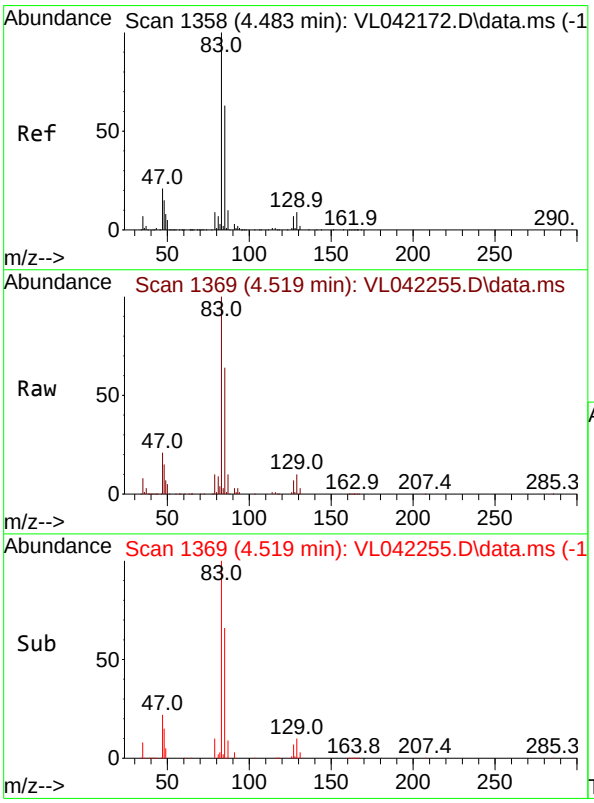
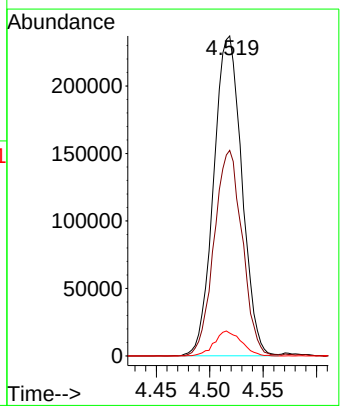


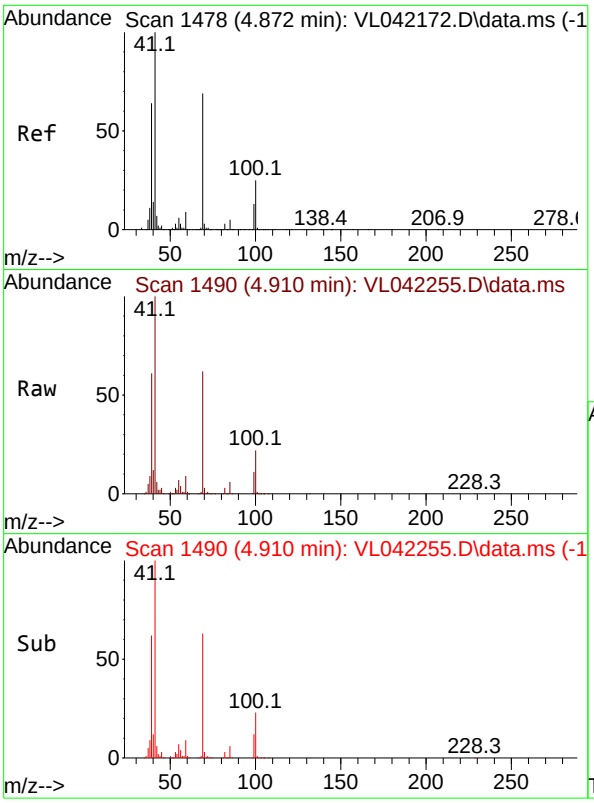


#42
Bromodichloromethane
Concen: 11.217 ppbv
RT: 4.519 min Scan# 1369
Delta R.T. 0.036 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 83 Resp: 434165

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.5	75.7
127	7.2	5.9	8.9





#43
Methyl Methacrylate
Concen: 9.277 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.039 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 69 Resp: 19259

Ion	Ratio	Lower	Upper
69	100		
41	157.9	123.8	185.6
100	35.4	28.4	42.6

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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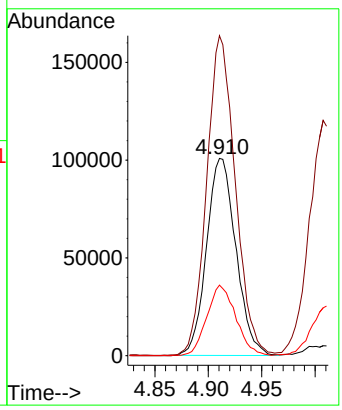
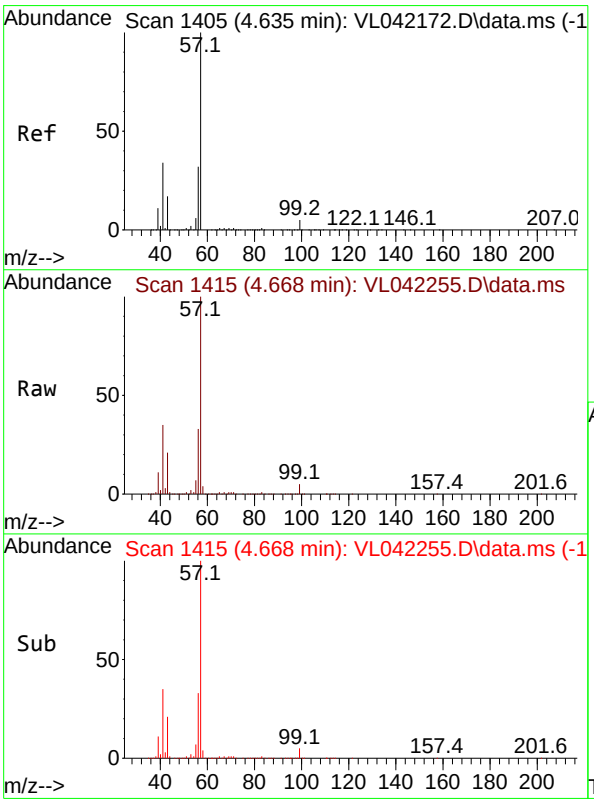
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

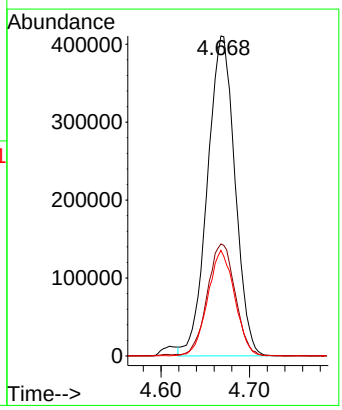


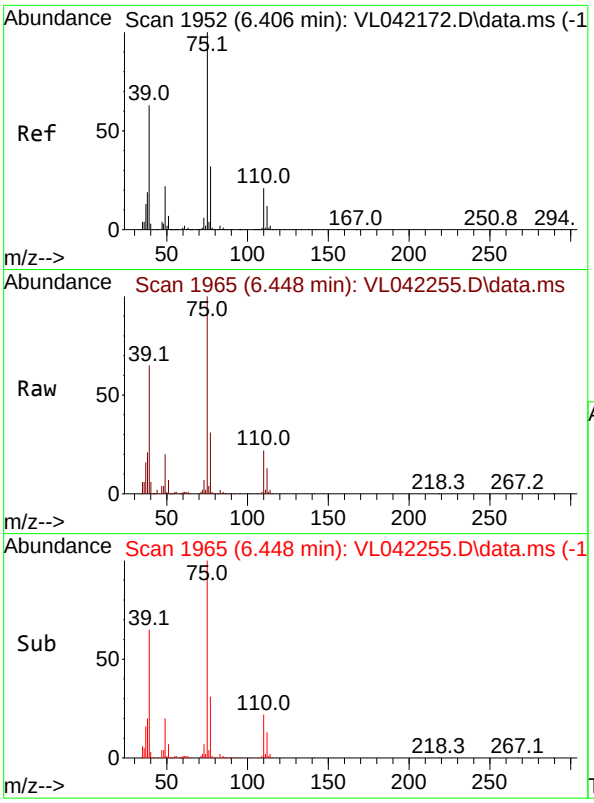


#44
2,2,4-Trimethylpentane
Concen: 10.701 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 57 Resp: 886873

Ion	Ratio	Lower	Upper
57	100		
41	35.8	26.8	40.2
56	32.5	25.6	38.4

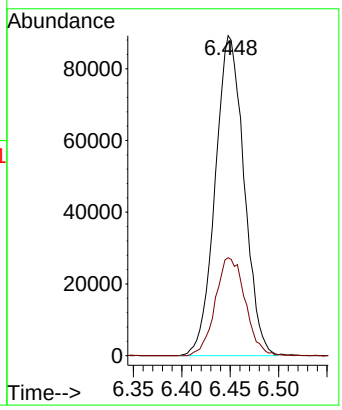




#45
t-1,3-Dichloropropene
Concen: 8.299 ppbv
RT: 6.448 min Scan# 1
Delta R.T. 0.042 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 75 Resp: 18485

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.0	39.0



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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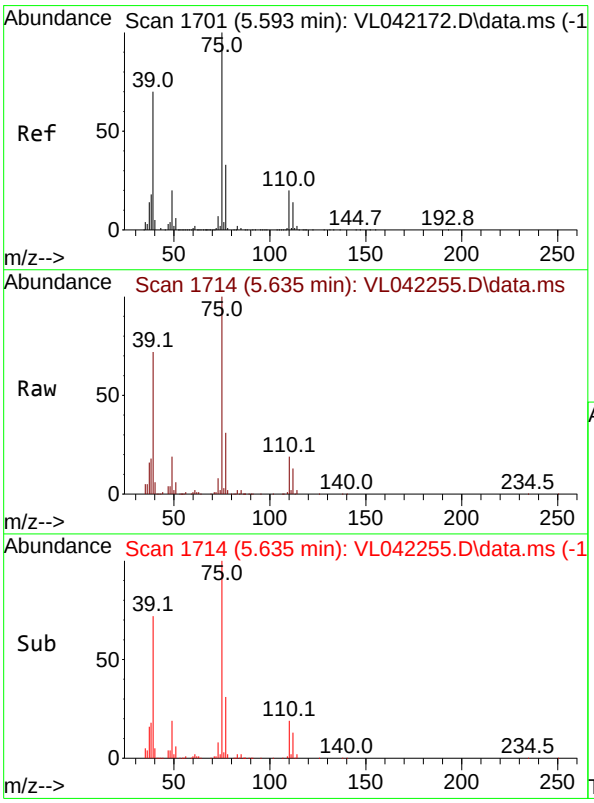
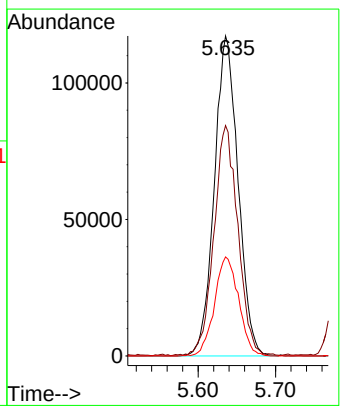
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

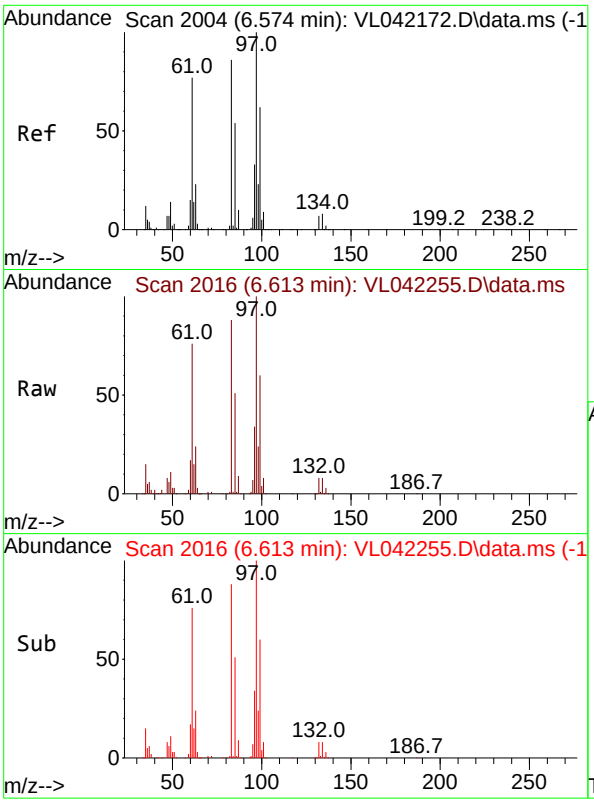


#46
cis-1,3-Dichloropropene
Concen: 9.149 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.042 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 75 Resp: 249791

Ion	Ratio	Lower	Upper
75	100		
39	71.8	55.8	83.6
77	31.0	26.0	39.0

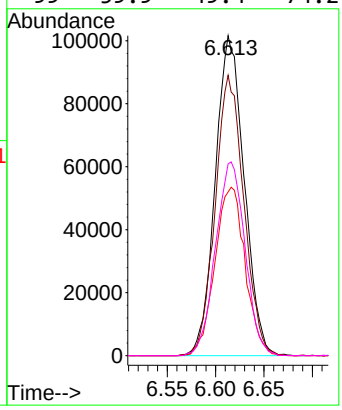




#47
1,1,2-Trichloroethane
Concen: 11.166 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.039 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 97 Resp: 21080

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.2	103.8
85	51.1	43.1	64.7
99	59.9	49.4	74.2



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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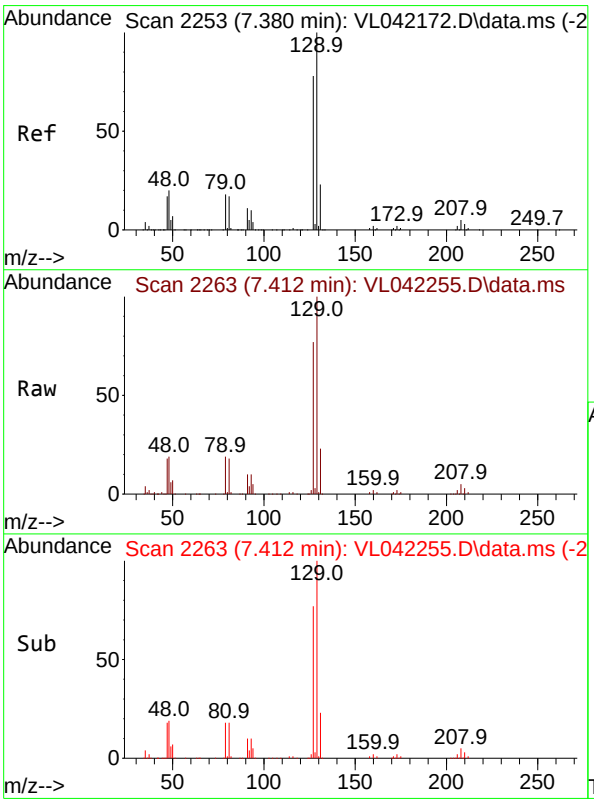
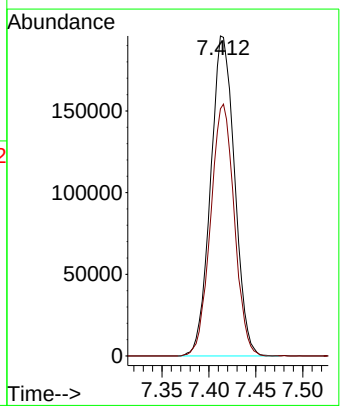
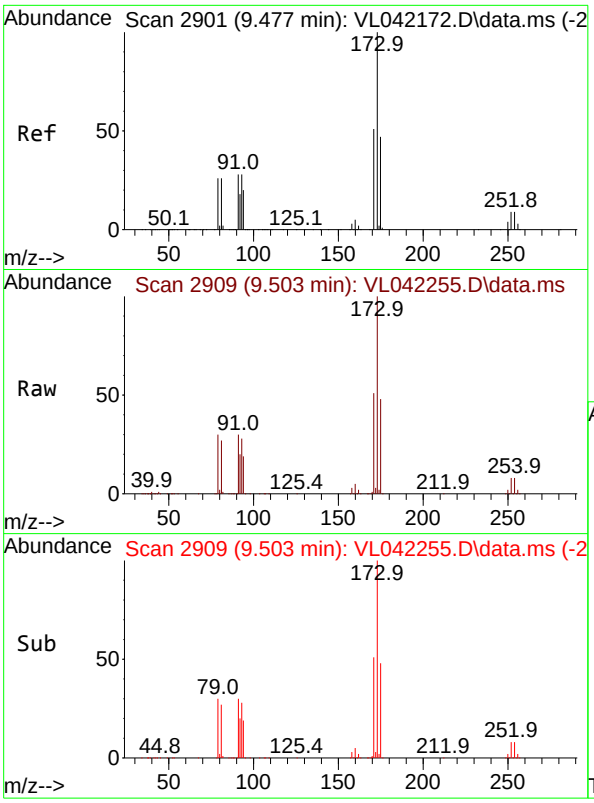


#48
Dibromochloromethane
Concen: 10.881 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:129 Resp: 348149

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2





#49
Bromoform
Concen: 10.703 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:173 Resp: 30746

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.6	57.8
171	51.5	41.8	62.6

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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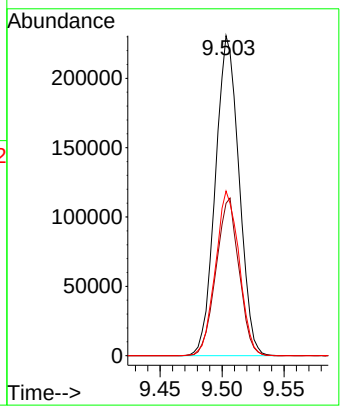
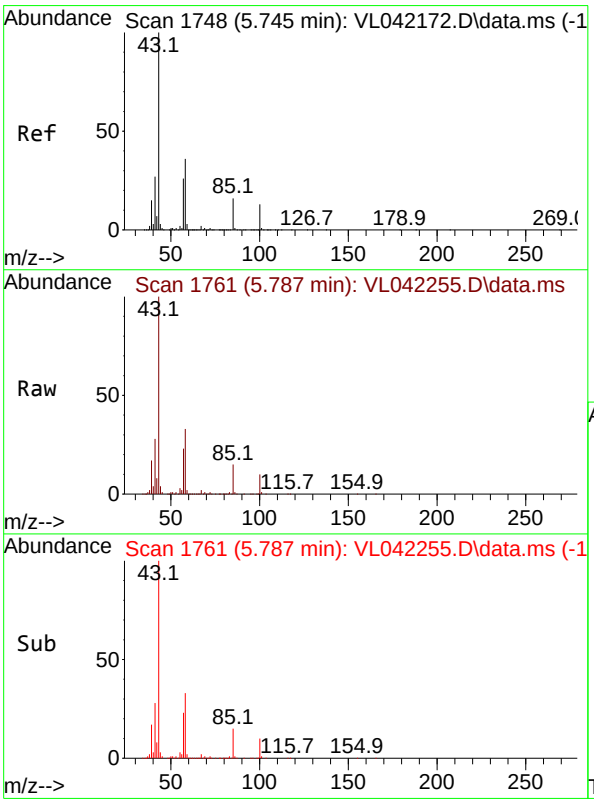
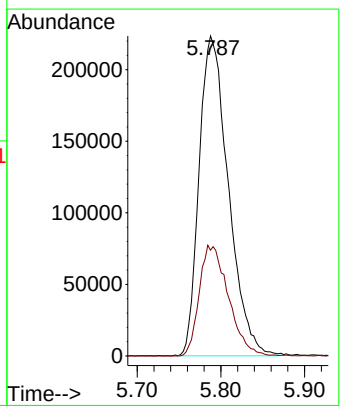


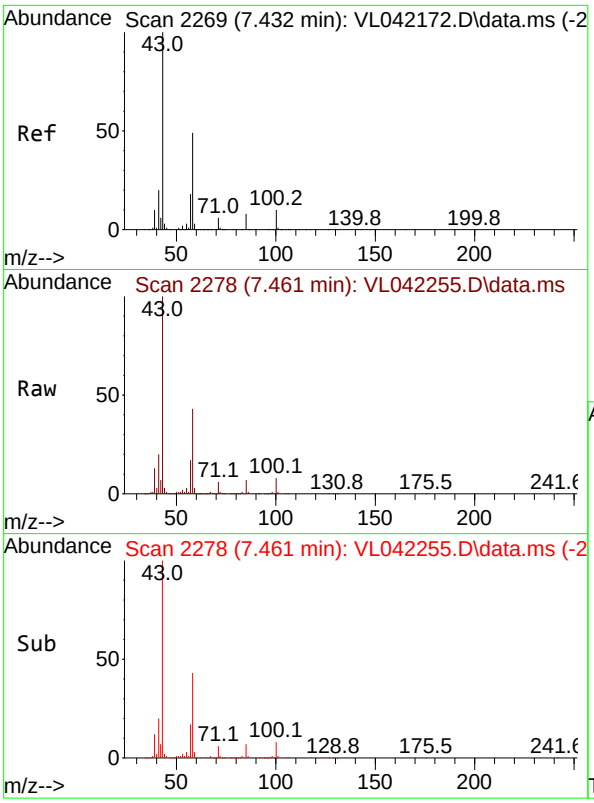


#50
4-Methyl-2-Pentanone
Concen: 9.554 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.042 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 543140

Ion	Ratio	Lower	Upper
43	100		
58	34.5	29.0	43.6





#51
2-Hexanone
Concen: 9.463 ppbv
RT: 7.461 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 44174

Ion	Ratio	Lower	Upper
43	100		
58	46.3	39.7	59.5
98	0.7	0.1	0.1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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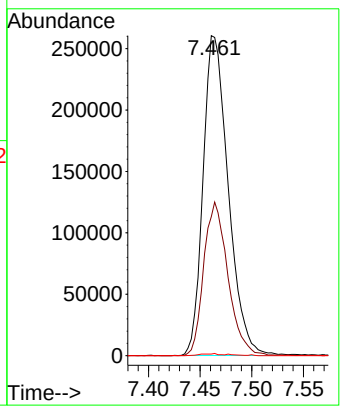
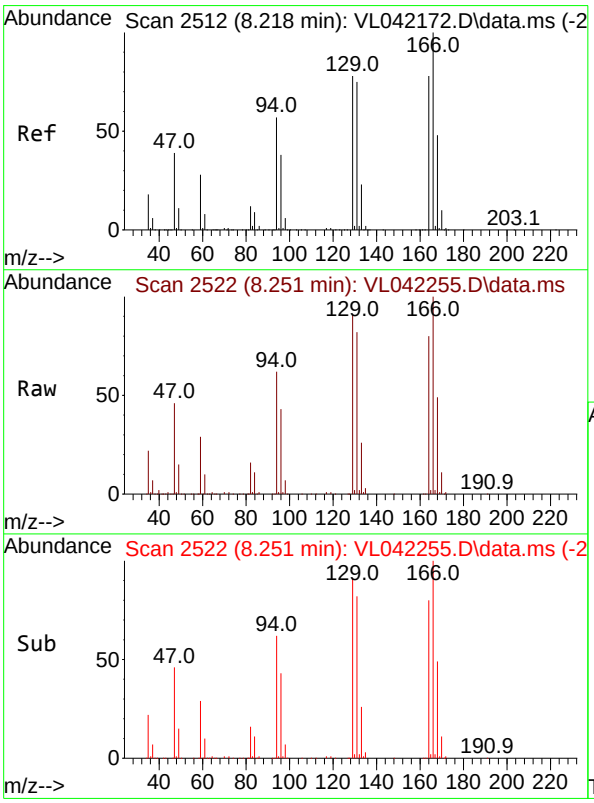
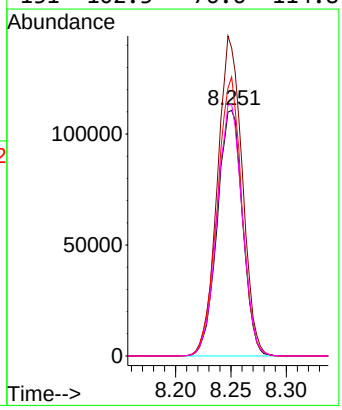


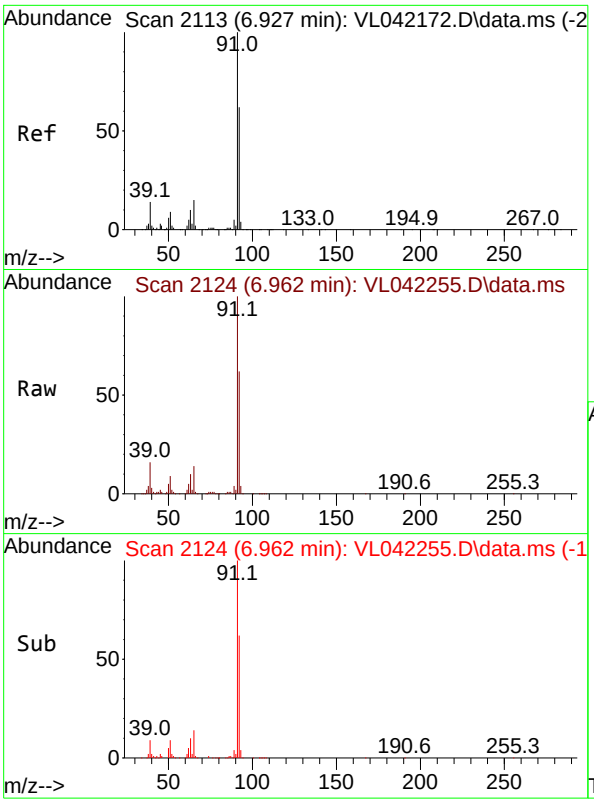


#52
Tetrachloroethene
Concen: 9.028 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:164 Resp: 175587

Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.5	153.7
129	113.6	79.8	119.8
131	102.3	76.6	114.8

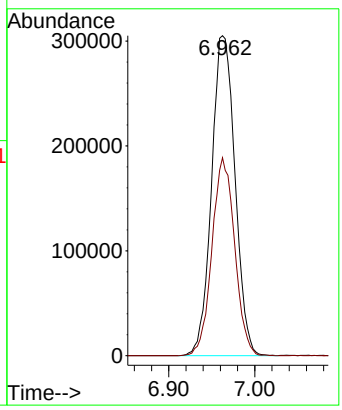




#53
Toluene
Concen: 9.947 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.036 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 57826

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.4	72.6



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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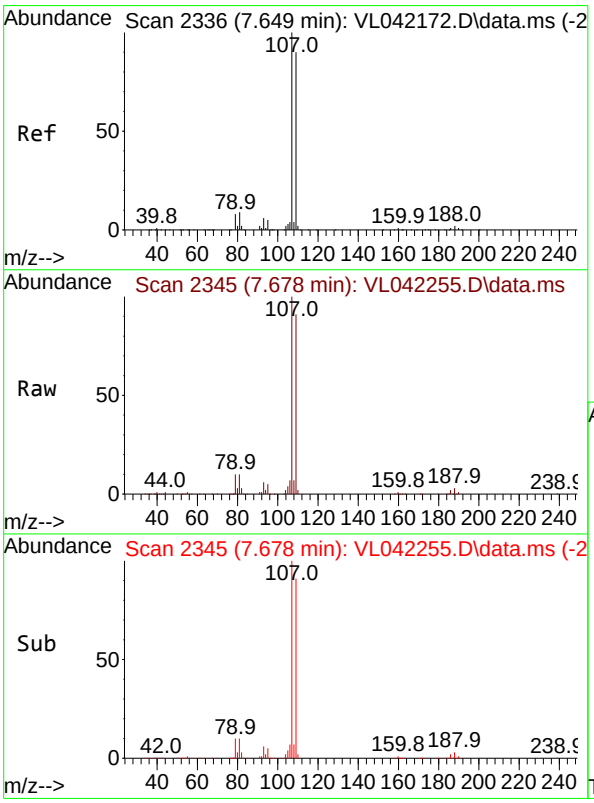
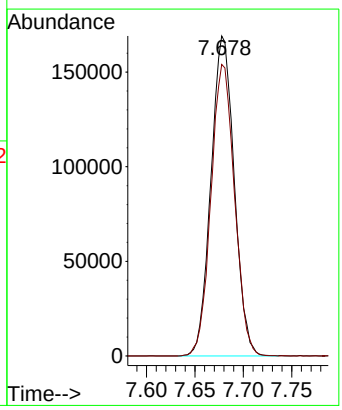
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

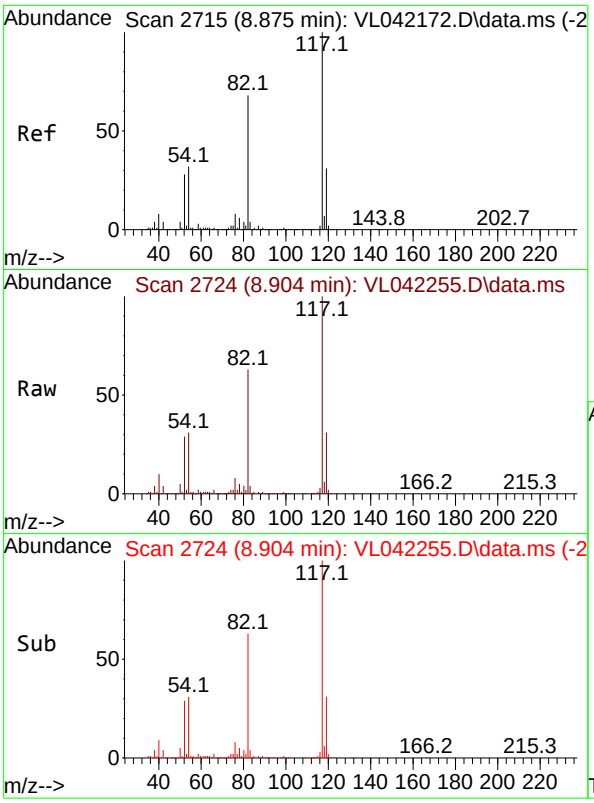


#54
1,2-Dibromoethane
Concen: 10.730 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:107 Resp: 282386

Ion	Ratio	Lower	Upper
107	100		
109	91.1	72.2	108.4

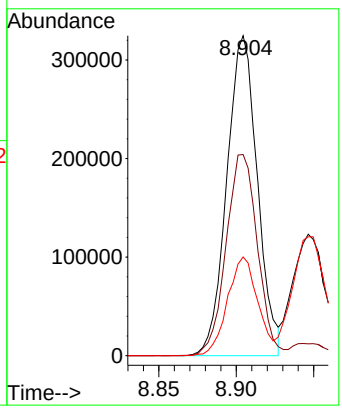




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:117 Resp: 44706

Ion	Ratio	Lower	Upper
117	100		
82	68.7	55.8	83.6
119	30.4	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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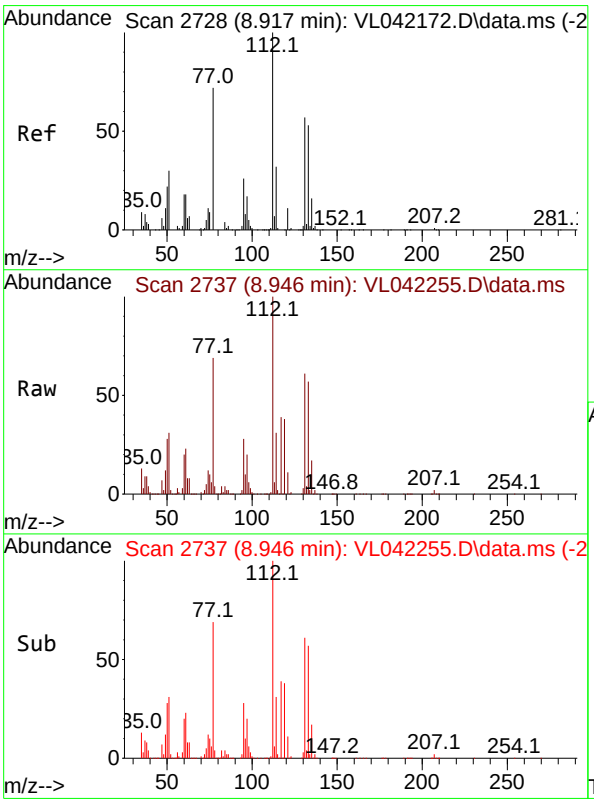
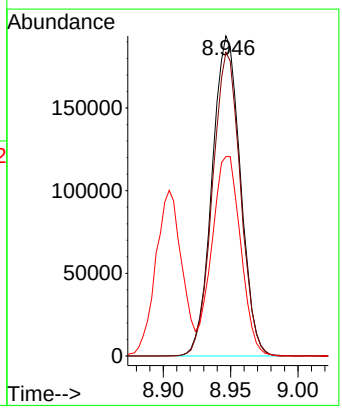
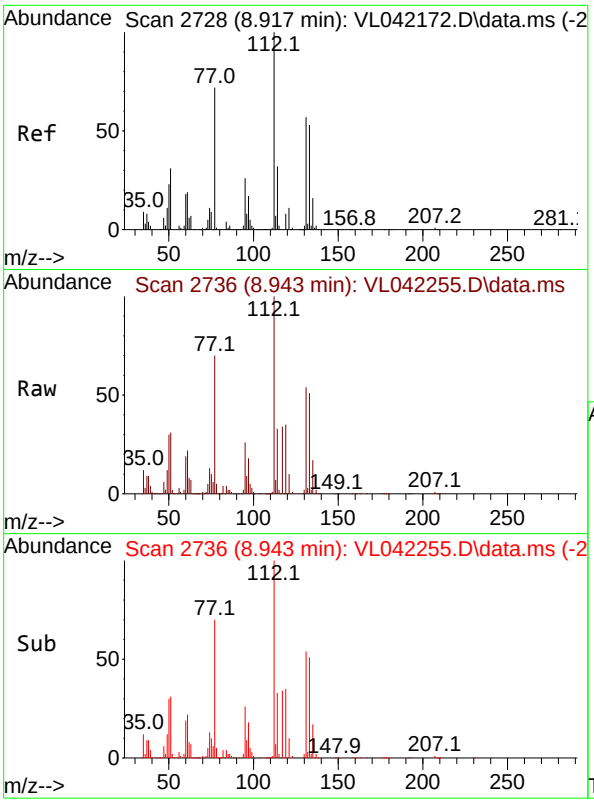


#56
1,1,1,2-Tetrachloroethane
Concen: 11.503 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:131 Resp: 283080

Ion	Ratio	Lower	Upper
131	100		
133	93.9	76.6	114.8
119	64.5	49.8	74.6





#57
Chlorobenzene
Concen: 11.360 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:112 Resp: 48171

Ion	Ratio	Lower	Upper
112	100		
77	70.3	58.2	87.2
114	32.9	29.1	35.5

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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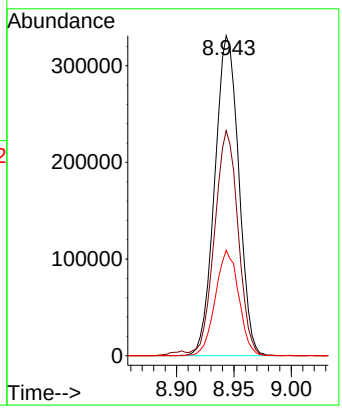
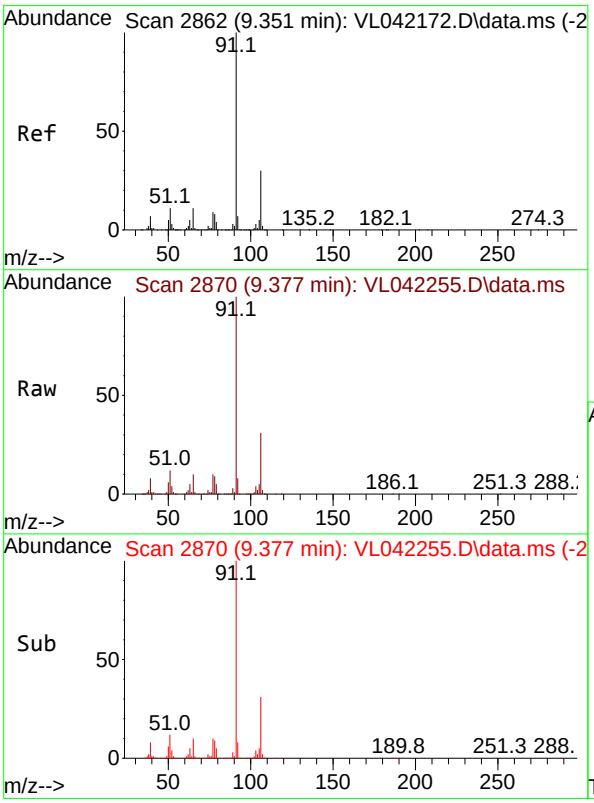
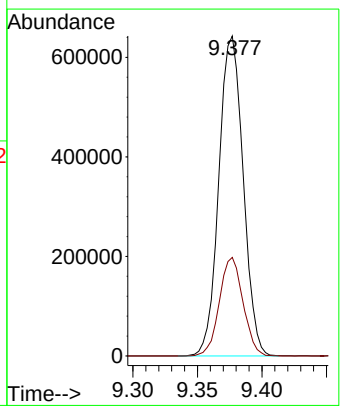


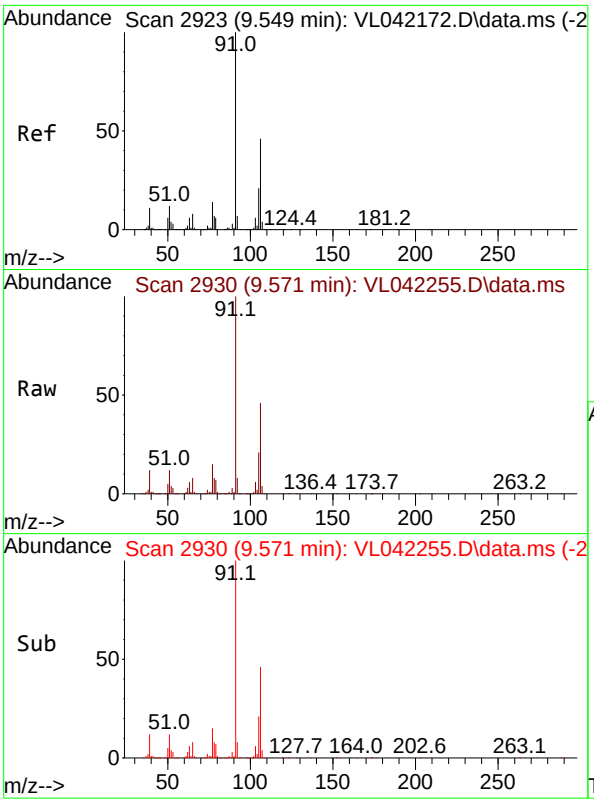


#58
Ethyl Benzene
Concen: 10.593 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 841166

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.2





#59
m/p-Xylene
Concen: 22.486 ppbv m
RT: 9.571 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 142583

Ion	Ratio	Lower	Upper
91	100		
106	46.1	36.4	54.6

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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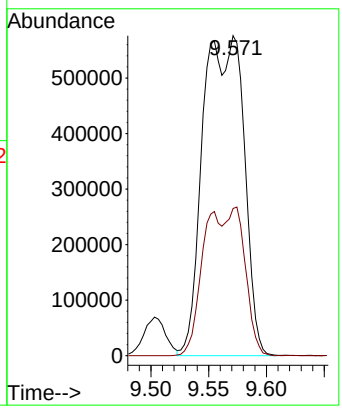
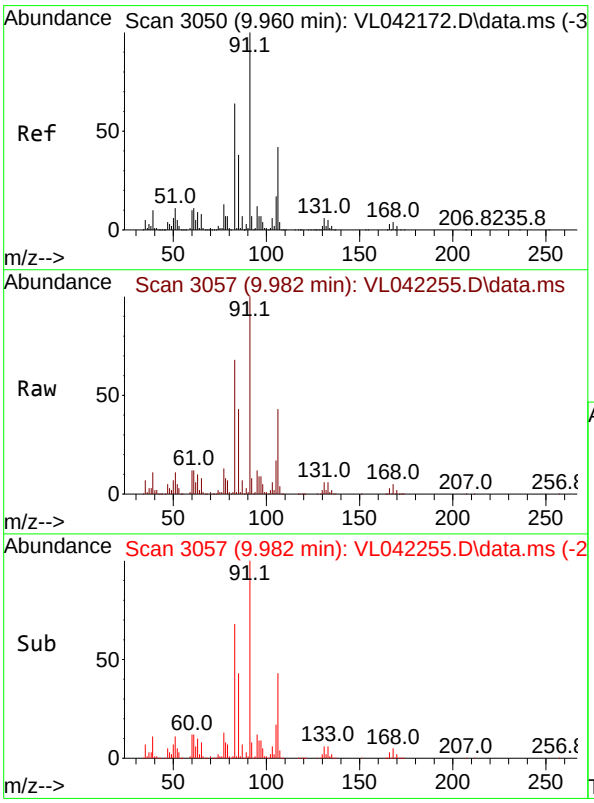
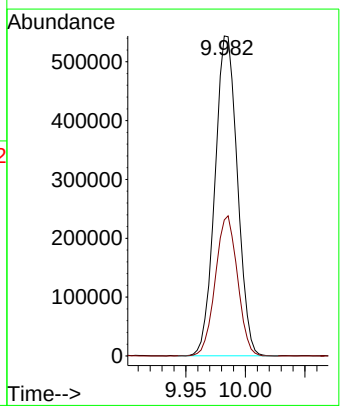


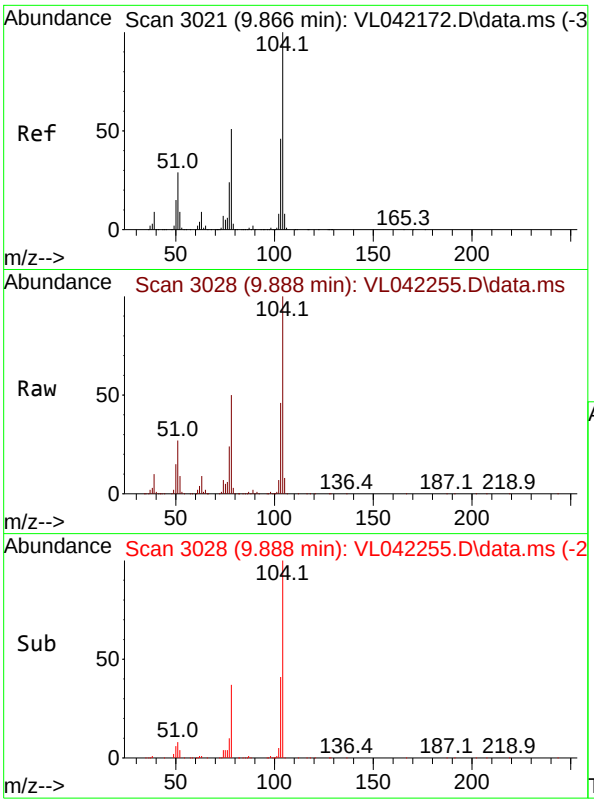


#60
o-Xylene
Concen: 11.194 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 711568

Ion	Ratio	Lower	Upper
91	100		
106	43.2	20.8	62.5

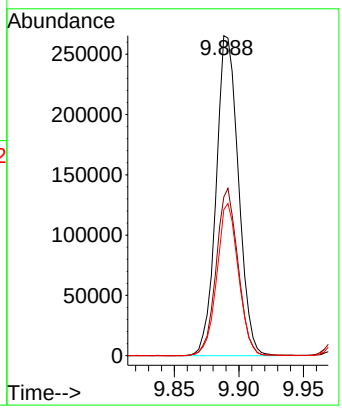




#61
Styrene
Concen: 10.149 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:104 Resp: 31915

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.8	62.6
103	46.2	37.0	55.4



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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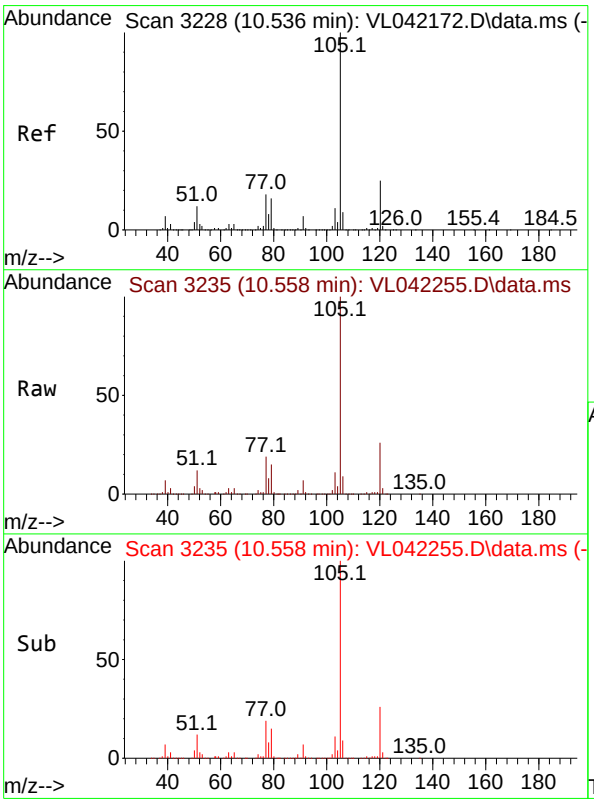
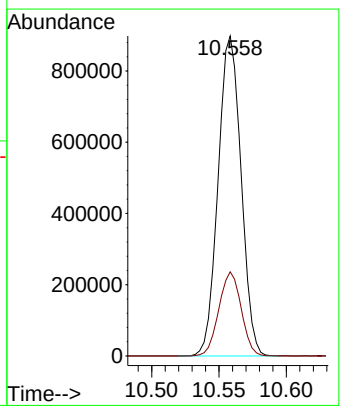
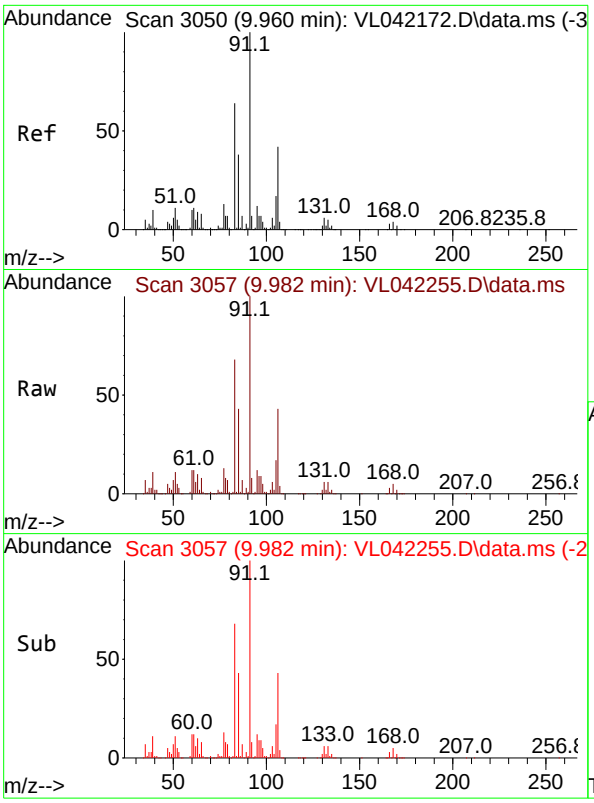


#62
Isopropylbenzene
Concen: 11.193 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 1063992

Ion	Ratio	Lower	Upper
105	100		
120	25.5	19.9	29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 12.139 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 83 Resp: 46885

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.2	32.5	97.5

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
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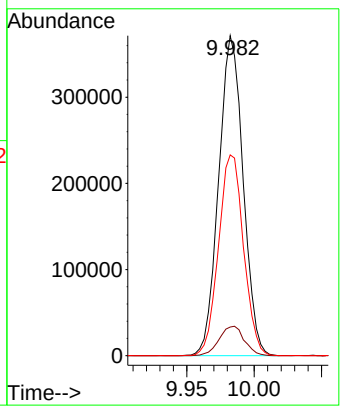
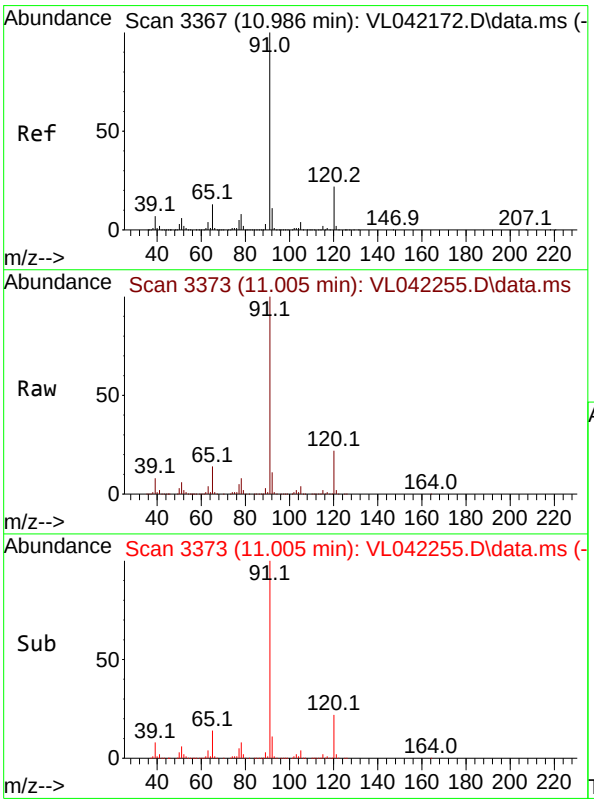
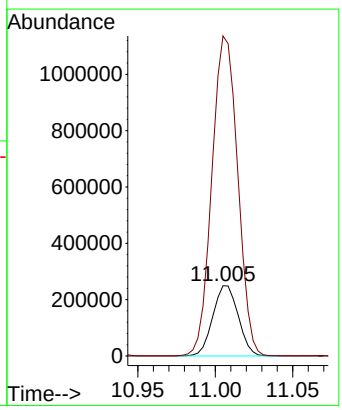


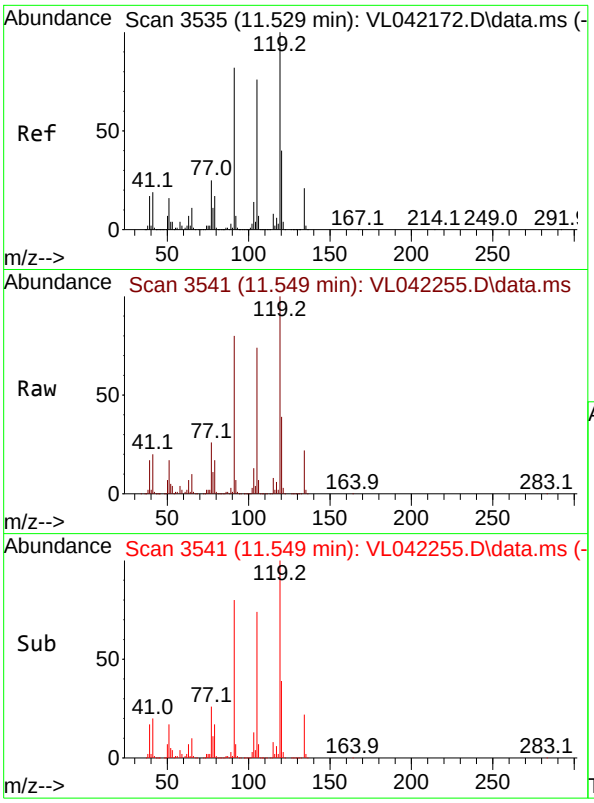


#64
n-propylbenzene
Concen: 11.638 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:120 Resp: 284790

Ion	Ratio	Lower	Upper
120	100		
91	462.1	376.9	565.3

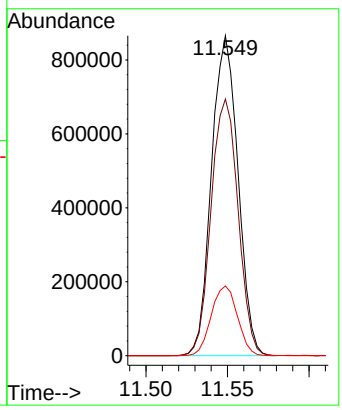




#65
tert-Butylbenzene
Concen: 11.112 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:119 Resp: 97687

Ion	Ratio	Lower	Upper
119	100		
91	81.9	66.0	99.0
134	21.5	16.7	25.1



Instrument :
MSVOA_L
ClientSampleId :
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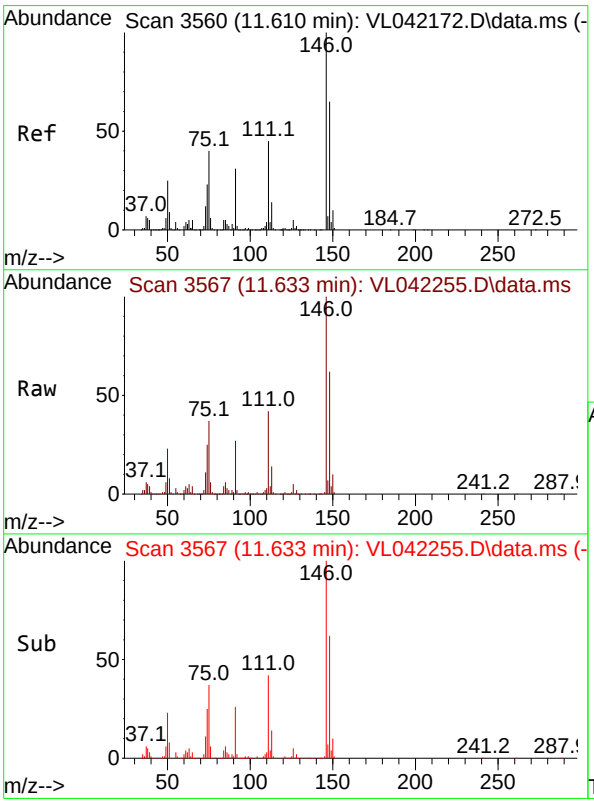
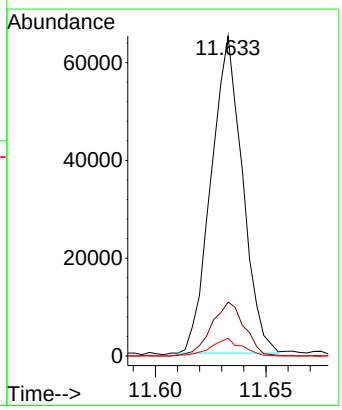
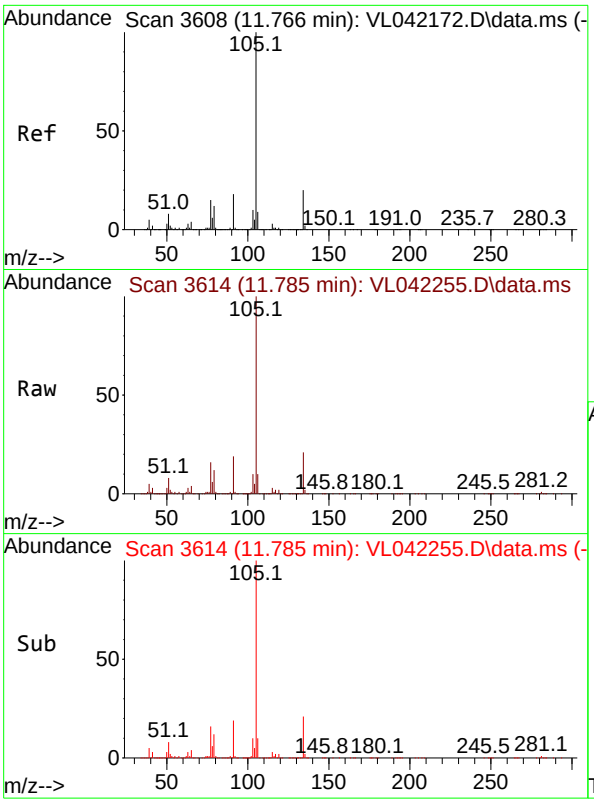


#66
Benzyl Chloride
Concen: 6.860 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 63988

Ion	Ratio	Lower	Upper
91	100		
126	17.9	13.8	20.6
128	5.5	4.5	6.7





#67
sec-Butylbenzene
Concen: 11.275 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 137772

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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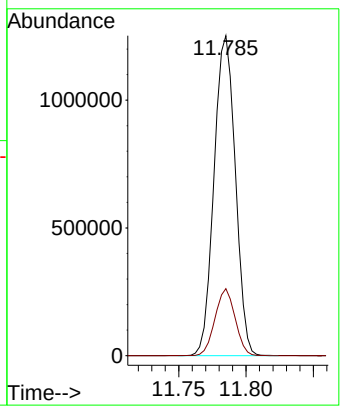
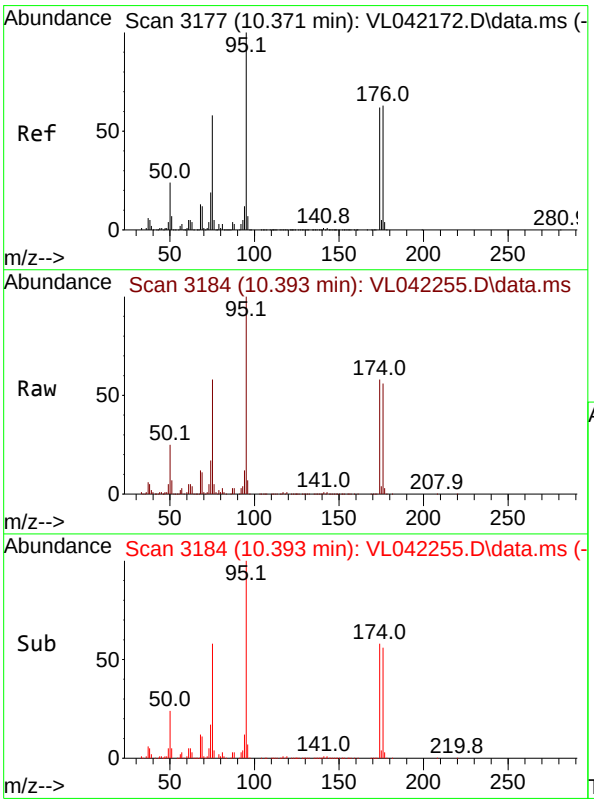
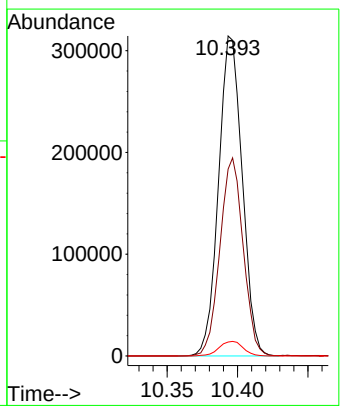


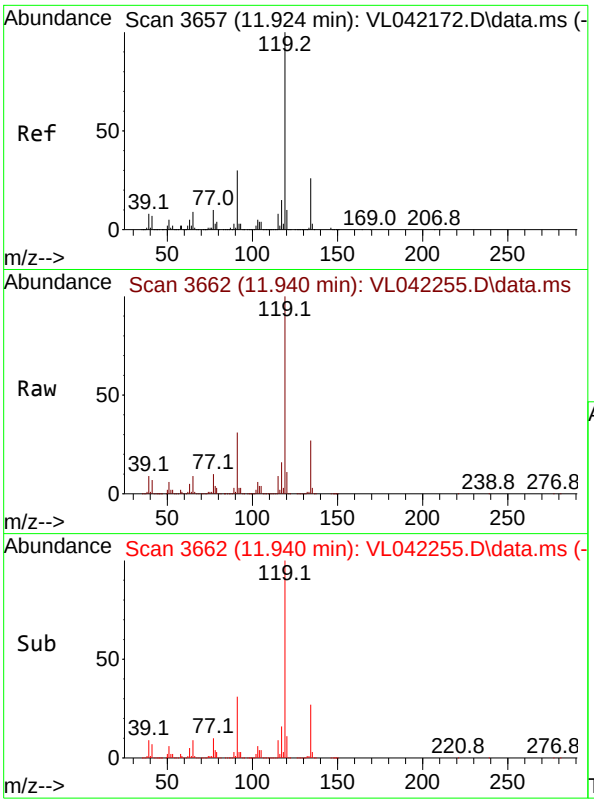


#68
1-Bromo-4-Fluorobenzene
Concen: 10.008 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 95 Resp: 367418

Ion	Ratio	Lower	Upper
95	100		
174	61.1	50.6	76.0
175	4.7	3.8	5.6

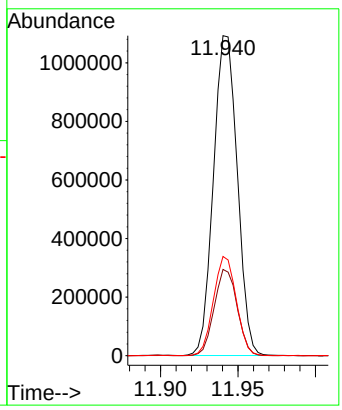




#69
p-Isopropyltoluene
Concen: 11.104 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:119 Resp: 116840

Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.4	30.6
91	29.9	23.7	35.5



Instrument :
MSVOA_L
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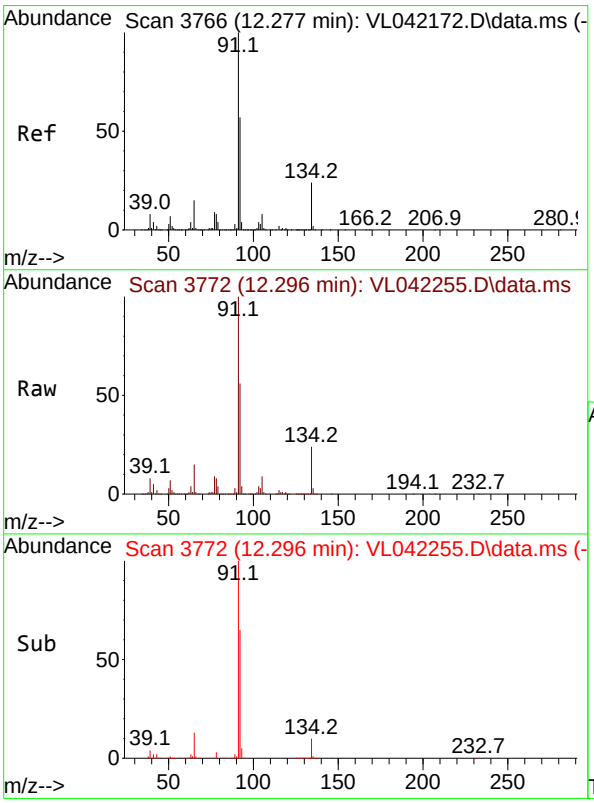
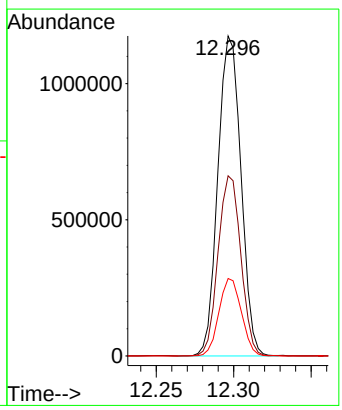
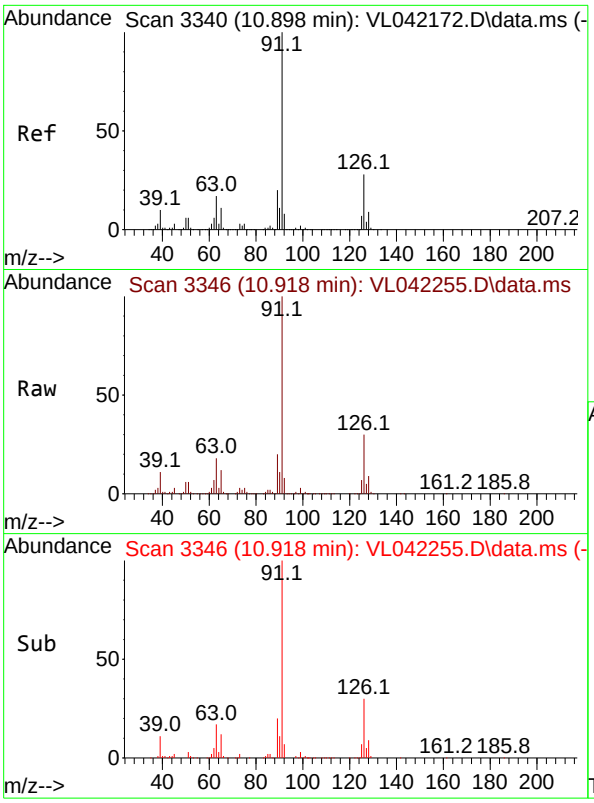


#70
n-Butylbenzene
Concen: 11.312 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 1217247

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.9	67.3
134	23.6	19.2	28.8

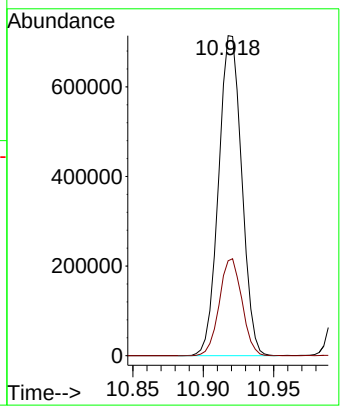




#71
2-Chlorotoluene
Concen: 11.078 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 81733

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.6	46.4



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

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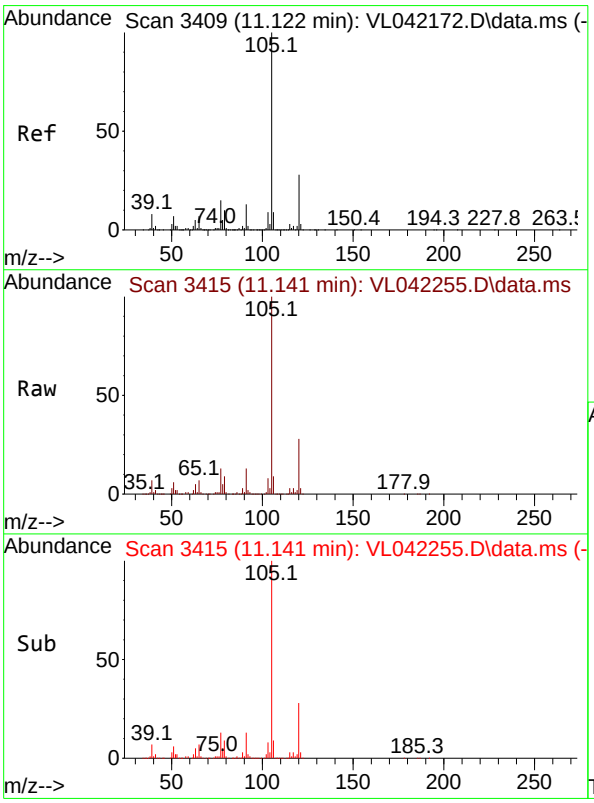
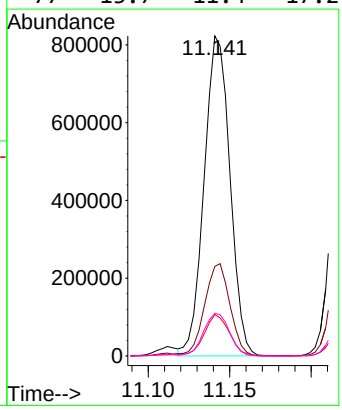
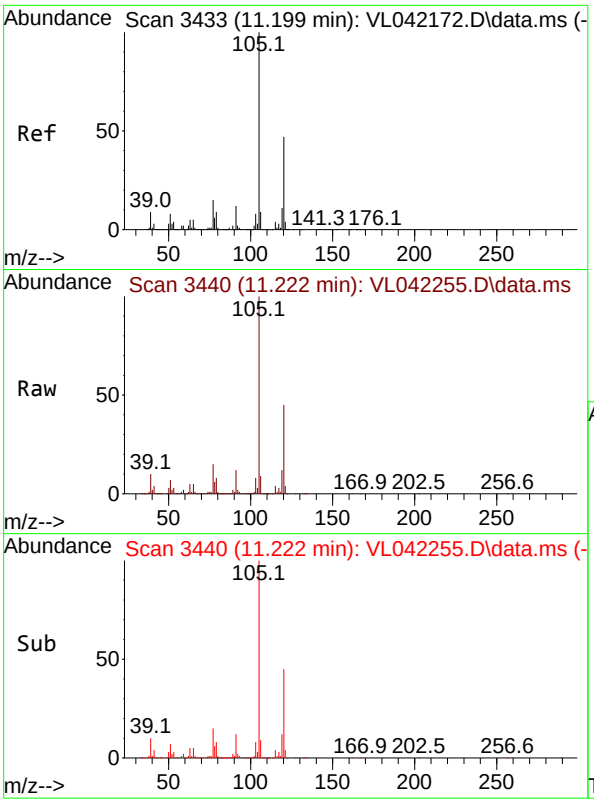


#72
4-Ethyltoluene
Concen: 11.460 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 906994

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.4	35.0
91	12.8	10.3	15.5
77	13.7	11.4	17.2





#73
1,3,5-Trimethylbenzene
Concen: 11.187 ppbv
RT: 11.222 min Scan# 34
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

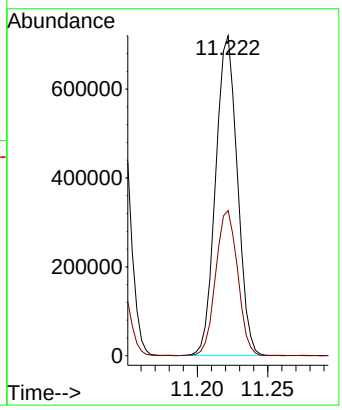
Tgt Ion:105 Resp: 77332

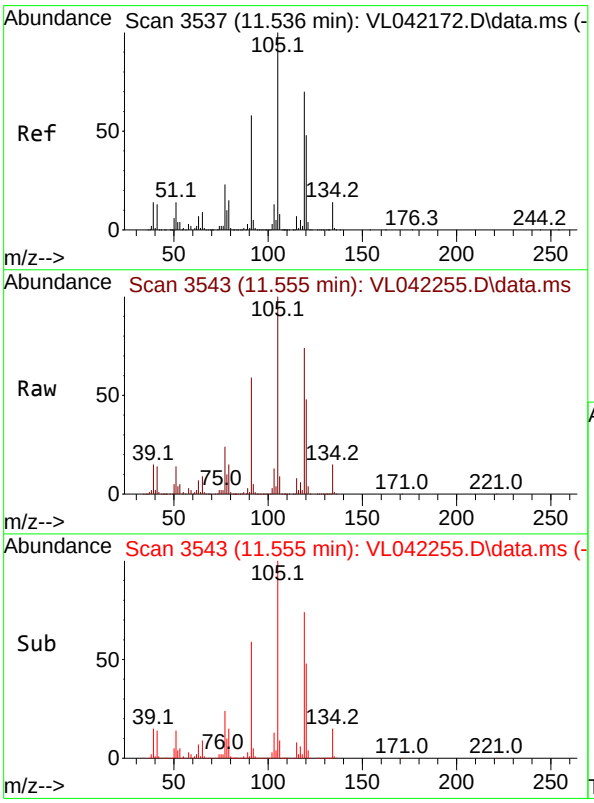
Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.4	56.0

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

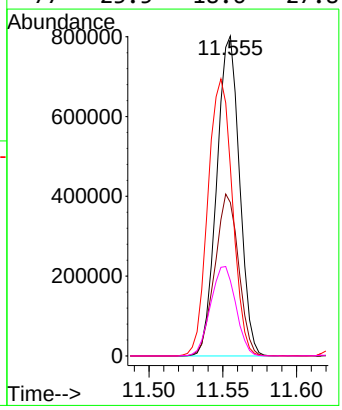


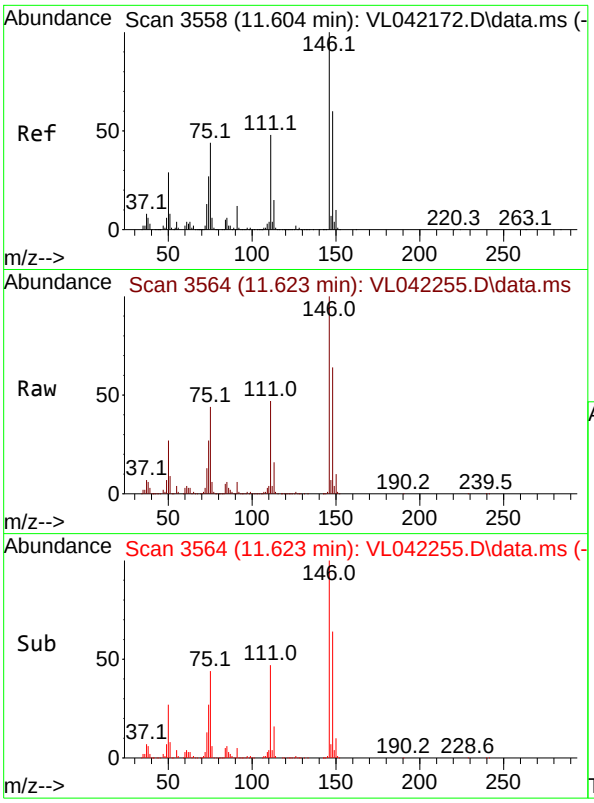


#74
1,2,4-Trimethylbenzene
Concen: 10.827 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 862179

Ion	Ratio	Lower	Upper
105	100		
120	47.9	38.6	58.0
91	59.0	46.2	69.2
77	23.5	18.6	27.8





#75
1,3-Dichlorobenzene
Concen: 11.739 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

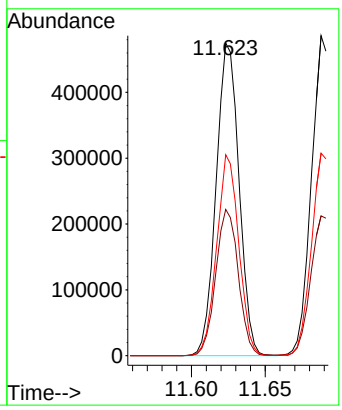
Tgt Ion:146 Resp: 51273

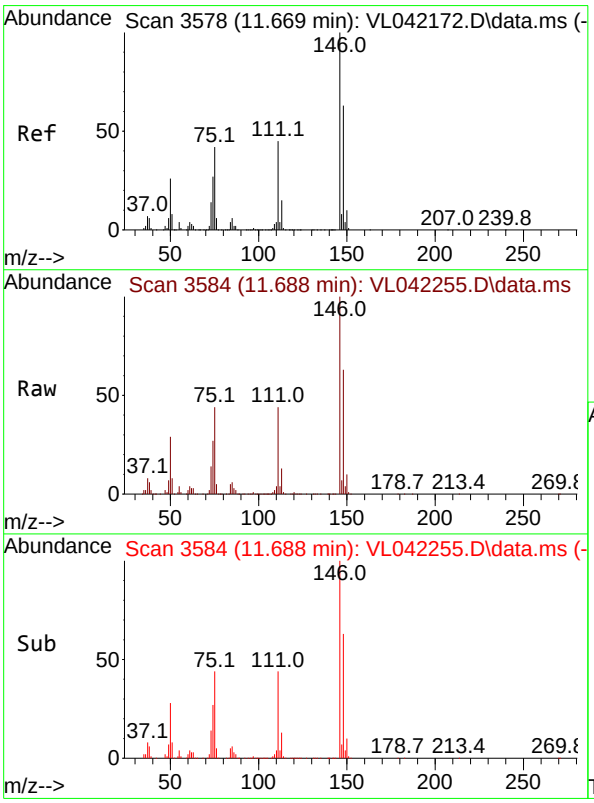
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.8	71.2
148	62.2	31.9	95.9

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

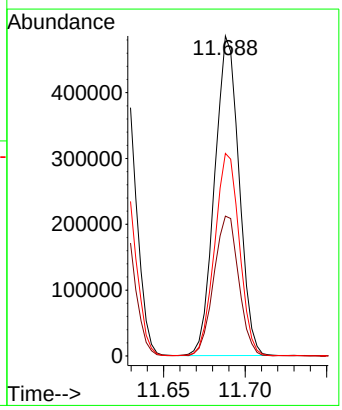


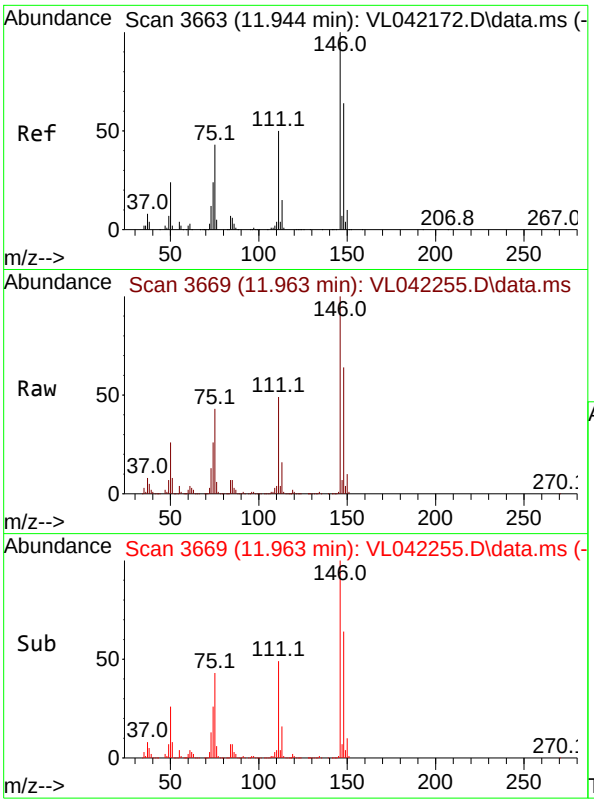


#76
1,4-Dichlorobenzene
Concen: 11.619 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:146 Resp: 505049

Ion	Ratio	Lower	Upper
146	100		
111	44.9	23.0	69.0
148	64.4	31.9	95.7





#77
1,2-Dichlorobenzene
Concen: 11.883 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

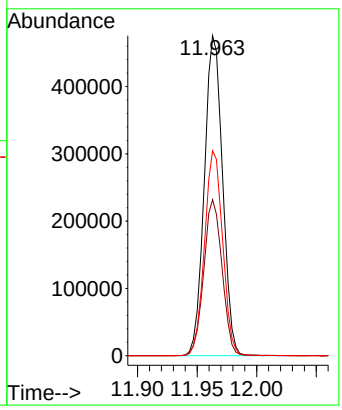
Tgt Ion:146 Resp: 50532

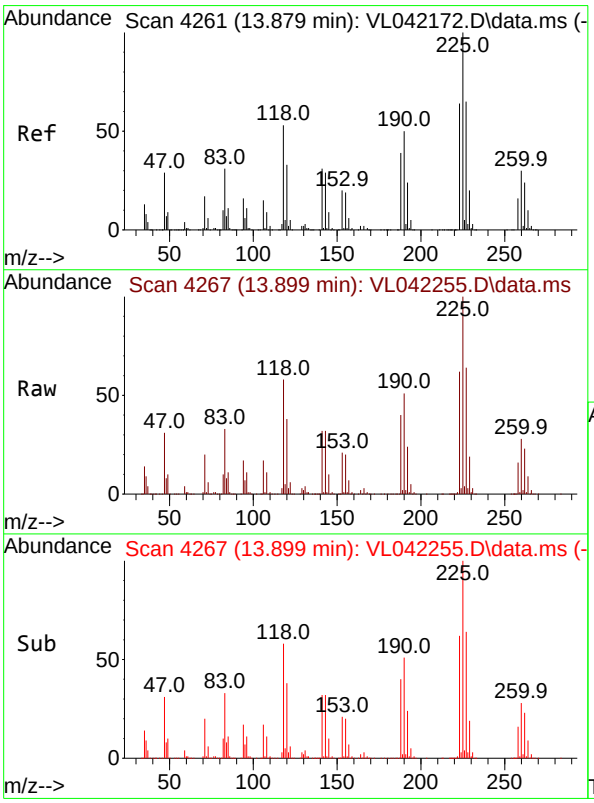
Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.8	74.3
148	63.8	31.6	94.8

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

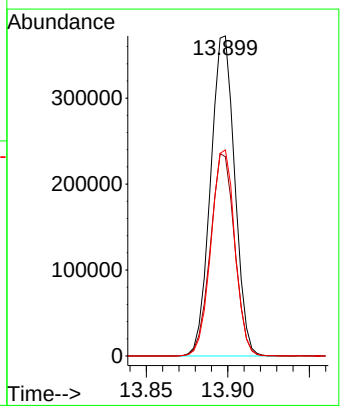


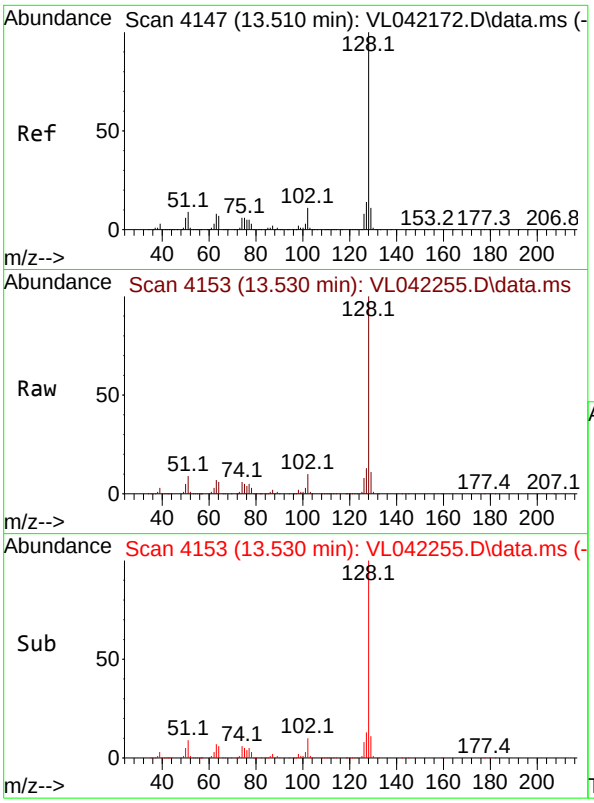


#78
Hexachloro-1,3-Butadiene
Concen: 8.845 ppbv
RT: 13.899 min Scan# 4267
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:225 Resp: 382876

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	63.4	51.2	76.8

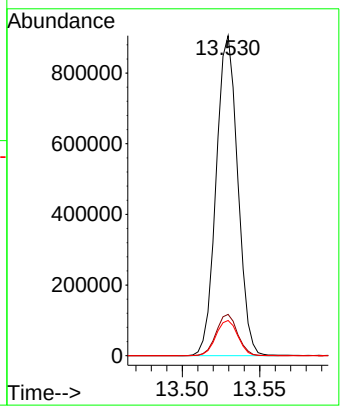




#79
Naphthalene
Concen: 10.055 ppbv
RT: 13.530 min Scan# 4
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:128 Resp: 87582

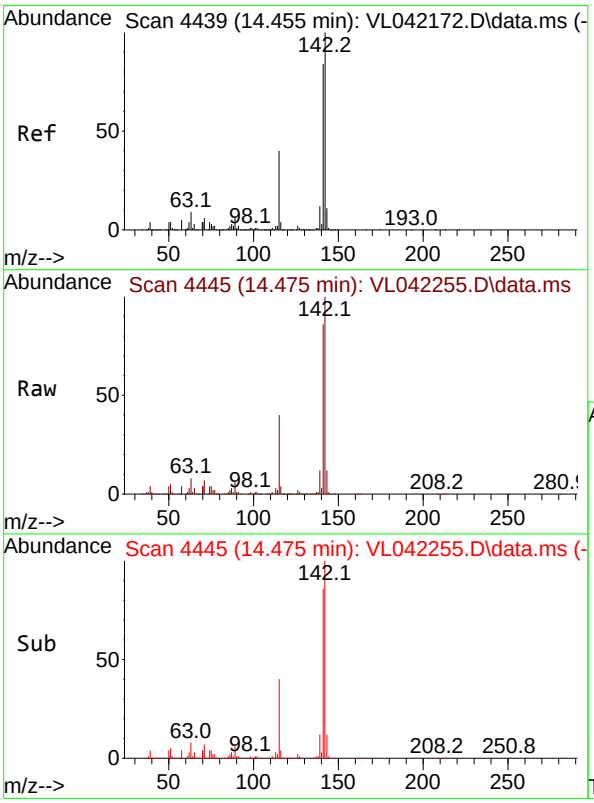
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	11.0	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
APPROVED

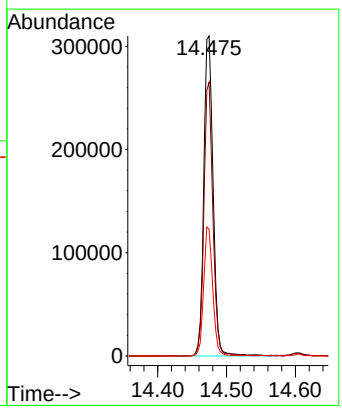
Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

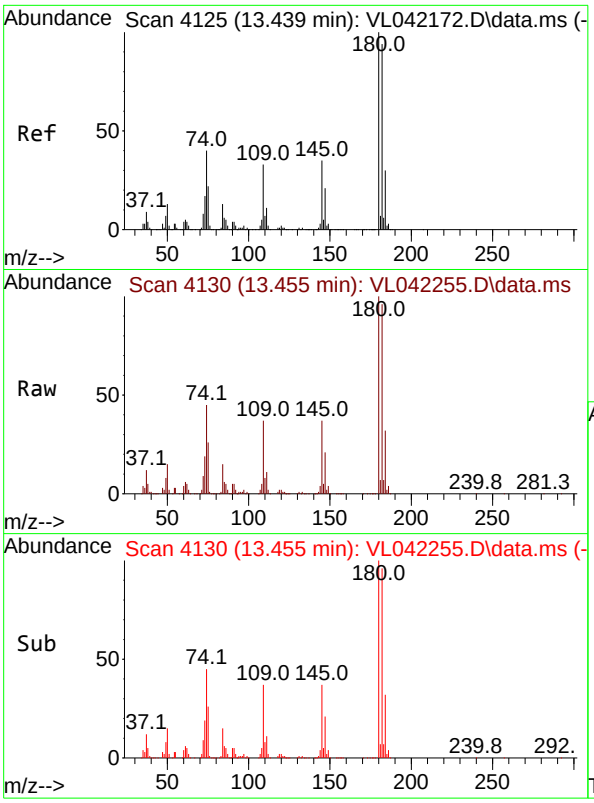


#80
Naphthalene,2-methyl-
Concen: 6.815 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:142 Resp: 291105

Ion	Ratio	Lower	Upper
142	100		
141	82.7	66.3	99.5
115	39.6	31.6	47.4

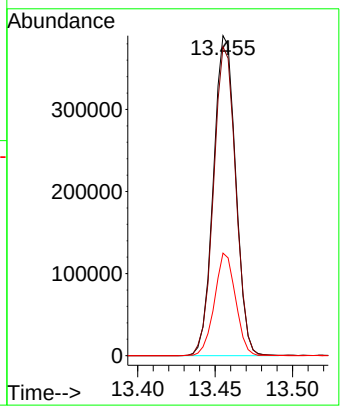




#81
1,2,4-Trichlorobenzene
Concen: 9.672 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:180 Resp: 38860

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.1	112.7
184	30.5	24.4	36.6



Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/09/2025
Supervised By :Mahesh Dadoda 04/09/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042232.D
Acq On : 07 Apr 2025 13:00
Operator : SY/MD
Sample : Q1725-04DUP
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 08 01:31:10 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 :
AA-1-03312025DUP

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	201241	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	543996	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	475092	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	378319	9.697	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	11976	0.403	ppbv	94
3) Chlorodifluoromethane	1.482	51	8058m	0.265	ppbv	
4) Chloromethane	1.541	50	6769	0.557	ppbv	96
9) Propene	1.492	41	5803	0.417	ppbv	100
10) Heptane	5.017	43	4336m	0.117	ppbv	
11) Trichlorofluoromethane	1.887	101	6183	0.214	ppbv	95
13) Ethanol	1.728	45	17233	13.103	ppbv	80
15) Acetone	1.845	43	145846	5.182	ppbv	95
19) Isopropyl Alcohol	1.897	45	16701	1.052	ppbv #	1
20) Methylene Chloride	2.072	84	4976	0.475	ppbv	95
26) Hexane	2.842	57	9327	0.331	ppbv #	36
34) 2-Butanone	2.576	43	19408	0.492	ppbv	96
35) Carbon Tetrachloride	3.790	117	2731m	0.064	ppbv	
36) Benzene	3.677	78	6934	0.129	ppbv #	95
50) 4-Methyl-2-Pentanone	5.803	43	7715m	0.123	ppbv	
53) Toluene	6.962	91	37601	0.588	ppbv	99
59) m/p-Xylene	9.551	91	14589m	0.217	ppbv	

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

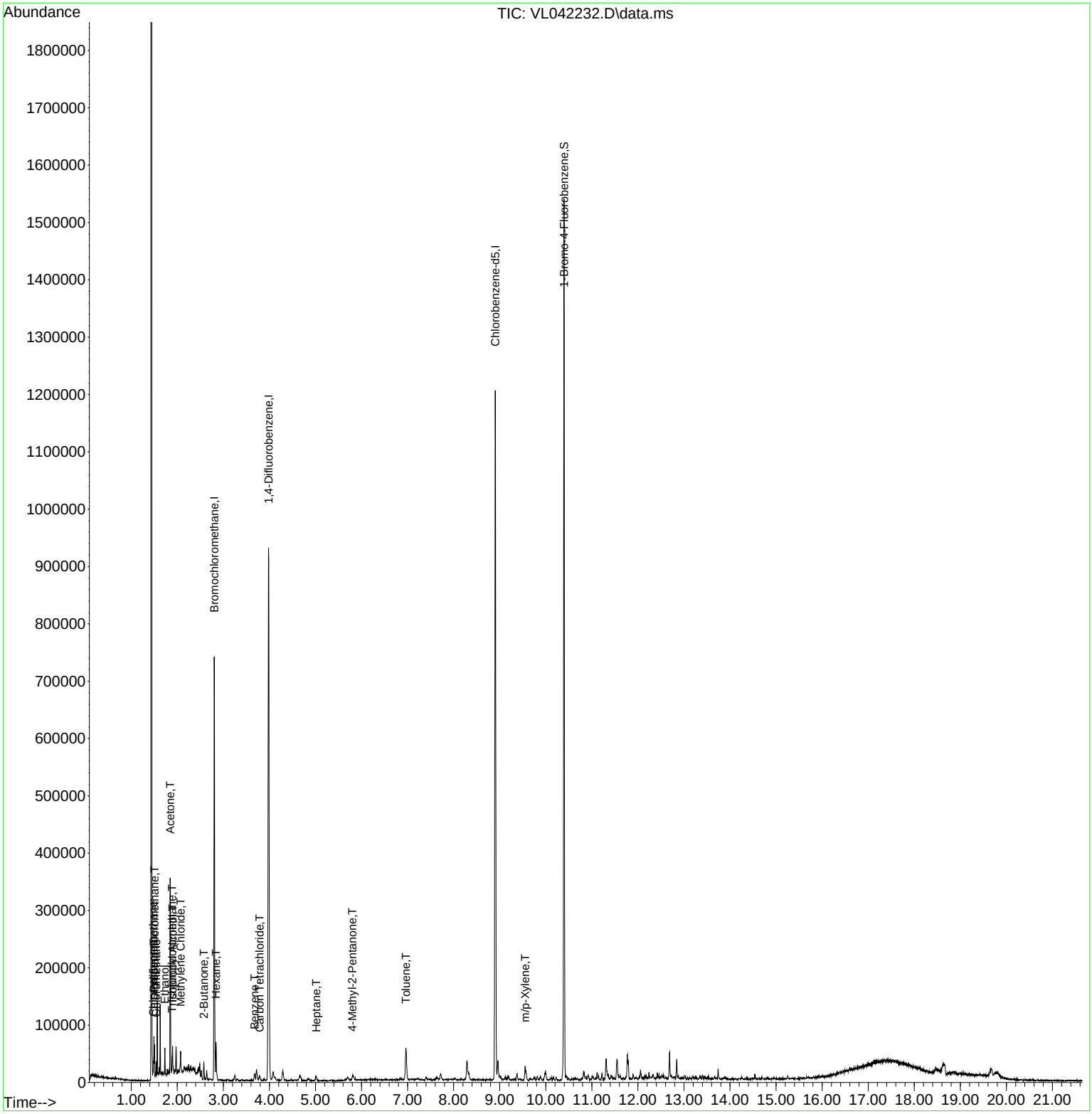
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042232.D
Acq On : 07 Apr 2025 13:00
Operator : SY/MD
Sample : Q1725-04DUP
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

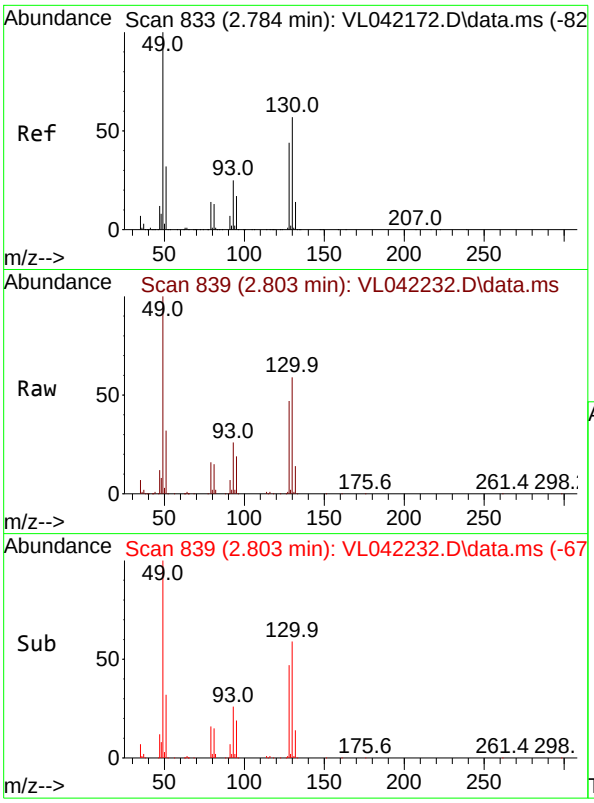
Quant Time: Apr 08 01:31:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

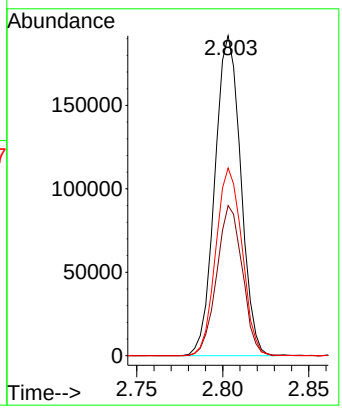
Tgt Ion: 49 Resp: 20124

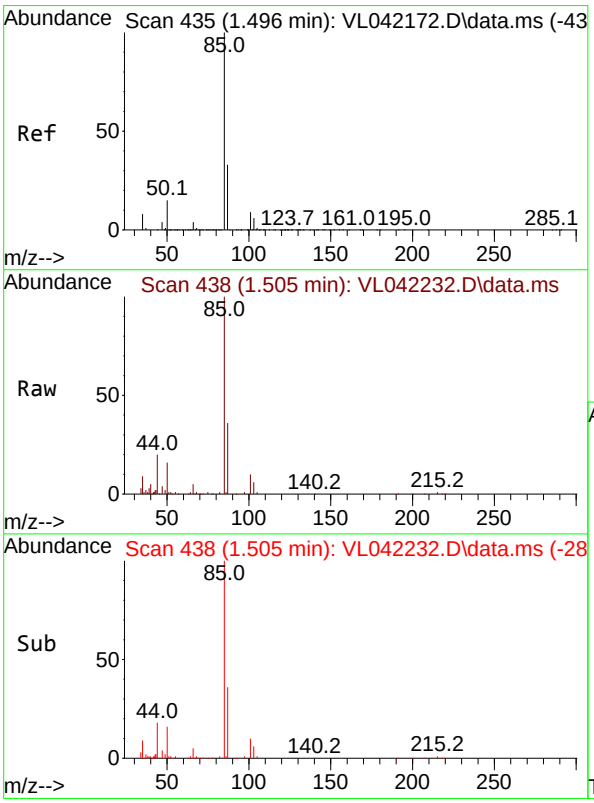
Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.9	68.5
130	59.2	28.8	86.4

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

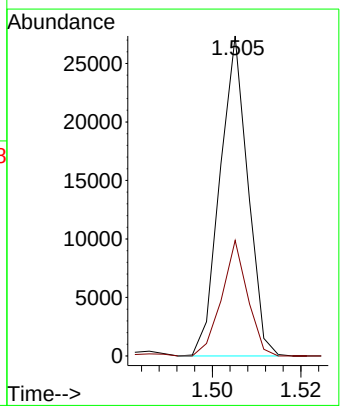


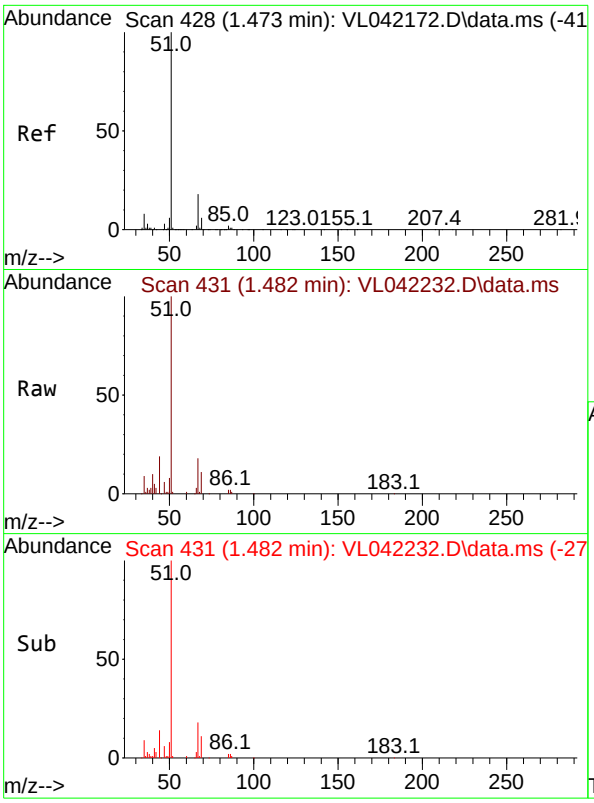


#2
Dichlorodifluoromethane
Concen: 0.403 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 85 Resp: 11976

Ion	Ratio	Lower	Upper
85	100		
87	36.1	26.1	39.1





#3
Chlorodifluoromethane
Concen: 0.265 ppbv m
RT: 1.482 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

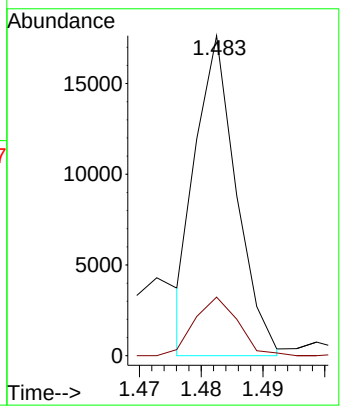
Tgt Ion: 51 Resp: 805

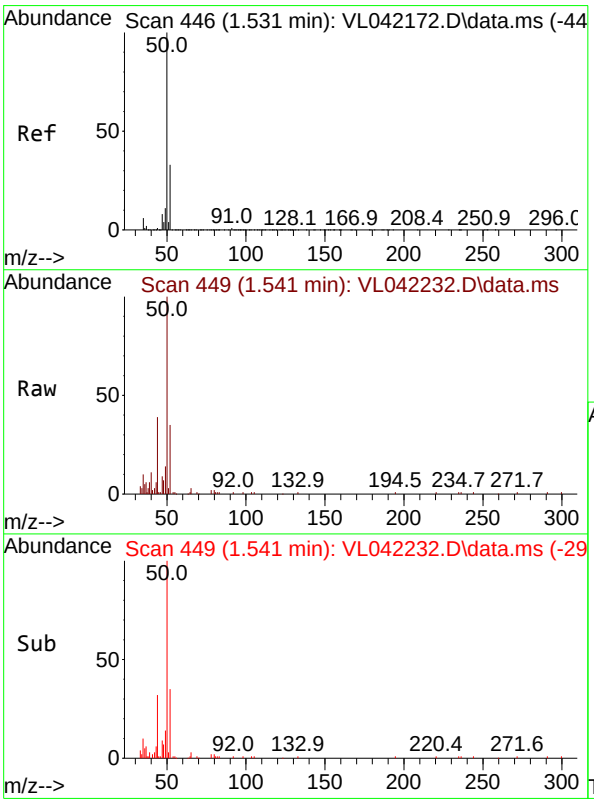
Ion	Ratio	Lower	Upper
51	100		
67	20.0	15.0	22.6

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

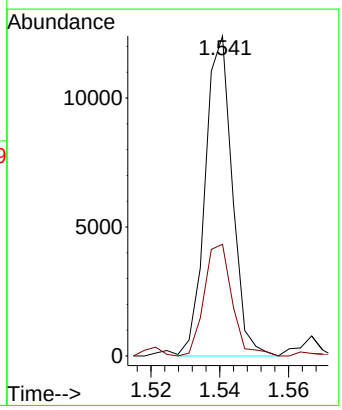


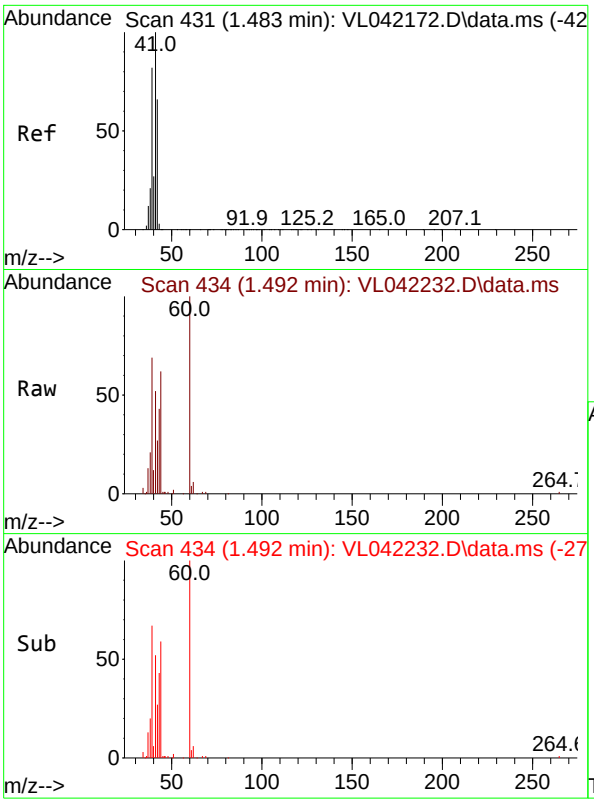


#4
Chloromethane
Concen: 0.557 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 50 Resp: 6769

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1





#9
Propene
Concen: 0.417 ppbv
RT: 1.492 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 41 Resp: 580

Ion	Ratio	Lower	Upper
41	100		
42	69.5	55.4	83.2

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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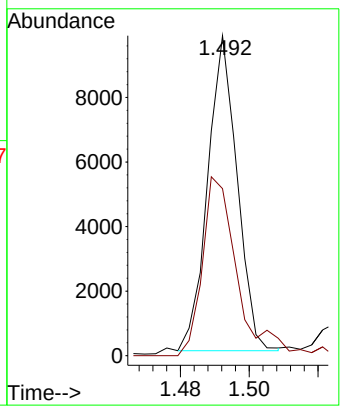
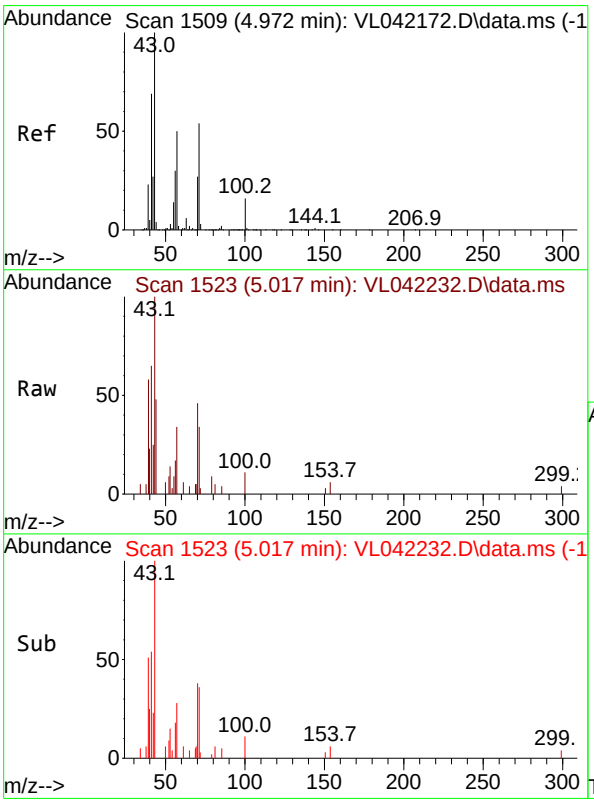
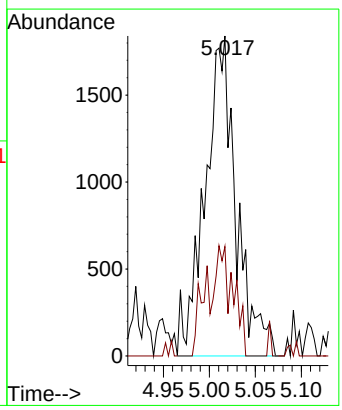


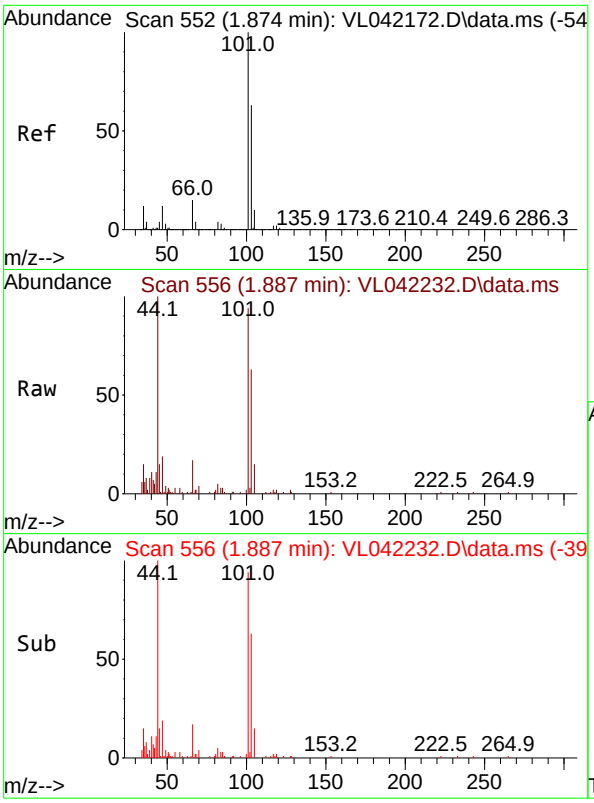


#10
Heptane
Concen: 0.117 ppbv m
RT: 5.017 min Scan# 1523
Delta R.T. 0.045 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 43 Resp: 4336

Ion	Ratio	Lower	Upper
43	100		
57	29.5	39.4	59.2#





#11
Trichlorofluoromethane
Concen: 0.214 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion:101 Resp: 618

Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.2	75.2

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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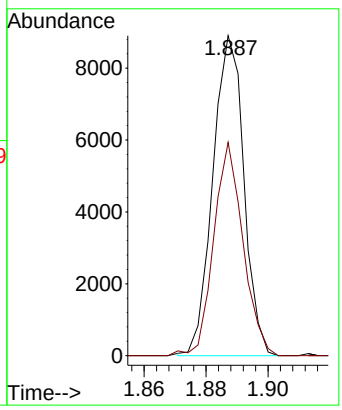
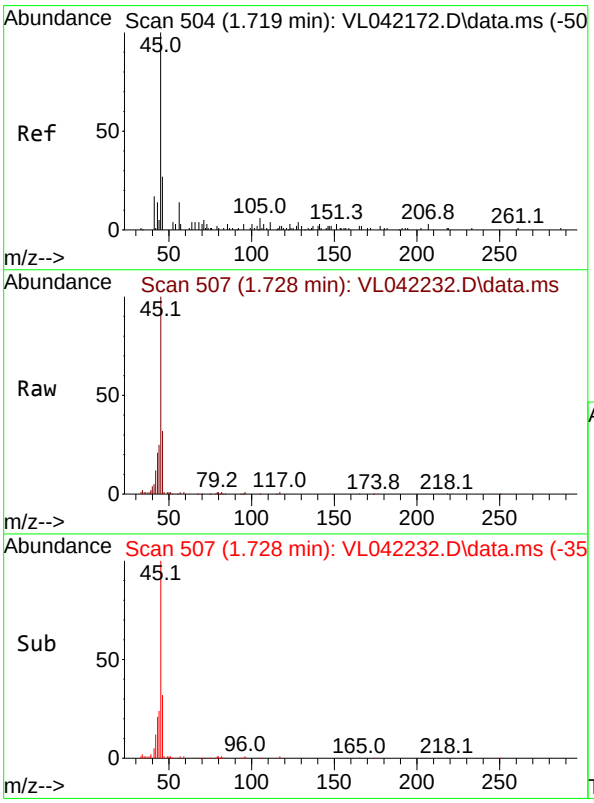
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

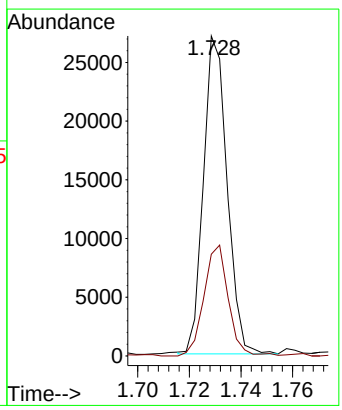


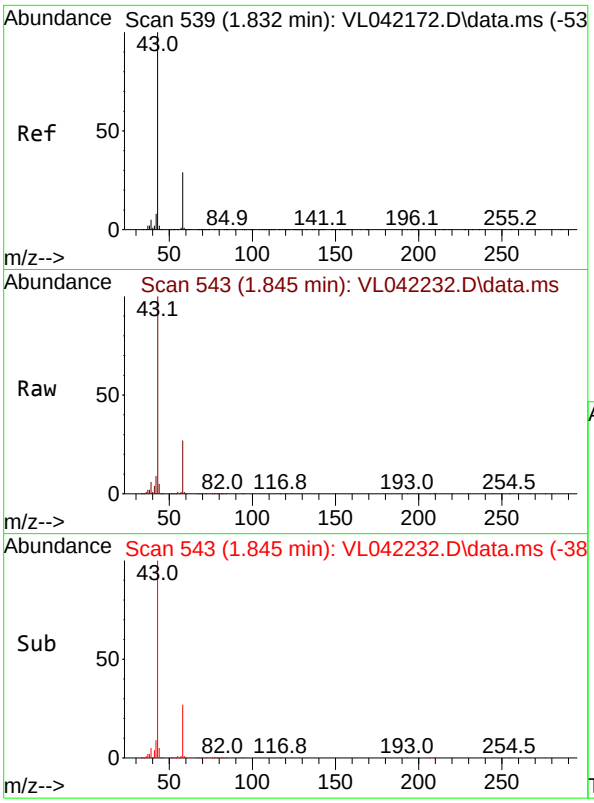


#13
Ethanol
Concen: 13.103 ppbv
RT: 1.728 min Scan# 507
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 45 Resp: 17233

Ion	Ratio	Lower	Upper
45	100		
46	36.8	20.2	80.8





#15
Acetone
Concen: 5.182 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 43 Resp: 14584

Ion	Ratio	Lower	Upper
43	100		
58	26.2	23.2	34.8

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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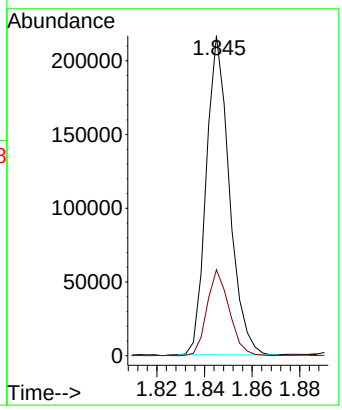
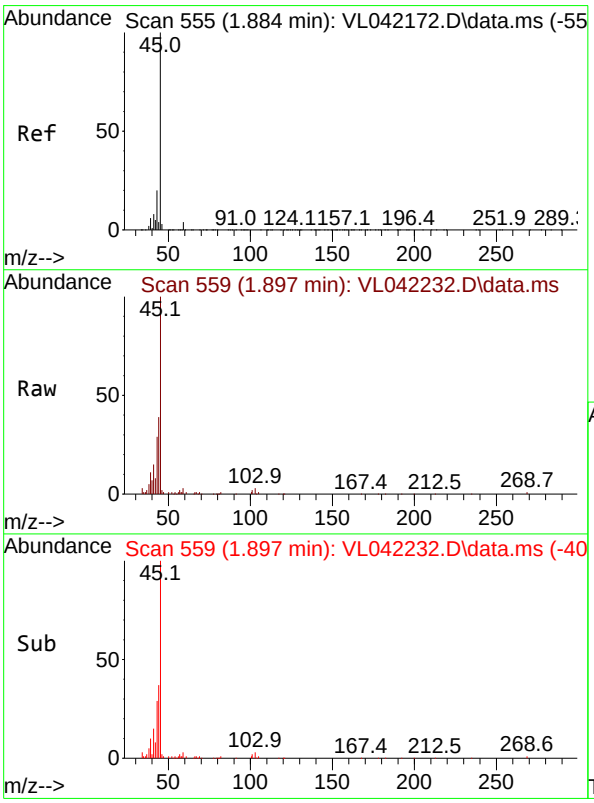
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

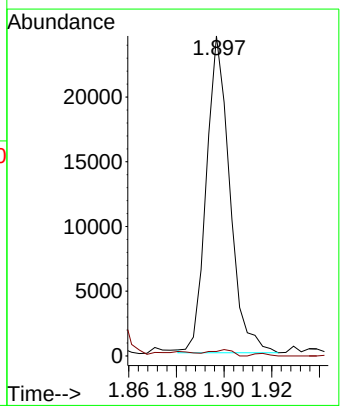


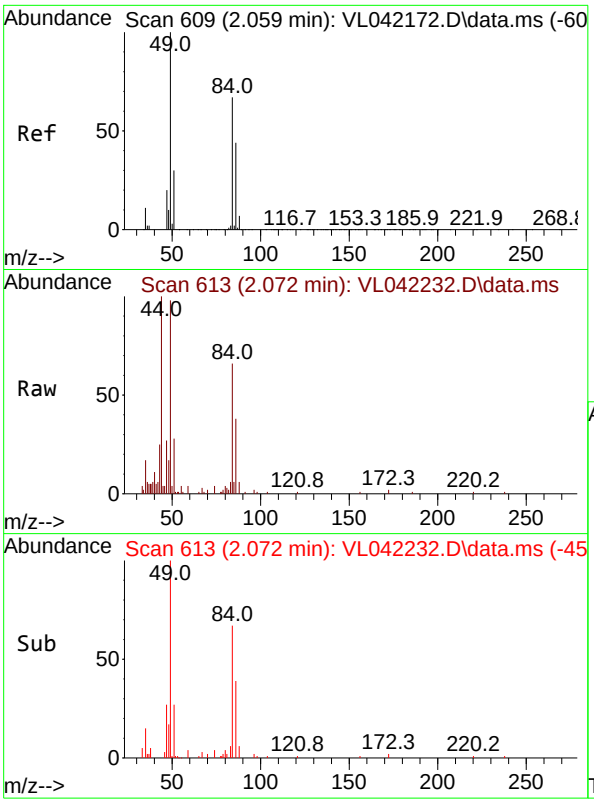


#19
Isopropyl Alcohol
Concen: 1.052 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 45 Resp: 16701

Ion	Ratio	Lower	Upper
45	100		
58	231.5	36.9	55.3#

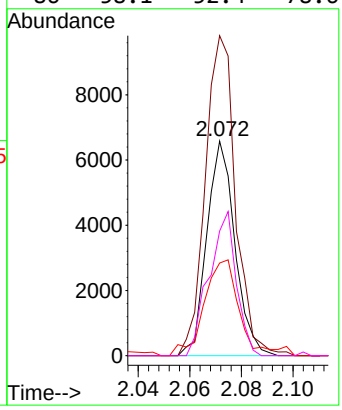




#20
Methylene Chloride
Concen: 0.475 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 84 Resp: 497

Ion	Ratio	Lower	Upper
84	100		
49	149.2	120.2	180.4
51	40.2	37.4	56.0
86	58.1	52.4	78.6



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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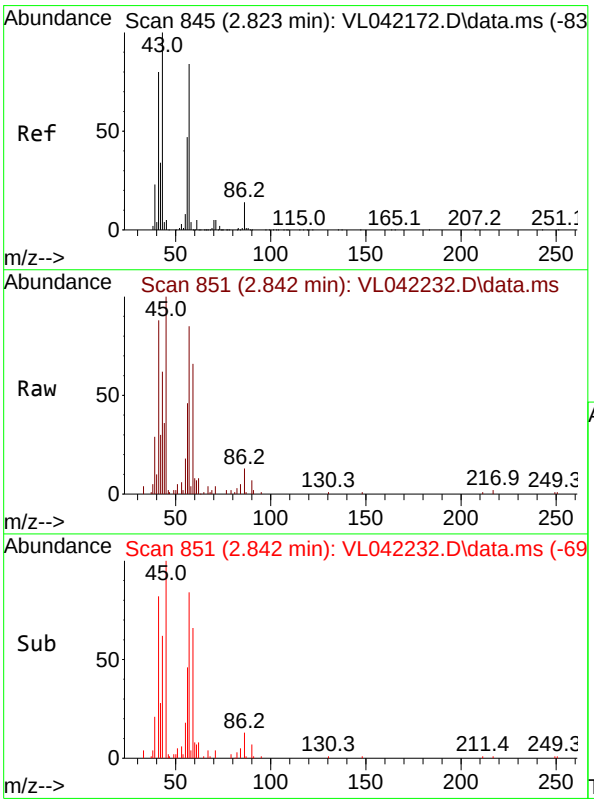
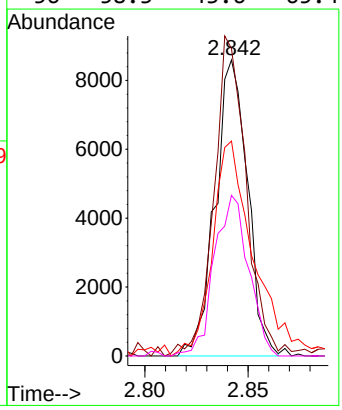
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

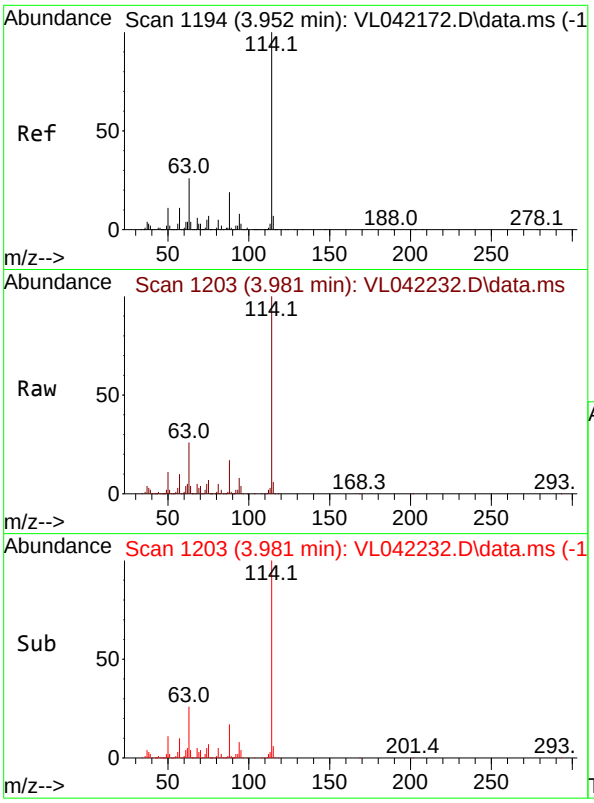


#26
Hexane
Concen: 0.331 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 57 Resp: 9327

Ion	Ratio	Lower	Upper
57	100		
41	111.0	76.6	114.8
43	92.0	207.8	311.8#
56	58.3	43.6	65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion:114 Resp: 54399

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	17.7	15.0	22.4

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/08/2025
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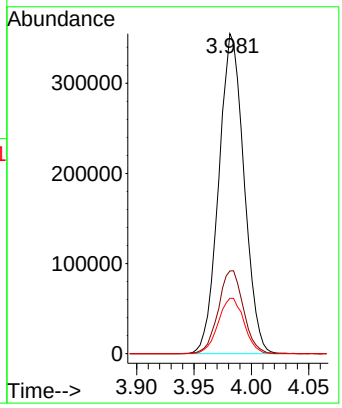
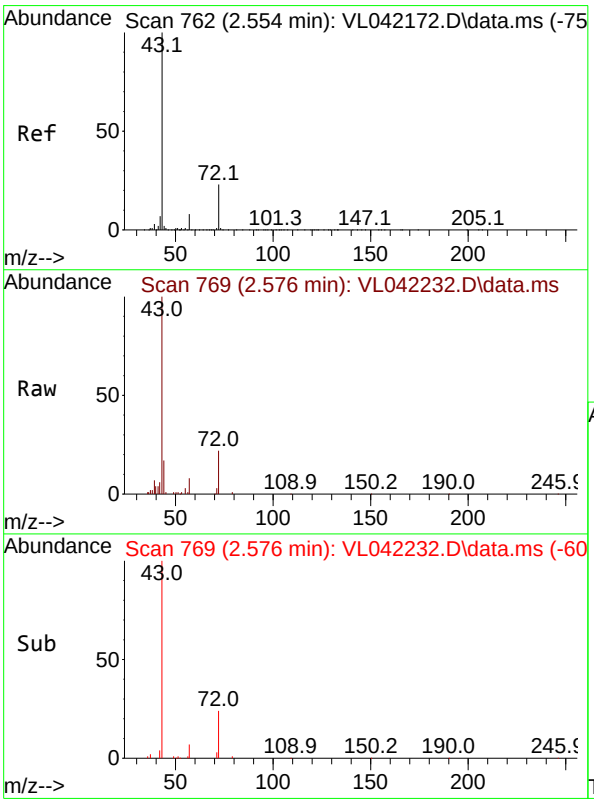
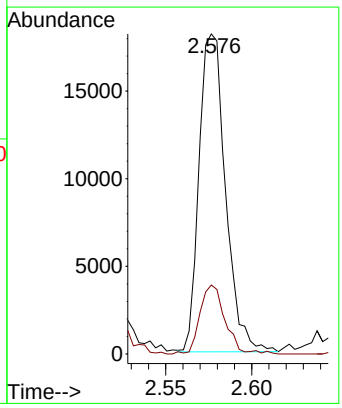


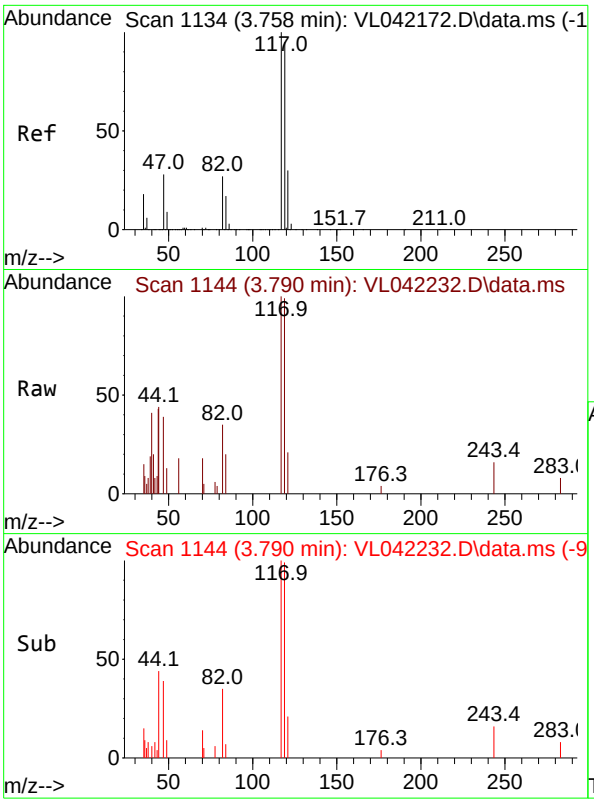


#34
2-Butanone
Concen: 0.492 ppbv
RT: 2.576 min Scan# 769
Delta R.T. 0.022 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 43 Resp: 19408

Ion	Ratio	Lower	Upper
43	100		
72	20.7	18.2	27.2





#35
Carbon Tetrachloride
Concen: 0.064 ppbv m
RT: 3.790 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion:117 Resp: 273

Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.2	114.2
121	21.2	24.2	36.4#

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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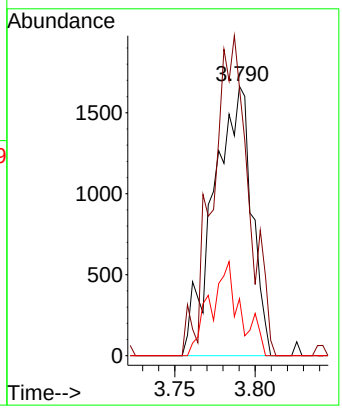
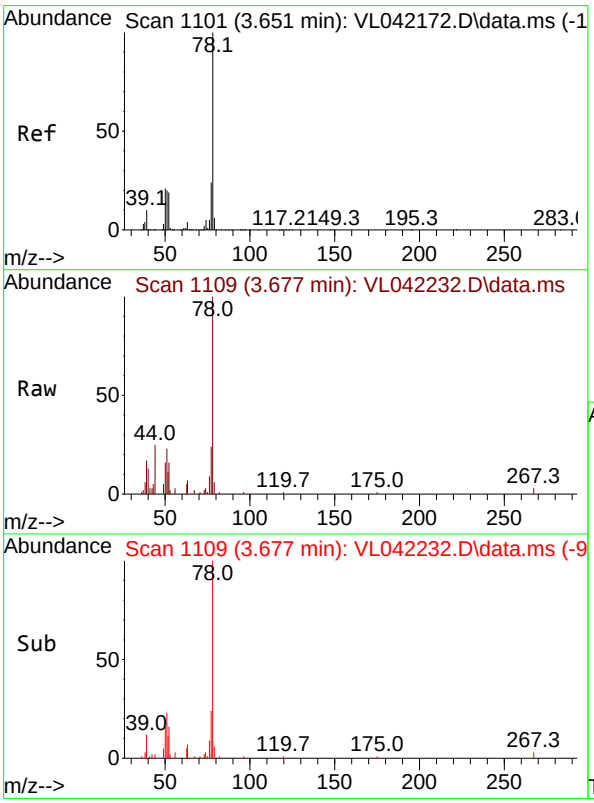
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

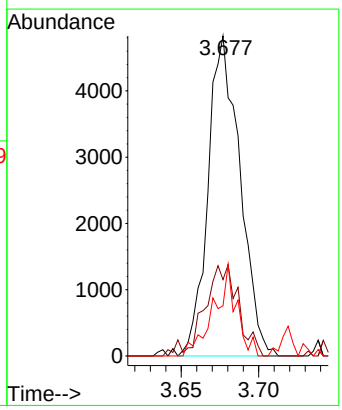


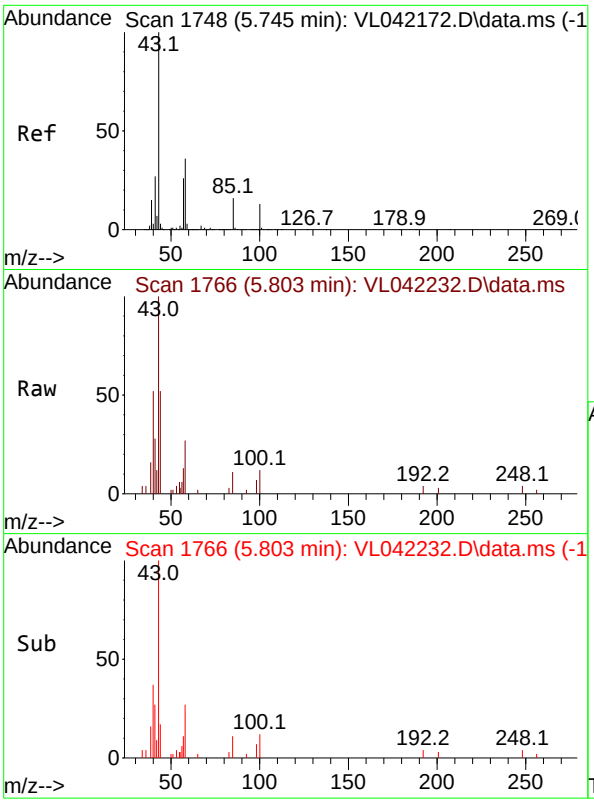


#36
Benzene
Concen: 0.129 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 78 Resp: 6934

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
50	15.7	16.6	24.8#

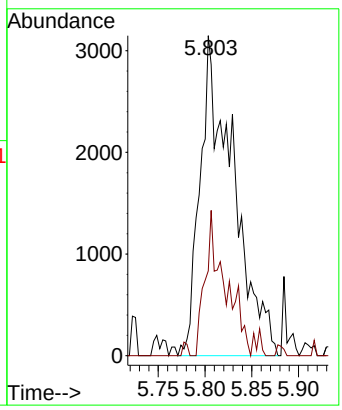




#50
4-Methyl-2-Pentanone
Concen: 0.123 ppbv m
RT: 5.803 min Scan# 1
Delta R.T. 0.058 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 43 Resp: 771

Ion	Ratio	Lower	Upper
43	100		
58	29.8	29.0	43.6



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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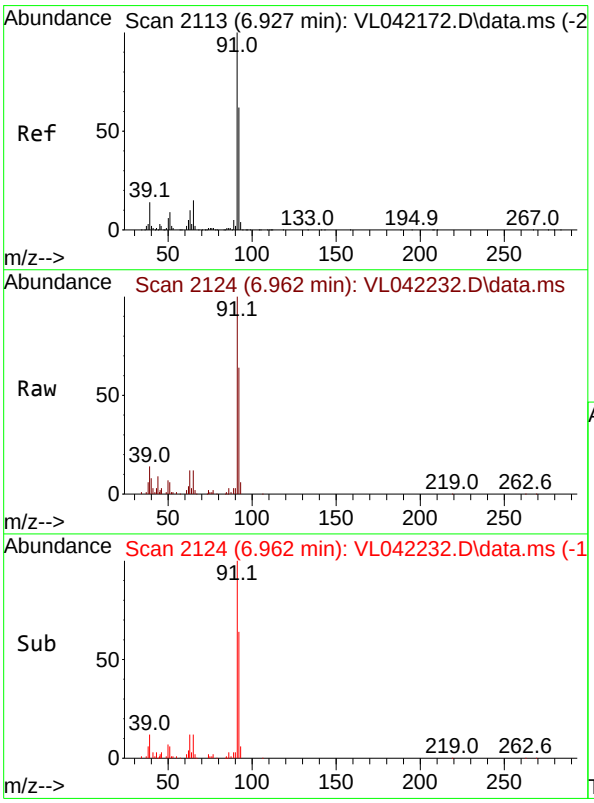
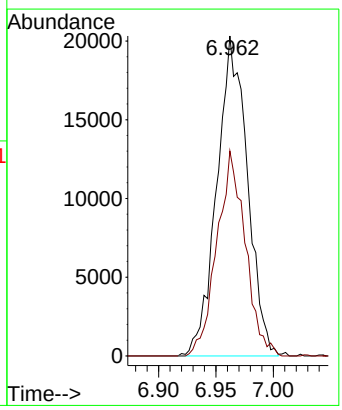
Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

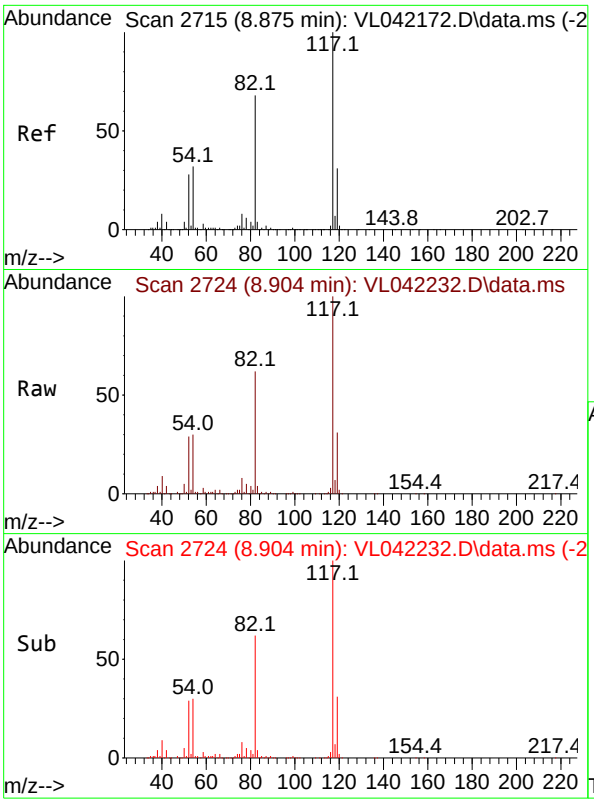


#53
Toluene
Concen: 0.588 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.035 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 91 Resp: 37601

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.4	72.6

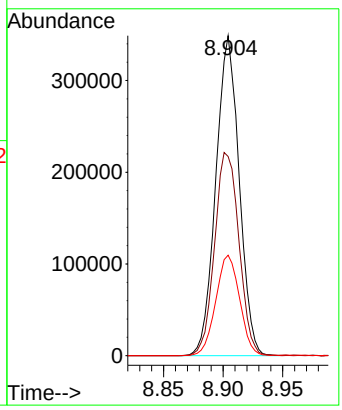




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion:117 Resp: 47509

Ion	Ratio	Lower	Upper
117	100		
82	66.4	55.8	83.6
119	32.2	25.5	38.3



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/08/2025
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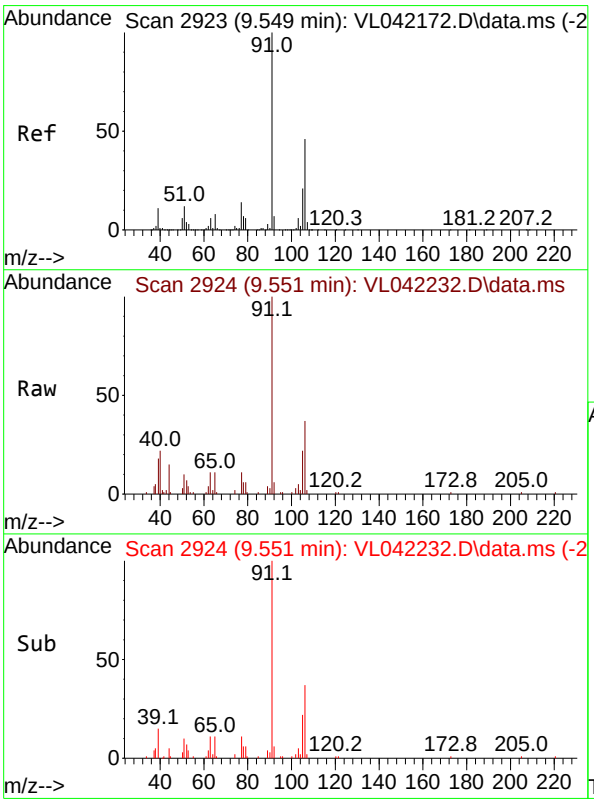
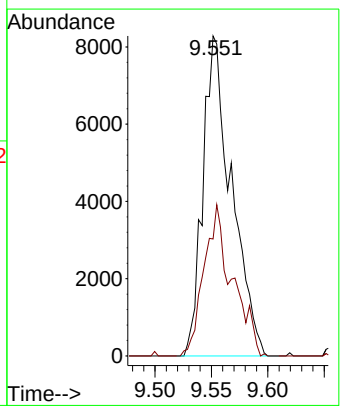
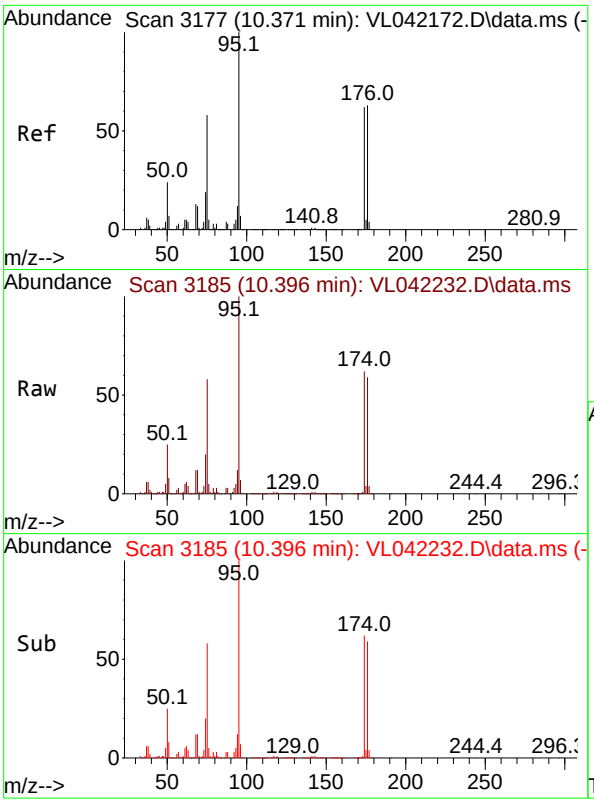


#59
m/p-Xylene
Concen: 0.217 ppbv m
RT: 9.551 min Scan# 2924
Delta R.T. 0.003 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 91 Resp: 14589

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

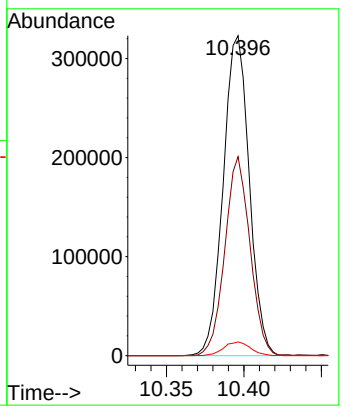




#68
1-Bromo-4-Fluorobenzene
Concen: 9.697 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 95 Resp: 37831

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.5	3.8	5.6



Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/08/2025
Supervised By :Mahesh Dadoda 04/09/2025

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

Manual Integration Report

Sequence:	vl032725	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042172.D	m/p-Xylene	SAM	3/31/2025 11:24:55 AM	MMDadoda	4/3/2025 8:05:09 AM	Peak Integrated by Software
VSTDICC002	VL042173.D	1,4-Dioxane	SAM	3/31/2025 11:25:00 AM	MMDadoda	4/3/2025 8:05:13 AM	Peak Integrated by Software
VSTDICC002	VL042173.D	Ethanol	SAM	3/31/2025 11:25:00 AM	MMDadoda	4/3/2025 8:05:13 AM	Peak Integrated by Software
VSTDICC002	VL042173.D	m/p-Xylene	SAM	3/31/2025 11:25:00 AM	MMDadoda	4/3/2025 8:05:13 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	1,4-Dioxane	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	4-Methyl-2-Pentanone	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	Ethanol	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	m/p-Xylene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	Methyl Methacrylate	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	Propene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	t-1,3-Dichloropropene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	trans-1,2-Dichloroethene	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software
VSTDICC001	VL042174.D	Vinyl Acetate	SAM	3/31/2025 11:26:28 AM	MMDadoda	4/3/2025 8:05:22 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl032725	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042175.D	1,1,2-Trichloroethane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	1,4-Dioxane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	cis-1,3-Dichloropropene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Cyclohexane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	m/p-Xylene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Methyl Methacrylate	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Propene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Tetrahydrofuran	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Trichloroethene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	1,1,1-Trichloroethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	1,1,2,2-Tetrachloroethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	1,2-Dibromoethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	Carbon Tetrachloride	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl032725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL042176.D	Trichloroethene	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	1,1,1-Trichloroethane	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	1,1,2,2-Tetrachloroethane	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Carbon Tetrachloride	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Tetrachloroethene	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Trichloroethene	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Vinyl Chloride	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC015	VL042178.D	m/p-Xylene	SAM	3/31/2025 11:25:14 AM	MMDadoda	4/3/2025 8:06:09 AM	Peak Integrated by Software
VSTDICV010	VL042179.D	m/p-Xylene	SAM	3/31/2025 11:28:50 AM	MMDadoda	4/3/2025 8:06:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl040725	Instrument	MSVOA_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042228.D	Heptane	SAM	4/8/2025 8:57:24 AM	MMDadoda	4/9/2025 9:32:17 AM	Peak Integrated by Software
VSTDCCC010	VL042228.D	m/p-Xylene	SAM	4/8/2025 8:57:24 AM	MMDadoda	4/9/2025 9:32:17 AM	Peak Integrated by Software
VL0407ABS01	VL042230.D	m/p-Xylene	SAM	4/8/2025 8:57:31 AM	MMDadoda	4/9/2025 9:32:21 AM	Peak Integrated by Software
Q1725-04	VL042231.D	4-Methyl-2-Pentanone	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software
Q1725-04	VL042231.D	Carbon Tetrachloride	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software
Q1725-04	VL042231.D	Chlorodifluoromethane	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software
Q1725-04	VL042231.D	Heptane	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software
Q1725-04	VL042231.D	Toluene	SAM	4/8/2025 8:57:51 AM	MMDadoda	4/9/2025 9:32:25 AM	Peak Integrated by Software
Q1725-04DUP	VL042232.D	4-Methyl-2-Pentanone	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software
Q1725-04DUP	VL042232.D	Chlorodifluoromethane	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software
Q1725-04DUP	VL042232.D	Heptane	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software
Q1725-04DUP	VL042232.D	m/p-Xylene	SAM	4/8/2025 8:58:38 AM	MMDadoda	4/9/2025 9:32:29 AM	Peak Integrated by Software
Q1725-01	VL042234.D	Carbon Tetrachloride	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl040725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1725-01	VL042234.D	Chlorodifluoromethane	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software
Q1725-01	VL042234.D	Ethanol	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software
Q1725-01	VL042234.D	Heptane	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software
Q1725-01	VL042234.D	Hexane	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software
Q1725-01	VL042234.D	Tetrachloroethene	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software
Q1725-01	VL042234.D	Trichloroethene	SAM	4/8/2025 8:58:43 AM	MMDadoda	4/9/2025 9:32:49 AM	Peak Integrated by Software
Q1725-02	VL042235.D	Benzene	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software
Q1725-02	VL042235.D	Bromodichloromethane	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software
Q1725-02	VL042235.D	Chlorobenzene	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software
Q1725-02	VL042235.D	Heptane	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software
Q1725-02	VL042235.D	Propene	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software
Q1725-02	VL042235.D	tert-Butyl alcohol	SAM	4/8/2025 9:26:36 AM	MMDadoda	4/9/2025 9:32:56 AM	Peak Integrated by Software
Q1725-02DL	VL042236.D	Carbon Tetrachloride	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl040725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1725-02DL	VL042236.D	Methylene Chloride	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software
Q1725-02DL	VL042236.D	Tetrachloroethene	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software
Q1725-02DL	VL042236.D	Toluene	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software
Q1725-02DL	VL042236.D	Trichloroethene	SAM	4/8/2025 8:58:49 AM	MMDadoda	4/9/2025 9:33:00 AM	Peak Integrated by Software
Q1725-05DL	VL042239.D	Ethanol	SAM	4/8/2025 9:26:41 AM	MMDadoda	4/9/2025 9:33:12 AM	Peak Integrated by Software
Q1725-07DL	VL042241.D	m/p-Xylene	SAM	4/8/2025 8:58:21 AM	MMDadoda	4/9/2025 9:33:30 AM	Peak Integrated by Software
Q1725-07DL	VL042241.D	Toluene	SAM	4/8/2025 8:58:21 AM	MMDadoda	4/9/2025 9:33:30 AM	Peak Integrated by Software
Q1725-02DL2	VL042243.D	Carbon Tetrachloride	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software
Q1725-02DL2	VL042243.D	Ethanol	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software
Q1725-02DL2	VL042243.D	Tetrachloroethene	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software
Q1725-02DL2	VL042243.D	Trichloroethene	SAM	4/8/2025 8:59:08 AM	MMDadoda	4/9/2025 9:33:38 AM	Peak Integrated by Software
Q1725-03DL	VL042244.D	Ethanol	SAM	4/8/2025 8:59:12 AM	MMDadoda	4/9/2025 9:33:41 AM	Peak Integrated by Software
Q1725-03DL	VL042244.D	Toluene	SAM	4/8/2025 8:59:12 AM	MMDadoda	4/9/2025 9:33:41 AM	Peak Integrated by Software

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Sequence:	vl040725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1725-05	VL042245.D	Carbon Tetrachloride	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software
Q1725-05	VL042245.D	Chlorodifluoromethane	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software
Q1725-05	VL042245.D	Ethanol	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software
Q1725-05	VL042245.D	Propene	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software
Q1725-05	VL042245.D	Tetrachloroethene	SAM	4/8/2025 8:58:17 AM	MMDadoda	4/9/2025 9:33:45 AM	Peak Integrated by Software
Q1725-06	VL042247.D	Propene	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software
Q1725-06	VL042247.D	tert-Butyl alcohol	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software
Q1725-06	VL042247.D	Tetrahydrofuran	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software
Q1725-06	VL042247.D	Toluene	SAM	4/8/2025 9:26:53 AM	MMDadoda	4/9/2025 9:33:53 AM	Peak Integrated by Software
Q1725-06DL	VL042248.D	Tetrachloroethene	SAM	4/14/2025 5:24:10 AM	MMDadoda	4/14/2025 5:25:27 AM	Peak Integrated by Software
Q1725-07	VL042249.D	1,1,1-Trichloroethane	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software
Q1725-07	VL042249.D	2,2,4-Trimethylpentane	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software
Q1725-07	VL042249.D	Carbon Tetrachloride	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vl040725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1725-07	VL042249.D	Chlorodifluoromethane	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software
Q1725-07	VL042249.D	Propene	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software
Q1725-07	VL042249.D	tert-Butyl alcohol	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software
Q1725-07	VL042249.D	Tetrachloroethene	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software
Q1725-07	VL042249.D	Trichloroethene	SAM	4/8/2025 8:59:17 AM	MMDadoda	4/9/2025 9:33:57 AM	Peak Integrated by Software
Q1725-08	VL042250.D	Benzene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software
Q1725-08	VL042250.D	Ethyl Benzene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software
Q1725-08	VL042250.D	Propene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software
Q1725-08	VL042250.D	tert-Butyl alcohol	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software
Q1725-08	VL042250.D	Toluene	SAM	4/8/2025 8:58:10 AM	MMDadoda	4/9/2025 9:34:00 AM	Peak Integrated by Software
Q1725-08DL	VL042251.D	Tetrachloroethene	SAM	4/8/2025 8:58:05 AM	MMDadoda	4/9/2025 9:34:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL040825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042253.D	m/p-Xylene	SAM	4/9/2025 11:25:40 AM	MMDadoda	4/9/2025 11:41:57 AM	Peak Integrated by Software
VL0408ABS01	VL042255.D	m/p-Xylene	SAM	4/9/2025 11:25:44 AM	MMDadoda	4/9/2025 11:41:59 AM	Peak Integrated by Software
Q1725-03	VL042256.D	Carbon Tetrachloride	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software
Q1725-03	VL042256.D	Chlorodifluoromethane	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software
Q1725-03	VL042256.D	Ethanol	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software
Q1725-03	VL042256.D	Propene	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software
Q1725-03	VL042256.D	Tetrachloroethene	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software
Q1725-03	VL042256.D	Trichloroethene	SAM	4/9/2025 11:30:22 AM	MMDadoda	4/9/2025 11:42:01 AM	Peak Integrated by Software

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042171.D	27 Mar 2025 07:44	SY/MD	Ok
2	VSTDICCC010	VL042172.D	27 Mar 2025 08:26	SY/MD	Ok,M
3	VSTDICC002	VL042173.D	27 Mar 2025 08:59	SY/MD	Ok,M
4	VSTDICC001	VL042174.D	27 Mar 2025 09:30	SY/MD	Ok,M
5	VSTDICC0.5	VL042175.D	27 Mar 2025 10:01	SY/MD	Ok,M
6	VSTDICC0.1	VL042176.D	27 Mar 2025 10:32	SY/MD	Ok,M
7	VSTDICC0.03	VL042177.D	27 Mar 2025 11:03	SY/MD	Ok,M
8	VSTDICC015	VL042178.D	27 Mar 2025 11:36	SY/MD	Ok,M
9	VSTDICV010	VL042179.D	27 Mar 2025 12:23	SY/MD	Ok,M
10	VL0327ABL01	VL042180.D	27 Mar 2025 13:50	SY/MD	Ok
11	VL0327ABS01	VL042181.D	27 Mar 2025 14:39	SY/MD	Ok,M
12	QC032625 CAN 10448	VL042182.D	27 Mar 2025 16:41	SY/MD	Ok
13	Q1649-01	VL042183.D	27 Mar 2025 17:13	SY/MD	Not Ok
14	Q1649-02	VL042184.D	27 Mar 2025 17:45	SY/MD	Not Ok
15	Q1669-01	VL042185.D	27 Mar 2025 18:22	SY/MD	Dilution
16	Q1669-02	VL042186.D	27 Mar 2025 18:59	SY/MD	Ok,M
17	Q1669-03	VL042187.D	27 Mar 2025 19:36	SY/MD	Ok,M
18	Q1669-04	VL042188.D	27 Mar 2025 20:12	SY/MD	Ok,M
19	Q1669-09	VL042189.D	27 Mar 2025 20:48	SY/MD	Ok,M
20	Q1669-09DUP	VL042190.D	27 Mar 2025 21:24	SY/MD	Ok,M
21	Q1669-05	VL042191.D	27 Mar 2025 21:57	SY/MD	Not Ok

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1669-07DL	VL042192.D	27 Mar 2025 22:29	SY/MD	Ok,M
23	Q1669-08	VL042193.D	27 Mar 2025 23:01	SY/MD	Not Ok
24	VIBLK	VL042194.D	27 Mar 2025 23:34	SY/MD	Ok
25	Q1669-01DL	VL042195.D	28 Mar 2025 00:06	SY/MD	Ok,M
26	Q1669-01DUP	VL042196.D	28 Mar 2025 00:44	SY/MD	Ok,M
27	Q1669-05	VL042197.D	28 Mar 2025 01:20	SY/MD	Ok,M
28	Q1669-07	VL042198.D	28 Mar 2025 01:57	SY/MD	Dilution
29	Q1669-08	VL042199.D	28 Mar 2025 02:33	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040725

Review By	Mahesh Dadoda	Review On	4/9/2025 11:41:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/9/2025 11:43:39 AM		
SubDirectory	VL040725	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	VL042227.D	07 Apr 2025 08:46	SY/MD	Ok
2	VSTDCCC010	VL042228.D	07 Apr 2025 09:31	SY/MD	Ok,M
3	VL0407ABL01	VL042229.D	07 Apr 2025 10:23	SY/MD	Ok
4	VL0407ABS01	VL042230.D	07 Apr 2025 11:09	SY/MD	Ok,M
5	Q1725-04	VL042231.D	07 Apr 2025 12:27	SY/MD	Ok,M
6	Q1725-04DUP	VL042232.D	07 Apr 2025 13:00	SY/MD	Ok,M
7	Q1725-01	VL042233.D	07 Apr 2025 13:31	SY/MD	Not Ok
8	Q1725-01	VL042234.D	07 Apr 2025 14:18	SY/MD	Ok,M
9	Q1725-02	VL042235.D	07 Apr 2025 14:51	SY/MD	Dilution
10	Q1725-02DL	VL042236.D	07 Apr 2025 17:44	SY/MD	Dilution
11	Q1725-02DL2	VL042237.D	07 Apr 2025 18:15	SY/MD	Not Ok
12	Q1725-03DL	VL042238.D	07 Apr 2025 18:46	SY/MD	Not Ok
13	Q1725-05DL	VL042239.D	07 Apr 2025 19:17	SY/MD	Ok,M
14	Q1725-06DL	VL042240.D	07 Apr 2025 19:48	SY/MD	Not Ok
15	Q1725-07DL	VL042241.D	07 Apr 2025 20:19	SY/MD	Ok,M
16	Q1725-08DL	VL042242.D	07 Apr 2025 20:50	SY/MD	Not Ok
17	Q1725-02DL2	VL042243.D	07 Apr 2025 21:38	SY/MD	Ok,M
18	Q1725-03DL	VL042244.D	07 Apr 2025 22:09	SY/MD	Ok,M
19	Q1725-05	VL042245.D	07 Apr 2025 22:40	SY/MD	Dilution
20	Q1725-05DL	VL042246.D	07 Apr 2025 23:11	SY/MD	Not Ok
21	Q1725-06	VL042247.D	07 Apr 2025 23:41	SY/MD	Dilution

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040725

Review By	Mahesh Dadoda	Review On	4/9/2025 11:41:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/9/2025 11:43:39 AM		
SubDirectory	VL040725	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	

22	Q1725-06DL	VL042248.D	08 Apr 2025 00:12	SY/MD	Ok
23	Q1725-07	VL042249.D	08 Apr 2025 00:46	SY/MD	Dilution
24	Q1725-08	VL042250.D	08 Apr 2025 01:17	SY/MD	Dilution
25	Q1725-08DL	VL042251.D	08 Apr 2025 01:48	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 # VL040825

Review By	Mahesh Dadoda	Review On	4/9/2025 11:42:35 AM		
Supervise By	Amit Patel	Supervise On	4/10/2025 11:22:52 AM		
SubDirectory	VL040825	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	VL042252.D	08 Apr 2025 07:57	SY/MD	Ok
2	VSTDCCC010	VL042253.D	08 Apr 2025 08:39	SY/MD	Ok,M
3	VL0408ABL01	VL042254.D	08 Apr 2025 09:22	SY/MD	Ok
4	VL0408ABS01	VL042255.D	08 Apr 2025 10:05	SY/MD	Ok,M
5	Q1725-03	VL042256.D	08 Apr 2025 10:55	SY/MD	Dilution
6	Q1728-03	VL042257.D	08 Apr 2025 11:26	SY/MD	Not Ok
7	VIBLK	VL042258.D	08 Apr 2025 12:05	SY/MD	Ok,M
8	VIBLK	VL042259.D	08 Apr 2025 12:36	SY/MD	Ok
9	Q1728-06	VL042260.D	08 Apr 2025 13:07	SY/MD	Dilution
10	Q1728-06DL	VL042261.D	08 Apr 2025 13:52	SY/MD	Ok,M
11	Q1728-07	VL042262.D	08 Apr 2025 14:22	SY/MD	Not Ok
12	Q1728-08	VL042263.D	08 Apr 2025 14:53	SY/MD	Dilution
13	Q1728-11	VL042264.D	08 Apr 2025 15:25	SY/MD	Not Ok
14	Q1728-12	VL042265.D	08 Apr 2025 15:56	SY/MD	Not Ok
15	Q1728-09	VL042266.D	08 Apr 2025 16:27	SY/MD	Ok,M
16	Q1728-01DL	VL042267.D	08 Apr 2025 16:58	SY/MD	Ok,M
17	Q1728-02	VL042268.D	08 Apr 2025 17:29	SY/MD	Not Ok
18	Q1728-04	VL042269.D	08 Apr 2025 18:00	SY/MD	Not Ok
19	Q1728-05	VL042270.D	08 Apr 2025 18:32	SY/MD	Not Ok
20	Q1728-10	VL042271.D	08 Apr 2025 19:03	SY/MD	Not Ok
21	Q1728-07	VL042272.D	08 Apr 2025 20:30	SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040825

Review By	Mahesh Dadoda	Review On	4/9/2025 11:42:35 AM				
Supervise By	Amit Patel	Supervise On	4/10/2025 11:22:52 AM				
SubDirectory	VL040825	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	

22	Q1728-08DL	VL042273.D	08 Apr 2025 21:37	SY/MD	Ok,M
23	Q1728-11	VL042274.D	08 Apr 2025 22:11	SY/MD	Ok,M
24	Q1728-12	VL042275.D	08 Apr 2025 22:42	SY/MD	Ok,M
25	Q1728-09DUP	VL042276.D	08 Apr 2025 23:13	SY/MD	Ok,M
26	Q1728-01	VL042277.D	08 Apr 2025 23:44	SY/MD	Dilution
27	Q1728-02	VL042278.D	09 Apr 2025 00:15	SY/MD	Ok,M
28	Q1728-04	VL042279.D	09 Apr 2025 00:46	SY/MD	Dilution
29	Q1728-04DL	VL042280.D	09 Apr 2025 01:18	SY/MD	Ok,M
30	Q1728-05	VL042281.D	09 Apr 2025 01:49	SY/MD	Dilution
31	Q1728-05DL	VL042282.D	09 Apr 2025 02:20	SY/MD	Ok
32	Q1728-10	VL042283.D	09 Apr 2025 02:51	SY/MD	Ok,M
33	Q1728-03	VL042284.D	09 Apr 2025 03:22	SY/MD	Ok,M

M : Manual Integration

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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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042171.D	27 Mar 2025 07:44		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042172.D	27 Mar 2025 08:26		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042173.D	27 Mar 2025 08:59		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042174.D	27 Mar 2025 09:30		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042175.D	27 Mar 2025 10:01		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042176.D	27 Mar 2025 10:32		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042177.D	27 Mar 2025 11:03		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042178.D	27 Mar 2025 11:36		SY/MD	Ok,M
9	VSTDICV010	ICVVL032725	VL042179.D	27 Mar 2025 12:23		SY/MD	Ok,M
10	VL0327ABL01	VL0327ABL01	VL042180.D	27 Mar 2025 13:50		SY/MD	Ok
11	VL0327ABS01	VL0327ABS01	VL042181.D	27 Mar 2025 14:39		SY/MD	Ok,M
12	QC032625 CAN 10448	QC032625 CAN 10448	VL042182.D	27 Mar 2025 16:41		SY/MD	Ok
13	Q1649-01	SV1	VL042183.D	27 Mar 2025 17:13	rerun 4X,not required	SY/MD	Not Ok
14	Q1649-02	SV2	VL042184.D	27 Mar 2025 17:45	rerun 4X,not required	SY/MD	Not Ok
15	Q1669-01	IA-B9-3-3262025	VL042185.D	27 Mar 2025 18:22	Need 5x	SY/MD	Dilution
16	Q1669-02	IA-B9-2-3262025	VL042186.D	27 Mar 2025 18:59		SY/MD	Ok,M
17	Q1669-03	IA-B9-1-3262025	VL042187.D	27 Mar 2025 19:36		SY/MD	Ok,M
18	Q1669-04	AA-2-3252025	VL042188.D	27 Mar 2025 20:12		SY/MD	Ok,M

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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	

19	Q1669-09	AA-3-3252025	VL042189.D	27 Mar 2025 20:48		SY/MD	Ok,M
20	Q1669-09DUP	AA-3-3252025DUP	VL042190.D	27 Mar 2025 21:24		SY/MD	Ok,M
21	Q1669-05	SSSG-B16-3-3262025	VL042191.D	27 Mar 2025 21:57	Need straight run	SY/MD	Not Ok
22	Q1669-07DL	SSSG-B16-1-3262025D	VL042192.D	27 Mar 2025 22:29		SY/MD	Ok,M
23	Q1669-08	SSSG-B16-2-3262025	VL042193.D	27 Mar 2025 23:01	Need straight run	SY/MD	Not Ok
24	VIBLK	VIBLK	VL042194.D	27 Mar 2025 23:34		SY/MD	Ok
25	Q1669-01DL	IA-B9-3-3262025DL	VL042195.D	28 Mar 2025 00:06		SY/MD	Ok,M
26	Q1669-01DUP	IA-B9-3-3262025DUP	VL042196.D	28 Mar 2025 00:44		SY/MD	Ok,M
27	Q1669-05	SSSG-B16-3-3262025	VL042197.D	28 Mar 2025 01:20		SY/MD	Ok,M
28	Q1669-07	SSSG-B16-1-3262025	VL042198.D	28 Mar 2025 01:57	Need 10X	SY/MD	Dilution
29	Q1669-08	SSSG-B16-2-3262025	VL042199.D	28 Mar 2025 02:33		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040725

Review By	Mahesh Dadoda	Review On	4/9/2025 11:41:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/9/2025 11:43:39 AM		
SubDirectory	VL040725	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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042227.D	07 Apr 2025 08:46		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042228.D	07 Apr 2025 09:31		SY/MD	Ok,M
3	VL0407ABL01	VL0407ABL01	VL042229.D	07 Apr 2025 10:23		SY/MD	Ok
4	VL0407ABS01	VL0407ABS01	VL042230.D	07 Apr 2025 11:09		SY/MD	Ok,M
5	Q1725-04	AA-1-03312025	VL042231.D	07 Apr 2025 12:27		SY/MD	Ok,M
6	Q1725-04DUP	AA-1-03312025DUP	VL042232.D	07 Apr 2025 13:00		SY/MD	Ok,M
7	Q1725-01	SSSG-B1-2-04012025	VL042233.D	07 Apr 2025 13:31	Need Straight Run	SY/MD	Not Ok
8	Q1725-01	SSSG-B1-2-04012025	VL042234.D	07 Apr 2025 14:18		SY/MD	Ok,M
9	Q1725-02	SSSG-B10-4-04012025	VL042235.D	07 Apr 2025 14:51	Need 10X	SY/MD	Dilution
10	Q1725-02DL	SSSG-B10-4-04012025	VL042236.D	07 Apr 2025 17:44	Need 40X	SY/MD	Dilution
11	Q1725-02DL2	SSSG-B10-4-04012025	VL042237.D	07 Apr 2025 18:15	Need further dilution	SY/MD	Not Ok
12	Q1725-03DL	SSSG-DUP-2-0401202	VL042238.D	07 Apr 2025 18:46	Not Required	SY/MD	Not Ok
13	Q1725-05DL	SSSG-B14-3-04012025	VL042239.D	07 Apr 2025 19:17		SY/MD	Ok,M
14	Q1725-06DL	SSSG-B10-3-03312025	VL042240.D	07 Apr 2025 19:48	Need further dilution	SY/MD	Not Ok
15	Q1725-07DL	SSSG-B10-1-03312025	VL042241.D	07 Apr 2025 20:19		SY/MD	Ok,M
16	Q1725-08DL	SSSG-B10-2-03312025	VL042242.D	07 Apr 2025 20:50	Need further dilution	SY/MD	Not Ok
17	Q1725-02DL2	SSSG-B10-4-04012025	VL042243.D	07 Apr 2025 21:38		SY/MD	Ok,M
18	Q1725-03DL	SSSG-DUP-2-0401202	VL042244.D	07 Apr 2025 22:09		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040725

Review By	Mahesh Dadoda	Review On	4/9/2025 11:41:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/9/2025 11:43:39 AM		
SubDirectory	VL040725	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	

19	Q1725-05	SSSG-B14-3-04012025	VL042245.D	07 Apr 2025 22:40	Need 10X	SY/MD	Dilution
20	Q1725-05DL	SSSG-B14-3-04012025	VL042246.D	07 Apr 2025 23:11	Not Required	SY/MD	Not Ok
21	Q1725-06	SSSG-B10-3-03312025	VL042247.D	07 Apr 2025 23:41	Need 40X	SY/MD	Dilution
22	Q1725-06DL	SSSG-B10-3-03312025	VL042248.D	08 Apr 2025 00:12		SY/MD	Ok
23	Q1725-07	SSSG-B10-1-03312025	VL042249.D	08 Apr 2025 00:46	Need 10X	SY/MD	Dilution
24	Q1725-08	SSSG-B10-2-03312025	VL042250.D	08 Apr 2025 01:17	Need 40X	SY/MD	Dilution
25	Q1725-08DL	SSSG-B10-2-03312025	VL042251.D	08 Apr 2025 01:48		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040825

Review By	Mahesh Dadoda	Review On	4/9/2025 11:42:35 AM		
Supervise By	Amit Patel	Supervise On	4/10/2025 11:22:52 AM		
SubDirectory	VL040825	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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042252.D	08 Apr 2025 07:57		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042253.D	08 Apr 2025 08:39		SY/MD	Ok,M
3	VL0408ABL01	VL0408ABL01	VL042254.D	08 Apr 2025 09:22		SY/MD	Ok
4	VL0408ABS01	VL0408ABS01	VL042255.D	08 Apr 2025 10:05		SY/MD	Ok,M
5	Q1725-03	SSSG-DUP-2-0401202	VL042256.D	08 Apr 2025 10:55	need 4X	SY/MD	Dilution
6	Q1728-03	SSSG-B2-2-04022025	VL042257.D	08 Apr 2025 11:26	Surrogate Fail; Need 40X; Bad chromatograph and RT shifted	SY/MD	Not Ok
7	VIBLK	VIBLK	VL042258.D	08 Apr 2025 12:05	clean up	SY/MD	Ok,M
8	VIBLK	VIBLK	VL042259.D	08 Apr 2025 12:36	clean up	SY/MD	Ok
9	Q1728-06	SSSG-B2-5-04022025	VL042260.D	08 Apr 2025 13:07	Need 40X	SY/MD	Dilution
10	Q1728-06DL	SSSG-B2-5-04022025D	VL042261.D	08 Apr 2025 13:52		SY/MD	Ok,M
11	Q1728-07	SSSG-B1-1-04012025	VL042262.D	08 Apr 2025 14:22	Run @ Lower Dilution	SY/MD	Not Ok
12	Q1728-08	SSSG-B2-4-04022025	VL042263.D	08 Apr 2025 14:53	Need 40X	SY/MD	Dilution
13	Q1728-11	SSSG-B1-4-04012025	VL042264.D	08 Apr 2025 15:25	Run @ Lower Dilution	SY/MD	Not Ok
14	Q1728-12	SSSG-B1-3-04012025	VL042265.D	08 Apr 2025 15:56	Run @ Lower Dilution	SY/MD	Not Ok
15	Q1728-09	SSSG-B2-1-04022025	VL042266.D	08 Apr 2025 16:27		SY/MD	Ok,M
16	Q1728-01DL	SSSG-B14-2-04012025	VL042267.D	08 Apr 2025 16:58		SY/MD	Ok,M
17	Q1728-02	SSSG-B1-5-04012025	VL042268.D	08 Apr 2025 17:29	Run @ Lower Dilution	SY/MD	Not Ok

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL040825

Review By	Mahesh Dadoda	Review On	4/9/2025 11:42:35 AM		
Supervise By	Amit Patel	Supervise On	4/10/2025 11:22:52 AM		
SubDirectory	VL040825	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	

18	Q1728-04	SSSG-B2-7-04022025	VL042269.D	08 Apr 2025 18:00	Run @ Lower Dilution	SY/MD	Not Ok
19	Q1728-05	SSSG-B2-6-04022025	VL042270.D	08 Apr 2025 18:32	Run @ Lower Dilution	SY/MD	Not Ok
20	Q1728-10	SSSG-B14-4-04022025	VL042271.D	08 Apr 2025 19:03	Run @ Lower Dilution	SY/MD	Not Ok
21	Q1728-07	SSSG-B1-1-04012025	VL042272.D	08 Apr 2025 20:30	no sample to rerun straight	SY/MD	Ok,M
22	Q1728-08DL	SSSG-B2-4-04022025D	VL042273.D	08 Apr 2025 21:37		SY/MD	Ok,M
23	Q1728-11	SSSG-B1-4-04012025	VL042274.D	08 Apr 2025 22:11		SY/MD	Ok,M
24	Q1728-12	SSSG-B1-3-04012025	VL042275.D	08 Apr 2025 22:42		SY/MD	Ok,M
25	Q1728-09DUP	SSSG-B2-1-04022025D	VL042276.D	08 Apr 2025 23:13		SY/MD	Ok,M
26	Q1728-01	SSSG-B14-2-04012025	VL042277.D	08 Apr 2025 23:44	Need 10X	SY/MD	Dilution
27	Q1728-02	SSSG-B1-5-04012025	VL042278.D	09 Apr 2025 00:15		SY/MD	Ok,M
28	Q1728-04	SSSG-B2-7-04022025	VL042279.D	09 Apr 2025 00:46	Need 40X	SY/MD	Dilution
29	Q1728-04DL	SSSG-B2-7-04022025D	VL042280.D	09 Apr 2025 01:18		SY/MD	Ok,M
30	Q1728-05	SSSG-B2-6-04022025	VL042281.D	09 Apr 2025 01:49	Need 40X	SY/MD	Dilution
31	Q1728-05DL	SSSG-B2-6-04022025D	VL042282.D	09 Apr 2025 02:20		SY/MD	Ok
32	Q1728-10	SSSG-B14-4-04022025	VL042283.D	09 Apr 2025 02:51		SY/MD	Ok,M
33	Q1728-03	SSSG-B2-2-04022025	VL042284.D	09 Apr 2025 03:22		SY/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1725

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: vl040725,VL040825,

Standard ID :
AP2591,AP2593,AP2594,AP2595,AP2596,

Chemical ID :
A1117,A1135,A1136,A1137,

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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	AP2591	03/21/2025	04/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 2.40000psi of A1135 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2396	TO-15 15 PPBV CAL MIX	AP2593	03/21/2025	04/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1136 = 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
2396	TO-15 15 PPBV CAL MIX	AP2594	03/21/2025	04/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1137 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2397	TO-15 -2 PPBV CAL.MIX	AP2595	03/25/2025	04/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2593 = Final Quantity: 30.000 psi

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Fax : 908 789 8922

Air STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2596	03/25/2025	04/21/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 04/03/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2593 = Final Quantity: 30.000 psi

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
AIR LIQUIDE	365A-49 / AIR, Compressed	90402401186-01	04/01/2026	04/01/2022 / apatel	04/01/2022 / SAM	A1117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TB500009-110 / TO-15 Internal Standard/Surrogate Standard	BC275465	07/16/2025	07/22/2024 / SAM	07/22/2024 / SAM	A1135

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	040424-003A	07/16/2025	07/25/2024 / SAM	07/22/2024 / SAM	A1136

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	040424-003B	07/16/2025	07/25/2024 / SAM	07/22/2024 / SAM	A1137

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Tel: (908) 789-8900

Cylinder Number: BC275465
Cylinder Size/CGA: 170/180SS
Fill Pressure: 1815 PSIA
Gas Volume: ~170 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.014 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.008 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorbenzene	1 ppm	0.979 ppm +/- 0.02 ppm	
Nitrogen	balance	balance	

NOTES:

Blend Tolerance: +/- 10 %

Analytical Tolerance: +/- 5 %

Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis

Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.

Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

Signature:

QA Signature:

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC917782
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025
Lot Number: 040424-003A

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	517 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	534 ppb +/- 50 ppb	
Acrolein	500 ppb	545 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	539 ppb +/- 50 ppb	
Allyl chloride	500 ppb	509 ppb +/- 50 ppb	
Benzene	500 ppb	483 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	489 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	509 ppb +/- 50 ppb	
Bromoform	500 ppb	495 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	504 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	532 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	485 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	506 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	491 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	488 ppb +/- 50 ppb	
Chloroform	500 ppb	492 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	532 ppb +/- 50 ppb	
Cyclohexane	500 ppb	482 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	491 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	510 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	489 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	490 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	508 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	492 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	497 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	493 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	488 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	488 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	490 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	516 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	466 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	505 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	484 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	486 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	555 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	497 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	506 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	485 ppb +/- 50 ppb	
n-Heptane	500 ppb	487 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	489 ppb +/- 50 ppb	
2-Hexanone	500 ppb	490 ppb +/- 50 ppb	
n-Hexane	500 ppb	485 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	511 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	527 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	534 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	505 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	509 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	496 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	493 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	532 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	483 ppb +/- 50 ppb	
Methylene chloride	500 ppb	498 ppb +/- 50 ppb	
Naphthalene	500 ppb	542 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	529 ppb +/- 50 ppb	
Propylene	500 ppb	508 ppb +/- 50 ppb	
Styrene	500 ppb	485 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	483 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	534 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	487 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	535 ppb +/- 50 ppb	
Toluene	500 ppb	491 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	494 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	488 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	508 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	495 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	494 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	498 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	489 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	499 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	505 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	507 ppb +/- 50 ppb	
m-Xylene	500 ppb	492 ppb +/- 50 ppb	
o-Xylene	500 ppb	480 ppb +/- 50 ppb	
p-Xylene	500 ppb	486 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	498 ppb +/- 50 ppb	
R-22	500 ppb	590 ppb +/- 50 ppb	
Nitrogen	balance	balance	

NOTES:	**Blend Tolerance:**	+/- 20 %
	Analytical Tolerance:	+/- 10 %
	Traceability:	NIST by weight set. NIST Traceability No MT001810. Internal Standards by analysis
	Reactive Mixtures:	Analyzed twice with required agreement between analyses of 2%. Required wait time between analyses of >7 days.
	Caution:	Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

Signature:

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC169552
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025
Lot Number: 040424-003B

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	502 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	530 ppb +/- 50 ppb	
Acrolein	500 ppb	540 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	535 ppb +/- 50 ppb	
Allyl chloride	500 ppb	494 ppb +/- 50 ppb	
Benzene	500 ppb	470 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	476 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	495 ppb +/- 50 ppb	
Bromoform	500 ppb	481 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	490 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	527 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	525 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	525 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	525 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	471 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	492 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	478 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	474 ppb +/- 50 ppb	
Chloroform	500 ppb	478 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	527 ppb +/- 50 ppb	
Cyclohexane	500 ppb	469 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	477 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	495 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	475 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	476 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	494 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	478 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	483 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	479 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	475 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	475 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	476 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	501 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	466 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	491 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	470 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	472 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	550 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	483 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	492 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	472 ppb +/- 50 ppb	
n-Heptane	500 ppb	473 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	475 ppb +/- 50 ppb	
2-Hexanone	500 ppb	477 ppb +/- 50 ppb	
n-Hexane	500 ppb	471 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	497 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	522 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	530 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	491 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	494 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	482 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	479 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	527 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	470 ppb +/- 50 ppb	
Methylene chloride	500 ppb	484 ppb +/- 50 ppb	
Naphthalene	500 ppb	537 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	525 ppb +/- 50 ppb	
Propylene	500 ppb	494 ppb +/- 50 ppb	
Styrene	500 ppb	472 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	530 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	470 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	473 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	520 ppb +/- 50 ppb	
Toluene	500 ppb	477 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	480 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	480 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	481 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	474 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	494 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	481 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	480 ppb +/- 50 ppb	
1.3,5-Trimethylbenzene	500 ppb	484 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	475 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	485 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	491 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	493 ppb +/- 50 ppb	
m-Xylene	500 ppb	479 ppb +/- 50 ppb	
o-Xylene	500 ppb	466 ppb +/- 50 ppb	
p-Xylene	500 ppb	473 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	497 ppb +/- 50 ppb	
R-22	500 ppb	589 ppb +/- 50 ppb	
Nitrogen	balance	balance	

NOTES:	**Blend Tolerance:**	+/- 20 %
	Analytical Tolerance:	+/- 10 %
	Traceability:	NIST by weight set. NIST Traceability No MT001810. Internal Standards by analysis
	Reactive Mixtures:	Analyzed twice with required agreement between analyses of 2%. Required wait time between analyses of >7 days.
	Caution:	Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

Signature:

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

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

Process Report

Order ID : Q1725

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
04/07/2025	B2502051	Q1725-08	-7.1	10333	6 L	10523		C2501004	**VL041966.D** Seq :vl020325 TUNE : VL041957.D ICAL : VL041894.D CCAL : VL041958.D MB : VL041960.D
04/07/2025	B2502051	Q1725-06	-2.7	10596	6 L	10186		C2501004	**VL041966.D** Seq :vl020325 TUNE : VL041957.D ICAL : VL041894.D CCAL : VL041958.D MB : VL041960.D
04/07/2025	B2503044	Q1725-04	-1.4	10605	6 L	10520		C2503007	**VL042182.D** Seq :vl032725 TUNE : VL042171.D ICAL : VL042177.D CCAL : VL042172.D MB : VL042180.D
04/07/2025	B2503044	Q1725-02	-4.7	10321	6 L	10633		C2503003	**VL042145.D** Seq :VL031425 TUNE : VL042140.D ICAL : VL042046.D CCAL : VL042141.D MB : VL042142.D
04/07/2025	B2503044	Q1725-07	-7.1	10303	6 L	10536		C2503003	**VL042145.D** Seq :VL031425 TUNE : VL042140.D ICAL : VL042046.D CCAL : VL042141.D MB : VL042142.D
04/07/2025	B2503044	Q1725-03	-8.8	10296	6 L	10769		C2503003	**VL042145.D** Seq :VL031425 TUNE : VL042140.D ICAL : VL042046.D CCAL : VL042141.D MB : VL042142.D

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

Process Report

Order ID : Q1725

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
04/07/2025	B2503044	Q1725-05	-5.9	10279	6 L	10695		C2503003	**VL042145.D** Seq :VL031425 TUNE : VL042140.D ICAL : VL042046.D CCAL : VL042141.D MB : VL042142.D
04/07/2025	B2503044	Q1725-01	-5.9	10153	6 L	10553		C2503003	**VL042145.D** Seq :VL031425 TUNE : VL042140.D ICAL : VL042046.D CCAL : VL042141.D MB : VL042142.D

Canister Cleaning

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

Canister Batch : C2501004

Type of Canister : 6 L

Cleaning Date : 01/28/2025

Analyst : SAM

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10596	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1725-06	10439	VL041966.D
10321	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1533-02	10439	VL041966.D
10296	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1533-01	10439	VL041966.D
10439	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1649-02	10439	VL041966.D
10282	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1669-08	10439	VL041966.D
10588	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1668-01	10439	VL041966.D
10333	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1725-08	10439	VL041966.D
10602	-30	01/29/2025	02/03/2025	-30	01/30/2025	Q1755-01	10439	VL041966.D

Canister Cleaning

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

Canister Batch : C2503003

Type of Canister : 6 L

Cleaning Date : 03/13/2025

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	03/14/2025	03/14/2025	-30	03/17/2025	Q1725-01	10266	VL042145.D
10321	-30	03/14/2025	03/14/2025	-30	03/17/2025	Q1725-02	10266	VL042145.D
10329	-30	03/14/2025	03/14/2025	-30	03/17/2025	Q1718-02	10266	VL042145.D
10266	-30	03/14/2025	03/14/2025	-30	03/17/2025	Q1665-15	10266	VL042145.D
10054	-30	03/14/2025	03/14/2025	-30	03/17/2025	Q1726-04	10266	VL042145.D
10303	-30	03/14/2025	03/14/2025	-30	03/17/2025	Q1725-07	10266	VL042145.D
10296	-30	03/14/2025	03/14/2025	-30	03/17/2025	Q1725-03	10266	VL042145.D
10279	-30	03/14/2025	03/14/2025	-30	03/17/2025	Q1725-05	10266	VL042145.D

Canister Cleaning

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

Canister Batch : C2503007

Type of Canister : 6 L

Cleaning Date : 03/26/2025

Analyst : SAM

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10609	-30	03/27/2025	03/27/2025	-30	03/28/2025	Q1718-03	10448	VL042182.D
10410	-30	03/27/2025	03/27/2025	-30	03/28/2025	Q1726-03	10448	VL042182.D
10448	-30	03/27/2025	03/27/2025	-30	03/28/2025	Q1726-07	10448	VL042182.D
10295	-30	03/27/2025	03/27/2025	-30	03/28/2025	Q1726-05	10448	VL042182.D
10590	-30	03/27/2025	03/27/2025	-30	03/28/2025	Q1726-06	10448	VL042182.D
10605	-30	03/27/2025	03/27/2025	-30	03/28/2025	Q1725-04	10448	VL042182.D

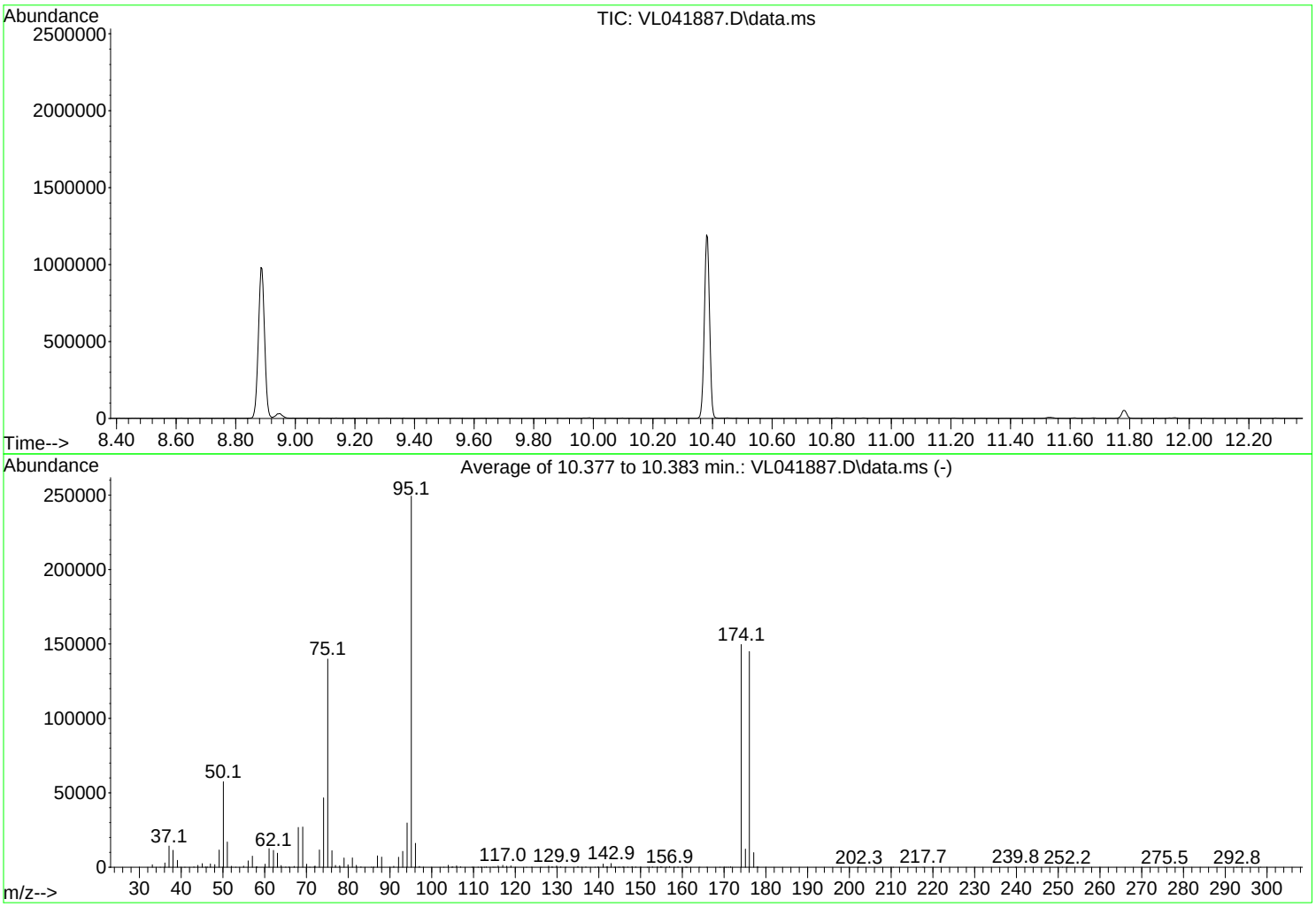
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041887.D
Acq On : 14 Jan 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\VL011425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Tue Jan 14 23:15:42 2025



AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.0	57448	PASS
75	95	30	66	56.1	139893	PASS
95	95	100	100	100.0	249280	PASS
96	95	5	9	6.5	16102	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	60.0	149632	PASS
175	174	4	9	8.2	12223	PASS
176	174	93	101	96.8	144917	PASS
177	176	5	9	6.8	9838	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL011425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Tue Jan 14 23:15:42 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL041894.D 0.1 =VL041893.D 0.5 =VL041892.D 1 =VL041891.D 2 =VL041890.D 10 =VL041889.D 15 =VL041895.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.450	1.406	1.359	1.300	1.295	1.362	4.93
3)		Chlorodifluoro...			1.448	1.547	1.466	1.330	1.343	1.427	6.34
4)		Chloromethane			0.546	0.499	0.525	0.492	0.499	0.512	4.41
5)	T	Vinyl Chloride	0.504	0.578	0.561	0.531	0.502	0.466	0.491	0.519	7.62
6)	T	Bromomethane			0.253	0.274	0.248	0.229	0.233	0.247	7.30
7)		Chloroethane			0.210	0.205	0.209	0.193	0.194	0.202	4.08
8)	T	Dichlorotetraf...			1.282	1.198	1.225	1.095	1.151	1.190	5.99
9)	T	Propene			0.642	0.577	0.605	0.568	0.548	0.588	6.21
10)	T	Heptane			1.536	1.616	1.635	1.530	1.538	1.571	3.19
11)	T	Trichlorofluor...			1.488	1.417	1.435	1.335	1.410	1.417	3.87
12)	T	1,1,2-Trichlor...			1.098	1.137	1.166	1.057	1.095	1.110	3.78
13)		Ethanol			0.065	0.043	0.051	0.027	0.029	0.043#	36.98
14)	T	Bromoethene			0.420	0.445	0.403	0.371	0.393	0.407	6.93
15)	T	Acetone			1.405	1.301	1.256	0.991	1.051	1.201	14.50
16)	T	1,3-Butadiene			0.552	0.589	0.545	0.494	0.515	0.539	6.74
17)		tert-Butyl alc...			1.527	1.559	1.503	1.399	1.404	1.478	4.91
18)	T	1,1-Dichloroet...			0.520	0.517	0.514	0.458	0.492	0.501	5.18
19)	T	Isopropyl Alcohol			0.864	0.731	0.714	0.621	0.631	0.712	13.77
20)	T	Methylene Chlo...			0.586	0.503	0.478	0.390	0.416	0.475	16.27
21)	T	Allyl Chloride			0.897	0.823	0.847	0.792	0.799	0.832	5.06
22)	T	trans-1,2-Dich...			0.549	0.583	0.595	0.540	0.556	0.565	4.13
23)	T	Vinyl Acetate			0.873	0.475	0.543	0.538	0.549	0.595	26.54
24)	T	1,1-Dichloroet...			1.165	1.099	1.100	1.016	1.083	1.093	4.84
25)	T	Ethyl Acetate			3.219	3.352	3.399	3.094	3.131	3.239	4.13
26)	T	Hexane			1.265	1.249	1.388	1.261	1.242	1.281	4.71
27)	T	Carbon Disulfide			1.210	1.256	1.304	1.258	1.311	1.268	3.22
28)	T	Methyl tert-Bu...			1.043	1.187	1.007	0.774	0.885	0.979	16.08
29)	T	Chloroform			2.101	2.060	2.105	1.911	1.947	2.025	4.45
30)	T	Cyclohexane			1.037	1.193	1.145	1.082	1.098	1.111	5.41
31)	T	cis-1,2-Dichlo...			1.406	1.397	1.390	1.272	1.279	1.349	4.98
32)	T	1,1,1-Trichlor...	1.937	1.841	1.942	2.010	1.956	1.905	1.973	1.938	2.76
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.649	0.646	0.679	0.602	0.605	0.636	5.13
35)	T	Carbon Tetrach...	0.605	0.608	0.584	0.616	0.657	0.649	0.677	0.628	5.32
36)	T	Benzene			0.926	0.949	0.949	0.882	0.879	0.917	3.78
37)	T	1,2-Dichloroet...			0.539	0.516	0.517	0.493	0.510	0.515	3.23
38)	T	Trichloroethene	0.286	0.427	0.381	0.374	0.373	0.354	0.353	0.364	11.62
39)	T	1,2-Dichloropr...			0.349	0.321	0.329	0.305	0.304	0.322	5.81

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL011425AIR.M

40)	T	1,4-Dioxane		0.187	0.162	0.161	0.147	0.155	0.162	9.21
41)	T	Tetrahydrofuran		0.333	0.344	0.358	0.348	0.346	0.346	2.53
42)	T	Bromodichlorom...		0.700	0.659	0.703	0.684	0.707	0.691	2.84
43)		Methyl Methacr...		0.340	0.336	0.349	0.338	0.341	0.341	1.41
44)	T	2,2,4-Trimethy...		1.450	1.501	1.566	1.457	1.444	1.484	3.45
45)	T	t-1,3-Dichloro...		0.300	0.292	0.319	0.338	0.346	0.319	7.38
46)	T	cis-1,3-Dichlo...		0.371	0.391	0.439	0.446	0.447	0.419	8.43
47)	T	1,1,2-Trichlor...		0.340	0.345	0.350	0.333	0.336	0.341	2.06
48)	T	Dibromochlorom...		0.490	0.489	0.541	0.545	0.566	0.526	6.64
49)	T	Bromoform		0.379	0.394	0.439	0.460	0.488	0.432	10.53
50)	T	4-Methyl-2-Pen...		0.892	0.870	0.899	0.833	0.846	0.868	3.29
51)	T	2-Hexanone		0.622	0.640	0.739	0.652	0.683	0.667	6.91
52)	T	Tetrachloroethene	0.320	0.348	0.317	0.329	0.330	0.292	0.291	0.318	6.46
53)	T	Toluene		0.934	0.996	1.048	1.011	1.008	0.999	4.14
54)	T	1,2-Dibromoethane	0.440	0.488	0.468	0.494	0.454	0.470	0.469	4.32
55)	I	Chlorobenzene-d5	----------	ISTD	----------					
56)		1,1,1,2-Tetrac...		0.502	0.514	0.510	0.481	0.488	0.499	2.86
57)	T	Chlorobenzene		0.986	0.968	0.977	0.848	0.832	0.922	8.18
58)	T	Ethyl Benzene		1.507	1.563	1.653	1.551	1.541	1.563	3.49
59)	T	m/p-Xylene		1.186	1.265	1.355	1.223	1.234	1.253	5.10
60)	T	o-Xylene		1.179	1.241	1.348	1.224	1.224	1.243	5.06
61)	T	Styrene		0.516	0.515	0.576	0.587	0.595	0.558	7.02
62)		Isopropylbenzene		1.927	1.925	2.066	1.854	1.848	1.924	4.56
63)	T	1,1,2,2-Tetrac...	0.756	0.816	0.845	0.858	0.751	0.741	0.795	6.52
64)		n-propylbenzene		0.481	0.495	0.521	0.469	0.464	0.486	4.78
65)		tert-Butylbenzene		1.746	1.782	1.919	1.675	1.645	1.753	6.12
66)	T	Benzyl Chloride		0.102	0.093	0.113	0.115	0.119	0.109	9.71
67)		sec-Butylbenzene		2.389	2.457	2.681	2.299	2.246	2.414	7.04
68)	S	1-Bromo-4-Fluo...	0.783	0.785	0.784	0.792	0.795	0.782	0.792	0.788	0.65
69)		p-Isopropyltol...		1.852	2.013	2.256	1.927	1.892	1.988	8.11
70)		n-Butylbenzene		1.867	2.048	2.206	1.898	1.840	1.972	7.80
71)		2-Chlorotoluene		1.394	1.410	1.537	1.389	1.385	1.423	4.54
72)	T	4-Ethyltoluene		1.442	1.447	1.610	1.466	1.472	1.487	4.67
73)	T	1,3,5-Trimethy...		1.222	1.360	1.448	1.263	1.275	1.313	6.88
74)	T	1,2,4-Trimethy...		1.359	1.456	1.607	1.346	1.344	1.422	7.97
75)	T	1,3-Dichlorobe...		0.881	0.884	0.903	0.776	0.771	0.843	7.61
76)	T	1,4-Dichlorobe...		0.830	0.859	0.889	0.769	0.777	0.825	6.29
77)	T	1,2-Dichlorobe...		0.863	0.902	0.909	0.757	0.745	0.835	9.43
78)	T	Hexachloro-1,3...		0.747	0.742	0.772	0.586	0.582	0.686	13.66
79)	T	Naphthalene	0.978	1.479	1.682	1.941	1.255	1.259	1.432	24.01
80)	T	Naphthalene,2-...		0.572	0.724	1.151	0.463	0.485	0.679	41.70
81)	T	1,2,4-Trichlor...		0.745	0.738	0.819	0.598	0.596	0.699	14.10

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041889.D
Acq On : 14 Jan 2025 12:55
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	152325	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	449256	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	400269	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	313194	9.934	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	197959	9.541	ppbv	100
3) Chlorodifluoromethane	1.479	51	202651	9.323	ppbv	100
4) Chloromethane	1.538	50	74977	9.608	ppbv	100
5) Vinyl Chloride	1.583	62	71006	8.984	ppbv	100
6) Bromomethane	1.674	94	34817	9.243	ppbv	100
7) Chloroethane	1.709	64	29349	9.544	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	166754	9.196	ppbv	100
9) Propene	1.486	41	86544	9.665	ppbv	100
10) Heptane	5.001	43	233062	9.738	ppbv	100
11) Trichlorofluoromethane	1.884	101	203374	9.423	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	160993	9.517	ppbv	100
13) Ethanol	1.725	45	4155	6.335	ppbv	98
14) Bromoethene	1.787	108	56447	9.114	ppbv	100
15) Acetone	1.842	43	151022	8.255	ppbv	100
16) 1,3-Butadiene	1.612	39	75244	9.163	ppbv	100
17) tert-Butyl alcohol	2.046	59	213109	9.464	ppbv	100
18) 1,1-Dichloroethene	2.039	96	69825	9.158	ppbv	100
19) Isopropyl Alcohol	1.890	45	94532	8.714	ppbv	100
20) Methylene Chloride	2.068	84	59427	8.219	ppbv	100
21) Allyl Chloride	2.101	41	120681	9.526	ppbv	100
22) trans-1,2-Dichloroethene	2.347	96	82326	9.568	ppbv	100
23) Vinyl Acetate	2.470	43	81885	10.281	ppbv	100
24) 1,1-Dichloroethane	2.418	63	154838	9.303	ppbv	100
25) Ethyl Acetate	2.845	43	471257	9.552	ppbv	100
26) Hexane	2.835	57	192009	9.841	ppbv	100
27) Carbon Disulfide	2.156	76	191567	9.921	ppbv	99
28) Methyl tert-Butyl Ether	2.450	73	117898	7.905	ppbv	100
29) Chloroform	2.858	83	291118	9.438	ppbv	100
30) Cyclohexane	3.868	84	164788	9.737	ppbv	100
31) cis-1,2-Dichloroethene	2.729	61	193774	9.432	ppbv	100
32) 1,1,1-Trichloroethane	3.379	97	290126	9.830	ppbv	100
34) 2-Butanone	2.567	43	270263	9.459	ppbv	100
35) Carbon Tetrachloride	3.777	117	291448	10.309	ppbv	100
36) Benzene	3.671	78	396344	9.619	ppbv	100
37) 1,2-Dichloroethane	3.230	62	221352	9.565	ppbv	100
38) Trichloroethene	4.564	130	159253	9.736	ppbv	100
39) 1,2-Dichloropropane	4.331	63	137090	9.484	ppbv	100
40) 1,4-Dioxane	4.606	88	66200	9.075	ppbv #	94
41) Tetrahydrofuran	3.065	42	156141	10.023	ppbv	100
42) Bromodichloromethane	4.509	83	307176	9.900	ppbv	100
43) Methyl Methacrylate	4.897	69	152001	9.930	ppbv	100
44) 2,2,4-Trimethylpentane	4.658	57	654395	9.819	ppbv	100
45) t-1,3-Dichloropropene	6.435	75	151920	10.603	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041889.D
Acq On : 14 Jan 2025 12:55
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	200330	10.649	ppbv		100
47) 1,1,2-Trichloroethane	6.600	97	149634	9.766	ppbv		100
48) Dibromochloromethane	7.402	129	245066	10.368	ppbv		100
49) Bromoform	9.496	173	206751	10.649	ppbv		100
50) 4-Methyl-2-Pentanone	5.778	43	374267	9.615	ppbv		100
51) 2-Hexanone	7.454	43	292941	9.775	ppbv	#	100
52) Tetrachloroethene	8.241	164	131334	9.193	ppbv		100
53) Toluene	6.952	91	454085	10.116	ppbv		100
54) 1,2-Dibromoethane	7.668	107	203859	9.679	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.940	131	192449	9.637	ppbv		99
57) Chlorobenzene	8.937	112	339570	9.197	ppbv		100
58) Ethyl Benzene	9.367	91	620719	9.923	ppbv		100
59) m/p-Xylene	9.564	91	979297m	19.504	ppbv		
60) o-Xylene	9.979	91	490108	9.848	ppbv		100
61) Styrene	9.885	104	234901	10.522	ppbv		100
62) Isopropylbenzene	10.552	105	742261	9.638	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.976	83	300600	9.596	ppbv		100
64) n-propylbenzene	11.002	120	187706	9.646	ppbv		99
65) tert-Butylbenzene	11.542	119	670259	9.550	ppbv		100
66) Benzyl Chloride	11.626	91	46008	10.591	ppbv		100
67) sec-Butylbenzene	11.778	105	920046	9.521	ppbv		100
69) p-Isopropyltoluene	11.937	119	771465	9.694	ppbv		100
70) n-Butylbenzene	12.293	91	759785	9.627	ppbv		100
71) 2-Chlorotoluene	10.914	91	556170	9.763	ppbv		100
72) 4-Ethyltoluene	11.137	105	586667	9.855	ppbv		100
73) 1,3,5-Trimethylbenzene	11.215	105	505443	9.614	ppbv		100
74) 1,2,4-Trimethylbenzene	11.549	105	538665	9.461	ppbv		100
75) 1,3-Dichlorobenzene	11.620	146	310421	9.201	ppbv		100
76) 1,4-Dichlorobenzene	11.684	146	307758	9.324	ppbv		100
77) 1,2-Dichlorobenzene	11.960	146	303196	9.068	ppbv		100
78) Hexachloro-1,3-Butadiene	13.895	225	234457	8.543	ppbv		100
79) Naphthalene	13.526	128	502354	8.764	ppbv		100
80) Naphthalene,2-methyl-	14.471	142	185336	6.819	ppbv		100
81) 1,2,4-Trichlorobenzene	13.452	180	239317	8.553	ppbv		100

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

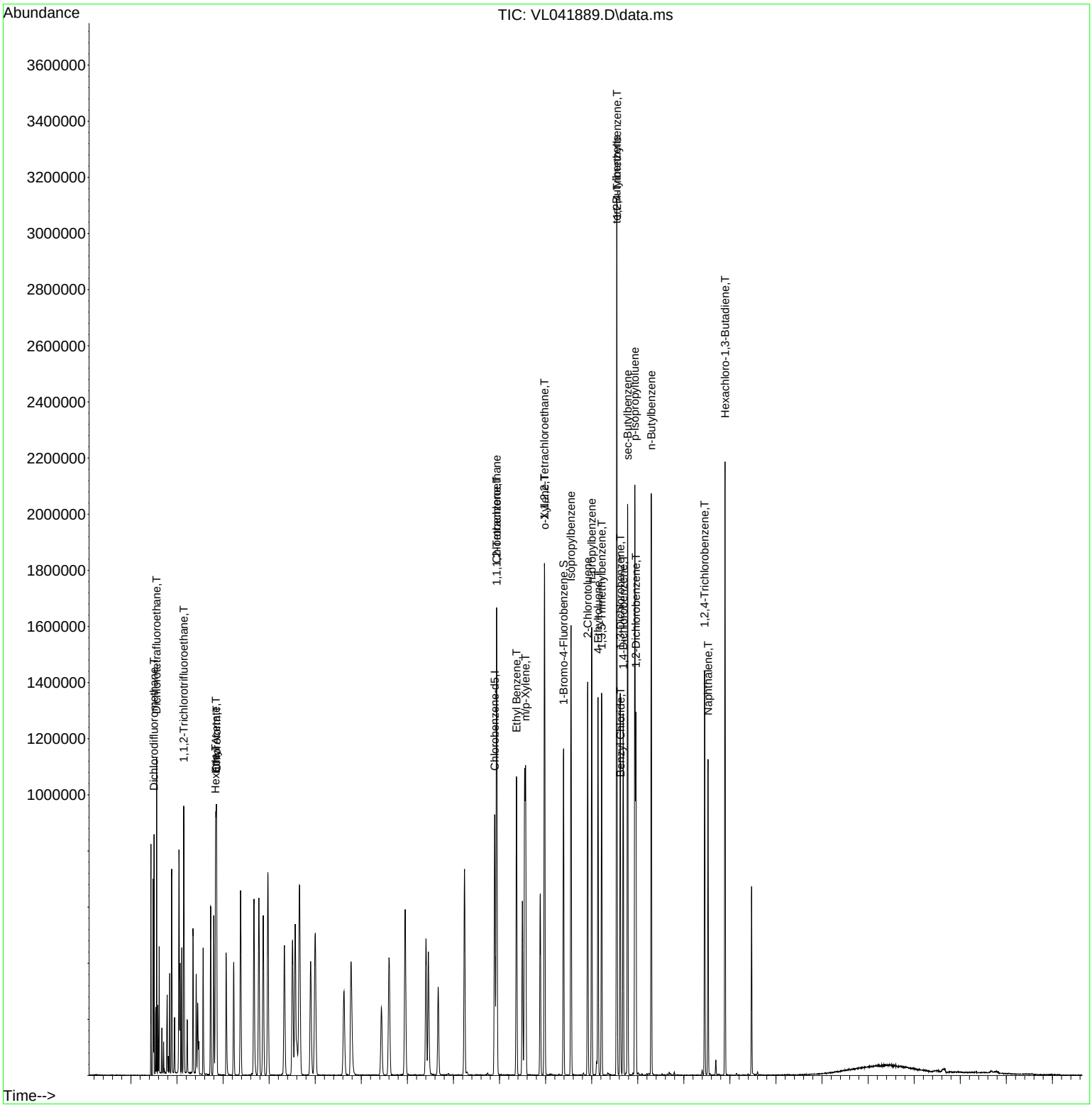
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041889.D
Acq On : 14 Jan 2025 12:55
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041890.D
Acq On : 14 Jan 2025 13:28
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	150761	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	452131	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	394865	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	313784	10.089	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	40991	1.996	ppbv	98
3) Chlorodifluoromethane	1.479	51	44207	2.055	ppbv	99
4) Chloromethane	1.538	50	15833	2.050	ppbv	93
5) Vinyl Chloride	1.583	62	15137	1.935	ppbv	99
6) Bromomethane	1.673	94	7486	2.008	ppbv	91
7) Chloroethane	1.709	64	6303	2.071	ppbv #	84
8) Dichlorotetrafluoroethane	1.557	85	36941	2.058	ppbv	99
9) Propene	1.486	41	18248	2.059	ppbv	95
10) Heptane	5.001	43	49302	2.081	ppbv	97
11) Trichlorofluoromethane	1.884	101	43266	2.025	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	35162	2.100	ppbv	97
13) Ethanol	1.725	45	1534	2.363	ppbv	84
14) Bromoethene	1.787	108	12163	1.984	ppbv #	95
15) Acetone	1.842	43	37867	2.091	ppbv	99
16) 1,3-Butadiene	1.612	39	16446	2.024	ppbv	100
17) tert-Butyl alcohol	2.049	59	45305	2.033	ppbv	99
18) 1,1-Dichloroethene	2.039	96	15508	2.055	ppbv	97
19) Isopropyl Alcohol	1.894	45	21530	2.005	ppbv	94
20) Methylene Chloride	2.068	84	14399	2.012	ppbv	95
21) Allyl Chloride	2.104	41	25533	2.036	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	17951	2.108	ppbv	83
23) Vinyl Acetate	2.470	43	16358	2.075	ppbv	99
24) 1,1-Dichloroethane	2.418	63	33175	2.014	ppbv	99
25) Ethyl Acetate	2.848	43	102475	2.099	ppbv	99
26) Hexane	2.835	57	41844	2.167	ppbv	99
27) Carbon Disulfide	2.156	76	39306	2.057	ppbv #	70
28) Methyl tert-Butyl Ether	2.454	73	30355	2.056	ppbv	96
29) Chloroform	2.858	83	63457	2.079	ppbv	94
30) Cyclohexane	3.874	84	34518	2.061	ppbv	97
31) cis-1,2-Dichloroethene	2.729	61	41921	2.062	ppbv	89
32) 1,1,1-Trichloroethane	3.382	97	58965	2.019	ppbv	98
34) 2-Butanone	2.570	43	61381	2.135	ppbv	99
35) Carbon Tetrachloride	3.777	117	59430	2.089	ppbv	95
36) Benzene	3.670	78	85859	2.070	ppbv	96
37) 1,2-Dichloroethane	3.230	62	46786	2.009	ppbv	100
38) Trichloroethene	4.564	130	33773	2.052	ppbv	98
39) 1,2-Dichloropropane	4.334	63	29723	2.043	ppbv	96
40) 1,4-Dioxane	4.619	88	14566m	1.984	ppbv	
41) Tetrahydrofuran	3.072	42	32358	2.064	ppbv	96
42) Bromodichloromethane	4.509	83	63611	2.037	ppbv	99
43) Methyl Methacrylate	4.900	69	31519	2.046	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	141602	2.111	ppbv	100
45) t-1,3-Dichloropropene	6.435	75	28818	1.999	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041890.D
Acq On : 14 Jan 2025 13:28
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.625	75	39668	2.095	ppbv		94
47) 1,1,2-Trichloroethane	6.600	97	31694m	2.055	ppbv		
48) Dibromochloromethane	7.406	129	48894	2.055	ppbv		99
49) Bromoform	9.496	173	39710	2.032	ppbv		99
50) 4-Methyl-2-Pentanone	5.784	43	81330	2.076	ppbv		98
51) 2-Hexanone	7.457	43	66831	2.216	ppbv	#	98
52) Tetrachloroethene	8.241	164	29814	2.074	ppbv		94
53) Toluene	6.952	91	94741	2.097	ppbv		98
54) 1,2-Dibromoethane	7.671	107	44636	2.106	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.940	131	40249	2.043	ppbv		93
57) Chlorobenzene	8.933	112	77180	2.119	ppbv		94
58) Ethyl Benzene	9.367	91	130554	2.116	ppbv		98
59) m/p-Xylene	9.561	91	214076m	4.322	ppbv		
60) o-Xylene	9.975	91	106458	2.168	ppbv		99
61) Styrene	9.885	104	45490	2.065	ppbv		99
62) Isopropylbenzene	10.552	105	163135	2.147	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.975	83	67775	2.193	ppbv		99
64) n-propylbenzene	11.001	120	41184	2.145	ppbv		99
65) tert-Butylbenzene	11.542	119	151534	2.189	ppbv		97
66) Benzyl Chloride	11.626	91	8925	2.083	ppbv		97
67) sec-Butylbenzene	11.778	105	211759	2.221	ppbv		99
69) p-Isopropyltoluene	11.937	119	178172	2.270	ppbv		100
70) n-Butylbenzene	12.293	91	174217	2.238	ppbv		99
71) 2-Chlorotoluene	10.914	91	121418	2.161	ppbv		100
72) 4-Ethyltoluene	11.137	105	127115	2.164	ppbv		100
73) 1,3,5-Trimethylbenzene	11.215	105	114342	2.205	ppbv		99
74) 1,2,4-Trimethylbenzene	11.548	105	126939	2.260	ppbv	#	89
75) 1,3-Dichlorobenzene	11.616	146	71332	2.143	ppbv		98
76) 1,4-Dichlorobenzene	11.684	146	70219	2.156	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	71818	2.177	ppbv		100
78) Hexachloro-1,3-Butadiene	13.892	225	60984	2.253	ppbv		99
79) Naphthalene	13.526	128	153268	2.710	ppbv		98
80) Naphthalene,2-methyl-	14.471	142	90910	3.391	ppbv		99
81) 1,2,4-Trichlorobenzene	13.452	180	64653	2.342	ppbv		98

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

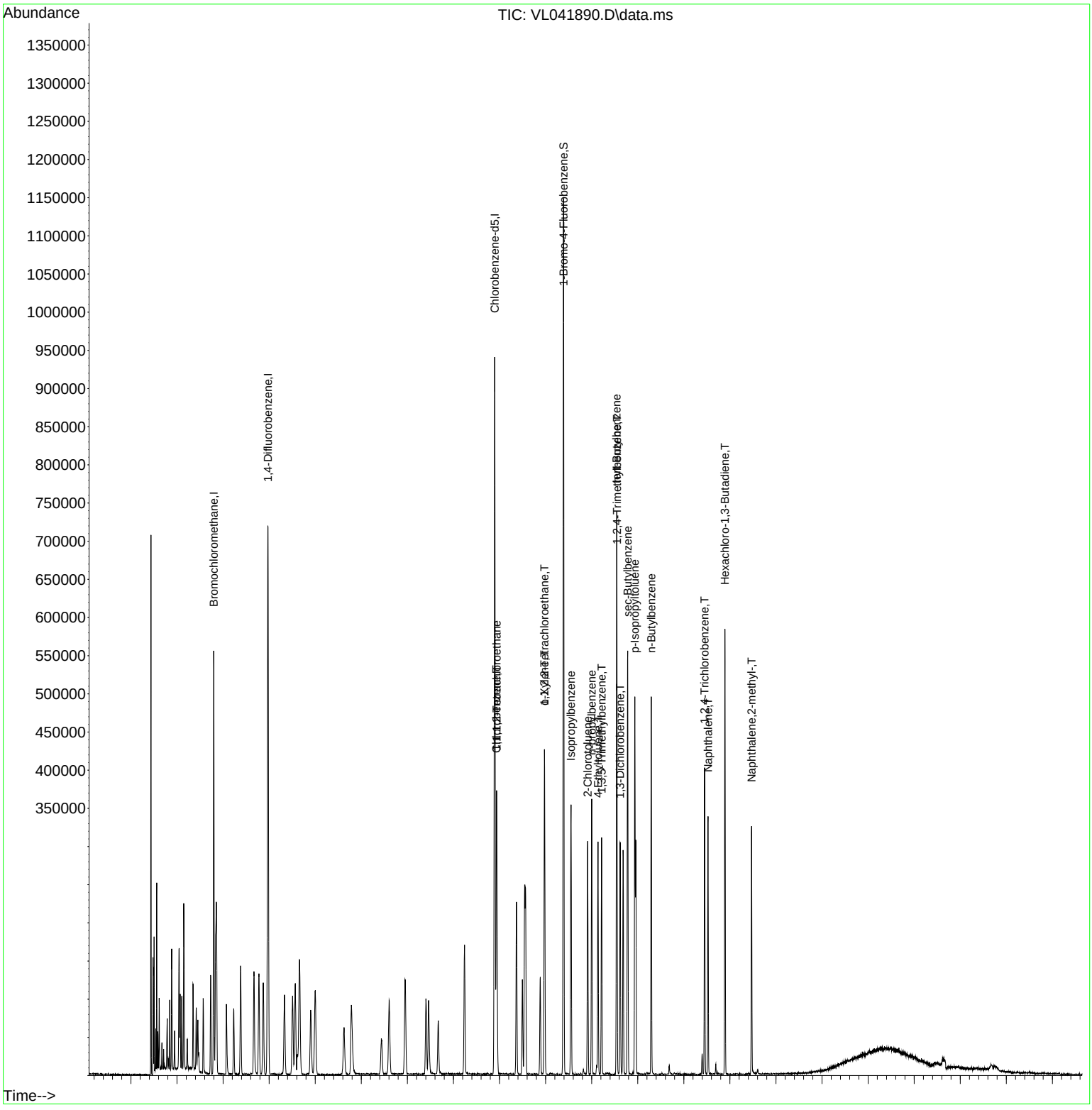
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041890.D
Acq On : 14 Jan 2025 13:28
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041891.D
Acq On : 14 Jan 2025 13:59
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	151226	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.972	114	453418	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.895	117	393836	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.387	95	312013	10.058	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	21262	1.032	ppbv		95
3) Chlorodifluoromethane	1.479	51	23396	1.084	ppbv		100
4) Chloromethane	1.534	50	7546	0.974	ppbv		94
5) Vinyl Chloride	1.583	62	8031	1.023	ppbv		97
6) Bromomethane	1.674	94	4139	1.107	ppbv	#	81
7) Chloroethane	1.709	64	3093	1.013	ppbv		92
8) Dichlorotetrafluoroethane	1.557	85	18122	1.007	ppbv		100
9) Propene	1.486	41	8719	0.981	ppbv		93
10) Heptane	5.001	43	24438	1.029	ppbv		96
11) Trichlorofluoromethane	1.884	101	21425	1.000	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.143	101	17187	1.023	ppbv		95
13) Ethanol	1.725	45	650	0.998	ppbv	#	29
14) Bromoethene	1.787	108	6736	1.096	ppbv	#	88
15) Acetone	1.842	43	19681	1.084	ppbv		95
16) 1,3-Butadiene	1.612	39	8901	1.092	ppbv		98
17) tert-Butyl alcohol	2.049	59	23571	1.054	ppbv		95
18) 1,1-Dichloroethene	2.039	96	7819m	1.033	ppbv		
19) Isopropyl Alcohol	1.894	45	11054	1.026	ppbv	#	32
20) Methylene Chloride	2.065	84	7608	1.060	ppbv	#	89
21) Allyl Chloride	2.101	41	12451	0.990	ppbv		98
22) trans-1,2-Dichloroethene	2.347	96	8819	1.032	ppbv		96
23) Vinyl Acetate	2.470	43	7181	0.908	ppbv	#	93
24) 1,1-Dichloroethane	2.415	63	16623	1.006	ppbv		97
25) Ethyl Acetate	2.845	43	50690	1.035	ppbv		98
26) Hexane	2.836	57	18893	0.975	ppbv		86
27) Carbon Disulfide	2.156	76	18993	0.991	ppbv	#	23
28) Methyl tert-Butyl Ether	2.450	73	17955	1.213	ppbv		98
29) Chloroform	2.858	83	31155	1.017	ppbv		97
30) Cyclohexane	3.871	84	18048	1.074	ppbv		96
31) cis-1,2-Dichloroethene	2.729	61	21124	1.036	ppbv		99
32) 1,1,1-Trichloroethane	3.383	97	30396	1.037	ppbv		98
34) 2-Butanone	2.570	43	29280	1.015	ppbv		99
35) Carbon Tetrachloride	3.774	117	27946	0.979	ppbv		96
36) Benzene	3.671	78	43023	1.035	ppbv		93
37) 1,2-Dichloroethane	3.230	62	23402	1.002	ppbv		98
38) Trichloroethene	4.564	130	16954m	1.027	ppbv		
39) 1,2-Dichloropropane	4.331	63	14570	0.999	ppbv		98
40) 1,4-Dioxane	4.613	88	7345m	0.998	ppbv		
41) Tetrahydrofuran	3.075	42	15580m	0.991	ppbv		
42) Bromodichloromethane	4.509	83	29893m	0.955	ppbv		
43) Methyl Methacrylate	4.901	69	15222	0.985	ppbv		95
44) 2,2,4-Trimethylpentane	4.661	57	68050	1.012	ppbv		98
45) t-1,3-Dichloropropene	6.438	75	13220	0.914	ppbv		92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041891.D
Acq On : 14 Jan 2025 13:59
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	17749	0.935	ppbv		97
47) 1,1,2-Trichloroethane	6.603	97	15658m	1.013	ppbv		
48) Dibromochloromethane	7.402	129	22169	0.929	ppbv		100
49) Bromoform	9.497	173	17876	0.912	ppbv		100
50) 4-Methyl-2-Pentanone	5.787	43	39436m	1.004	ppbv		
51) 2-Hexanone	7.464	43	28999	0.959	ppbv	#	95
52) Tetrachloroethene	8.244	164	14903	1.034	ppbv	#	80
53) Toluene	6.956	91	45140m	0.996	ppbv		
54) 1,2-Dibromoethane	7.668	107	21202	0.997	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.937	131	20255	1.031	ppbv		94
57) Chlorobenzene	8.933	112	38141	1.050	ppbv		98
58) Ethyl Benzene	9.367	91	61537	1.000	ppbv		99
59) m/p-Xylene	9.561	91	99618m	2.016	ppbv		
60) o-Xylene	9.972	91	48888	0.998	ppbv		98
61) Styrene	9.882	104	20285	0.923	ppbv		99
62) Isopropylbenzene	10.549	105	75801	1.000	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.972	83	33289	1.080	ppbv		97
64) n-propylbenzene	11.002	120	19511	1.019	ppbv		99
65) tert-Butylbenzene	11.539	119	70183	1.016	ppbv		98
66) Benzyl Chloride	11.626	91	3681m	0.861	ppbv		
67) sec-Butylbenzene	11.778	105	96749	1.018	ppbv		97
69) p-Isopropyltoluene	11.937	119	79283	1.013	ppbv		98
70) n-Butylbenzene	12.290	91	80664	1.039	ppbv		99
71) 2-Chlorotoluene	10.911	91	55540	0.991	ppbv		99
72) 4-Ethyltoluene	11.134	105	56973	0.973	ppbv		97
73) 1,3,5-Trimethylbenzene	11.215	105	53550	1.035	ppbv		97
74) 1,2,4-Trimethylbenzene	11.545	105	57352	1.024	ppbv		96
75) 1,3-Dichlorobenzene	11.617	146	34810	1.049	ppbv		99
76) 1,4-Dichlorobenzene	11.681	146	33822	1.041	ppbv		97
77) 1,2-Dichlorobenzene	11.960	146	35516	1.080	ppbv		98
78) Hexachloro-1,3-Butadiene	13.892	225	29210	1.082	ppbv		99
79) Naphthalene	13.523	128	66232	1.174	ppbv		98
80) Naphthalene,2-methyl-	14.468	142	28506	1.066	ppbv		98
81) 1,2,4-Trichlorobenzene	13.452	180	29053	1.055	ppbv		99

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

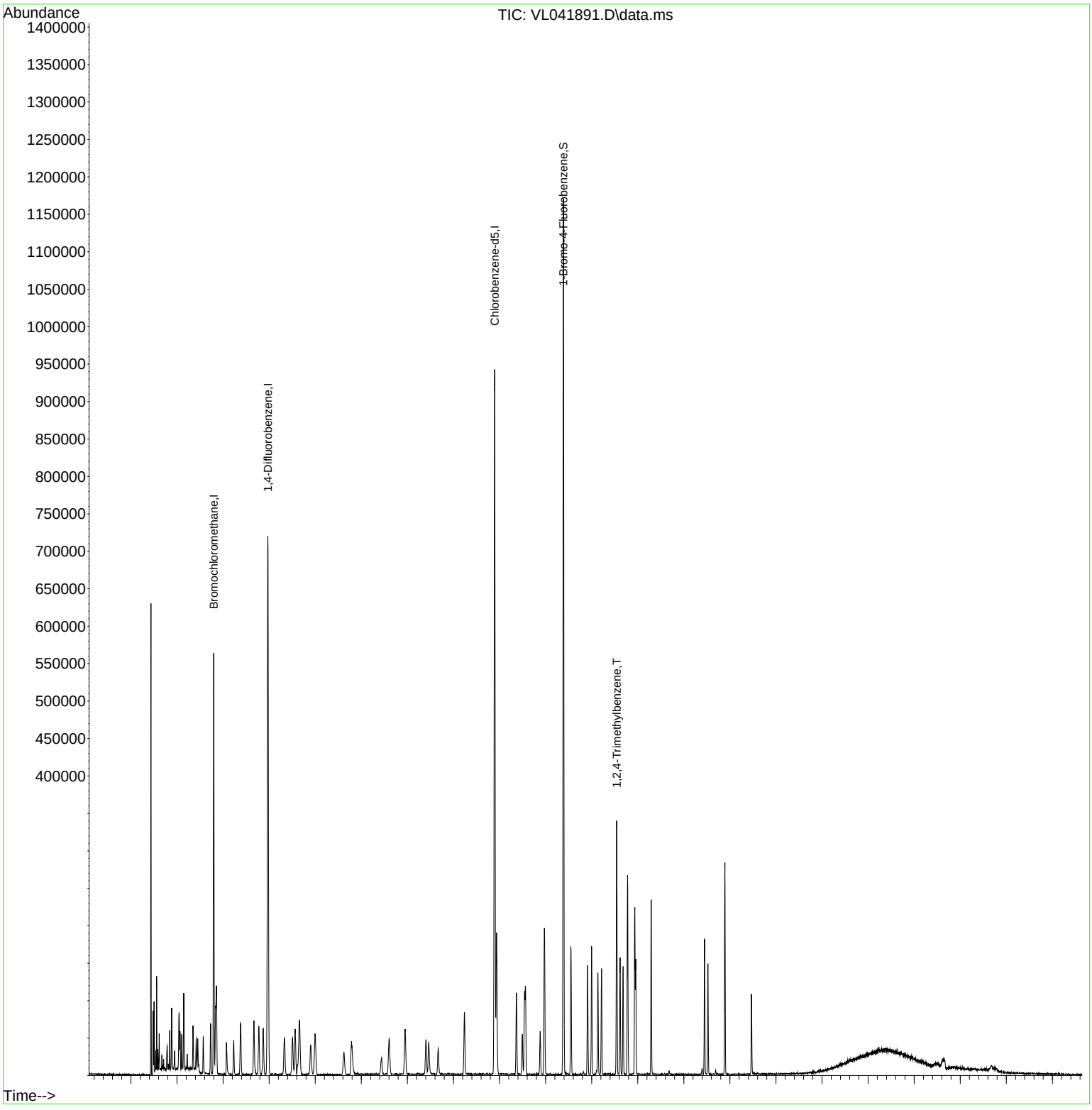
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041891.D
Acq On : 14 Jan 2025 13:59
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:20:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041892.D
Acq On : 14 Jan 2025 14:30
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	146186	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.968	114	430874	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.891	117	379402	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.383	95	297462	9.954	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	10599	0.532	ppbv		99
3) Chlorodifluoromethane	1.476	51	10582	0.507	ppbv		98
4) Chloromethane	1.534	50	3990	0.533	ppbv		98
5) Vinyl Chloride	1.580	62	4097	0.540	ppbv		94
6) Bromomethane	1.670	94	1852	0.512	ppbv	#	78
7) Chloroethane	1.706	64	1532	0.519	ppbv	#	77
8) Dichlorotetrafluoroethane	1.557	85	9372	0.539	ppbv		95
9) Propene	1.486	41	4690	0.546	ppbv		85
10) Heptane	4.988	43	11230	0.489	ppbv		95
11) Trichlorofluoromethane	1.881	101	10873	0.525	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.143	101	8027	0.494	ppbv		90
13) Ethanol	1.725	45	478m	0.759	ppbv		
14) Bromoethene	1.784	108	3071	0.517	ppbv	#	94
15) Acetone	1.839	43	10273	0.585	ppbv		99
16) 1,3-Butadiene	1.612	39	4038	0.512	ppbv		99
17) tert-Butyl alcohol	2.046	59	11158	0.516	ppbv	#	94
18) 1,1-Dichloroethene	2.036	96	3803	0.520	ppbv		95
19) Isopropyl Alcohol	1.891	45	6317	0.607	ppbv	#	32
20) Methylene Chloride	2.065	84	4286	0.618	ppbv		93
21) Allyl Chloride	2.101	41	6553	0.539	ppbv		96
22) trans-1,2-Dichloroethene	2.347	96	4015	0.486	ppbv		89
23) Vinyl Acetate	2.467	43	6381m	0.835	ppbv		
24) 1,1-Dichloroethane	2.415	63	8512	0.533	ppbv		97
25) Ethyl Acetate	2.845	43	23529	0.497	ppbv		97
26) Hexane	2.829	57	9246m	0.494	ppbv		
27) Carbon Disulfide	2.153	76	8847	0.477	ppbv	#	1
28) Methyl tert-Butyl Ether	2.447	73	7621	0.532	ppbv		97
29) Chloroform	2.855	83	15360	0.519	ppbv		92
30) Cyclohexane	3.871	84	7579	0.467	ppbv		92
31) cis-1,2-Dichloroethene	2.726	61	10275	0.521	ppbv	#	89
32) 1,1,1-Trichloroethane	3.379	97	14198	0.501	ppbv		98
34) 2-Butanone	2.567	43	13981	0.510	ppbv		94
35) Carbon Tetrachloride	3.774	117	12590	0.464	ppbv		89
36) Benzene	3.667	78	19954	0.505	ppbv		95
37) 1,2-Dichloroethane	3.227	62	11613	0.523	ppbv		97
38) Trichloroethene	4.561	130	8199	0.523	ppbv	#	89
39) 1,2-Dichloropropane	4.324	63	7526m	0.543	ppbv		
40) 1,4-Dioxane	4.616	88	4031m	0.576	ppbv		
41) Tetrahydrofuran	3.072	42	7183	0.481	ppbv		94
42) Bromodichloromethane	4.499	83	15081m	0.507	ppbv		
43) Methyl Methacrylate	4.891	69	7332m	0.499	ppbv		
44) 2,2,4-Trimethylpentane	4.645	57	31243	0.489	ppbv		95
45) t-1,3-Dichloropropene	6.428	75	6465m	0.470	ppbv		

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041892.D
Acq On : 14 Jan 2025 14:30
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	7986m	0.443	ppbv		
47) 1,1,2-Trichloroethane	6.597	97	7324	0.498	ppbv	#	84
48) Dibromochloromethane	7.393	129	10548m	0.465	ppbv		
49) Bromoform	9.493	173	8162	0.438	ppbv		97
50) 4-Methyl-2-Pentanone	5.794	43	19221m	0.515	ppbv		
51) 2-Hexanone	7.454	43	13390	0.466	ppbv	#	97
52) Tetrachloroethene	8.238	164	6821m	0.498	ppbv		
53) Toluene	6.946	91	20118	0.467	ppbv		96
54) 1,2-Dibromoethane	7.665	107	10511	0.520	ppbv		89
56) 1,1,1,2-Tetrachloroethane	8.930	131	9524	0.503	ppbv	#	1
57) Chlorobenzene	8.930	112	18701	0.534	ppbv	#	90
58) Ethyl Benzene	9.364	91	28584	0.482	ppbv	#	88
59) m/p-Xylene	9.558	91	45003m	0.946	ppbv		
60) o-Xylene	9.972	91	22370	0.474	ppbv		97
61) Styrene	9.879	104	9788	0.463	ppbv		99
62) Isopropylbenzene	10.545	105	36561	0.501	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.969	83	15485	0.521	ppbv		98
64) n-propylbenzene	10.995	120	9128	0.495	ppbv		93
65) tert-Butylbenzene	11.536	119	33122	0.498	ppbv		98
66) Benzyl Chloride	11.620	91	1935	0.470	ppbv		99
67) sec-Butylbenzene	11.775	105	45326	0.495	ppbv		98
69) p-Isopropyltoluene	11.931	119	35136	0.466	ppbv		98
70) n-Butylbenzene	12.287	91	35409	0.473	ppbv		96
71) 2-Chlorotoluene	10.908	91	26436	0.490	ppbv		99
72) 4-Ethyltoluene	11.131	105	27363	0.485	ppbv		97
73) 1,3,5-Trimethylbenzene	11.209	105	23183	0.465	ppbv		93
74) 1,2,4-Trimethylbenzene	11.545	105	25777	0.478	ppbv		89
75) 1,3-Dichlorobenzene	11.610	146	16708	0.522	ppbv		100
76) 1,4-Dichlorobenzene	11.678	146	15738	0.503	ppbv		96
77) 1,2-Dichlorobenzene	11.953	146	16364	0.516	ppbv		93
78) Hexachloro-1,3-Butadiene	13.892	225	14162	0.544	ppbv		96
79) Naphthalene	13.520	128	28052	0.516	ppbv		98
80) Naphthalene,2-methyl-	14.468	142	10859	0.422	ppbv		97
81) 1,2,4-Trichlorobenzene	13.445	180	14136	0.533	ppbv		95

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

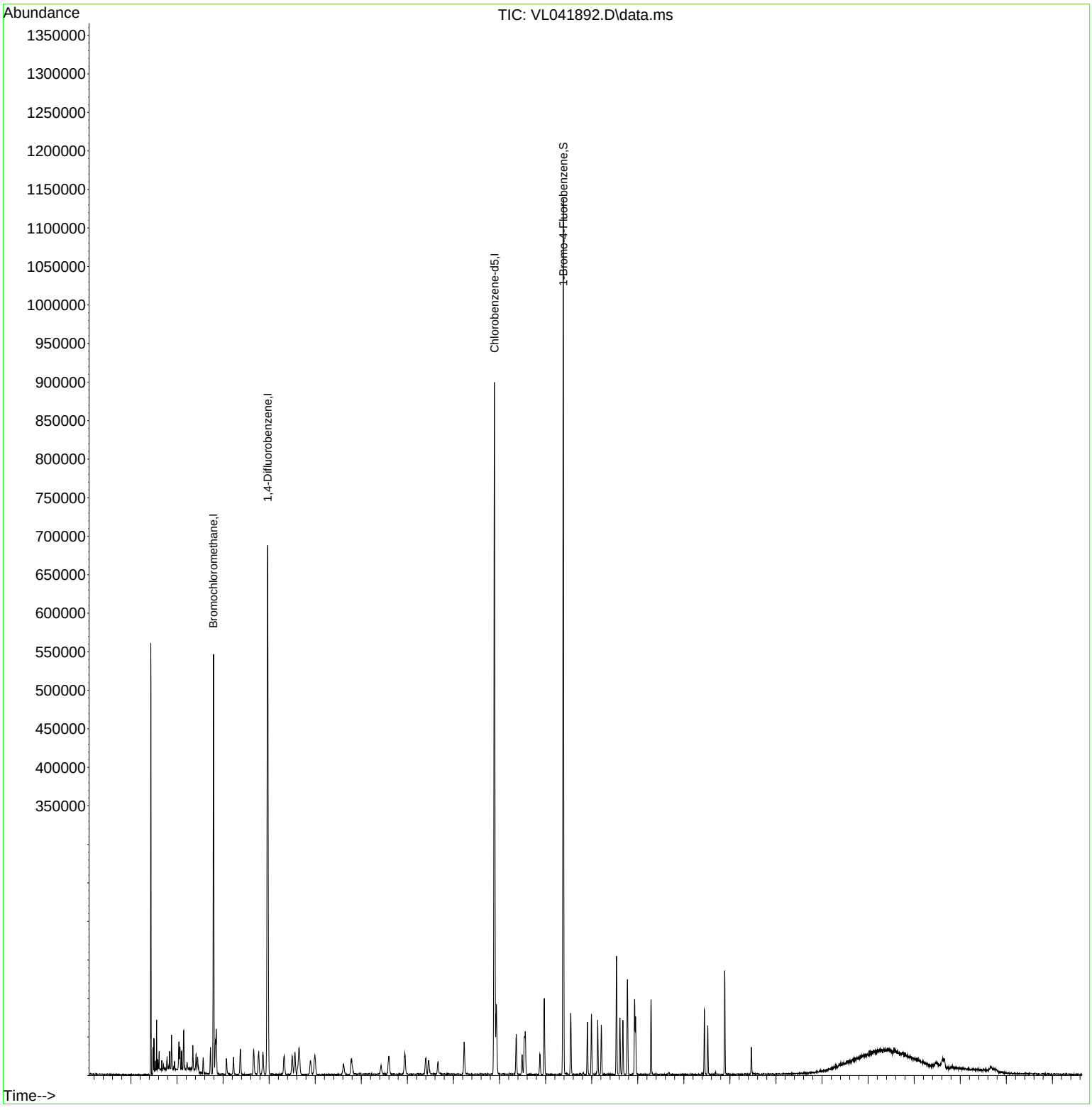
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041892.D
Acq On : 14 Jan 2025 14:30
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041893.D
Acq On : 14 Jan 2025 15:01
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 22:42:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	143362	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	425675	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	372545	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	292283	9.961	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.583	62	828	0.111	ppbv	96
32) 1,1,1-Trichloroethane	3.383	97	2640m	0.095	ppbv	
35) Carbon Tetrachloride	3.768	117	2587m	0.097	ppbv	
38) Trichloroethene	4.557	130	1816m	0.117	ppbv	
52) Tetrachloroethene	8.234	164	1480m	0.109	ppbv	
54) 1,2-Dibromoethane	7.668	107	1872m	0.094	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.976	83	2816	0.097	ppbv	95
79) Naphthalene	13.520	128	3643	0.068	ppbv #	96

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

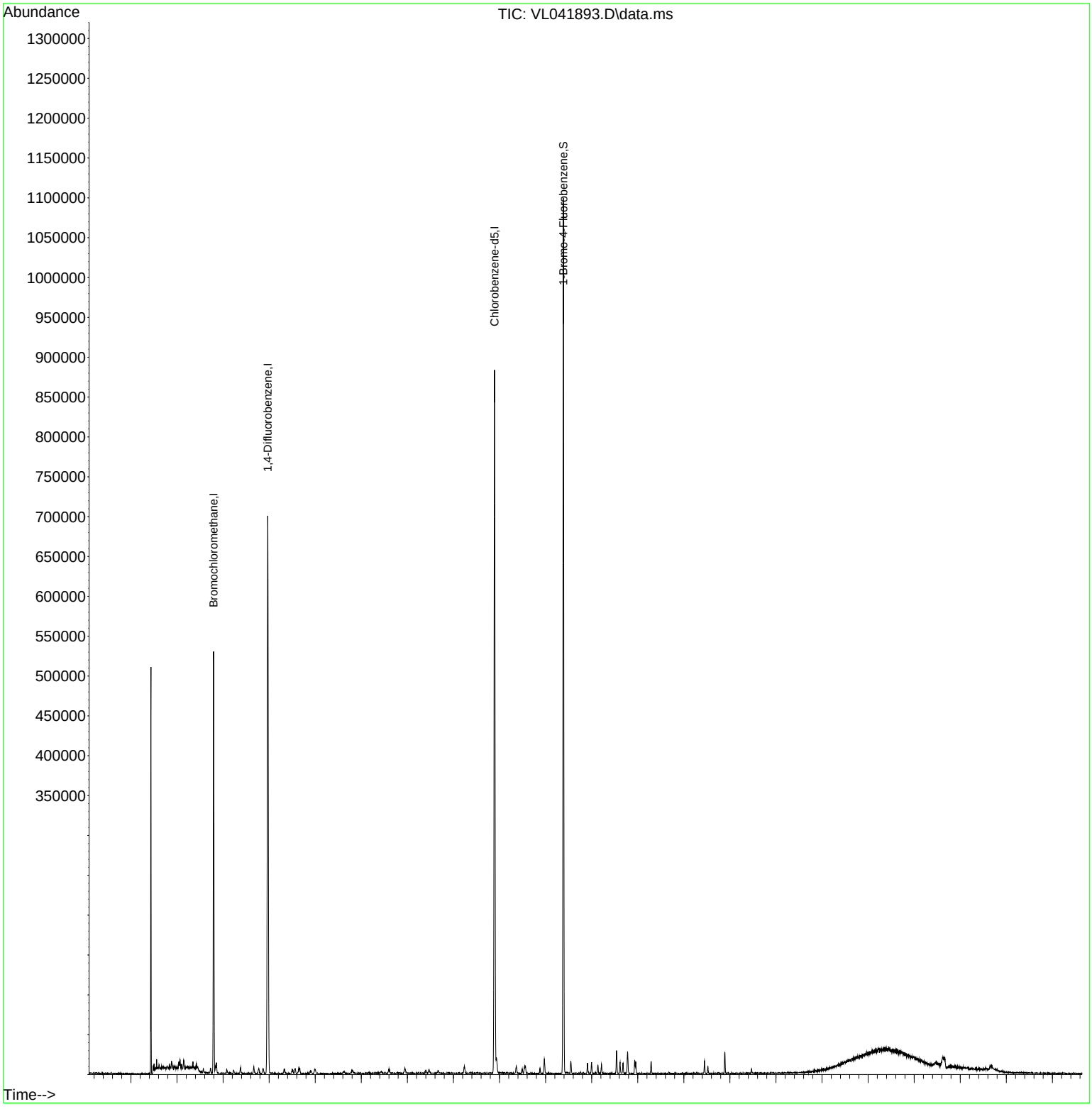
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041893.D
Acq On : 14 Jan 2025 15:01
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 22:42:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041894.D
Acq On : 14 Jan 2025 15:32
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	141659	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	424686	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	367402	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	287792	9.945	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.500%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.586	62	214m	0.029	ppbv	
32) 1,1,1-Trichloroethane	3.379	97	823	0.030	ppbv	85
35) Carbon Tetrachloride	3.774	117	771	0.029	ppbv #	56
38) Trichloroethene	4.557	130	364m	0.024	ppbv	
52) Tetrachloroethene	8.250	164	408m	0.030	ppbv	

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

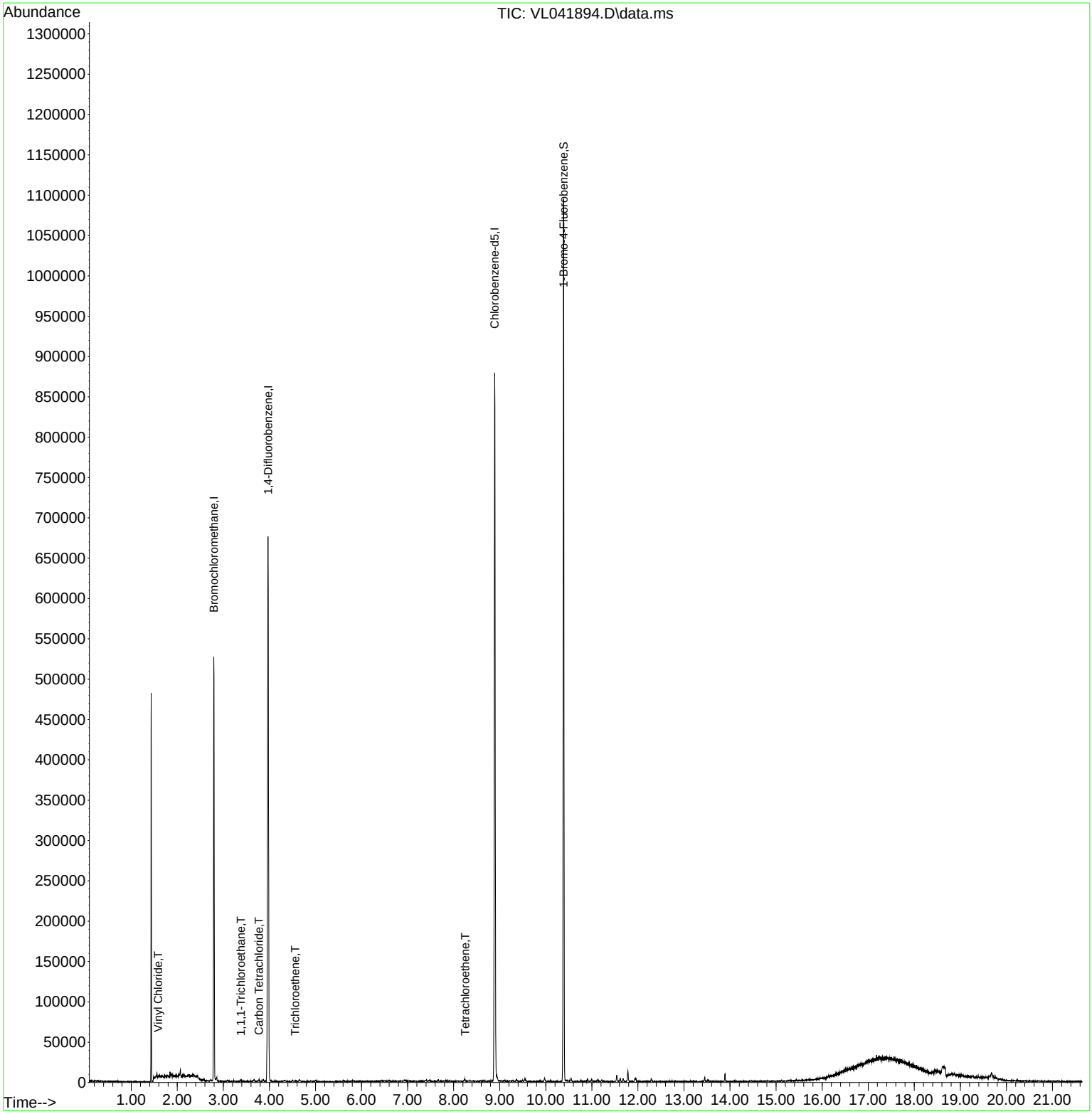
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041894.D
Acq On : 14 Jan 2025 15:32
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041895.D
Acq On : 14 Jan 2025 16:05
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	141652	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	419859	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	383799	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	304042	10.058	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	275248	14.266	ppbv	100
3) Chlorodifluoromethane	1.479	51	285437	14.121	ppbv	98
4) Chloromethane	1.534	50	106071	14.617	ppbv	98
5) Vinyl Chloride	1.583	62	104404	14.204	ppbv	98
6) Bromomethane	1.670	94	49415	14.106	ppbv	91
7) Chloroethane	1.709	64	41130	14.383	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	244666	14.510	ppbv	100
9) Propene	1.486	41	116343	13.972	ppbv	99
10) Heptane	4.998	43	326897	14.688	ppbv	98
11) Trichlorofluoromethane	1.881	101	299656	14.930	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	232607	14.787	ppbv	100
13) Ethanol	1.725	45	6109	10.016	ppbv	83
14) Bromoethene	1.784	108	83586	14.513	ppbv	98
15) Acetone	1.839	43	223353	13.128	ppbv	99
16) 1,3-Butadiene	1.612	39	109420	14.329	ppbv	99
17) tert-Butyl alcohol	2.046	59	298424	14.252	ppbv	99
18) 1,1-Dichloroethene	2.039	96	104645	14.759	ppbv	92
19) Isopropyl Alcohol	1.890	45	134050	13.288	ppbv	98
20) Methylene Chloride	2.065	84	88425	13.151	ppbv	98
21) Allyl Chloride	2.101	41	169875	14.419	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	118169	14.768	ppbv	97
23) Vinyl Acetate	2.470	43	116632	15.747	ppbv	98
24) 1,1-Dichloroethane	2.415	63	230015	14.862	ppbv	99
25) Ethyl Acetate	2.842	43	665170	14.499	ppbv	100
26) Hexane	2.836	57	263948	14.547	ppbv	97
27) Carbon Disulfide	2.156	76	278476	15.509	ppbv	99
28) Methyl tert-Butyl Ether	2.447	73	187986	13.555	ppbv	98
29) Chloroform	2.858	83	413733	14.424	ppbv	98
30) Cyclohexane	3.868	84	233398	14.830	ppbv	99
31) cis-1,2-Dichloroethene	2.729	61	271739	14.223	ppbv	94
32) 1,1,1-Trichloroethane	3.379	97	419117	15.271	ppbv	99
34) 2-Butanone	2.564	43	380813	14.262	ppbv	99
35) Carbon Tetrachloride	3.774	117	426619	16.146	ppbv	97
36) Benzene	3.667	78	553665	14.378	ppbv	100
37) 1,2-Dichloroethane	3.227	62	321362	14.859	ppbv	99
38) Trichloroethene	4.564	130	222328	14.543	ppbv	98
39) 1,2-Dichloropropane	4.328	63	191532	14.179	ppbv	98
40) 1,4-Dioxane	4.596	88	97521	14.305	ppbv #	93
41) Tetrahydrofuran	3.062	42	217707	14.953	ppbv	99
42) Bromodichloromethane	4.502	83	445130	15.351	ppbv	95
43) Methyl Methacrylate	4.894	69	214564	14.999	ppbv	99
44) 2,2,4-Trimethylpentane	4.655	57	909437	14.601	ppbv	100
45) t-1,3-Dichloropropene	6.435	75	218001	16.281	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041895.D
Acq On : 14 Jan 2025 16:05
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	281492	16.011	ppbv		98
47) 1,1,2-Trichloroethane	6.597	97	211658	14.782	ppbv		95
48) Dibromochloromethane	7.402	129	356392	16.134	ppbv		100
49) Bromoform	9.493	173	307617	16.953	ppbv		99
50) 4-Methyl-2-Pentanone	5.774	43	533053	14.653	ppbv		99
51) 2-Hexanone	7.451	43	430297	15.363	ppbv	#	97
52) Tetrachloroethene	8.237	164	183208	13.721	ppbv		96
53) Toluene	6.949	91	634515	15.126	ppbv		99
54) 1,2-Dibromoethane	7.665	107	295967	15.036	ppbv		93
56) 1,1,1,2-Tetrachloroethane	8.937	131	280809	14.665	ppbv		98
57) Chlorobenzene	8.933	112	479092	13.533	ppbv		99
58) Ethyl Benzene	9.367	91	887072	14.789	ppbv		100
59) m/p-Xylene	9.565	91	1420585m	29.506	ppbv		
60) o-Xylene	9.976	91	704577	14.765	ppbv		100
61) Styrene	9.882	104	342490	15.999	ppbv		99
62) Isopropylbenzene	10.548	105	1063809	14.406	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.976	83	426347	14.194	ppbv		100
64) n-propylbenzene	10.998	120	266972	14.308	ppbv		100
65) tert-Butylbenzene	11.542	119	947297	14.077	ppbv		98
66) Benzyl Chloride	11.626	91	68623	16.475	ppbv		98
67) sec-Butylbenzene	11.778	105	1292858	13.952	ppbv		100
69) p-Isopropyltoluene	11.937	119	1089109	14.273	ppbv		99
70) n-Butylbenzene	12.290	91	1059002	13.994	ppbv		99
71) 2-Chlorotoluene	10.911	91	797555	14.601	ppbv		100
72) 4-Ethyltoluene	11.134	105	847451	14.846	ppbv		99
73) 1,3,5-Trimethylbenzene	11.215	105	733759	14.556	ppbv		96
74) 1,2,4-Trimethylbenzene	11.549	105	773569	14.170	ppbv		92
75) 1,3-Dichlorobenzene	11.620	146	443828	13.720	ppbv		99
76) 1,4-Dichlorobenzene	11.681	146	447164	14.129	ppbv		99
77) 1,2-Dichlorobenzene	11.956	146	429118	13.385	ppbv		99
78) Hexachloro-1,3-Butadiene	13.892	225	335016	12.731	ppbv		100
79) Naphthalene	13.523	128	724573	13.183	ppbv		99
80) Naphthalene,2-methyl-	14.468	142	278955	10.704	ppbv		99
81) 1,2,4-Trichlorobenzene	13.452	180	342977	12.784	ppbv		98

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

Quantitation Report (QT Reviewed)

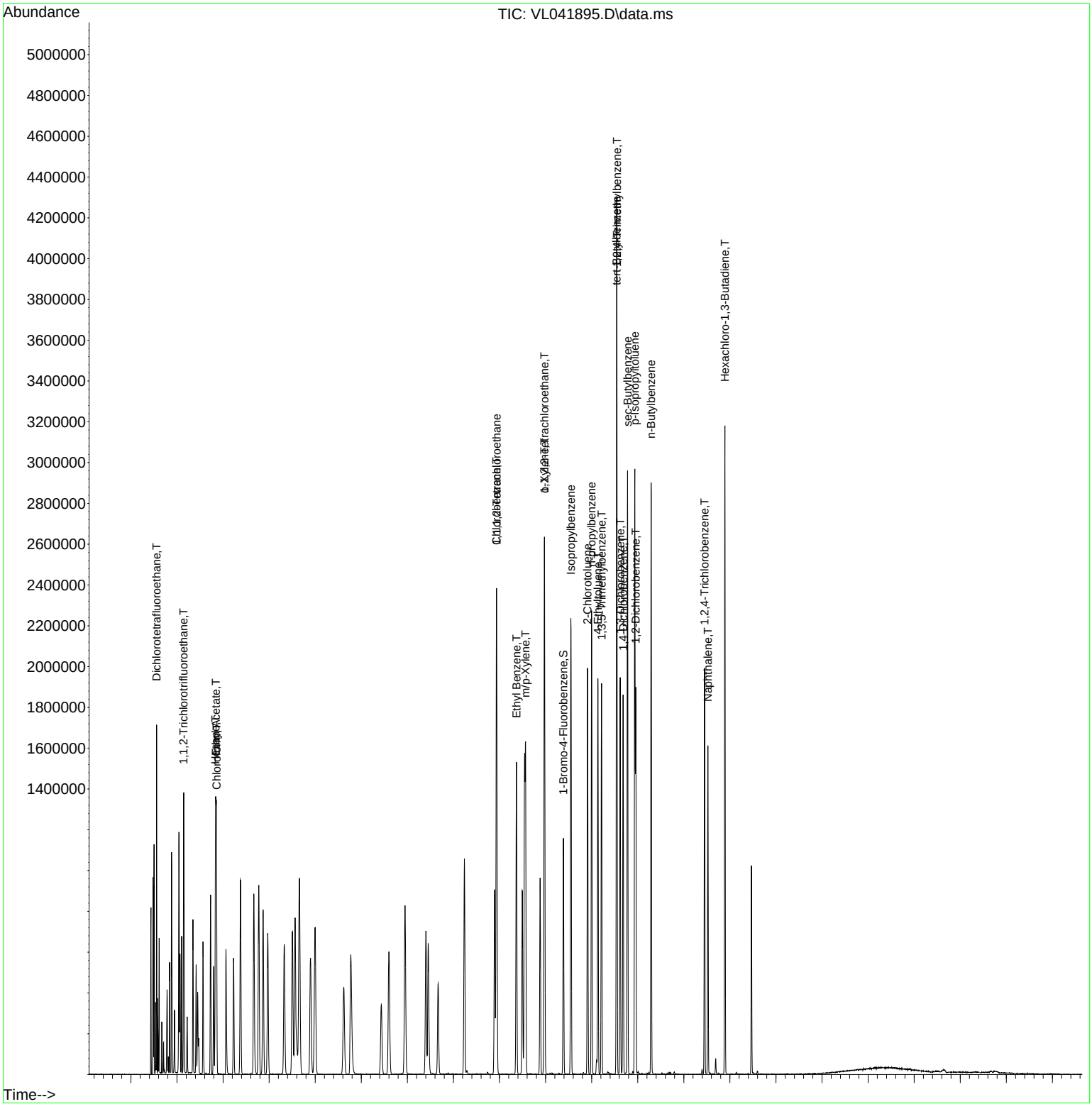
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041895.D
Acq On : 14 Jan 2025 16:05
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 21:21:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 16:31:18 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041896.D
Acq On : 14 Jan 2025 17:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 15 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL011425

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	141664	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	417936	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	373391	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	298000	10.133	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	190925	9.894	ppbv	97
3) Chlorodifluoromethane	1.479	51	200455	9.916	ppbv	100
4) Chloromethane	1.534	50	71767	9.889	ppbv	95
5) Vinyl Chloride	1.583	62	71974	9.791	ppbv	94
6) Bromomethane	1.670	94	33594	9.589	ppbv	96
7) Chloroethane	1.706	64	29553	10.333	ppbv	100
8) Dichlorotetrafluoroethane	1.557	85	163783	9.712	ppbv	99
9) Propene	1.486	41	82320	9.886	ppbv	99
10) Heptane	4.998	43	225230	10.119	ppbv	99
11) Trichlorofluoromethane	1.881	101	198523	9.890	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	159862	10.162	ppbv	100
13) Ethanol	1.725	45	3780	6.197	ppbv	97
14) Bromoethene	1.784	108	57260	9.941	ppbv	98
15) Acetone	1.839	43	150112	8.822	ppbv	98
16) 1,3-Butadiene	1.612	39	73640	9.643	ppbv	100
17) tert-Butyl alcohol	2.046	59	204358	9.758	ppbv	98
18) 1,1-Dichloroethene	2.039	96	71011	10.015	ppbv	96
19) Isopropyl Alcohol	1.890	45	93592	9.277	ppbv	97
20) Methylene Chloride	2.065	84	60115	8.940	ppbv	97
21) Allyl Chloride	2.101	41	118907	10.092	ppbv	97
22) trans-1,2-Dichloroethene	2.347	96	77379	9.669	ppbv	96
23) Vinyl Acetate	2.470	43	80428	9.536	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	155440	10.042	ppbv	98
25) Ethyl Acetate	2.842	43	458484	9.993	ppbv	100
26) Hexane	2.832	57	184436	10.164	ppbv	99
27) Carbon Disulfide	2.156	76	186668	10.395	ppbv	98
28) Methyl tert-Butyl Ether	2.447	73	112489	8.110	ppbv	99
29) Chloroform	2.855	83	282467	9.847	ppbv	99
30) Cyclohexane	3.865	84	159296	10.120	ppbv	99
31) cis-1,2-Dichloroethene	2.729	61	187012	9.787	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	284661	10.371	ppbv	99
34) 2-Butanone	2.564	43	261536	9.840	ppbv	99
35) Carbon Tetrachloride	3.771	117	285391	10.871	ppbv	96
36) Benzene	3.667	78	374271	9.764	ppbv	99
37) 1,2-Dichloroethane	3.227	62	214545	9.966	ppbv	100
38) Trichloroethene	4.564	130	153255	10.075	ppbv	95
39) 1,2-Dichloropropane	4.324	63	130483	9.704	ppbv	97
40) 1,4-Dioxane	4.599	88	63736	9.386	ppbv #	99
41) Tetrahydrofuran	3.062	42	148132	10.255	ppbv	98
42) Bromodichloromethane	4.506	83	299656	10.381	ppbv	96
43) Methyl Methacrylate	4.894	69	145663	10.229	ppbv	100
44) 2,2,4-Trimethylpentane	4.654	57	619804	9.997	ppbv	100
45) t-1,3-Dichloropropene	6.428	75	145145	10.889	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041896.D
Acq On : 14 Jan 2025 17:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 15 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL011425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.616	75	186898	10.680	ppbv		98
47)	1,1,2-Trichloroethane	6.596	97	140891	9.886	ppbv		97
48)	Dibromochloromethane	7.399	129	238244	10.835	ppbv		100
49)	Bromoform	9.493	173	201141	11.136	ppbv		99
50)	4-Methyl-2-Pentanone	5.771	43	363675	10.023	ppbv		99
51)	2-Hexanone	7.451	43	284058	10.189	ppbv	#	99
52)	Tetrachloroethene	8.237	164	127806	9.616	ppbv		98
53)	Toluene	6.949	91	427033	10.227	ppbv		99
54)	1,2-Dibromoethane	7.665	107	199339	10.175	ppbv		95
56)	1,1,1,2-Tetrachloroethane	8.937	131	188209	10.103	ppbv		99
57)	Chlorobenzene	8.933	112	329025	9.553	ppbv		99
58)	Ethyl Benzene	9.364	91	601857	10.314	ppbv		99
59)	m/p-Xylene	9.561	91	964838m	20.628	ppbv		
60)	o-Xylene	9.972	91	480442	10.348	ppbv		100
61)	Styrene	9.878	104	229797	11.034	ppbv		99
62)	Isopropylbenzene	10.548	105	728189	10.136	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.972	83	290998	9.809	ppbv		100
64)	n-propylbenzene	10.998	120	182397	10.048	ppbv		98
65)	tert-Butylbenzene	11.539	119	657521	10.043	ppbv		100
66)	Benzyl Chloride	11.623	91	42509	10.490	ppbv	#	97
67)	sec-Butylbenzene	11.778	105	901260	9.997	ppbv		98
69)	p-Isopropyltoluene	11.934	119	745566	10.043	ppbv		99
70)	n-Butylbenzene	12.290	91	733637	9.965	ppbv		99
71)	2-Chlorotoluene	10.911	91	543858	10.234	ppbv		100
72)	4-Ethyltoluene	11.134	105	568921	10.245	ppbv		99
73)	1,3,5-Trimethylbenzene	11.212	105	493388	10.061	ppbv		99
74)	1,2,4-Trimethylbenzene	11.545	105	528225	9.946	ppbv		98
75)	1,3-Dichlorobenzene	11.617	146	304133	9.664	ppbv		99
76)	1,4-Dichlorobenzene	11.681	146	297765	9.670	ppbv		99
77)	1,2-Dichlorobenzene	11.956	146	298039	9.555	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.889	225	228592	8.929	ppbv		99
79)	Naphthalene	13.523	128	497063	9.295	ppbv		99
80)	Naphthalene,2-methyl-	14.468	142	187571	7.398	ppbv		98
81)	1,2,4-Trichlorobenzene	13.448	180	236181	9.049	ppbv		99

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

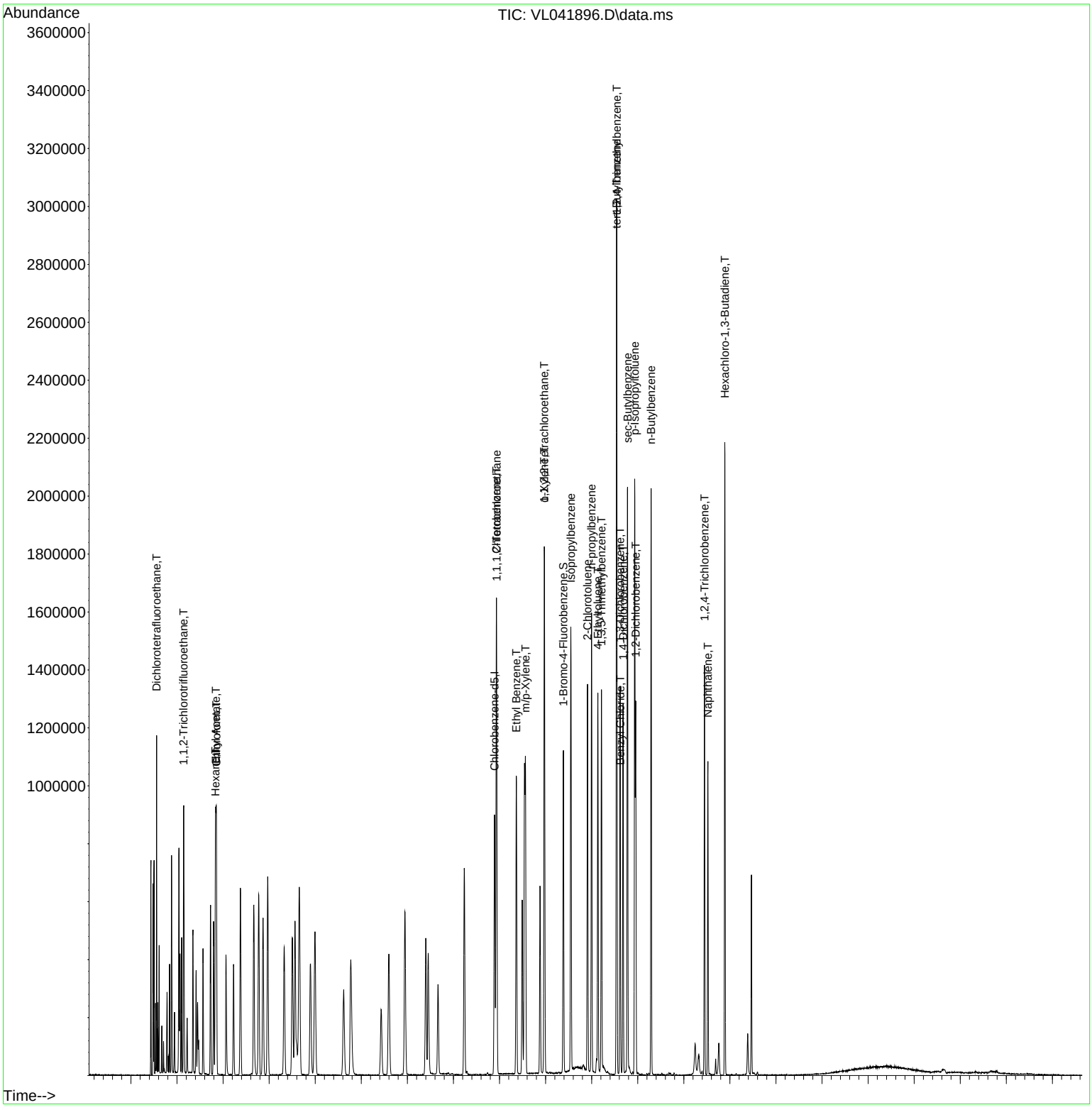
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041896.D
Acq On : 14 Jan 2025 17:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 15 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL011425

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041896.D
Acq On : 14 Jan 2025 17:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL011425

Quant Time: Jan 15 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 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	1.362	1.348	1.0	96	0.00
3		Chlorodifluoromethane	1.427	1.415	0.8	99	0.00
4		Chloromethane	0.512	0.507	1.0	96	0.00
5	T	Vinyl Chloride	0.519	0.508	2.1	101	0.00
6	T	Bromomethane	0.247	0.237	4.0	96	0.00
7		Chloroethane	0.202	0.209	-3.5	101	0.00
8	T	Dichlorotetrafluoroethane	1.190	1.156	2.9	98	0.00
9	T	Propene	0.588	0.581	1.2	95	0.00
10	T	Heptane	1.571	1.590	-1.2	97	0.00
11	T	Trichlorofluoromethane	1.417	1.401	1.1	98	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.110	1.128	-1.6	99	0.00
13		Ethanol	0.043	0.027#	37.2#	91	0.00
14	T	Bromoethene	0.407	0.404	0.7	101	0.00
15	T	Acetone	1.201	1.060	11.7	99	0.00
16	T	1,3-Butadiene	0.539	0.520	3.5	98	0.00
17		tert-Butyl alcohol	1.478	1.443	2.4	96	0.00
18	T	1,1-Dichloroethene	0.501	0.501	0.0	102	0.00
19	T	Isopropyl Alcohol	0.712	0.661	7.2	99	0.00
20	T	Methylene Chloride	0.475	0.424	10.7	101	0.00
21	T	Allyl Chloride	0.832	0.839	-0.8	99	0.00
22	T	trans-1,2-Dichloroethene	0.565	0.546	3.4	94	0.00
23	T	Vinyl Acetate	0.595	0.568	4.5	98	0.00
24	T	1,1-Dichloroethane	1.093	1.097	-0.4	100	0.00
25	T	Ethyl Acetate	3.239	3.236	0.1	97	0.00
26	T	Hexane	1.281	1.302	-1.6	96	0.00
27	T	Carbon Disulfide	1.268	1.318	-3.9	97	0.00
28	T	Methyl tert-Butyl Ether	0.979	0.794	18.9	95	0.00
29	T	Chloroform	2.025	1.994	1.5	97	0.00
30	T	Cyclohexane	1.111	1.124	-1.2	97	0.00
31	T	cis-1,2-Dichloroethene	1.349	1.320	2.1	97	0.00
32	T	1,1,1-Trichloroethane	1.938	2.009	-3.7	98	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
34	T	2-Butanone	0.636	0.626	1.6	97	0.00
35	T	Carbon Tetrachloride	0.628	0.683	-8.8	98	0.00
36	T	Benzene	0.917	0.896	2.3	94	0.00
37	T	1,2-Dichloroethane	0.515	0.513	0.4	97	0.00
38	T	Trichloroethene	0.364	0.367	-0.8	96	0.00
39	T	1,2-Dichloropropane	0.322	0.312	3.1	95	0.00
40	T	1,4-Dioxane	0.162	0.153	5.6	96	0.00
41	T	Tetrahydrofuran	0.346	0.354	-2.3	95	0.00
42	T	Bromodichloromethane	0.691	0.717	-3.8	98	0.00
43		Methyl Methacrylate	0.341	0.349	-2.3	96	0.00
44	T	2,2,4-Trimethylpentane	1.484	1.483	0.1	95	0.00
45	T	t-1,3-Dichloropropene	0.319	0.347	-8.8	96	0.00
46	T	cis-1,3-Dichloropropene	0.419	0.447	-6.7	93	0.00
47	T	1,1,2-Trichloroethane	0.341	0.337	1.2	94	0.00
48	T	Dibromochloromethane	0.526	0.570	-8.4	97	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041896.D
Acq On : 14 Jan 2025 17:33
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL011425

Quant Time: Jan 15 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 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	0.432	0.481	-11.3	97	0.00
50	T	4-Methyl-2-Pentanone	0.868	0.870	-0.2	97	0.00
51	T	2-Hexanone	0.667	0.680	-1.9	97	0.00
52	T	Tetrachloroethene	0.318	0.306	3.8	97	0.00
53	T	Toluene	0.999	1.022	-2.3	94	0.00
54	T	1,2-Dibromoethane	0.469	0.477	-1.7	98	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
56		1,1,1,2-Tetrachloroethane	0.499	0.504	-1.0	98	0.00
57	T	Chlorobenzene	0.922	0.881	4.4	97	0.00
58	T	Ethyl Benzene	1.563	1.612	-3.1	97	0.00
59	T	m/p-Xylene	1.253	1.292	-3.1	99	0.00
60	T	o-Xylene	1.243	1.287	-3.5	98	0.00
61	T	Styrene	0.558	0.615	-10.2	98	0.00
62		Isopropylbenzene	1.924	1.950	-1.4	98	0.00
63	T	1,1,2,2-Tetrachloroethane	0.795	0.779	2.0	97	0.00
64		n-propylbenzene	0.486	0.488	-0.4	97	0.00
65		tert-Butylbenzene	1.753	1.761	-0.5	98	0.00
66	T	Benzyl Chloride	0.109	0.114	-4.6	92	0.00
67		sec-Butylbenzene	2.414	2.414	0.0	98	0.00
68	S	1-Bromo-4-Fluorobenzene	0.788	0.798	-1.3	95	0.00
69		p-Isopropyltoluene	1.988	1.997	-0.5	97	0.00
70		n-Butylbenzene	1.972	1.965	0.4	97	0.00
71		2-Chlorotoluene	1.423	1.457	-2.4	98	0.00
72	T	4-Ethyltoluene	1.487	1.524	-2.5	97	0.00
73	T	1,3,5-Trimethylbenzene	1.313	1.321	-0.6	98	0.00
74	T	1,2,4-Trimethylbenzene	1.422	1.415	0.5	98	0.00
75	T	1,3-Dichlorobenzene	0.843	0.815	3.3	98	0.00
76	T	1,4-Dichlorobenzene	0.825	0.797	3.4	97	0.00
77	T	1,2-Dichlorobenzene	0.835	0.798	4.4	98	0.00
78	T	Hexachloro-1,3-Butadiene	0.686	0.612	10.8	97	0.00
79	T	Naphthalene	1.432	1.331	7.1	99	0.00
80	T	Naphthalene,2-methyl-	0.679	0.502	26.1	101	0.00
81	T	1,2,4-Trichlorobenzene	0.699	0.633	9.4	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

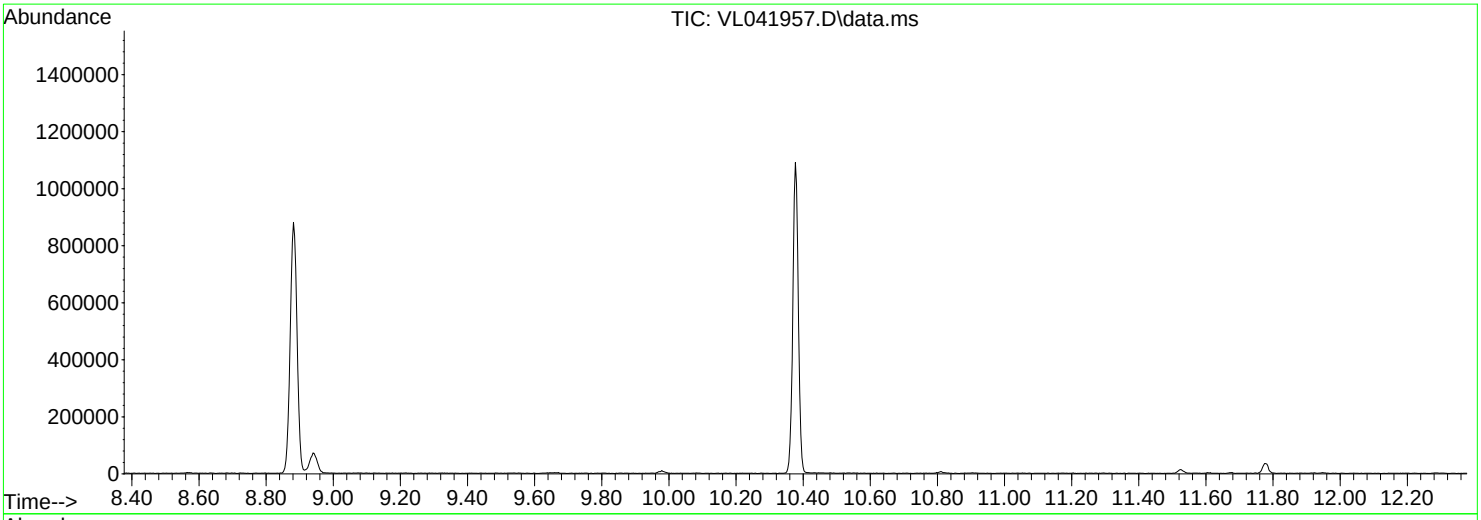
BFB

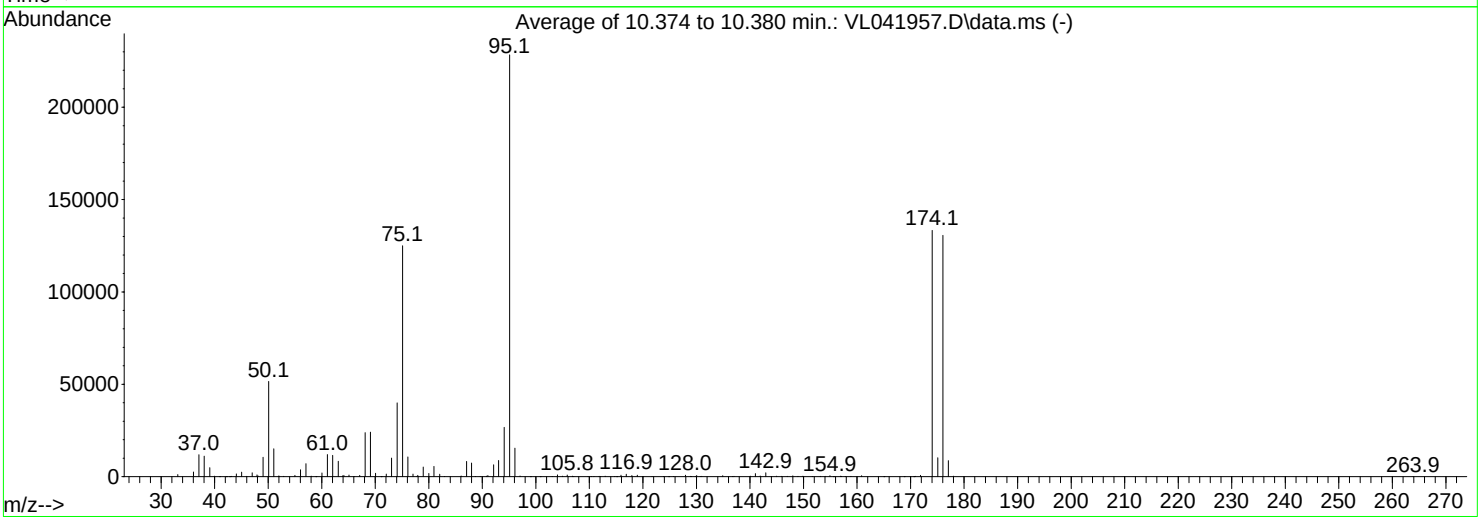
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041957.D
Acq On : 03 Feb 2025 09:47
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Tue Jan 14 23:15:42 2025





AutoFind: Scans 3178, 3179, 3180; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.6	51539	PASS
75	95	30	66	54.7	125019	PASS
95	95	100	100	100.0	228352	PASS
96	95	5	9	6.8	15439	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	58.4	133352	PASS
175	174	4	9	7.7	10244	PASS
176	174	93	101	98.0	130661	PASS
177	176	5	9	6.6	8641	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041958.D
Acq On : 03 Feb 2025 10:48
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 02:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	157470	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	429487	10.000	ppbv	-0.01
55) Chlorobenzene-d5	8.885	117	371333	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	289698	9.905	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	218366	10.181	ppbv	100
3) Chlorodifluoromethane	1.477	51	231387	10.298	ppbv	99
4) Chloromethane	1.535	50	86482	10.721	ppbv	97
5) Vinyl Chloride	1.580	62	83248	10.188	ppbv	98
6) Bromomethane	1.667	94	38248	9.822	ppbv	99
7) Chloroethane	1.706	64	34164	10.747	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	186350	9.941	ppbv	99
9) Propene	1.483	41	95902	10.361	ppbv	98
10) Heptane	4.985	43	266975	10.790	ppbv	97
11) Trichlorofluoromethane	1.878	101	212261	9.513	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	162930	9.317	ppbv	99
13) Ethanol	1.722	45	4416	6.513	ppbv	99
14) Bromoethene	1.784	108	60620	9.468	ppbv	100
15) Acetone	1.836	43	176459	9.330	ppbv	99
16) 1,3-Butadiene	1.609	39	86792	10.224	ppbv	99
17) tert-Butyl alcohol	2.043	59	206522	8.872	ppbv	99
18) 1,1-Dichloroethene	2.036	96	74437	9.444	ppbv	93
19) Isopropyl Alcohol	1.888	45	101008	9.007	ppbv	94
20) Methylene Chloride	2.062	84	62977	8.426	ppbv	95
21) Allyl Chloride	2.098	41	126741	9.677	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	86281	9.700	ppbv	97
23) Vinyl Acetate	2.467	43	84390	9.001	ppbv #	98
24) 1,1-Dichloroethane	2.412	63	171515	9.969	ppbv	100
25) Ethyl Acetate	2.839	43	552271	10.829	ppbv	100
26) Hexane	2.829	57	216097	10.713	ppbv	95
27) Carbon Disulfide	2.153	76	200432	10.041	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	149839	9.719	ppbv	100
29) Chloroform	2.852	83	333879	10.471	ppbv	100
30) Cyclohexane	3.862	84	183180	10.470	ppbv	98
31) cis-1,2-Dichloroethene	2.723	61	208686	9.825	ppbv	95
32) 1,1,1-Trichloroethane	3.370	97	318650	10.444	ppbv	99
34) 2-Butanone	2.561	43	312946	11.458	ppbv	99
35) Carbon Tetrachloride	3.765	117	320703	11.888	ppbv	99
36) Benzene	3.661	78	444350	11.280	ppbv	97
37) 1,2-Dichloroethane	3.221	62	241263	10.905	ppbv	99
38) Trichloroethene	4.551	130	175365	11.218	ppbv	90
39) 1,2-Dichloropropane	4.322	63	155514	11.255	ppbv	98
40) 1,4-Dioxane	4.590	88	74675	10.701	ppbv #	97
41) Tetrahydrofuran	3.059	42	174208	11.736	ppbv	98
42) Bromodichloromethane	4.496	83	344670	11.620	ppbv	96
43) Methyl Methacrylate	4.888	69	156216	10.675	ppbv	95
44) 2,2,4-Trimethylpentane	4.645	57	751181	11.790	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	148089	10.811	ppbv	98

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041958.D
Acq On : 03 Feb 2025 10:48
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 02:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.610	75	202762	11.274	ppbv		99
47)	1,1,2-Trichloroethane	6.590	97	167097	11.410	ppbv		98
48)	Dibromochloromethane	7.393	129	269437	11.924	ppbv		99
49)	Bromoform	9.487	173	225054	12.125	ppbv		100
50)	4-Methyl-2-Pentanone	5.762	43	428753	11.499	ppbv		98
51)	2-Hexanone	7.445	43	336693	11.752	ppbv	#	96
52)	Tetrachloroethene	8.231	164	139466	10.211	ppbv		95
53)	Toluene	6.940	91	483814	11.275	ppbv		100
54)	1,2-Dibromoethane	7.659	107	229203	11.384	ppbv		97
56)	1,1,1,2-Tetrachloroethane	8.931	131	220185	11.885	ppbv		99
57)	Chlorobenzene	8.927	112	386374	11.280	ppbv		98
58)	Ethyl Benzene	9.358	91	669174	11.531	ppbv		97
59)	m/p-Xylene	9.555	91	1106231m	23.782	ppbv		
60)	o-Xylene	9.969	91	555194	12.025	ppbv		98
61)	Styrene	9.876	104	246355	11.895	ppbv		99
62)	Isopropylbenzene	10.542	105	834260	11.677	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.966	83	362310	12.280	ppbv		99
64)	n-propylbenzene	10.992	120	215585	11.942	ppbv		98
65)	tert-Butylbenzene	11.536	119	746398	11.464	ppbv		99
66)	Benzyl Chloride	11.620	91	44973	11.160	ppbv		98
67)	sec-Butylbenzene	11.772	105	1044912	11.655	ppbv		100
69)	p-Isopropyltoluene	11.931	119	867909	11.756	ppbv		99
70)	n-Butylbenzene	12.284	91	848499	11.589	ppbv		100
71)	2-Chlorotoluene	10.905	91	615388	11.644	ppbv		98
72)	4-Ethyltoluene	11.128	105	658660	11.926	ppbv		100
73)	1,3,5-Trimethylbenzene	11.209	105	566361	11.613	ppbv		96
74)	1,2,4-Trimethylbenzene	11.542	105	616177	11.666	ppbv		90
75)	1,3-Dichlorobenzene	11.614	146	357966	11.437	ppbv		99
76)	1,4-Dichlorobenzene	11.675	146	352145	11.500	ppbv		100
77)	1,2-Dichlorobenzene	11.950	146	355386	11.457	ppbv		100
78)	Hexachloro-1,3-Butadiene	13.886	225	247691	9.729	ppbv		99
79)	Naphthalene	13.517	128	553420	10.407	ppbv		99
80)	Naphthalene,2-methyl-	14.465	142	173813	6.894	ppbv		97
81)	1,2,4-Trichlorobenzene	13.446	180	251038	9.671	ppbv		98

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

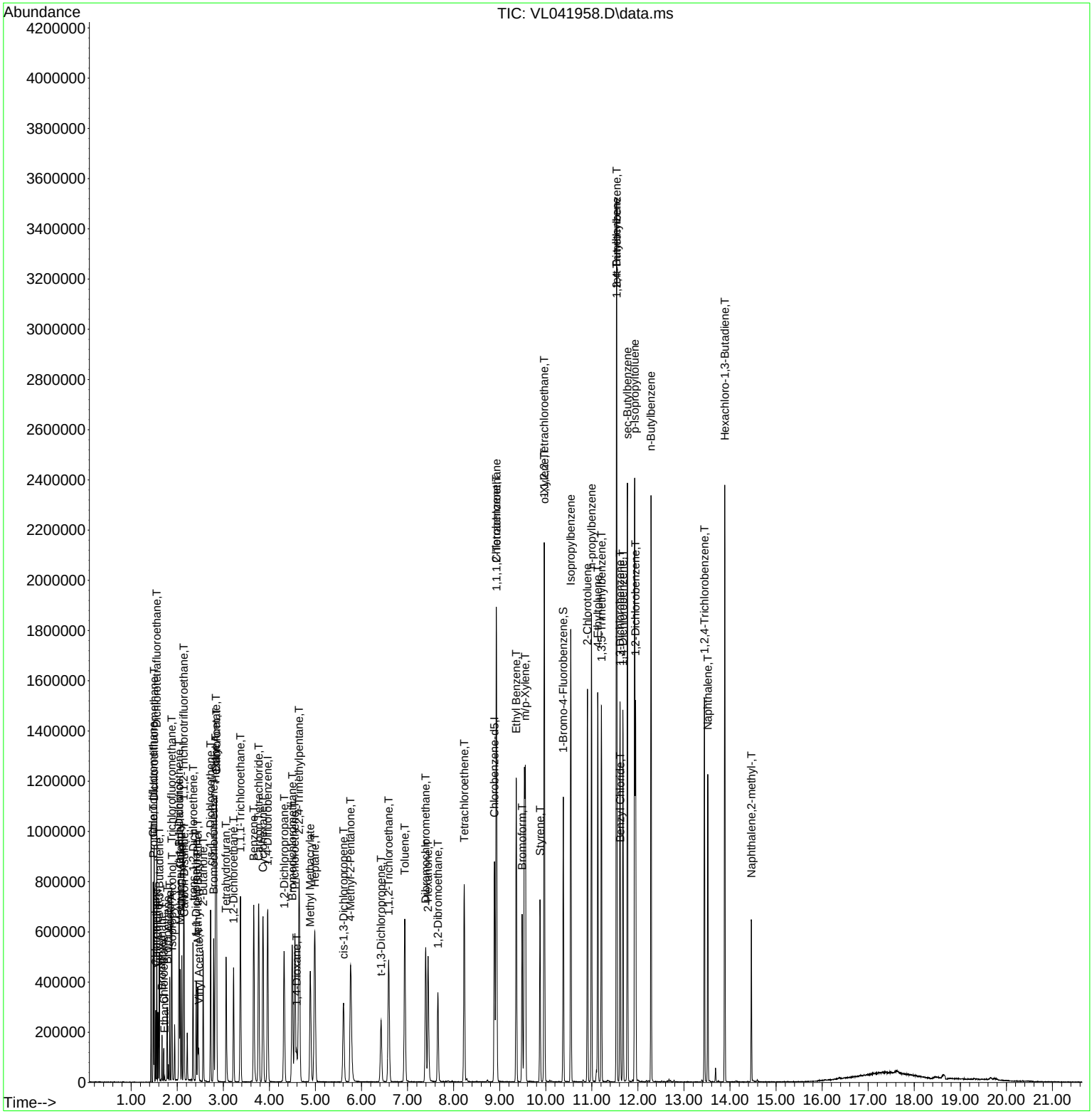
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041958.D
Acq On : 03 Feb 2025 10:48
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 04 02:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041958.D
Acq On : 03 Feb 2025 10:48
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Feb 04 02:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 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	103	0.00
2	T	Dichlorodifluoromethane	1.362	1.387	-1.8	110	0.00
3		Chlorodifluoromethane	1.427	1.469	-2.9	114	0.00
4		Chloromethane	0.512	0.549	-7.2	115	0.00
5	T	Vinyl Chloride	0.519	0.529	-1.9	117	0.00
6	T	Bromomethane	0.247	0.243	1.6	110	0.00
7		Chloroethane	0.202	0.217	-7.4	116	0.00
8	T	Dichlorotetrafluoroethane	1.190	1.183	0.6	112	0.00
9	T	Propene	0.588	0.609	-3.6	111	0.00
10	T	Heptane	1.571	1.695	-7.9	115	-0.02
11	T	Trichlorofluoromethane	1.417	1.348	4.9	104	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.110	1.035	6.8	101	0.00
13		Ethanol	0.043	0.028#	34.9#	106	0.00
14	T	Bromoethene	0.407	0.385	5.4	107	0.00
15	T	Acetone	1.201	1.121	6.7	117	0.00
16	T	1,3-Butadiene	0.539	0.551	-2.2	115	0.00
17		tert-Butyl alcohol	1.478	1.312	11.2	97	0.00
18	T	1,1-Dichloroethene	0.501	0.473	5.6	107	0.00
19	T	Isopropyl Alcohol	0.712	0.641	10.0	107	0.00
20	T	Methylene Chloride	0.475	0.400	15.8	106	0.00
21	T	Allyl Chloride	0.832	0.805	3.2	105	0.00
22	T	trans-1,2-Dichloroethene	0.565	0.548	3.0	105	0.00
23	T	Vinyl Acetate	0.595	0.536	9.9	103	0.00
24	T	1,1-Dichloroethane	1.093	1.089	0.4	111	0.00
25	T	Ethyl Acetate	3.239	3.507	-8.3	117	0.00
26	T	Hexane	1.281	1.372	-7.1	113	0.00
27	T	Carbon Disulfide	1.268	1.273	-0.4	105	0.00
28	T	Methyl tert-Butyl Ether	0.979	0.952	2.8	127	0.00
29	T	Chloroform	2.025	2.120	-4.7	115	0.00
30	T	Cyclohexane	1.111	1.163	-4.7	111	0.00
31	T	cis-1,2-Dichloroethene	1.349	1.325	1.8	108	0.00
32	T	1,1,1-Trichloroethane	1.938	2.024	-4.4	110	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	-0.01
34	T	2-Butanone	0.636	0.729	-14.6	116	0.00
35	T	Carbon Tetrachloride	0.628	0.747	-18.9	110	-0.01
36	T	Benzene	0.917	1.035	-12.9	112	0.00
37	T	1,2-Dichloroethane	0.515	0.562	-9.1	109	0.00
38	T	Trichloroethene	0.364	0.408	-12.1	110	-0.01
39	T	1,2-Dichloropropane	0.322	0.362	-12.4	113	0.00
40	T	1,4-Dioxane	0.162	0.174	-7.4	113	-0.02
41	T	Tetrahydrofuran	0.346	0.406	-17.3	112	0.00
42	T	Bromodichloromethane	0.691	0.803	-16.2	112	-0.01
43		Methyl Methacrylate	0.341	0.364	-6.7	103	0.00
44	T	2,2,4-Trimethylpentane	1.484	1.749	-17.9	115	-0.01
45	T	t-1,3-Dichloropropene	0.319	0.345	-8.2	97	0.00
46	T	cis-1,3-Dichloropropene	0.419	0.472	-12.6	101	-0.01
47	T	1,1,2-Trichloroethane	0.341	0.389	-14.1	112	0.00
48	T	Dibromochloromethane	0.526	0.627	-19.2	110	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041958.D
Acq On : 03 Feb 2025 10:48
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
LabSampleId : VSTDCCC010

Quant Time: Feb 04 02:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 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	0.432	0.524	-21.3	109	0.00
50	T	4-Methyl-2-Pentanone	0.868	0.998	-15.0	115	-0.02
51	T	2-Hexanone	0.667	0.784	-17.5	115	0.00
52	T	Tetrachloroethene	0.318	0.325	-2.2	106	0.00
53	T	Toluene	0.999	1.126	-12.7	107	-0.01
54	T	1,2-Dibromoethane	0.469	0.534	-13.9	112	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
56		1,1,1,2-Tetrachloroethane	0.499	0.593	-18.8	114	0.00
57	T	Chlorobenzene	0.922	1.041	-12.9	114	0.00
58	T	Ethyl Benzene	1.563	1.802	-15.3	108	0.00
59	T	m/p-Xylene	1.253	1.490	-18.9	113	0.00
60	T	o-Xylene	1.243	1.495	-20.3	113	0.00
61	T	Styrene	0.558	0.663	-18.8	105	0.00
62		Isopropylbenzene	1.924	2.247	-16.8	112	0.00
63	T	1,1,2,2-Tetrachloroethane	0.795	0.976	-22.8	121	0.00
64		n-propylbenzene	0.486	0.581	-19.5	115	0.00
65		tert-Butylbenzene	1.753	2.010	-14.7	111	0.00
66	T	Benzyl Chloride	0.109	0.121	-11.0	98	0.00
67		sec-Butylbenzene	2.414	2.814	-16.6	114	0.00
68	S	1-Bromo-4-Fluorobenzene	0.788	0.780	1.0	92	0.00
69		p-Isopropyltoluene	1.988	2.337	-17.6	113	0.00
70		n-Butylbenzene	1.972	2.285	-15.9	112	0.00
71		2-Chlorotoluene	1.423	1.657	-16.4	111	0.00
72	T	4-Ethyltoluene	1.487	1.774	-19.3	112	0.00
73	T	1,3,5-Trimethylbenzene	1.313	1.525	-16.1	112	0.00
74	T	1,2,4-Trimethylbenzene	1.422	1.659	-16.7	114	0.00
75	T	1,3-Dichlorobenzene	0.843	0.964	-14.4	115	0.00
76	T	1,4-Dichlorobenzene	0.825	0.948	-14.9	114	0.00
77	T	1,2-Dichlorobenzene	0.835	0.957	-14.6	117	0.00
78	T	Hexachloro-1,3-Butadiene	0.686	0.667	2.8	106	0.00
79	T	Naphthalene	1.432	1.490	-4.1	110	0.00
80	T	Naphthalene,2-methyl-	0.679	0.468	31.1#	94	0.00
81	T	1,2,4-Trichlorobenzene	0.699	0.676	3.3	105	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\VL020325\
Data File : VL041960.D
Acq On : 03 Feb 2025 12:05
Operator : SY/MD
Sample : VL0203ABL02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0203ABL02

Quant Time: Feb 04 02:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

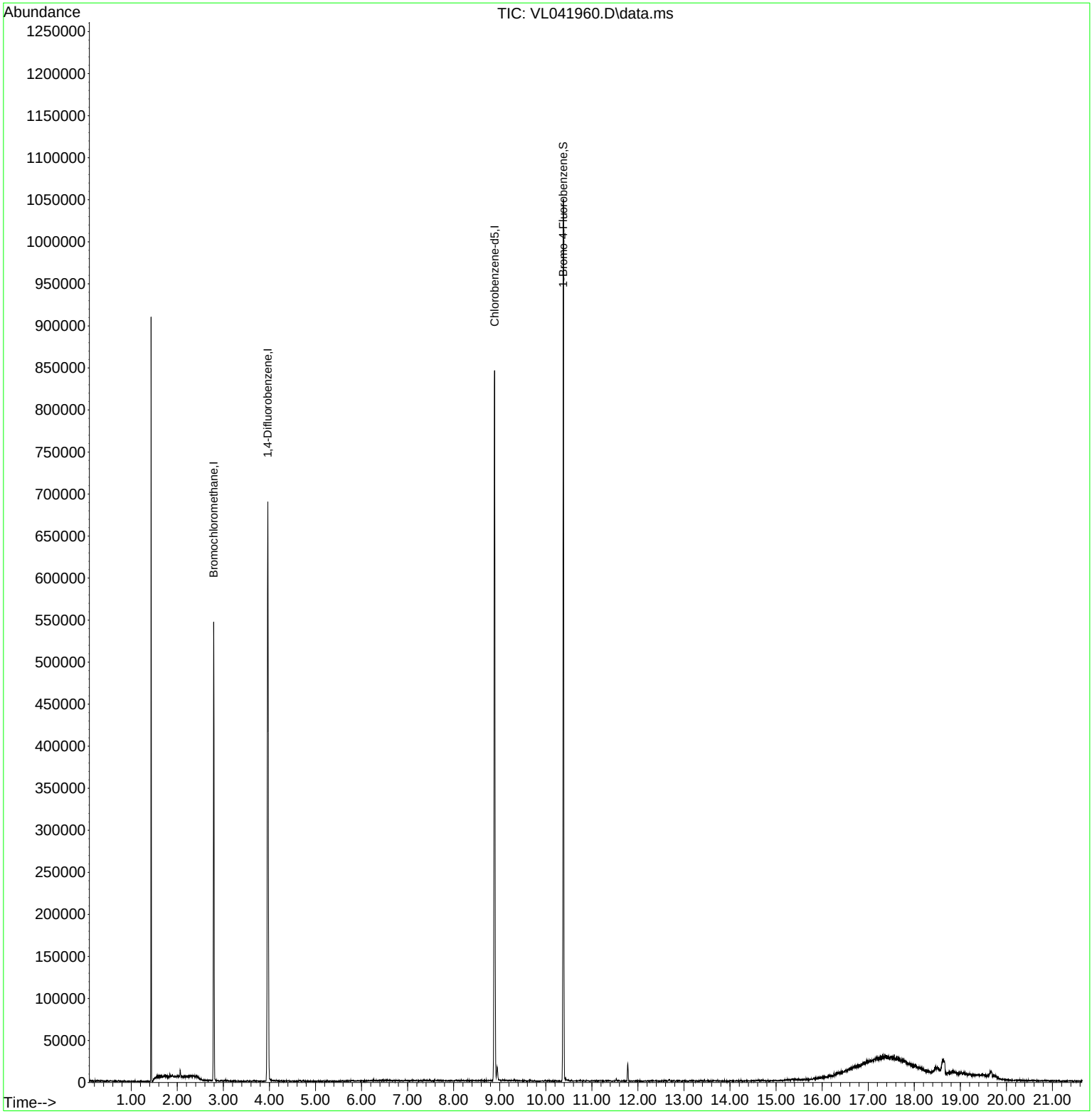
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	151198	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	407814	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	347345	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	262058	9.579	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.800%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041960.D
Acq On : 03 Feb 2025 12:05
Operator : SY/MD
Sample : VL0203ABL02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0203ABL02

Quant Time: Feb 04 02:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041961.D
Acq On : 03 Feb 2025 12:57
Operator : SY/MD
Sample : VL0203ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 02:34:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0203ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	152847	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	418895	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	367437	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	287209	9.924	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	203280	9.764	ppbv	99
3) Chlorodifluoromethane	1.476	51	225433	10.336	ppbv	99
4) Chloromethane	1.535	50	81880	10.457	ppbv	94
5) Vinyl Chloride	1.583	62	77713	9.799	ppbv	98
6) Bromomethane	1.670	94	36640	9.694	ppbv	88
7) Chloroethane	1.706	64	31280	10.137	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	179670	9.875	ppbv	98
9) Propene	1.486	41	91411	10.174	ppbv	99
10) Heptane	4.985	43	161638	6.731	ppbv	99
11) Trichlorofluoromethane	1.881	101	201683	9.312	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	164938	9.717	ppbv	98
13) Ethanol	1.722	45	4592	6.978	ppbv	91
14) Bromoethene	1.784	108	57833	9.306	ppbv	99
15) Acetone	1.839	43	165826	9.033	ppbv	98
16) 1,3-Butadiene	1.609	39	83163	10.093	ppbv	98
17) tert-Butyl alcohol	2.043	59	198776	8.797	ppbv	98
18) 1,1-Dichloroethene	2.036	96	70323	9.192	ppbv	97
19) Isopropyl Alcohol	1.891	45	99004	9.096	ppbv	95
20) Methylene Chloride	2.065	84	62278	8.584	ppbv	99
21) Allyl Chloride	2.098	41	122853	9.664	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	85089	9.855	ppbv	98
23) Vinyl Acetate	2.467	43	86919	9.552	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	166034	9.942	ppbv	99
25) Ethyl Acetate	2.842	43	536156	10.831	ppbv	100
26) Hexane	2.832	57	210051	10.728	ppbv	95
27) Carbon Disulfide	2.153	76	198444	10.242	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	110198	7.364	ppbv	99
29) Chloroform	2.855	83	325966	10.532	ppbv	96
30) Cyclohexane	3.865	84	173840	10.236	ppbv	98
31) cis-1,2-Dichloroethene	2.726	61	204611	9.925	ppbv	95
32) 1,1,1-Trichloroethane	3.376	97	305623	10.320	ppbv	99
34) 2-Butanone	2.564	43	302190	11.344	ppbv	99
35) Carbon Tetrachloride	3.768	117	309917	11.778	ppbv	97
36) Benzene	3.664	78	426241	11.094	ppbv	99
37) 1,2-Dichloroethane	3.224	62	235620	10.920	ppbv	99
38) Trichloroethene	4.554	130	167629	10.995	ppbv	97
39) 1,2-Dichloropropane	4.318	63	151232	11.221	ppbv	97
40) 1,4-Dioxane	4.590	88	74021	10.876	ppbv #	100
41) Tetrahydrofuran	3.062	42	169798	11.728	ppbv	98
42) Bromodichloromethane	4.496	83	335595	11.600	ppbv	98
43) Methyl Methacrylate	4.884	69	102724	7.197	ppbv	96
44) 2,2,4-Trimethylpentane	4.648	57	725196	11.670	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	145441	10.886	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041961.D
Acq On : 03 Feb 2025 12:57
Operator : SY/MD
Sample : VL0203ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 02:34:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0203ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.609	75	122518	6.985	ppbv		98
47)	1,1,2-Trichloroethane	6.590	97	167038	11.694	ppbv		95
48)	Dibromochloromethane	7.390	129	260120	11.803	ppbv		100
49)	Bromoform	9.487	173	217089	11.991	ppbv		99
50)	4-Methyl-2-Pentanone	5.765	43	267280	7.350	ppbv		98
51)	2-Hexanone	7.445	43	328817	11.767	ppbv	#	96
52)	Tetrachloroethene	8.225	164	136143	10.220	ppbv		97
53)	Toluene	6.936	91	469033	11.207	ppbv		99
54)	1,2-Dibromoethane	7.655	107	222983	11.356	ppbv		100
56)	1,1,1,2-Tetrachloroethane	8.927	131	214758	11.715	ppbv		99
57)	Chlorobenzene	8.924	112	382465	11.284	ppbv		99
58)	Ethyl Benzene	9.357	91	646825	11.264	ppbv		98
59)	m/p-Xylene	9.555	91	1068374m	23.212	ppbv		
60)	o-Xylene	9.966	91	537558	11.766	ppbv		98
61)	Styrene	9.872	104	239767	11.699	ppbv		98
62)	Isopropylbenzene	10.542	105	802003	11.345	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.966	83	357905	12.260	ppbv		100
64)	n-propylbenzene	10.992	120	208748	11.686	ppbv		99
65)	tert-Butylbenzene	11.536	119	731901	11.360	ppbv		99
66)	Benzyl Chloride	11.620	91	41013	10.285	ppbv		97
67)	sec-Butylbenzene	11.772	105	1015579	11.448	ppbv		99
69)	p-Isopropyltoluene	11.931	119	836492	11.451	ppbv		98
70)	n-Butylbenzene	12.290	91	824000	11.374	ppbv		100
71)	2-Chlorotoluene	10.905	91	592446	11.329	ppbv		99
72)	4-Ethyltoluene	11.131	105	634050	11.602	ppbv		99
73)	1,3,5-Trimethylbenzene	11.209	105	551677	11.432	ppbv		97
74)	1,2,4-Trimethylbenzene	11.542	105	602744	11.533	ppbv		96
75)	1,3-Dichlorobenzene	11.613	146	348392	11.249	ppbv		99
76)	1,4-Dichlorobenzene	11.678	146	344428	11.367	ppbv		99
77)	1,2-Dichlorobenzene	11.953	146	350456	11.418	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.892	225	239328	9.500	ppbv		99
79)	Naphthalene	13.523	128	539332	10.249	ppbv		98
80)	Naphthalene,2-methyl-	14.468	142	172189	6.902	ppbv		97
81)	1,2,4-Trichlorobenzene	13.452	180	244059	9.502	ppbv		99

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

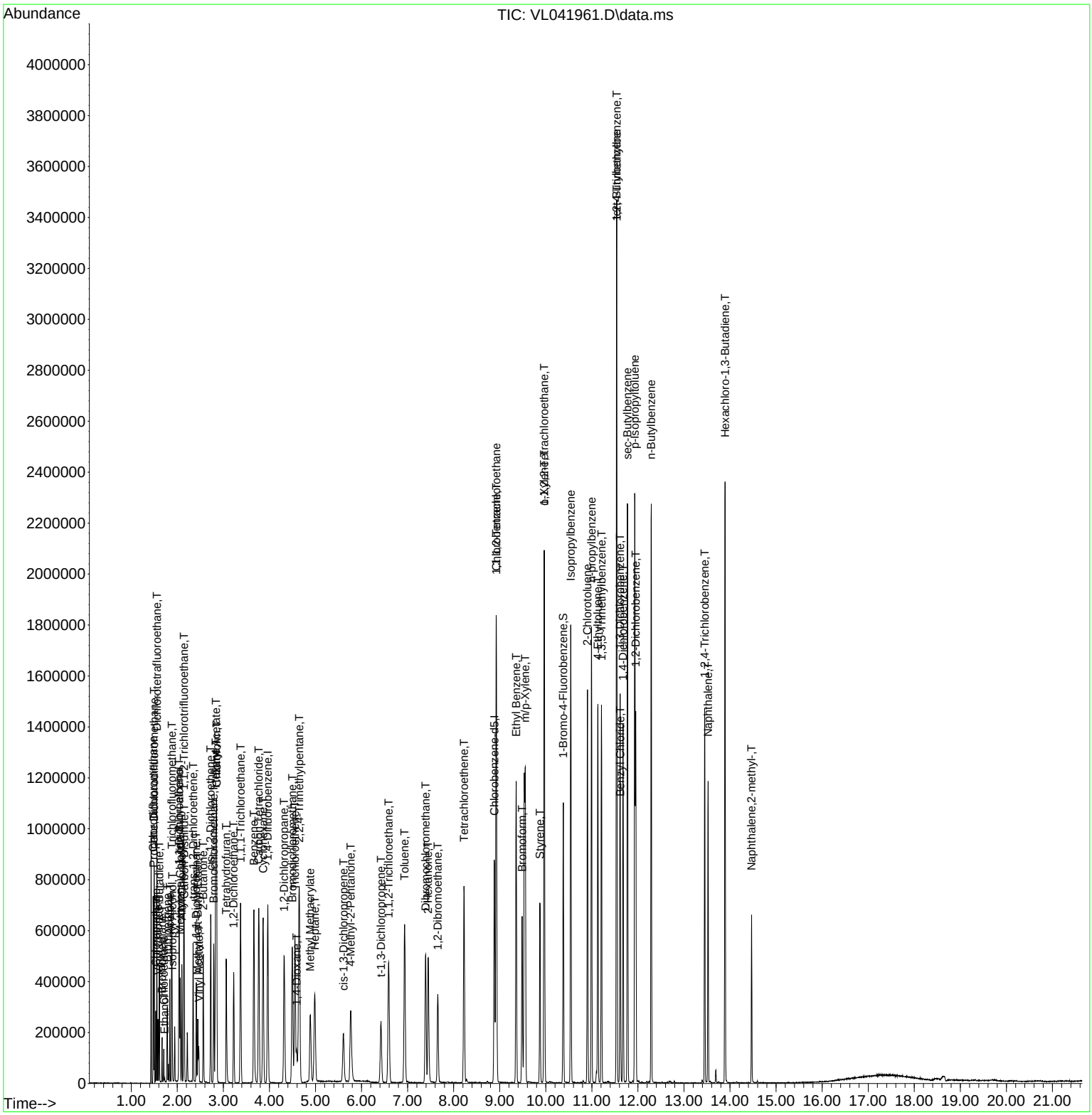
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041961.D
Acq On : 03 Feb 2025 12:57
Operator : SY/MD
Sample : VL0203ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 02:34:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0203ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
Data File : VL041966.D
Acq On : 03 Feb 2025 16:02
Operator : SY/MD
Sample : QC012825 CAN 10439
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC012825 CAN 10439

Quant Time: Feb 04 02:38:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

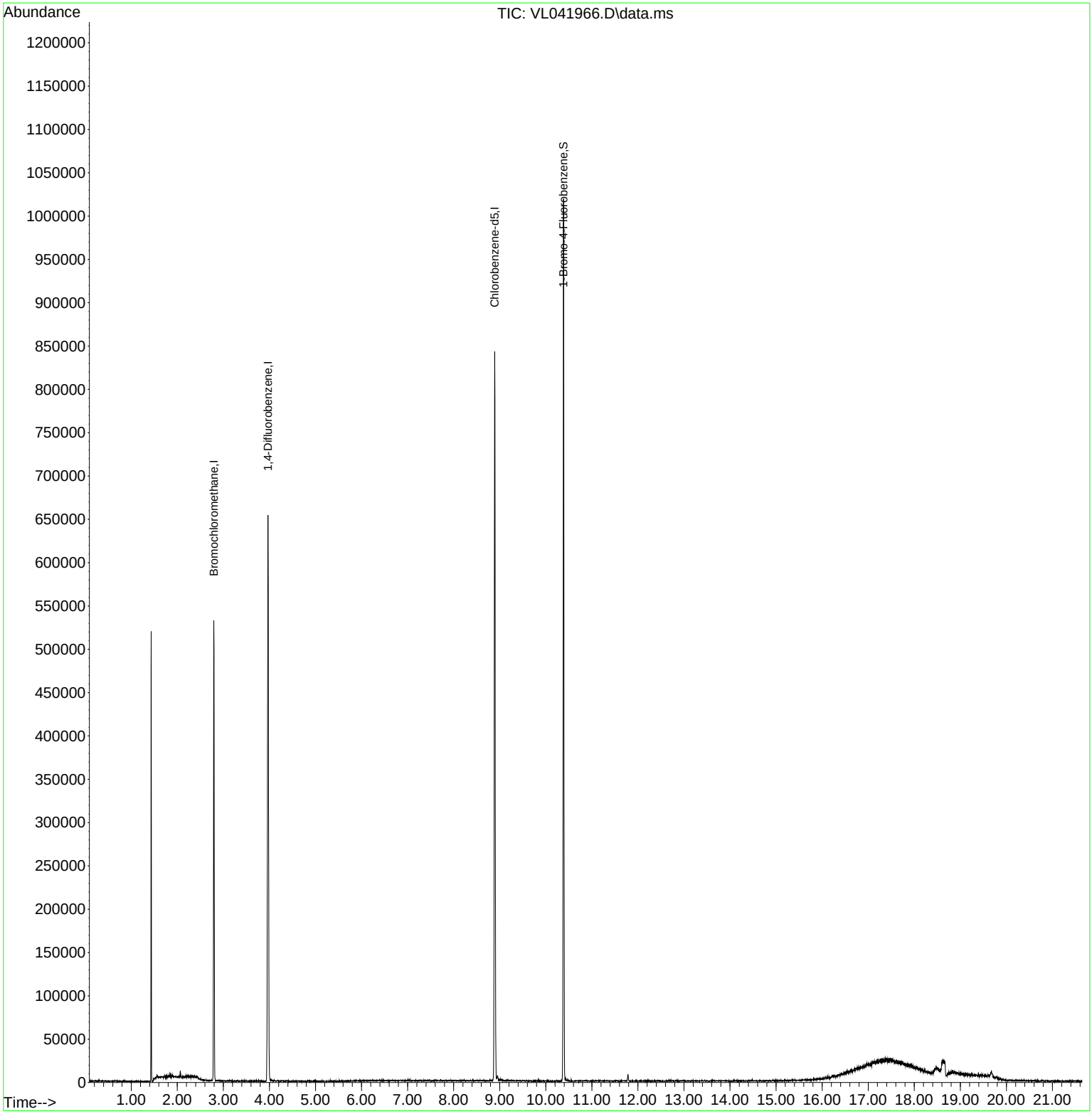
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.793	49	146182	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	402503	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	341049	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	256800	9.560	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\VL020325\
Data File : VL041966.D
Acq On : 03 Feb 2025 16:02
Operator : SY/MD
Sample : QC012825 CAN 10439
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC012825 CAN 10439

Quant Time: Feb 04 02:38:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration



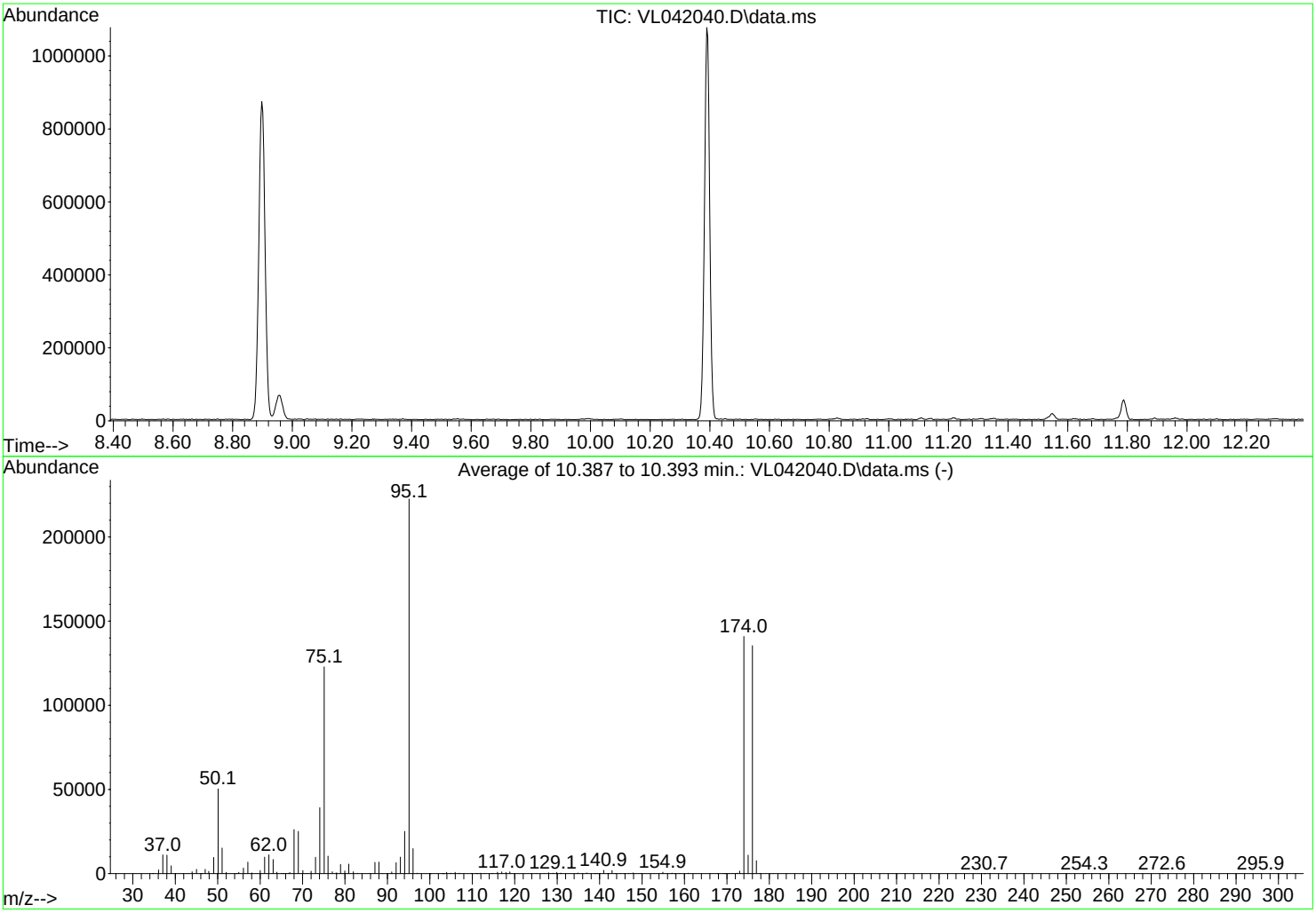
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042040.D
Acq On : 25 Feb 2025 07:56
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

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



AutoFind: Scans 3182, 3183, 3184; Background Corrected with Scan 3168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.6	50320	PASS
75	95	30	66	55.2	122859	PASS
95	95	100	100	100.0	222571	PASS
96	95	5	9	6.7	14875	PASS
173	174	0.00	2	1.1	1534	PASS
174	95	50	120	63.3	140957	PASS
175	174	4	9	7.8	11014	PASS
176	174	93	101	96.1	135437	PASS
177	176	5	9	5.7	7676	PASS

Response Factor Report MSVOA_L

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

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

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

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

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

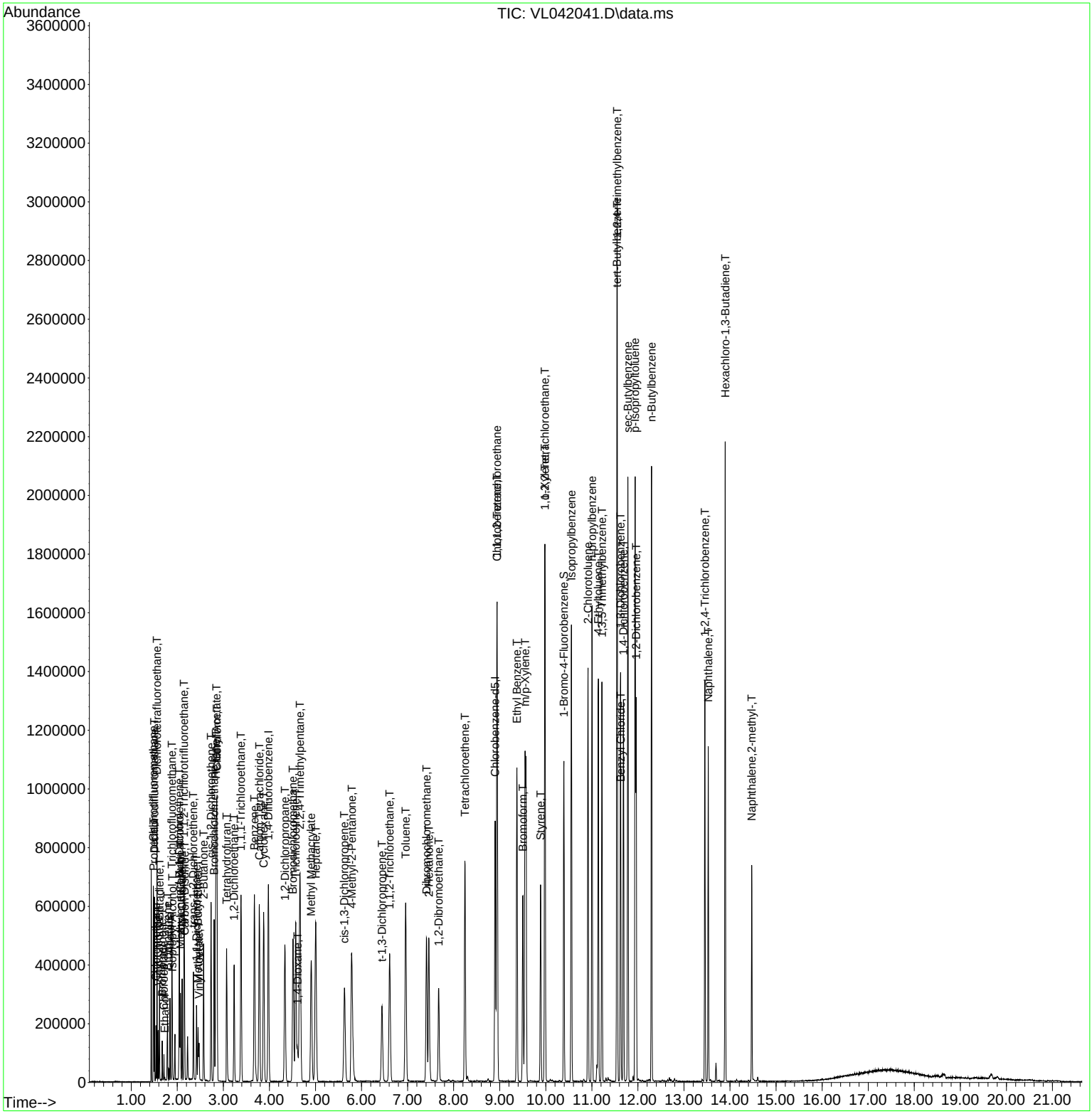
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042041.D
Acq On : 25 Feb 2025 08:56
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

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

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

Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

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

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

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

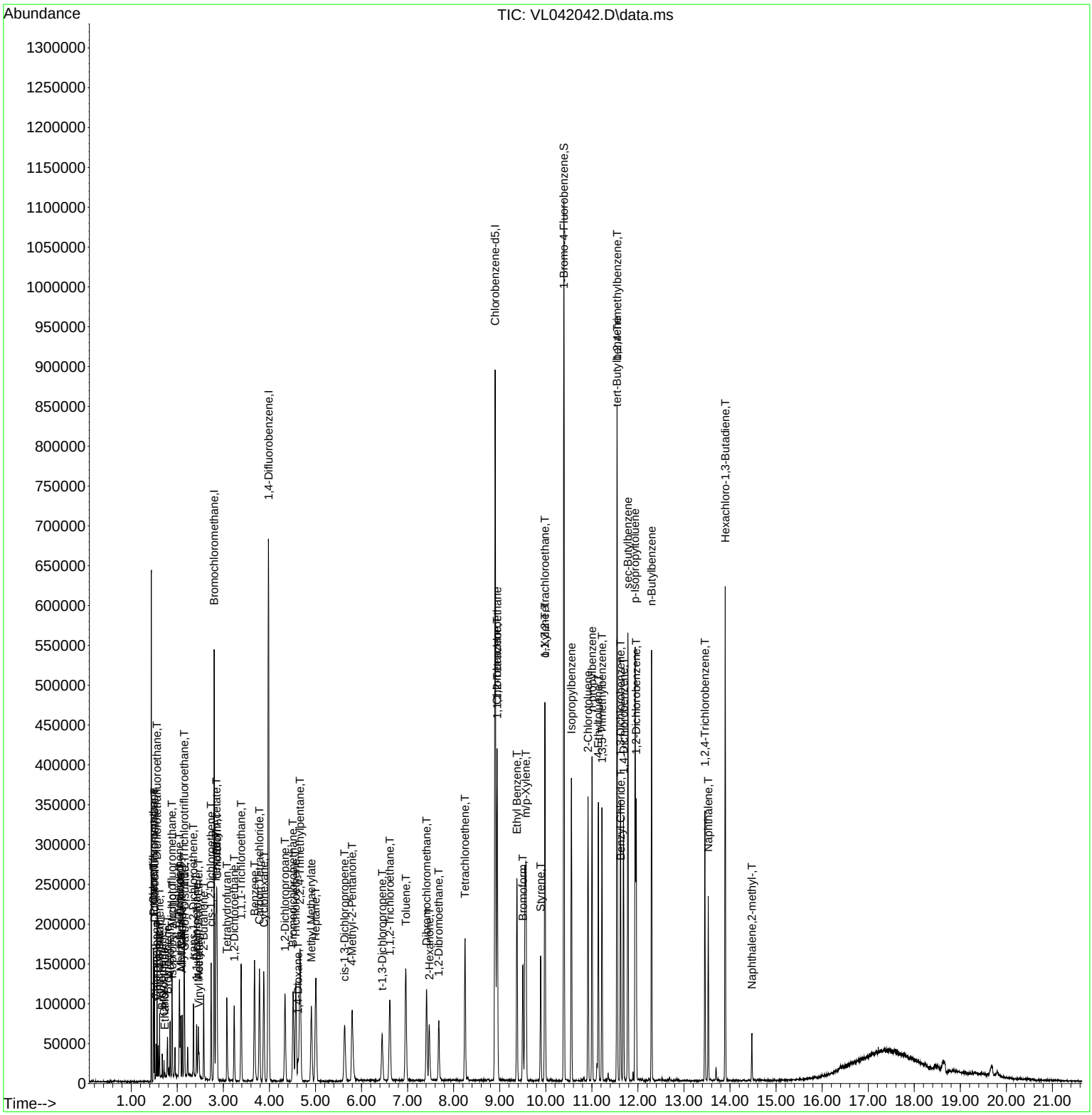
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042042.D
Acq On : 25 Feb 2025 09:29
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	161096	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.978	114	423363	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	369917	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	287450	9.420	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	17457	0.629	ppbv		95
3) Chlorodifluoromethane	1.479	51	25229	0.823	ppbv		98
4) Chloromethane	1.538	50	6417	0.595	ppbv	#	75
5) Vinyl Chloride	1.586	62	5567	0.432	ppbv		96
6) Bromomethane	1.674	94	2966	0.594	ppbv		100
7) Chloroethane	1.709	64	2542	0.605	ppbv		96
8) Dichlorotetrafluoroethane	1.560	85	14655	0.601	ppbv		90
9) Propene	1.486	41	10156	0.768	ppbv		96
10) Heptane	4.998	43	31354m	0.854	ppbv		
11) Trichlorofluoromethane	1.884	101	18079	0.648	ppbv		98
12) 1,1,2-Trichlorotrifluo...	2.149	101	14527	0.667	ppbv		92
13) Ethanol	1.725	45	915m	0.614	ppbv		
14) Bromoethene	1.787	108	4905	0.604	ppbv	#	95
15) Acetone	1.845	43	15468	0.582	ppbv		98
16) 1,3-Butadiene	1.615	39	7010	0.556	ppbv		99
17) tert-Butyl alcohol	2.052	59	19092	0.580	ppbv		97
18) 1,1-Dichloroethene	2.043	96	7042	0.677	ppbv		94
19) Isopropyl Alcohol	1.894	45	9191	0.616	ppbv	#	32
20) Methylene Chloride	2.068	84	6026	0.602	ppbv		95
21) Allyl Chloride	2.104	41	11550	0.600	ppbv		95
22) trans-1,2-Dichloroethene	2.347	96	8145m	0.722	ppbv		
23) Vinyl Acetate	2.473	43	9893	0.687	ppbv	#	91
24) 1,1-Dichloroethane	2.418	63	13783	0.601	ppbv		98
25) Ethyl Acetate	2.852	43	59183	0.811	ppbv		99
26) Hexane	2.836	57	23549	0.804	ppbv		96
27) Carbon Disulfide	2.159	76	15659	0.568	ppbv	#	46
28) Methyl tert-Butyl Ether	2.454	73	13593	0.759	ppbv		95
29) Chloroform	2.861	83	32925	0.776	ppbv		94
30) Cyclohexane	3.874	84	19953	0.840	ppbv		97
31) cis-1,2-Dichloroethene	2.732	61	22565	0.780	ppbv		97
32) 1,1,1-Trichloroethane	3.386	97	30870	0.656	ppbv		96
34) 2-Butanone	2.570	43	33820	0.929	ppbv		99
35) Carbon Tetrachloride	3.777	117	30618	0.745	ppbv		90
36) Benzene	3.674	78	45892	0.895	ppbv		96
37) 1,2-Dichloroethane	3.234	62	25585	0.876	ppbv		99
38) Trichloroethene	4.570	130	18921	0.908	ppbv		91
39) 1,2-Dichloropropane	4.334	63	17557	0.934	ppbv		94
40) 1,4-Dioxane	4.619	88	8319m	0.850	ppbv		
41) Tetrahydrofuran	3.075	42	20823	1.000	ppbv		96
42) Bromodichloromethane	4.515	83	33481	0.847	ppbv		97
43) Methyl Methacrylate	4.907	69	17679	0.756	ppbv		99
44) 2,2,4-Trimethylpentane	4.661	57	81921	0.941	ppbv		98
45) t-1,3-Dichloropropene	6.444	75	16578m	0.751	ppbv		

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	22127m	0.790	ppbv		
47) 1,1,2-Trichloroethane	6.616	97	18160m	0.918	ppbv		
48) Dibromochloromethane	7.412	129	28239	0.852	ppbv		97
49) Bromoform	9.500	173	23310	0.858	ppbv		94
50) 4-Methyl-2-Pentanone	5.791	43	41249m	0.737	ppbv		
51) 2-Hexanone	7.470	43	24117	0.527	ppbv	#	97
52) Tetrachloroethene	8.241	164	16217	0.907	ppbv		89
53) Toluene	6.959	91	51231	0.838	ppbv		99
54) 1,2-Dibromoethane	7.674	107	23427	0.860	ppbv		94
56) 1,1,1,2-Tetrachloroethane	8.943	131	22060	0.833	ppbv		97
57) Chlorobenzene	8.937	112	41173	0.946	ppbv		96
58) Ethyl Benzene	9.370	91	70507	0.871	ppbv		97
59) m/p-Xylene	9.568	91	114691m	1.799	ppbv		
60) o-Xylene	9.979	91	57322	0.889	ppbv		99
61) Styrene	9.885	104	26596	0.865	ppbv		98
62) Isopropylbenzene	10.555	105	86533	0.894	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.979	83	38520	0.926	ppbv		98
64) n-propylbenzene	11.002	120	22456	0.944	ppbv		94
65) tert-Butylbenzene	11.545	119	83284	0.987	ppbv		99
66) Benzyl Chloride	11.626	91	5880m	0.695	ppbv		
67) sec-Butylbenzene	11.782	105	119435	1.007	ppbv		99
69) p-Isopropyltoluene	11.940	119	93710	0.966	ppbv		99
70) n-Butylbenzene	12.293	91	94969	0.993	ppbv		98
71) 2-Chlorotoluene	10.914	91	67655	0.928	ppbv		98
72) 4-Ethyltoluene	11.137	105	71906	0.952	ppbv		99
73) 1,3,5-Trimethylbenzene	11.215	105	64087	0.983	ppbv		96
74) 1,2,4-Trimethylbenzene	11.549	105	73323	1.048	ppbv		100
75) 1,3-Dichlorobenzene	11.620	146	41063	1.091	ppbv		99
76) 1,4-Dichlorobenzene	11.685	146	39235	1.068	ppbv		99
77) 1,2-Dichlorobenzene	11.960	146	40574	1.127	ppbv		98
78) Hexachloro-1,3-Butadiene	13.895	225	30764	1.033	ppbv		99
79) Naphthalene	13.526	128	45743	0.665	ppbv		98
80) Naphthalene,2-methyl-	14.471	142	5244	0.168	ppbv		94
81) 1,2,4-Trichlorobenzene	13.452	180	25404	0.908	ppbv		95

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

Quantitation Report (QT Reviewed)

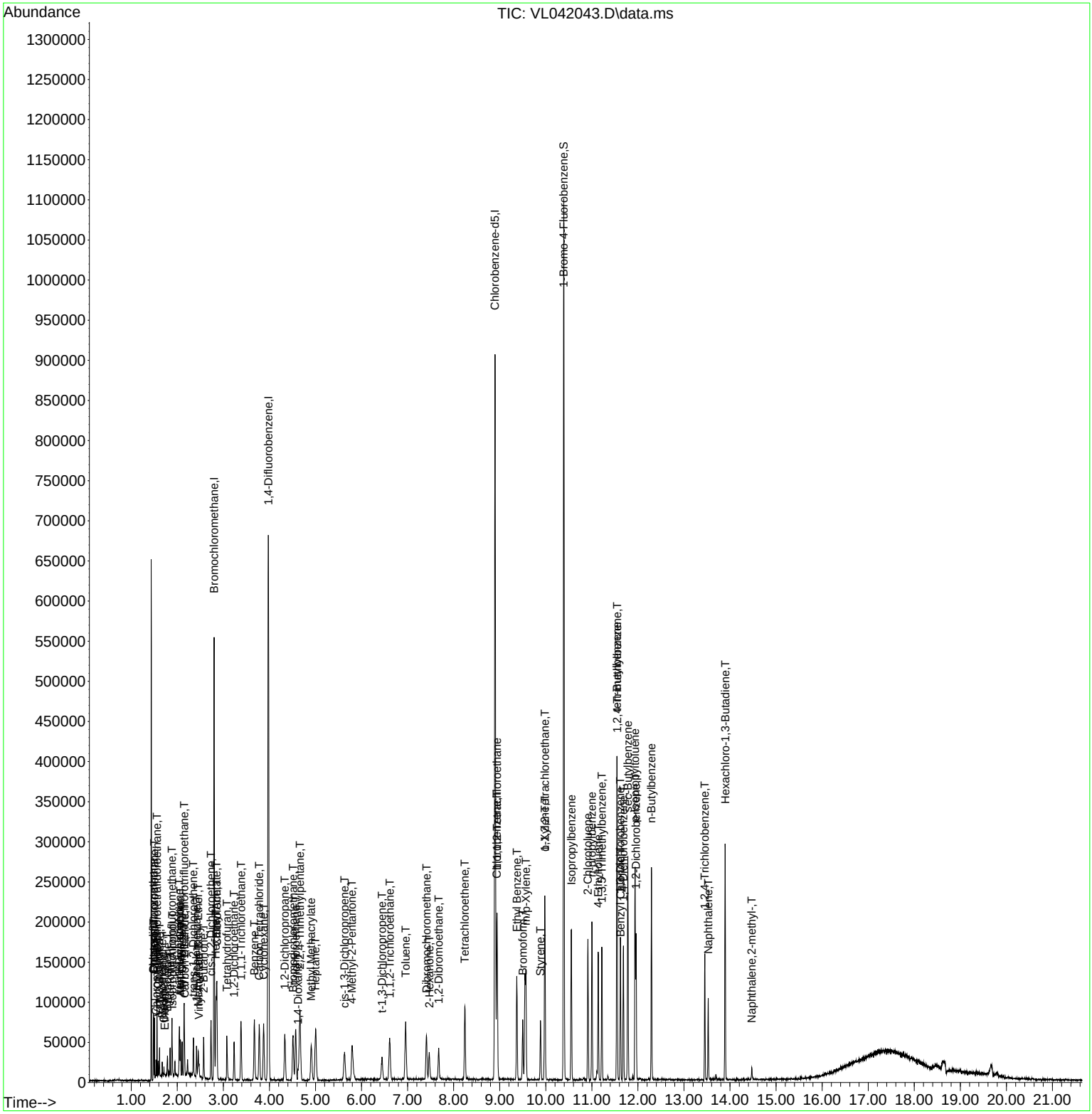
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042043.D
Acq On : 25 Feb 2025 10:00
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:27:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.797	49	159644	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.975	114	421340	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.898	117	365954	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	281042	9.310	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	8852	0.322	ppbv		98
3) Chlorodifluoromethane	1.479	51	11921	0.392	ppbv		94
4) Chloromethane	1.537	50	3497	0.327	ppbv	#	88
5) Vinyl Chloride	1.583	62	3005	0.235	ppbv		98
6) Bromomethane	1.673	94	1359	0.275	ppbv		92
7) Chloroethane	1.709	64	1205	0.290	ppbv		89
8) Dichlorotetrafluoroethane	1.557	85	7123	0.295	ppbv		99
9) Propene	1.486	41	4904	0.374	ppbv		94
10) Heptane	5.004	43	15731	0.432	ppbv		98
11) Trichlorofluoromethane	1.884	101	8429	0.305	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.146	101	7336	0.340	ppbv		98
13) Ethanol	1.725	45	426	0.288	ppbv		75
14) Bromoethene	1.787	108	2598	0.323	ppbv	#	89
15) Acetone	1.842	43	8655	0.328	ppbv		96
16) 1,3-Butadiene	1.615	39	3803	0.304	ppbv		97
17) tert-Butyl alcohol	2.049	59	9447	0.290	ppbv	#	90
18) 1,1-Dichloroethene	2.039	96	3173	0.308	ppbv		94
19) Isopropyl Alcohol	1.894	45	4481	0.303	ppbv	#	32
20) Methylene Chloride	2.068	84	3423	0.345	ppbv		97
21) Allyl Chloride	2.104	41	5640	0.296	ppbv		100
22) trans-1,2-Dichloroethene	2.347	96	3838m	0.343	ppbv		
23) Vinyl Acetate	2.473	43	5499	0.385	ppbv	#	86
24) 1,1-Dichloroethane	2.418	63	7396	0.326	ppbv	#	88
25) Ethyl Acetate	2.848	43	30593	0.423	ppbv		98
26) Hexane	2.832	57	12739	0.439	ppbv		98
27) Carbon Disulfide	2.159	76	8316	0.305	ppbv	#	15
28) Methyl tert-Butyl Ether	2.450	73	5185	0.292	ppbv	#	80
29) Chloroform	2.858	83	17278	0.411	ppbv		93
30) Cyclohexane	3.874	84	9209	0.391	ppbv		88
31) cis-1,2-Dichloroethene	2.729	61	11344	0.395	ppbv		97
32) 1,1,1-Trichloroethane	3.382	97	15027	0.322	ppbv		93
34) 2-Butanone	2.570	43	17555	0.484	ppbv		99
35) Carbon Tetrachloride	3.780	117	14223	0.348	ppbv		90
36) Benzene	3.670	78	22728	0.445	ppbv		95
37) 1,2-Dichloroethane	3.230	62	13141	0.452	ppbv		100
38) Trichloroethene	4.570	130	9115	0.440	ppbv	#	87
39) 1,2-Dichloropropane	4.331	63	8877m	0.474	ppbv		
40) 1,4-Dioxane	4.622	88	4046m	0.416	ppbv		
41) Tetrahydrofuran	3.078	42	9880	0.477	ppbv		98
42) Bromodichloromethane	4.505	83	16973	0.431	ppbv	#	96
43) Methyl Methacrylate	4.904	69	8428	0.362	ppbv		93
44) 2,2,4-Trimethylpentane	4.661	57	40623	0.469	ppbv		98
45) t-1,3-Dichloropropene	6.441	75	8720m	0.397	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.629	75	10834m	0.389	ppbv		
47)	1,1,2-Trichloroethane	6.609	97	8982m	0.456	ppbv		
48)	Dibromochloromethane	7.406	129	13014m	0.395	ppbv		
49)	Bromoform	9.496	173	11640	0.430	ppbv		98
50)	4-Methyl-2-Pentanone	5.794	43	20992m	0.377	ppbv		
51)	2-Hexanone	7.470	43	12149m	0.267	ppbv		
52)	Tetrachloroethene	8.241	164	8012	0.450	ppbv		95
53)	Toluene	6.956	91	24224	0.398	ppbv		96
54)	1,2-Dibromoethane	7.674	107	11718m	0.432	ppbv		
56)	1,1,1,2-Tetrachloroethane	8.940	131	11100	0.424	ppbv	#	61
57)	Chlorobenzene	8.936	112	20167	0.468	ppbv		97
58)	Ethyl Benzene	9.370	91	34506	0.431	ppbv		90
59)	m/p-Xylene	9.568	91	54449m	0.863	ppbv		
60)	o-Xylene	9.979	91	28757	0.451	ppbv		95
61)	Styrene	9.885	104	12051	0.396	ppbv		99
62)	Isopropylbenzene	10.552	105	42074	0.439	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.975	83	18774	0.456	ppbv		96
64)	n-propylbenzene	11.001	120	10900	0.463	ppbv		100
65)	tert-Butylbenzene	11.542	119	38066	0.456	ppbv		98
66)	Benzyl Chloride	11.626	91	2589	0.309	ppbv	#	96
67)	sec-Butylbenzene	11.778	105	54394	0.464	ppbv		97
69)	p-Isopropyltoluene	11.937	119	40978	0.427	ppbv		95
70)	n-Butylbenzene	12.293	91	42673	0.451	ppbv		99
71)	2-Chlorotoluene	10.914	91	32161	0.446	ppbv		99
72)	4-Ethyltoluene	11.137	105	32477	0.434	ppbv	#	95
73)	1,3,5-Trimethylbenzene	11.215	105	29130	0.452	ppbv		91
74)	1,2,4-Trimethylbenzene	11.548	105	33950	0.491	ppbv		97
75)	1,3-Dichlorobenzene	11.616	146	20339	0.546	ppbv		96
76)	1,4-Dichlorobenzene	11.684	146	20492	0.564	ppbv		93
77)	1,2-Dichlorobenzene	11.959	146	19373	0.544	ppbv		96
78)	Hexachloro-1,3-Butadiene	13.892	225	15367	0.522	ppbv		99
79)	Naphthalene	13.523	128	17897	0.263	ppbv	#	95
80)	Naphthalene,2-methyl-	14.478	142	1646	0.053	ppbv	#	81
81)	1,2,4-Trichlorobenzene	13.452	180	10771	0.389	ppbv		94

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

Quantitation Report (QT Reviewed)

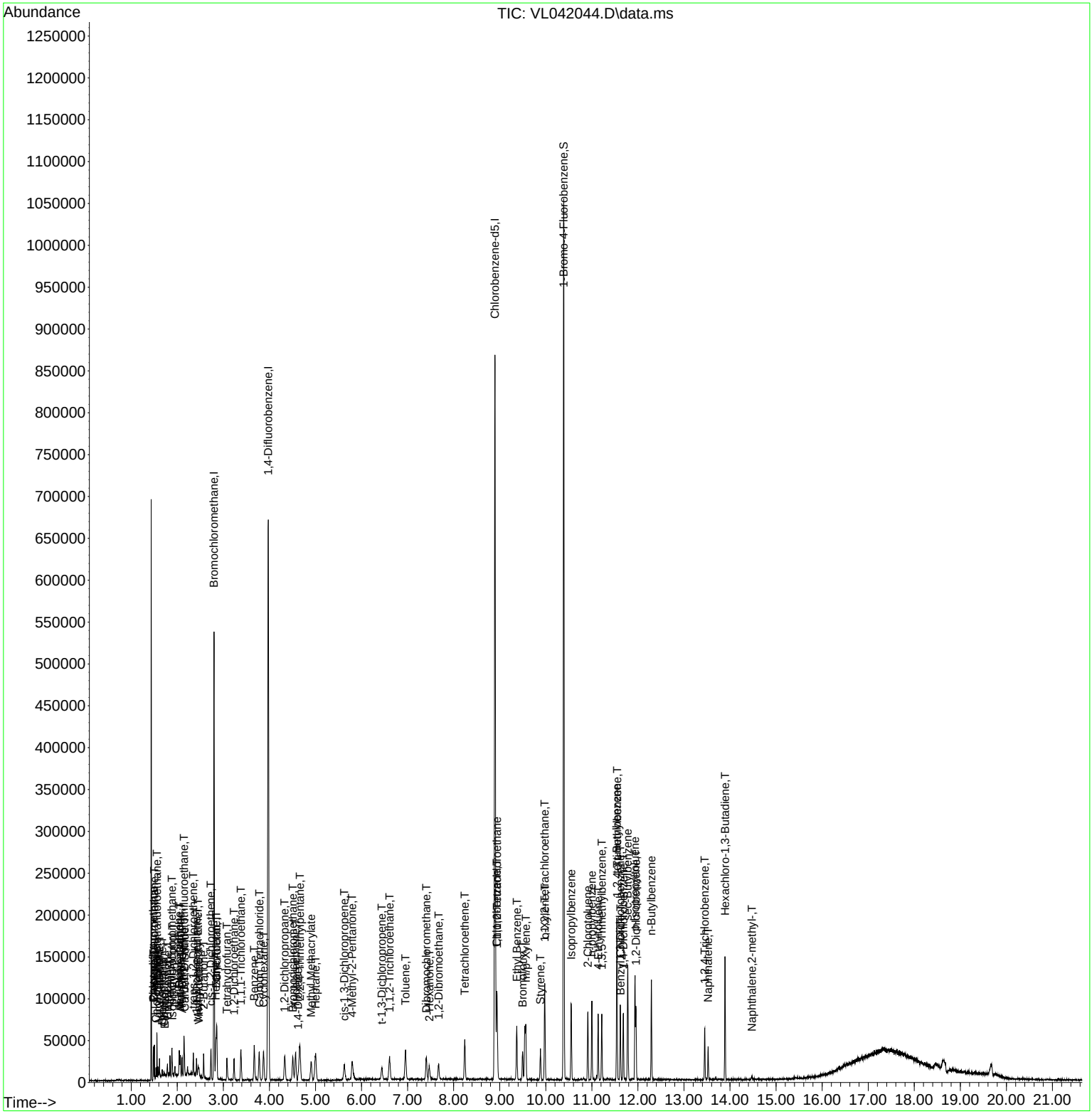
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042044.D
Acq On : 25 Feb 2025 10:31
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 10:56:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	161406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	414875	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	363831	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	276484	9.213	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.100%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.586	62	543	0.042	ppbv	# 88
32) 1,1,1-Trichloroethane	3.386	97	3026	0.064	ppbv	# 86
35) Carbon Tetrachloride	3.787	117	2923m	0.073	ppbv	
38) Trichloroethene	4.577	130	1915m	0.094	ppbv	
52) Tetrachloroethene	8.254	164	1552m	0.089	ppbv	
54) 1,2-Dibromoethane	7.678	107	2335m	0.087	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.982	83	3549m	0.087	ppbv	
79) Naphthalene	13.529	128	3058	0.045	ppbv	# 91

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

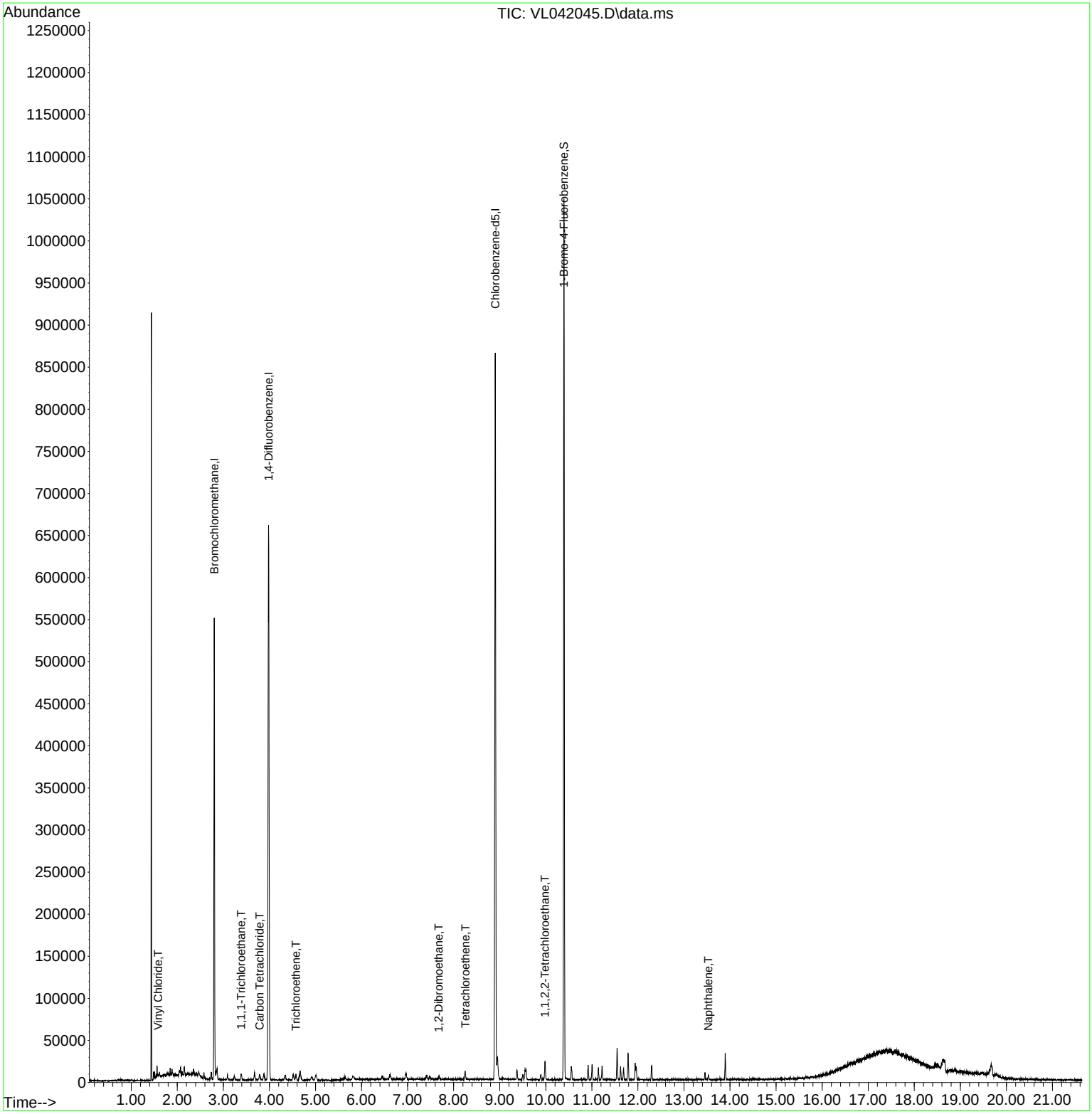
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042045.D
Acq On : 25 Feb 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:33:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

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



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042046.D
Acq On : 25 Feb 2025 11:34
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.797	49	160156	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	410900	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	353154	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	272906	9.368	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.700%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.586	62	215	0.017	ppbv	89
32) 1,1,1-Trichloroethane	3.379	97	923m	0.020	ppbv	
35) Carbon Tetrachloride	3.784	117	818m	0.021	ppbv	
38) Trichloroethene	4.577	130	551m	0.027	ppbv	
52) Tetrachloroethene	8.237	164	397m	0.023	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.979	83	1058m	0.027	ppbv	

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

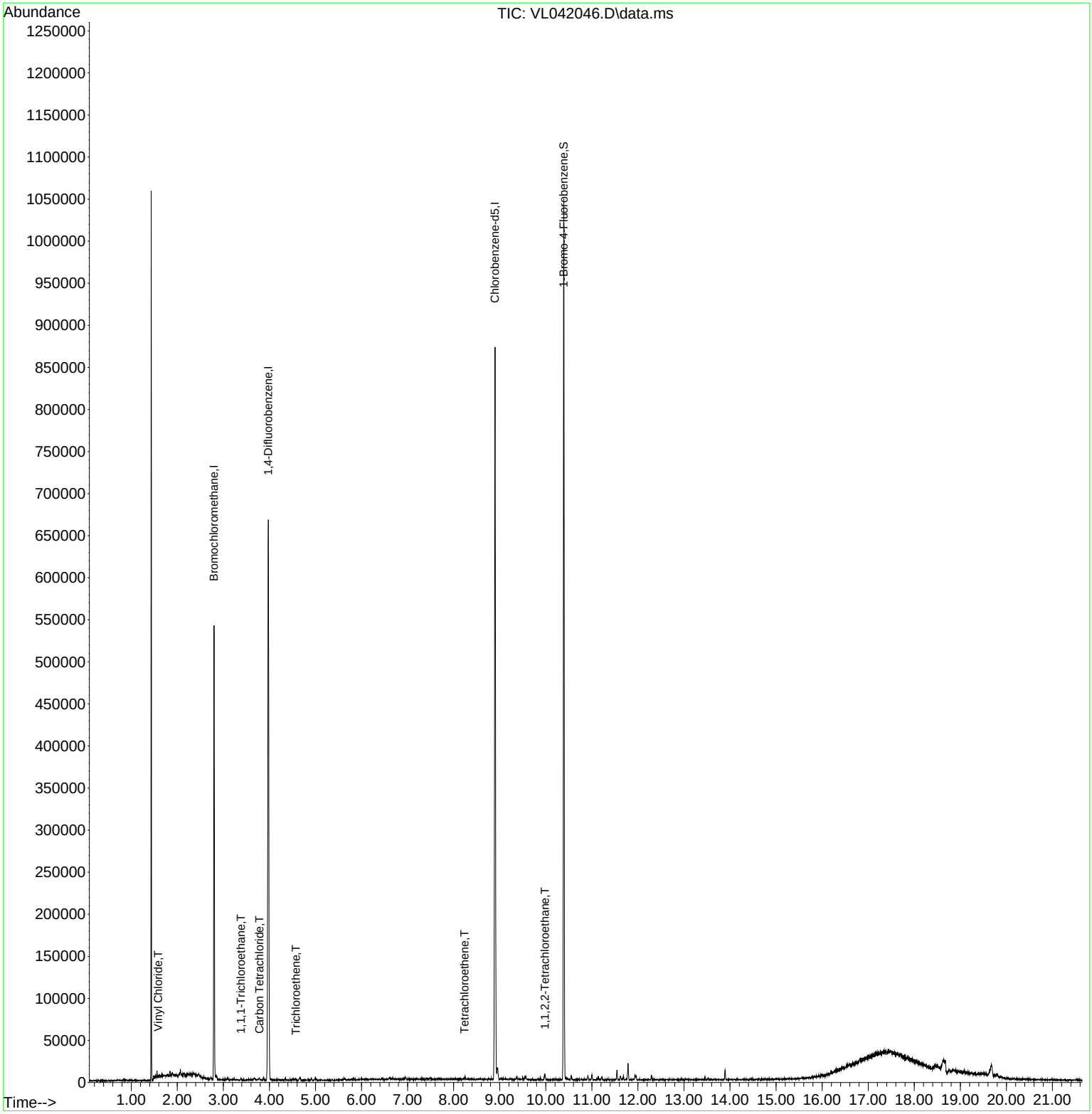
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042046.D
Acq On : 25 Feb 2025 11:34
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	159015	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	401919	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	351637	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	273846	9.441	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	231978	8.474	ppbv	99
3) Chlorodifluoromethane	1.479	51	324821	10.733	ppbv	100
4) Chloromethane	1.537	50	82097	7.718	ppbv	98
5) Vinyl Chloride	1.586	62	81863	6.436	ppbv	99
6) Bromomethane	1.673	94	39366	7.983	ppbv	97
7) Chloroethane	1.709	64	33329	8.039	ppbv	92
8) Dichlorotetrafluoroethane	1.560	85	188716	7.837	ppbv	98
9) Propene	1.489	41	133086	10.201	ppbv	97
10) Heptane	5.004	43	400418	11.052	ppbv	99
11) Trichlorofluoromethane	1.884	101	230938	8.383	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.149	101	184306	8.579	ppbv	99
13) Ethanol	1.725	45	4281	2.909	ppbv	100
14) Bromoethene	1.787	108	65496	8.164	ppbv	99
15) Acetone	1.842	43	172538	6.574	ppbv	98
16) 1,3-Butadiene	1.615	39	87490	7.027	ppbv	100
17) tert-Butyl alcohol	2.049	59	239569	7.377	ppbv	98
18) 1,1-Dichloroethene	2.042	96	80535	7.845	ppbv	98
19) Isopropyl Alcohol	1.894	45	102365	6.955	ppbv	99
20) Methylene Chloride	2.068	84	66282	6.709	ppbv	98
21) Allyl Chloride	2.104	41	140726	7.406	ppbv	99
22) trans-1,2-Dichloroethene	2.350	96	94321	8.466	ppbv	95
23) Vinyl Acetate	2.473	43	139727	9.831	ppbv	99
24) 1,1-Dichloroethane	2.418	63	180882	7.997	ppbv	99
25) Ethyl Acetate	2.848	43	767353	10.652	ppbv	99
26) Hexane	2.839	57	306864	10.615	ppbv	99
27) Carbon Disulfide	2.159	76	224609	8.261	ppbv	98
28) Methyl tert-Butyl Ether	2.453	73	168058	9.510	ppbv	98
29) Chloroform	2.861	83	409240	9.774	ppbv	100
30) Cyclohexane	3.874	84	256687	10.946	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	299324	10.476	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	417615	8.994	ppbv	98
34) 2-Butanone	2.570	43	457602	13.234	ppbv	98
35) Carbon Tetrachloride	3.780	117	410730	10.524	ppbv	96
36) Benzene	3.674	78	602107	12.367	ppbv	97
37) 1,2-Dichloroethane	3.233	62	335275	12.097	ppbv	99
38) Trichloroethene	4.573	130	228298	11.542	ppbv	98
39) 1,2-Dichloropropane	4.337	63	228418	12.797	ppbv	98
40) 1,4-Dioxane	4.609	88	104519	11.253	ppbv #	96
41) Tetrahydrofuran	3.068	42	271202	13.724	ppbv	100
42) Bromodichloromethane	4.512	83	461272	12.285	ppbv	96
43) Methyl Methacrylate	4.907	69	246468	11.105	ppbv	97
44) 2,2,4-Trimethylpentane	4.667	57	1054880	12.763	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	249612	11.914	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	317266	11.935	ppbv		98
47) 1,1,2-Trichloroethane	6.609	97	226021	12.032	ppbv		95
48) Dibromochloromethane	7.412	129	369666	11.750	ppbv		99
49) Bromoform	9.503	173	317322	12.297	ppbv		99
50) 4-Methyl-2-Pentanone	5.787	43	650307	12.237	ppbv		99
51) 2-Hexanone	7.461	43	530165	12.198	ppbv	#	100
52) Tetrachloroethene	8.247	164	203233	11.968	ppbv		94
53) Toluene	6.959	91	673822	11.615	ppbv		99
54) 1,2-Dibromoethane	7.677	107	309982	11.985	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.946	131	276326	10.979	ppbv		99
57) Chlorobenzene	8.943	112	494606	11.957	ppbv		98
58) Ethyl Benzene	9.373	91	922265	11.984	ppbv		100
59) m/p-Xylene	9.571	91	1456036m	24.020	ppbv		
60) o-Xylene	9.982	91	712735	11.626	ppbv		99
61) Styrene	9.888	104	363855	12.446	ppbv		99
62) Isopropylbenzene	10.558	105	1068777	11.612	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.982	83	459839	11.626	ppbv		100
64) n-propylbenzene	11.005	120	282364	12.486	ppbv		99
65) tert-Butylbenzene	11.548	119	924810	11.526	ppbv		99
66) Benzyl Chloride	11.633	91	78975	9.819	ppbv		98
67) sec-Butylbenzene	11.785	105	1315730	11.674	ppbv		99
69) p-Isopropyltoluene	11.940	119	1084253	11.752	ppbv		99
70) n-Butylbenzene	12.296	91	1118373	12.306	ppbv		99
71) 2-Chlorotoluene	10.917	91	818204	11.804	ppbv		100
72) 4-Ethyltoluene	11.141	105	880883	12.264	ppbv		99
73) 1,3,5-Trimethylbenzene	11.218	105	738619	11.921	ppbv		98
74) 1,2,4-Trimethylbenzene	11.552	105	784701	11.801	ppbv		91
75) 1,3-Dichlorobenzene	11.623	146	465436	13.003	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	467249	13.386	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	449222	13.129	ppbv		98
78) Hexachloro-1,3-Butadiene	13.895	225	351085	12.403	ppbv		100
79) Naphthalene	13.526	128	764990	11.696	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	324431	10.956	ppbv		99
81) 1,2,4-Trichlorobenzene	13.455	180	354990	13.351	ppbv		99

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

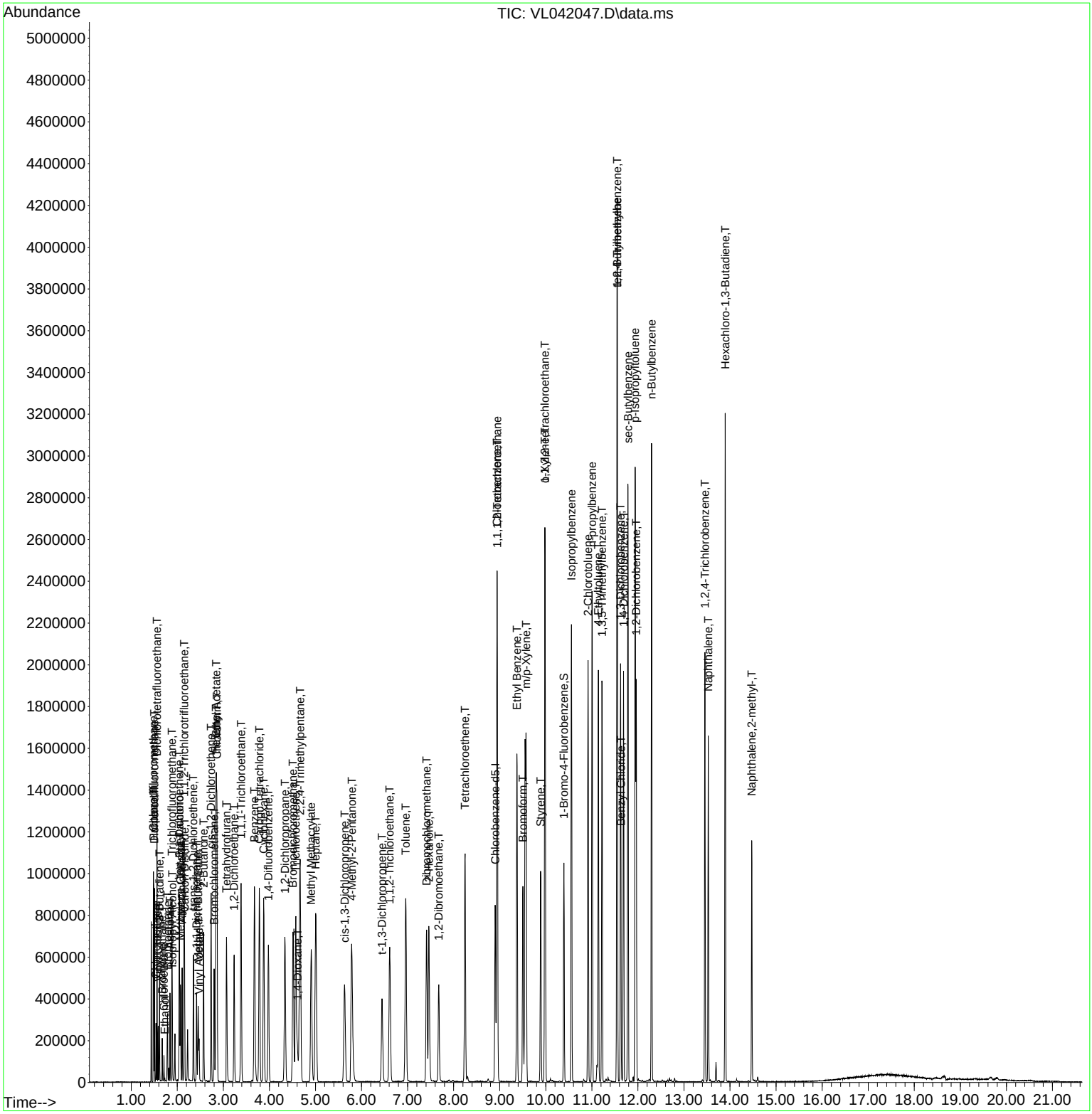
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042047.D
Acq On : 25 Feb 2025 12:07
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 25 12:35:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	158881	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.981	114	406520	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.904	117	350262	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	274527	10.188	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	158709	9.606	ppbv		99
3) Chlorodifluoromethane	1.479	51	219646	9.512	ppbv		100
4) Chloromethane	1.537	50	54628	8.941	ppbv		100
5) Vinyl Chloride	1.586	62	52672	9.114	ppbv		98
6) Bromomethane	1.673	94	25374	9.221	ppbv		100
7) Chloroethane	1.709	64	22174	9.443	ppbv	#	87
8) Dichlorotetrafluoroethane	1.560	85	127046	9.354	ppbv		100
9) Propene	1.489	41	90844	9.657	ppbv		96
10) Heptane	5.010	43	269133	9.188	ppbv		99
11) Trichlorofluoromethane	1.884	101	156871	9.476	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.149	101	115089	8.715	ppbv		99
13) Ethanol	1.728	45	2630	4.404	ppbv		98
14) Bromoethene	1.790	108	43546	9.338	ppbv		98
15) Acetone	1.842	43	118697	8.460	ppbv		97
16) 1,3-Butadiene	1.615	39	61603	9.434	ppbv		98
17) tert-Butyl alcohol	2.049	59	154116	8.779	ppbv		98
18) 1,1-Dichloroethene	2.042	96	51973	8.711	ppbv		98
19) Isopropyl Alcohol	1.894	45	69546	8.629	ppbv		96
20) Methylene Chloride	2.072	84	42028	7.919	ppbv		96
21) Allyl Chloride	2.104	41	90745	8.951	ppbv		98
22) trans-1,2-Dichloroethene	2.350	96	59140	8.502	ppbv		98
23) Vinyl Acetate	2.476	43	93605	9.488	ppbv	#	98
24) 1,1-Dichloroethane	2.421	63	112869	8.721	ppbv		100
25) Ethyl Acetate	2.852	43	533113	9.492	ppbv		99
26) Hexane	2.839	57	208955	9.203	ppbv		97
27) Carbon Disulfide	2.159	76	138176	8.978	ppbv		97
28) Methyl tert-Butyl Ether	2.453	73	94554	8.365	ppbv		100
29) Chloroform	2.865	83	281191	9.202	ppbv		97
30) Cyclohexane	3.878	84	168830	9.161	ppbv		94
31) cis-1,2-Dichloroethene	2.735	61	199564	9.285	ppbv		99
32) 1,1,1-Trichloroethane	3.386	97	278512	9.396	ppbv		98
34) 2-Butanone	2.570	43	308064	9.727	ppbv		97
35) Carbon Tetrachloride	3.784	117	276599	9.867	ppbv		98
36) Benzene	3.677	78	399804	9.395	ppbv		98
37) 1,2-Dichloroethane	3.233	62	223946	9.491	ppbv		99
38) Trichloroethene	4.573	130	156488	9.005	ppbv		96
39) 1,2-Dichloropropane	4.340	63	152063	9.414	ppbv		97
40) 1,4-Dioxane	4.616	88	65010	8.817	ppbv	#	98
41) Tetrahydrofuran	3.072	42	181453	9.696	ppbv		99
42) Bromodichloromethane	4.512	83	305385	9.606	ppbv		97
43) Methyl Methacrylate	4.910	69	160954	9.685	ppbv		95
44) 2,2,4-Trimethylpentane	4.667	57	712051	9.480	ppbv		99
45) t-1,3-Dichloropropene	6.447	75	159680	9.671	ppbv		90

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	206836	9.680	ppbv		96
47) 1,1,2-Trichloroethane	6.613	97	148220	9.039	ppbv		95
48) Dibromochloromethane	7.412	129	241593	9.407	ppbv		100
49) Bromoform	9.503	173	210370	9.432	ppbv		98
50) 4-Methyl-2-Pentanone	5.790	43	431123	10.526	ppbv		98
51) 2-Hexanone	7.464	43	354515	12.576	ppbv	#	100
52) Tetrachloroethene	8.247	164	134062	9.202	ppbv		97
53) Toluene	6.962	91	448495	9.430	ppbv		98
54) 1,2-Dibromoethane	7.677	107	206335	9.307	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.946	131	182800	9.234	ppbv		99
57) Chlorobenzene	8.943	112	334696	9.216	ppbv		99
58) Ethyl Benzene	9.377	91	613622	9.513	ppbv		99
59) m/p-Xylene	9.571	91	977425m	19.041	ppbv		
60) o-Xylene	9.985	91	481683	9.334	ppbv		100
61) Styrene	9.891	104	241617	9.959	ppbv		99
62) Isopropylbenzene	10.558	105	729350	9.437	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.982	83	312794	9.204	ppbv		99
64) n-propylbenzene	11.008	120	192704	9.506	ppbv		99
65) tert-Butylbenzene	11.548	119	632202	8.988	ppbv		100
66) Benzyl Chloride	11.633	91	52645	9.808	ppbv		98
67) sec-Butylbenzene	11.785	105	914405	9.090	ppbv		99
69) p-Isopropyltoluene	11.940	119	753761	9.418	ppbv		100
70) n-Butylbenzene	12.296	91	781034	9.560	ppbv		99
71) 2-Chlorotoluene	10.917	91	559993	9.399	ppbv		100
72) 4-Ethyltoluene	11.144	105	602156	9.557	ppbv		99
73) 1,3,5-Trimethylbenzene	11.222	105	505451	9.248	ppbv		100
74) 1,2,4-Trimethylbenzene	11.555	105	547176	8.891	ppbv		95
75) 1,3-Dichlorobenzene	11.623	146	324491	9.161	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	322712	9.176	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	312159	9.081	ppbv		99
78) Hexachloro-1,3-Butadiene	13.895	225	228480	8.543	ppbv		99
79) Naphthalene	13.529	128	513148	12.160	ppbv		98
80) Naphthalene,2-methyl-	14.474	142	198077	17.152	ppbv		98
81) 1,2,4-Trichlorobenzene	13.455	180	234354	9.965	ppbv		97

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

Quantitation Report (QT Reviewed)

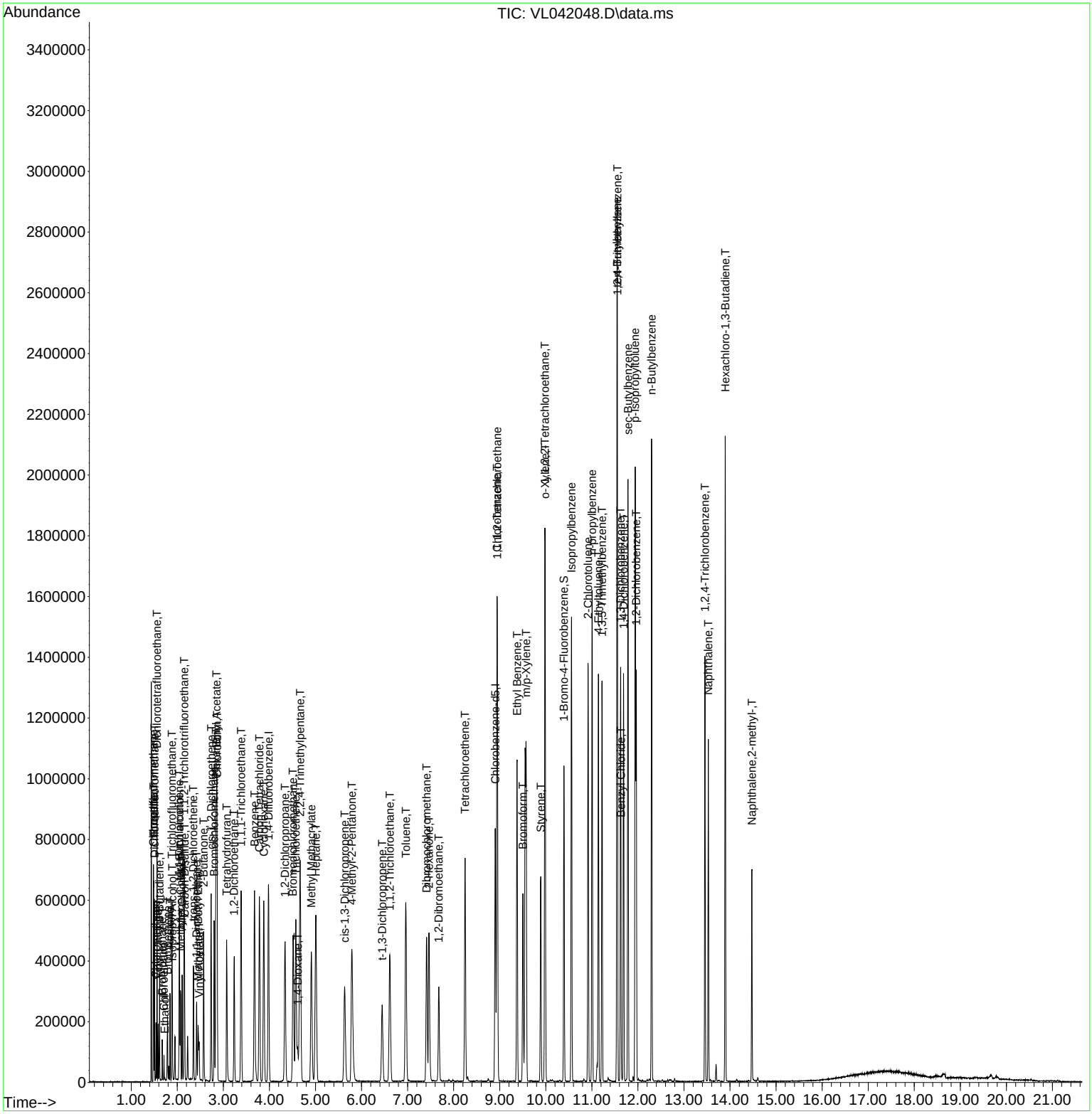
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	99	0.00
2	T	Dichlorodifluoromethane	1.040	0.999	3.9	104	0.00
3		Chlorodifluoromethane	1.453	1.382	4.9	104	0.00
4		Chloromethane	0.385	0.344	10.6	99	0.00
5	T	Vinyl Chloride	0.364	0.332	8.8	97	0.00
6	T	Bromomethane	0.173	0.160	7.5	98	0.00
7		Chloroethane	0.148	0.140	5.4	102	0.00
8	T	Dichlorotetrafluoroethane	0.855	0.800	6.4	101	0.00
9	T	Propene	0.592	0.572	3.4	108	0.00
10	T	Heptane	1.844	1.694	8.1	100	0.00
11	T	Trichlorofluoromethane	1.042	0.987	5.3	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	0.831	0.724	12.9	102	0.00
13		Ethanol	0.038	0.017#	55.3#	83	0.00
14	T	Bromoethene	0.293	0.274	6.5	103	0.00
15	T	Acetone	0.883	0.747	15.4	103	0.00
16	T	1,3-Butadiene	0.411	0.388	5.6	107	0.00
17		tert-Butyl alcohol	1.105	0.970	12.2	101	0.00
18	T	1,1-Dichloroethene	0.376	0.327	13.0	101	0.00
19	T	Isopropyl Alcohol	0.507	0.438	13.6	103	0.00
20	T	Methylene Chloride	0.334	0.265	20.7	100	0.00
21	T	Allyl Chloride	0.638	0.571	10.5	105	0.00
22	T	trans-1,2-Dichloroethene	0.438	0.372	15.1	103	0.00
23	T	Vinyl Acetate	0.621	0.589	5.2	112	0.00
24	T	1,1-Dichloroethane	0.815	0.710	12.9	105	0.00
25	T	Ethyl Acetate	3.535	3.355	5.1	104	0.00
26	T	Hexane	1.429	1.315	8.0	101	0.00
27	T	Carbon Disulfide	0.969	0.870	10.2	100	0.00
28	T	Methyl tert-Butyl Ether	0.711	0.595	16.3	112	0.00
29	T	Chloroform	1.923	1.770	8.0	101	0.00
30	T	Cyclohexane	1.160	1.063	8.4	97	0.00
31	T	cis-1,2-Dichloroethene	1.353	1.256	7.2	100	0.00
32	T	1,1,1-Trichloroethane	1.866	1.753	6.1	98	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
34	T	2-Butanone	0.779	0.758	2.7	105	0.00
35	T	Carbon Tetrachloride	0.690	0.680	1.4	100	0.00
36	T	Benzene	1.047	0.983	6.1	98	0.00
37	T	1,2-Dichloroethane	0.580	0.551	5.0	102	0.00
38	T	Trichloroethene	0.427	0.385	9.8	98	0.00
39	T	1,2-Dichloropropane	0.397	0.374	5.8	101	0.00
40	T	1,4-Dioxane	0.181	0.160	11.6	94	0.00
41	T	Tetrahydrofuran	0.460	0.446	3.0	103	0.00
42	T	Bromodichloromethane	0.782	0.751	4.0	98	0.00
43		Methyl Methacrylate	0.409	0.396	3.2	97	0.00
44	T	2,2,4-Trimethylpentane	1.848	1.752	5.2	101	0.00
45	T	t-1,3-Dichloropropene	0.406	0.393	3.2	96	0.00
46	T	cis-1,3-Dichloropropene	0.526	0.509	3.2	95	0.00
47	T	1,1,2-Trichloroethane	0.403	0.365	9.4	97	0.00
48	T	Dibromochloromethane	0.632	0.594	6.0	96	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
Data File : VL042048.D
Acq On : 25 Feb 2025 13:15
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL022525

Quant Time: Feb 26 01:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.549	0.517	5.8	95	0.00
50	T	4-Methyl-2-Pentanone	1.008	1.061	-5.3	101	0.00
51	T	2-Hexanone	0.693	0.872	-25.8	101	0.00
52	T	Tetrachloroethene	0.358	0.330	7.8	97	0.00
53	T	Toluene	1.170	1.103	5.7	97	0.00
54	T	1,2-Dibromoethane	0.545	0.508	6.8	98	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
56		1,1,1,2-Tetrachloroethane	0.565	0.522	7.6	97	0.00
57	T	Chlorobenzene	1.037	0.956	7.8	98	0.00
58	T	Ethyl Benzene	1.842	1.752	4.9	97	0.00
59	T	m/p-Xylene	1.466	1.395	4.8	98	0.02
60	T	o-Xylene	1.473	1.375	6.7	98	0.00
61	T	Styrene	0.693	0.690	0.4	98	0.00
62		Isopropylbenzene	2.207	2.082	5.7	99	0.00
63	T	1,1,2,2-Tetrachloroethane	0.970	0.893	7.9	99	0.00
64		n-propylbenzene	0.579	0.550	5.0	98	0.00
65		tert-Butylbenzene	2.008	1.805	10.1	97	0.00
66	T	Benzyl Chloride	0.153	0.150	2.0	92	0.00
67		sec-Butylbenzene	2.872	2.611	9.1	98	0.00
68	S	1-Bromo-4-Fluorobenzene	0.769	0.784	-2.0	96	0.00
69		p-Isopropyltoluene	2.285	2.152	5.8	100	0.00
70		n-Butylbenzene	2.332	2.230	4.4	101	0.00
71		2-Chlorotoluene	1.701	1.599	6.0	99	0.00
72	T	4-Ethyltoluene	1.799	1.719	4.4	99	0.00
73	T	1,3,5-Trimethylbenzene	1.560	1.443	7.5	98	0.00
74	T	1,2,4-Trimethylbenzene	1.757	1.562	11.1	99	0.00
75	T	1,3-Dichlorobenzene	1.011	0.926	8.4	100	0.00
76	T	1,4-Dichlorobenzene	1.004	0.921	8.3	100	0.00
77	T	1,2-Dichlorobenzene	0.981	0.891	9.2	100	0.00
78	T	Hexachloro-1,3-Butadiene	0.764	0.652	14.7	96	0.00
79	T	Naphthalene	1.205	1.465	-21.6	100	0.00
80	T	Naphthalene,2-methyl-	0.330	0.566	-71.5#	94	0.00
81	T	1,2,4-Trichlorobenzene	0.671	0.669	0.3	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

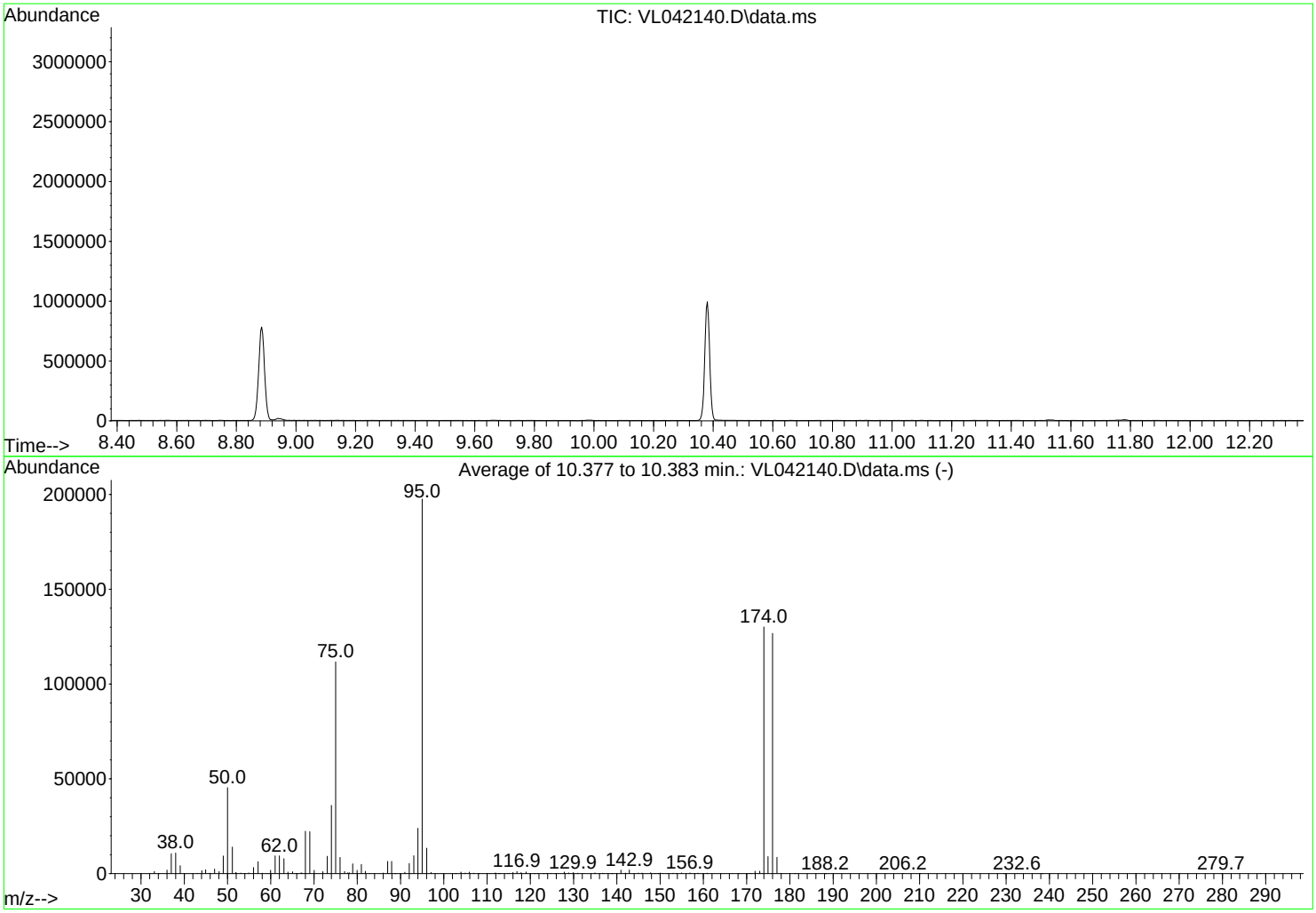
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042140.D
Acq On : 14 Mar 2025 07:56
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

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



AutoFind: Scans 3179, 3180, 3181; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.9	45333	PASS
75	95	30	66	56.5	111685	PASS
95	95	100	100	100.0	197589	PASS
96	95	5	9	6.8	13388	PASS
173	174	0.00	2	1.0	1315	PASS
174	95	50	120	65.9	130120	PASS
175	174	4	9	6.9	8967	PASS
176	174	93	101	97.4	126715	PASS
177	176	5	9	6.8	8618	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042141.D
Acq On : 14 Mar 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 23:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	175939	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.959	114	420429	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	358414	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	293332	10.638	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	191974	10.493	ppbv	100
3) Chlorodifluoromethane	1.476	51	228149	8.922	ppbv	100
4) Chloromethane	1.532	50	72618	10.733	ppbv	97
5) Vinyl Chloride	1.580	62	70955	11.087	ppbv	96
6) Bromomethane	1.667	94	34387	11.284	ppbv	97
7) Chloroethane	1.703	64	27399	10.537	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	161623	10.746	ppbv	98
9) Propene	1.483	41	95933	9.209	ppbv	98
10) Heptane	4.979	43	269945	8.323	ppbv	98
11) Trichlorofluoromethane	1.875	101	202929	11.070	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.137	101	150319	10.280	ppbv	96
13) Ethanol	1.719	45	5940	8.982	ppbv	91
14) Bromoethene	1.781	108	55223	10.694	ppbv	99
15) Acetone	1.836	43	157921	10.164	ppbv	98
16) 1,3-Butadiene	1.609	39	76015	10.513	ppbv	99
17) tert-Butyl alcohol	2.040	59	177586	9.136	ppbv	100
18) 1,1-Dichloroethene	2.033	96	64716	9.795	ppbv	92
19) Isopropyl Alcohol	1.884	45	90039	10.088	ppbv	96
20) Methylene Chloride	2.059	84	64336	10.947	ppbv	97
21) Allyl Chloride	2.095	41	113949	10.150	ppbv	97
22) trans-1,2-Dichloroethene	2.341	96	80485	10.449	ppbv	90
23) Vinyl Acetate	2.460	43	94433	8.644	ppbv	99
24) 1,1-Dichloroethane	2.409	63	154561	10.784	ppbv	99
25) Ethyl Acetate	2.836	43	552236	8.880	ppbv	99
26) Hexane	2.823	57	224625	8.934	ppbv	98
27) Carbon Disulfide	2.150	76	186073	10.918	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	106326	8.494	ppbv	99
29) Chloroform	2.849	83	296552	8.764	ppbv	99
30) Cyclohexane	3.855	84	163459	8.010	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	193004	8.109	ppbv	98
32) 1,1,1-Trichloroethane	3.367	97	268630	8.184	ppbv	95
34) 2-Butanone	2.558	43	305355	9.323	ppbv	96
35) Carbon Tetrachloride	3.762	117	279849	9.653	ppbv	99
36) Benzene	3.655	78	399974	9.088	ppbv	95
37) 1,2-Dichloroethane	3.218	62	217321	8.906	ppbv	100
38) Trichloroethene	4.548	130	152158	8.466	ppbv	96
39) 1,2-Dichloropropane	4.315	63	150906	9.033	ppbv	96
40) 1,4-Dioxane	4.580	88	67340	8.830	ppbv #	99
41) Tetrahydrofuran	3.056	42	174452	9.014	ppbv	98
42) Bromodichloromethane	4.487	83	307764	9.361	ppbv	93
43) Methyl Methacrylate	4.881	69	145265	8.451	ppbv	96
44) 2,2,4-Trimethylpentane	4.635	57	717940	9.243	ppbv	98
45) t-1,3-Dichloropropene	6.412	75	135149	7.914	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042141.D
Acq On : 14 Mar 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 23:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.603	75	183303	8.295	ppbv		98
47)	1,1,2-Trichloroethane	6.581	97	154904	9.134	ppbv		96
48)	Dibromochloromethane	7.387	129	239456	9.015	ppbv		98
49)	Bromoform	9.484	173	213827	9.270	ppbv		99
50)	4-Methyl-2-Pentanone	5.755	43	408504	9.644	ppbv		96
51)	2-Hexanone	7.438	43	316988	10.872	ppbv	#	98
52)	Tetrachloroethene	8.225	164	129959	8.625	ppbv		98
53)	Toluene	6.933	91	423735	8.614	ppbv		98
54)	1,2-Dibromoethane	7.652	107	201881	8.805	ppbv		90
56)	1,1,1,2-Tetrachloroethane	8.924	131	192287	9.492	ppbv		100
57)	Chlorobenzene	8.921	112	344848	9.280	ppbv		99
58)	Ethyl Benzene	9.354	91	572580	8.675	ppbv		100
59)	m/p-Xylene	9.552	91	960961m	18.294	ppbv		
60)	o-Xylene	9.963	91	485048	9.185	ppbv		99
61)	Styrene	9.872	104	211885	8.535	ppbv		99
62)	Isopropylbenzene	10.539	105	718498	9.085	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.963	83	341487	9.820	ppbv		100
64)	n-propylbenzene	10.989	120	196285	9.462	ppbv		100
65)	tert-Butylbenzene	11.533	119	655886	9.113	ppbv		98
66)	Benzyl Chloride	11.617	91	45818	8.342	ppbv		97
67)	sec-Butylbenzene	11.769	105	924266	8.979	ppbv		98
69)	p-Isopropyltoluene	11.928	119	753153	9.197	ppbv		99
70)	n-Butylbenzene	12.280	91	771737	9.232	ppbv		100
71)	2-Chlorotoluene	10.902	91	537863	8.822	ppbv		100
72)	4-Ethyltoluene	11.125	105	585082	9.074	ppbv		99
73)	1,3,5-Trimethylbenzene	11.203	105	494157	8.836	ppbv		98
74)	1,2,4-Trimethylbenzene	11.536	105	560827	8.905	ppbv		92
75)	1,3-Dichlorobenzene	11.607	146	336601	9.287	ppbv		98
76)	1,4-Dichlorobenzene	11.672	146	327927	9.113	ppbv		99
77)	1,2-Dichlorobenzene	11.947	146	330229	9.389	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.883	225	230108	8.408	ppbv		99
79)	Naphthalene	13.514	128	481899	11.160	ppbv		100
80)	Naphthalene,2-methyl-	14.459	142	151227	12.797	ppbv		99
81)	1,2,4-Trichlorobenzene	13.439	180	219258	9.111	ppbv		99

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

Quantitation Report (QT Reviewed)

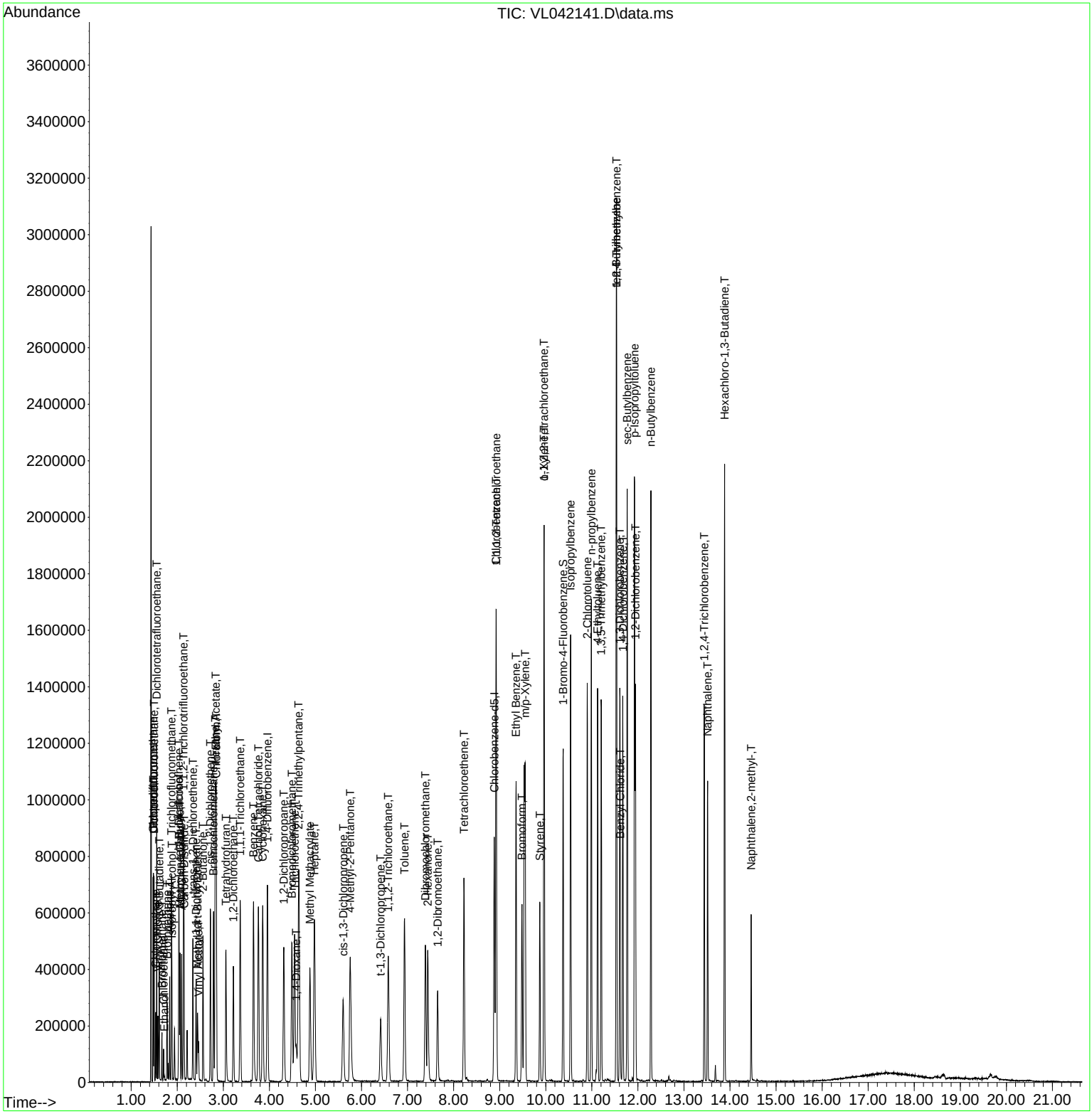
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042141.D
Acq On : 14 Mar 2025 08:39
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 23:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042141.D
Acq On : 14 Mar 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: Mar 14 23:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	109	-0.02
2	T	Dichlorodifluoromethane	1.040	1.091	-4.9	126	0.00
3		Chlorodifluoromethane	1.453	1.297	10.7	108	0.00
4		Chloromethane	0.385	0.413	-7.3	131	0.00
5	T	Vinyl Chloride	0.364	0.403	-10.7	131	0.00
6	T	Bromomethane	0.173	0.195	-12.7	133	0.00
7		Chloroethane	0.148	0.156	-5.4	126	0.00
8	T	Dichlorotetrafluoroethane	0.855	0.919	-7.5	129	0.00
9	T	Propene	0.592	0.545	7.9	114	0.00
10	T	Heptane	1.844	1.534	16.8	101	-0.03
11	T	Trichlorofluoromethane	1.042	1.153	-10.7	133	0.00
12	T	1,1,2-Trichlorotrifluoroeth	0.831	0.854	-2.8	134	0.00
13		Ethanol	0.038	0.034#	10.5	187#	0.00
14	T	Bromoethene	0.293	0.314	-7.2	130	0.00
15	T	Acetone	0.883	0.898	-1.7	137	0.00
16	T	1,3-Butadiene	0.411	0.432	-5.1	132	0.00
17		tert-Butyl alcohol	1.105	1.009	8.7	116	0.00
18	T	1,1-Dichloroethene	0.376	0.368	2.1	126	0.00
19	T	Isopropyl Alcohol	0.507	0.512	-1.0	133	0.00
20	T	Methylene Chloride	0.334	0.366	-9.6	153#	0.00
21	T	Allyl Chloride	0.638	0.648	-1.6	131	0.00
22	T	trans-1,2-Dichloroethene	0.438	0.457	-4.3	140	0.00
23	T	Vinyl Acetate	0.621	0.537	13.5	113	-0.01
24	T	1,1-Dichloroethane	0.815	0.878	-7.7	143	0.00
25	T	Ethyl Acetate	3.535	3.139	11.2	108	-0.02
26	T	Hexane	1.429	1.277	10.6	109	-0.02
27	T	Carbon Disulfide	0.969	1.058	-9.2	135	0.00
28	T	Methyl tert-Butyl Ether	0.711	0.604	15.0	126	-0.01
29	T	Chloroform	1.923	1.686	12.3	107	-0.01
30	T	Cyclohexane	1.160	0.929	19.9	94	-0.02
31	T	cis-1,2-Dichloroethene	1.353	1.097	18.9	97	-0.01
32	T	1,1,1-Trichloroethane	1.866	1.527	18.2	94	-0.02
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	-0.02
34	T	2-Butanone	0.779	0.726	6.8	104	-0.01
35	T	Carbon Tetrachloride	0.690	0.666	3.5	101	-0.02
36	T	Benzene	1.047	0.951	9.2	98	-0.02
37	T	1,2-Dichloroethane	0.580	0.517	10.9	99	-0.02
38	T	Trichloroethene	0.427	0.362	15.2	95	-0.02
39	T	1,2-Dichloropropane	0.397	0.359	9.6	100	-0.02
40	T	1,4-Dioxane	0.181	0.160	11.6	97	-0.03
41	T	Tetrahydrofuran	0.460	0.415	9.8	99	-0.02
42	T	Bromodichloromethane	0.782	0.732	6.4	99	-0.03
43		Methyl Methacrylate	0.409	0.346	15.4	88	-0.03
44	T	2,2,4-Trimethylpentane	1.848	1.708	7.6	102	-0.03
45	T	t-1,3-Dichloropropene	0.406	0.321	20.9	81	-0.03
46	T	cis-1,3-Dichloropropene	0.526	0.436	17.1	84	-0.03
47	T	1,1,2-Trichloroethane	0.403	0.368	8.7	102	-0.03
48	T	Dibromochloromethane	0.632	0.570	9.8	95	-0.03

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042141.D
Acq On : 14 Mar 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: Mar 14 23:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.549	0.509	7.3	96	-0.02
50	T	4-Methyl-2-Pentanone	1.008	0.972	3.6	95	-0.03
51	T	2-Hexanone	0.693	0.754	-8.8	90	-0.03
52	T	Tetrachloroethene	0.358	0.309	13.7	94	-0.02
53	T	Toluene	1.170	1.008	13.8	92	-0.03
54	T	1,2-Dibromoethane	0.545	0.480	11.9	95	-0.03
55	I	Chlorobenzene-d5	1.000	1.000	0.0	96	-0.02
56		1,1,1,2-Tetrachloroethane	0.565	0.536	5.1	102	-0.02
57	T	Chlorobenzene	1.037	0.962	7.2	101	-0.02
58	T	Ethyl Benzene	1.842	1.598	13.2	90	-0.02
59	T	m/p-Xylene	1.466	1.341	8.5	97	0.00
60	T	o-Xylene	1.473	1.353	8.1	98	-0.02
61	T	Styrene	0.693	0.591	14.7	86	-0.02
62		Isopropylbenzene	2.207	2.005	9.2	98	-0.02
63	T	1,1,2,2-Tetrachloroethane	0.970	0.953	1.8	108	-0.02
64		n-propylbenzene	0.579	0.548	5.4	100	-0.02
65		tert-Butylbenzene	2.008	1.830	8.9	101	-0.01
66	T	Benzyl Chloride	0.153	0.128	16.3	80	-0.01
67		sec-Butylbenzene	2.872	2.579	10.2	100	-0.01
68	S	1-Bromo-4-Fluorobenzene	0.769	0.818	-6.4	103	-0.02
69		p-Isopropyltoluene	2.285	2.101	8.1	100	-0.01
70		n-Butylbenzene	2.332	2.153	7.7	100	-0.02
71		2-Chlorotoluene	1.701	1.501	11.8	95	-0.02
72	T	4-Ethyltoluene	1.799	1.632	9.3	96	-0.02
73	T	1,3,5-Trimethylbenzene	1.560	1.379	11.6	96	-0.02
74	T	1,2,4-Trimethylbenzene	1.757	1.565	10.9	102	-0.02
75	T	1,3-Dichlorobenzene	1.011	0.939	7.1	104	-0.02
76	T	1,4-Dichlorobenzene	1.004	0.915	8.9	102	-0.01
77	T	1,2-Dichlorobenzene	0.981	0.921	6.1	106	-0.02
78	T	Hexachloro-1,3-Butadiene	0.764	0.642	16.0	97	-0.01
79	T	Naphthalene	1.205	1.345	-11.6	94	-0.01
80	T	Naphthalene,2-methyl-	0.330	0.422	-27.9	72	-0.01
81	T	1,2,4-Trichlorobenzene	0.671	0.612	8.8	91	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042142.D
Acq On : 14 Mar 2025 09:23
Operator : SY/MD
Sample : VL0314ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABL01

Quant Time: Mar 14 23:17:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

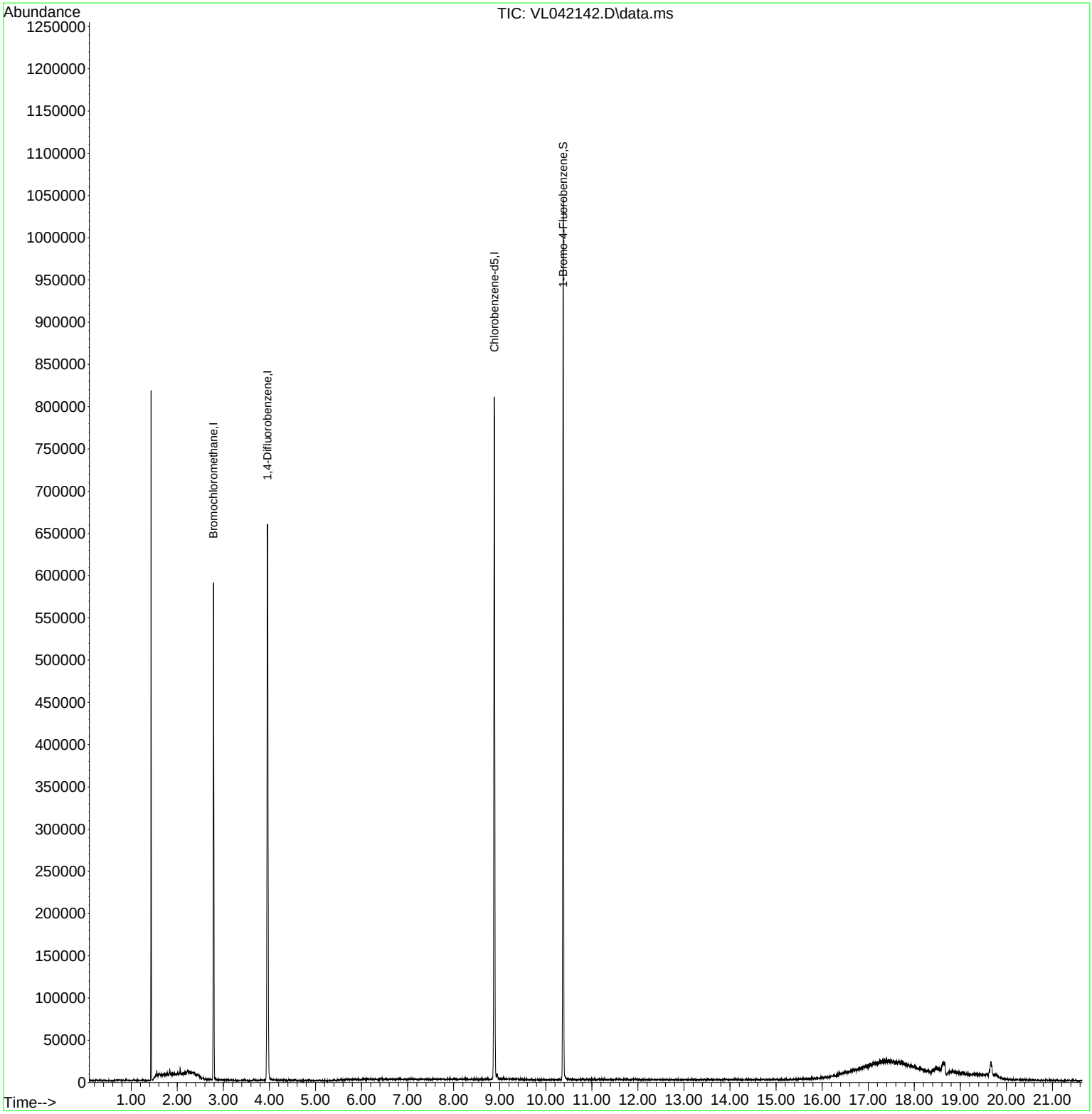
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	167826	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.958	114	392046	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.881	117	329113	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	250856	9.907	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.100%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042142.D
Acq On : 14 Mar 2025 09:23
Operator : SY/MD
Sample : VL0314ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABL01

Quant Time: Mar 14 23:17:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042145.D
Acq On : 14 Mar 2025 11:11
Operator : SY/MD
Sample : QC031325 CAN 10266
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC031325 CAN 10266

Quant Time: Mar 15 06:25:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

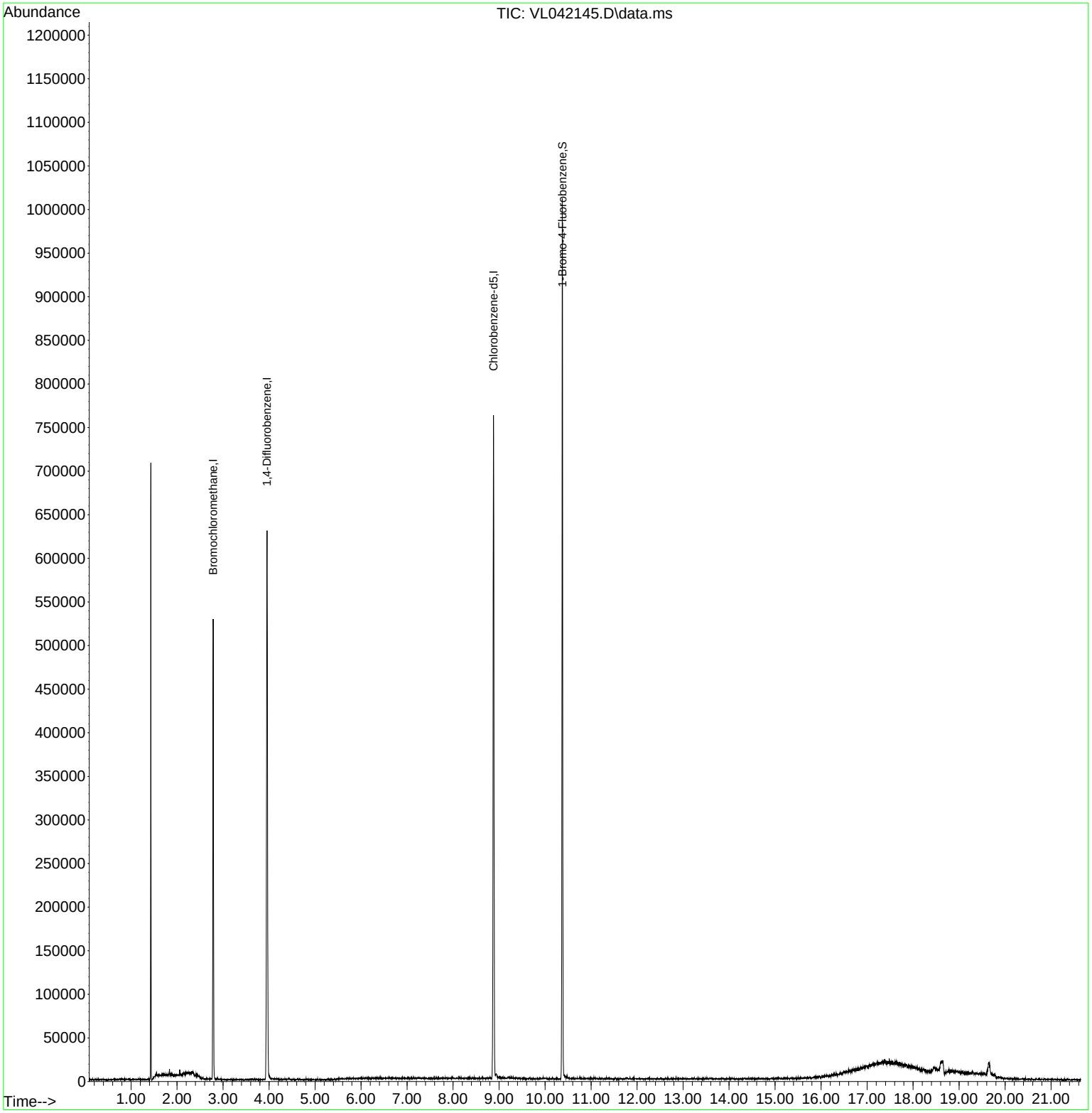
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	156307	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.955	114	350286	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	303615	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	230207	9.855	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042145.D
Acq On : 14 Mar 2025 11:11
Operator : SY/MD
Sample : QC031325 CAN 10266
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC031325 CAN 10266

Quant Time: Mar 15 06:25:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042146.D
Acq On : 14 Mar 2025 12:27
Operator : SY/MD
Sample : VL0314ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 23:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	163026	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	381842	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.885	117	325786	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	276407	11.028	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	183411	10.819	ppbv	99
3) Chlorodifluoromethane	1.476	51	224569	9.478	ppbv	99
4) Chloromethane	1.534	50	72105	11.502	ppbv	95
5) Vinyl Chloride	1.580	62	69189	11.667	ppbv	98
6) Bromomethane	1.667	94	31681	11.220	ppbv	96
7) Chloroethane	1.706	64	27615	11.461	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	159489	11.444	ppbv	99
9) Propene	1.486	41	85053	8.811	ppbv	99
10) Heptane	4.985	43	257569	8.570	ppbv	99
11) Trichlorofluoromethane	1.877	101	201423	11.858	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	144035	10.630	ppbv	97
13) Ethanol	1.722	45	5622	9.175	ppbv	97
14) Bromoethene	1.784	108	55222	11.541	ppbv	97
15) Acetone	1.835	43	154842	10.755	ppbv	98
16) 1,3-Butadiene	1.609	39	74468	11.115	ppbv	99
17) tert-Butyl alcohol	2.042	59	168993	9.382	ppbv	96
18) 1,1-Dichloroethene	2.036	96	64700	10.568	ppbv	97
19) Isopropyl Alcohol	1.887	45	85819	10.377	ppbv #	35
20) Methylene Chloride	2.062	84	64018	11.756	ppbv	96
21) Allyl Chloride	2.098	41	110336	10.607	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	72399	10.144	ppbv	99
23) Vinyl Acetate	2.463	43	87289	8.623	ppbv #	94
24) 1,1-Dichloroethane	2.411	63	140322	10.566	ppbv	99
25) Ethyl Acetate	2.839	43	528086	9.164	ppbv	100
26) Hexane	2.826	57	215050	9.231	ppbv	98
27) Carbon Disulfide	2.153	76	170348	10.787	ppbv	100
28) Methyl tert-Butyl Ether	2.444	73	91925	7.925	ppbv	98
29) Chloroform	2.852	83	284422	9.071	ppbv	98
30) Cyclohexane	3.861	84	155818	8.240	ppbv	94
31) cis-1,2-Dichloroethene	2.722	61	180243	8.173	ppbv	99
32) 1,1,1-Trichloroethane	3.369	97	256963	8.448	ppbv	95
34) 2-Butanone	2.560	43	289331	9.726	ppbv	95
35) Carbon Tetrachloride	3.764	117	267662	10.165	ppbv	97
36) Benzene	3.661	78	376328	9.415	ppbv	99
37) 1,2-Dichloroethane	3.221	62	209658	9.460	ppbv	99
38) Trichloroethene	4.554	130	143571	8.796	ppbv	94
39) 1,2-Dichloropropane	4.318	63	142402	9.386	ppbv	97
40) 1,4-Dioxane	4.590	88	65583	9.469	ppbv #	98
41) Tetrahydrofuran	3.059	42	161433	9.184	ppbv	97
42) Bromodichloromethane	4.493	83	289116	9.682	ppbv	99
43) Methyl Methacrylate	4.884	69	133935	8.580	ppbv	95
44) 2,2,4-Trimethylpentane	4.645	57	687261	9.742	ppbv	98
45) t-1,3-Dichloropropene	6.418	75	122213	7.880	ppbv	97

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042146.D
Acq On : 14 Mar 2025 12:27
Operator : SY/MD
Sample : VL0314ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 23:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	173008	8.620	ppbv		98
47) 1,1,2-Trichloroethane	6.590	97	148902	9.667	ppbv		96
48) Dibromochloromethane	7.393	129	230834	9.569	ppbv		98
49) Bromoform	9.487	173	207997	9.928	ppbv		98
50) 4-Methyl-2-Pentanone	5.761	43	388572	10.100	ppbv		95
51) 2-Hexanone	7.444	43	302871	11.438	ppbv	#	97
52) Tetrachloroethene	8.228	164	123920	9.056	ppbv		98
53) Toluene	6.940	91	392631	8.789	ppbv		98
54) 1,2-Dibromoethane	7.655	107	196312	9.427	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.930	131	188895	10.258	ppbv		99
57) Chlorobenzene	8.924	112	335300	9.927	ppbv		98
58) Ethyl Benzene	9.357	91	553145	9.220	ppbv		99
59) m/p-Xylene	9.555	91	938027m	19.646	ppbv		
60) o-Xylene	9.966	91	472738	9.849	ppbv		99
61) Styrene	9.875	104	200572	8.888	ppbv		99
62) Isopropylbenzene	10.542	105	698706	9.720	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.966	83	335051	10.599	ppbv		99
64) n-propylbenzene	10.992	120	189167	10.032	ppbv		99
65) tert-Butylbenzene	11.536	119	645167	9.861	ppbv		99
66) Benzyl Chloride	11.620	91	46836	9.382	ppbv		97
67) sec-Butylbenzene	11.772	105	930077	9.940	ppbv		99
69) p-Isopropyltoluene	11.930	119	755360	10.147	ppbv		99
70) n-Butylbenzene	12.283	91	760425	10.007	ppbv		100
71) 2-Chlorotoluene	10.904	91	519669	9.378	ppbv		99
72) 4-Ethyltoluene	11.128	105	580446	9.904	ppbv		99
73) 1,3,5-Trimethylbenzene	11.209	105	489177	9.623	ppbv		99
74) 1,2,4-Trimethylbenzene	11.542	105	558174	9.751	ppbv		94
75) 1,3-Dichlorobenzene	11.610	146	329807	10.011	ppbv		100
76) 1,4-Dichlorobenzene	11.675	146	327949	10.026	ppbv		100
77) 1,2-Dichlorobenzene	11.950	146	329758	10.314	ppbv		100
78) Hexachloro-1,3-Butadiene	13.885	225	227664	9.152	ppbv		99
79) Naphthalene	13.516	128	477761	12.172	ppbv		99
80) Naphthalene,2-methyl-	14.461	142	148881	13.860	ppbv		100
81) 1,2,4-Trichlorobenzene	13.445	180	217204	9.930	ppbv		100

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

Quantitation Report (QT Reviewed)

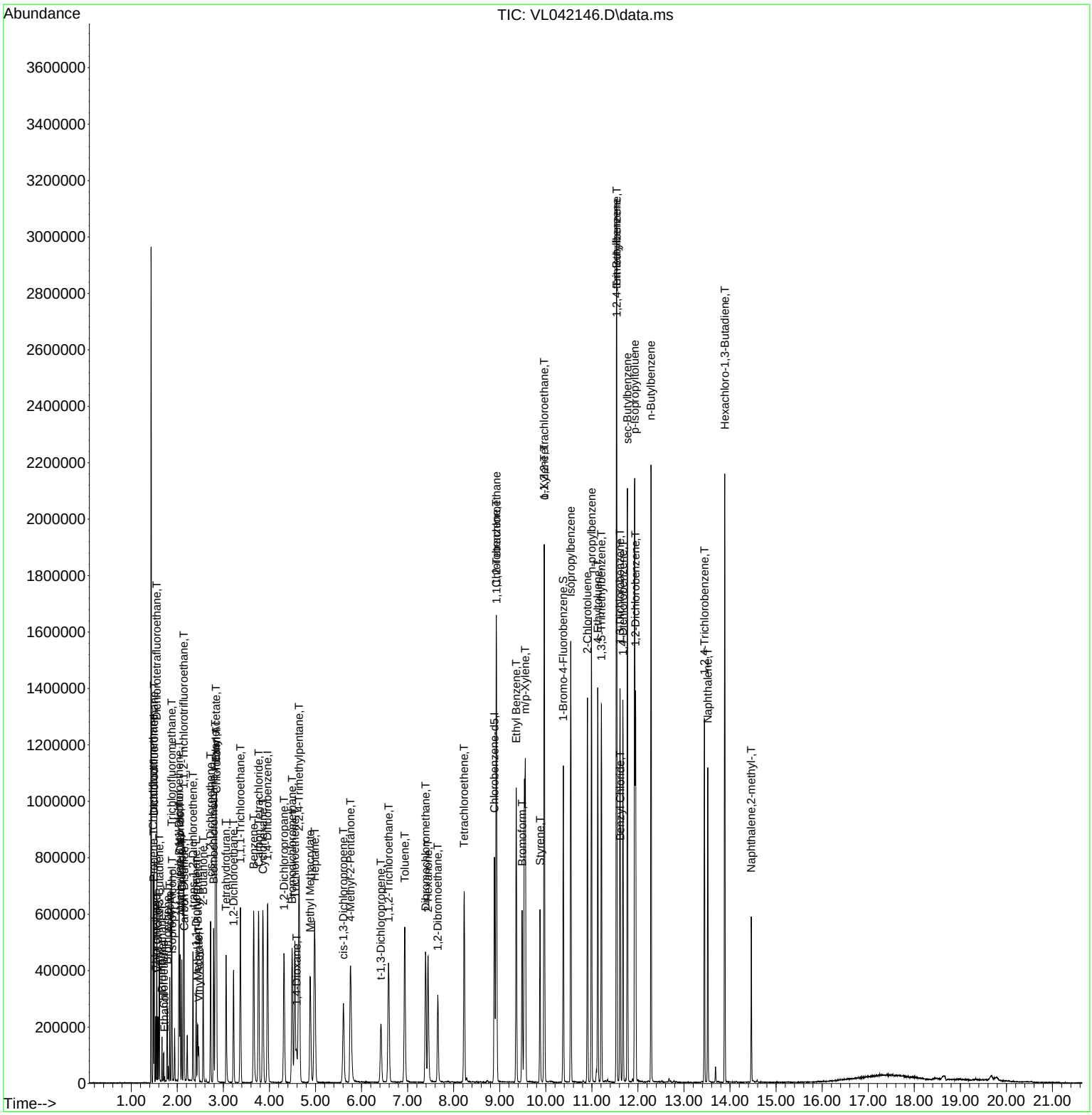
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
Data File : VL042146.D
Acq On : 14 Mar 2025 12:27
Operator : SY/MD
Sample : VL0314ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 14 23:18:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0314ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 03/17/2025
Supervised By :Mahesh Dadoda 03/17/2025



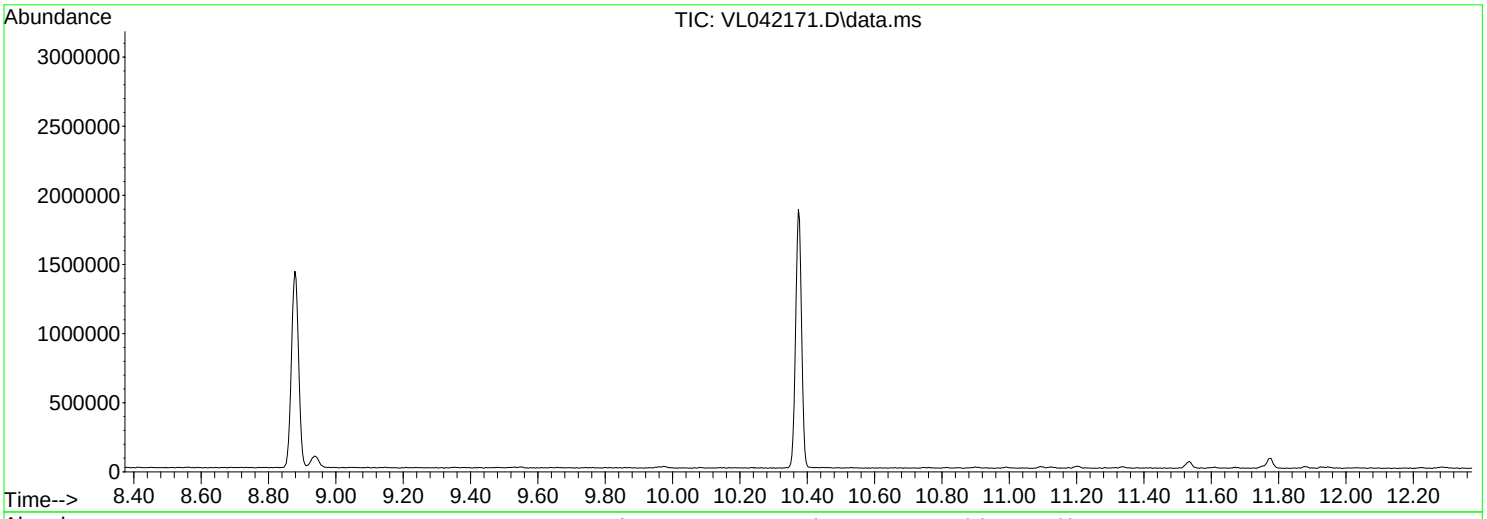
BFB

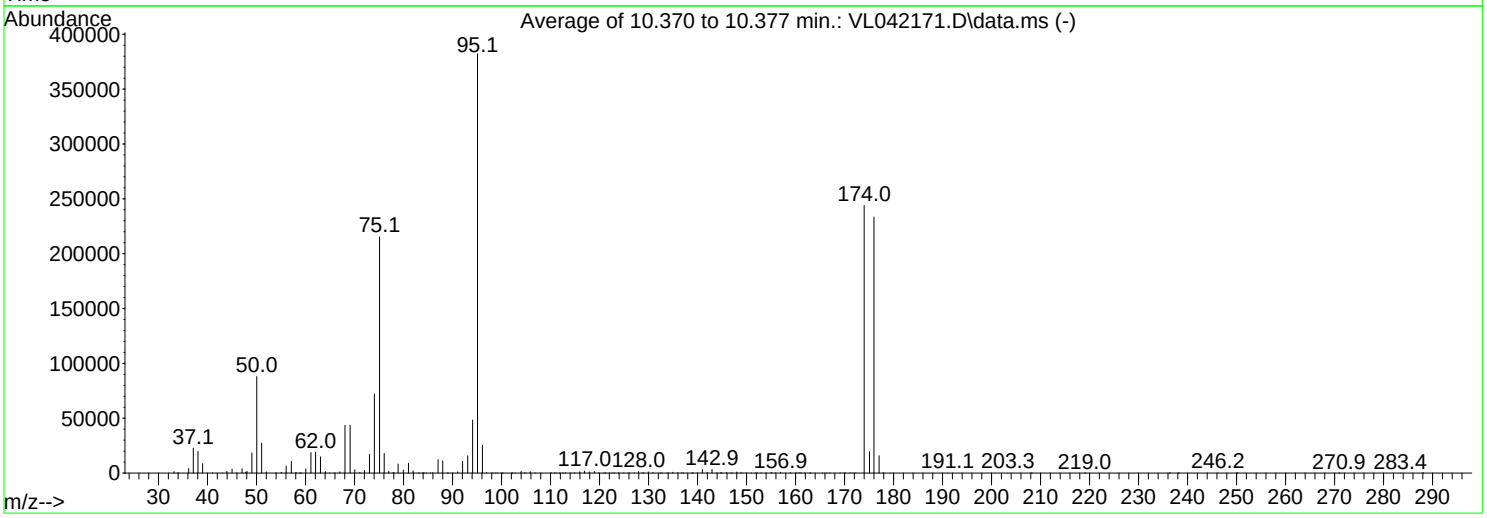
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042171.D
Acq On : 27 Mar 2025 07:44
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

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

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

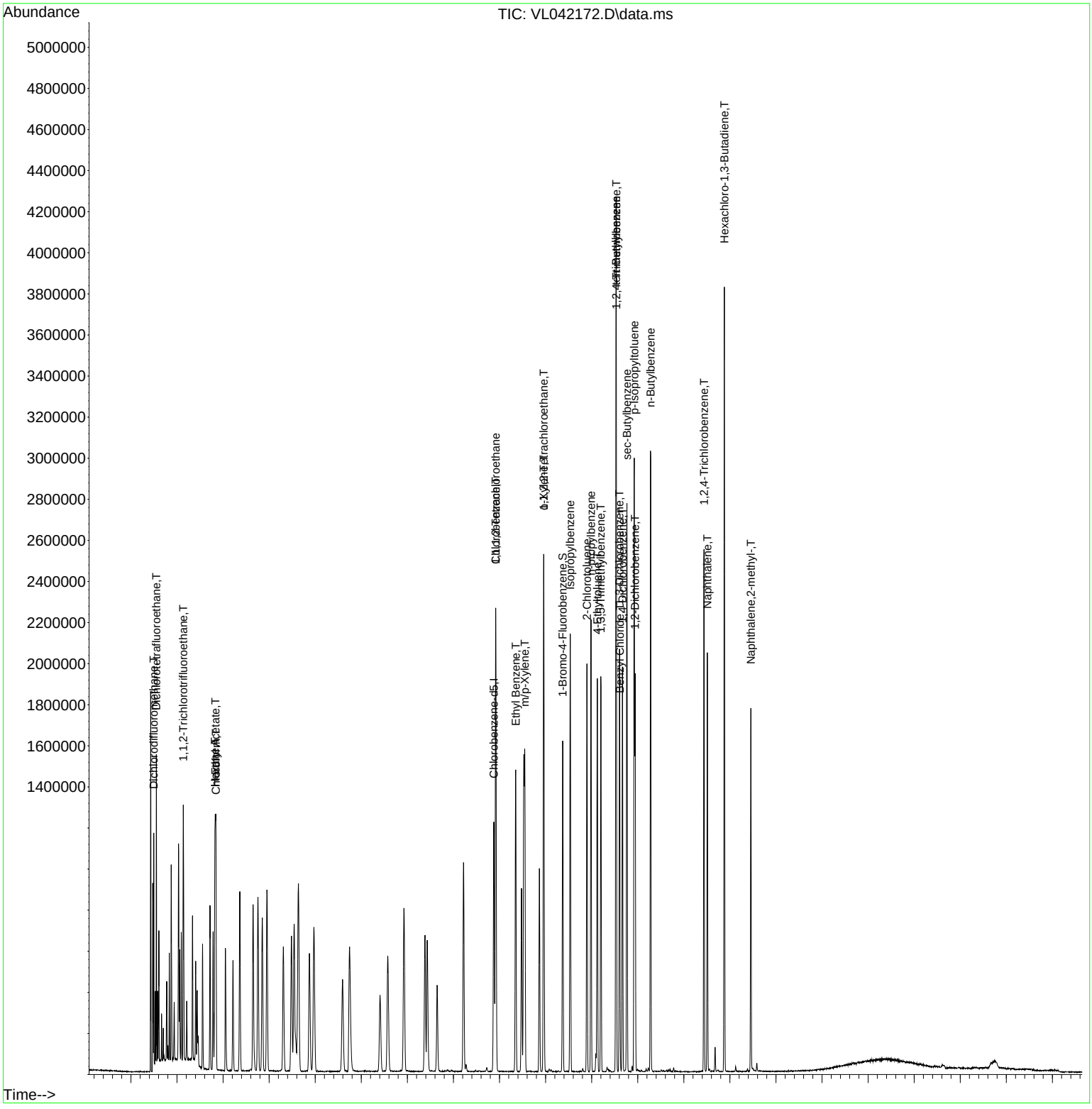
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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

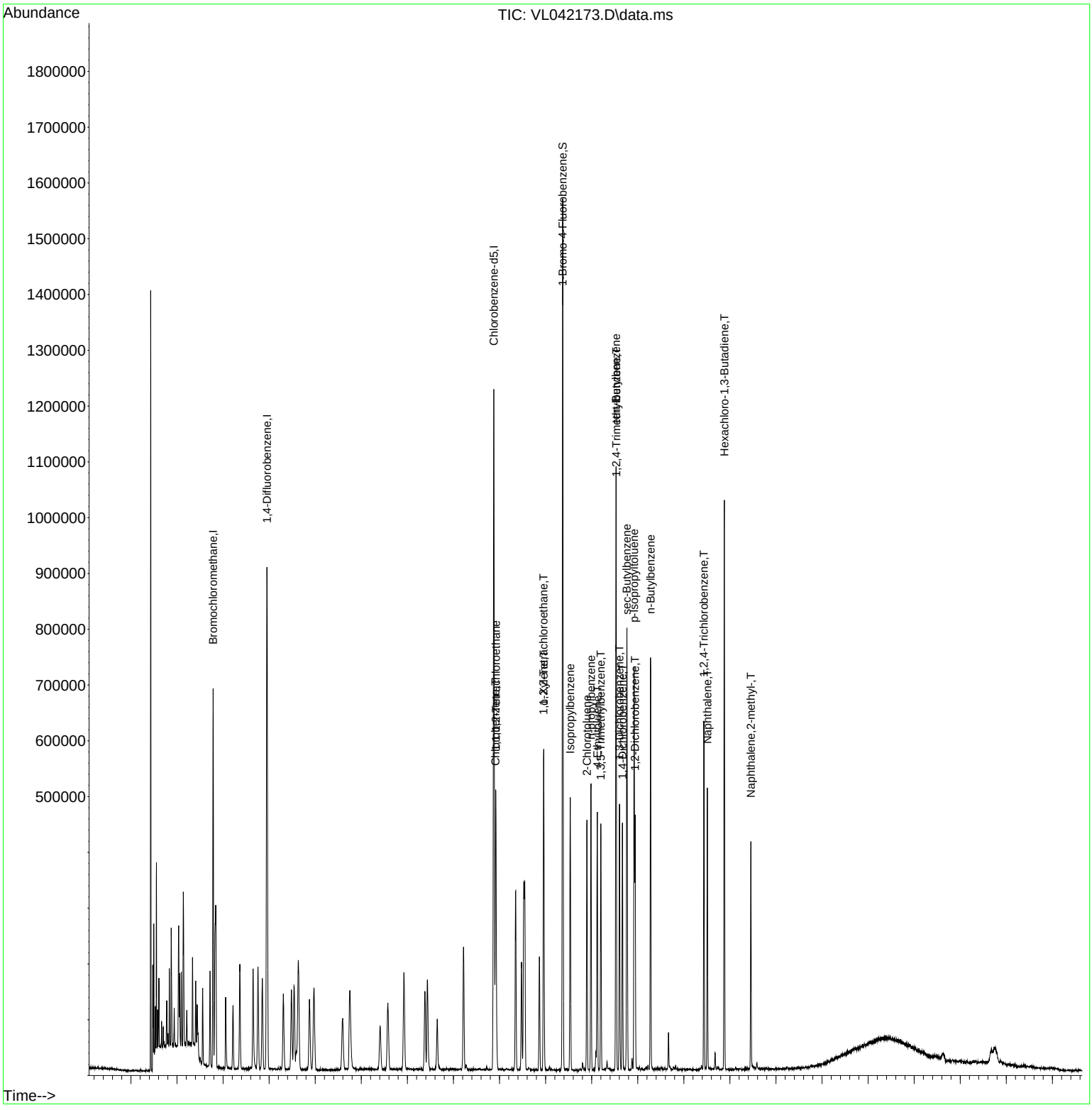
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042173.D
Acq On : 27 Mar 2025 08:59
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

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		

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

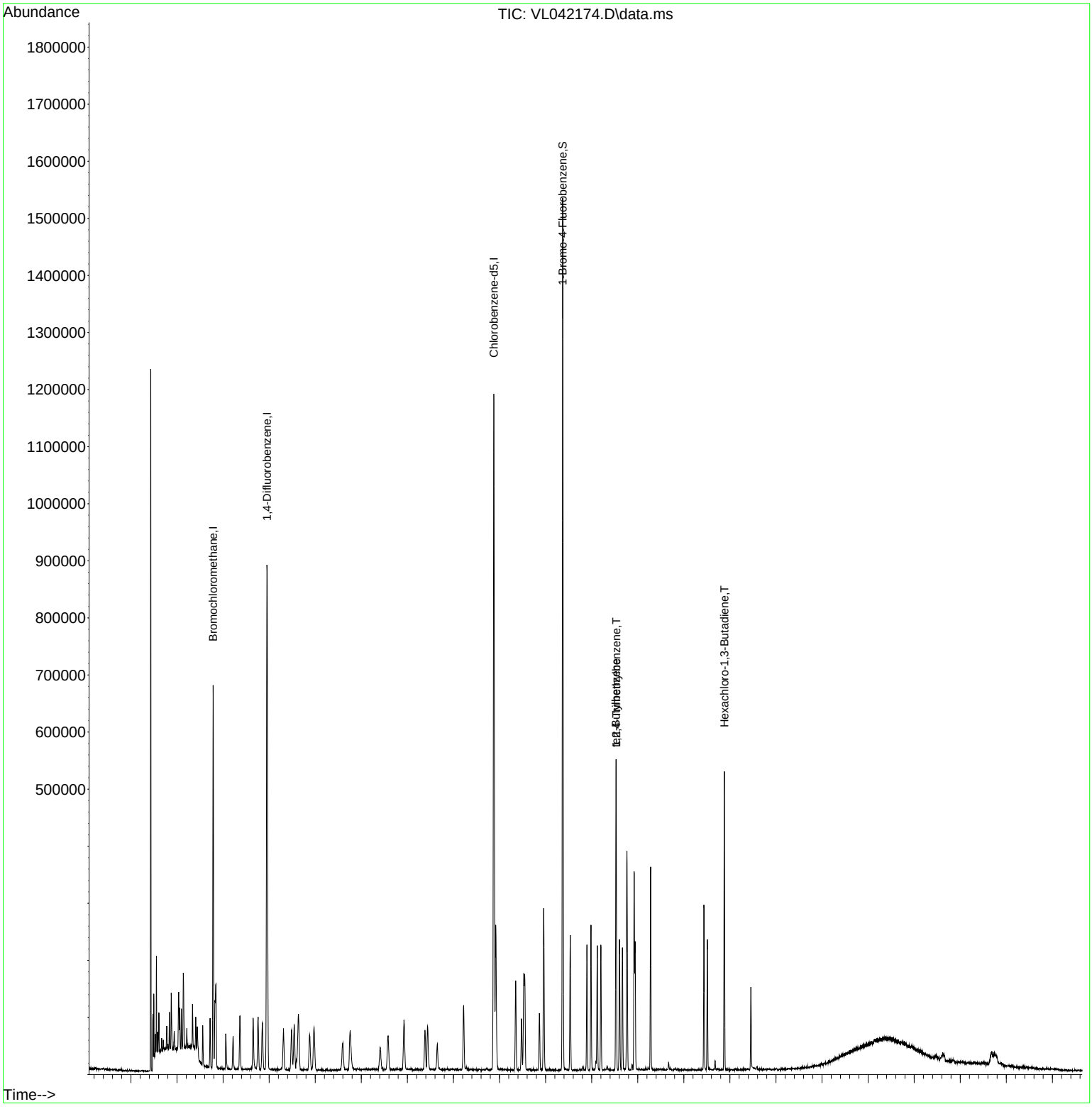
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

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

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

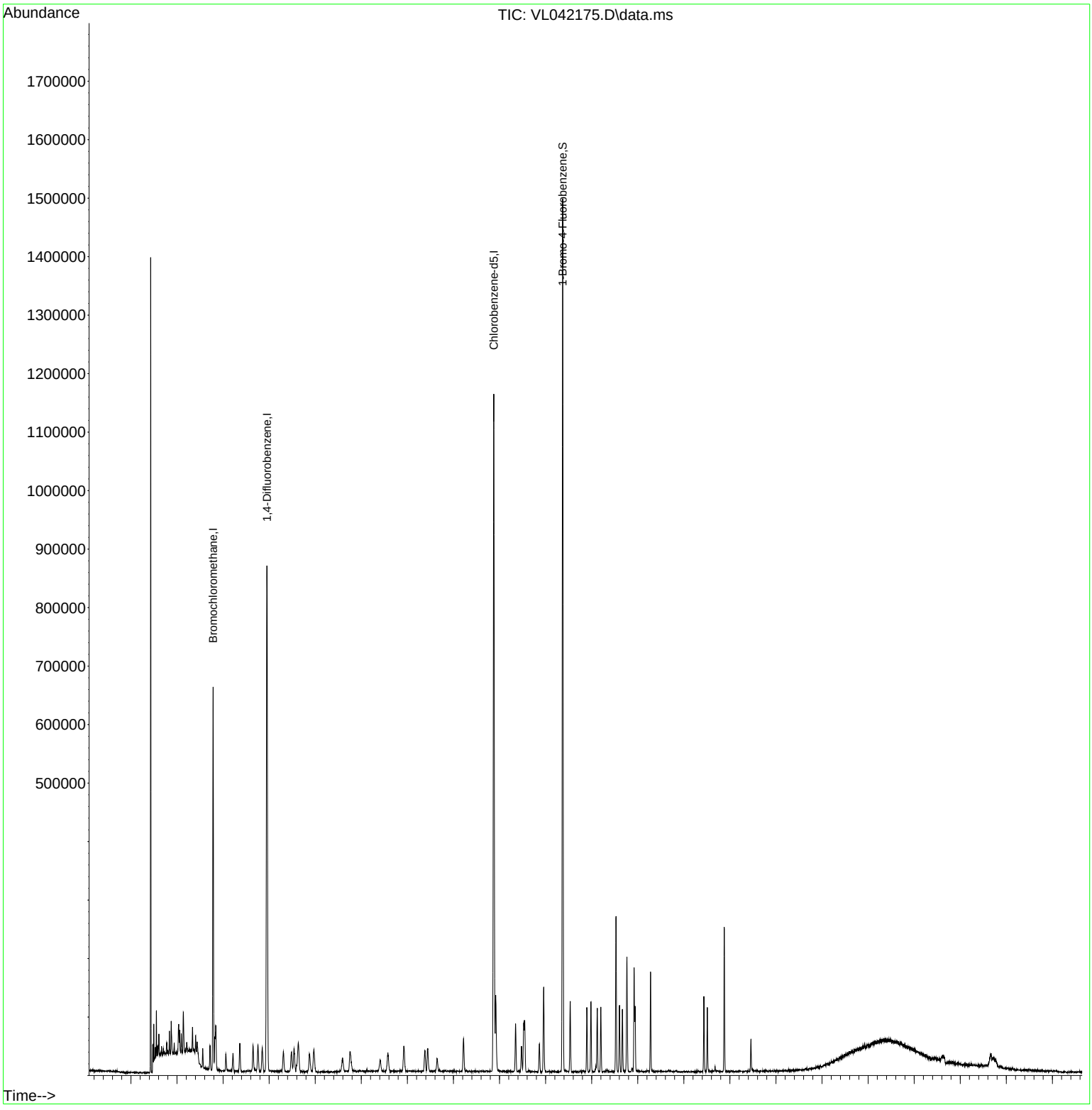
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

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

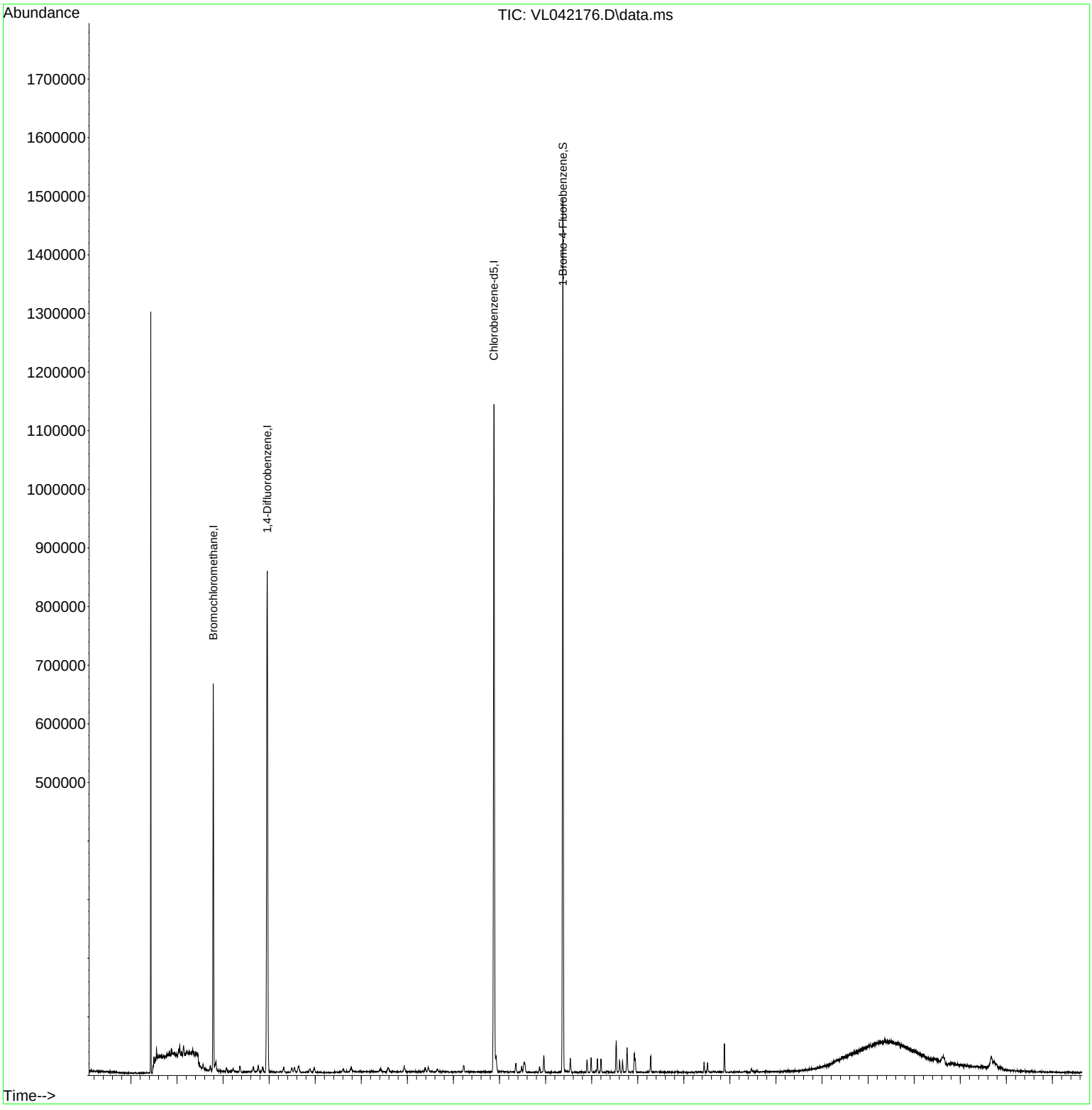
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

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

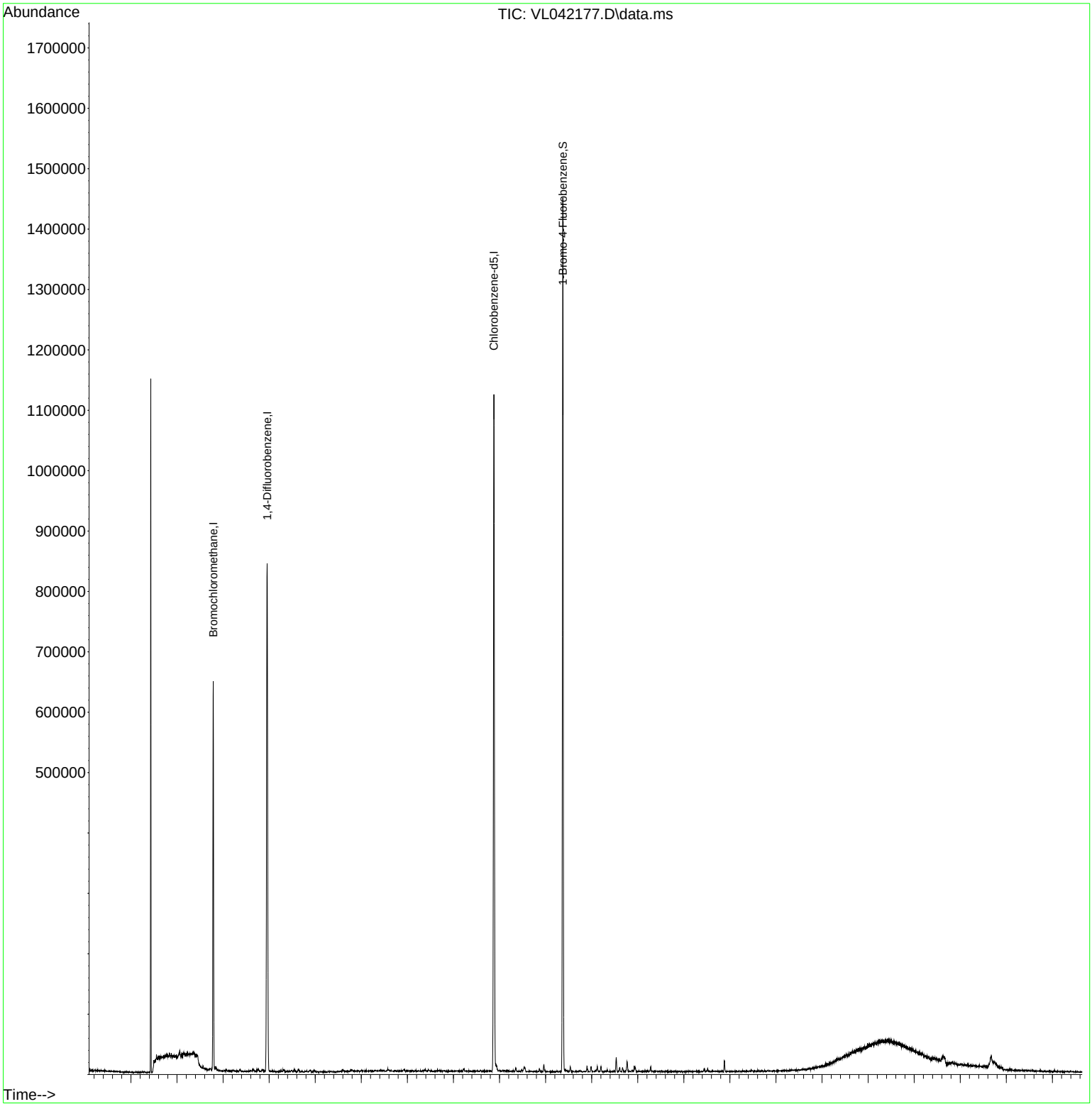
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042177.D
Acq On : 27 Mar 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

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

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)
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

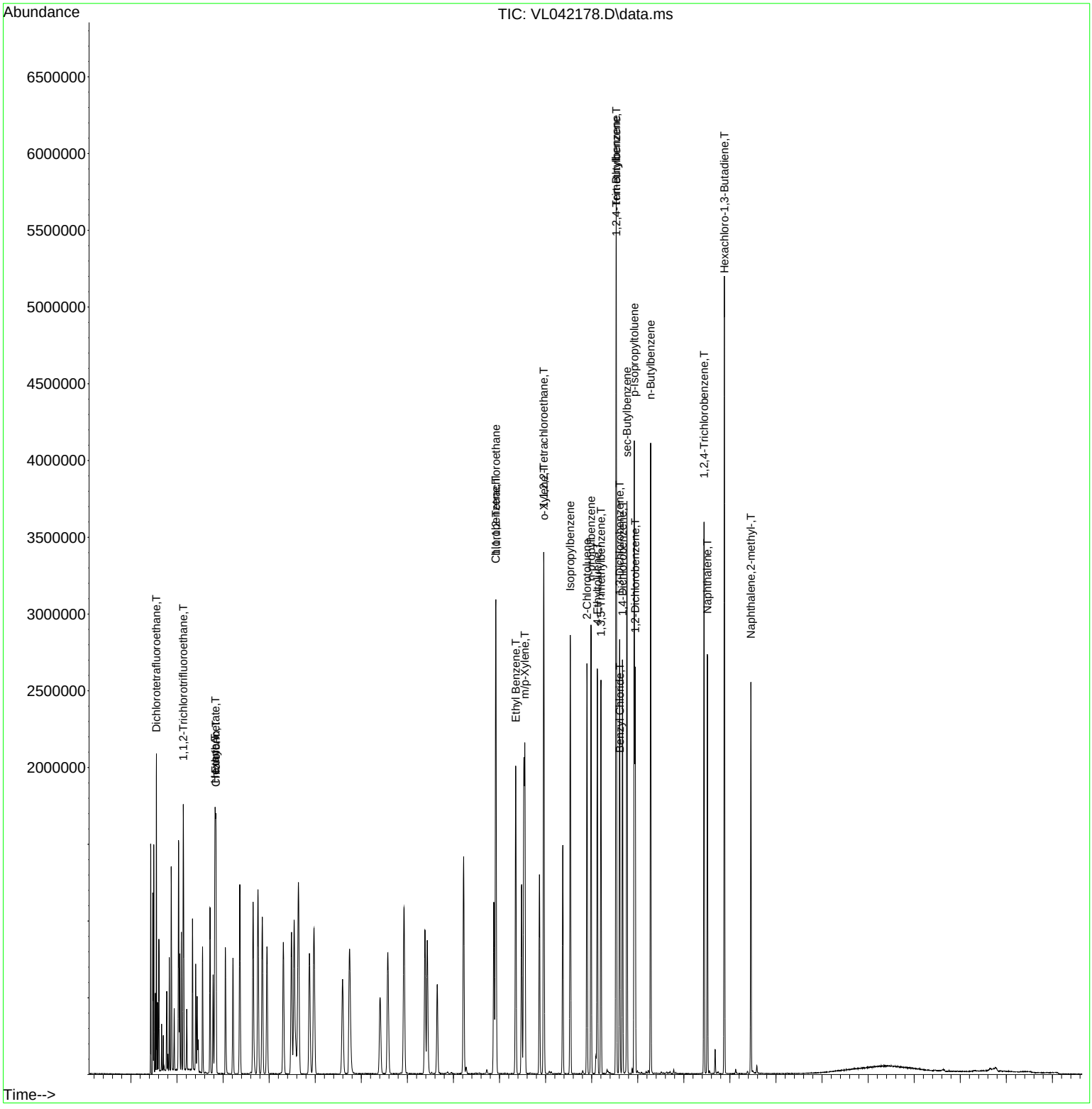
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

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

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

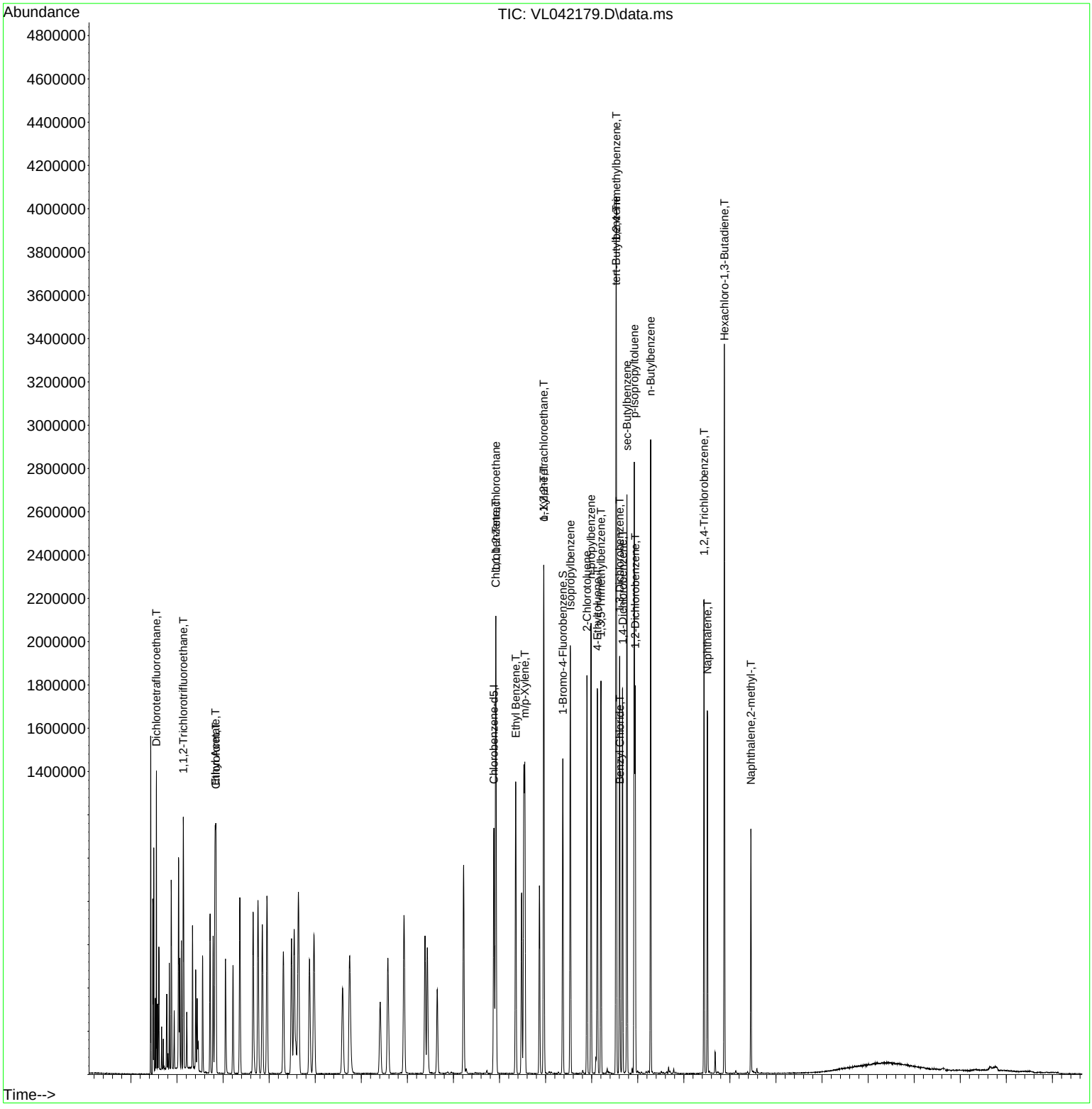
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042180.D
Acq On : 27 Mar 2025 13:50
Operator : SY/MD
Sample : VL0327ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABL01

Quant Time: Mar 28 02:12:10 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

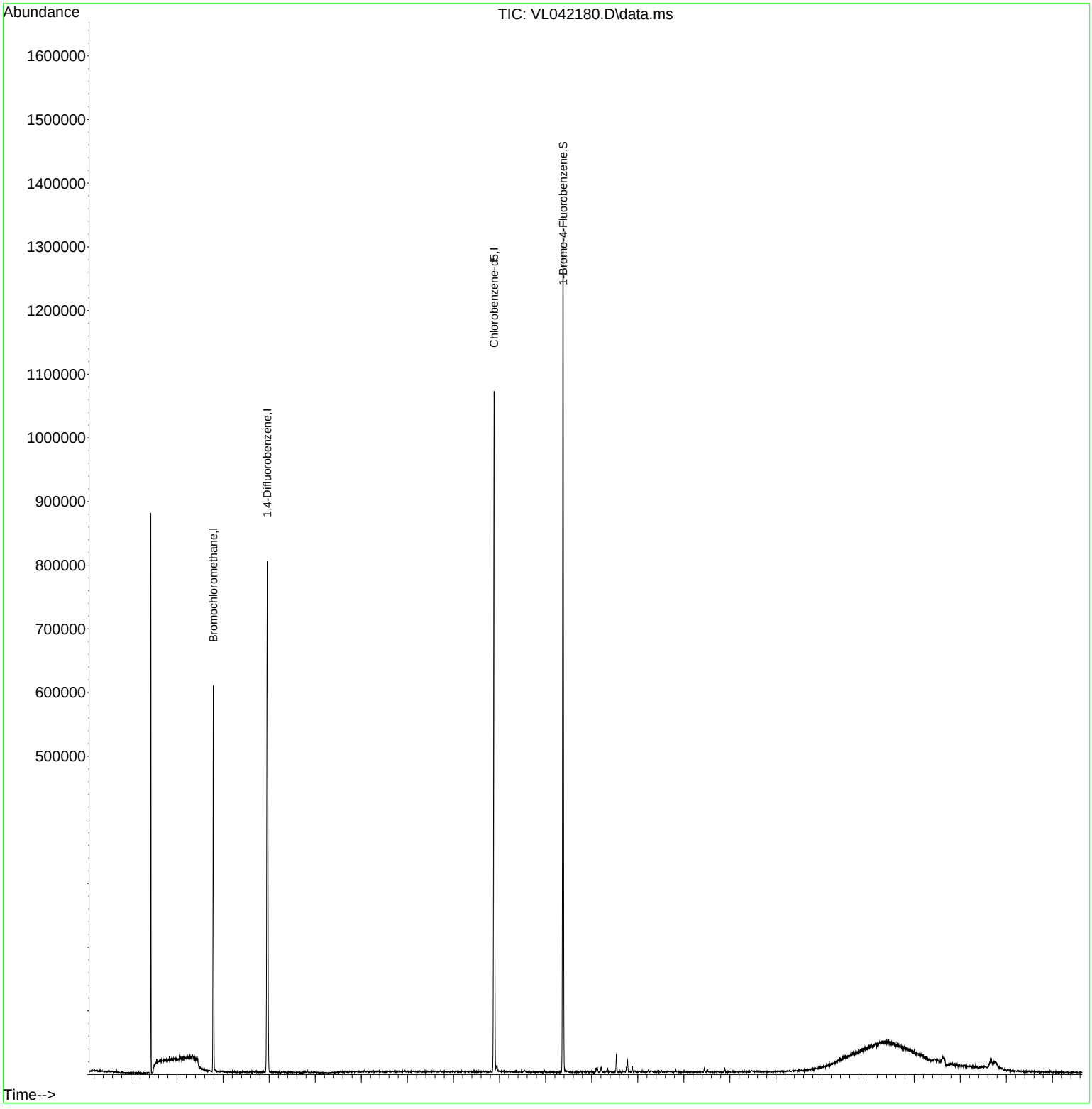
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	170921	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	483563	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	446480	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	364194	9.933	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042180.D
Acq On : 27 Mar 2025 13:50
Operator : SY/MD
Sample : VL0327ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABL01

Quant Time: Mar 28 02:12:10 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



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042181.D
Acq On : 27 Mar 2025 14:39
Operator : SY/MD
Sample : VL0327ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:12:34 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 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

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	166105	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	483209	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	452250	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	368941	9.934	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	243063	9.911	ppbv	100
3) Chlorodifluoromethane	1.476	51	241481	9.638	ppbv	99
4) Chloromethane	1.531	50	96241	9.602	ppbv	99
5) Vinyl Chloride	1.580	62	91865	8.649	ppbv	94
6) Bromomethane	1.667	94	40361	8.886	ppbv	92
7) Chloroethane	1.703	64	37307	9.273	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	208981	10.006	ppbv	94
9) Propene	1.482	41	102862	8.957	ppbv	99
10) Heptane	4.978	43	290621	9.514	ppbv	100
11) Trichlorofluoromethane	1.877	101	232086	9.725	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	178792	9.115	ppbv	99
13) Ethanol	1.719	45	5124	4.720	ppbv	93
14) Bromoethene	1.780	108	69775	9.286	ppbv	98
15) Acetone	1.835	43	195717	8.425	ppbv	96
16) 1,3-Butadiene	1.609	39	98877	8.716	ppbv	100
17) tert-Butyl alcohol	2.039	59	266424	9.208	ppbv	98
18) 1,1-Dichloroethene	2.033	96	83339	9.088	ppbv	95
19) Isopropyl Alcohol	1.884	45	120986	9.230	ppbv	97
20) Methylene Chloride	2.062	84	69930	8.083	ppbv	96
21) Allyl Chloride	2.094	41	147810	9.022	ppbv	99
22) trans-1,2-Dichloroethene	2.340	96	96616	9.116	ppbv	99
23) Vinyl Acetate	2.463	43	94696	9.418	ppbv	96
24) 1,1-Dichloroethane	2.408	63	189793	9.661	ppbv	99
25) Ethyl Acetate	2.835	43	574442	9.528	ppbv	99
26) Hexane	2.826	57	224704	9.649	ppbv	98
27) Carbon Disulfide	2.149	76	230410	9.226	ppbv #	94
28) Methyl tert-Butyl Ether	2.441	73	149961	10.342	ppbv	95
29) Chloroform	2.848	83	336404	9.870	ppbv	96
30) Cyclohexane	3.855	84	194220	9.604	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	231151	9.777	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	359860	9.223	ppbv	99
34) 2-Butanone	2.557	43	320843	9.157	ppbv	100
35) Carbon Tetrachloride	3.761	117	361037	9.565	ppbv	99
36) Benzene	3.658	78	452718	9.450	ppbv	98
37) 1,2-Dichloroethane	3.217	62	277247	10.109	ppbv	98
38) Trichloroethene	4.548	130	187209	9.366	ppbv	98
39) 1,2-Dichloropropane	4.315	63	164374	9.422	ppbv	95
40) 1,4-Dioxane	4.583	88	82012	8.857	ppbv #	92
41) Tetrahydrofuran	3.052	42	188907	9.362	ppbv	99
42) Bromodichloromethane	4.489	83	377092	9.974	ppbv	98
43) Methyl Methacrylate	4.881	69	190156	9.377	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	769803	9.509	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	204004	9.376	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042181.D
Acq On : 27 Mar 2025 14:39
Operator : SY/MD
Sample : VL0327ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:12:34 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 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

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	5.599	75	251694	9.437	ppbv	97
47)	1,1,2-Trichloroethane	6.583	97	175509	9.517	ppbv	99
48)	Dibromochloromethane	7.386	129	310158	9.923	ppbv	99
49)	Bromoform	9.483	173	279382	9.957	ppbv	99
50)	4-Methyl-2-Pentanone	5.748	43	481919	8.679	ppbv	98
51)	2-Hexanone	7.435	43	395520	8.674	ppbv	99
52)	Tetrachloroethene	8.224	164	167015	8.791	ppbv	95
53)	Toluene	6.930	91	540612	9.520	ppbv	99
54)	1,2-Dibromoethane	7.655	107	246519	9.589	ppbv	99
56)	1,1,1,2-Tetrachloroethane	8.924	131	240905	9.677	ppbv	96
57)	Chlorobenzene	8.920	112	407816	9.507	ppbv	98
58)	Ethyl Benzene	9.354	91	769818	9.583	ppbv	97
59)	m/p-Xylene	9.551	91	1220553m	19.028	ppbv	
60)	o-Xylene	9.962	91	612011	9.518	ppbv	98
61)	Styrene	9.869	104	306658	9.639	ppbv	99
62)	Isopropylbenzene	10.539	105	923163	9.600	ppbv	100
63)	1,1,2,2-Tetrachloroethane	9.962	83	370486	9.483	ppbv	99
64)	n-propylbenzene	10.989	120	239652	9.682	ppbv	98
65)	tert-Butylbenzene	11.532	119	828438	9.315	ppbv	98
66)	Benzyl Chloride	11.616	91	81404	8.627	ppbv	98
67)	sec-Butylbenzene	11.769	105	1155378	9.347	ppbv	99
69)	p-Isopropyltoluene	11.927	119	1011573	9.503	ppbv	99
70)	n-Butylbenzene	12.283	91	1022935	9.397	ppbv	99
71)	2-Chlorotoluene	10.901	91	713648	9.562	ppbv	98
72)	4-Ethyltoluene	11.128	105	766720	9.576	ppbv	100
73)	1,3,5-Trimethylbenzene	11.205	105	660905	9.451	ppbv	99
74)	1,2,4-Trimethylbenzene	11.539	105	718683	8.921	ppbv	97
75)	1,3-Dichlorobenzene	11.610	146	415378	9.401	ppbv	100
76)	1,4-Dichlorobenzene	11.671	146	418670	9.521	ppbv	99
77)	1,2-Dichlorobenzene	11.947	146	401634	9.336	ppbv	99
78)	Hexachloro-1,3-Butadiene	13.882	225	346566	7.914	ppbv	100
79)	Naphthalene	13.513	128	762976	8.659	ppbv	99
80)	Naphthalene,2-methyl-	14.458	142	308264	7.134	ppbv	98
81)	1,2,4-Trichlorobenzene	13.442	180	356193	8.764	ppbv	99

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

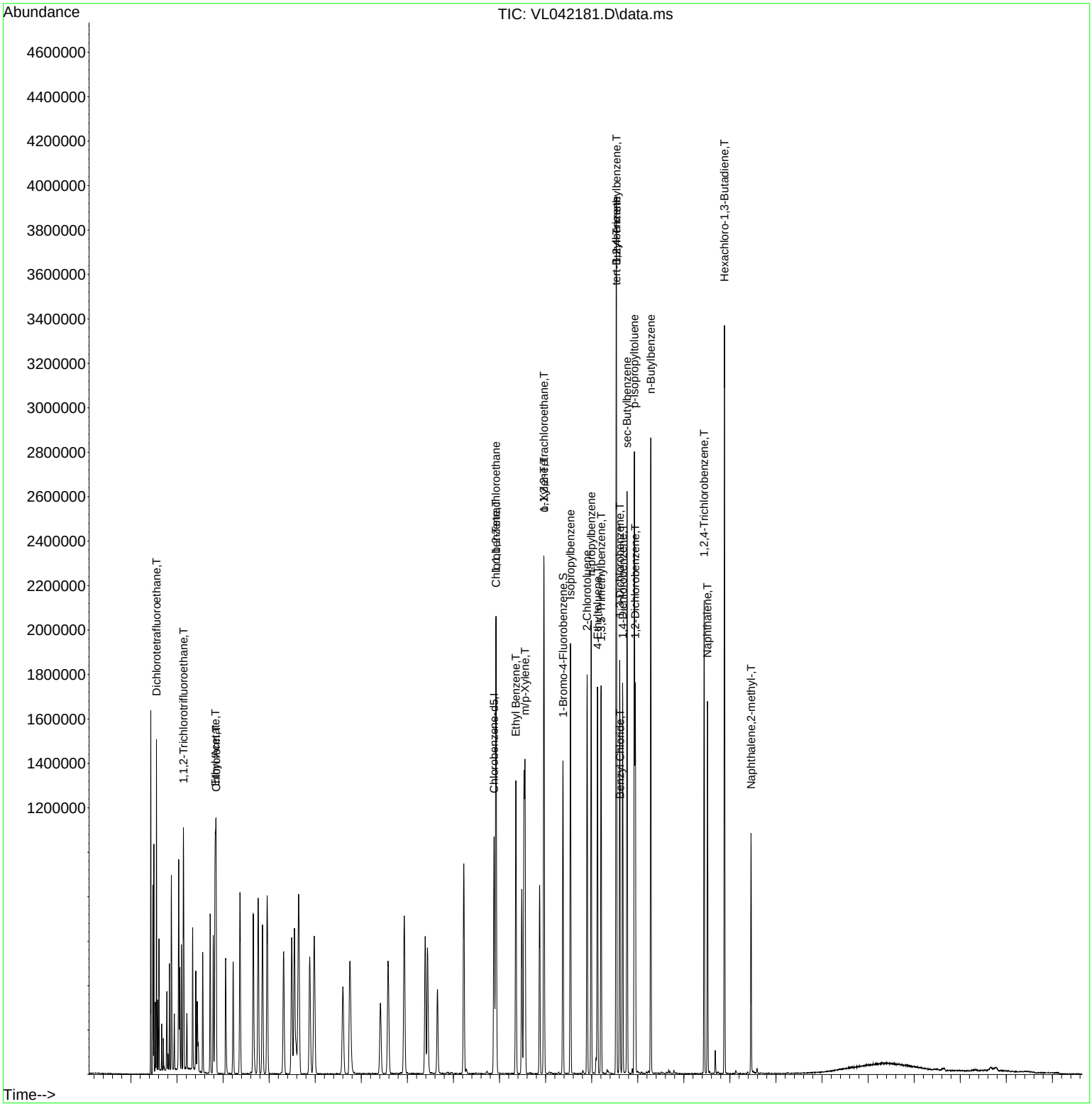
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042181.D
Acq On : 27 Mar 2025 14:39
Operator : SY/MD
Sample : VL0327ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 28 02:12:34 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 02:00:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0327ABS01

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 : VL042182.D
Acq On : 27 Mar 2025 16:41
Operator : SY/MD
Sample : QC032625 CAN 10448
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC032625 CAN 10448

Quant Time: Mar 28 02:13:30 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

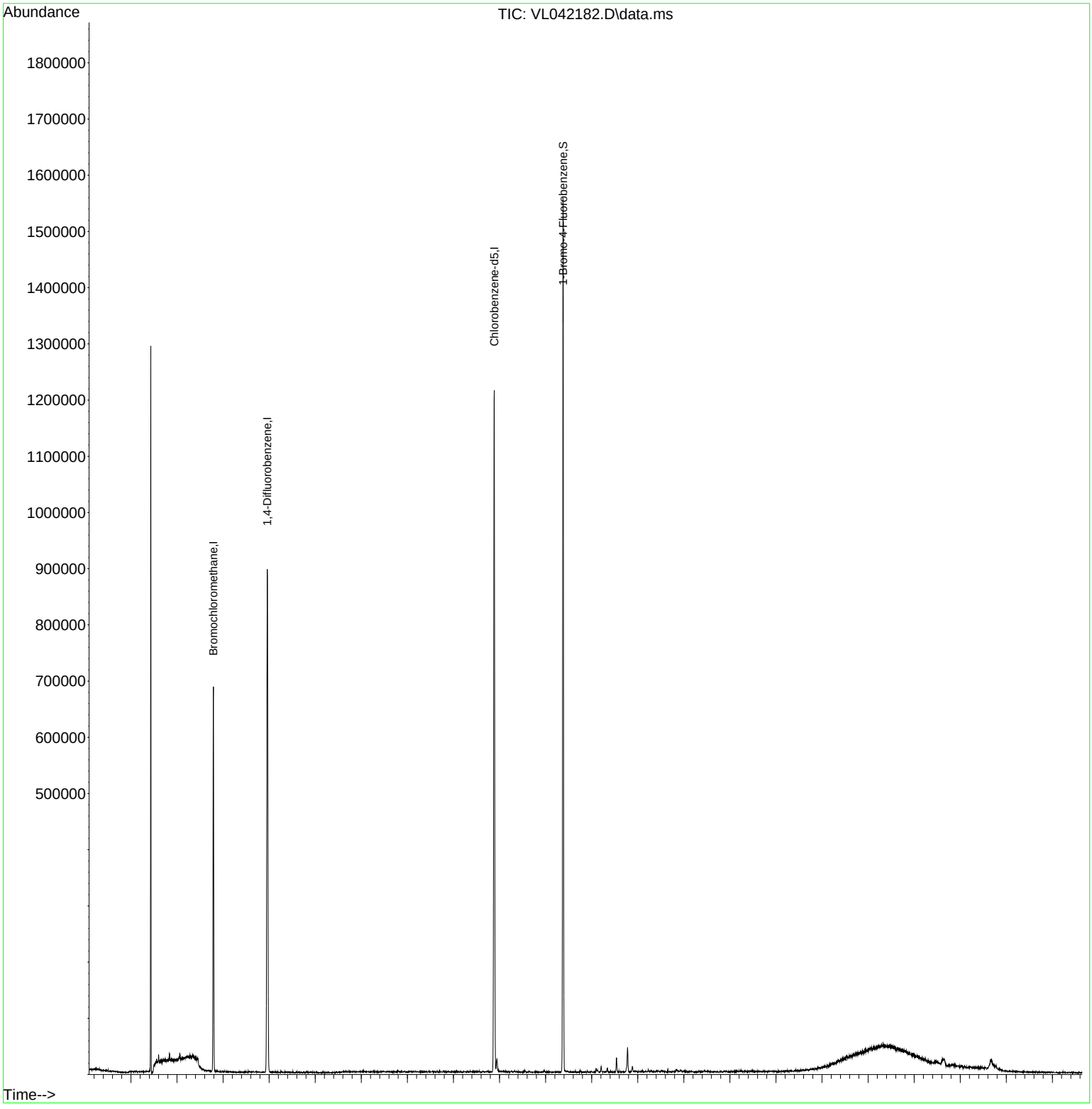
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	189309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	546112	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	504808	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	407475	9.829	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.300%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042182.D
Acq On : 27 Mar 2025 16:41
Operator : SY/MD
Sample : QC032625 CAN 10448
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC032625 CAN 10448

Quant Time: Mar 28 02:13:30 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 # VL011425

Review By	Mahesh Dadoda	Review On	1/15/2025 12:59:33 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/15/2025 1:00:29 PM		
SubDirectory	VL011425	HP Acquire Method	TO15AIR.M	HP Processing Method	VL011425AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2569
Initial Calibration Stds	AP2571,AP2572,AP2573
CCC	AP2571
Internal Standard/PEM	AP2569
ICV/I.BLK	AP2574,MDL,AP2572,AP2573
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041887.D	14 Jan 2025 07:50	SY/MD	Ok
2	VSTDICC0.5	VL041888.D	14 Jan 2025 11:40	SY/MD	Not Ok
3	VSTDICCC010	VL041889.D	14 Jan 2025 12:55	SY/MD	Ok,M
4	VSTDICC002	VL041890.D	14 Jan 2025 13:28	SY/MD	Ok,M
5	VSTDICC001	VL041891.D	14 Jan 2025 13:59	SY/MD	Ok,M
6	VSTDICC0.5	VL041892.D	14 Jan 2025 14:30	SY/MD	Ok,M
7	VSTDICC0.1	VL041893.D	14 Jan 2025 15:01	SY/MD	Ok,M
8	VSTDICC0.03	VL041894.D	14 Jan 2025 15:32	SY/MD	Ok,M
9	VSTDICC015	VL041895.D	14 Jan 2025 16:05	SY/MD	Ok,M
10	VSTDICV010	VL041896.D	14 Jan 2025 17:33	SY/MD	Ok,M
11	VL0114ABL01	VL041897.D	14 Jan 2025 18:34	SY/MD	Ok
12	VL0114ABL02	VL041898.D	14 Jan 2025 19:05	SY/MD	Ok
13	VL0114ABS01	VL041899.D	14 Jan 2025 19:36	SY/MD	Ok,M
14	VIBLK	VL041900.D	14 Jan 2025 20:07	SY/MD	Ok
15	Q1073-04	VL041901.D	14 Jan 2025 20:40	SY/MD	Ok,M
16	Q1073-04DUP	VL041902.D	14 Jan 2025 21:14	SY/MD	Ok,M
17	Q1073-05	VL041903.D	14 Jan 2025 21:47	SY/MD	Ok,M
18	Q1073-06	VL041904.D	14 Jan 2025 22:21	SY/MD	Ok,M
19	Q1073-01	VL041905.D	14 Jan 2025 22:51	SY/MD	Ok,M
20	Q1073-02	VL041906.D	14 Jan 2025 23:22	SY/MD	Ok,M
21	Q1073-03	VL041907.D	14 Jan 2025 23:52	SY/MD	Ok,M

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 # VL011425

Review By	Mahesh Dadoda	Review On	1/15/2025 12:59:33 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/15/2025 1:00:29 PM		
SubDirectory	VL011425	HP Acquire Method	TO15AIR.M	HP Processing Method	VL011425AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2569
Initial Calibration Stds	AP2571,AP2572,AP2573
CCC	AP2571
Internal Standard/PEM	AP2569
ICV/I.BLK	AP2574,MDL,AP2572,AP2573
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VIBLK	VL041908.D	15 Jan 2025 00:22	SY/MD	Ok
23	MDL 0.4	VL041909.D	15 Jan 2025 00:52	SY/MD	Ok,M
24	MDL 0.4	VL041910.D	15 Jan 2025 01:23	SY/MD	Ok,M
25	MDL 0.1	VL041911.D	15 Jan 2025 01:53	SY/MD	Ok,M
26	MDL 0.1	VL041912.D	15 Jan 2025 02:23	SY/MD	Ok,M
27	MDL 0.03	VL041913.D	15 Jan 2025 02:53	SY/MD	Ok,M
28	MDL 0.03	VL041914.D	15 Jan 2025 03:23	SY/MD	Ok,M
29	VSTDCCC010	VL041915.D	15 Jan 2025 08:37	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL020325

Review By	Semsettin Yesilyurt	Review On	2/4/2025 9:24:56 AM				
Supervise By	Mahesh Dadoda	Supervise On	2/4/2025 3:44:53 PM				
SubDirectory	VL020325	HP Acquire Method	TO15AIR.M	HP Processing Method	VL011425AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2569
Initial Calibration Stds	AP2571,AP2572,AP2573
CCC	AP2571
Internal Standard/PEM	AP2569
ICV/I.BLK	AP2574
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041957.D	03 Feb 2025 09:47	SY/MD	Ok
2	VSTDCCC010	VL041958.D	03 Feb 2025 10:48	SY/MD	Ok,M
3	VL0203ABL01	VL041959.D	03 Feb 2025 11:34	SY/MD	Ok
4	VL0203ABL02	VL041960.D	03 Feb 2025 12:05	SY/MD	Ok
5	VL0203ABS01	VL041961.D	03 Feb 2025 12:57	SY/MD	Ok,M
6	Q1222-01	VL041962.D	03 Feb 2025 13:57	SY/MD	Ok,M
7	Q1222-01DL	VL041963.D	03 Feb 2025 14:28	SY/MD	Not Ok
8	Q1256-01	VL041964.D	03 Feb 2025 14:59	SY/MD	Ok,M
9	Q1256-01DL	VL041965.D	03 Feb 2025 15:30	SY/MD	Not Ok
10	QC012825 CAN 10439	VL041966.D	03 Feb 2025 16:02	SY/MD	Ok
11	Q1222-02	VL041967.D	03 Feb 2025 16:35	SY/MD	Ok,M
12	Q1222-02DUP	VL041968.D	03 Feb 2025 17:08	SY/MD	Ok,M
13	Q1222-03	VL041969.D	03 Feb 2025 17:41	SY/MD	Ok,M
14	Q1256-02	VL041970.D	03 Feb 2025 18:15	SY/MD	Ok,M
15	Q1168-14 0.03	VL041971.D	03 Feb 2025 21:01	SY/MD	Not Ok
16	Q1168-13 0.03	VL041972.D	03 Feb 2025 21:32	SY/MD	Ok,M
17	Q1168-14 0.03	VL041973.D	03 Feb 2025 22:13	SY/MD	Ok,M
18	QC020325 CAN 10599	VL041974.D	04 Feb 2025 08:03	SY/MD	Ok
19	VSTDCCC010	VL041975.D	04 Feb 2025 08:34	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL022525

Review By	Semsettin Yesilyurt	Review On	2/26/2025 8:27:25 AM				
Supervise By	Mahesh Dadoda	Supervise On	2/26/2025 1:45:21 PM				
SubDirectory	VL022525	HP Acquire Method	TO15AIR.M	HP Processing Method	VL022525AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2576
Initial Calibration Stds	AP2582,AP2584,AP2585
CCC	AP2582
Internal Standard/PEM	AP2576
ICV/I.BLK	AP2586
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042040.D	25 Feb 2025 07:56	SY/MD	Ok
2	VSTDICCC010	VL042041.D	25 Feb 2025 08:56	SY/MD	Ok,M
3	VSTDICC002	VL042042.D	25 Feb 2025 09:29	SY/MD	Ok,M
4	VSTDICC001	VL042043.D	25 Feb 2025 10:00	SY/MD	Ok,M
5	VSTDICC0.5	VL042044.D	25 Feb 2025 10:31	SY/MD	Ok,M
6	VSTDICC0.1	VL042045.D	25 Feb 2025 11:03	SY/MD	Ok,M
7	VSTDICC0.03	VL042046.D	25 Feb 2025 11:34	SY/MD	Ok,M
8	VSTDICC015	VL042047.D	25 Feb 2025 12:07	SY/MD	Ok,M
9	VSTDICV010	VL042048.D	25 Feb 2025 13:15	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL031425

Review By	Semsettin Yesilyurt	Review On	3/17/2025 8:36:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/17/2025 1:46:41 PM		
SubDirectory	VL031425	HP Acquire Method	TO15AIR.M	HP Processing Method	VL022525AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2588
Initial Calibration Stds	AP2582,AP2584,AP2585
CCC	AP2582
Internal Standard/PEM	AP2588
ICV/I.BLK	AP2586
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042140.D	14 Mar 2025 07:56	SY/MD	Ok
2	VSTDCCC010	VL042141.D	14 Mar 2025 08:39	SY/MD	Ok,M
3	VL0314ABL01	VL042142.D	14 Mar 2025 09:23	SY/MD	Ok
4	QC031025 CAN 10267	VL042143.D	14 Mar 2025 10:09	SY/MD	Ok
5	QC031225 CAN 10300	VL042144.D	14 Mar 2025 10:40	SY/MD	Not Ok
6	QC031325 CAN 10266	VL042145.D	14 Mar 2025 11:11	SY/MD	Ok
7	VL0314ABS01	VL042146.D	14 Mar 2025 12:27	SY/MD	Ok,M
8	QC031225 CAN 10300	VL042147.D	14 Mar 2025 15:56	SY/MD	Ok
9	QC031225 CAN 10300	VL042148.D	14 Mar 2025 16:29	SY/MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042171.D	27 Mar 2025 07:44	SY/MD	Ok
2	VSTDICCC010	VL042172.D	27 Mar 2025 08:26	SY/MD	Ok,M
3	VSTDICC002	VL042173.D	27 Mar 2025 08:59	SY/MD	Ok,M
4	VSTDICC001	VL042174.D	27 Mar 2025 09:30	SY/MD	Ok,M
5	VSTDICC0.5	VL042175.D	27 Mar 2025 10:01	SY/MD	Ok,M
6	VSTDICC0.1	VL042176.D	27 Mar 2025 10:32	SY/MD	Ok,M
7	VSTDICC0.03	VL042177.D	27 Mar 2025 11:03	SY/MD	Ok,M
8	VSTDICC015	VL042178.D	27 Mar 2025 11:36	SY/MD	Ok,M
9	VSTDICV010	VL042179.D	27 Mar 2025 12:23	SY/MD	Ok,M
10	VL0327ABL01	VL042180.D	27 Mar 2025 13:50	SY/MD	Ok
11	VL0327ABS01	VL042181.D	27 Mar 2025 14:39	SY/MD	Ok,M
12	QC032625 CAN 10448	VL042182.D	27 Mar 2025 16:41	SY/MD	Ok
13	Q1649-01	VL042183.D	27 Mar 2025 17:13	SY/MD	Not Ok
14	Q1649-02	VL042184.D	27 Mar 2025 17:45	SY/MD	Not Ok
15	Q1669-01	VL042185.D	27 Mar 2025 18:22	SY/MD	Dilution
16	Q1669-02	VL042186.D	27 Mar 2025 18:59	SY/MD	Ok,M
17	Q1669-03	VL042187.D	27 Mar 2025 19:36	SY/MD	Ok,M
18	Q1669-04	VL042188.D	27 Mar 2025 20:12	SY/MD	Ok,M
19	Q1669-09	VL042189.D	27 Mar 2025 20:48	SY/MD	Ok,M
20	Q1669-09DUP	VL042190.D	27 Mar 2025 21:24	SY/MD	Ok,M
21	Q1669-05	VL042191.D	27 Mar 2025 21:57	SY/MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1669-07DL	VL042192.D	27 Mar 2025 22:29	SY/MD	Ok,M
23	Q1669-08	VL042193.D	27 Mar 2025 23:01	SY/MD	Not Ok
24	VIBLK	VL042194.D	27 Mar 2025 23:34	SY/MD	Ok
25	Q1669-01DL	VL042195.D	28 Mar 2025 00:06	SY/MD	Ok,M
26	Q1669-01DUP	VL042196.D	28 Mar 2025 00:44	SY/MD	Ok,M
27	Q1669-05	VL042197.D	28 Mar 2025 01:20	SY/MD	Ok,M
28	Q1669-07	VL042198.D	28 Mar 2025 01:57	SY/MD	Dilution
29	Q1669-08	VL042199.D	28 Mar 2025 02:33	SY/MD	Ok,M

M : Manual Integration

Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	187002	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	545068	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	519536	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	422410	9.901	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	262496	9.507	ppbv	100
3) Chlorodifluoromethane	1.473	51	272522	9.662	ppbv	100
4) Chloromethane	1.531	50	107099	9.491	ppbv	100
5) Vinyl Chloride	1.577	62	102699	8.925	ppbv	100
6) Bromomethane	1.664	94	47950	9.377	ppbv	100
7) Chloroethane	1.703	64	42516	9.387	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	227041	9.656	ppbv	100
9) Propene	1.483	41	123386	9.709	ppbv	100
10) Heptane	4.972	43	335086	9.744	ppbv	100
11) Trichlorofluoromethane	1.874	101	250349	9.318	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	209365	9.481	ppbv	100
13) Ethanol	1.719	45	5338	5.364	ppbv	100
14) Bromoethene	1.777	108	77999	9.220	ppbv	100
15) Acetone	1.832	43	208061	7.955	ppbv	100
16) 1,3-Butadiene	1.606	39	107104	9.105	ppbv	100
17) tert-Butyl alcohol	2.036	59	302616	9.290	ppbv	100
18) 1,1-Dichloroethene	2.030	96	94236	9.128	ppbv	100
19) Isopropyl Alcohol	1.884	45	131359	8.902	ppbv	100
20) Methylene Chloride	2.059	84	81828	8.401	ppbv	100
21) Allyl Chloride	2.091	41	168602	9.141	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	110371	9.149	ppbv	100
23) Vinyl Acetate	2.460	43	93080	8.563	ppbv	100
24) 1,1-Dichloroethane	2.405	63	209753	9.484	ppbv	100
25) Ethyl Acetate	2.833	43	646501	9.524	ppbv	100
26) Hexane	2.823	57	249331	9.510	ppbv	100
27) Carbon Disulfide	2.146	76	268507	9.550	ppbv	100
28) Methyl tert-Butyl Ether	2.438	73	155398	9.520	ppbv	100
29) Chloroform	2.845	83	361264	9.415	ppbv	100
30) Cyclohexane	3.852	84	217215	9.537	ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	256425	9.634	ppbv	100
32) 1,1,1-Trichloroethane	3.363	97	385628	8.784	ppbv	100
34) 2-Butanone	2.554	43	363735	9.203	ppbv	100
35) Carbon Tetrachloride	3.758	117	382925	9.129	ppbv	100
36) Benzene	3.651	78	508860	9.417	ppbv	100
37) 1,2-Dichloroethane	3.214	62	292937	9.469	ppbv	100
38) Trichloroethene	4.545	130	204027	9.045	ppbv	100
39) 1,2-Dichloropropane	4.312	63	183439	9.321	ppbv	100
40) 1,4-Dioxane	4.577	88	92327	9.042	ppbv #	100
41) Tetrahydrofuran	3.049	42	216851	9.643	ppbv	100
42) Bromodichloromethane	4.483	83	418887	9.822	ppbv	100
43) Methyl Methacrylate	4.872	69	219399	9.618	ppbv	100
44) 2,2,4-Trimethylpentane	4.635	57	876649	9.600	ppbv	100
45) t-1,3-Dichloropropene	6.406	75	239180	9.746	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042172.D
Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

	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	595445	8.071	ppbv	#	9
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

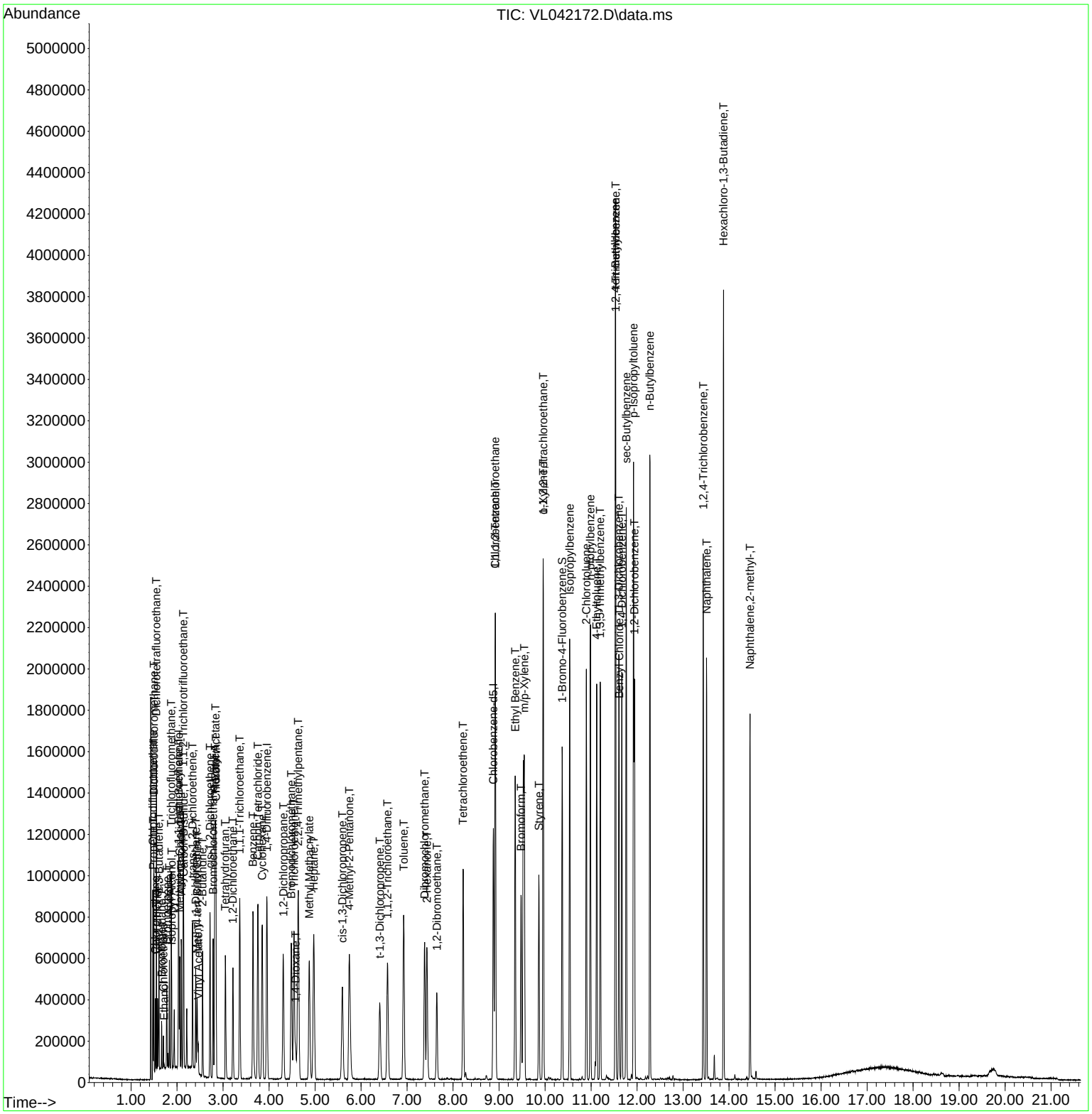
(#) = qualifier out of range (m) = manual integration (+) = signals summed

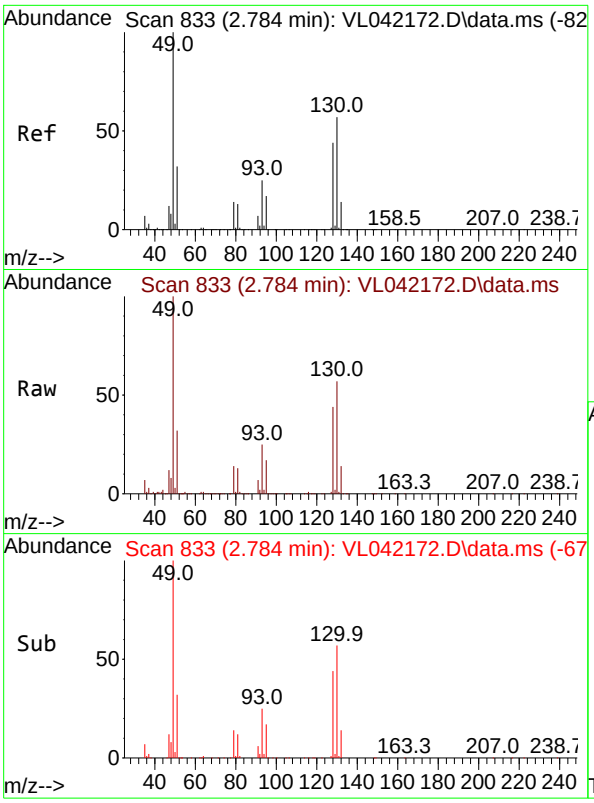
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration



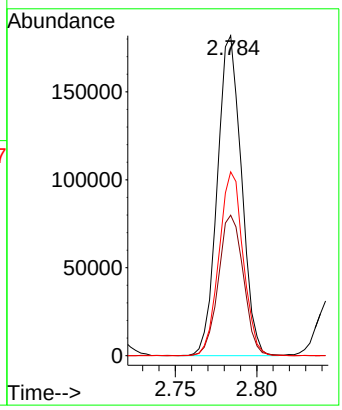


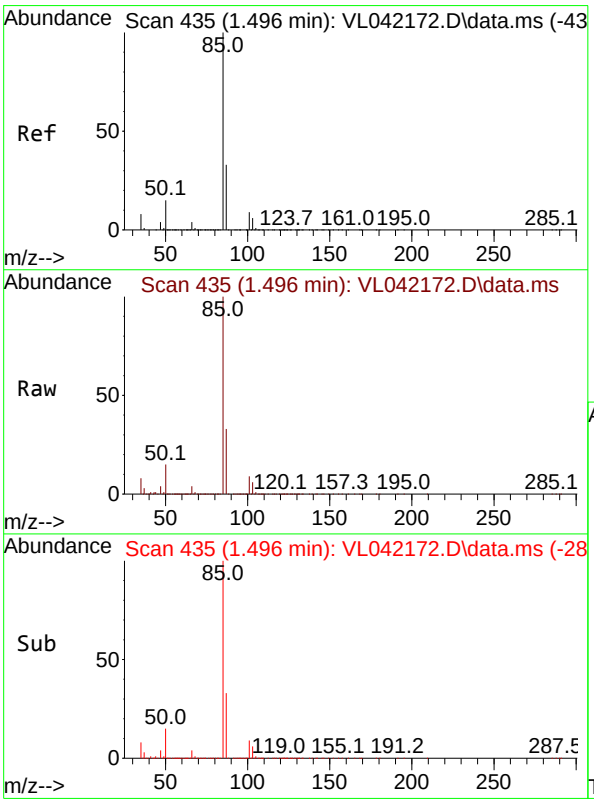
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 187002

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	57.6	28.8	86.4

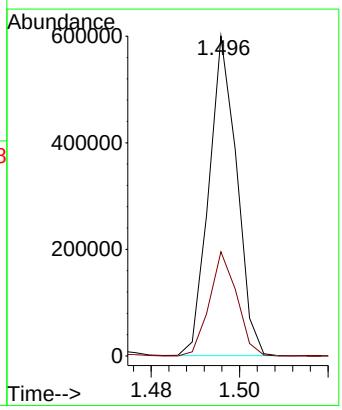


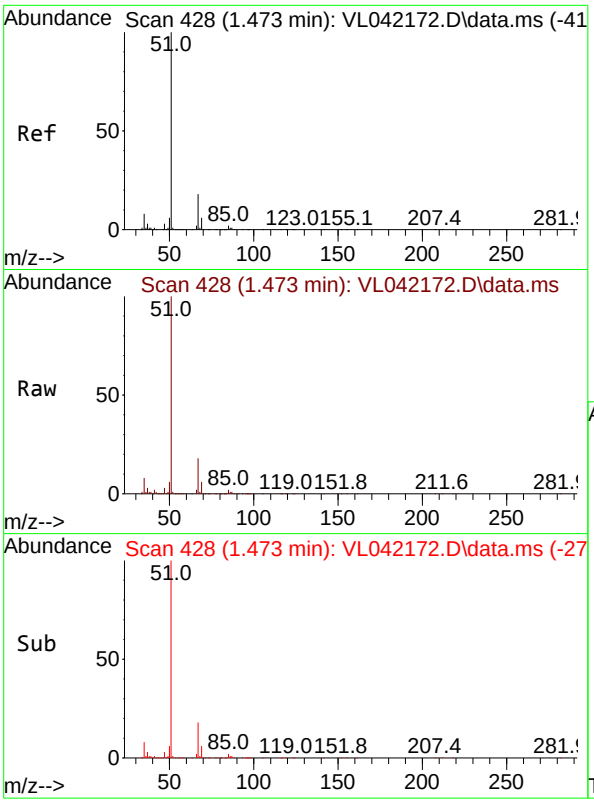


#2
Dichlorodifluoromethane
Concen: 9.507 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 85 Resp: 262496

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.1	39.1



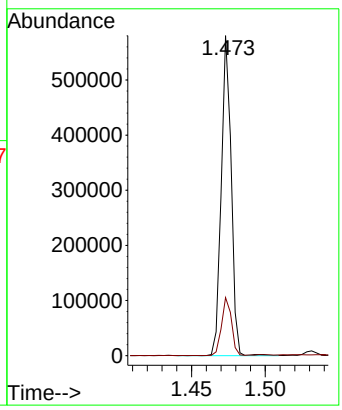


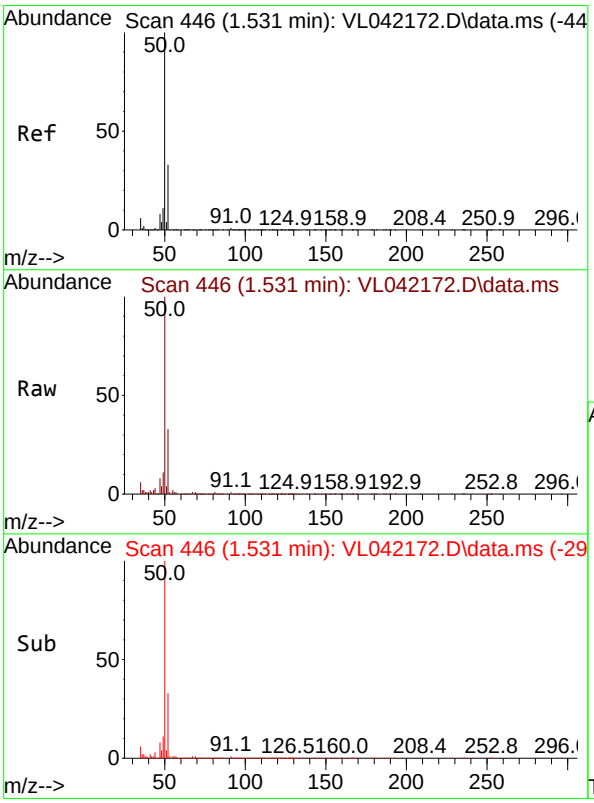
#3
Chlorodifluoromethane
Concen: 9.662 ppbv
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 272522

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6

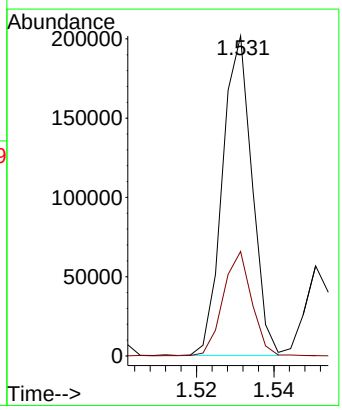


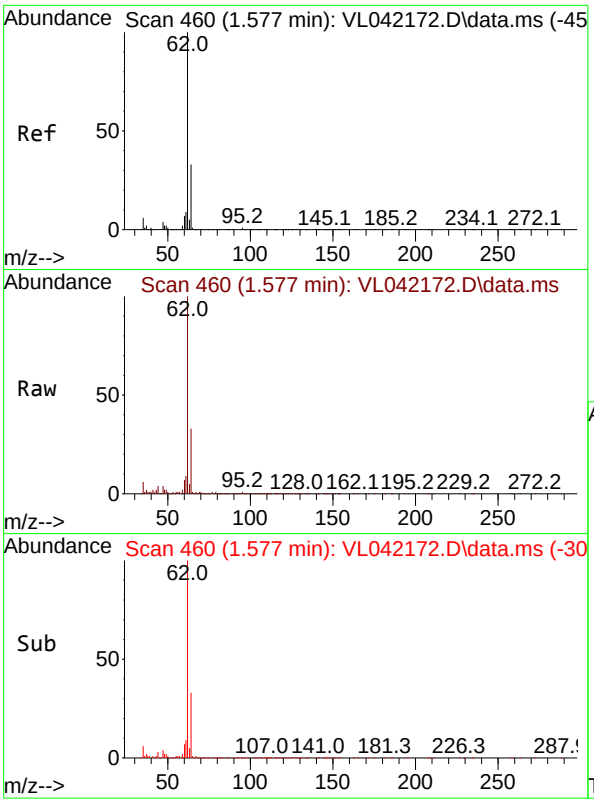


#4
Chloromethane
Concen: 9.491 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 50 Resp: 107099

Ion	Ratio	Lower	Upper
50	100		
52	32.6	26.1	39.1



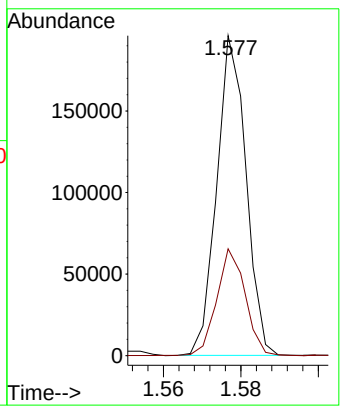


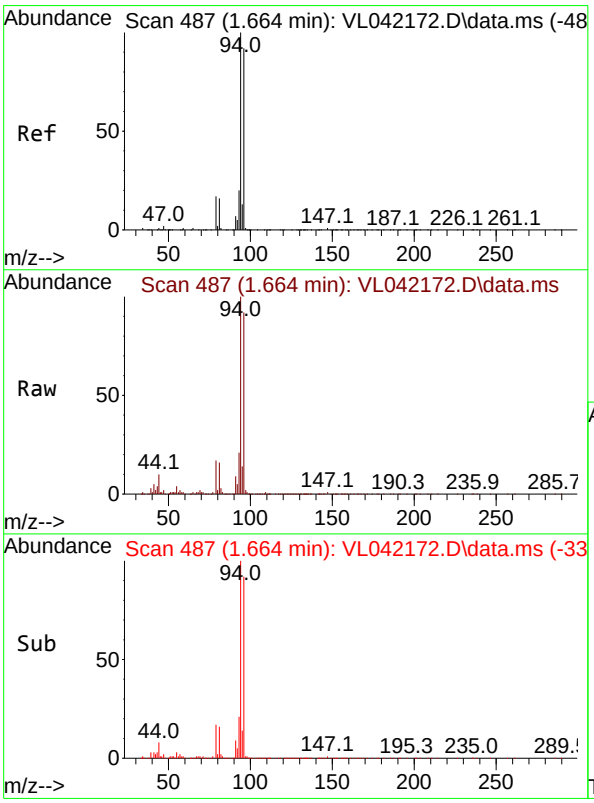
#5
Vinyl Chloride
Concen: 8.925 ppbv
RT: 1.577 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 102699

Ion	Ratio	Lower	Upper
62	100		
64	33.3	26.6	40.0

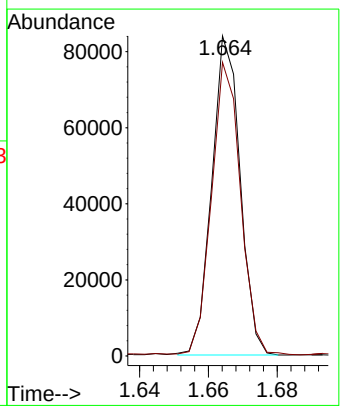


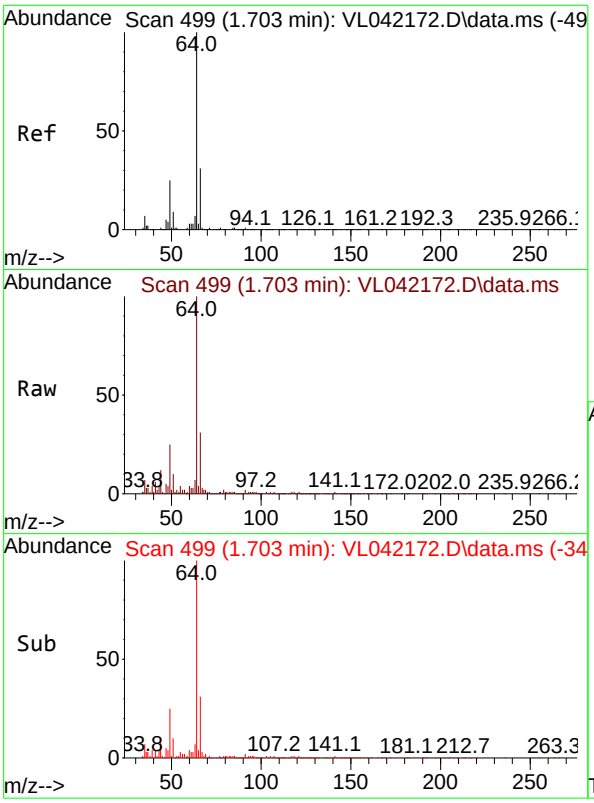


#6
Bromomethane
Concen: 9.377 ppbv
RT: 1.664 min Scan# 487
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 94 Resp: 47950

Ion	Ratio	Lower	Upper
94	100		
96	91.4	73.1	109.7



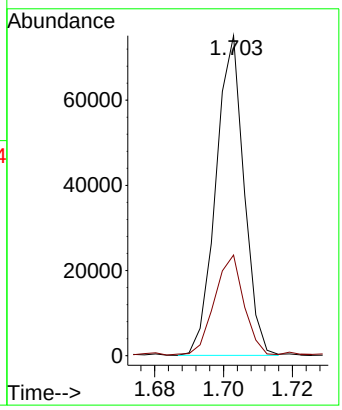


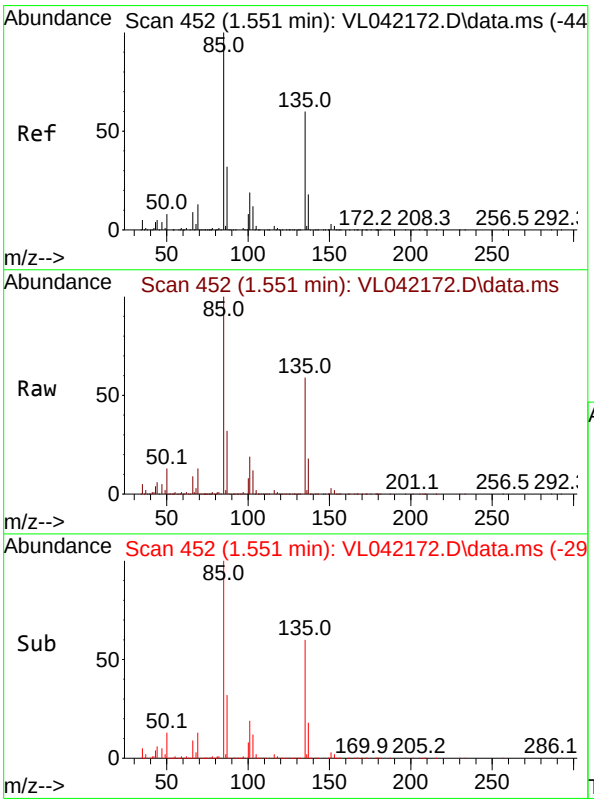
#7
Chloroethane
Concen: 9.387 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 42516

Ion	Ratio	Lower	Upper
64	100		
66	31.5	25.2	37.8

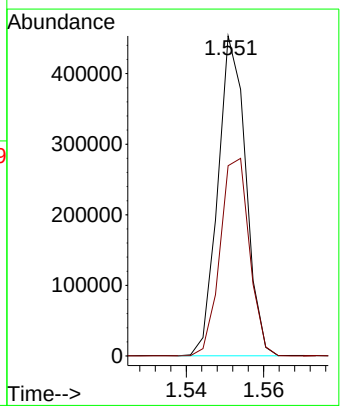


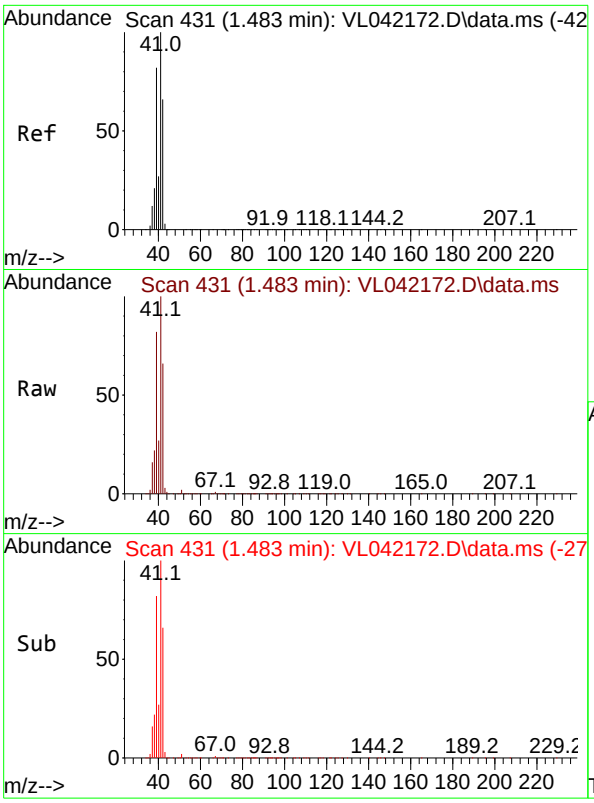


#8
Dichlorotetrafluoroethane
Concen: 9.656 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 85 Resp: 227041

Ion	Ratio	Lower	Upper
85	100		
135	65.5	52.4	78.6



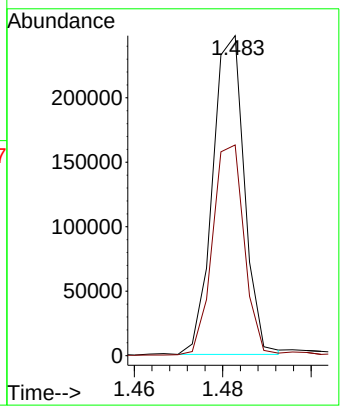


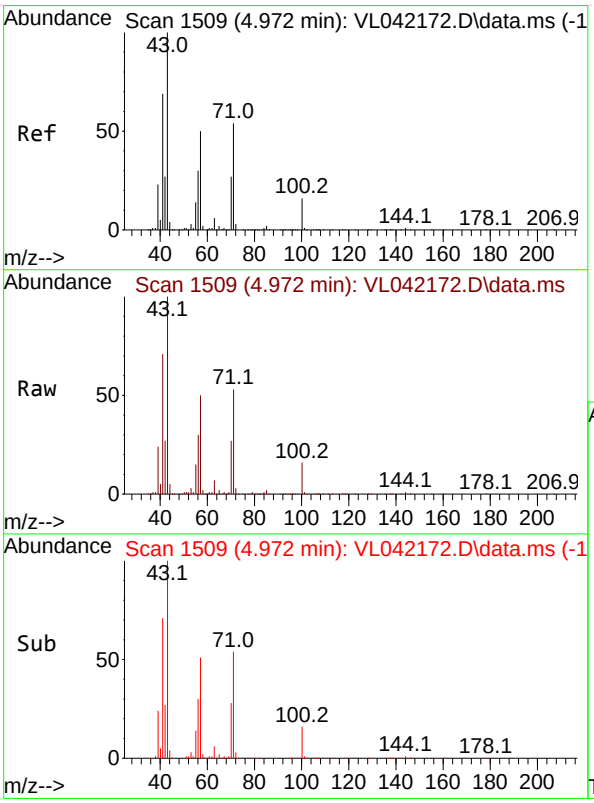
#9
Propene
Concen: 9.709 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 123386

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.4	83.2

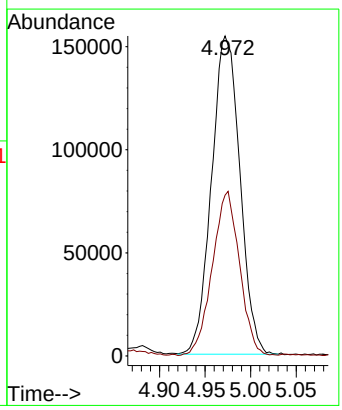


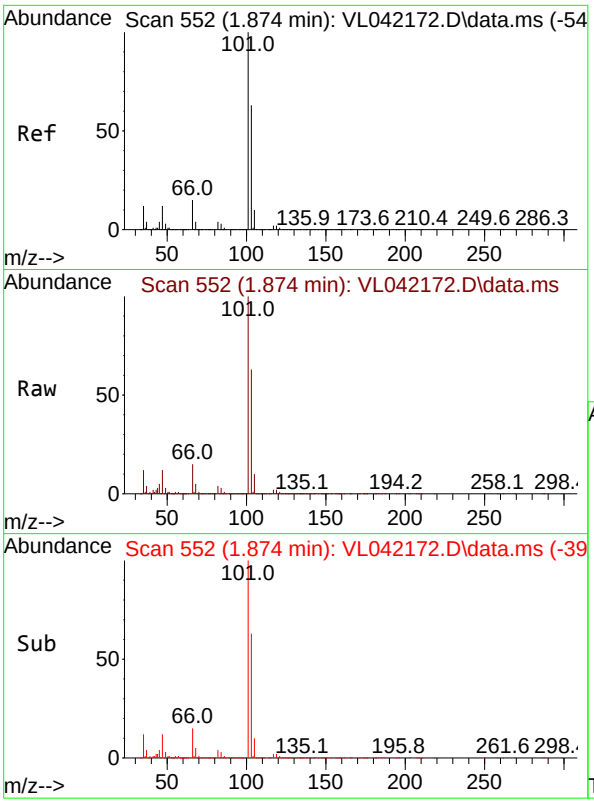


#10
Heptane
Concen: 9.744 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 335086

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.4	59.2



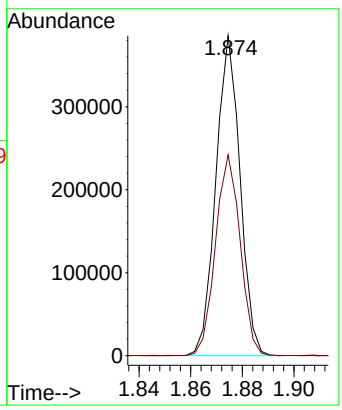


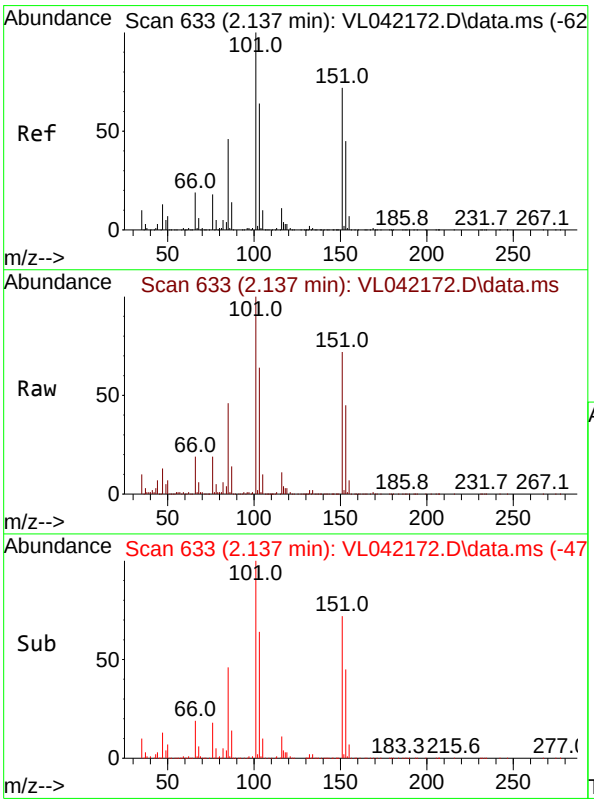
#11
Trichlorofluoromethane
Concen: 9.318 ppbv
RT: 1.874 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 250349

Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.2	75.2

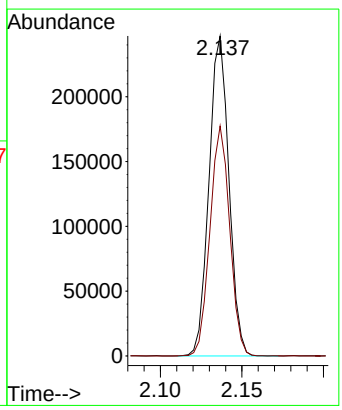


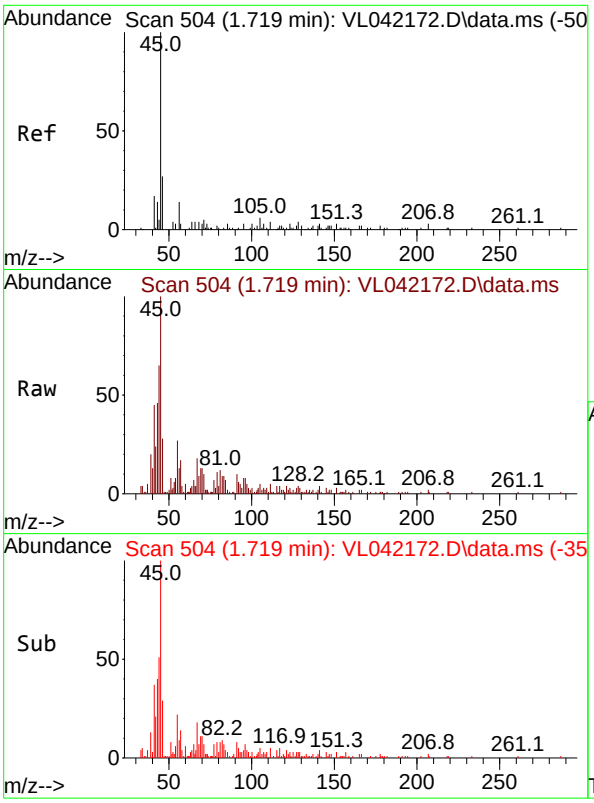


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.481 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:101 Resp: 209365

Ion	Ratio	Lower	Upper
101	100		
151	71.4	57.1	85.7



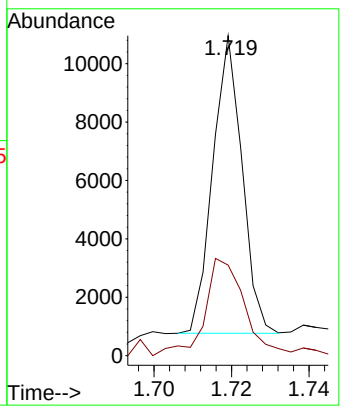


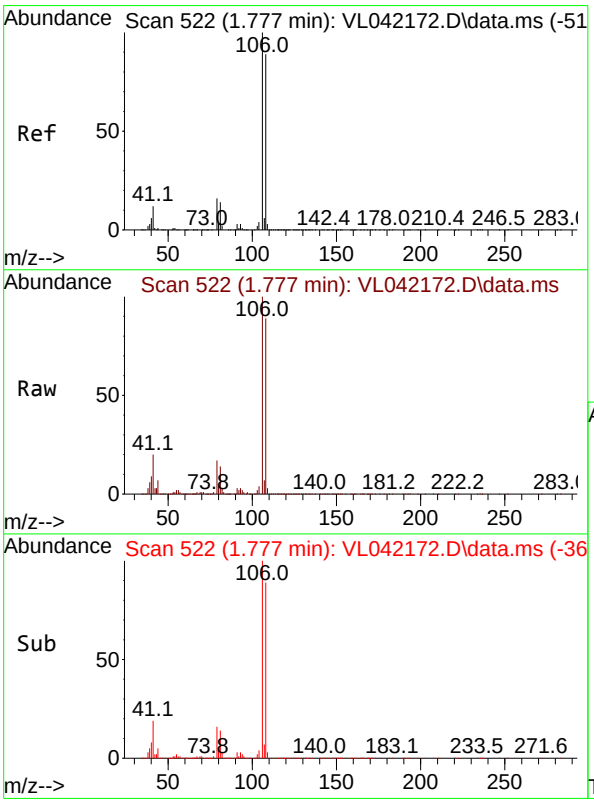
#13
Ethanol
Concen: 5.364 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 5338

Ion	Ratio	Lower	Upper
45	100		
46	50.5	20.2	80.8

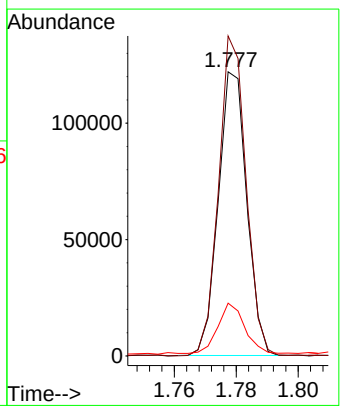


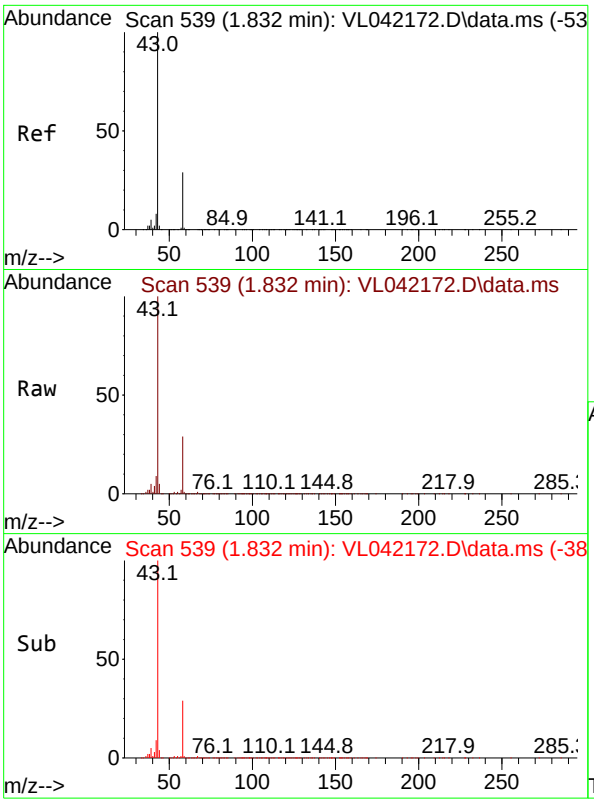


#14
Bromoethene
Concen: 9.220 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:108 Resp: 77999

Ion	Ratio	Lower	Upper
108	100		
106	108.5	86.8	130.2
79	18.8	15.0	22.6



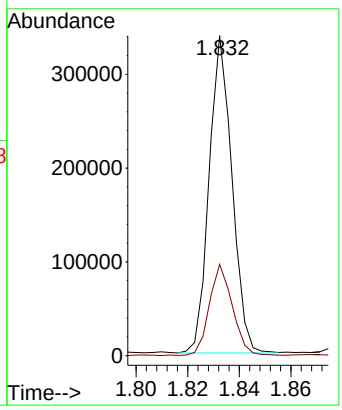


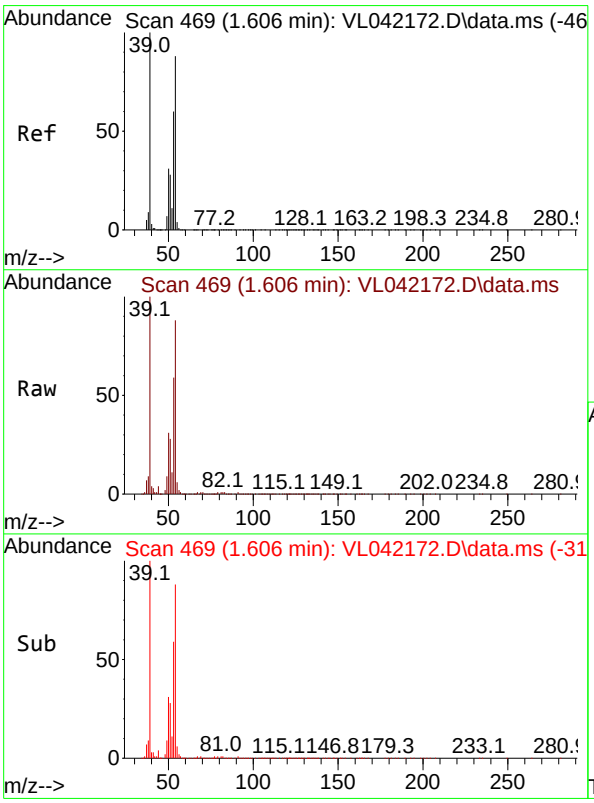
#15
Acetone
Concen: 7.955 ppbv
RT: 1.832 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 208061

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.2	34.8

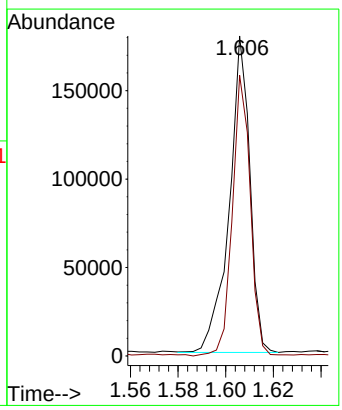


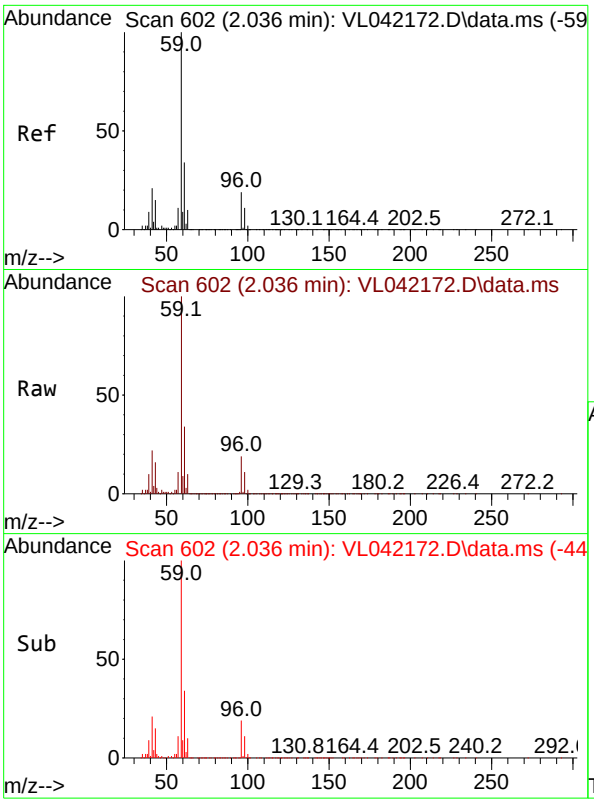


#16
1,3-Butadiene
Concen: 9.105 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 39 Resp: 107104

Ion	Ratio	Lower	Upper
39	100		
54	75.9	60.7	91.1



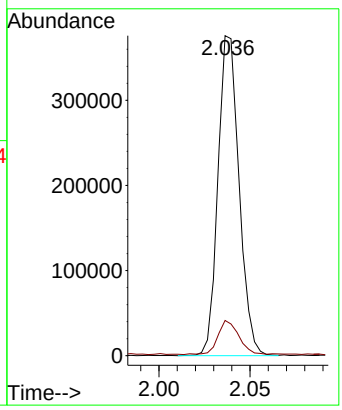


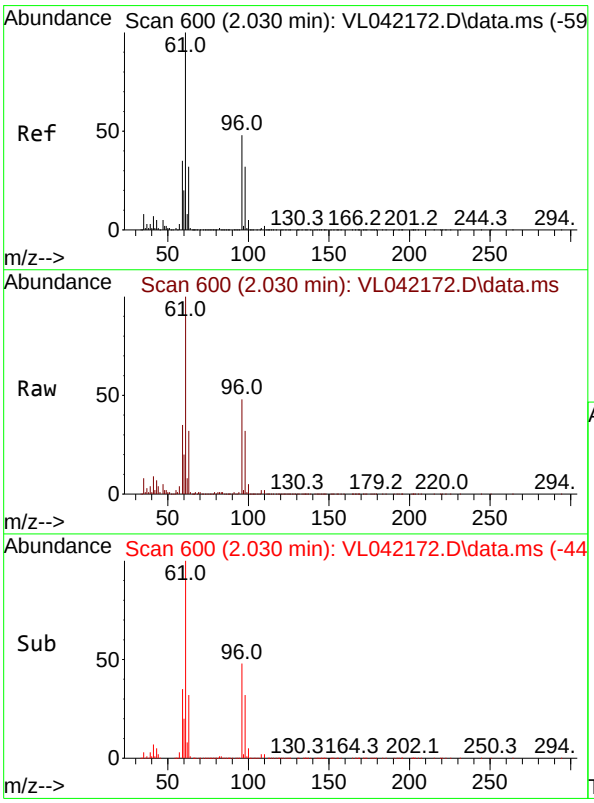
#17
tert-Butyl alcohol
Concen: 9.290 ppbv
RT: 2.036 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 302616

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

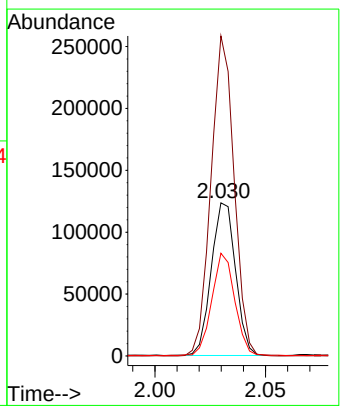


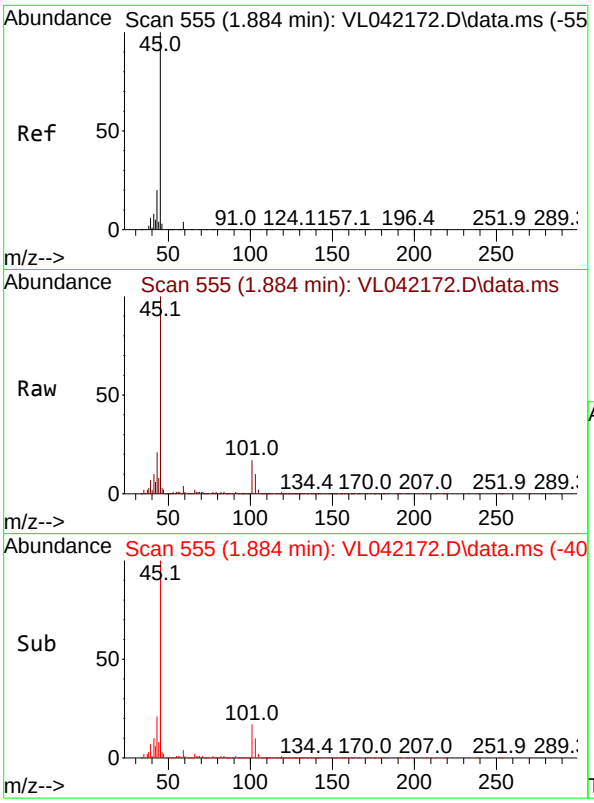


#18
1,1-Dichloroethene
Concen: 9.128 ppbv
RT: 2.030 min Scan# 600
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 96 Resp: 94236

Ion	Ratio	Lower	Upper
96	100		
61	209.5	167.6	251.4
98	66.9	53.5	80.3



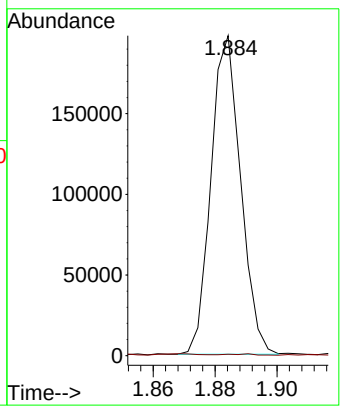


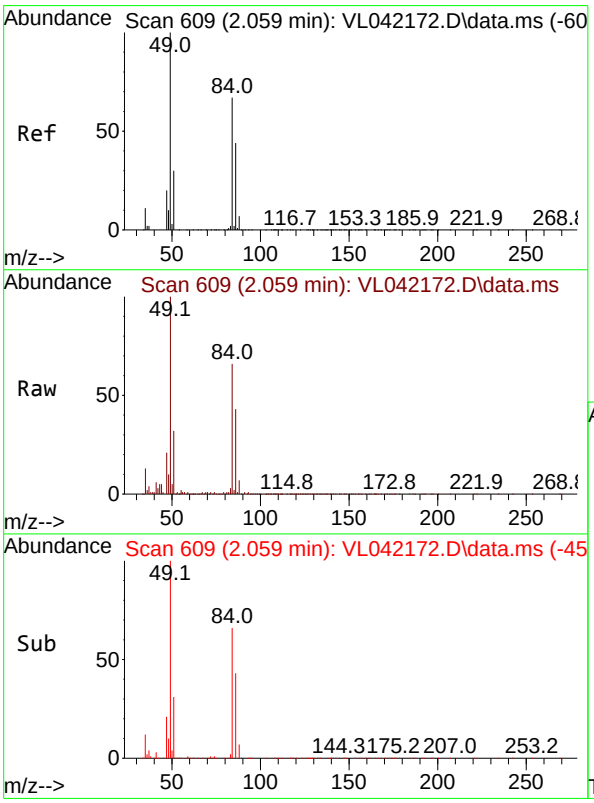
#19
Isopropyl Alcohol
Concen: 8.902 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 131359

Ion	Ratio	Lower	Upper
45	100		
58	46.1	36.9	55.3

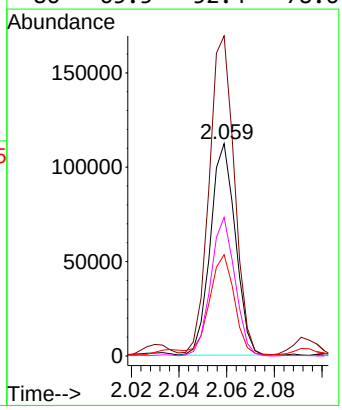


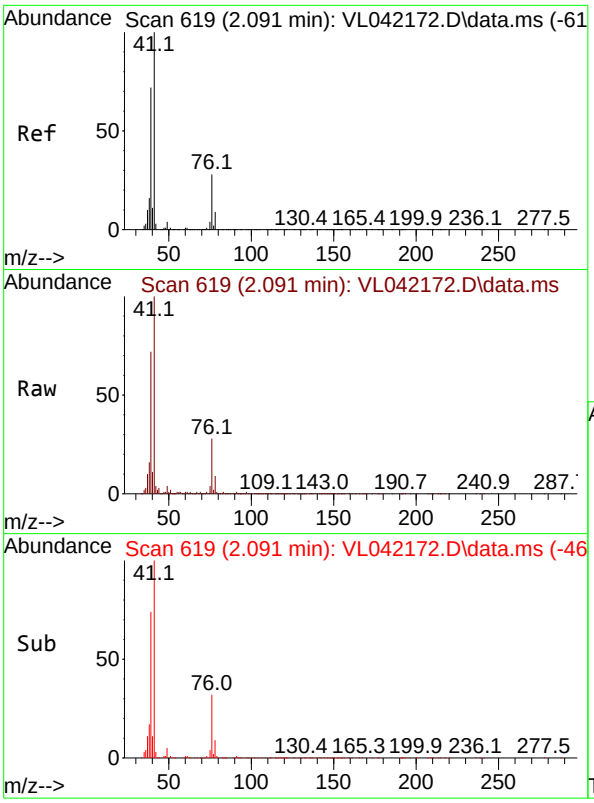


#20
Methylene Chloride
Concen: 8.401 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 84 Resp: 81828

Ion	Ratio	Lower	Upper
84	100		
49	150.3	120.2	180.4
51	46.7	37.4	56.0
86	65.5	52.4	78.6



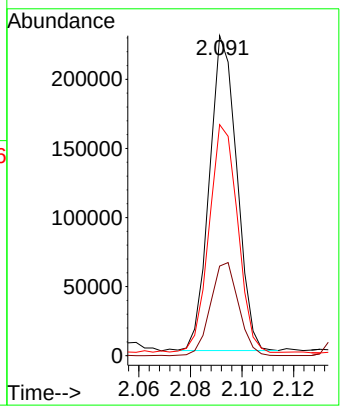


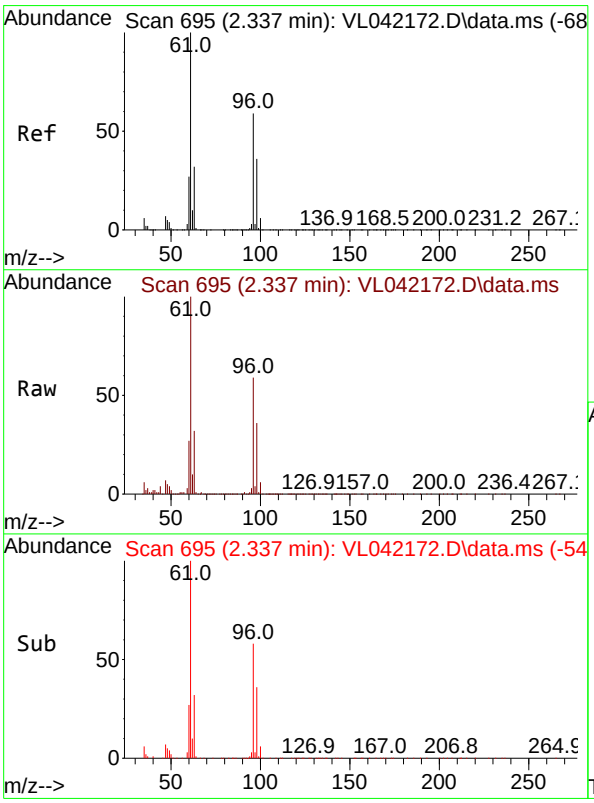
#21
Allyl Chloride
Concen: 9.141 ppbv
RT: 2.091 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 168602

Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.1	36.1
39	76.4	61.1	91.7

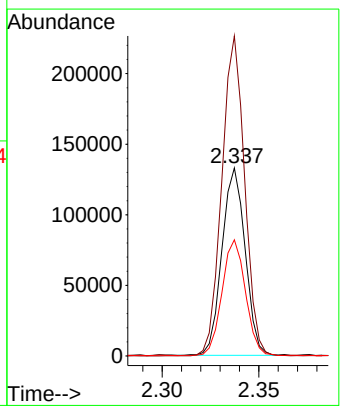


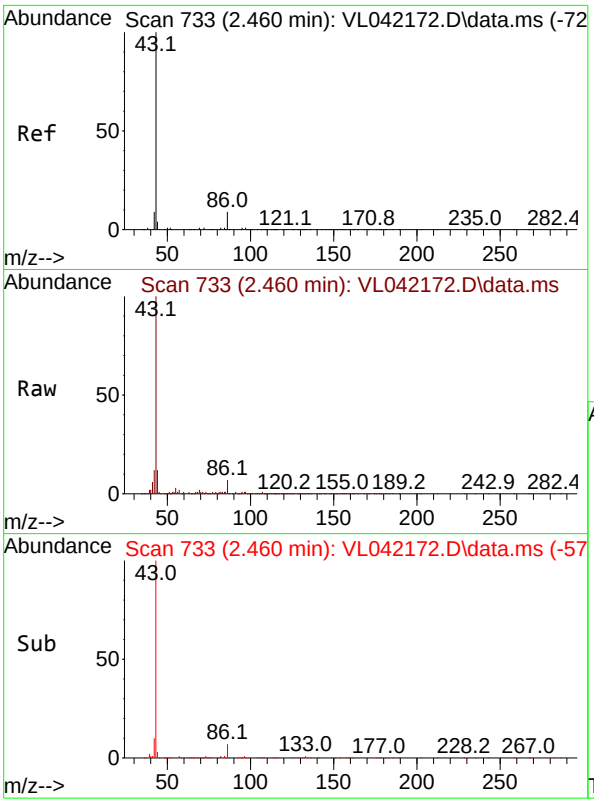


#22
trans-1,2-Dichloroethene
Concen: 9.149 ppbv
RT: 2.337 min Scan# 695
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 96 Resp: 110371

Ion	Ratio	Lower	Upper
96	100		
61	170.7	136.6	204.8
98	61.8	49.4	74.2



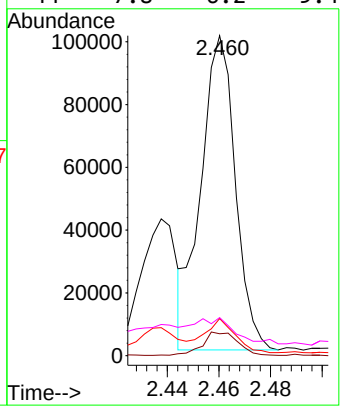


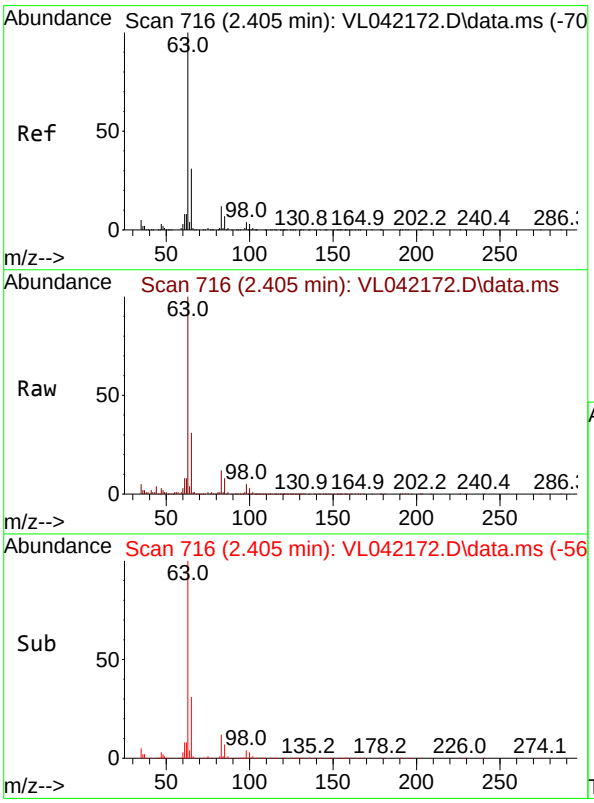
#23
Vinyl Acetate
Concen: 8.563 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 93080

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	10.8	8.6	13.0
44	7.8	6.2	9.4

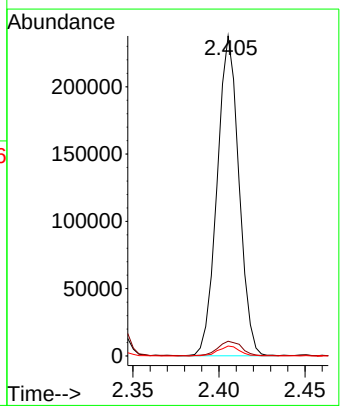


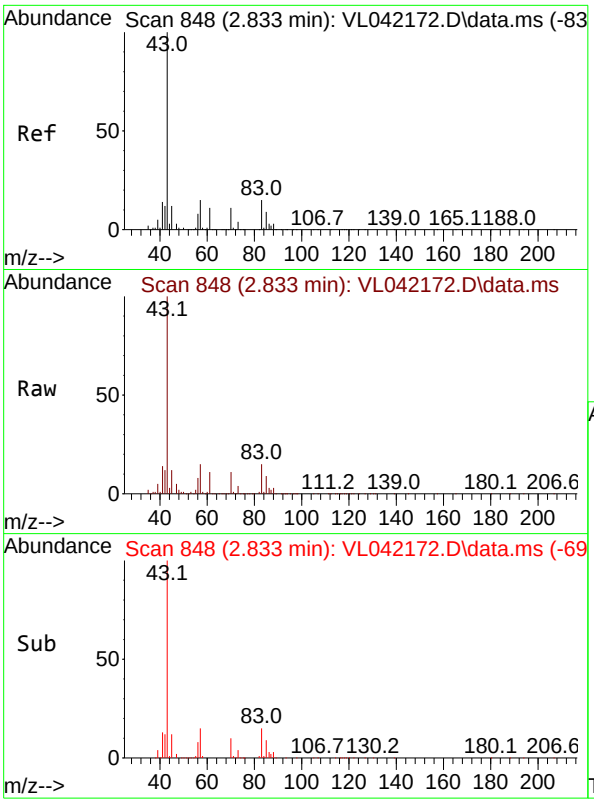


#24
1,1-Dichloroethane
Concen: 9.484 ppbv
RT: 2.405 min Scan# 716
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 63 Resp: 209753

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	3.1	1.6	4.7



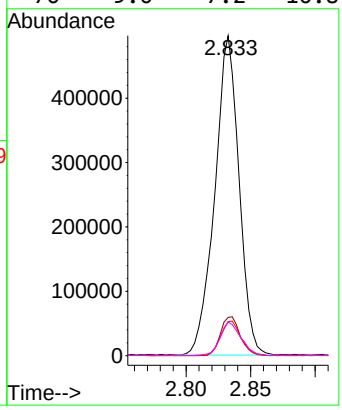


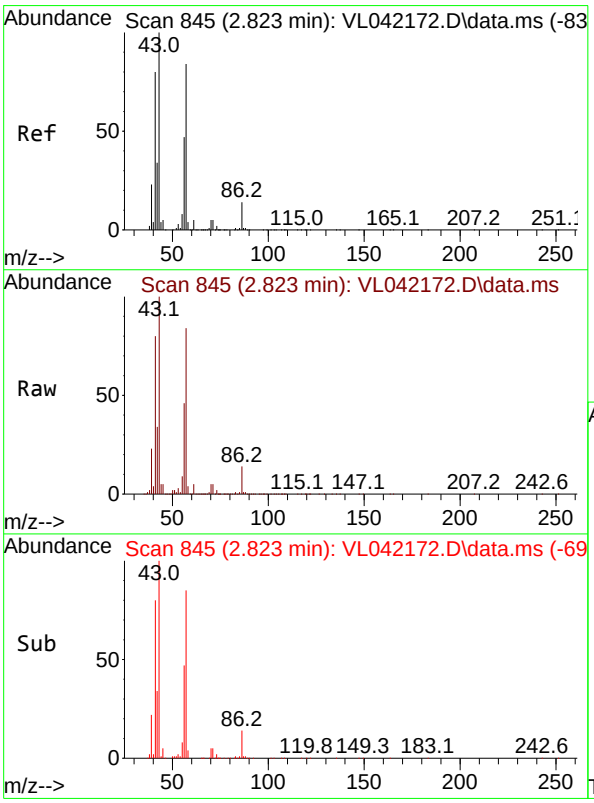
#25
Ethyl Acetate
Concen: 9.524 ppbv
RT: 2.833 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 646501

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.1	7.3	10.9
70	9.0	7.2	10.8

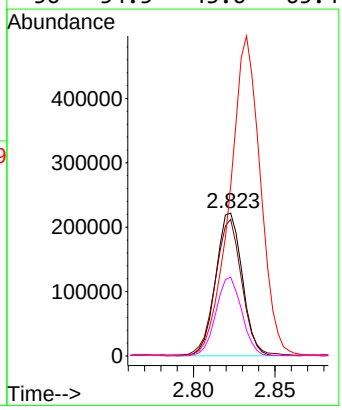


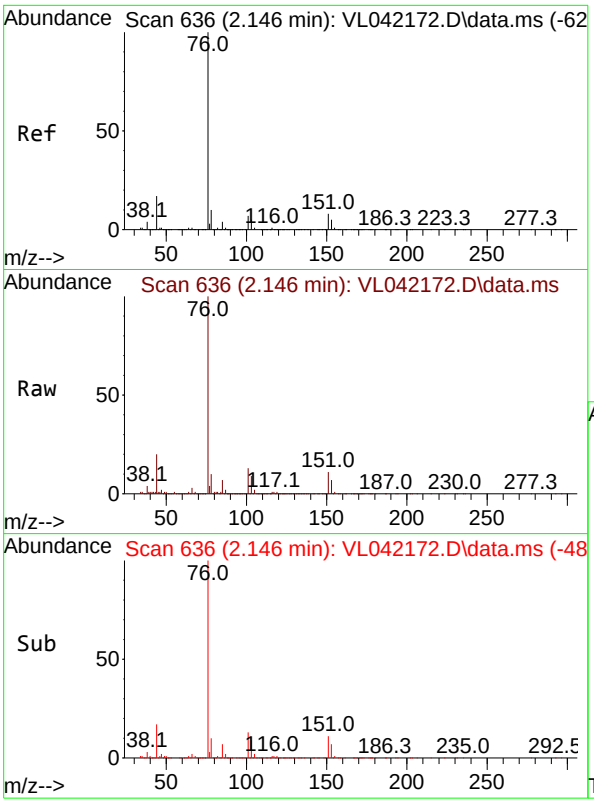


#26
Hexane
Concen: 9.510 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 57 Resp: 249331

Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.6	114.8
43	259.8	207.8	311.8
56	54.5	43.6	65.4



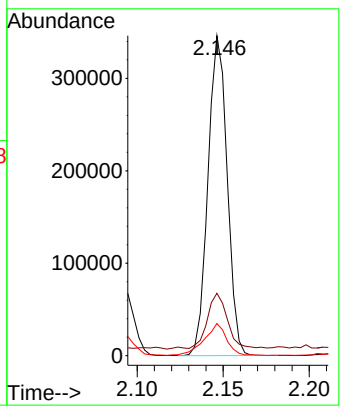


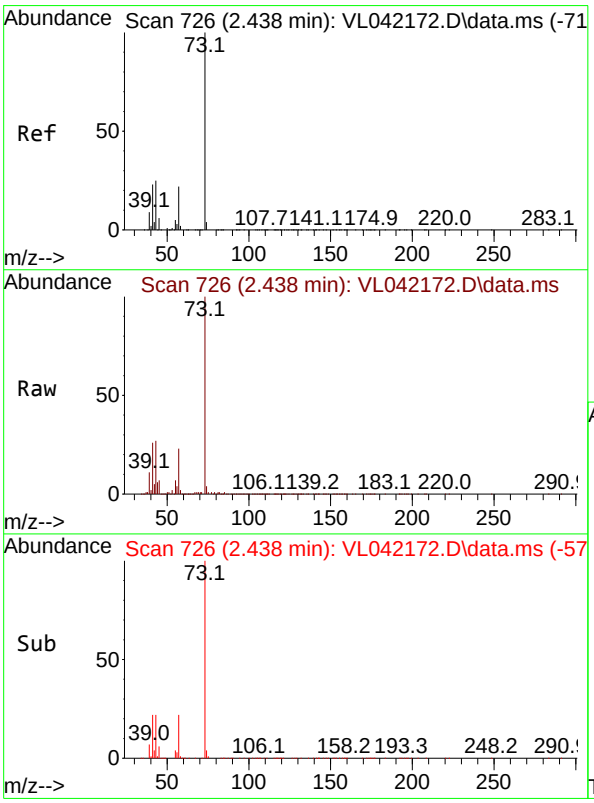
#27
Carbon Disulfide
Concen: 9.550 ppbv
RT: 2.146 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 268507

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.7	22.1
78	11.6	9.3	13.9

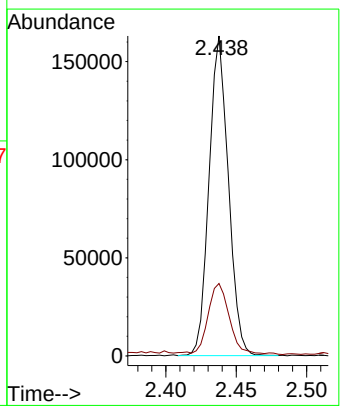


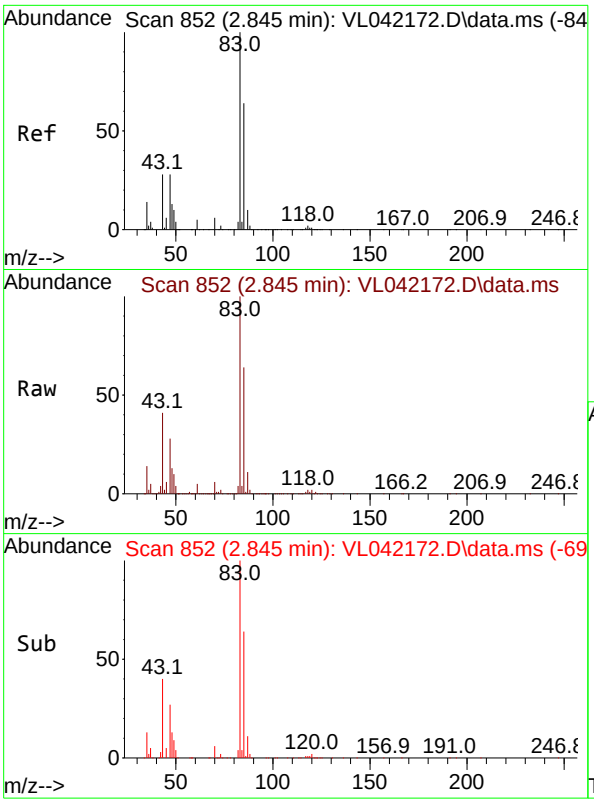


#28
Methyl tert-Butyl Ether
Concen: 9.520 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 73 Resp: 155398

Ion	Ratio	Lower	Upper
73	100		
57	25.6	20.5	30.7



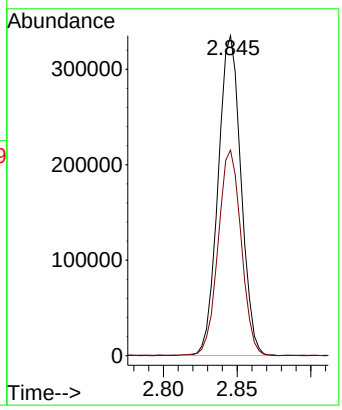


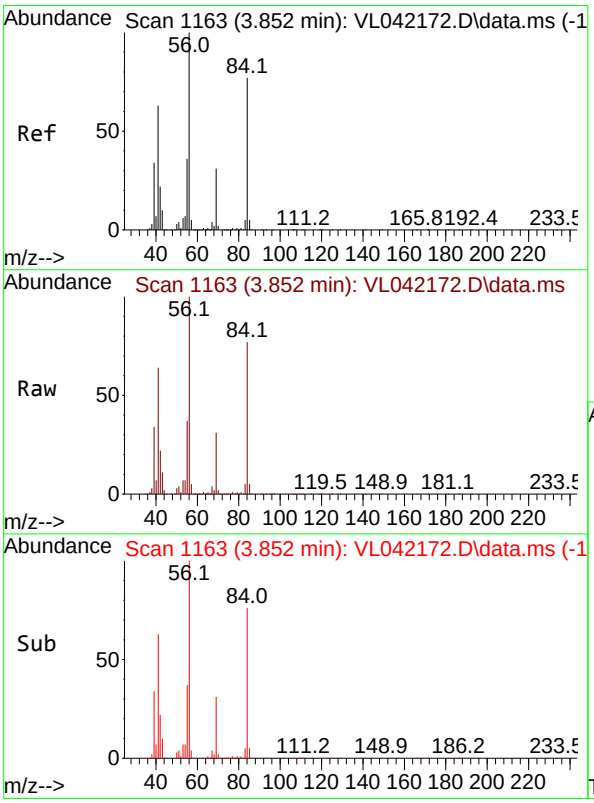
#29
Chloroform
Concen: 9.415 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 361264

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

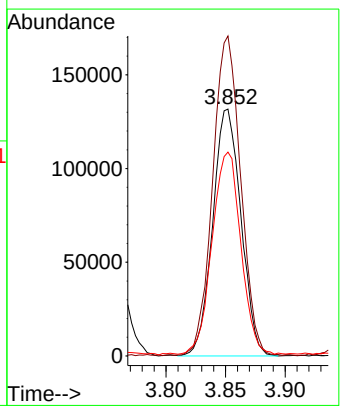


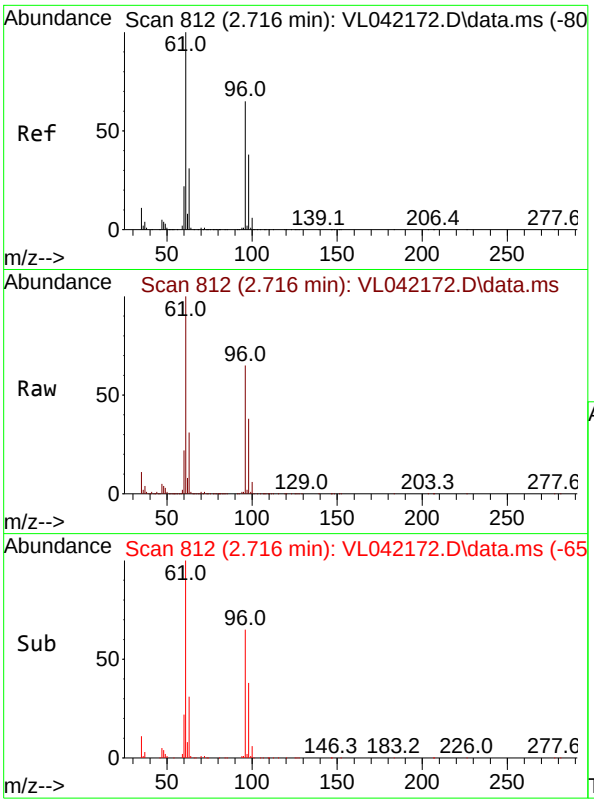


#30
Cyclohexane
Concen: 9.537 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 84 Resp: 217215

Ion	Ratio	Lower	Upper
84	100		
56	128.5	102.8	154.2
41	83.1	66.5	99.7



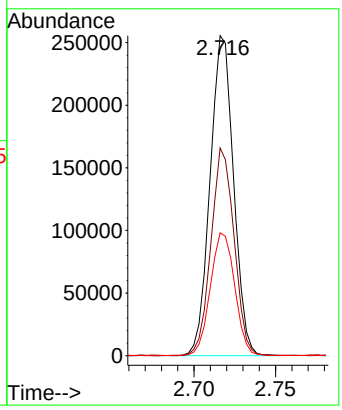


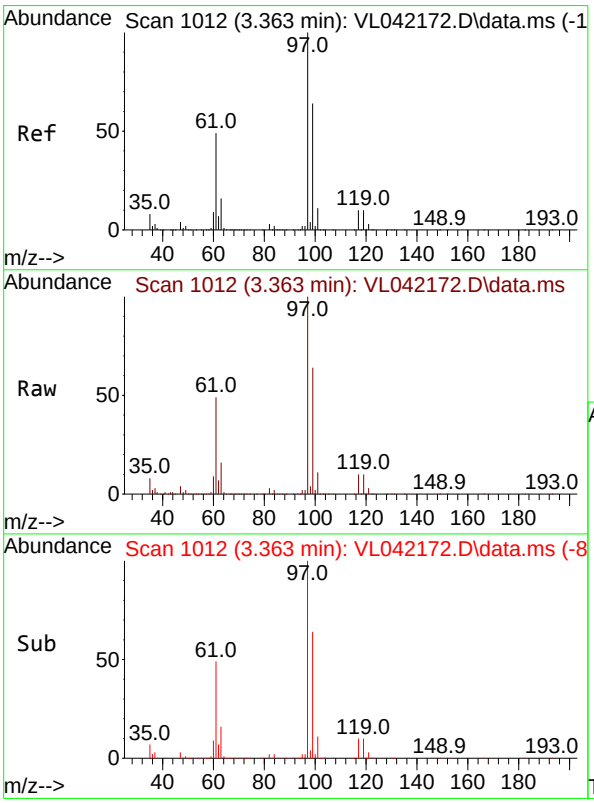
#31
cis-1,2-Dichloroethene
Concen: 9.634 ppbv
RT: 2.716 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 256425

Ion	Ratio	Lower	Upper
61	100		
96	64.8	51.8	77.8
98	38.3	30.6	46.0

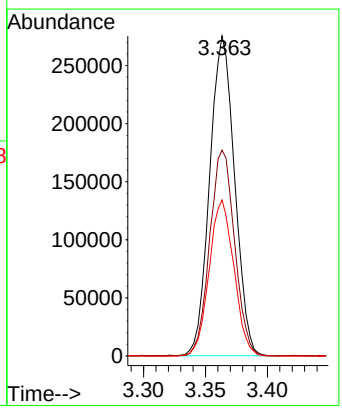


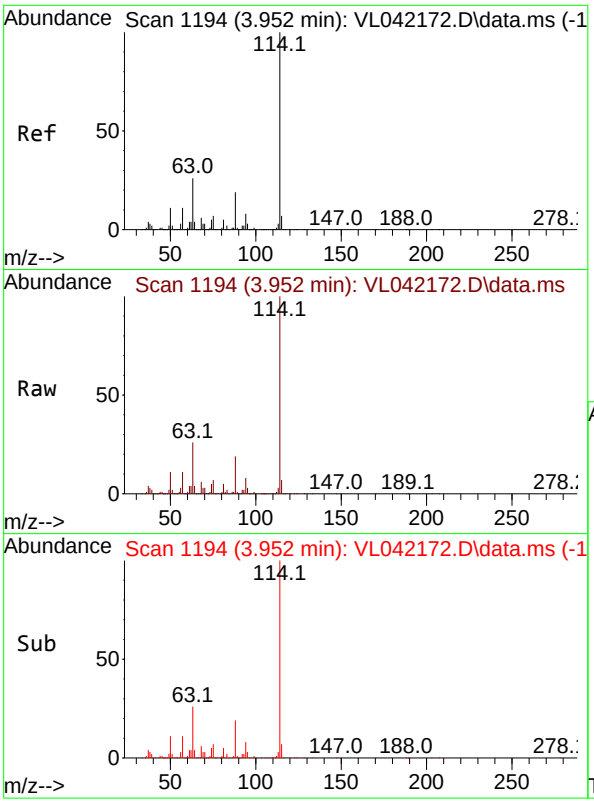


#32
1,1,1-Trichloroethane
Concen: 8.784 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 97 Resp: 385628

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	48.4	38.7	58.1



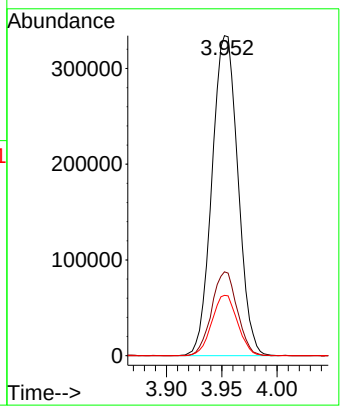


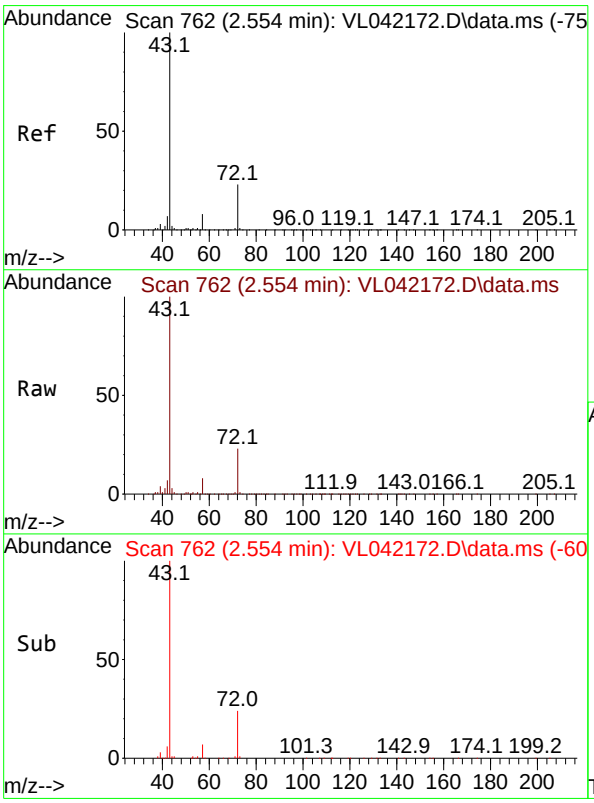
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 545068

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.7	15.0	22.4

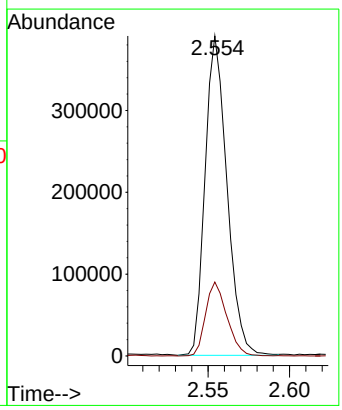


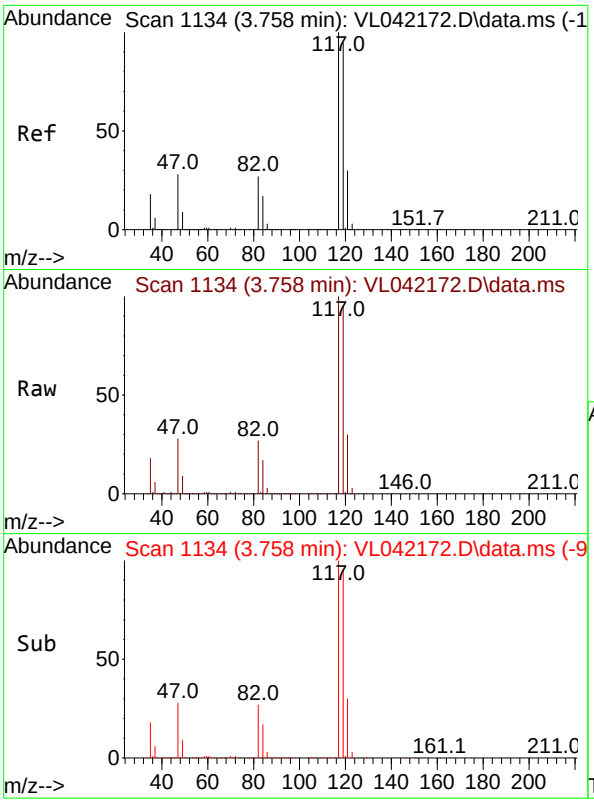


#34
2-Butanone
Concen: 9.203 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 363735

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2



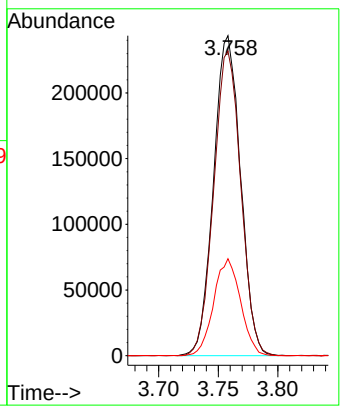


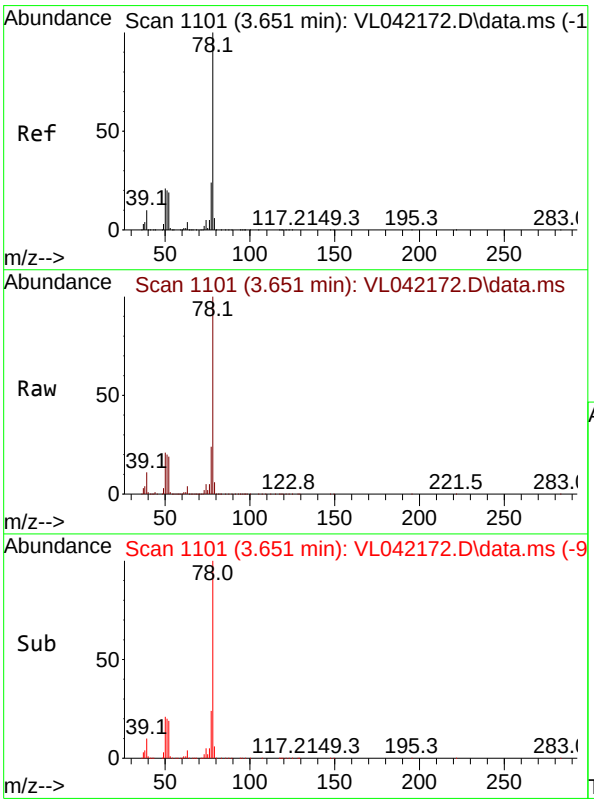
#35
Carbon Tetrachloride
Concen: 9.129 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 382925

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.3	24.2	36.4

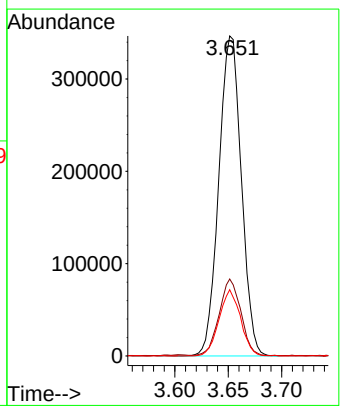


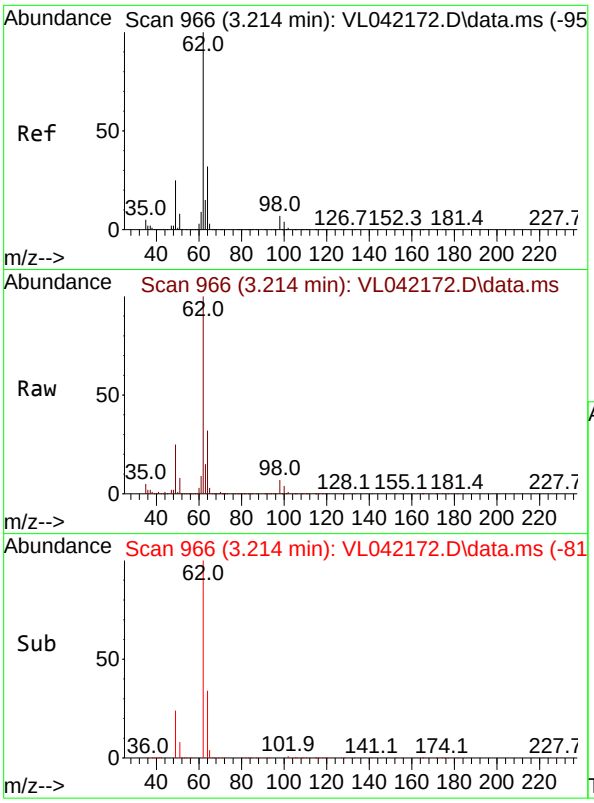


#36
Benzene
Concen: 9.417 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 78 Resp: 508860

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
50	20.7	16.6	24.8



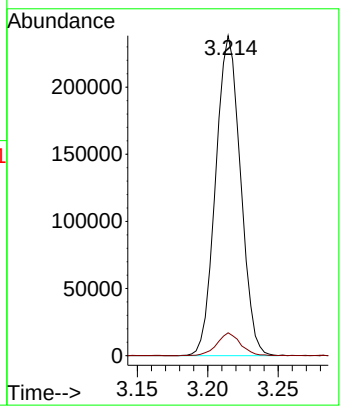


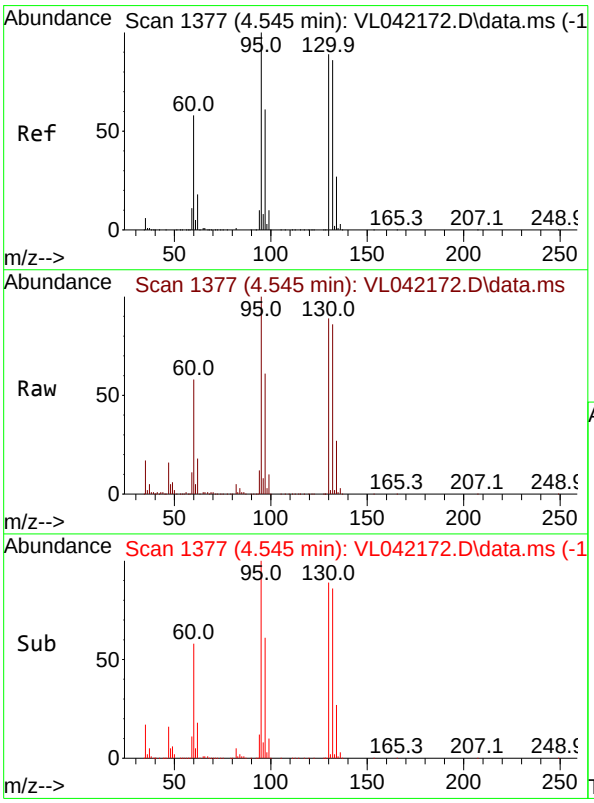
#37
1,2-Dichloroethane
Concen: 9.469 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 292937

Ion	Ratio	Lower	Upper
62	100		
98	6.8	5.4	8.2

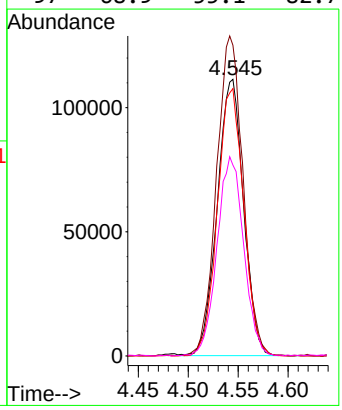


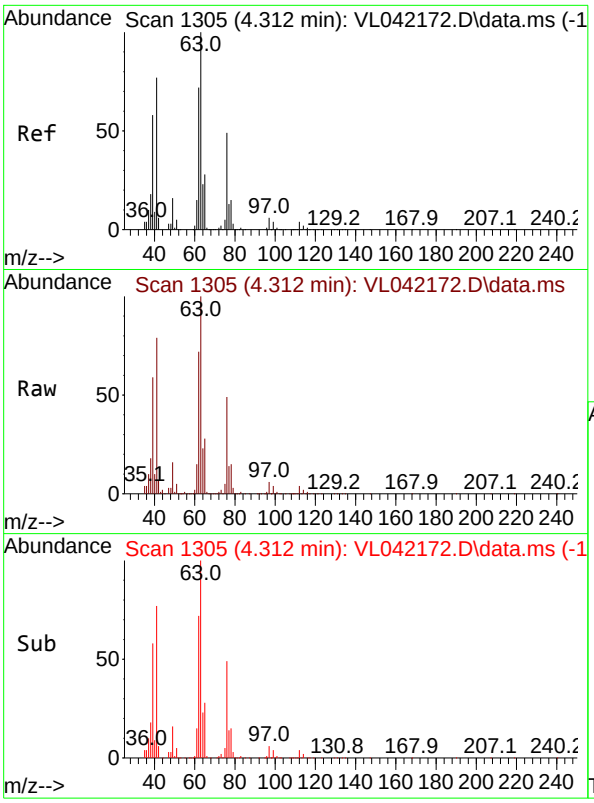


#38
Trichloroethene
Concen: 9.045 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:130 Resp: 204027

Ion	Ratio	Lower	Upper
130	100		
95	112.3	89.8	134.8
132	96.8	77.4	116.2
97	68.9	55.1	82.7



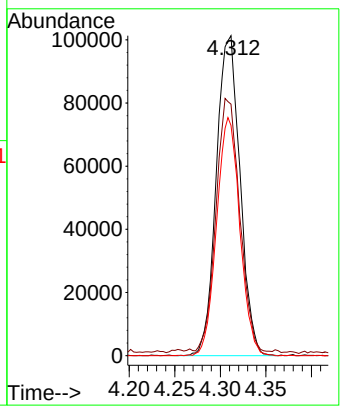


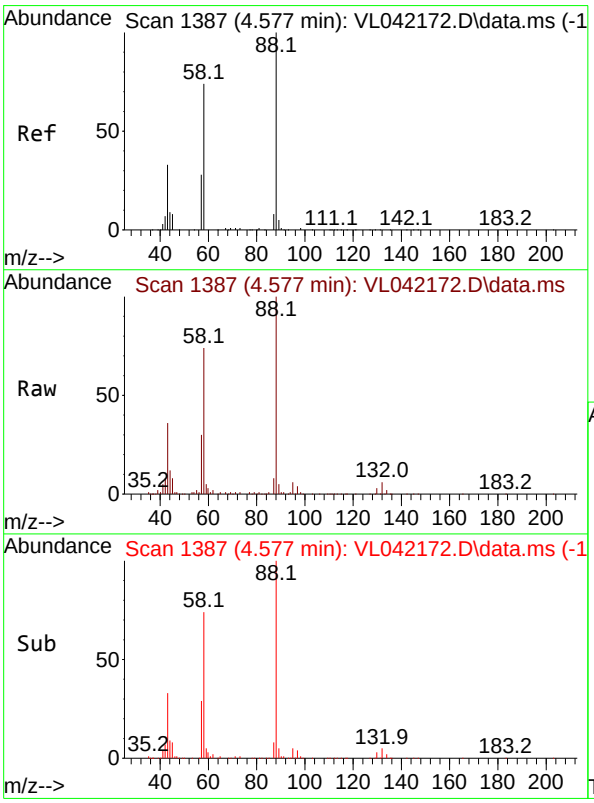
#39
1,2-Dichloropropane
Concen: 9.321 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 183439

Ion	Ratio	Lower	Upper
63	100		
41	77.1	61.7	92.5
62	72.0	57.6	86.4

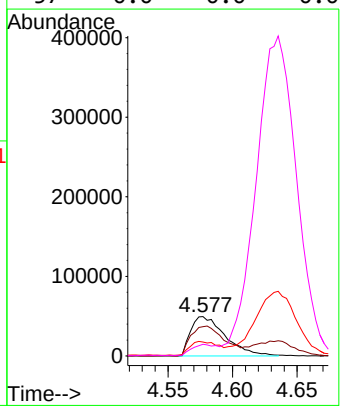


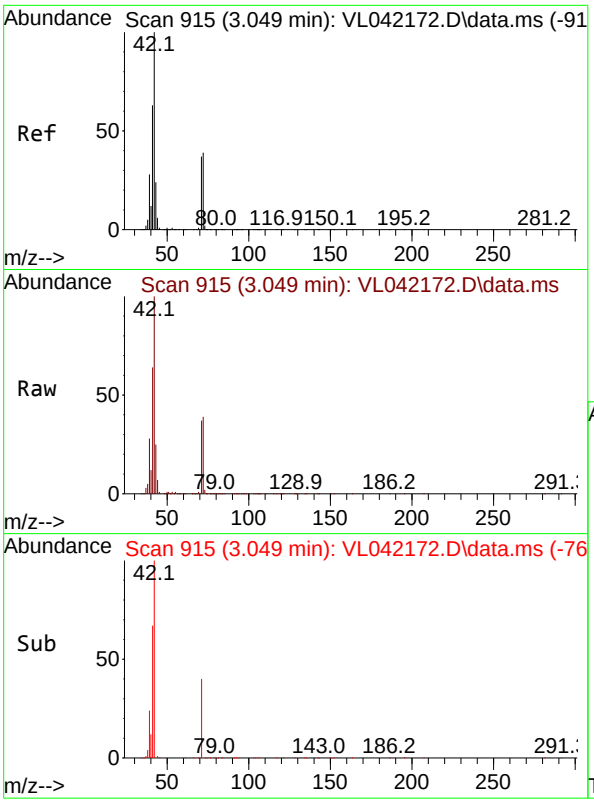


#40
1,4-Dioxane
Concen: 9.042 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 88 Resp: 92327

Ion	Ratio	Lower	Upper
88	100		
58	78.4	62.7	94.1
43	28.7	23.0	34.4
57	0.0	0.0	0.0



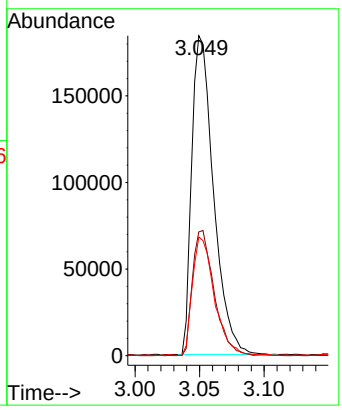


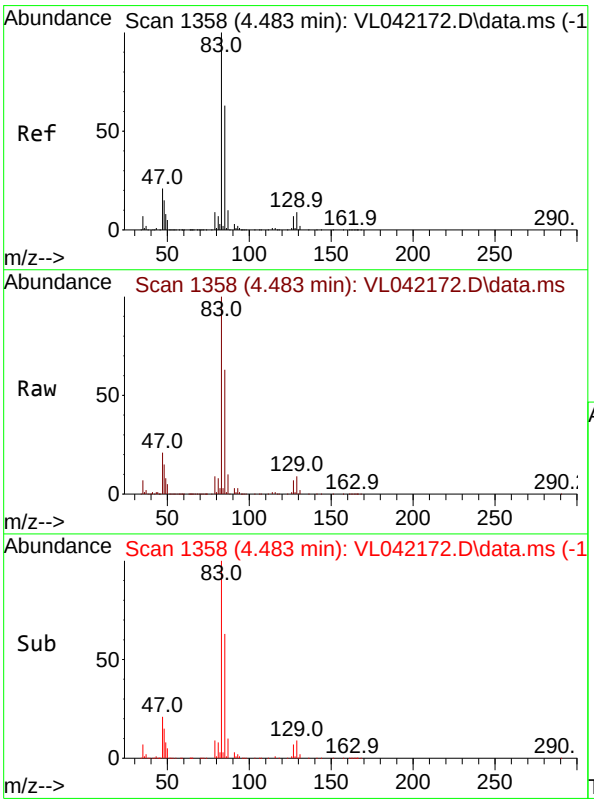
#41
Tetrahydrofuran
Concen: 9.643 ppbv
RT: 3.049 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 216851

Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.0
71	37.8	30.2	45.4

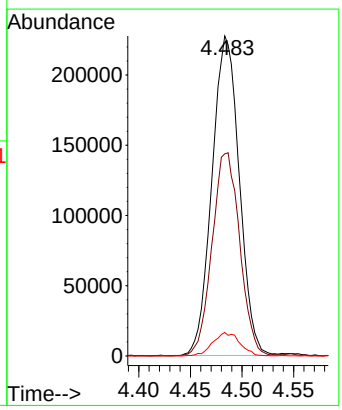


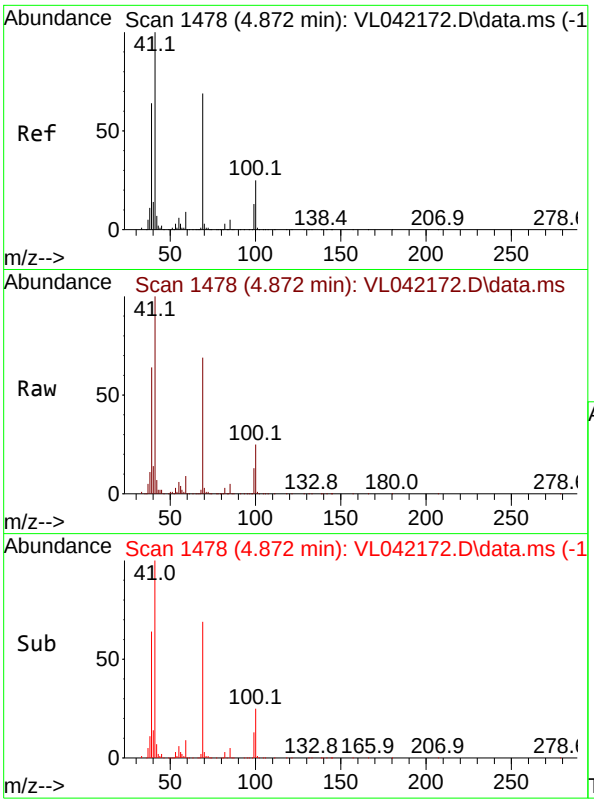


#42
Bromodichloromethane
Concen: 9.822 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 83 Resp: 418887

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	7.4	5.9	8.9



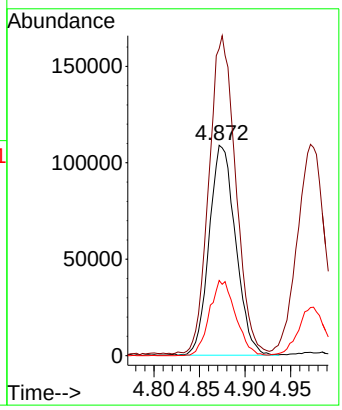


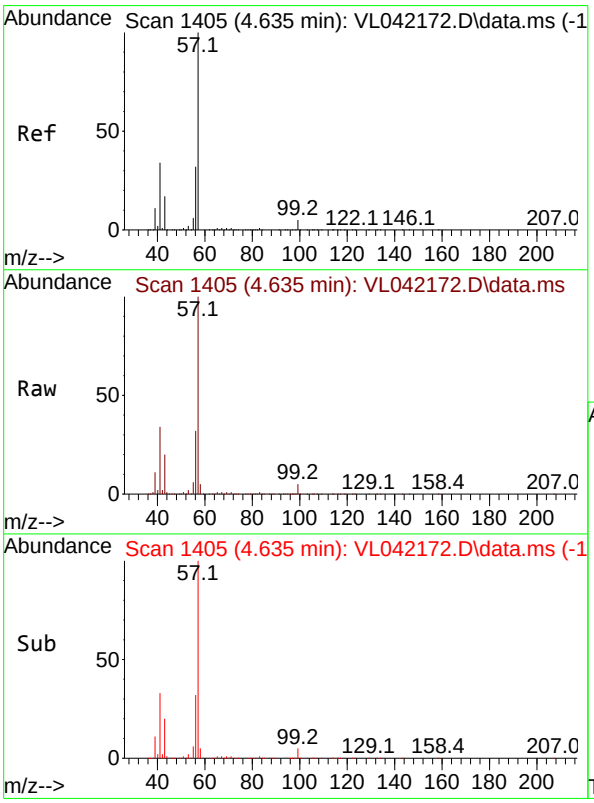
#43
Methyl Methacrylate
Concen: 9.618 ppbv
RT: 4.872 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 219399

Ion	Ratio	Lower	Upper
69	100		
41	154.7	123.8	185.6
100	35.5	28.4	42.6

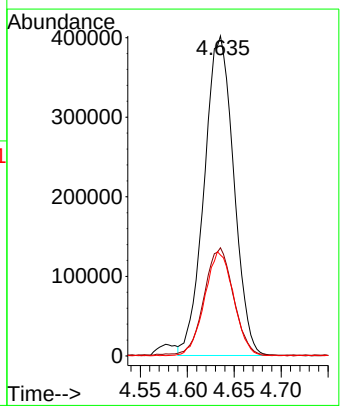


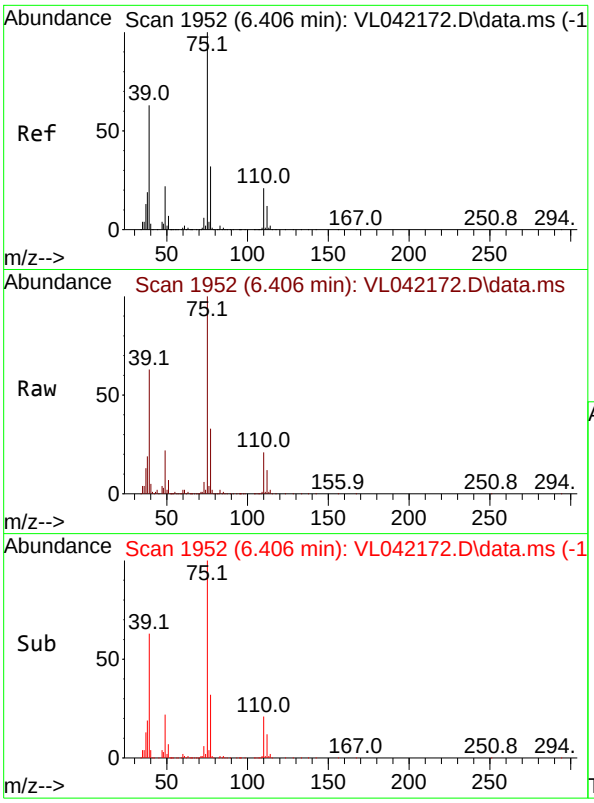


#44
2,2,4-Trimethylpentane
Concen: 9.600 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 57 Resp: 876649

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.8	40.2
56	32.0	25.6	38.4



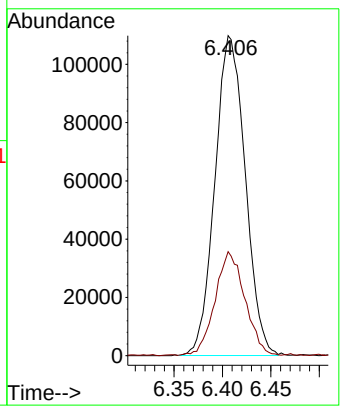


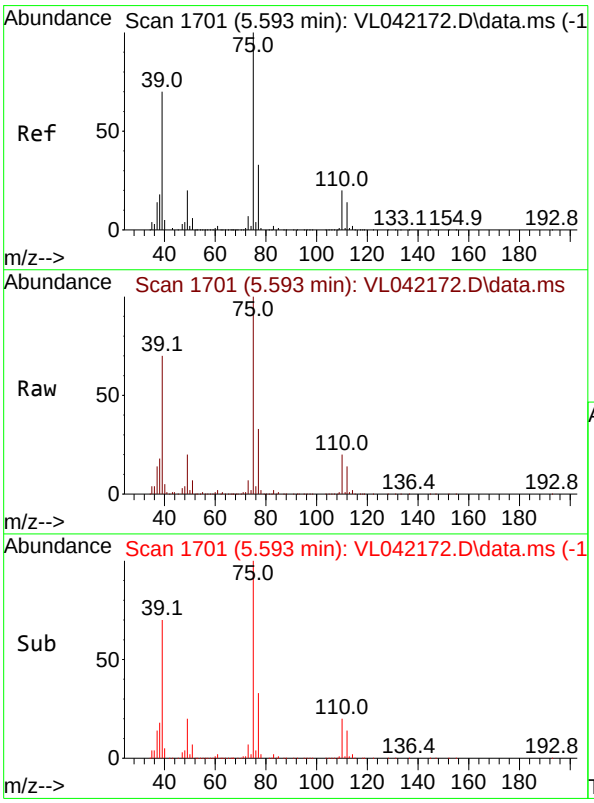
#45
t-1,3-Dichloropropene
Concen: 9.746 ppbv
RT: 6.406 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 239180

Ion	Ratio	Lower	Upper
75	100		
77	32.5	26.0	39.0

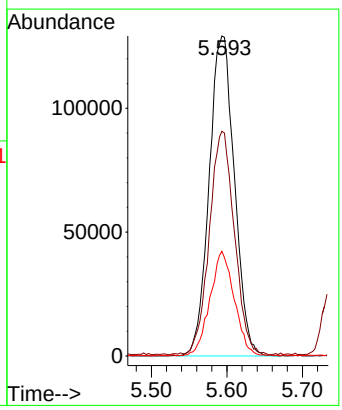


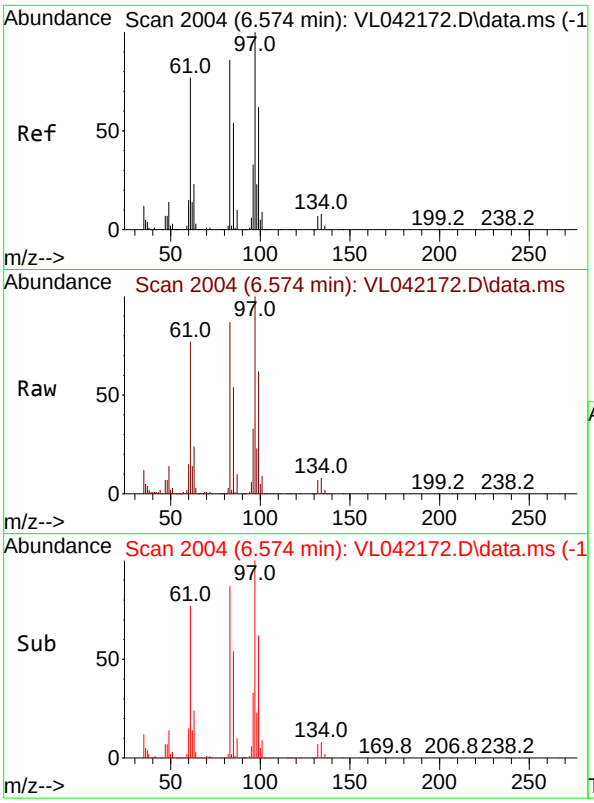


#46
cis-1,3-Dichloropropene
Concen: 9.973 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 75 Resp: 300021

Ion	Ratio	Lower	Upper
75	100		
39	69.7	55.8	83.6
77	32.5	26.0	39.0



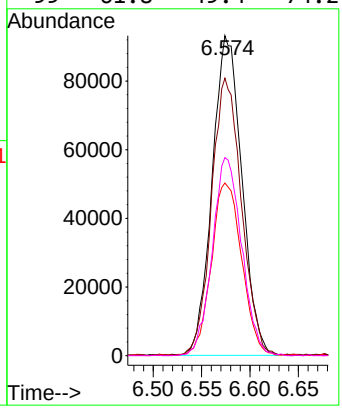


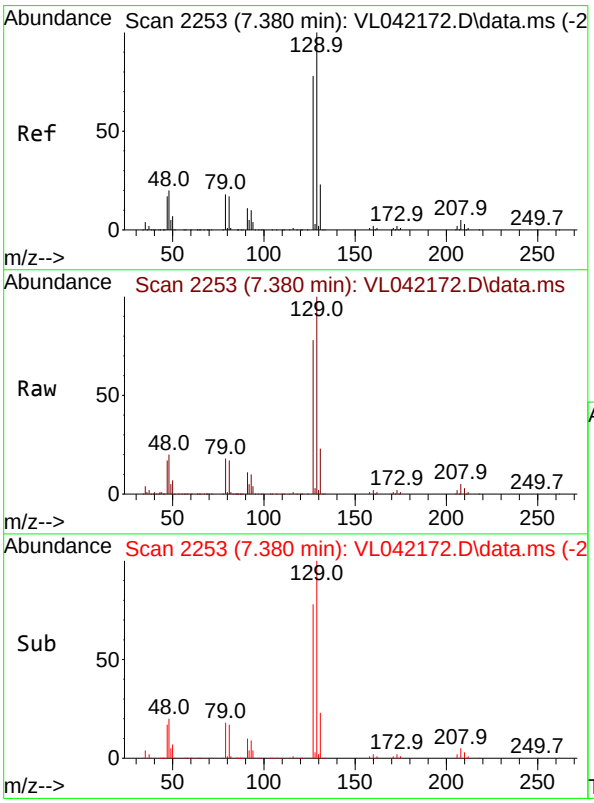
#47
1,1,2-Trichloroethane
Concen: 9.526 ppbv
RT: 6.574 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 198176

Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.2	103.8
85	53.9	43.1	64.7
99	61.8	49.4	74.2

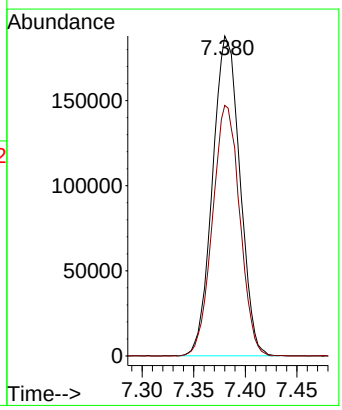


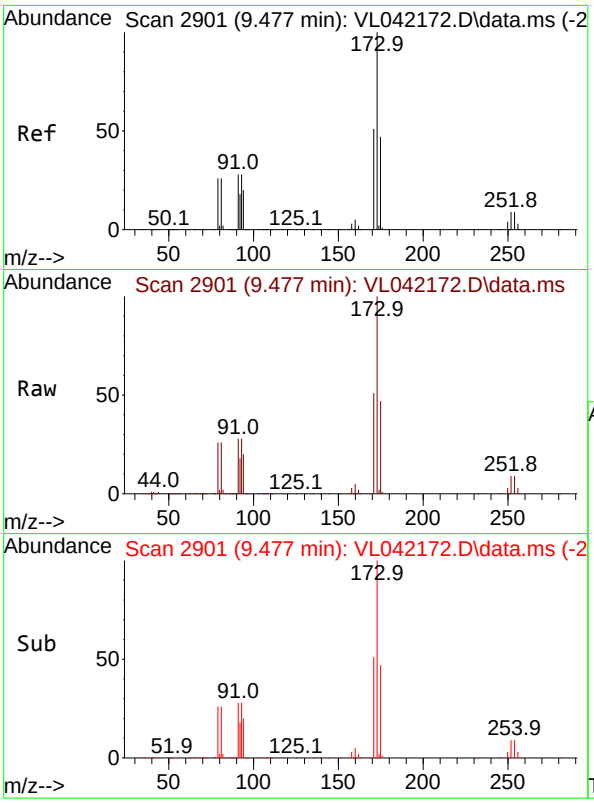


#48
Dibromochloromethane
Concen: 9.828 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:129 Resp: 346499

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2



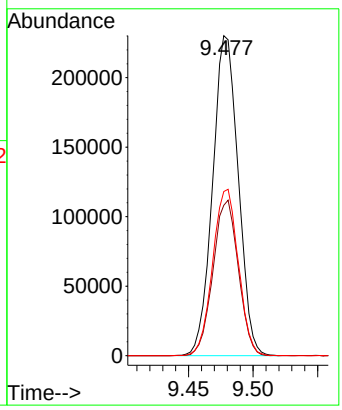


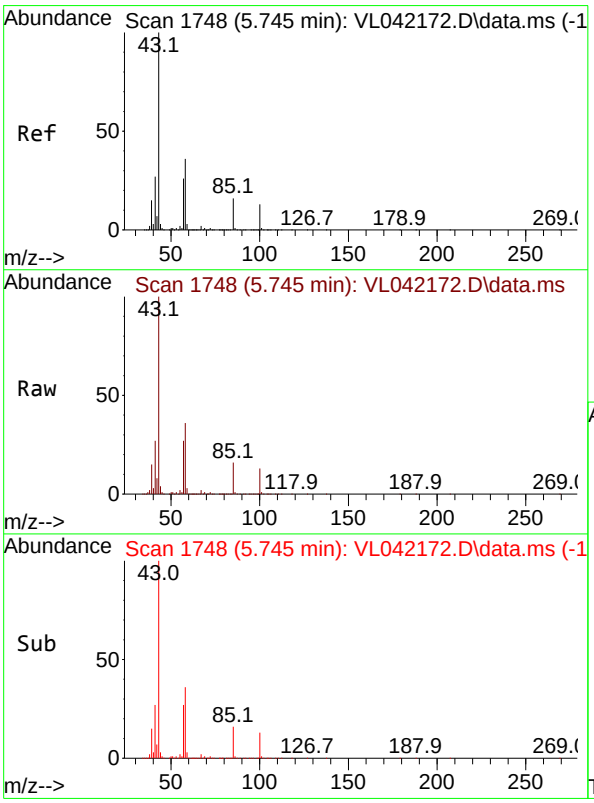
#49
Bromoform
Concen: 10.021 ppbv
RT: 9.477 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 317189

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.6	57.8
171	52.2	41.8	62.6

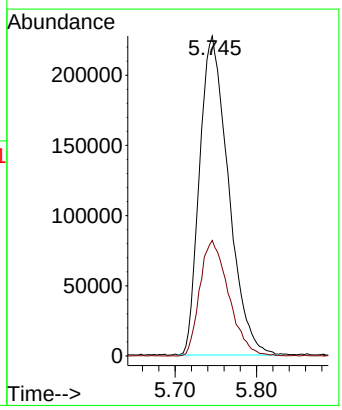


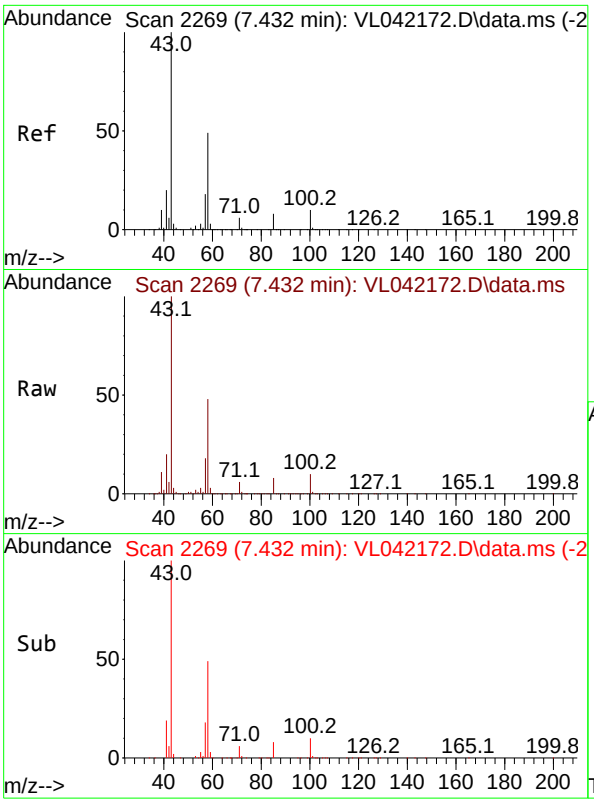


#50
4-Methyl-2-Pentanone
Concen: 8.934 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 559800

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.0	43.6



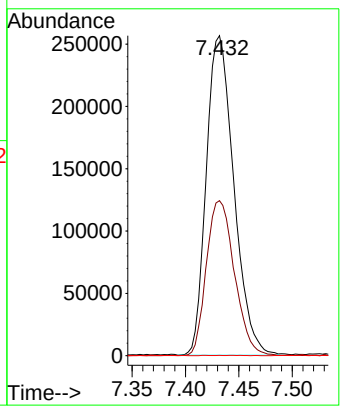


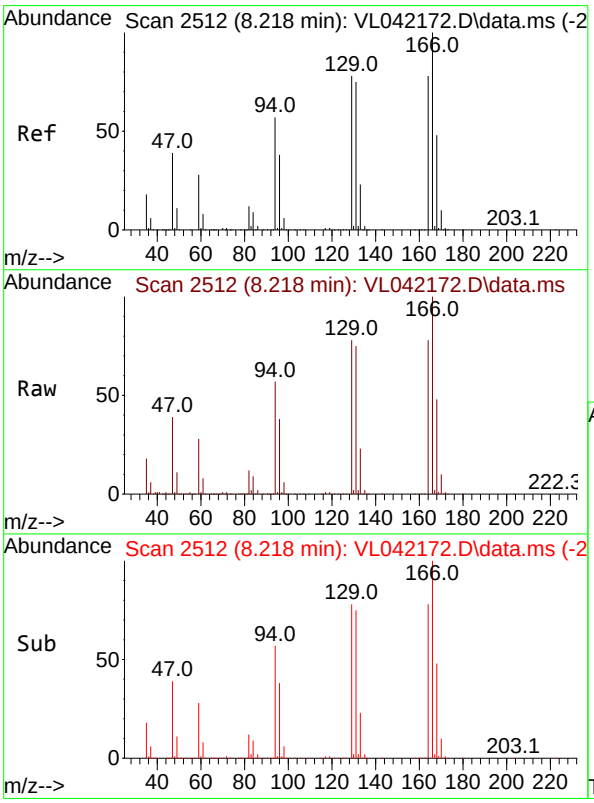
#51
2-Hexanone
Concen: 8.848 ppbv
RT: 7.432 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 460013

Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.7	59.5
98	0.1	0.1	0.1#

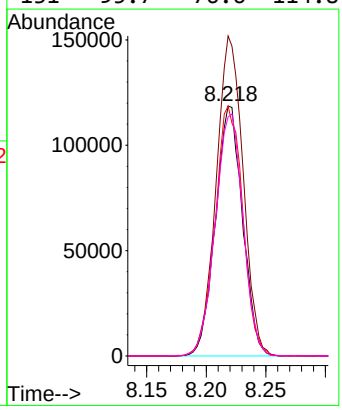


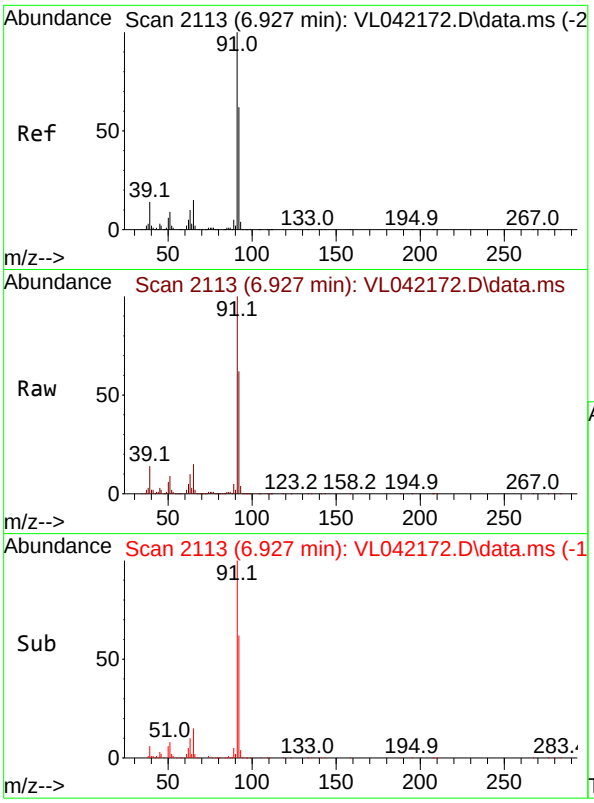


#52
Tetrachloroethene
Concen: 8.722 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:164 Resp: 186912

Ion	Ratio	Lower	Upper
164	100		
166	128.1	102.5	153.7
129	99.8	79.8	119.8
131	95.7	76.6	114.8



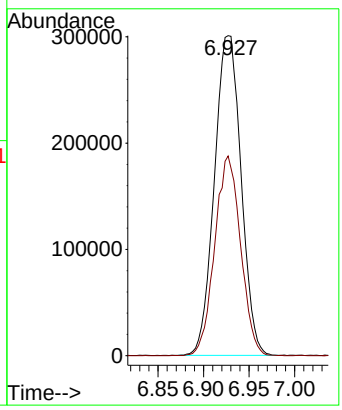


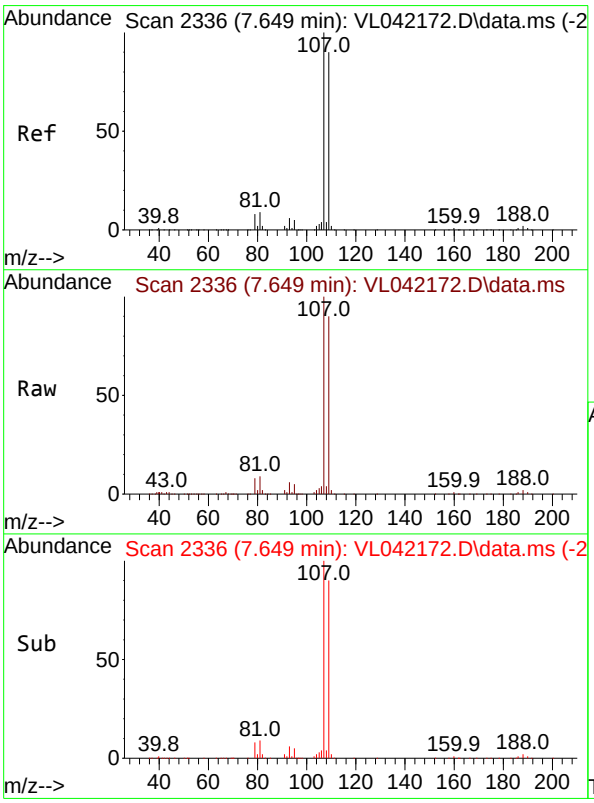
#53
Toluene
Concen: 9.576 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 613378

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.4	72.6

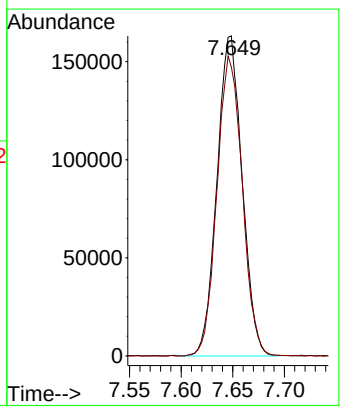


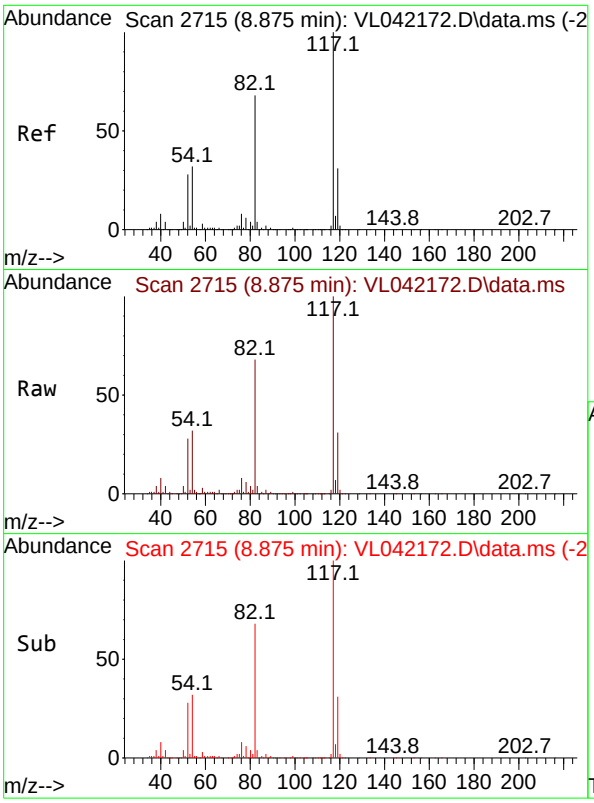


#54
1,2-Dibromoethane
Concen: 9.536 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:107 Resp: 276797

Ion	Ratio	Lower	Upper
107	100		
109	90.3	72.2	108.4



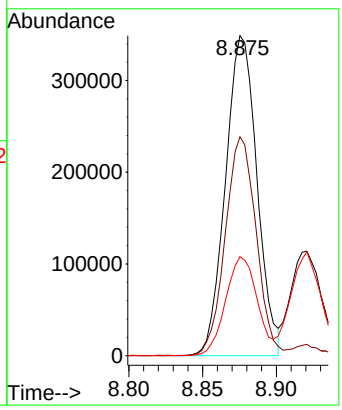


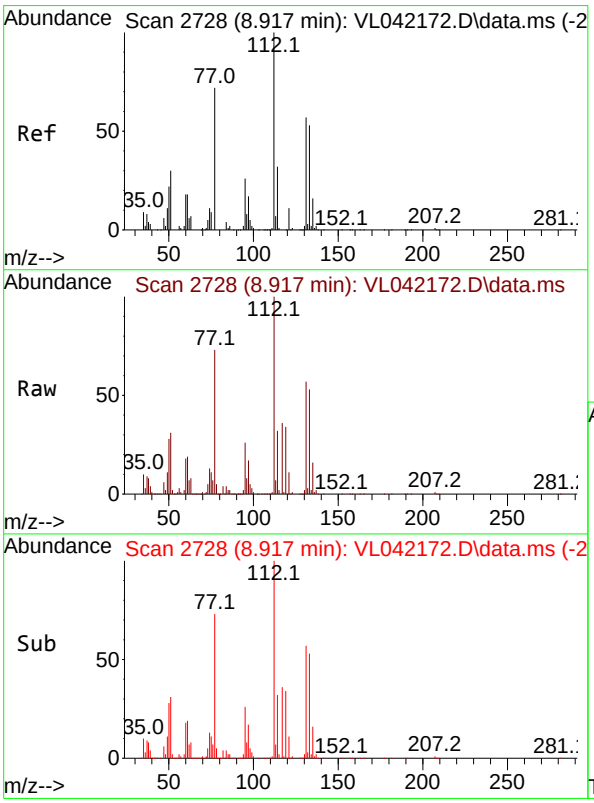
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 519536

Ion	Ratio	Lower	Upper
117	100		
82	69.7	55.8	83.6
119	31.9	25.5	38.3

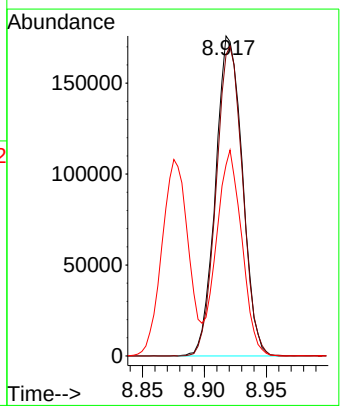


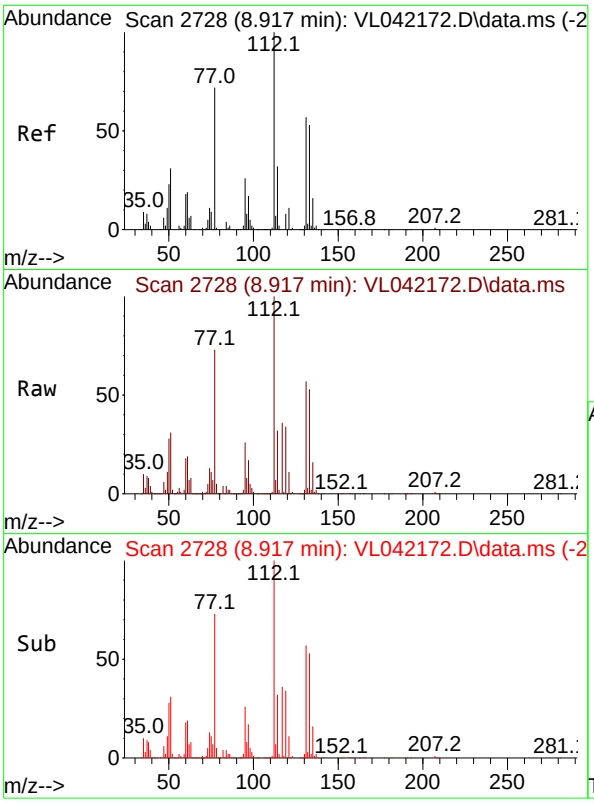


#56
1,1,1,2-Tetrachloroethane
Concen: 9.268 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:131 Resp: 265037

Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.6	114.8
119	62.2	49.8	74.6



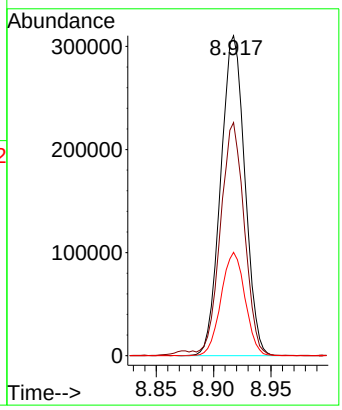


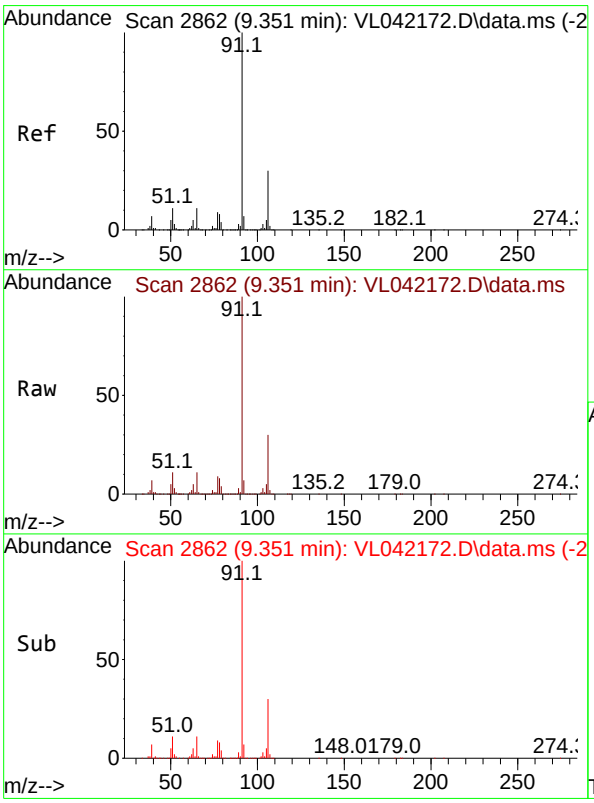
#57
Chlorobenzene
Concen: 9.223 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 454511

Ion	Ratio	Lower	Upper
112	100		
77	72.7	58.2	87.2
114	32.3	29.1	35.5

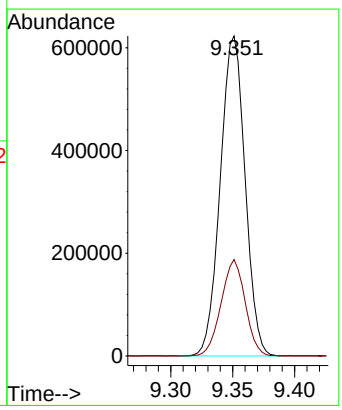


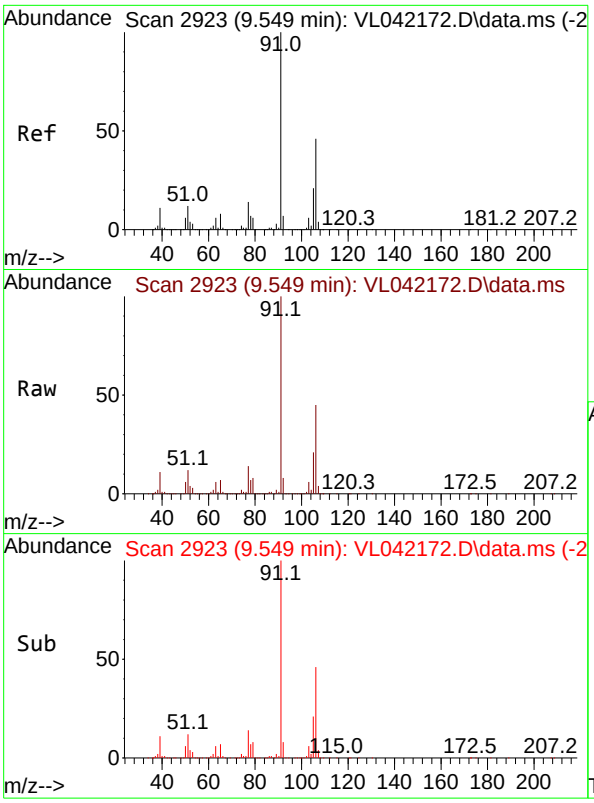


#58
Ethyl Benzene
Concen: 9.406 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 868003

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.2



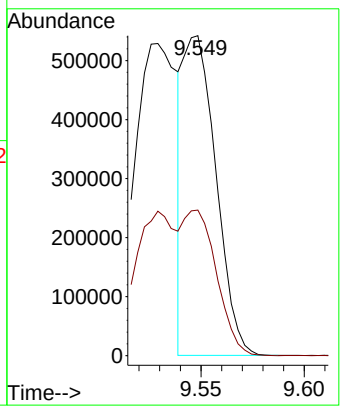


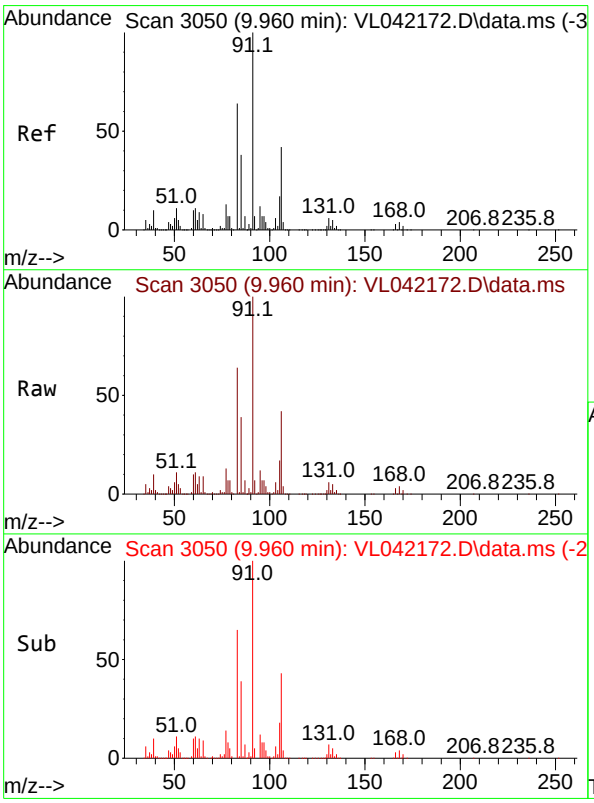
#59
m/p-Xylene
Concen: 8.071 ppbv
RT: 9.549 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 595445

Ion	Ratio	Lower	Upper
91	100		
106	105.0	36.4	54.6#

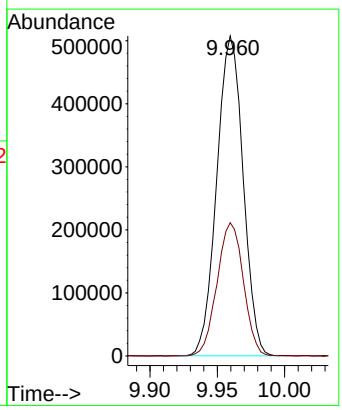


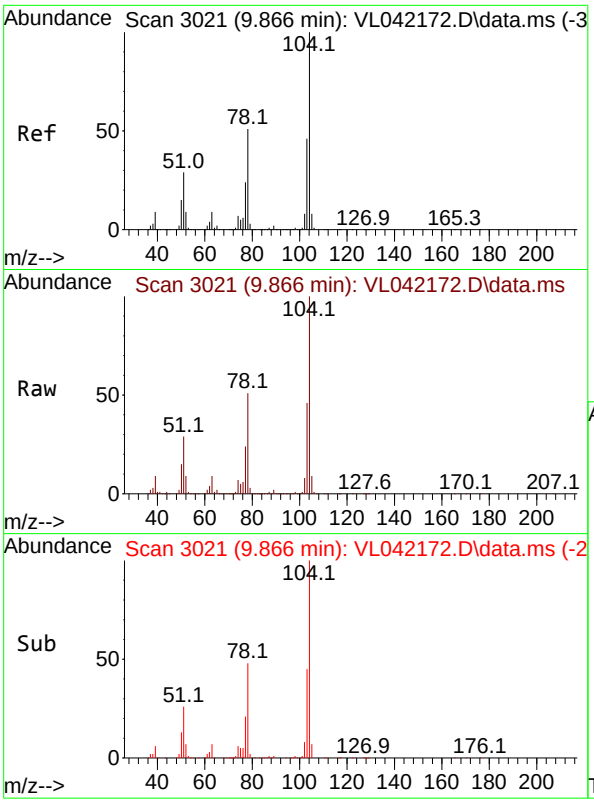


#60
o-Xylene
Concen: 9.340 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 689933

Ion	Ratio	Lower	Upper
91	100		
106	41.7	20.8	62.5



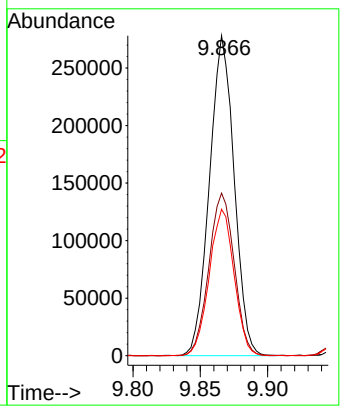


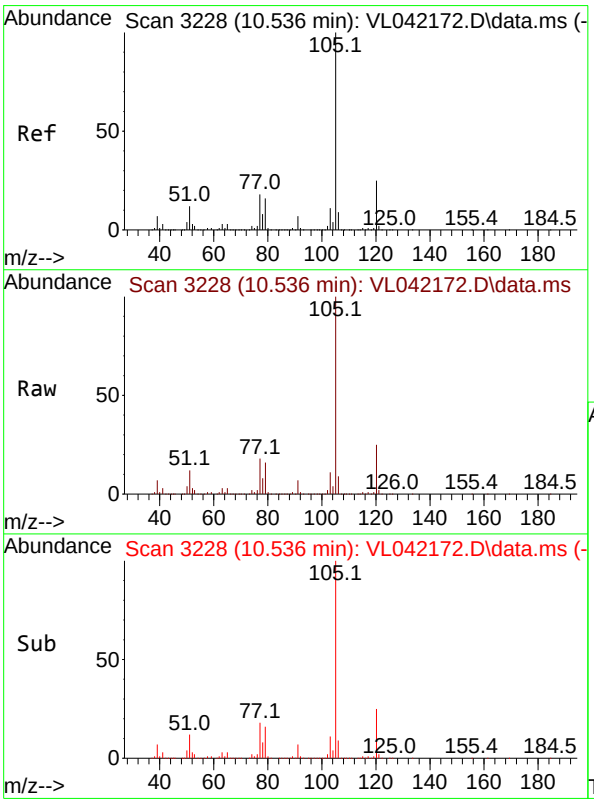
#61
Styrene
Concen: 9.706 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 354697

Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.8	62.6
103	46.2	37.0	55.4

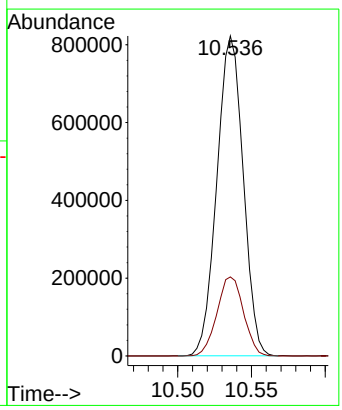


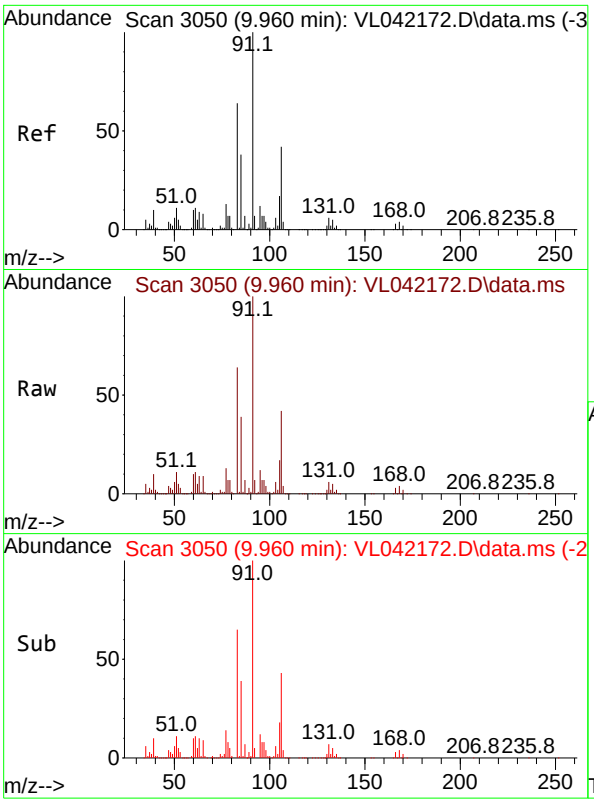


#62
Isopropylbenzene
Concen: 9.227 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 1019255

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.9	29.9



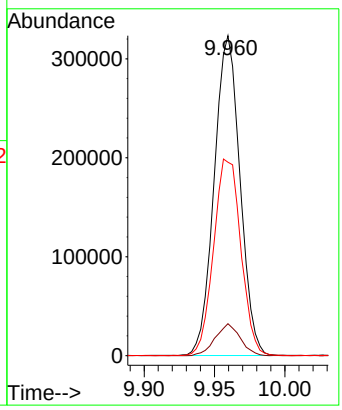


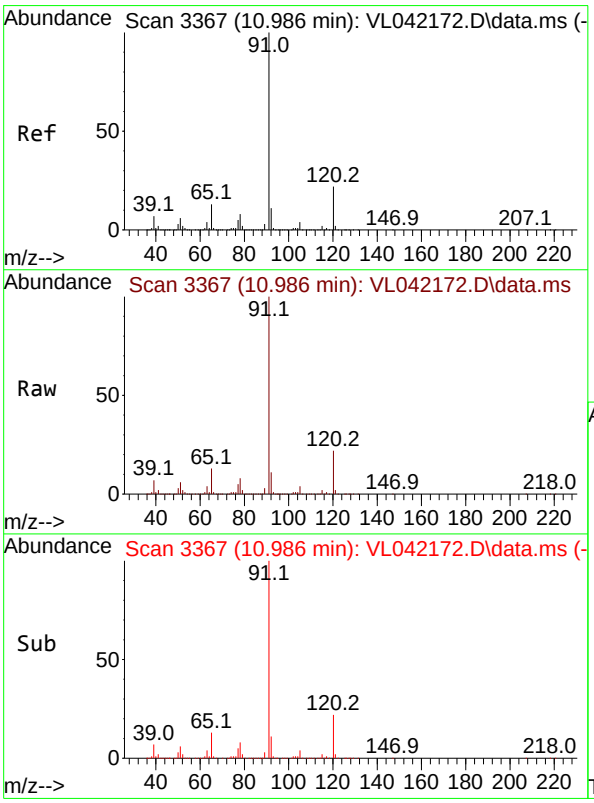
#63
1,1,2,2-Tetrachloroethane
Concen: 9.210 ppbv
RT: 9.960 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 413392

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.0	32.5	97.5

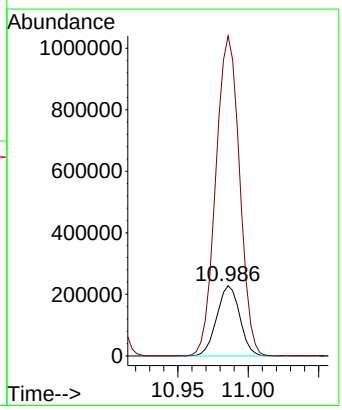


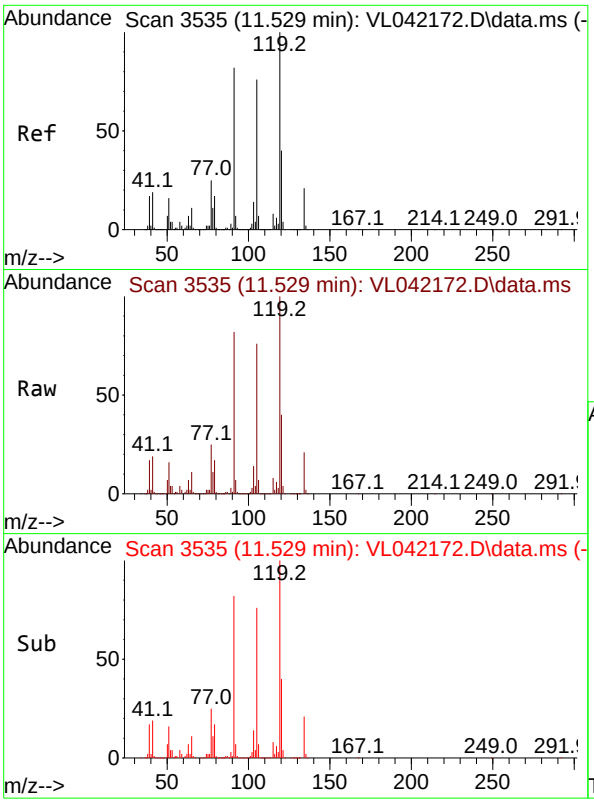


#64
n-propylbenzene
Concen: 9.122 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:120 Resp: 259405

Ion	Ratio	Lower	Upper
120	100		
91	471.1	376.9	565.3



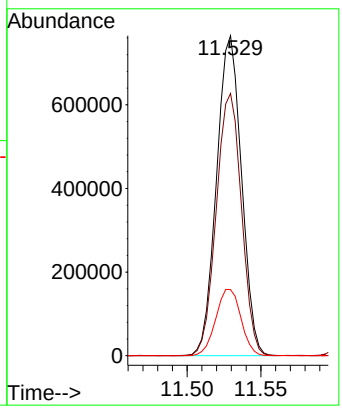


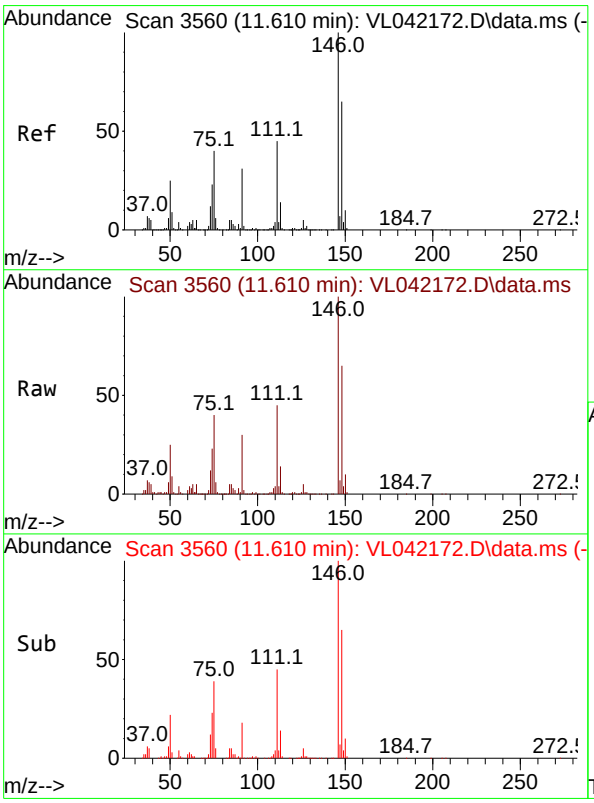
#65
tert-Butylbenzene
Concen: 8.828 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 901951

Ion	Ratio	Lower	Upper
119	100		
91	82.5	66.0	99.0
134	20.9	16.7	25.1

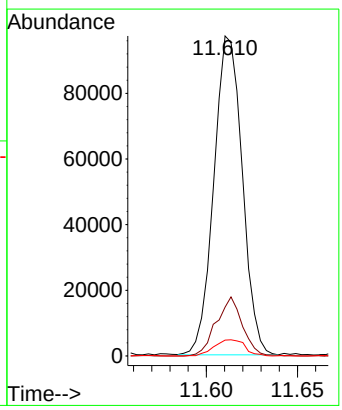


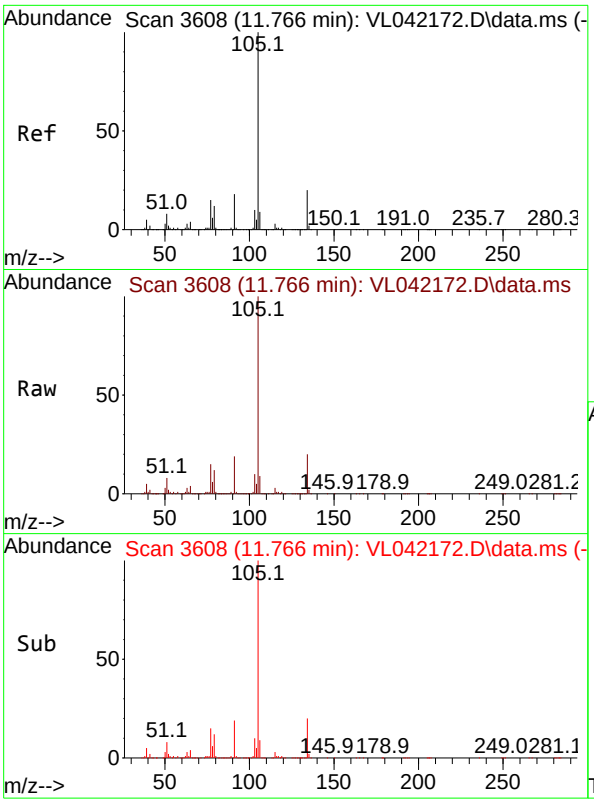


#66
Benzyl Chloride
Concen: 9.724 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 105411

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.6
128	5.6	4.5	6.7



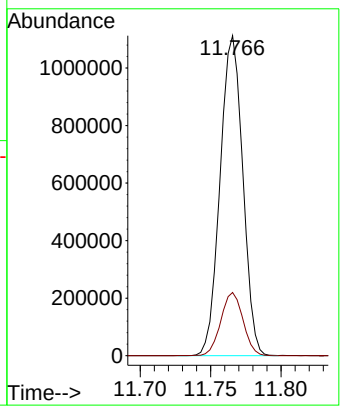


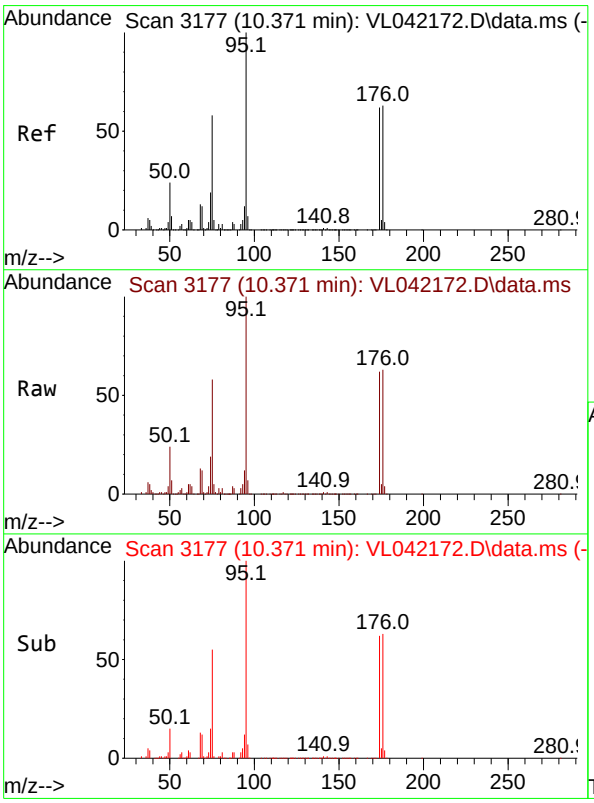
#67
sec-Butylbenzene
Concen: 8.796 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 1249106

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

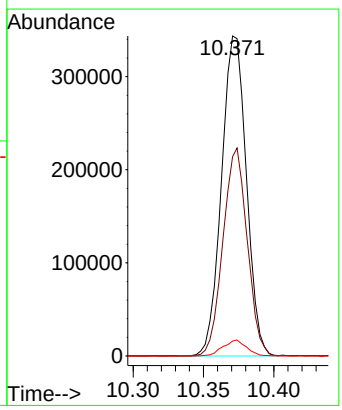


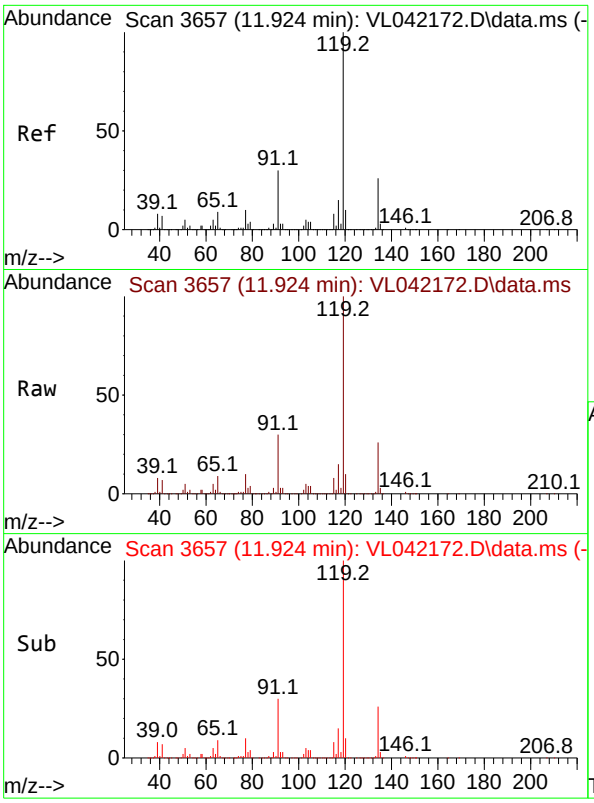


#68
1-Bromo-4-Fluorobenzene
Concen: 9.901 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 95 Resp: 422410

Ion	Ratio	Lower	Upper
95	100		
174	63.3	50.6	76.0
175	4.7	3.8	5.6



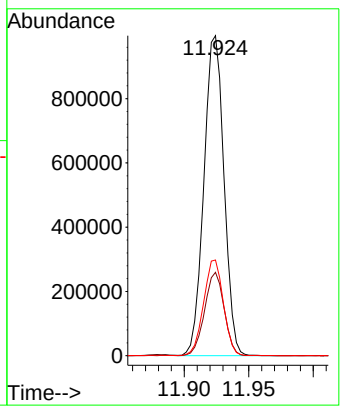


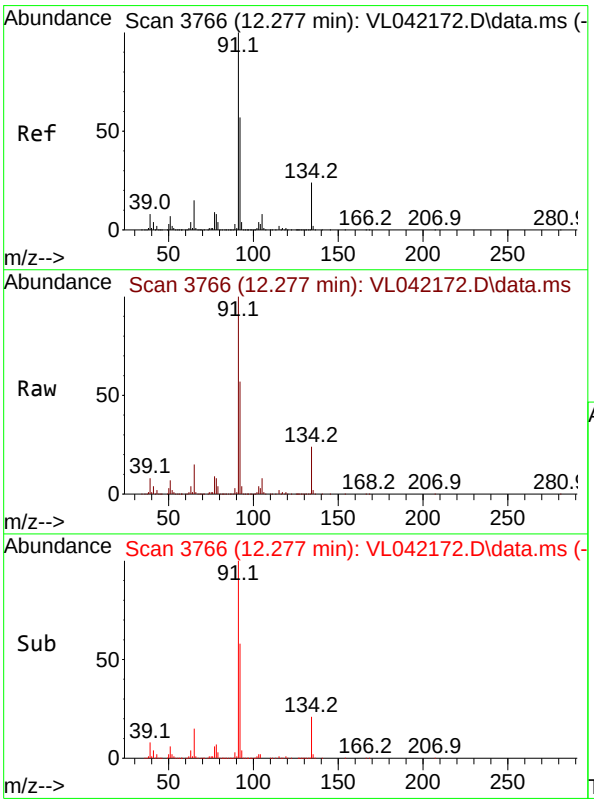
#69
p-Isopropyltoluene
Concen: 8.830 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 1079675

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	29.6	23.7	35.5

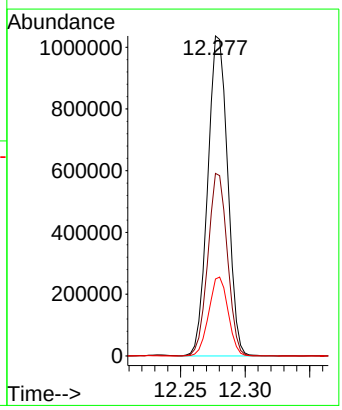


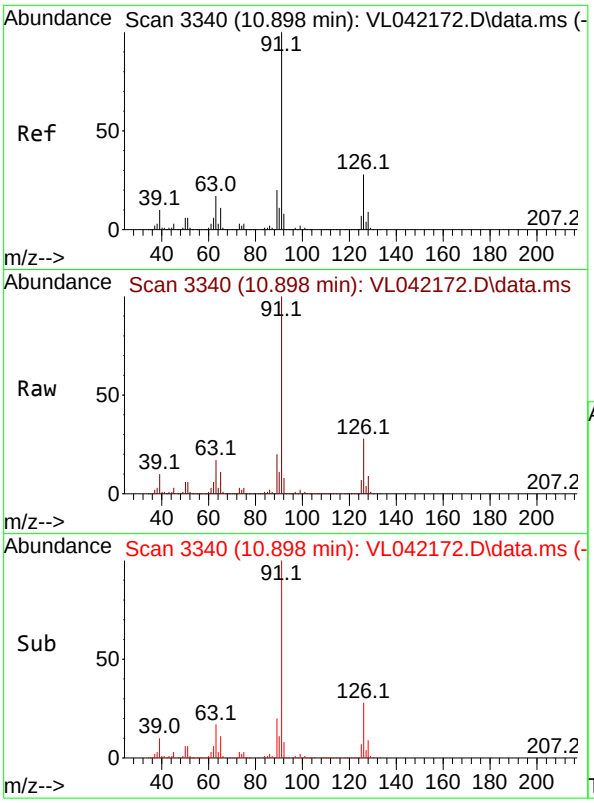


#70
n-Butylbenzene
Concen: 8.879 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 1110351

Ion	Ratio	Lower	Upper
91	100		
92	56.1	44.9	67.3
134	24.0	19.2	28.8



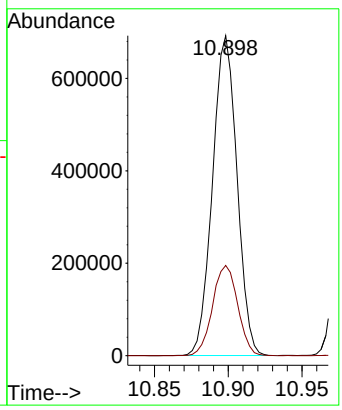


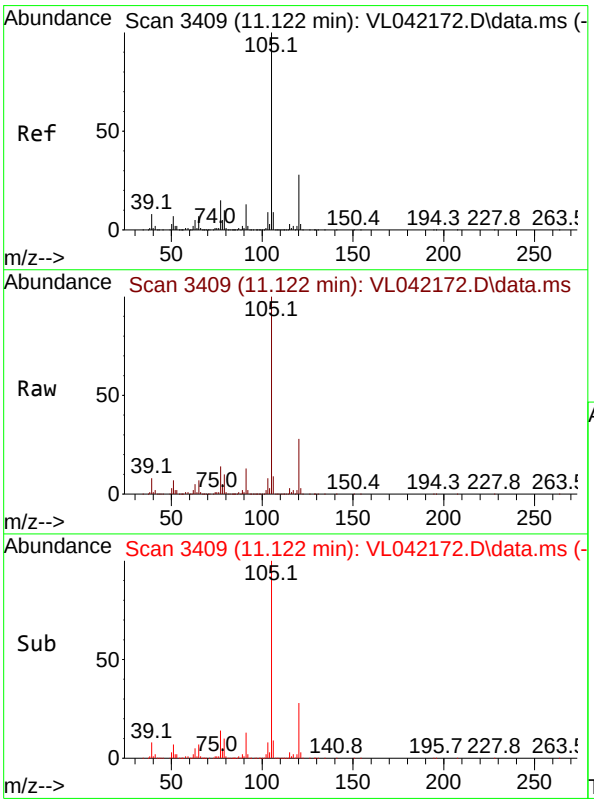
#71
2-Chlorotoluene
Concen: 9.320 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 799102

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.6	46.4

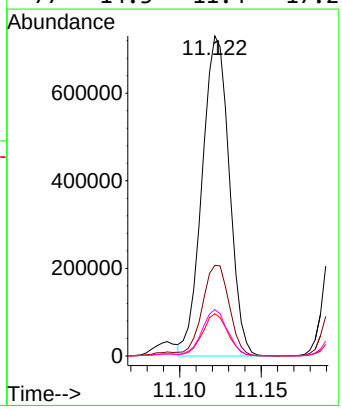


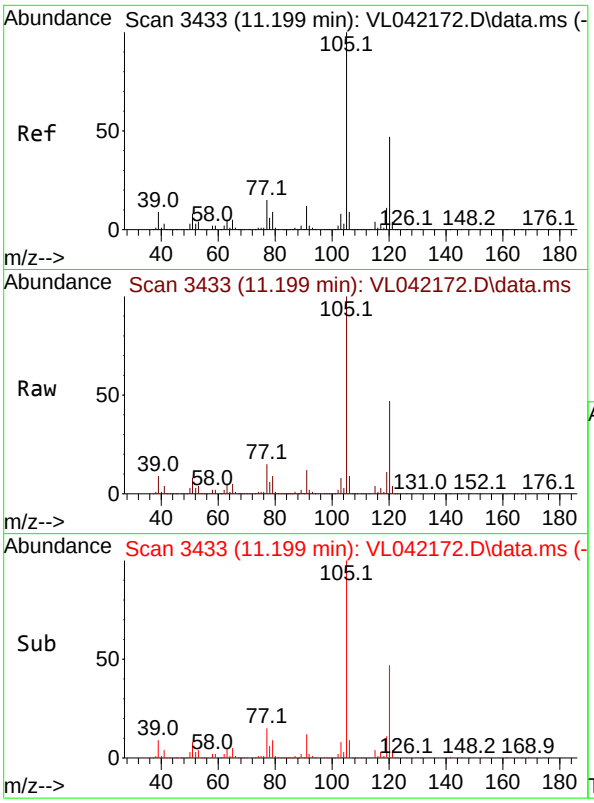


#72
4-Ethyltoluene
Concen: 9.200 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 846232

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.4	35.0
91	12.9	10.3	15.5
77	14.3	11.4	17.2



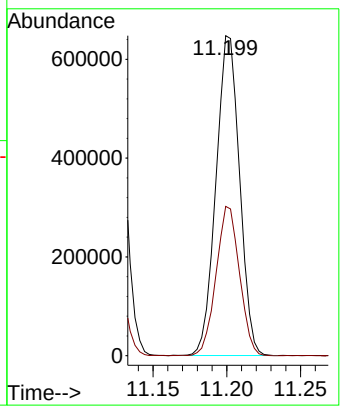


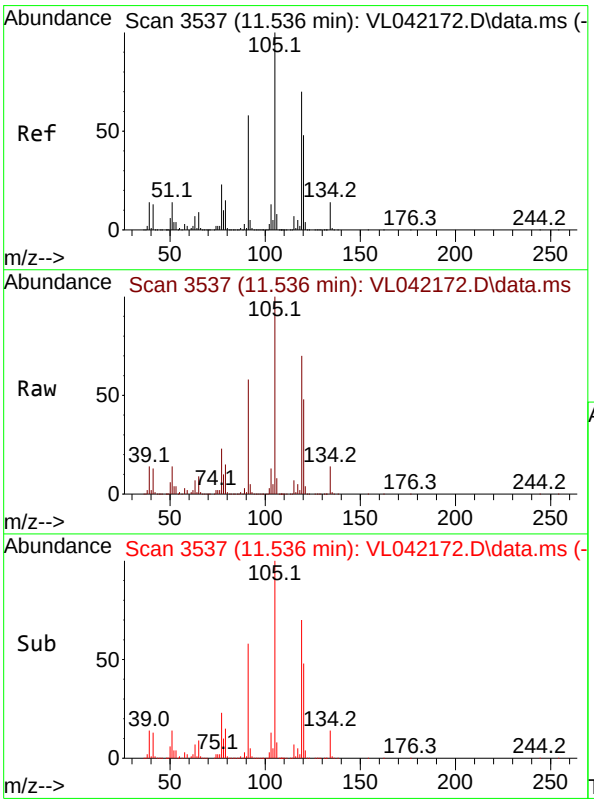
#73
1,3,5-Trimethylbenzene
Concen: 8.970 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 720566

Ion	Ratio	Lower	Upper
105	100		
120	46.7	37.4	56.0

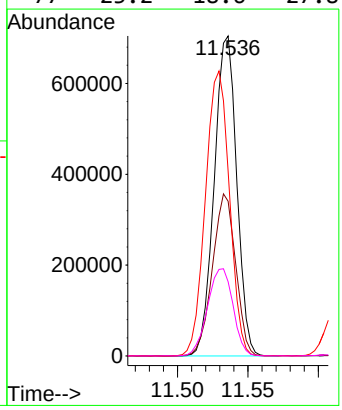


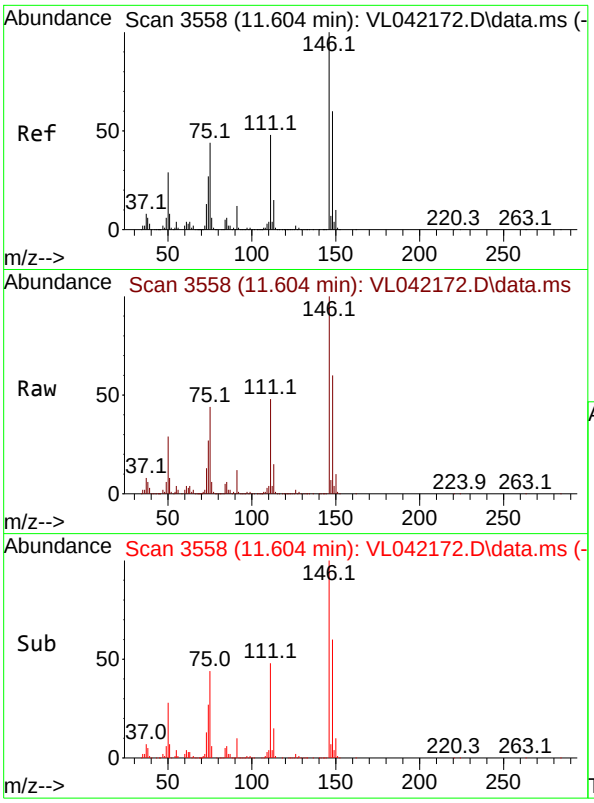


#74
1,2,4-Trimethylbenzene
Concen: 8.480 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 784745

Ion	Ratio	Lower	Upper
105	100		
120	48.3	38.6	58.0
91	57.7	46.2	69.2
77	23.2	18.6	27.8



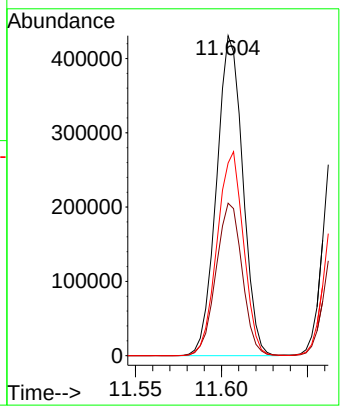


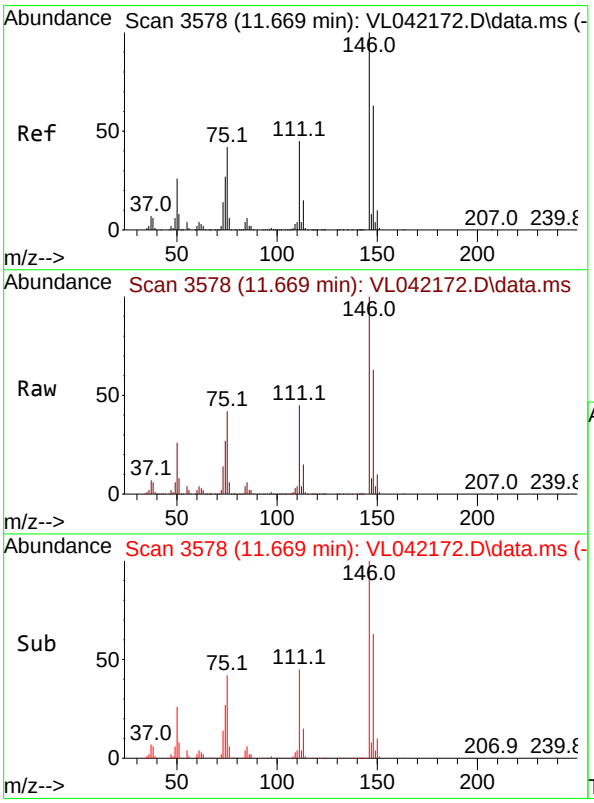
#75
1,3-Dichlorobenzene
Concen: 9.028 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 458226

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.9	31.9	95.9

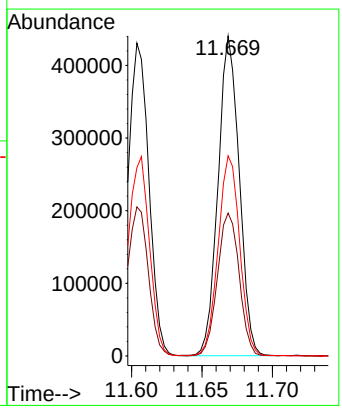


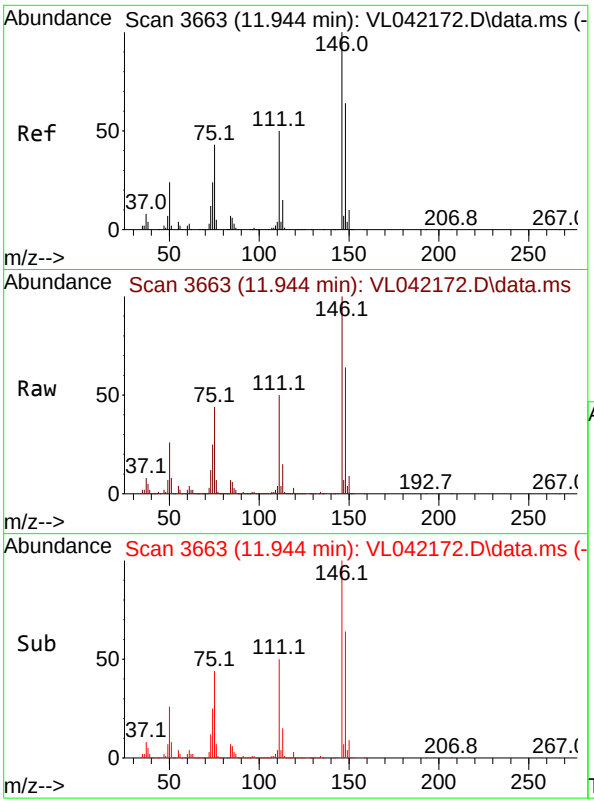


#76
1,4-Dichlorobenzene
Concen: 9.134 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:146 Resp: 461371

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.0	69.0
148	63.8	31.9	95.7



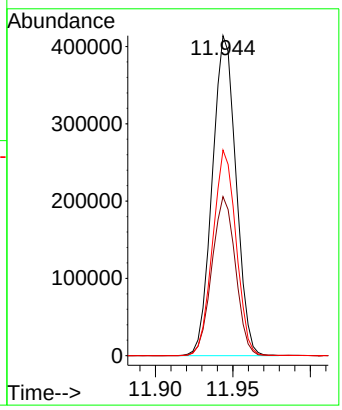


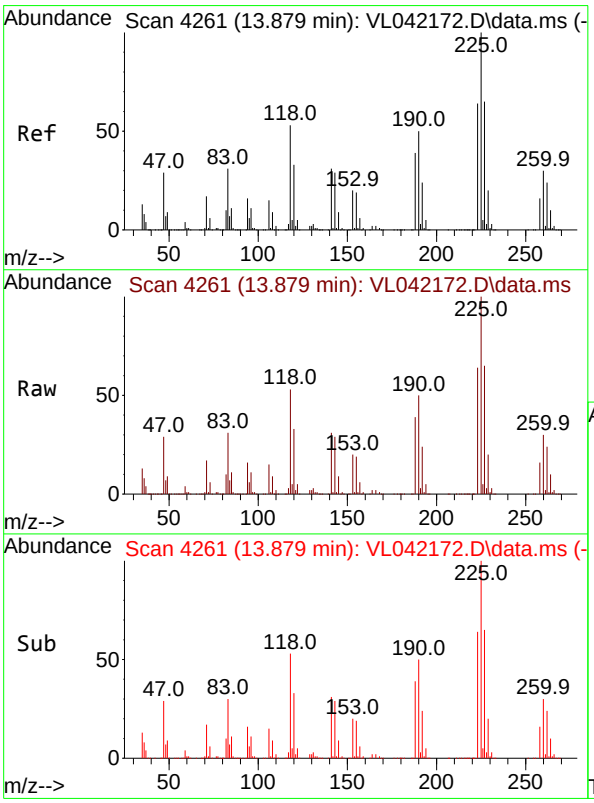
#77
1,2-Dichlorobenzene
Concen: 8.933 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 441473

Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.8	74.3
148	63.2	31.6	94.8

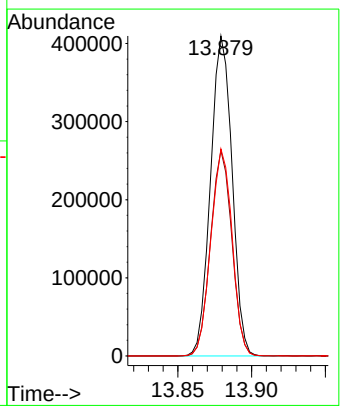


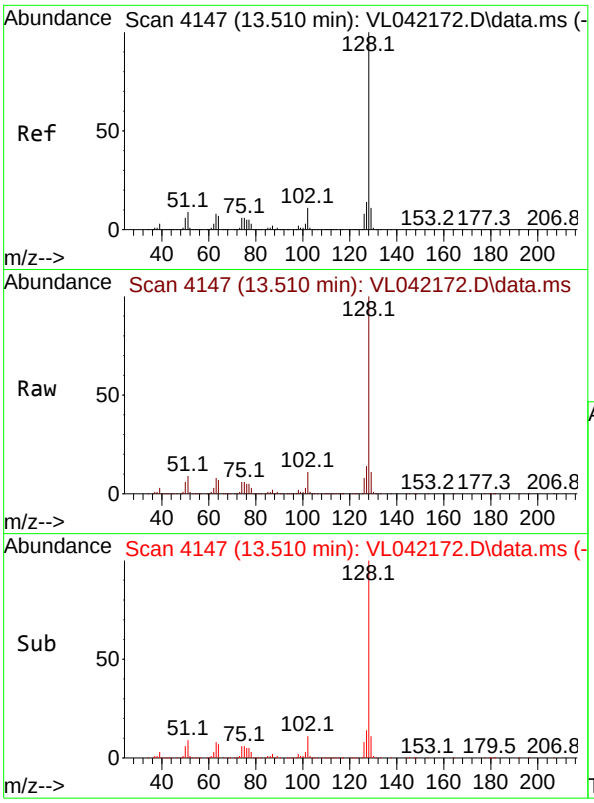


#78
Hexachloro-1,3-Butadiene
Concen: 8.284 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:225 Resp: 416735

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	64.0	51.2	76.8



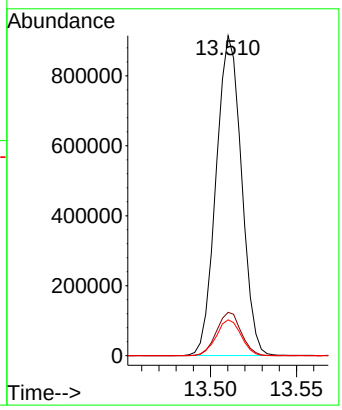


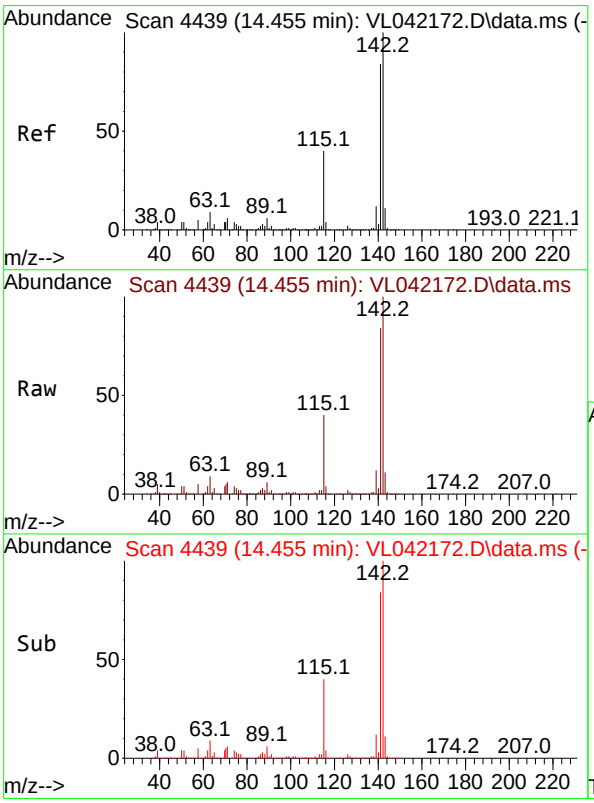
#79
Naphthalene
Concen: 9.271 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 938470

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	9.0	13.4

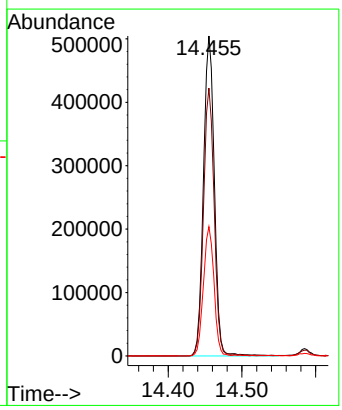


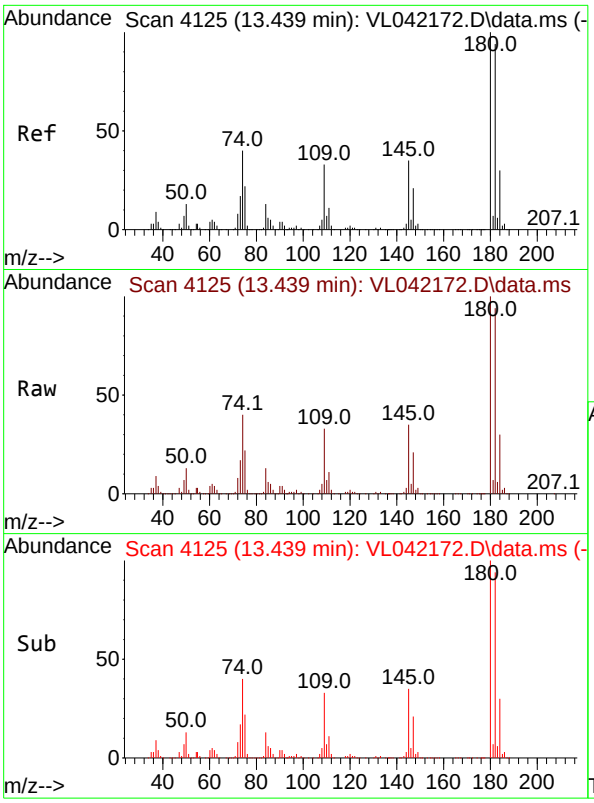


#80
Naphthalene,2-methyl-
Concen: 10.436 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:142 Resp: 514394

Ion	Ratio	Lower	Upper
142	100		
141	82.9	66.3	99.5
115	39.5	31.6	47.4



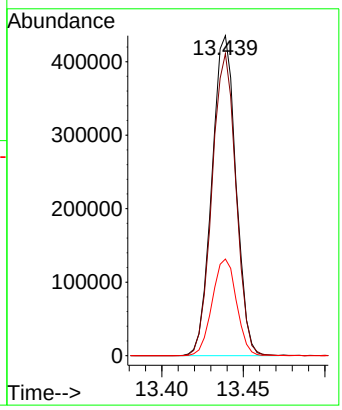


#81
1,2,4-Trichlorobenzene
Concen: 9.561 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 446420

Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.1	112.7
184	30.5	24.4	36.6



Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	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	1827	1.822	ppbv	#	49
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	14008	1.369	ppbv	#	2
41) Tetrahydrofuran	3.056	42	47262	2.097	ppbv		99
42) Bromodichloromethane	4.483	83	87640	2.050	ppbv		99
43) Methyl Methacrylate	4.878	69	44624	1.952	ppbv		97
44) 2,2,4-Trimethylpentane	4.632	57	188282	2.057	ppbv		100
45) t-1,3-Dichloropropene	6.406	75	49461	2.011	ppbv		99

Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

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	167182	2.333	ppbv	#	31
60) o-Xylene	9.959	91	151292	2.109	ppbv		98
61) Styrene	9.865	104	74134	2.089	ppbv		98
62) Isopropylbenzene	10.535	105	228191	2.127	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.956	83	90114	2.067	ppbv		99
64) n-propylbenzene	10.985	120	58105	2.104	ppbv		92
65) tert-Butylbenzene	11.529	119	216336	2.180	ppbv		99
66) Benzyl Chloride	11.610	91	22272	2.116	ppbv		95
67) sec-Butylbenzene	11.762	105	297381	2.156	ppbv		99
69) p-Isopropyltoluene	11.921	119	258357	2.176	ppbv		100
70) n-Butylbenzene	12.277	91	270616	2.228	ppbv		99
71) 2-Chlorotoluene	10.898	91	177487	2.132	ppbv		100
72) 4-Ethyltoluene	11.121	105	194660	2.179	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	169221	2.169	ppbv		96
74) 1,2,4-Trimethylbenzene	11.532	105	198351	2.207	ppbv		96
75) 1,3-Dichlorobenzene	11.604	146	107217	2.175	ppbv		97
76) 1,4-Dichlorobenzene	11.668	146	104925	2.139	ppbv		99
77) 1,2-Dichlorobenzene	11.943	146	102310	2.132	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	109539	2.242	ppbv		99
79) Naphthalene	13.510	128	233451	2.375	ppbv		97
80) Naphthalene,2-methyl-	14.455	142	117313	2.451	ppbv		99
81) 1,2,4-Trichlorobenzene	13.435	180	103765	2.288	ppbv		97

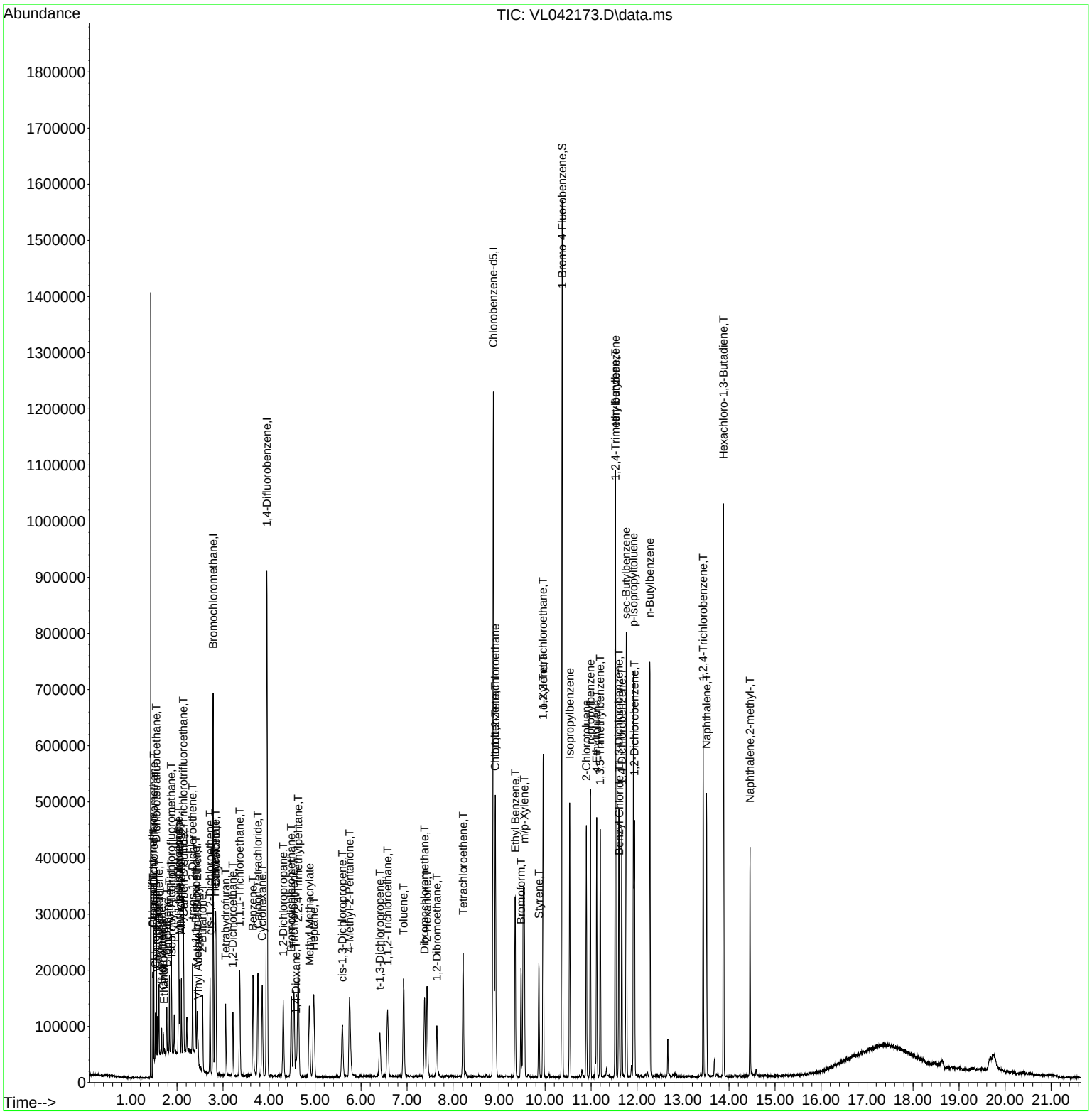
(#) = qualifier out of range (m) = manual integration (+) = signals summed

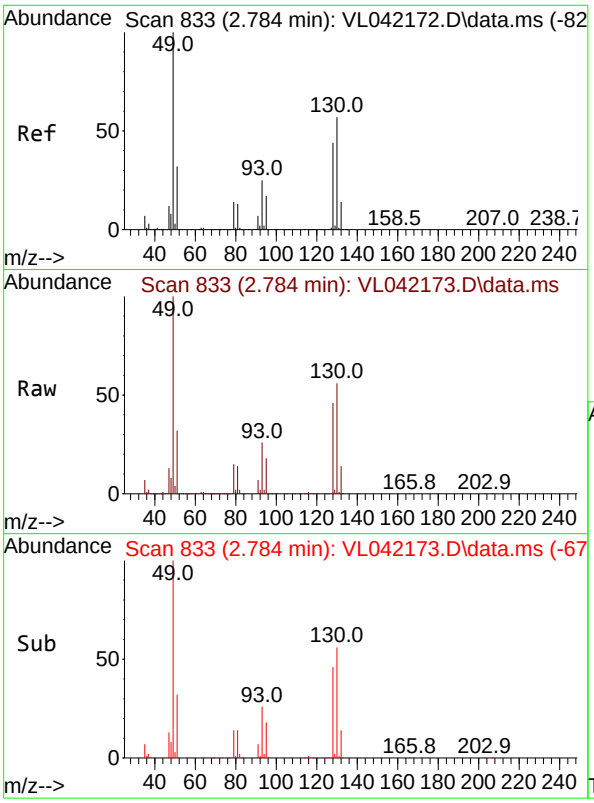
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration



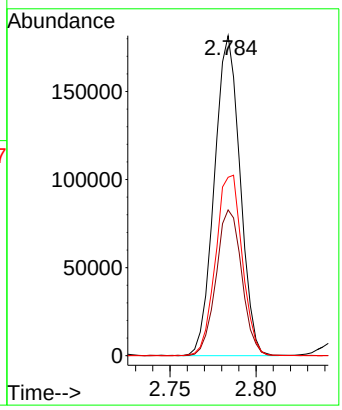


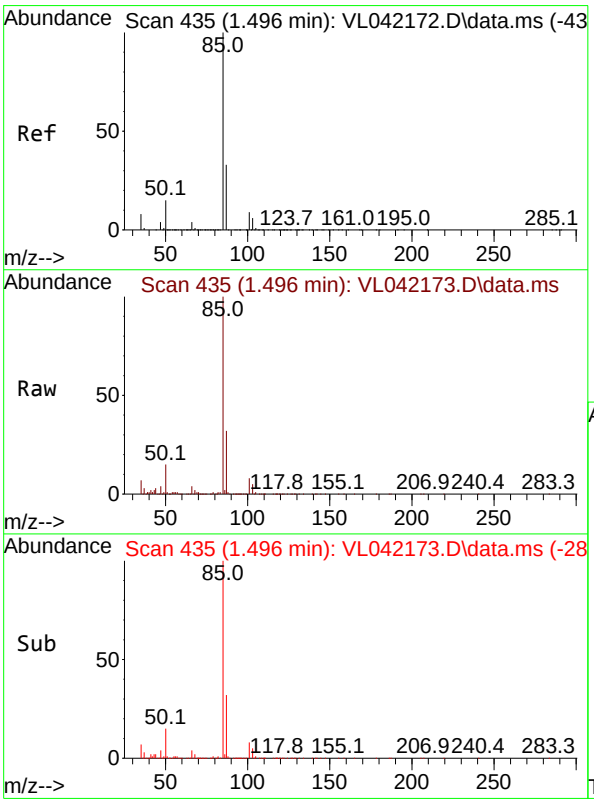
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 188395

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	58.5	28.8	86.4

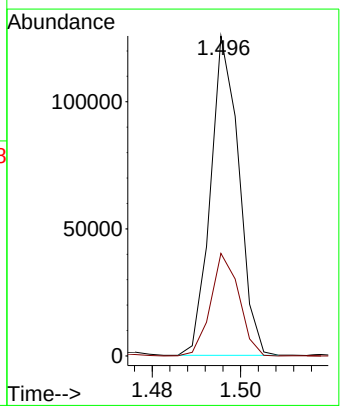


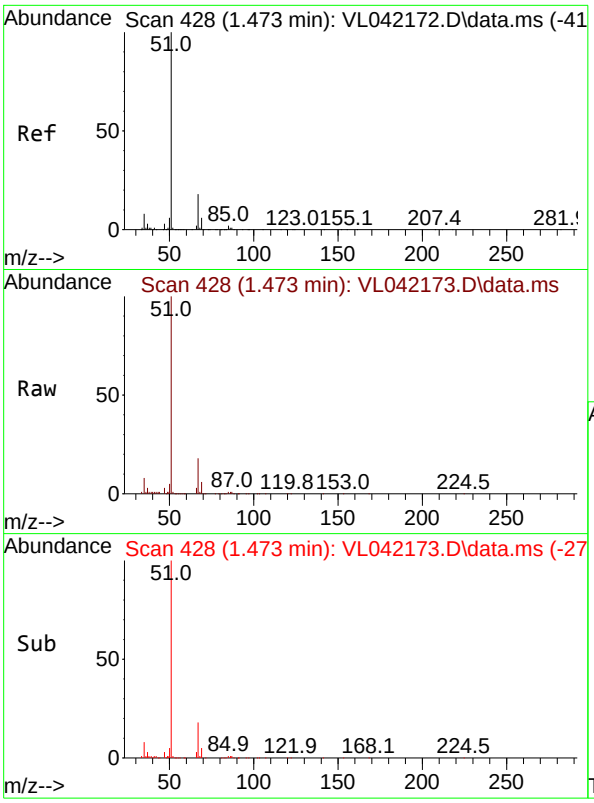


#2
Dichlorodifluoromethane
Concen: 2.008 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 55859

Ion	Ratio	Lower	Upper
85	100		
87	32.1	26.1	39.1



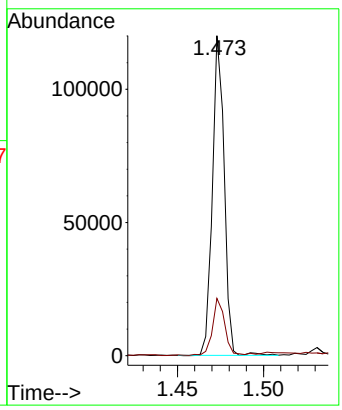


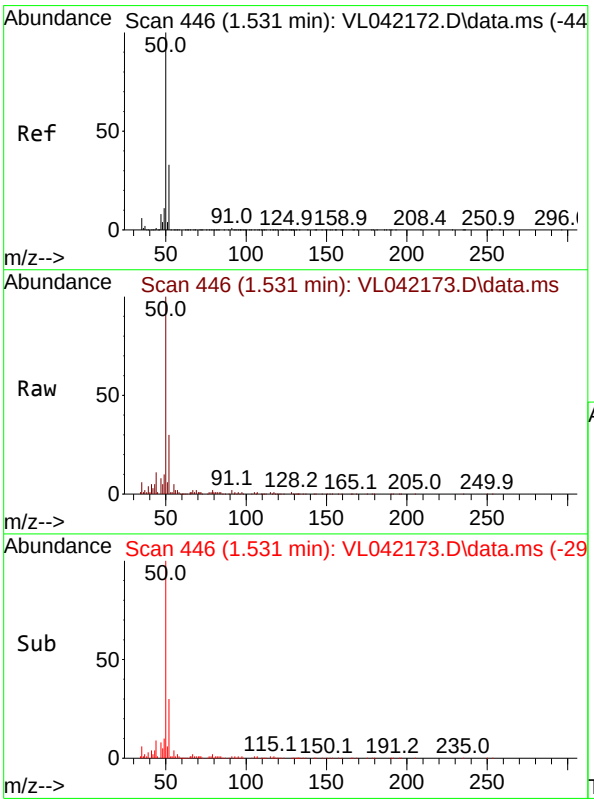
#3
Chlorodifluoromethane
Concen: 2.007 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 57045

Ion	Ratio	Lower	Upper
51	100		
67	19.4	15.0	22.6

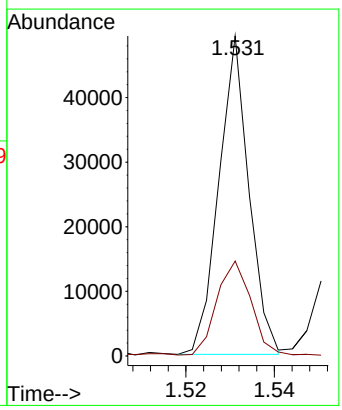


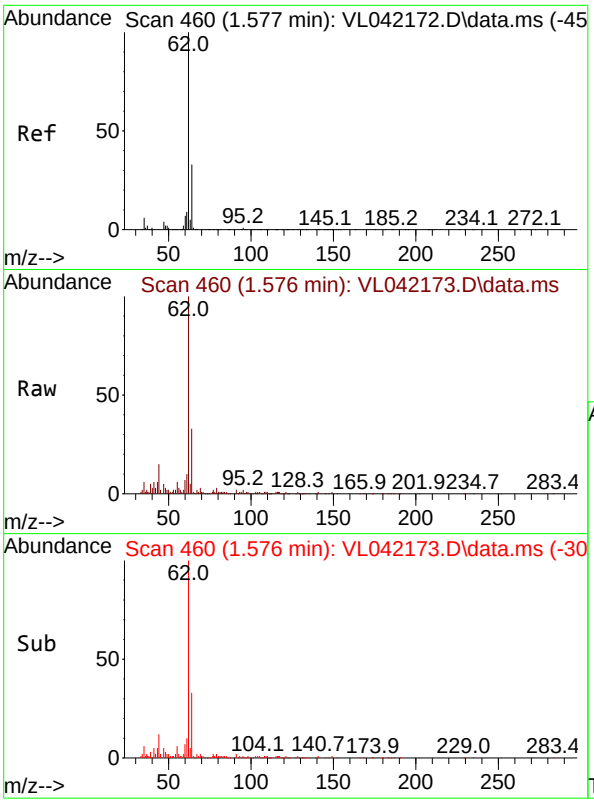


#4
Chloromethane
Concen: 2.049 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 50 Resp: 23293

Ion	Ratio	Lower	Upper
50	100		
52	29.5	26.1	39.1



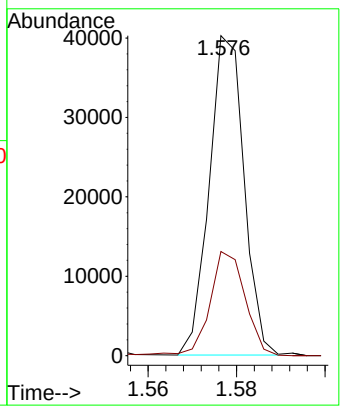


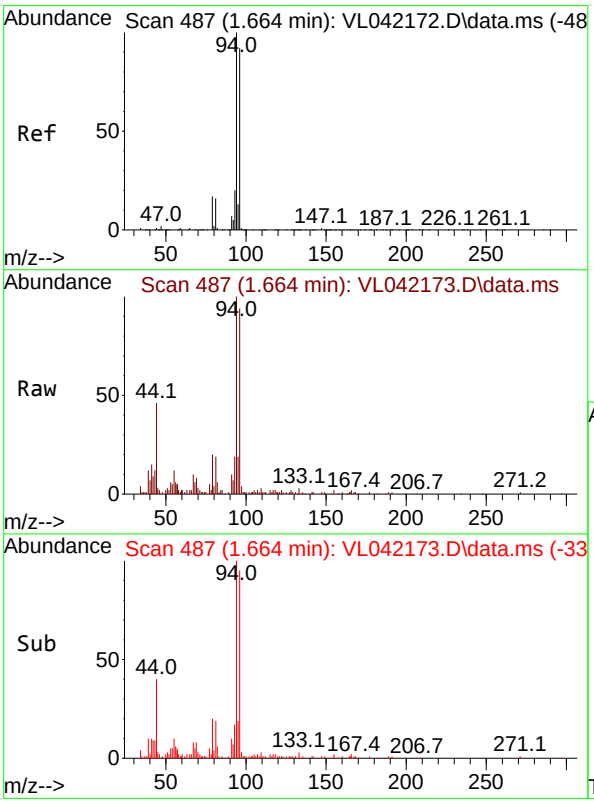
#5
Vinyl Chloride
Concen: 1.897 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 21989

Ion	Ratio	Lower	Upper
62	100		
64	32.5	26.6	40.0

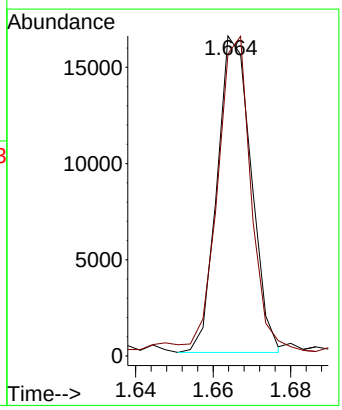


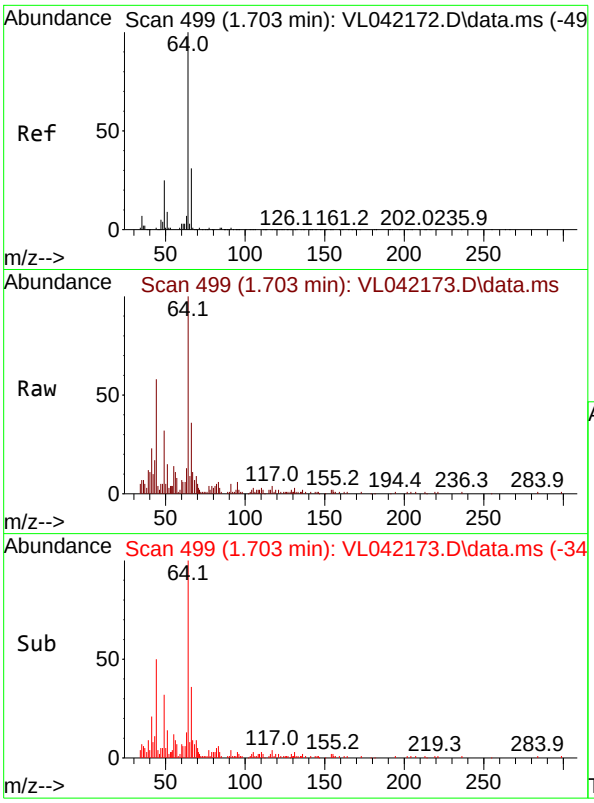


#6
Bromomethane
Concen: 1.946 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 94 Resp: 10027

Ion	Ratio	Lower	Upper
94	100		
96	93.6	73.1	109.7



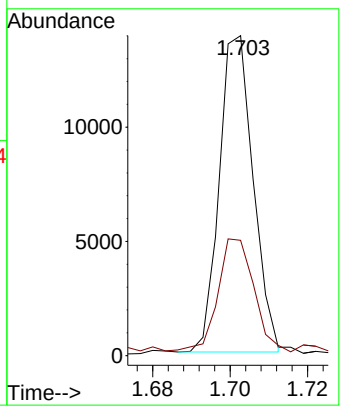


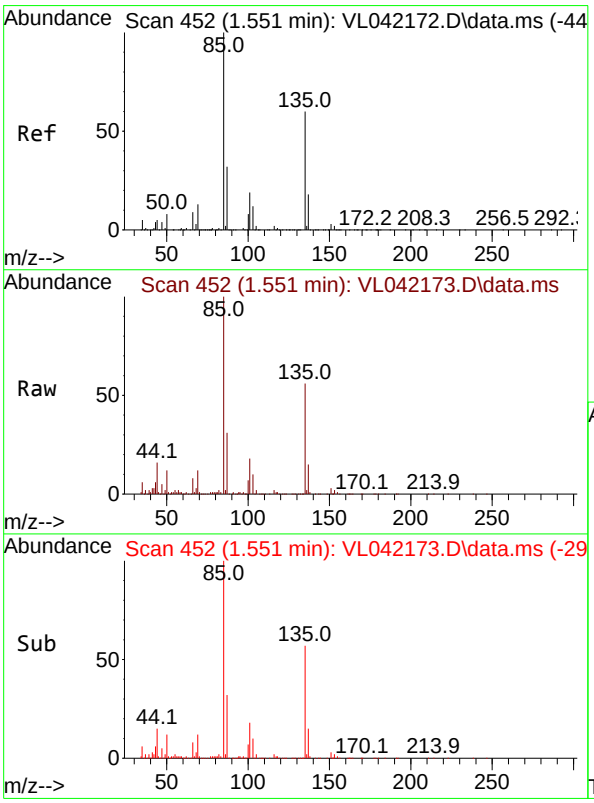
#7
Chloroethane
Concen: 1.844 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 8413

Ion	Ratio	Lower	Upper
64	100		
66	36.1	25.2	37.8

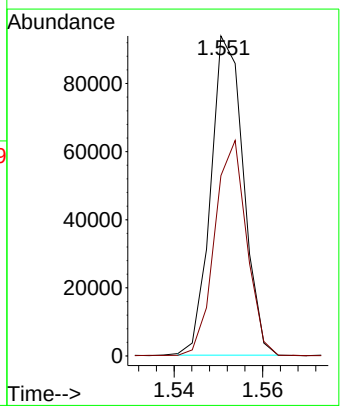


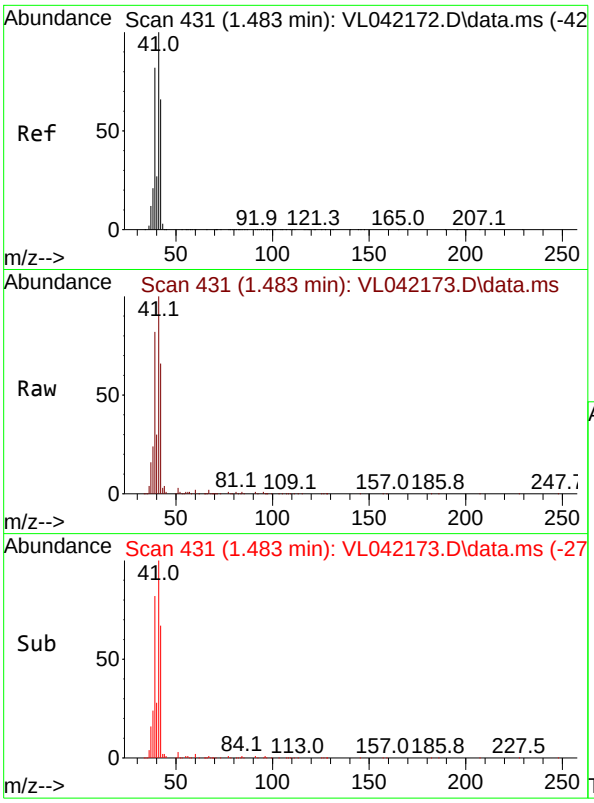


#8
Dichlorotetrafluoroethane
Concen: 2.027 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 48008

Ion	Ratio	Lower	Upper
85	100		
135	66.8	52.4	78.6



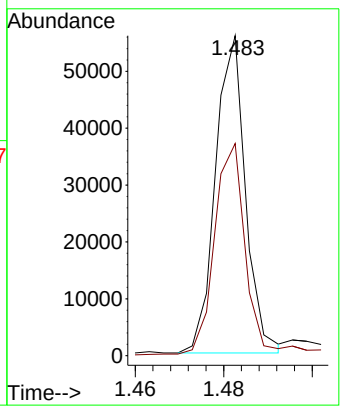


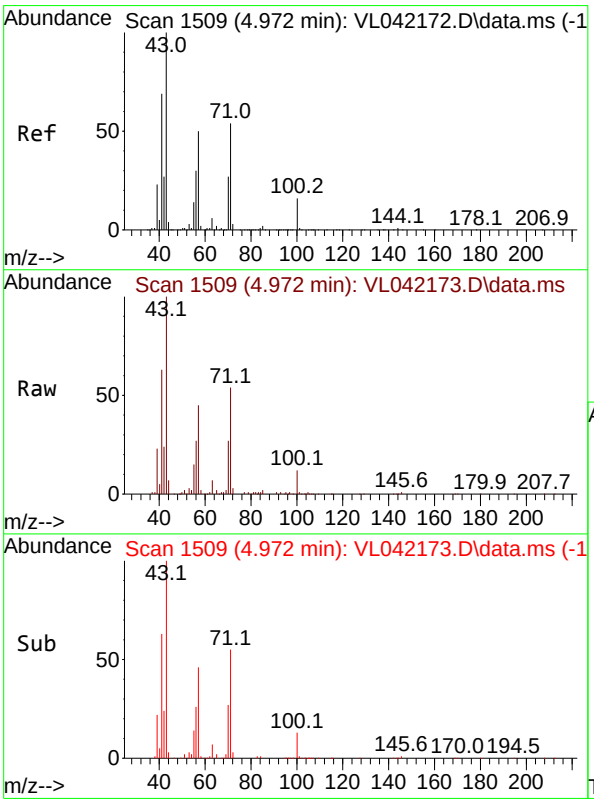
#9
Propene
Concen: 2.054 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 26295

Ion	Ratio	Lower	Upper
41	100		
42	73.9	55.4	83.2

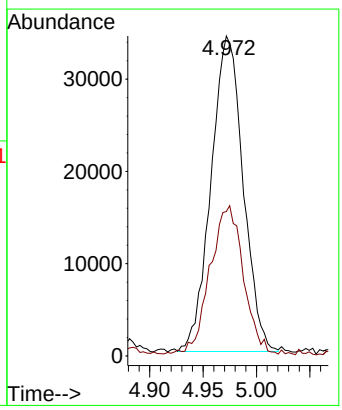


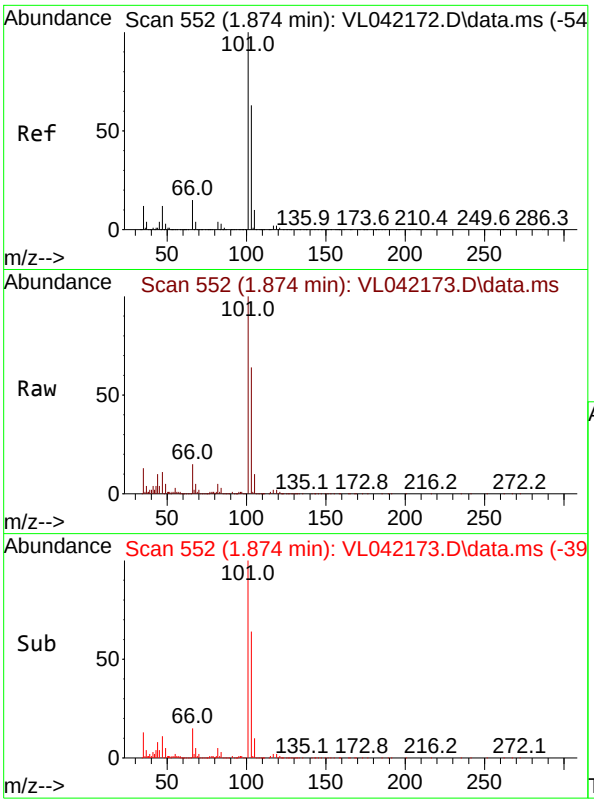


#10
Heptane
Concen: 2.063 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 71466

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.4	59.2



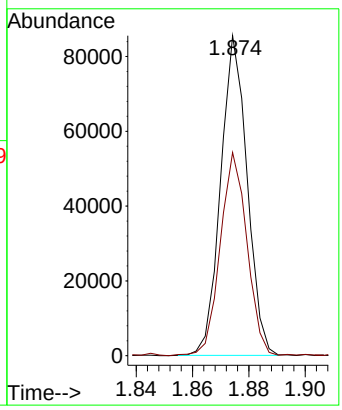


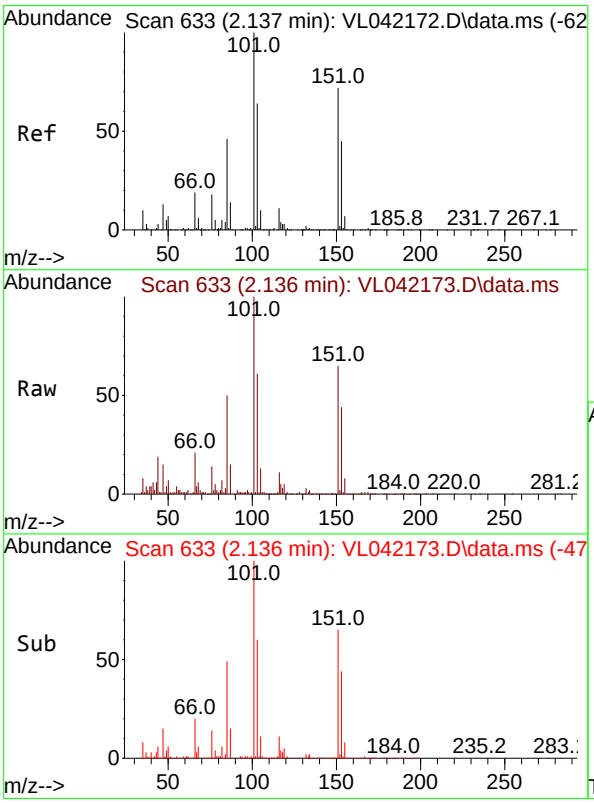
#11
Trichlorofluoromethane
Concen: 2.060 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 55754

Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.2	75.2

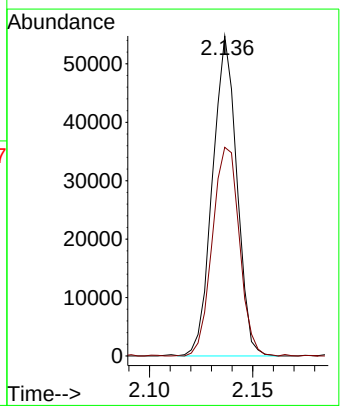


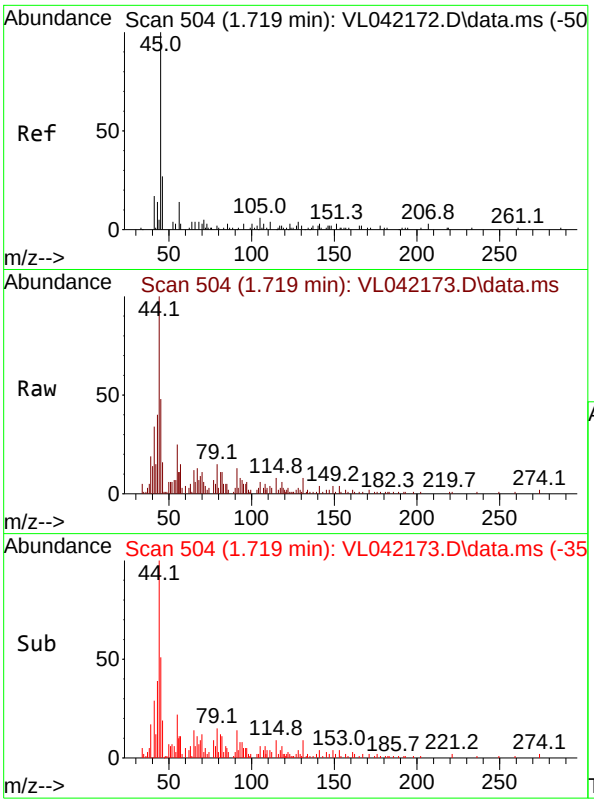


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.012 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:101 Resp: 44761

Ion	Ratio	Lower	Upper
101	100		
151	73.0	57.1	85.7



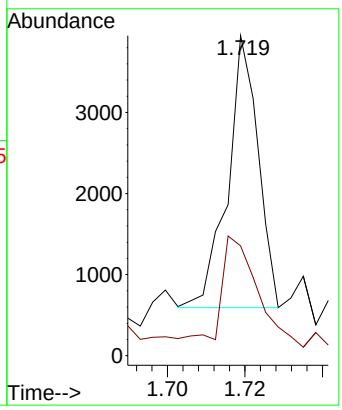


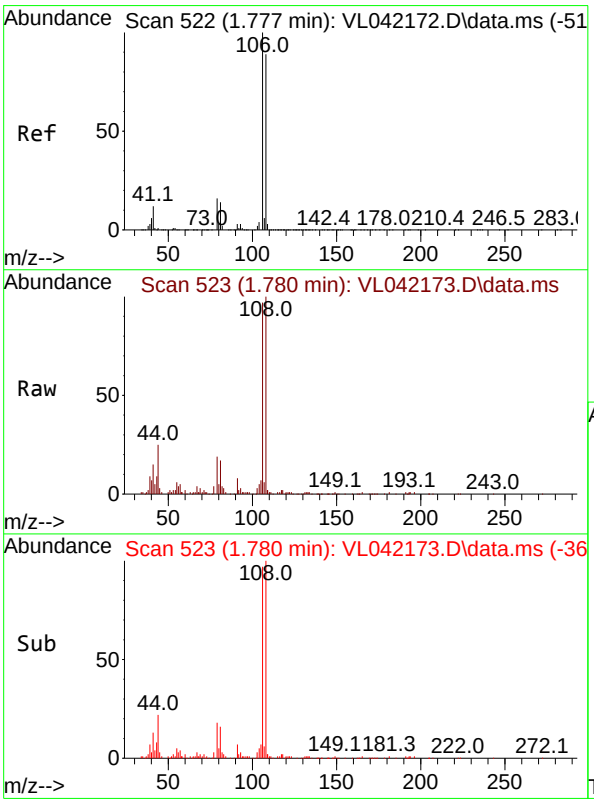
#13
Ethanol
Concen: 1.822 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 1827

Ion	Ratio	Lower	Upper
45	100		
46	85.6	20.2	80.8#

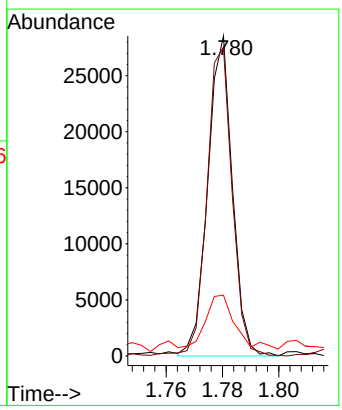


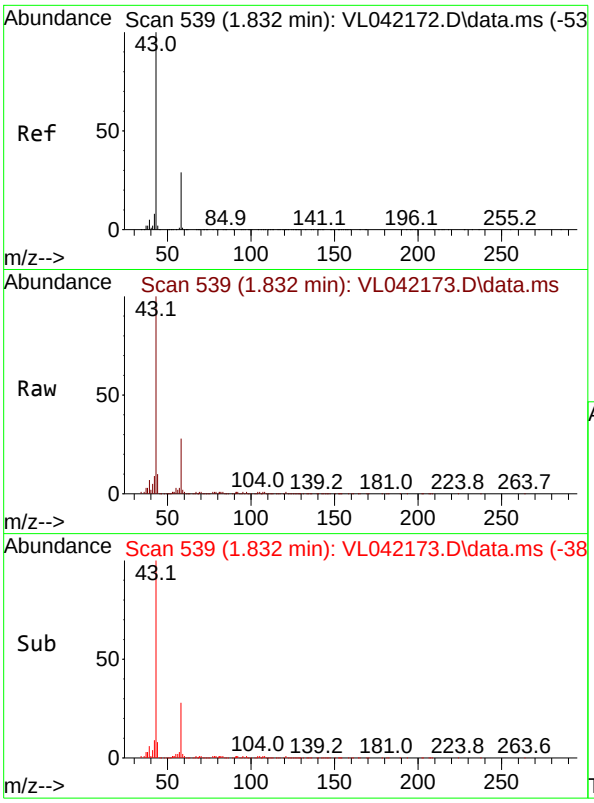


#14
Bromoethene
Concen: 2.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:108 Resp: 17323

Ion	Ratio	Lower	Upper
108	100		
106	100.6	86.8	130.2
79	32.0	15.0	22.6#



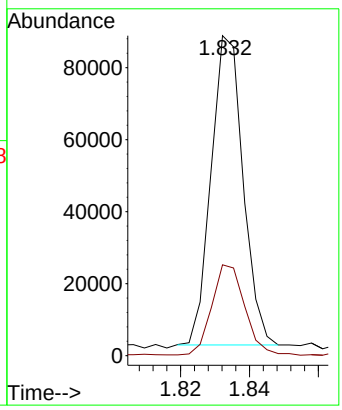


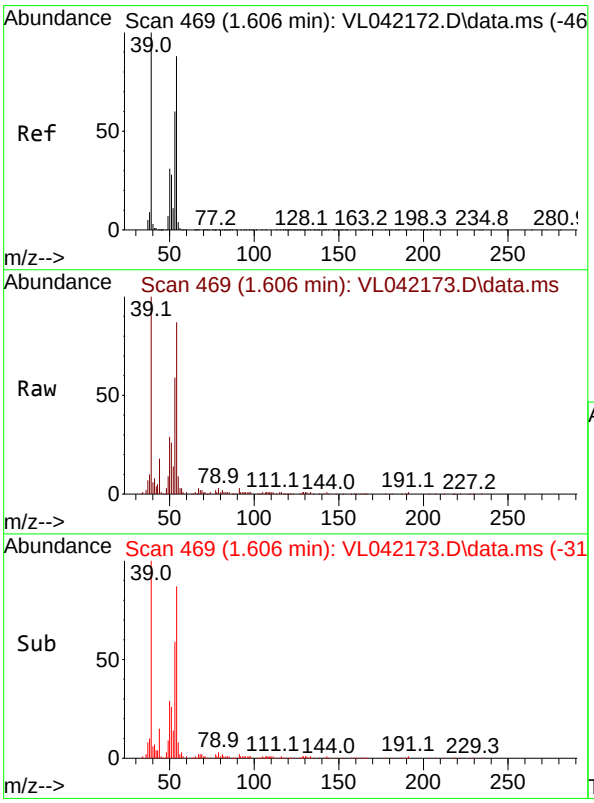
#15
Acetone
Concen: 2.101 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 55365

Ion	Ratio	Lower	Upper
43	100		
58	31.8	23.2	34.8

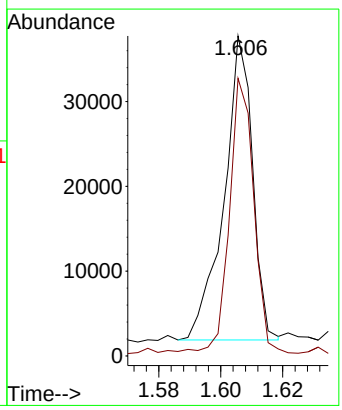


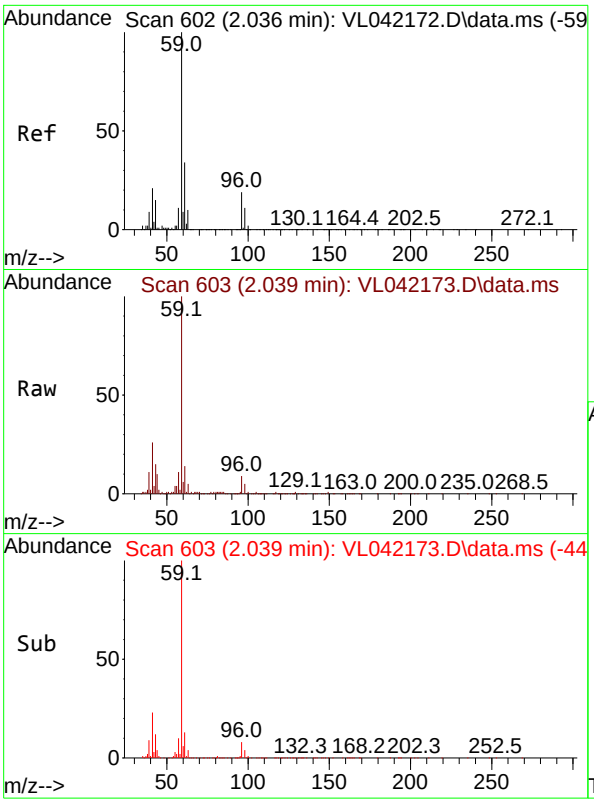


#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 39 Resp: 22894

Ion	Ratio	Lower	Upper
39	100		
54	79.9	60.7	91.1



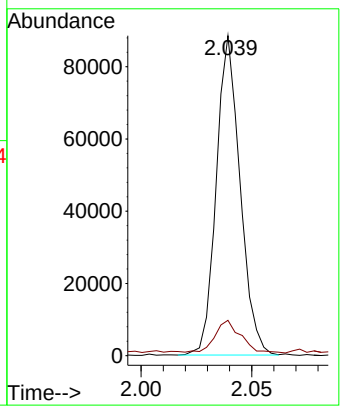


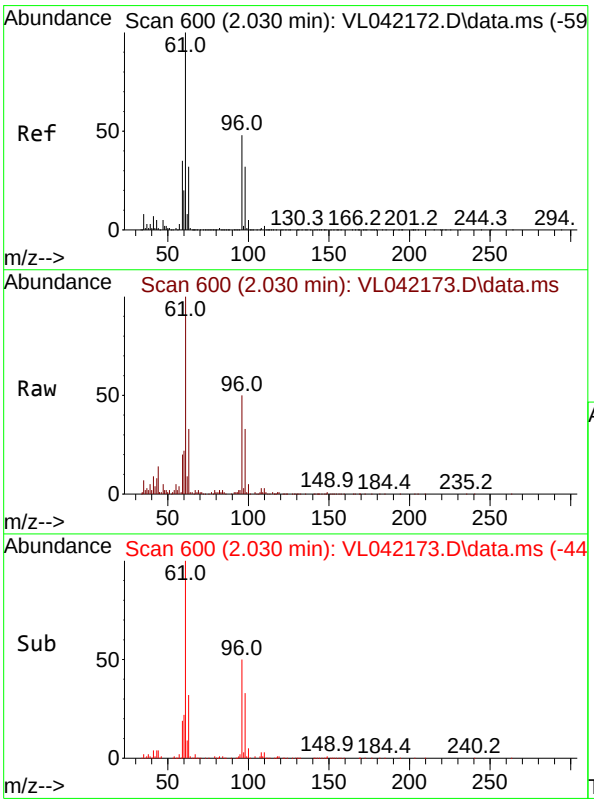
#17
tert-Butyl alcohol
Concen: 2.016 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 66174

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.9	13.3

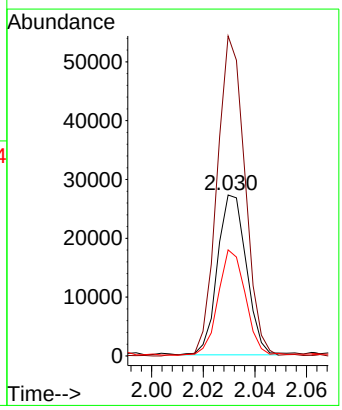


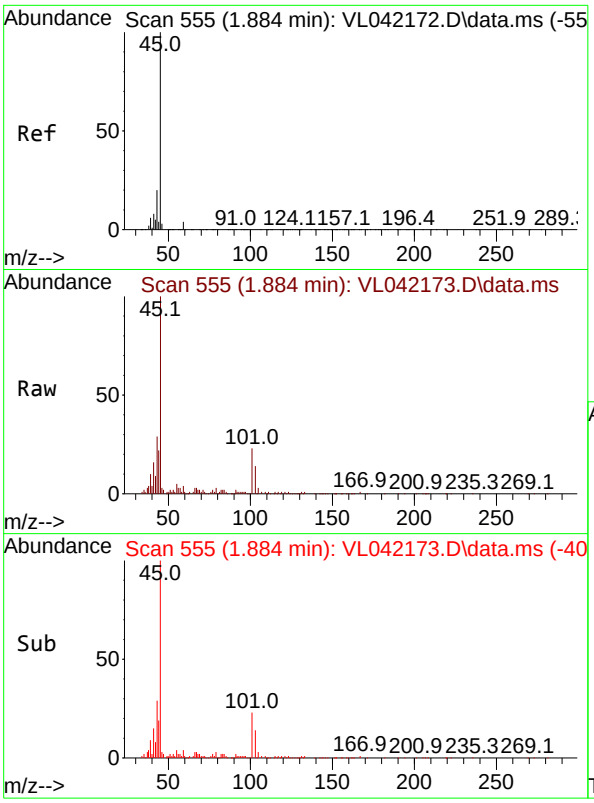


#18
1,1-Dichloroethene
Concen: 2.029 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 21103

Ion	Ratio	Lower	Upper
96	100		
61	199.8	167.6	251.4
98	66.0	53.5	80.3



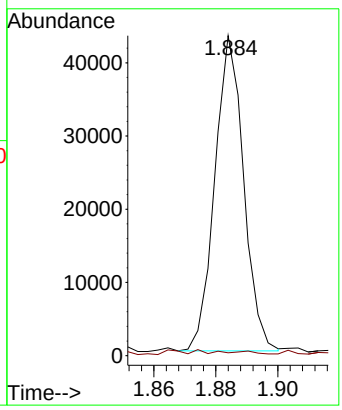


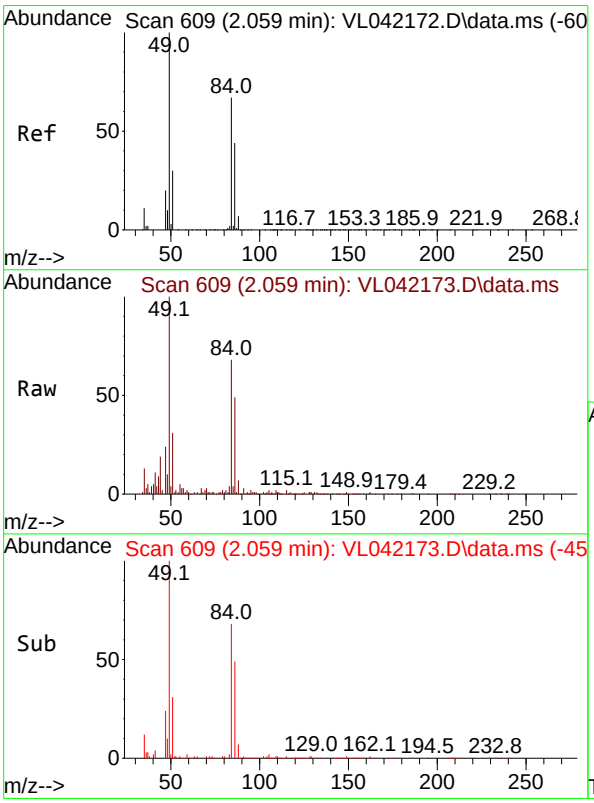
#19
Isopropyl Alcohol
Concen: 1.870 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 27804

Ion	Ratio	Lower	Upper
45	100		
58	3.3	36.9	55.3#

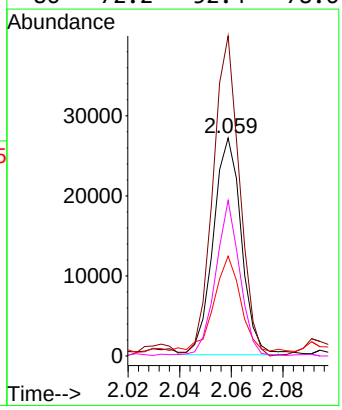


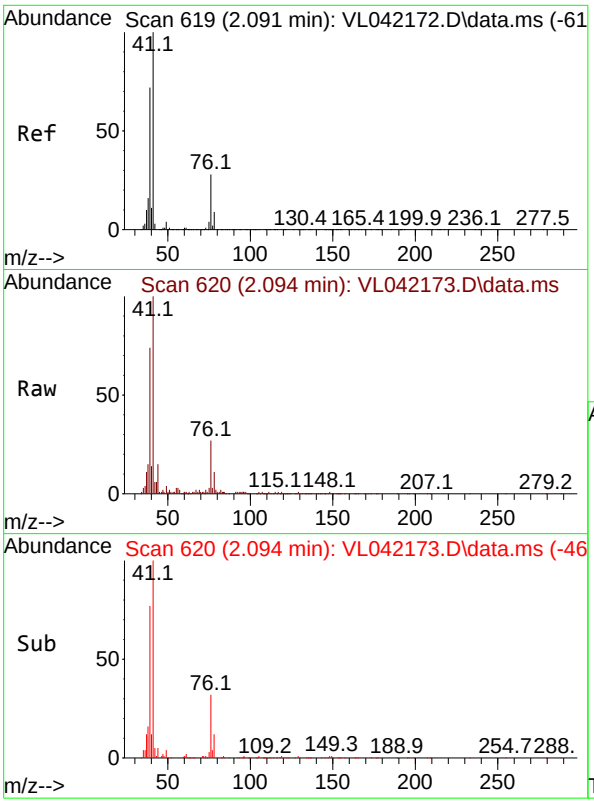


#20
Methylene Chloride
Concen: 2.091 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 20518

Ion	Ratio	Lower	Upper
84	100		
49	148.8	120.2	180.4
51	43.5	37.4	56.0
86	72.2	52.4	78.6



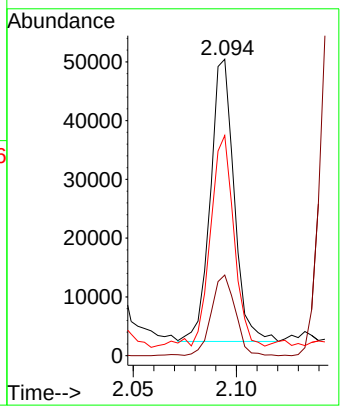


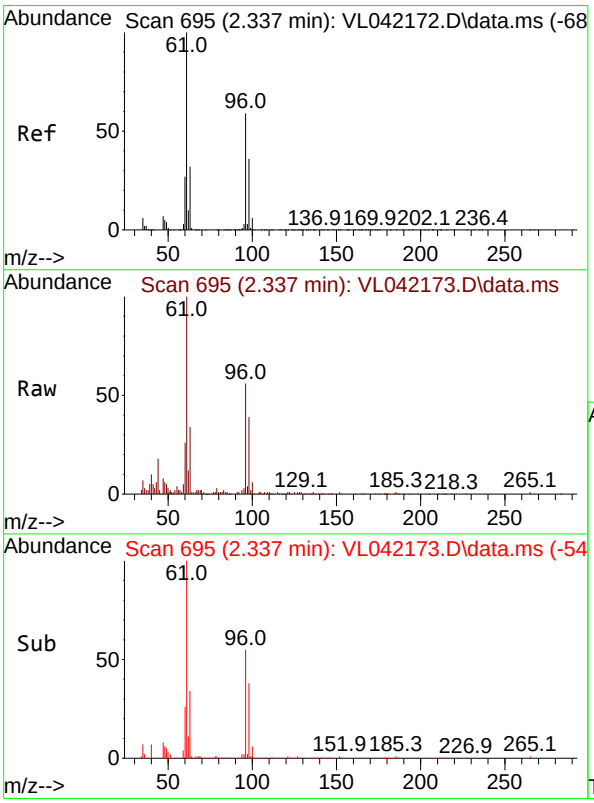
#21
Allyl Chloride
Concen: 2.068 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 38425

Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.1	36.1
39	77.5	61.1	91.7

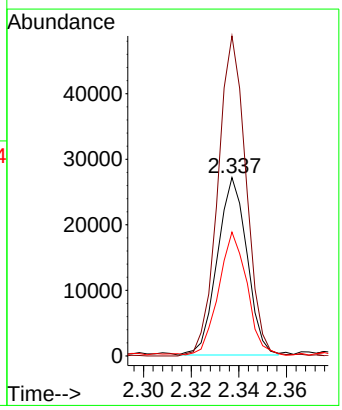


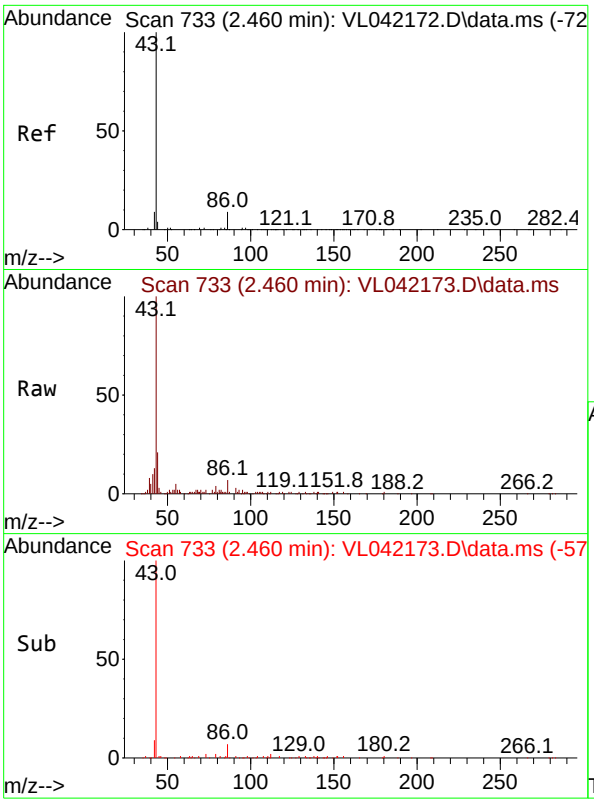


#22
trans-1,2-Dichloroethene
Concen: 1.924 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 23384

Ion	Ratio	Lower	Upper
96	100		
61	180.3	136.6	204.8
98	68.6	49.4	74.2



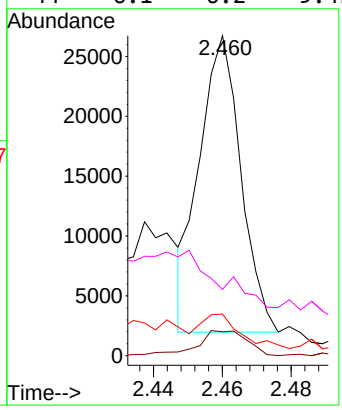


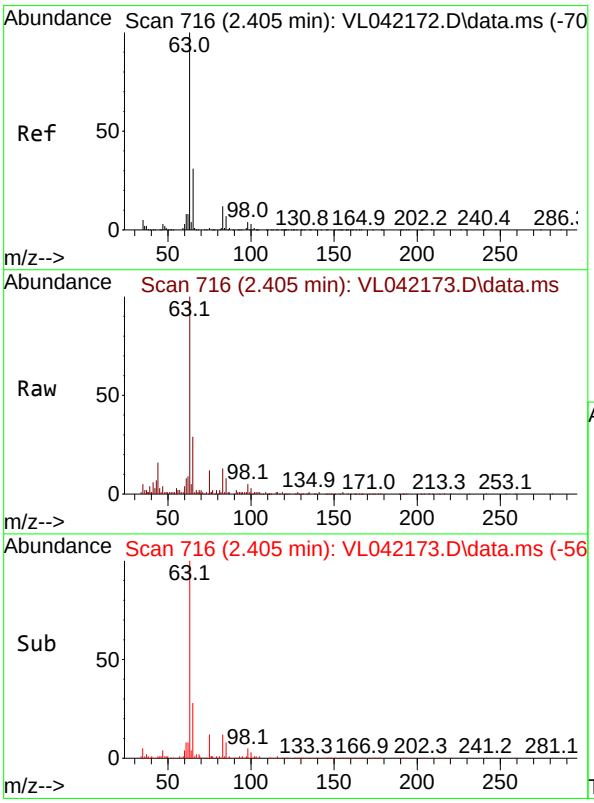
#23
Vinyl Acetate
Concen: 1.894 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 20736

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.4	8.6	13.0
44	6.1	6.2	9.4#

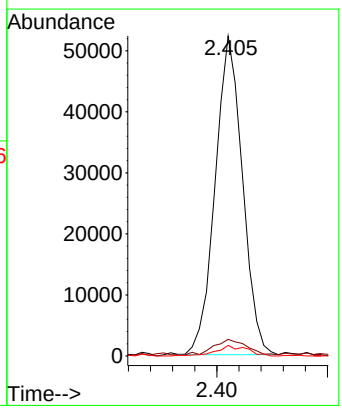


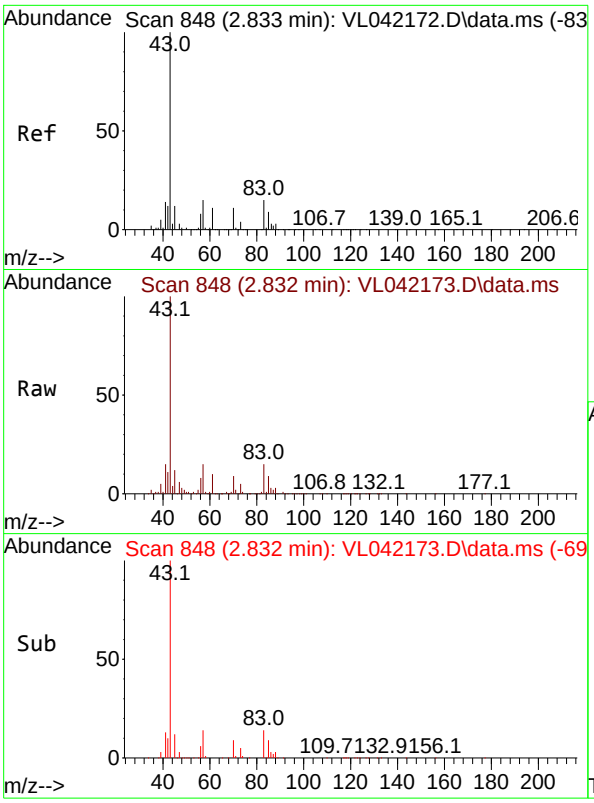


#24
1,1-Dichloroethane
Concen: 2.008 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 63 Resp: 44740

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	3.3	1.6	4.7



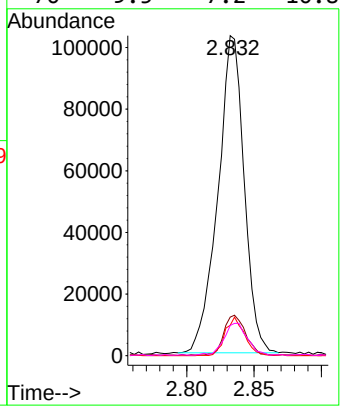


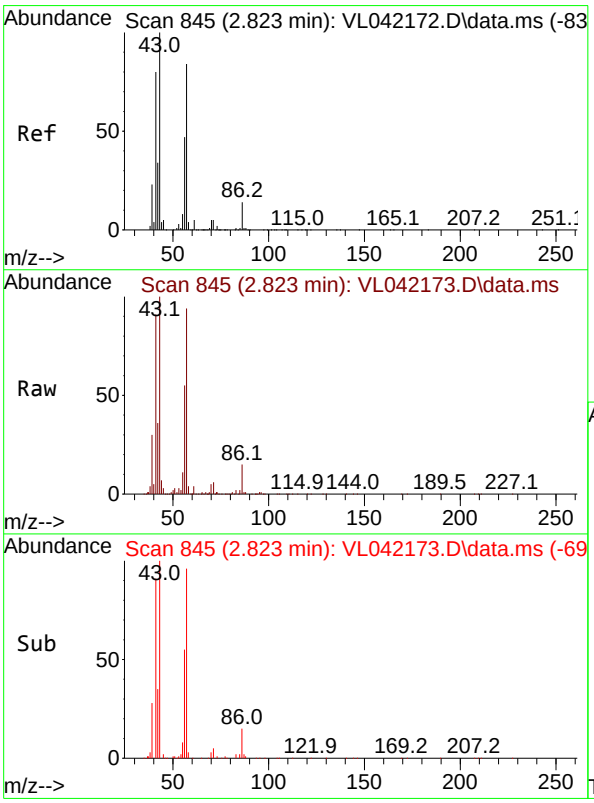
#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 139516

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.2	12.2
61	9.1	7.3	10.9
70	9.5	7.2	10.8

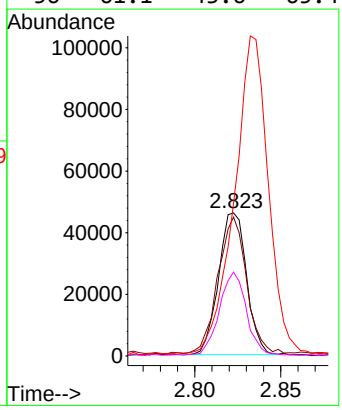


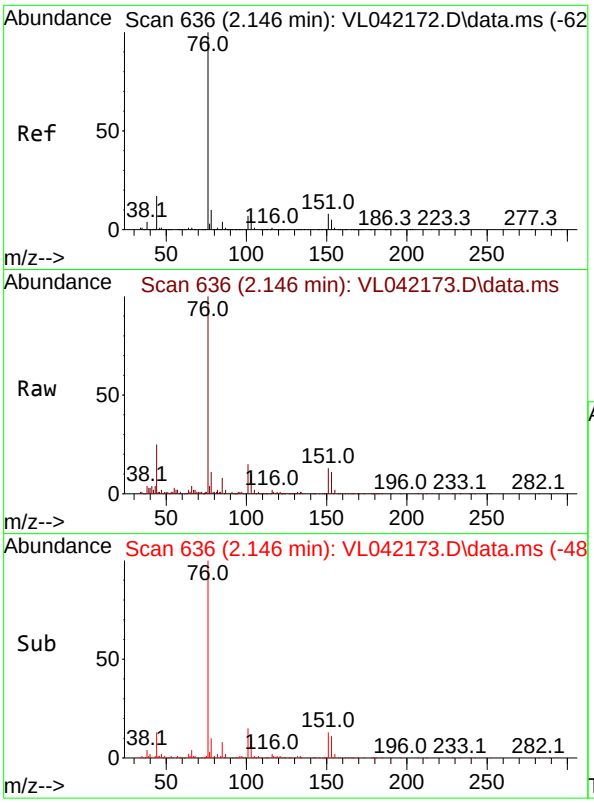


#26
Hexane
Concen: 1.972 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 57 Resp: 52095

Ion	Ratio	Lower	Upper
57	100		
41	100.9	76.6	114.8
43	274.8	207.8	311.8
56	61.1	43.6	65.4



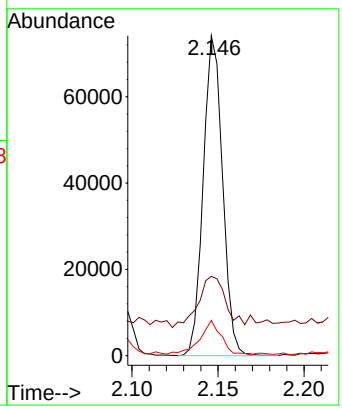


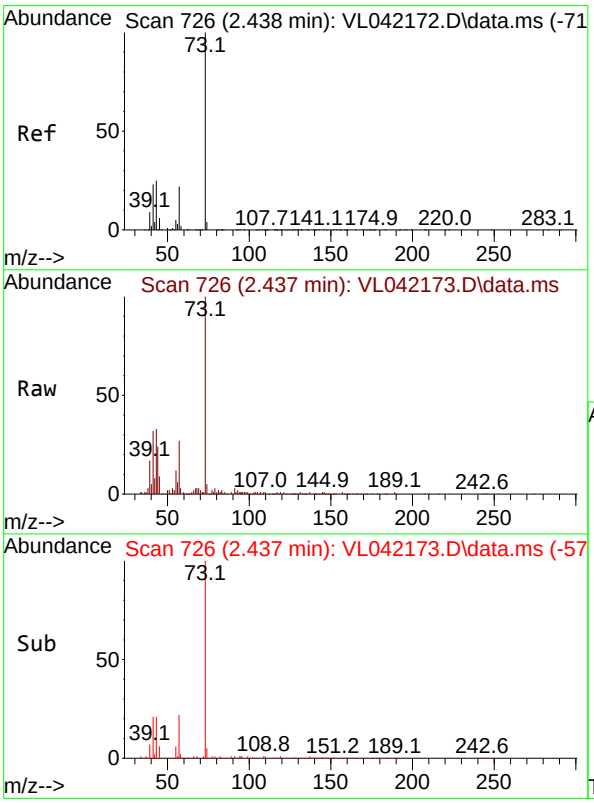
#27
Carbon Disulfide
Concen: 2.047 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 57969

Ion	Ratio	Lower	Upper
76	100		
44	35.2	14.7	22.1#
78	12.0	9.3	13.9

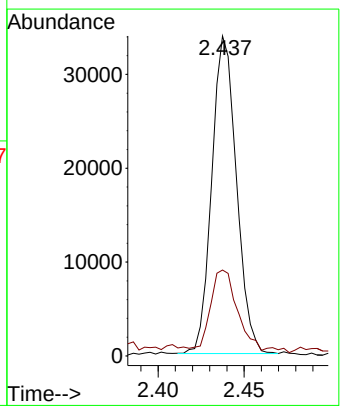


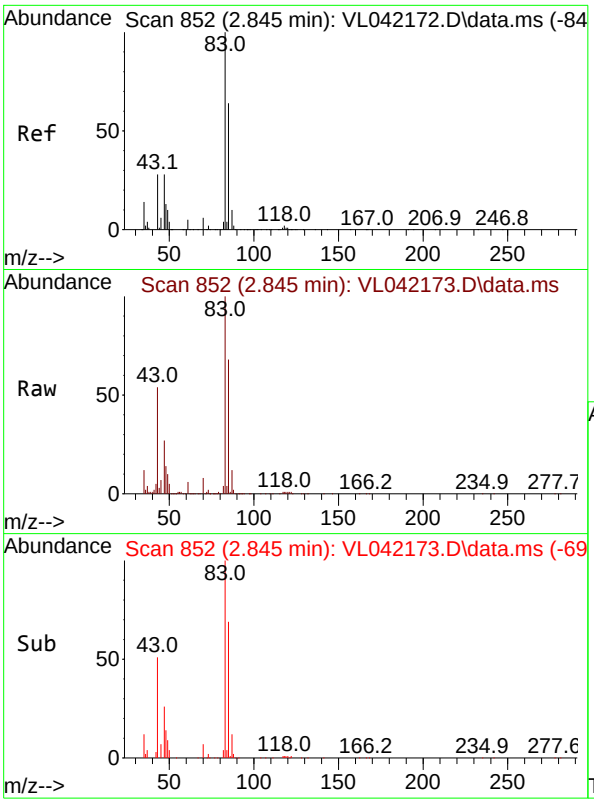


#28
Methyl tert-Butyl Ether
Concen: 2.049 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 73 Resp: 33703

Ion	Ratio	Lower	Upper
73	100		
57	25.2	20.5	30.7



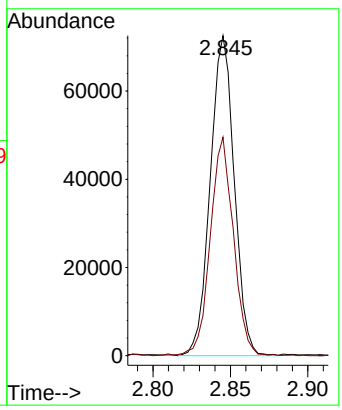


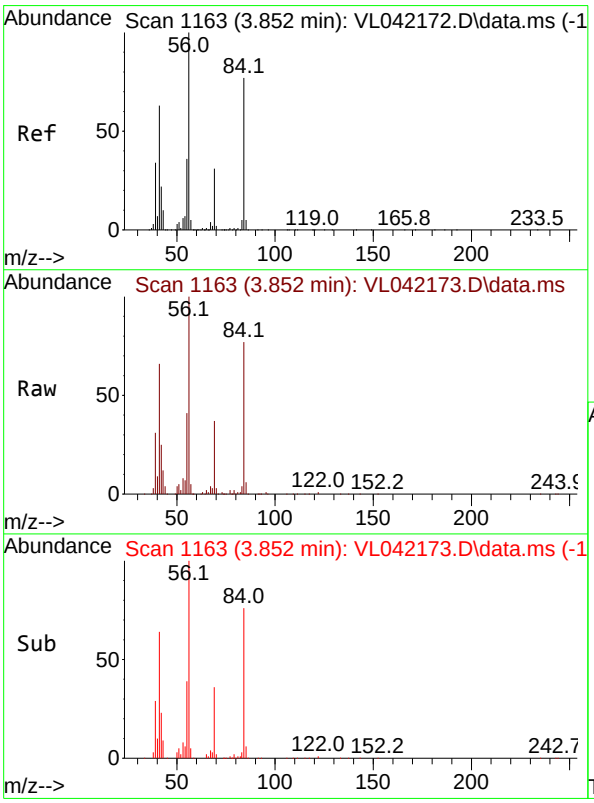
#29
Chloroform
Concen: 2.019 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 78043

Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.4	77.2

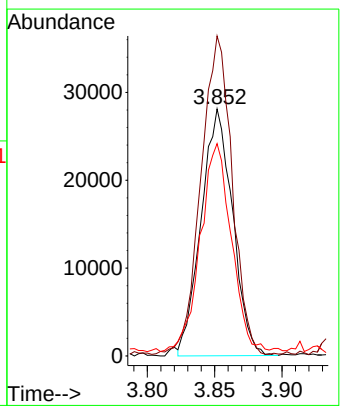


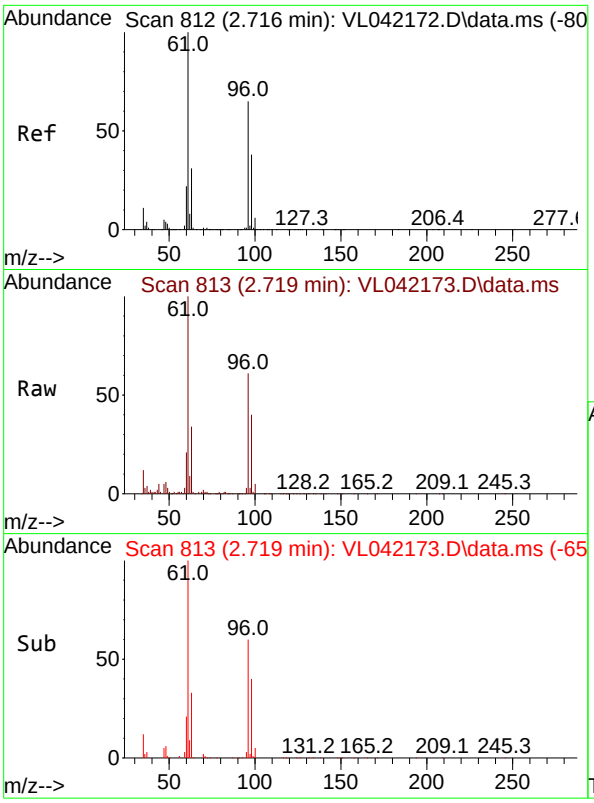


#30
Cyclohexane
Concen: 1.989 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 45641

Ion	Ratio	Lower	Upper
84	100		
56	127.8	102.8	154.2
41	84.6	66.5	99.7



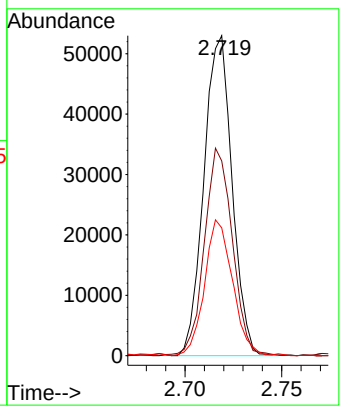


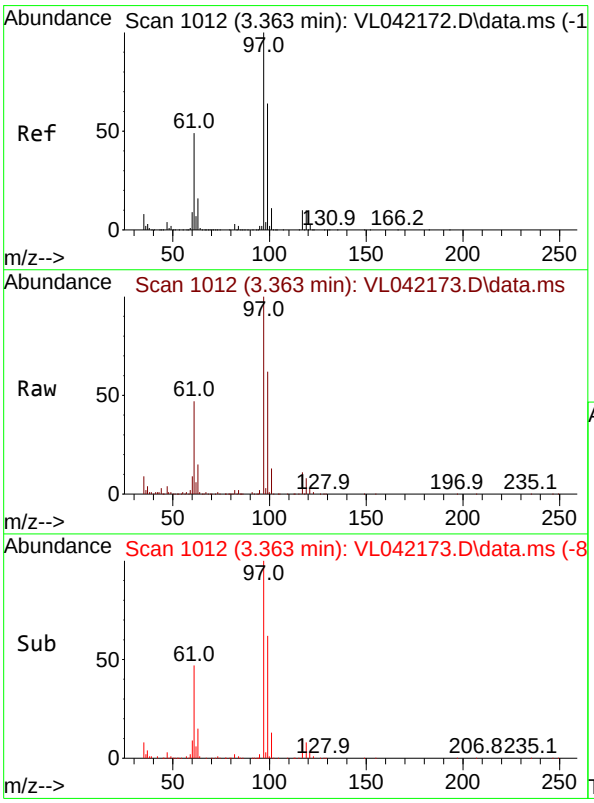
#31
cis-1,2-Dichloroethene
Concen: 2.003 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 53713

Ion	Ratio	Lower	Upper
61	100		
96	60.6	51.8	77.8
98	39.6	30.6	46.0

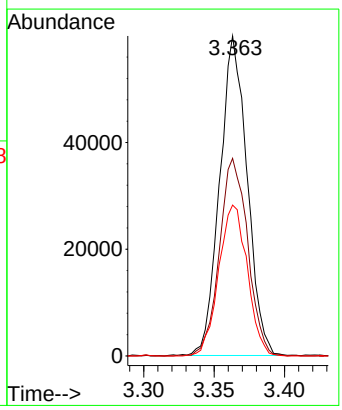


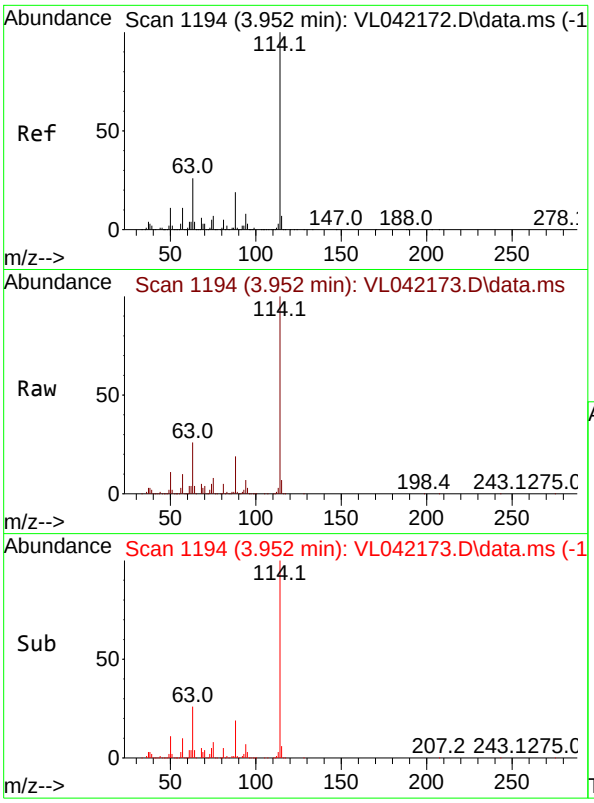


#32
1,1,1-Trichloroethane
Concen: 1.833 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 97 Resp: 81070

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	49.3	38.7	58.1



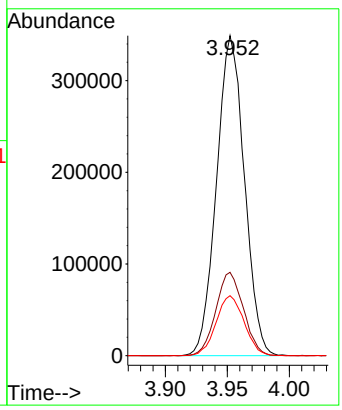


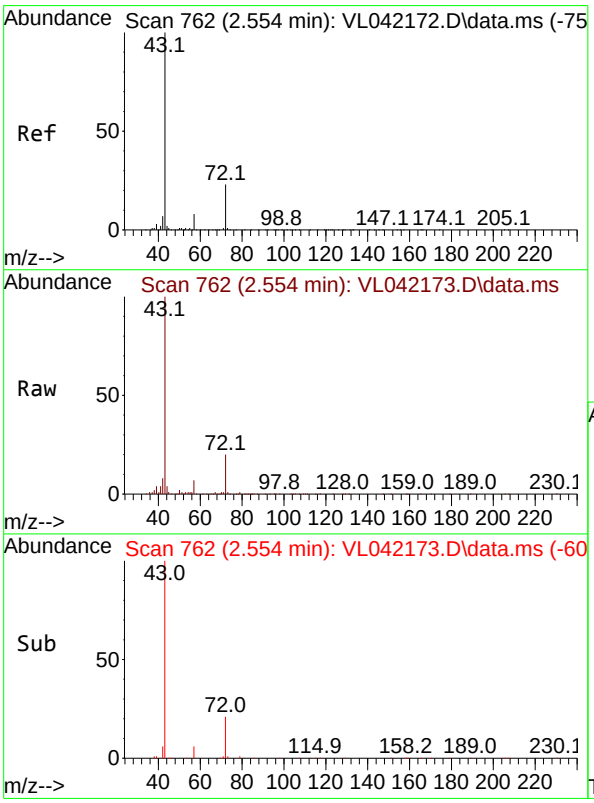
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 546394

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.9	15.0	22.4

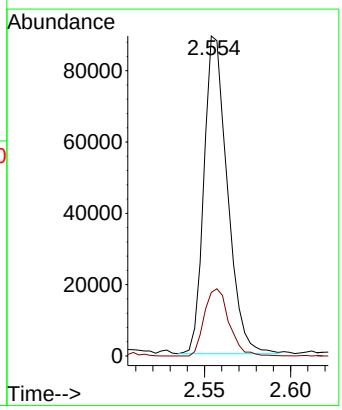


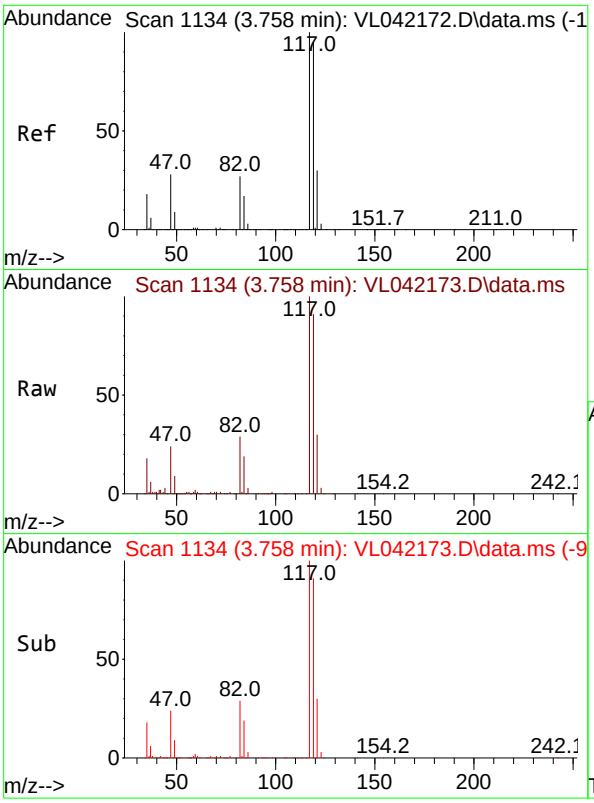


#34
2-Butanone
Concen: 2.124 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 84157

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.2	27.2



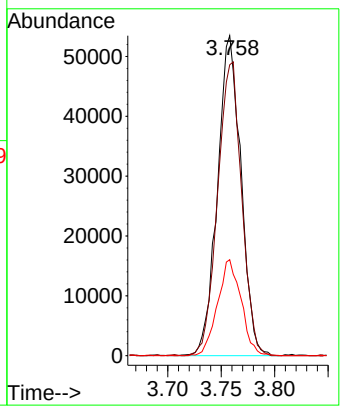


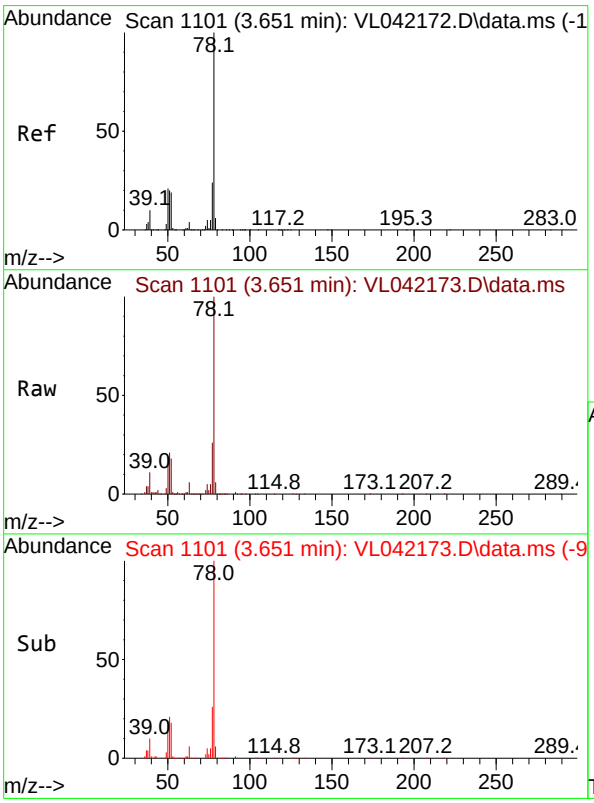
#35
Carbon Tetrachloride
Concen: 1.944 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 81735

Ion	Ratio	Lower	Upper
117	100		
119	90.8	76.2	114.2
121	30.0	24.2	36.4

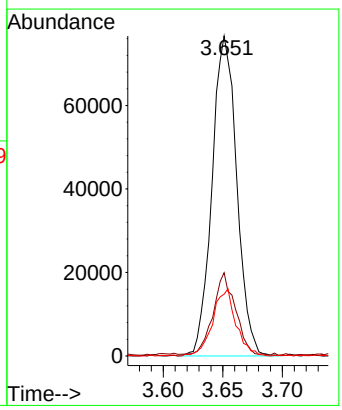


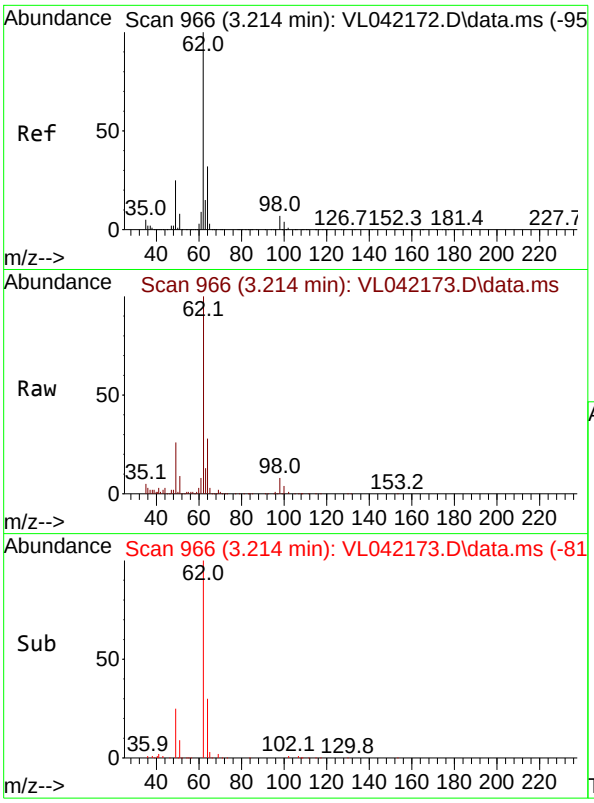


#36
Benzene
Concen: 2.044 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 78 Resp: 110727

Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.1	28.7
50	19.3	16.6	24.8



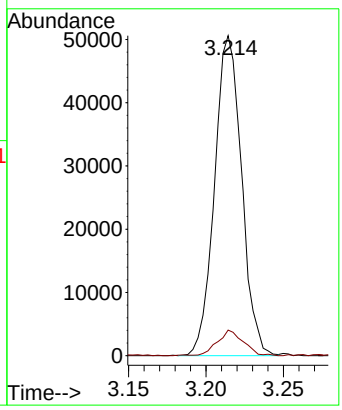


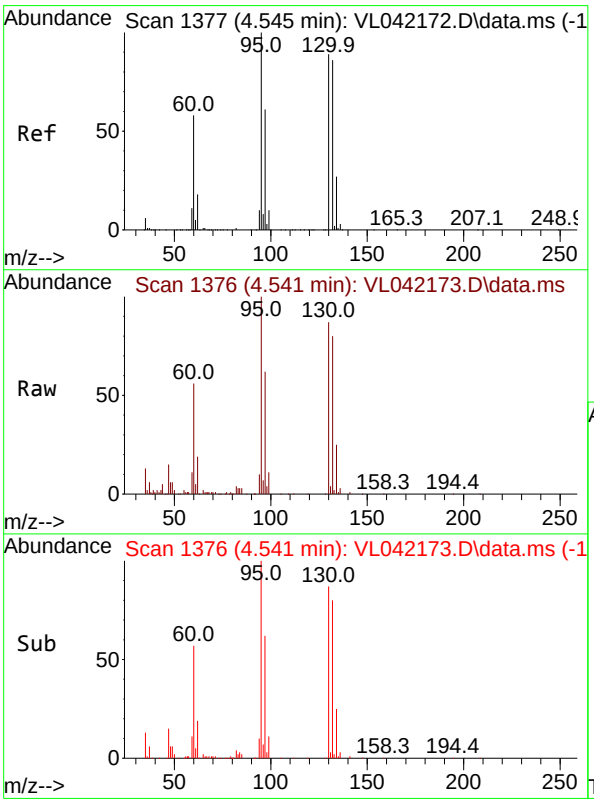
#37
1,2-Dichloroethane
Concen: 1.982 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 61476

Ion	Ratio	Lower	Upper
62	100		
98	7.7	5.4	8.2

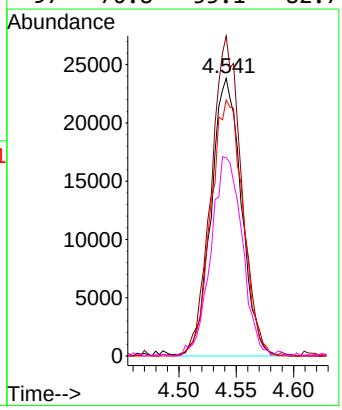


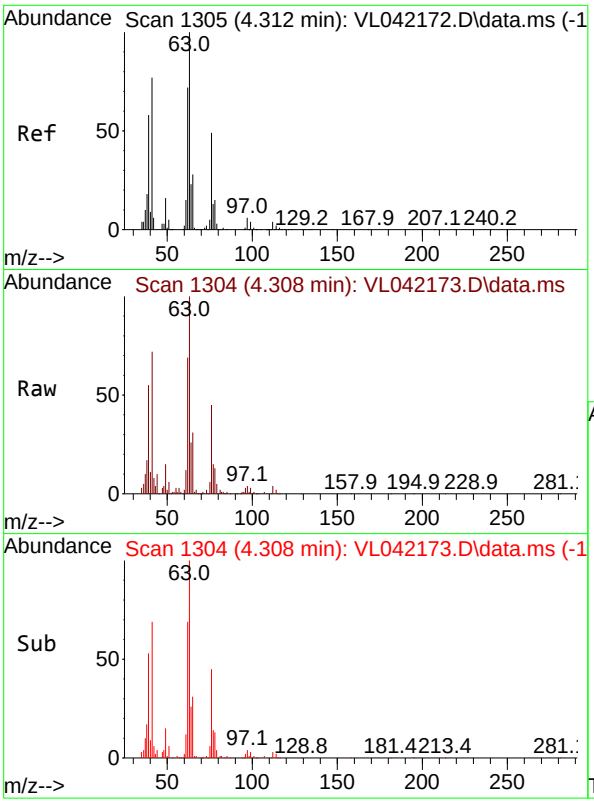


#38
Trichloroethene
Concen: 1.924 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:130 Resp: 43501

Ion	Ratio	Lower	Upper
130	100		
95	114.8	89.8	134.8
132	92.2	77.4	116.2
97	70.8	55.1	82.7



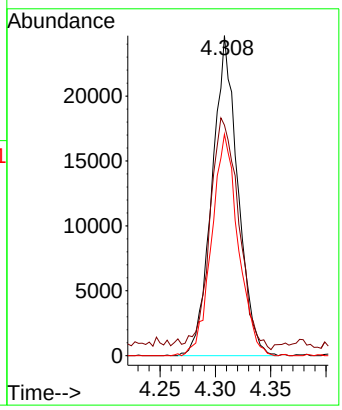


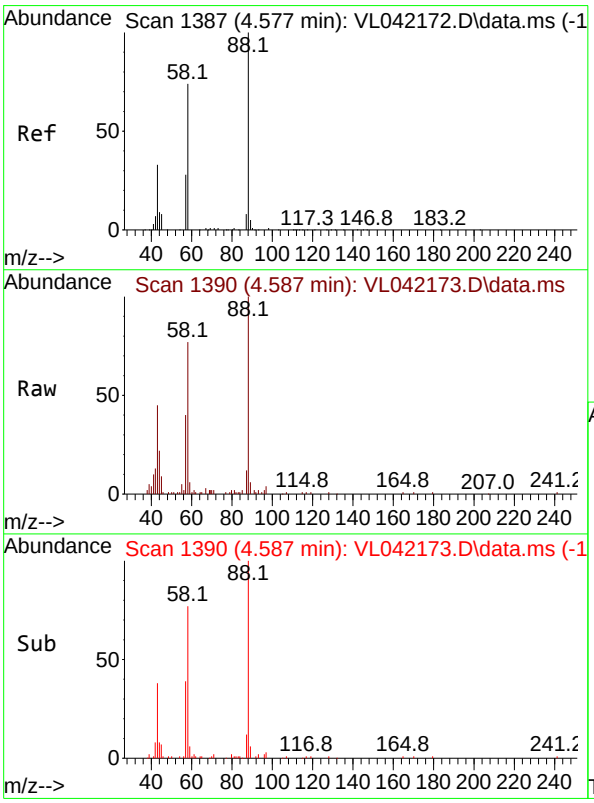
#39
1,2-Dichloropropane
Concen: 2.023 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 39912

Ion	Ratio	Lower	Upper
63	100		
41	68.6	61.7	92.5
62	69.2	57.6	86.4

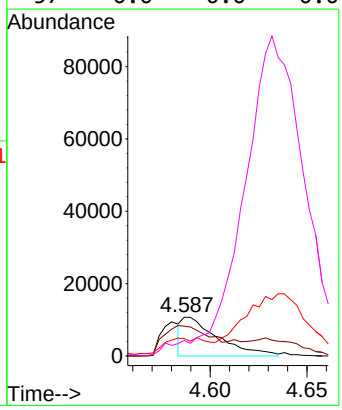


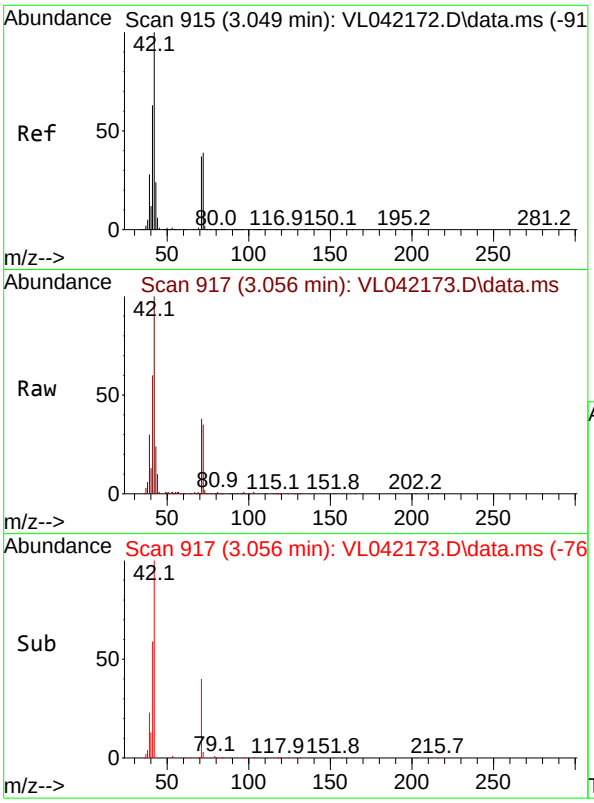


#40
1,4-Dioxane
Concen: 1.369 ppbv
RT: 4.587 min Scan# 1390
Delta R.T. 0.009 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 88 Resp: 14008

Ion	Ratio	Lower	Upper
88	100		
58	178.2	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0



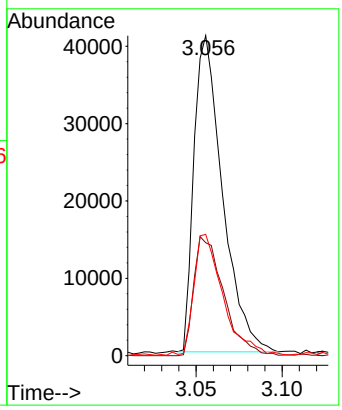


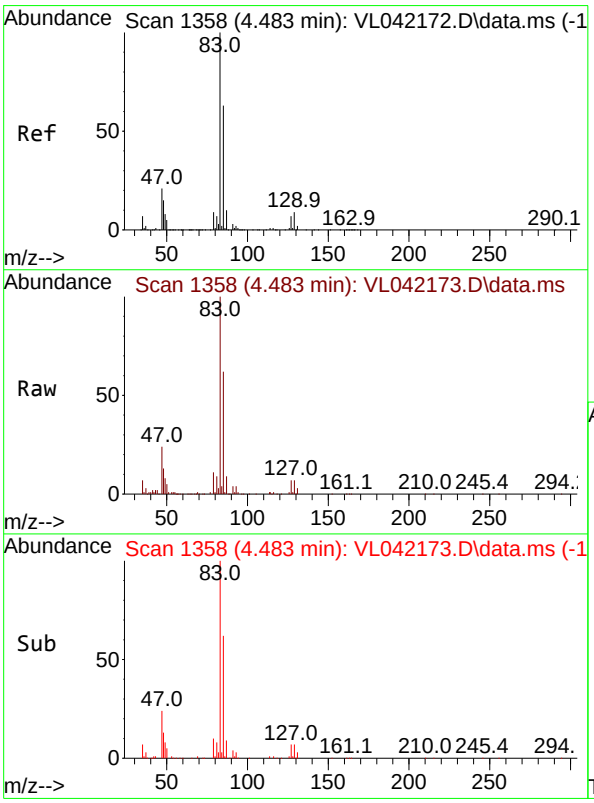
#41
Tetrahydrofuran
Concen: 2.097 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 47262

Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.4	47.0
71	39.0	30.2	45.4

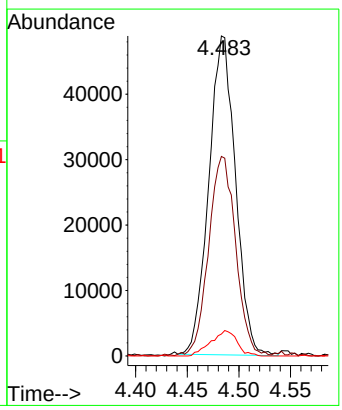


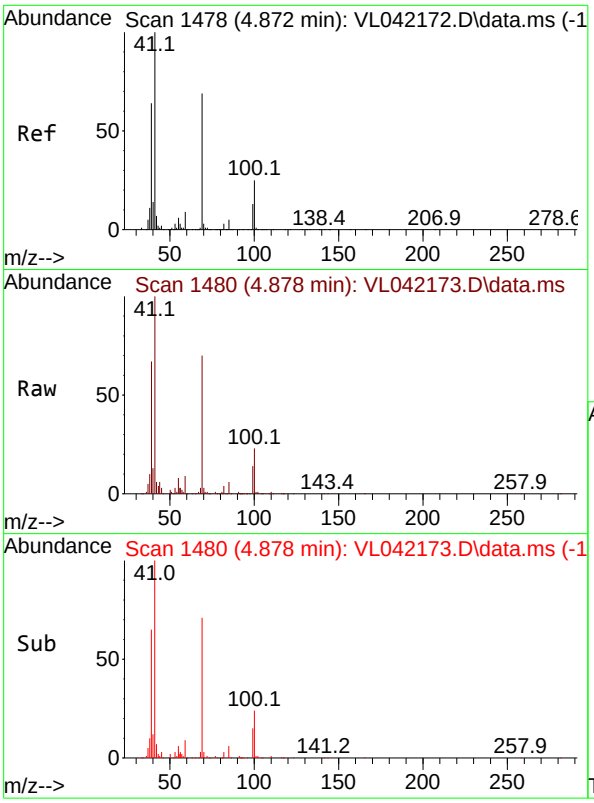


#42
Bromodichloromethane
Concen: 2.050 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 83 Resp: 87640

Ion	Ratio	Lower	Upper
83	100		
85	62.2	50.5	75.7
127	6.9	5.9	8.9



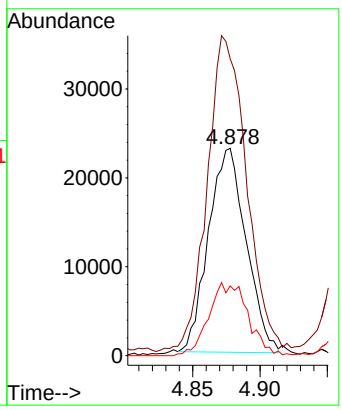


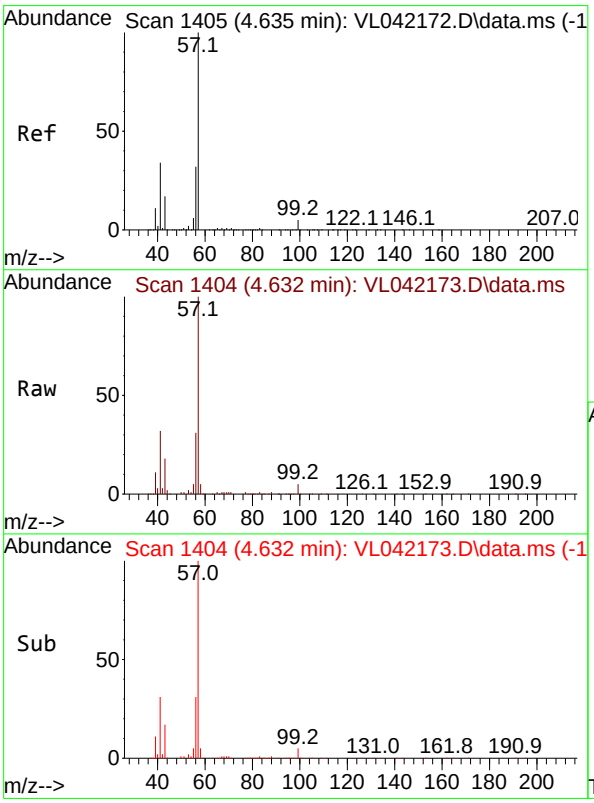
#43
Methyl Methacrylate
Concen: 1.952 ppbv
RT: 4.878 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 44624

Ion	Ratio	Lower	Upper
69	100		
41	158.7	123.8	185.6
100	37.5	28.4	42.6

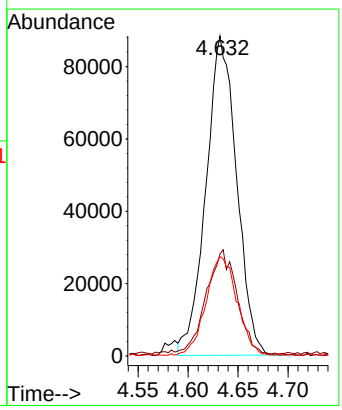


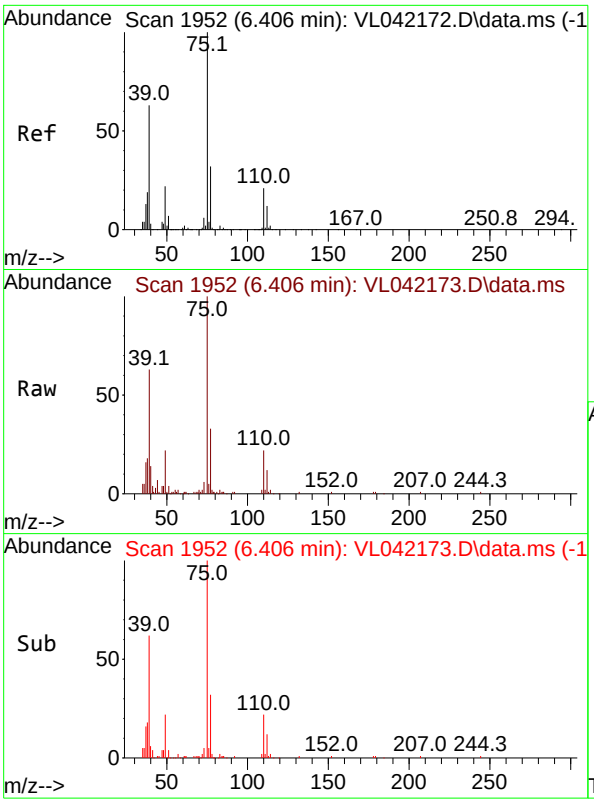


#44
2,2,4-Trimethylpentane
Concen: 2.057 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 57 Resp: 188282

Ion	Ratio	Lower	Upper
57	100		
41	33.8	26.8	40.2
56	31.8	25.6	38.4



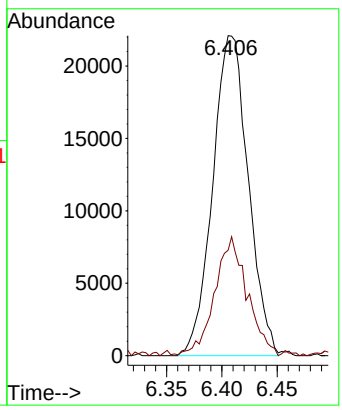


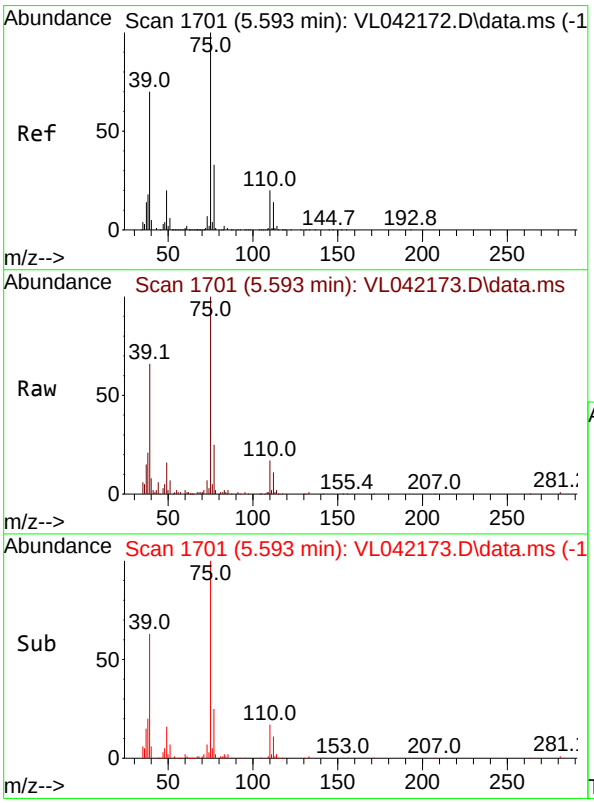
#45
t-1,3-Dichloropropene
Concen: 2.011 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 49461

Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.0	39.0

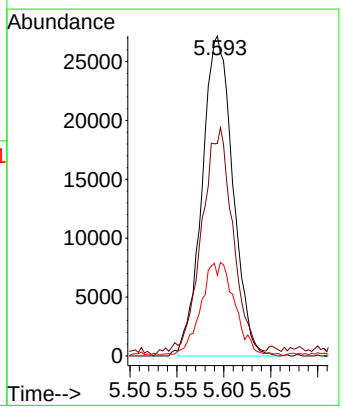


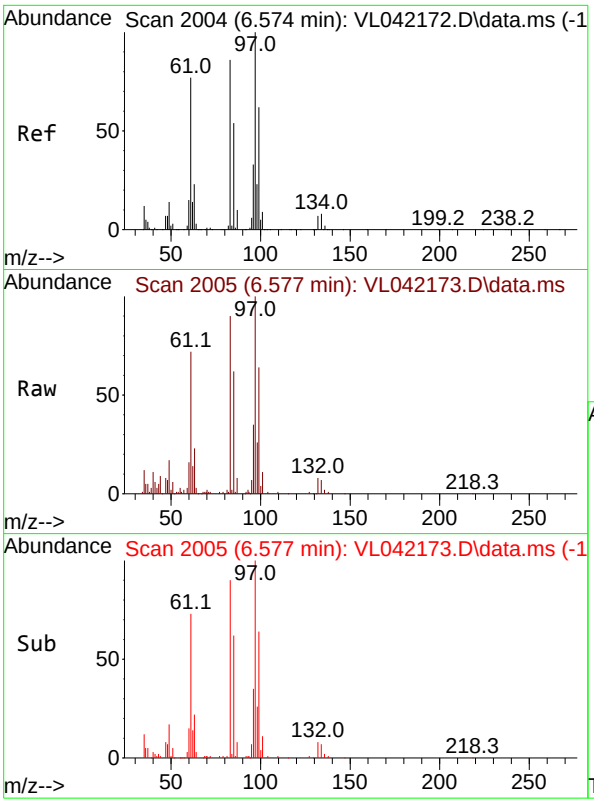


#46
cis-1,3-Dichloropropene
Concen: 2.050 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 75 Resp: 61829

Ion	Ratio	Lower	Upper
75	100		
39	64.4	55.8	83.6
77	24.5	26.0	39.0#



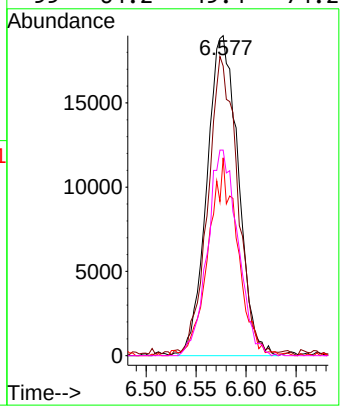


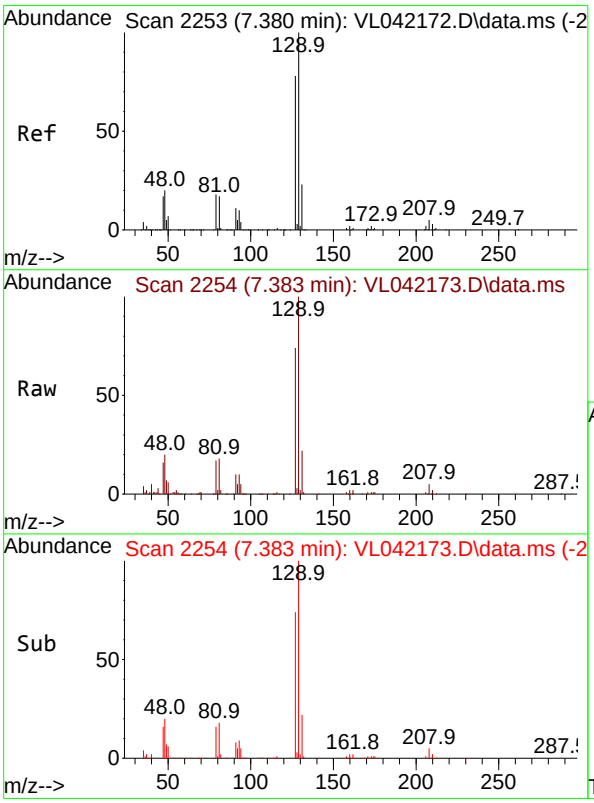
#47
1,1,2-Trichloroethane
Concen: 1.985 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 41387

Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.2	103.8
85	61.3	43.1	64.7
99	64.2	49.4	74.2

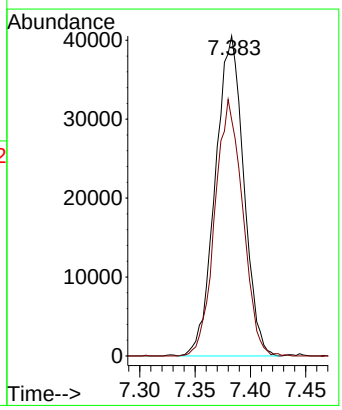


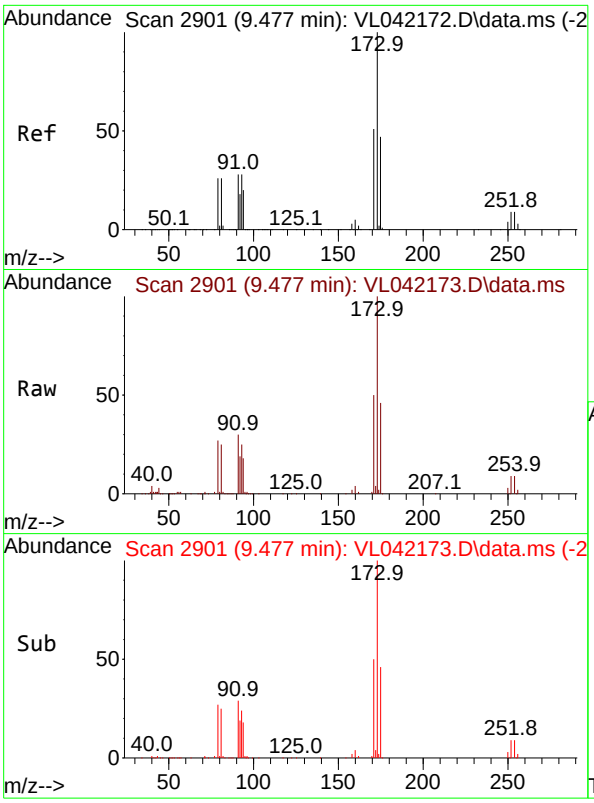


#48
Dibromochloromethane
Concen: 2.050 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:129 Resp: 72441

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2



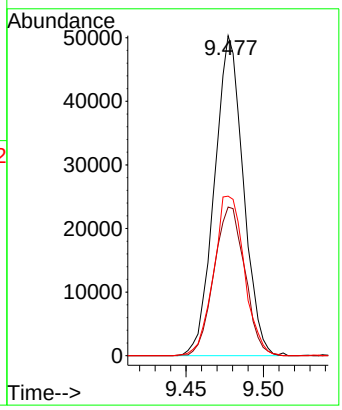


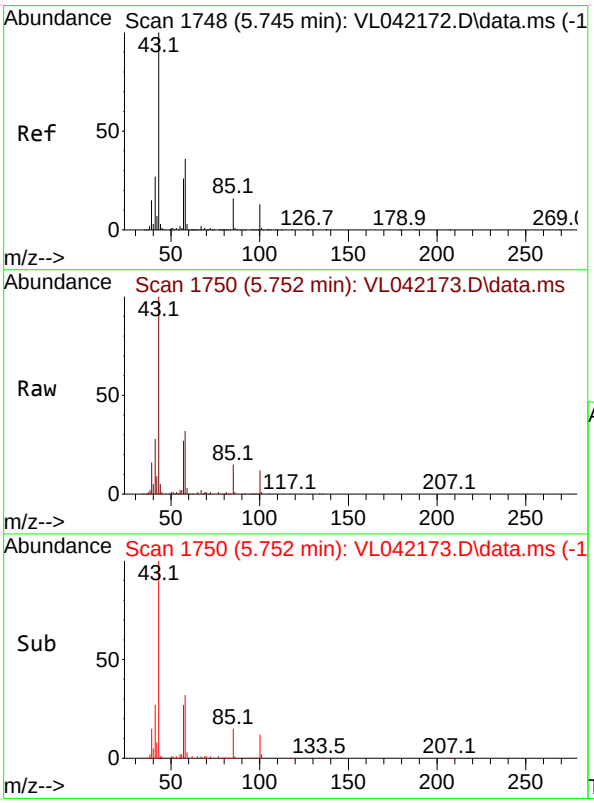
#49
Bromoform
Concen: 2.056 ppbv
RT: 9.477 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 65221

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
171	53.0	41.8	62.6

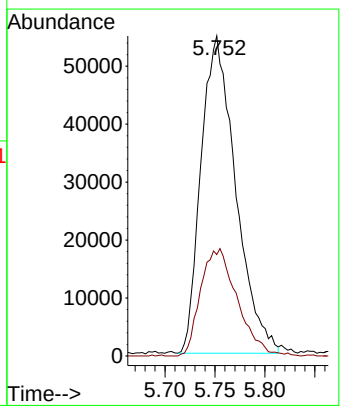


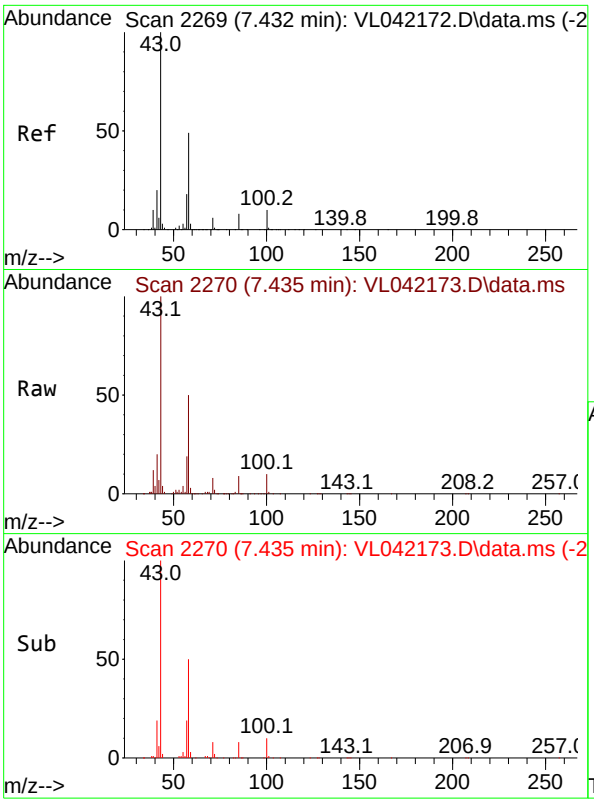


#50
4-Methyl-2-Pentanone
Concen: 2.107 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 132328

Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.0	43.6



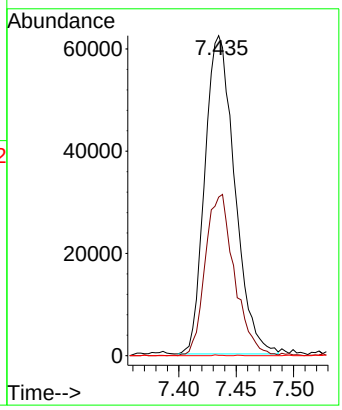


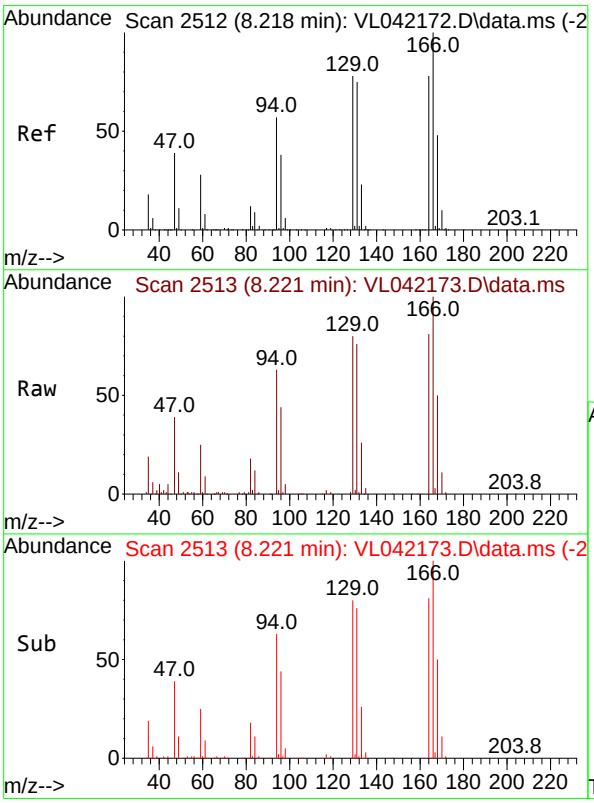
#51
2-Hexanone
Concen: 2.162 ppbv
RT: 7.435 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 112681

Ion	Ratio	Lower	Upper
43	100		
58	50.0	39.7	59.5
98	0.0	0.1	0.1#

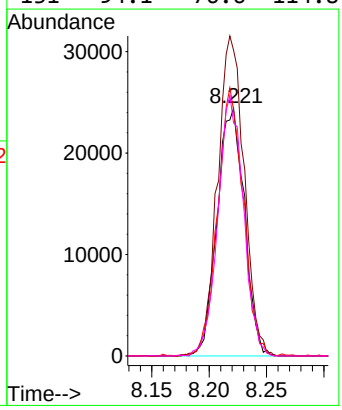


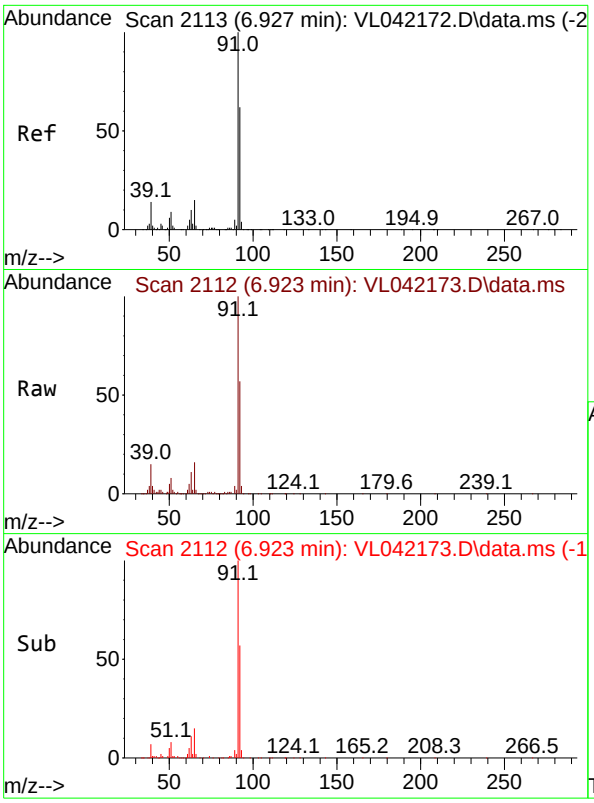


#52
Tetrachloroethene
Concen: 1.888 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:164 Resp: 40558

Ion	Ratio	Lower	Upper
164	100		
166	123.4	102.5	153.7
129	99.2	79.8	119.8
131	94.1	76.6	114.8



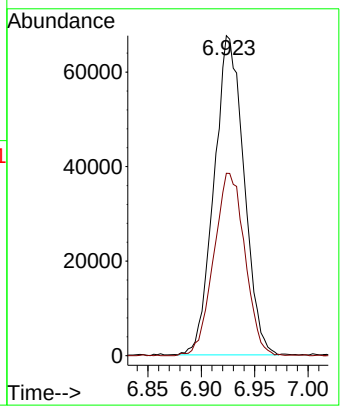


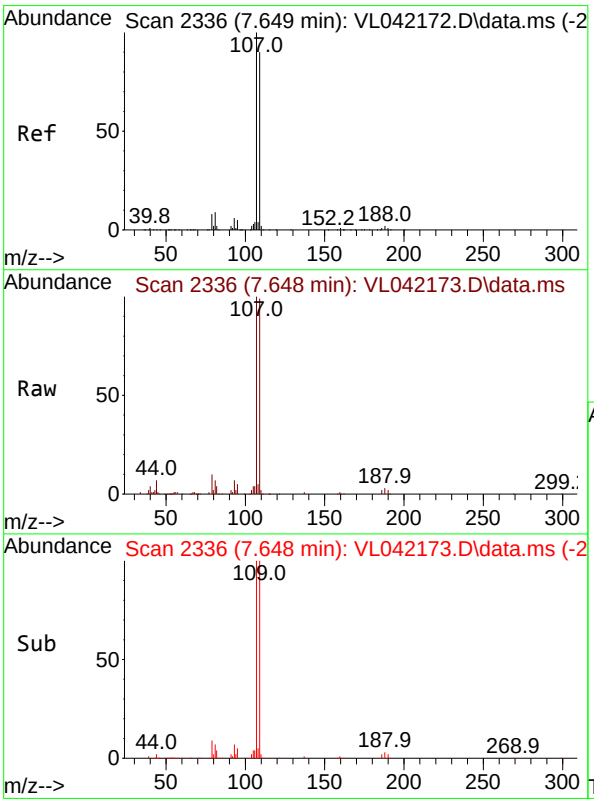
#53
Toluene
Concen: 2.045 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 131314

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.4	72.6

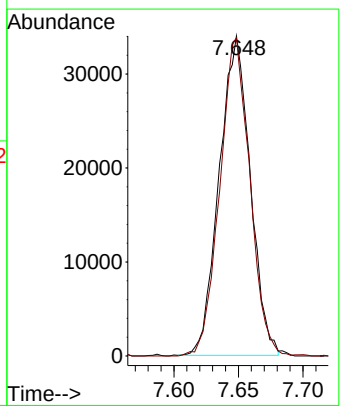


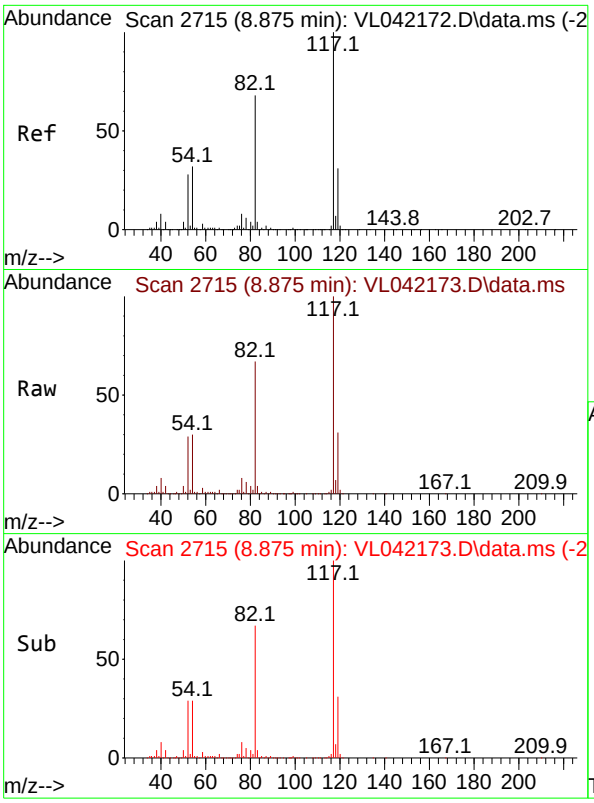


#54
1,2-Dibromoethane
Concen: 1.952 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:107 Resp: 56799

Ion	Ratio	Lower	Upper
107	100		
109	99.7	72.2	108.4



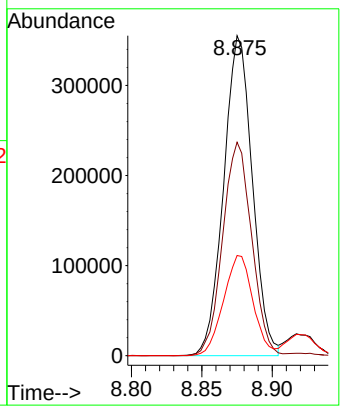


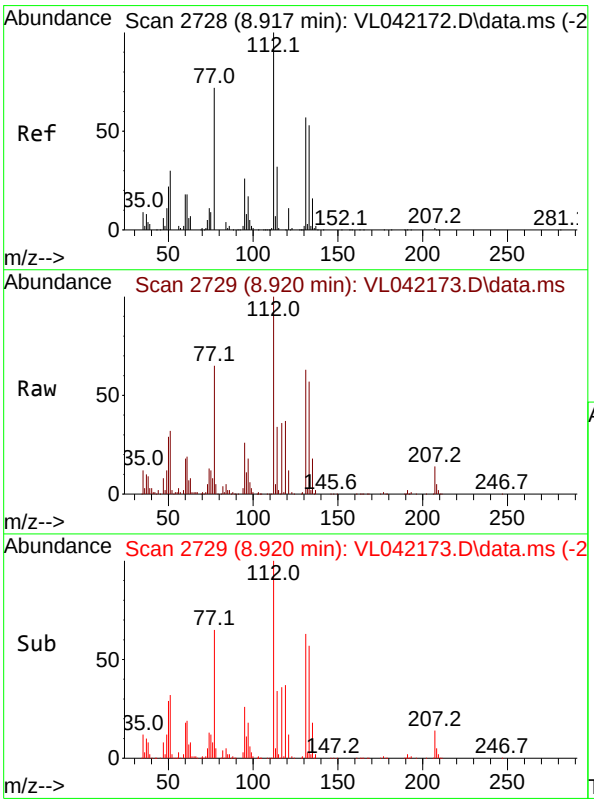
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 504538

Ion	Ratio	Lower	Upper
117	100		
82	68.2	55.8	83.6
119	33.0	25.5	38.3

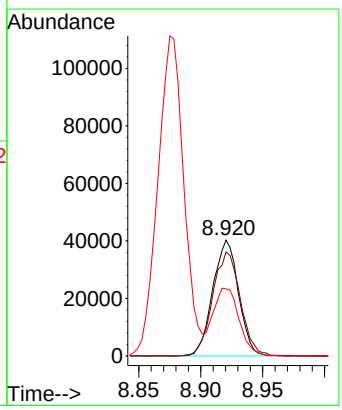


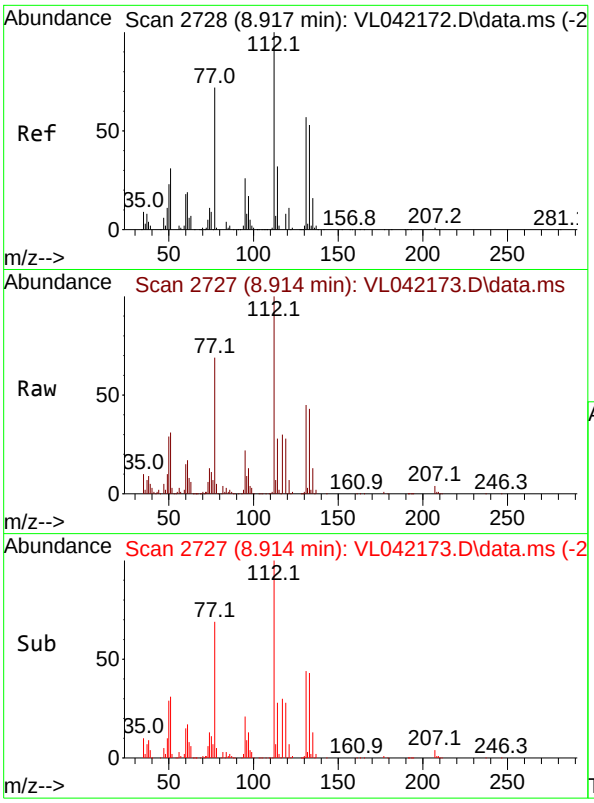


#56
1,1,1,2-Tetrachloroethane
Concen: 2.093 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:131 Resp: 58141

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.6	114.8
119	58.3	49.8	74.6



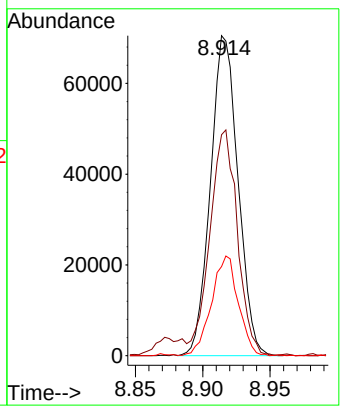


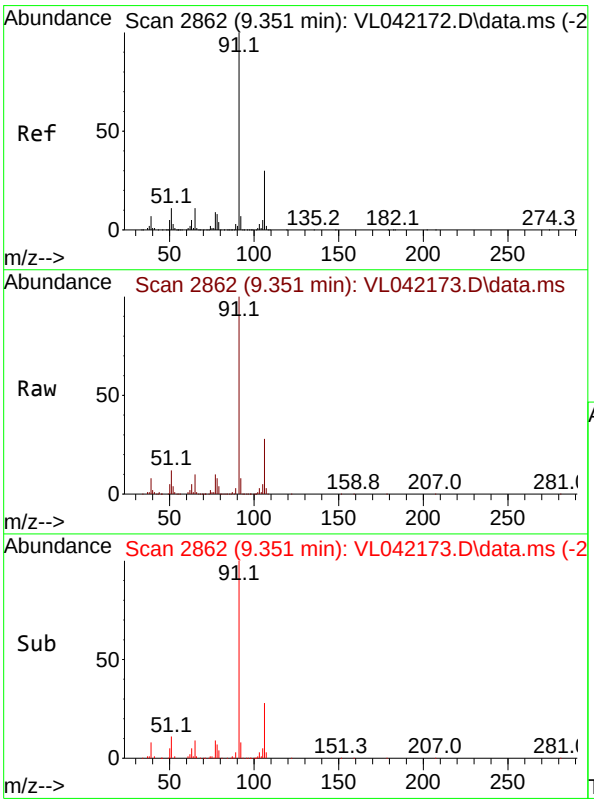
#57
Chlorobenzene
Concen: 2.096 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 100308

Ion	Ratio	Lower	Upper
112	100		
77	68.8	58.2	87.2
114	27.8	29.1	35.5#

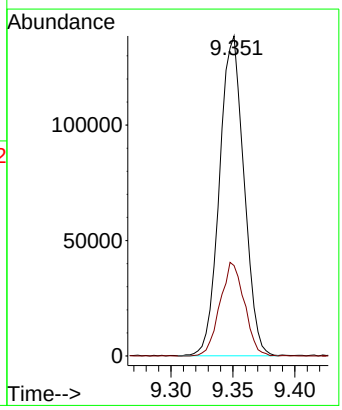


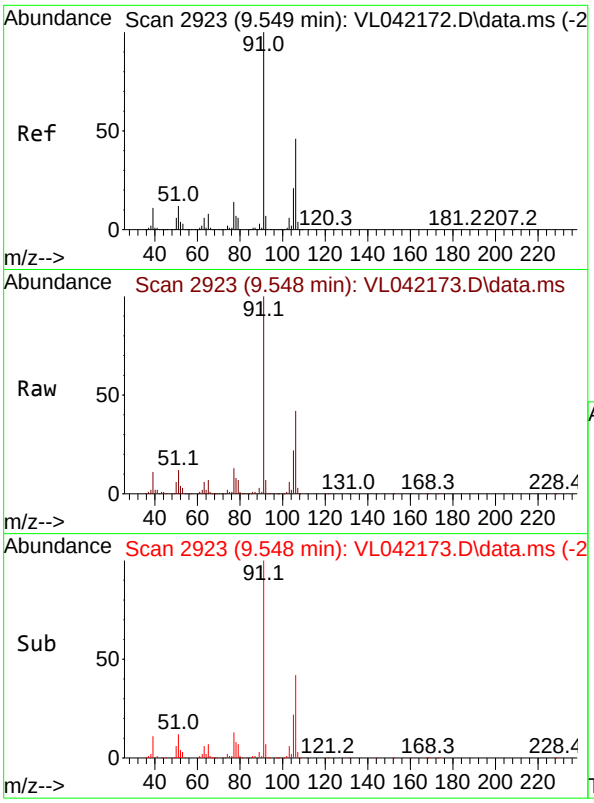


#58
Ethyl Benzene
Concen: 2.132 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 191114

Ion	Ratio	Lower	Upper
91	100		
106	28.3	24.2	36.2



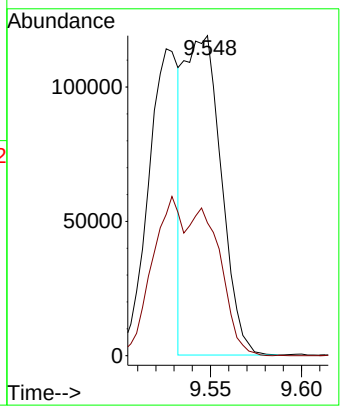


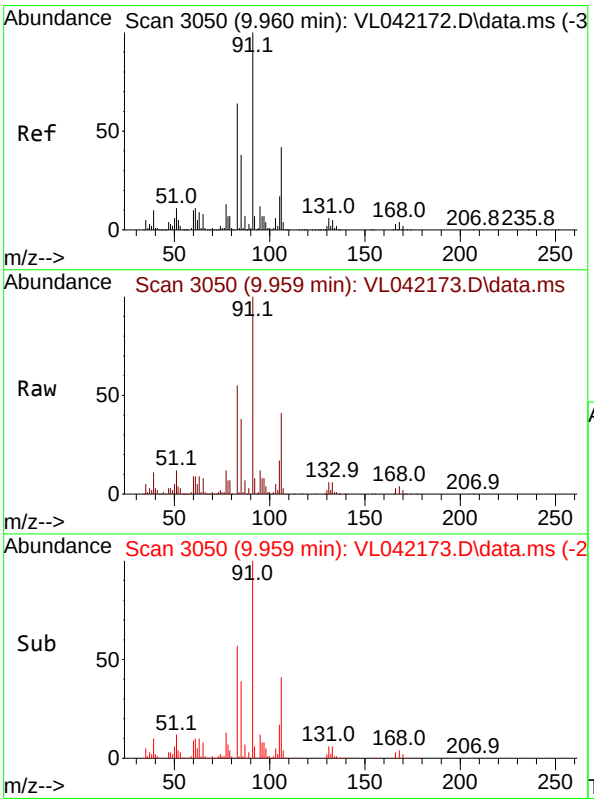
#59
m/p-Xylene
Concen: 2.333 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 167182

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

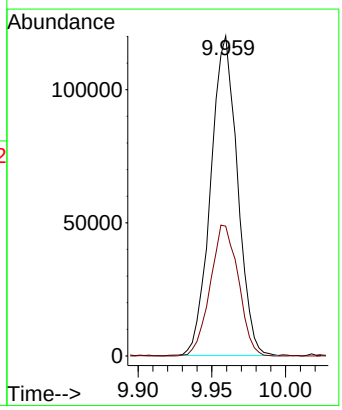


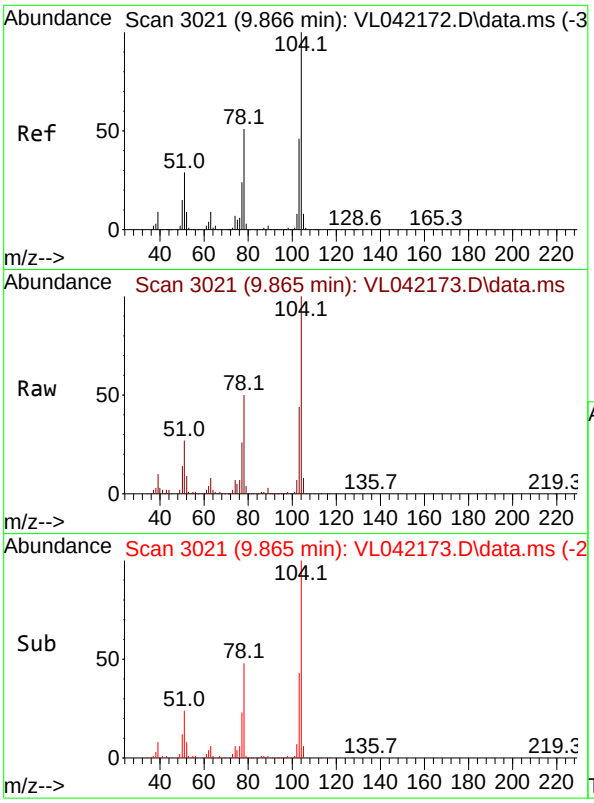


#60
o-Xylene
Concen: 2.109 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 151292

Ion	Ratio	Lower	Upper
91	100		
106	43.2	20.8	62.5



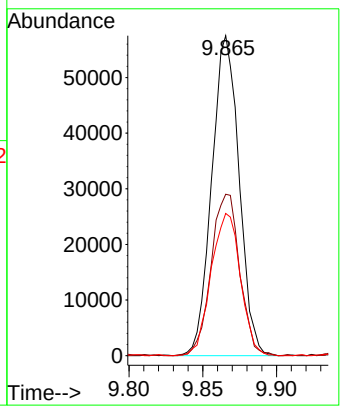


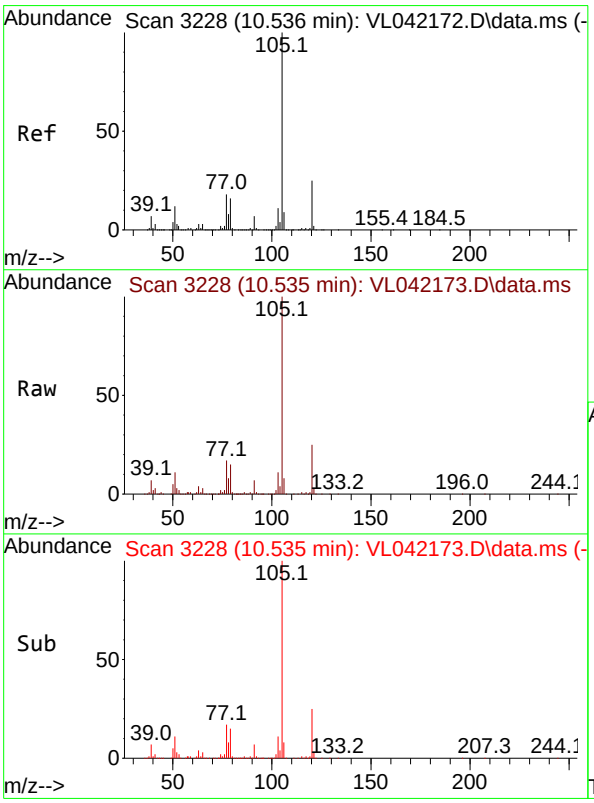
#61
Styrene
Concen: 2.089 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 74134

Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.8	62.6
103	47.8	37.0	55.4

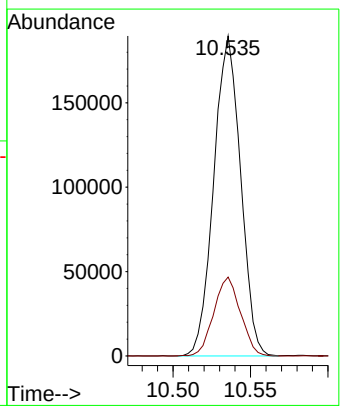


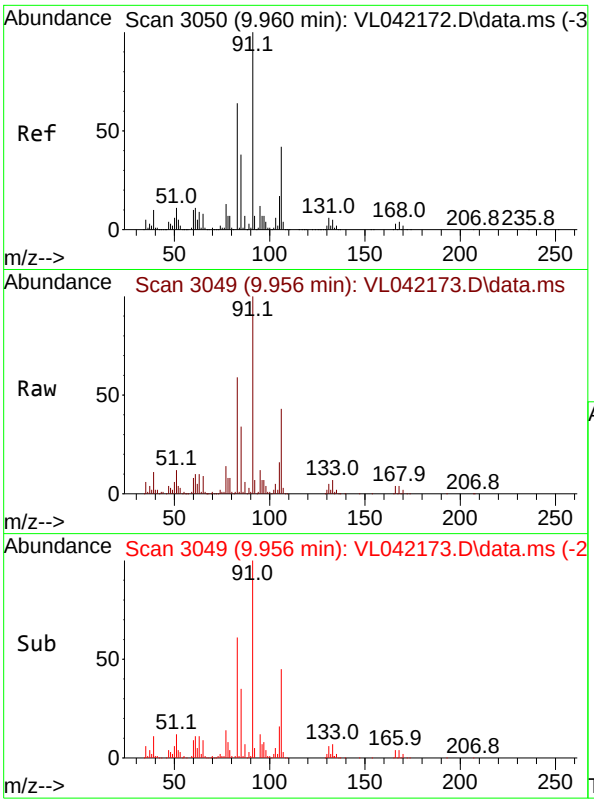


#62
Isopropylbenzene
Concen: 2.127 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 228191

Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.9	29.9



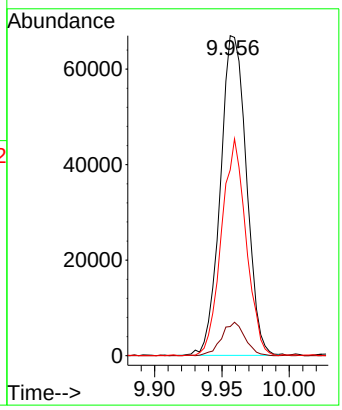


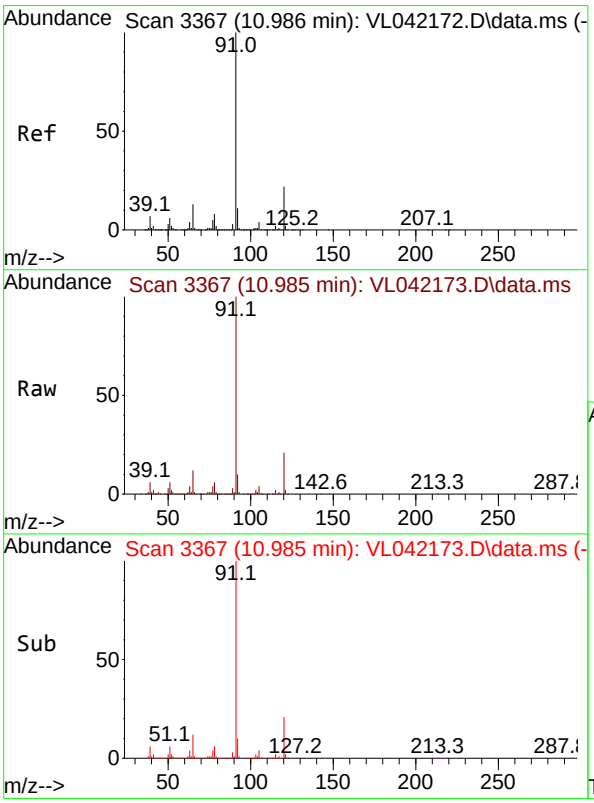
#63
1,1,2,2-Tetrachloroethane
Concen: 2.067 ppbv
RT: 9.956 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 90114

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.4	32.5	97.5

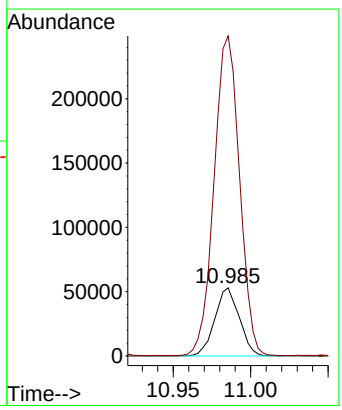


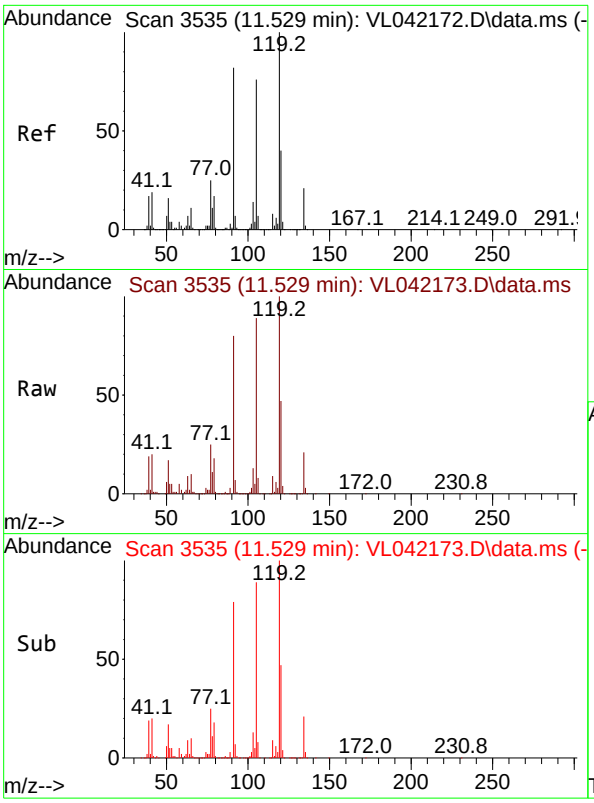


#64
n-propylbenzene
Concen: 2.104 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:120 Resp: 58105

Ion	Ratio	Lower	Upper
120	100		
91	491.1	376.9	565.3



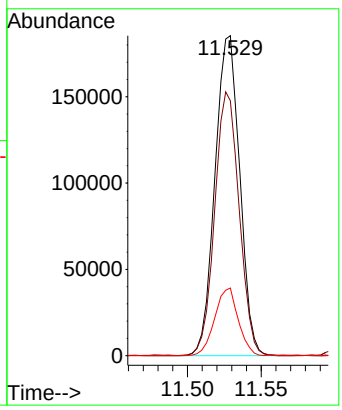


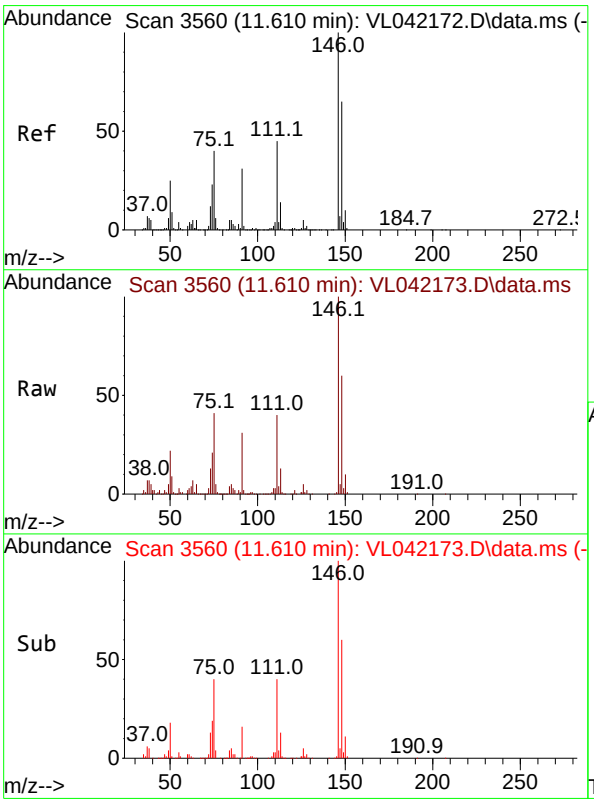
#65
tert-Butylbenzene
Concen: 2.180 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 216336

Ion	Ratio	Lower	Upper
119	100		
91	81.5	66.0	99.0
134	20.2	16.7	25.1

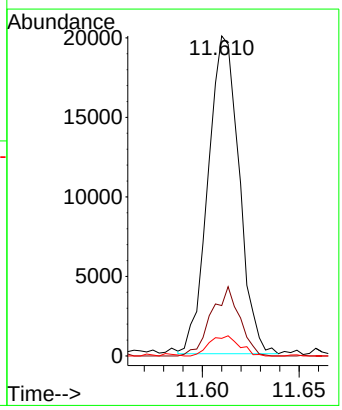


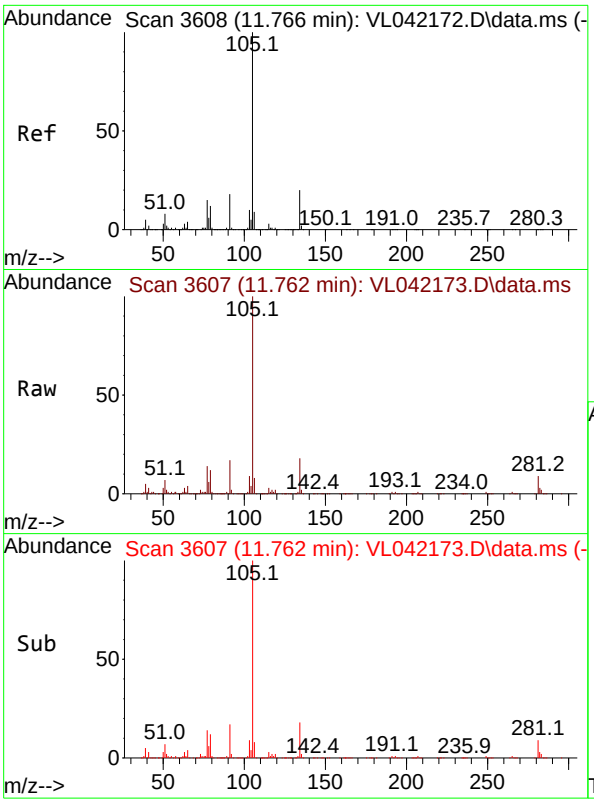


#66
Benzyl Chloride
Concen: 2.116 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 22272

Ion	Ratio	Lower	Upper
91	100		
126	20.0	13.8	20.6
128	6.5	4.5	6.7



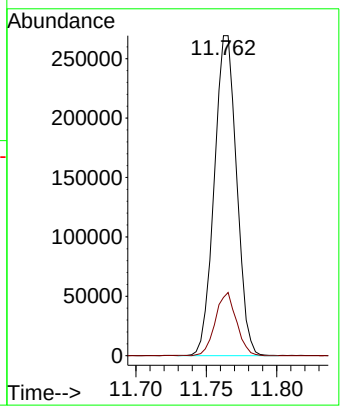


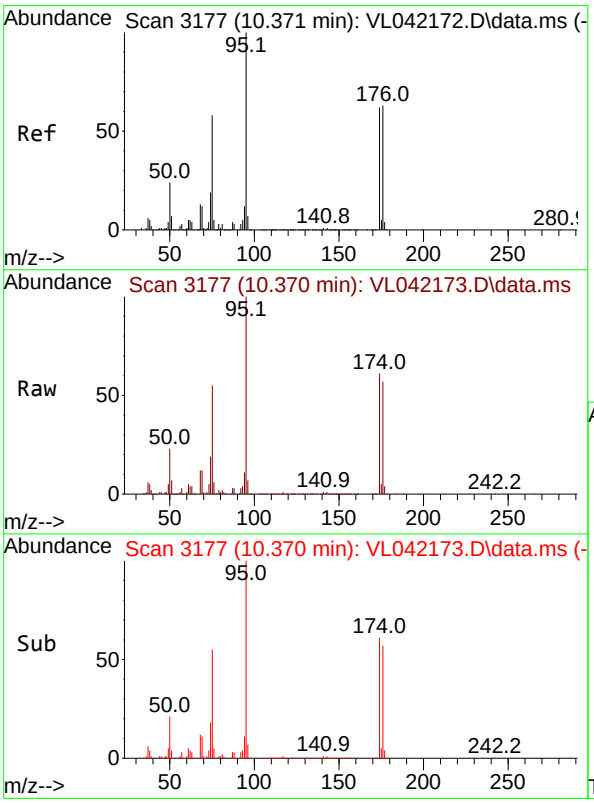
#67
sec-Butylbenzene
Concen: 2.156 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 297381

Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.5	23.3

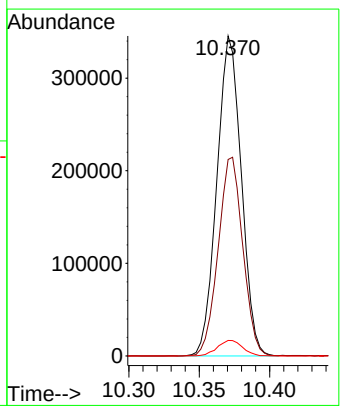


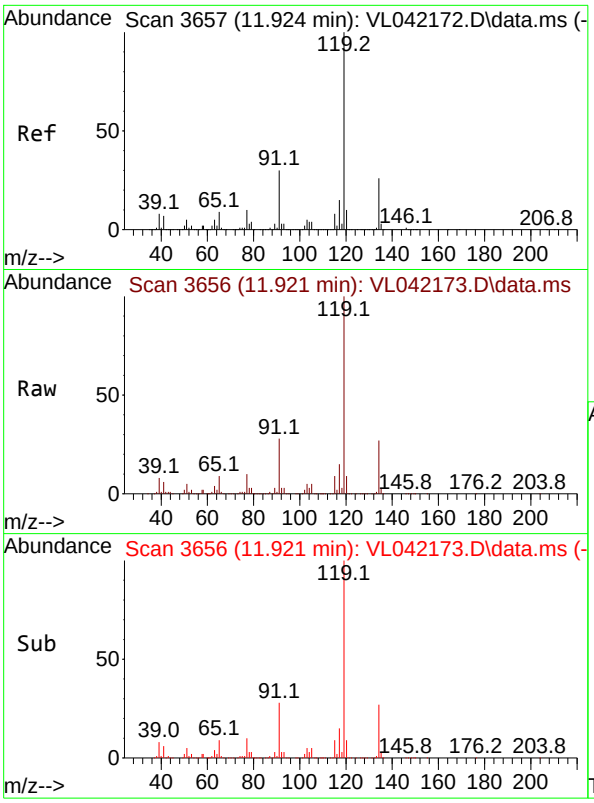


#68
1-Bromo-4-Fluorobenzene
Concen: 10.077 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 95 Resp: 417532

Ion	Ratio	Lower	Upper
95	100		
174	62.6	50.6	76.0
175	5.0	3.8	5.6



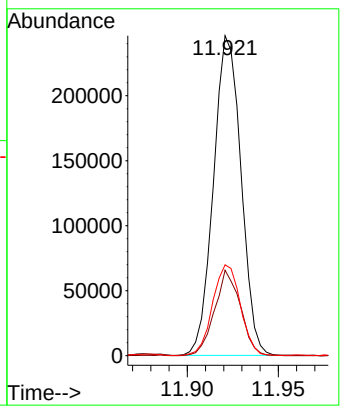


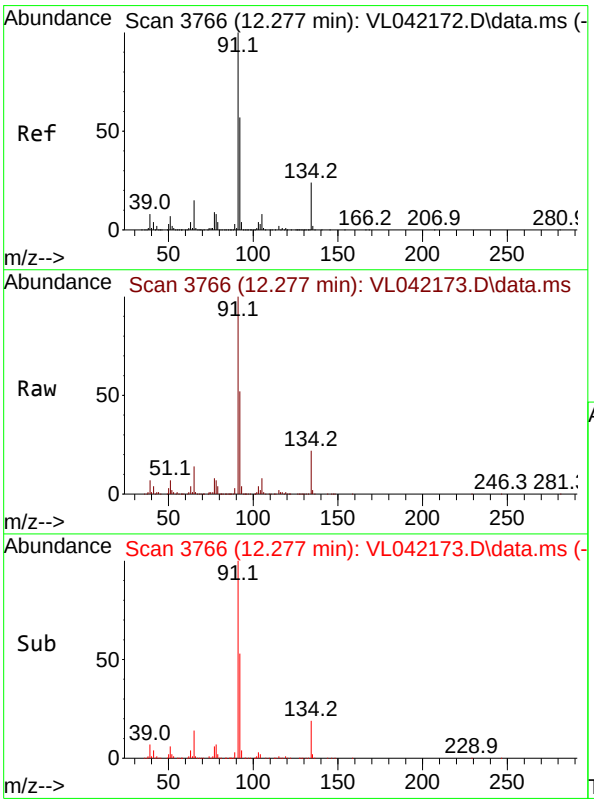
#69
p-Isopropyltoluene
Concen: 2.176 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 258357

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	29.5	23.7	35.5

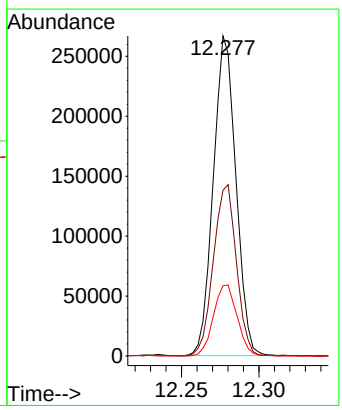


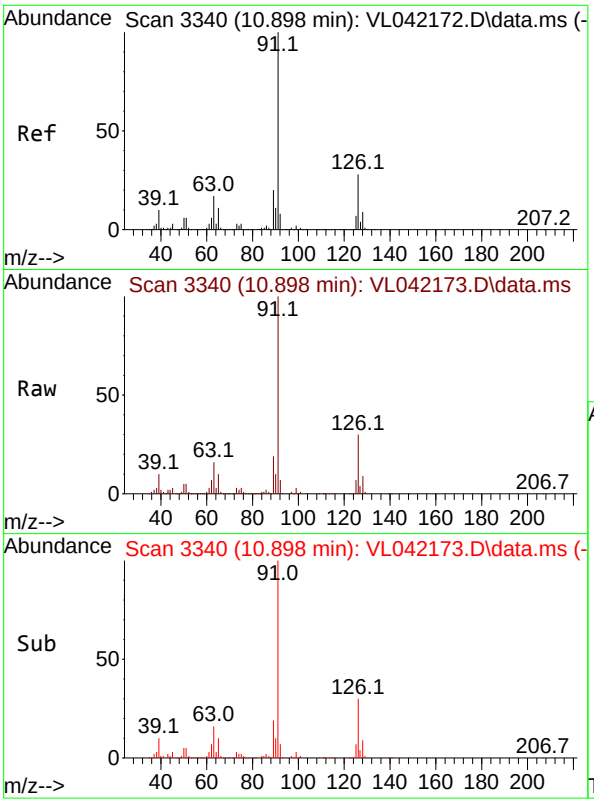


#70
n-Butylbenzene
Concen: 2.228 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 270616

Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.9	67.3
134	23.3	19.2	28.8



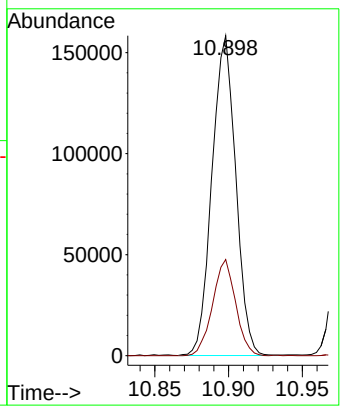


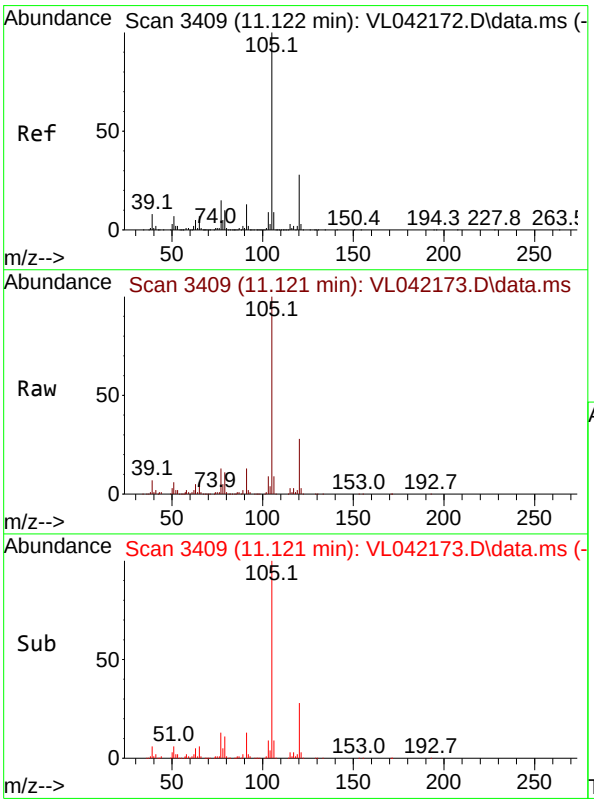
#71
2-Chlorotoluene
Concen: 2.132 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 177487

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.6	46.4

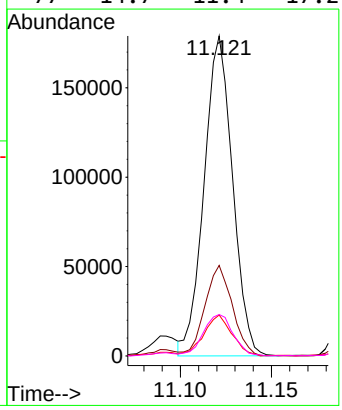


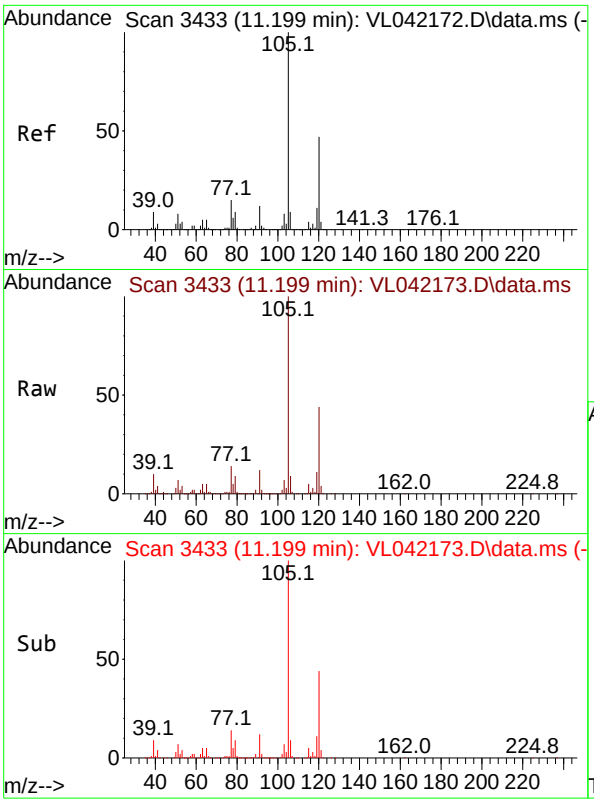


#72
4-Ethyltoluene
Concen: 2.179 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 194660

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.4	35.0
91	13.7	10.3	15.5
77	14.7	11.4	17.2



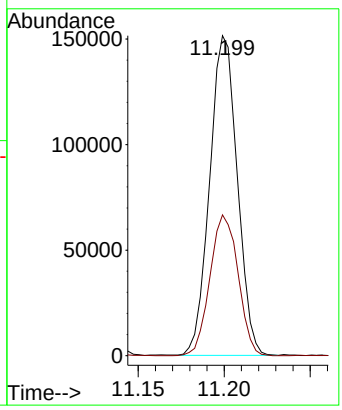


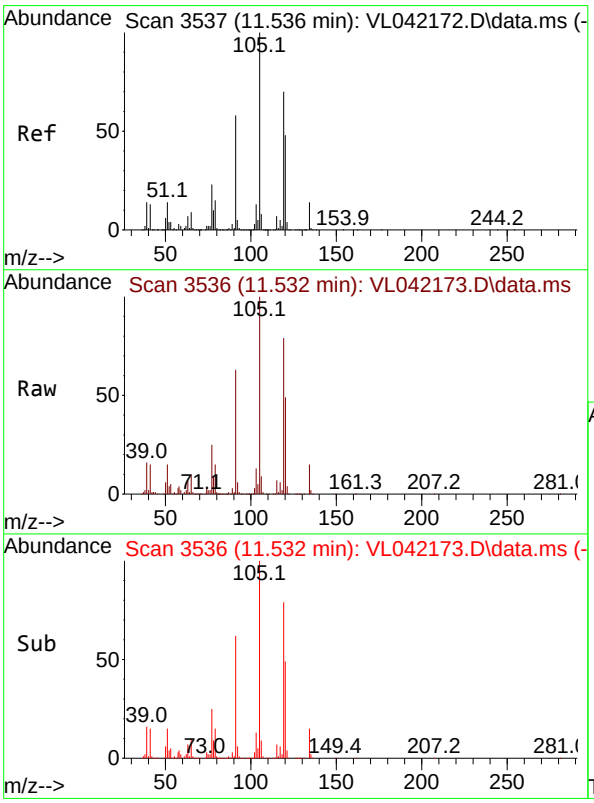
#73
1,3,5-Trimethylbenzene
Concen: 2.169 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 169221

Ion	Ratio	Lower	Upper
105	100		
120	44.0	37.4	56.0

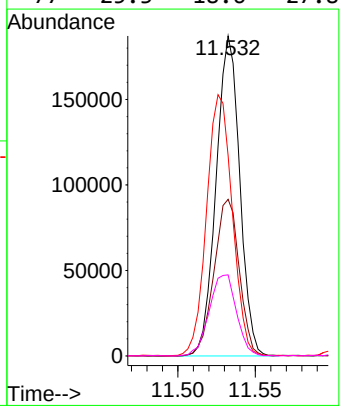


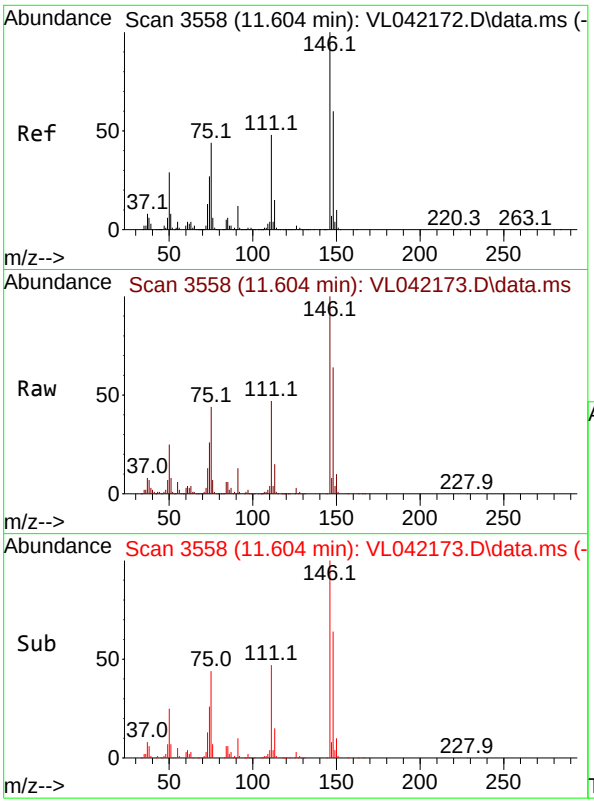


#74
1,2,4-Trimethylbenzene
Concen: 2.207 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 198351

Ion	Ratio	Lower	Upper
105	100		
120	49.0	38.6	58.0
91	62.4	46.2	69.2
77	25.3	18.6	27.8



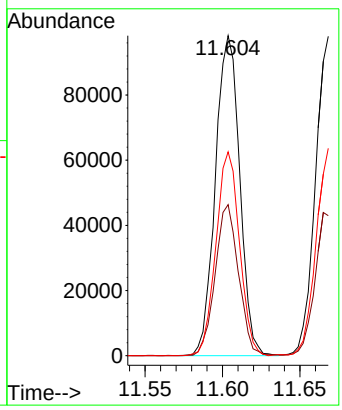


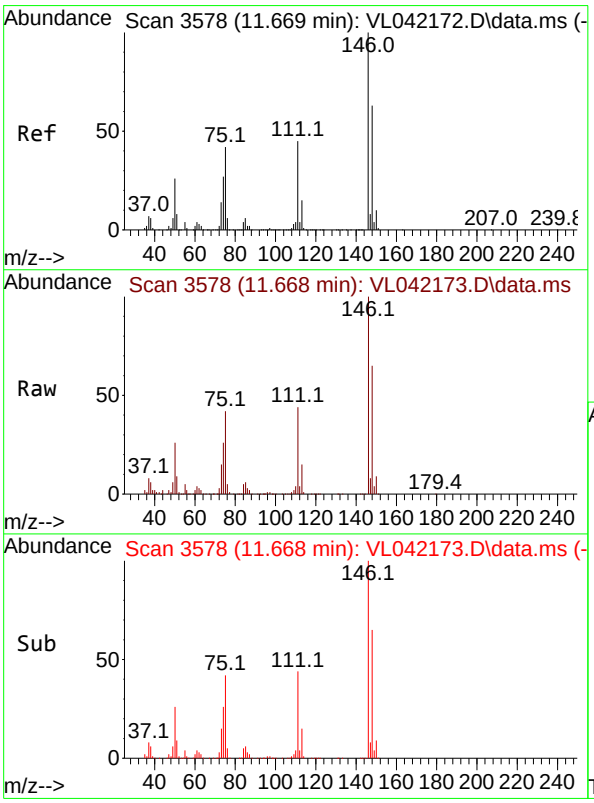
#75
1,3-Dichlorobenzene
Concen: 2.175 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 107217

Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.8	71.2
148	61.6	31.9	95.9

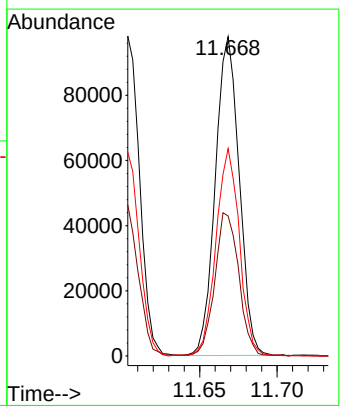


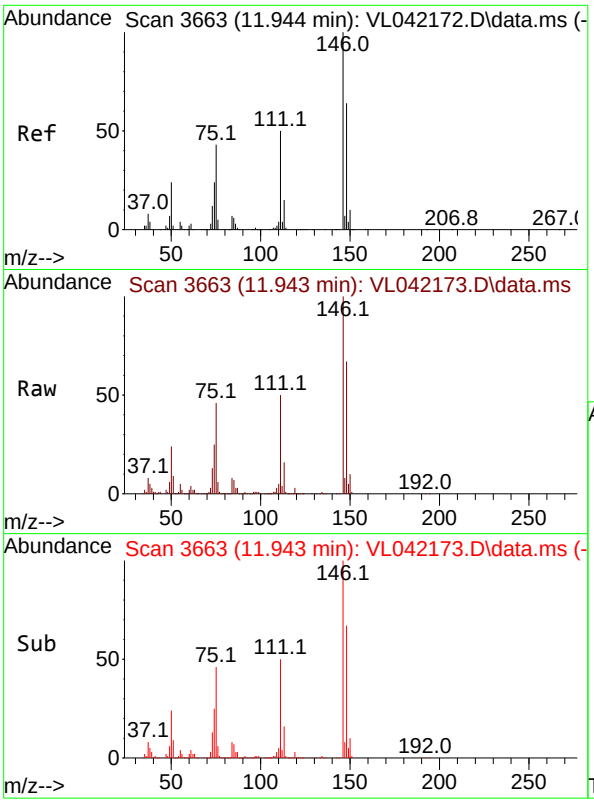


#76
1,4-Dichlorobenzene
Concen: 2.139 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:146 Resp: 104925

Ion	Ratio	Lower	Upper
146	100		
111	45.3	23.0	69.0
148	64.0	31.9	95.7



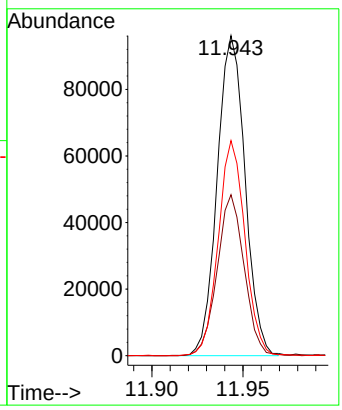


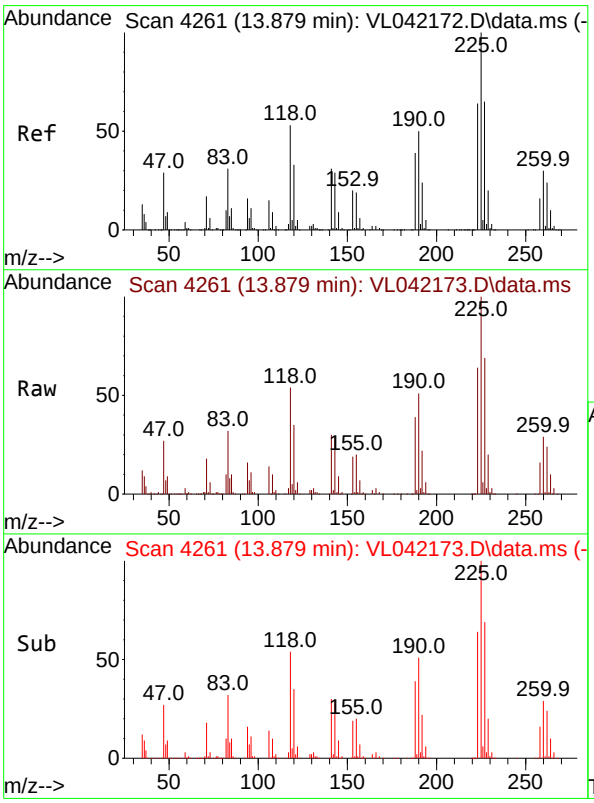
#77
1,2-Dichlorobenzene
Concen: 2.132 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 102310

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.8	74.3
148	64.6	31.6	94.8

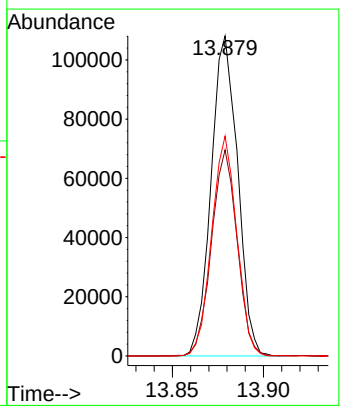


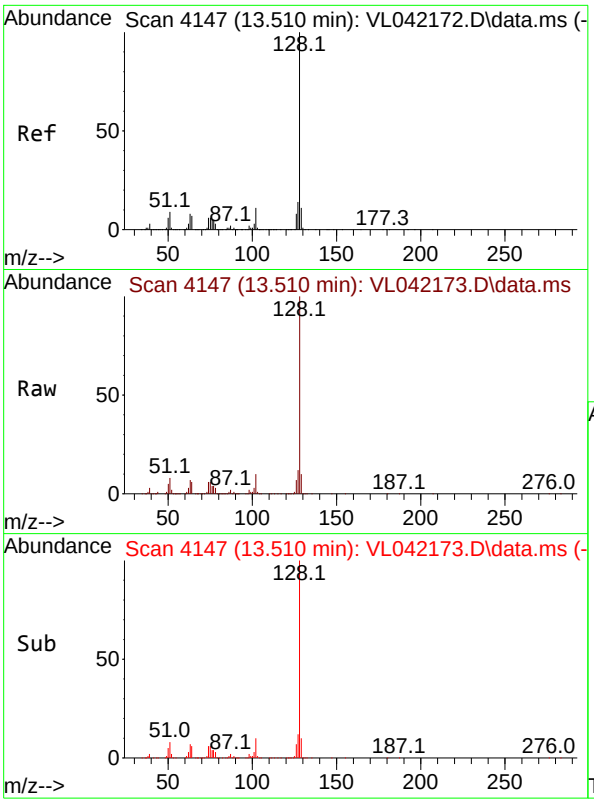


#78
Hexachloro-1,3-Butadiene
Concen: 2.242 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:225 Resp: 109539

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	76.0
227	64.9	51.2	76.8



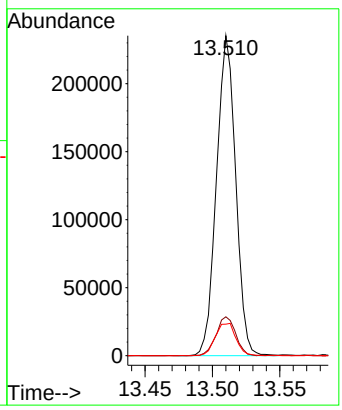


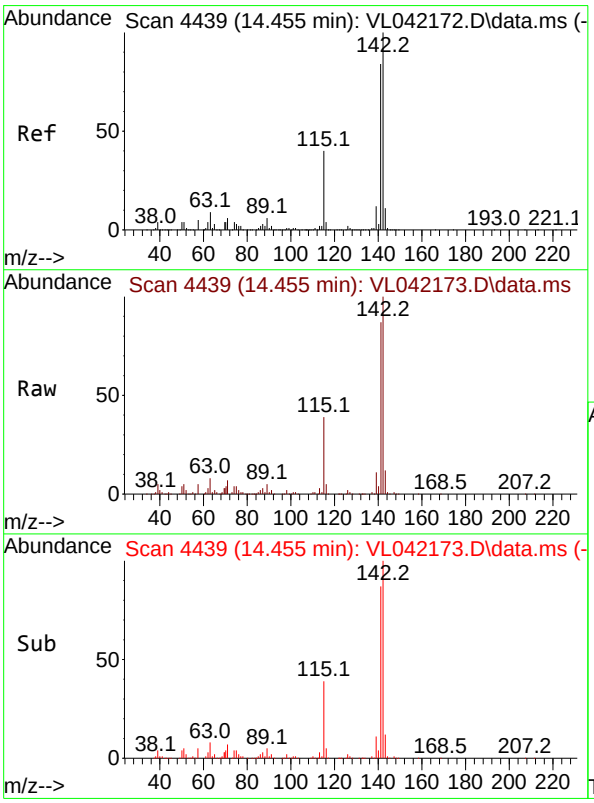
#79
Naphthalene
Concen: 2.375 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 233451

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.8	16.2
129	9.9	9.0	13.4

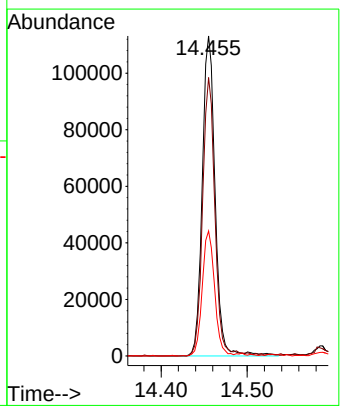


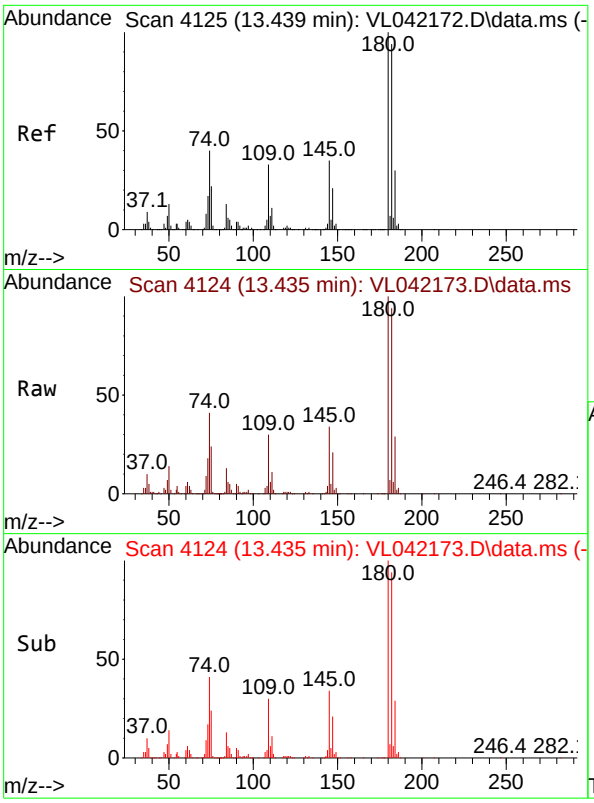


#80
Naphthalene,2-methyl-
Concen: 2.451 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:142 Resp: 117313

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.3	99.5
115	38.5	31.6	47.4



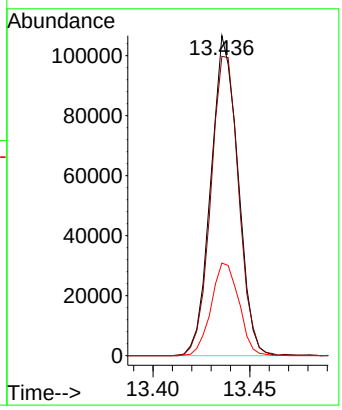


#81
1,2,4-Trichlorobenzene
Concen: 2.288 ppbv
RT: 13.435 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 103765

Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.1	112.7
184	29.6	24.4	36.6



Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	186244	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	537244	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.879	117	499830	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	404753	9.861	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	28203	1.026	ppbv		99
3) Chlorodifluoromethane	1.473	51	28693	1.021	ppbv		94
4) Chloromethane	1.531	50	11111	0.989	ppbv		99
5) Vinyl Chloride	1.577	62	10723	0.936	ppbv		98
6) Bromomethane	1.667	94	4984	0.979	ppbv		97
7) Chloroethane	1.703	64	4622	1.025	ppbv		100
8) Dichlorotetrafluoroethane	1.554	85	23886	1.020	ppbv		98
9) Propene	1.884	41	1465	0.116	ppbv		99
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	935	0.943	ppbv	#	1
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	2.033	96	10532	0.877	ppbv		86
23) Vinyl Acetate	2.464	43	10644	0.983	ppbv	#	85
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	10031	0.997	ppbv	#	49
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	14387	0.640	ppbv	#	31
44) 2,2,4-Trimethylpentane	4.632	57	90727	1.008	ppbv		96
45) t-1,3-Dichloropropene	6.412	75	13431	0.555	ppbv		97

Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

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	34358	0.556	ppbv	#	39
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	9.545	91	73295	1.033	ppbv	#	31
60) o-Xylene	9.960	91	73702	1.037	ppbv		96
61) Styrene	9.866	104	36110	1.027	ppbv		97
62) Isopropylbenzene	10.536	105	109897	1.034	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.960	83	44431	1.029	ppbv		99
64) n-propylbenzene	10.986	120	29054	1.062	ppbv		98
65) tert-Butylbenzene	11.526	119	103520	1.053	ppbv		96
66) Benzyl Chloride	11.614	91	10660	1.022	ppbv	#	93
67) sec-Butylbenzene	11.762	105	149660	1.095	ppbv		97
69) p-Isopropyltoluene	11.921	119	127509	1.084	ppbv		99
70) n-Butylbenzene	12.280	91	129860	1.079	ppbv		99
71) 2-Chlorotoluene	10.898	91	86356	1.047	ppbv		100
72) 4-Ethyltoluene	11.122	105	92912	1.050	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	83497	1.080	ppbv		92
74) 1,2,4-Trimethylbenzene	11.533	105	97858	1.099	ppbv		94
75) 1,3-Dichlorobenzene	11.604	146	51096	1.046	ppbv		99
76) 1,4-Dichlorobenzene	11.669	146	50841	1.046	ppbv		99
77) 1,2-Dichlorobenzene	11.944	146	51523	1.084	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	55611	1.149	ppbv		97
79) Naphthalene	13.510	128	109031	1.120	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	44518	0.939	ppbv		99
81) 1,2,4-Trichlorobenzene	13.436	180	47040	1.047	ppbv		98

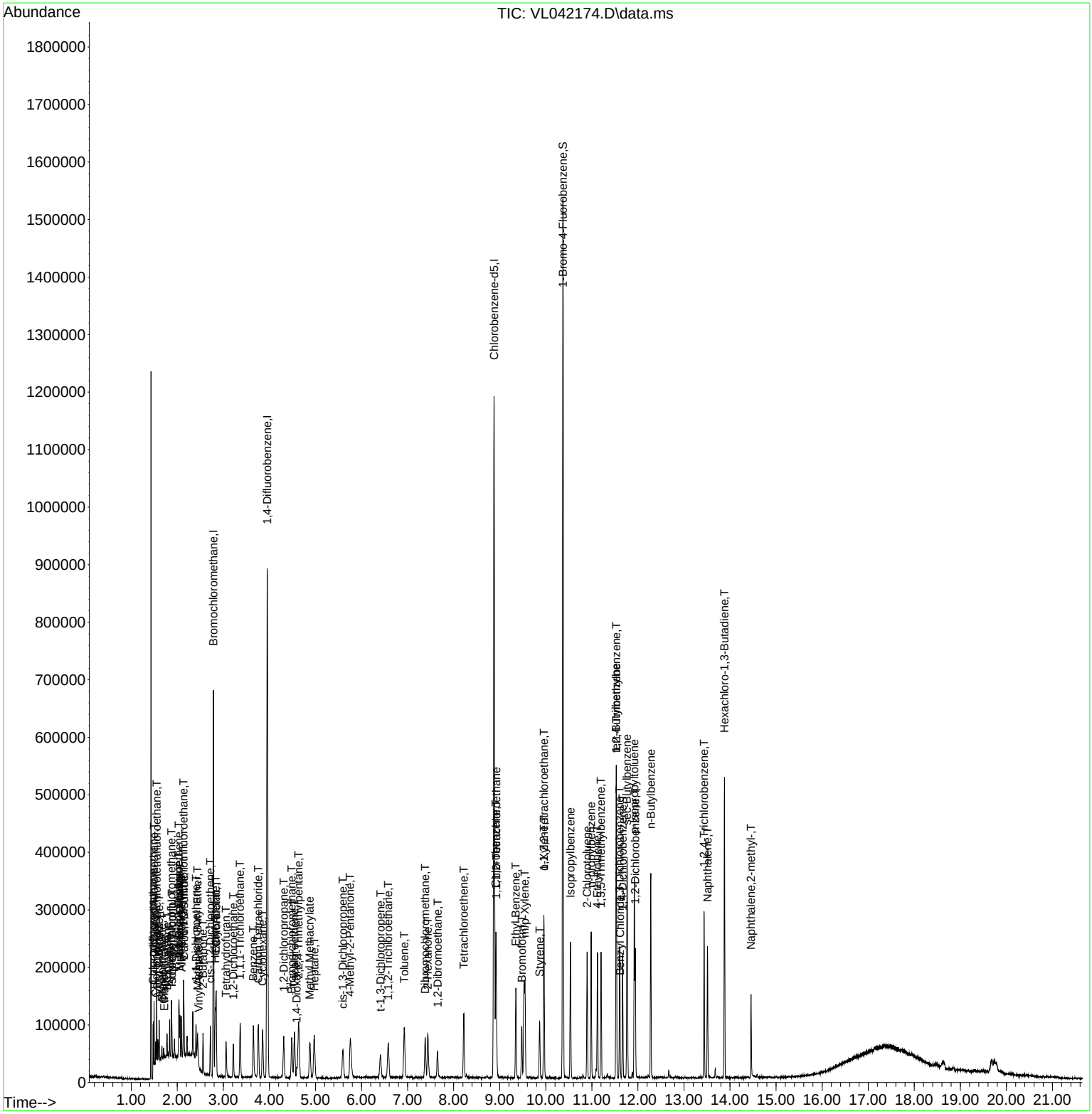
(#) = qualifier out of range (m) = manual integration (+) = signals summed

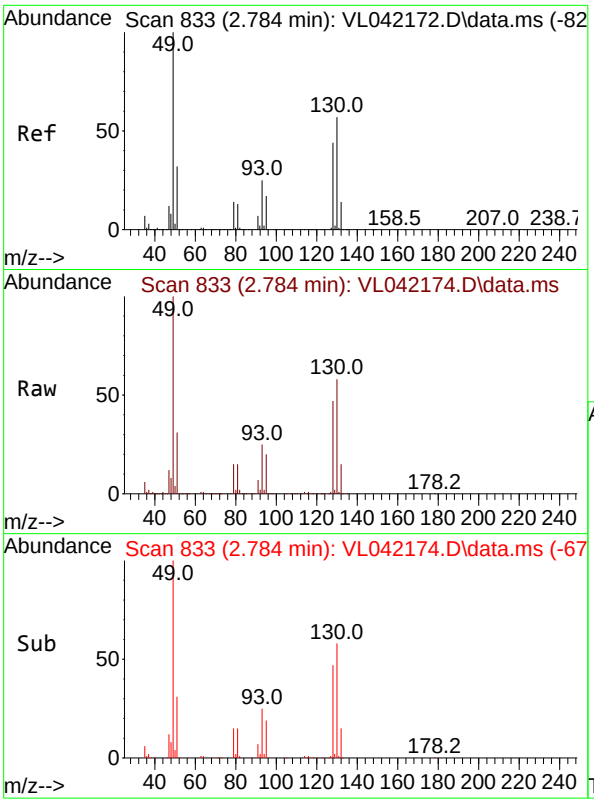
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration



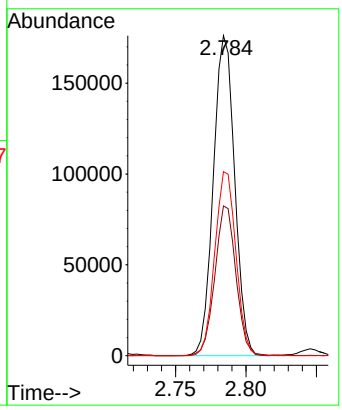


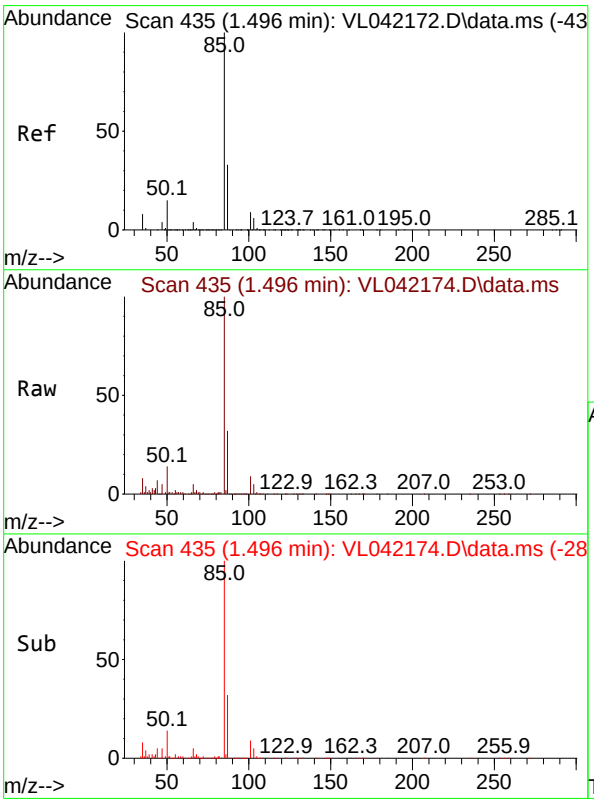
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 186244

Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.9	68.5
130	57.0	28.8	86.4

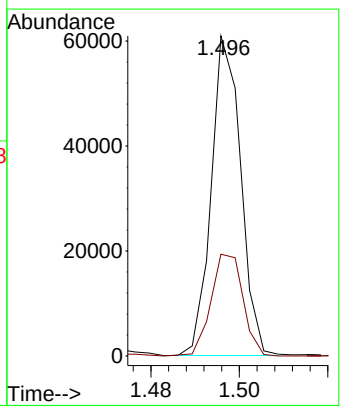


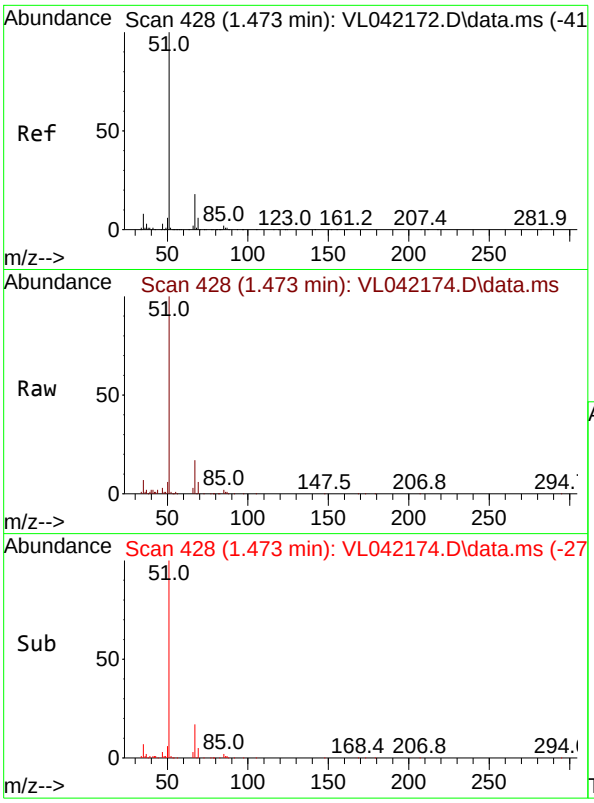


#2
Dichlorodifluoromethane
Concen: 1.026 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 85 Resp: 28203

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.1	39.1



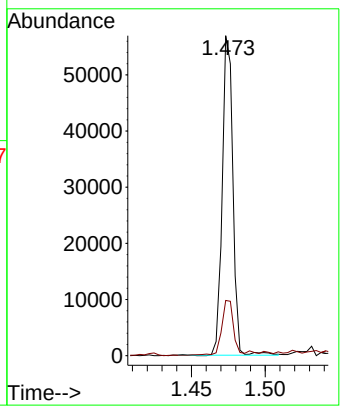


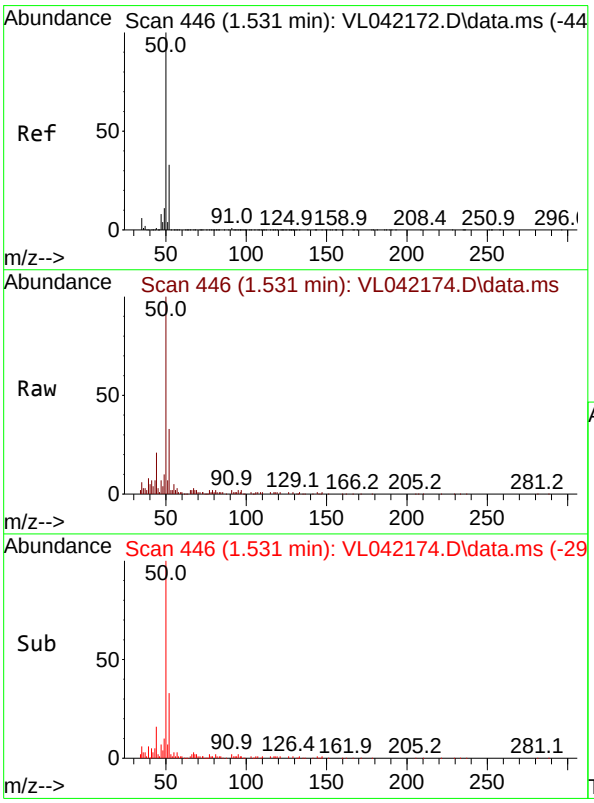
#3
Chlorodifluoromethane
Concen: 1.021 ppbv
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 28693

Ion	Ratio	Lower	Upper
51	100		
67	21.5	15.0	22.6

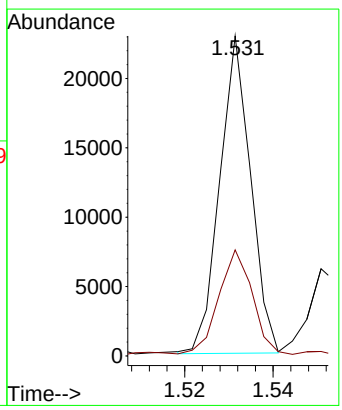


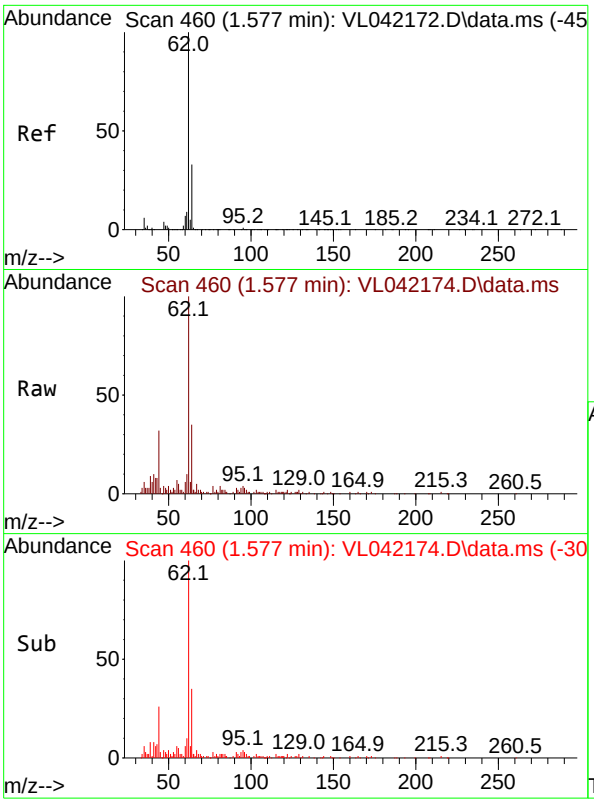


#4
Chloromethane
Concen: 0.989 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 50 Resp: 11111

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.1	39.1



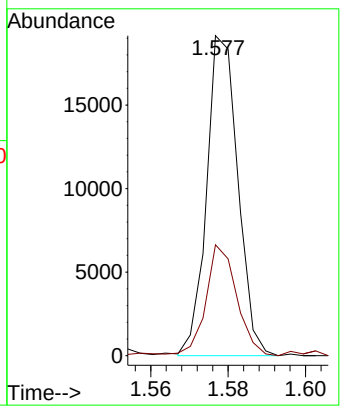


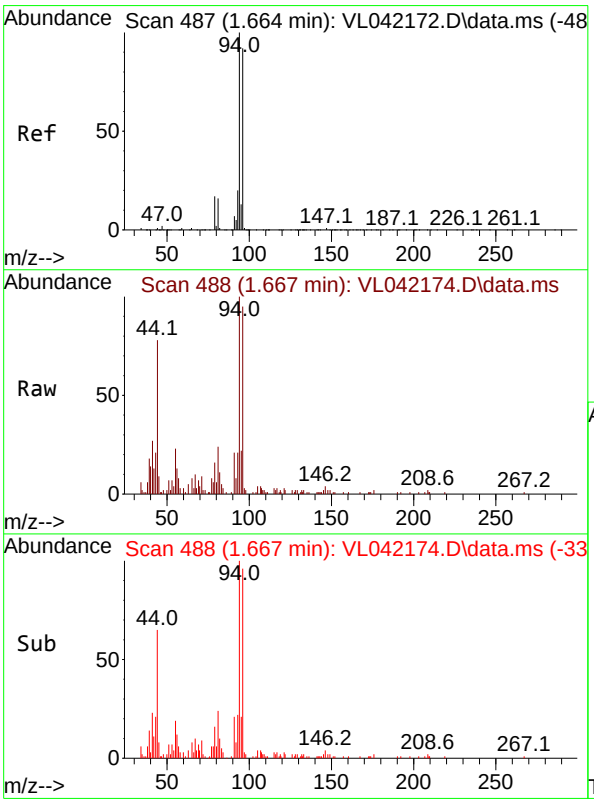
#5
Vinyl Chloride
Concen: 0.936 ppbv
RT: 1.577 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 10723

Ion	Ratio	Lower	Upper
62	100		
64	34.6	26.6	40.0

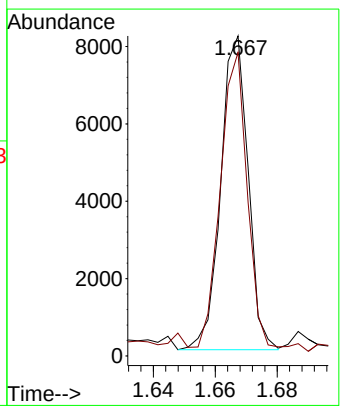


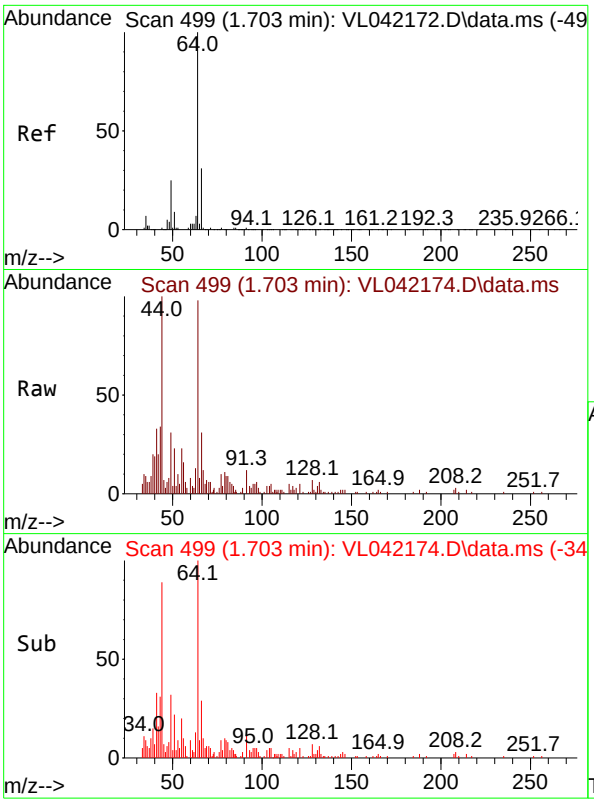


#6
Bromomethane
Concen: 0.979 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 94 Resp: 4984

Ion	Ratio	Lower	Upper
94	100		
96	93.8	73.1	109.7



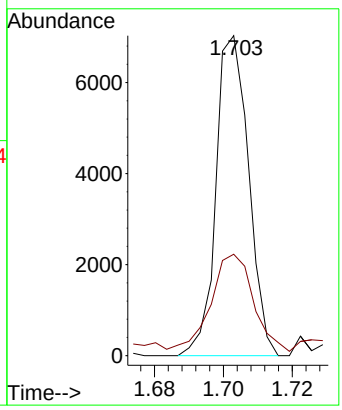


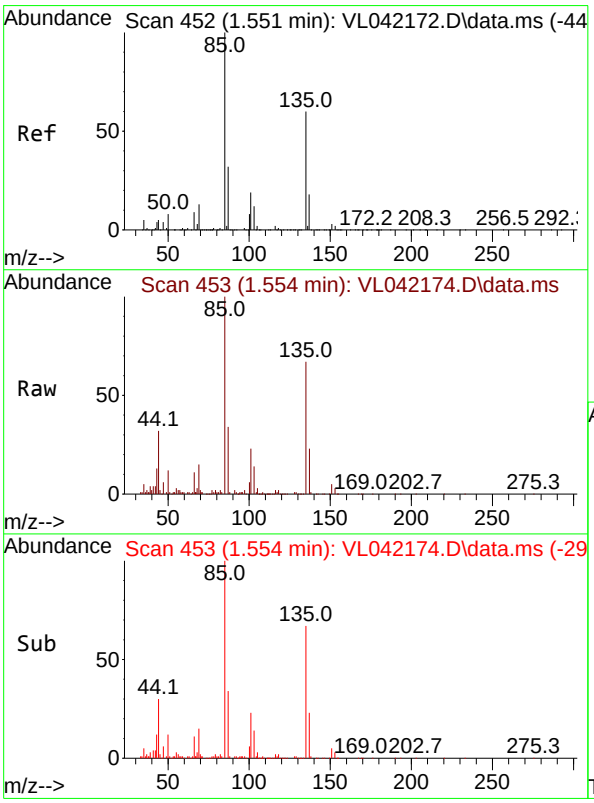
#7
Chloroethane
Concen: 1.025 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 4622

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.2	37.8

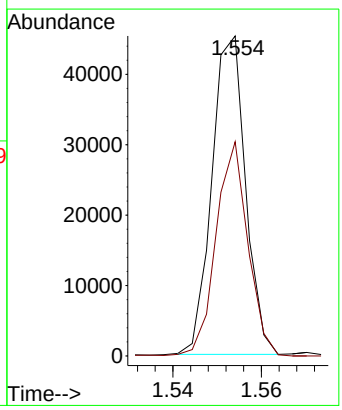


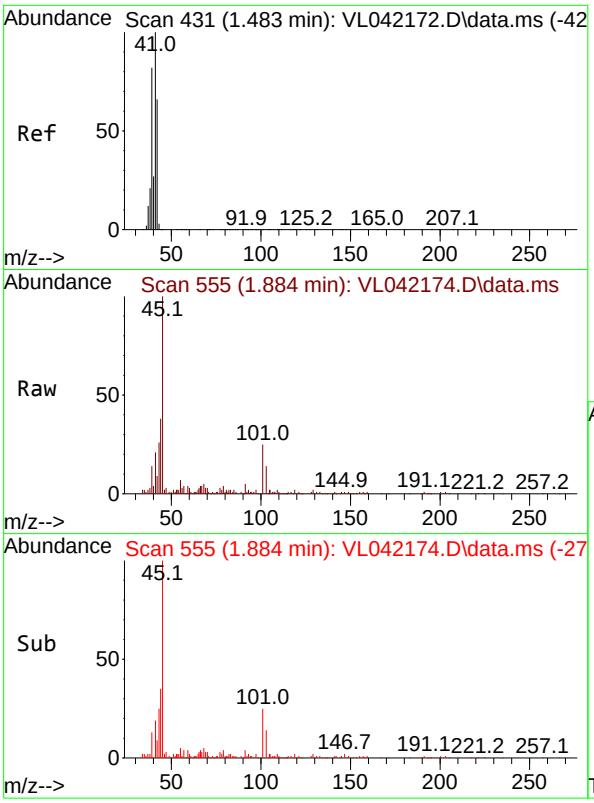


#8
Dichlorotetrafluoroethane
Concen: 1.020 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 85 Resp: 23886

Ion	Ratio	Lower	Upper
85	100		
135	64.2	52.4	78.6



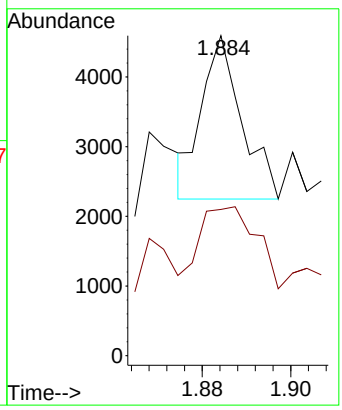


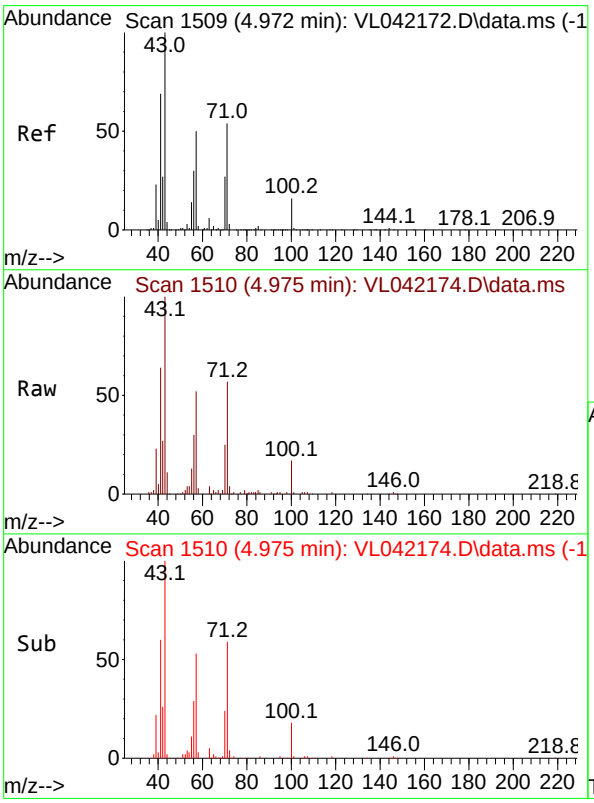
#9
Propene
Concen: 0.116 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.401 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 1465

Ion	Ratio	Lower	Upper
41	100		
42	69.8	55.4	83.2

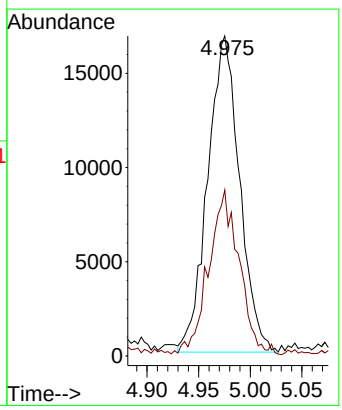


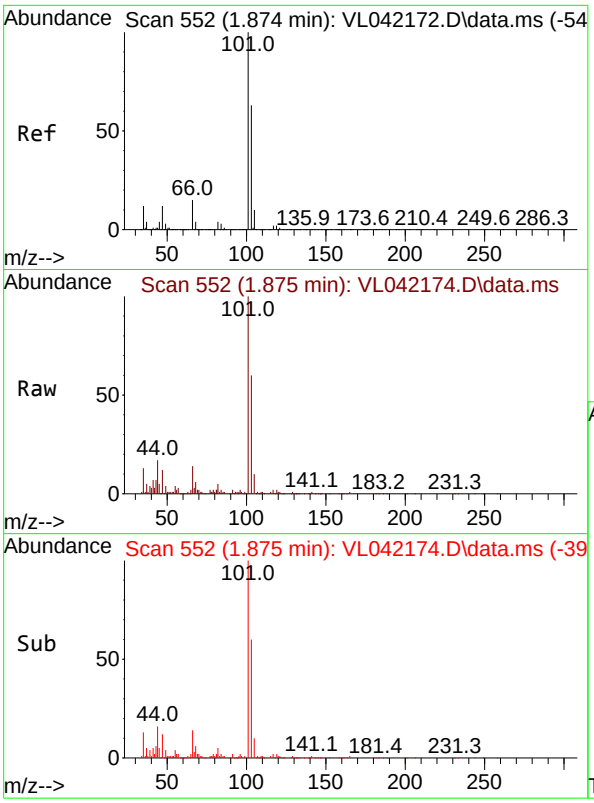


#10
Heptane
Concen: 1.055 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 36132

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.4	59.2



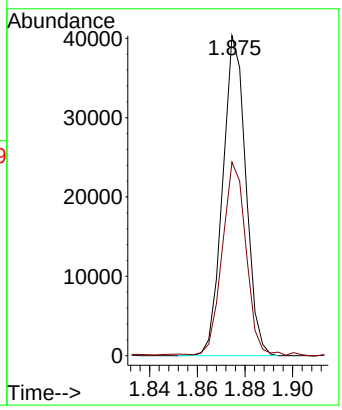


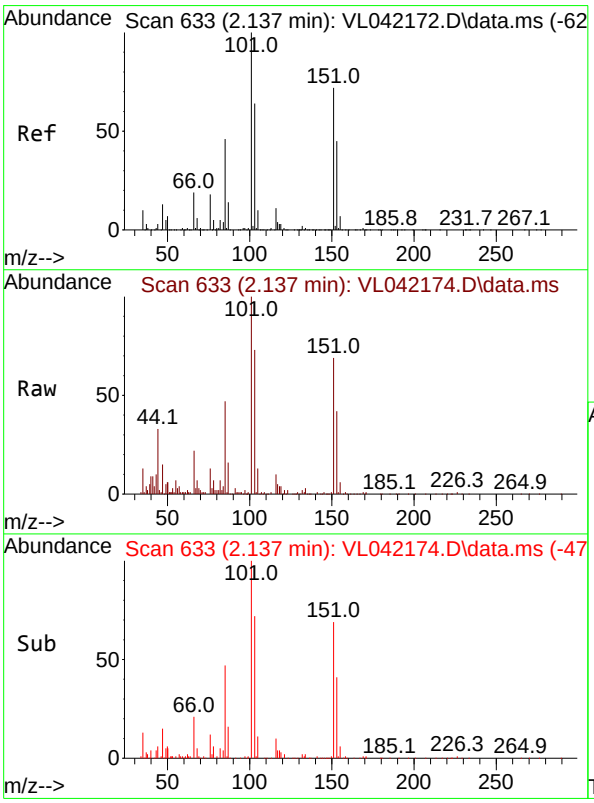
#11
Trichlorofluoromethane
Concen: 1.014 ppbv
RT: 1.875 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 27136

Ion	Ratio	Lower	Upper
101	100		
103	59.9	50.2	75.2

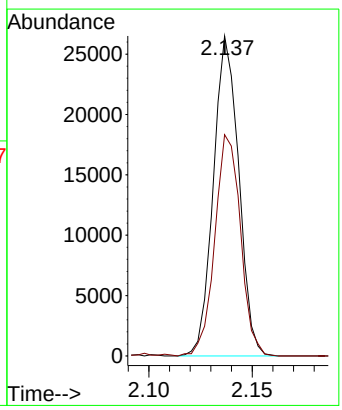


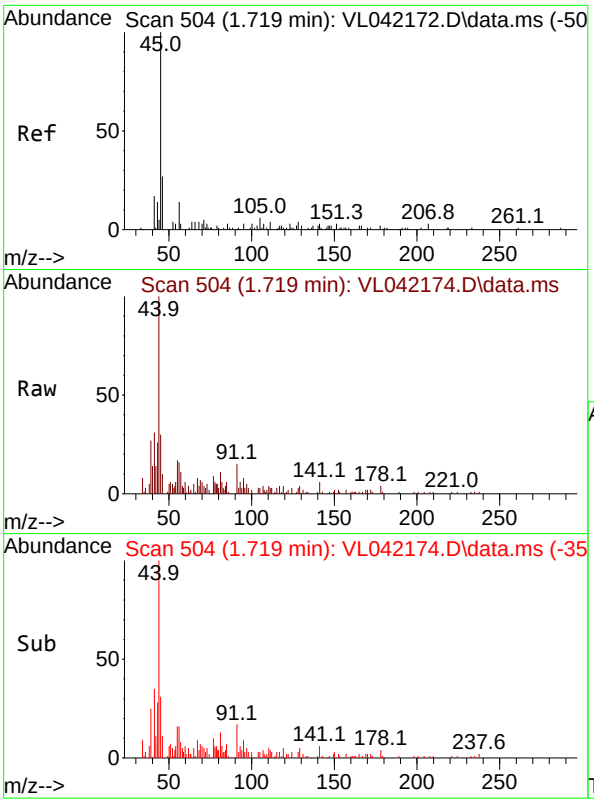


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.029 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:101 Resp: 22629

Ion	Ratio	Lower	Upper
101	100		
151	70.3	57.1	85.7



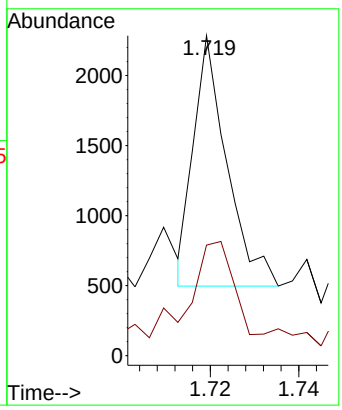


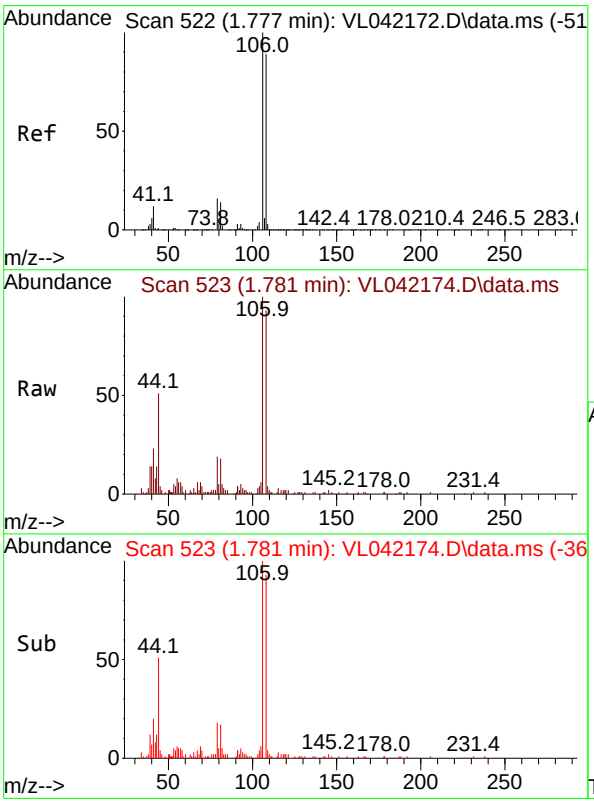
#13
Ethanol
Concen: 0.943 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 935

Ion	Ratio	Lower	Upper
45	100		
46	126.3	20.2	80.8#

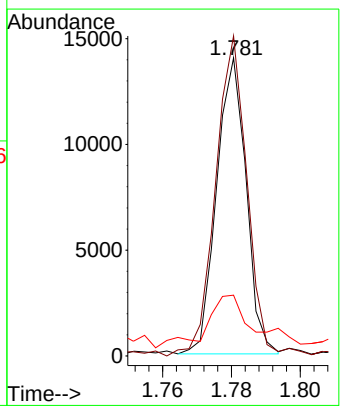


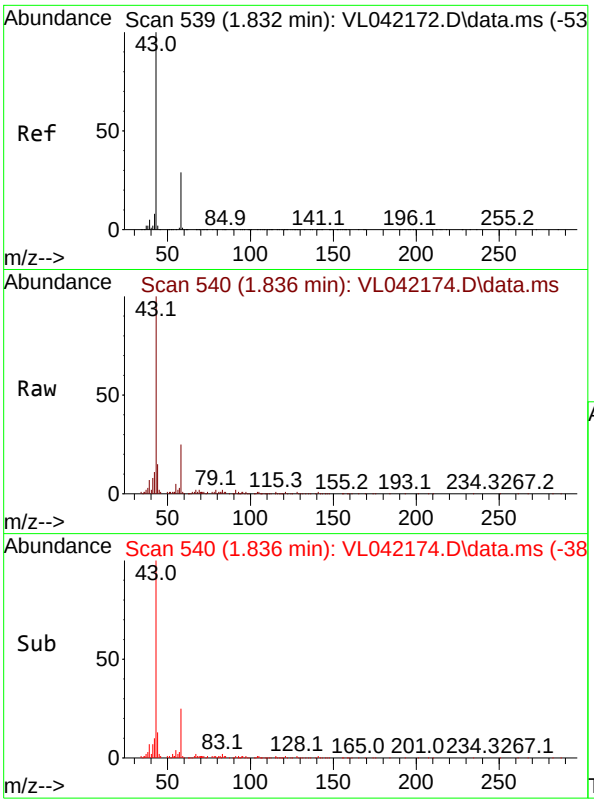


#14
Bromoethene
Concen: 0.989 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:108 Resp: 8330

Ion	Ratio	Lower	Upper
108	100		
106	115.2	86.8	130.2
79	57.0	15.0	22.6#



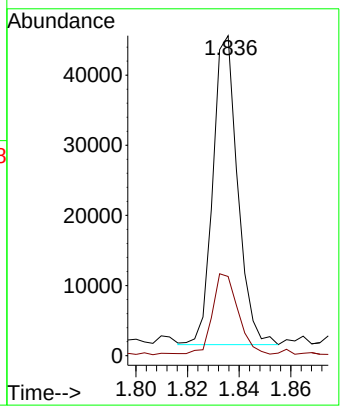


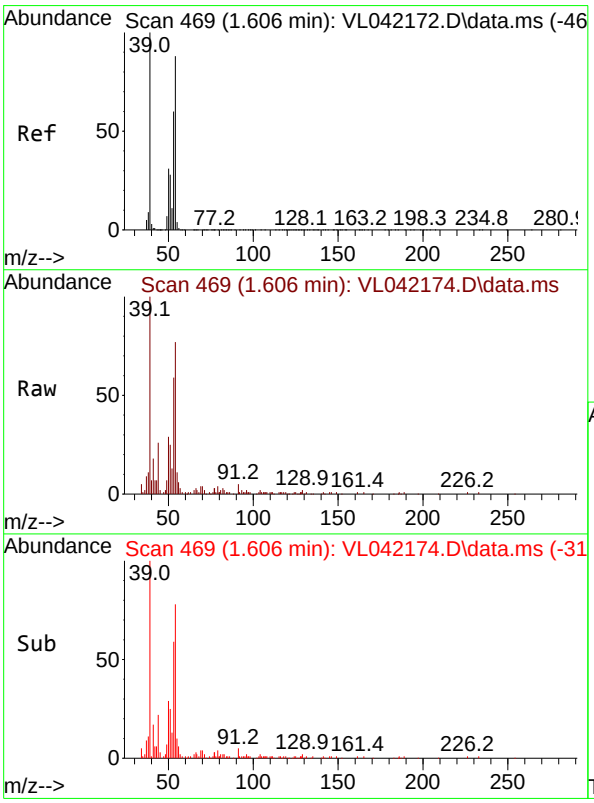
#15
Acetone
Concen: 1.125 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 29294

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.2	34.8

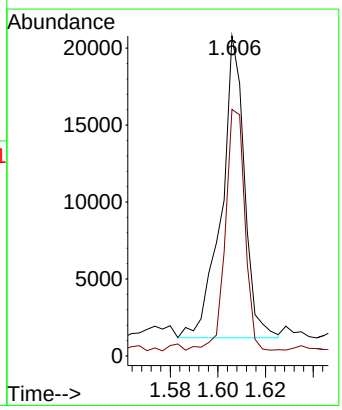


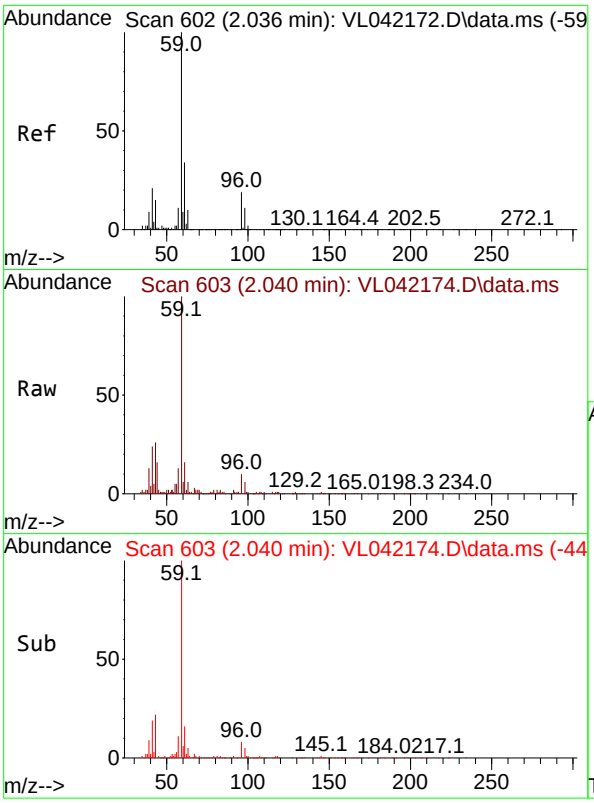


#16
1,3-Butadiene
Concen: 1.121 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 39 Resp: 13133

Ion	Ratio	Lower	Upper
39	100		
54	73.5	60.7	91.1



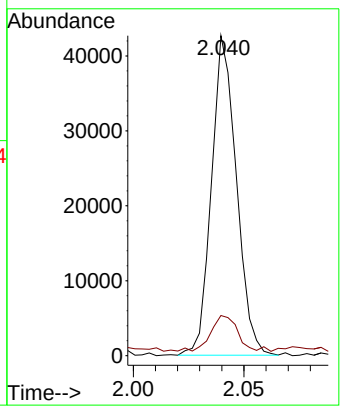


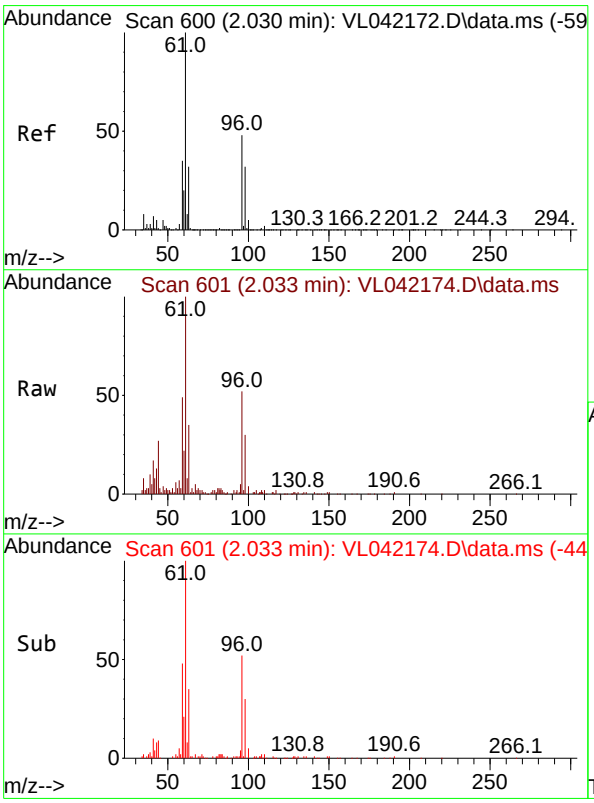
#17
tert-Butyl alcohol
Concen: 1.033 ppbv
RT: 2.040 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 33500

Ion	Ratio	Lower	Upper
59	100		
57	12.3	8.9	13.3

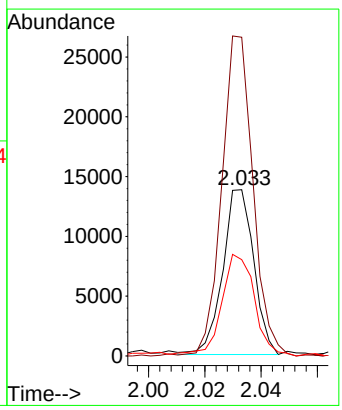


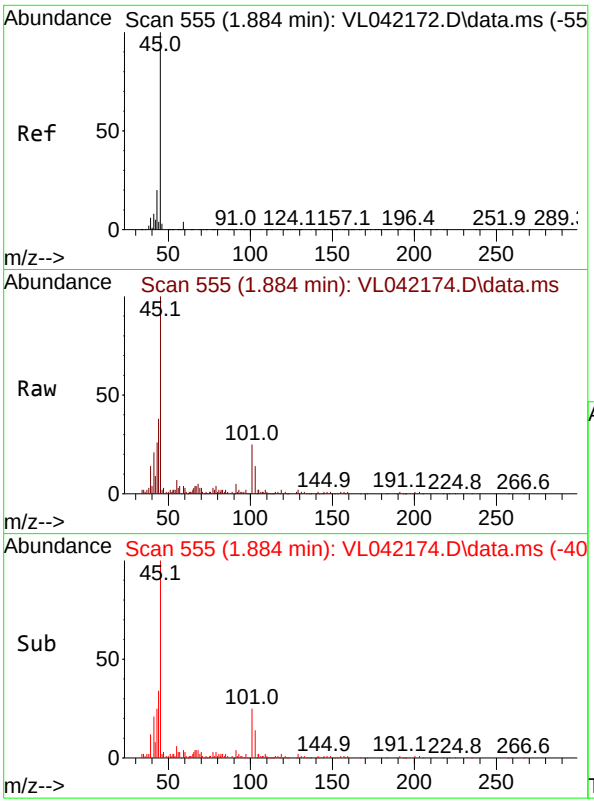


#18
1,1-Dichloroethene
Concen: 1.024 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 96 Resp: 10532

Ion	Ratio	Lower	Upper
96	100		
61	192.9	167.6	251.4
98	56.7	53.5	80.3



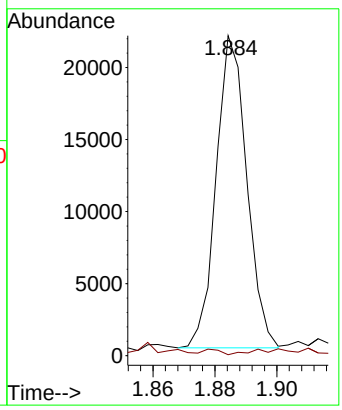


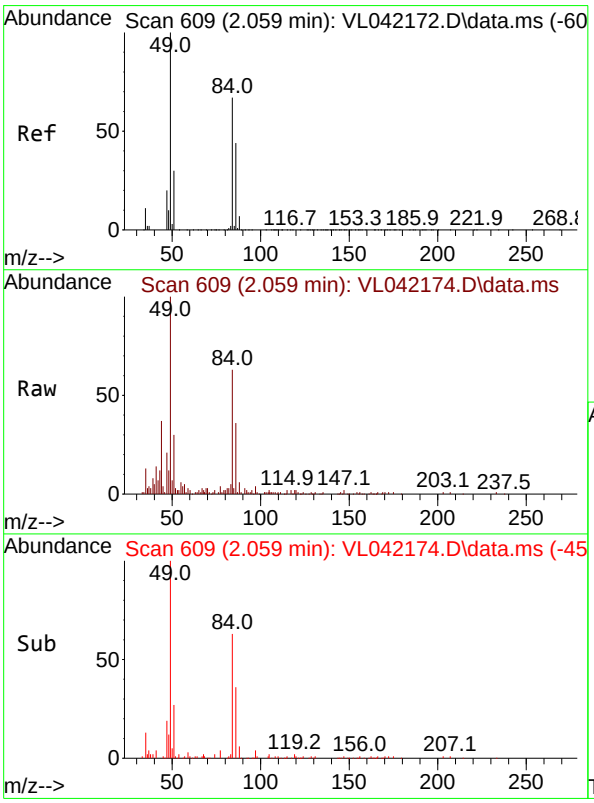
#19
Isopropyl Alcohol
Concen: 1.014 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 14903

Ion	Ratio	Lower	Upper
45	100		
58	4.9	36.9	55.3#

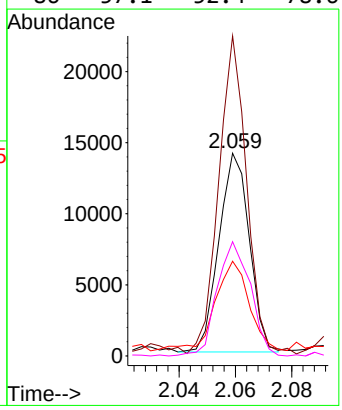


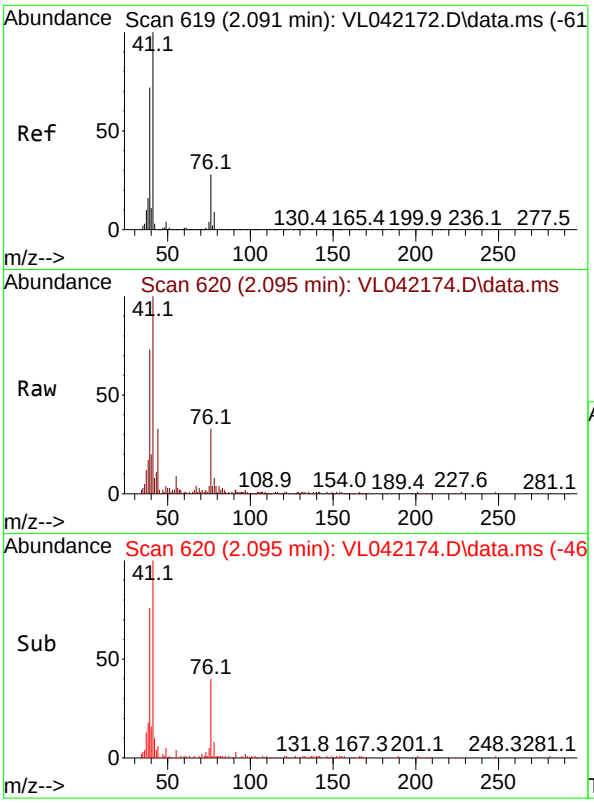


#20
Methylene Chloride
Concen: 1.080 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 84 Resp: 10481

Ion	Ratio	Lower	Upper
84	100		
49	158.3	120.2	180.4
51	44.3	37.4	56.0
86	57.1	52.4	78.6



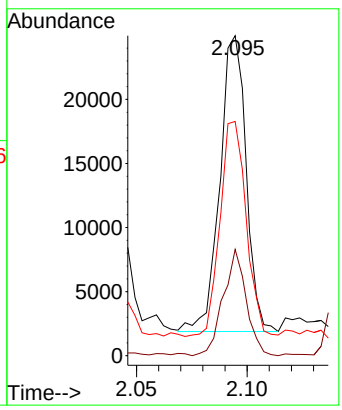


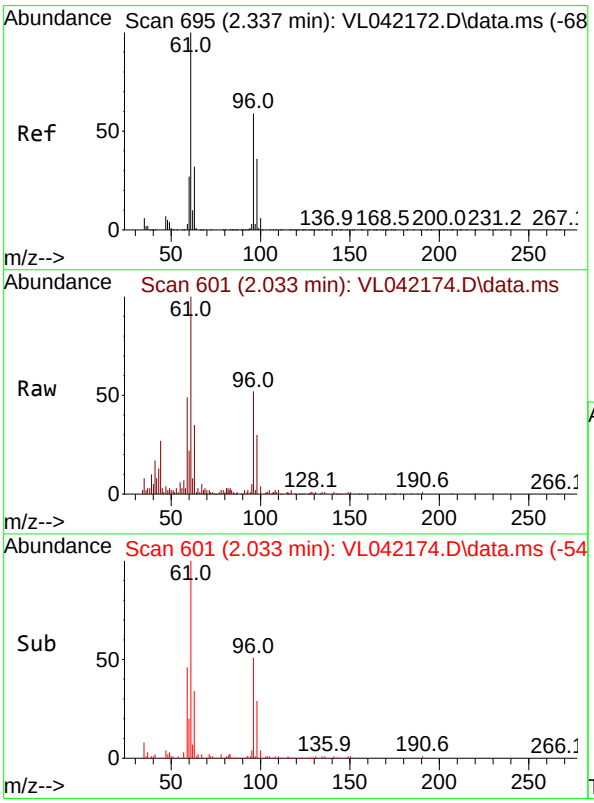
#21
Allyl Chloride
Concen: 1.036 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 19039

Ion	Ratio	Lower	Upper
41	100		
76	30.5	24.1	36.1
39	77.8	61.1	91.7

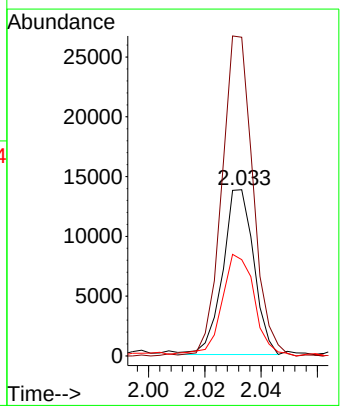


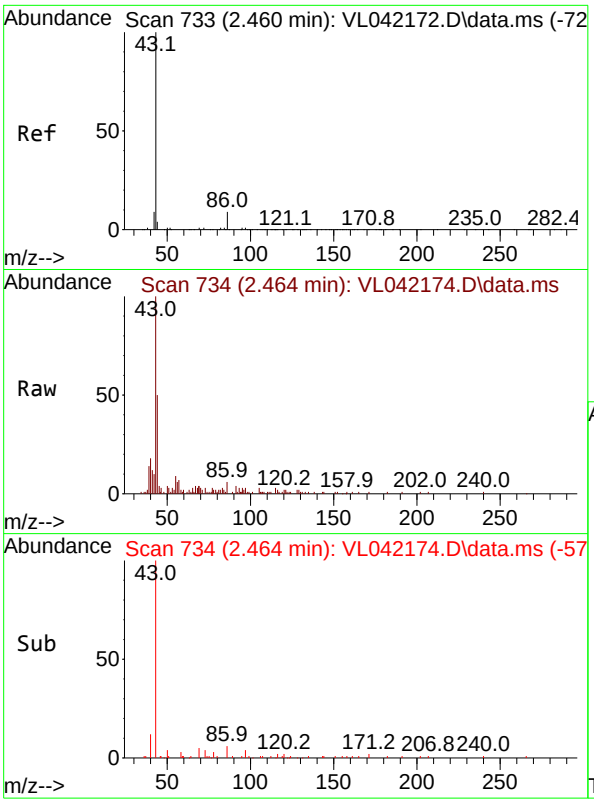


#22
trans-1,2-Dichloroethene
Concen: 0.877 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.304 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 96 Resp: 10532

Ion	Ratio	Lower	Upper
96	100		
61	192.9	136.6	204.8
98	56.7	49.4	74.2



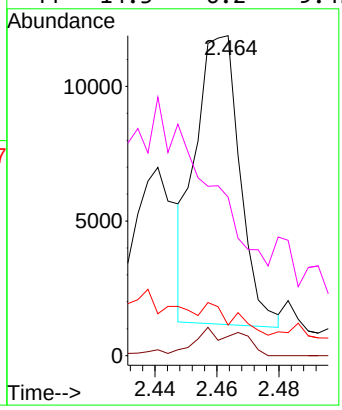


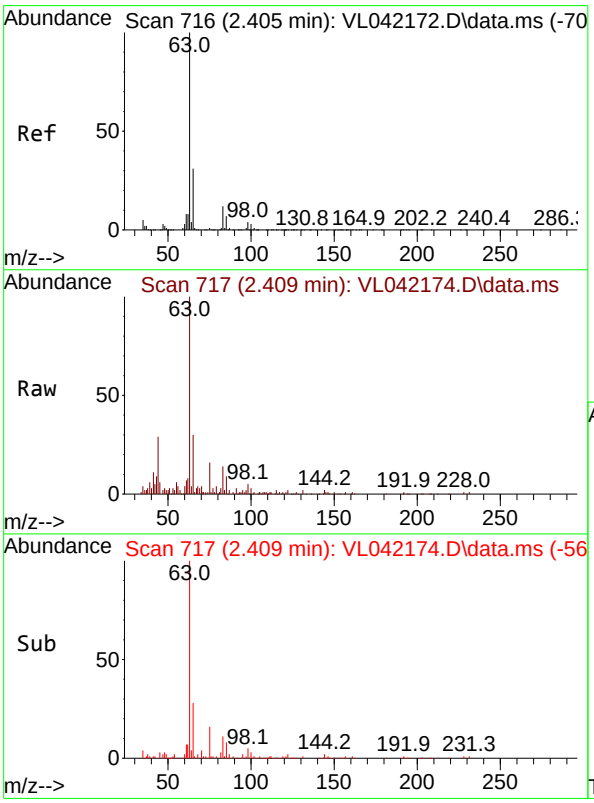
#23
Vinyl Acetate
Concen: 0.983 ppbv
RT: 2.464 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10644

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	2.4	8.6	13.0#
44	14.3	6.2	9.4#

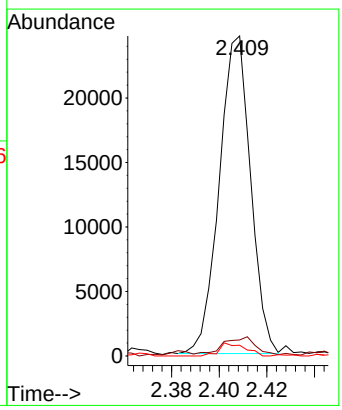


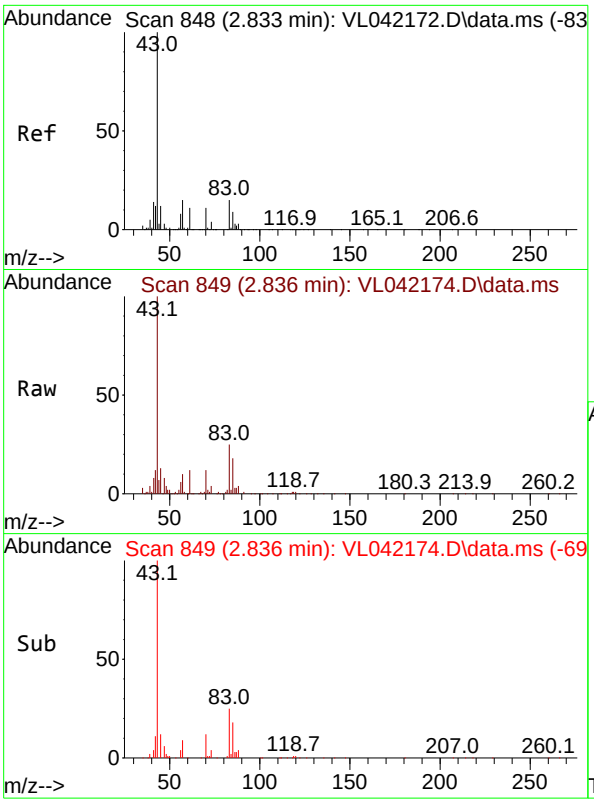


#24
1,1-Dichloroethane
Concen: 1.022 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 63 Resp: 22505

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.4	1.6	4.7



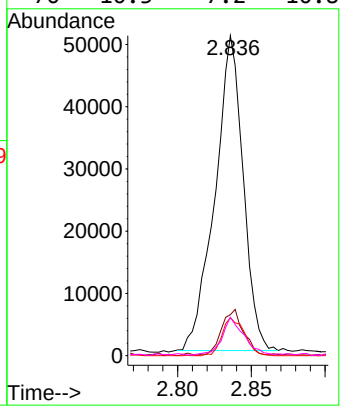


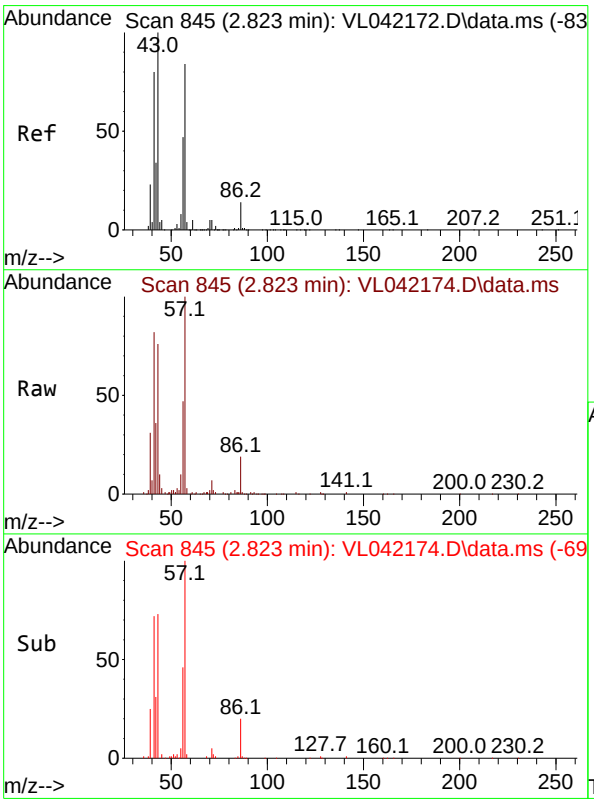
#25
Ethyl Acetate
Concen: 0.997 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 67402

Ion	Ratio	Lower	Upper
43	100		
45	12.3	8.2	12.2#
61	9.6	7.3	10.9
70	10.3	7.2	10.8

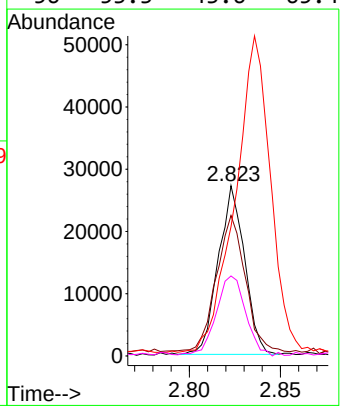


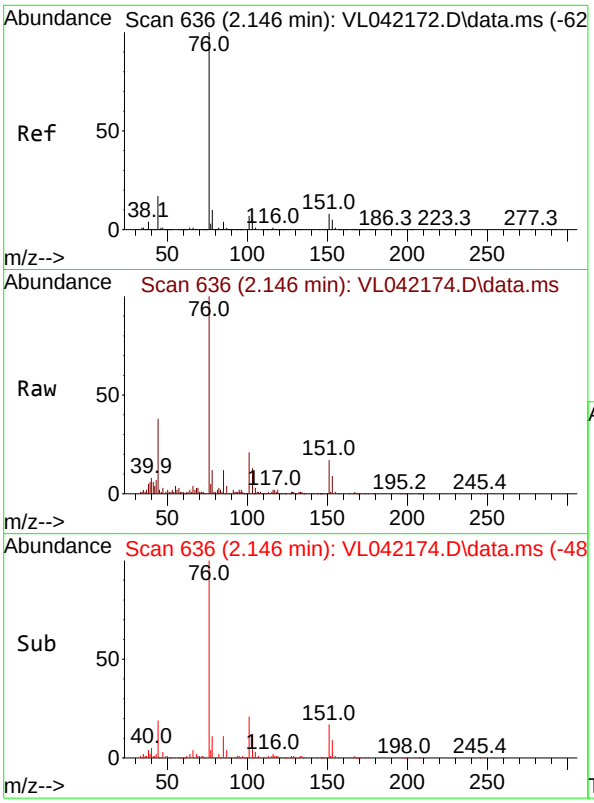


#26
Hexane
Concen: 1.043 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57 Resp: 27223

Ion	Ratio	Lower	Upper
57	100		
41	93.5	76.6	114.8
43	256.9	207.8	311.8
56	53.3	43.6	65.4



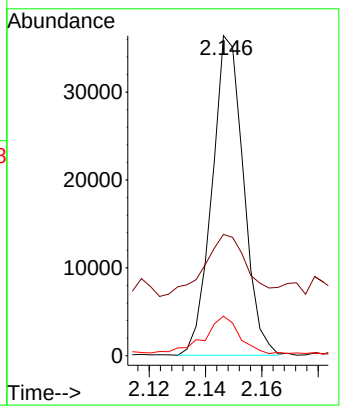


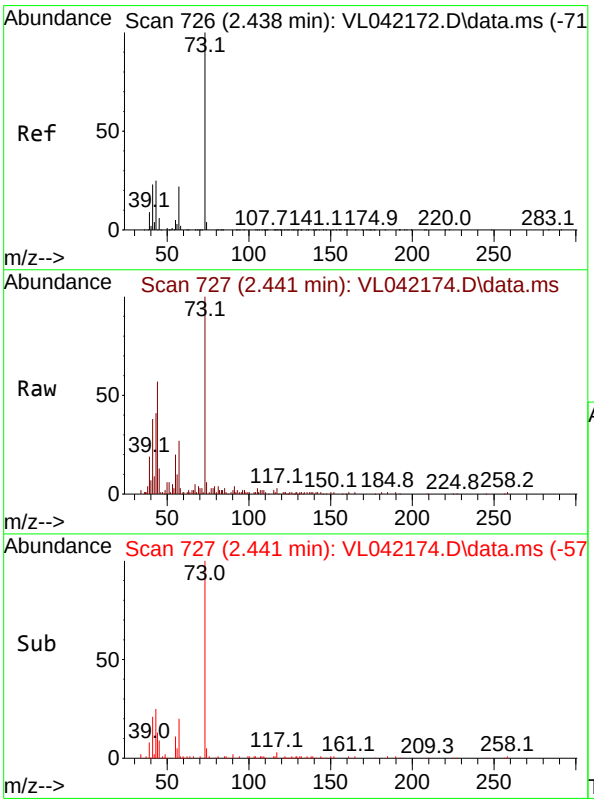
#27
Carbon Disulfide
Concen: 1.006 ppbv
RT: 2.146 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 28167

Ion	Ratio	Lower	Upper
76	100		
44	54.6	14.7	22.1#
78	15.0	9.3	13.9#

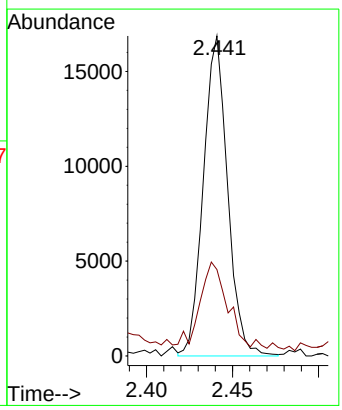


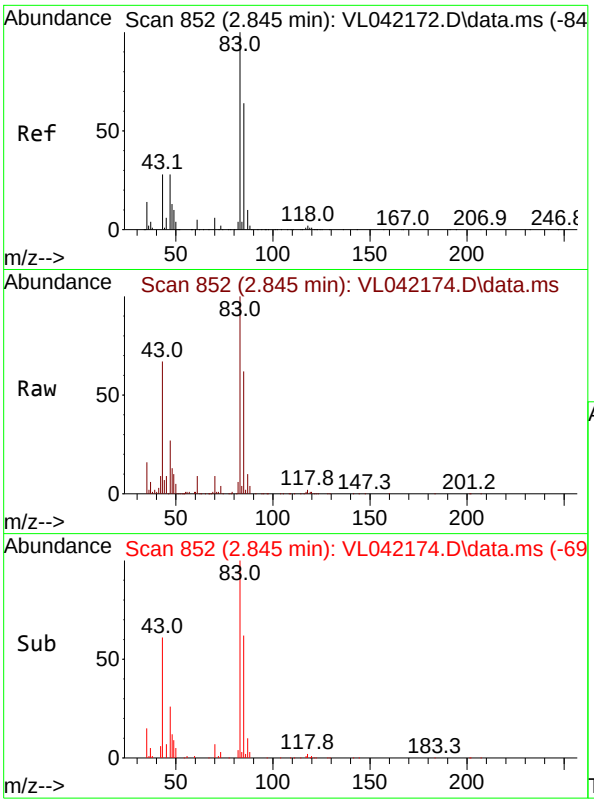


#28
Methyl tert-Butyl Ether
Concen: 1.015 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 73 Resp: 16501

Ion	Ratio	Lower	Upper
73	100		
57	28.0	20.5	30.7



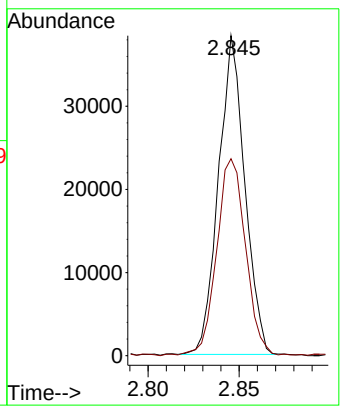


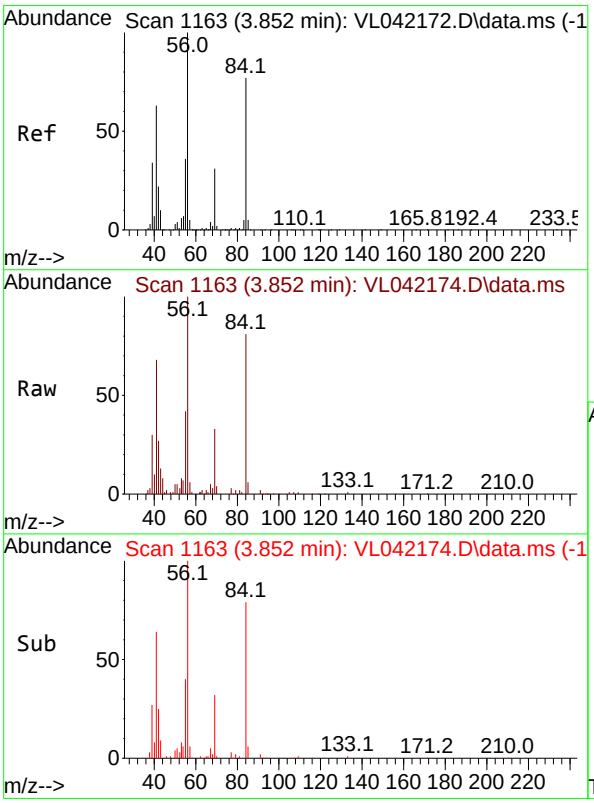
#29
Chloroform
Concen: 1.008 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 38516

Ion	Ratio	Lower	Upper
83	100		
85	61.6	51.4	77.2

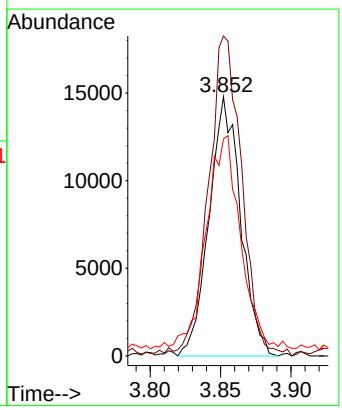


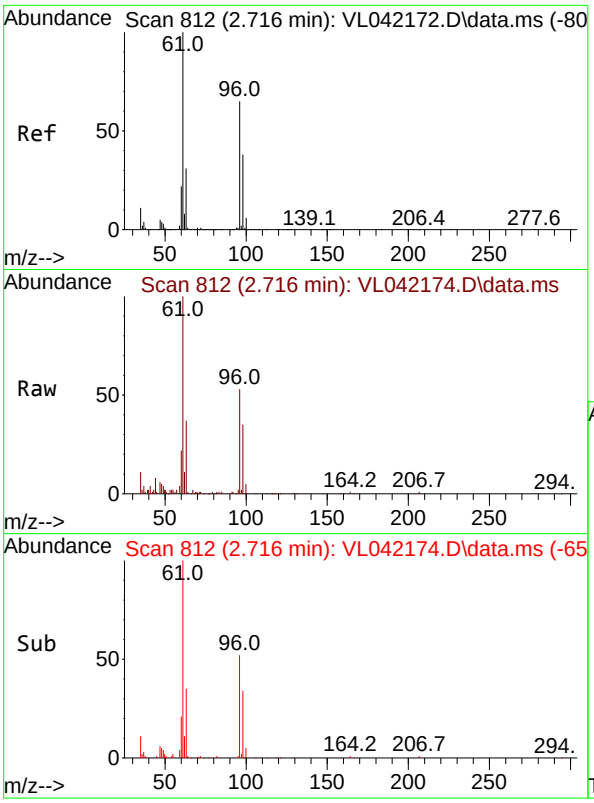


#30
Cyclohexane
Concen: 1.016 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 84 Resp: 23052

Ion	Ratio	Lower	Upper
84	100		
56	128.9	102.8	154.2
41	89.3	66.5	99.7



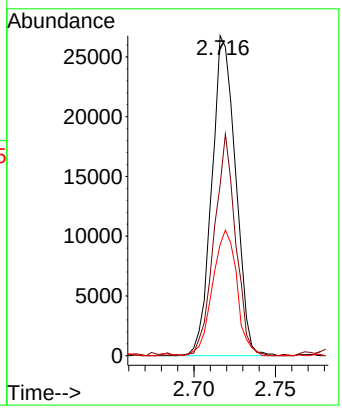


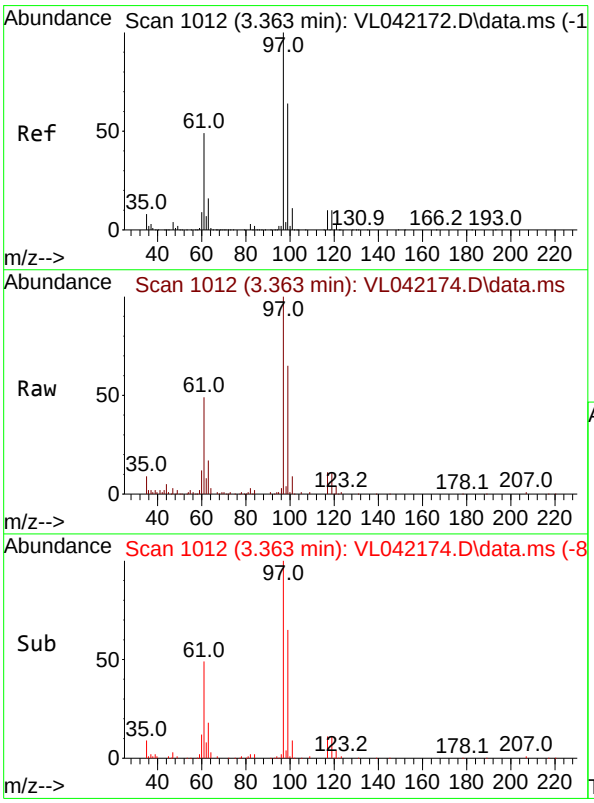
#31
cis-1,2-Dichloroethene
Concen: 1.026 ppbv
RT: 2.716 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 27187

Ion	Ratio	Lower	Upper
61	100		
96	53.3	51.8	77.8
98	34.8	30.6	46.0

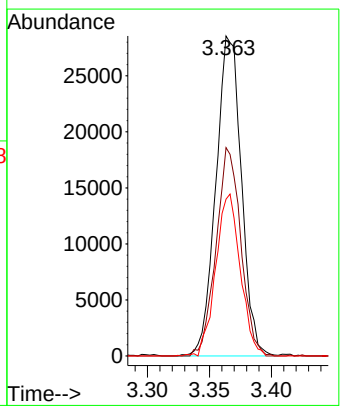


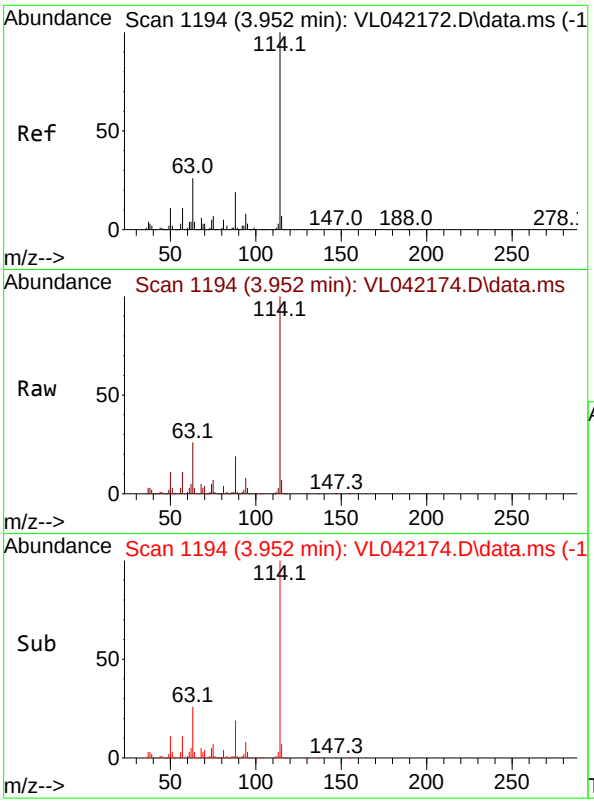


#32
1,1,1-Trichloroethane
Concen: 0.938 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 97 Resp: 40993

Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	48.8	38.7	58.1



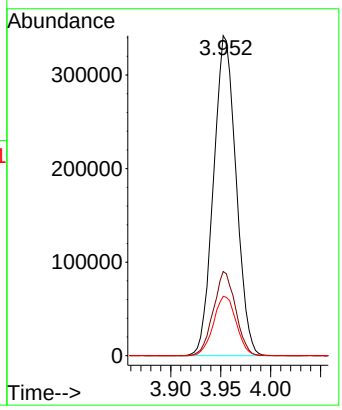


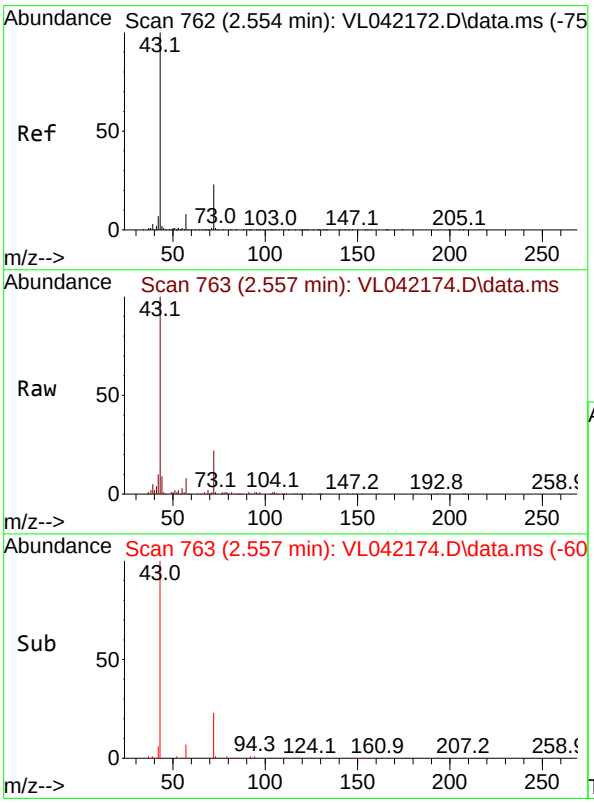
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 537244

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	18.8	15.0	22.4

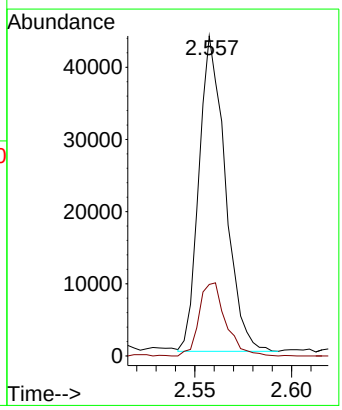


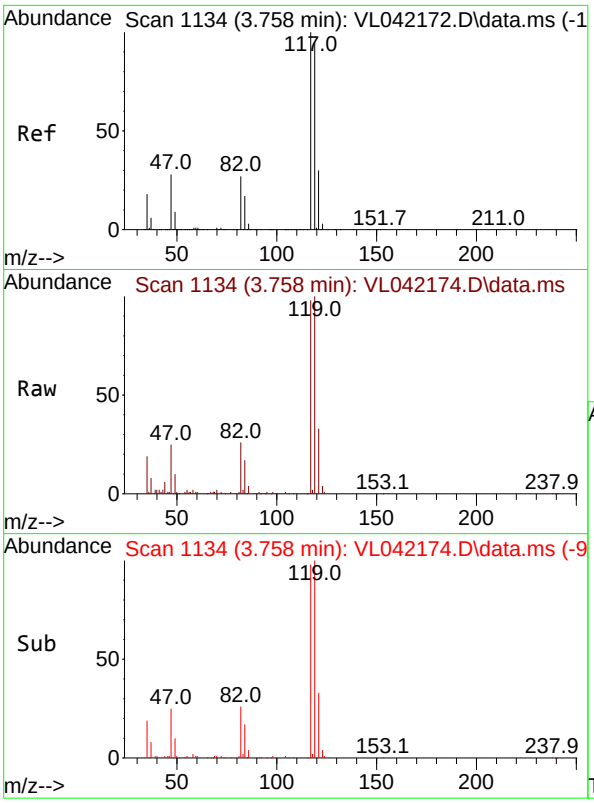


#34
2-Butanone
Concen: 1.063 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 41423

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.2	27.2



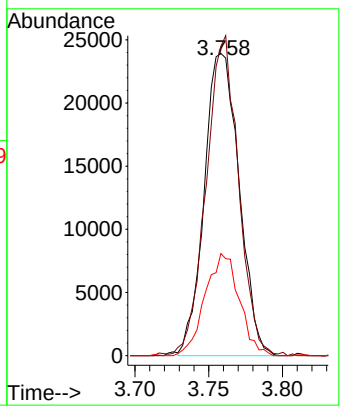


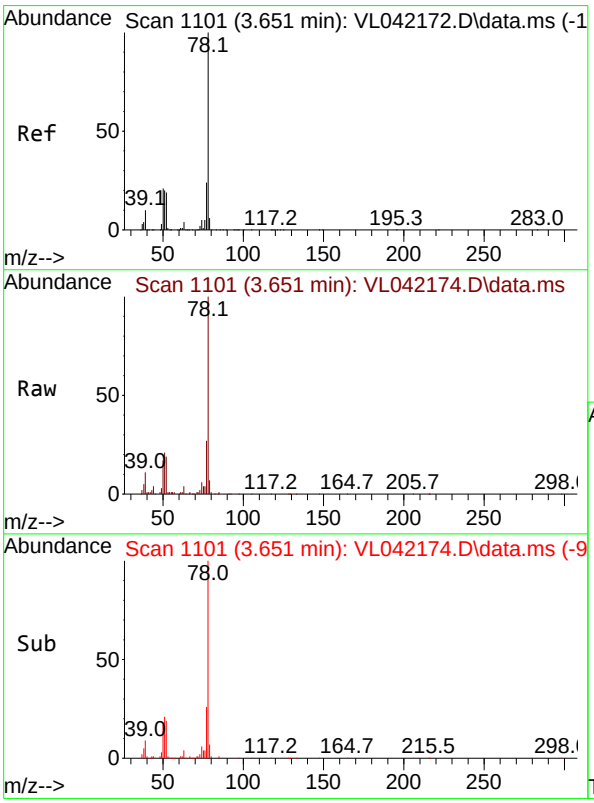
#35
Carbon Tetrachloride
Concen: 0.952 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 39345

Ion	Ratio	Lower	Upper
117	100		
119	101.8	76.2	114.2
121	33.7	24.2	36.4

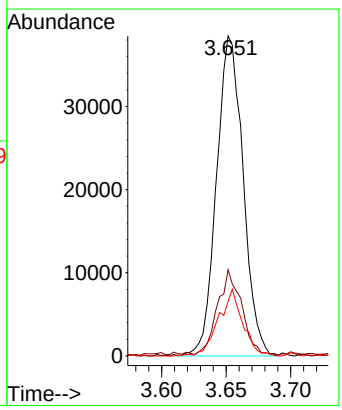


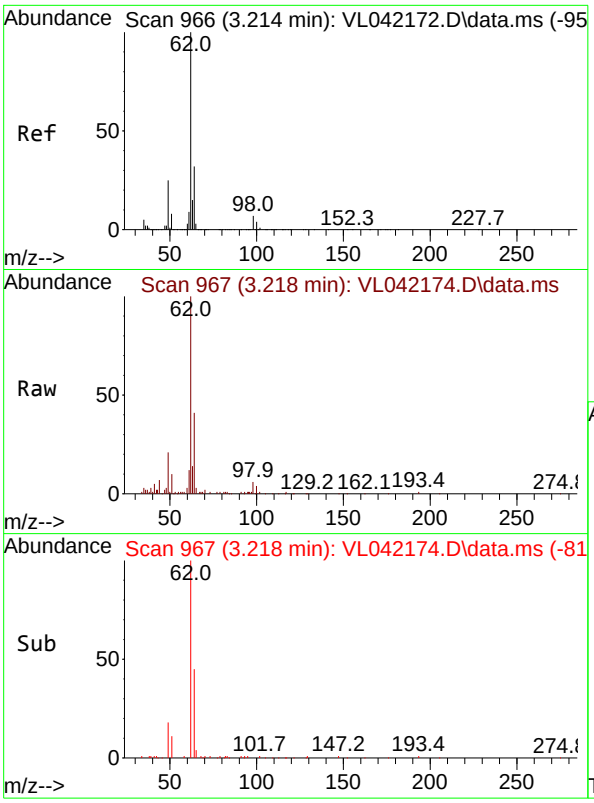


#36
Benzene
Concen: 1.036 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 78 Resp: 55156

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7
50	17.1	16.6	24.8



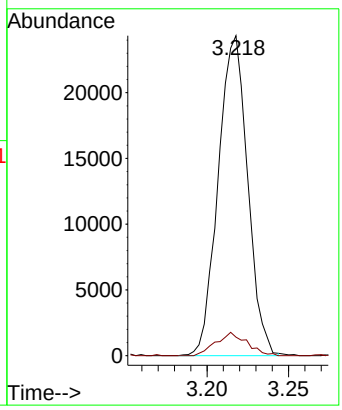


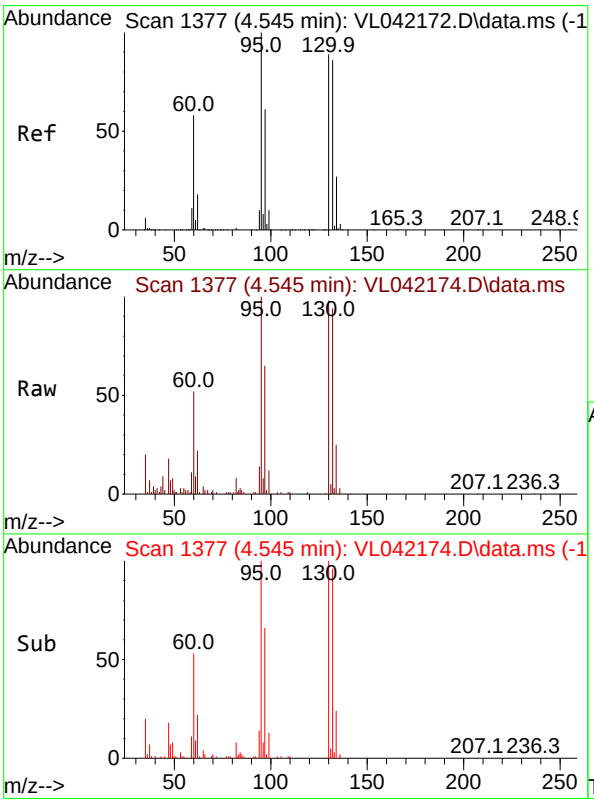
#37
1,2-Dichloroethane
Concen: 1.002 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 30543

Ion	Ratio	Lower	Upper
62	100		
98	7.6	5.4	8.2

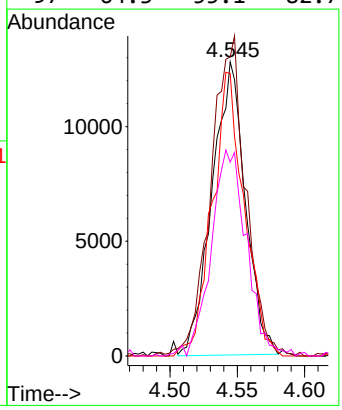


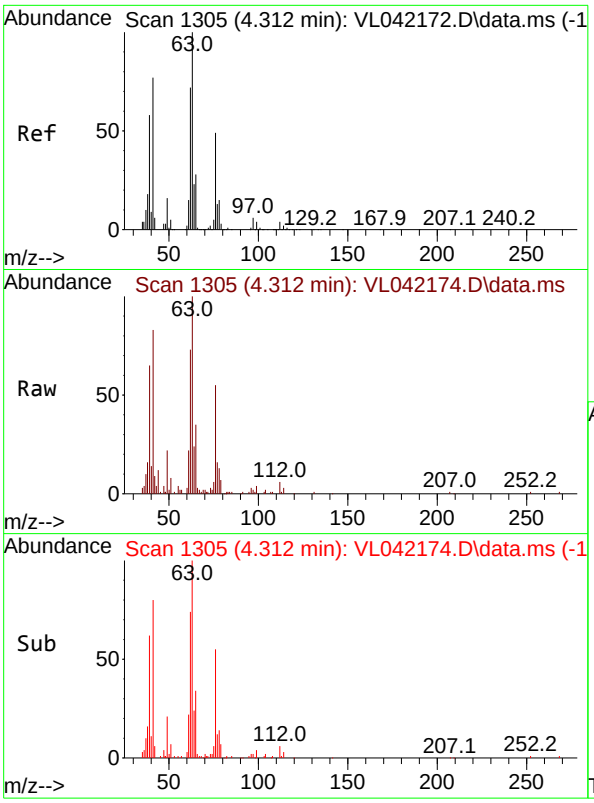


#38
Trichloroethene
Concen: 0.985 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:130 Resp: 21906

Ion	Ratio	Lower	Upper
130	100		
95	100.2	89.8	134.8
132	95.3	77.4	116.2
97	64.3	55.1	82.7



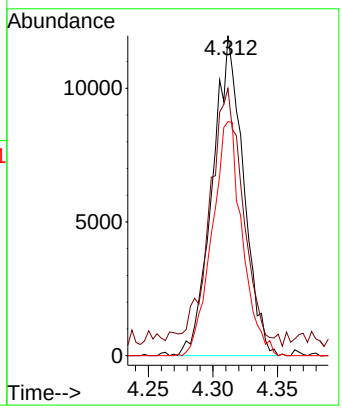


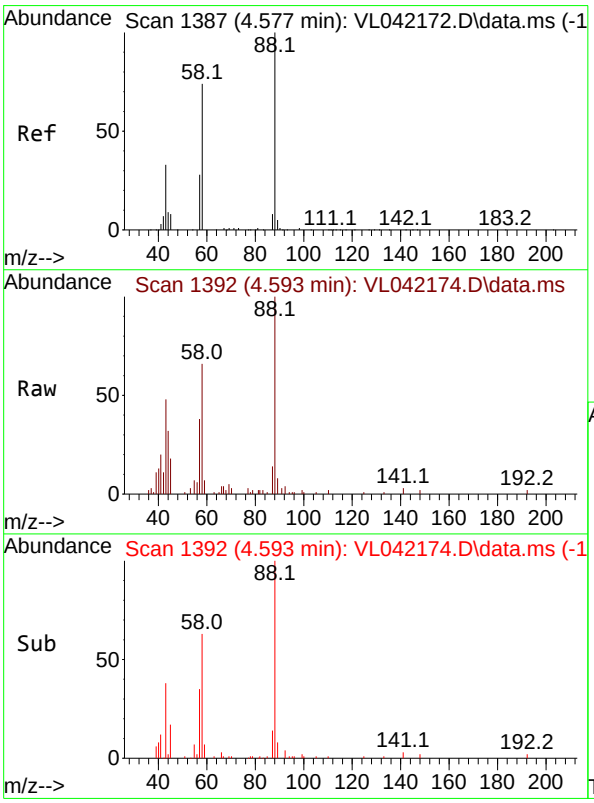
#39
1,2-Dichloropropane
Concen: 1.032 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 20020

Ion	Ratio	Lower	Upper
63	100		
41	76.8	61.7	92.5
62	73.1	57.6	86.4

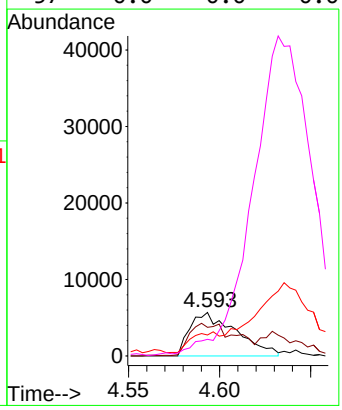


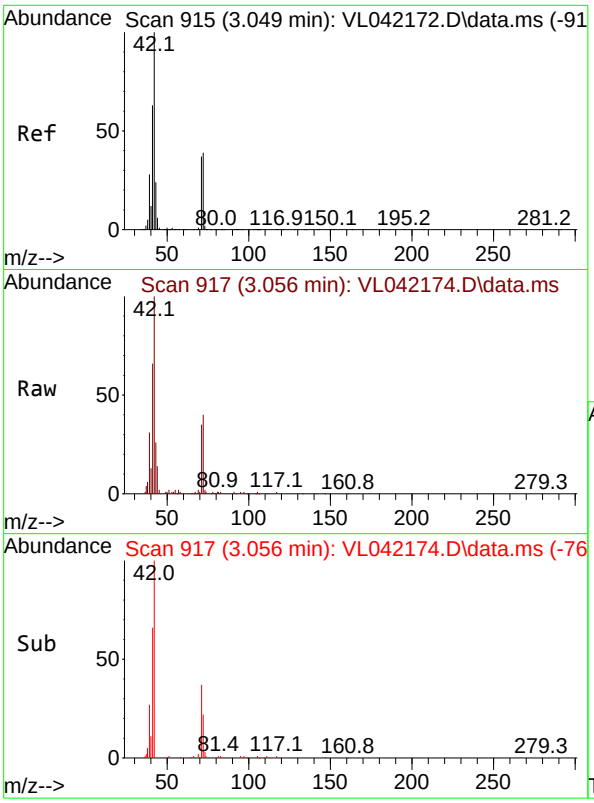


#40
1,4-Dioxane
Concen: 0.997 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.016 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 88 Resp: 10031

Ion	Ratio	Lower	Upper
88	100		
58	121.8	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0



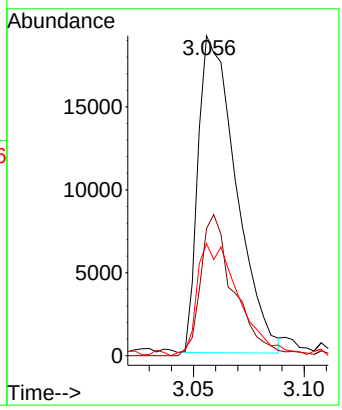


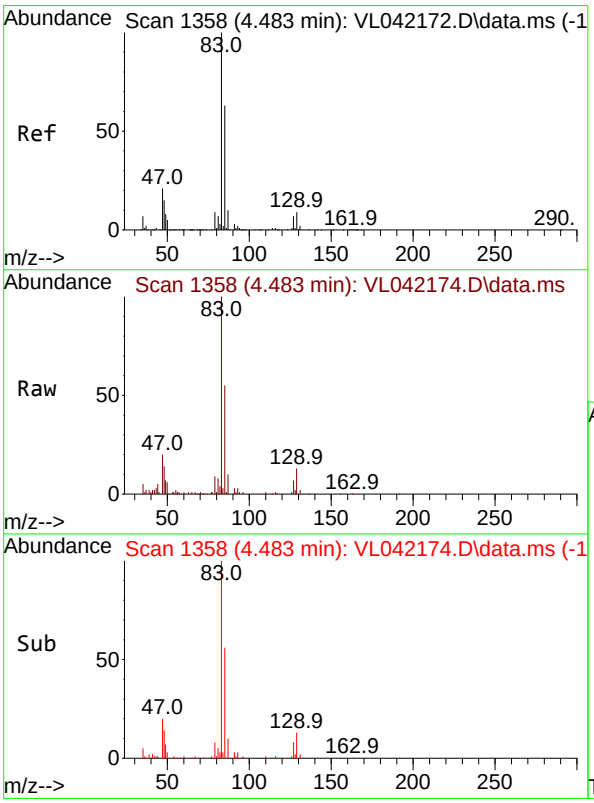
#41
Tetrahydrofuran
Concen: 1.029 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 22818

Ion	Ratio	Lower	Upper
42	100		
72	39.4	31.4	47.0
71	40.8	30.2	45.4

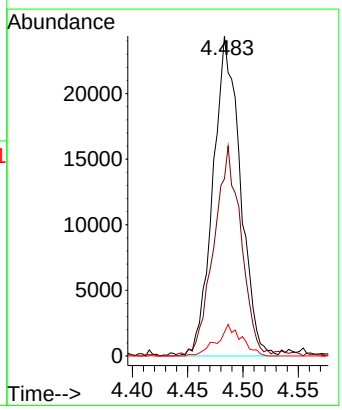


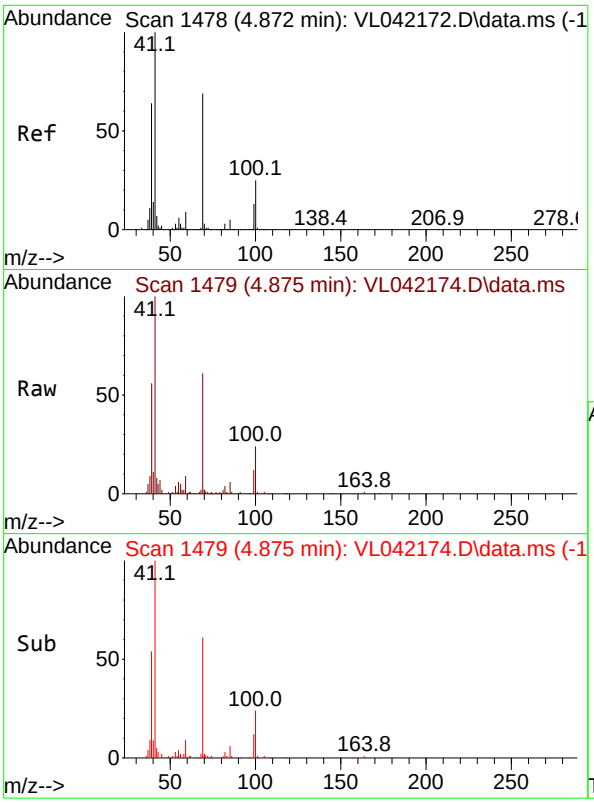


#42
Bromodichloromethane
Concen: 0.996 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 83 Resp: 41864

Ion	Ratio	Lower	Upper
83	100		
85	54.7	50.5	75.7
127	7.5	5.9	8.9



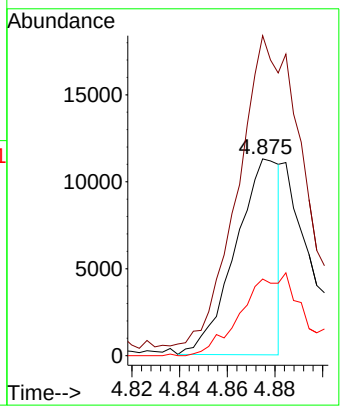


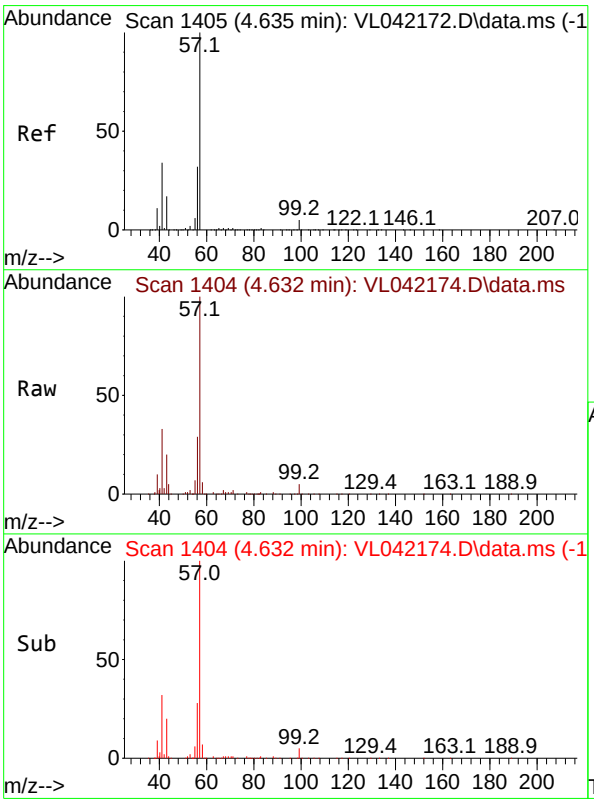
#43
Methyl Methacrylate
Concen: 0.640 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 14387

Ion	Ratio	Lower	Upper
69	100		
41	246.1	123.8	185.6#
100	0.0	28.4	42.6#

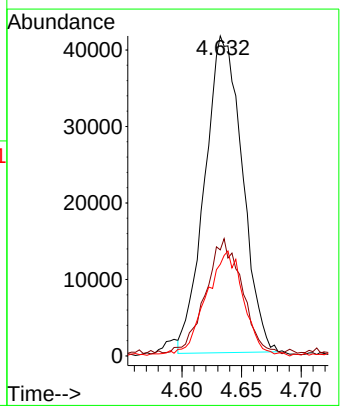


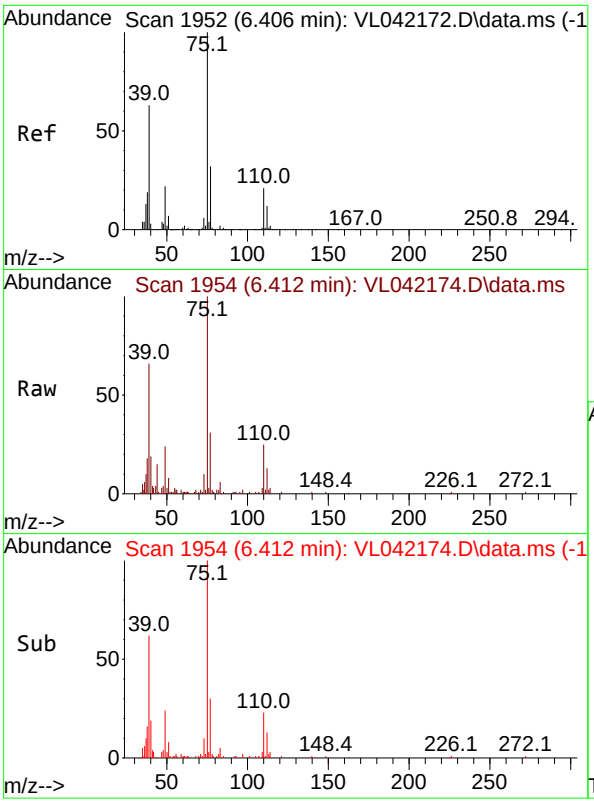


#44
2,2,4-Trimethylpentane
Concen: 1.008 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57 Resp: 90727

Ion	Ratio	Lower	Upper
57	100		
41	35.9	26.8	40.2
56	33.7	25.6	38.4



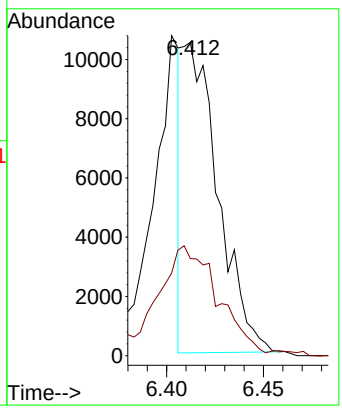


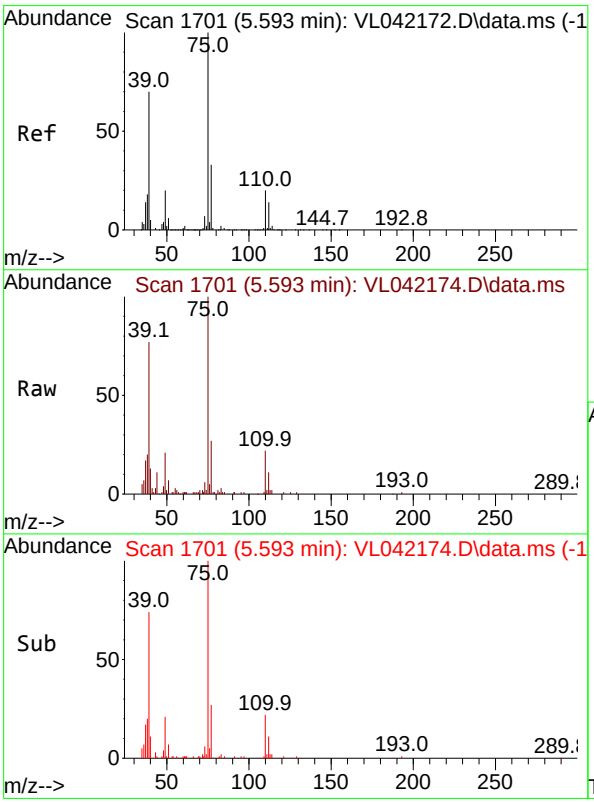
#45
t-1,3-Dichloropropene
Concen: 0.555 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 13431

Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.0	39.0

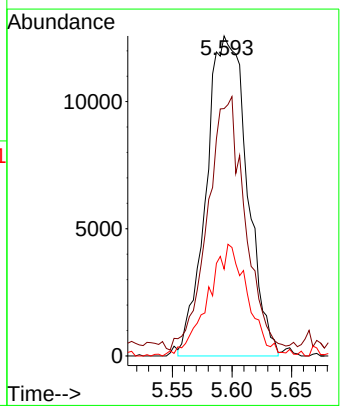


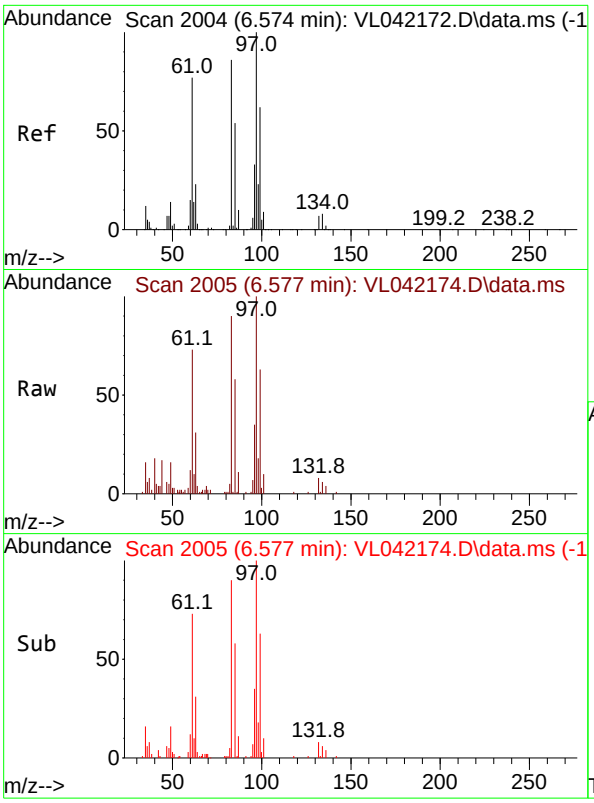


#46
cis-1,3-Dichloropropene
Concen: 1.014 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 75 Resp: 30063

Ion	Ratio	Lower	Upper
75	100		
39	74.2	55.8	83.6
77	26.4	26.0	39.0



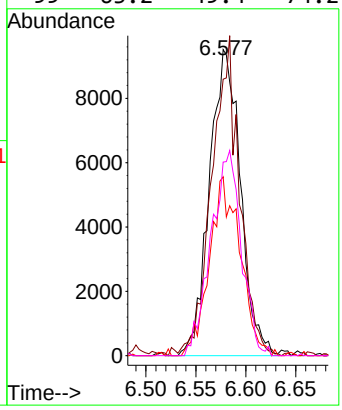


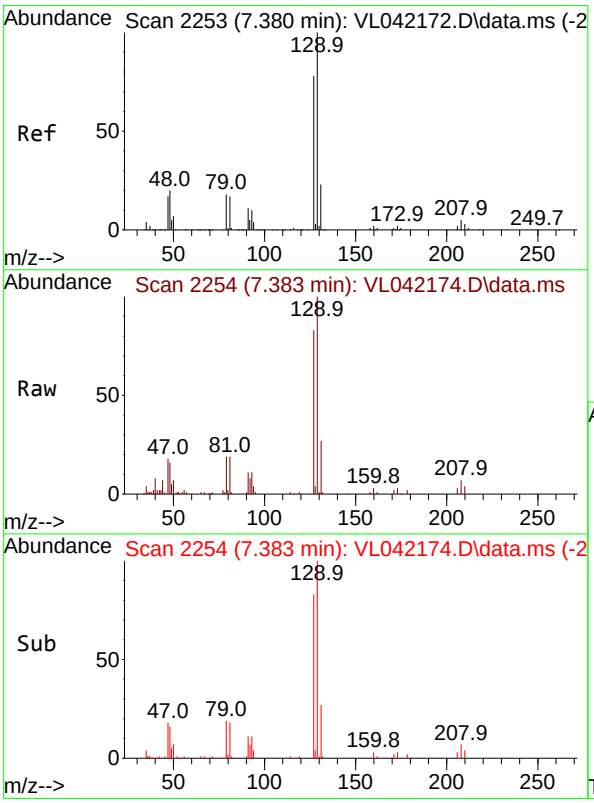
#47
1,1,2-Trichloroethane
Concen: 1.002 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 20546

Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.2	103.8
85	58.4	43.1	64.7
99	63.2	49.4	74.2

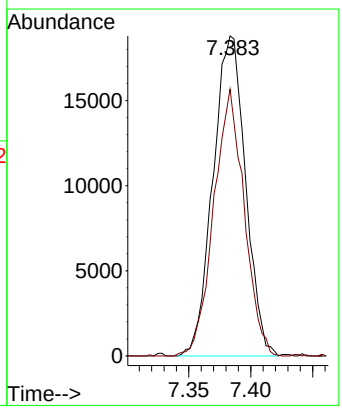


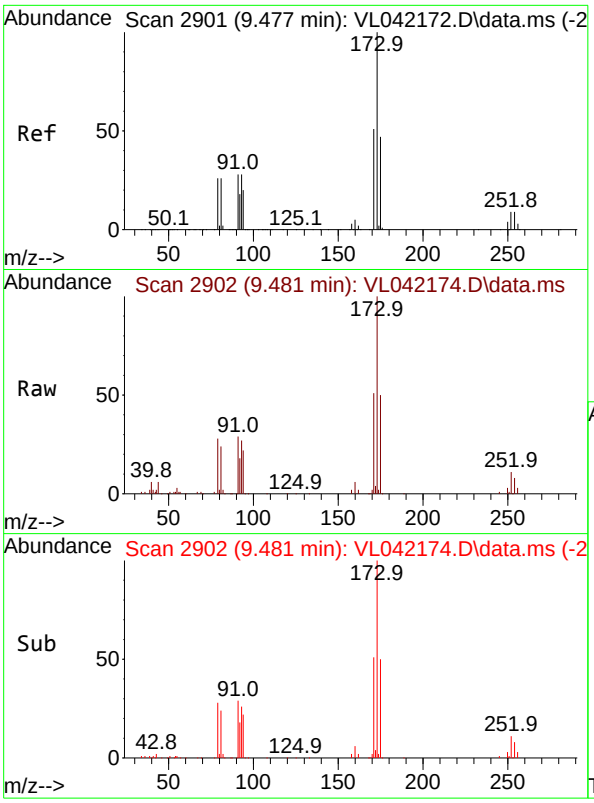


#48
Dibromochloromethane
Concen: 0.991 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:129 Resp: 34425

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2



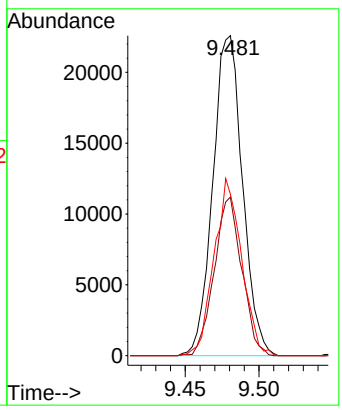


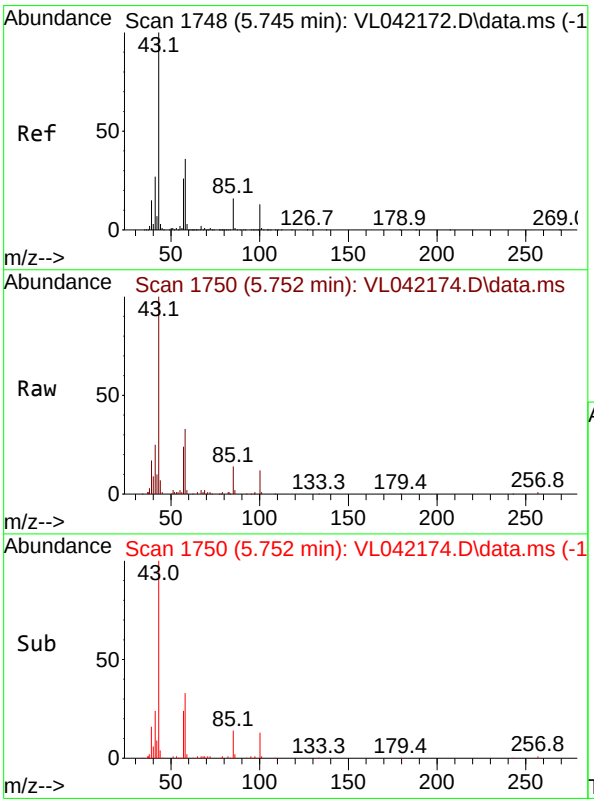
#49
Bromoform
Concen: 1.013 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 31610

Ion	Ratio	Lower	Upper
173	100		
175	46.1	38.6	57.8
171	51.3	41.8	62.6

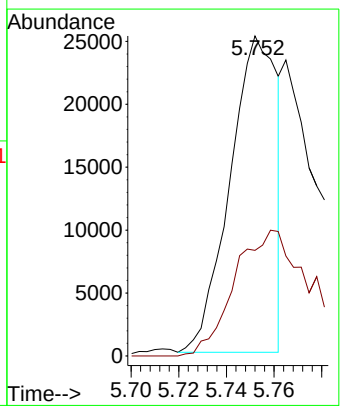


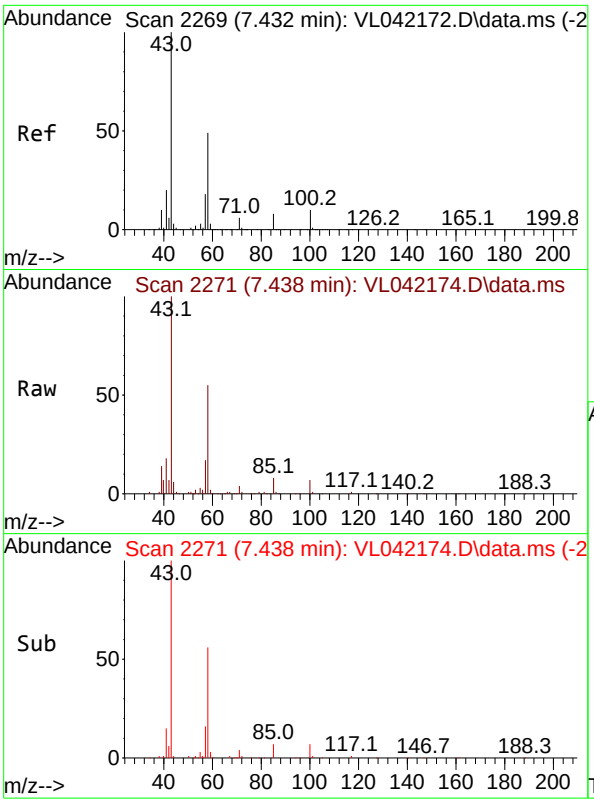


#50
4-Methyl-2-Pentanone
Concen: 0.556 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 43 Resp: 34358

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.6#



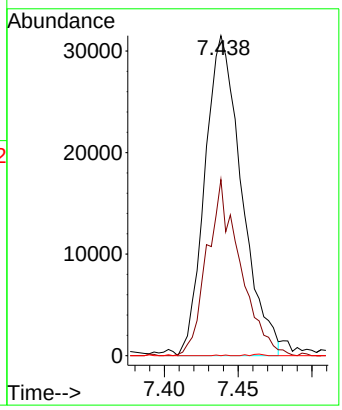


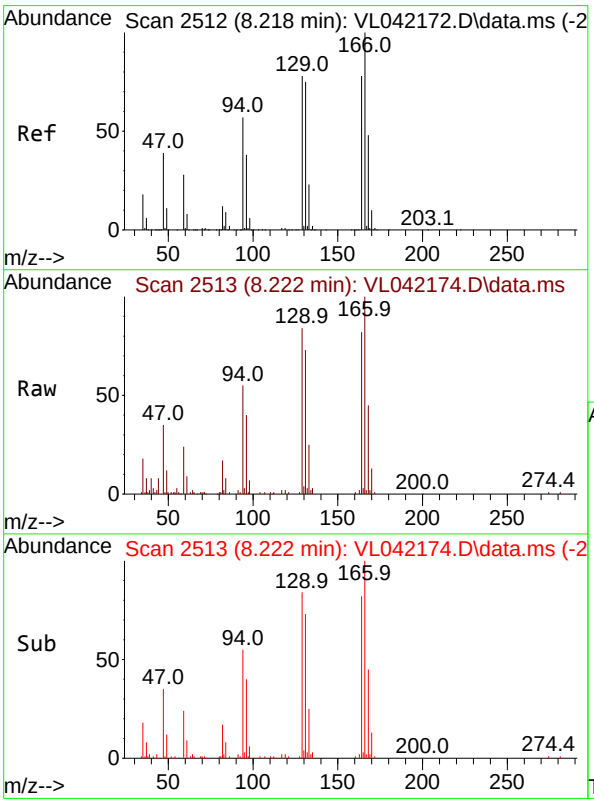
#51
2-Hexanone
Concen: 1.067 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 54680

Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.7	59.5
98	0.2	0.1	0.1#

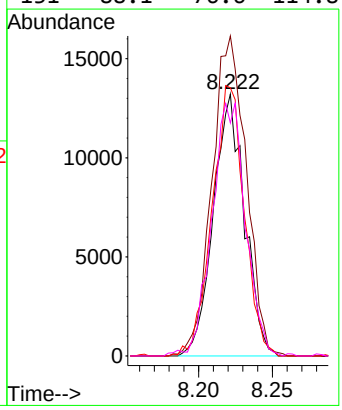


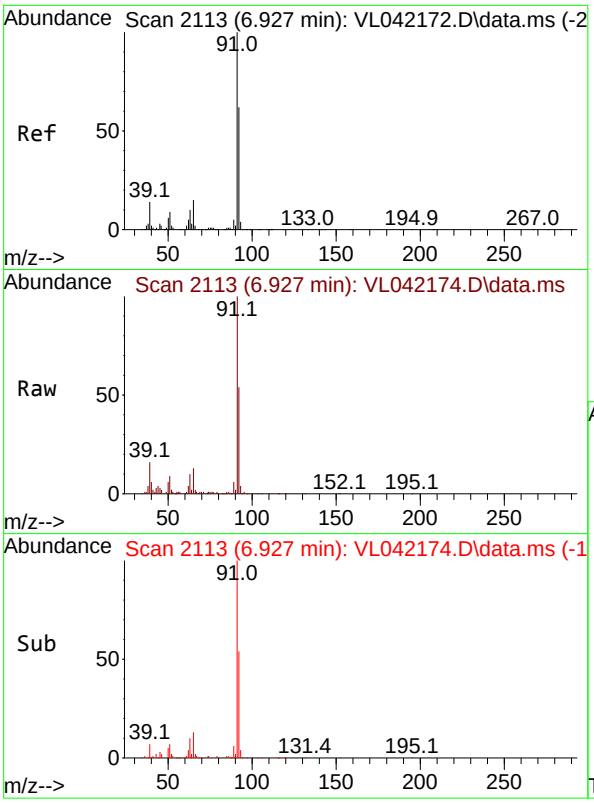


#52
Tetrachloroethene
Concen: 0.919 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:164 Resp: 19415

Ion	Ratio	Lower	Upper
164	100		
166	121.4	102.5	153.7
129	102.4	79.8	119.8
131	88.1	76.6	114.8



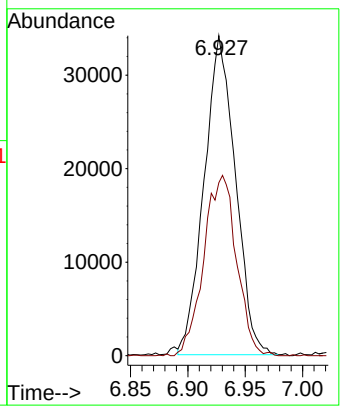


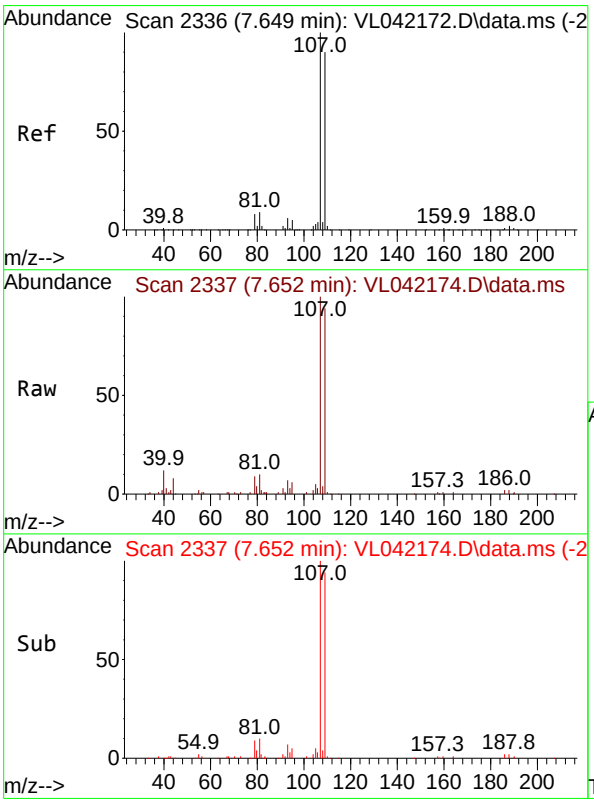
#53
Toluene
Concen: 1.023 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 64612

Ion	Ratio	Lower	Upper
91	100		
92	59.4	48.4	72.6

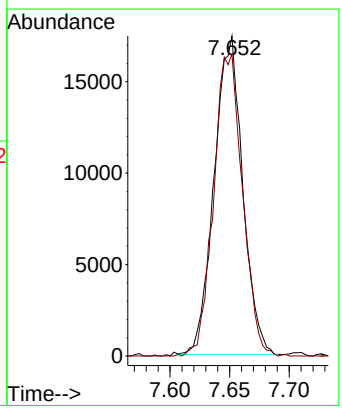


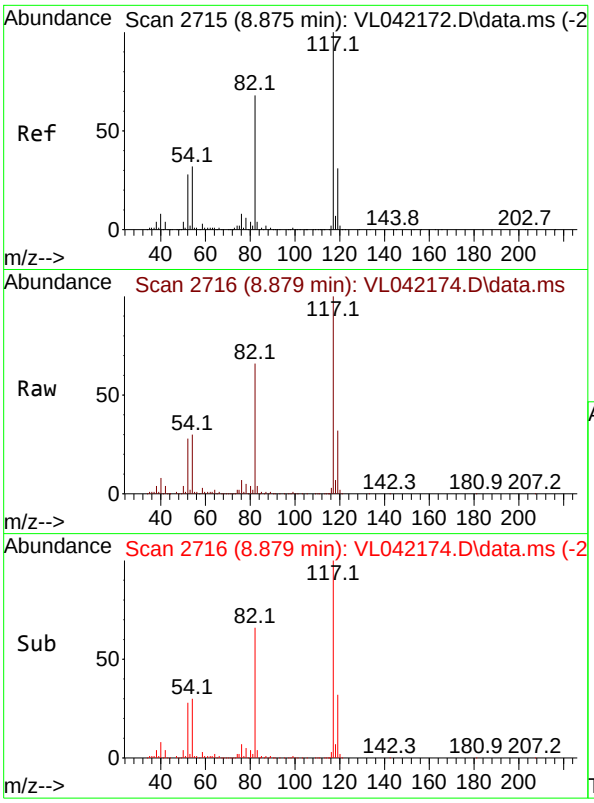


#54
1,2-Dibromoethane
Concen: 1.009 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:107 Resp: 28879

Ion	Ratio	Lower	Upper
107	100		
109	94.8	72.2	108.4



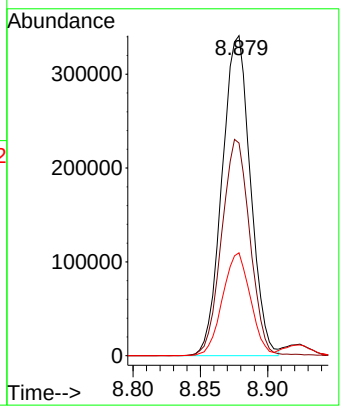


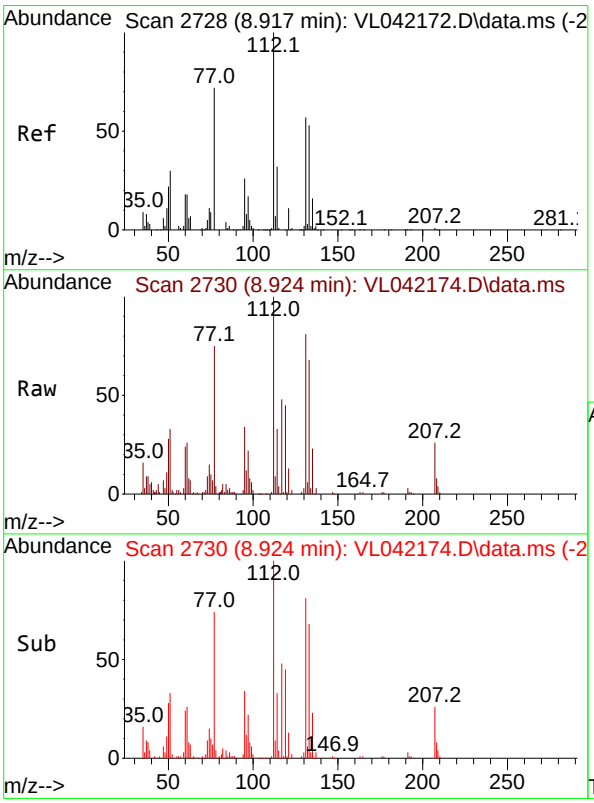
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 499830

Ion	Ratio	Lower	Upper
117	100		
82	67.6	55.8	83.6
119	32.2	25.5	38.3

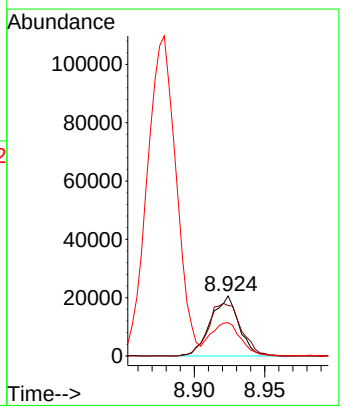


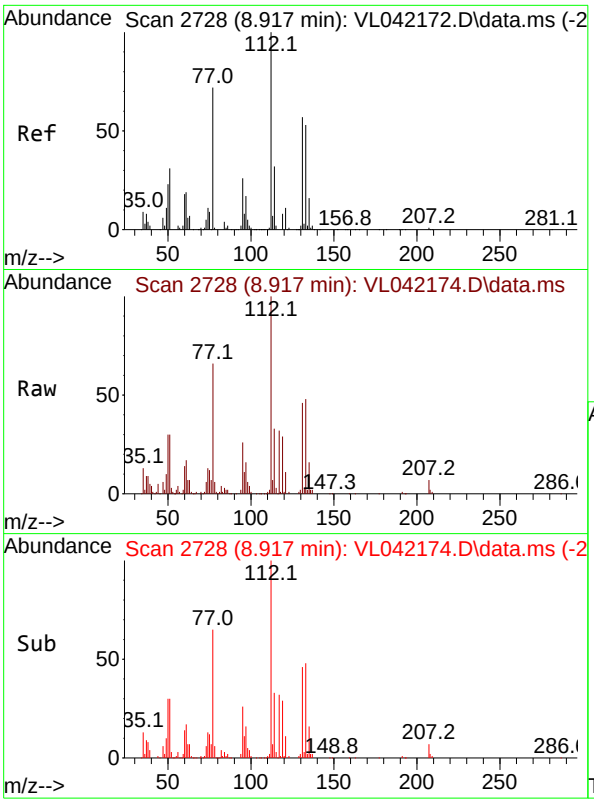


#56
1,1,1,2-Tetrachloroethane
Concen: 1.045 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:131 Resp: 28764

Ion	Ratio	Lower	Upper
131	100		
133	101.7	76.6	114.8
119	44.1	49.8	74.6#



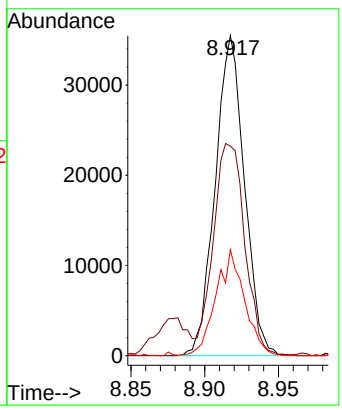


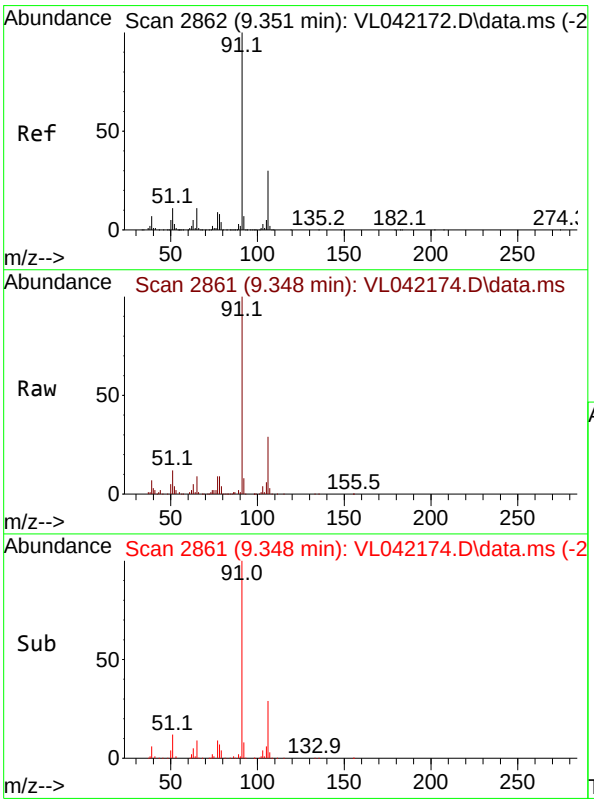
#57
Chlorobenzene
Concen: 1.032 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 48930

Ion	Ratio	Lower	Upper
112	100		
77	65.0	58.2	87.2
114	32.9	29.1	35.5

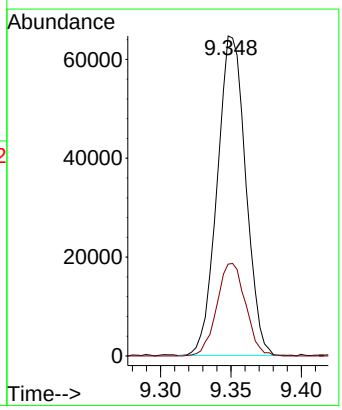


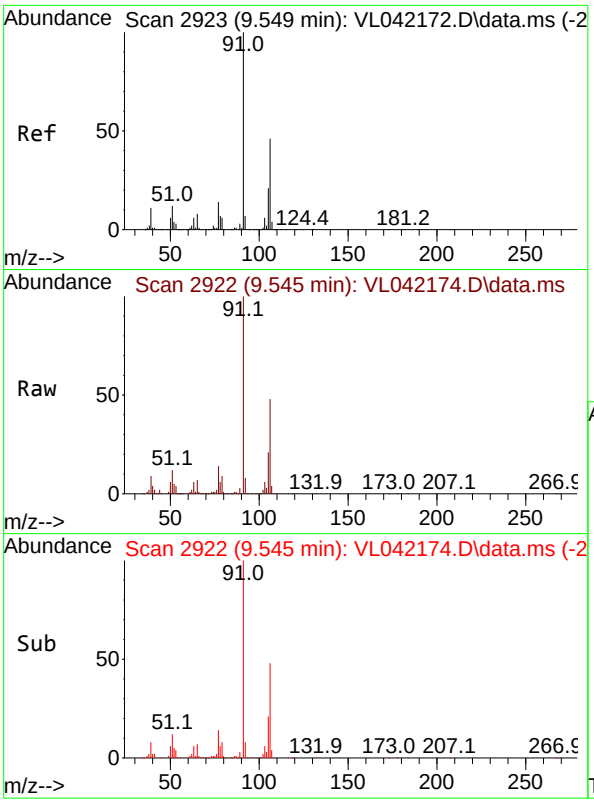


#58
Ethyl Benzene
Concen: 1.026 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 91086

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.2	36.2



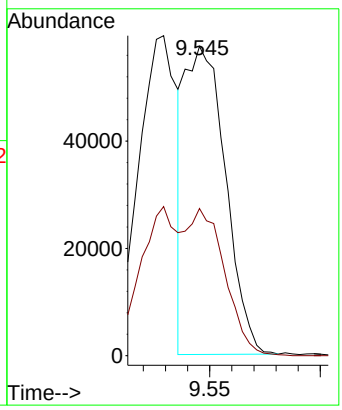


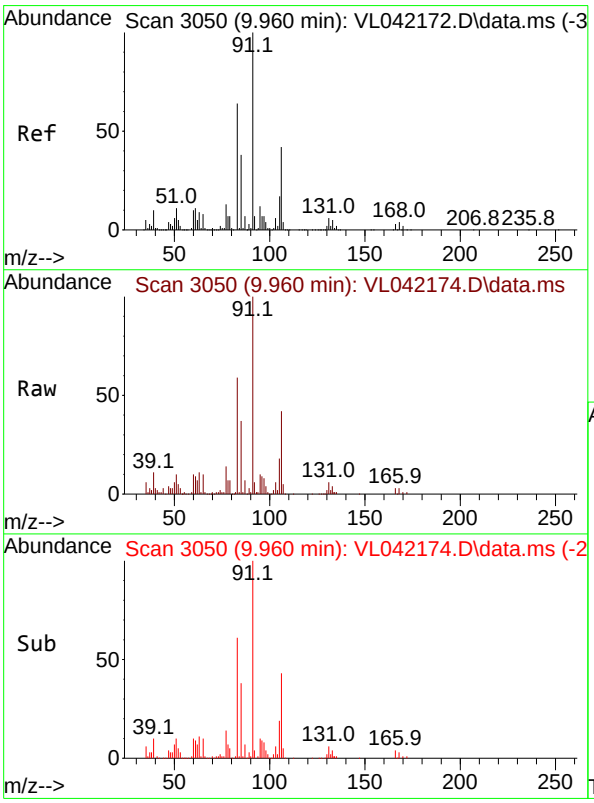
#59
m/p-Xylene
Concen: 1.033 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 73295

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

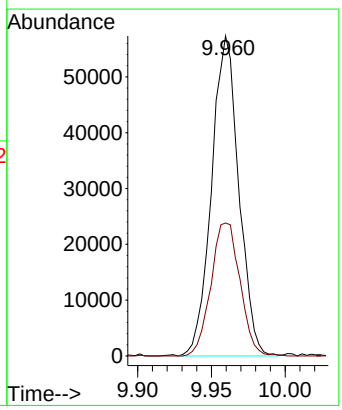


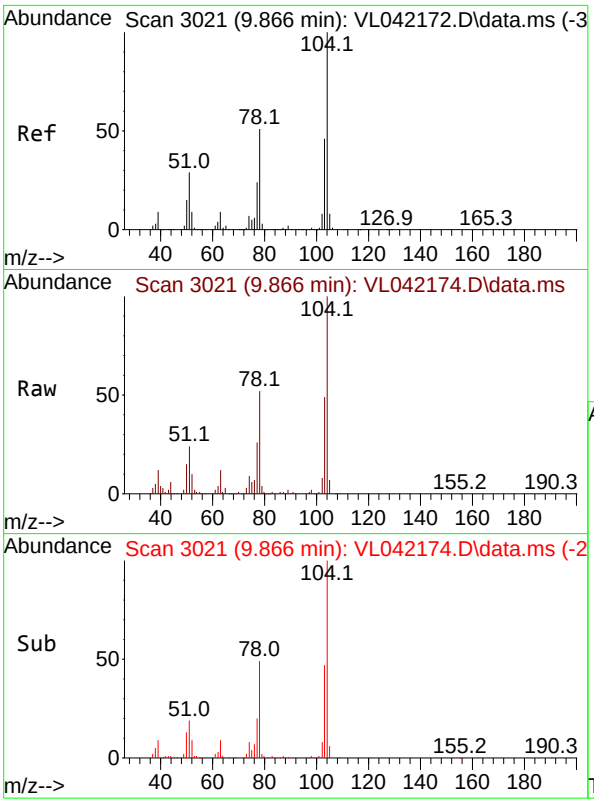


#60
o-Xylene
Concen: 1.037 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 73702

Ion	Ratio	Lower	Upper
91	100		
106	44.3	20.8	62.5



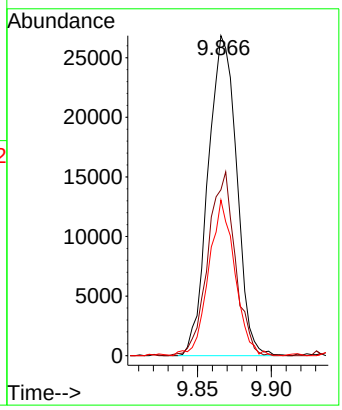


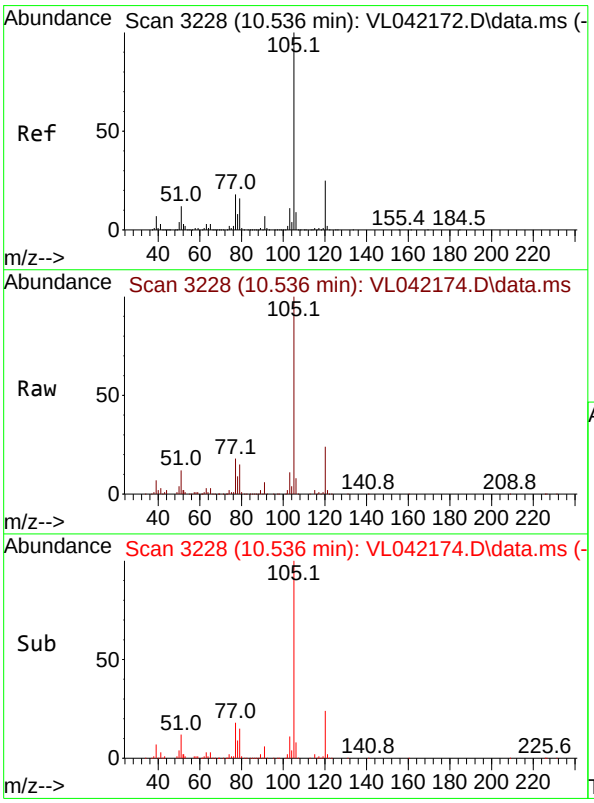
#61
Styrene
Concen: 1.027 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 36110

Ion	Ratio	Lower	Upper
104	100		
78	54.9	41.8	62.6
103	45.1	37.0	55.4

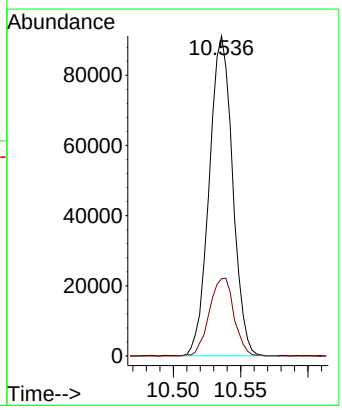


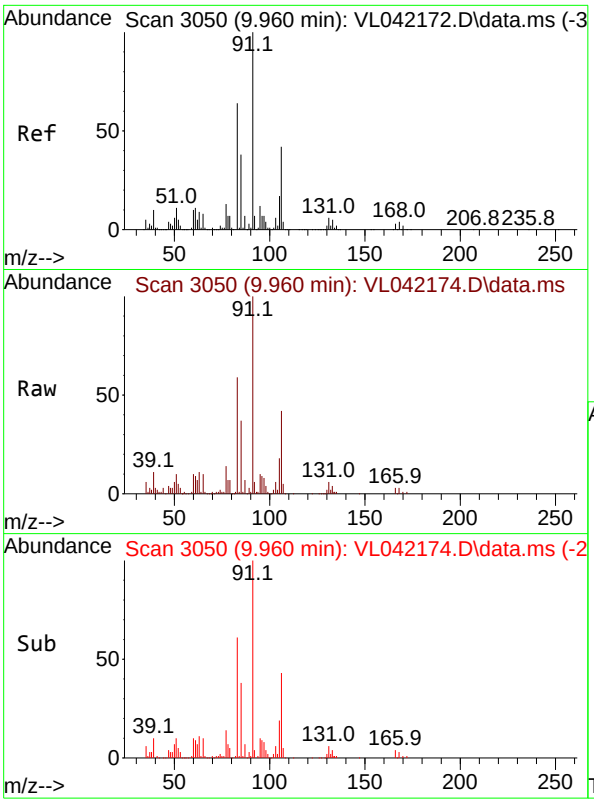


#62
Isopropylbenzene
Concen: 1.034 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 109897

Ion	Ratio	Lower	Upper
105	100		
120	25.7	19.9	29.9



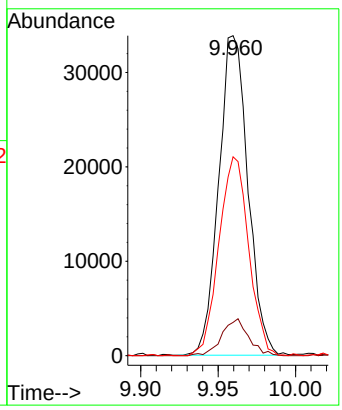


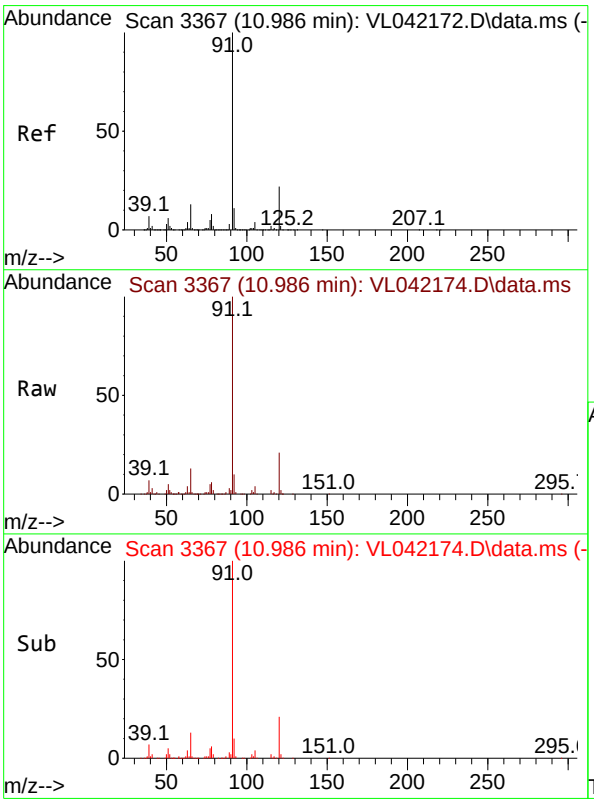
#63
1,1,2,2-Tetrachloroethane
Concen: 1.029 ppbv
RT: 9.960 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 44431

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	64.0	32.5	97.5

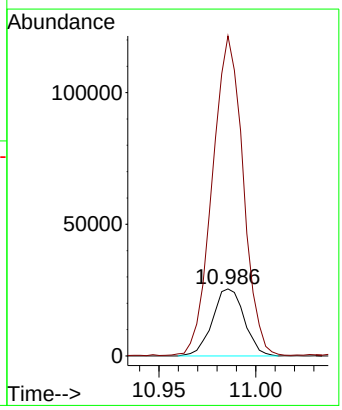


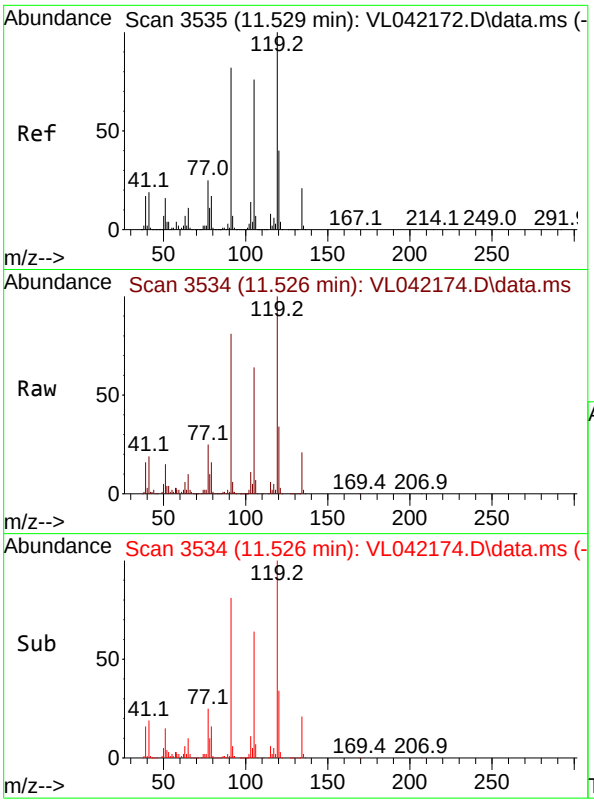


#64
n-propylbenzene
Concen: 1.062 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:120 Resp: 29054

Ion	Ratio	Lower	Upper
120	100		
91	466.9	376.9	565.3



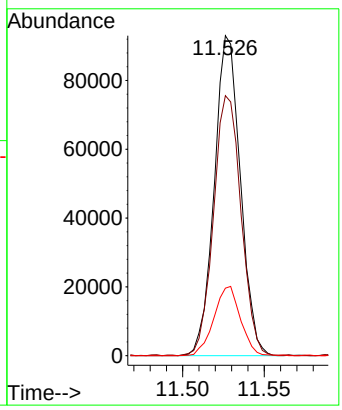


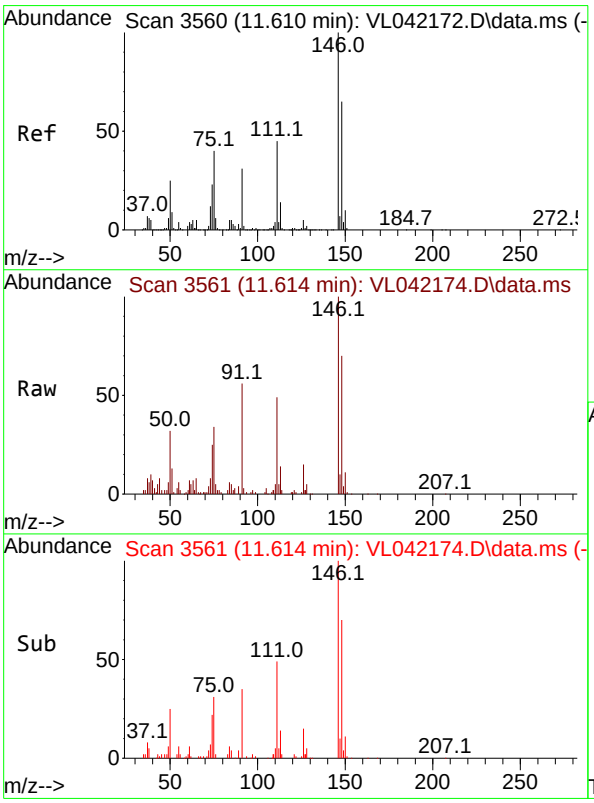
#65
tert-Butylbenzene
Concen: 1.053 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 103520

Ion	Ratio	Lower	Upper
119	100		
91	85.9	66.0	99.0
134	22.1	16.7	25.1

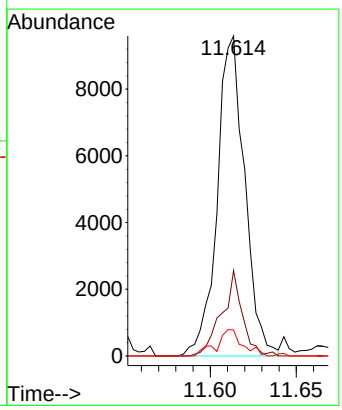


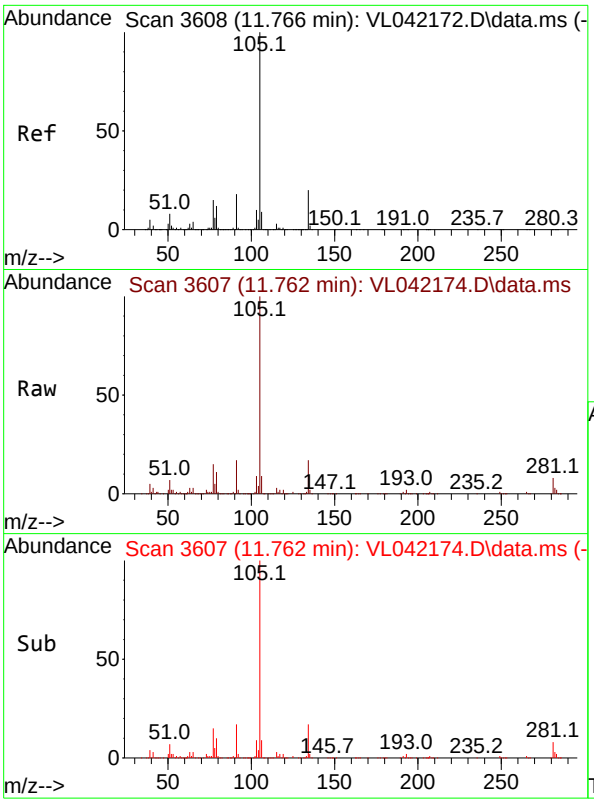


#66
Benzyl Chloride
Concen: 1.022 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 10660

Ion	Ratio	Lower	Upper
91	100		
126	20.0	13.8	20.6
128	8.0	4.5	6.7#



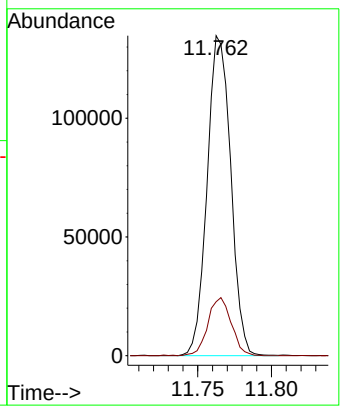


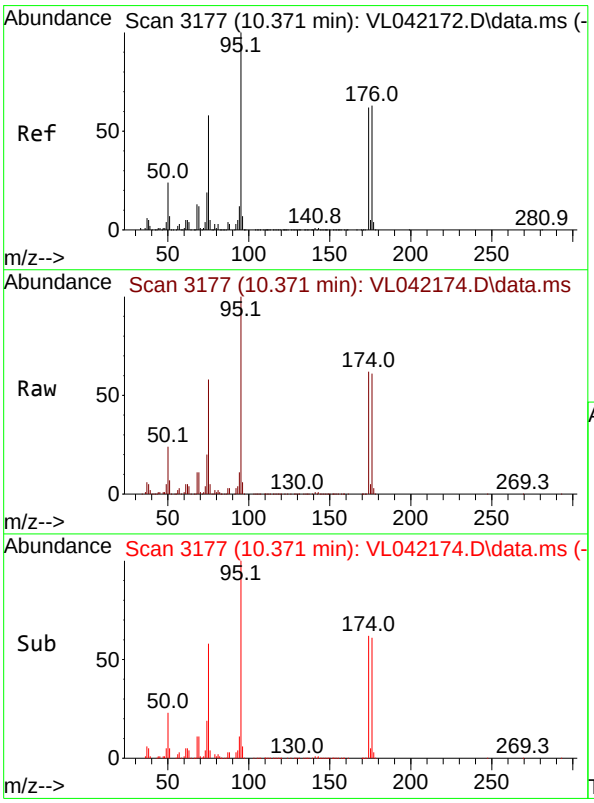
#67
sec-Butylbenzene
Concen: 1.095 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 149660

Ion	Ratio	Lower	Upper
105	100		
134	18.1	15.5	23.3

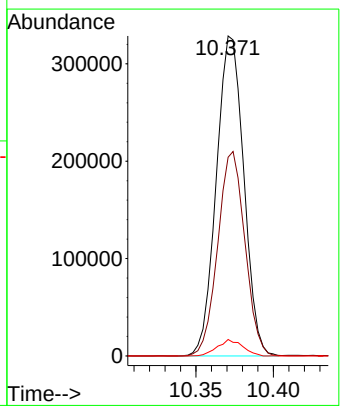


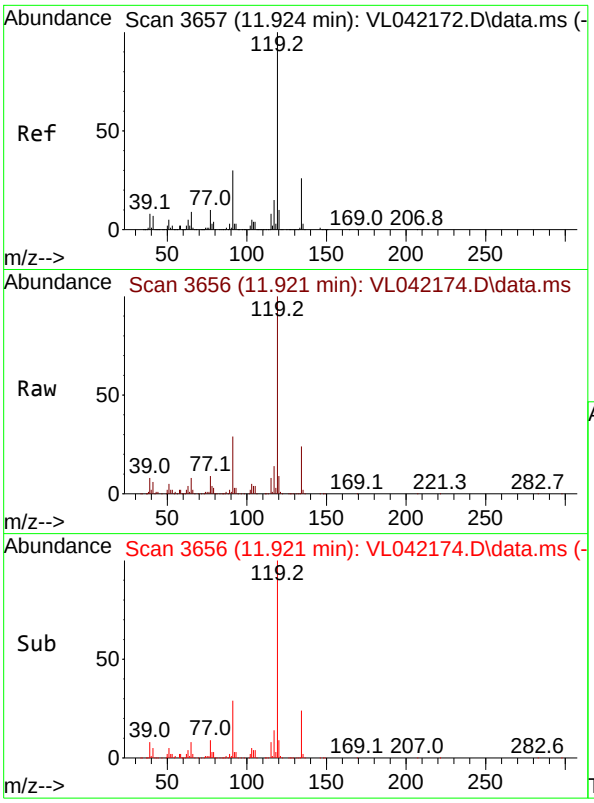


#68
1-Bromo-4-Fluorobenzene
Concen: 9.861 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 95 Resp: 404753

Ion	Ratio	Lower	Upper
95	100		
174	63.4	50.6	76.0
175	4.7	3.8	5.6



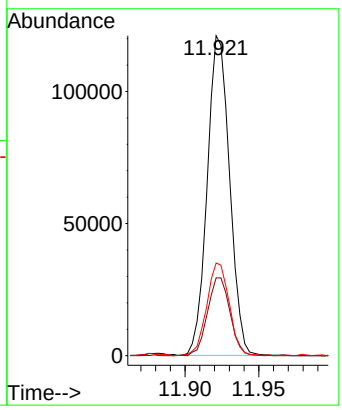


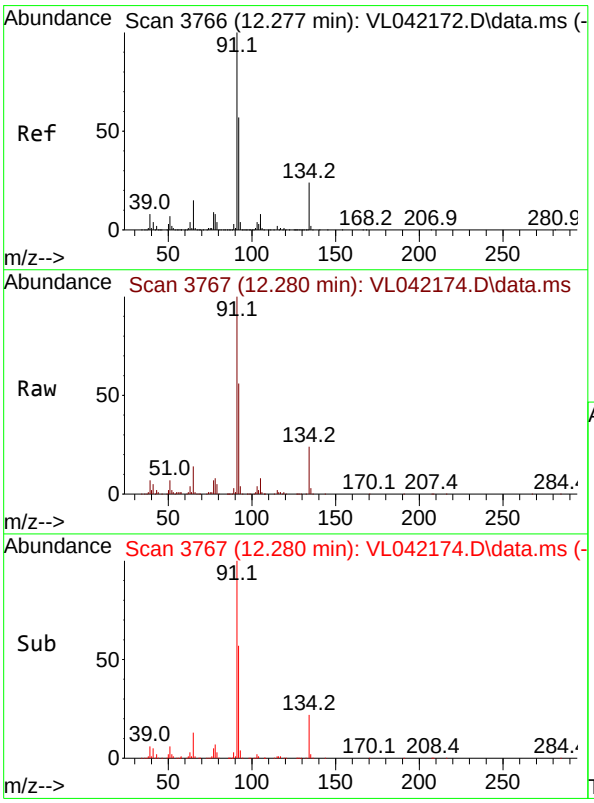
#69
p-Isopropyltoluene
Concen: 1.084 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 127509

Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.4	30.6
91	30.0	23.7	35.5

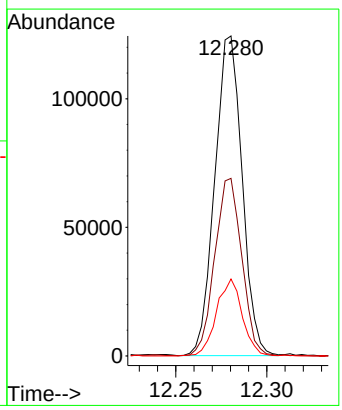


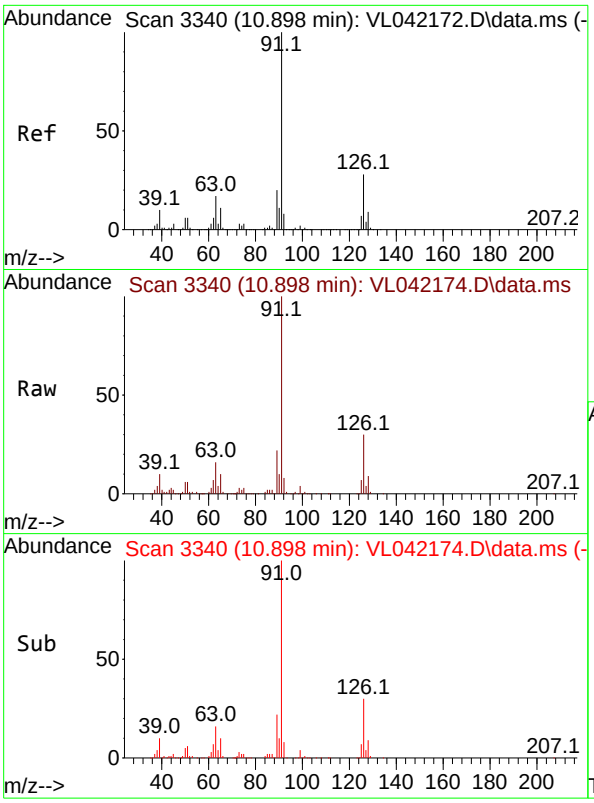


#70
n-Butylbenzene
Concen: 1.079 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 129860

Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.9	67.3
134	22.8	19.2	28.8



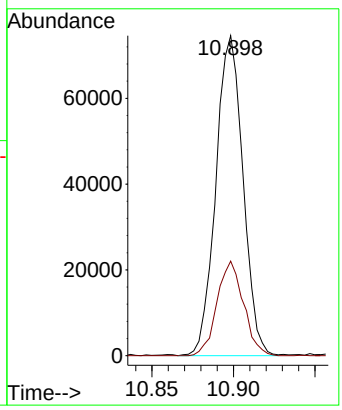


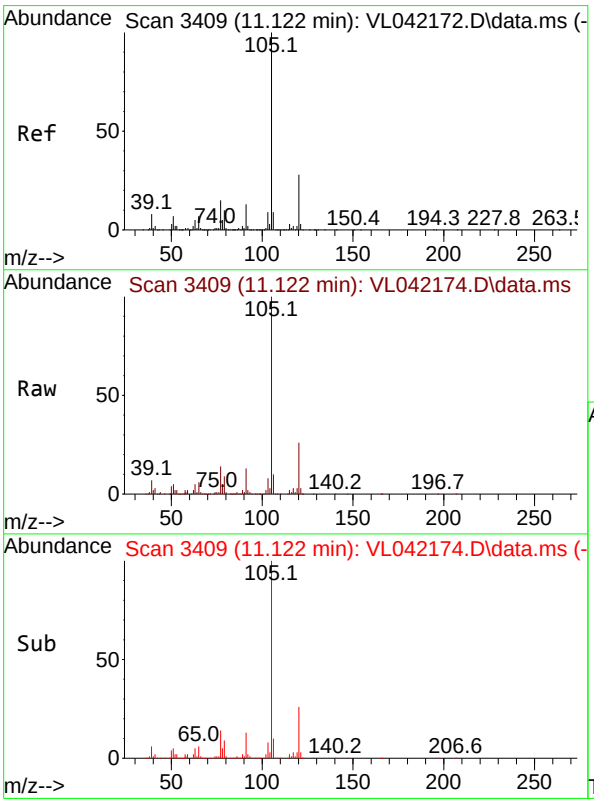
#71
2-Chlorotoluene
Concen: 1.047 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 86356

Ion	Ratio	Lower	Upper
91	100		
126	28.8	11.6	46.4

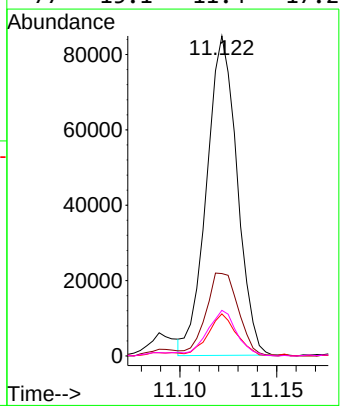


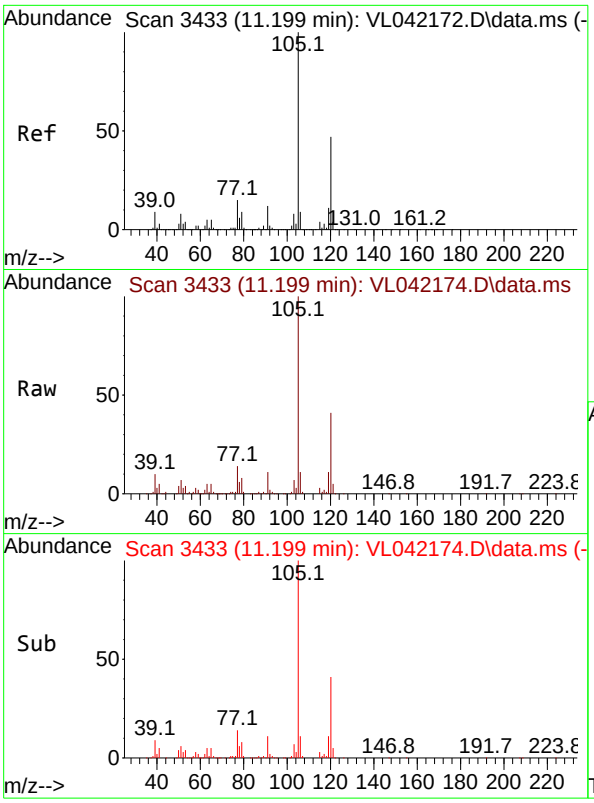


#72
4-Ethyltoluene
Concen: 1.050 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 92912

Ion	Ratio	Lower	Upper
105	100		
120	29.7	23.4	35.0
91	13.5	10.3	15.5
77	15.1	11.4	17.2



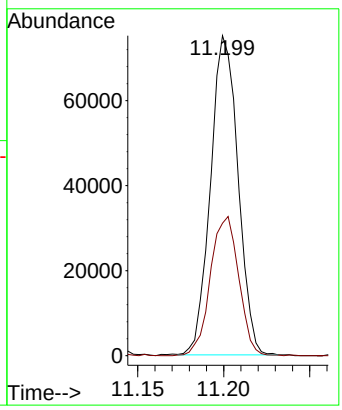


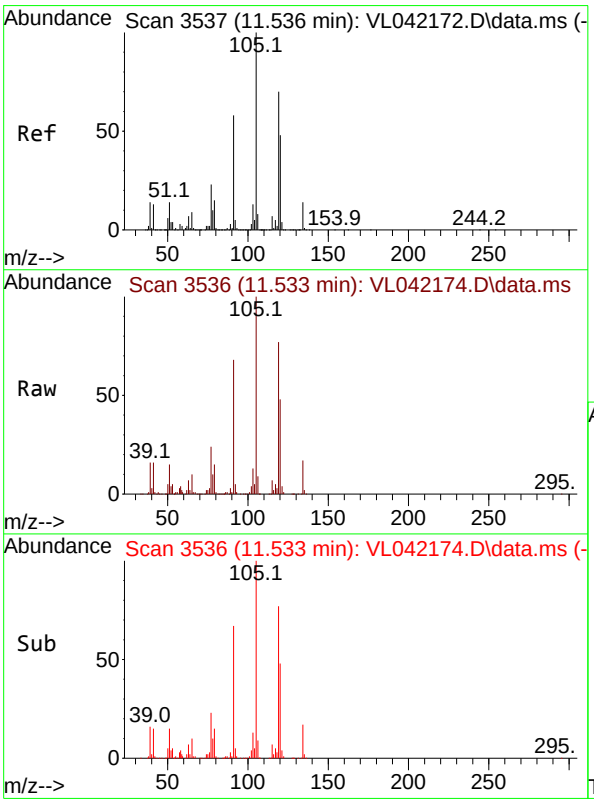
#73
1,3,5-Trimethylbenzene
Concen: 1.080 ppbv
RT: 11.199 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 83497

Ion	Ratio	Lower	Upper
105	100		
120	41.3	37.4	56.0

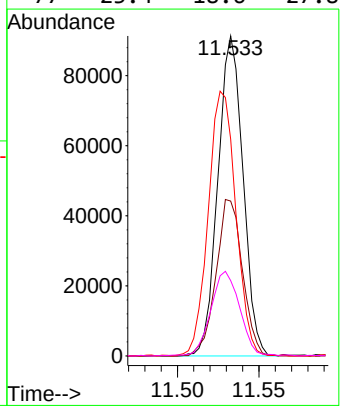


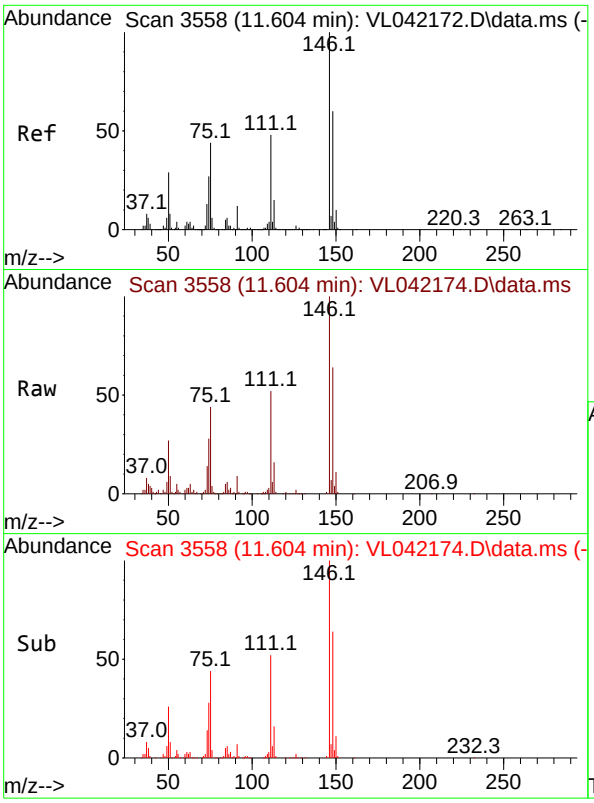


#74
1,2,4-Trimethylbenzene
Concen: 1.099 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 97858

Ion	Ratio	Lower	Upper
105	100		
120	48.4	38.6	58.0
91	67.6	46.2	69.2
77	23.4	18.6	27.8



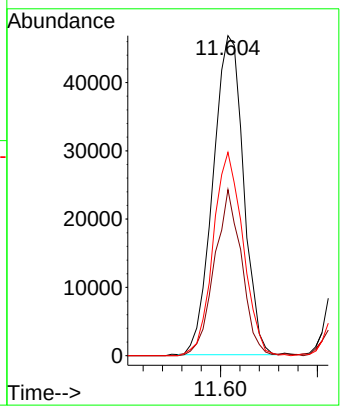


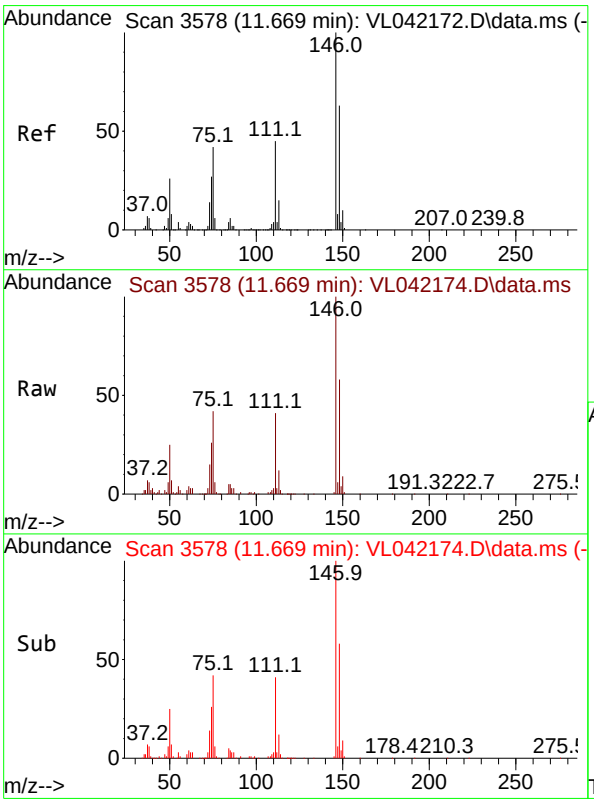
#75
1,3-Dichlorobenzene
Concen: 1.046 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 51096

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.8	71.2
148	62.6	31.9	95.9

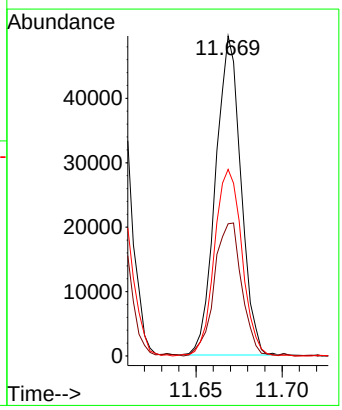


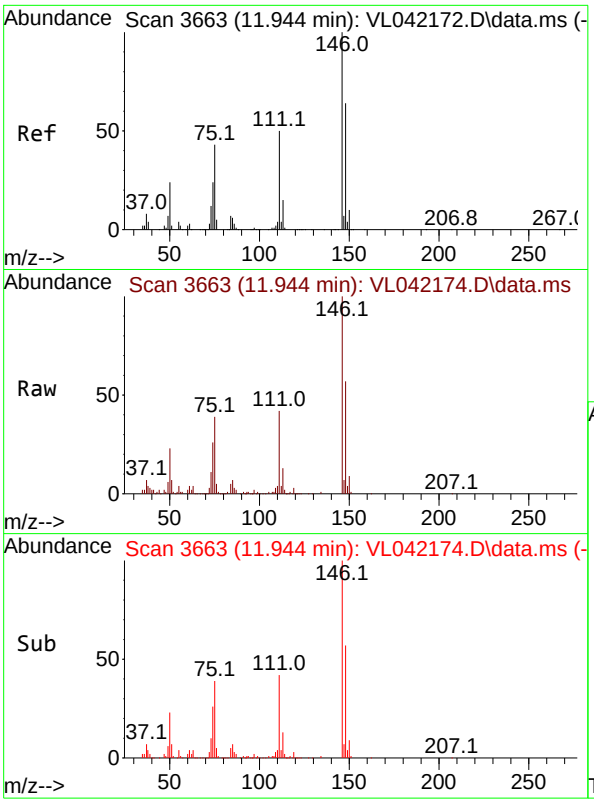


#76
1,4-Dichlorobenzene
Concen: 1.046 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:146 Resp: 50841

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.0	69.0
148	63.6	31.9	95.7



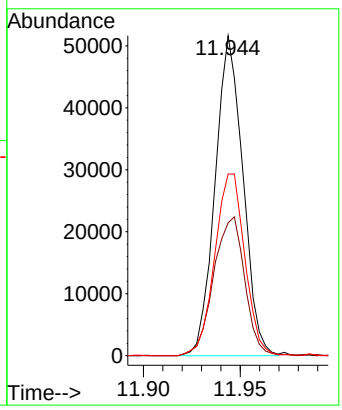


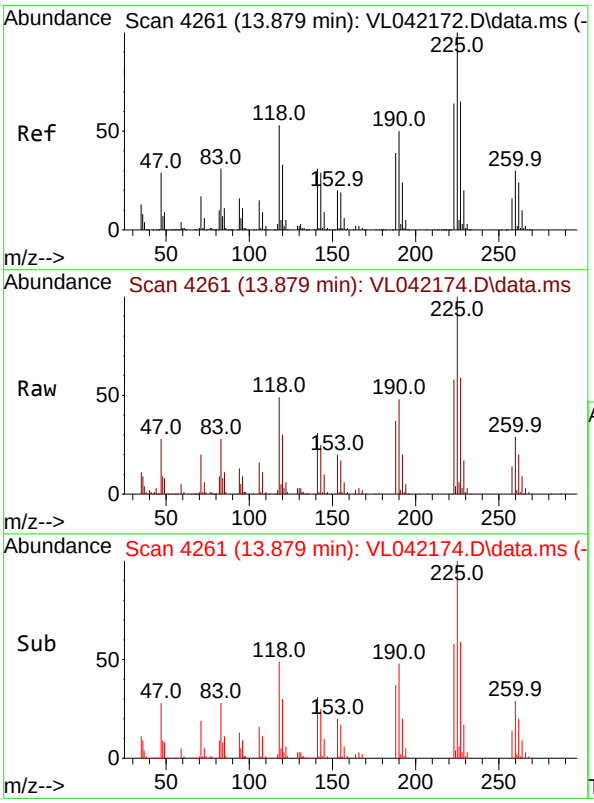
#77
1,2-Dichlorobenzene
Concen: 1.084 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 51523

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.8	74.3
148	61.9	31.6	94.8

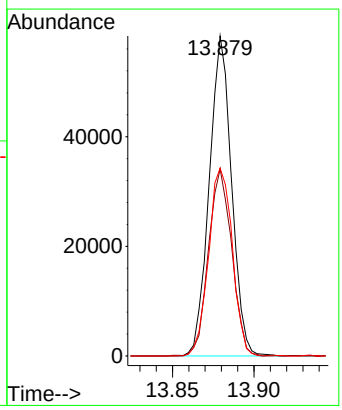


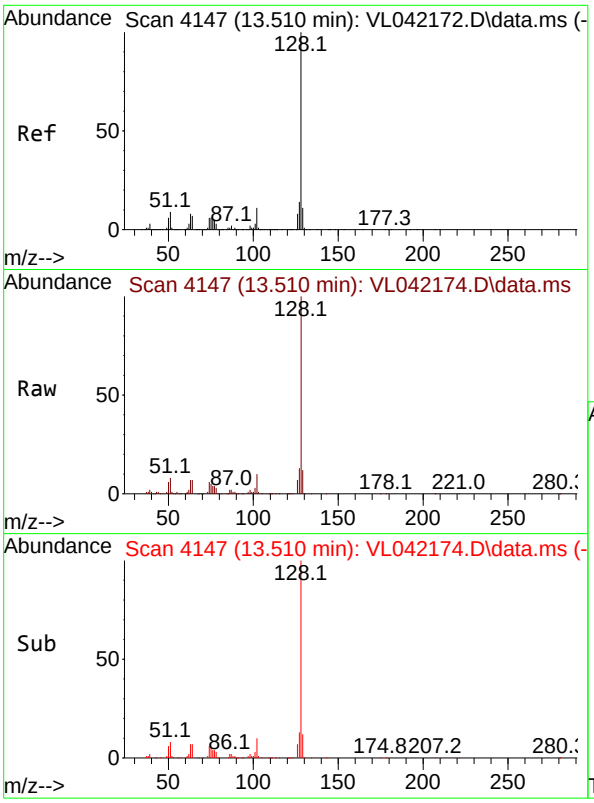


#78
Hexachloro-1,3-Butadiene
Concen: 1.149 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:225 Resp: 55611

Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.6	76.0
227	62.3	51.2	76.8



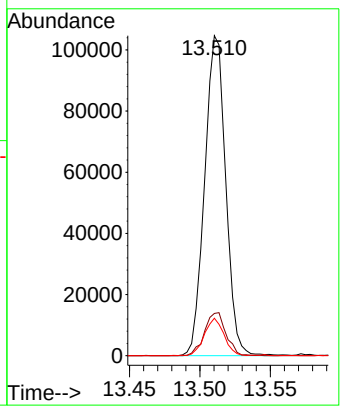


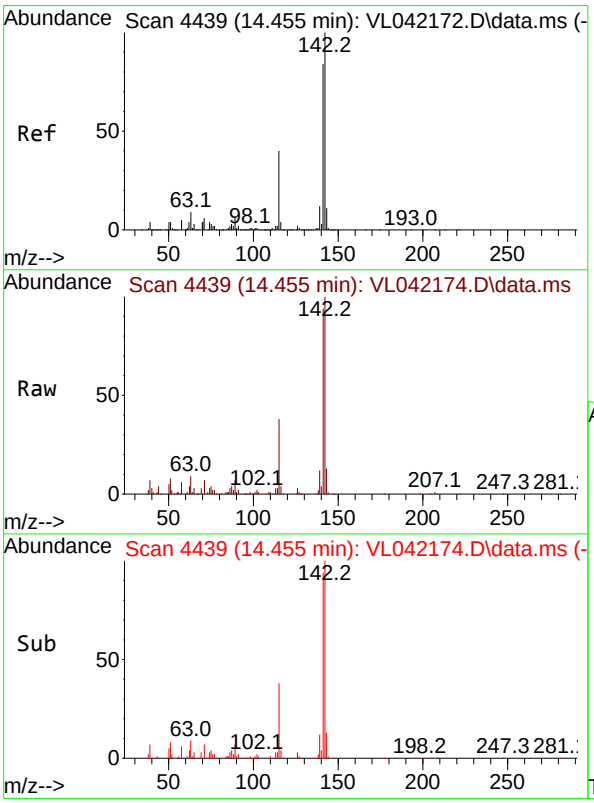
#79
Naphthalene
Concen: 1.120 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 109031

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.8	16.2
129	11.7	9.0	13.4

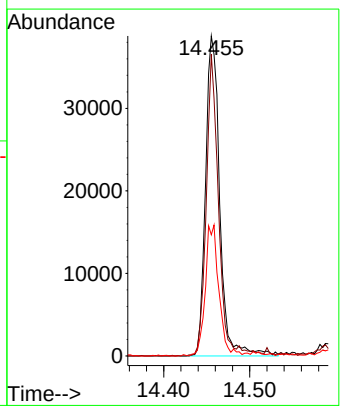


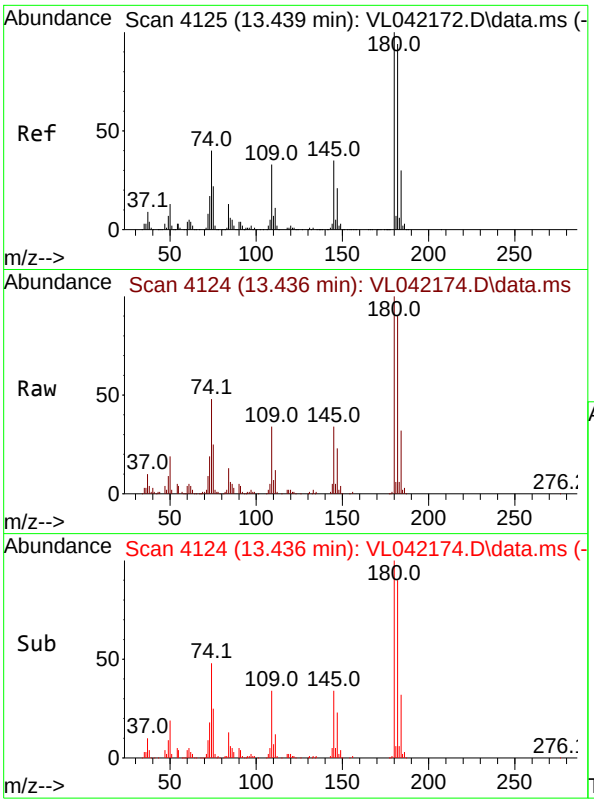


#80
Naphthalene,2-methyl-
Concen: 0.939 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:142 Resp: 44518

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.3	99.5
115	41.5	31.6	47.4



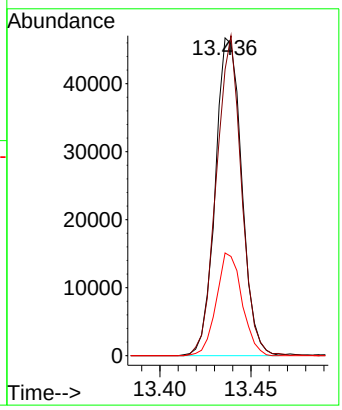


#81
1,2,4-Trichlorobenzene
Concen: 1.047 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 47040

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.1	112.7
184	31.4	24.4	36.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	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	1.557	41	2054	0.167	ppbv		92
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	9635	0.438	ppbv	#	70
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	4.545	130	4992	0.230	ppbv		95
39) 1,2-Dichloropropane	4.308	63	10123	0.535	ppbv		92
40) 1,4-Dioxane	4.593	88	4487	0.457	ppbv	#	24
41) Tetrahydrofuran	3.059	42	10856	0.502	ppbv		94
42) Bromodichloromethane	4.483	83	20374	0.497	ppbv	#	98
43) Methyl Methacrylate	4.875	69	6229	0.284	ppbv	#	10
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 (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	8584	0.297	ppbv	#	91
47) 1,1,2-Trichloroethane	6.574	97	8374	0.419	ppbv		96
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	9.548	91	18711	0.272	ppbv	#	1
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

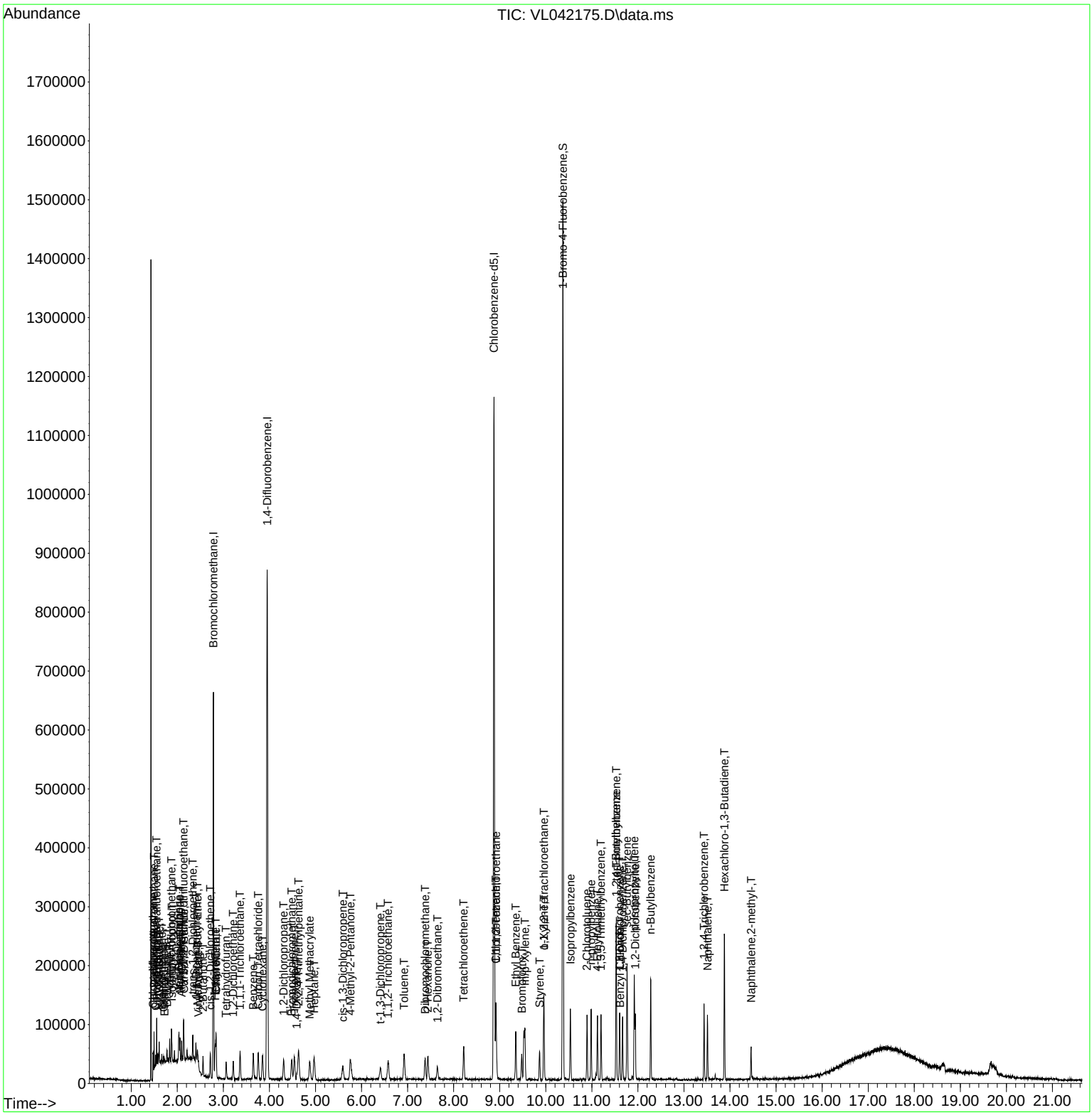
(#) = qualifier out of range (m) = manual integration (+) = signals summed

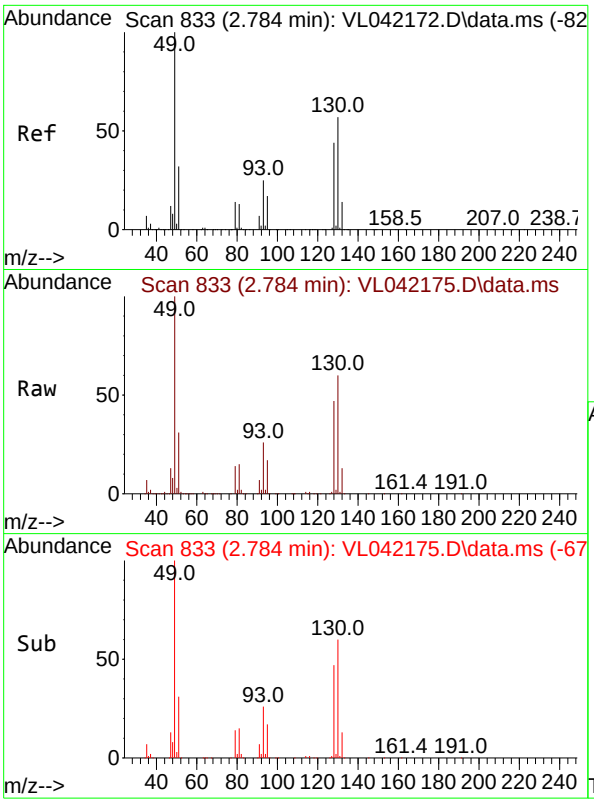
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration



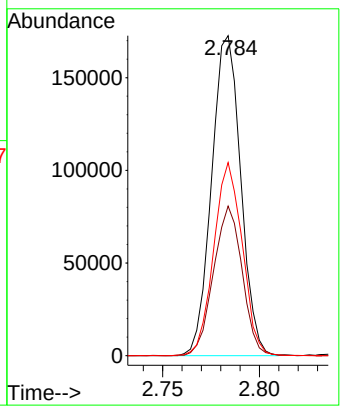


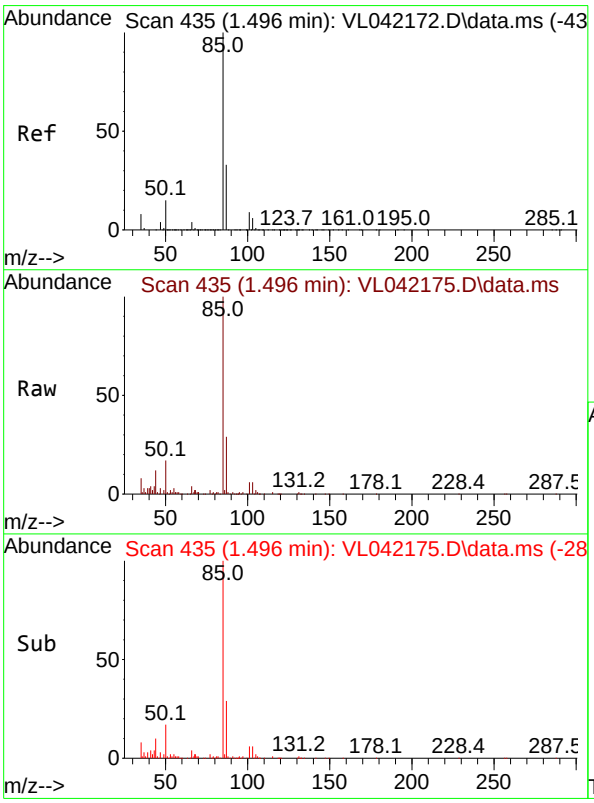
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 180502

Ion	Ratio	Lower	Upper
49	100		
128	46.1	22.9	68.5
130	59.2	28.8	86.4

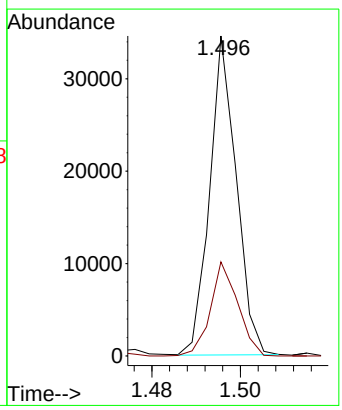


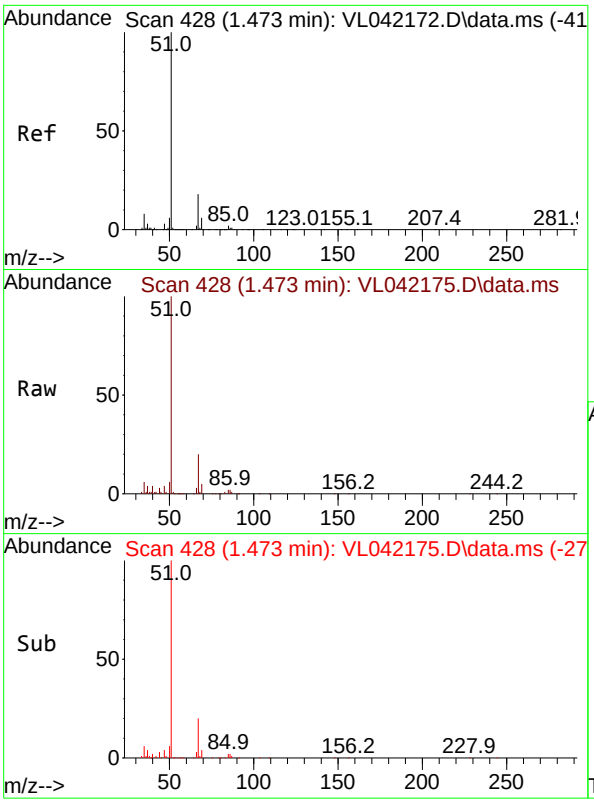


#2
Dichlorodifluoromethane
Concen: 0.542 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 85 Resp: 14455

Ion	Ratio	Lower	Upper
85	100		
87	29.5	26.1	39.1



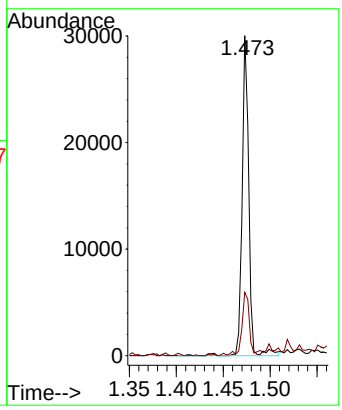


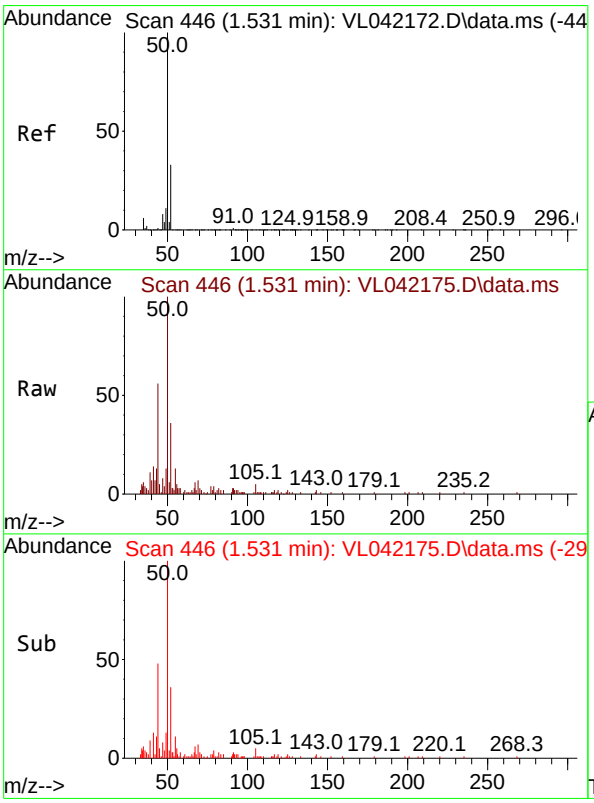
#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 14637

Ion	Ratio	Lower	Upper
51	100		
67	23.6	15.0	22.6#

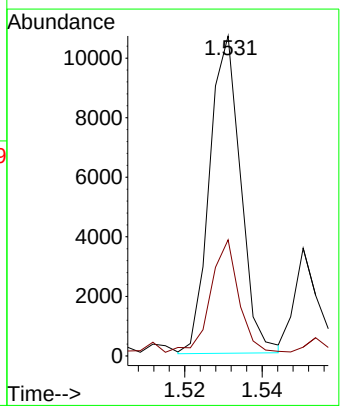


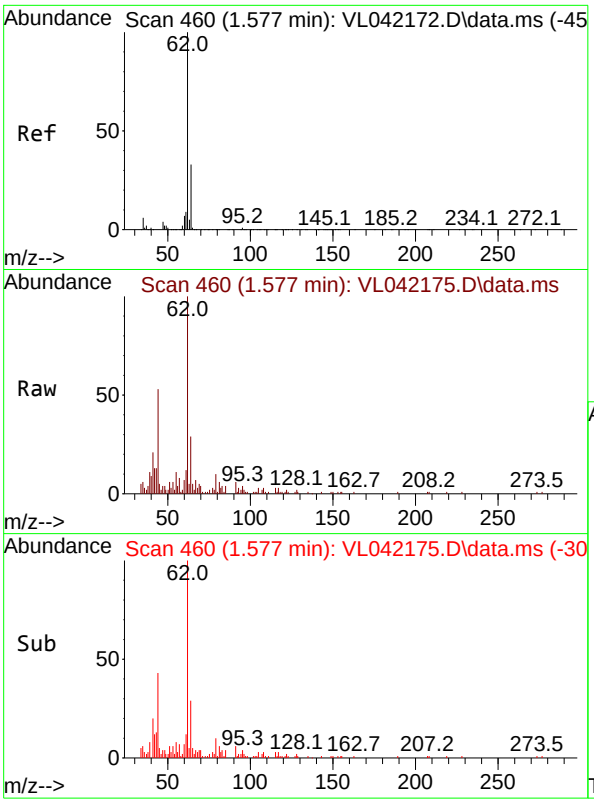


#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 50 Resp: 5956

Ion	Ratio	Lower	Upper
50	100		
52	36.1	26.1	39.1



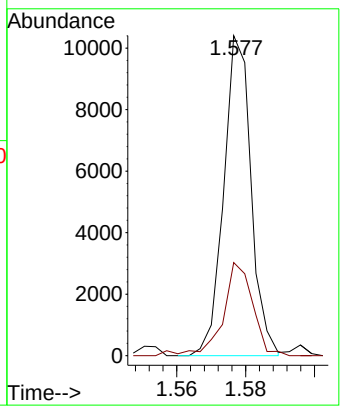


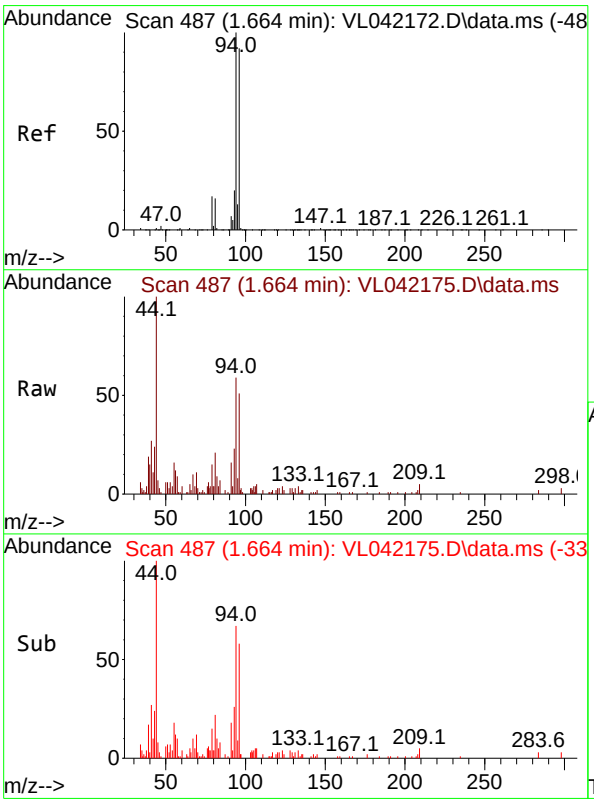
#5
Vinyl Chloride
Concen: 0.516 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 5732

Ion	Ratio	Lower	Upper
62	100		
64	28.5	26.6	40.0

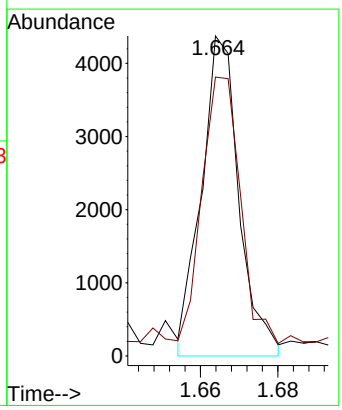


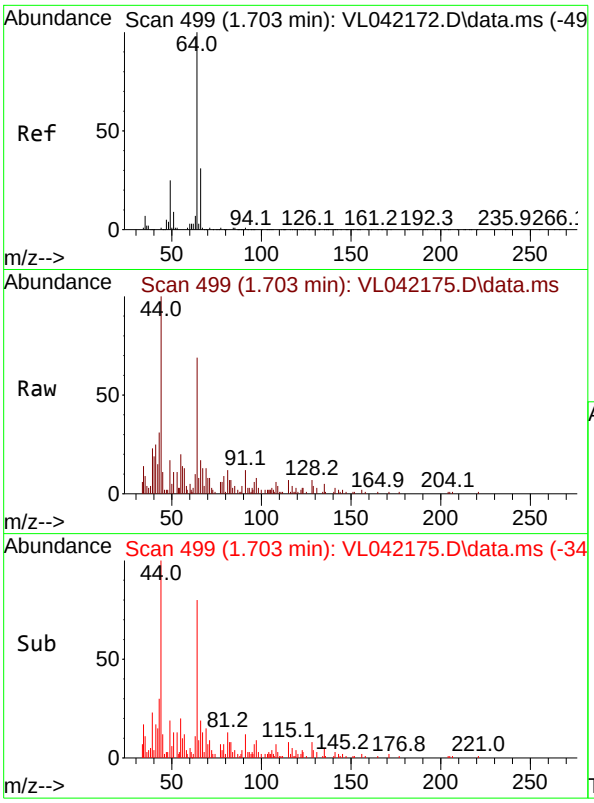


#6
Bromomethane
Concen: 0.597 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 94 Resp: 2949

Ion	Ratio	Lower	Upper
94	100		
96	86.2	73.1	109.7



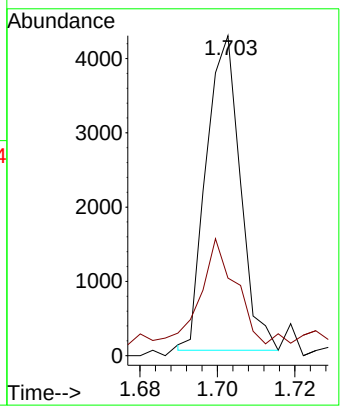


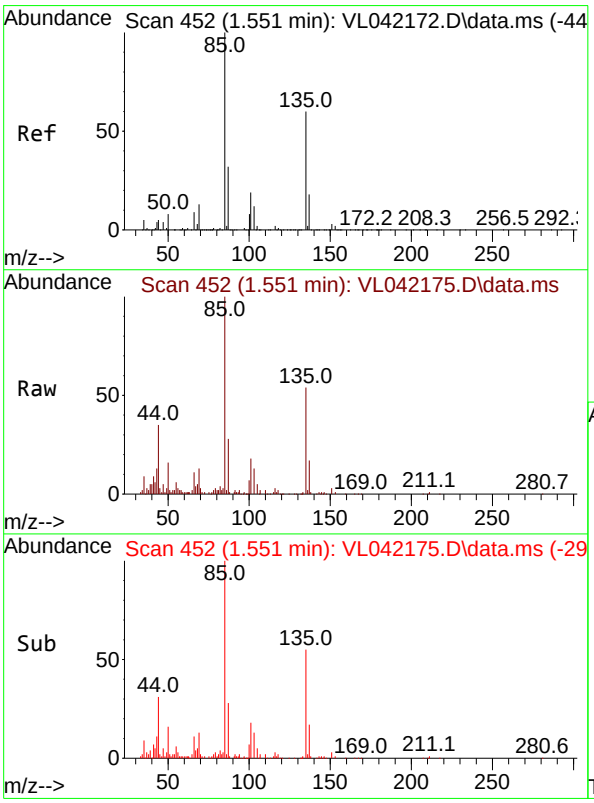
#7
Chloroethane
Concen: 0.591 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 2582

Ion	Ratio	Lower	Upper
64	100		
66	24.2	25.2	37.8#

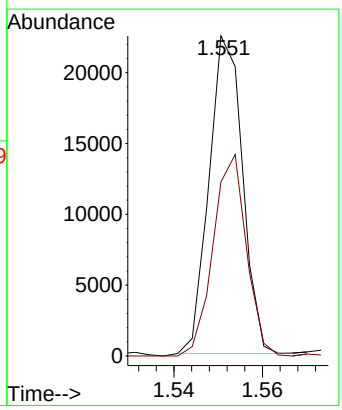


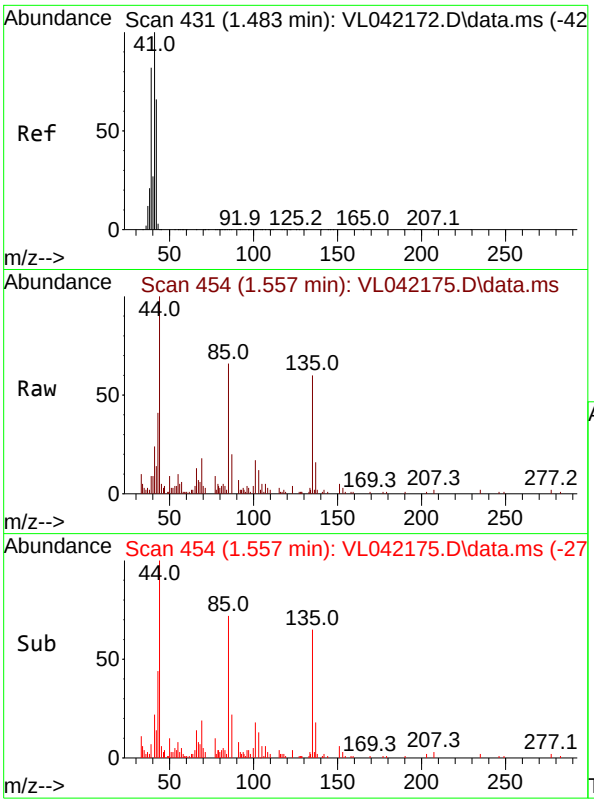


#8
Dichlorotetrafluoroethane
Concen: 0.519 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 85 Resp: 11783

Ion	Ratio	Lower	Upper
85	100		
135	63.7	52.4	78.6



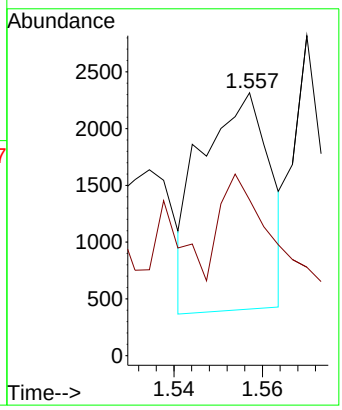


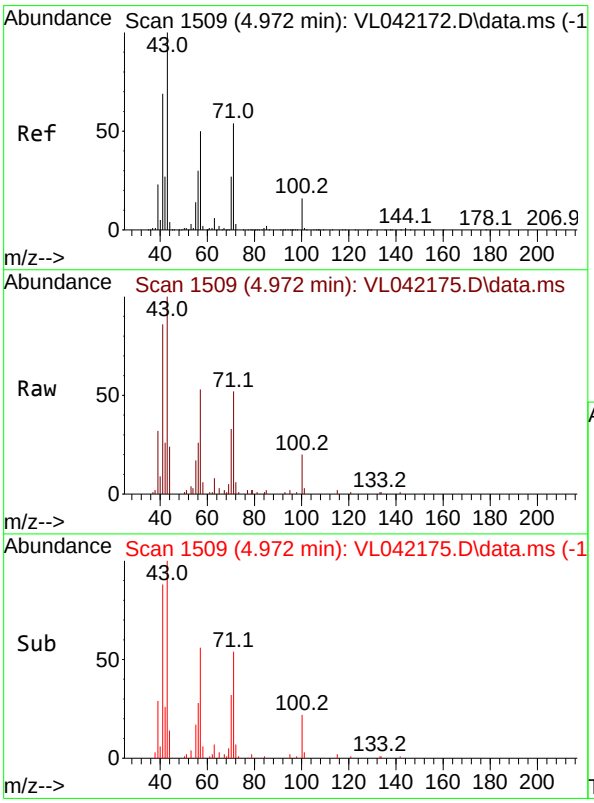
#9
Propene
Concen: 0.167 ppbv
RT: 1.557 min Scan# 4
Delta R.T. 0.074 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 2054

Ion	Ratio	Lower	Upper
41	100		
42	62.9	55.4	83.2

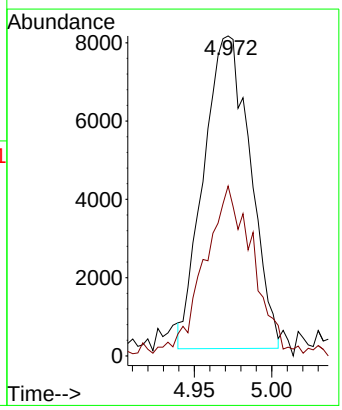


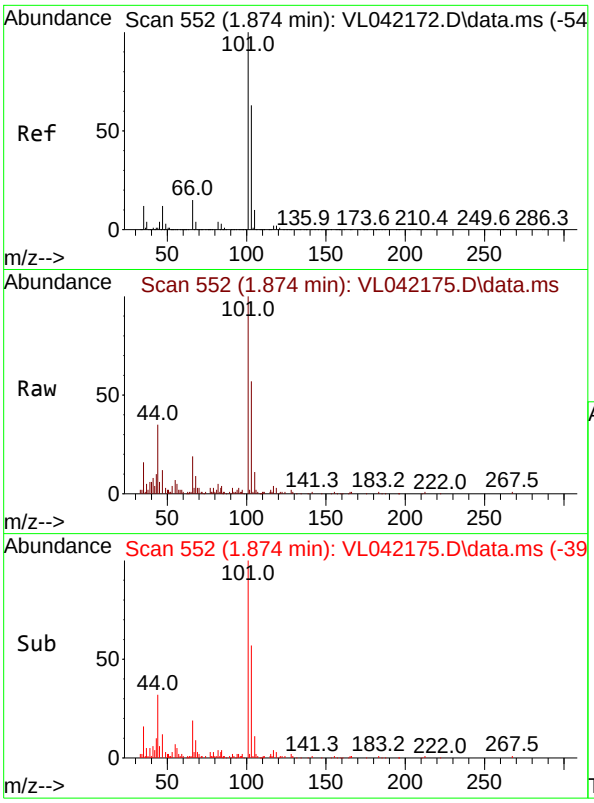


#10
Heptane
Concen: 0.502 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 16673

Ion	Ratio	Lower	Upper
43	100		
57	57.0	39.4	59.2



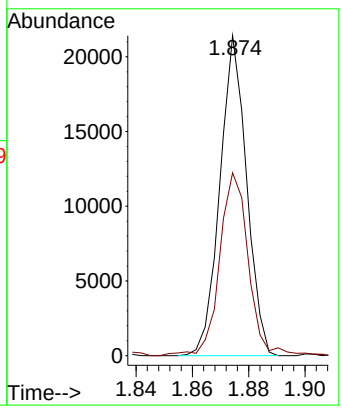


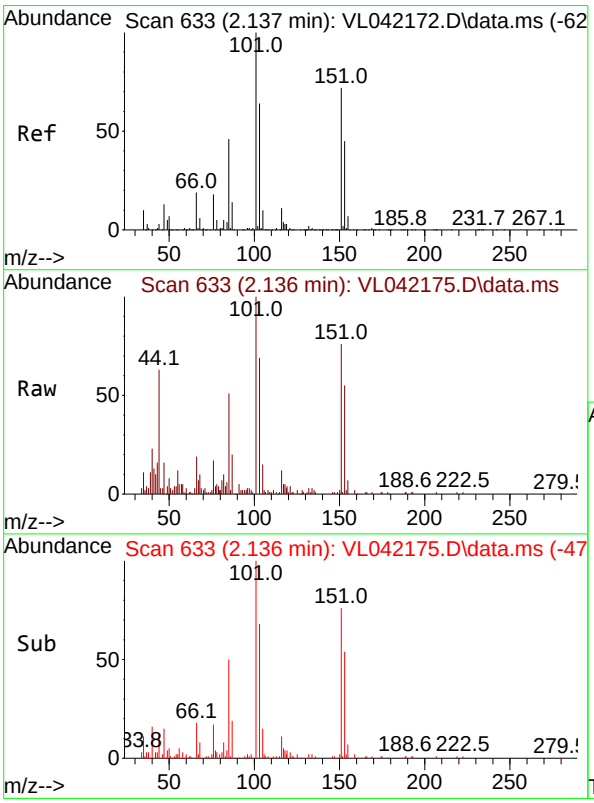
#11
Trichlorofluoromethane
Concen: 0.544 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 14099

Ion	Ratio	Lower	Upper
101	100		
103	56.3	50.2	75.2

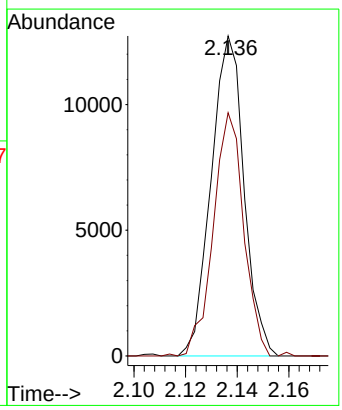


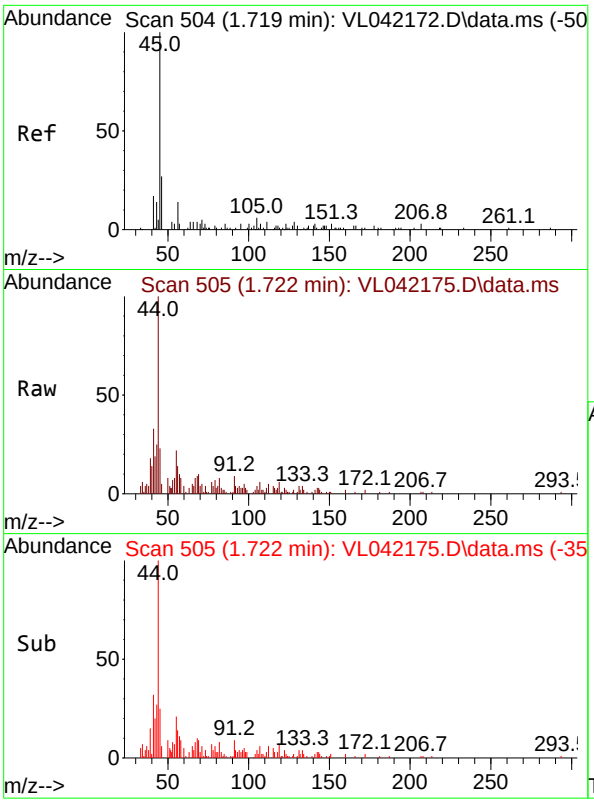


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.528 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:101 Resp: 11252

Ion	Ratio	Lower	Upper
101	100		
151	70.6	57.1	85.7



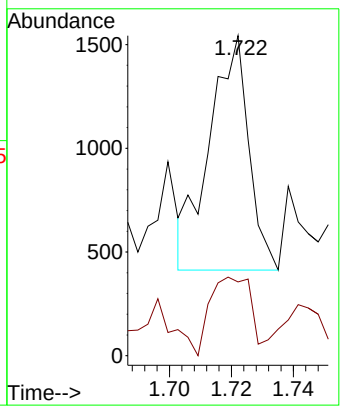


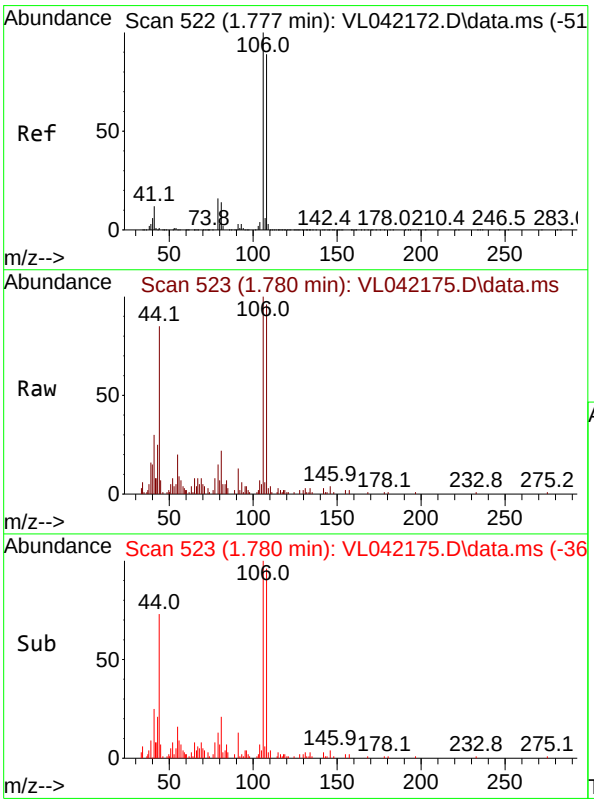
#13
Ethanol
Concen: 1.038 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 997

Ion	Ratio	Lower	Upper
45	100		
46	94.5	20.2	80.8#

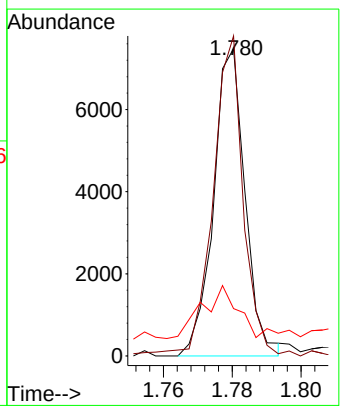


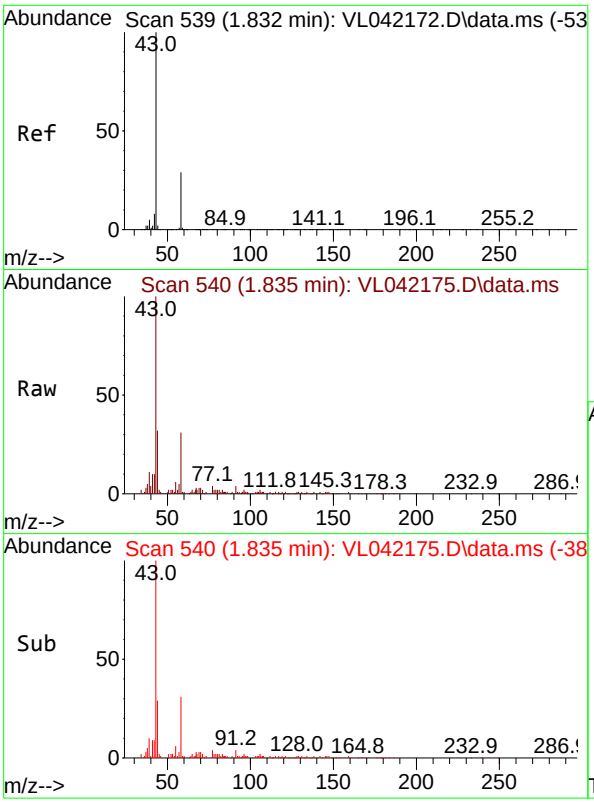


#14
Bromoethene
Concen: 0.584 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:108 Resp: 4770

Ion	Ratio	Lower	Upper
108	100		
106	101.3	86.8	130.2
79	42.6	15.0	22.6#



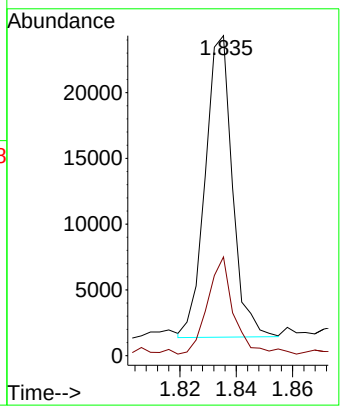


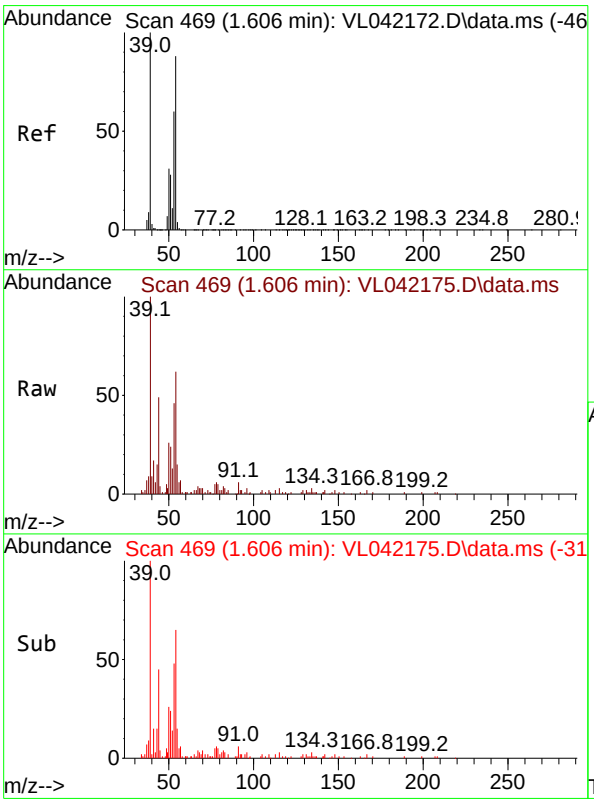
#15
Acetone
Concen: 0.607 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 15331

Ion	Ratio	Lower	Upper
43	100		
58	37.1	23.2	34.8#

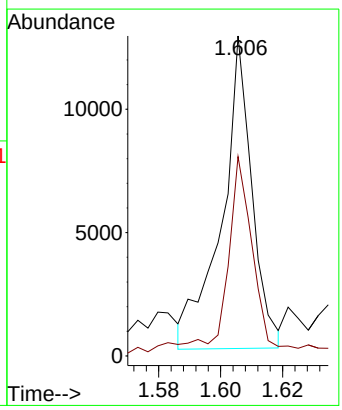


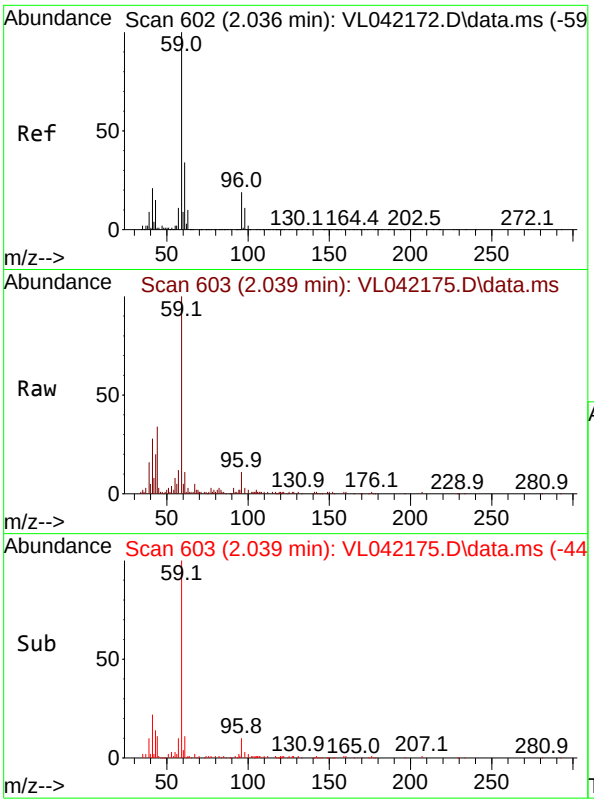


#16
1,3-Butadiene
Concen: 0.757 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 39 Resp: 8594

Ion	Ratio	Lower	Upper
39	100		
54	60.7	60.7	91.1



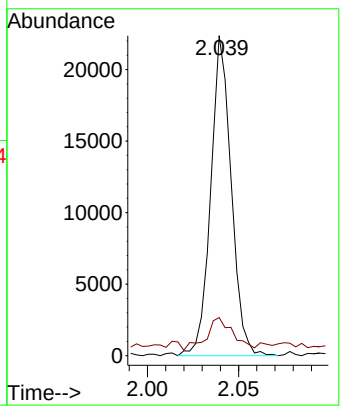


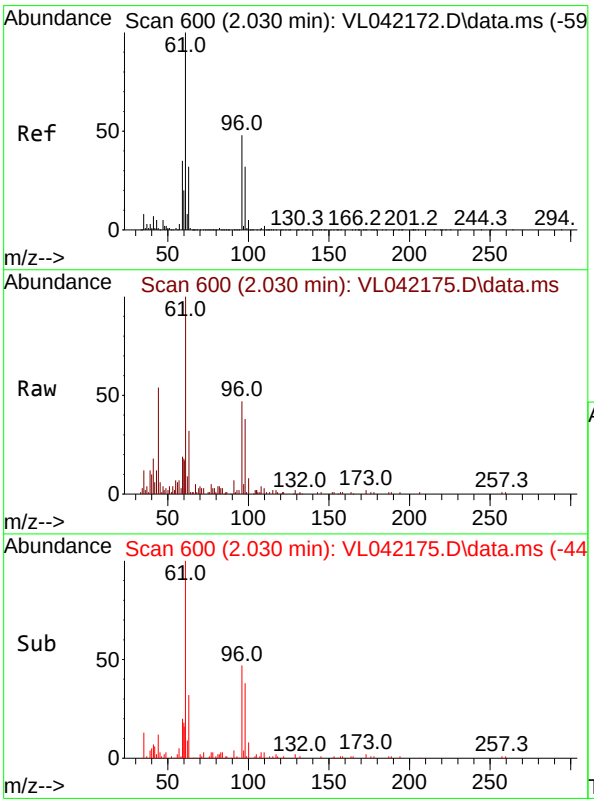
#17
tert-Butyl alcohol
Concen: 0.556 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 17467

Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.9	13.3

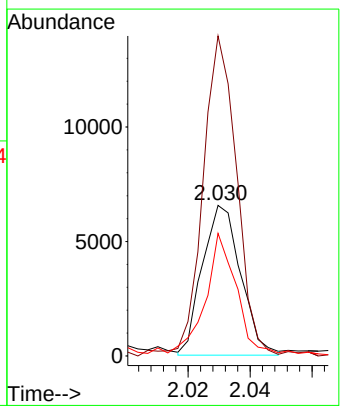


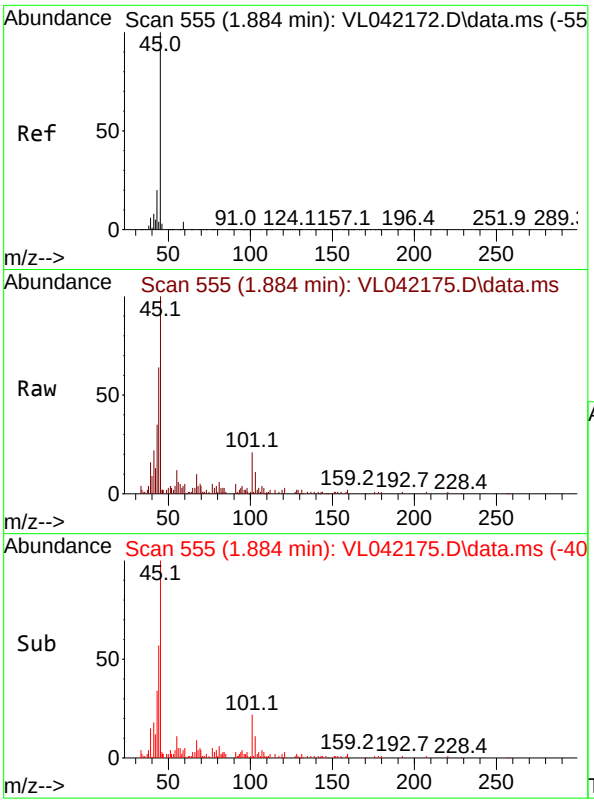


#18
1,1-Dichloroethene
Concen: 0.565 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 96 Resp: 5634

Ion	Ratio	Lower	Upper
96	100		
61	216.6	167.6	251.4
98	81.2	53.5	80.3#



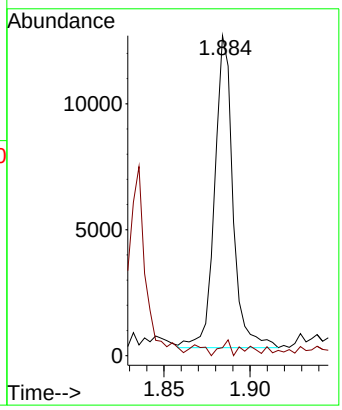


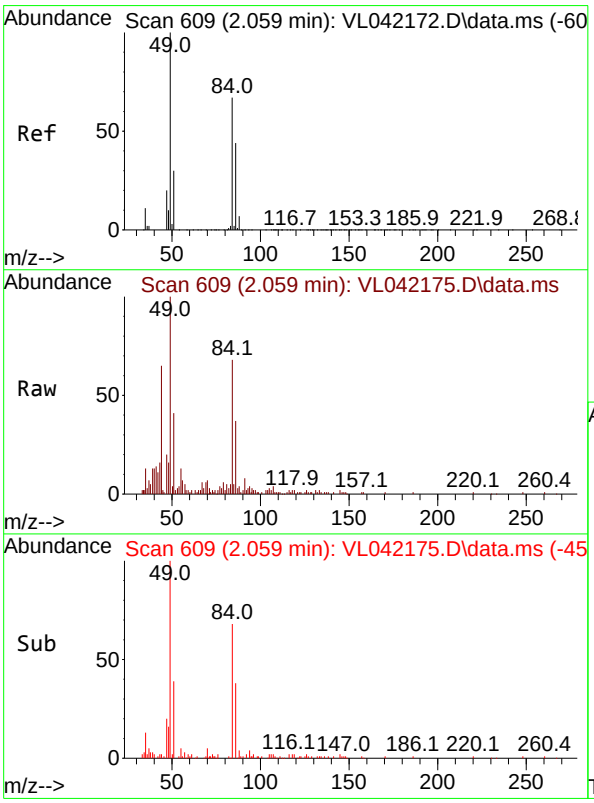
#19
Isopropyl Alcohol
Concen: 0.644 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 9171

Ion	Ratio	Lower	Upper
45	100		
58	5.5	36.9	55.3#

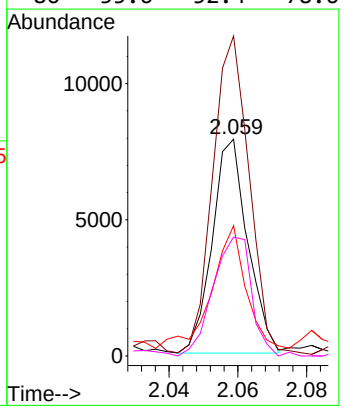


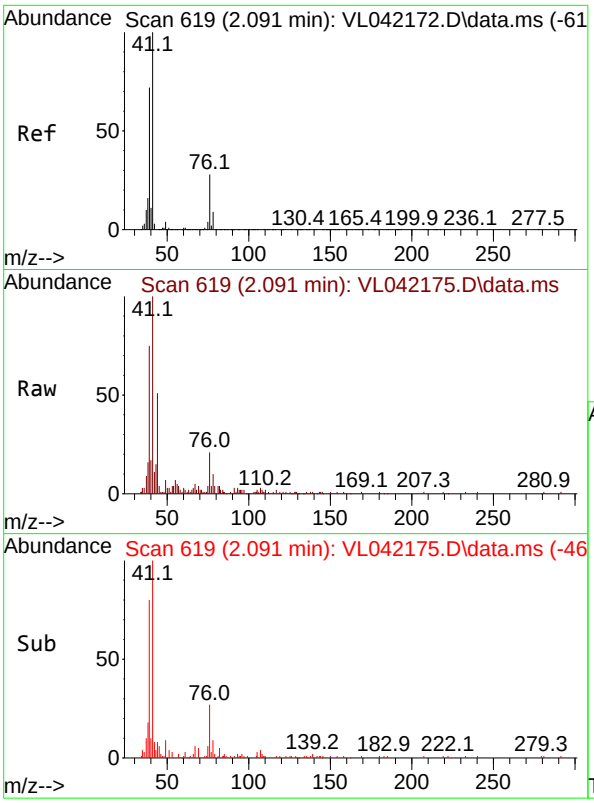


#20
Methylene Chloride
Concen: 0.599 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 84 Resp: 5634

Ion	Ratio	Lower	Upper
84	100		
49	148.1	120.2	180.4
51	56.1	37.4	56.0#
86	55.6	52.4	78.6



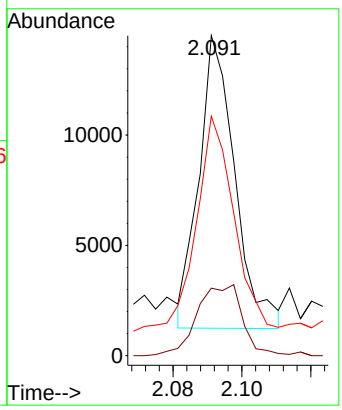


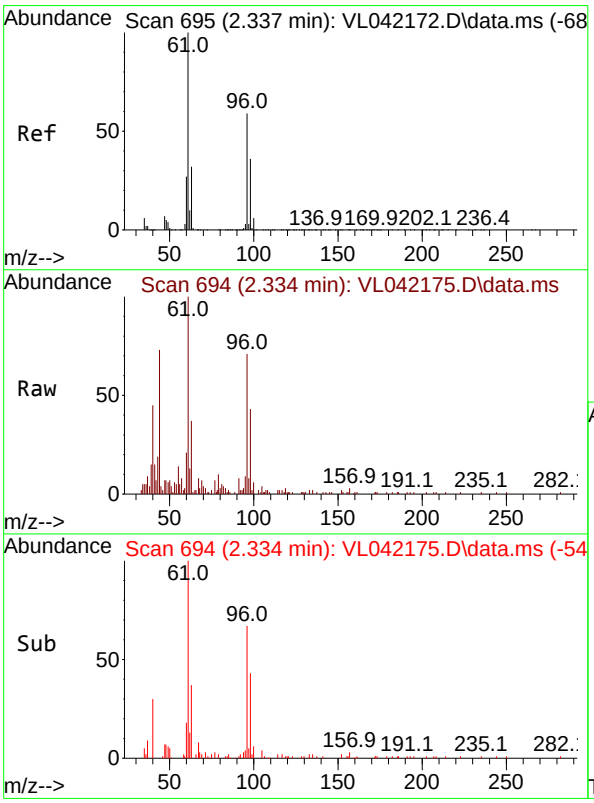
#21
Allyl Chloride
Concen: 0.541 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 9632

Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.1	36.1
39	88.9	61.1	91.7

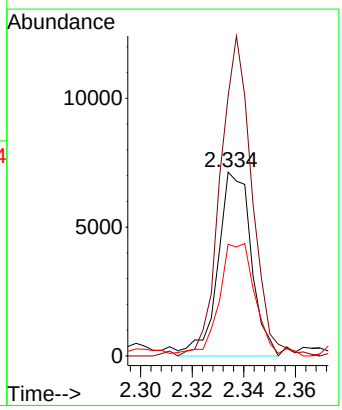


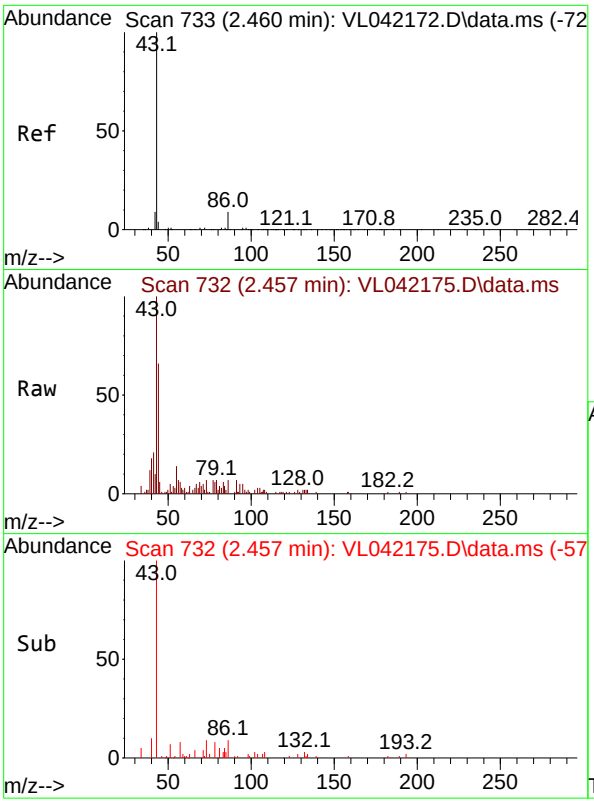


#22
trans-1,2-Dichloroethene
Concen: 0.546 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 96 Resp: 6353

Ion	Ratio	Lower	Upper
96	100		
61	141.3	136.6	204.8
98	59.4	49.4	74.2



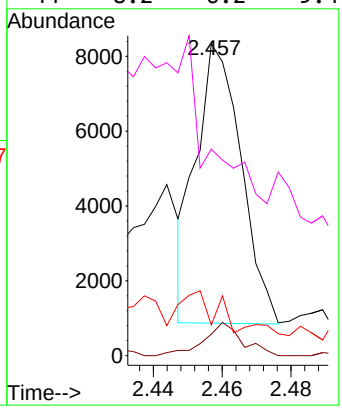


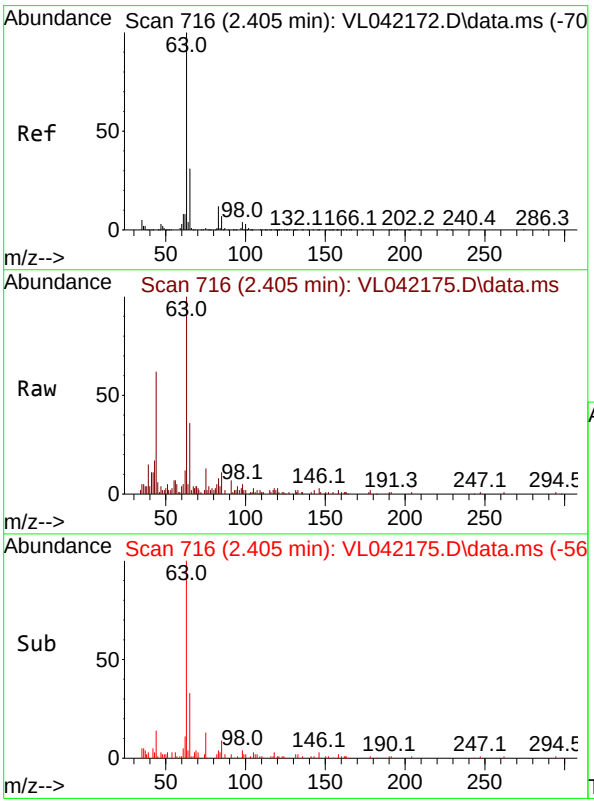
#23
Vinyl Acetate
Concen: 0.649 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 6809

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.5	8.3
42	3.2	8.6	13.0#
44	8.2	6.2	9.4

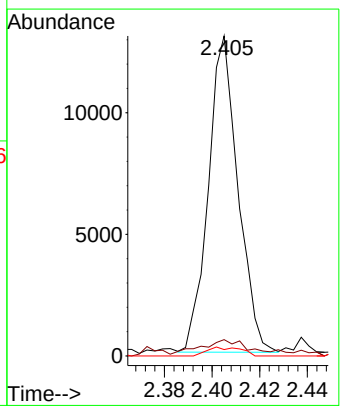


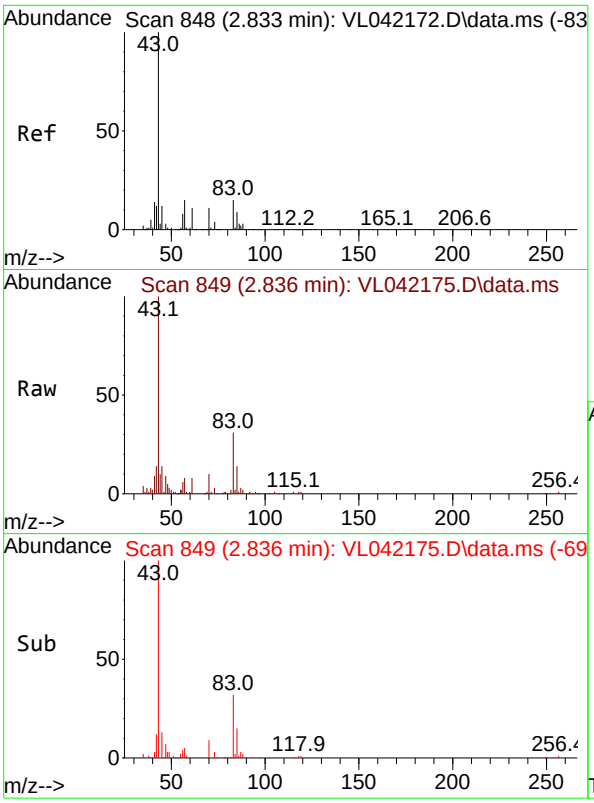


#24
1,1-Dichloroethane
Concen: 0.527 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 63 Resp: 11258

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.3	6.8
100	2.0	1.6	4.7



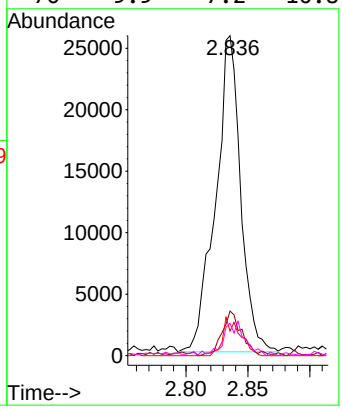


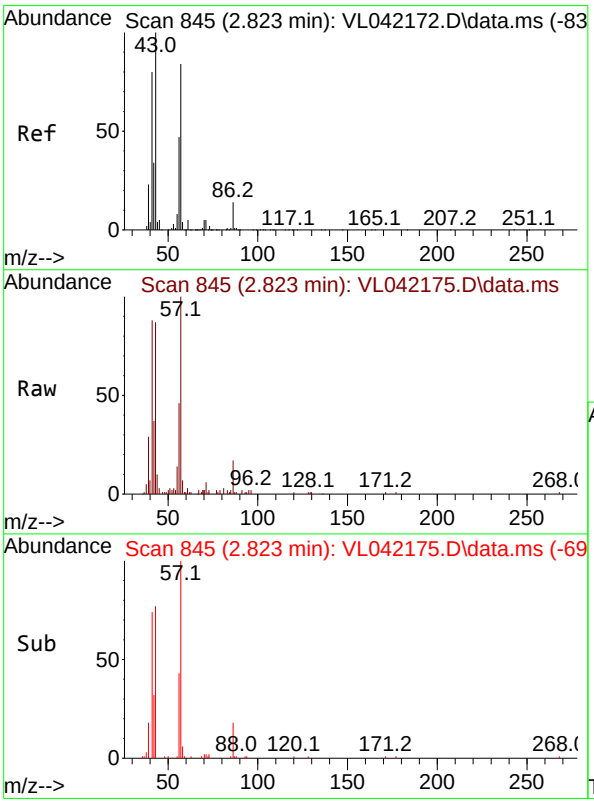
#25
Ethyl Acetate
Concen: 0.553 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 36258

Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.2	12.2
61	8.3	7.3	10.9
70	9.9	7.2	10.8

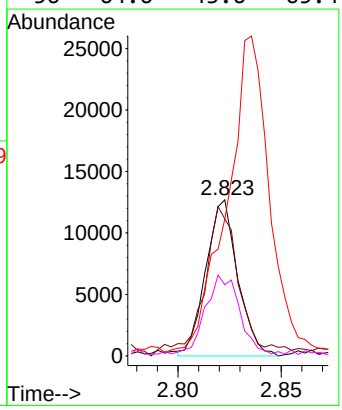


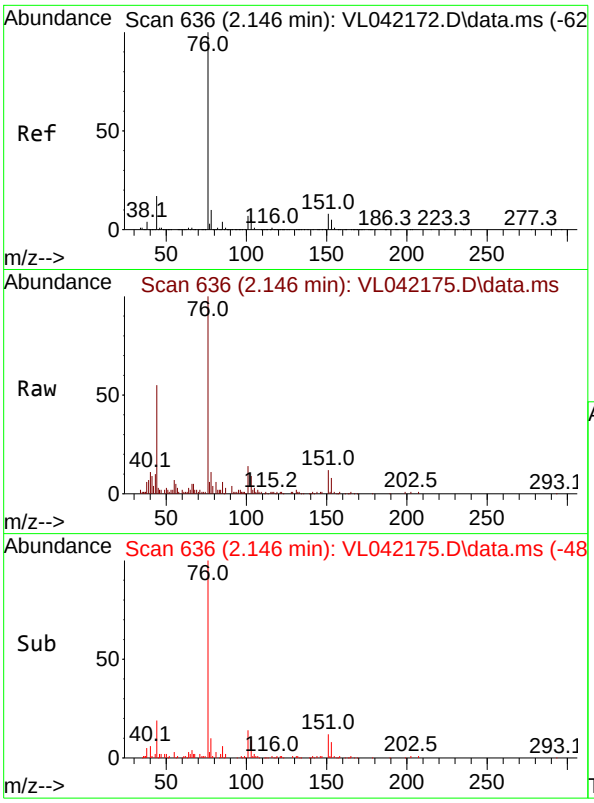


#26
Hexane
Concen: 0.538 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 57 Resp: 13605

Ion	Ratio	Lower	Upper
57	100		
41	92.1	76.6	114.8
43	273.4	207.8	311.8
56	64.6	43.6	65.4



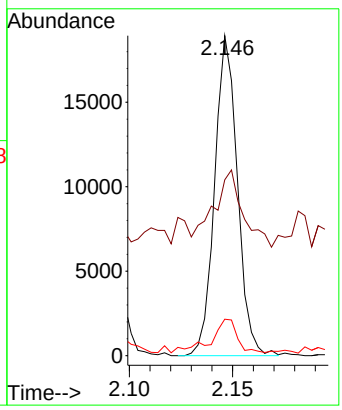


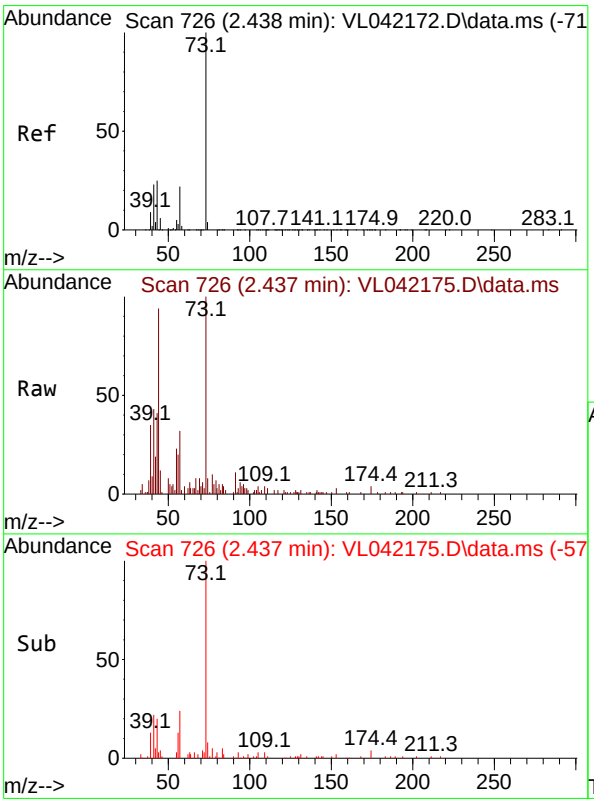
#27
Carbon Disulfide
Concen: 0.535 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 14510

Ion	Ratio	Lower	Upper
76	100		
44	115.5	14.7	22.1#
78	14.9	9.3	13.9#

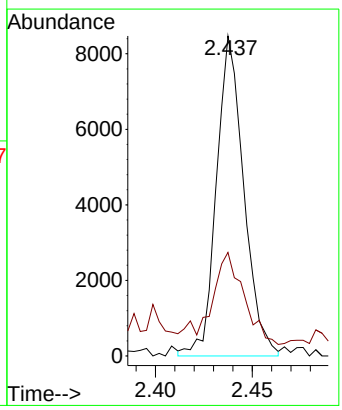


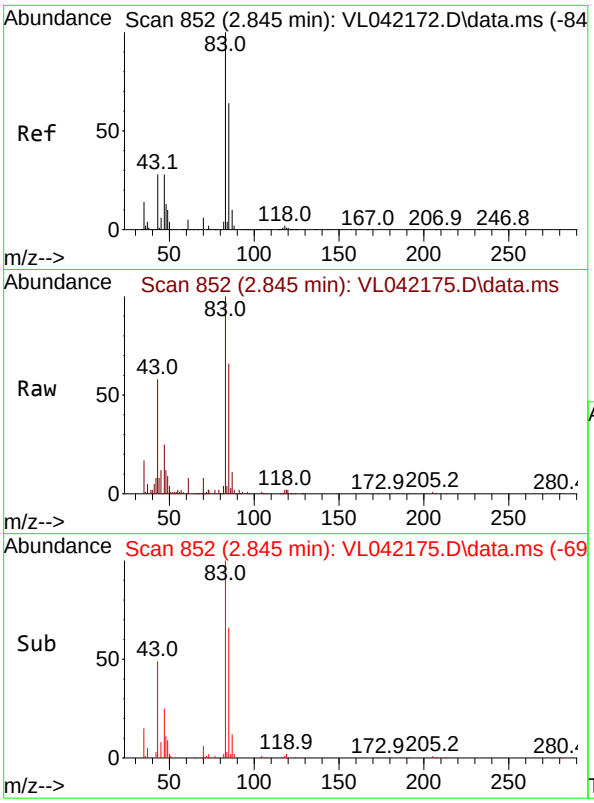


#28
Methyl tert-Butyl Ether
Concen: 0.527 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 73 Resp: 8310

Ion	Ratio	Lower	Upper
73	100		
57	31.1	20.5	30.7#



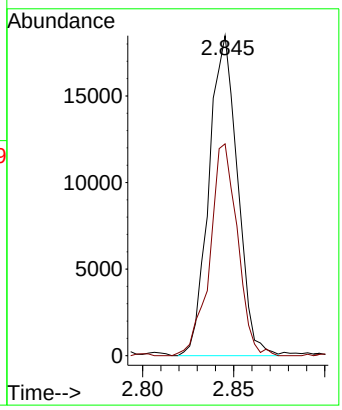


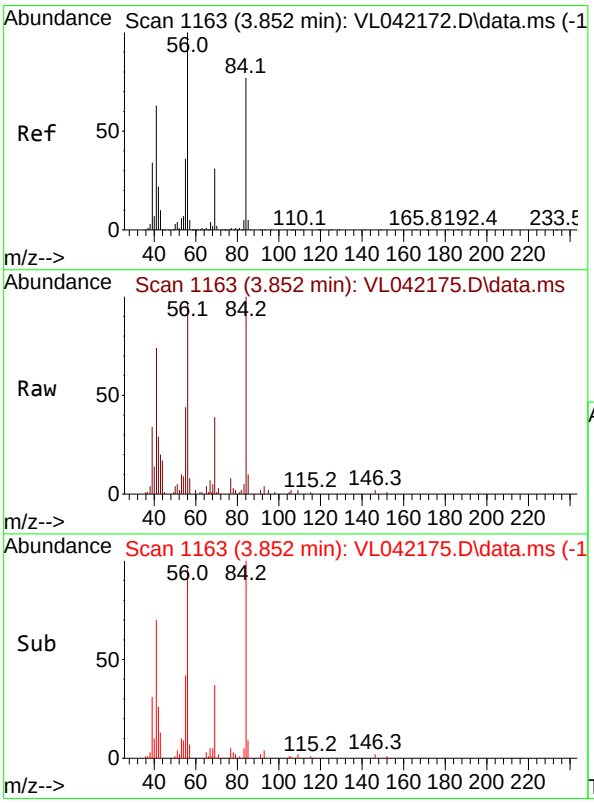
#29
Chloroform
Concen: 0.544 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 20149

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2

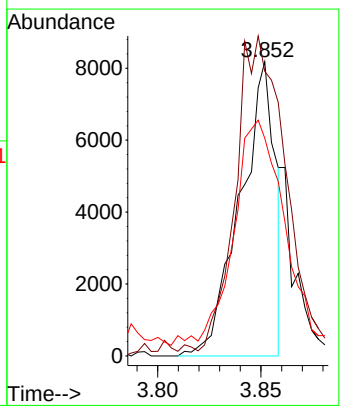


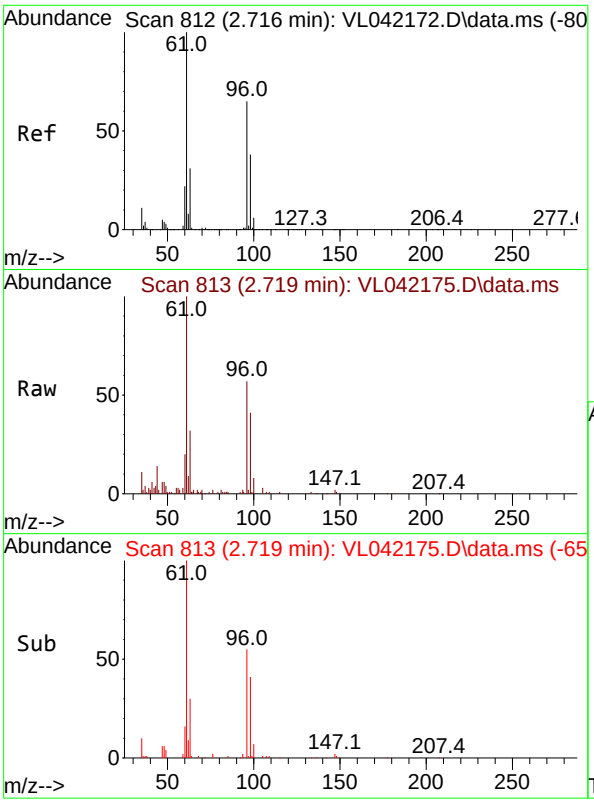


#30
Cyclohexane
Concen: 0.438 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 84 Resp: 9635

Ion	Ratio	Lower	Upper
84	100		
56	158.1	102.8	154.2#
41	117.1	66.5	99.7#



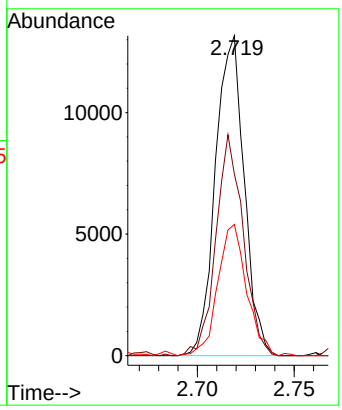


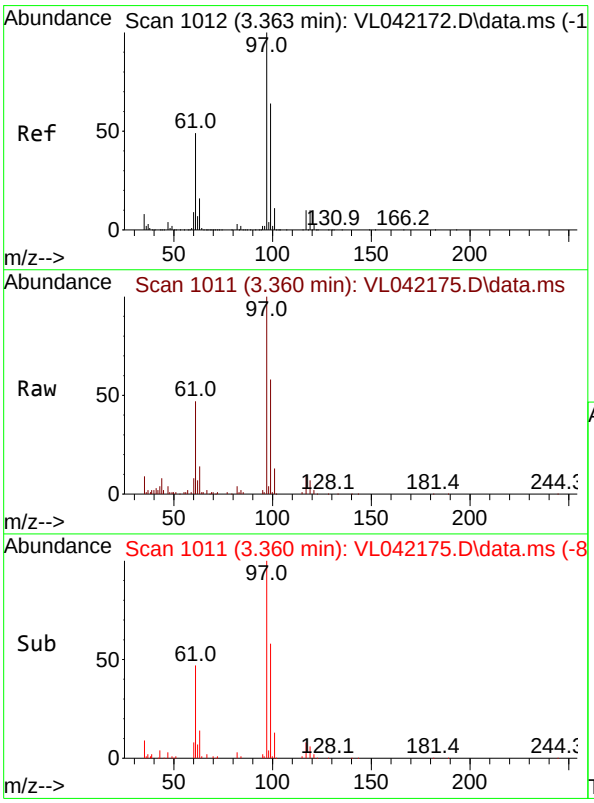
#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 13601

Ion	Ratio	Lower	Upper
61	100		
96	56.8	51.8	77.8
98	41.0	30.6	46.0

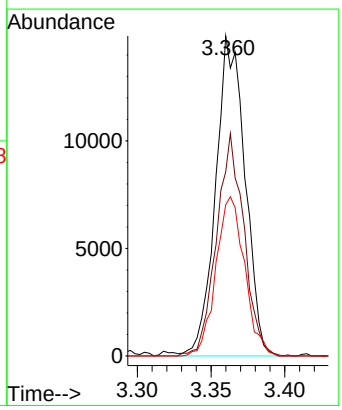


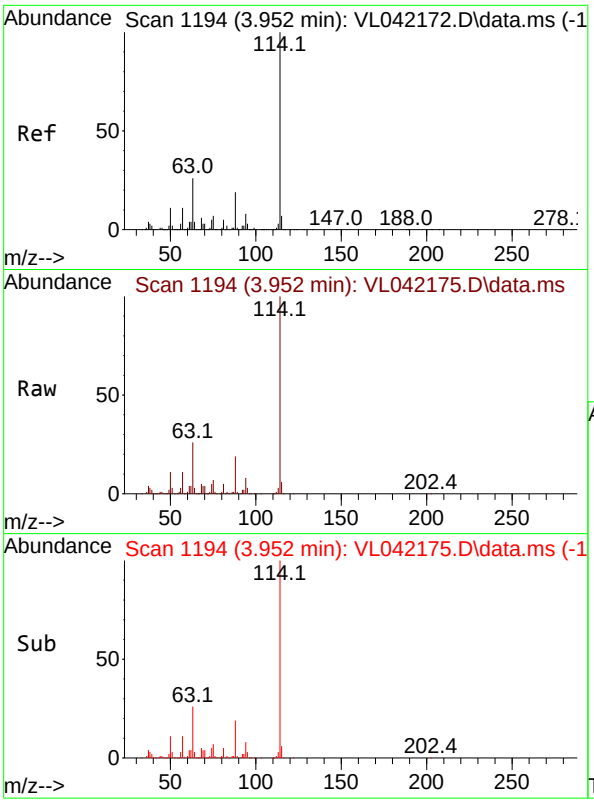


#32
1,1,1-Trichloroethane
Concen: 0.485 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 97 Resp: 20567

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	48.6	38.7	58.1



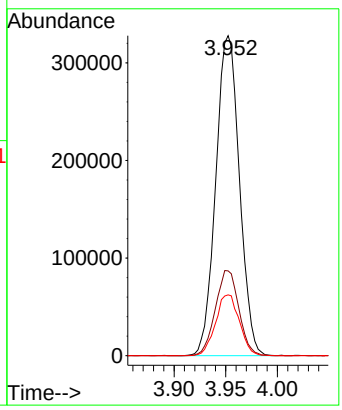


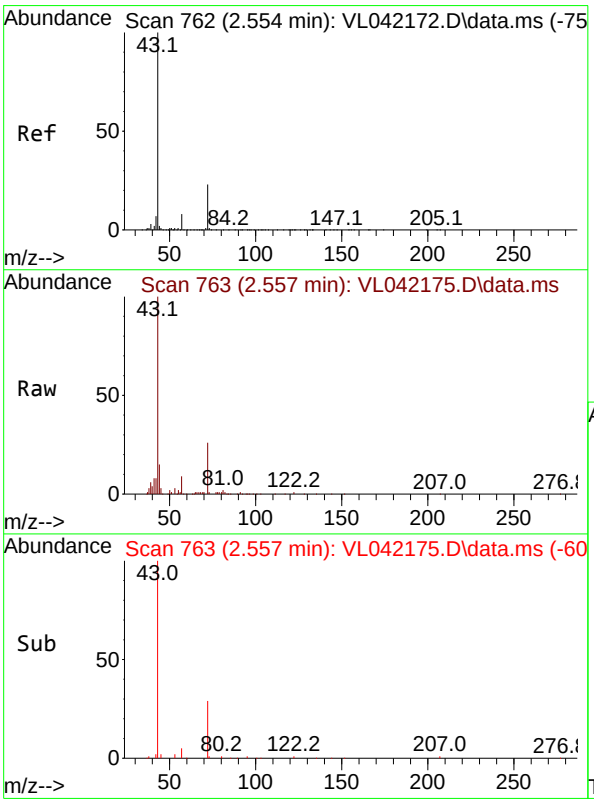
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 523832

Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.7	31.1
88	19.1	15.0	22.4

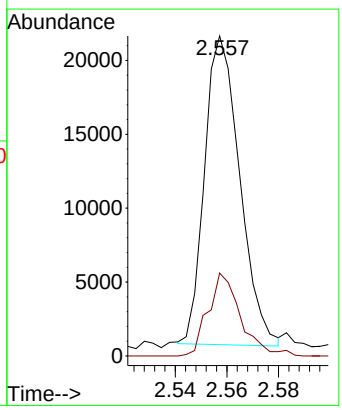


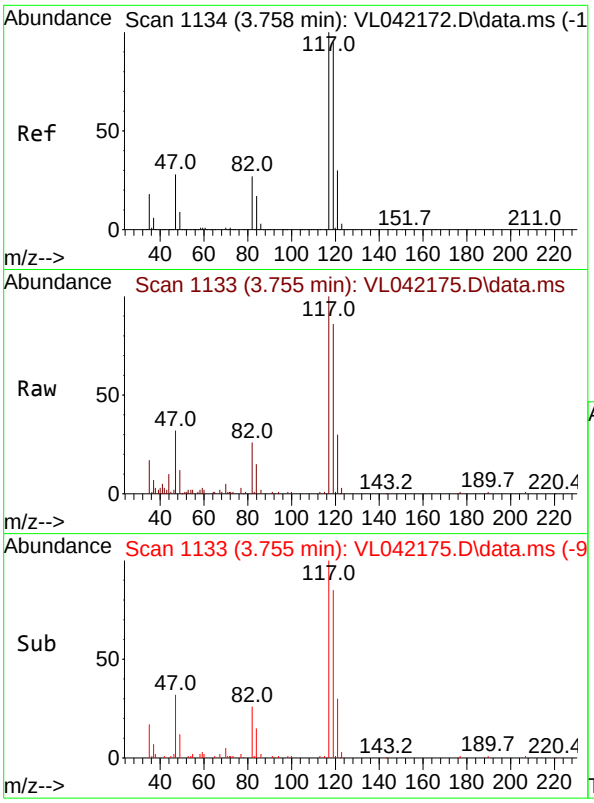


#34
2-Butanone
Concen: 0.520 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 19739

Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.2	27.2



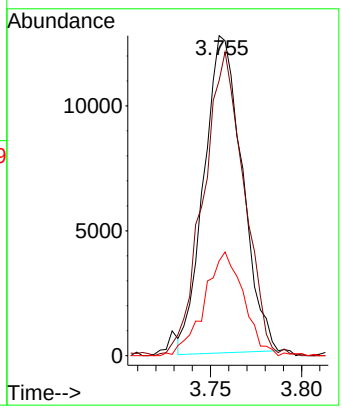


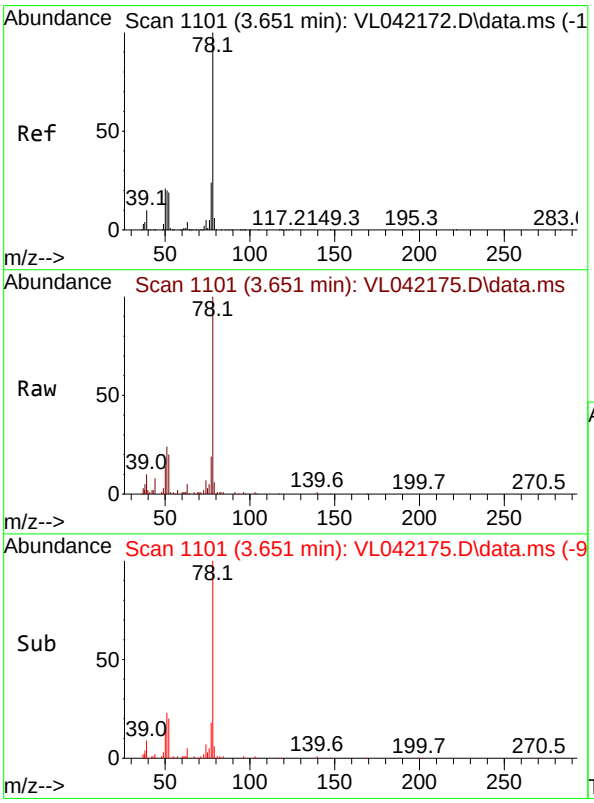
#35
Carbon Tetrachloride
Concen: 0.460 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 18558

Ion	Ratio	Lower	Upper
117	100		
119	86.4	76.2	114.2
121	30.1	24.2	36.4

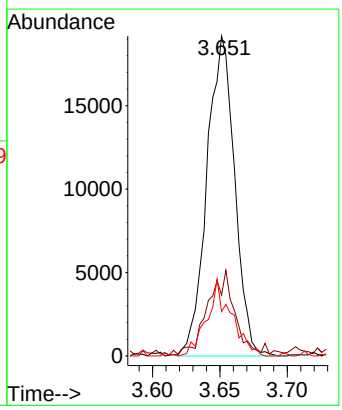


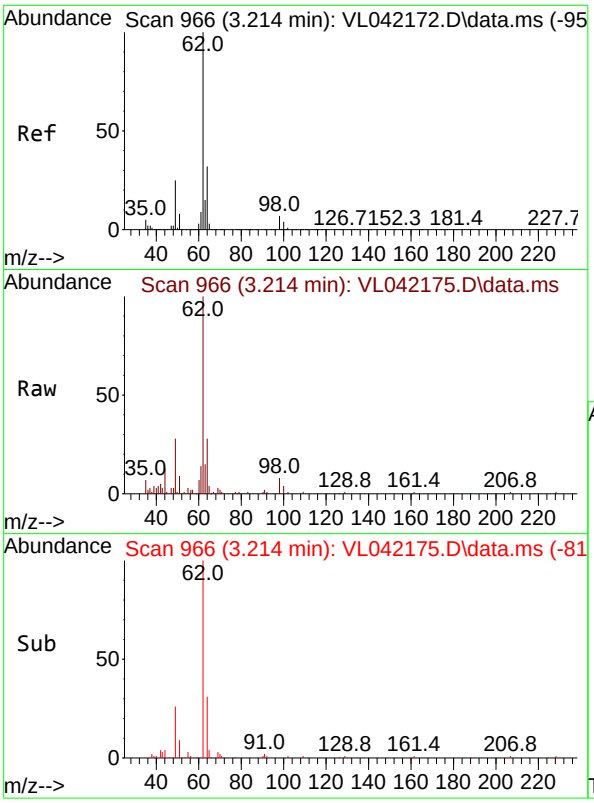


#36
Benzene
Concen: 0.529 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 78 Resp: 27488

Ion	Ratio	Lower	Upper
78	100		
77	18.5	19.1	28.7#
50	13.9	16.6	24.8#



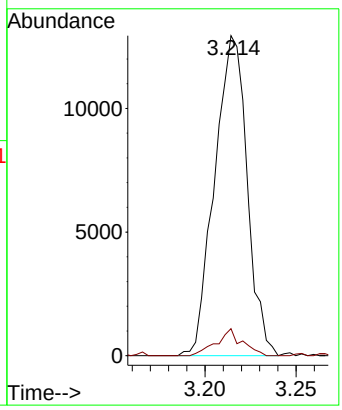


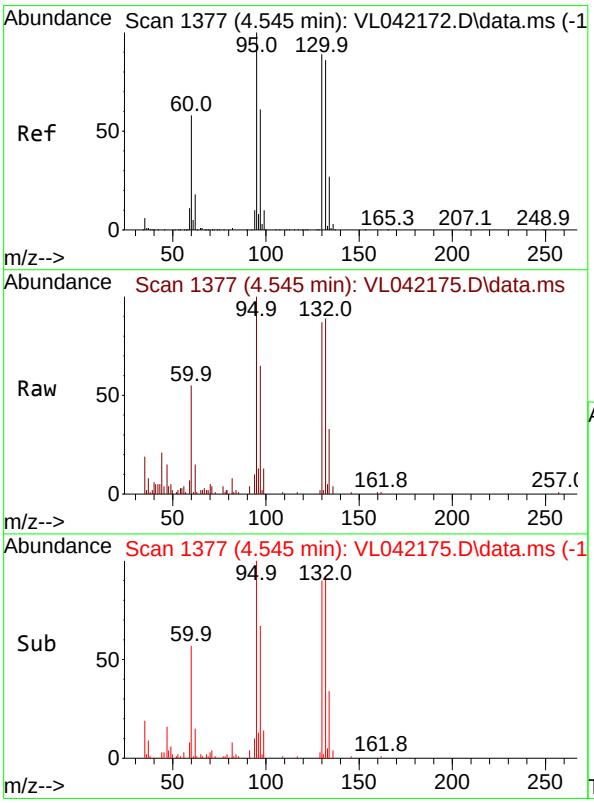
#37
1,2-Dichloroethane
Concen: 0.540 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 16062

Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.4	8.2

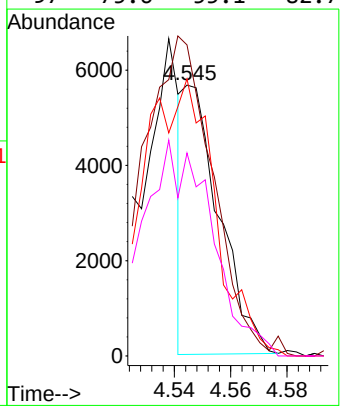


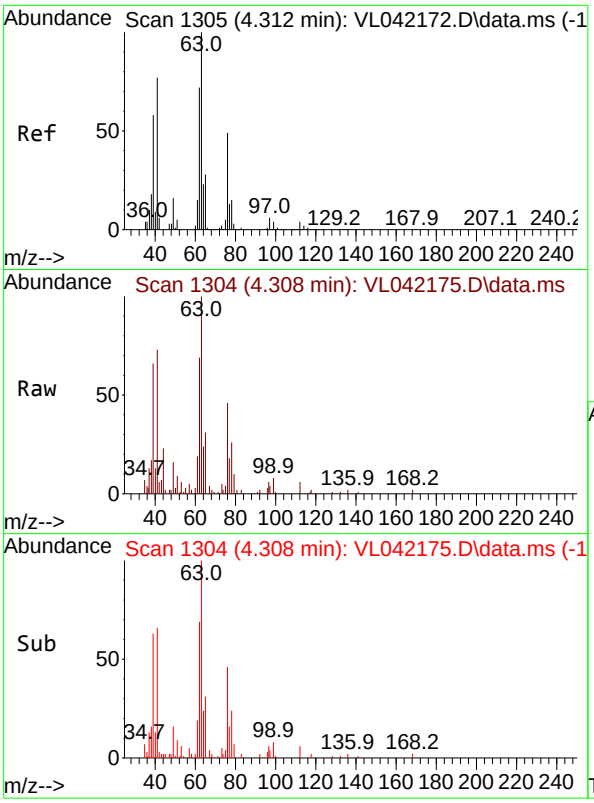


#38
Trichloroethene
Concen: 0.230 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:130 Resp: 4992

Ion	Ratio	Lower	Upper
130	100		
95	108.5	89.8	134.8
132	100.9	77.4	116.2
97	75.6	55.1	82.7



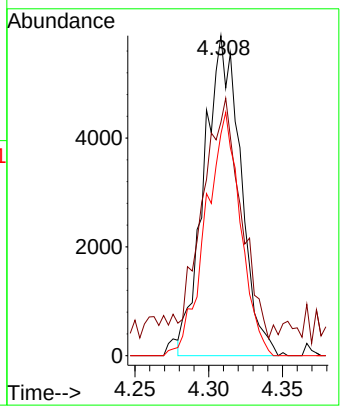


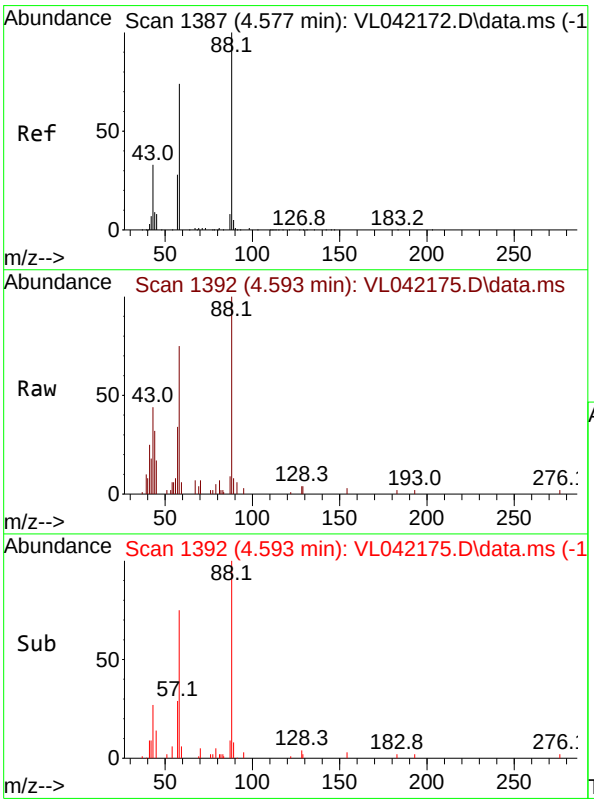
#39
1,2-Dichloropropane
Concen: 0.535 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 10123

Ion	Ratio	Lower	Upper
63	100		
41	66.4	61.7	92.5
62	69.3	57.6	86.4

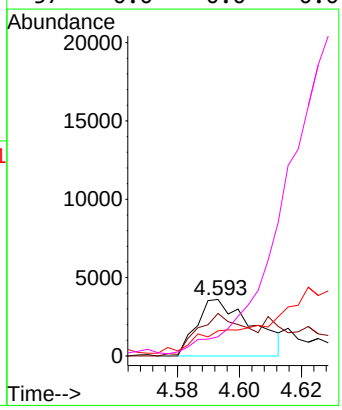


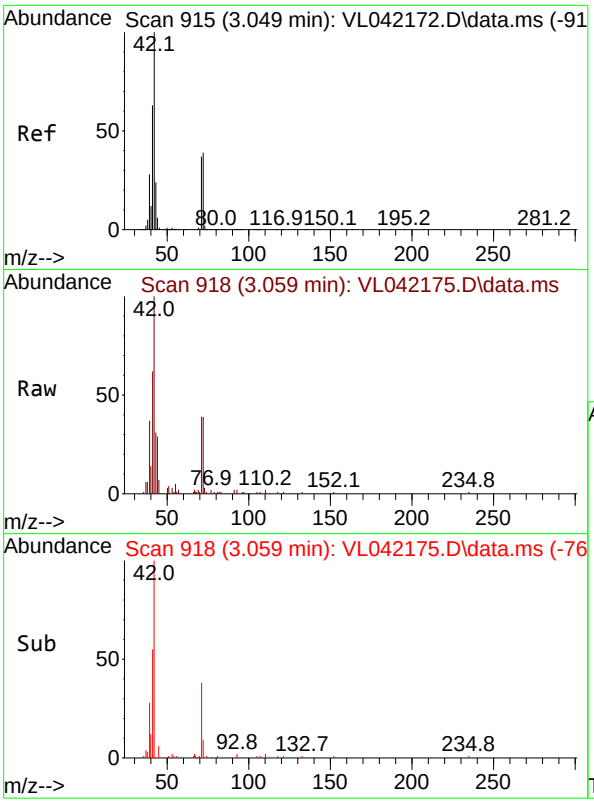


#40
1,4-Dioxane
Concen: 0.457 ppbv
RT: 4.593 min Scan# 1392
Delta R.T. 0.016 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 88 Resp: 4487

Ion	Ratio	Lower	Upper
88	100		
58	151.6	62.7	94.1#
43	0.0	23.0	34.4#
57	0.0	0.0	0.0



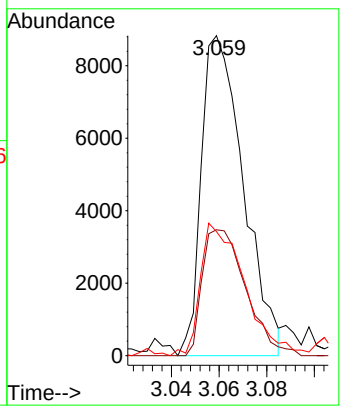


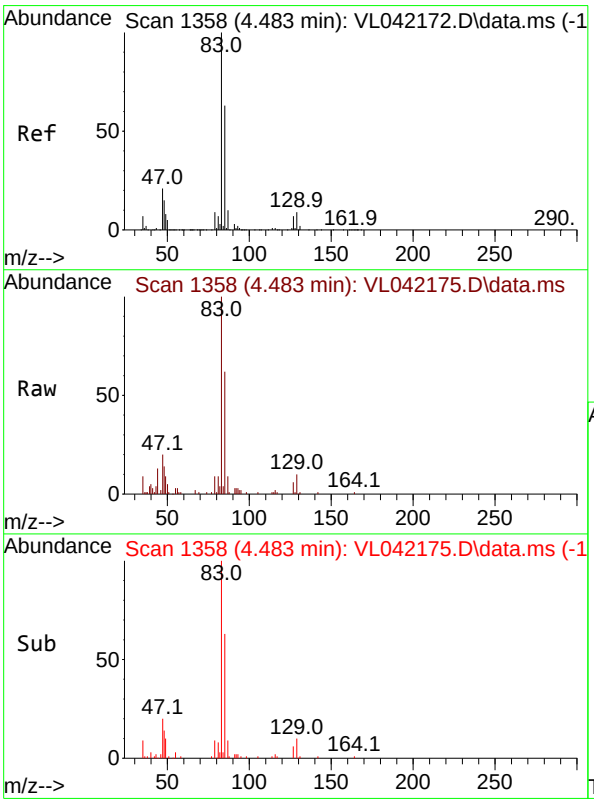
#41
Tetrahydrofuran
Concen: 0.502 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 10856

Ion	Ratio	Lower	Upper
42	100		
72	40.7	31.4	47.0
71	43.1	30.2	45.4

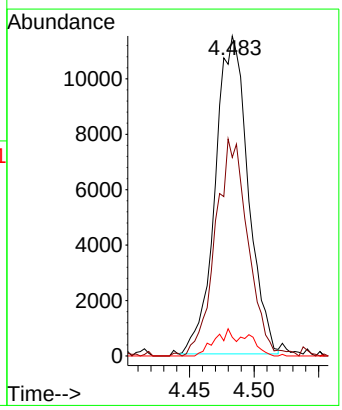


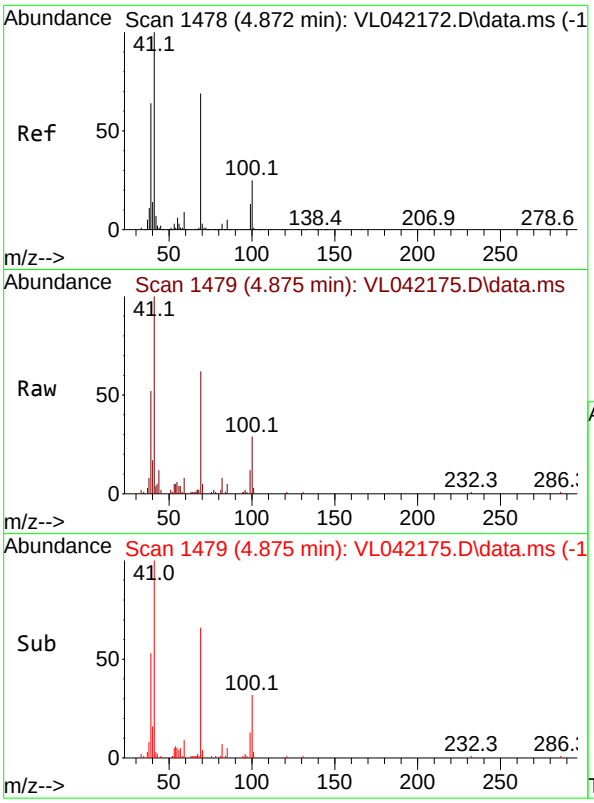


#42
Bromodichloromethane
Concen: 0.497 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 83 Resp: 20374

Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.5	75.7
127	5.9	5.9	8.9#



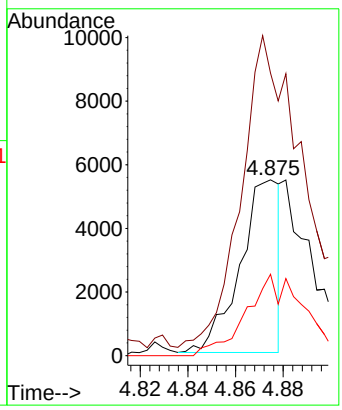


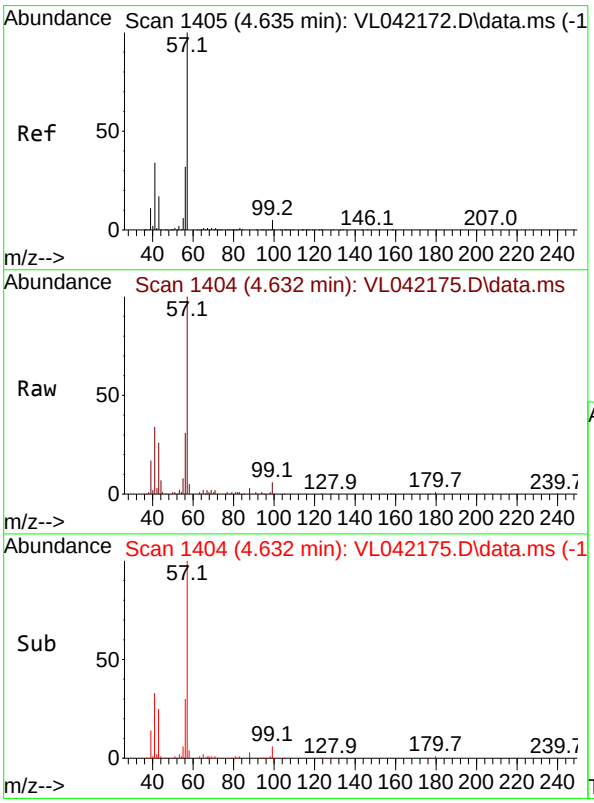
#43
Methyl Methacrylate
Concen: 0.284 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 6229

Ion	Ratio	Lower	Upper
69	100		
41	279.4	123.8	185.6#
100	70.5	28.4	42.6#

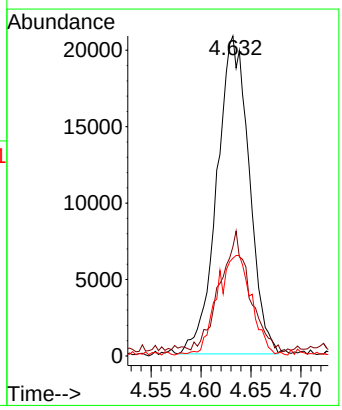


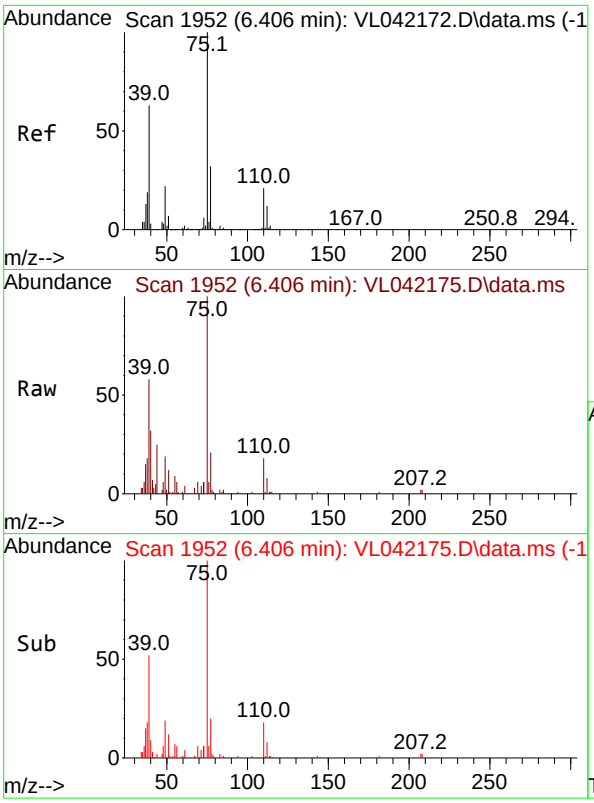


#44
2,2,4-Trimethylpentane
Concen: 0.532 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 57 Resp: 46646

Ion	Ratio	Lower	Upper
57	100		
41	36.7	26.8	40.2
56	34.3	25.6	38.4



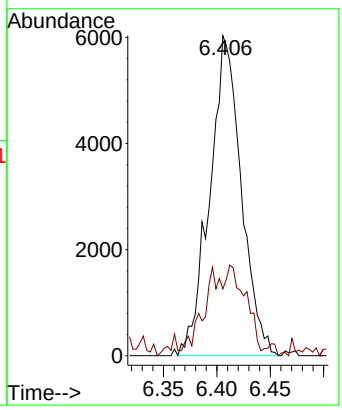


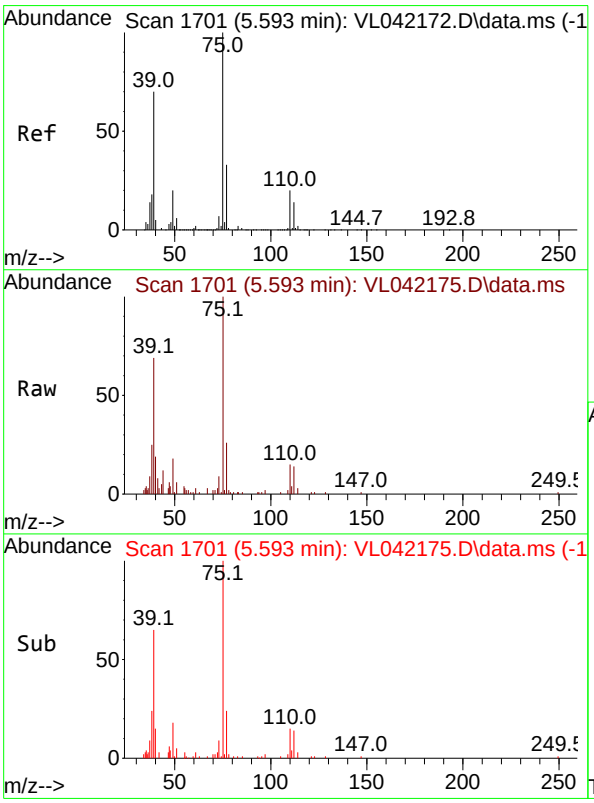
#45
t-1,3-Dichloropropene
Concen: 0.526 ppbv
RT: 6.406 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 12404

Ion	Ratio	Lower	Upper
75	100		
77	20.9	26.0	39.0#

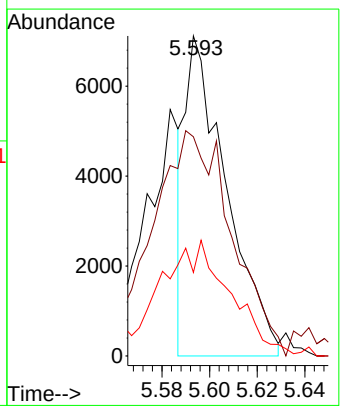


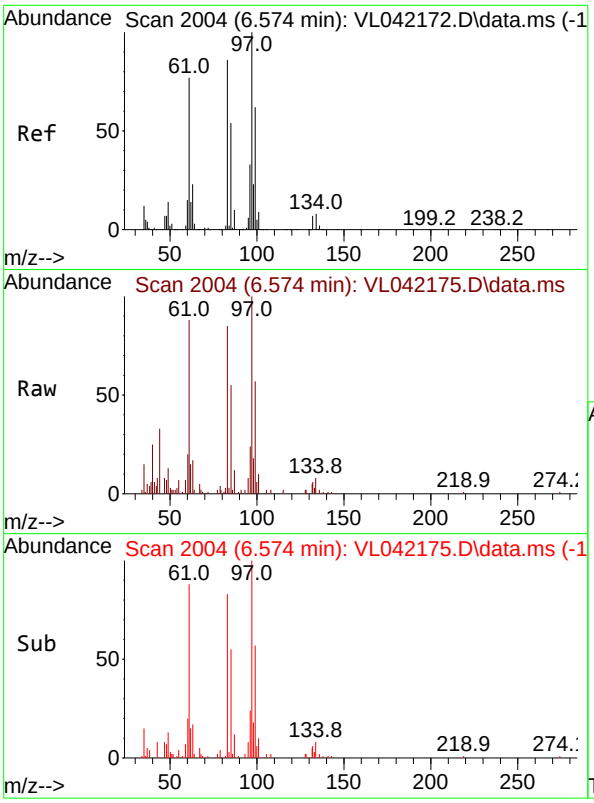


#46
cis-1,3-Dichloropropene
Concen: 0.297 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 75 Resp: 8584

Ion	Ratio	Lower	Upper
75	100		
39	65.0	55.8	83.6
77	23.4	26.0	39.0#



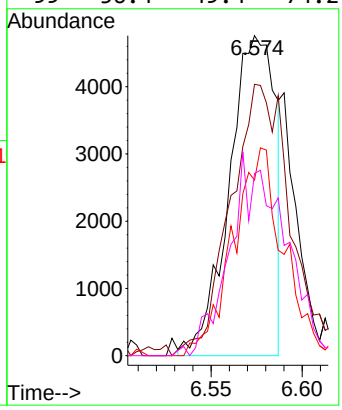


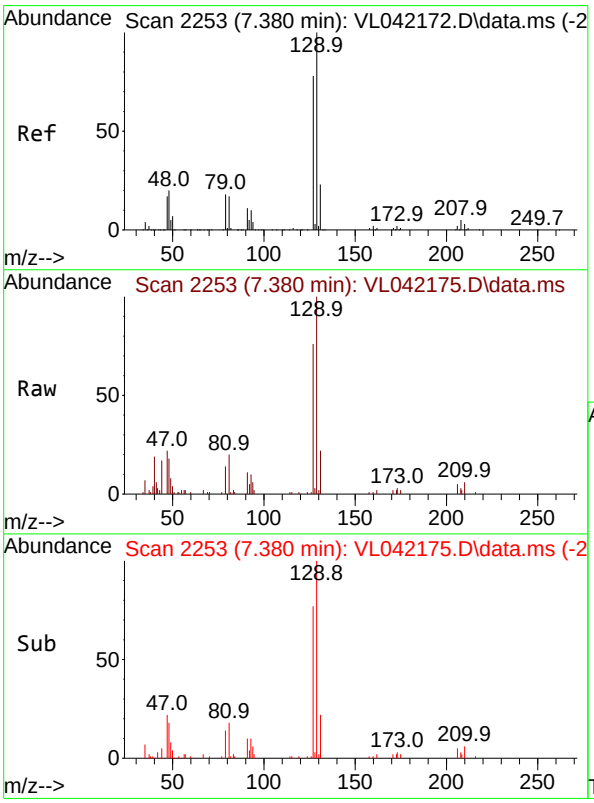
#47
1,1,2-Trichloroethane
Concen: 0.419 ppbv
RT: 6.574 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 8374

Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.2	103.8
85	55.9	43.1	64.7
99	56.4	49.4	74.2

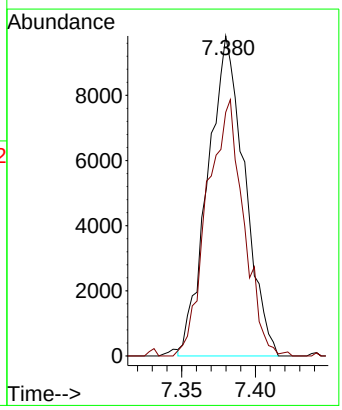


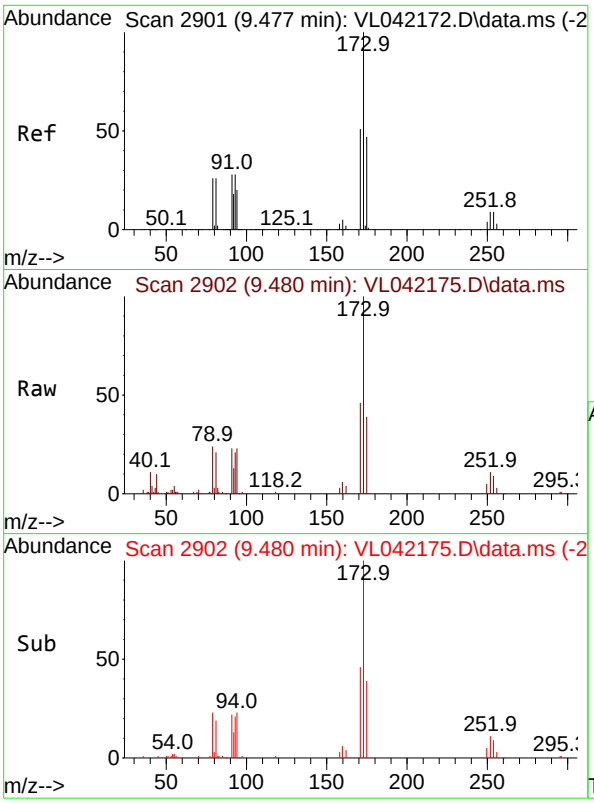


#48
Dibromochloromethane
Concen: 0.503 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:129 Resp: 17042

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.1	117.2



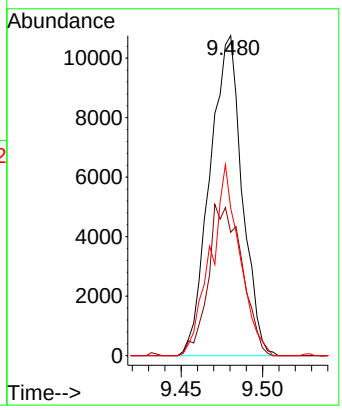


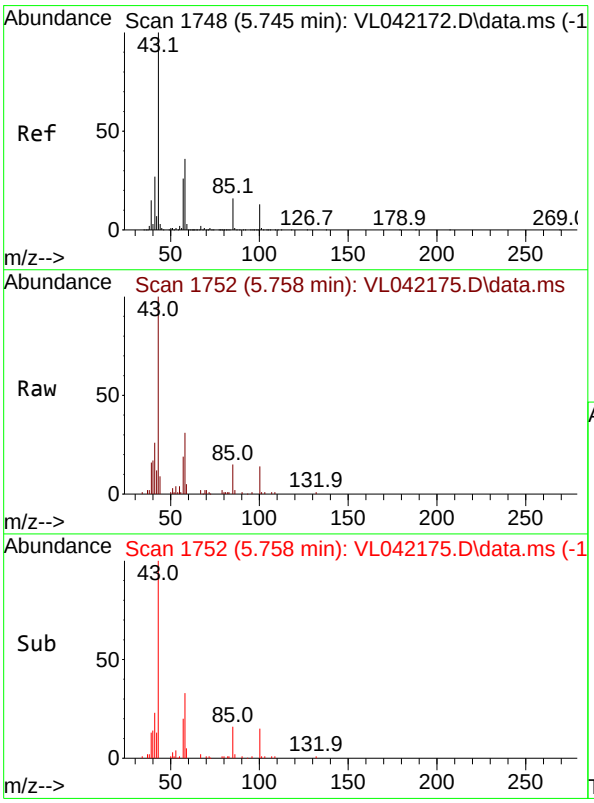
#49
Bromoform
Concen: 0.487 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 14828

Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
171	53.8	41.8	62.6

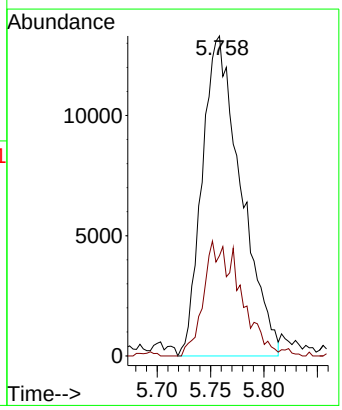


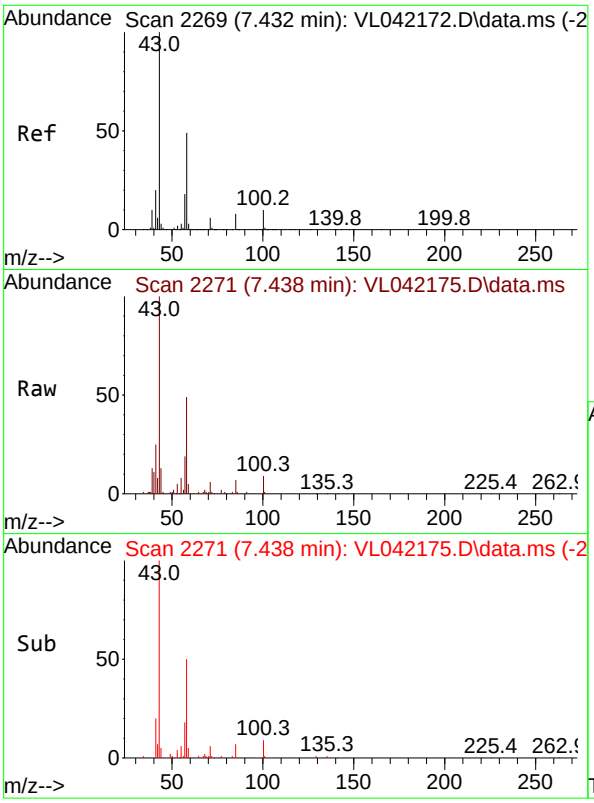


#50
4-Methyl-2-Pentanone
Concen: 0.559 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.013 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 43 Resp: 33674

Ion	Ratio	Lower	Upper
43	100		
58	34.4	29.0	43.6



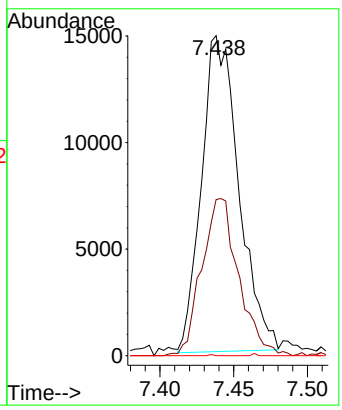


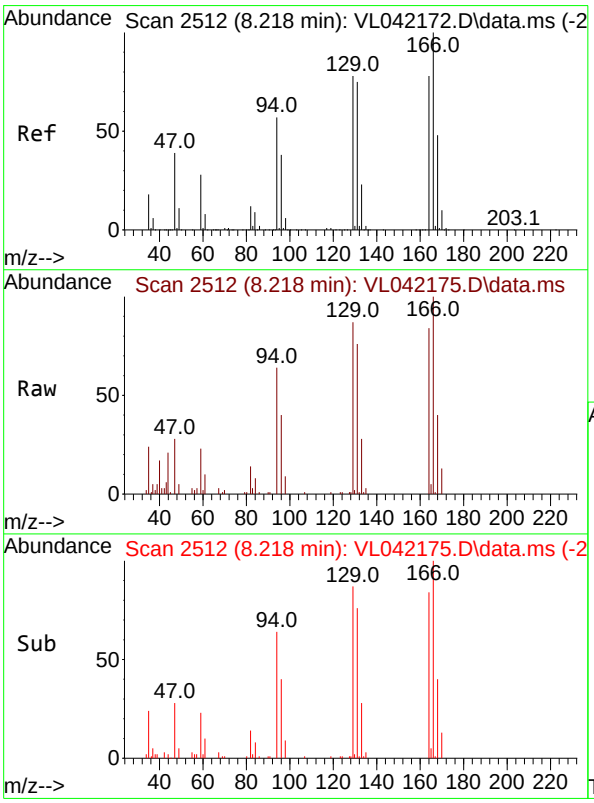
#51
2-Hexanone
Concen: 0.523 ppbv
RT: 7.438 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 26154

Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.7	59.5
98	0.0	0.1	0.1#

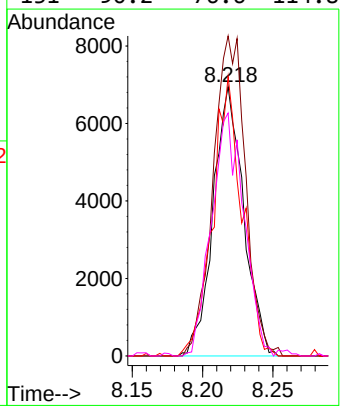


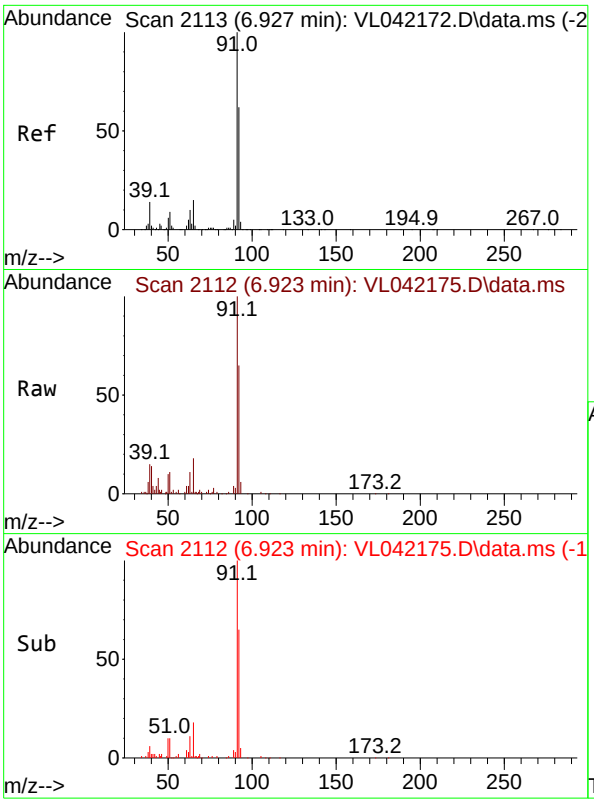


#52
Tetrachloroethene
Concen: 0.510 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:164 Resp: 10502

Ion	Ratio	Lower	Upper
164	100		
166	118.9	102.5	153.7
129	103.8	79.8	119.8
131	90.2	76.6	114.8



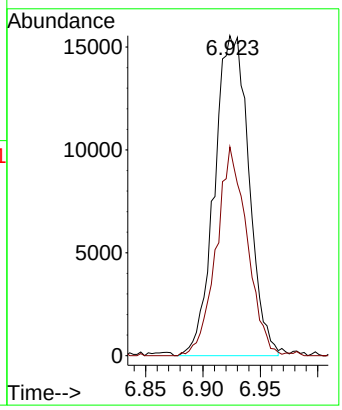


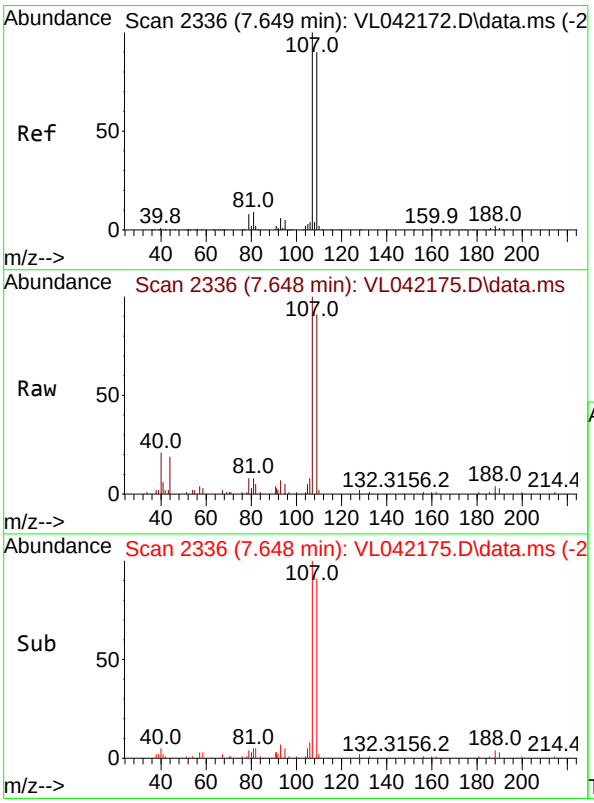
#53
Toluene
Concen: 0.527 ppbv
RT: 6.923 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 32444

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.4	72.6

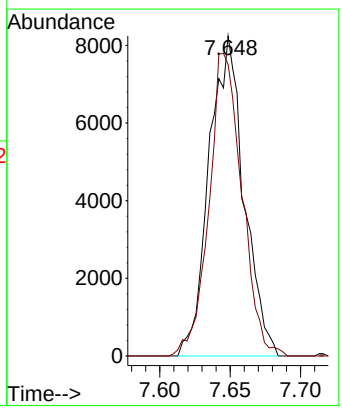


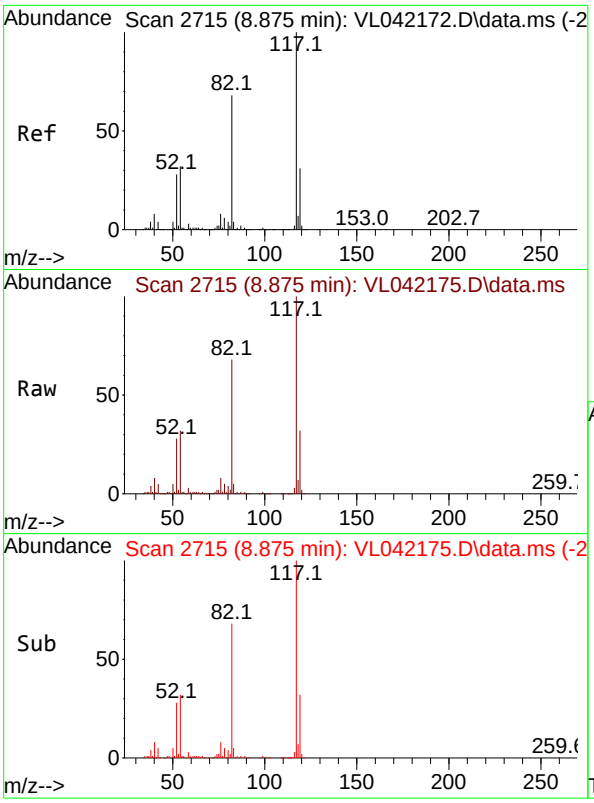


#54
1,2-Dibromoethane
Concen: 0.510 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:107 Resp: 14220

Ion	Ratio	Lower	Upper
107	100		
109	89.1	72.2	108.4



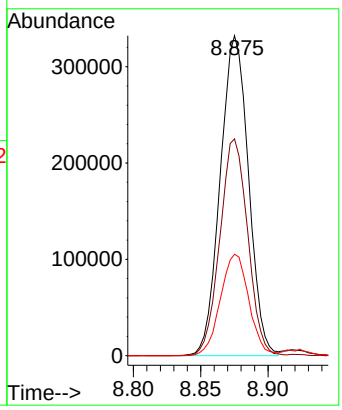


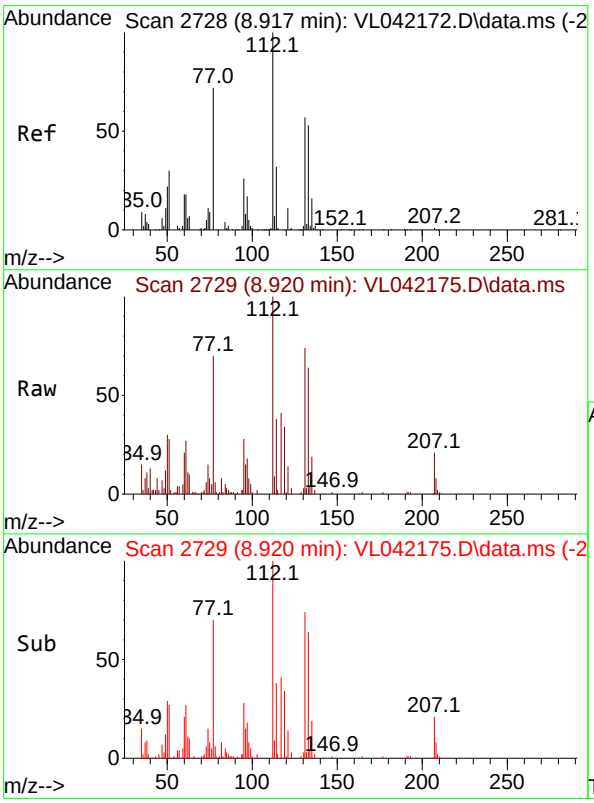
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 485078

Ion	Ratio	Lower	Upper
117	100		
82	67.0	55.8	83.6
119	33.7	25.5	38.3

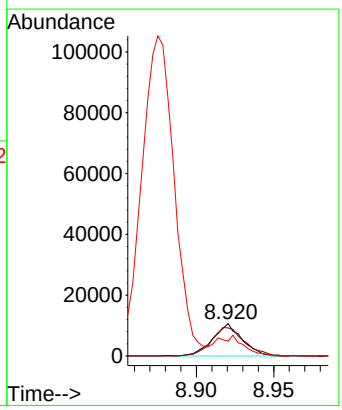


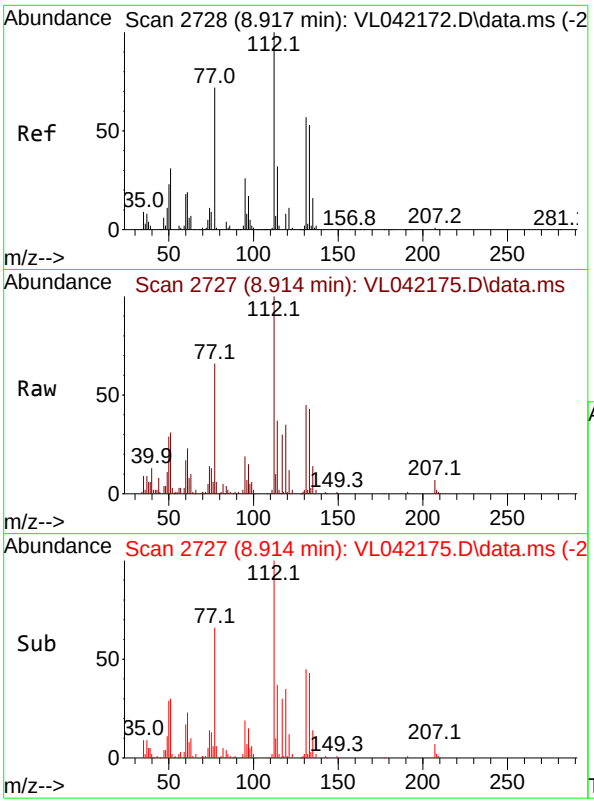


#56
1,1,1,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:131 Resp: 13959

Ion	Ratio	Lower	Upper
131	100		
133	99.6	76.6	114.8
119	1170.3	49.8	74.6#



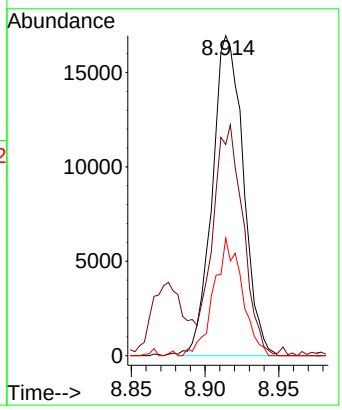


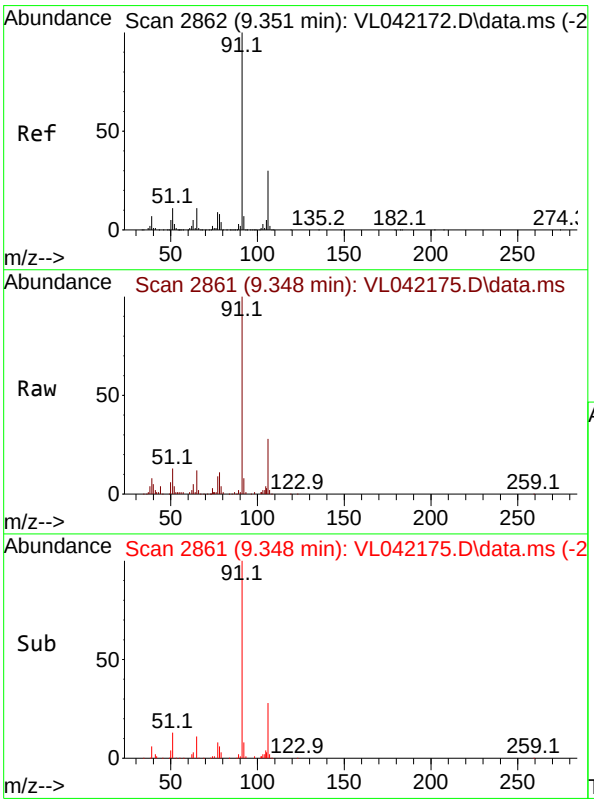
#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 8.914 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 24826

Ion	Ratio	Lower	Upper
112	100		
77	65.1	58.2	87.2
114	36.8	29.1	35.5#

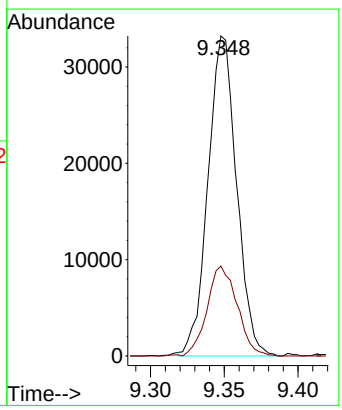


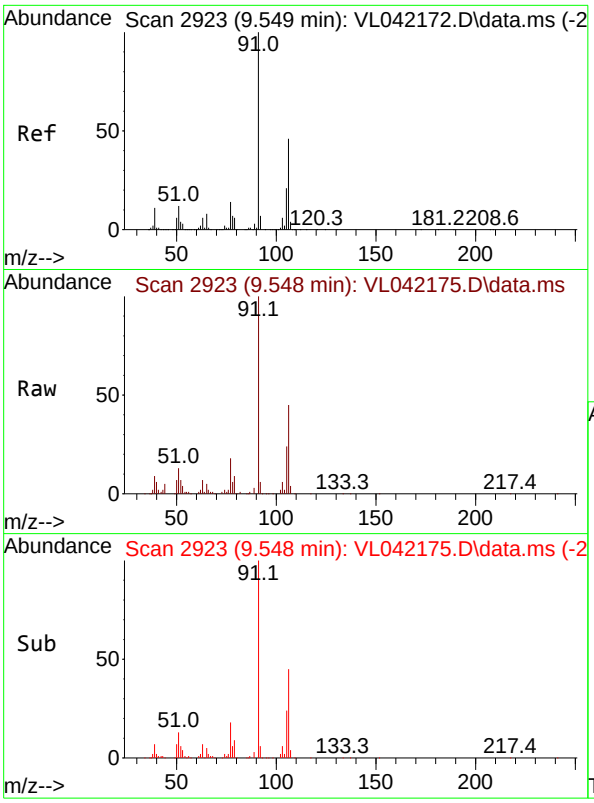


#58
Ethyl Benzene
Concen: 0.521 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 44862

Ion	Ratio	Lower	Upper
91	100		
106	28.1	24.2	36.2



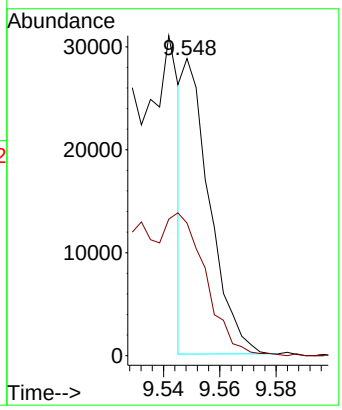


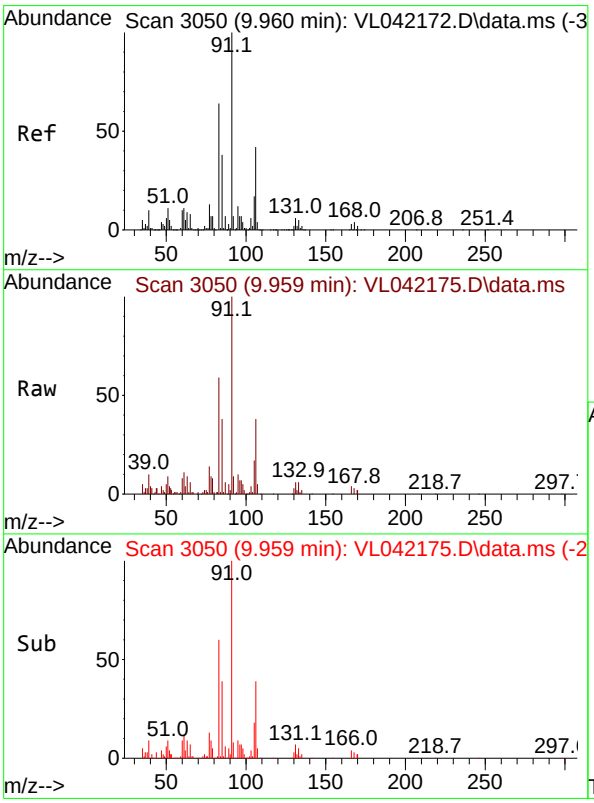
#59
m/p-Xylene
Concen: 0.272 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 18711

Ion	Ratio	Lower	Upper
91	100		
106	176.2	36.4	54.6#

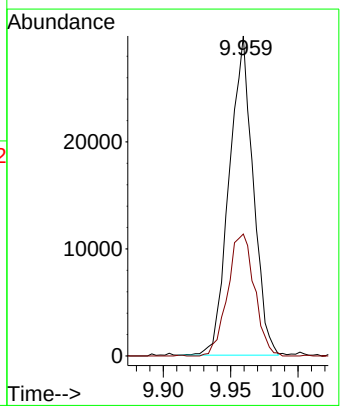


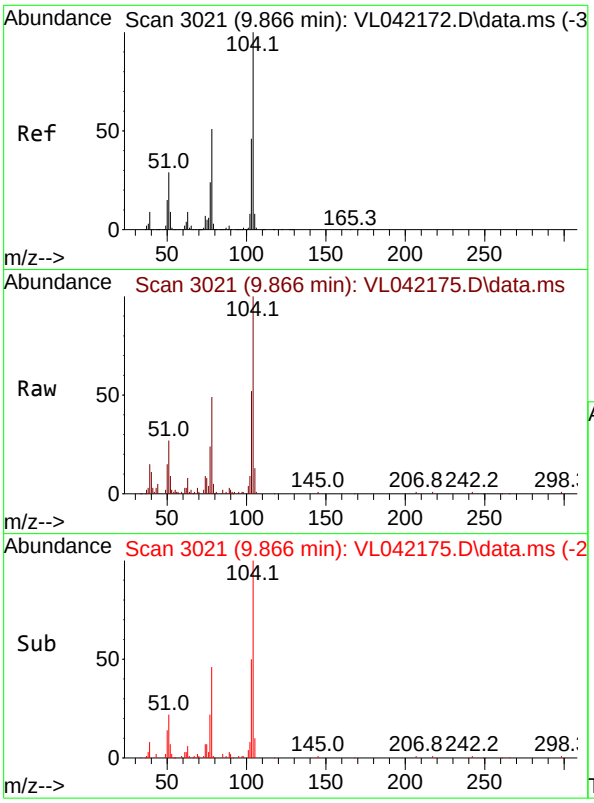


#60
o-Xylene
Concen: 0.535 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 36879

Ion	Ratio	Lower	Upper
91	100		
106	42.7	20.8	62.5



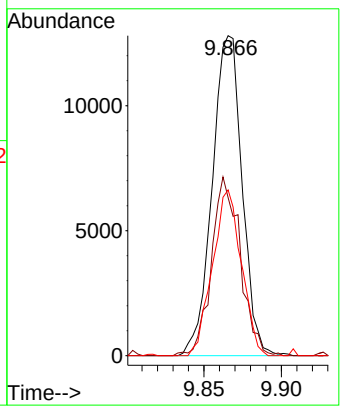


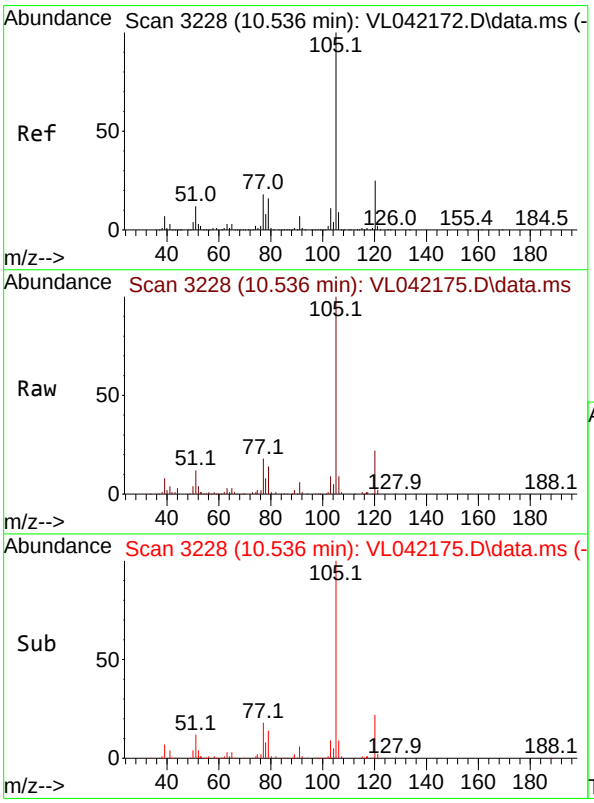
#61
Styrene
Concen: 0.504 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 17198

Ion	Ratio	Lower	Upper
104	100		
78	53.7	41.8	62.6
103	50.2	37.0	55.4

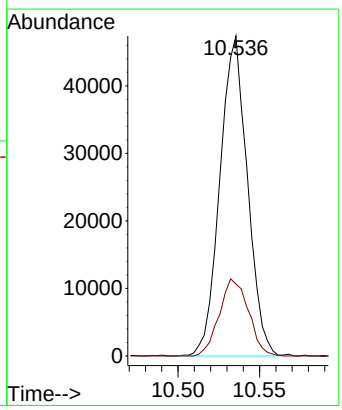


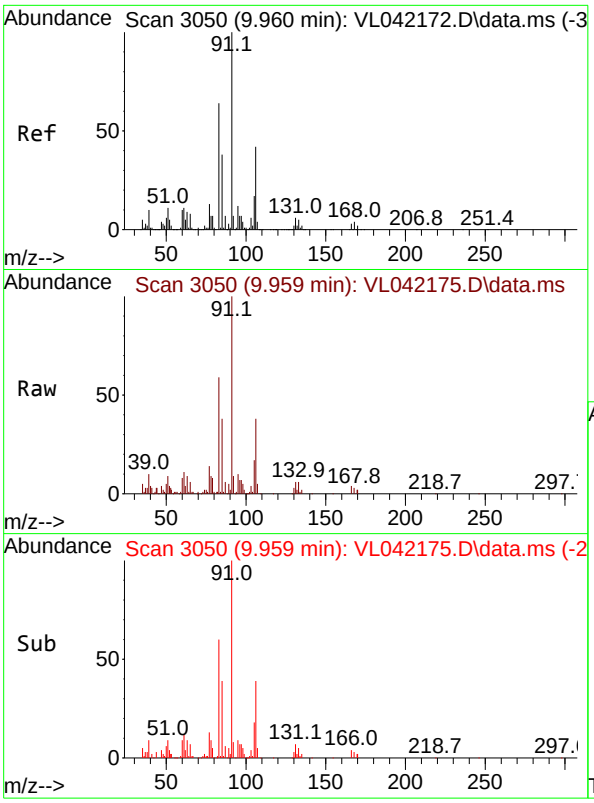


#62
Isopropylbenzene
Concen: 0.538 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 55531

Ion	Ratio	Lower	Upper
105	100		
120	25.5	19.9	29.9



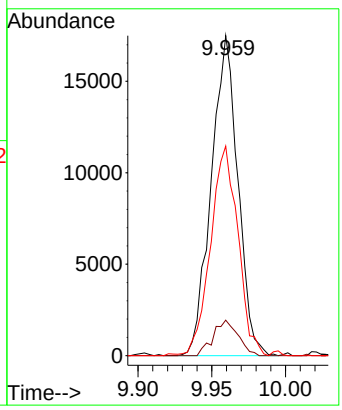


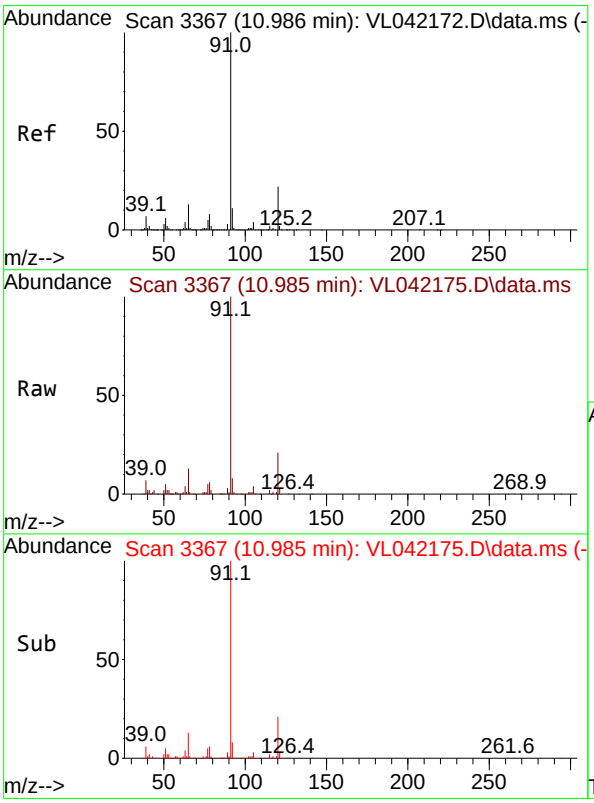
#63
1,1,2,2-Tetrachloroethane
Concen: 0.525 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 21989

Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	68.1	32.5	97.5

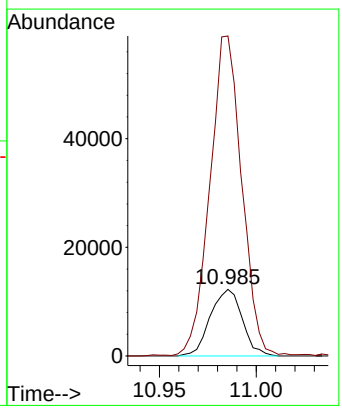


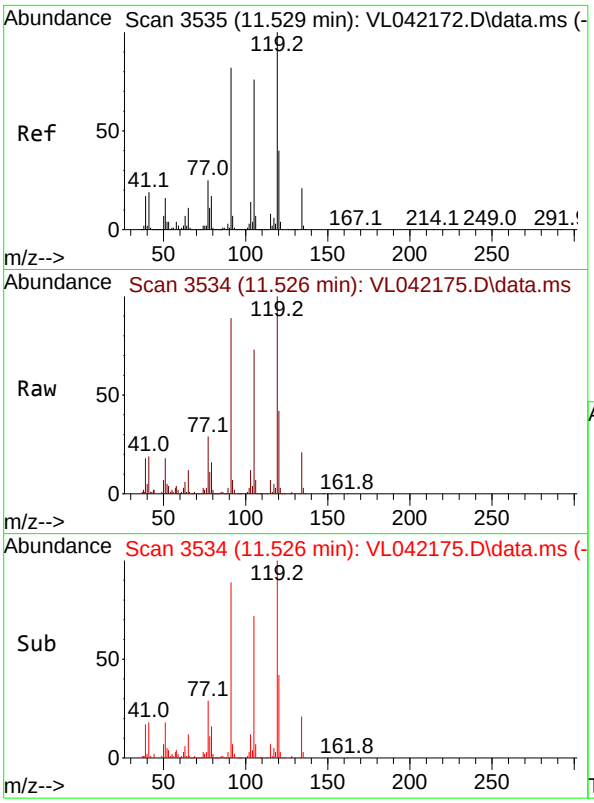


#64
n-propylbenzene
Concen: 0.528 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:120 Resp: 14030

Ion	Ratio	Lower	Upper
120	100		
91	483.1	376.9	565.3



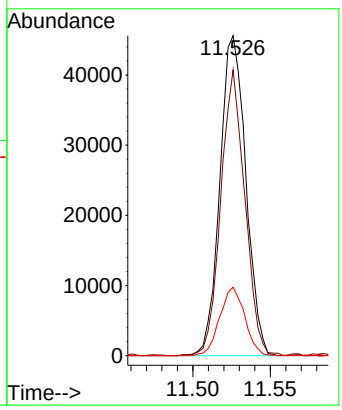


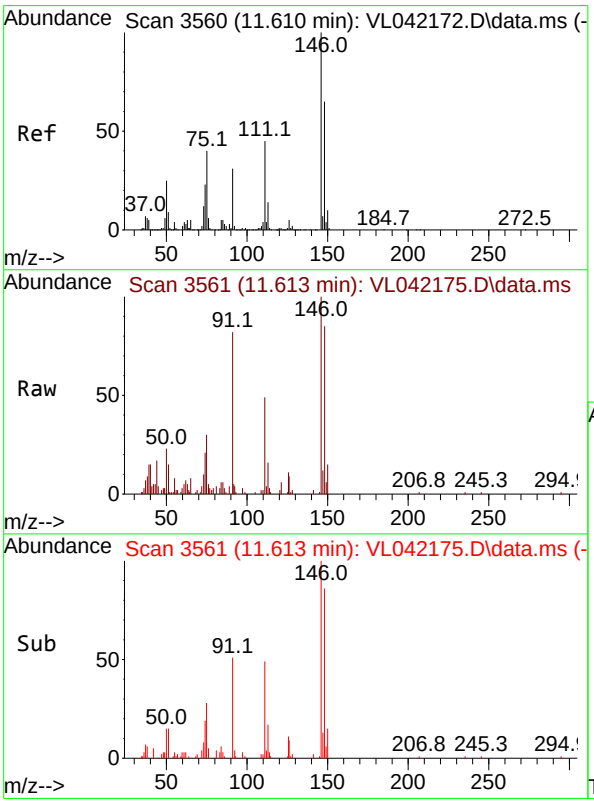
#65
tert-Butylbenzene
Concen: 0.557 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 53115

Ion	Ratio	Lower	Upper
119	100		
91	82.9	66.0	99.0
134	20.6	16.7	25.1

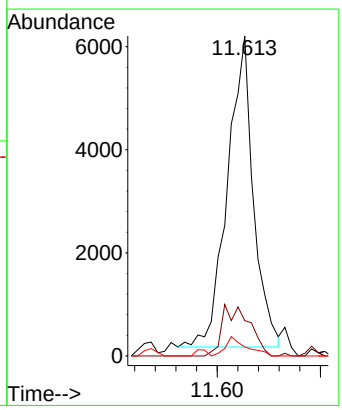


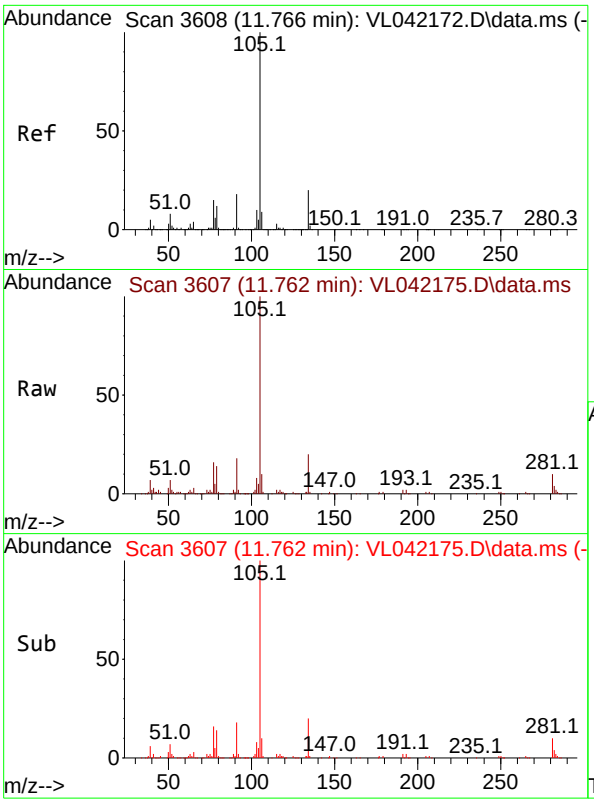


#66
Benzyl Chloride
Concen: 0.520 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 5263

Ion	Ratio	Lower	Upper
91	100		
126	18.7	13.8	20.6
128	5.8	4.5	6.7



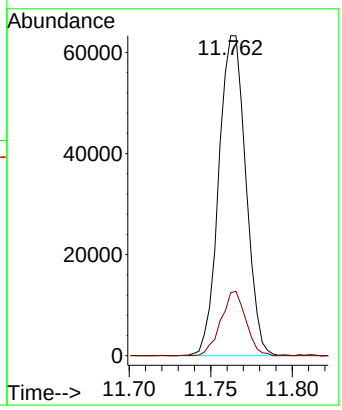


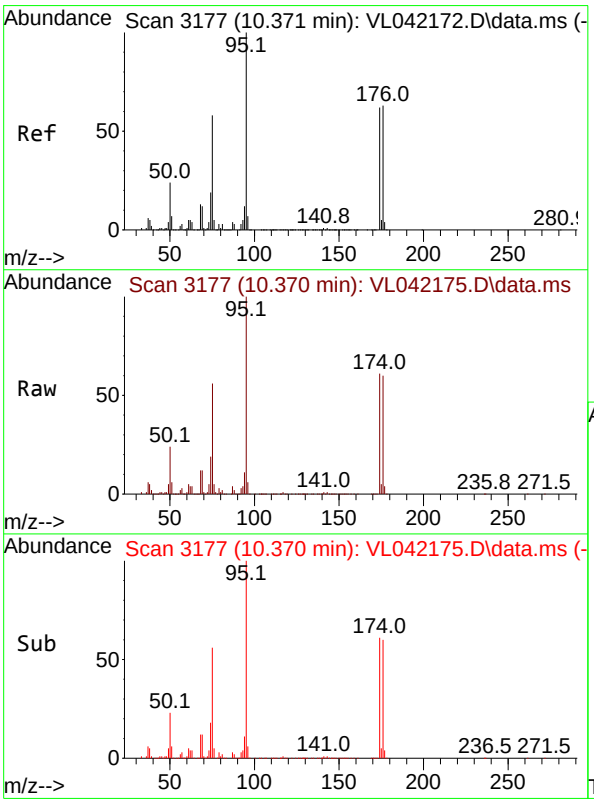
#67
sec-Butylbenzene
Concen: 0.550 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 72879

Ion	Ratio	Lower	Upper
105	100		
134	18.6	15.5	23.3

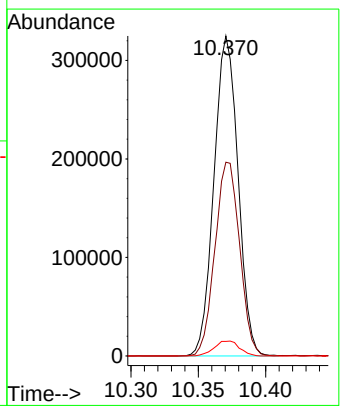


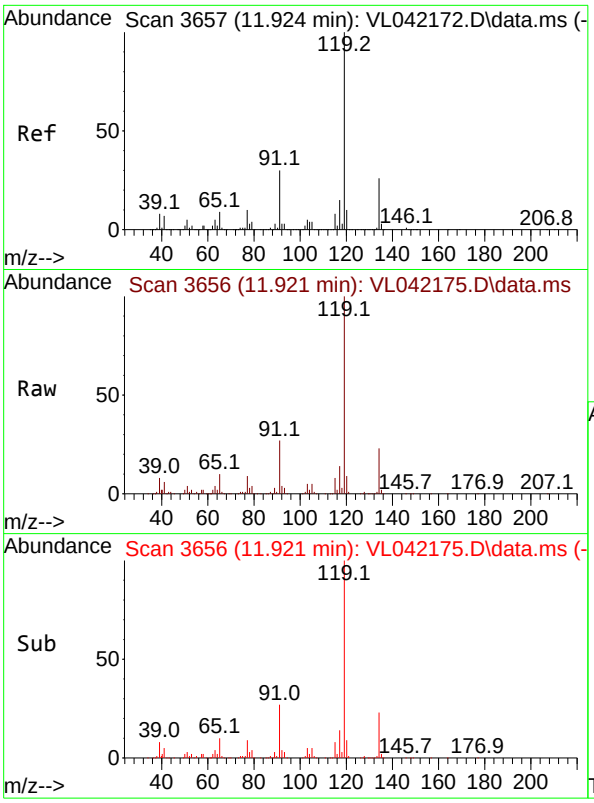


#68
1-Bromo-4-Fluorobenzene
Concen: 10.130 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 95 Resp: 403513

Ion	Ratio	Lower	Upper
95	100		
174	62.3	50.6	76.0
175	4.9	3.8	5.6



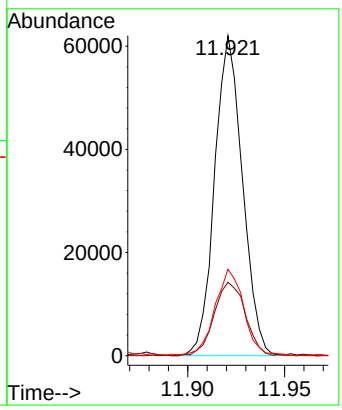


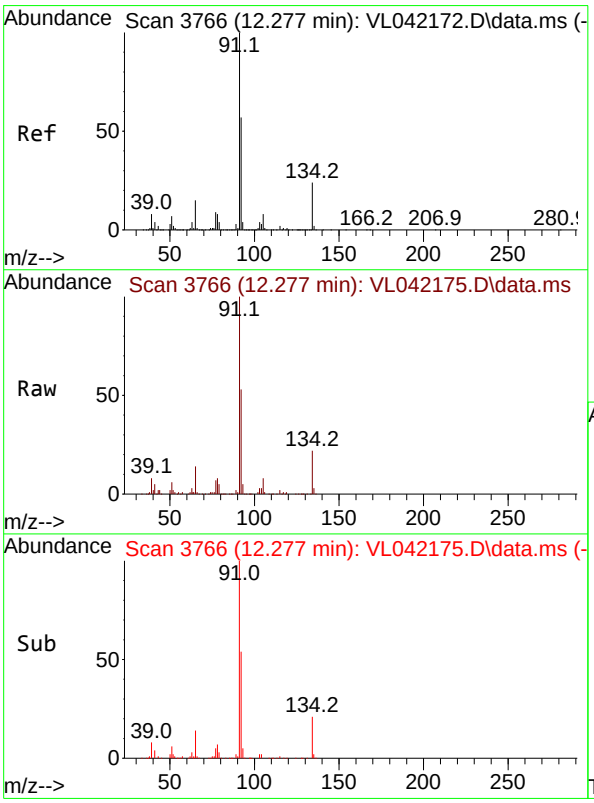
#69
p-Isopropyltoluene
Concen: 0.542 ppbv
RT: 11.921 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 61933

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	29.4	23.7	35.5

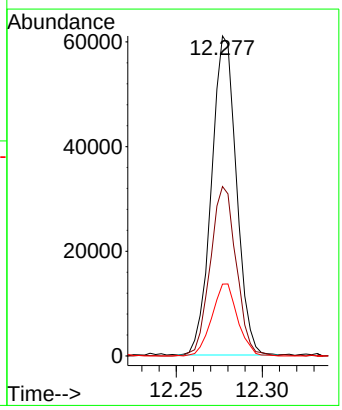


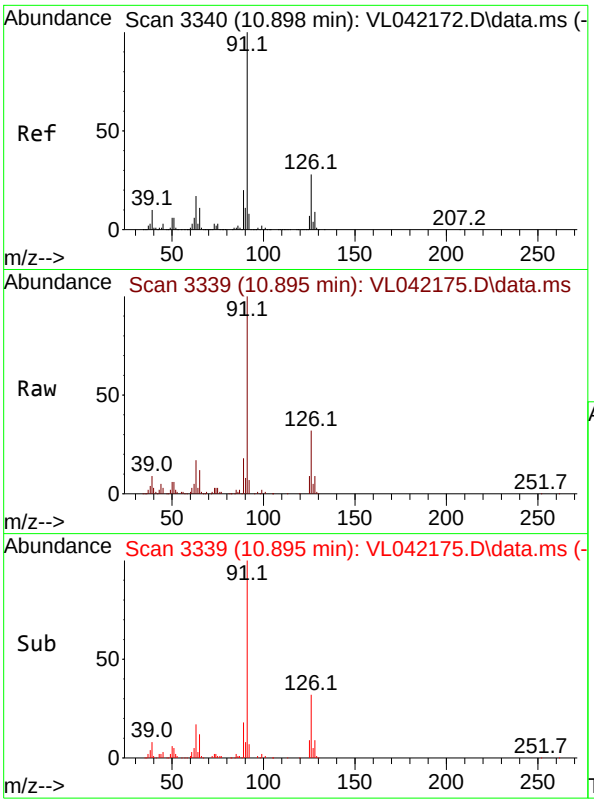


#70
n-Butylbenzene
Concen: 0.527 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 61507

Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.9	67.3
134	23.4	19.2	28.8



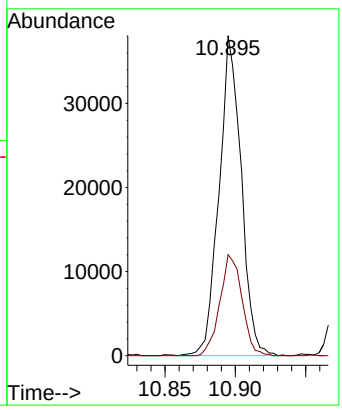


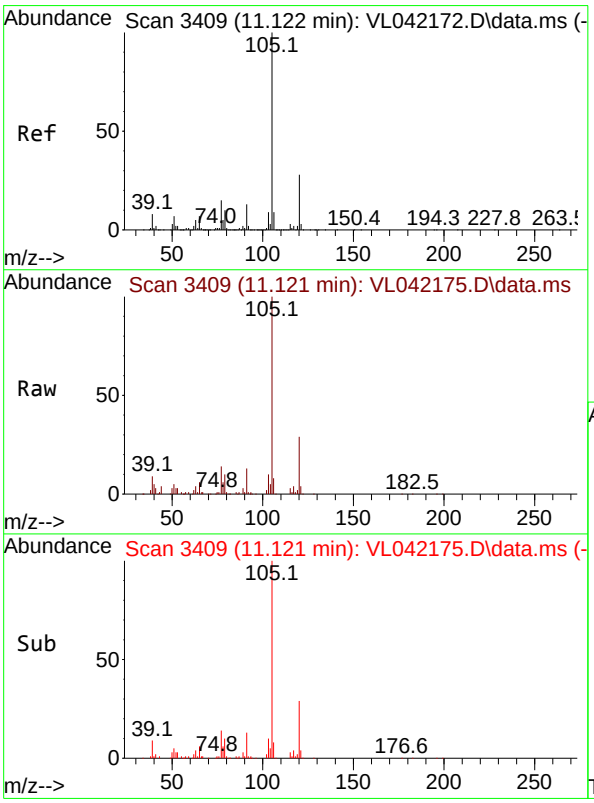
#71
2-Chlorotoluene
Concen: 0.520 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 41637

Ion	Ratio	Lower	Upper
91	100		
126	31.7	11.6	46.4

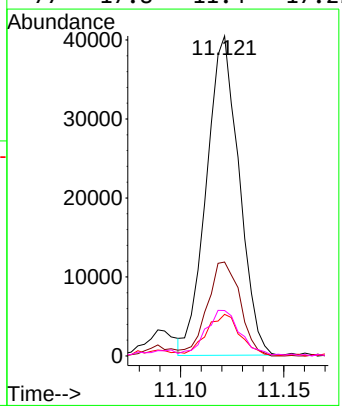


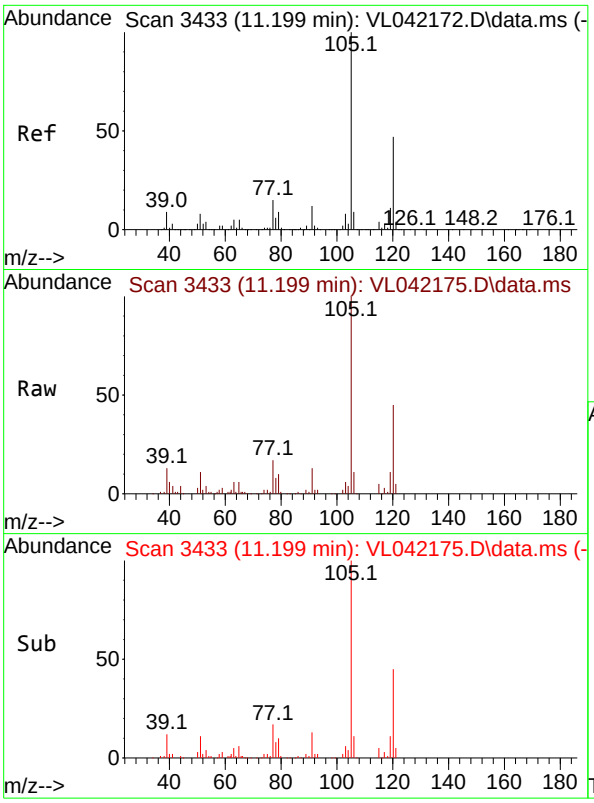


#72
4-Ethyltoluene
Concen: 0.518 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 44473

Ion	Ratio	Lower	Upper
105	100		
120	32.3	23.4	35.0
91	14.9	10.3	15.5
77	17.8	11.4	17.2#



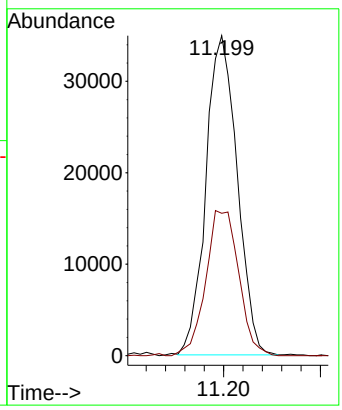


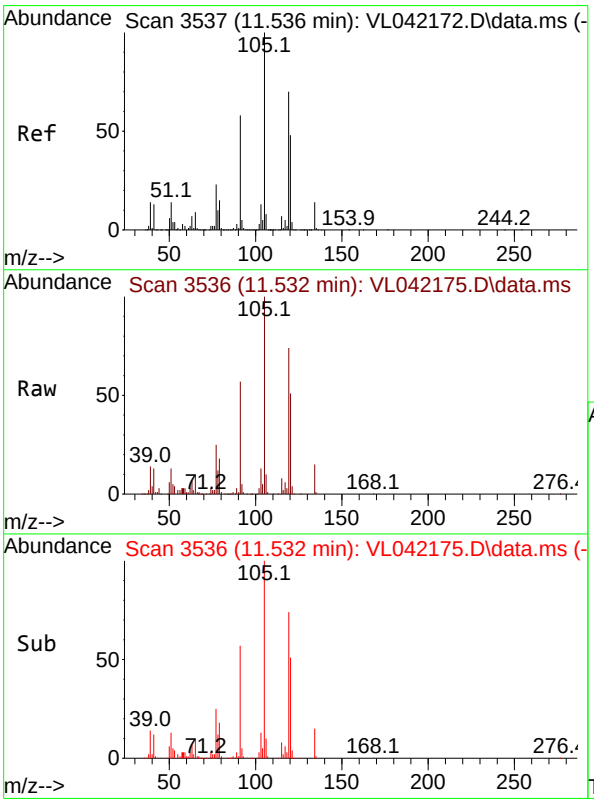
#73
1,3,5-Trimethylbenzene
Concen: 0.523 ppbv
RT: 11.199 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 39190

Ion	Ratio	Lower	Upper
105	100		
120	44.6	37.4	56.0

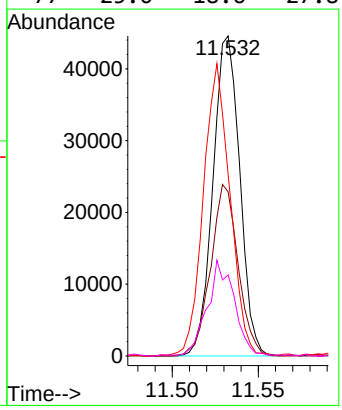


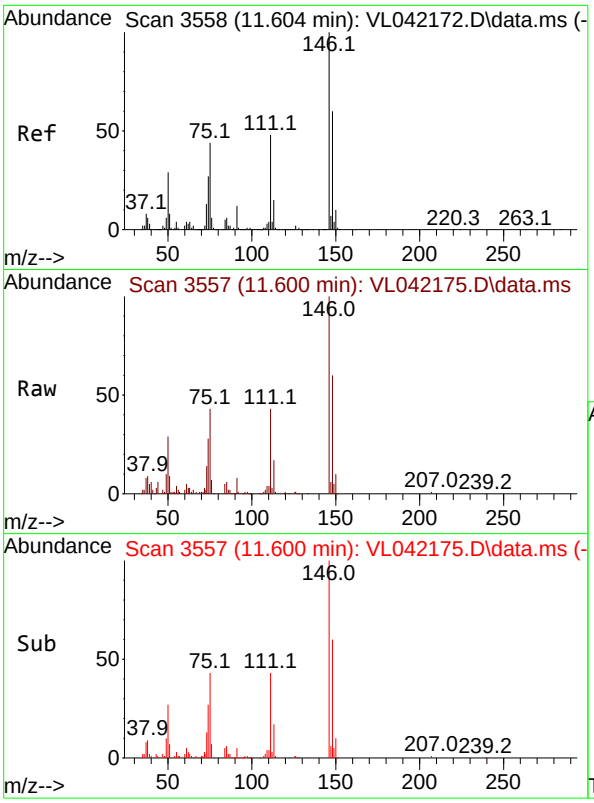


#74
1,2,4-Trimethylbenzene
Concen: 0.560 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 48370

Ion	Ratio	Lower	Upper
105	100		
120	51.3	38.6	58.0
91	56.5	46.2	69.2
77	25.0	18.6	27.8



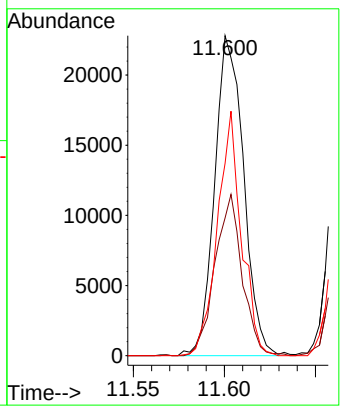


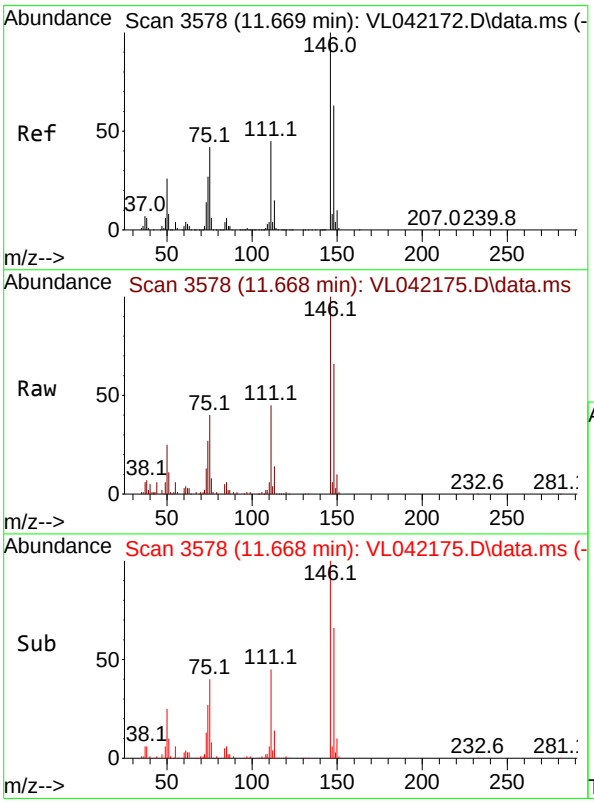
#75
1,3-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 25122

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.7	31.9	95.9

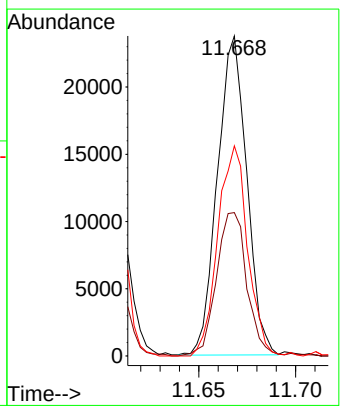


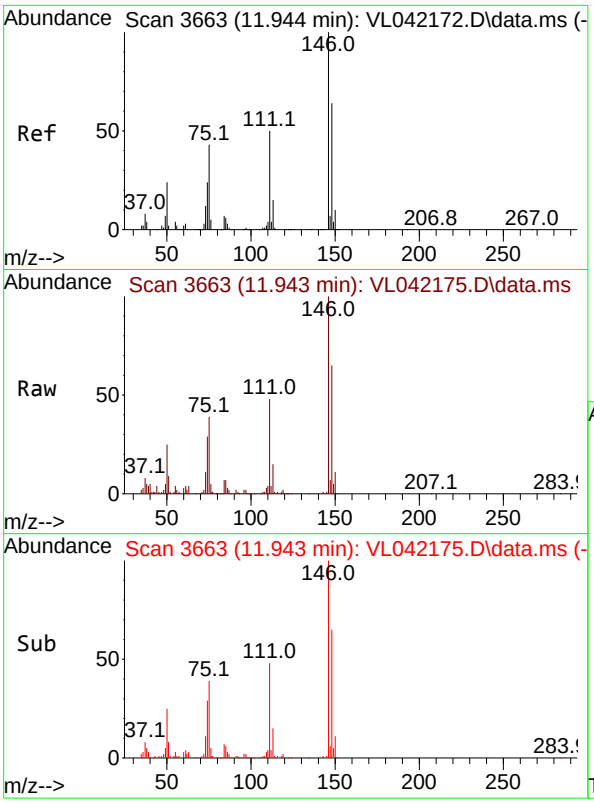


#76
1,4-Dichlorobenzene
Concen: 0.530 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:146 Resp: 24991

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.0	69.0
148	67.5	31.9	95.7



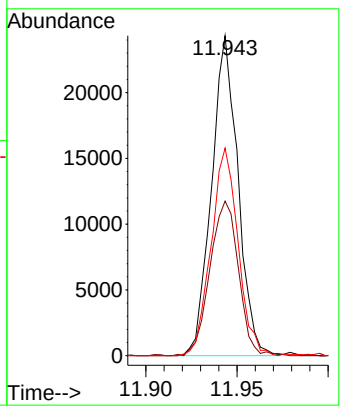


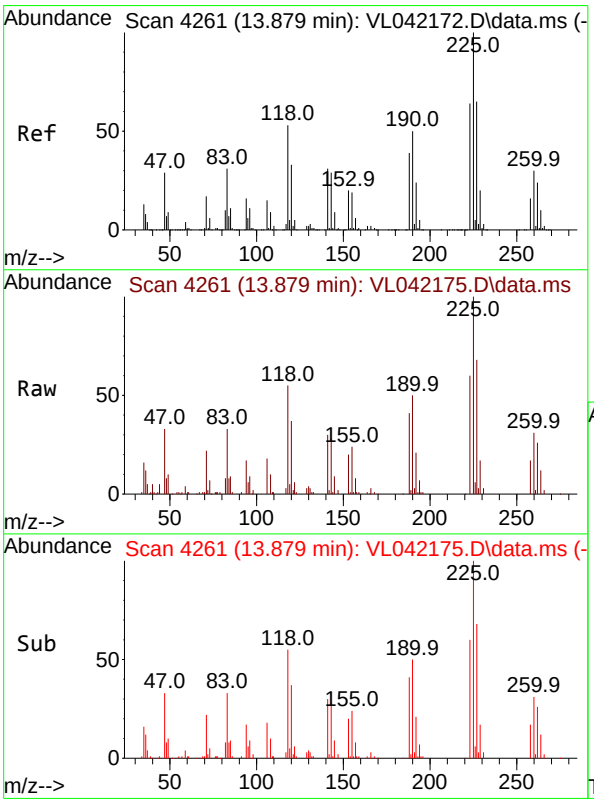
#77
1,2-Dichlorobenzene
Concen: 0.532 ppbv
RT: 11.943 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 24548

Ion	Ratio	Lower	Upper
146	100		
111	52.2	24.8	74.3
148	66.6	31.6	94.8

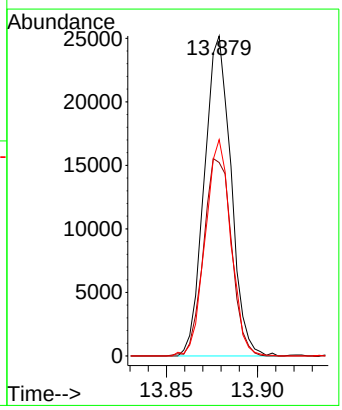


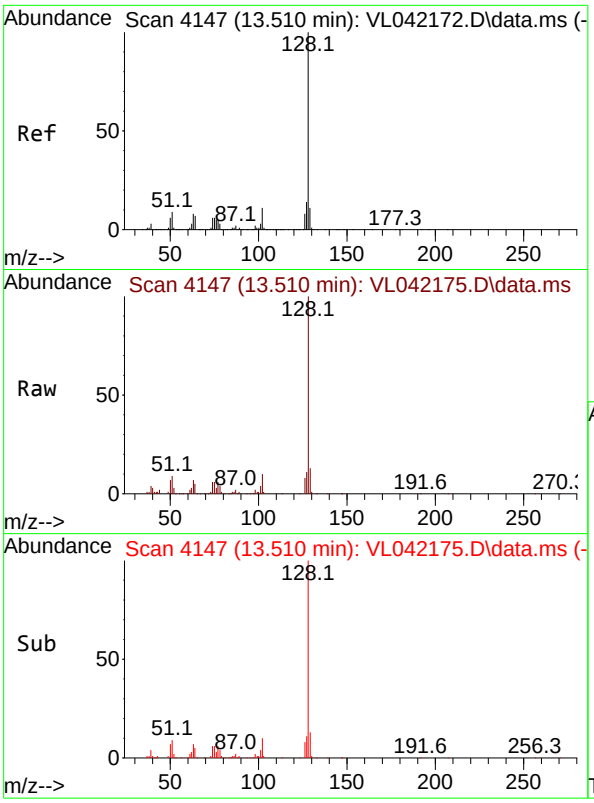


#78
Hexachloro-1,3-Butadiene
Concen: 0.546 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:225 Resp: 25636

Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.6	76.0
227	64.8	51.2	76.8



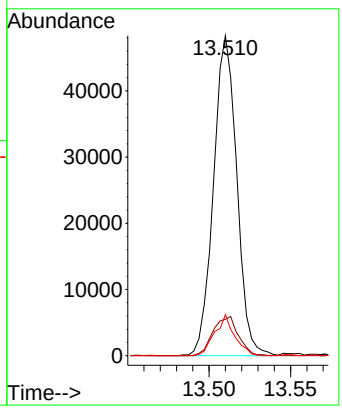


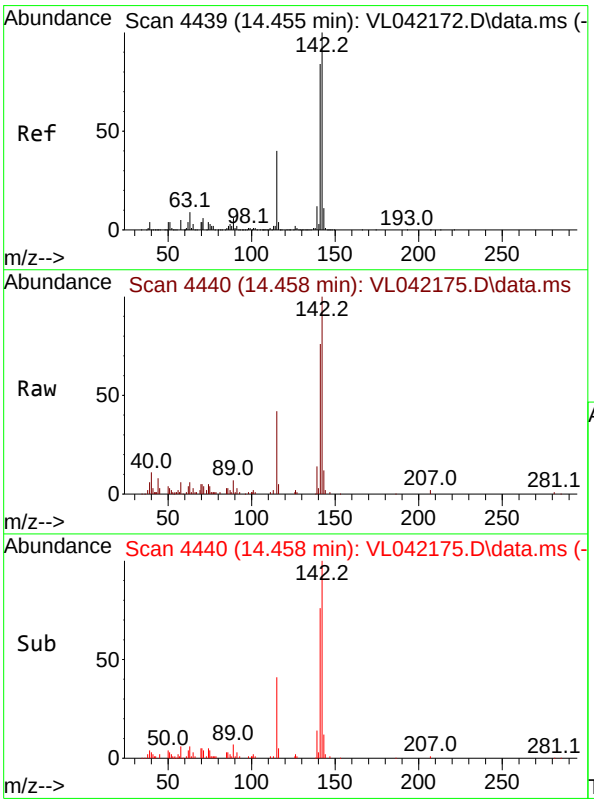
#79
Naphthalene
Concen: 0.508 ppbv
RT: 13.510 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 47990

Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.8	16.2
129	12.8	9.0	13.4

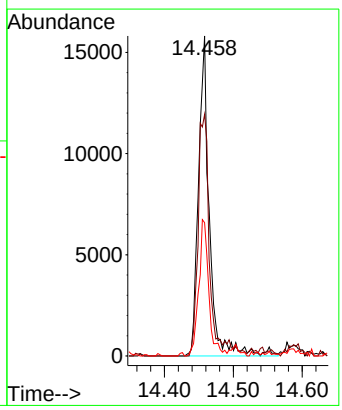


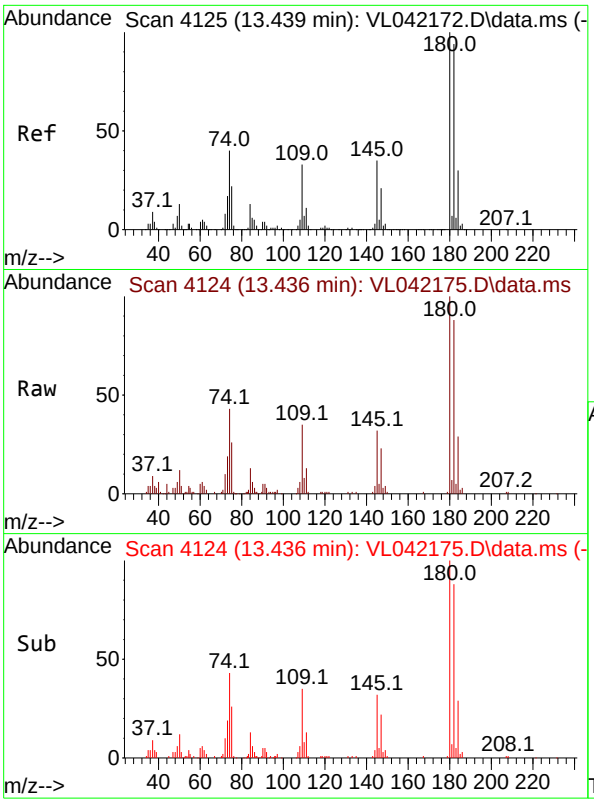


#80
Naphthalene,2-methyl-
Concen: 0.380 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:142 Resp: 17486

Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.3	99.5
115	43.5	31.6	47.4



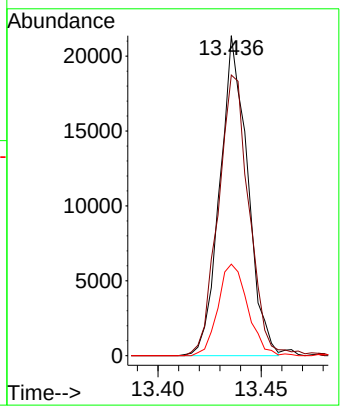


#81
1,2,4-Trichlorobenzene
Concen: 0.457 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 19924

Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.1	112.7
184	31.1	24.4	36.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	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
2) Dichlorodifluoromethane	1.554	85	2353	0.088	ppbv		100
3) Chlorodifluoromethane	1.476	51	3006	0.110	ppbv	#	40
4) Chloromethane	1.531	50	1330	0.122	ppbv	#	53
5) Vinyl Chloride	1.580	62	1274	0.115	ppbv	#	42
6) Bromomethane	1.667	94	537	0.109	ppbv	#	73
7) Chloroethane	1.703	64	616	0.141	ppbv	#	49
8) Dichlorotetrafluoroethane	1.554	85	2353	0.104	ppbv		92
9) Propene	1.486	41	1664	0.135	ppbv	#	44
11) Trichlorofluoromethane	1.878	101	2644	0.102	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.136	101	2551	0.120	ppbv	#	81
13) Ethanol	1.716	45	721	0.750	ppbv		60
14) Bromoethene	1.780	108	956	0.117	ppbv	#	11
15) Acetone	1.835	43	5179	0.205	ppbv		92
16) 1,3-Butadiene	1.609	39	1912	0.168	ppbv		94
17) tert-Butyl alcohol	2.046	59	3546	0.113	ppbv	#	30
18) 1,1-Dichloroethene	2.033	96	1155	0.116	ppbv	#	72
19) Isopropyl Alcohol	1.891	45	1838	0.129	ppbv	#	49
20) Methylene Chloride	2.059	84	2388	0.254	ppbv	#	88
21) Allyl Chloride	2.091	41	3040	0.171	ppbv	#	77
22) trans-1,2-Dichloroethene	2.722	96	1512	0.130	ppbv		99
23) Vinyl Acetate	2.457	43	1746	0.166	ppbv	#	1
24) 1,1-Dichloroethane	2.408	63	2446	0.114	ppbv	#	92
25) Ethyl Acetate	2.842	43	6359	0.097	ppbv	#	80
26) Hexane	2.823	57	3126	0.123	ppbv	#	5
27) Carbon Disulfide	2.149	76	3075	0.113	ppbv	#	1
28) Methyl tert-Butyl Ether	2.438	73	875	0.055	ppbv	#	49
29) Chloroform	2.845	83	4120	0.111	ppbv		92
30) Cyclohexane	3.855	84	1113	0.051	ppbv	#	1
31) cis-1,2-Dichloroethene	2.722	61	2587	0.101	ppbv		95
32) 1,1,1-Trichloroethane	3.366	97	2773	0.065	ppbv	#	50
34) 2-Butanone	2.564	43	4331	0.113	ppbv		91
35) Carbon Tetrachloride	3.768	117	3523	0.087	ppbv	#	71
36) Benzene	3.658	78	5031	0.096	ppbv	#	82
37) 1,2-Dichloroethane	3.218	62	2942	0.098	ppbv		97
39) 1,2-Dichloropropane	3.959	63	135792	7.123	ppbv	#	22
40) 1,4-Dioxane	4.616	88	843	0.085	ppbv	#	25
42) Bromodichloromethane	4.490	83	4103	0.099	ppbv	#	94
43) Methyl Methacrylate	4.878	69	930	0.042	ppbv	#	1
45) t-1,3-Dichloropropene	6.419	75	1449	0.061	ppbv	#	64
48) Dibromochloromethane	7.383	129	2284	0.067	ppbv		68
49) Bromoform	9.480	173	2928	0.095	ppbv		94
51) 2-Hexanone	7.448	43	4284	0.085	ppbv	#	87
53) Toluene	6.930	91	3144	0.051	ppbv	#	25

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54)	1,2-Dibromoethane	7.652	107	1864	0.066	ppbv		98
56)	1,1,1,2-Tetrachloroethane	8.924	131	2963	0.112	ppbv	#	1
57)	Chlorobenzene	8.917	112	4904	0.107	ppbv	#	74
58)	Ethyl Benzene	9.354	91	8648	0.101	ppbv		93
59)	m/p-Xylene	9.545	91	6005	0.088	ppbv	#	12
60)	o-Xylene	9.959	91	8048	0.118	ppbv		96
61)	Styrene	9.872	104	1723	0.051	ppbv	#	25
62)	Isopropylbenzene	10.536	105	10359	0.101	ppbv		97
63)	1,1,2,2-Tetrachloroethane	9.959	83	1910	0.046	ppbv	#	25
64)	n-propylbenzene	10.989	120	2375	0.090	ppbv	#	62
65)	tert-Butylbenzene	11.526	119	9418	0.099	ppbv		94
66)	Benzyl Chloride	11.617	91	844	0.084	ppbv	#	86
67)	sec-Butylbenzene	11.765	105	13775	0.105	ppbv		96
69)	p-Isopropyltoluene	11.924	119	11366	0.100	ppbv		98
70)	n-Butylbenzene	12.280	91	10697	0.092	ppbv		97
71)	2-Chlorotoluene	10.898	91	8347	0.105	ppbv		98
72)	4-Ethyltoluene	11.125	105	8579	0.101	ppbv	#	84
73)	1,3,5-Trimethylbenzene	11.202	105	8407	0.113	ppbv		91
74)	1,2,4-Trimethylbenzene	11.536	105	10341	0.121	ppbv	#	95
75)	1,3-Dichlorobenzene	11.604	146	4426	0.094	ppbv		94
76)	1,4-Dichlorobenzene	11.672	146	4552	0.097	ppbv		95
77)	1,2-Dichlorobenzene	11.947	146	4867	0.106	ppbv		93
78)	Hexachloro-1,3-Butadiene	13.882	225	4755	0.102	ppbv		94
79)	Naphthalene	13.513	128	7882	0.084	ppbv	#	92
80)	Naphthalene,2-methyl-	14.471	142	2174	0.048	ppbv	#	78
81)	1,2,4-Trichlorobenzene	13.442	180	2557	0.059	ppbv		98

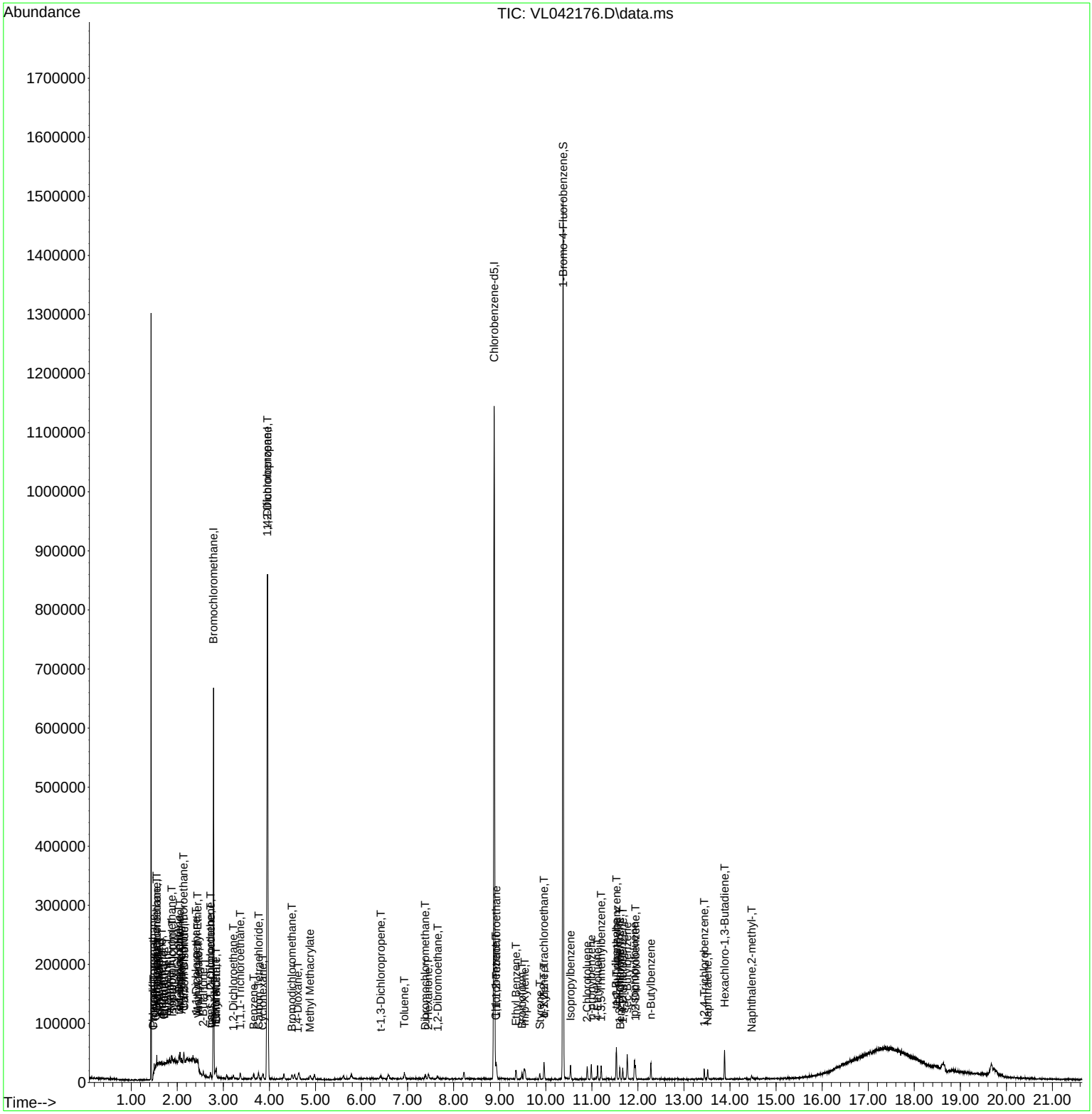
(#) = qualifier out of range (m) = manual integration (+) = signals summed

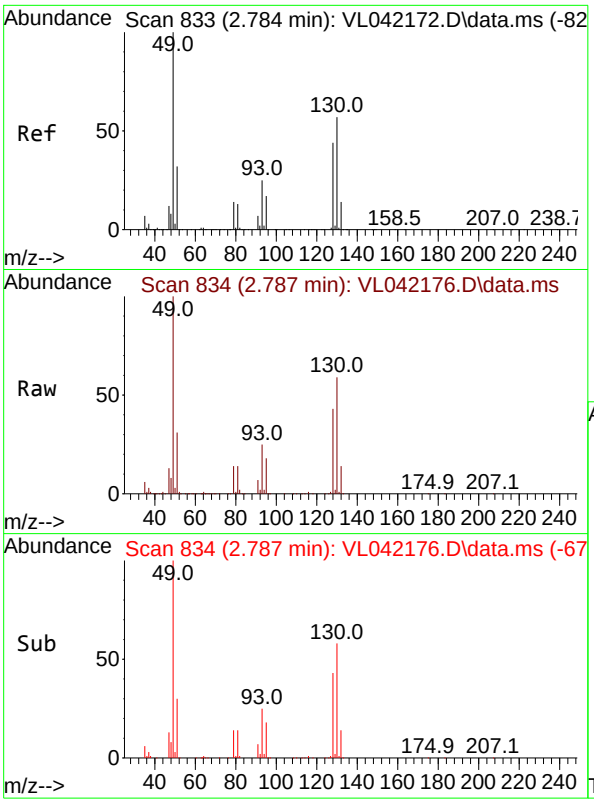
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration



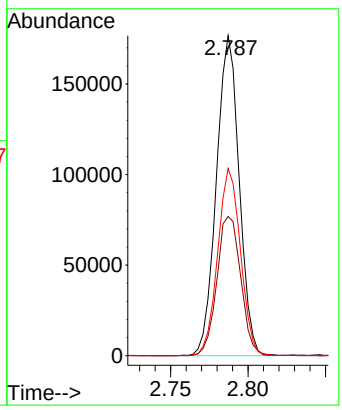


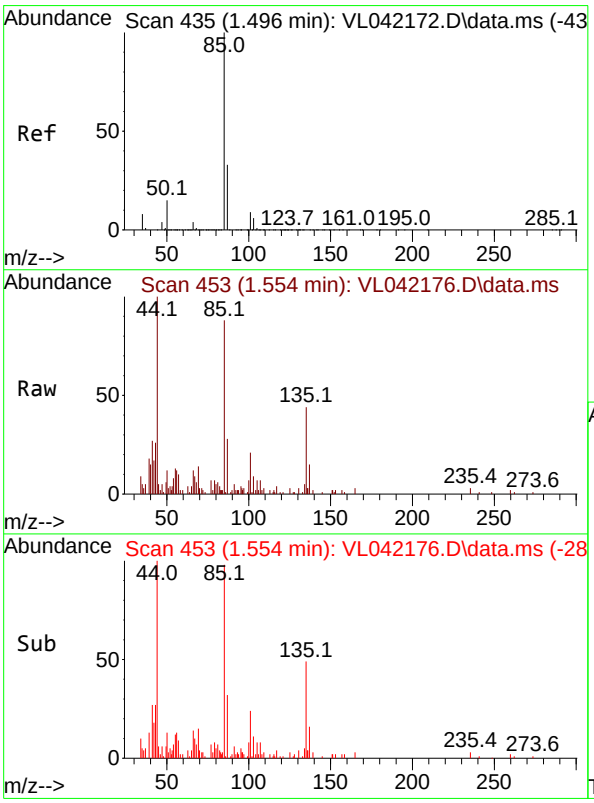
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 180740

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.9	68.5
130	58.5	28.8	86.4

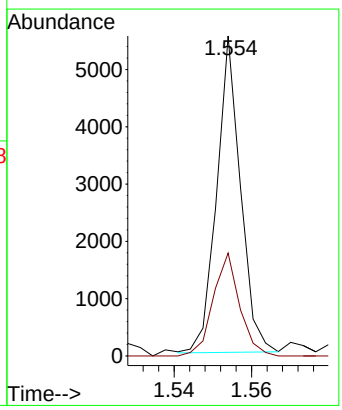


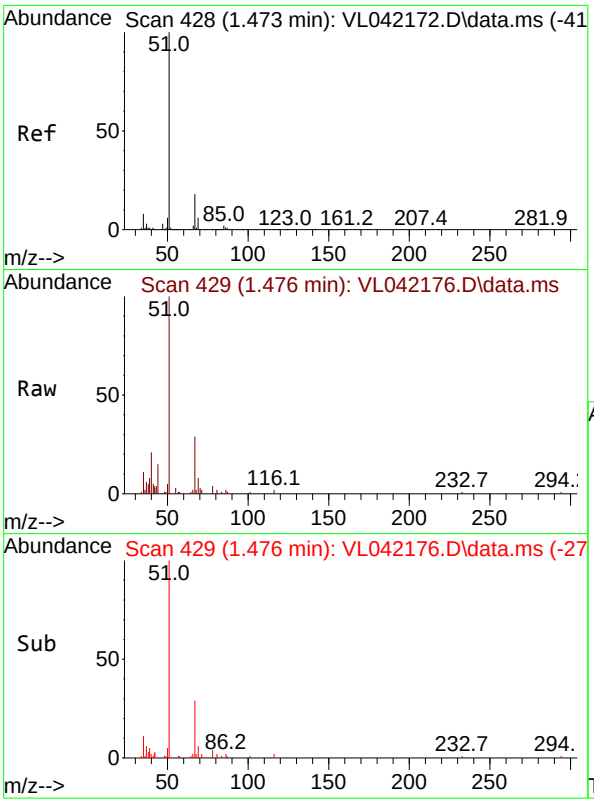


#2
Dichlorodifluoromethane
Concen: 0.088 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.058 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 85 Resp: 2353

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.1	39.1



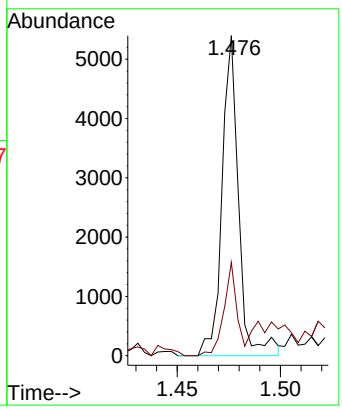


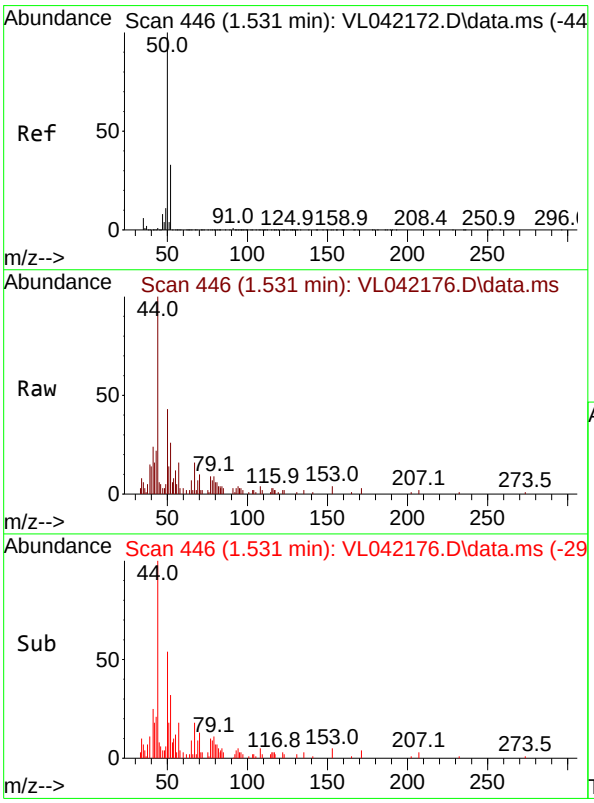
#3
Chlorodifluoromethane
Concen: 0.110 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 3006

Ion	Ratio	Lower	Upper
51	100		
67	45.8	15.0	22.6#

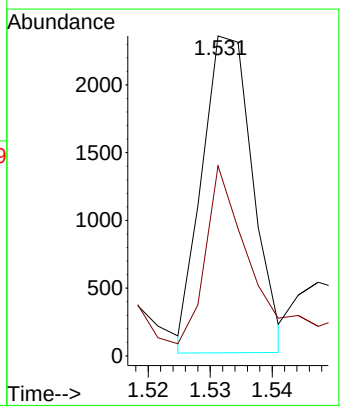


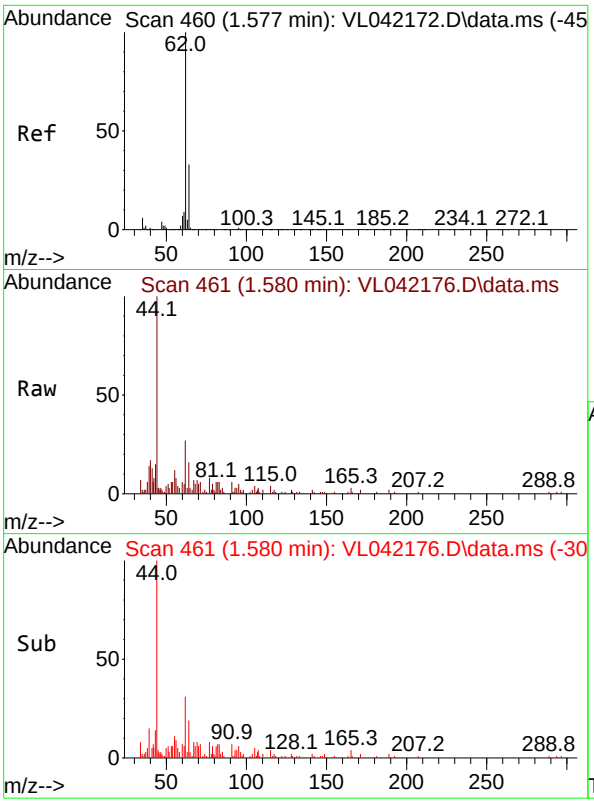


#4
Chloromethane
Concen: 0.122 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 50 Resp: 1330

Ion	Ratio	Lower	Upper
50	100		
52	59.3	26.1	39.1#



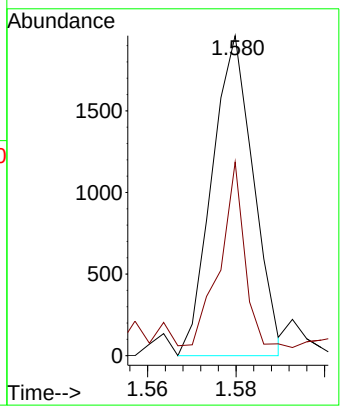


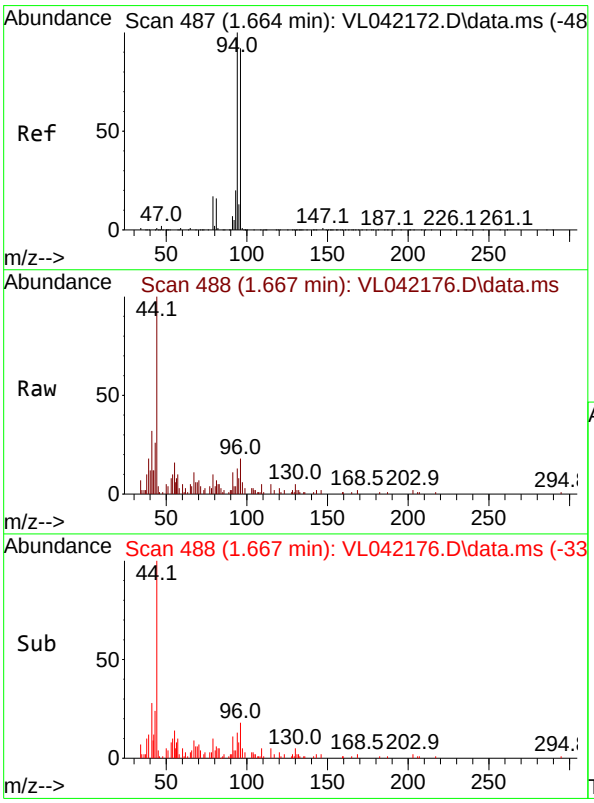
#5
Vinyl Chloride
Concen: 0.115 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 1274

Ion	Ratio	Lower	Upper
62	100		
64	66.4	26.6	40.0#

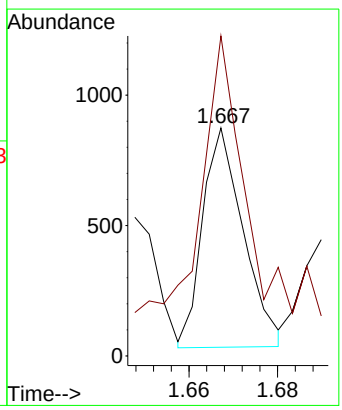


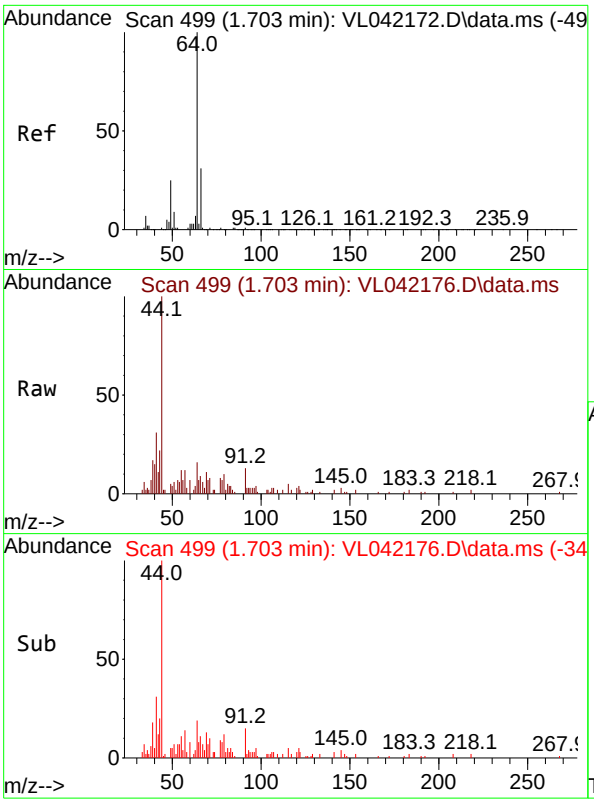


#6
Bromomethane
Concen: 0.109 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 94 Resp: 537

Ion	Ratio	Lower	Upper
94	100		
96	116.6	73.1	109.7#



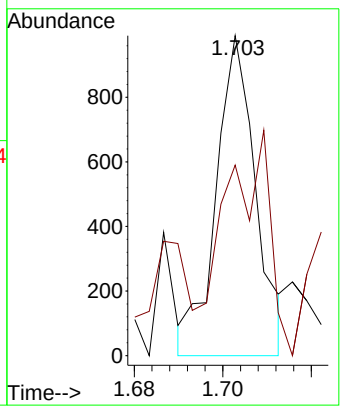


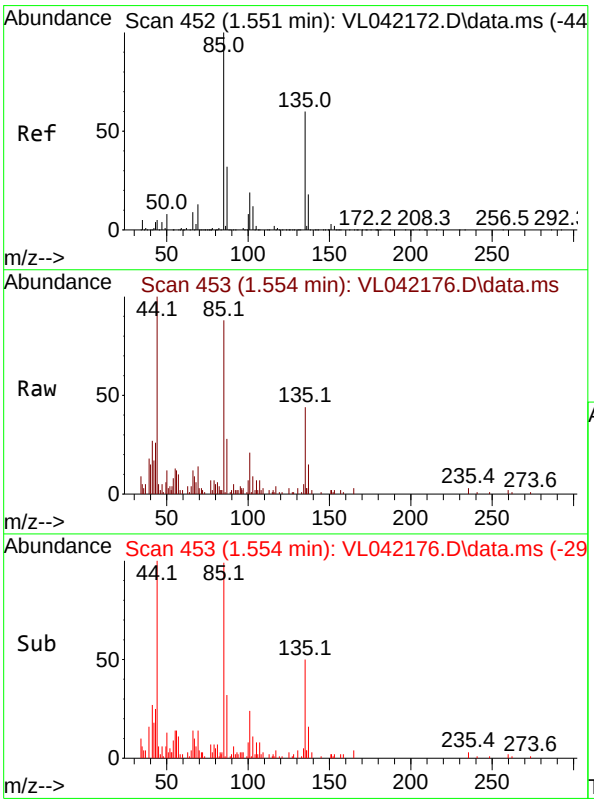
#7
Chloroethane
Concen: 0.141 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 616

Ion	Ratio	Lower	Upper
64	100		
66	59.5	25.2	37.8#

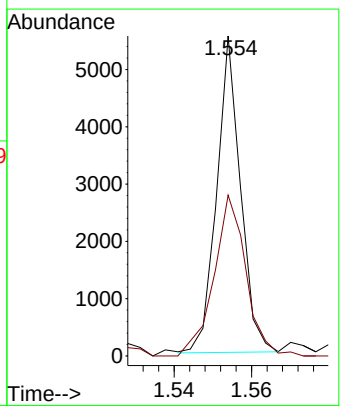


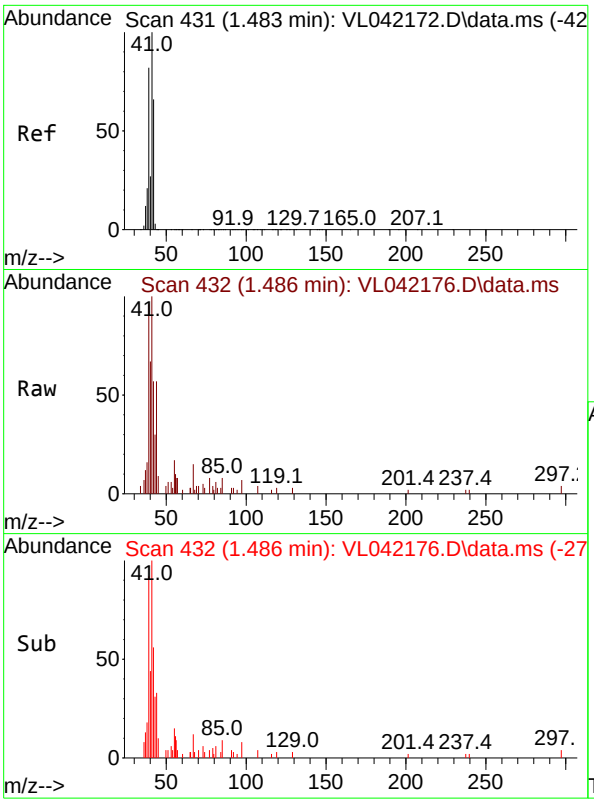


#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 85 Resp: 2353

Ion	Ratio	Lower	Upper
85	100		
135	71.7	52.4	78.6



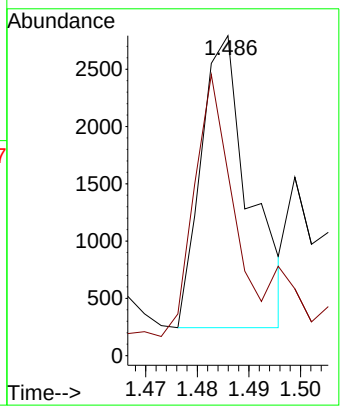


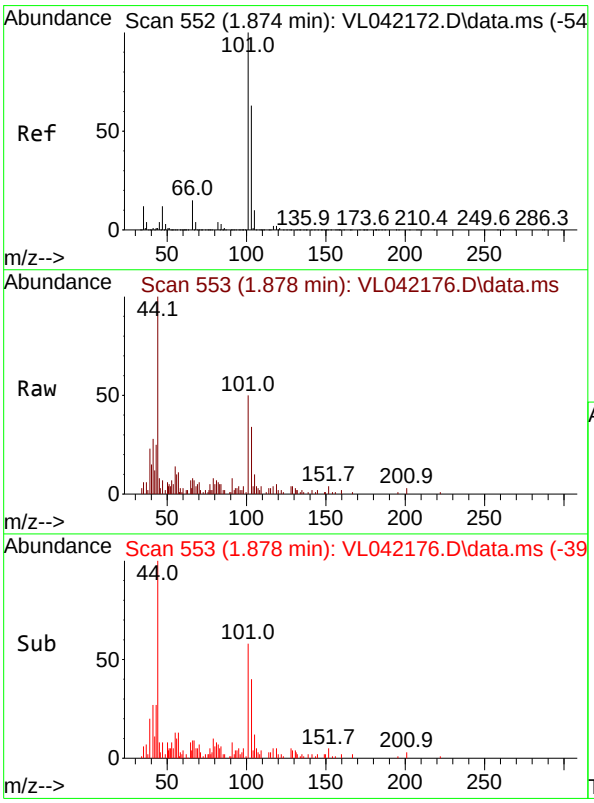
#9
Propene
Concen: 0.135 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1664

Ion	Ratio	Lower	Upper
41	100		
42	115.3	55.4	83.2#

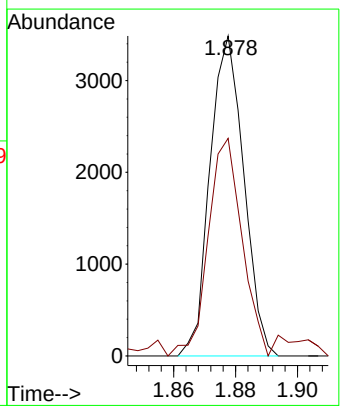


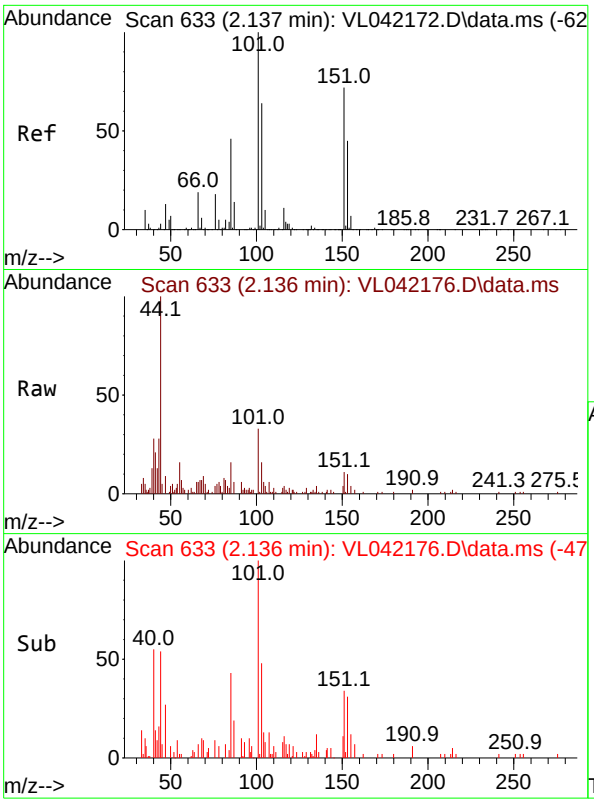


#11
Trichlorofluoromethane
Concen: 0.102 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:101 Resp: 2644

Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.2	75.2



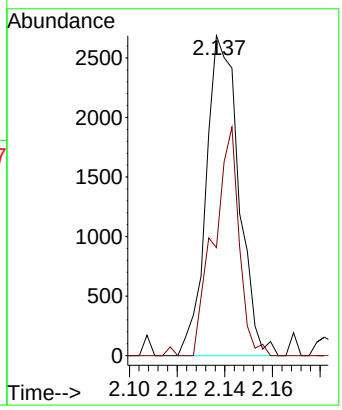


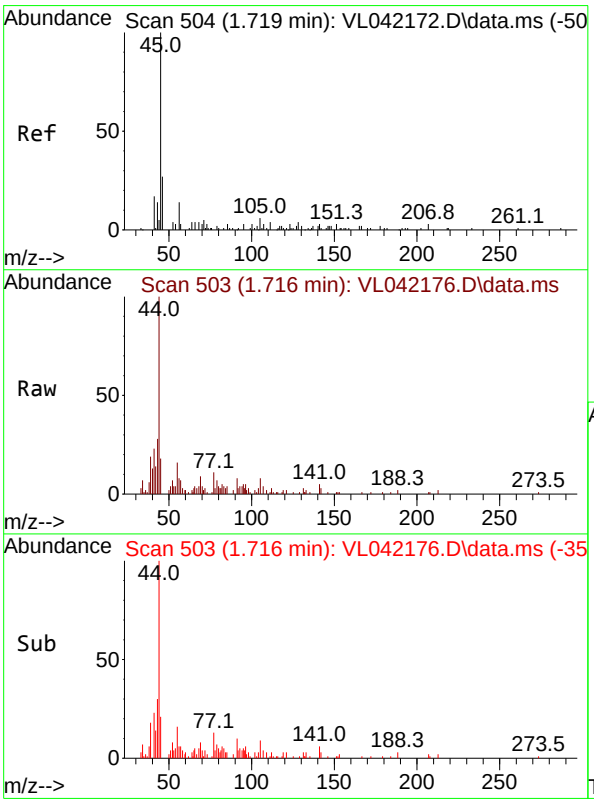
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.120 ppbv
RT: 2.136 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 2551

Ion	Ratio	Lower	Upper
101	100		
151	55.7	57.1	85.7#

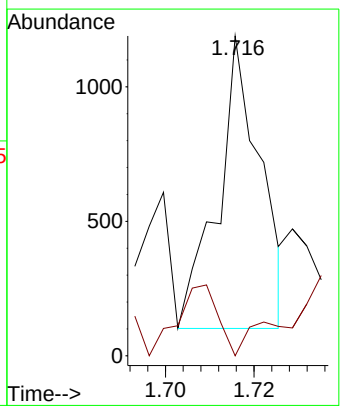


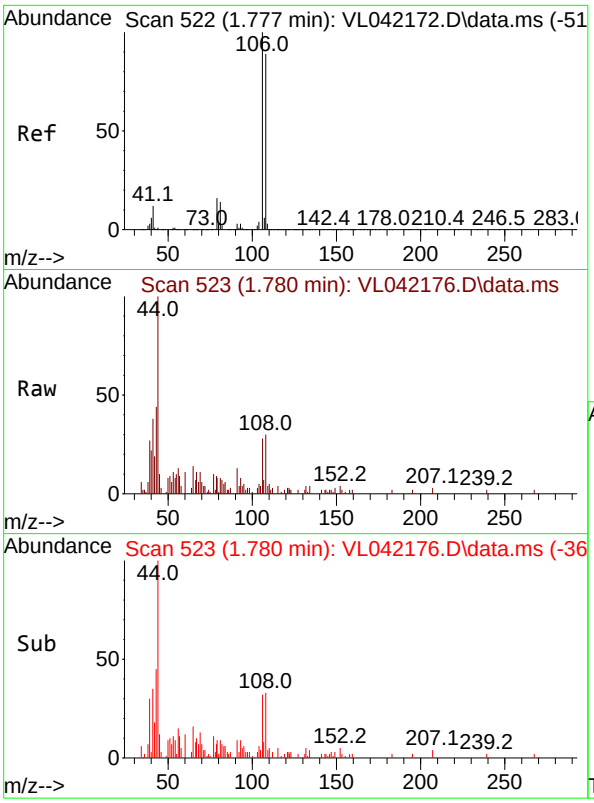


#13
Ethanol
Concen: 0.750 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 45 Resp: 721

Ion	Ratio	Lower	Upper
45	100		
46	22.9	20.2	80.8



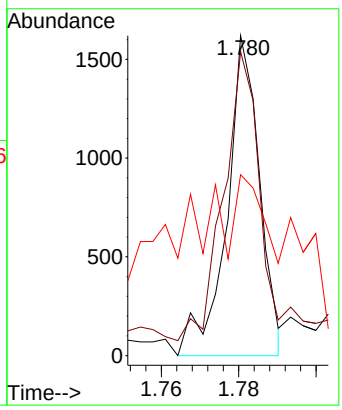


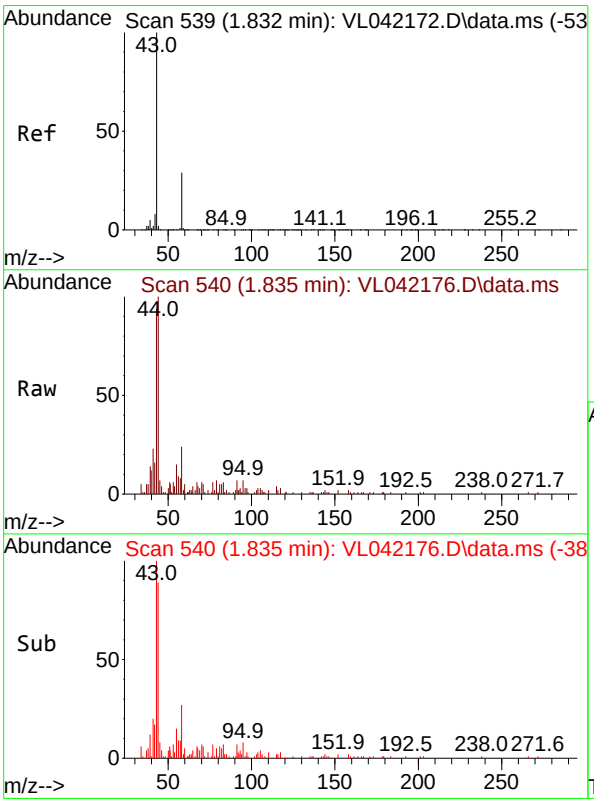
#14
Bromoethene
Concen: 0.117 ppbv
RT: 1.780 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:108 Resp: 956

Ion	Ratio	Lower	Upper
108	100		
106	177.0	86.8	130.2#
79	120.6	15.0	22.6#

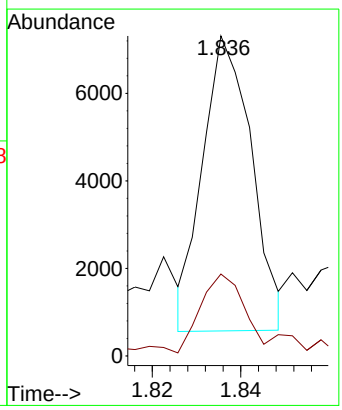


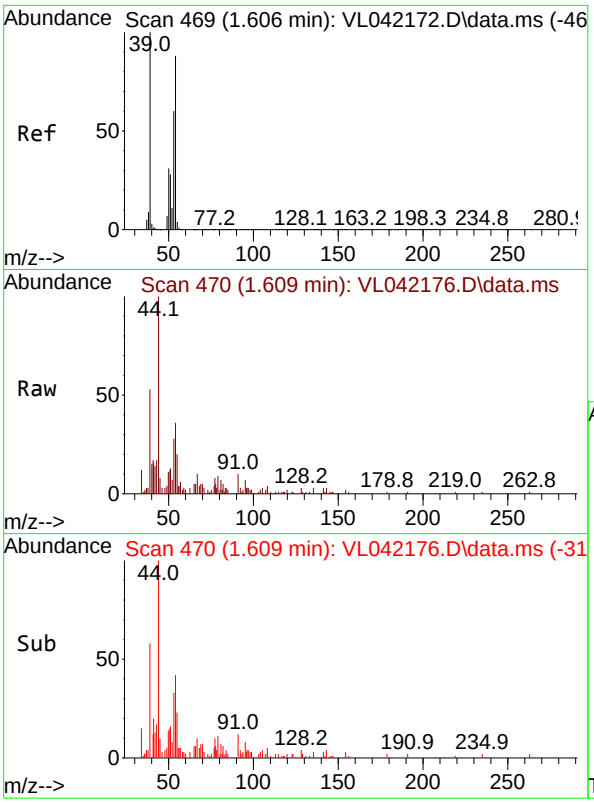


#15
Acetone
Concen: 0.205 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 43 Resp: 5179

Ion	Ratio	Lower	Upper
43	100		
58	33.1	23.2	34.8



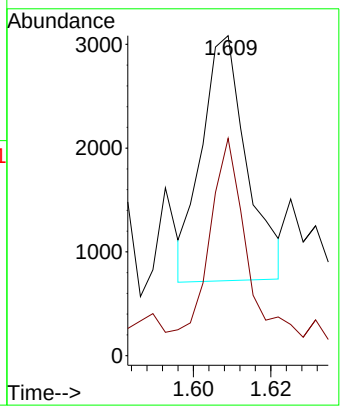


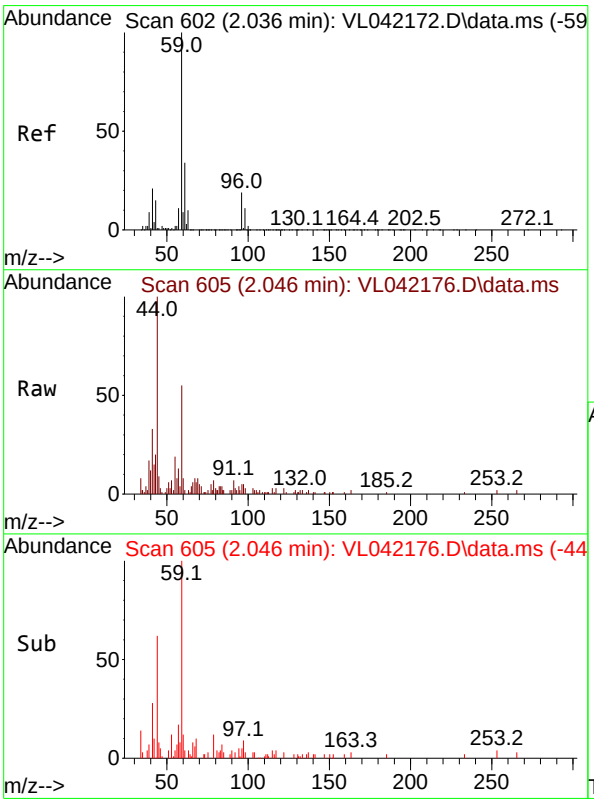
#16
1,3-Butadiene
Concen: 0.168 ppbv
RT: 1.609 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 39 Resp: 1912

Ion	Ratio	Lower	Upper
39	100		
54	70.7	60.7	91.1

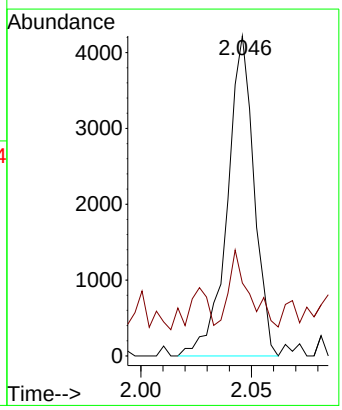


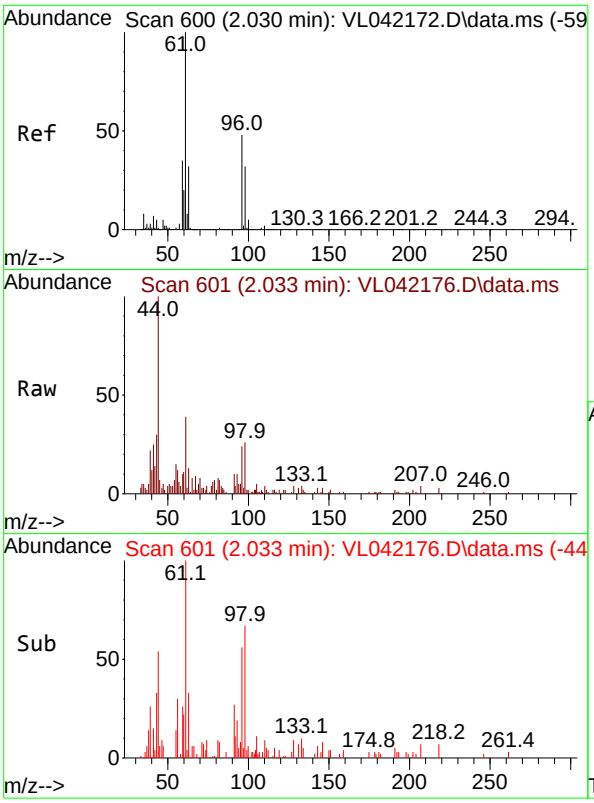


#17
tert-Butyl alcohol
Concen: 0.113 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.010 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 59 Resp: 3546

Ion	Ratio	Lower	Upper
59	100		
57	37.8	8.9	13.3#



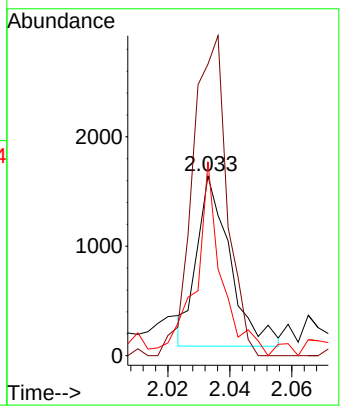


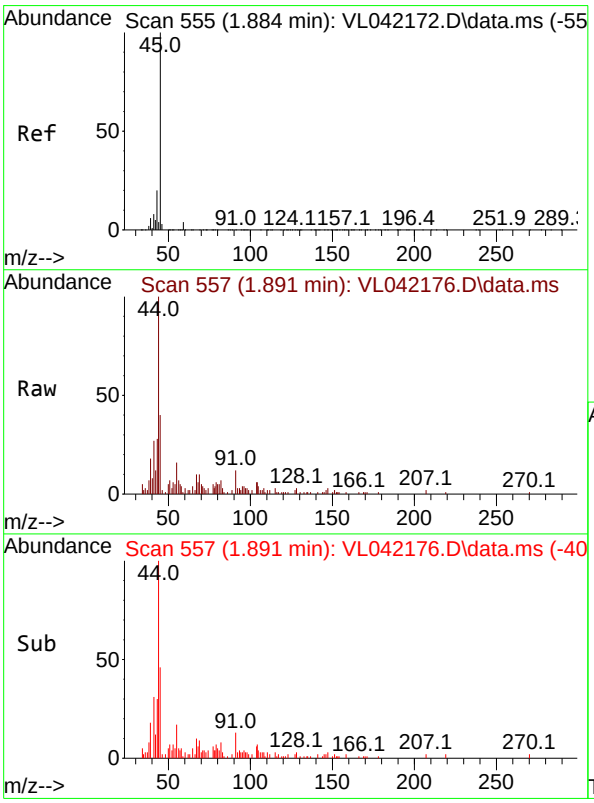
#18
1,1-Dichloroethene
Concen: 0.116 ppbv
RT: 2.033 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 96 Resp: 1155

Ion	Ratio	Lower	Upper
96	100		
61	179.9	167.6	251.4
98	112.6	53.5	80.3#

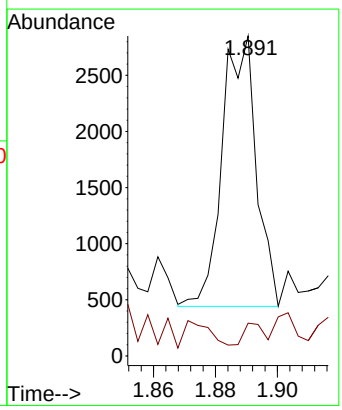


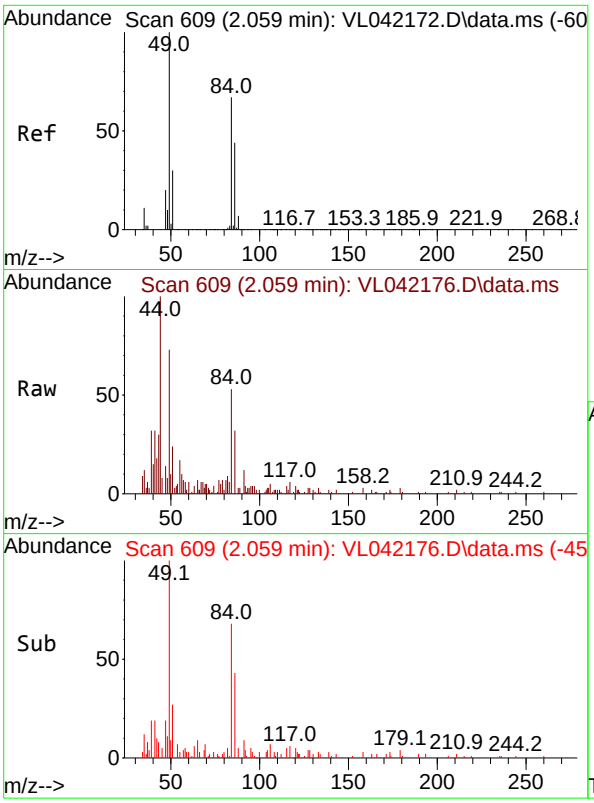


#19
Isopropyl Alcohol
Concen: 0.129 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 45 Resp: 1838

Ion	Ratio	Lower	Upper
45	100		
58	12.5	36.9	55.3#



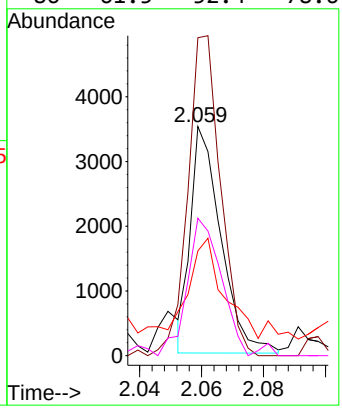


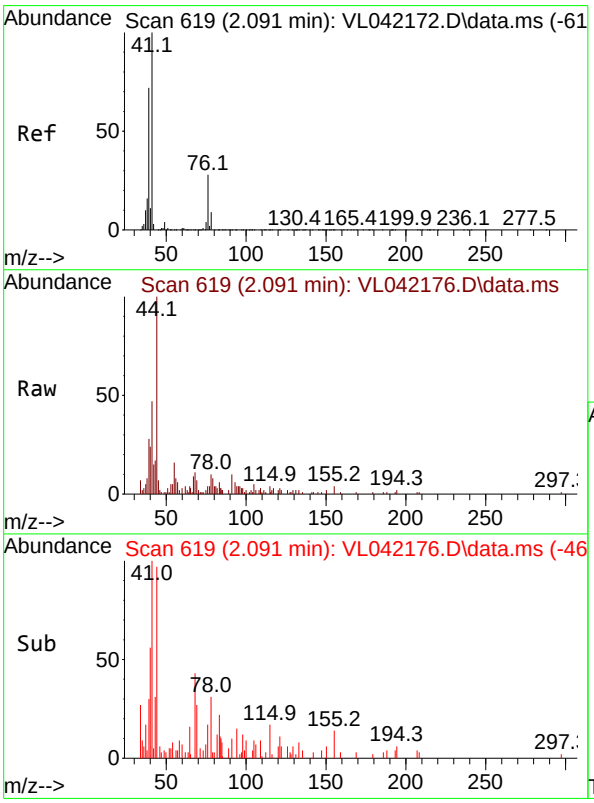
#20
Methylene Chloride
Concen: 0.254 ppbv
RT: 2.059 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 84 Resp: 2388

Ion	Ratio	Lower	Upper
84	100		
49	132.5	120.2	180.4
51	37.3	37.4	56.0#
86	61.5	52.4	78.6

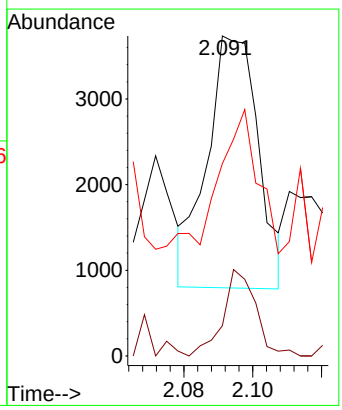


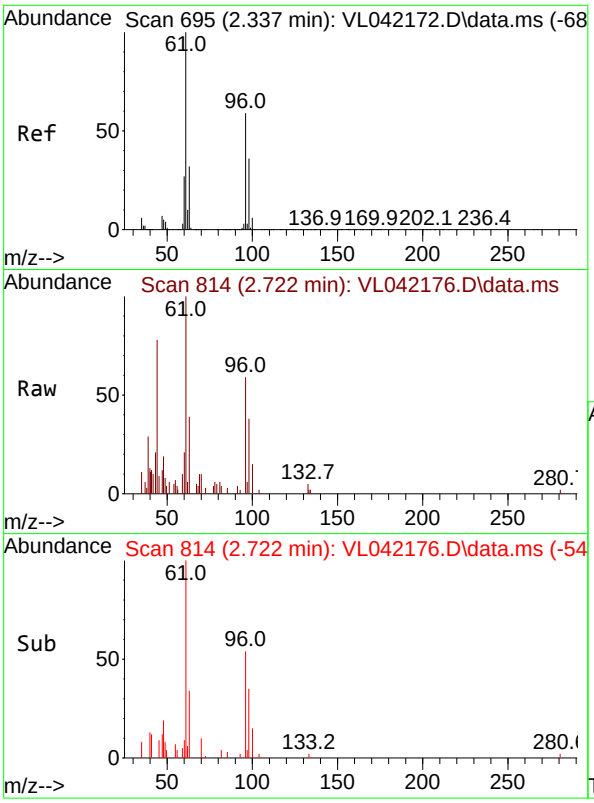


#21
Allyl Chloride
Concen: 0.171 ppbv
RT: 2.091 min Scan# 619
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 41 Resp: 3040

Ion	Ratio	Lower	Upper
41	100		
76	21.8	24.1	36.1#
39	98.7	61.1	91.7#



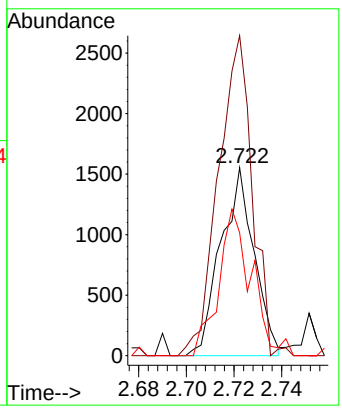


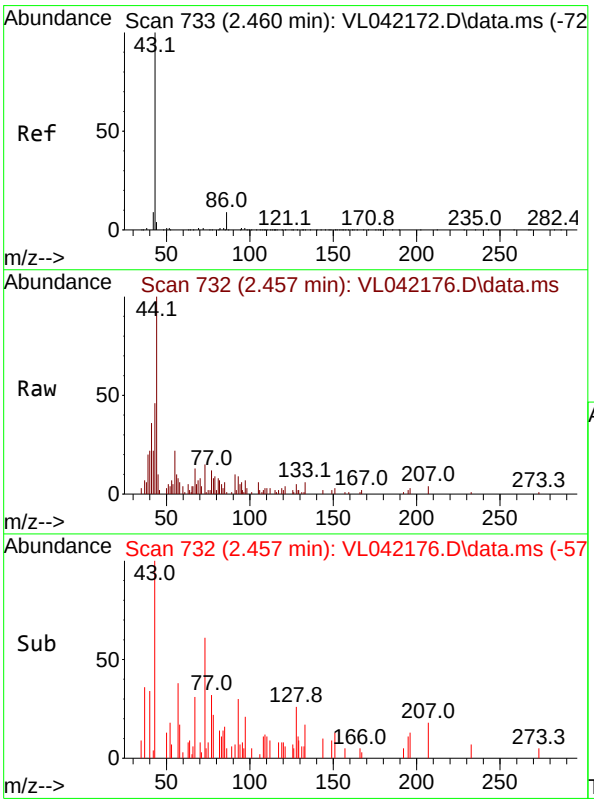
#22
trans-1,2-Dichloroethene
Concen: 0.130 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.385 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 96 Resp: 1512

Ion	Ratio	Lower	Upper
96	100		
61	170.3	136.6	204.8
98	65.4	49.4	74.2

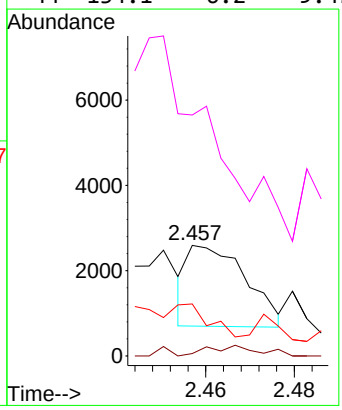


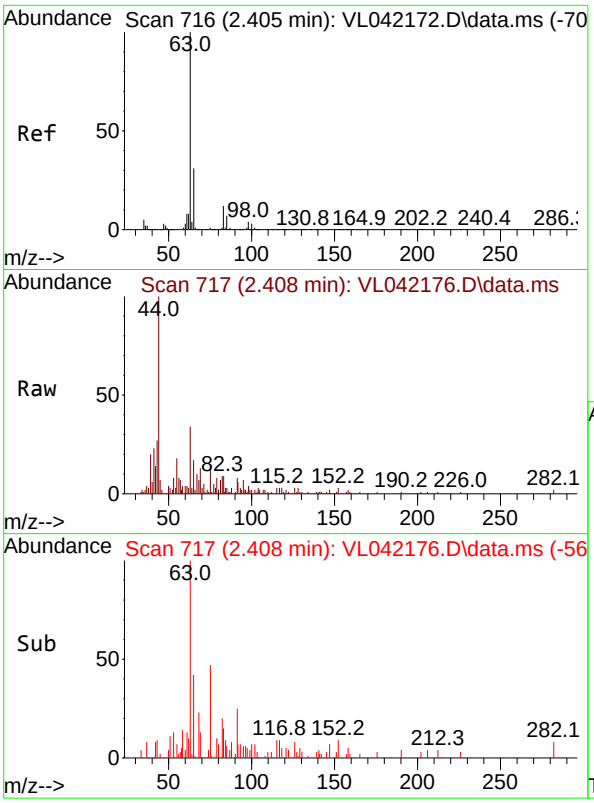


#23
Vinyl Acetate
Concen: 0.166 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 43 Resp: 1746

Ion	Ratio	Lower	Upper
43	100		
86	3.5	5.5	8.3#
42	32.0	8.6	13.0#
44	134.1	6.2	9.4#



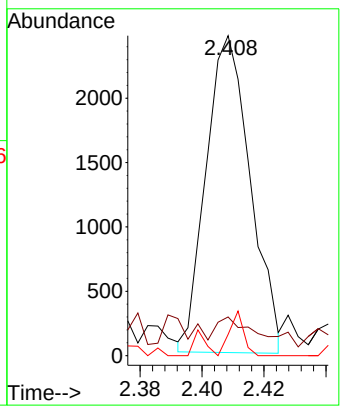


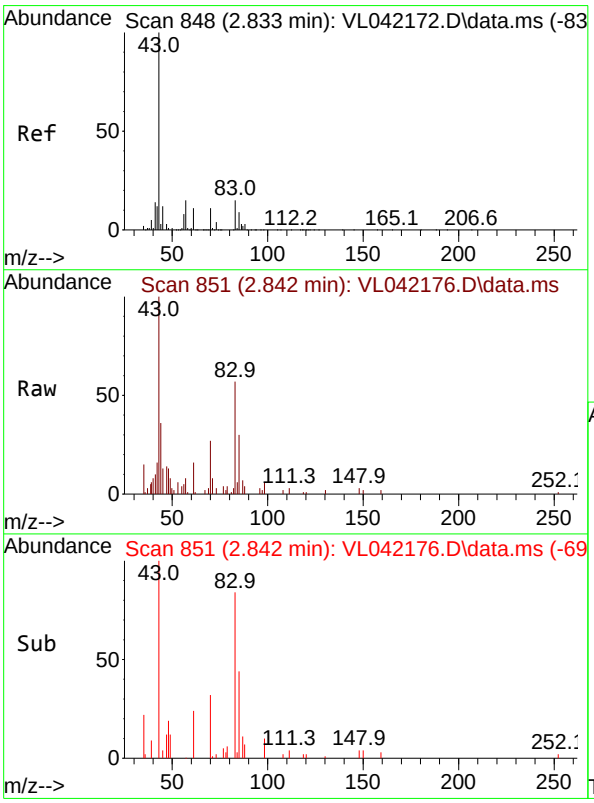
#24
1,1-Dichloroethane
Concen: 0.114 ppbv
RT: 2.408 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 2446

Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.3	6.8
100	6.9	1.6	4.7#

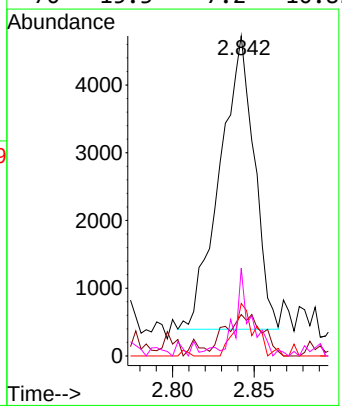


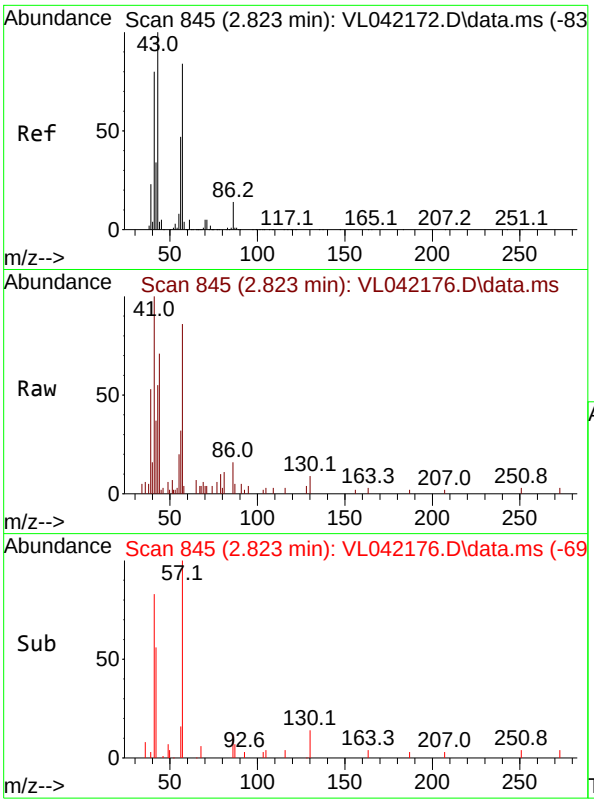


#25
Ethyl Acetate
Concen: 0.097 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.010 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 43 Resp: 6359

Ion	Ratio	Lower	Upper
43	100		
45	22.8	8.2	12.2#
61	11.2	7.3	10.9#
70	15.3	7.2	10.8#



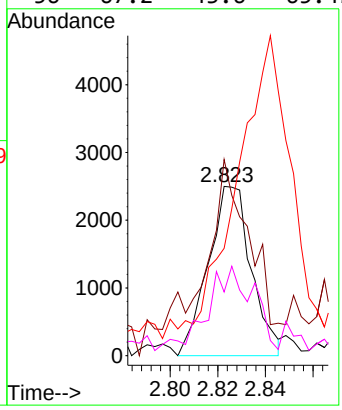


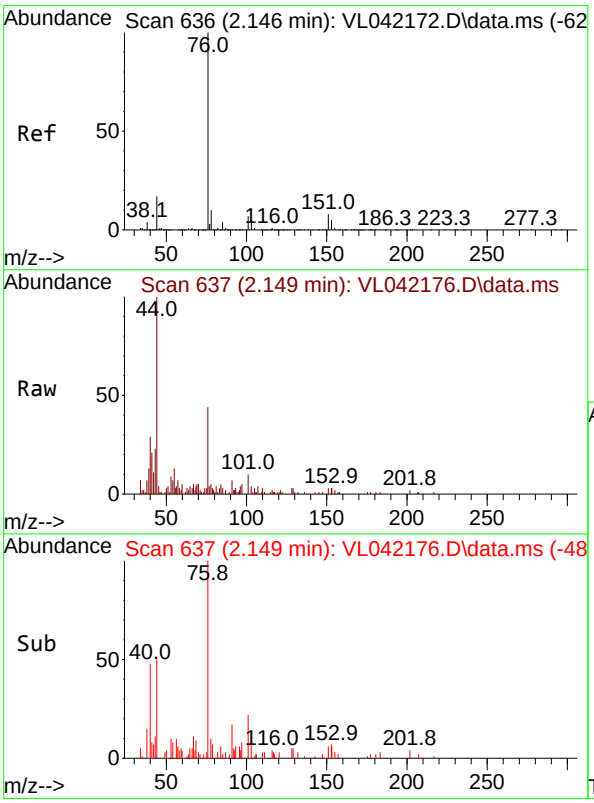
#26
Hexane
Concen: 0.123 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 57 Resp: 3126

Ion	Ratio	Lower	Upper
57	100		
41	96.0	76.6	114.8
43	0.0	207.8	311.8#
56	67.2	43.6	65.4#

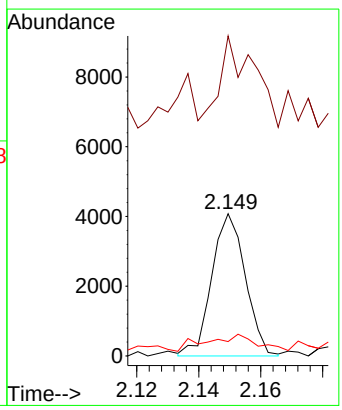


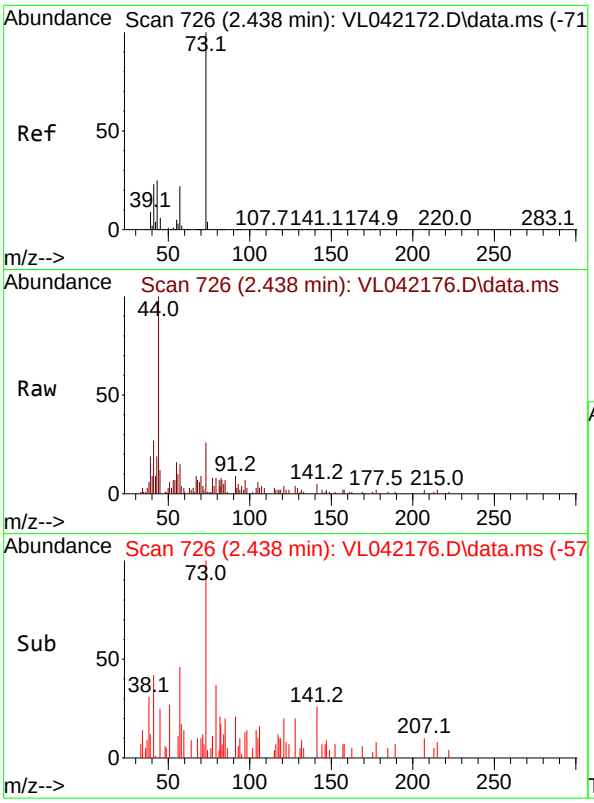


#27
Carbon Disulfide
Concen: 0.113 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 76 Resp: 3075

Ion	Ratio	Lower	Upper
76	100		
44	436.3	14.7	22.1#
78	28.7	9.3	13.9#



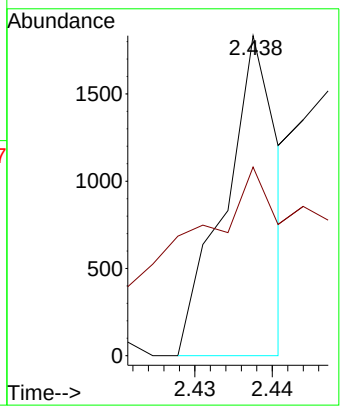


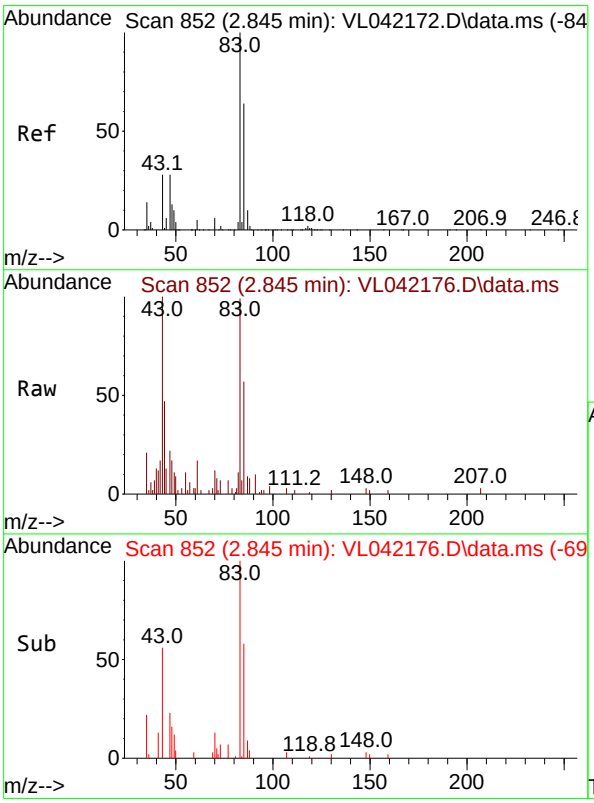
#28
Methyl tert-Butyl Ether
Concen: 0.055 ppbv
RT: 2.438 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 73 Resp: 875

Ion	Ratio	Lower	Upper
73	100		
57	0.0	20.5	30.7#

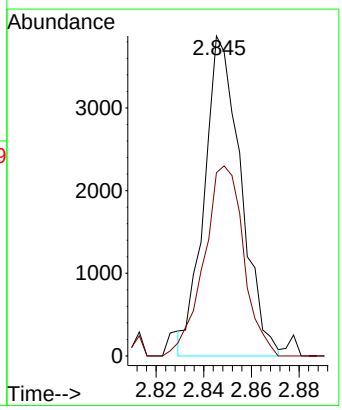


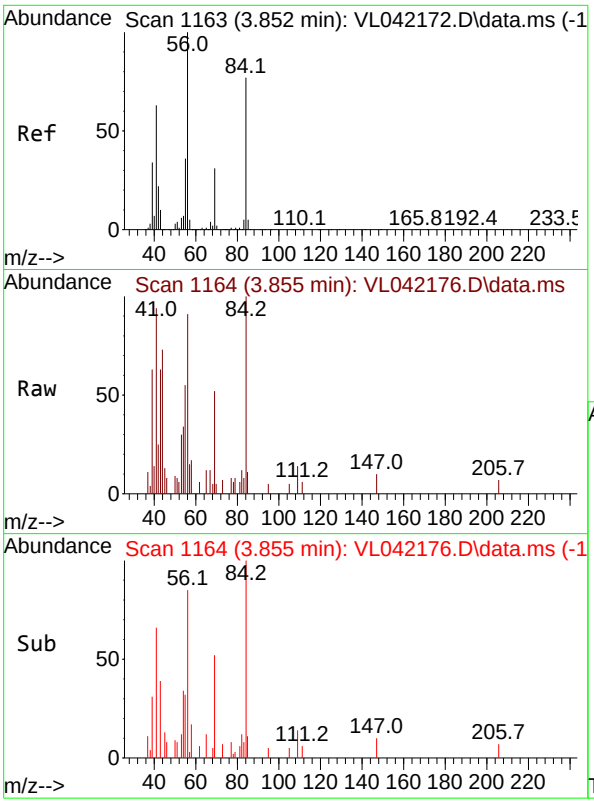


#29
Chloroform
Concen: 0.111 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 83 Resp: 4120

Ion	Ratio	Lower	Upper
83	100		
85	58.4	51.4	77.2



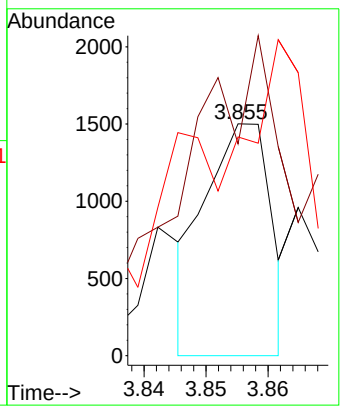


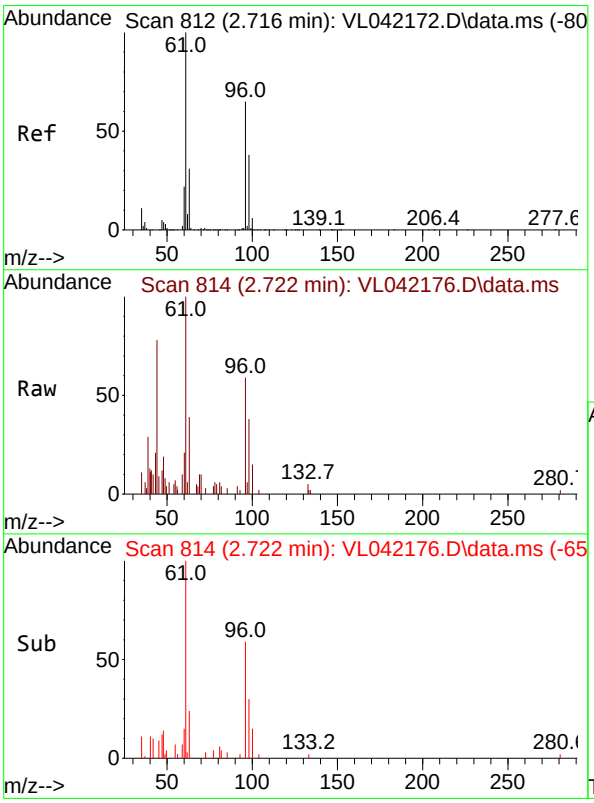
#30
Cyclohexane
Concen: 0.051 ppbv
RT: 3.855 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 84 Resp: 1113

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.8	154.2#
41	0.0	66.5	99.7#

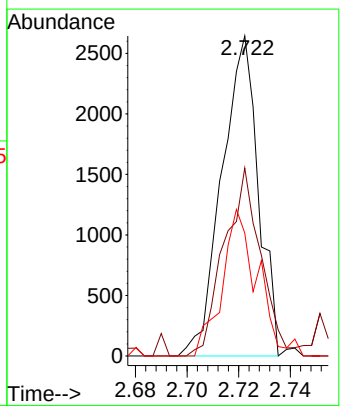


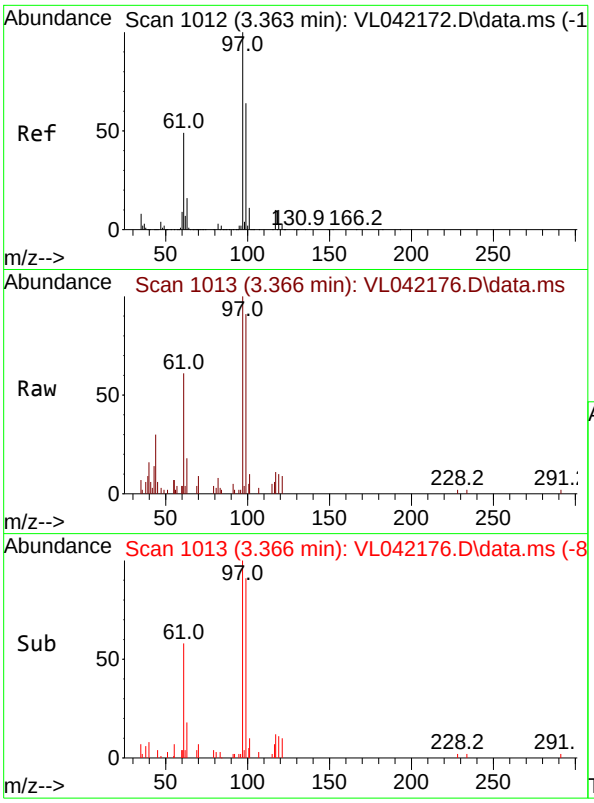


#31
cis-1,2-Dichloroethene
Concen: 0.101 ppbv
RT: 2.722 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 61 Resp: 2587

Ion	Ratio	Lower	Upper
61	100		
96	58.7	51.8	77.8
98	38.4	30.6	46.0



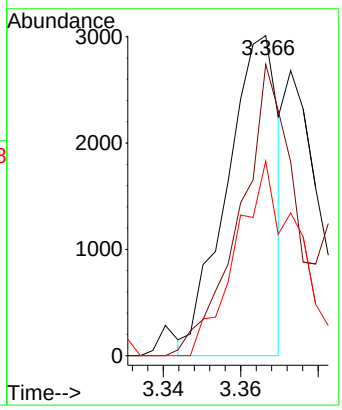


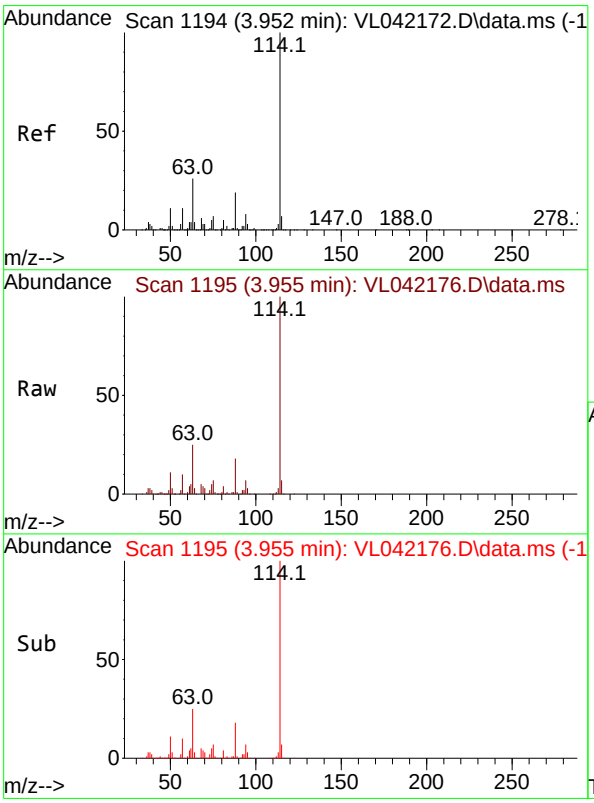
#32
1,1,1-Trichloroethane
Concen: 0.065 ppbv
RT: 3.366 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 2773

Ion	Ratio	Lower	Upper
97	100		
99	111.5	51.5	77.3#
61	73.8	38.7	58.1#

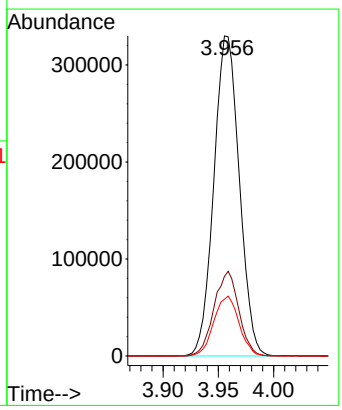


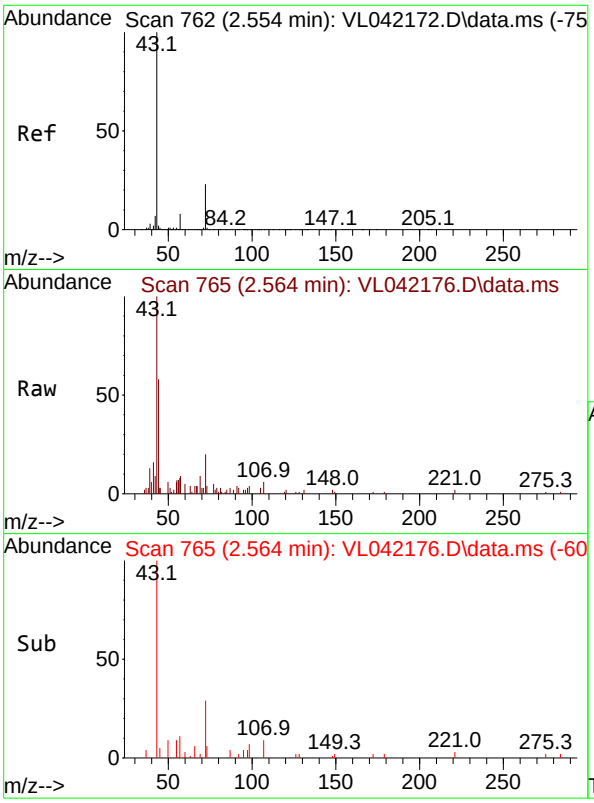


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:114 Resp: 528028

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	18.5	15.0	22.4



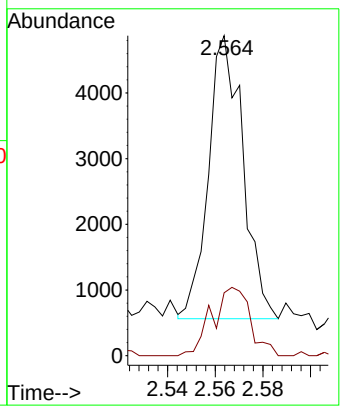


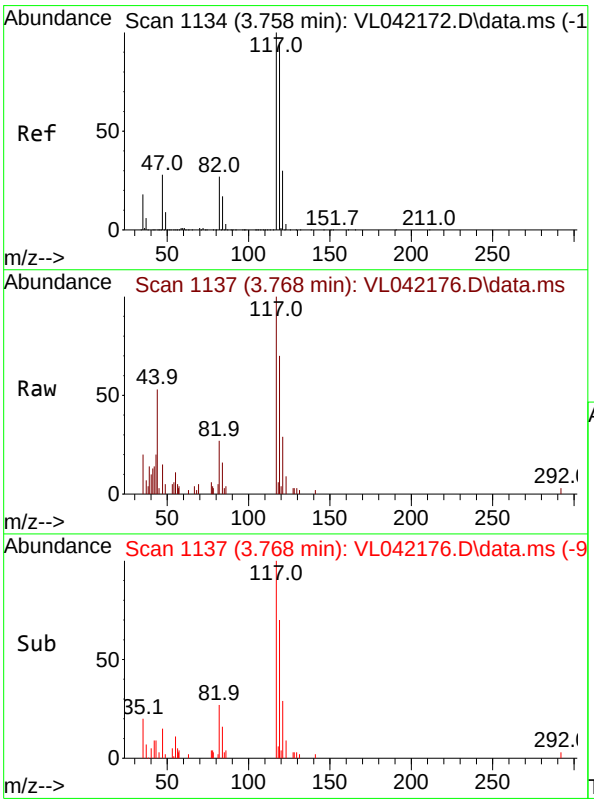
#34
2-Butanone
Concen: 0.113 ppbv
RT: 2.564 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 4331

Ion	Ratio	Lower	Upper
43	100		
72	27.0	18.2	27.2

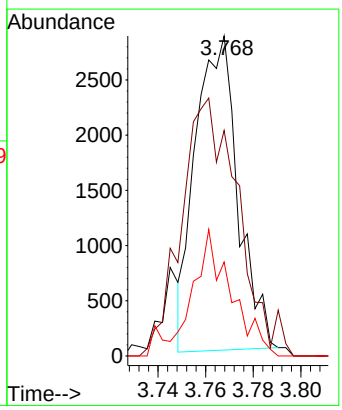


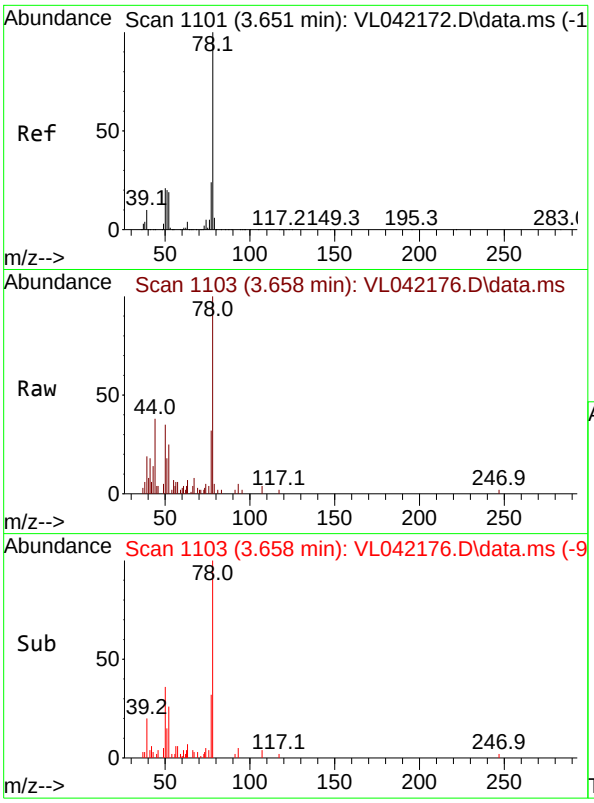


#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:117 Resp: 3523

Ion	Ratio	Lower	Upper
117	100		
119	57.7	76.2	114.2#
121	30.1	24.2	36.4



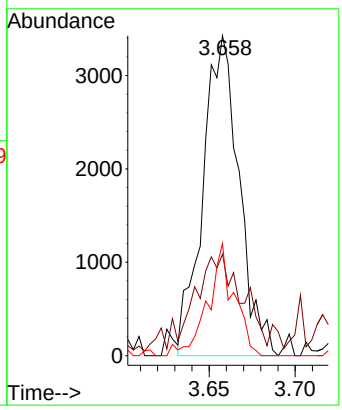


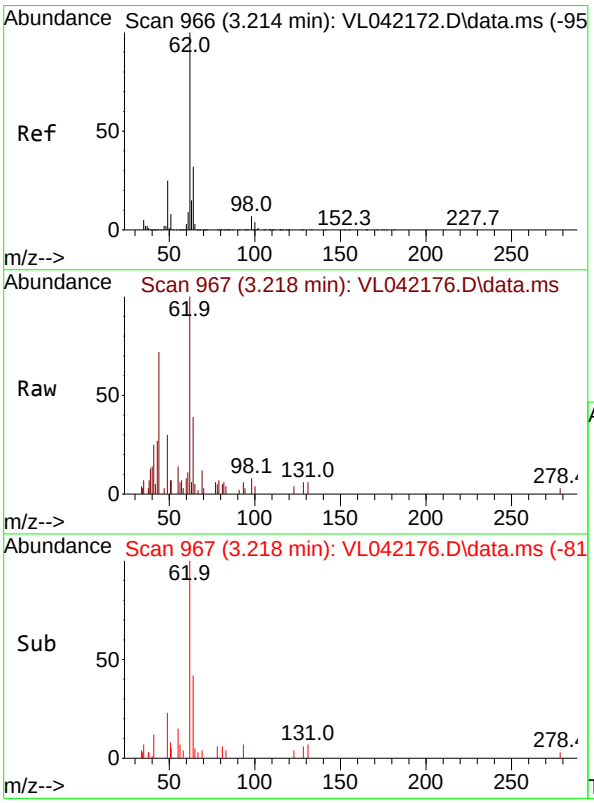
#36
Benzene
Concen: 0.096 ppbv
RT: 3.658 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 78 Resp: 5031

Ion	Ratio	Lower	Upper
78	100		
77	27.2	19.1	28.7
50	35.0	16.6	24.8#

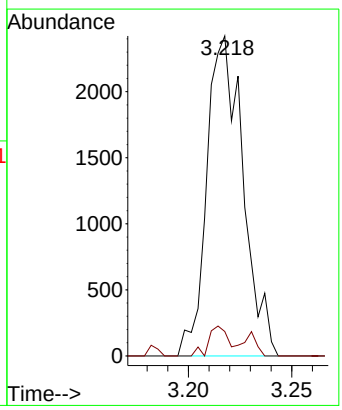


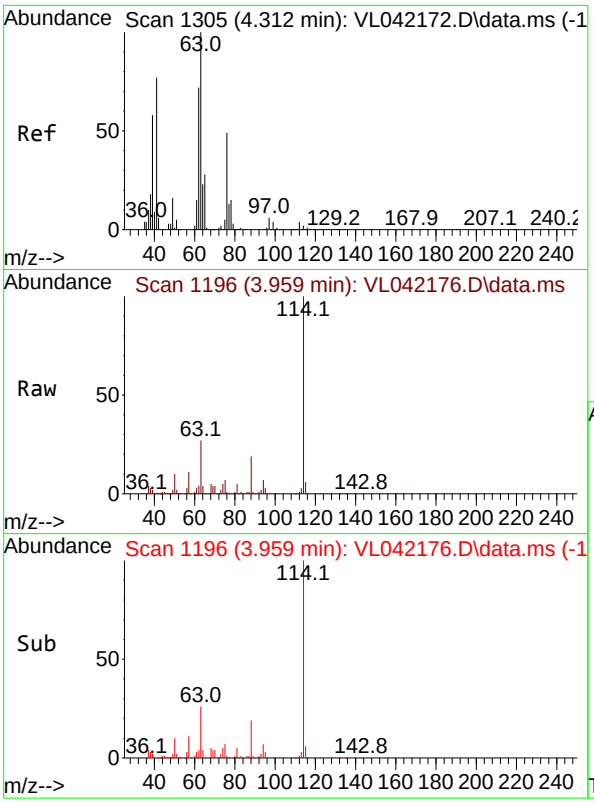


#37
1,2-Dichloroethane
Concen: 0.098 ppbv
RT: 3.218 min Scan# 967
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 62 Resp: 2942

Ion	Ratio	Lower	Upper
62	100		
98	7.7	5.4	8.2



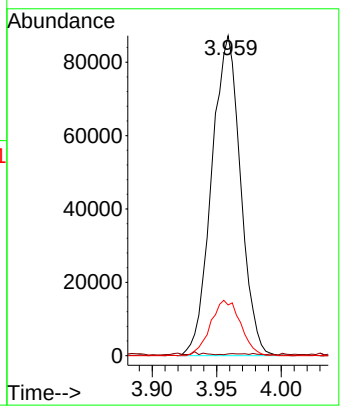


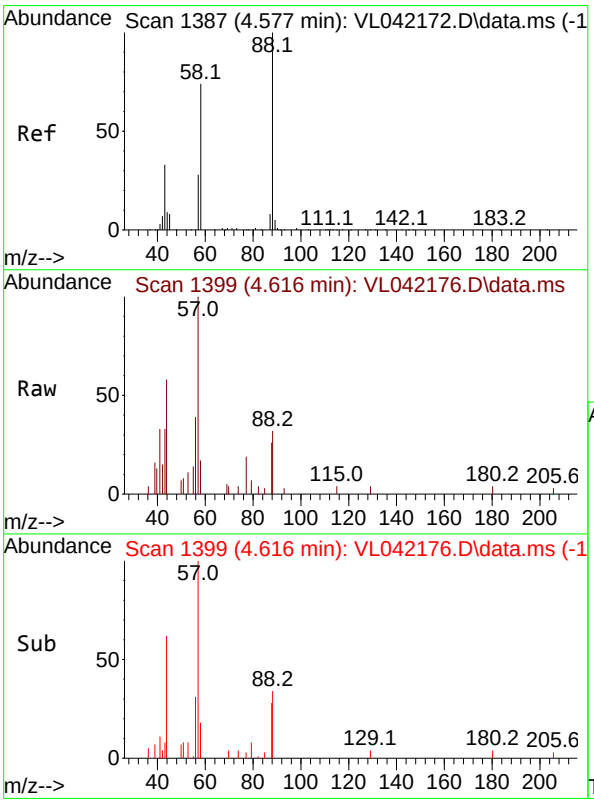
#39
1,2-Dichloropropane
Concen: 7.123 ppbv
RT: 3.959 min Scan# 1
Delta R.T. -0.353 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 135792

Ion	Ratio	Lower	Upper
63	100		
41	0.3	61.7	92.5#
62	15.9	57.6	86.4#

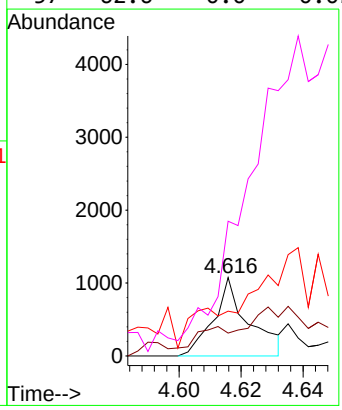


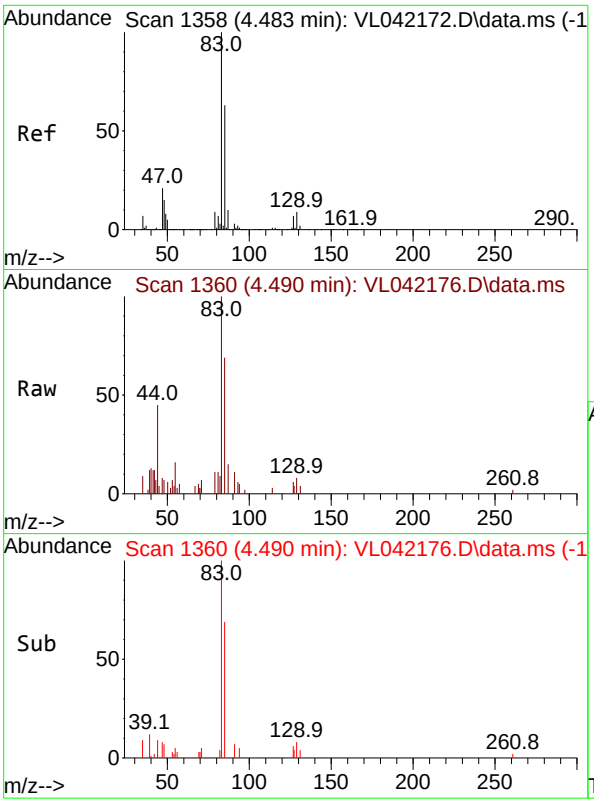


#40
1,4-Dioxane
Concen: 0.085 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. 0.039 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 88 Resp: 843

Ion	Ratio	Lower	Upper
88	100		
58	0.0	62.7	94.1#
43	47.9	23.0	34.4#
57	62.6	0.0	0.0#



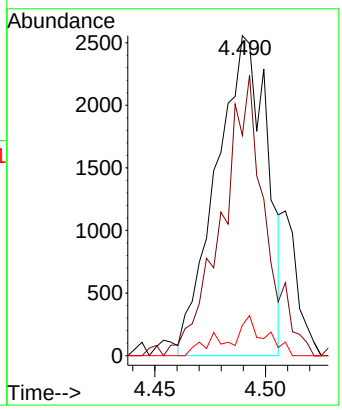


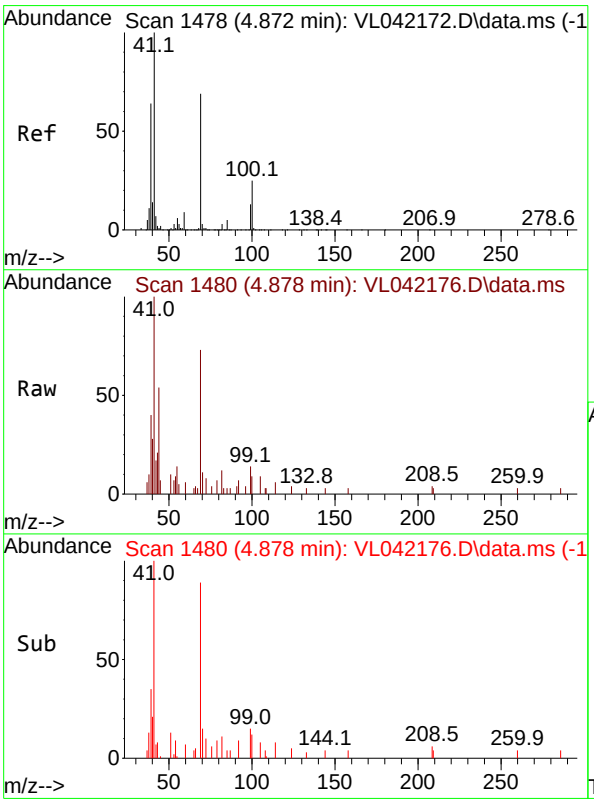
#42
Bromodichloromethane
Concen: 0.099 ppbv
RT: 4.490 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 4103

Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.5	75.7
127	9.8	5.9	8.9#

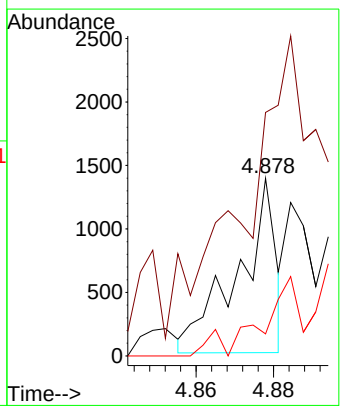


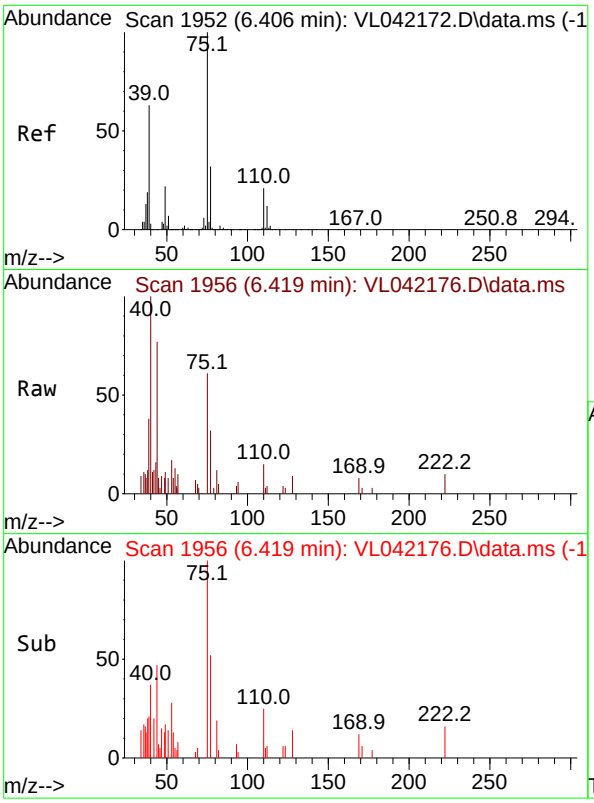


#43
Methyl Methacrylate
Concen: 0.042 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 69 Resp: 930

Ion	Ratio	Lower	Upper
69	100		
41	0.0	123.8	185.6#
100	0.0	28.4	42.6#



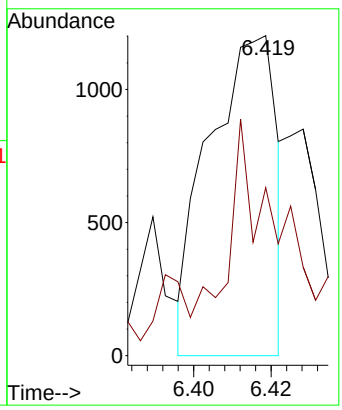


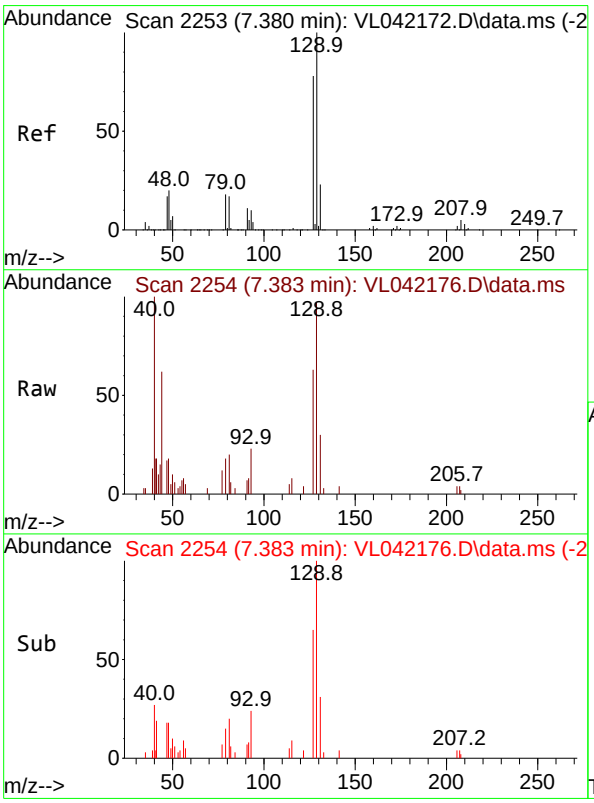
#45
t-1,3-Dichloropropene
Concen: 0.061 ppbv
RT: 6.419 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 1449

Ion	Ratio	Lower	Upper
75	100		
77	52.5	26.0	39.0#

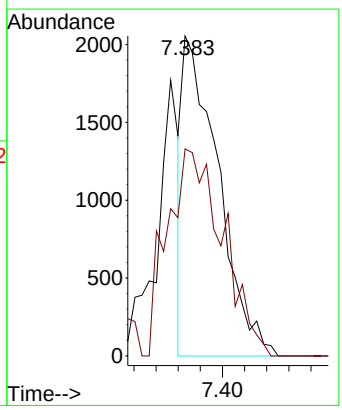


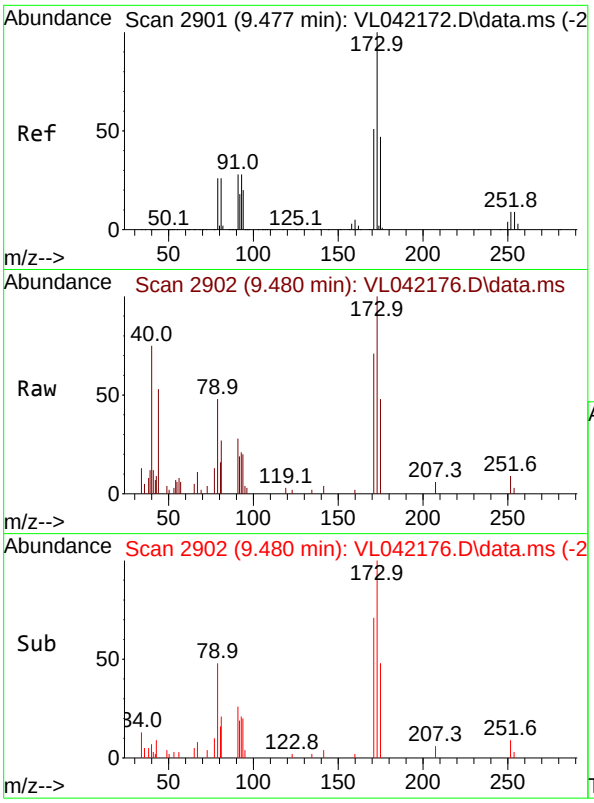


#48
Dibromochloromethane
Concen: 0.067 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:129 Resp: 2284

Ion	Ratio	Lower	Upper
129	100		
127	106.0	39.1	117.2



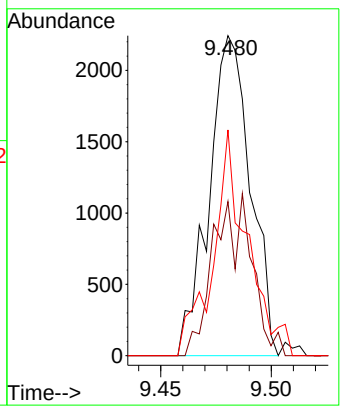


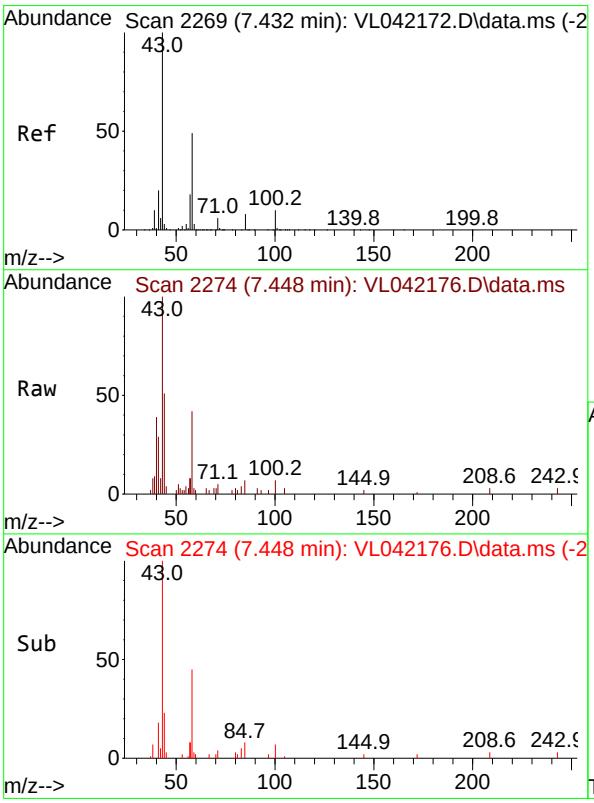
#49
Bromoform
Concen: 0.095 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 2928

Ion	Ratio	Lower	Upper
173	100		
175	46.4	38.6	57.8
171	58.1	41.8	62.6

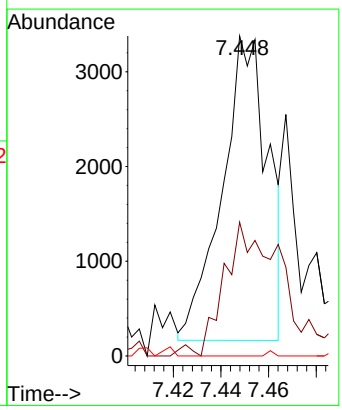


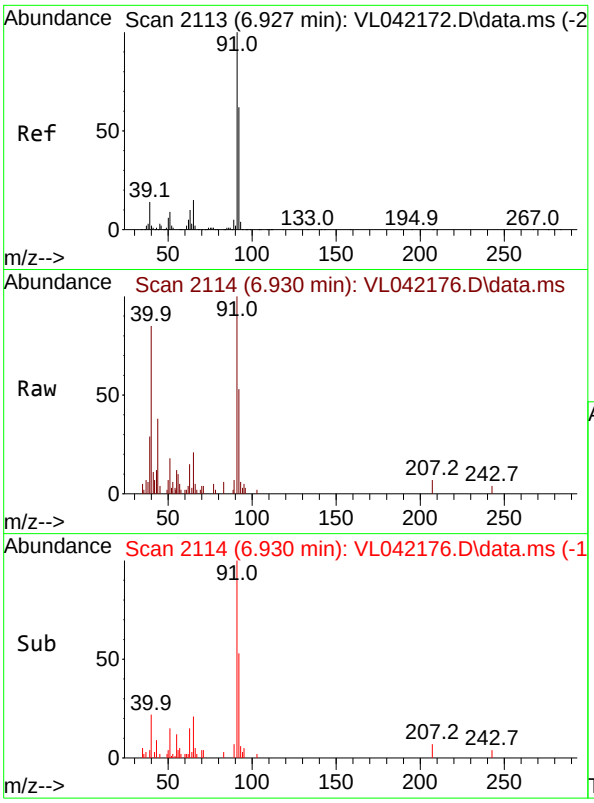


#51
2-Hexanone
Concen: 0.085 ppbv
RT: 7.448 min Scan# 2274
Delta R.T. 0.016 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 43 Resp: 4284

Ion	Ratio	Lower	Upper
43	100		
58	58.3	39.7	59.5
98	0.0	0.1	0.1#



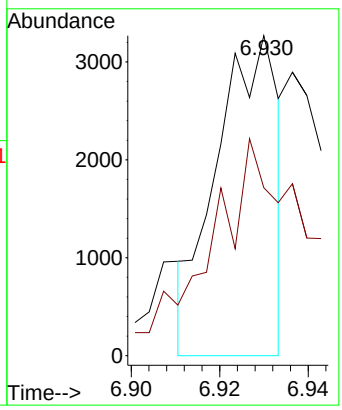


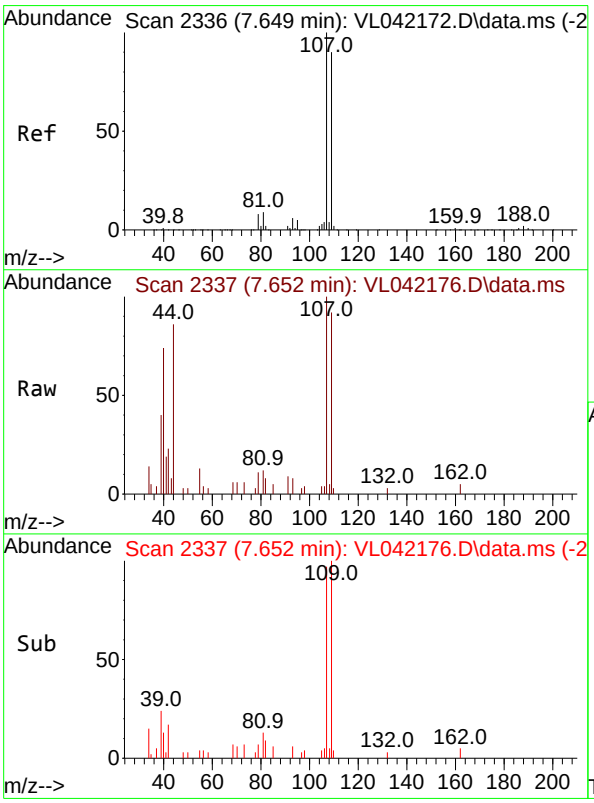
#53
Toluene
Concen: 0.051 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 3144

Ion	Ratio	Lower	Upper
91	100		
92	117.7	48.4	72.6#

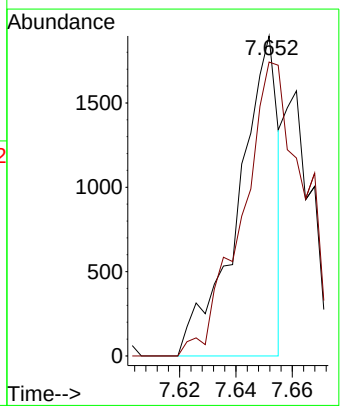


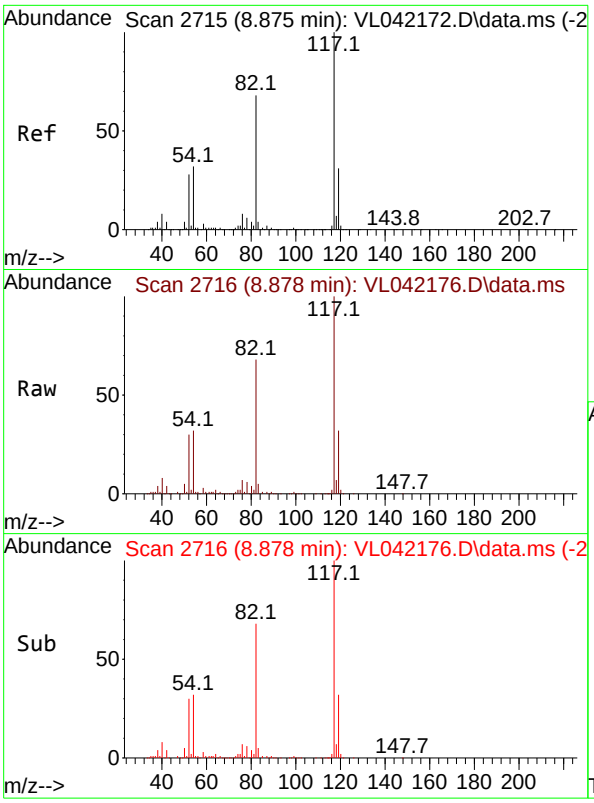


#54
1,2-Dibromoethane
Concen: 0.066 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:107 Resp: 1864

Ion	Ratio	Lower	Upper
107	100		
109	91.8	72.2	108.4



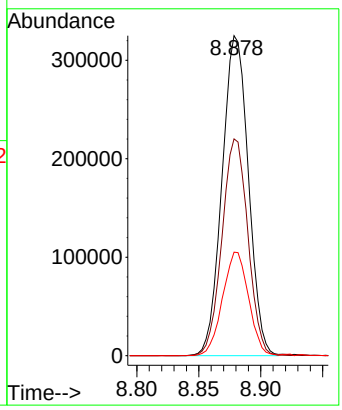


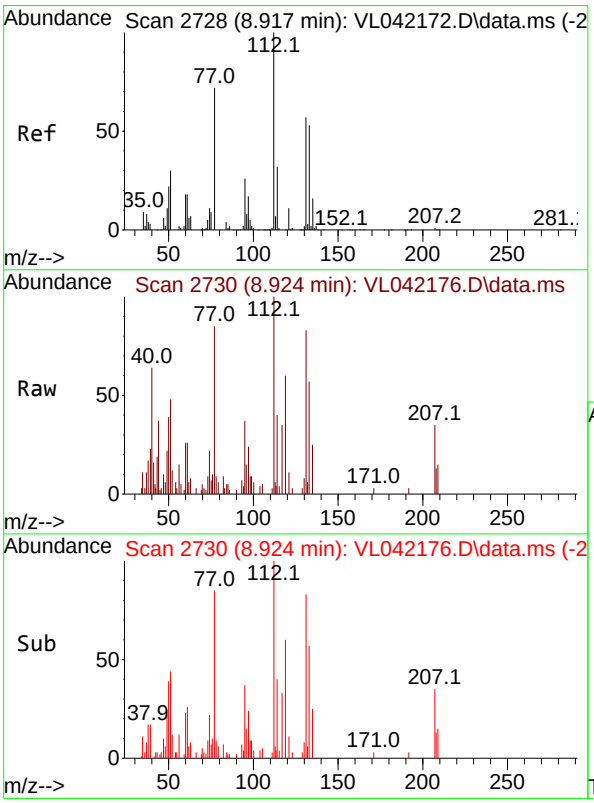
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 481506

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	32.3	25.5	38.3

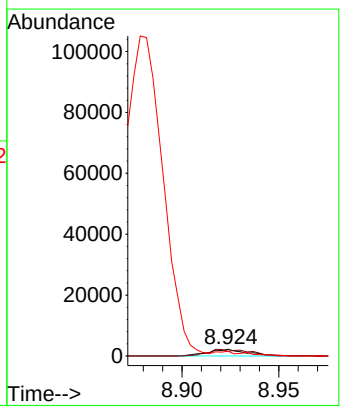


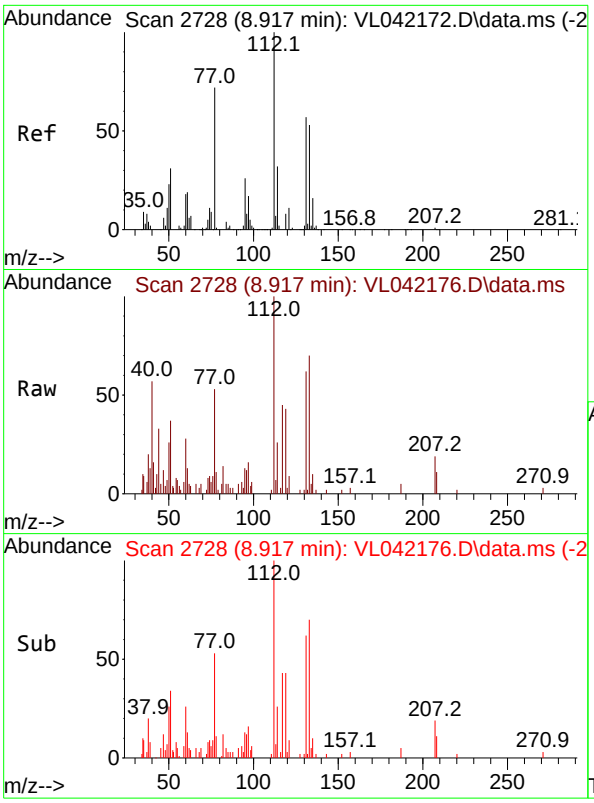


#56
1,1,1,2-Tetrachloroethane
Concen: 0.112 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:131 Resp: 2963

Ion	Ratio	Lower	Upper
131	100		
133	115.5	76.6	114.8#
119	5254.7	49.8	74.6#



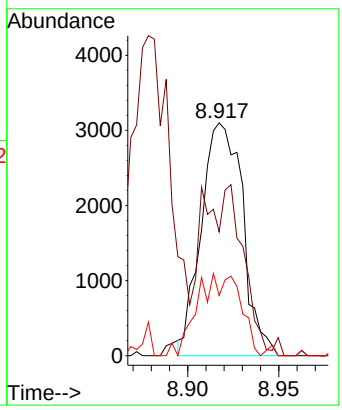


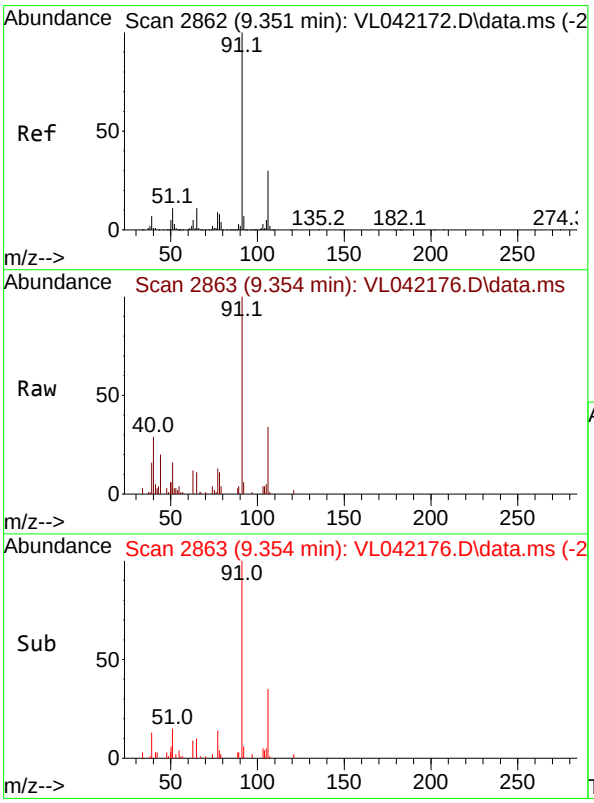
#57
Chlorobenzene
Concen: 0.107 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 4904

Ion	Ratio	Lower	Upper
112	100		
77	45.4	58.2	87.2#
114	25.8	29.1	35.5#

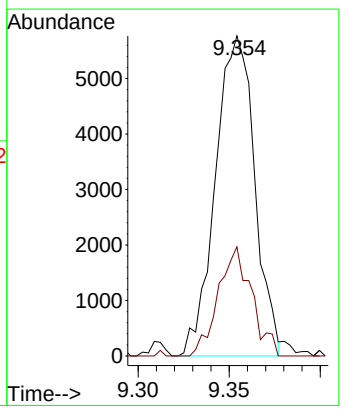


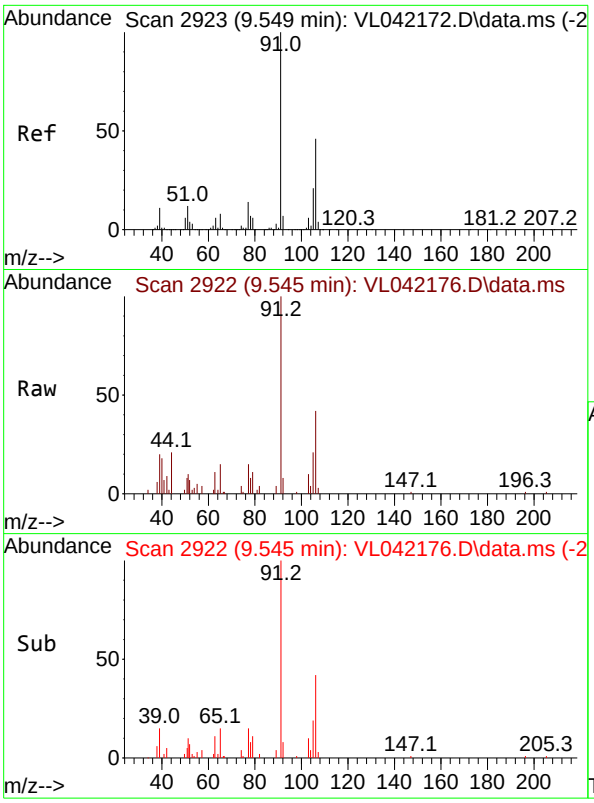


#58
Ethyl Benzene
Concen: 0.101 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 91 Resp: 8648

Ion	Ratio	Lower	Upper
91	100		
106	34.1	24.2	36.2



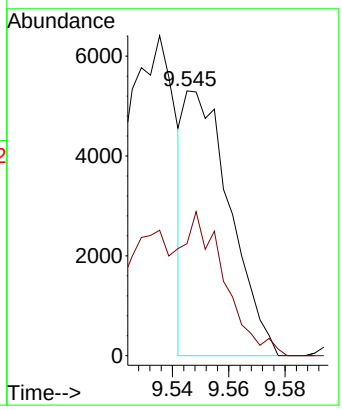


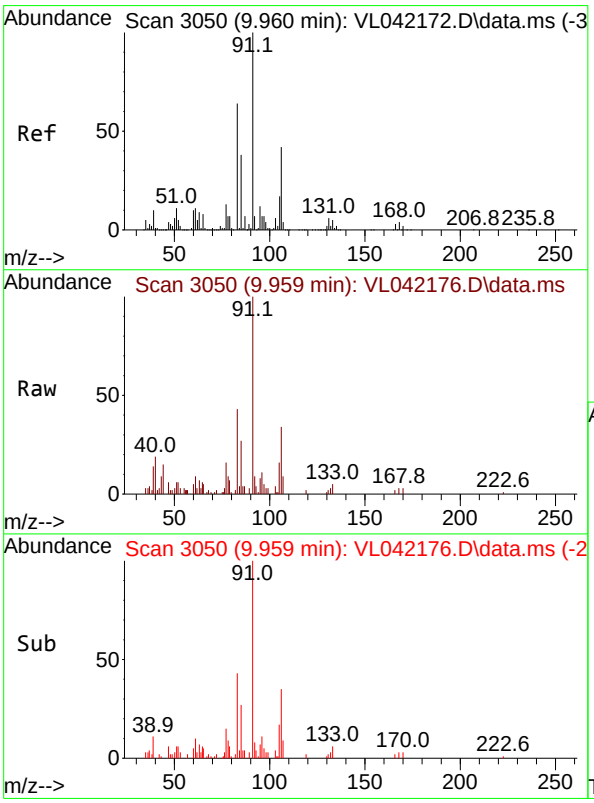
#59
m/p-Xylene
Concen: 0.088 ppbv
RT: 9.545 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 6005

Ion	Ratio	Lower	Upper
91	100		
106	103.4	36.4	54.6#

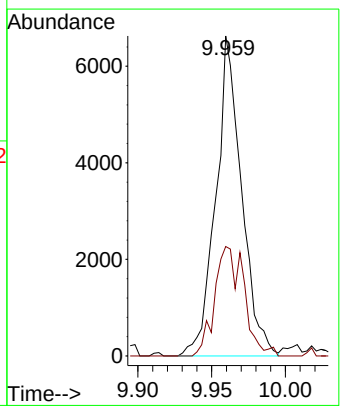


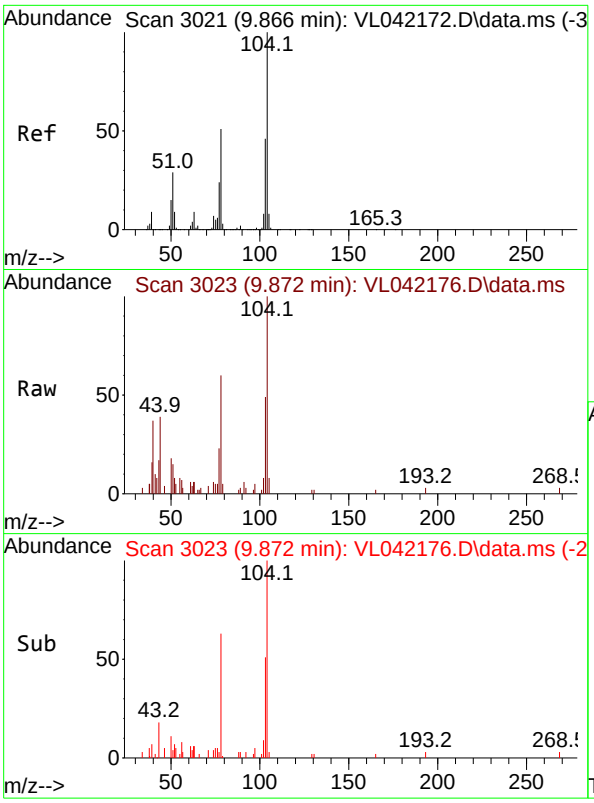


#60
o-Xylene
Concen: 0.118 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 91 Resp: 8048

Ion	Ratio	Lower	Upper
91	100		
106	39.0	20.8	62.5



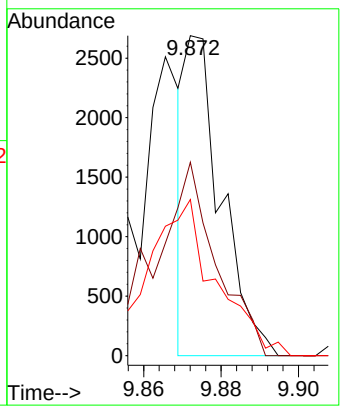


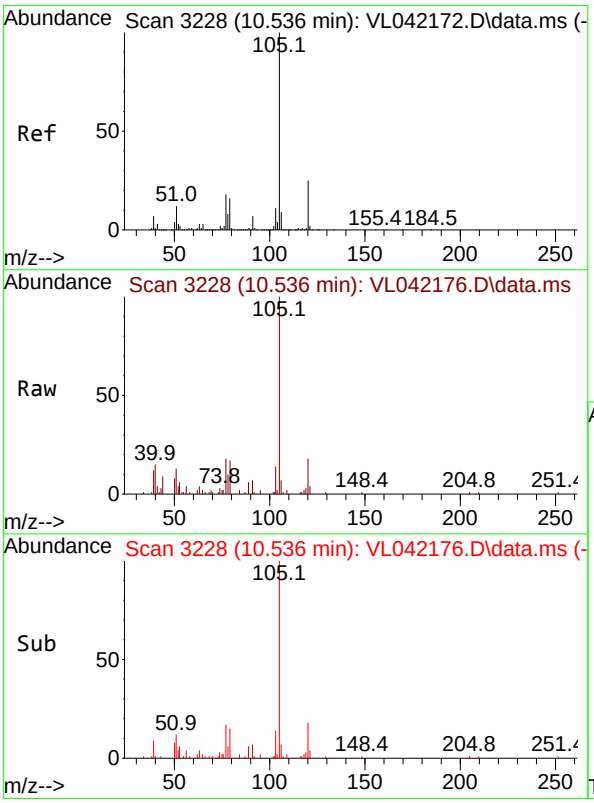
#61
Styrene
Concen: 0.051 ppbv
RT: 9.872 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 1723

Ion	Ratio	Lower	Upper
104	100		
78	105.9	41.8	62.6#
103	95.0	37.0	55.4#

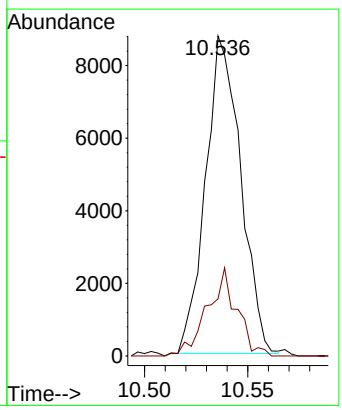


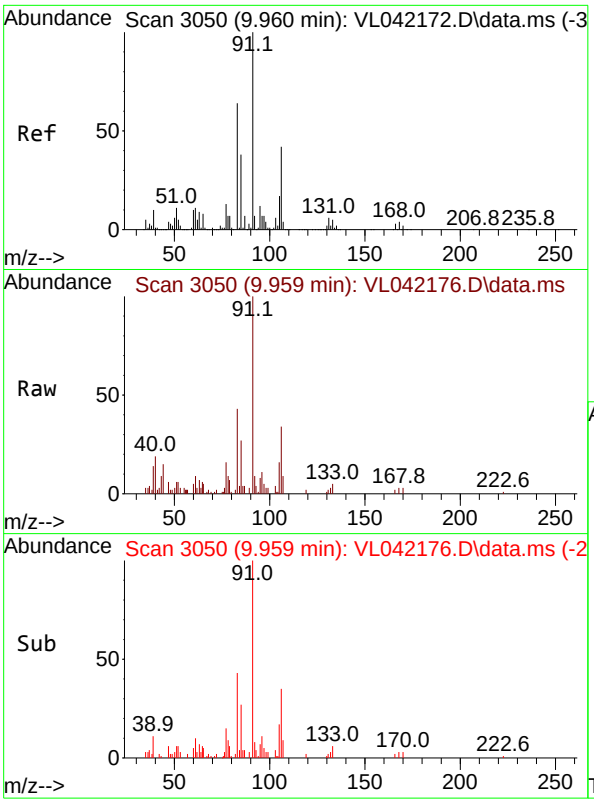


#62
Isopropylbenzene
Concen: 0.101 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:105 Resp: 10359

Ion	Ratio	Lower	Upper
105	100		
120	23.2	19.9	29.9



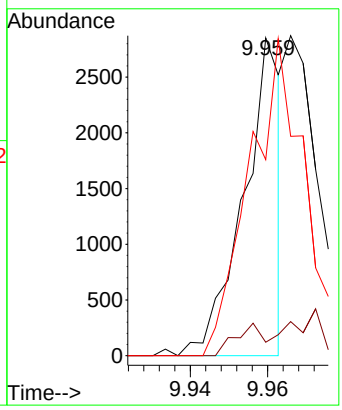


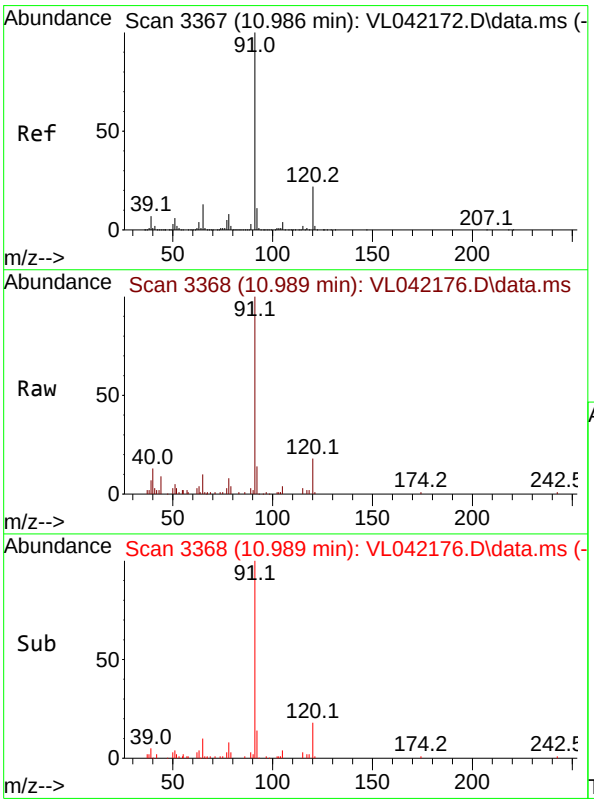
#63
1,1,2,2-Tetrachloroethane
Concen: 0.046 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 1910

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.4#
85	0.0	32.5	97.5#

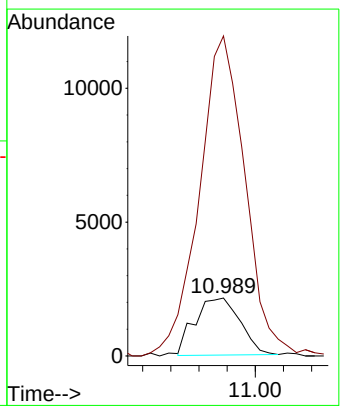


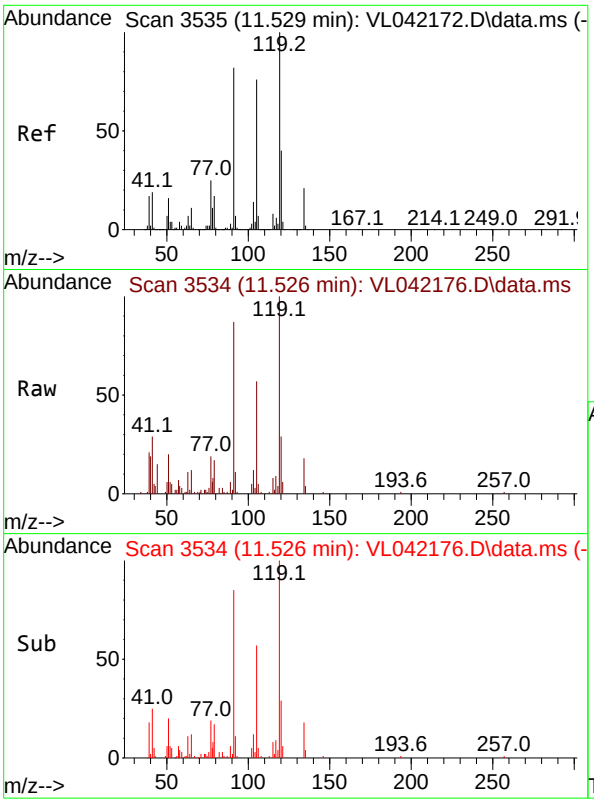


#64
n-propylbenzene
Concen: 0.090 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:120 Resp: 2375

Ion	Ratio	Lower	Upper
120	100		
91	572.3	376.9	565.3#



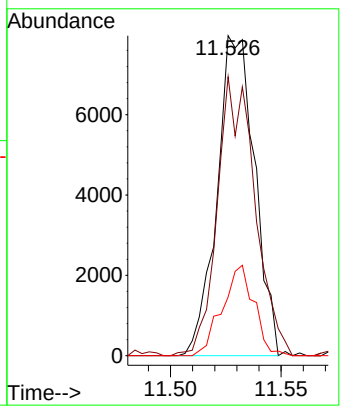


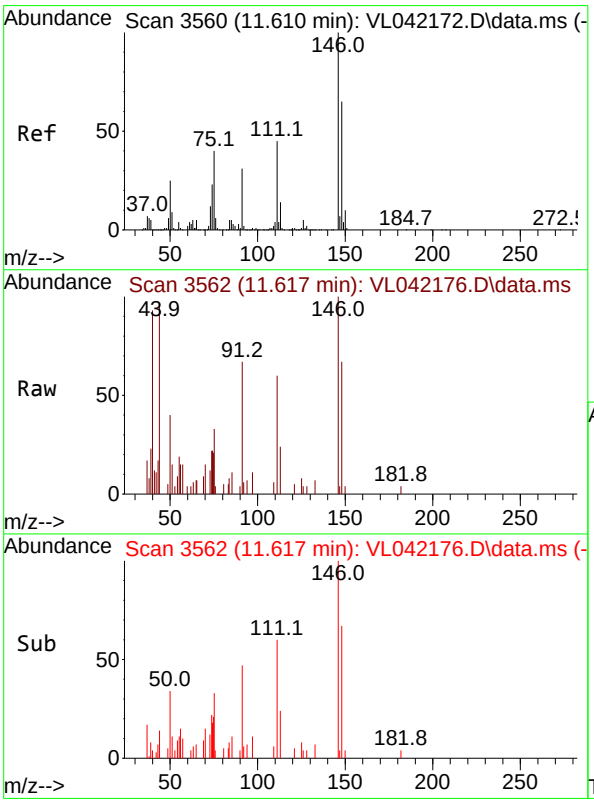
#65
tert-Butylbenzene
Concen: 0.099 ppbv
RT: 11.526 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 9418

Ion	Ratio	Lower	Upper
119	100		
91	87.8	66.0	99.0
134	23.9	16.7	25.1

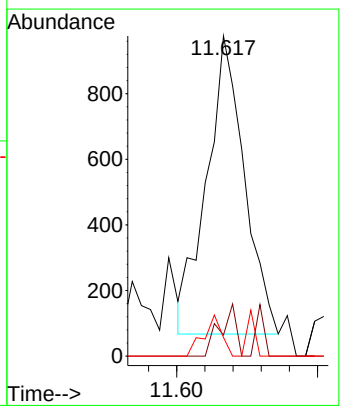


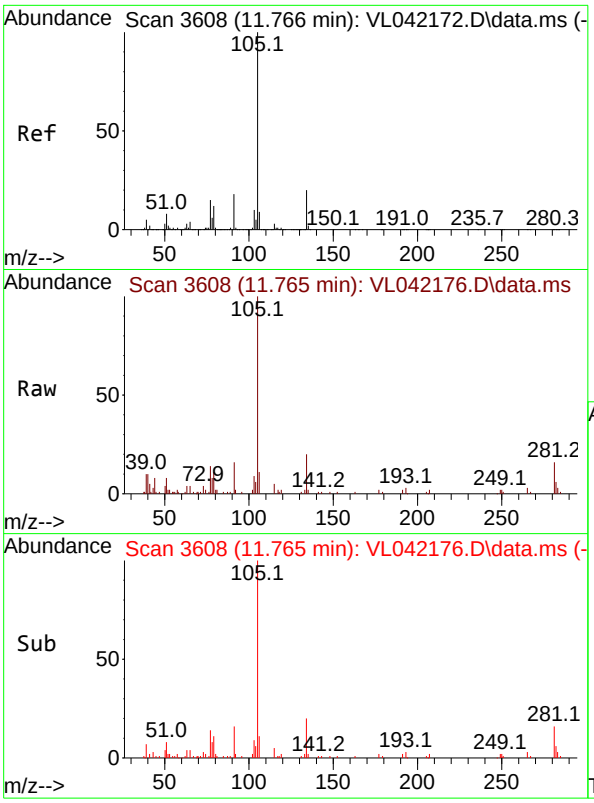


#66
Benzyl Chloride
Concen: 0.084 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 91 Resp: 844

Ion	Ratio	Lower	Upper
91	100		
126	11.0	13.8	20.6#
128	10.0	4.5	6.7#



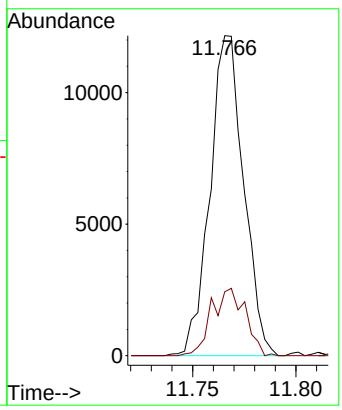


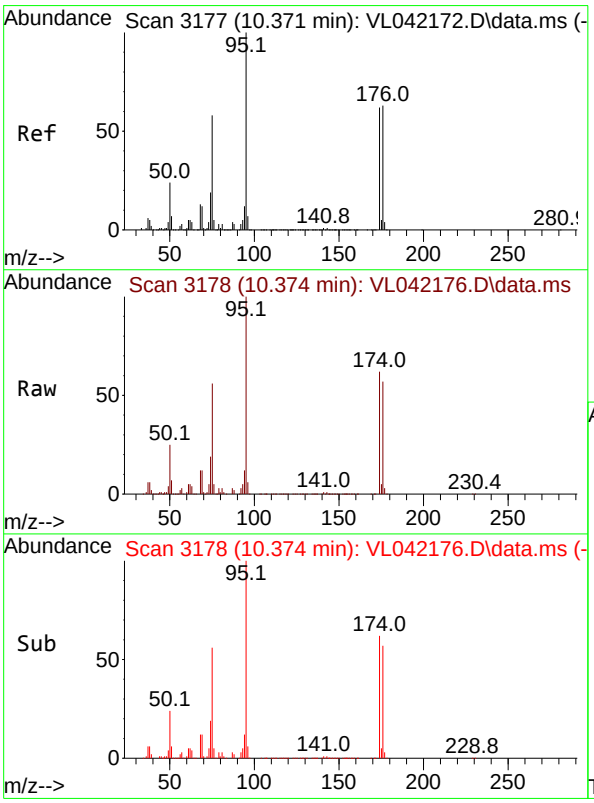
#67
sec-Butylbenzene
Concen: 0.105 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 13775

Ion	Ratio	Lower	Upper
105	100		
134	21.2	15.5	23.3

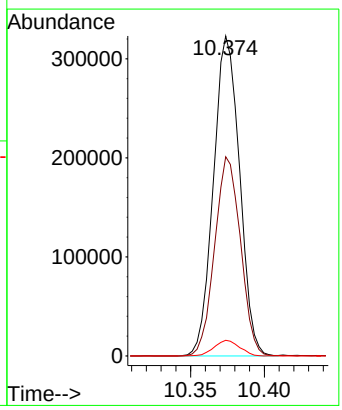


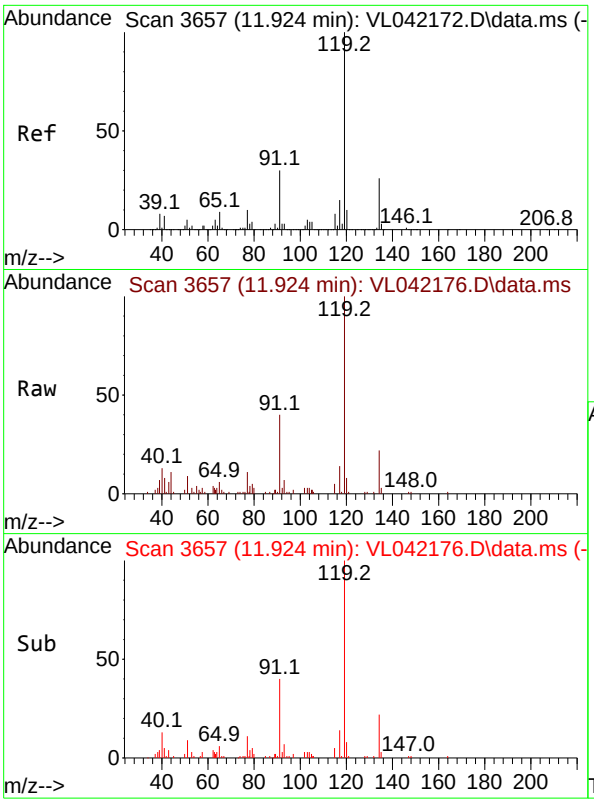


#68
1-Bromo-4-Fluorobenzene
Concen: 10.067 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 95 Resp: 398069

Ion	Ratio	Lower	Upper
95	100		
174	61.5	50.6	76.0
175	4.8	3.8	5.6



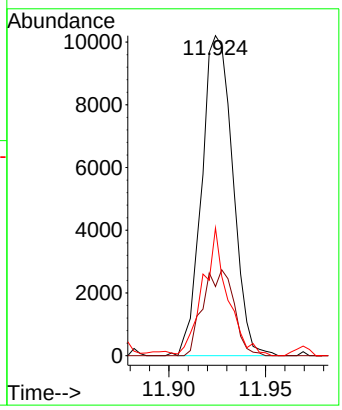


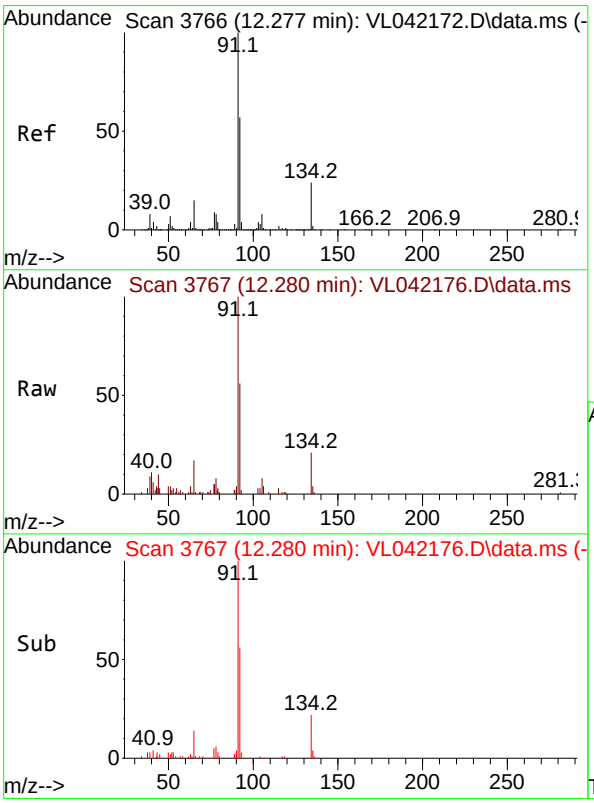
#69
p-Isopropyltoluene
Concen: 0.100 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 11366

Ion	Ratio	Lower	Upper
119	100		
134	26.8	20.4	30.6
91	30.7	23.7	35.5

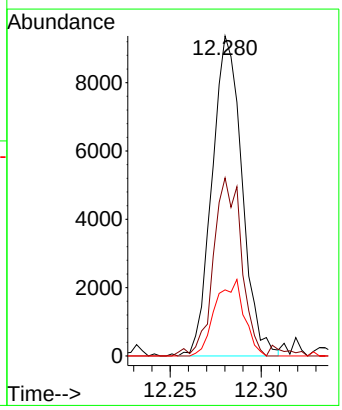


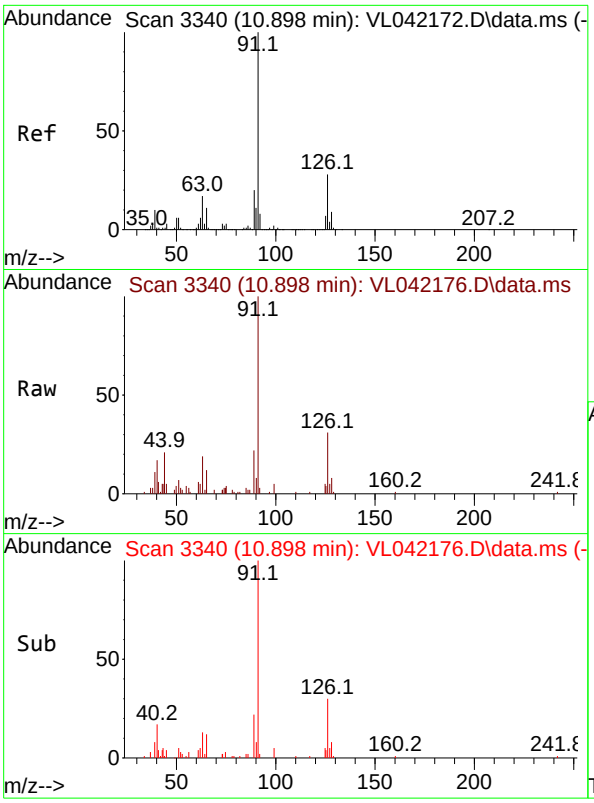


#70
n-Butylbenzene
Concen: 0.092 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion: 91 Resp: 10697

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.9	67.3
134	22.9	19.2	28.8



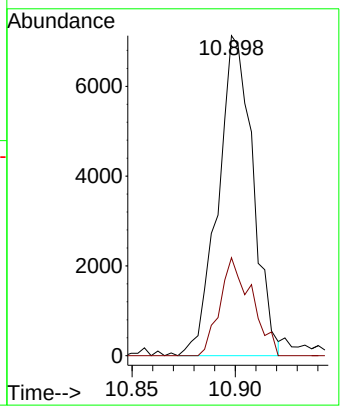


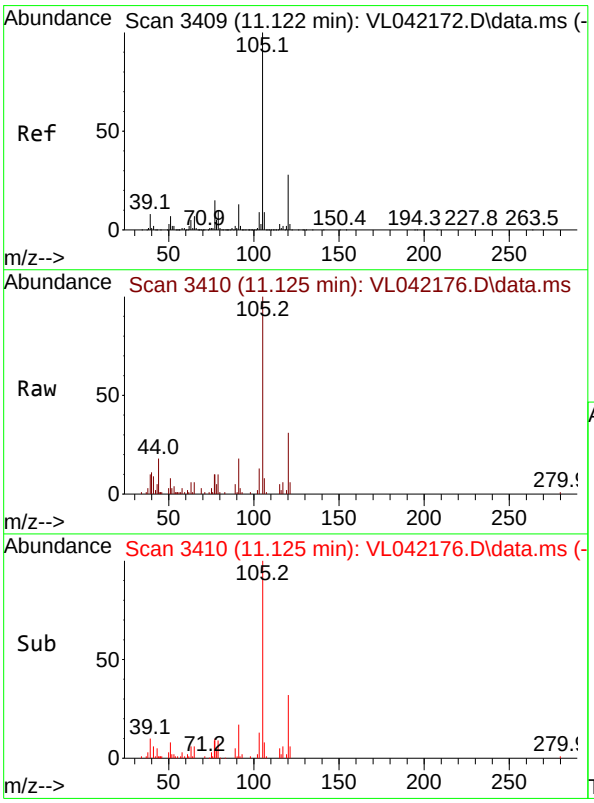
#71
2-Chlorotoluene
Concen: 0.105 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 8347

Ion	Ratio	Lower	Upper
91	100		
126	28.0	11.6	46.4

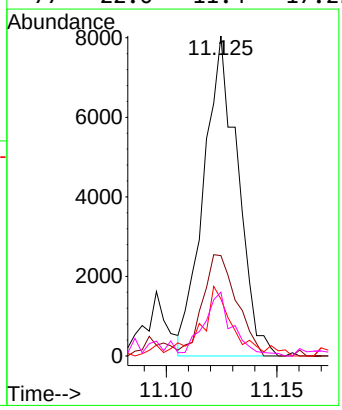


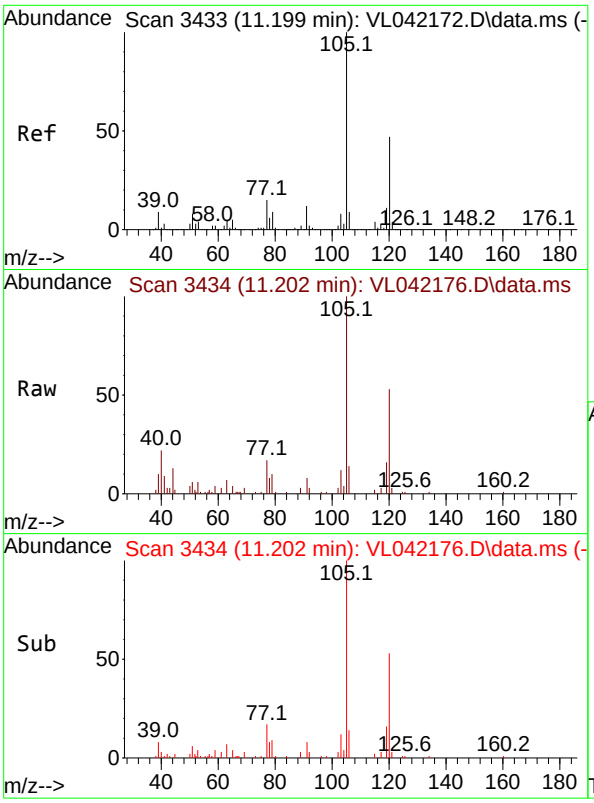


#72
4-Ethyltoluene
Concen: 0.101 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:105 Resp: 8579

Ion	Ratio	Lower	Upper
105	100		
120	36.1	23.4	35.0#
91	21.4	10.3	15.5#
77	22.0	11.4	17.2#



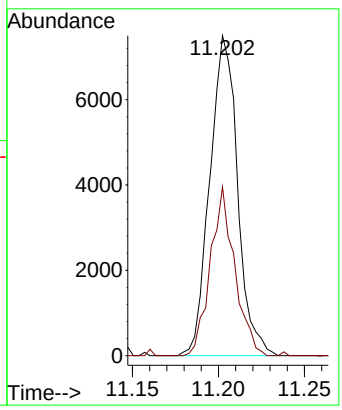


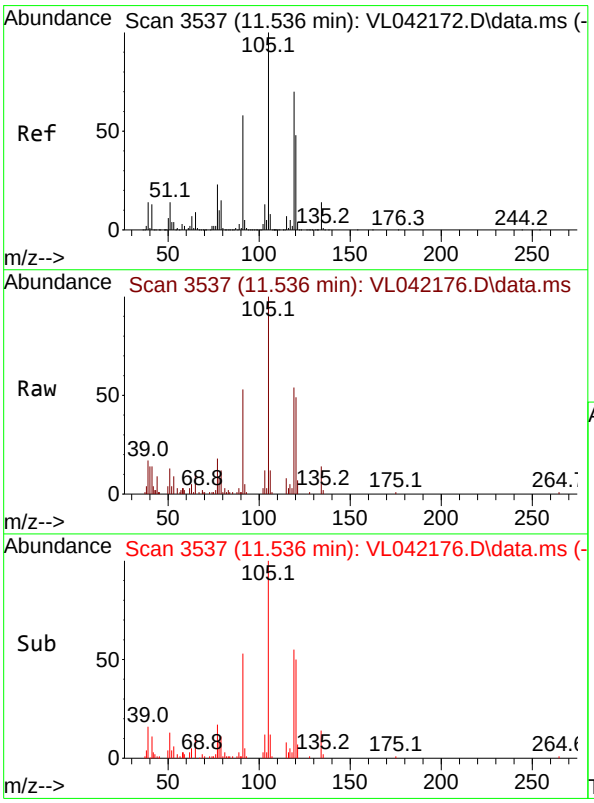
#73
1,3,5-Trimethylbenzene
Concen: 0.113 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 8407

Ion	Ratio	Lower	Upper
105	100		
120	52.7	37.4	56.0

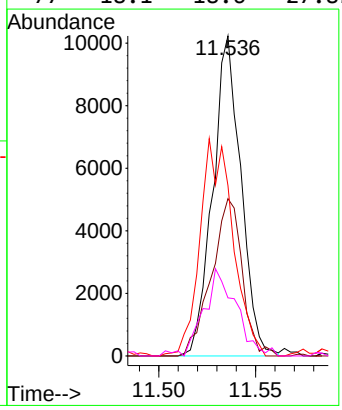


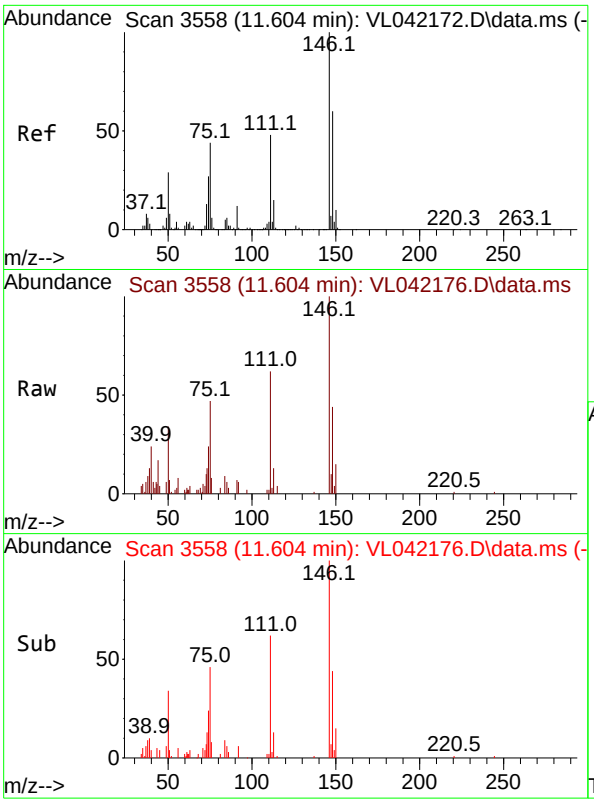


#74
1,2,4-Trimethylbenzene
Concen: 0.121 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:105 Resp: 10341

Ion	Ratio	Lower	Upper
105	100		
120	49.2	38.6	58.0
91	53.2	46.2	69.2
77	18.1	18.6	27.8#



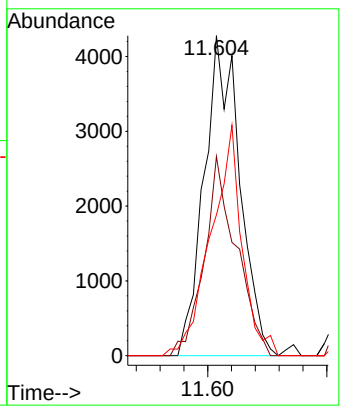


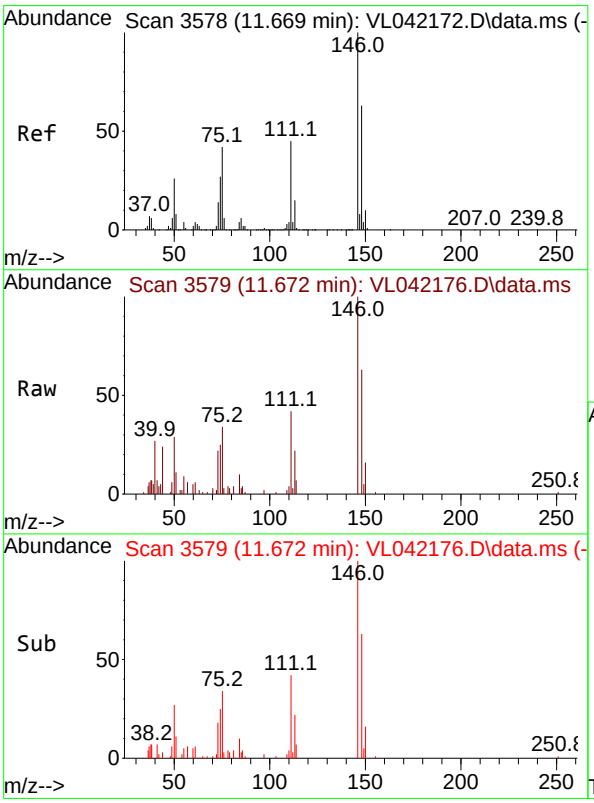
#75
1,3-Dichlorobenzene
Concen: 0.094 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 4426

Ion	Ratio	Lower	Upper
146	100		
111	56.3	23.8	71.2
148	62.9	31.9	95.9

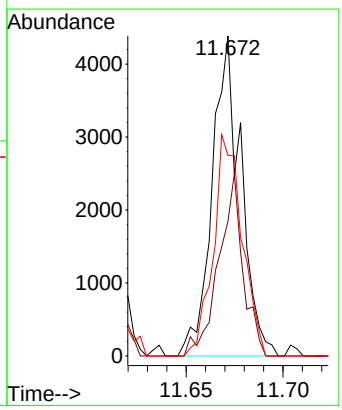


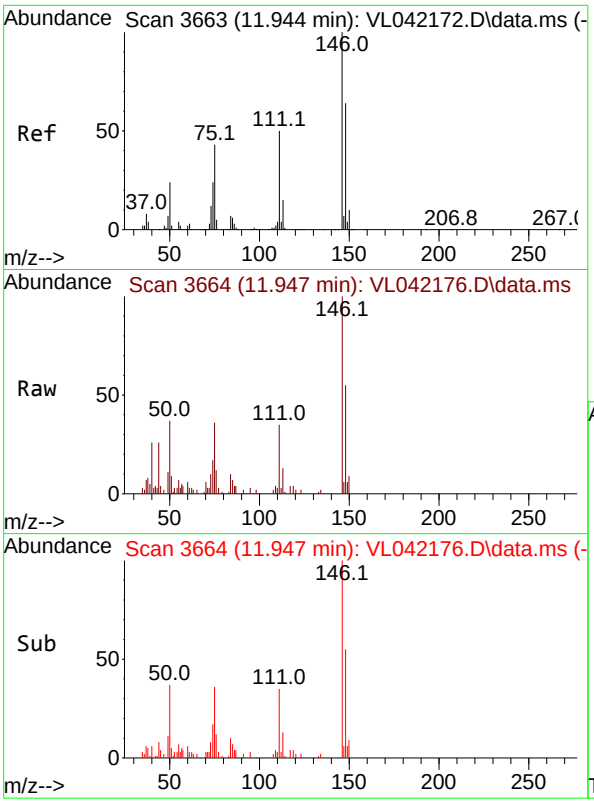


#76
1,4-Dichlorobenzene
Concen: 0.097 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:146 Resp: 4552

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.0	69.0
148	68.6	31.9	95.7



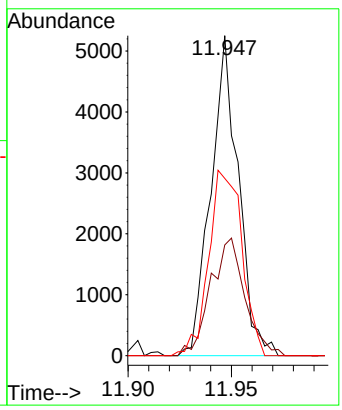


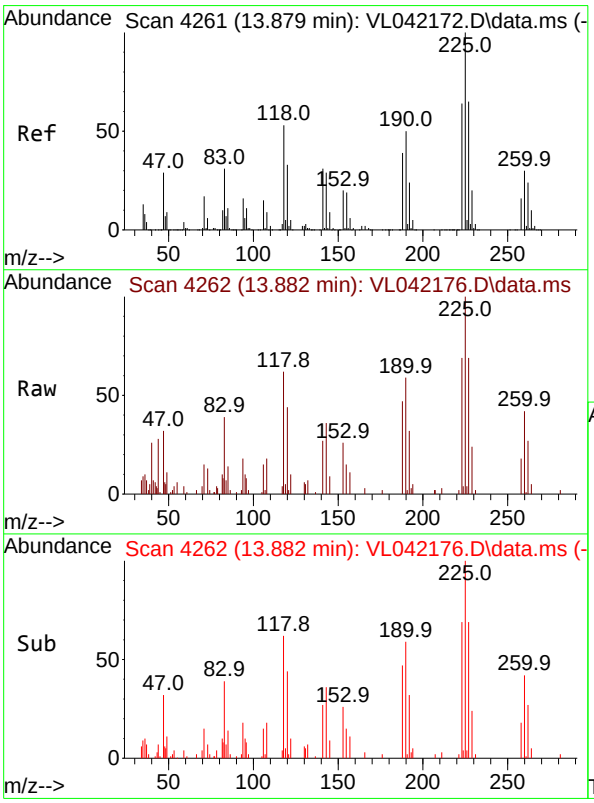
#77
1,2-Dichlorobenzene
Concen: 0.106 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 4867

Ion	Ratio	Lower	Upper
146	100		
111	45.8	24.8	74.3
148	69.7	31.6	94.8

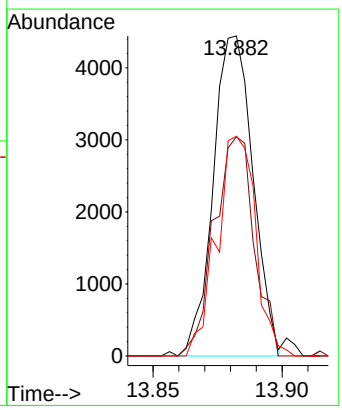


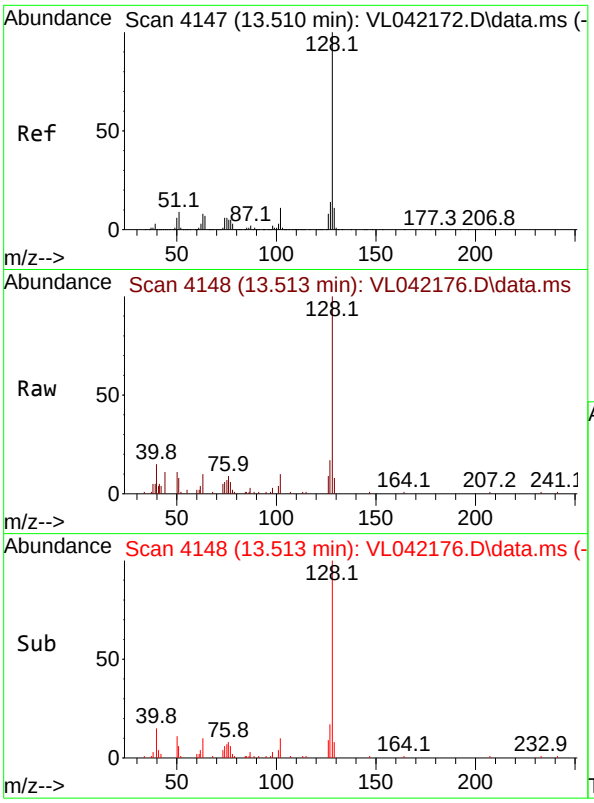


#78
Hexachloro-1,3-Butadiene
Concen: 0.102 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:225 Resp: 4755

Ion	Ratio	Lower	Upper
225	100		
223	68.9	50.6	76.0
227	67.4	51.2	76.8



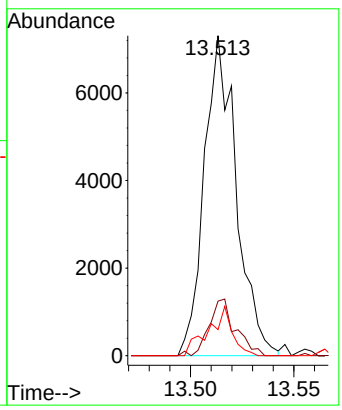


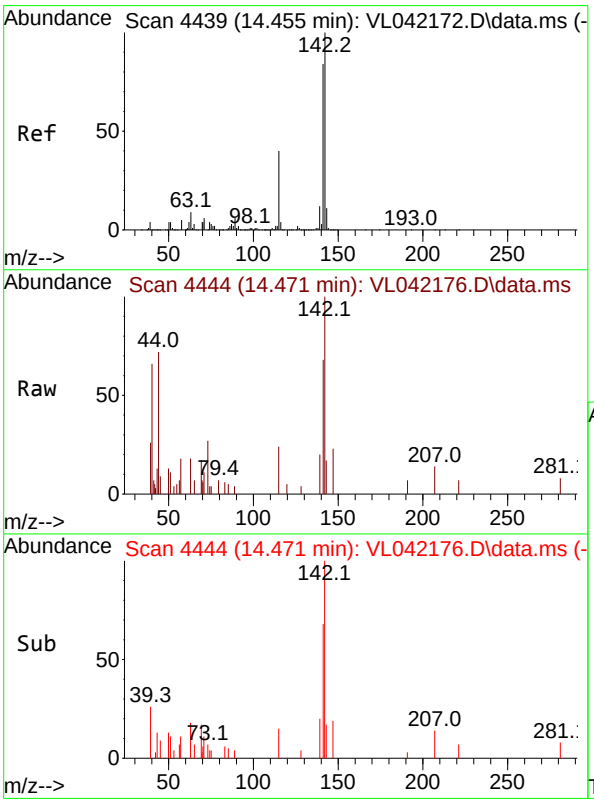
#79
Naphthalene
Concen: 0.084 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 7882

Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.8	16.2#
129	8.1	9.0	13.4#

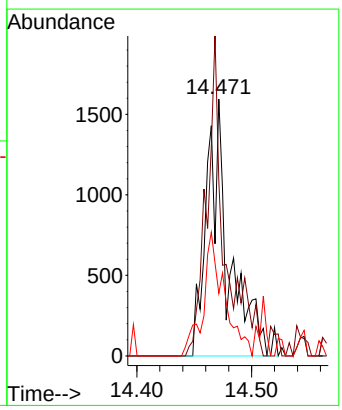


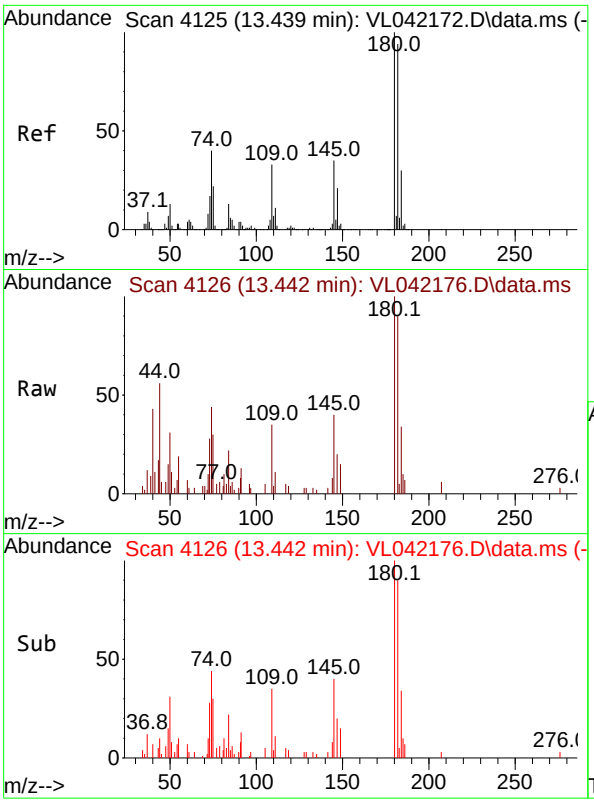


#80
Naphthalene,2-methyl-
Concen: 0.048 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.016 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Tgt Ion:142 Resp: 2174

Ion	Ratio	Lower	Upper
142	100		
141	109.3	66.3	99.5#
115	44.3	31.6	47.4



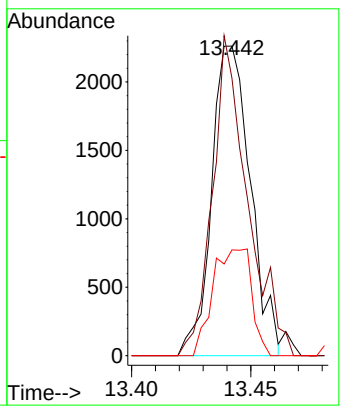


#81
1,2,4-Trichlorobenzene
Concen: 0.059 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 2557

Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.1	112.7
184	34.5	24.4	36.6



Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

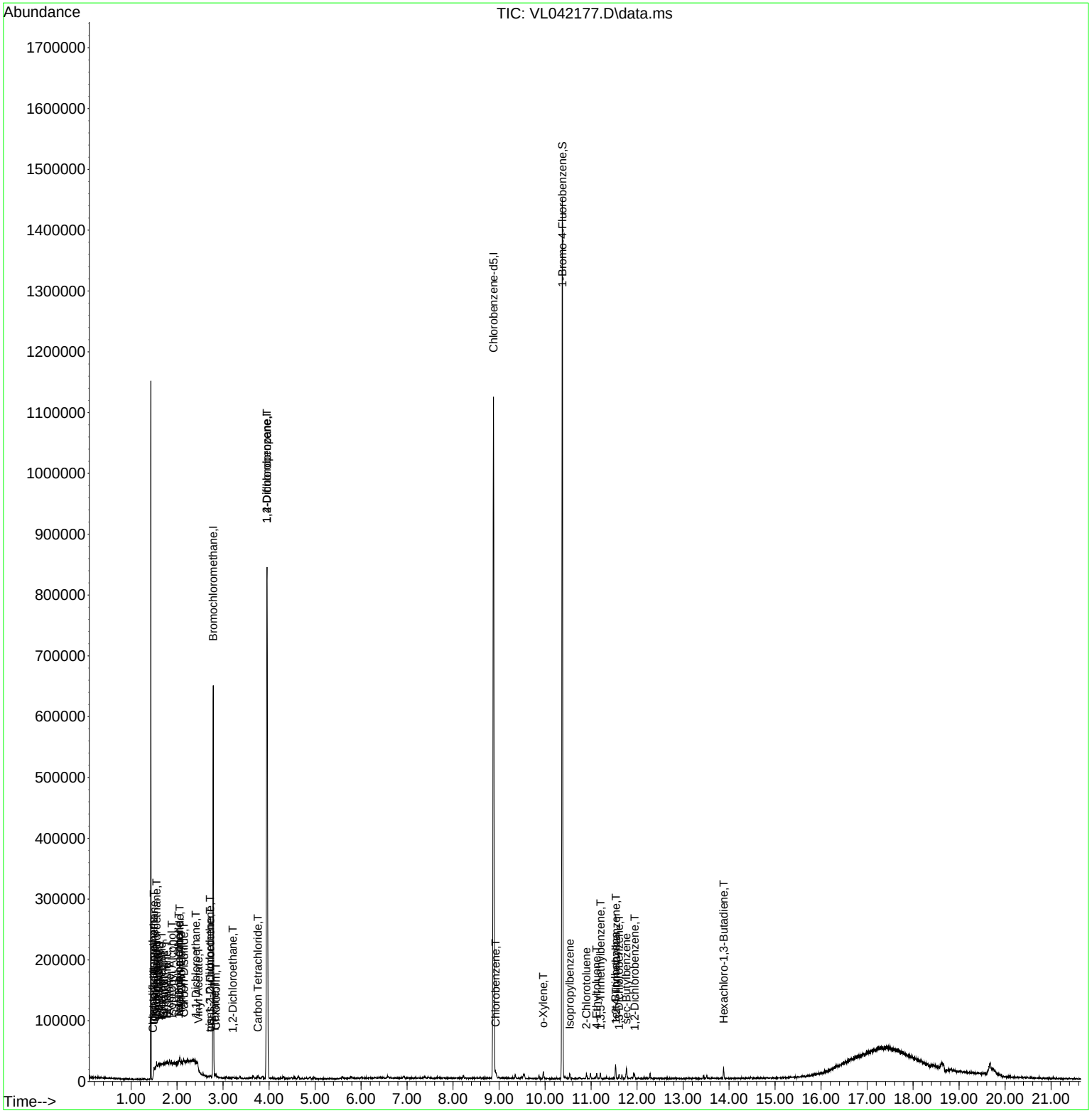
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	178058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	512915	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	475617	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	389935	9.983	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	914	0.035	ppbv #	73
3) Chlorodifluoromethane	1.476	51	1354	0.050	ppbv #	1
4) Chloromethane	1.531	50	675	0.063	ppbv #	86
5) Vinyl Chloride	1.580	62	534	0.049	ppbv #	79
6) Bromomethane	1.670	94	483	0.099	ppbv #	9
7) Chloroethane	1.703	64	361	0.084	ppbv #	45
8) Dichlorotetrafluoroethane	1.554	85	815	0.036	ppbv #	79
13) Ethanol	1.719	45	312	0.329	ppbv #	27
14) Bromoethene	1.780	108	482	0.060	ppbv #	31
15) Acetone	1.835	43	3574	0.144	ppbv #	63
16) 1,3-Butadiene	1.606	39	1101	0.098	ppbv #	57
17) tert-Butyl alcohol	2.043	59	1215	0.039	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	560	0.057	ppbv #	38
19) Isopropyl Alcohol	1.887	45	1071	0.076	ppbv #	30
20) Methylene Chloride	2.059	84	1823	0.197	ppbv #	91
21) Allyl Chloride	2.091	41	1518	0.086	ppbv #	29
22) trans-1,2-Dichloroethene	2.719	96	586	0.051	ppbv	96
23) Vinyl Acetate	2.463	43	689	0.067	ppbv #	1
24) 1,1-Dichloroethane	2.412	63	961	0.046	ppbv #	72
26) Hexane	2.819	57	1040	0.042	ppbv #	46
27) Carbon Disulfide	2.149	76	1061	0.040	ppbv #	1
29) Chloroform	2.848	83	1619	0.044	ppbv	92
31) cis-1,2-Dichloroethene	2.719	61	846	0.033	ppbv	92
35) Carbon Tetrachloride	3.758	117	1520	0.039	ppbv #	42
37) 1,2-Dichloroethane	3.214	62	1029	0.035	ppbv #	88
39) 1,2-Dichloropropane	3.955	63	136518	7.372	ppbv #	23
57) Chlorobenzene	8.924	112	1382	0.031	ppbv #	61
60) o-Xylene	9.959	91	2844	0.042	ppbv	96
62) Isopropylbenzene	10.535	105	3380	0.033	ppbv	95
65) tert-Butylbenzene	11.529	119	3543	0.038	ppbv	98
67) sec-Butylbenzene	11.765	105	4317	0.033	ppbv	92
71) 2-Chlorotoluene	10.898	91	2666	0.034	ppbv	97
72) 4-Ethyltoluene	11.121	105	3017	0.036	ppbv #	64
73) 1,3,5-Trimethylbenzene	11.205	105	3101	0.042	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	5313	0.063	ppbv #	73
75) 1,3-Dichlorobenzene	11.607	146	1577	0.034	ppbv	90
77) 1,2-Dichlorobenzene	11.947	146	1591	0.035	ppbv	92
78) Hexachloro-1,3-Butadiene	13.882	225	1821	0.040	ppbv	94

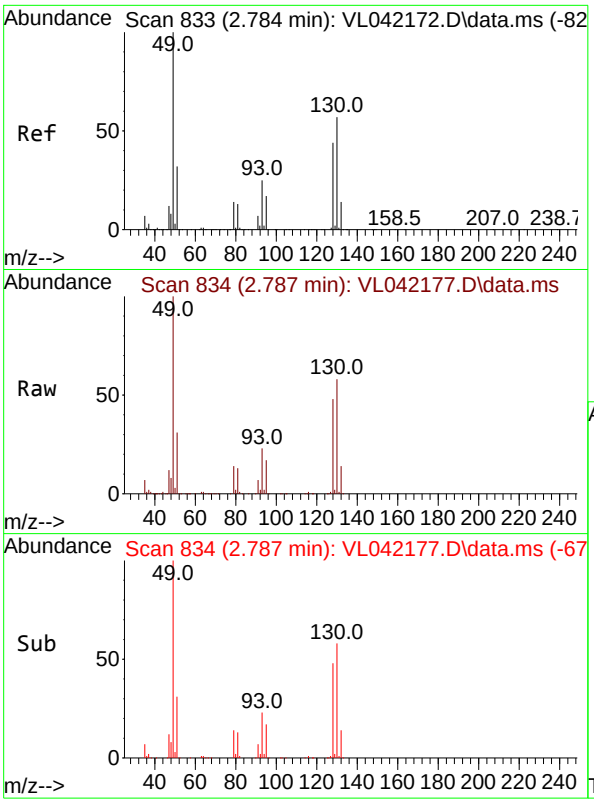
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration



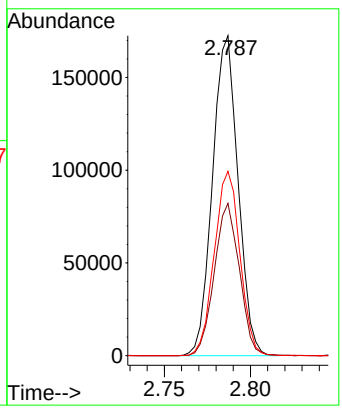


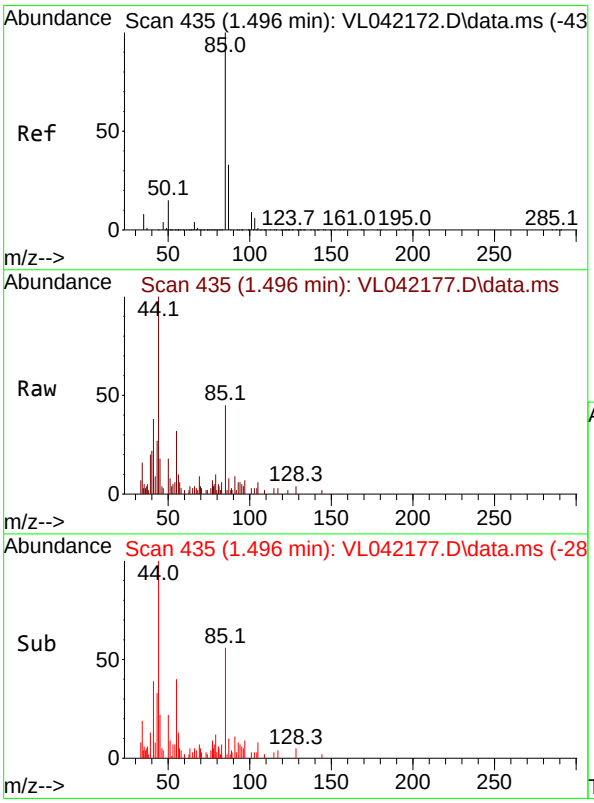
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 178058

Ion	Ratio	Lower	Upper
49	100		
128	46.8	22.9	68.5
130	57.9	28.8	86.4

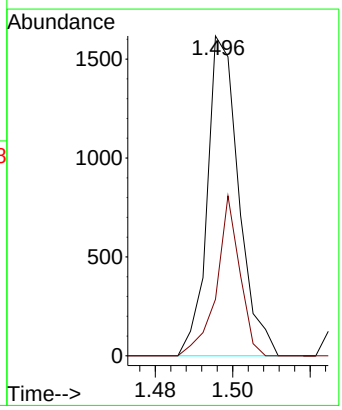


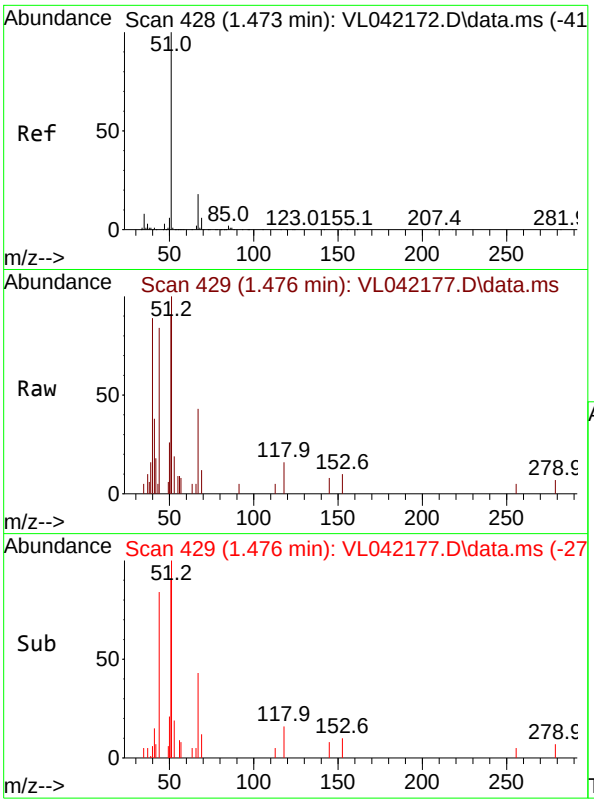


#2
Dichlorodifluoromethane
Concen: 0.035 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 85 Resp: 914

Ion	Ratio	Lower	Upper
85	100		
87	17.7	26.1	39.1#



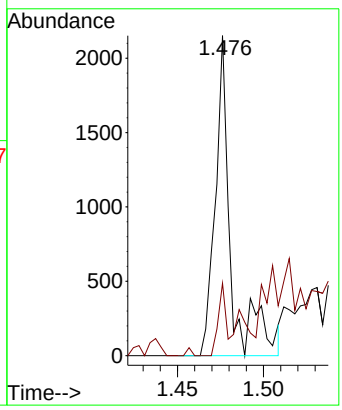


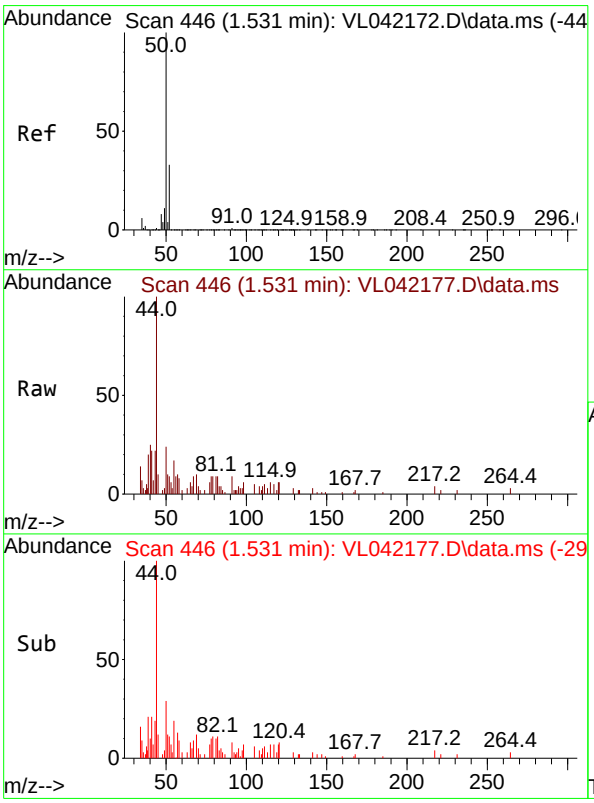
#3
Chlorodifluoromethane
Concen: 0.050 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 1354

Ion	Ratio	Lower	Upper
51	100		
67	71.0	15.0	22.6#

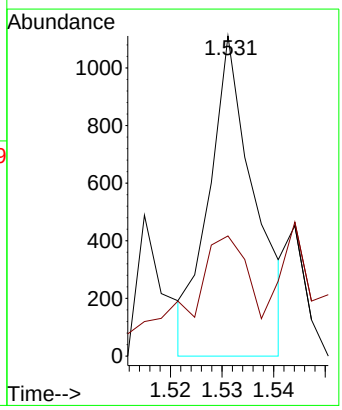


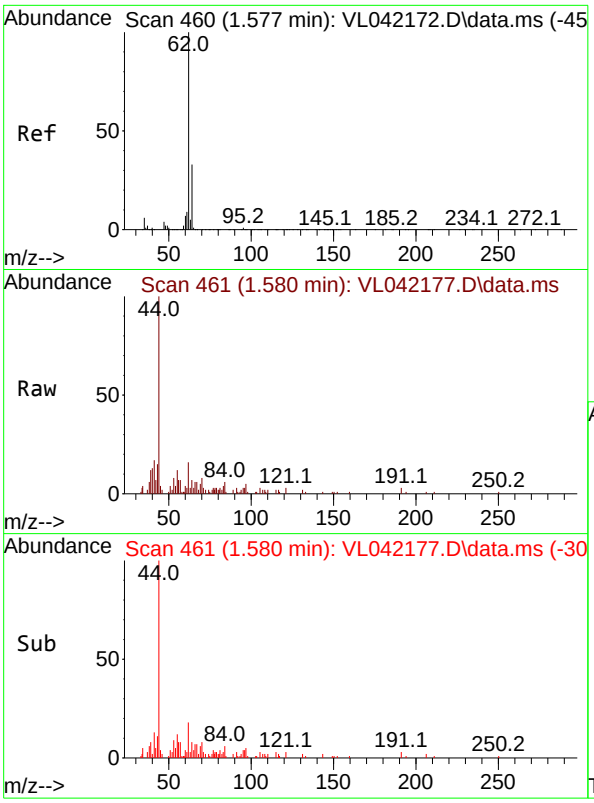


#4
Chloromethane
Concen: 0.063 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 50 Resp: 675

Ion	Ratio	Lower	Upper
50	100		
52	24.6	26.1	39.1#



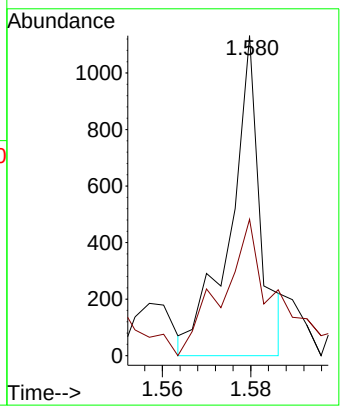


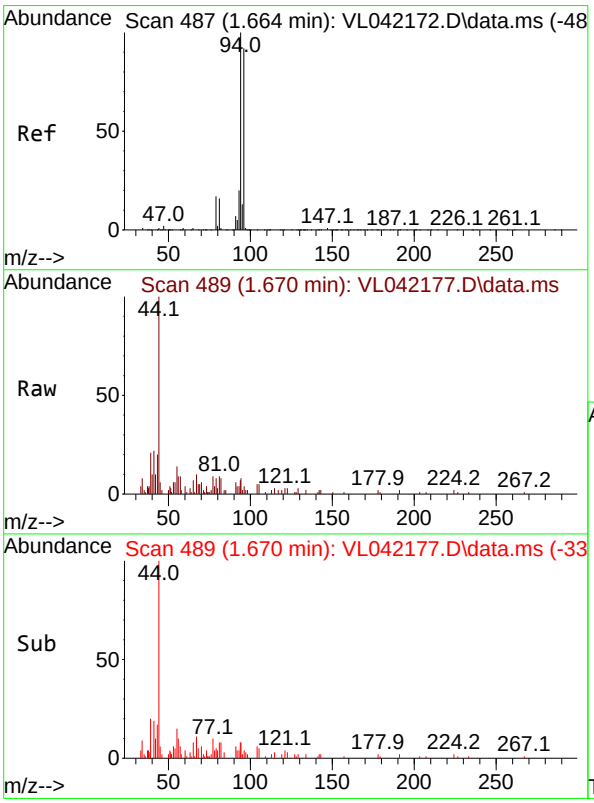
#5
Vinyl Chloride
Concen: 0.049 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 534

Ion	Ratio	Lower	Upper
62	100		
64	45.4	26.6	40.0#

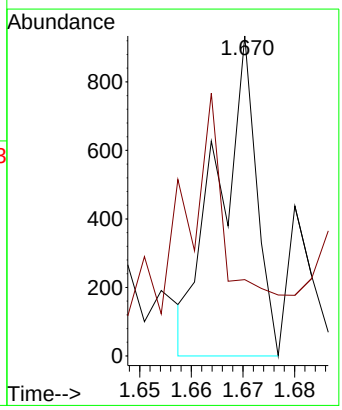


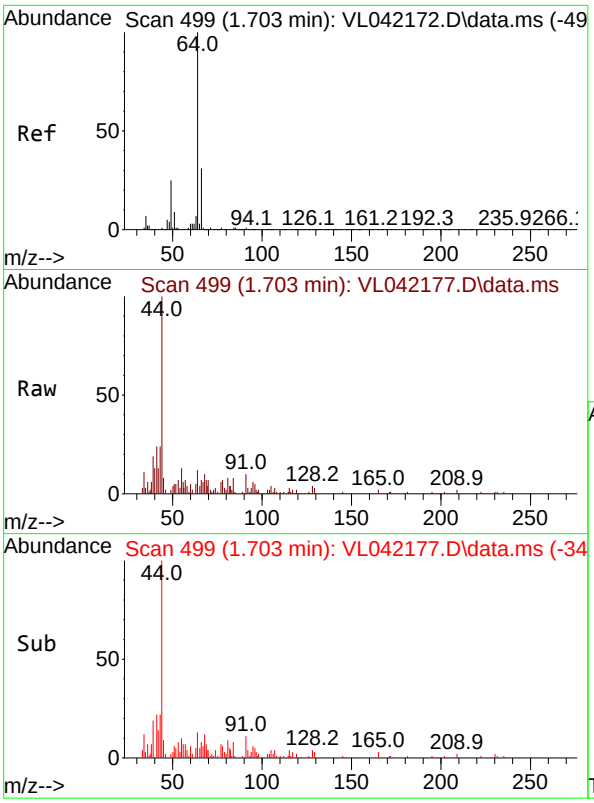


#6
Bromomethane
Concen: 0.099 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 94 Resp: 483

Ion	Ratio	Lower	Upper
94	100		
96	4.8	73.1	109.7#



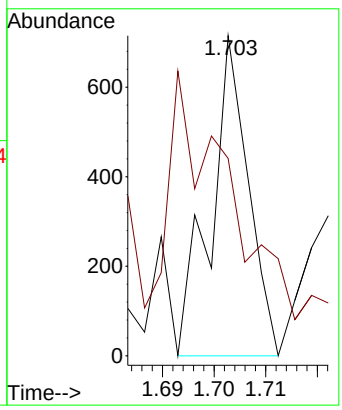


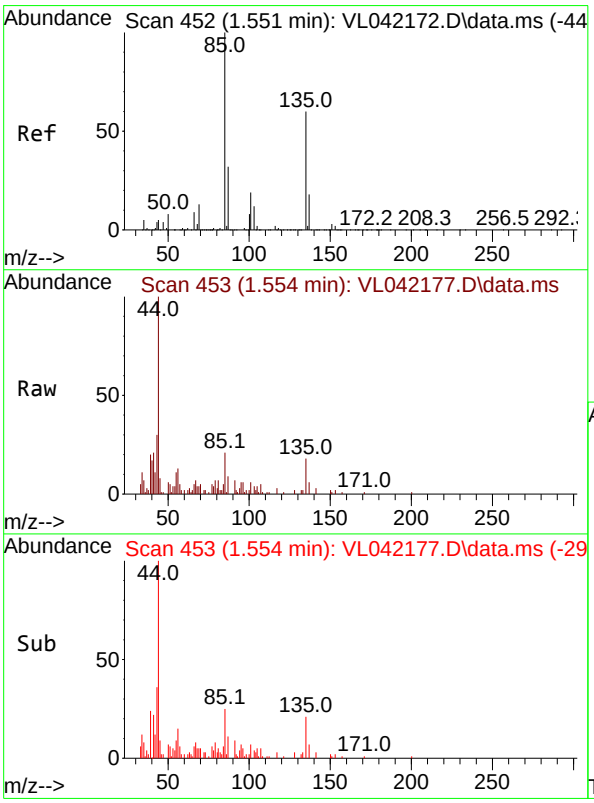
#7
Chloroethane
Concen: 0.084 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 361

Ion	Ratio	Lower	Upper
64	100		
66	61.7	25.2	37.8#

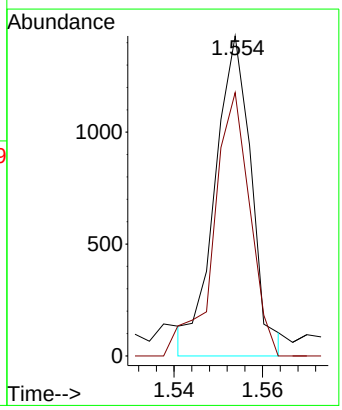


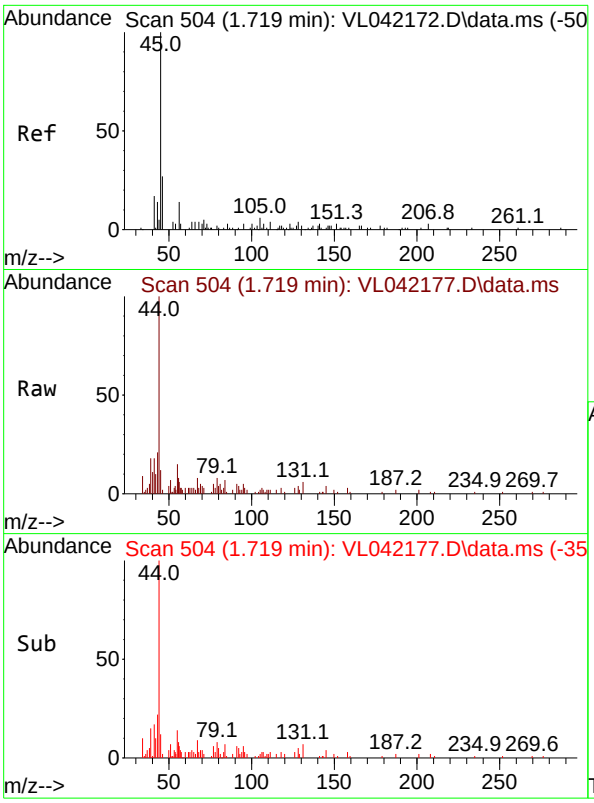


#8
Dichlorotetrafluoroethane
Concen: 0.036 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 85 Resp: 815

Ion	Ratio	Lower	Upper
85	100		
135	82.3	52.4	78.6#



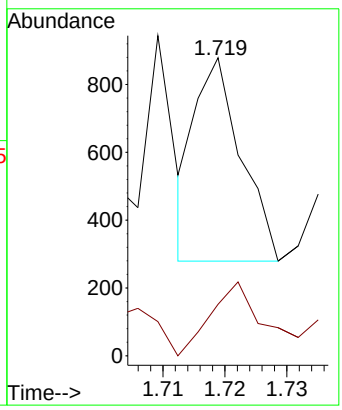


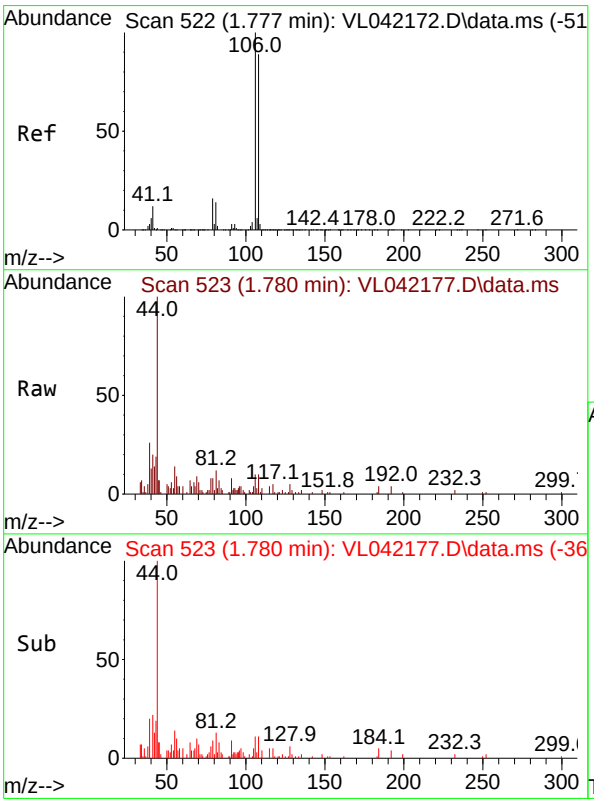
#13
Ethanol
Concen: 0.329 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 312

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#

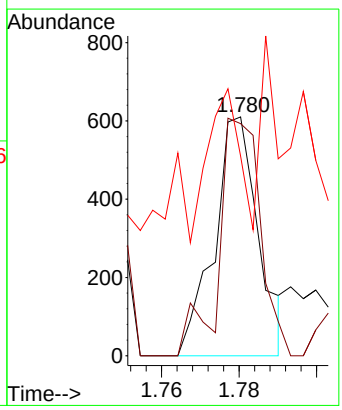


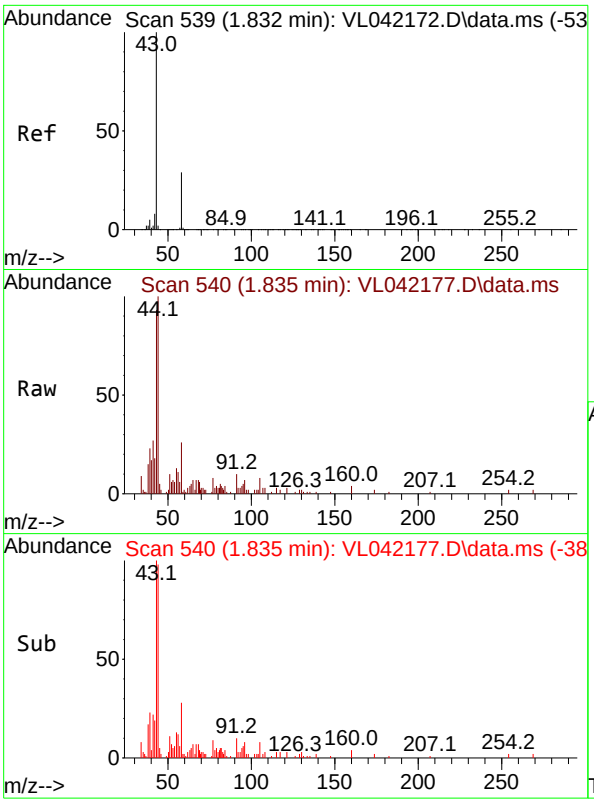


#14
Bromoethene
Concen: 0.060 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:108 Resp: 482

Ion	Ratio	Lower	Upper
108	100		
106	100.4	86.8	130.2
79	208.5	15.0	22.6#



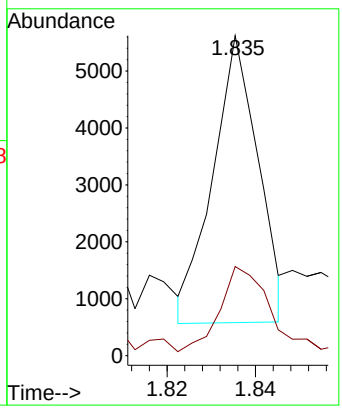


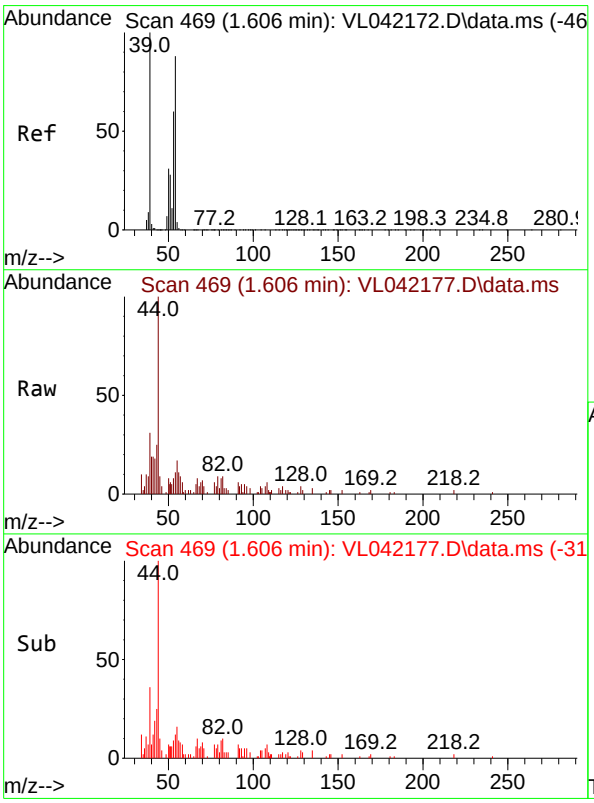
#15
Acetone
Concen: 0.144 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 3574

Ion	Ratio	Lower	Upper
43	100		
58	48.5	23.2	34.8#

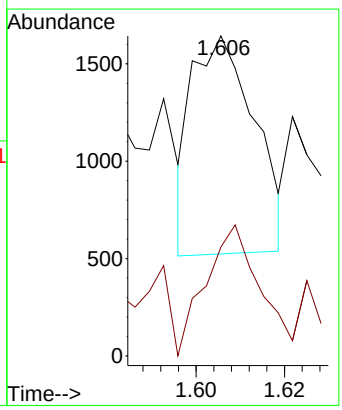


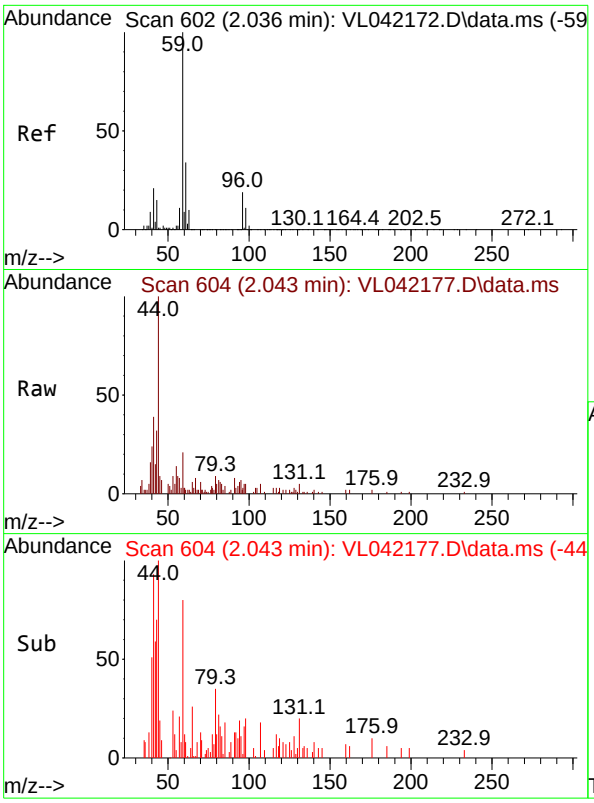


#16
1,3-Butadiene
Concen: 0.098 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 39 Resp: 1101

Ion	Ratio	Lower	Upper
39	100		
54	113.1	60.7	91.1#



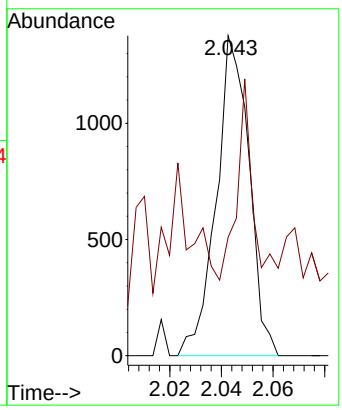


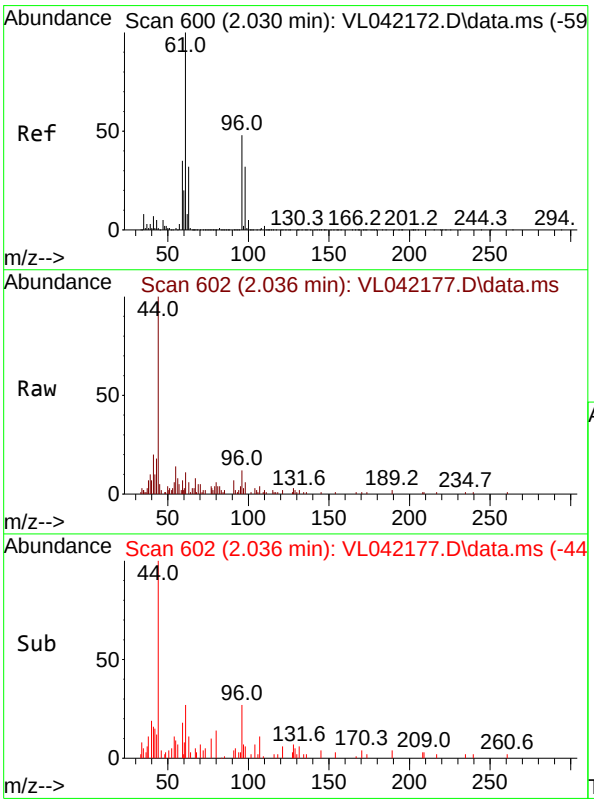
#17
tert-Butyl alcohol
Concen: 0.039 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 1215

Ion	Ratio	Lower	Upper
59	100		
57	107.2	8.9	13.3#

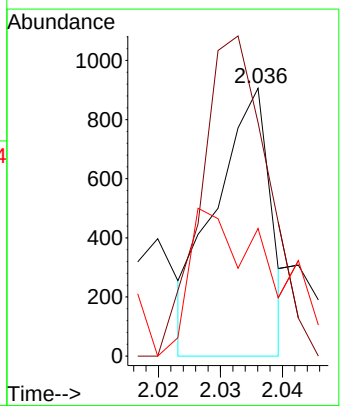


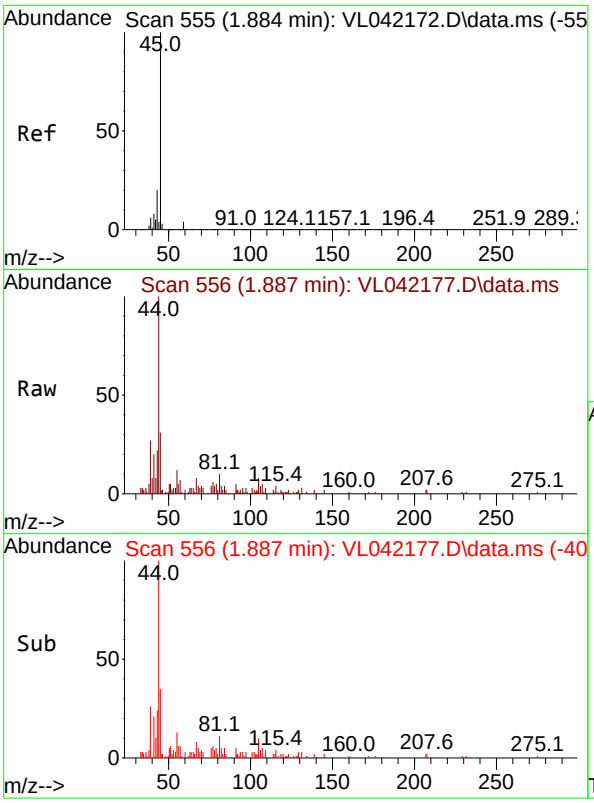


#18
1,1-Dichloroethene
Concen: 0.057 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 96 Resp: 560

Ion	Ratio	Lower	Upper
96	100		
61	87.3	167.6	251.4#
98	56.8	53.5	80.3



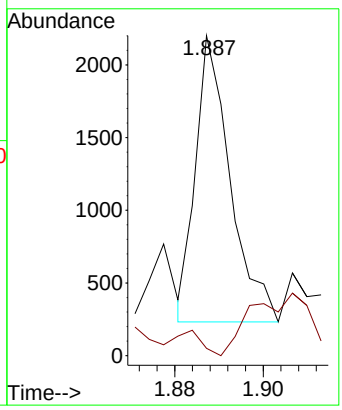


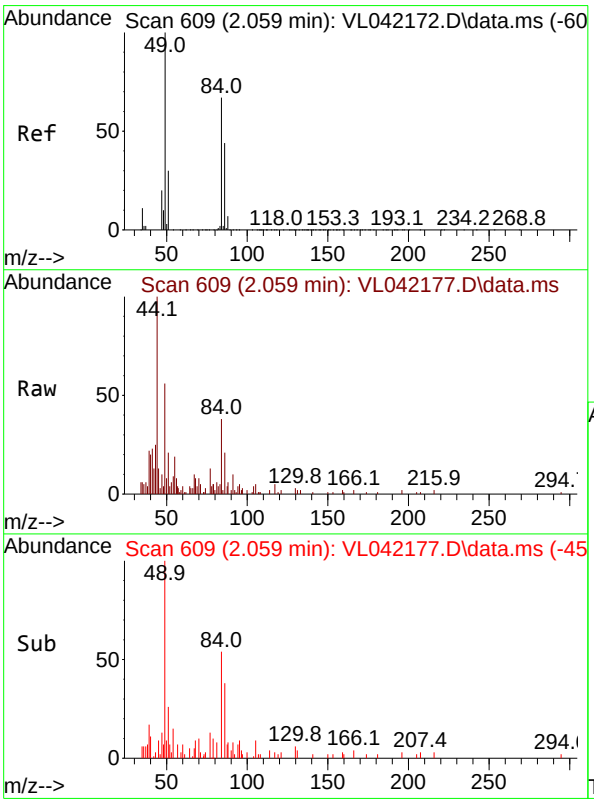
#19
Isopropyl Alcohol
Concen: 0.076 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 1071

Ion	Ratio	Lower	Upper
45	100		
58	0.0	36.9	55.3#

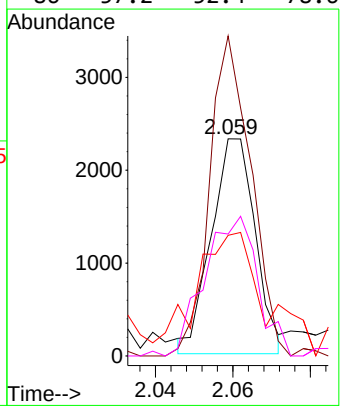


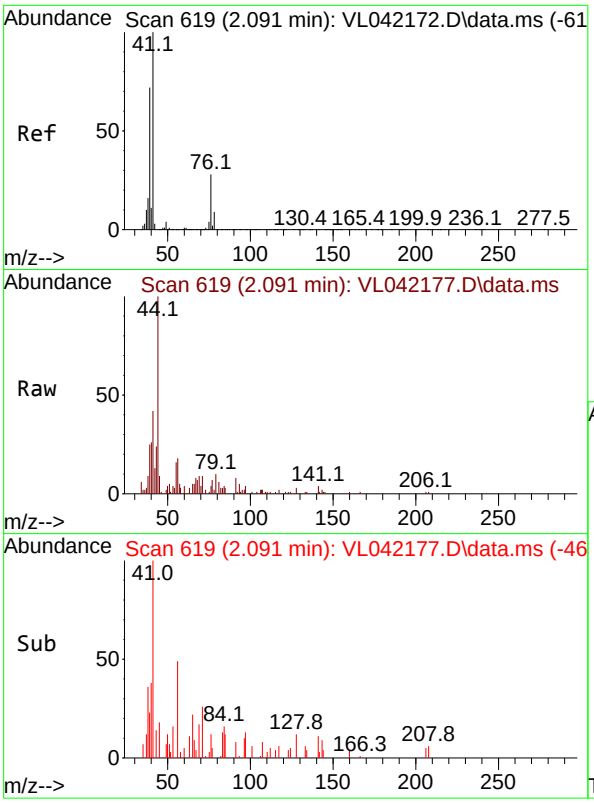


#20
Methylene Chloride
Concen: 0.197 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 84 Resp: 1823

Ion	Ratio	Lower	Upper
84	100		
49	156.6	120.2	180.4
51	34.6	37.4	56.0#
86	57.2	52.4	78.6



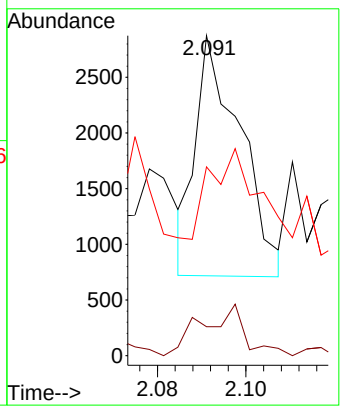


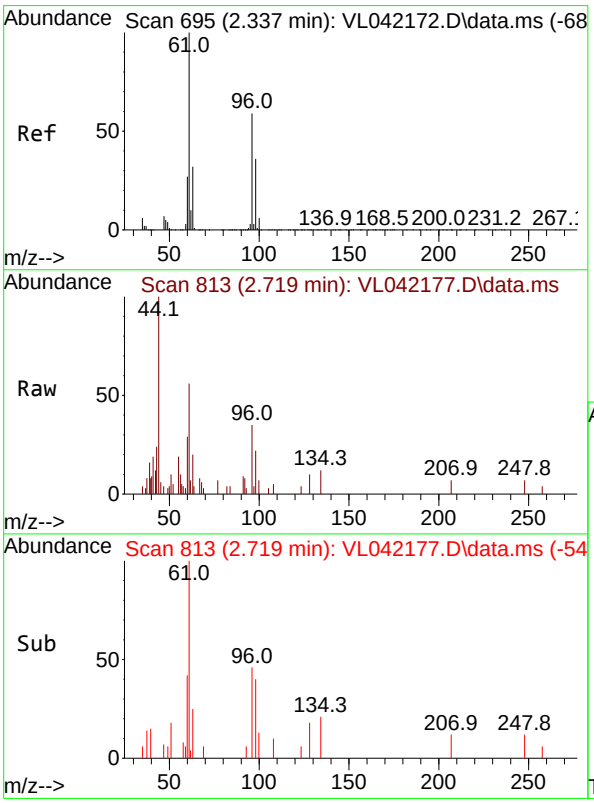
#21
Allyl Chloride
Concen: 0.086 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 1518

Ion	Ratio	Lower	Upper
41	100		
76	25.9	24.1	36.1
39	158.8	61.1	91.7#

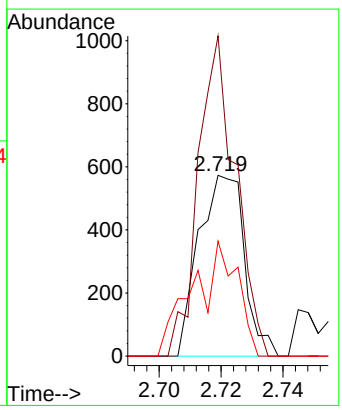


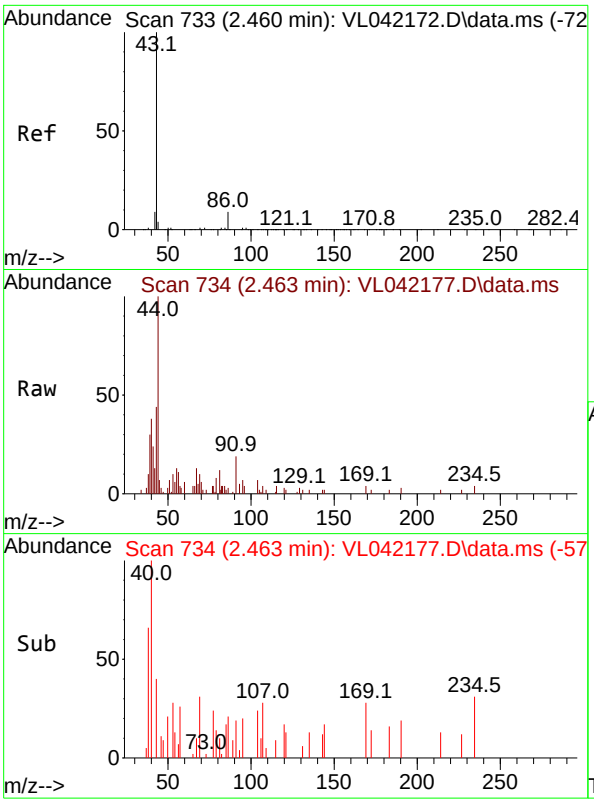


#22
trans-1,2-Dichloroethene
Concen: 0.051 ppbv
RT: 2.719 min Scan# 813
Delta R.T. 0.382 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 96 Resp: 586

Ion	Ratio	Lower	Upper
96	100		
61	177.1	136.6	204.8
98	63.5	49.4	74.2



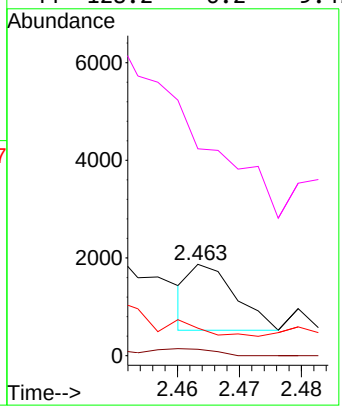


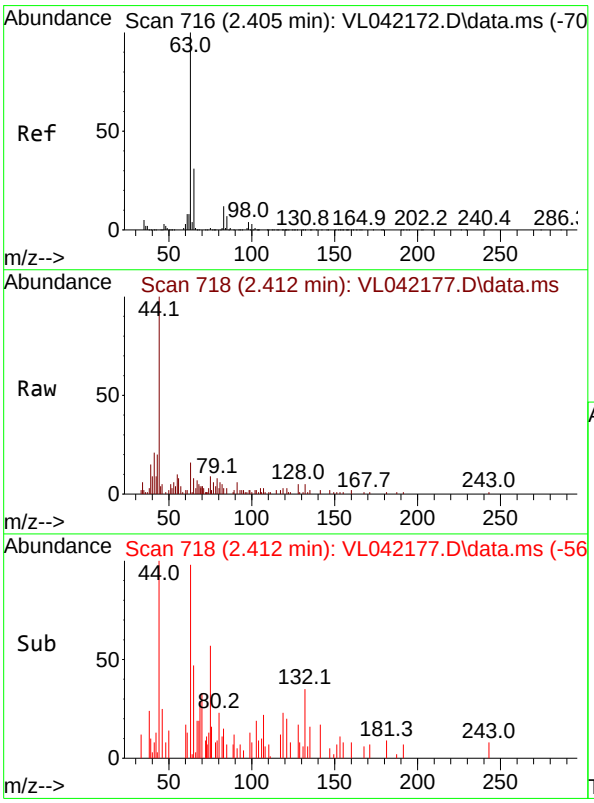
#23
Vinyl Acetate
Concen: 0.067 ppbv
RT: 2.463 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 689

Ion	Ratio	Lower	Upper
43	100		
86	9.7	5.5	8.3#
42	6.8	8.6	13.0#
44	128.2	6.2	9.4#

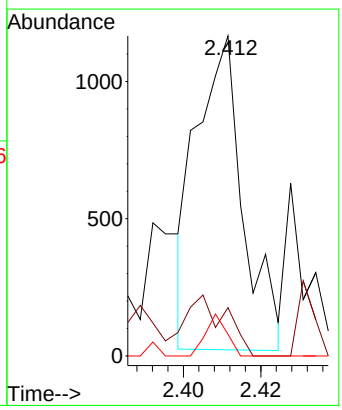


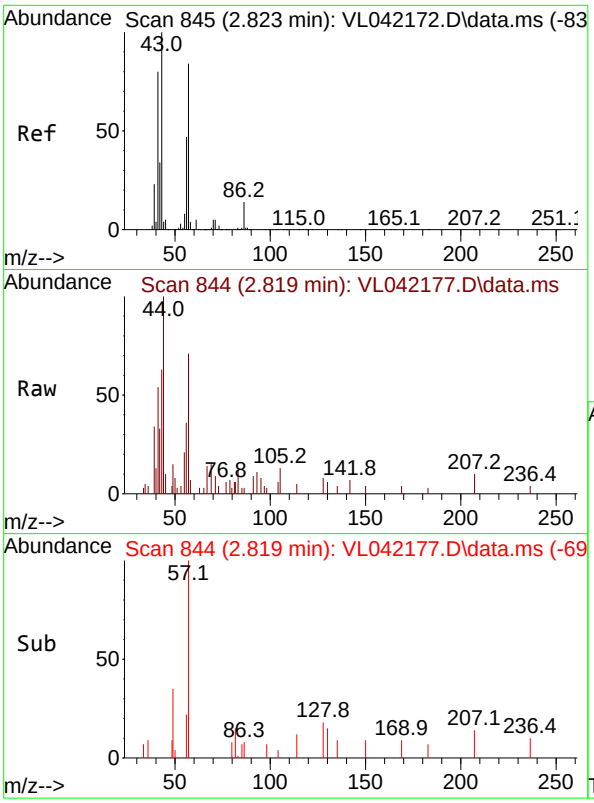


#24
1,1-Dichloroethane
Concen: 0.046 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 63 Resp: 961

Ion	Ratio	Lower	Upper
63	100		
98	16.8	2.3	6.8#
100	7.6	1.6	4.7#



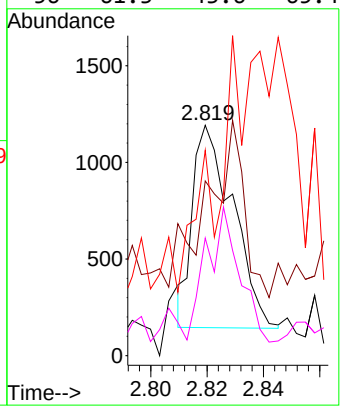


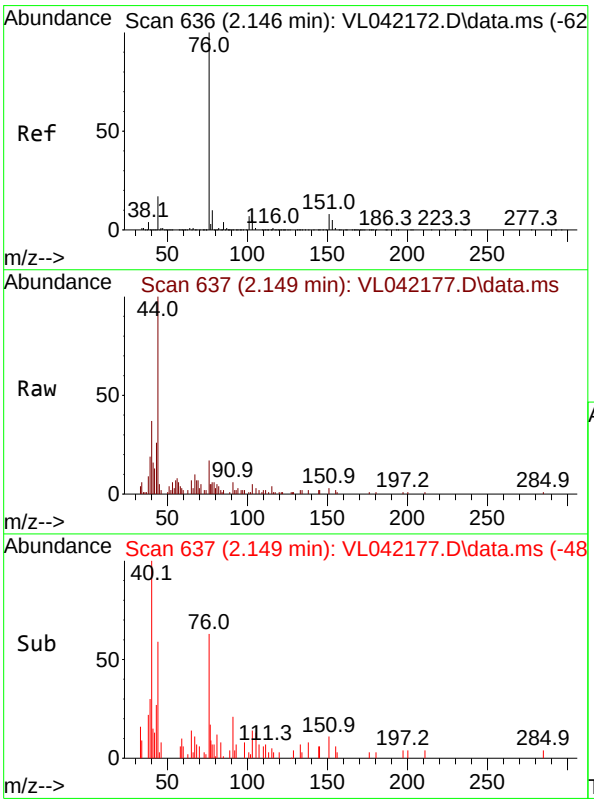
#26
Hexane
Concen: 0.042 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 57 Resp: 1040

Ion	Ratio	Lower	Upper
57	100		
41	179.4	76.6	114.8#
43	351.5	207.8	311.8#
56	61.3	43.6	65.4

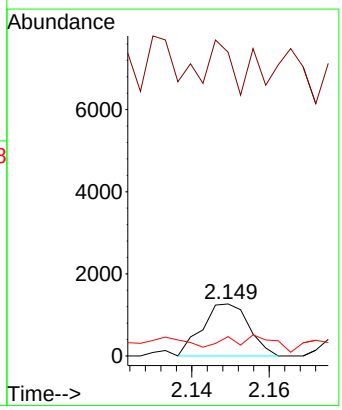


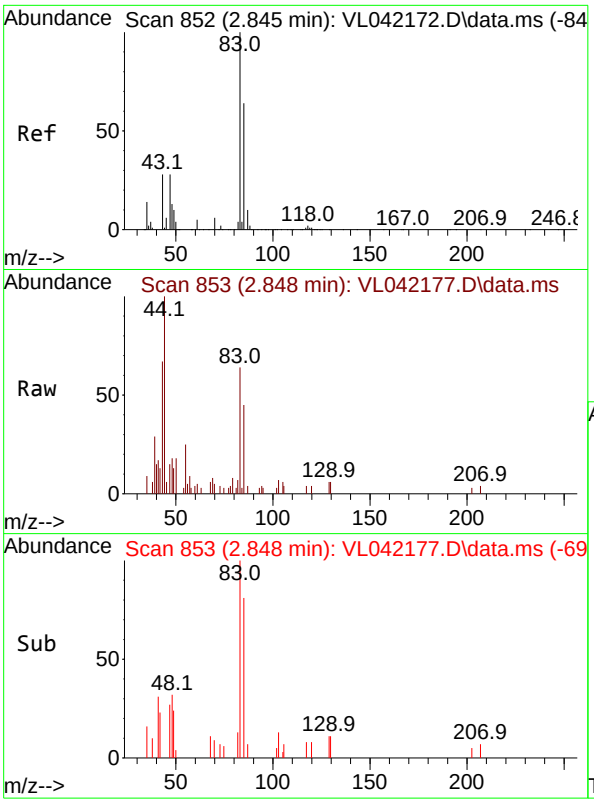


#27
Carbon Disulfide
Concen: 0.040 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 76 Resp: 1061

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.7	22.1#
78	112.4	9.3	13.9#



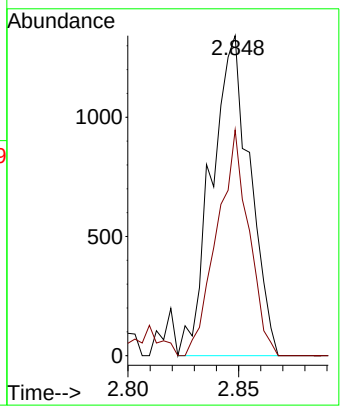


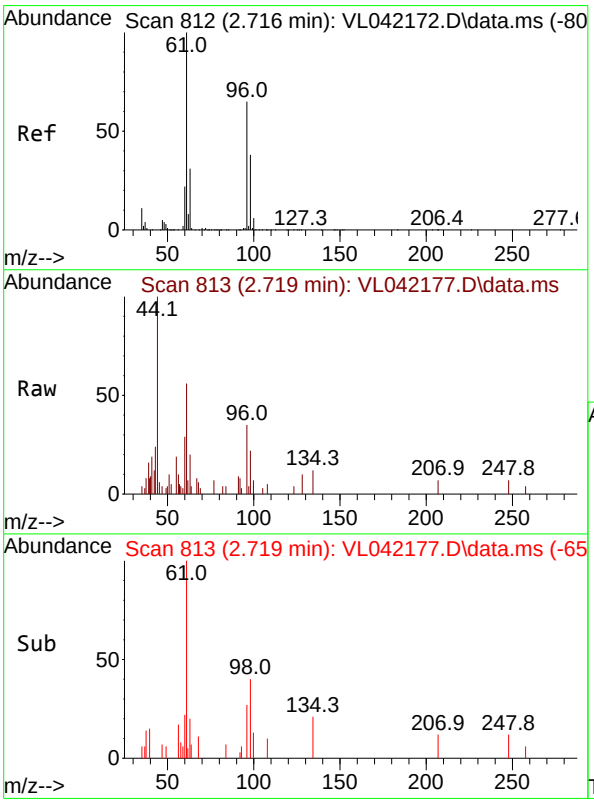
#29
Chloroform
Concen: 0.044 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 1619

Ion	Ratio	Lower	Upper
83	100		
85	70.6	51.4	77.2

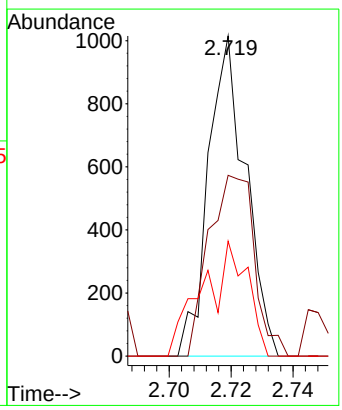


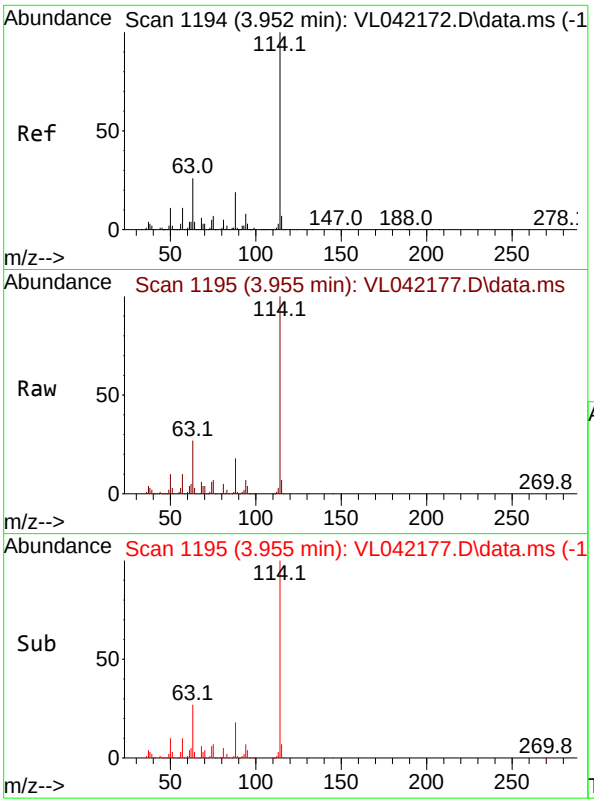


#31
cis-1,2-Dichloroethene
Concen: 0.033 ppbv
RT: 2.719 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 61 Resp: 846

Ion	Ratio	Lower	Upper
61	100		
96	56.5	51.8	77.8
98	35.9	30.6	46.0



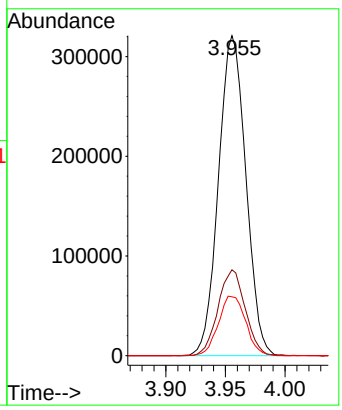


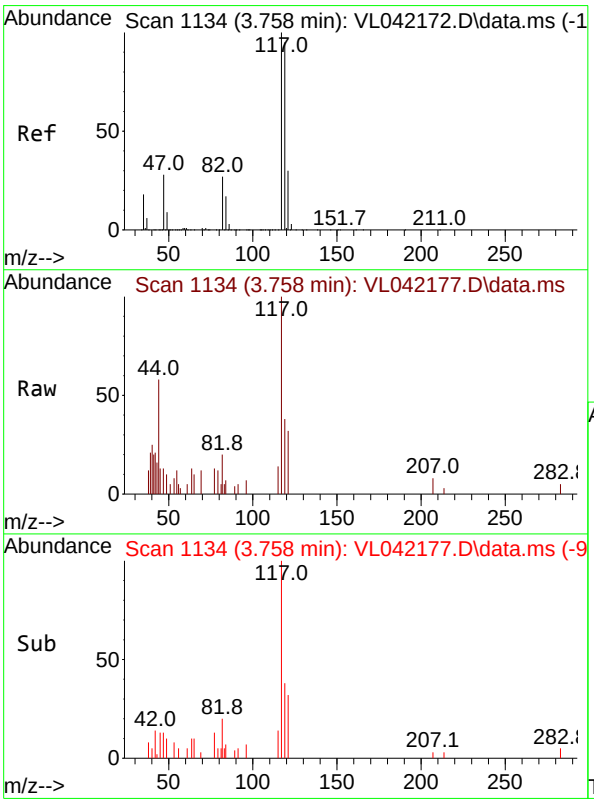
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 512915

Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.7	31.1
88	18.6	15.0	22.4

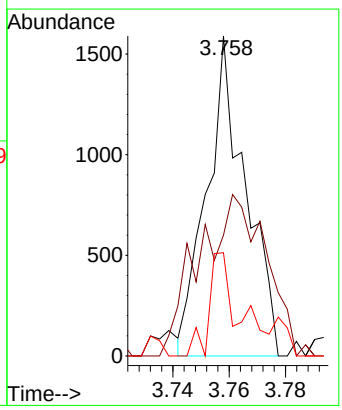


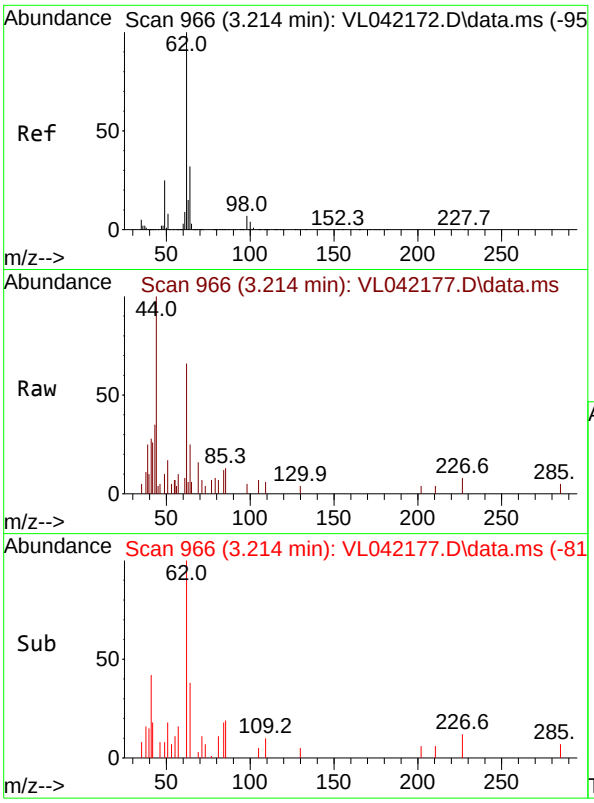


#35
Carbon Tetrachloride
Concen: 0.039 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:117 Resp: 1520

Ion	Ratio	Lower	Upper
117	100		
119	22.1	76.2	114.2#
121	32.3	24.2	36.4



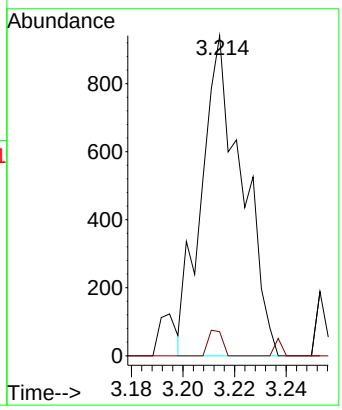


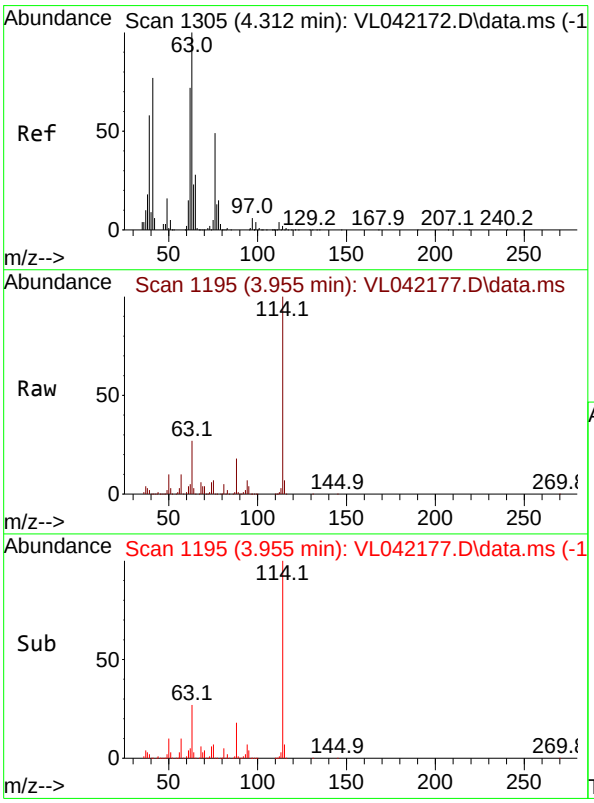
#37
1,2-Dichloroethane
Concen: 0.035 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 1029

Ion	Ratio	Lower	Upper
62	100		
98	2.7	5.4	8.2#

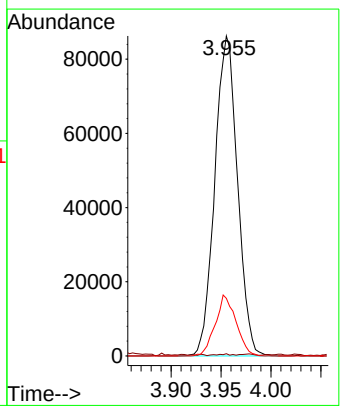


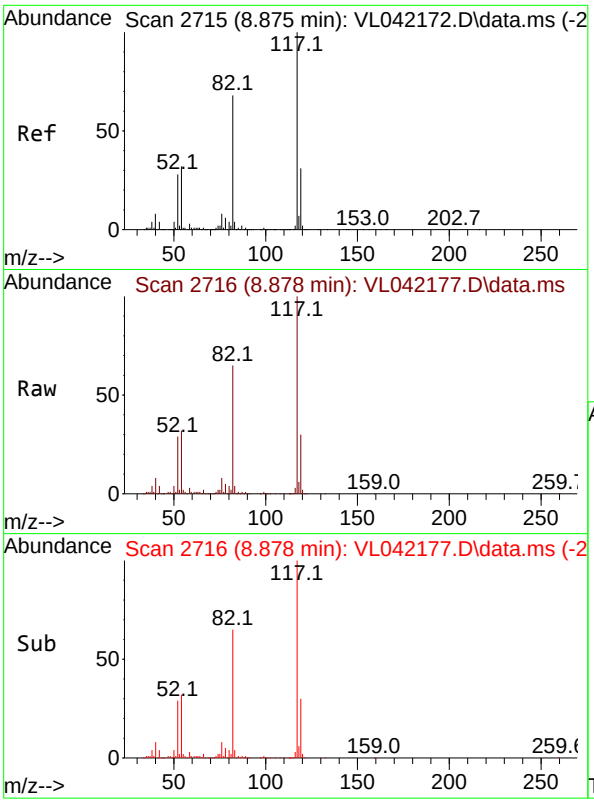


#39
1,2-Dichloropropane
Concen: 7.372 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.356 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 63 Resp: 136518

Ion	Ratio	Lower	Upper
63	100		
41	0.4	61.7	92.5#
62	18.0	57.6	86.4#



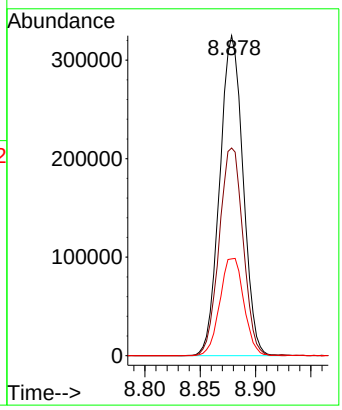


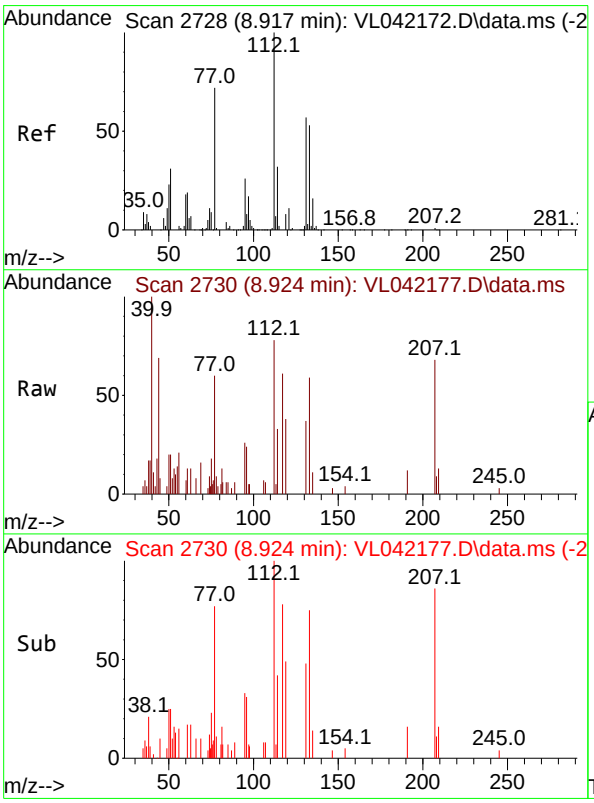
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 475617

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	31.5	25.5	38.3

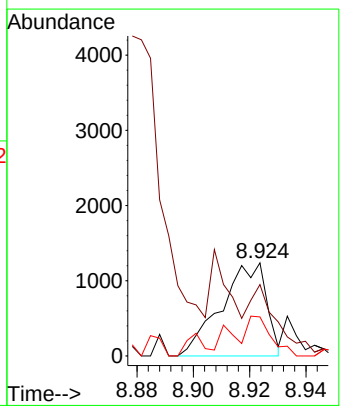


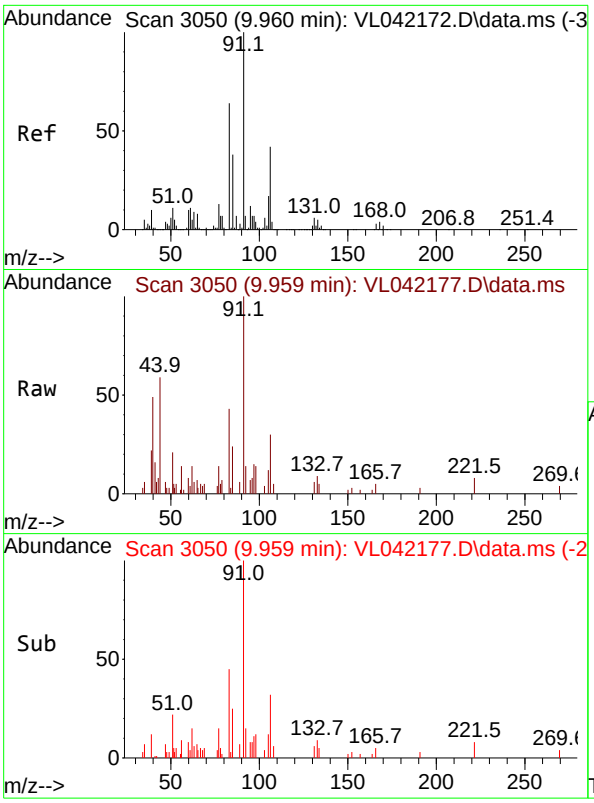


#57
Chlorobenzene
Concen: 0.031 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:112 Resp: 1382

Ion	Ratio	Lower	Upper
112	100		
77	32.1	58.2	87.2#
114	41.8	29.1	35.5#



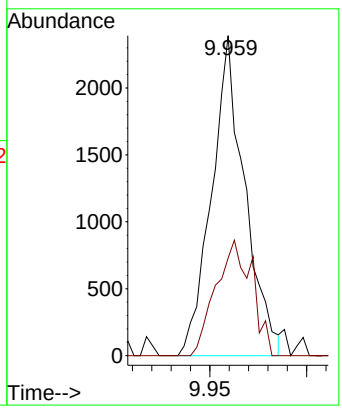


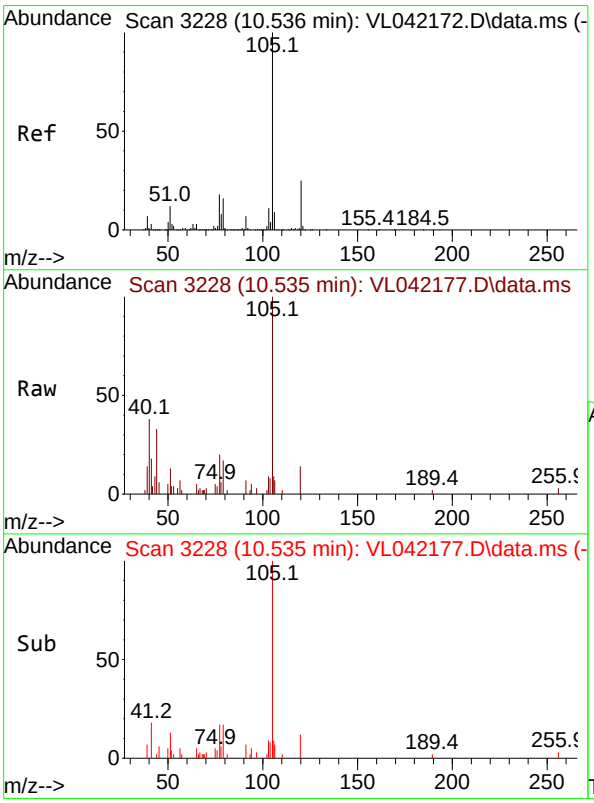
#60
o-Xylene
Concen: 0.042 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 2844

Ion	Ratio	Lower	Upper
91	100		
106	39.4	20.8	62.5

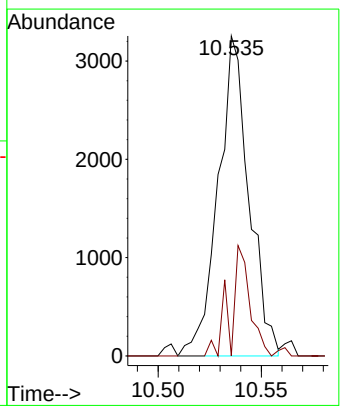


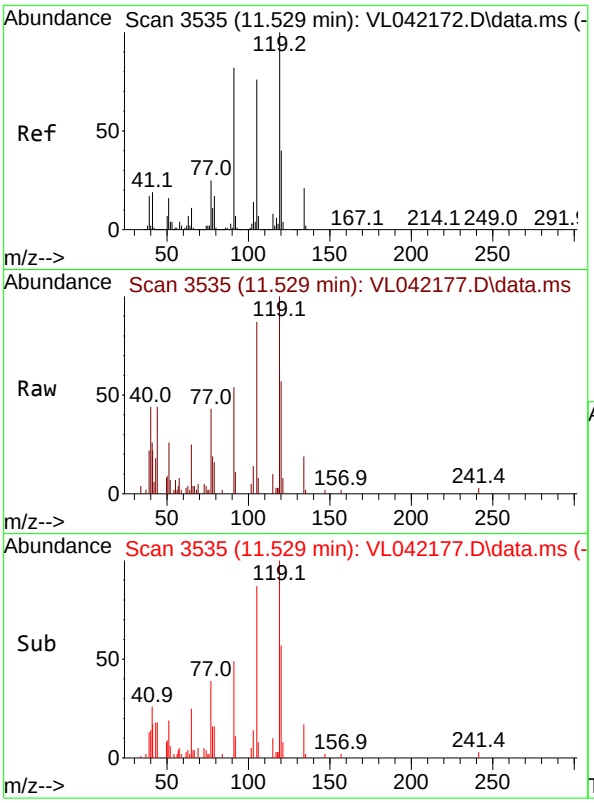


#62
Isopropylbenzene
Concen: 0.033 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:105 Resp: 3380

Ion	Ratio	Lower	Upper
105	100		
120	22.3	19.9	29.9



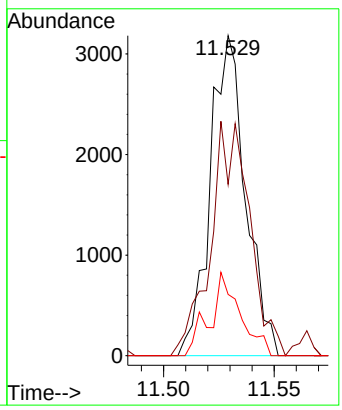


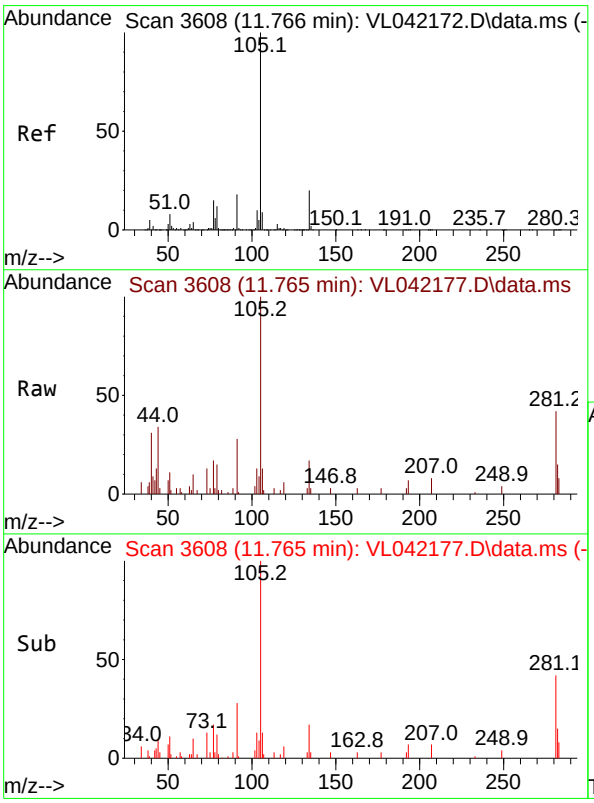
#65
tert-Butylbenzene
Concen: 0.038 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 3543

Ion	Ratio	Lower	Upper
119	100		
91	83.5	66.0	99.0
134	22.4	16.7	25.1

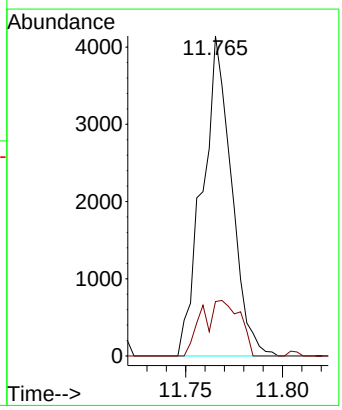


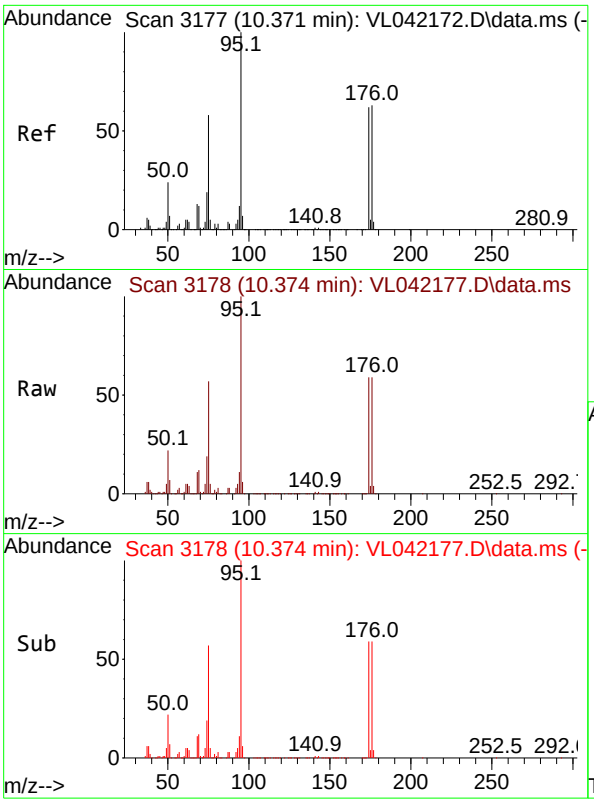


#67
sec-Butylbenzene
Concen: 0.033 ppbv
RT: 11.765 min Scan# 3608
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:105 Resp: 4317

Ion	Ratio	Lower	Upper
105	100		
134	22.8	15.5	23.3



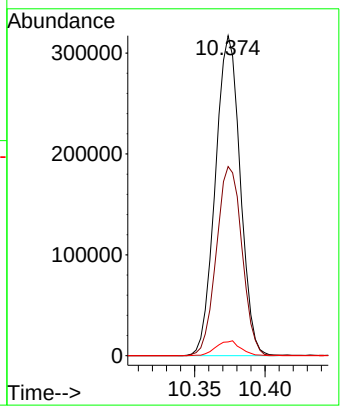


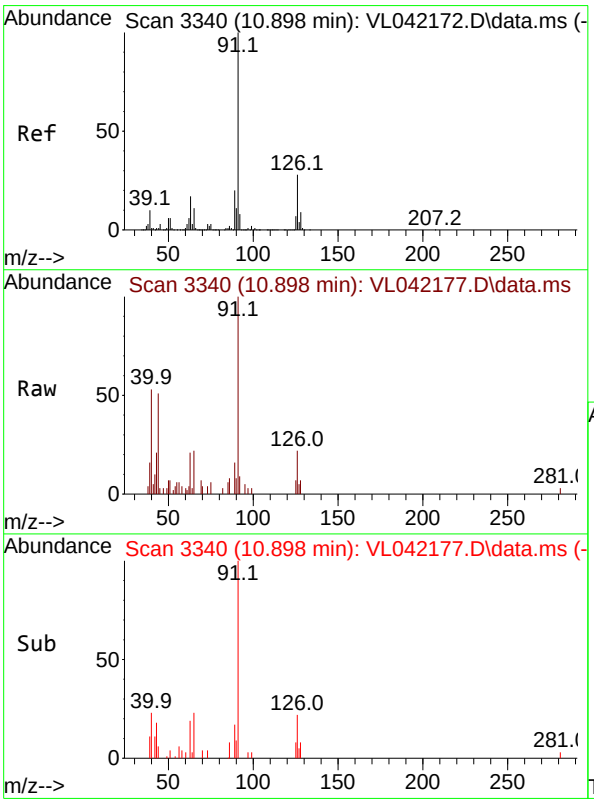
#68
1-Bromo-4-Fluorobenzene
Concen: 9.983 ppbv
RT: 10.374 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 95 Resp: 389935

Ion	Ratio	Lower	Upper
95	100		
174	61.2	50.6	76.0
175	4.6	3.8	5.6

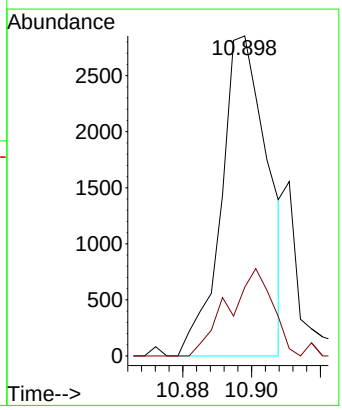


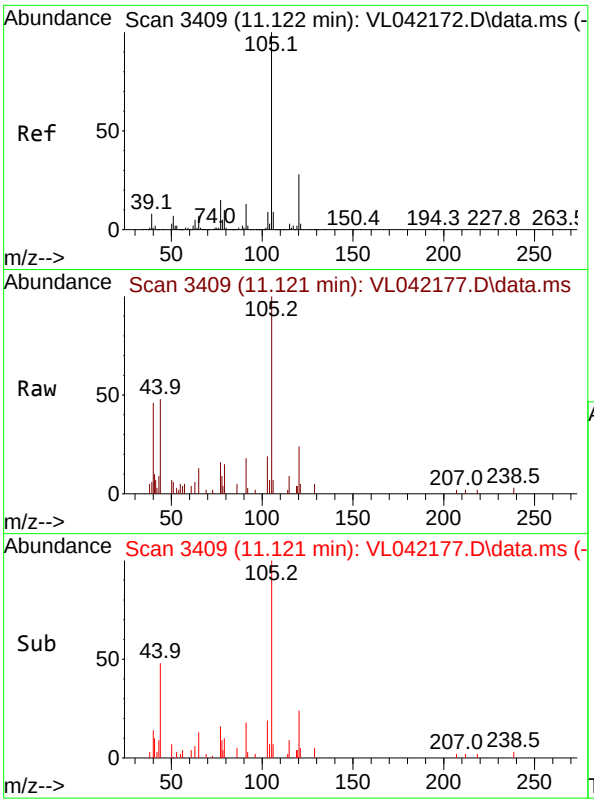


#71
2-Chlorotoluene
Concen: 0.034 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion: 91 Resp: 2666

Ion	Ratio	Lower	Upper
91	100		
126	27.2	11.6	46.4



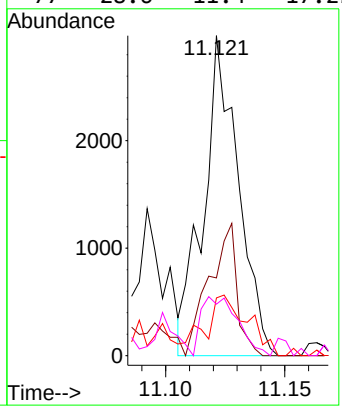


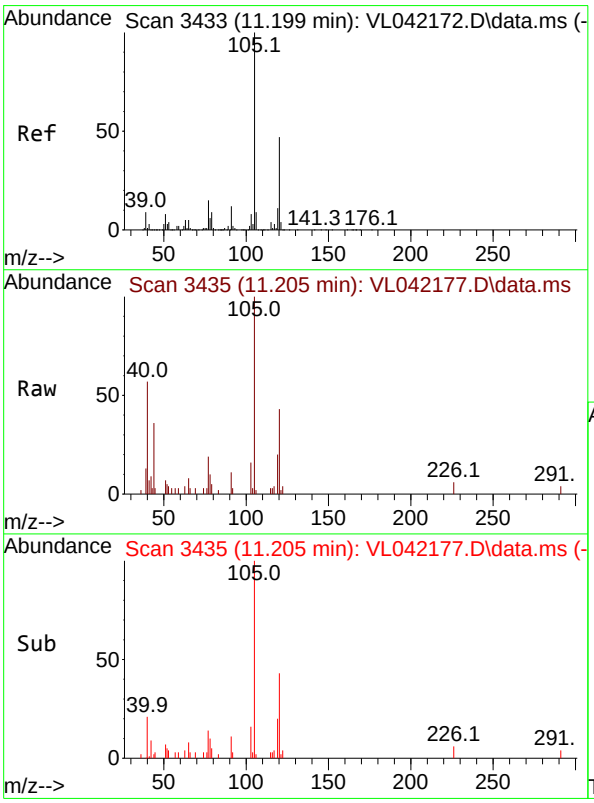
#72
4-Ethyltoluene
Concen: 0.036 ppbv
RT: 11.121 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 3017

Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.4	35.0#
91	34.0	10.3	15.5#
77	28.6	11.4	17.2#

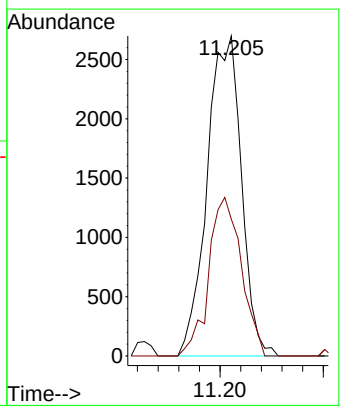


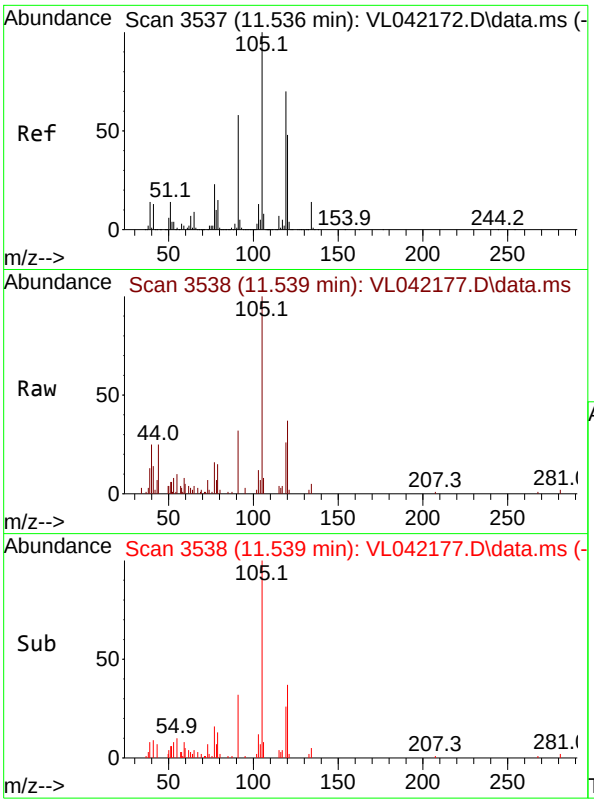


#73
1,3,5-Trimethylbenzene
Concen: 0.042 ppbv
RT: 11.205 min Scan# 3435
Delta R.T. 0.006 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:105 Resp: 3101

Ion	Ratio	Lower	Upper
105	100		
120	42.8	37.4	56.0



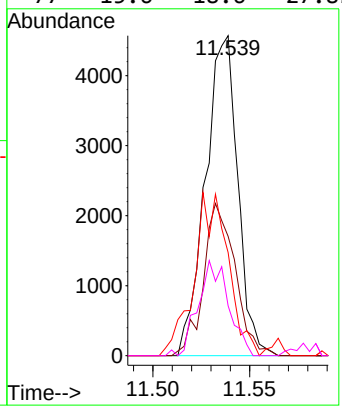


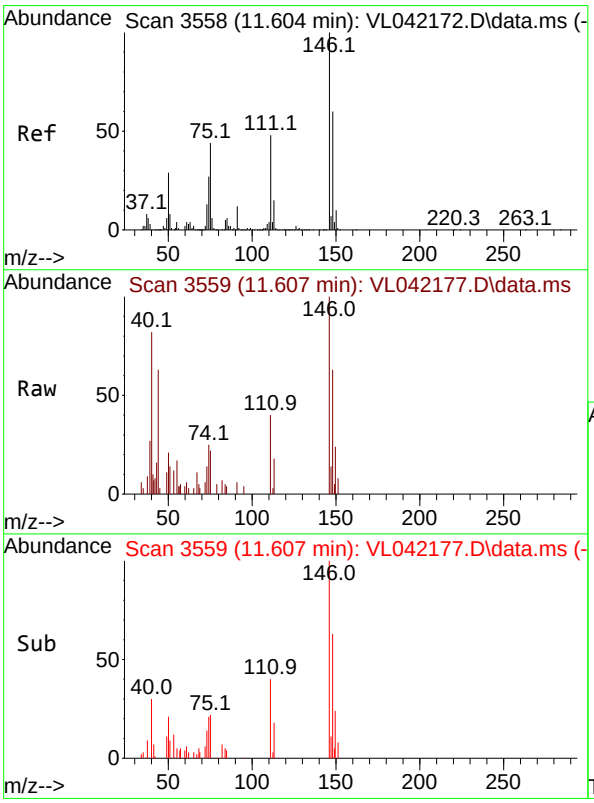
#74
1,2,4-Trimethylbenzene
Concen: 0.063 ppbv
RT: 11.539 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 5313

Ion	Ratio	Lower	Upper
105	100		
120	37.3	38.6	58.0#
91	26.8	46.2	69.2#
77	15.6	18.6	27.8#

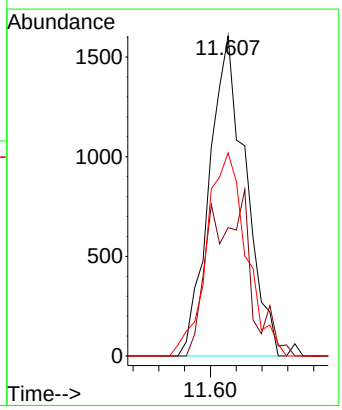


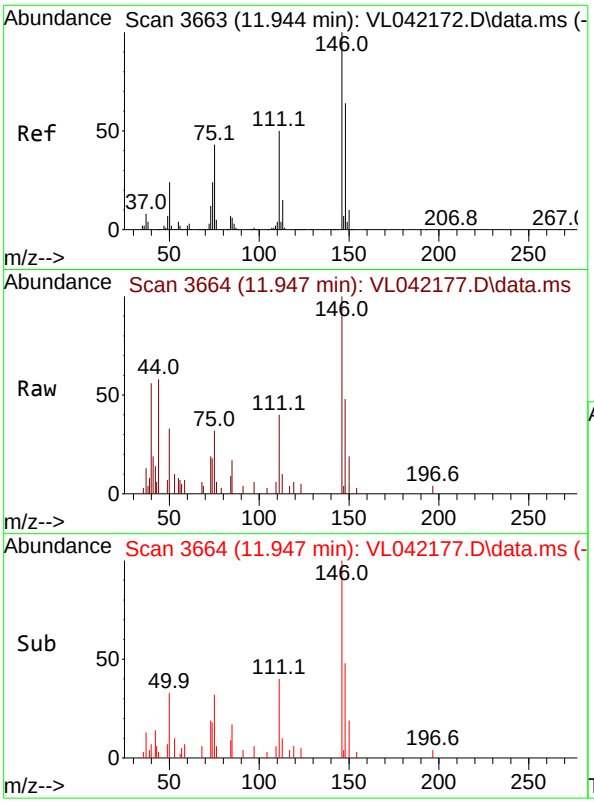


#75
1,3-Dichlorobenzene
Concen: 0.034 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:146 Resp: 1577

Ion	Ratio	Lower	Upper
146	100		
111	56.6	23.8	71.2
148	69.2	31.9	95.9



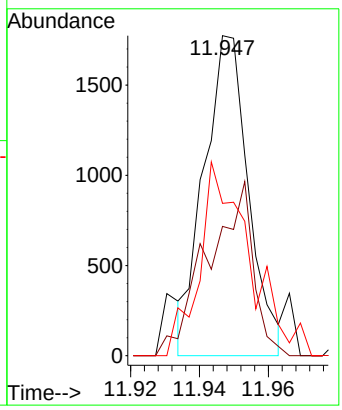


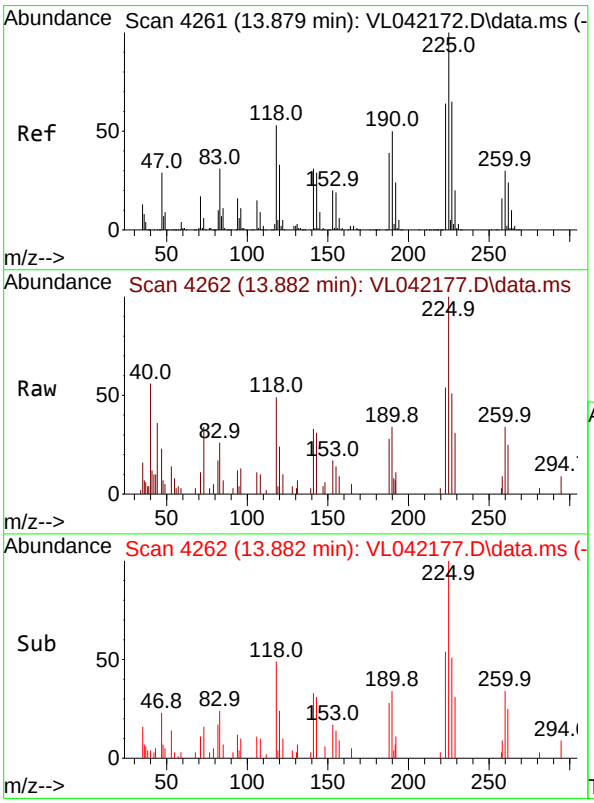
#77
1,2-Dichlorobenzene
Concen: 0.035 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1591

Ion	Ratio	Lower	Upper
146	100		
111	55.6	24.8	74.3
148	68.3	31.6	94.8

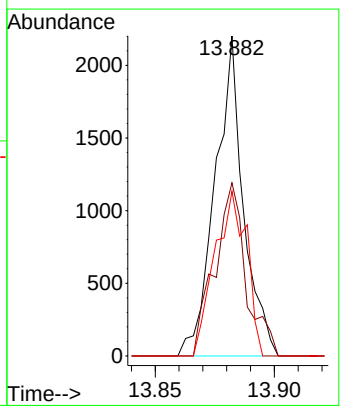




#78
Hexachloro-1,3-Butadiene
Concen: 0.040 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

Tgt Ion:225 Resp: 1821

Ion	Ratio	Lower	Upper
225	100		
223	59.6	50.6	76.0
227	58.0	51.2	76.8



Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	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

Quantitation Report (Not 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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

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	866684	12.901	ppbv	#	22
60) o-Xylene	9.962	91	913234	13.577	ppbv		99
61) Styrene	9.865	104	474195	14.250	ppbv		99
62) Isopropylbenzene	10.535	105	1362416	13.544	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.959	83	551386	13.491	ppbv		99
64) n-propylbenzene	10.985	120	356118	13.753	ppbv		94
65) tert-Butylbenzene	11.529	119	1200149	12.901	ppbv		98
66) Benzyl Chloride	11.613	91	134397	13.615	ppbv		100
67) sec-Butylbenzene	11.765	105	1643629	12.711	ppbv		99
69) p-Isopropyltoluene	11.924	119	1437016	12.906	ppbv		98
70) n-Butylbenzene	12.280	91	1477443	12.975	ppbv		99
71) 2-Chlorotoluene	10.898	91	1071432	13.724	ppbv		99
72) 4-Ethyltoluene	11.121	105	1136415	13.569	ppbv		99
73) 1,3,5-Trimethylbenzene	11.202	105	979783	13.395	ppbv		99
74) 1,2,4-Trimethylbenzene	11.535	105	1048874	12.447	ppbv		92
75) 1,3-Dichlorobenzene	11.607	146	626015	13.545	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	628694	13.668	ppbv		100
77) 1,2-Dichlorobenzene	11.947	146	602844	13.396	ppbv		100
78) Hexachloro-1,3-Butadiene	13.882	225	556392	12.147	ppbv		99
79) Naphthalene	13.513	128	1258479	13.653	ppbv		98
80) Naphthalene,2-methyl-	14.455	142	718900	16.018	ppbv		98
81) 1,2,4-Trichlorobenzene	13.439	180	598416	14.075	ppbv		99

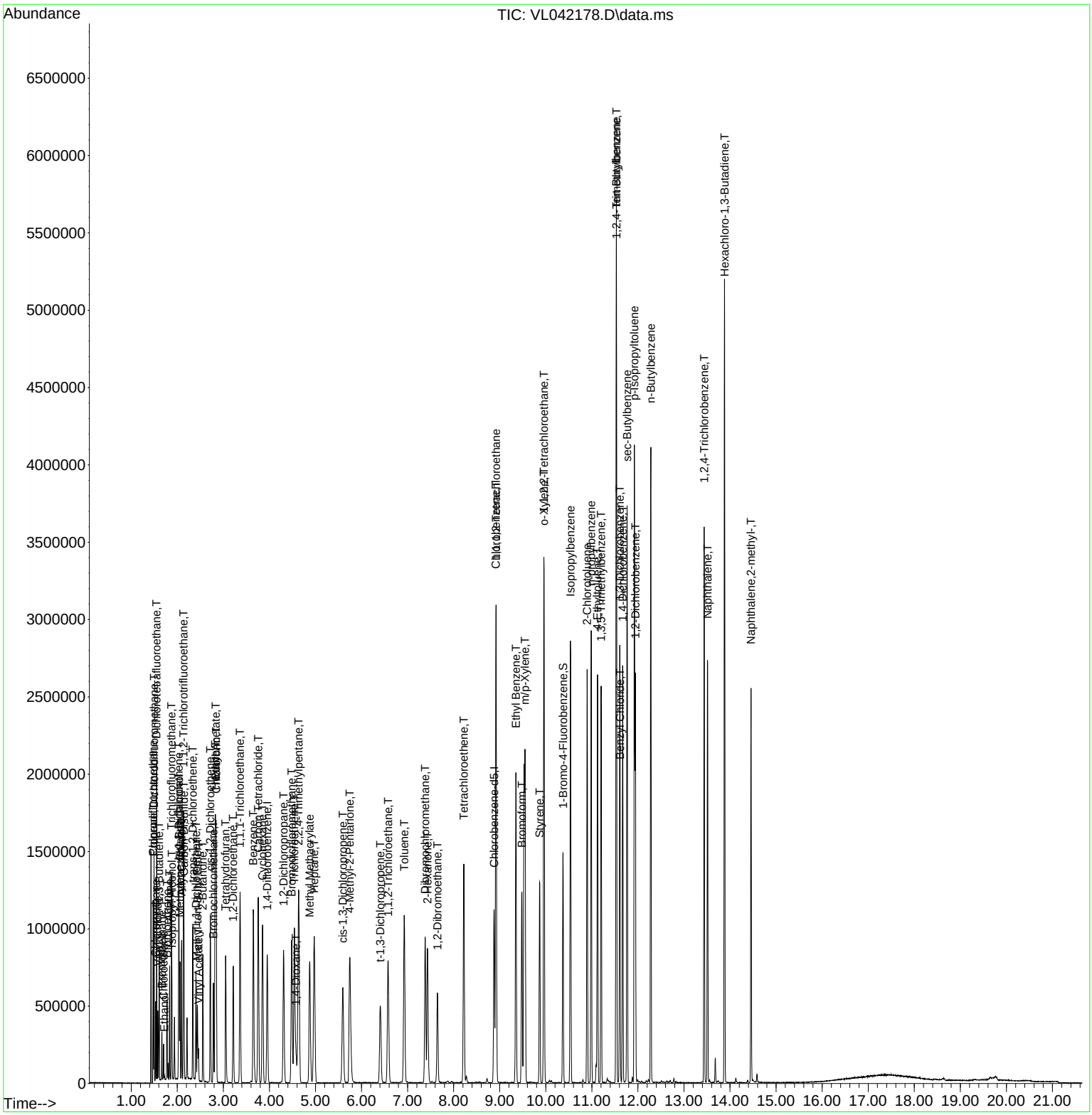
(#) = qualifier out of range (m) = manual integration (+) = signals summed

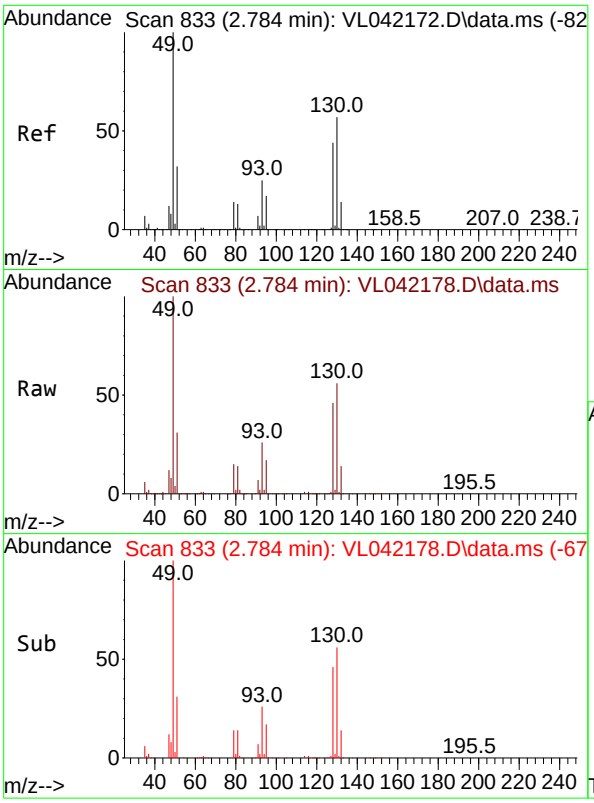
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

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 26 06:05:16 2022
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration



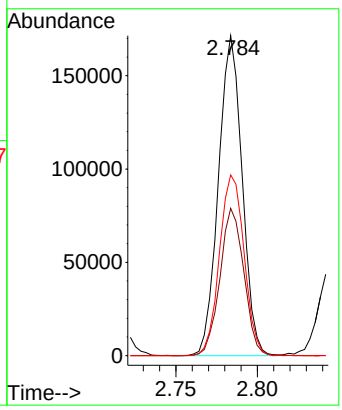


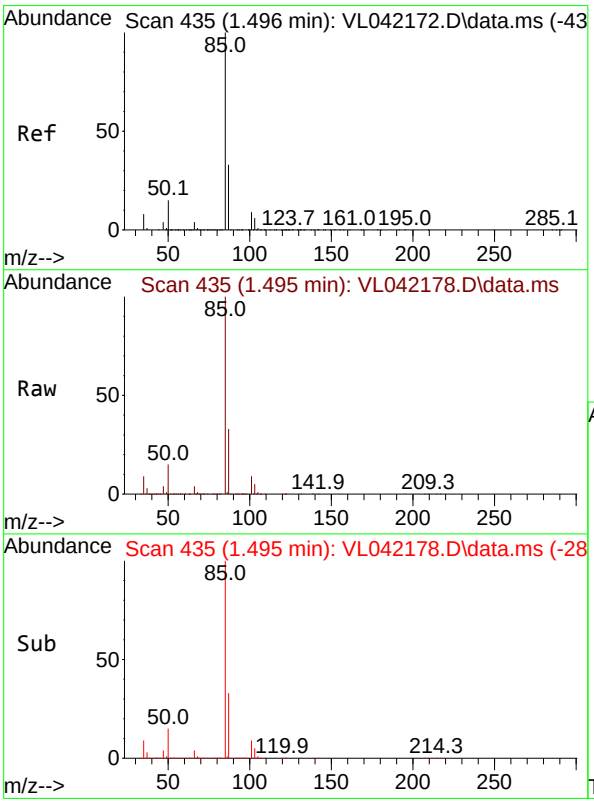
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 173372

Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.9	68.5
130	58.7	28.8	86.4

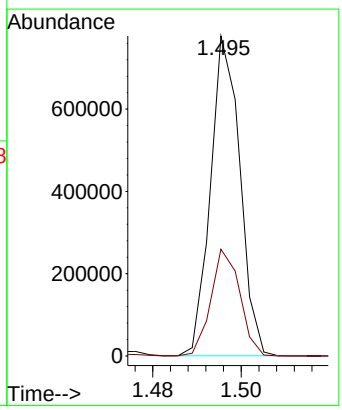


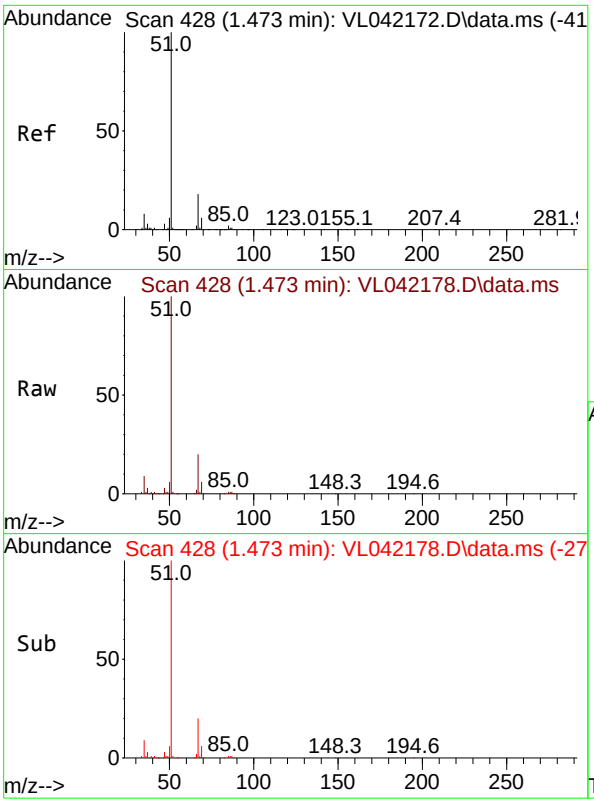


#2
Dichlorodifluoromethane
Concen: 14.023 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 85 Resp: 358962

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.1	39.1



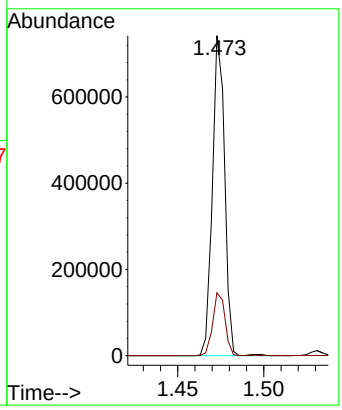


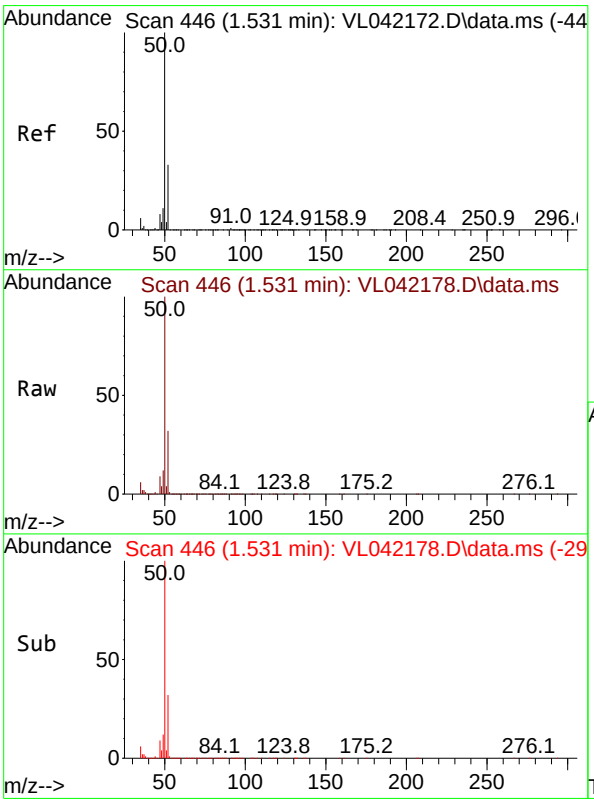
#3
Chlorodifluoromethane
Concen: 14.002 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 366164

Ion	Ratio	Lower	Upper
51	100		
67	19.8	15.0	22.6

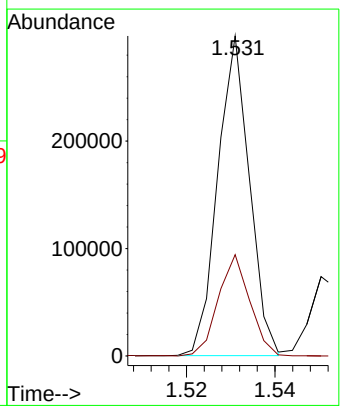


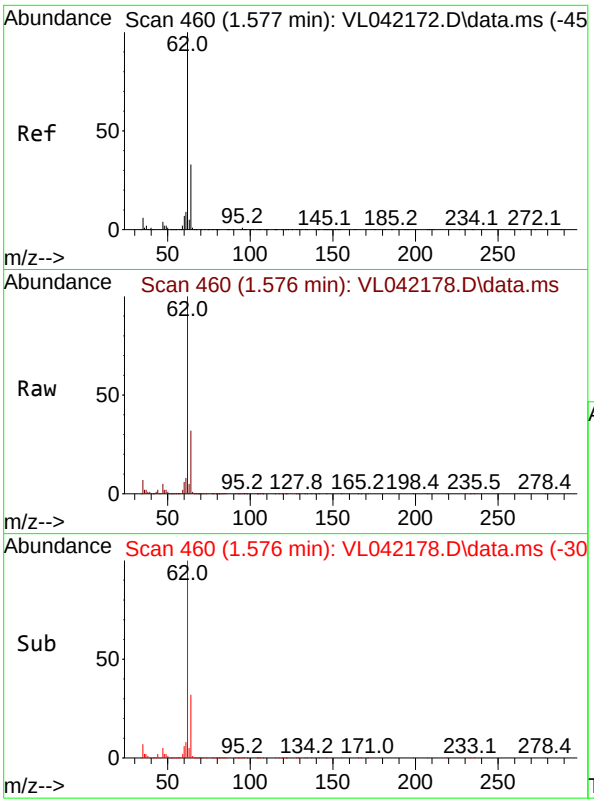


#4
Chloromethane
Concen: 14.160 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 50 Resp: 148133

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.1	39.1



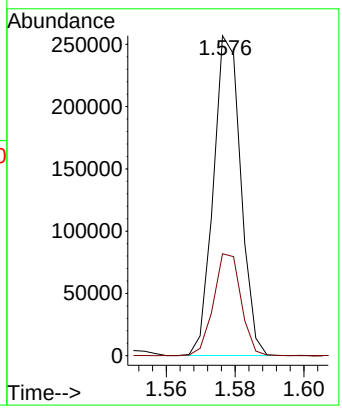


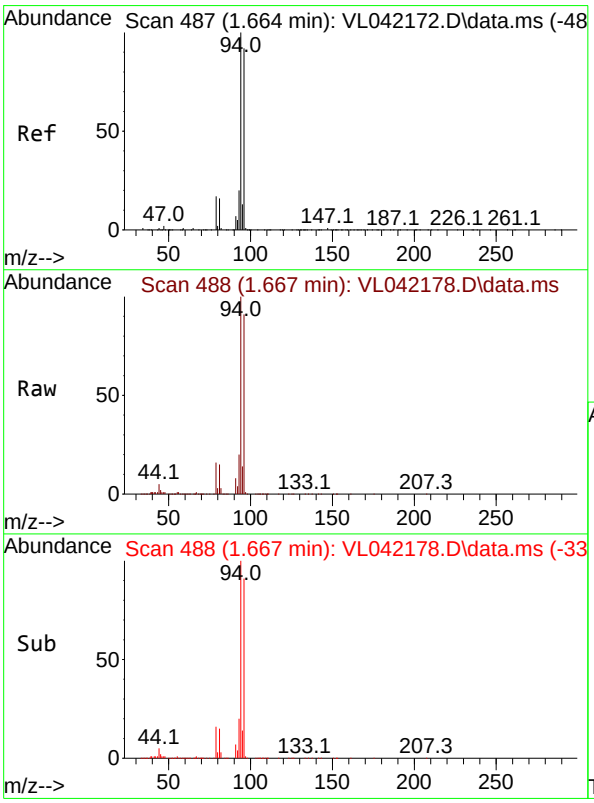
#5
Vinyl Chloride
Concen: 13.304 ppbv
RT: 1.576 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 141938

Ion	Ratio	Lower	Upper
62	100		
64	31.9	26.6	40.0

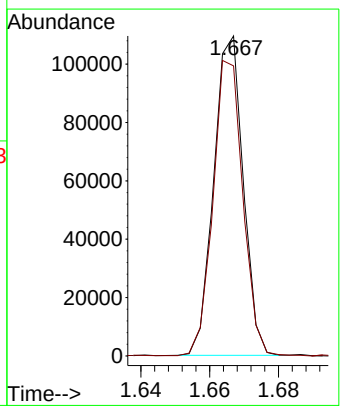


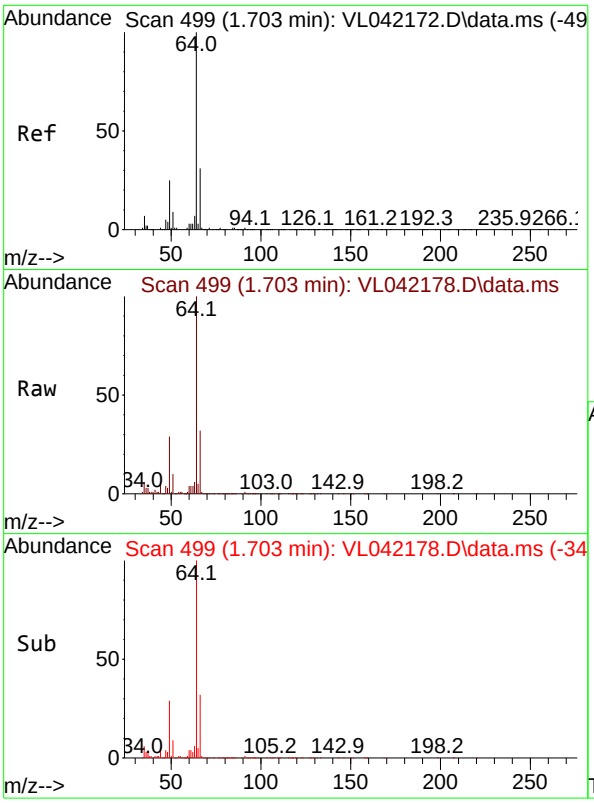


#6
Bromomethane
Concen: 13.734 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 94 Resp: 65113

Ion	Ratio	Lower	Upper
94	100		
96	90.7	73.1	109.7



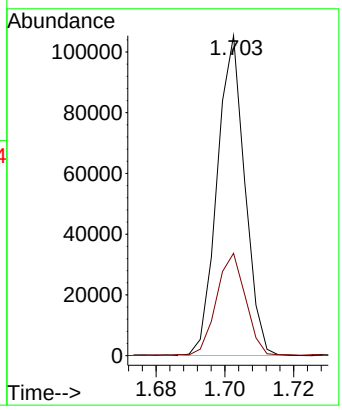


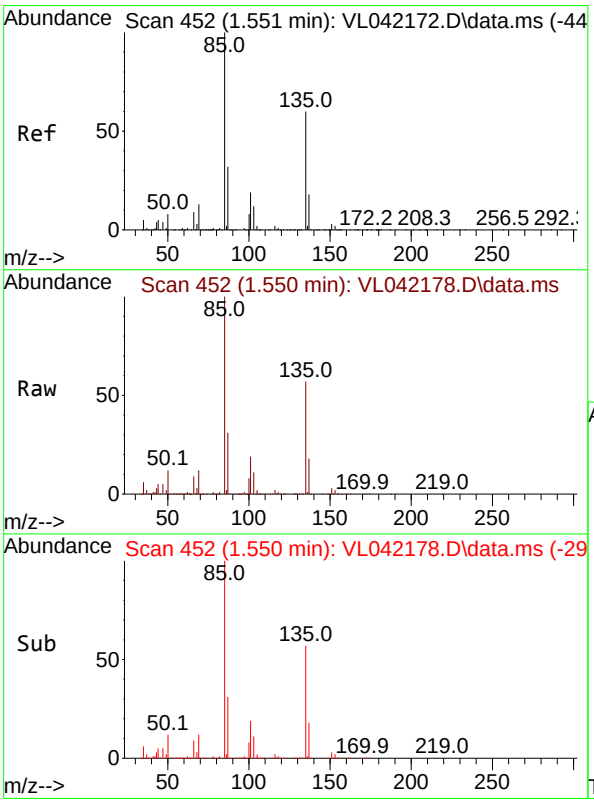
#7
Chloroethane
Concen: 14.007 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 58820

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.2	37.8

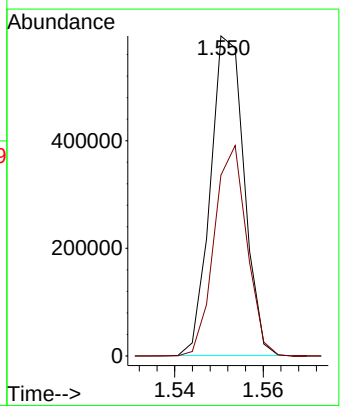


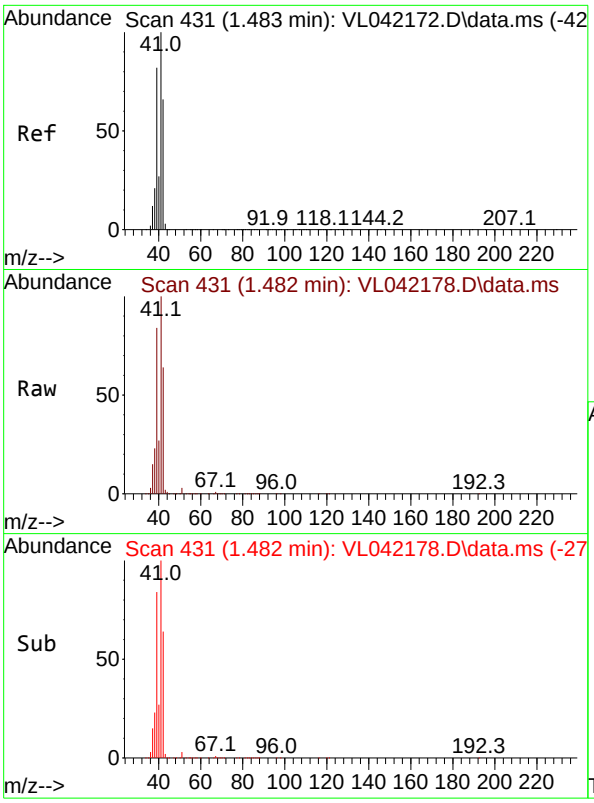


#8
Dichlorotetrafluoroethane
Concen: 14.442 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 85 Resp: 314834

Ion	Ratio	Lower	Upper
85	100		
135	63.8	52.4	78.6



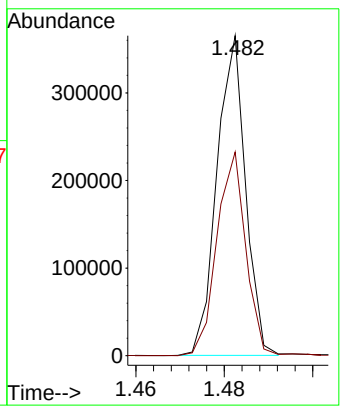


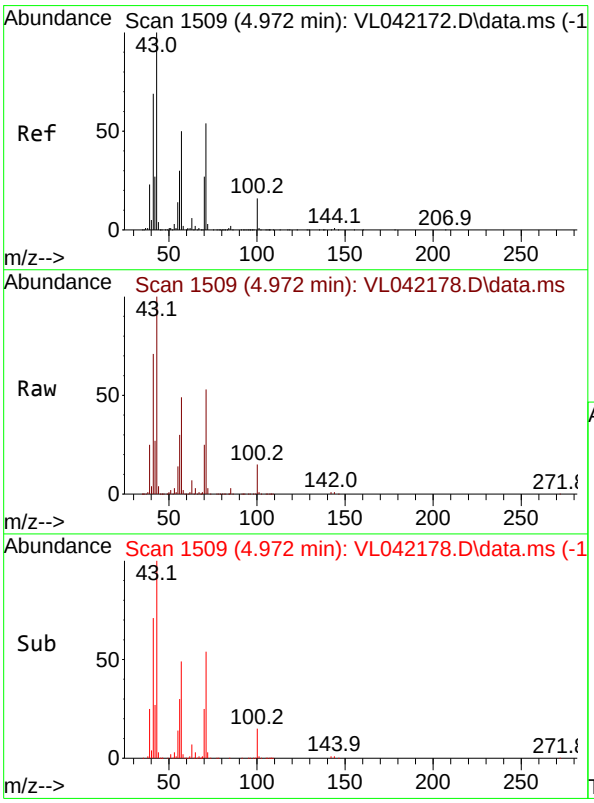
#9
Propene
Concen: 13.902 ppbv
RT: 1.482 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 163799

Ion	Ratio	Lower	Upper
41	100		
42	65.3	55.4	83.2

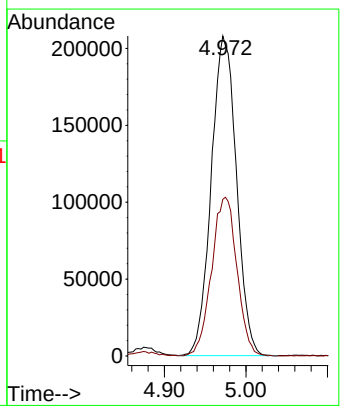


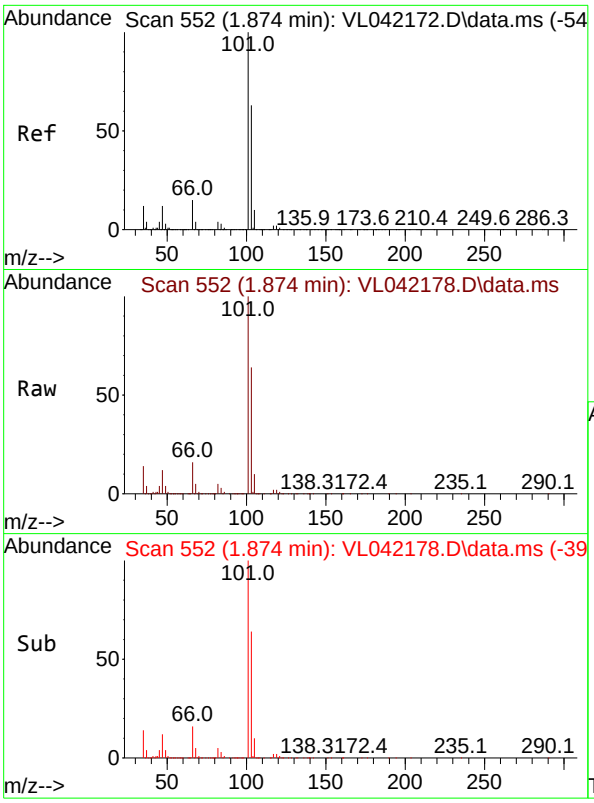


#10
Heptane
Concen: 14.019 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 446949

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.4	59.2



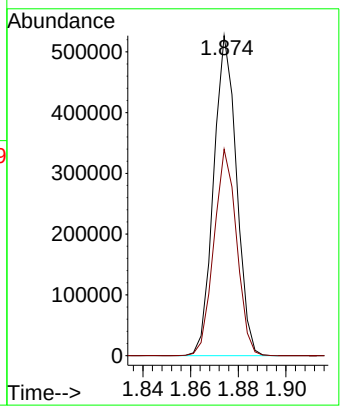


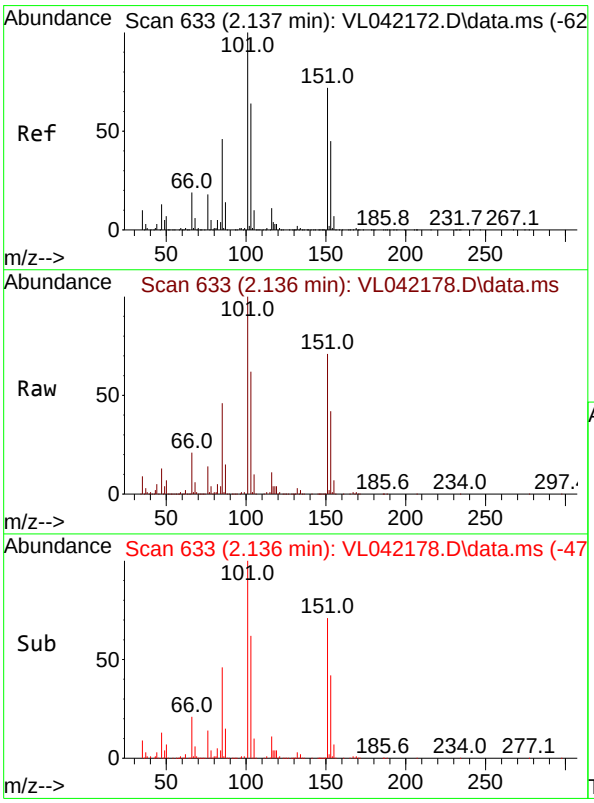
#11
Trichlorofluoromethane
Concen: 14.050 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 349967

Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.2	75.2

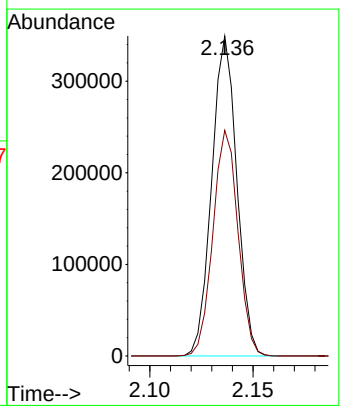


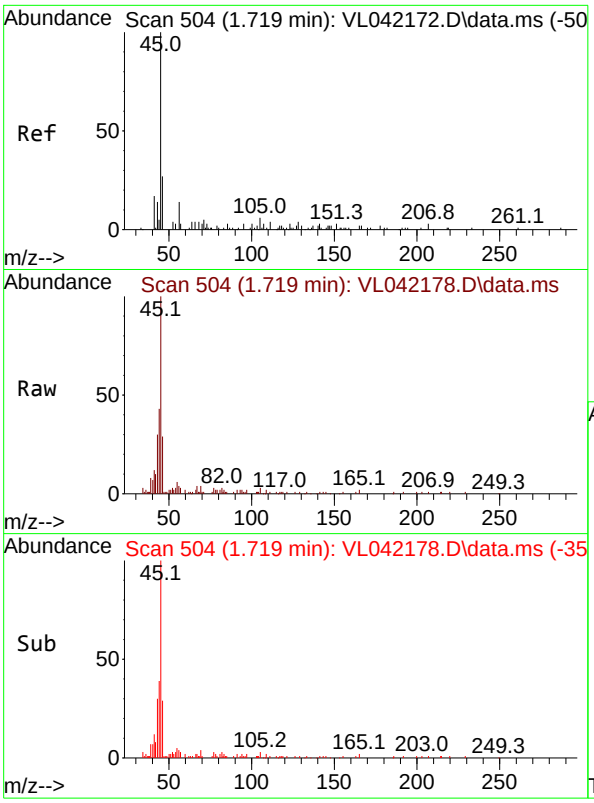


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.419 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:101 Resp: 295217

Ion	Ratio	Lower	Upper
101	100		
151	70.4	57.1	85.7



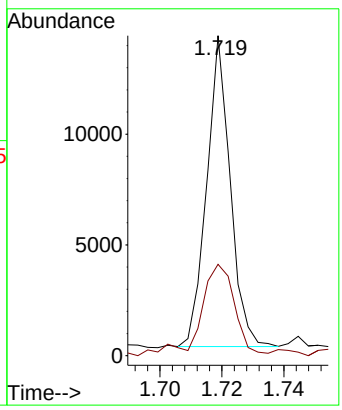


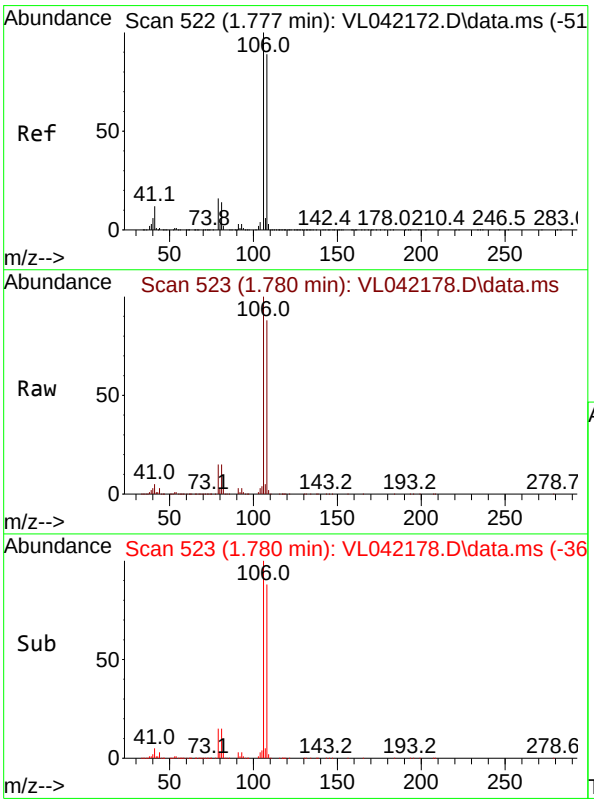
#13
Ethanol
Concen: 8.001 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 7382

Ion	Ratio	Lower	Upper
45	100		
46	44.6	20.2	80.8

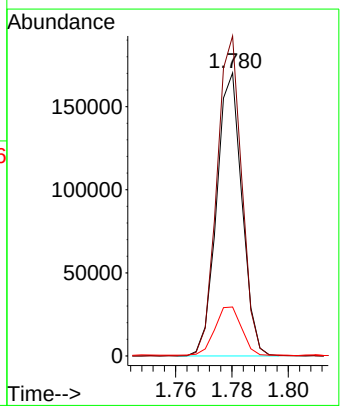


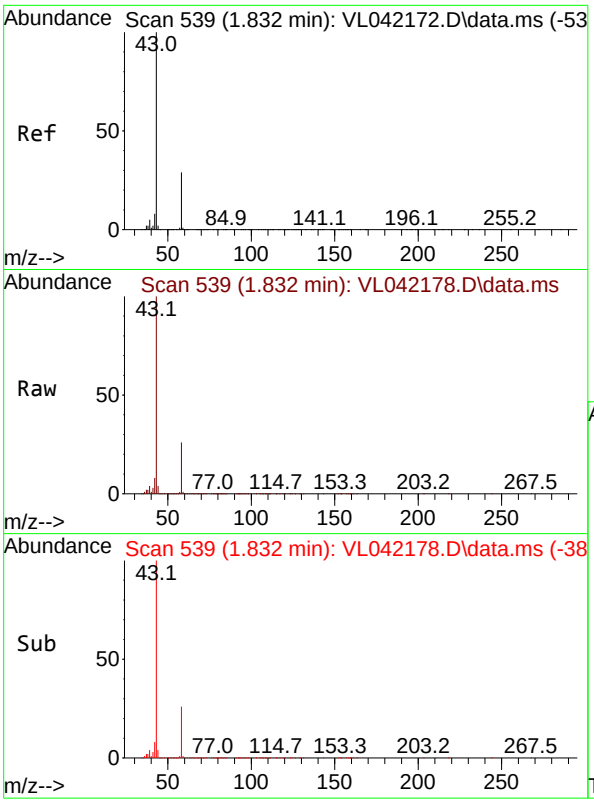


#14
Bromoethene
Concen: 13.571 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:108 Resp: 106436

Ion	Ratio	Lower	Upper
108	100		
106	110.9	86.8	130.2
79	18.8	15.0	22.6



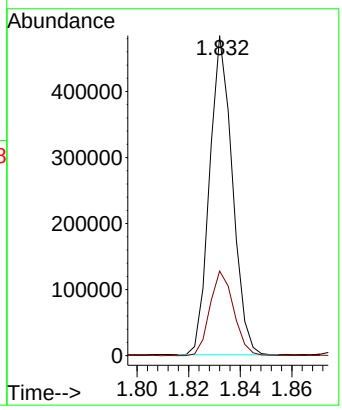


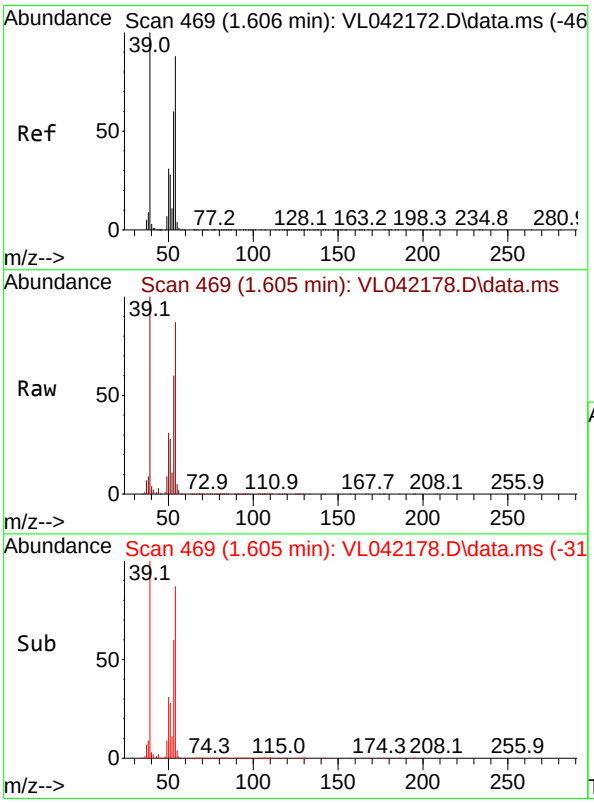
#15
Acetone
Concen: 12.218 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 296254

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.2	34.8

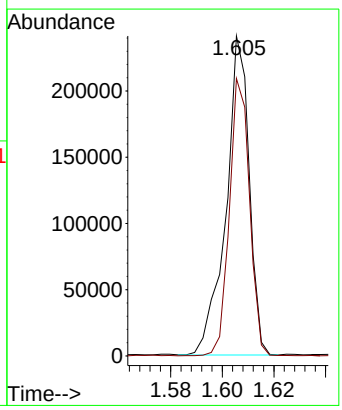


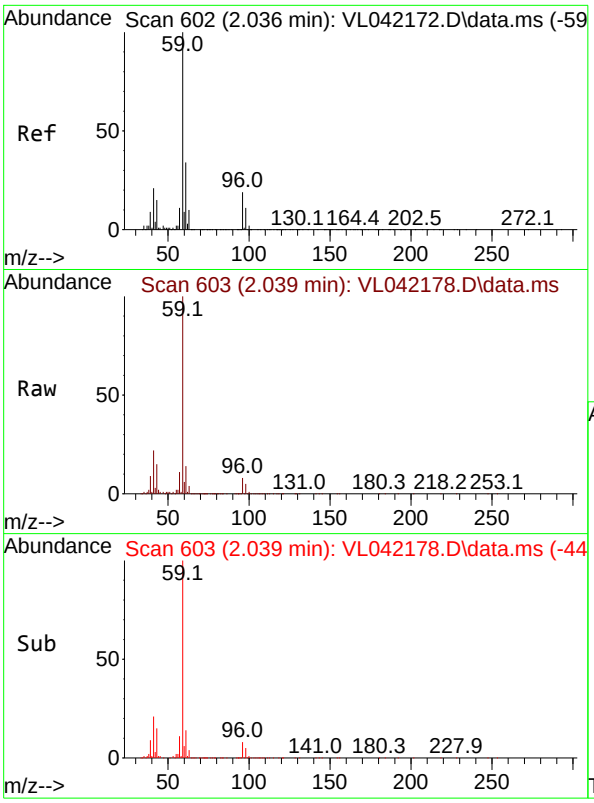


#16
1,3-Butadiene
Concen: 13.766 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 39 Resp: 150122

Ion	Ratio	Lower	Upper
39	100		
54	76.3	60.7	91.1



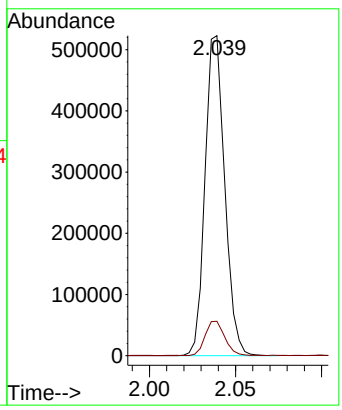


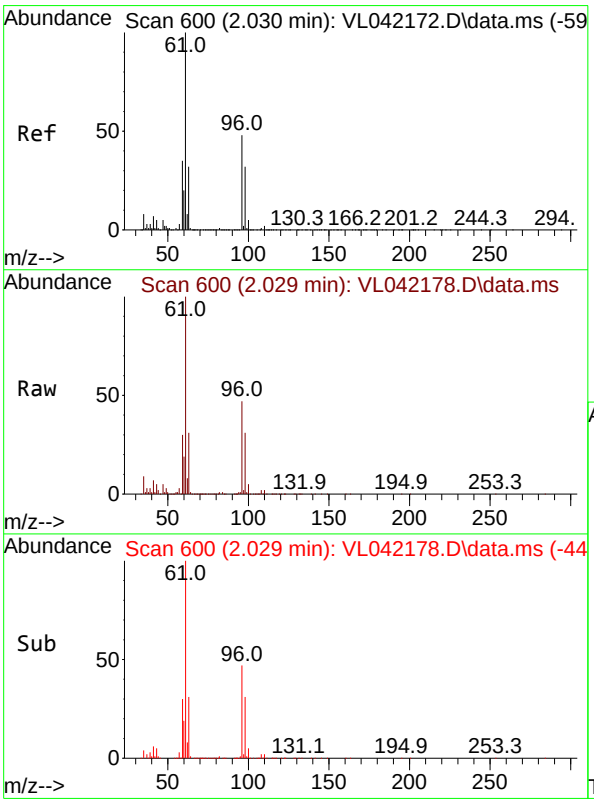
#17
tert-Butyl alcohol
Concen: 13.787 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 416362

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.9	13.3

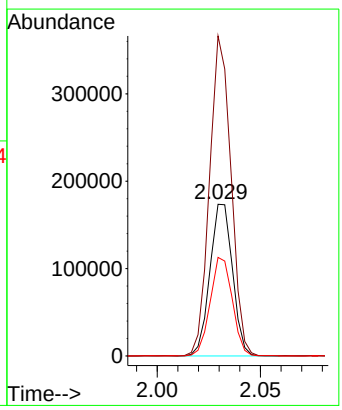


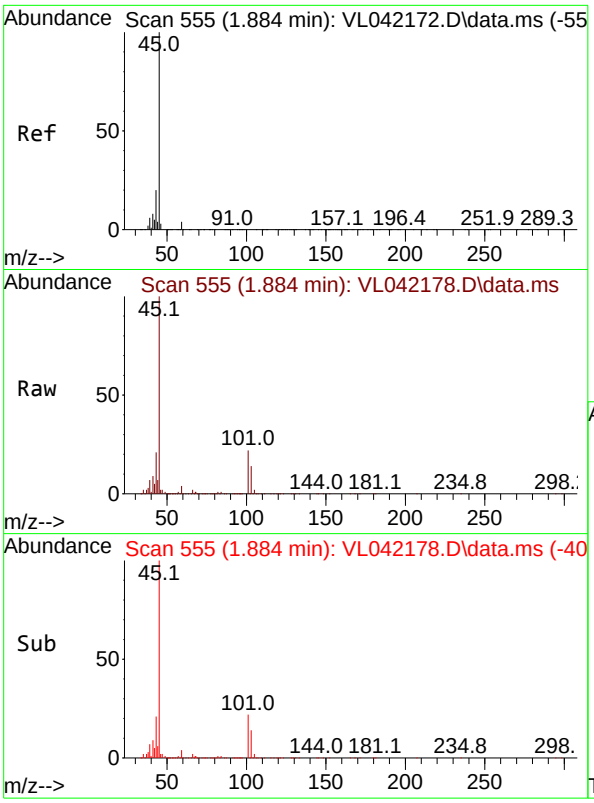


#18
1,1-Dichloroethene
Concen: 13.762 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 96 Resp: 131720

Ion	Ratio	Lower	Upper
96	100		
61	211.1	167.6	251.4
98	64.9	53.5	80.3



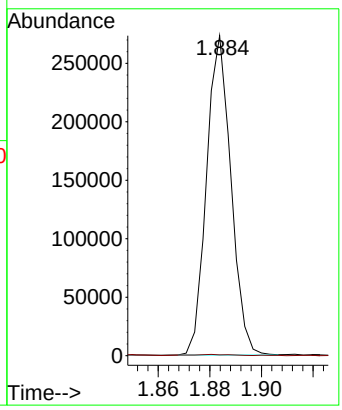


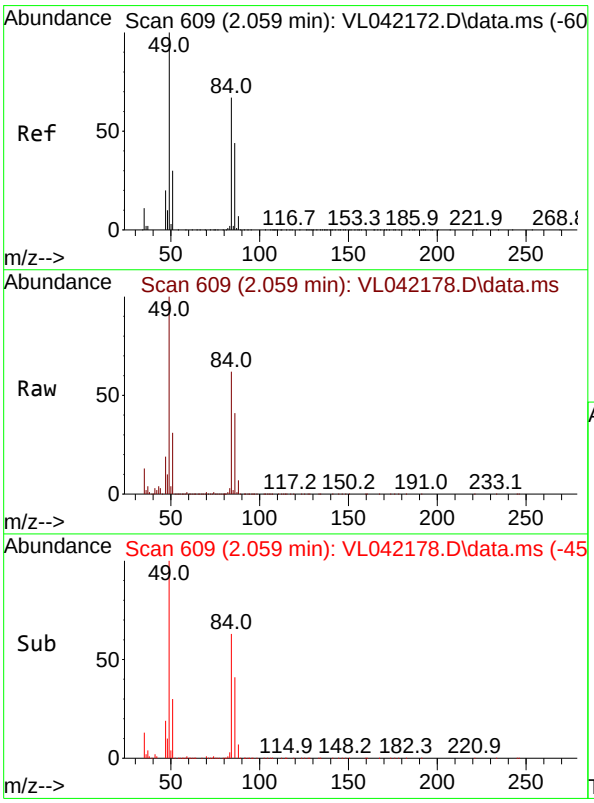
#19
Isopropyl Alcohol
Concen: 13.093 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 179117

Ion	Ratio	Lower	Upper
45	100		
58	46.4	36.9	55.3

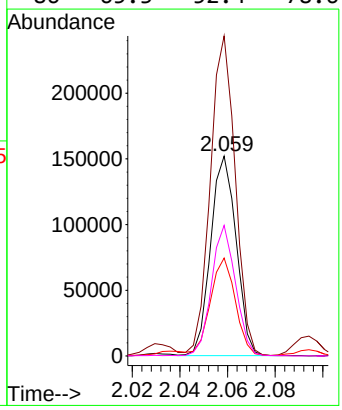


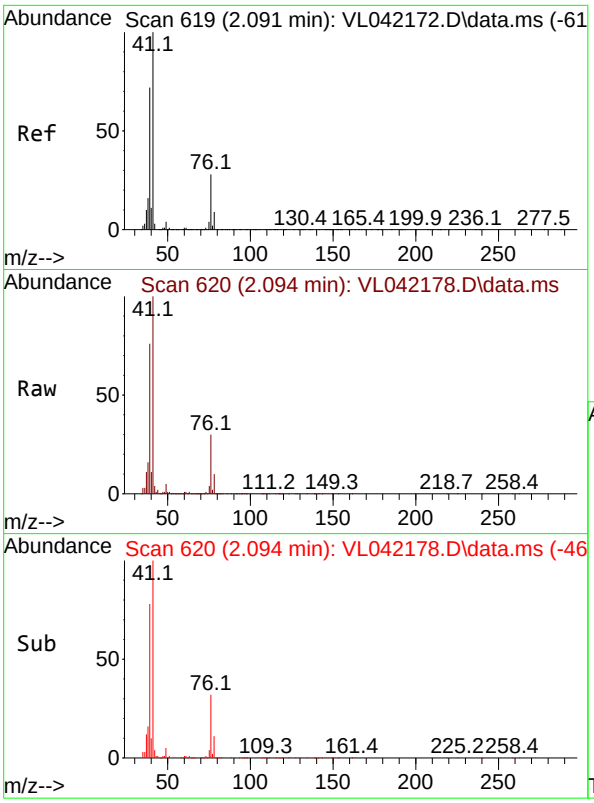


#20
Methylene Chloride
Concen: 12.533 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 84 Resp: 113183

Ion	Ratio	Lower	Upper
84	100		
49	159.7	120.2	180.4
51	48.7	37.4	56.0
86	65.3	52.4	78.6



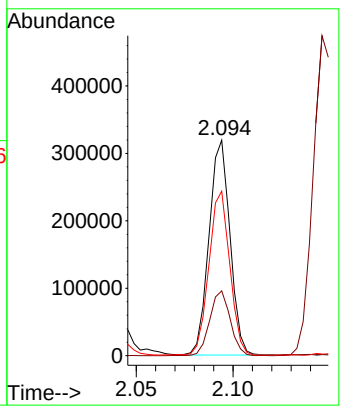


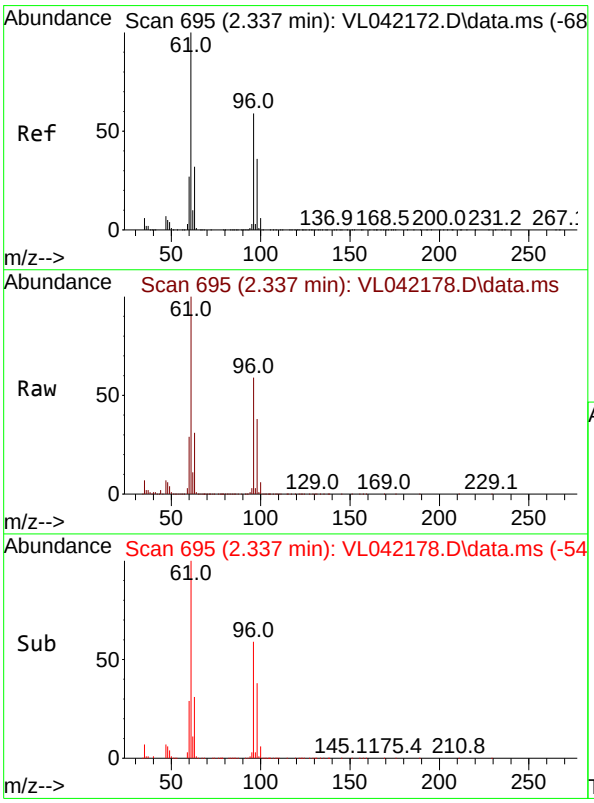
#21
Allyl Chloride
Concen: 14.002 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 239440

Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.1	36.1
39	76.1	61.1	91.7

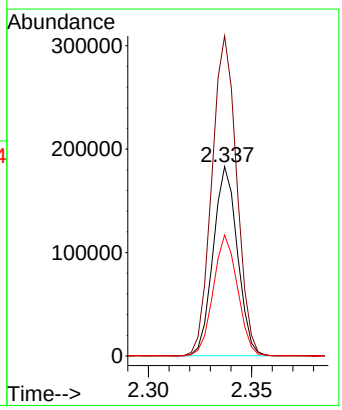


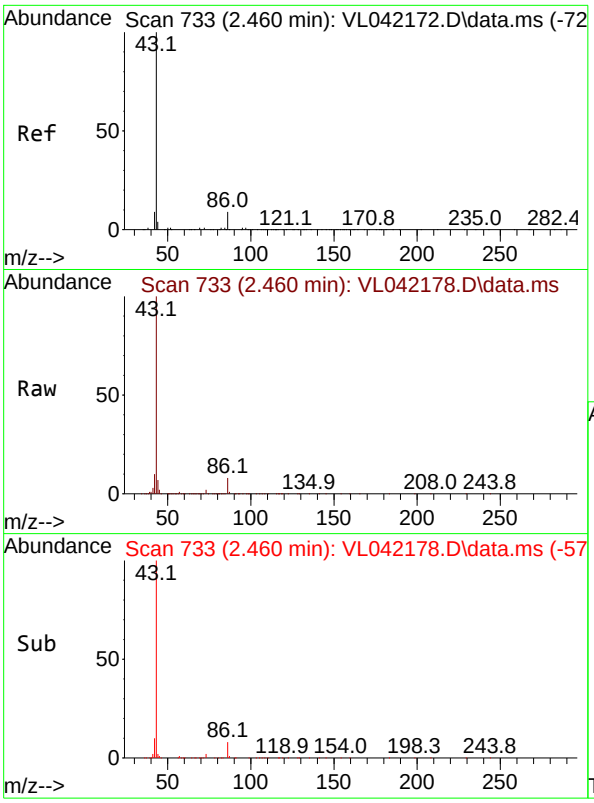


#22
trans-1,2-Dichloroethene
Concen: 13.362 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 96 Resp: 149455

Ion	Ratio	Lower	Upper
96	100		
61	169.2	136.6	204.8
98	63.9	49.4	74.2



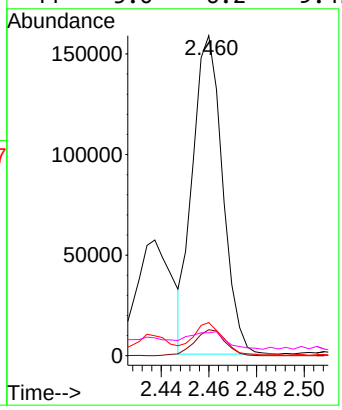


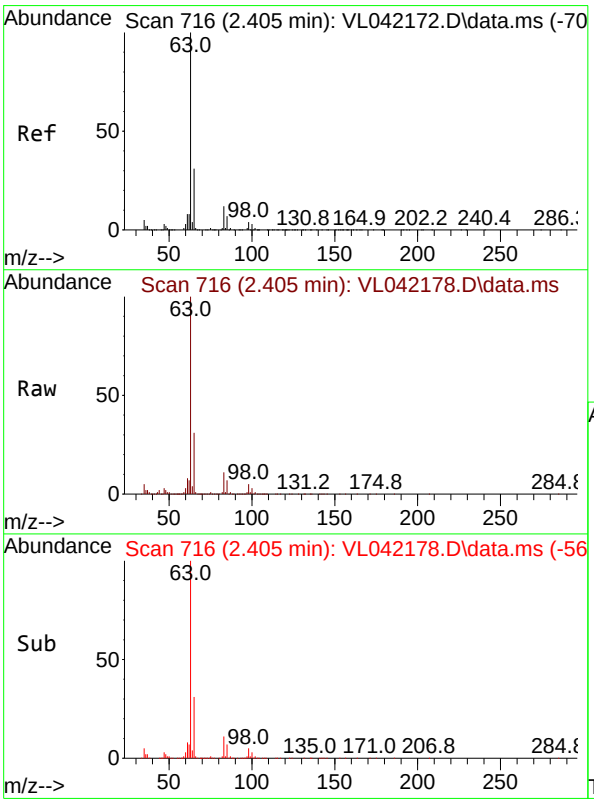
#23
Vinyl Acetate
Concen: 13.736 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 138419

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.1	8.6	13.0
44	5.0	6.2	9.4#

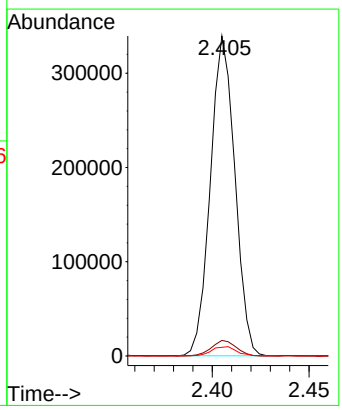


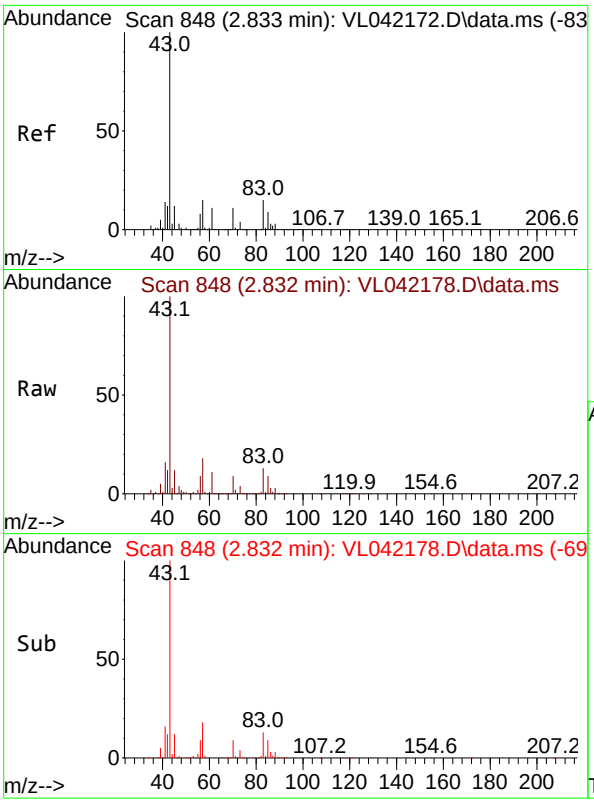


#24
1,1-Dichloroethane
Concen: 14.570 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 63 Resp: 298760

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	2.7	1.6	4.7



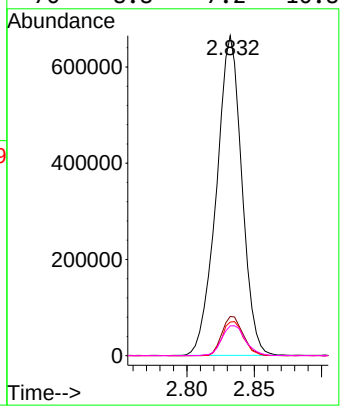


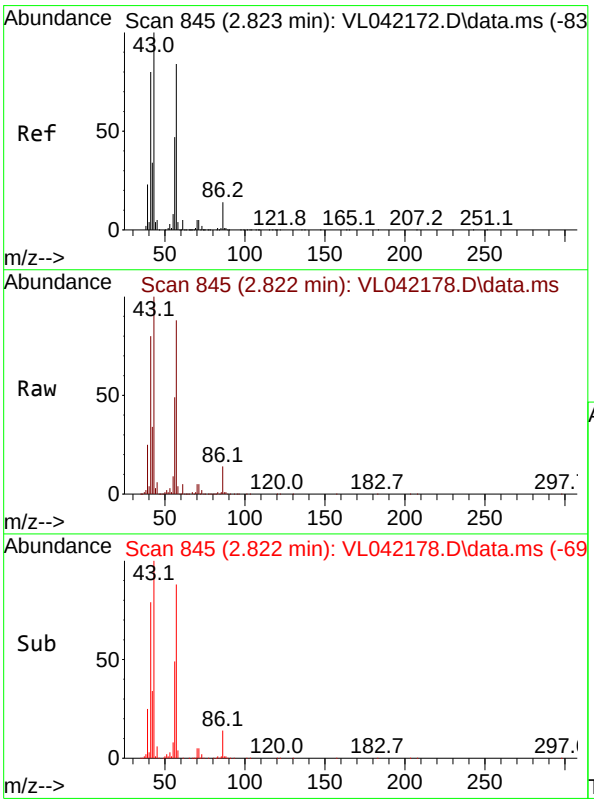
#25
Ethyl Acetate
Concen: 13.855 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 871882

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.0	7.3	10.9
70	8.8	7.2	10.8

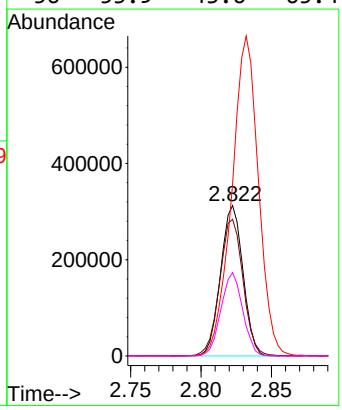


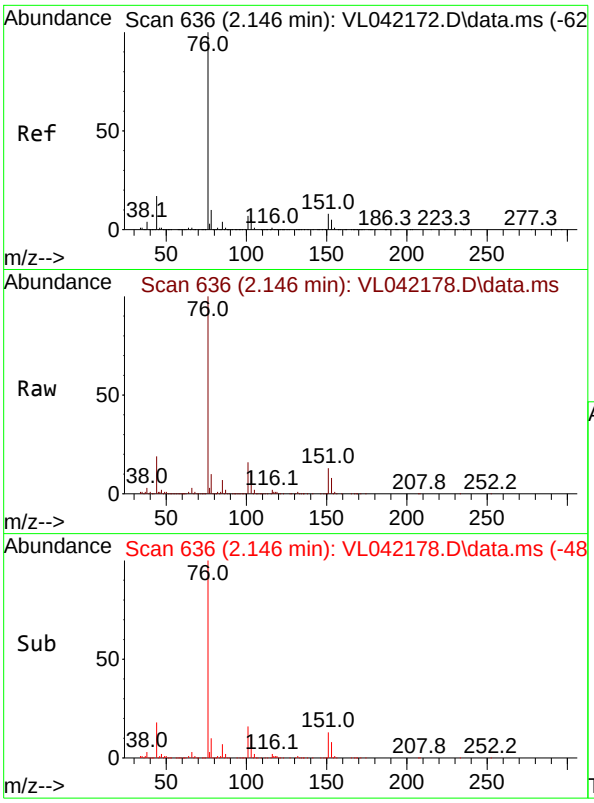


#26
Hexane
Concen: 14.178 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 57 Resp: 344636

Ion	Ratio	Lower	Upper
57	100		
41	96.1	76.6	114.8
43	254.0	207.8	311.8
56	53.9	43.6	65.4



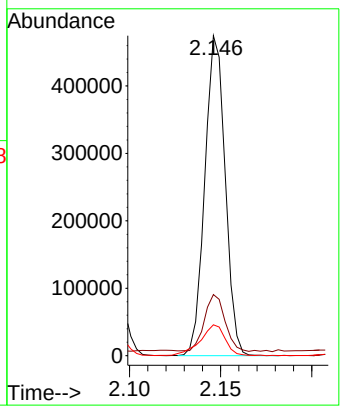


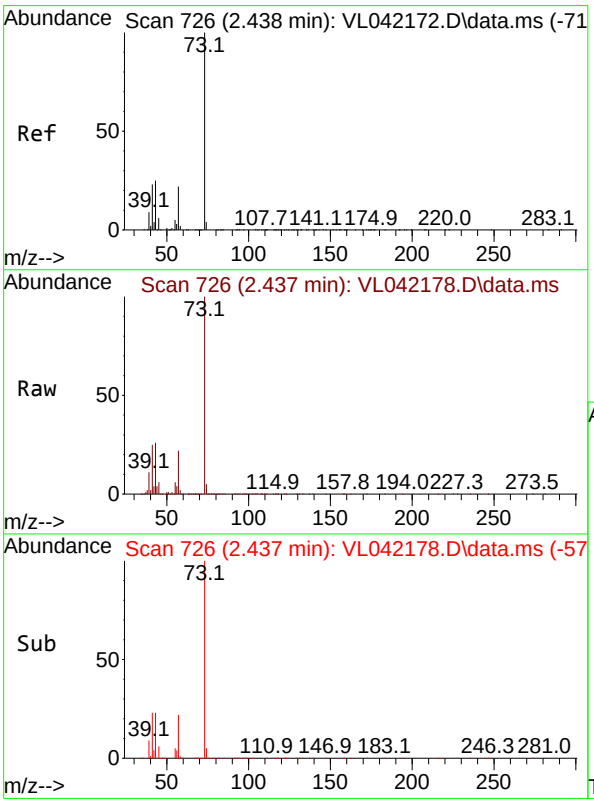
#27
Carbon Disulfide
Concen: 14.196 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 370022

Ion	Ratio	Lower	Upper
76	100		
44	20.3	14.7	22.1
78	11.7	9.3	13.9

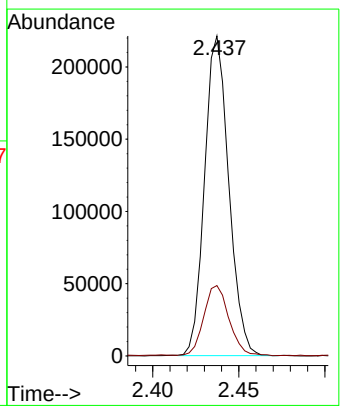


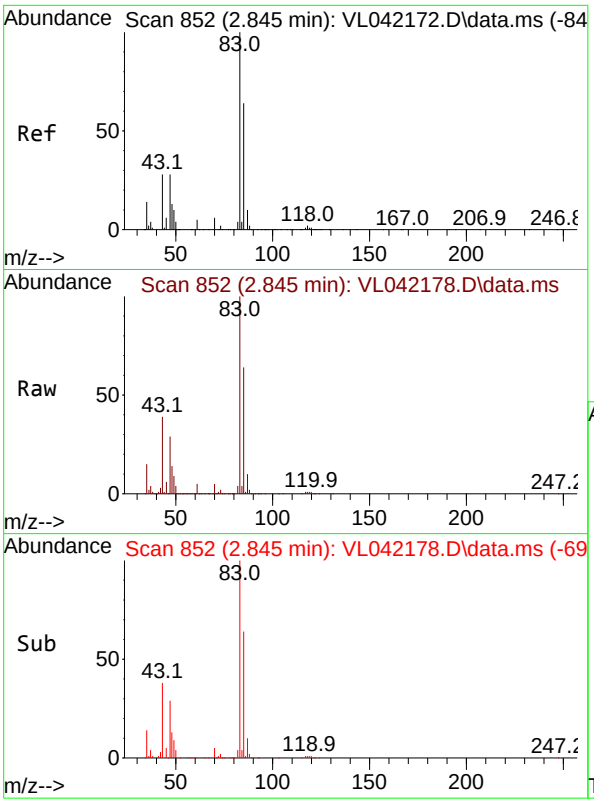


#28
Methyl tert-Butyl Ether
Concen: 14.303 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 73 Resp: 216463

Ion	Ratio	Lower	Upper
73	100		
57	23.2	20.5	30.7



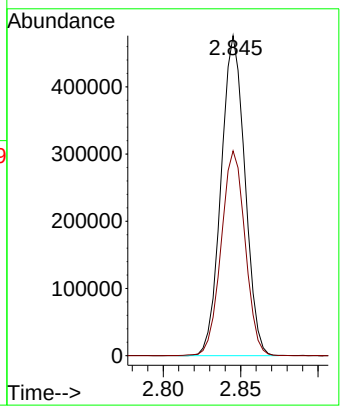


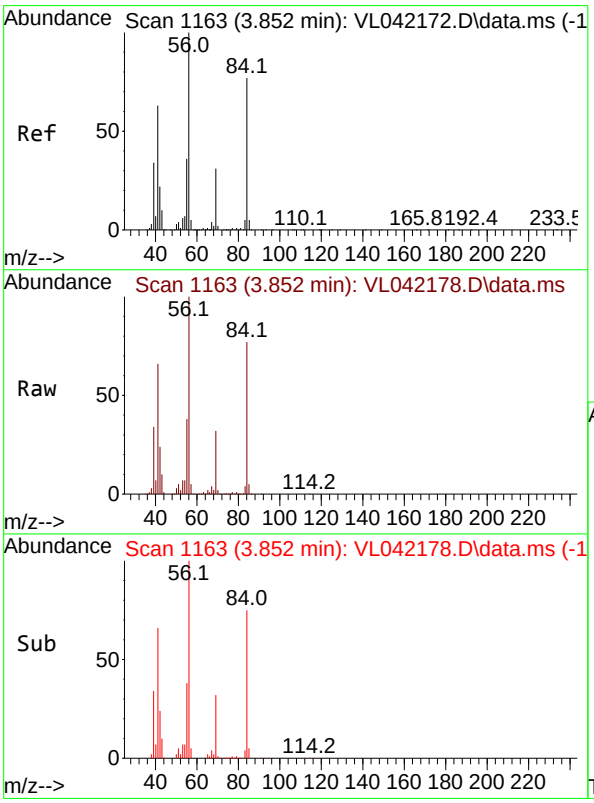
#29
Chloroform
Concen: 14.297 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 508614

Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2

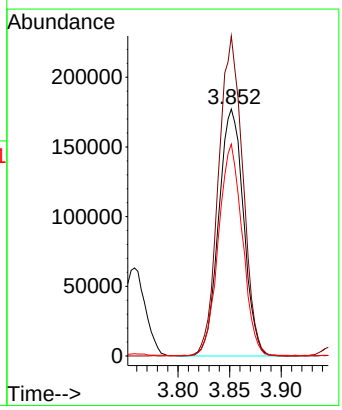


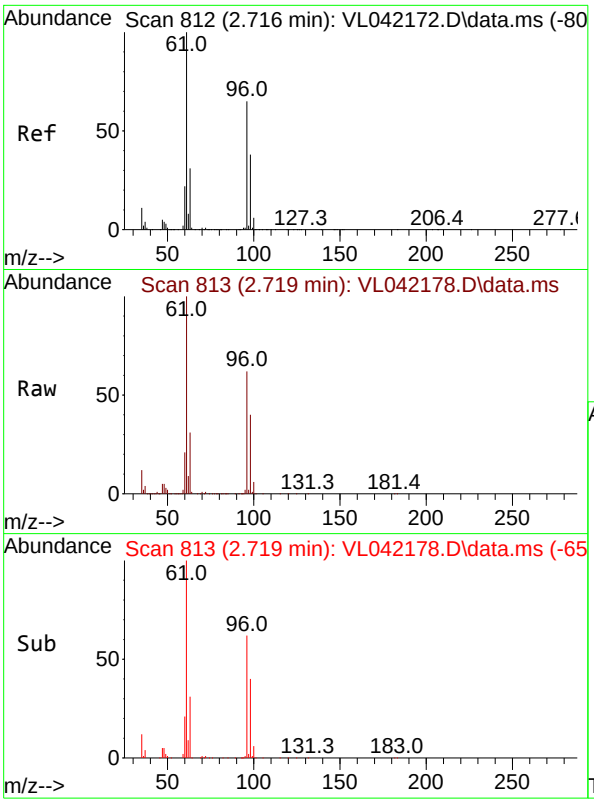


#30
Cyclohexane
Concen: 14.040 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 84 Resp: 296458

Ion	Ratio	Lower	Upper
84	100		
56	126.7	102.8	154.2
41	82.6	66.5	99.7



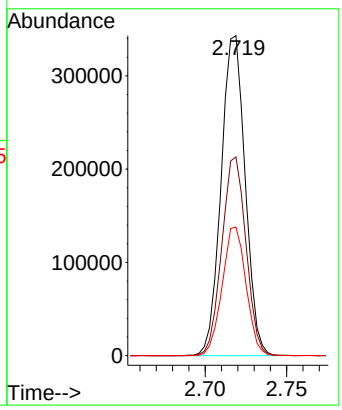


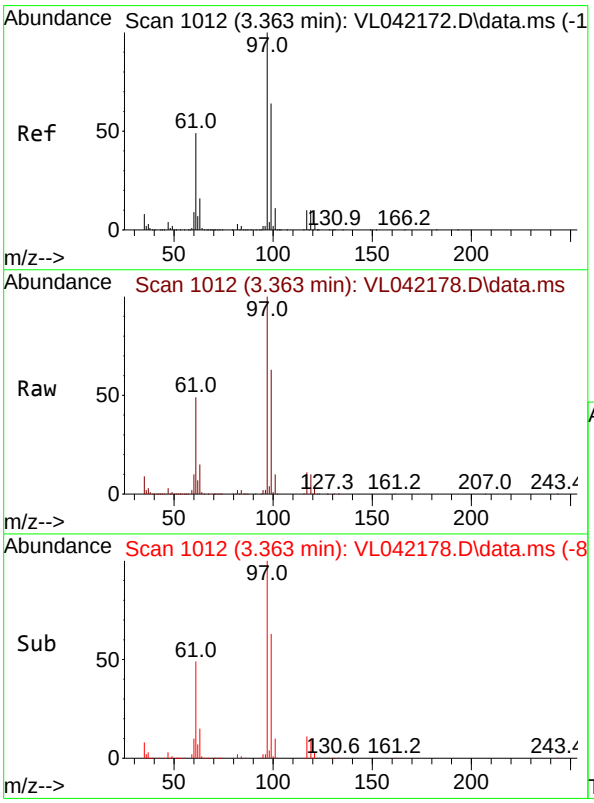
#31
cis-1,2-Dichloroethene
Concen: 14.262 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 351945

Ion	Ratio	Lower	Upper
61	100		
96	62.1	51.8	77.8
98	40.2	30.6	46.0

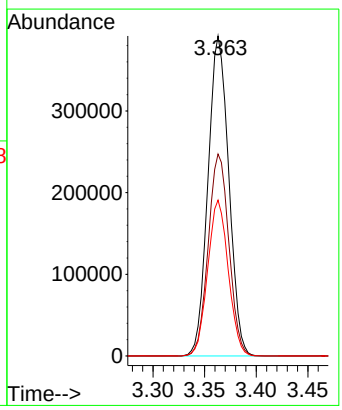


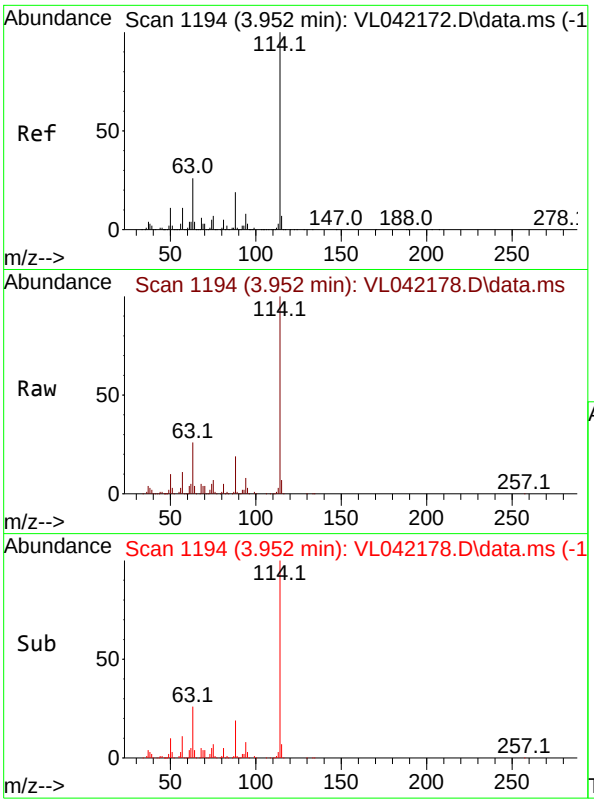


#32
1,1,1-Trichloroethane
Concen: 13.448 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 97 Resp: 547329

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.5	77.3
61	48.4	38.7	58.1



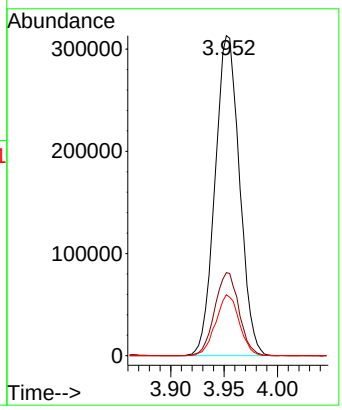


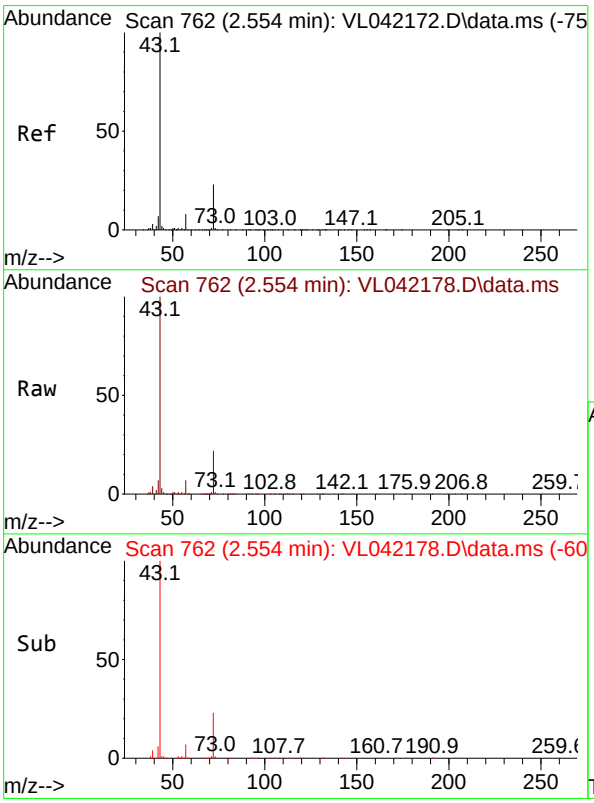
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 499360

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.7	31.1
88	18.4	15.0	22.4

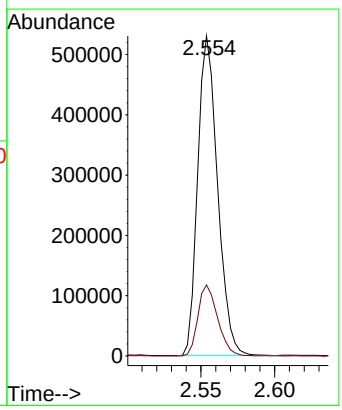


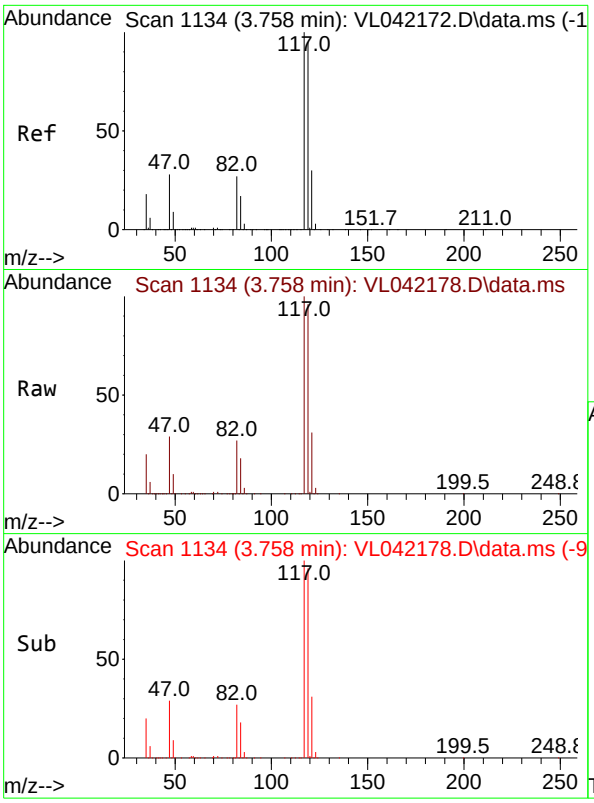


#34
2-Butanone
Concen: 13.726 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 497020

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2



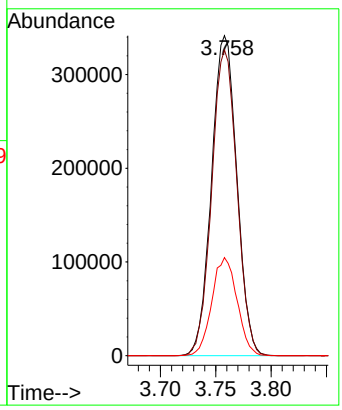


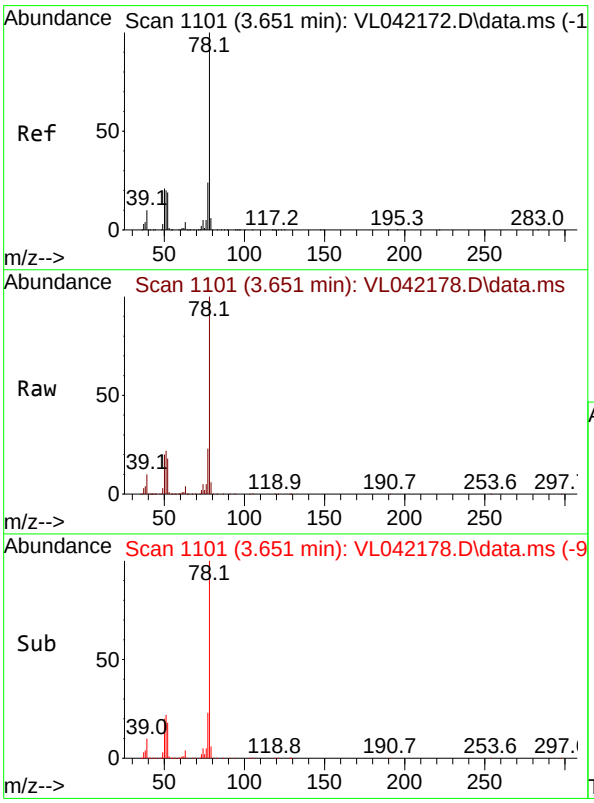
#35
Carbon Tetrachloride
Concen: 14.140 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 543385

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	30.6	24.2	36.4

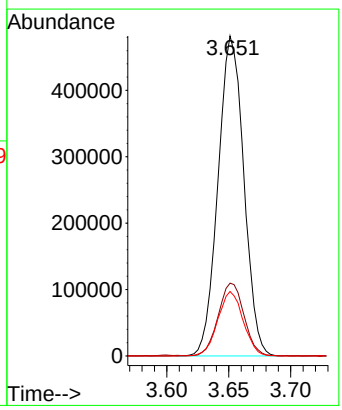


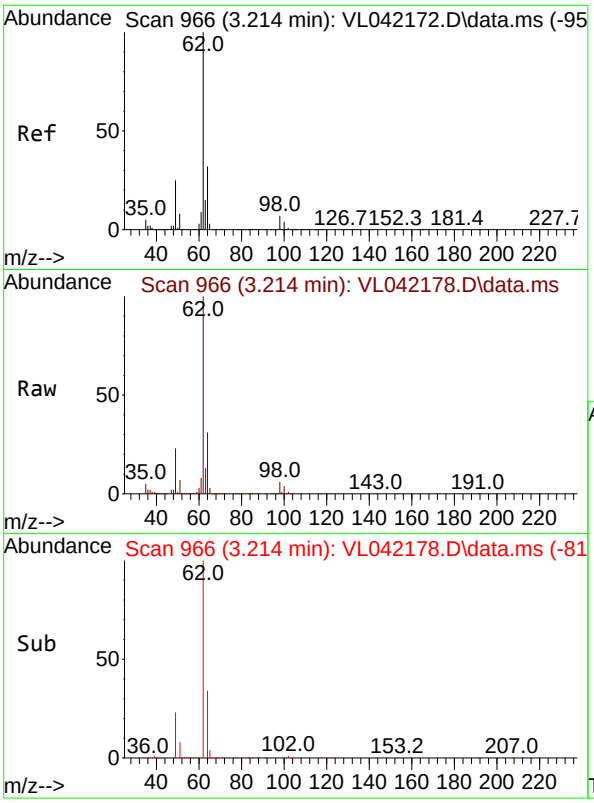


#36
Benzene
Concen: 14.131 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 78 Resp: 699549

Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7
50	20.1	16.6	24.8



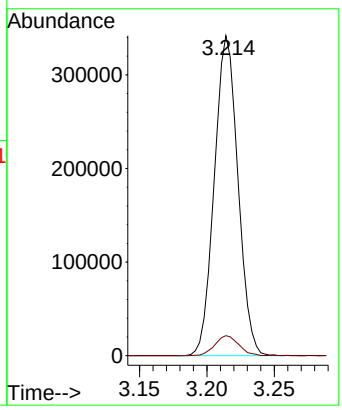


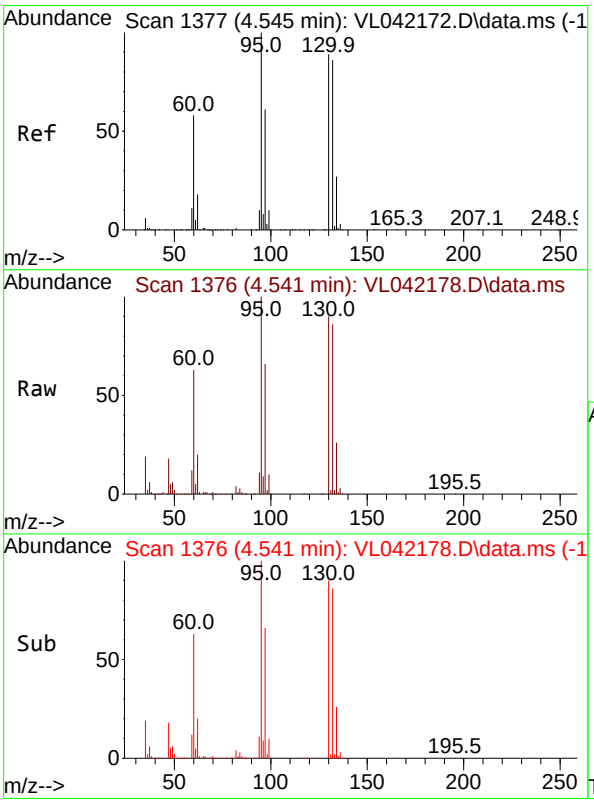
#37
1,2-Dichloroethane
Concen: 14.697 ppbv
RT: 3.214 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 416544

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.4	8.2

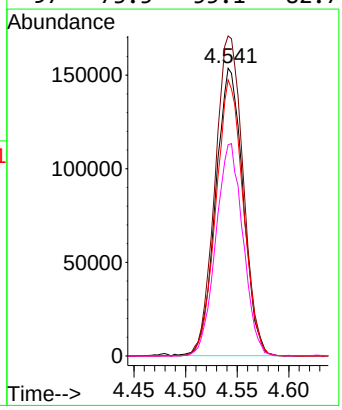


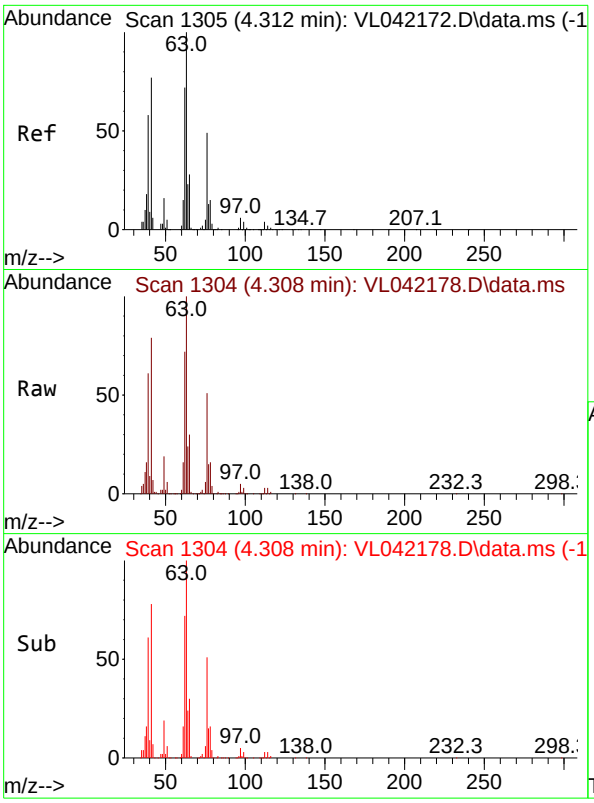


#38
Trichloroethene
Concen: 13.715 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:130 Resp: 283430

Ion	Ratio	Lower	Upper
130	100		
95	111.3	89.8	134.8
132	96.0	77.4	116.2
97	73.5	55.1	82.7



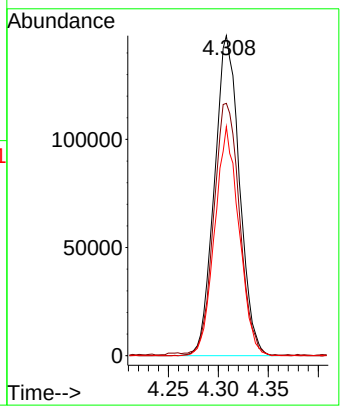


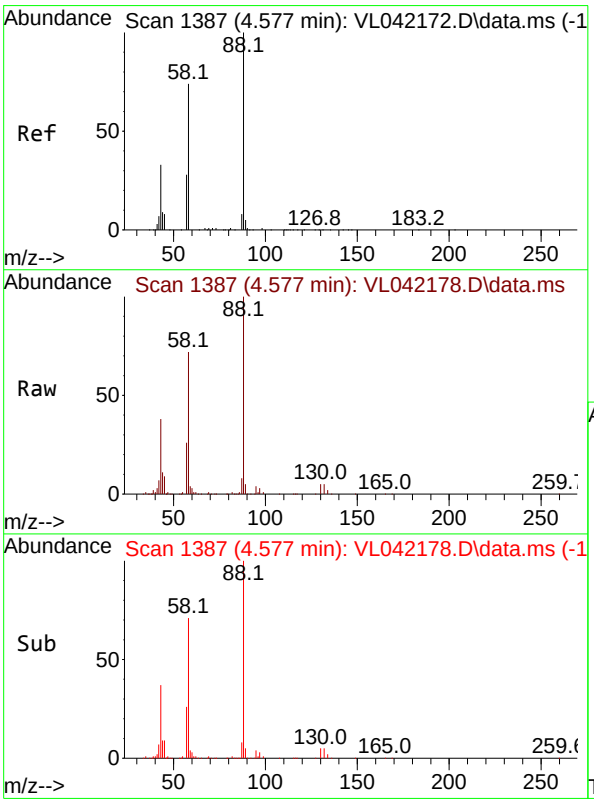
#39
1,2-Dichloropropane
Concen: 14.304 ppbv
RT: 4.308 min Scan# 1
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 257891

Ion	Ratio	Lower	Upper
63	100		
41	78.7	61.7	92.5
62	71.6	57.6	86.4

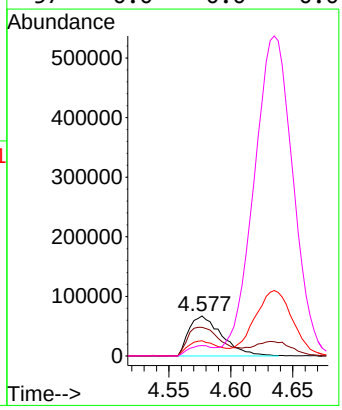


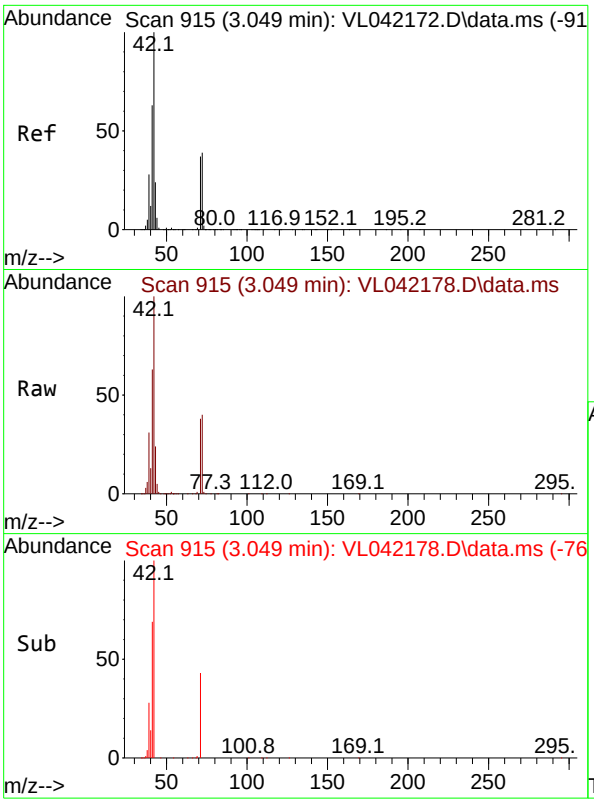


#40
1,4-Dioxane
Concen: 13.354 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 88 Resp: 124925

Ion	Ratio	Lower	Upper
88	100		
58	69.6	62.7	94.1
43	31.6	23.0	34.4
57	0.0	0.0	0.0



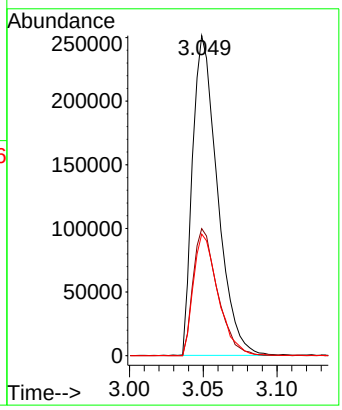


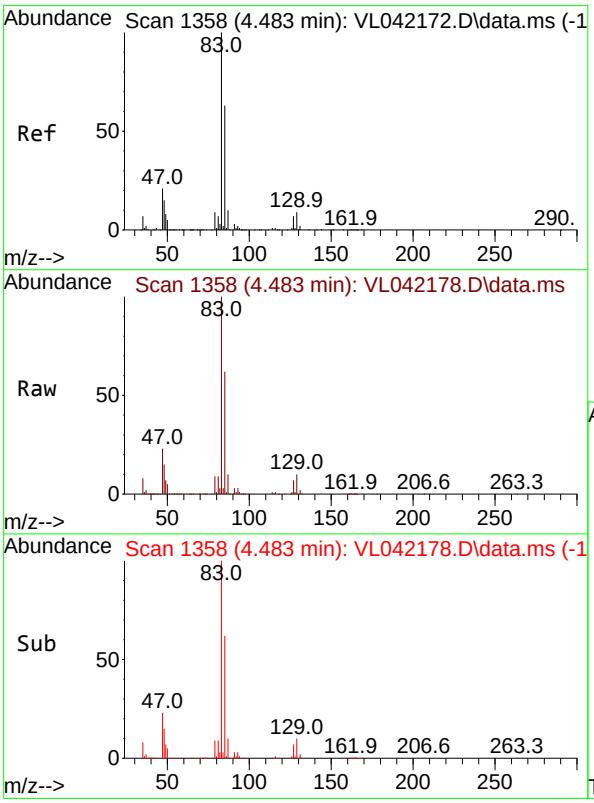
#41
Tetrahydrofuran
Concen: 14.301 ppbv
RT: 3.049 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 294634

Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.0
71	37.9	30.2	45.4

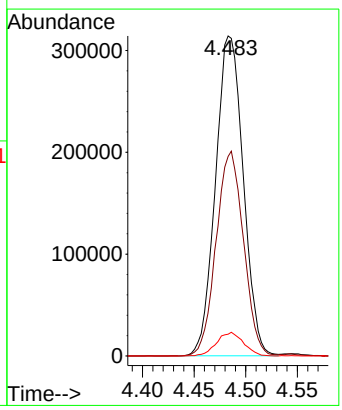


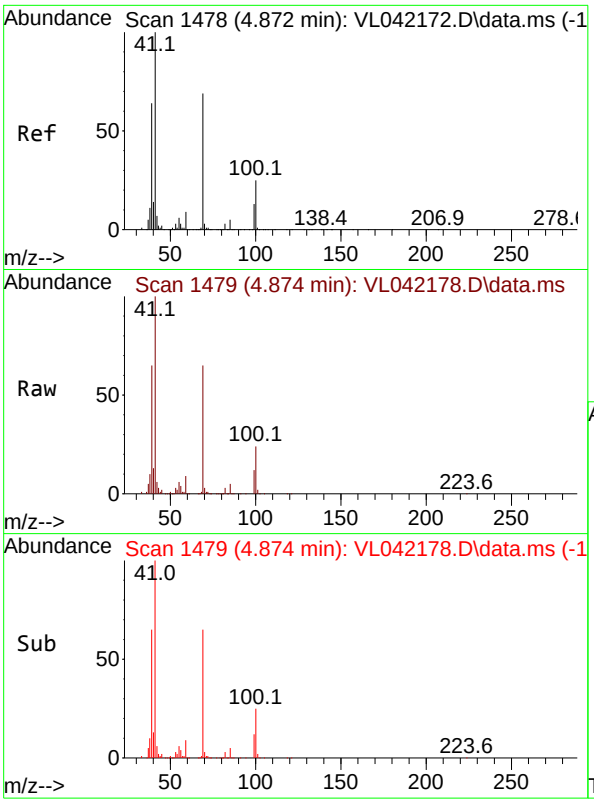


#42
Bromodichloromethane
Concen: 15.043 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 83 Resp: 587772

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	6.8	5.9	8.9



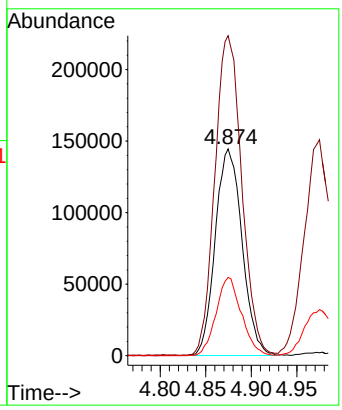


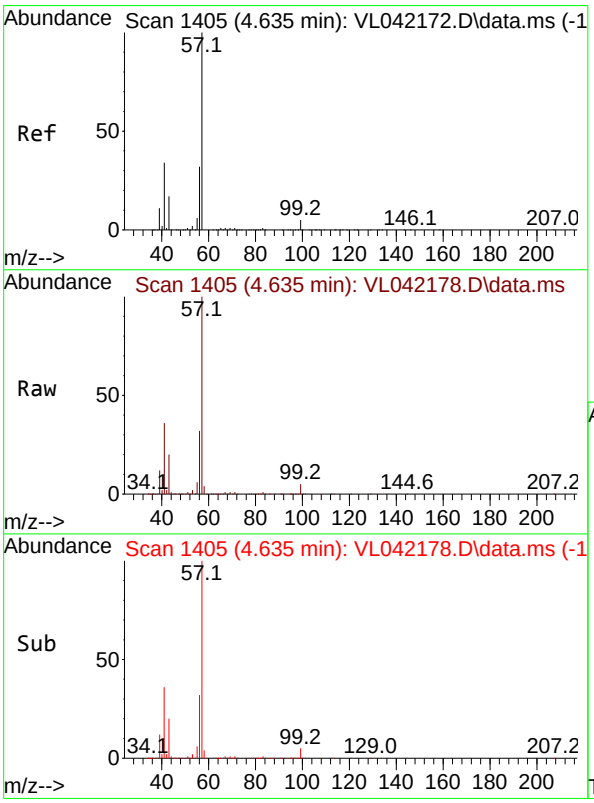
#43
Methyl Methacrylate
Concen: 14.130 ppbv
RT: 4.874 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 295300

Ion	Ratio	Lower	Upper
69	100		
41	155.4	123.8	185.6
100	36.0	28.4	42.6

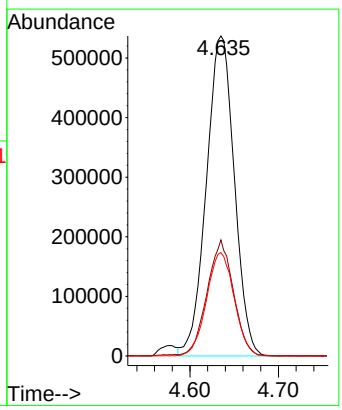


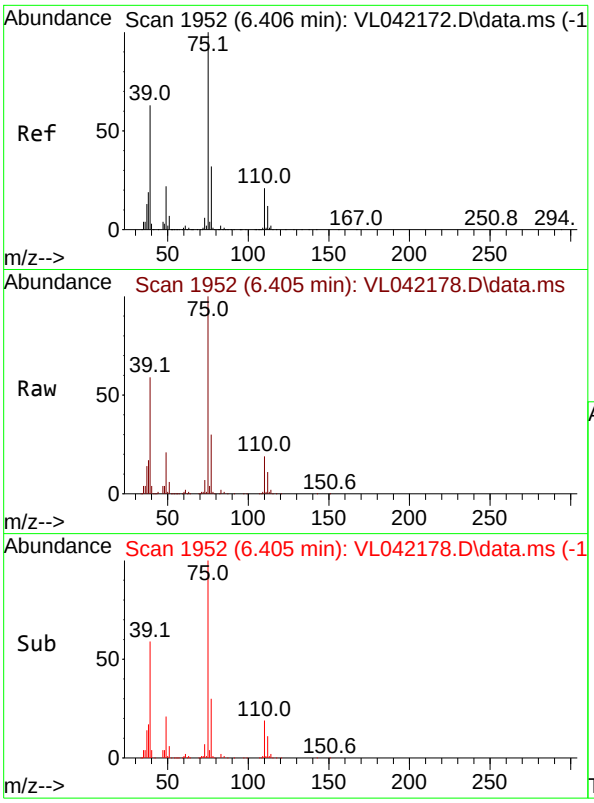


#44
2,2,4-Trimethylpentane
Concen: 14.108 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 57 Resp: 1180275

Ion	Ratio	Lower	Upper
57	100		
41	34.2	26.8	40.2
56	31.9	25.6	38.4



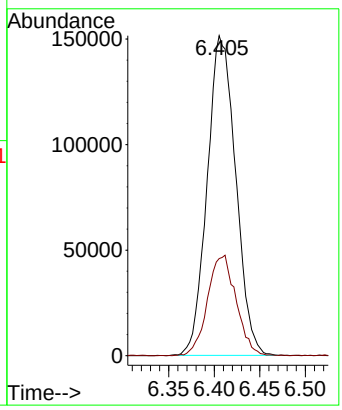


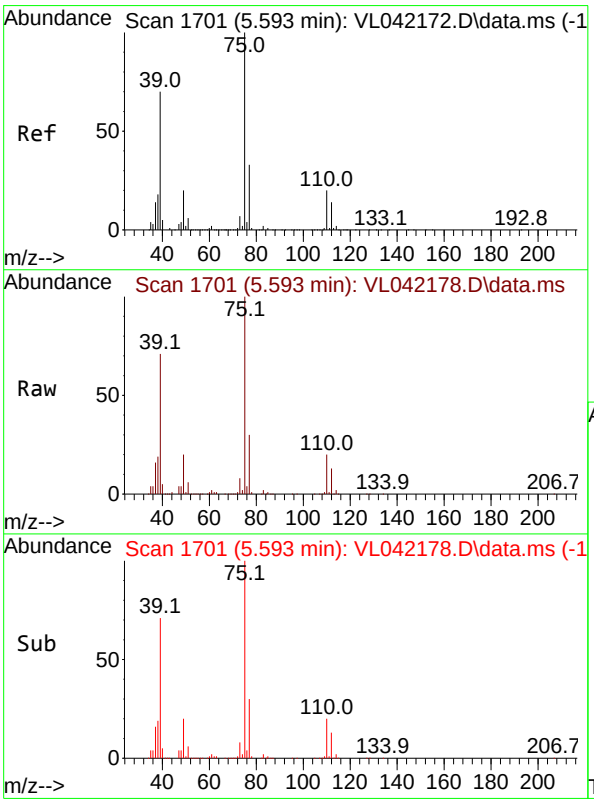
#45
t-1,3-Dichloropropene
Concen: 14.649 ppbv
RT: 6.405 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 329360

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.0	39.0

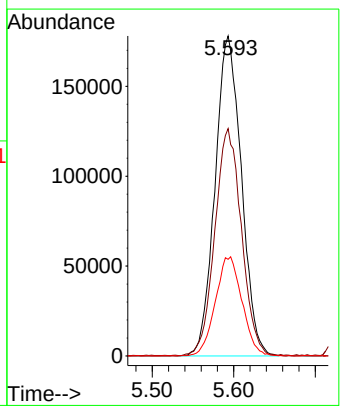


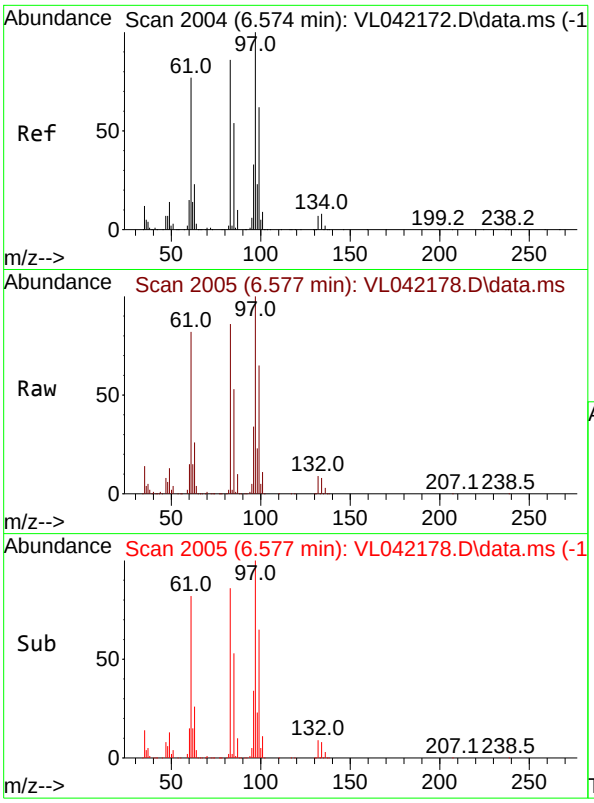


#46
cis-1,3-Dichloropropene
Concen: 14.542 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 75 Resp: 400813

Ion	Ratio	Lower	Upper
75	100		
39	70.9	55.8	83.6
77	30.2	26.0	39.0



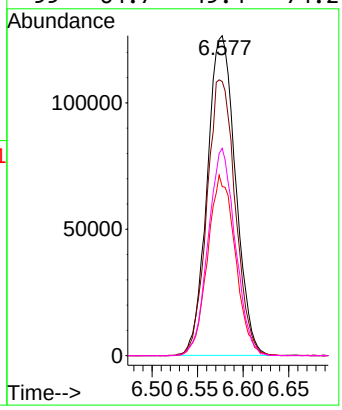


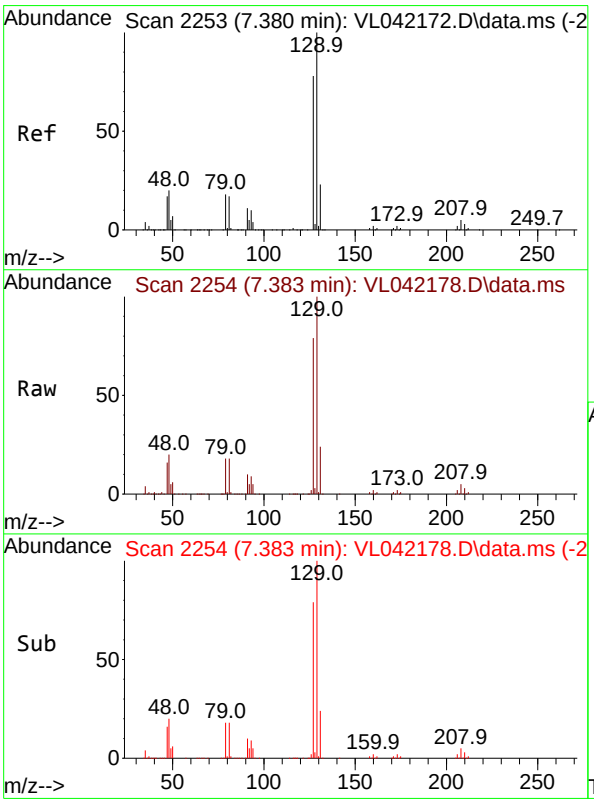
#47
1,1,2-Trichloroethane
Concen: 14.331 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 273137

Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.2	103.8
85	52.7	43.1	64.7
99	64.7	49.4	74.2

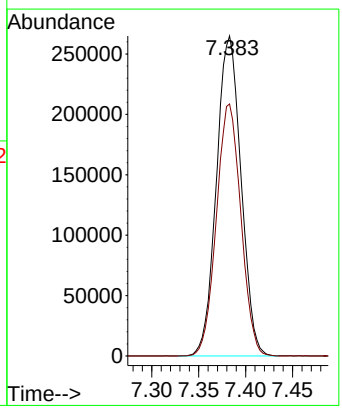


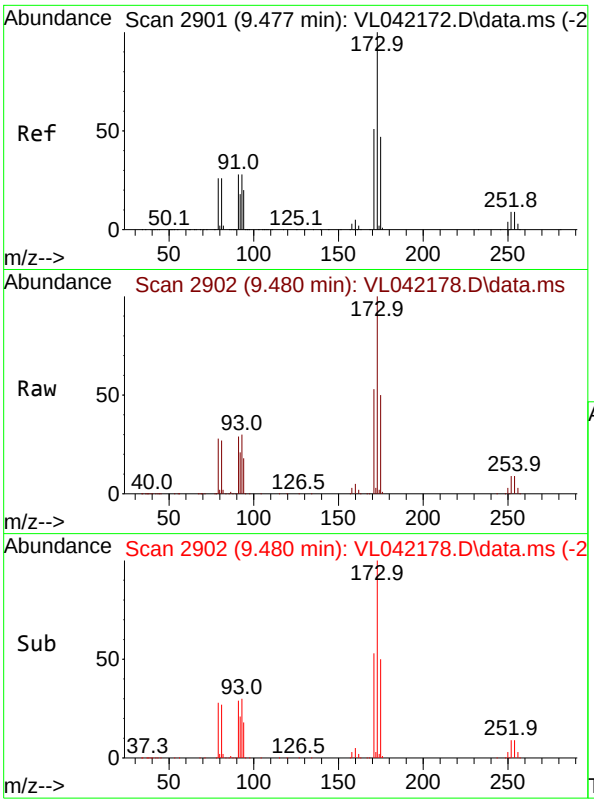


#48
Dibromochloromethane
Concen: 14.936 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:129 Resp: 482431

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2



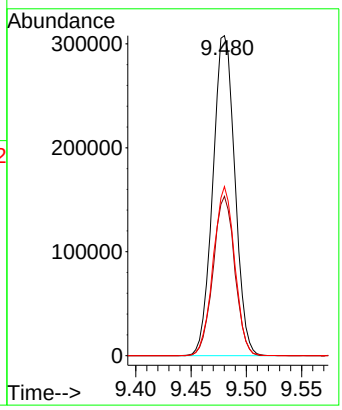


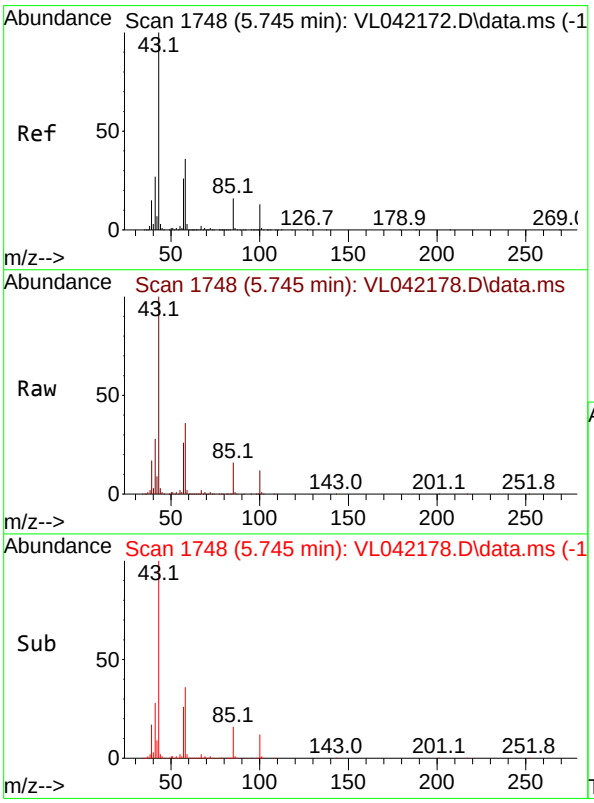
#49
Bromoform
Concen: 14.730 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 427143

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	57.8
171	51.5	41.8	62.6

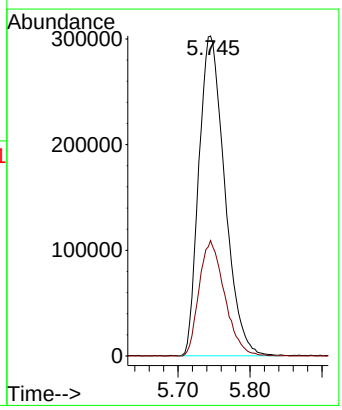


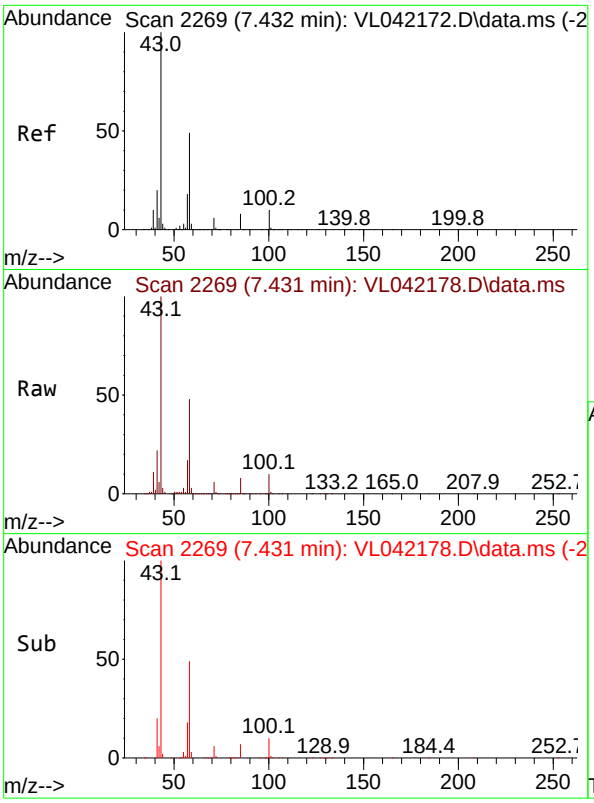


#50
4-Methyl-2-Pentanone
Concen: 13.155 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 43 Resp: 755146

Ion	Ratio	Lower	Upper
43	100		
58	35.5	29.0	43.6



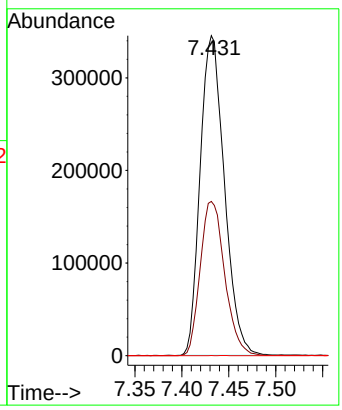


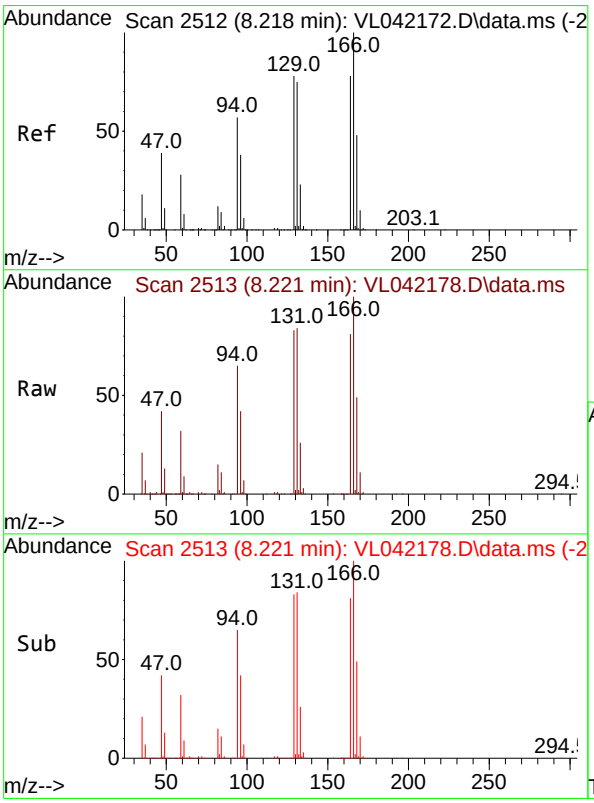
#51
2-Hexanone
Concen: 13.005 ppbv
RT: 7.431 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 619419

Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.7	59.5
98	0.0	0.1	0.1#

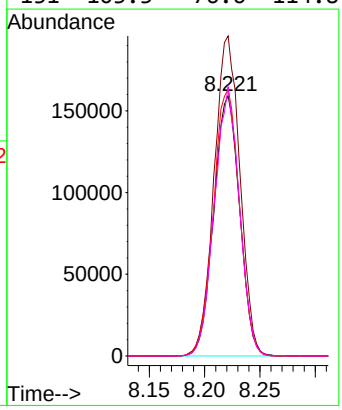


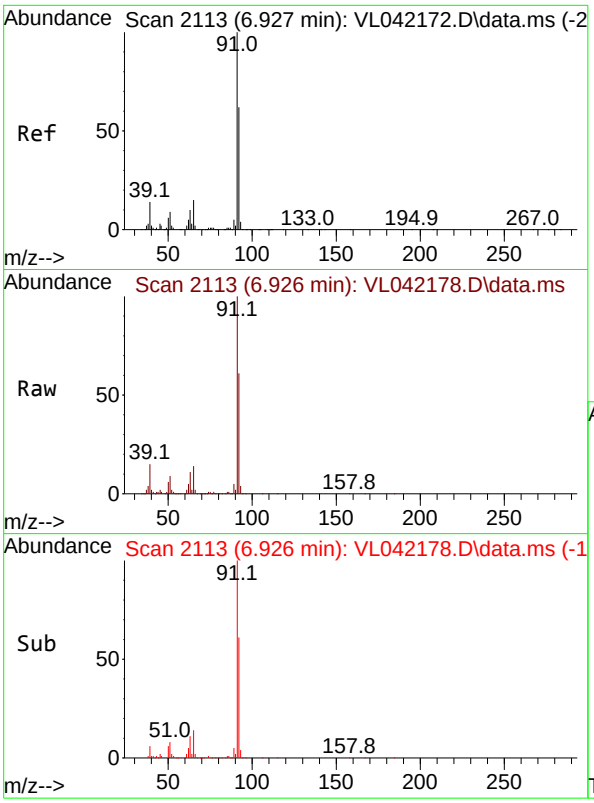


#52
Tetrachloroethene
Concen: 13.159 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:164 Resp: 258356

Ion	Ratio	Lower	Upper
164	100		
166	123.0	102.5	153.7
129	102.5	79.8	119.8
131	103.3	76.6	114.8



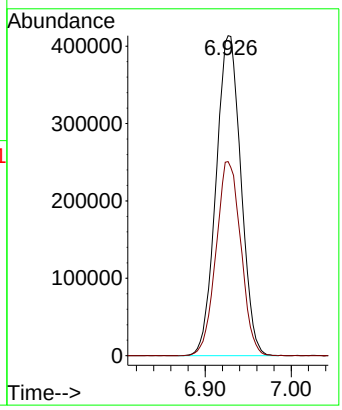


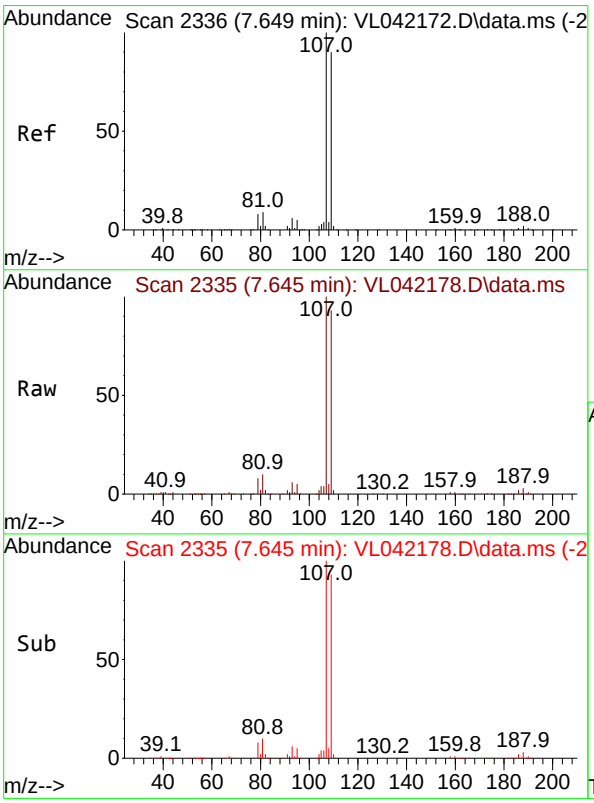
#53
Toluene
Concen: 14.137 ppbv
RT: 6.926 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 829648

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.4	72.6

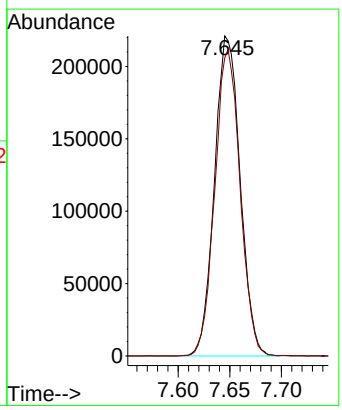


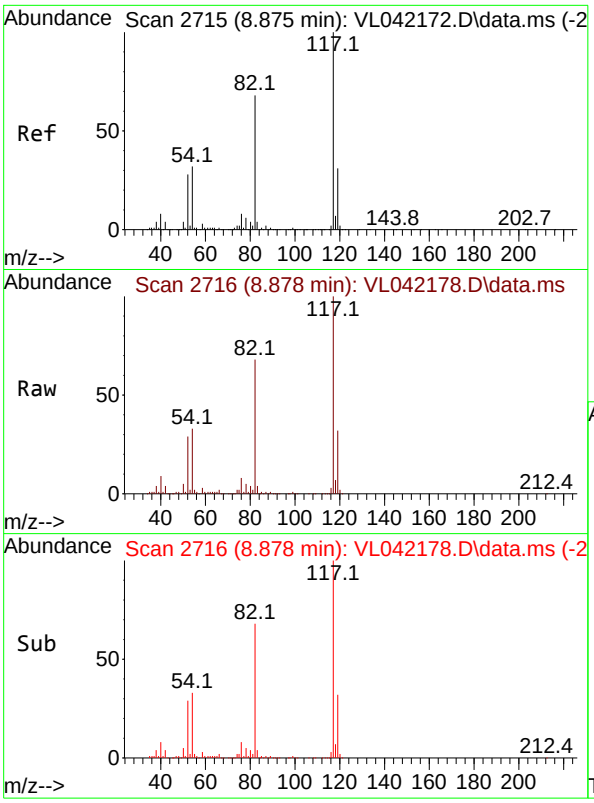


#54
1,2-Dibromoethane
Concen: 14.359 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:107 Resp: 381823

Ion	Ratio	Lower	Upper
107	100		
109	93.2	72.2	108.4



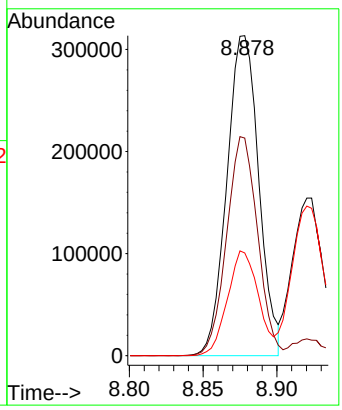


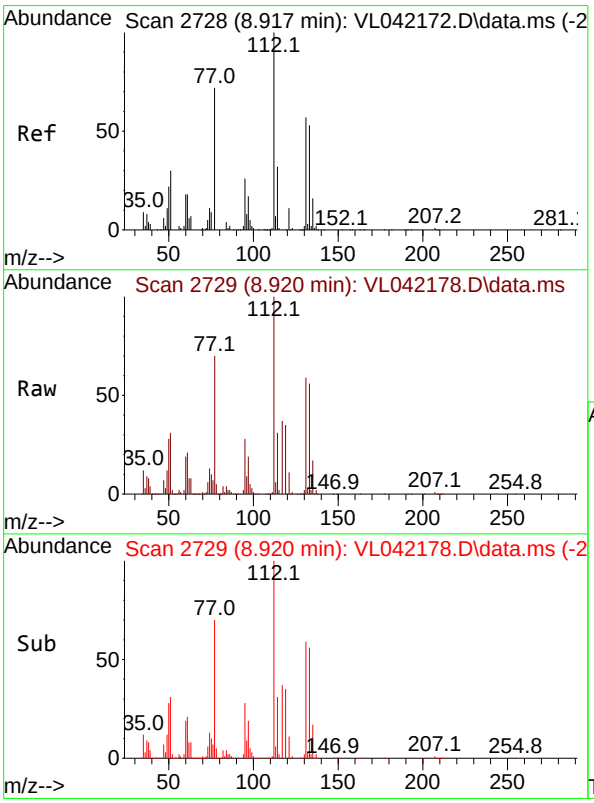
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 473077

Ion	Ratio	Lower	Upper
117	100		
82	71.4	55.8	83.6
119	31.7	25.5	38.3

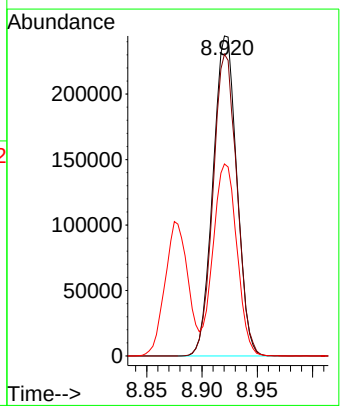


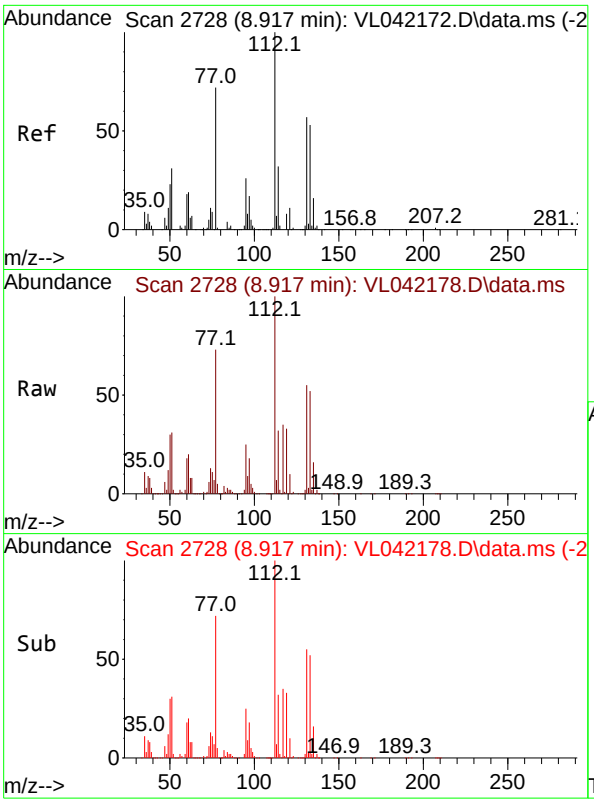


#56
1,1,1,2-Tetrachloroethane
Concen: 14.032 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:131 Resp: 365410

Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.6	114.8
119	61.2	49.8	74.6



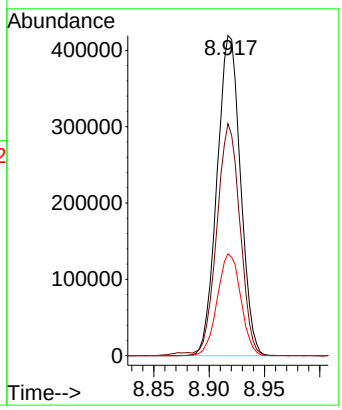


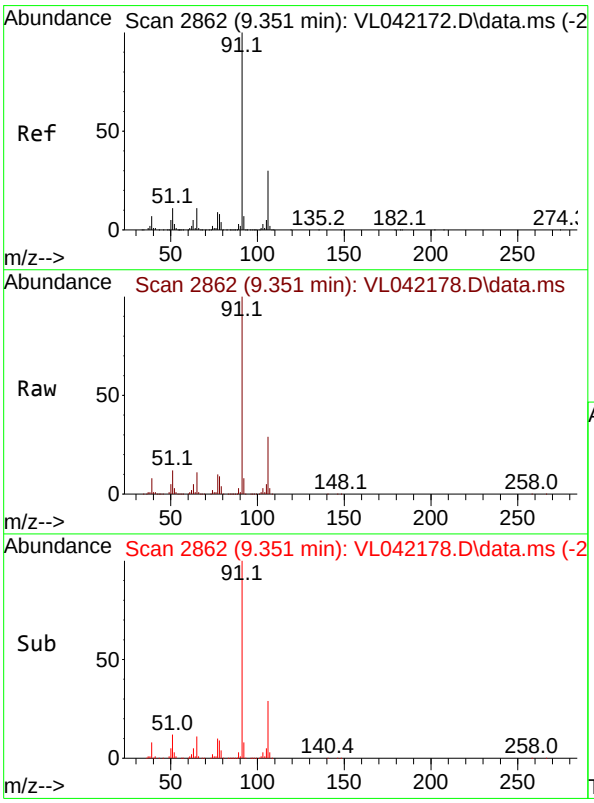
#57
Chlorobenzene
Concen: 13.777 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 618201

Ion	Ratio	Lower	Upper
112	100		
77	72.5	58.2	87.2
114	31.8	29.1	35.5

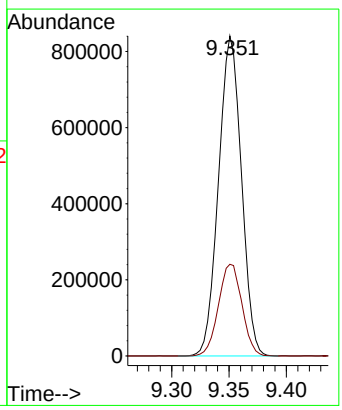


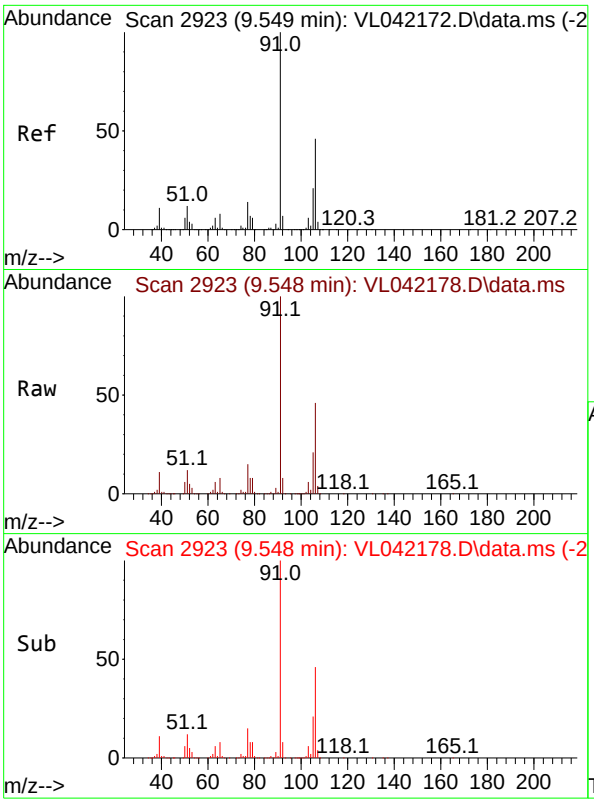


#58
Ethyl Benzene
Concen: 13.889 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 1167096

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.2	36.2



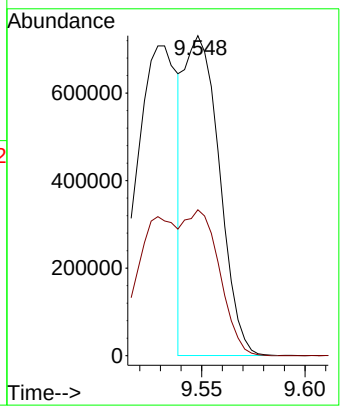


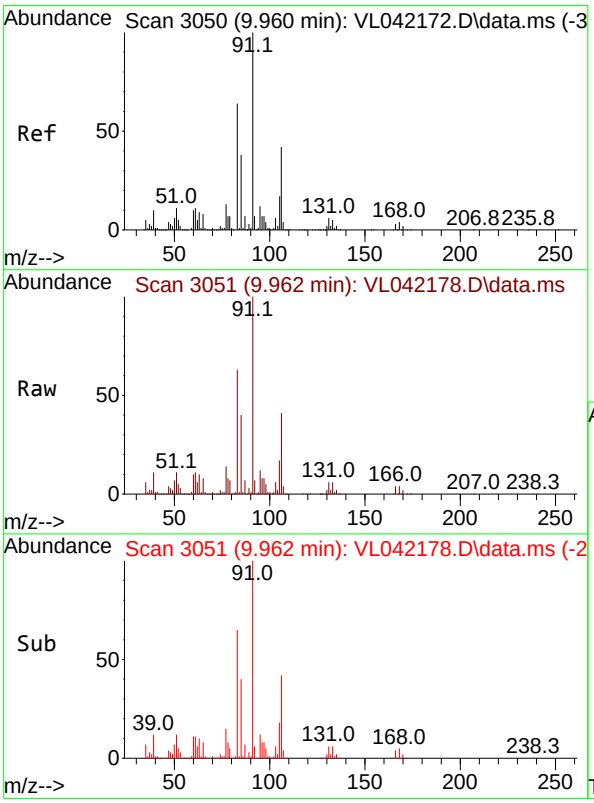
#59
m/p-Xylene
Concen: 12.901 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 866684

Ion	Ratio	Lower	Upper
91	100		
106	96.9	36.4	54.6#

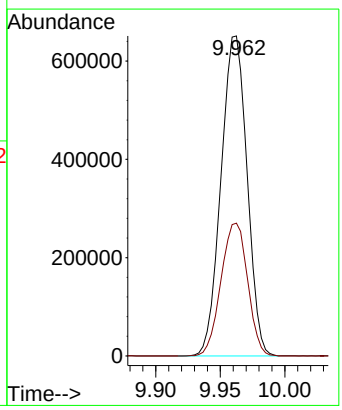


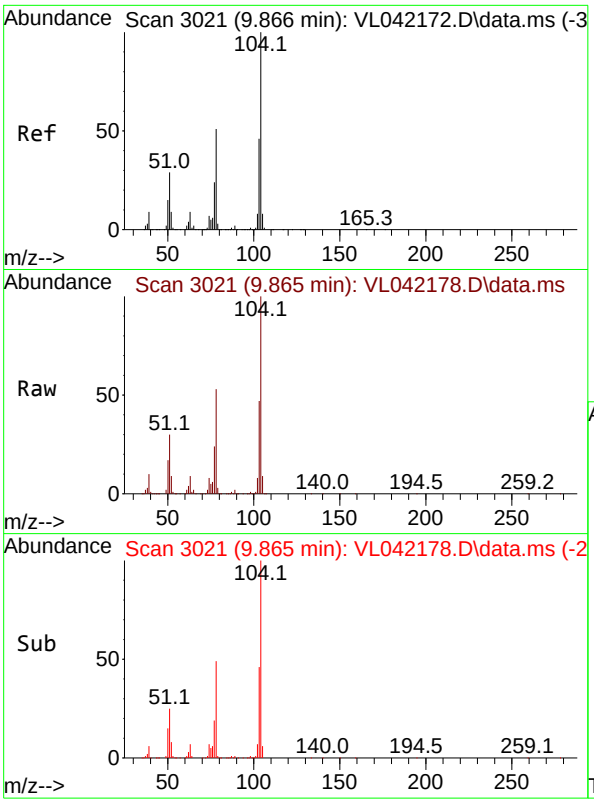


#60
o-Xylene
Concen: 13.577 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 913234

Ion	Ratio	Lower	Upper
91	100		
106	42.4	20.8	62.5



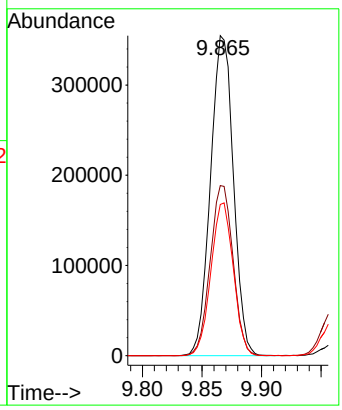


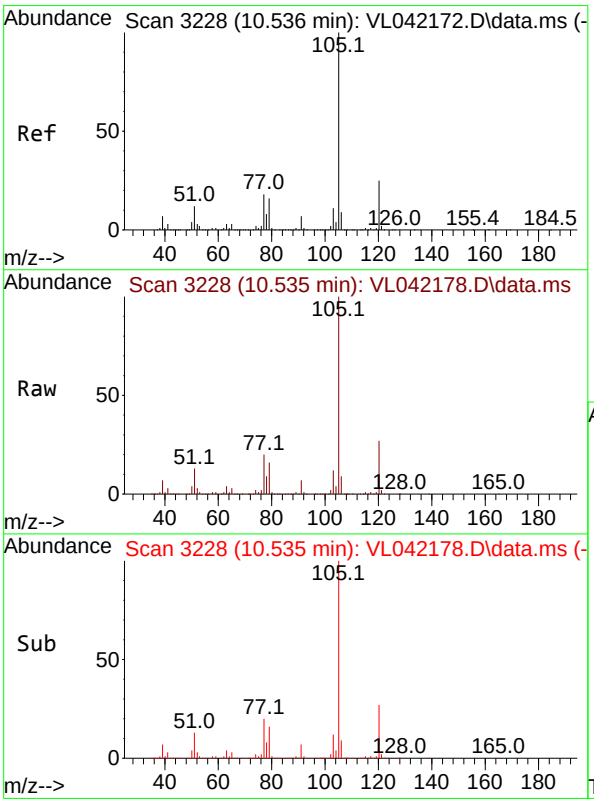
#61
Styrene
Concen: 14.250 ppbv
RT: 9.865 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 474195

Ion	Ratio	Lower	Upper
104	100		
78	53.0	41.8	62.6
103	46.7	37.0	55.4

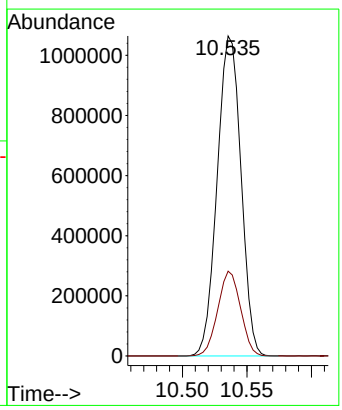


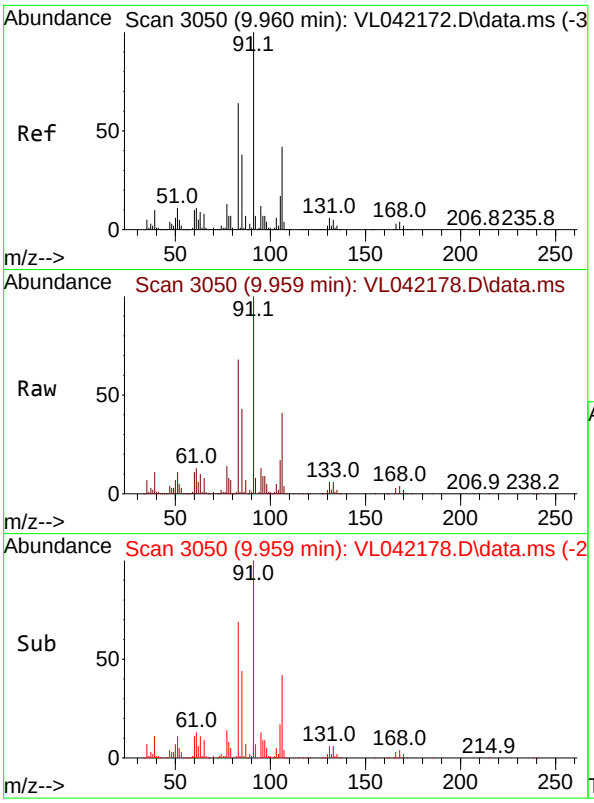


#62
Isopropylbenzene
Concen: 13.544 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1362416

Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.9	29.9



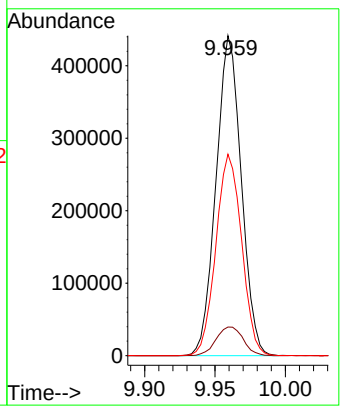


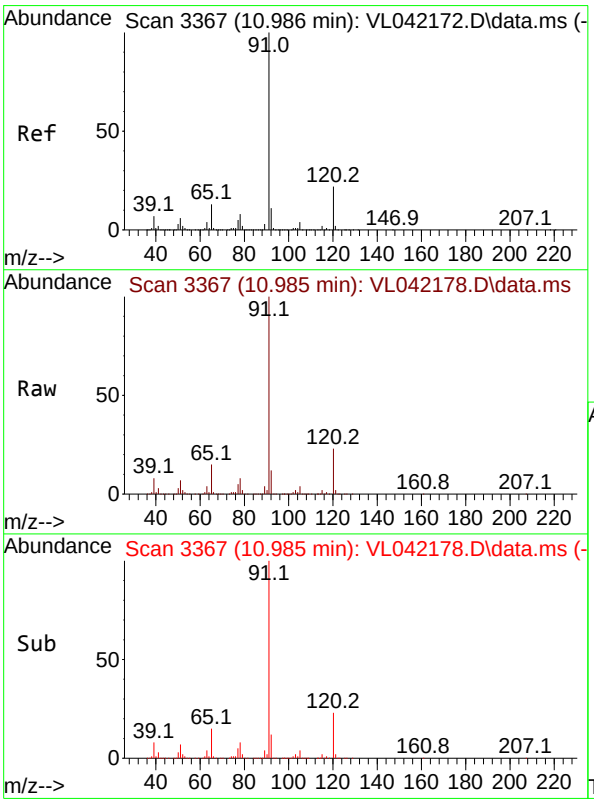
#63
1,1,2,2-Tetrachloroethane
Concen: 13.491 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 551386

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	64.2	32.5	97.5

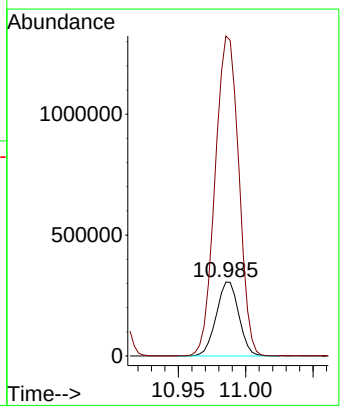


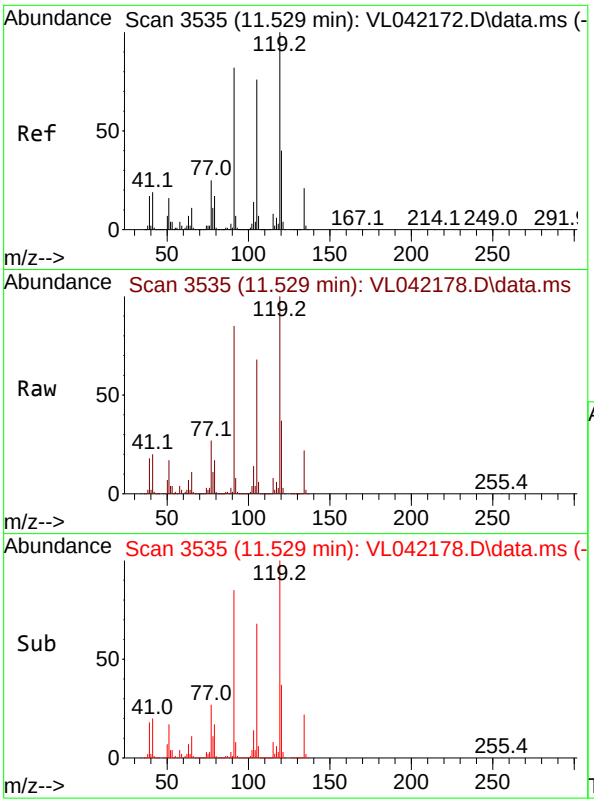


#64
n-propylbenzene
Concen: 13.753 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:120 Resp: 356118

Ion	Ratio	Lower	Upper
120	100		
91	455.4	376.9	565.3



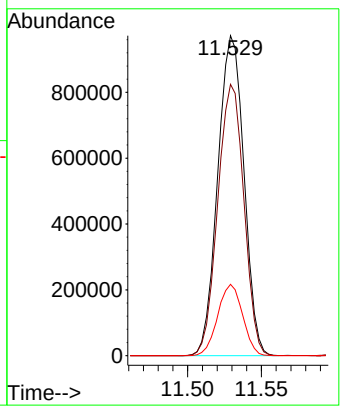


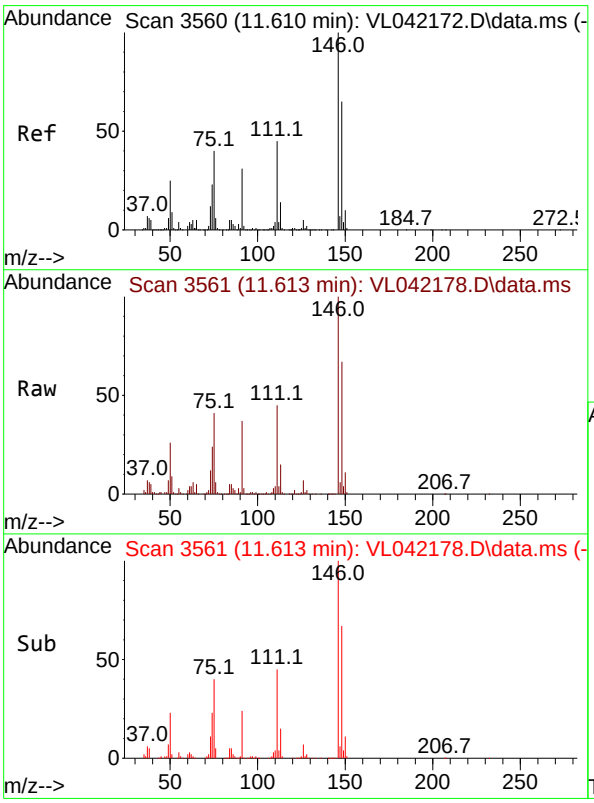
#65
tert-Butylbenzene
Concen: 12.901 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 1200149

Ion	Ratio	Lower	Upper
119	100		
91	84.6	66.0	99.0
134	21.2	16.7	25.1

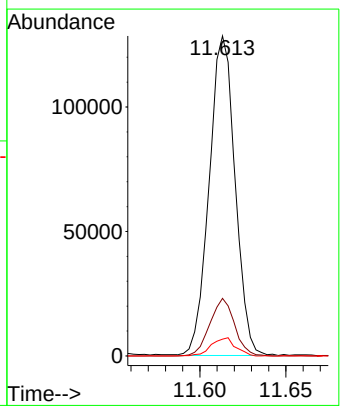


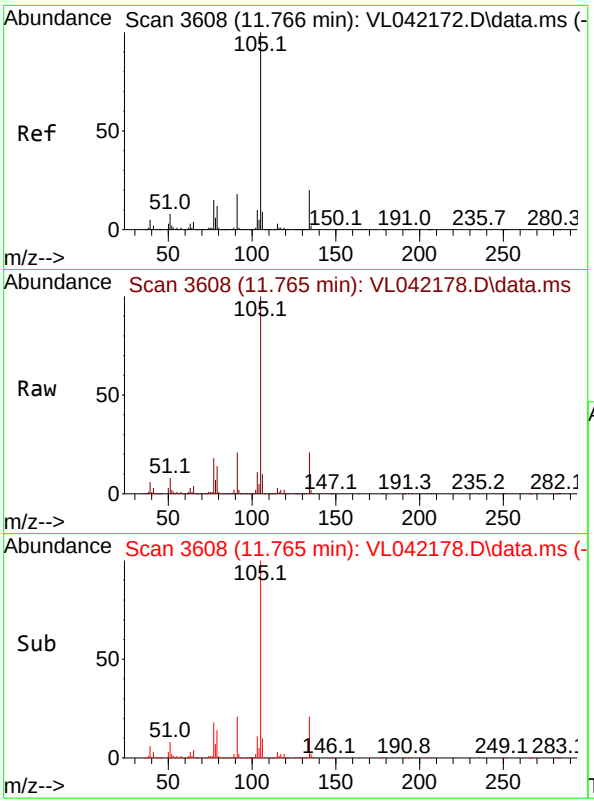


#66
Benzyl Chloride
Concen: 13.615 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 134397

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.6
128	5.4	4.5	6.7



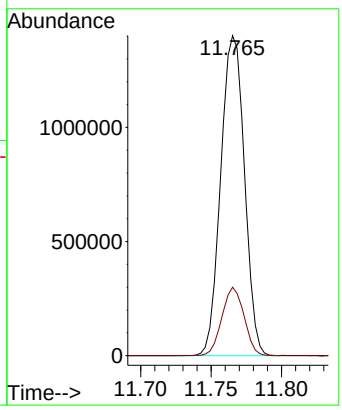


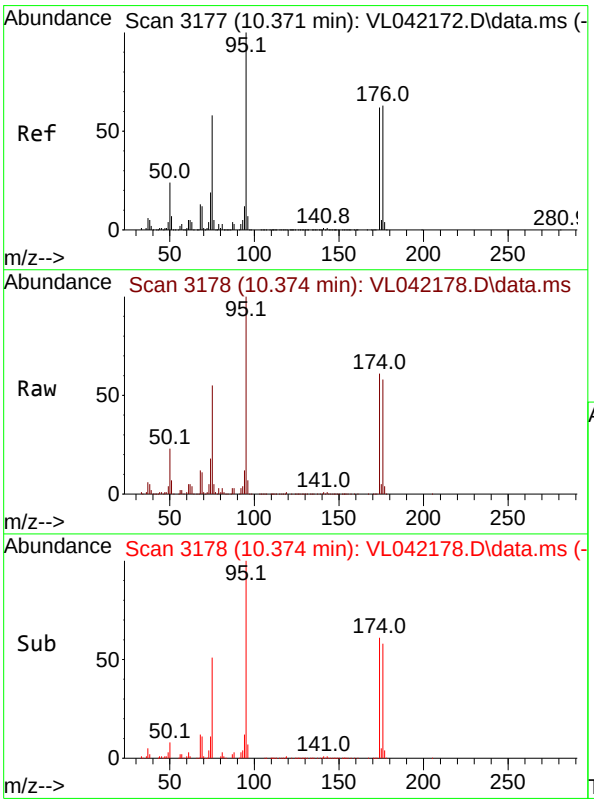
#67
sec-Butylbenzene
Concen: 12.711 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 1643629

Ion	Ratio	Lower	Upper
105	100		
134	20.0	15.5	23.3

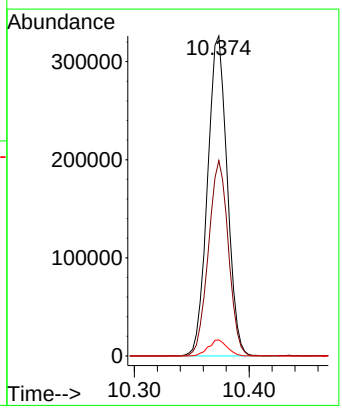


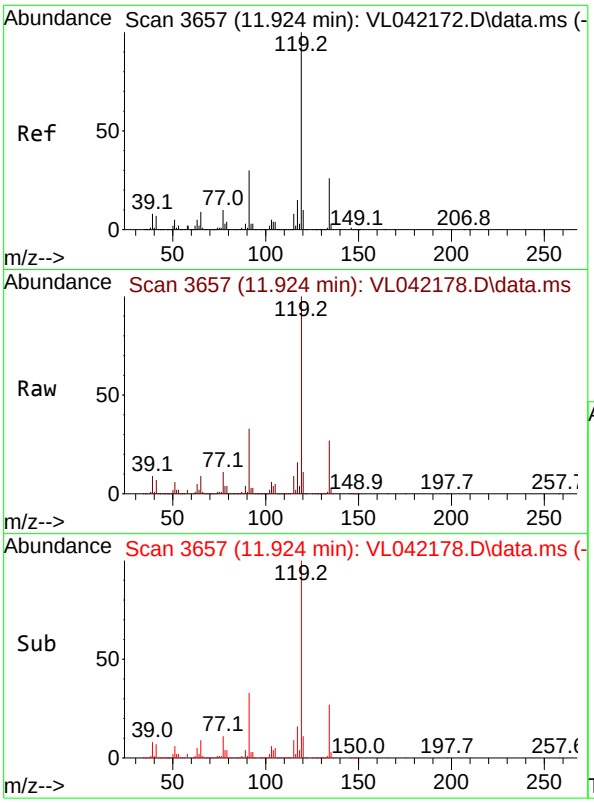


#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 95 Resp: 387777

Ion	Ratio	Lower	Upper
95	100		
174	62.1	50.6	76.0
175	4.8	3.8	5.6



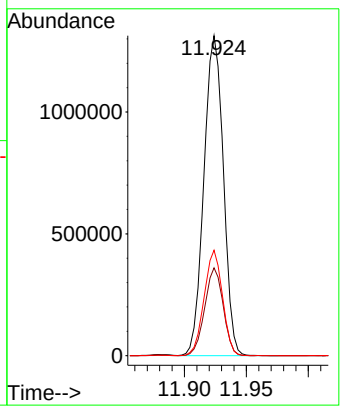


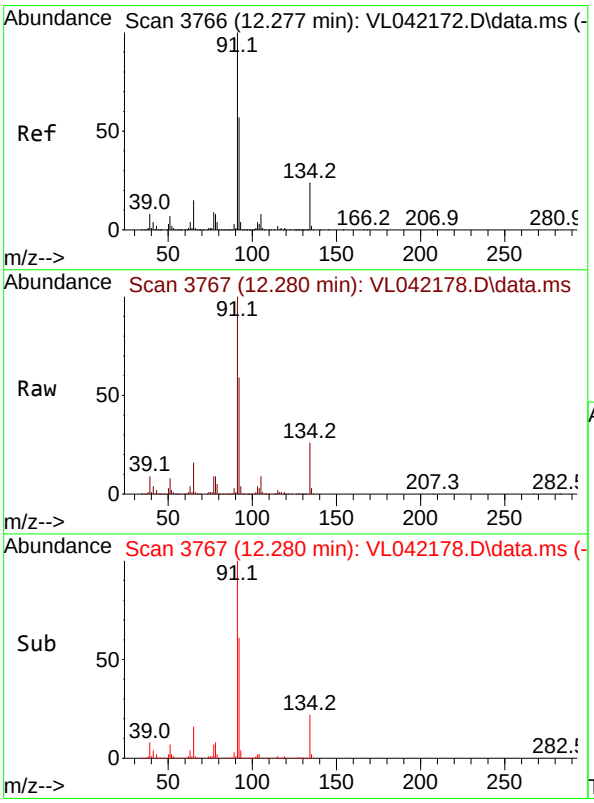
#69
p-Isopropyltoluene
Concen: 12.906 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 1437016

Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.4	30.6
91	31.2	23.7	35.5

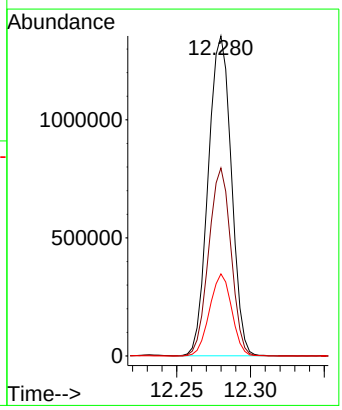


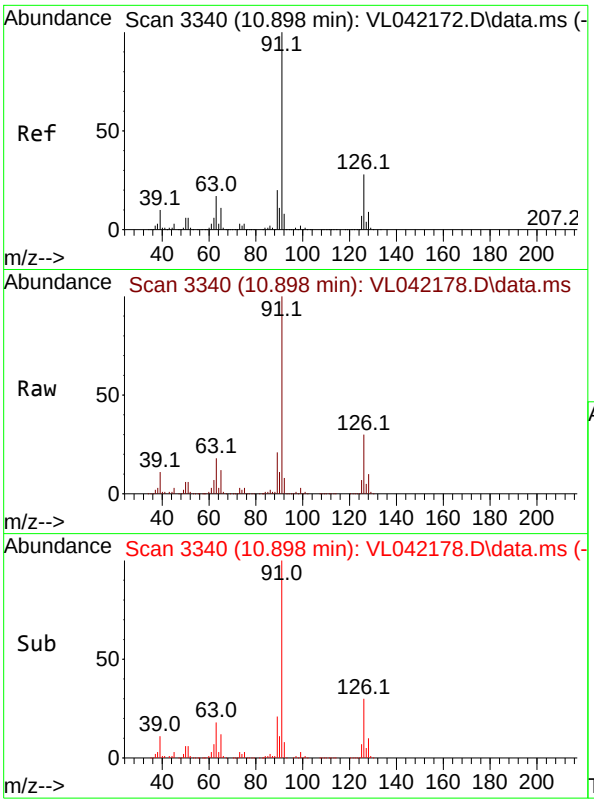


#70
n-Butylbenzene
Concen: 12.975 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 1477443

Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.9	67.3
134	24.6	19.2	28.8



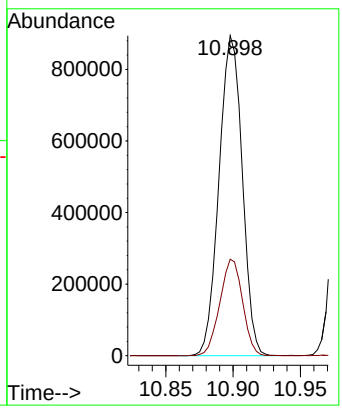


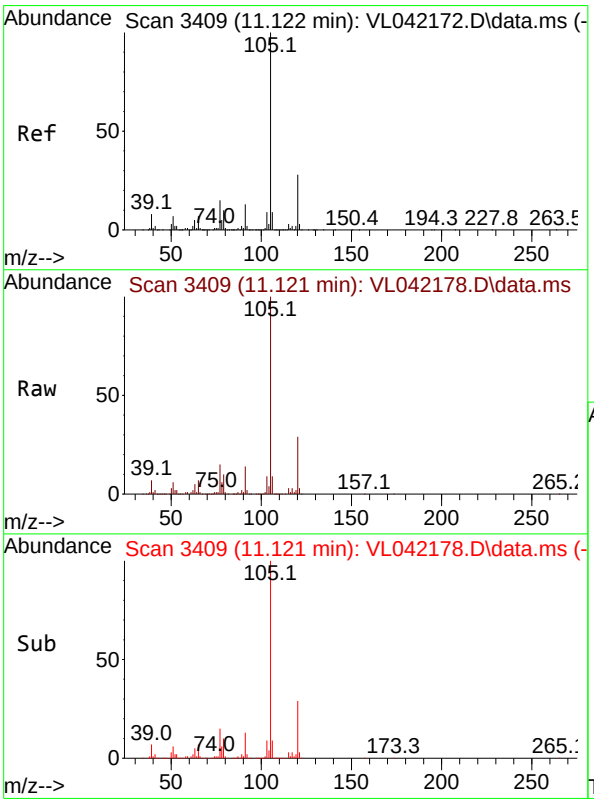
#71
2-Chlorotoluene
Concen: 13.724 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 1071432

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.6	46.4

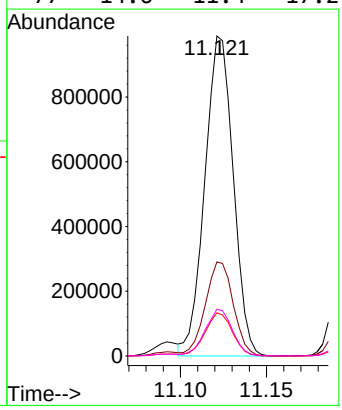


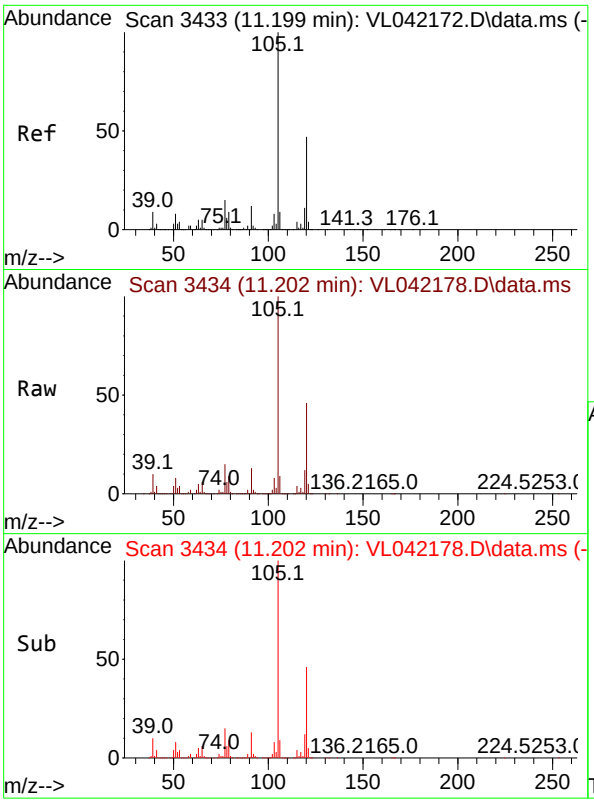


#72
4-Ethyltoluene
Concen: 13.569 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1136415

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.4	35.0
91	13.5	10.3	15.5
77	14.6	11.4	17.2



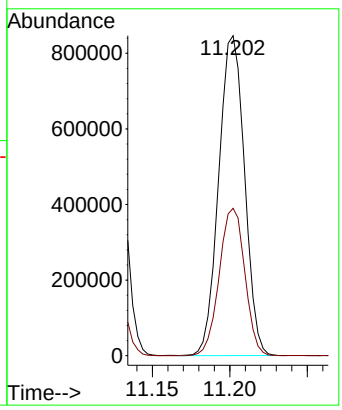


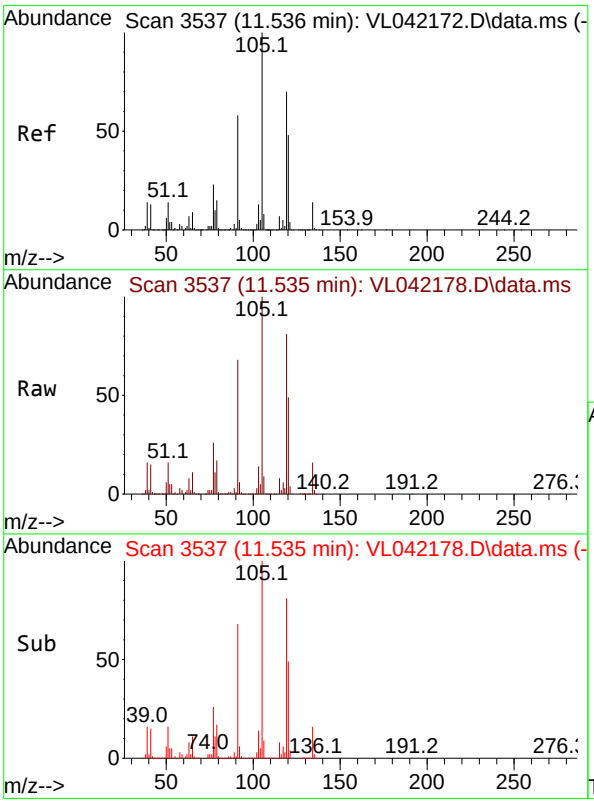
#73
1,3,5-Trimethylbenzene
Concen: 13.395 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 979783

Ion	Ratio	Lower	Upper
105	100		
120	46.1	37.4	56.0

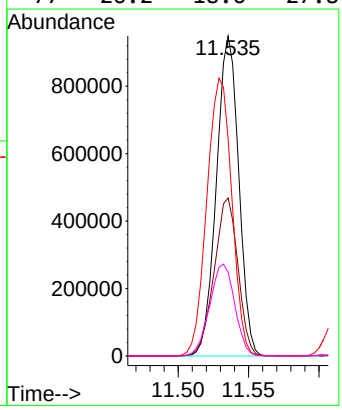


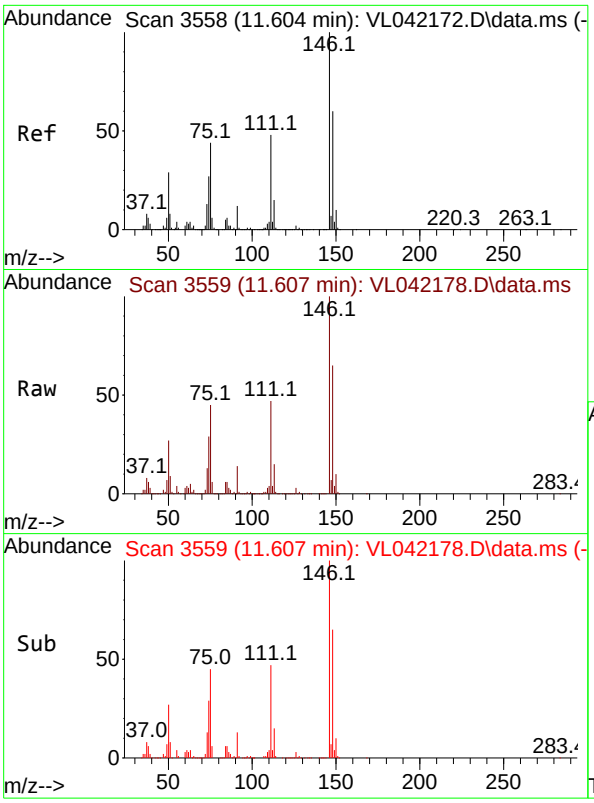


#74
1,2,4-Trimethylbenzene
Concen: 12.447 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1048874

Ion	Ratio	Lower	Upper
105	100		
120	49.3	38.6	58.0
91	67.8	46.2	69.2
77	26.2	18.6	27.8



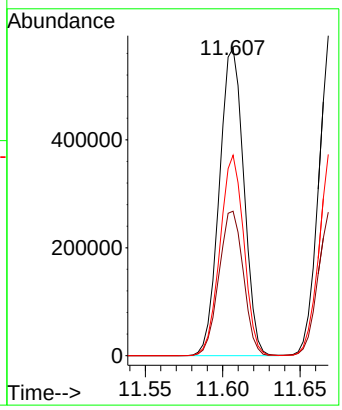


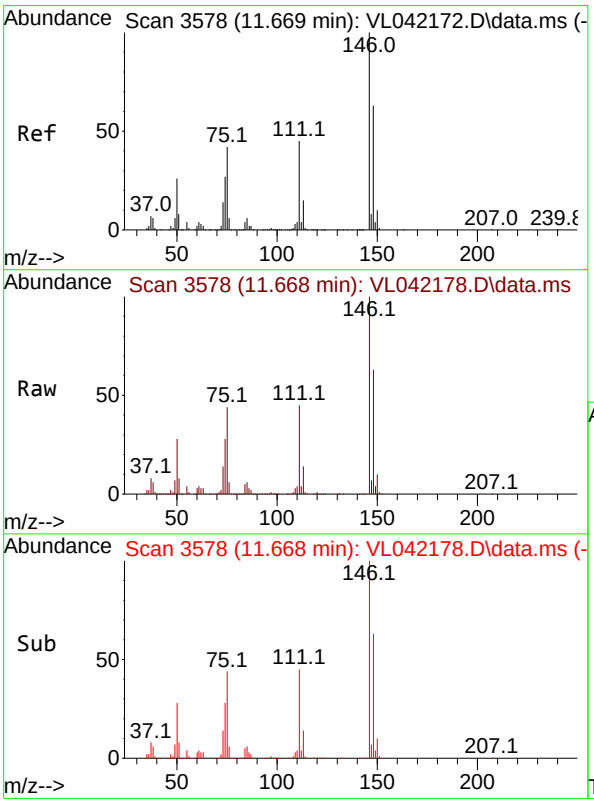
#75
1,3-Dichlorobenzene
Concen: 13.545 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 626015

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.8	71.2
148	63.5	31.9	95.9

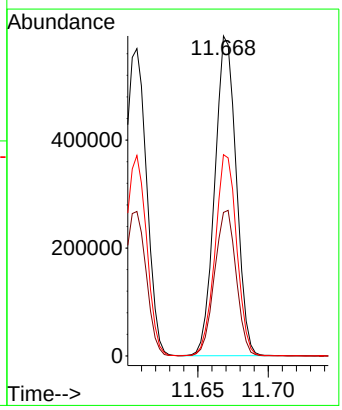


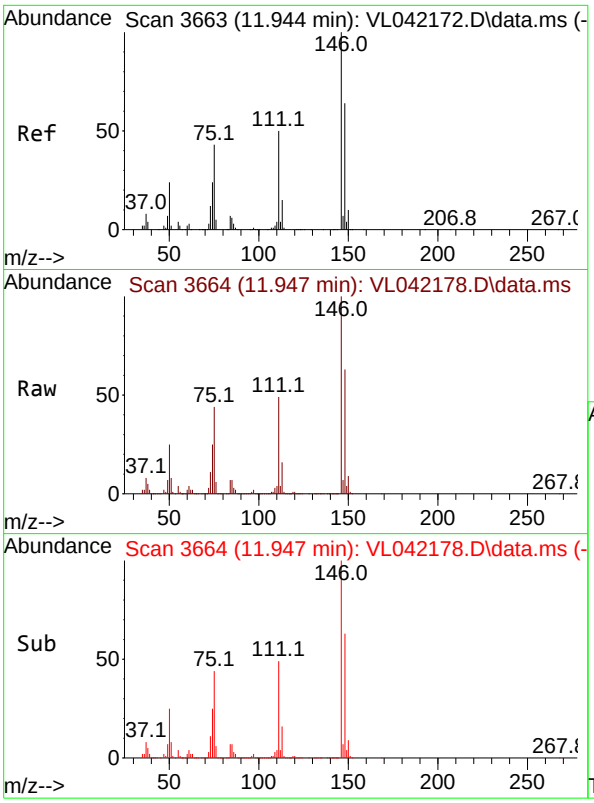


#76
1,4-Dichlorobenzene
Concen: 13.668 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:146 Resp: 628694

Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.0	69.0
148	63.6	31.9	95.7



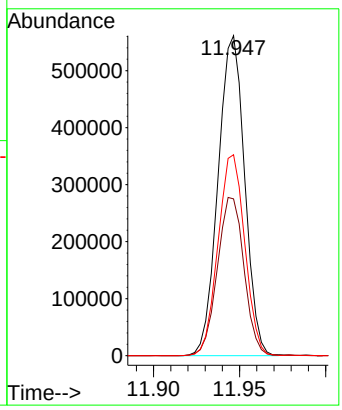


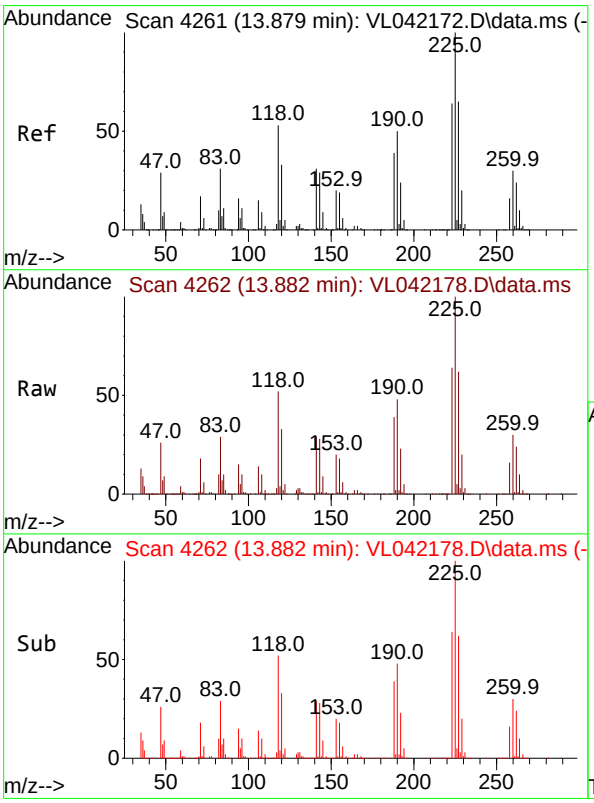
#77
1,2-Dichlorobenzene
Concen: 13.396 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 602844

Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.8	74.3
148	63.3	31.6	94.8

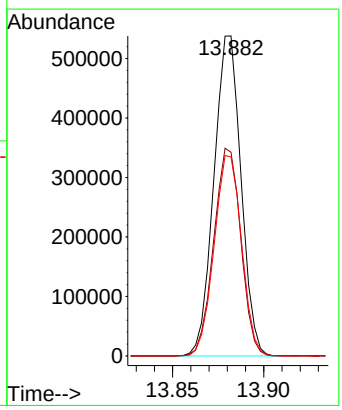


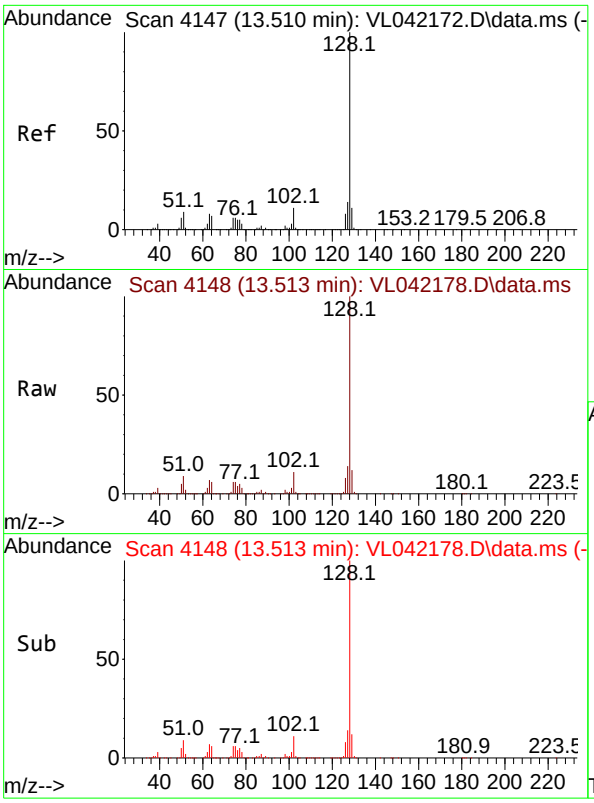


#78
Hexachloro-1,3-Butadiene
Concen: 12.147 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:225 Resp: 556392

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.6	76.0
227	63.3	51.2	76.8



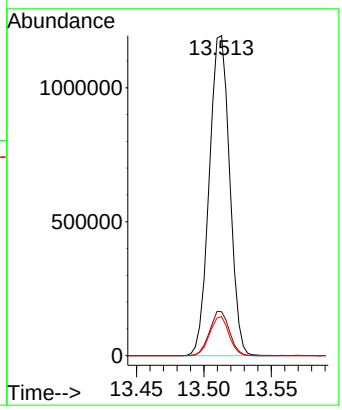


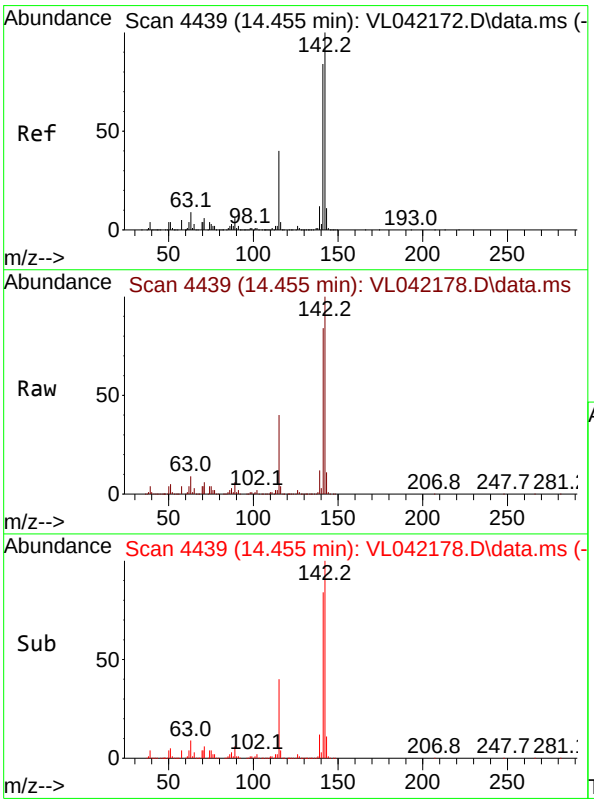
#79
Naphthalene
Concen: 13.653 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 1258479

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	12.2	9.0	13.4

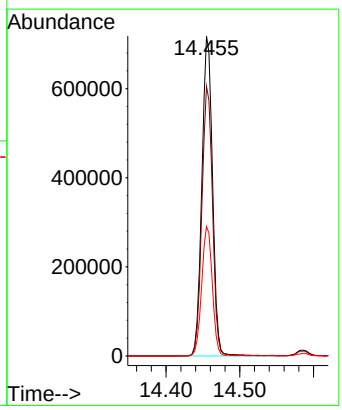


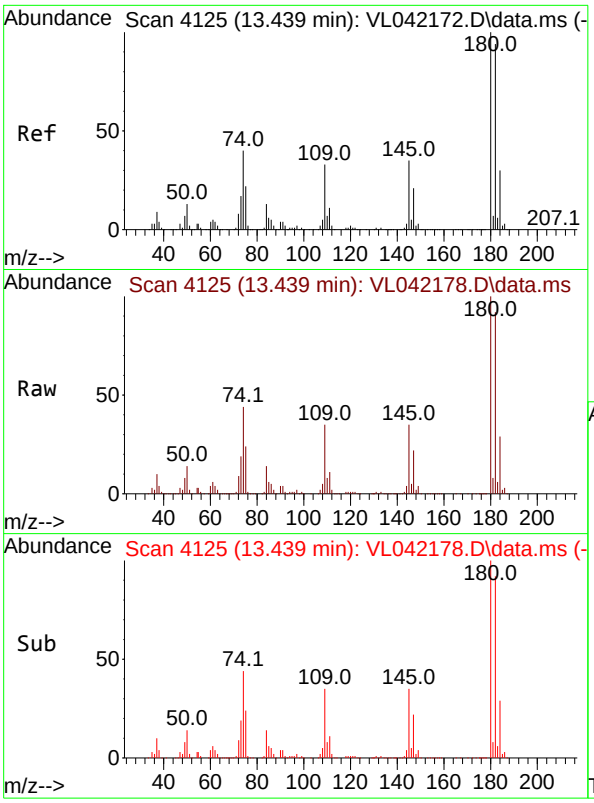


#80
Naphthalene,2-methyl-
Concen: 16.018 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:142 Resp: 718900

Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.3	99.5
115	40.6	31.6	47.4



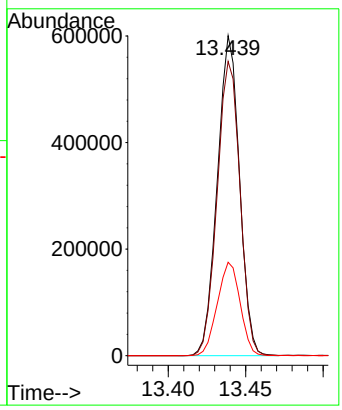


#81
1,2,4-Trichlorobenzene
Concen: 14.075 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 598416

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.1	112.7
184	30.1	24.4	36.6



Quantitation Report (Not 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

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

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 (Not 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

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

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	583773	8.695	ppbv	#	20
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

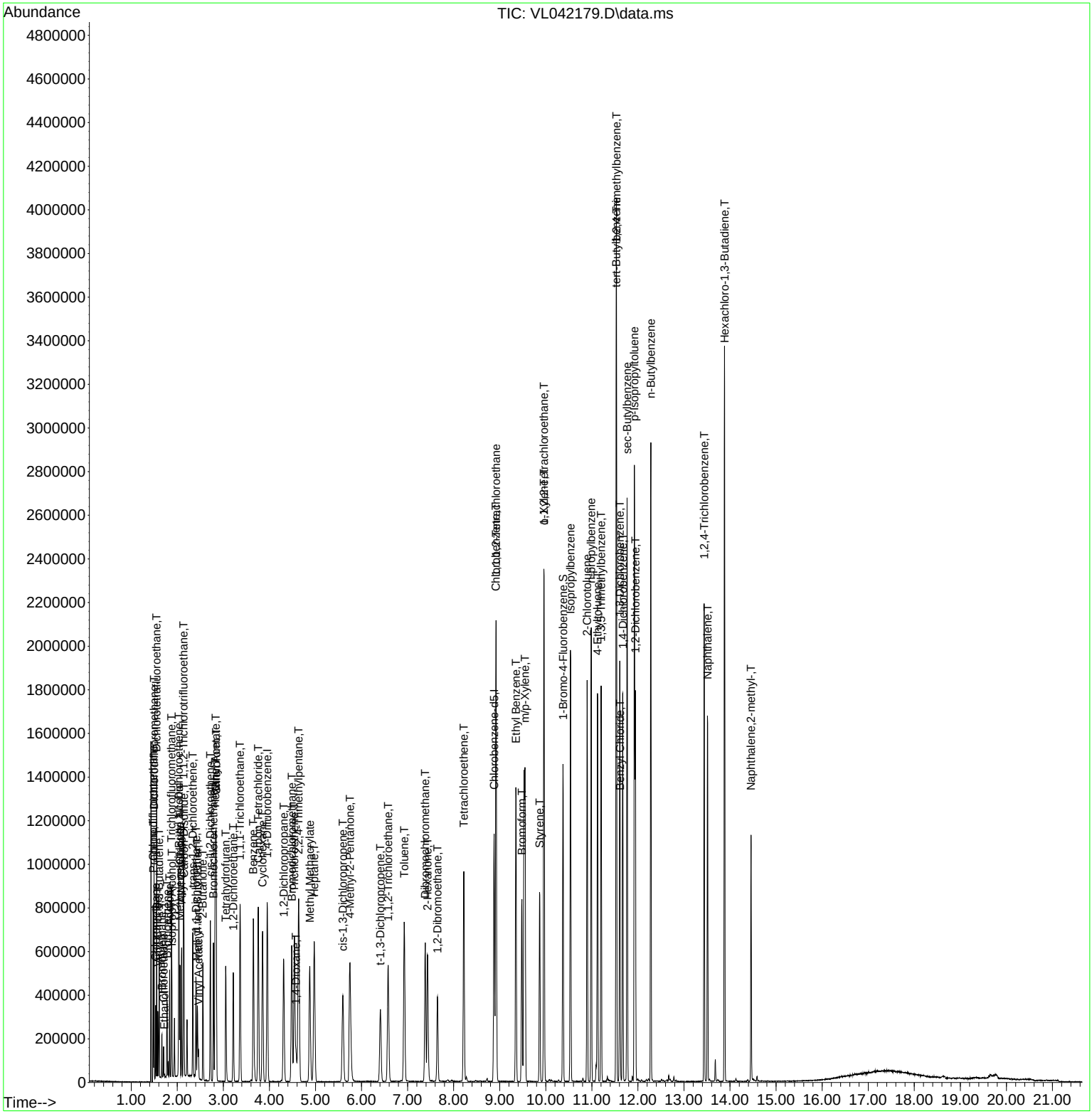
(#) = qualifier out of range (m) = manual integration (+) = signals summed

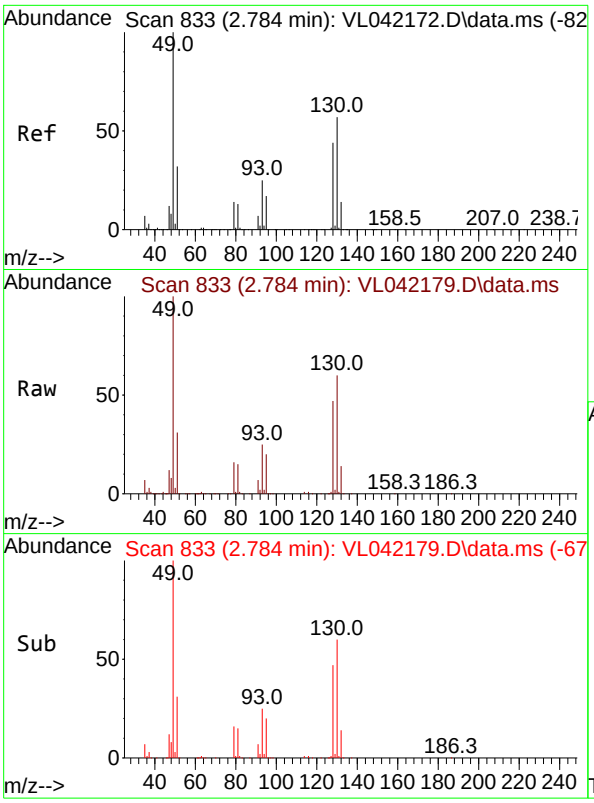
Quantitation Report (Not Reviewed)

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

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



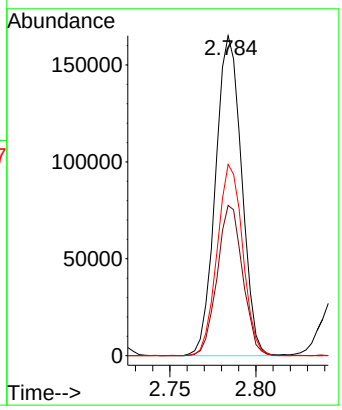


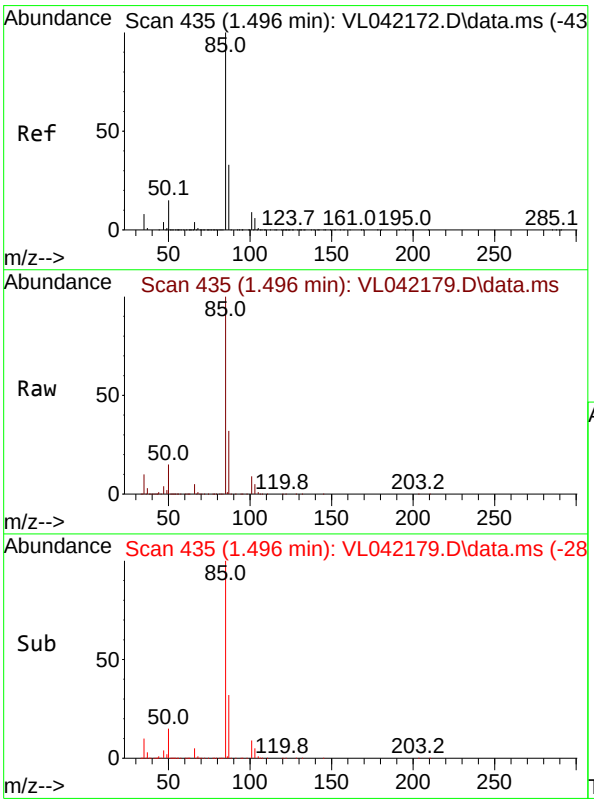
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 49 Resp: 174350

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.5
130	58.4	28.8	86.4

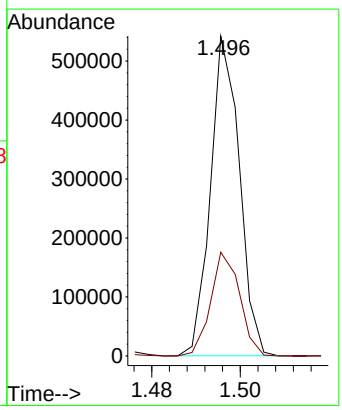


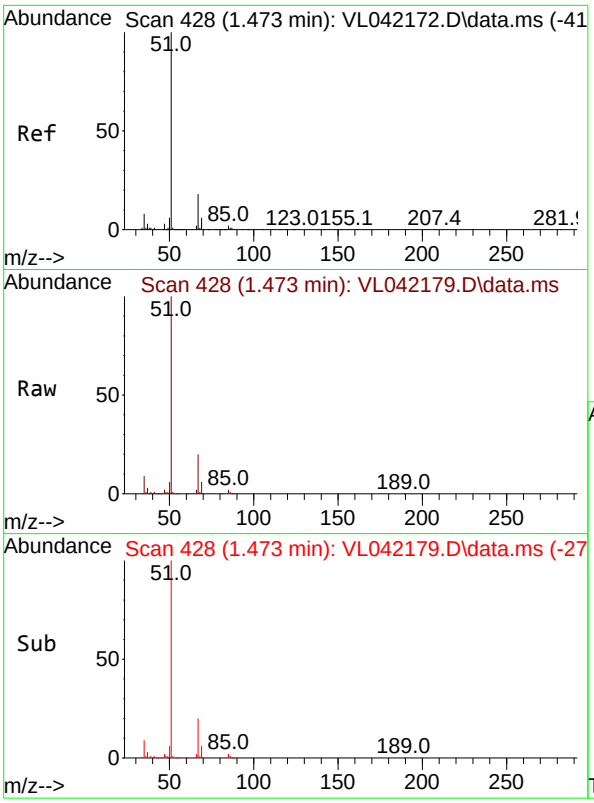


#2
Dichlorodifluoromethane
Concen: 9.545 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 85 Resp: 245714

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.1	39.1



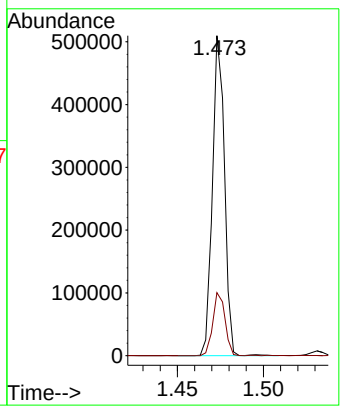


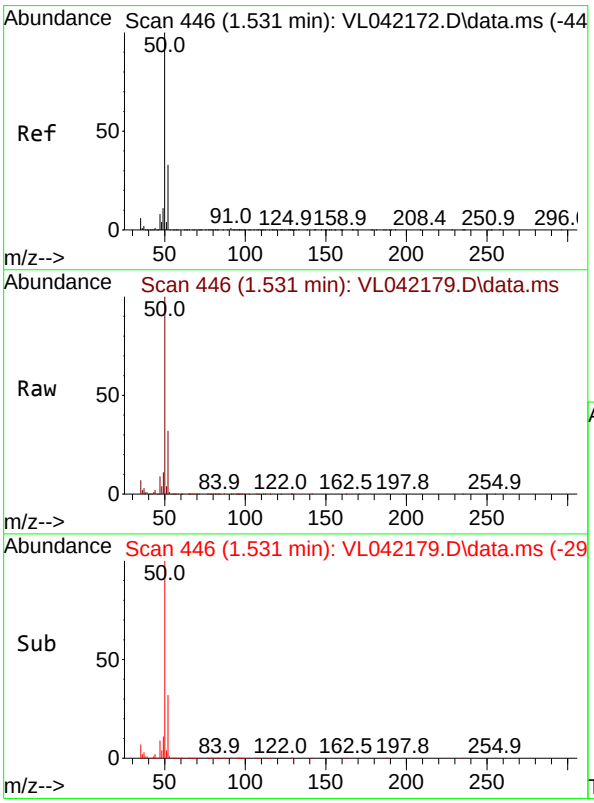
#3
Chlorodifluoromethane
Concen: 9.394 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 51 Resp: 247046

Ion	Ratio	Lower	Upper
51	100		
67	20.1	15.0	22.6

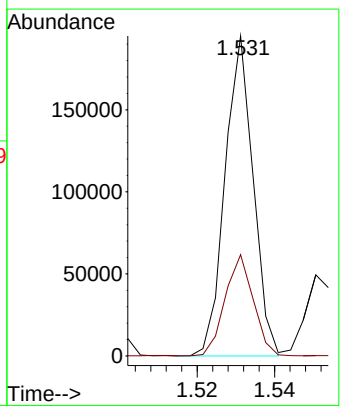


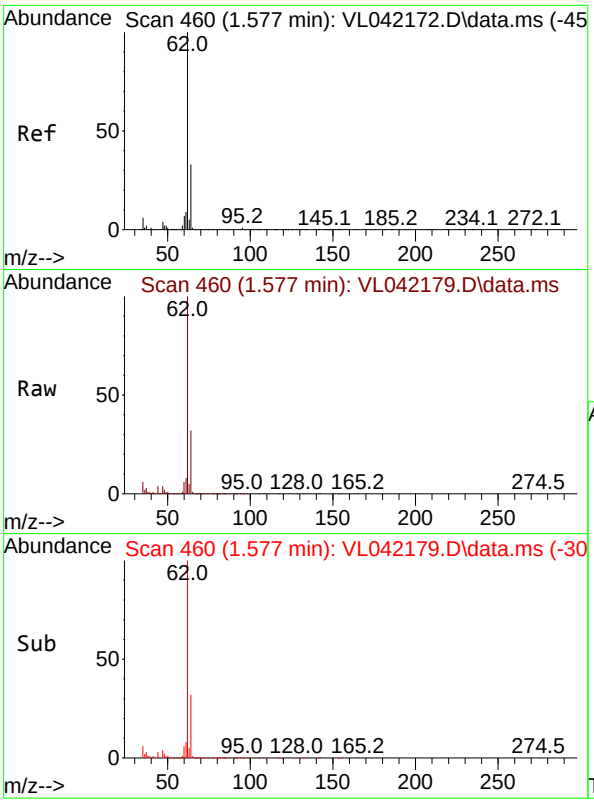


#4
Chloromethane
Concen: 9.365 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 50 Resp: 98527

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.1	39.1



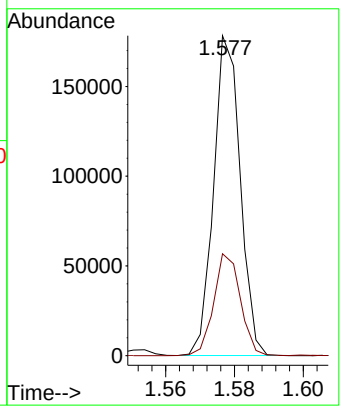


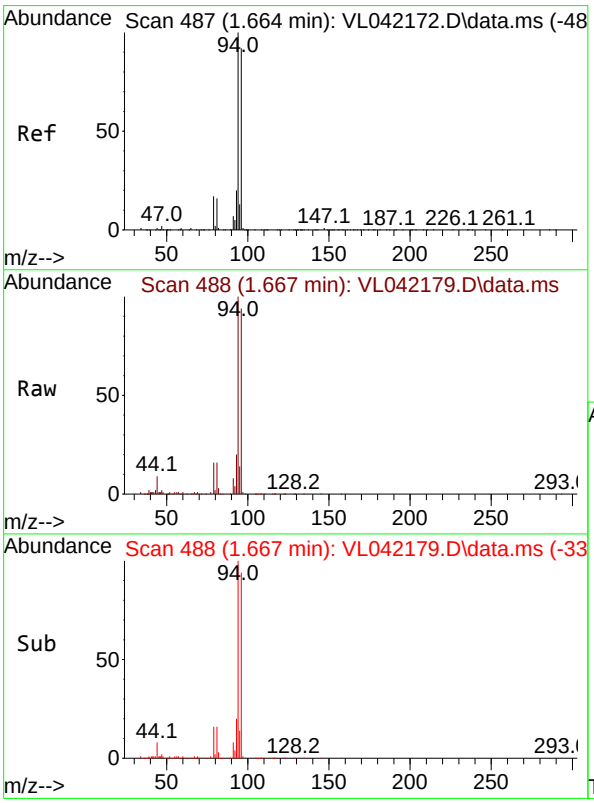
#5
Vinyl Chloride
Concen: 8.573 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 62 Resp: 95578

Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.6	40.0

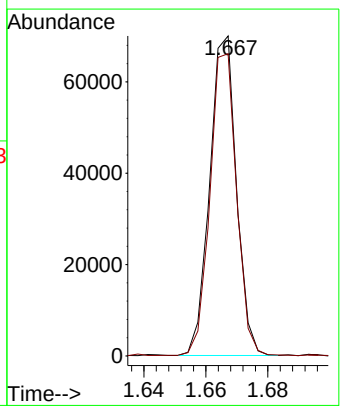


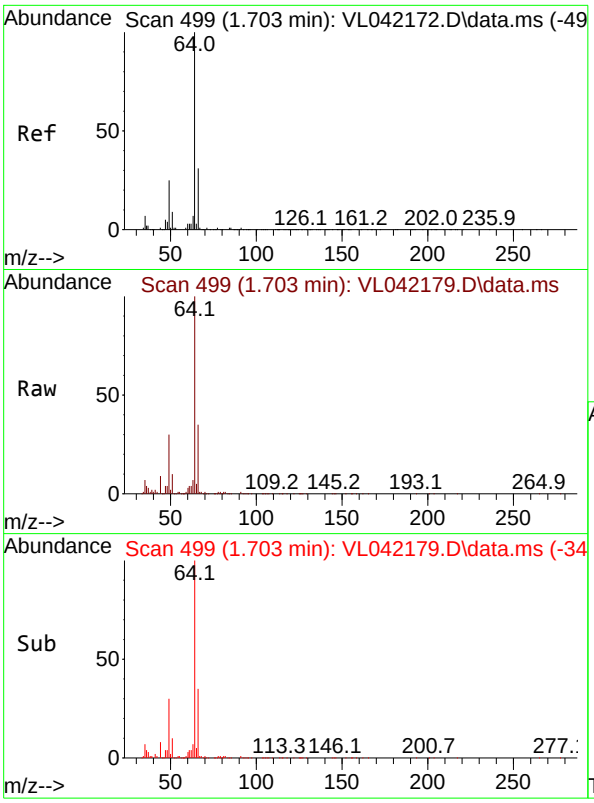


#6
Bromomethane
Concen: 8.799 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 94 Resp: 41950

Ion	Ratio	Lower	Upper
94	100		
96	94.4	73.1	109.7



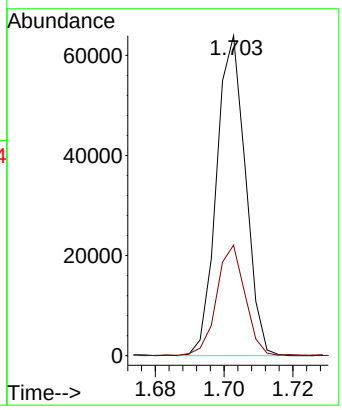


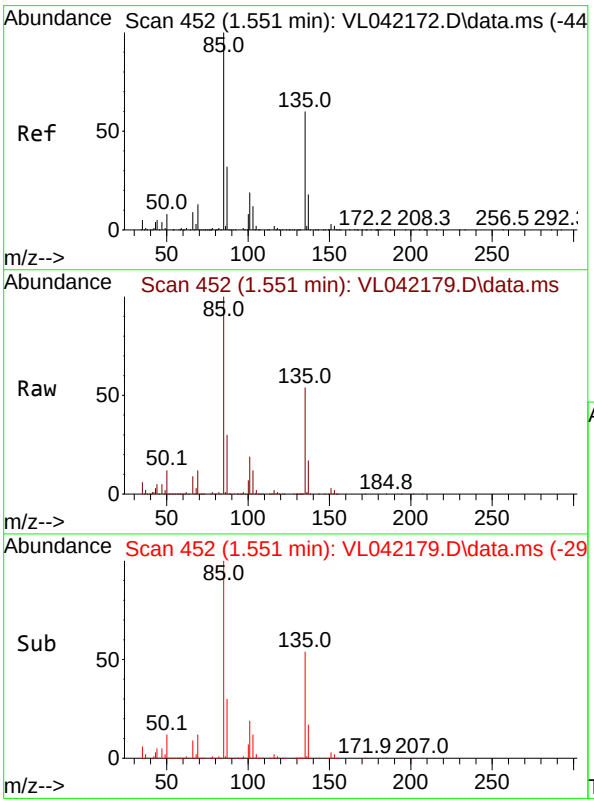
#7
Chloroethane
Concen: 8.856 ppbv
RT: 1.703 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 64 Resp: 37400

Ion	Ratio	Lower	Upper
64	100		
66	34.5	25.2	37.8

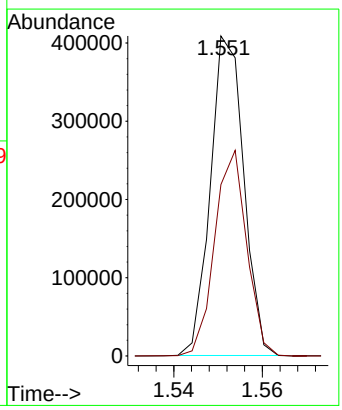


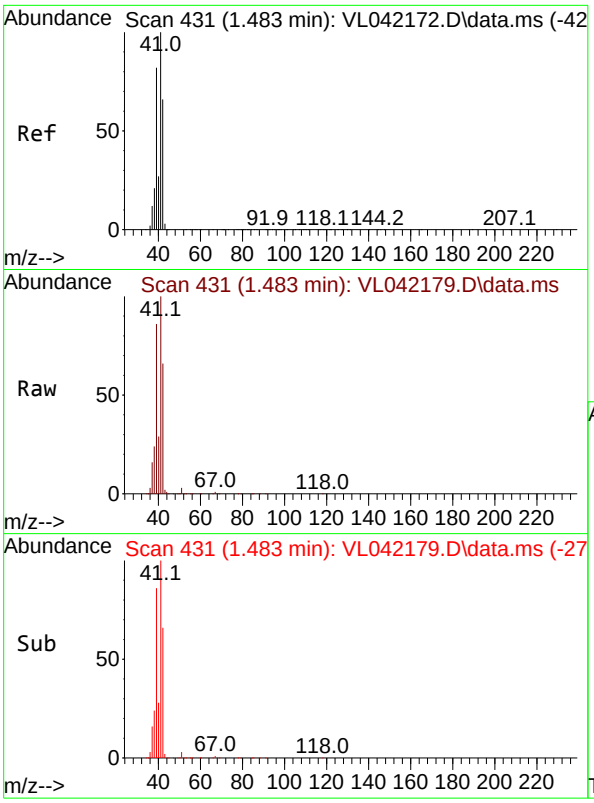


#8
Dichlorotetrafluoroethane
Concen: 9.753 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 85 Resp: 213819

Ion	Ratio	Lower	Upper
85	100		
135	61.9	52.4	78.6



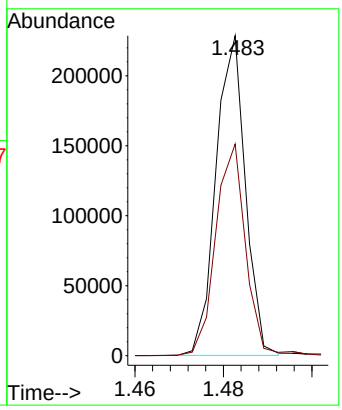


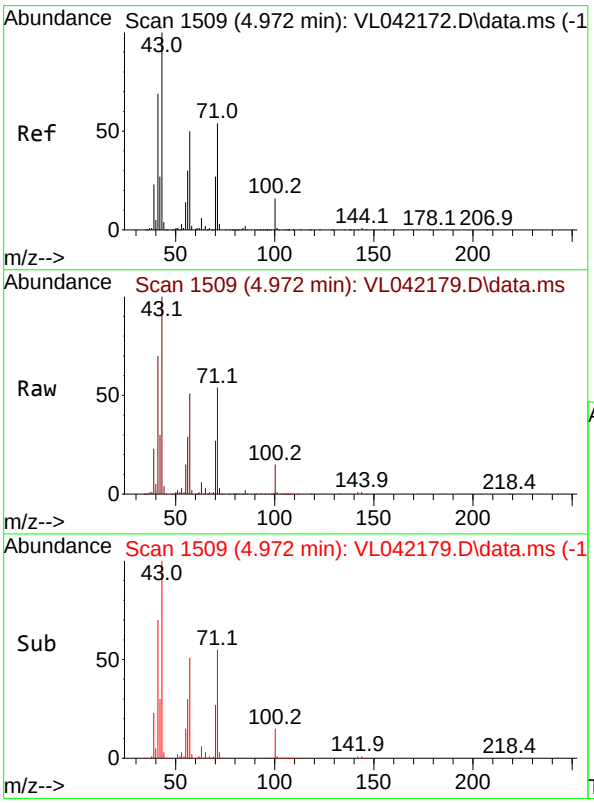
#9
Propene
Concen: 8.739 ppbv
RT: 1.483 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 41 Resp: 105338

Ion	Ratio	Lower	Upper
41	100		
42	68.1	55.4	83.2

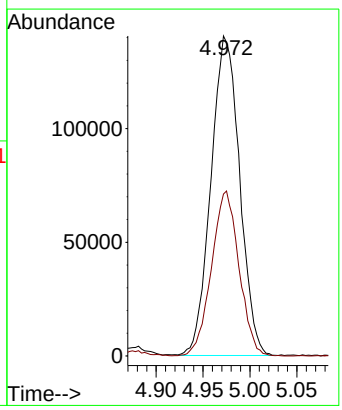


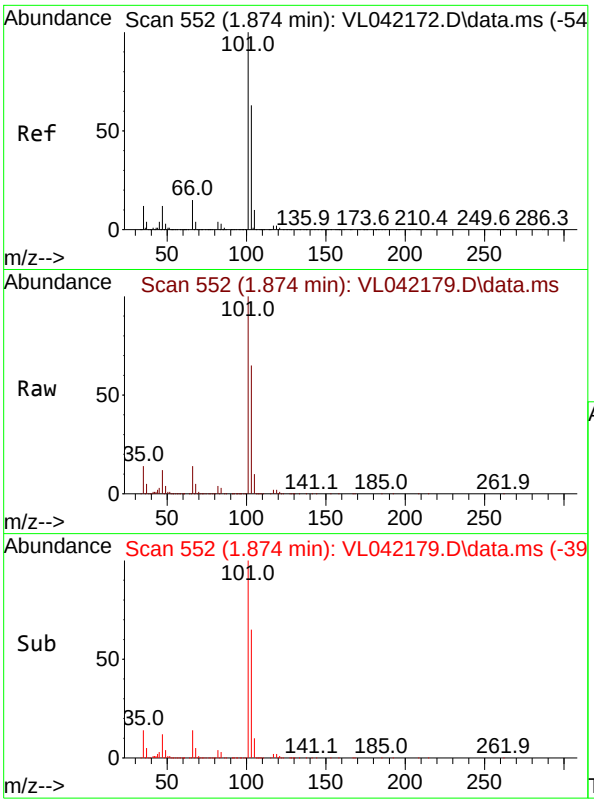


#10
Heptane
Concen: 9.318 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 298768

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.4	59.2



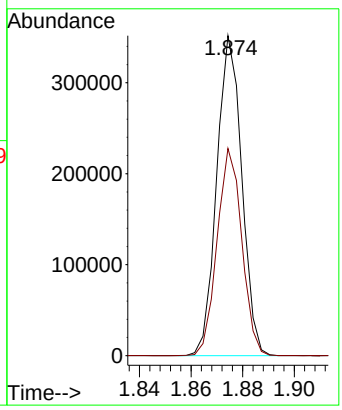


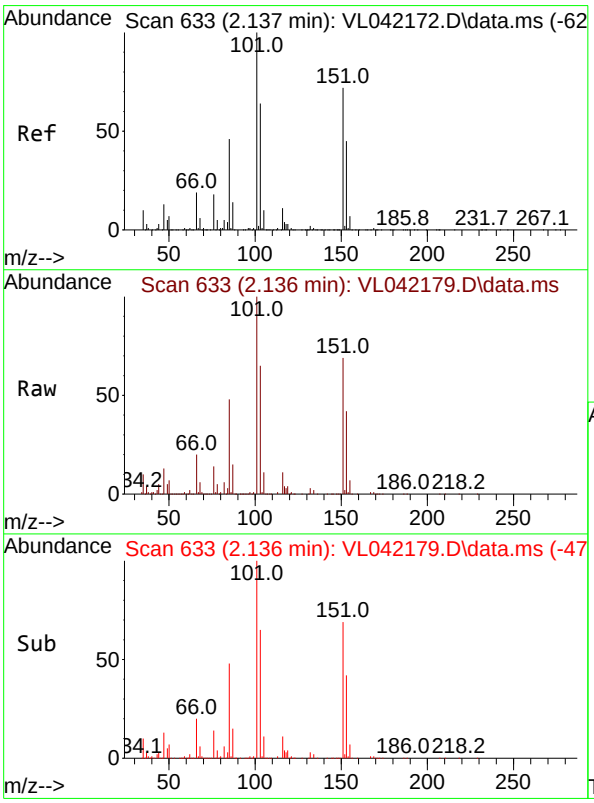
#11
Trichlorofluoromethane
Concen: 9.453 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:101 Resp: 236793

Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.2	75.2

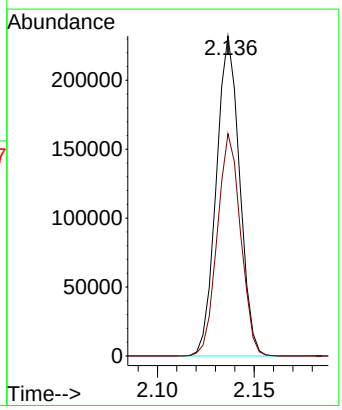


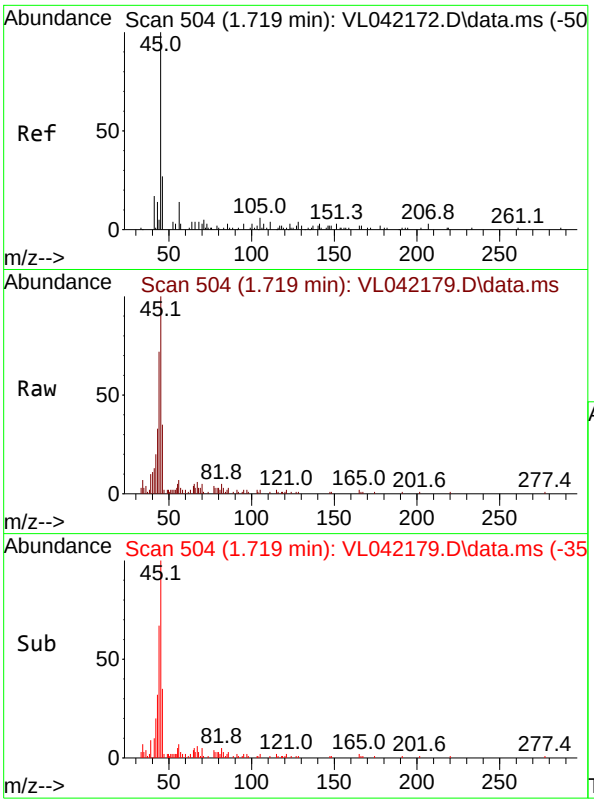


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.421 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:101 Resp: 193965

Ion	Ratio	Lower	Upper
101	100		
151	69.6	57.1	85.7



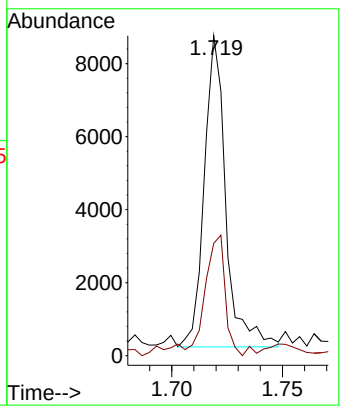


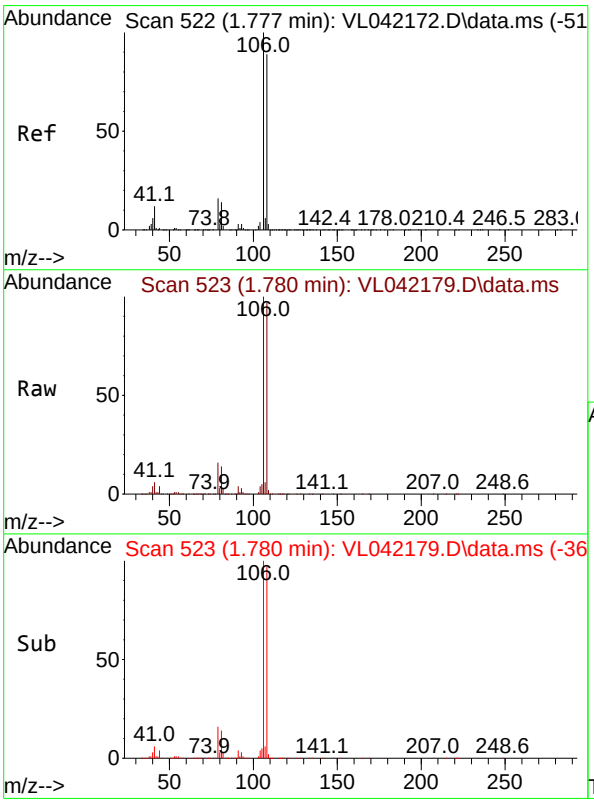
#13
Ethanol
Concen: 5.066 ppbv
RT: 1.719 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 45 Resp: 5773

Ion	Ratio	Lower	Upper
45	100		
46	48.5	20.2	80.8

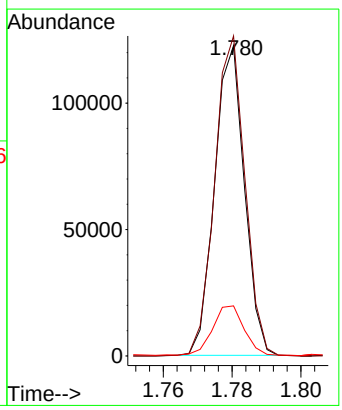


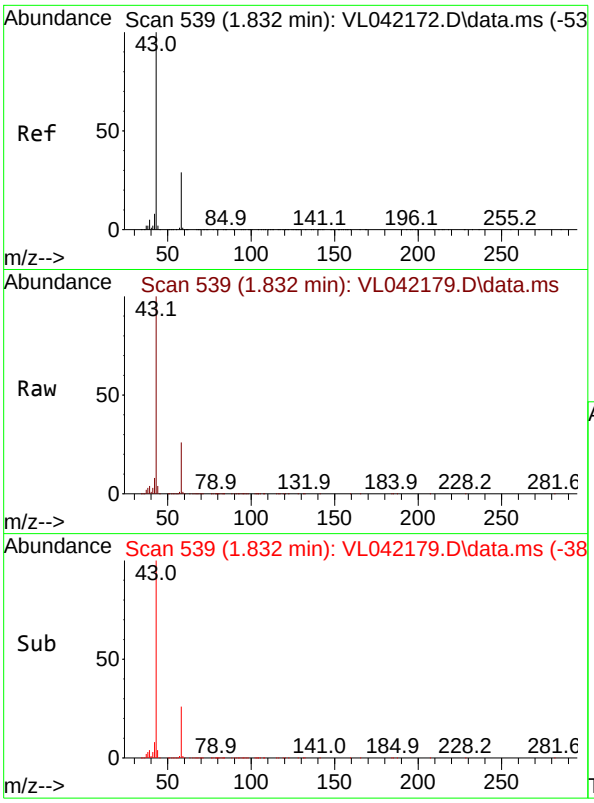


#14
Bromoethene
Concen: 9.328 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:108 Resp: 73572

Ion	Ratio	Lower	Upper
108	100		
106	105.0	86.8	130.2
79	18.8	15.0	22.6



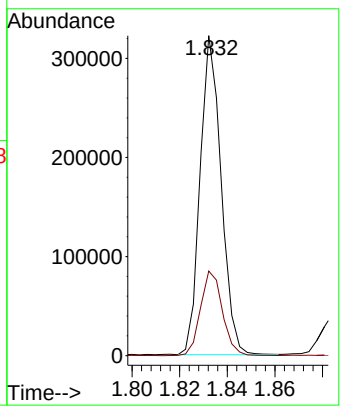


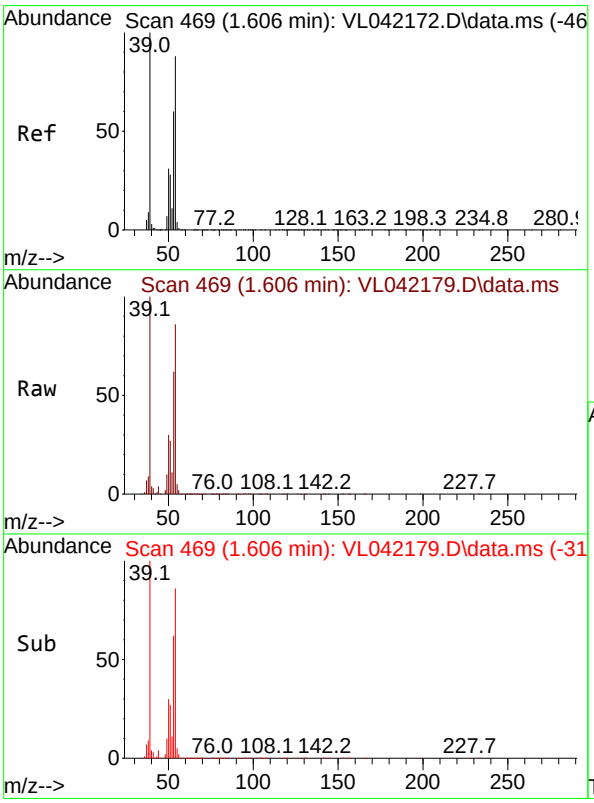
#15
Acetone
Concen: 8.132 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 43 Resp: 198300

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.2	34.8

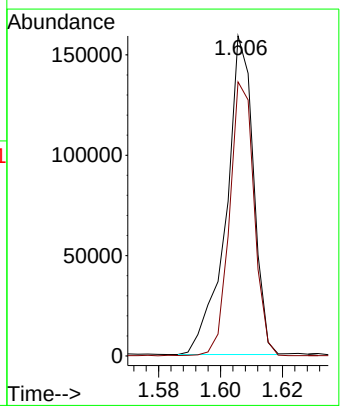


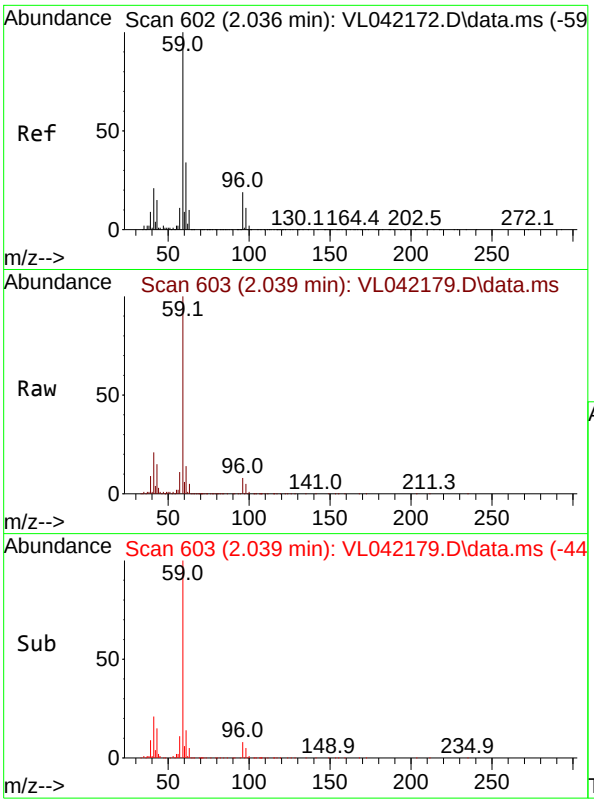


#16
1,3-Butadiene
Concen: 8.216 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 39 Resp: 97840

Ion	Ratio	Lower	Upper
39	100		
54	76.9	60.7	91.1



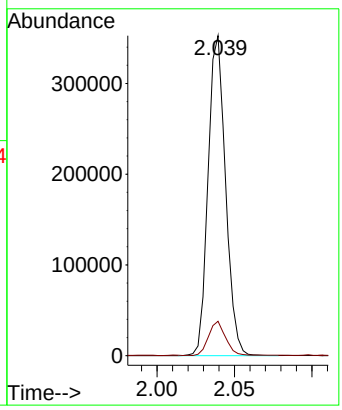


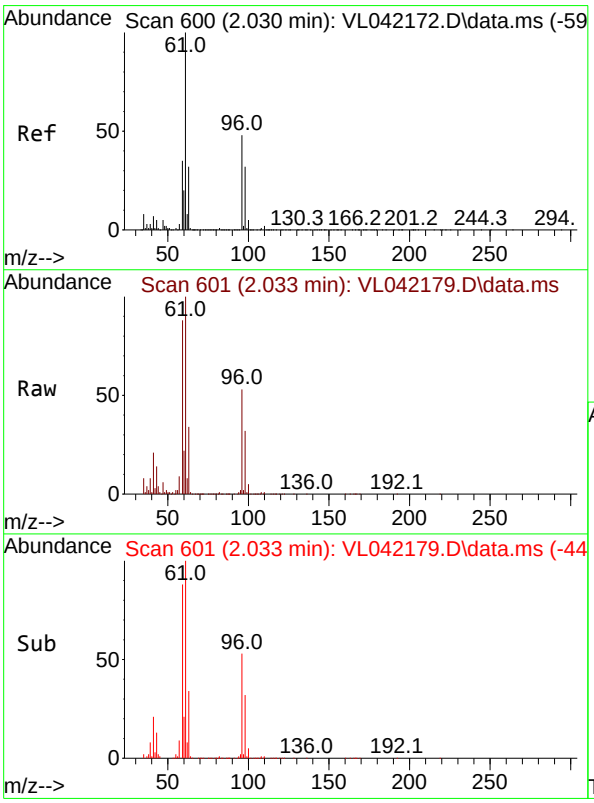
#17
tert-Butyl alcohol
Concen: 9.094 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 59 Resp: 276195

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.9	13.3

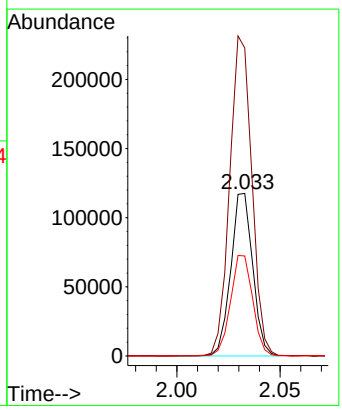


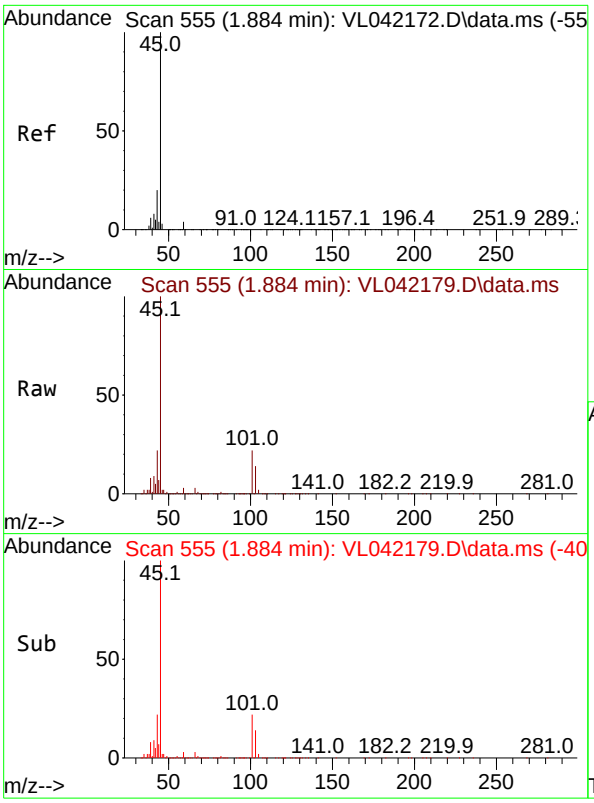


#18
1,1-Dichloroethene
Concen: 9.053 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 96 Resp: 87137

Ion	Ratio	Lower	Upper
96	100		
61	189.6	167.6	251.4
98	61.5	53.5	80.3



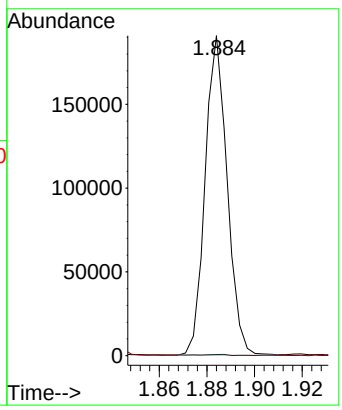


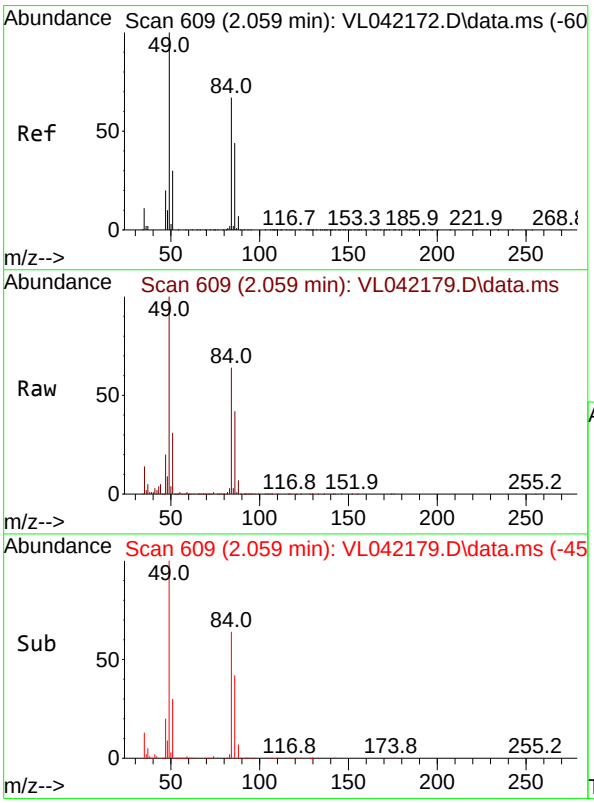
#19
Isopropyl Alcohol
Concen: 8.923 ppbv
RT: 1.884 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 45 Resp: 122768

Ion	Ratio	Lower	Upper
45	100		
58	44.9	36.9	55.3

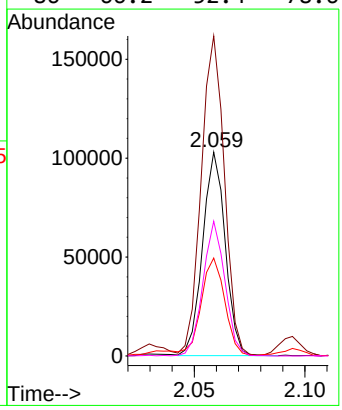


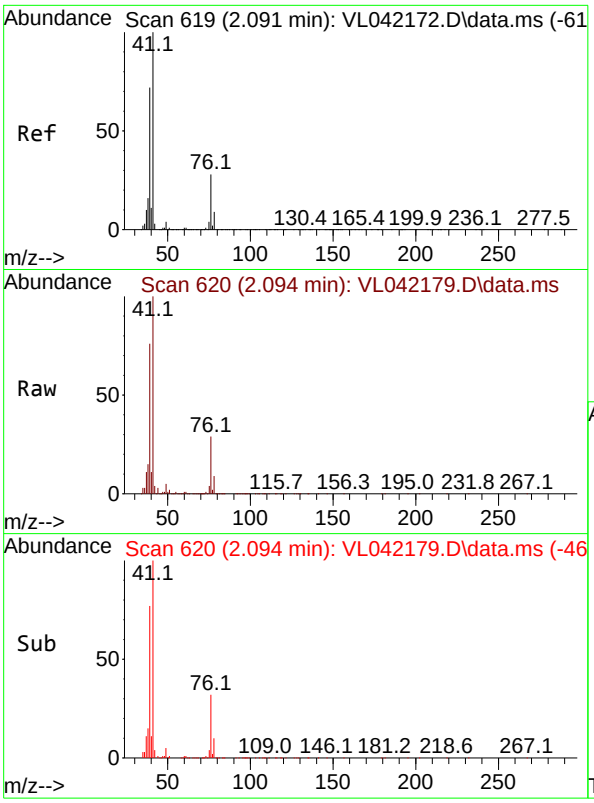


#20
Methylene Chloride
Concen: 8.018 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 84 Resp: 72813

Ion	Ratio	Lower	Upper
84	100		
49	155.8	120.2	180.4
51	46.4	37.4	56.0
86	66.2	52.4	78.6



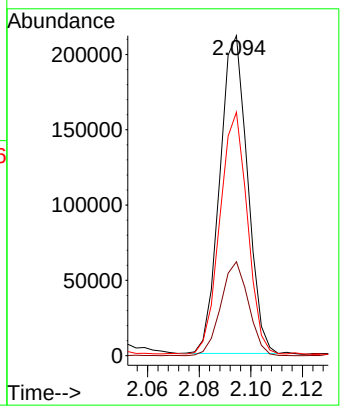


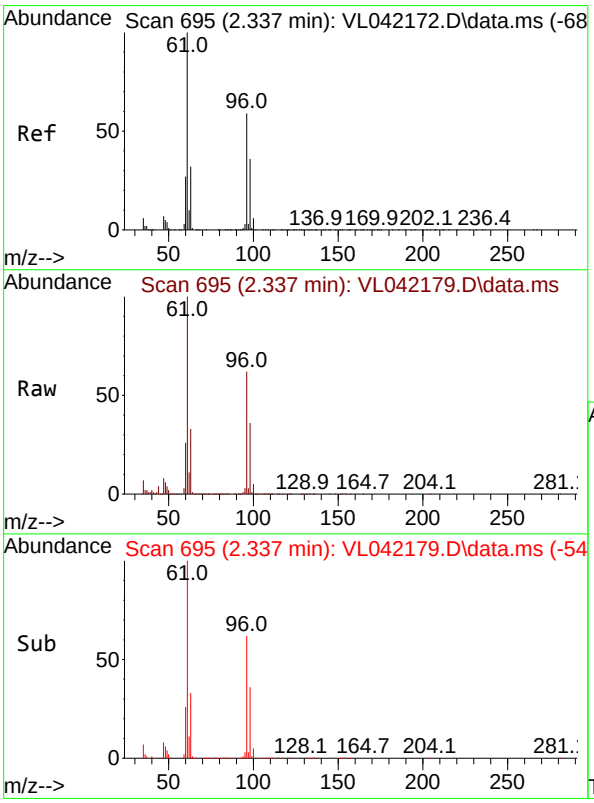
#21
Allyl Chloride
Concen: 9.154 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 41 Resp: 157418

Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.1	36.1
39	75.5	61.1	91.7

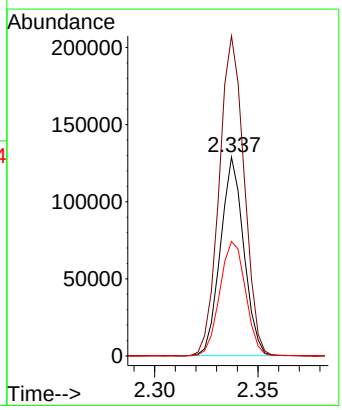


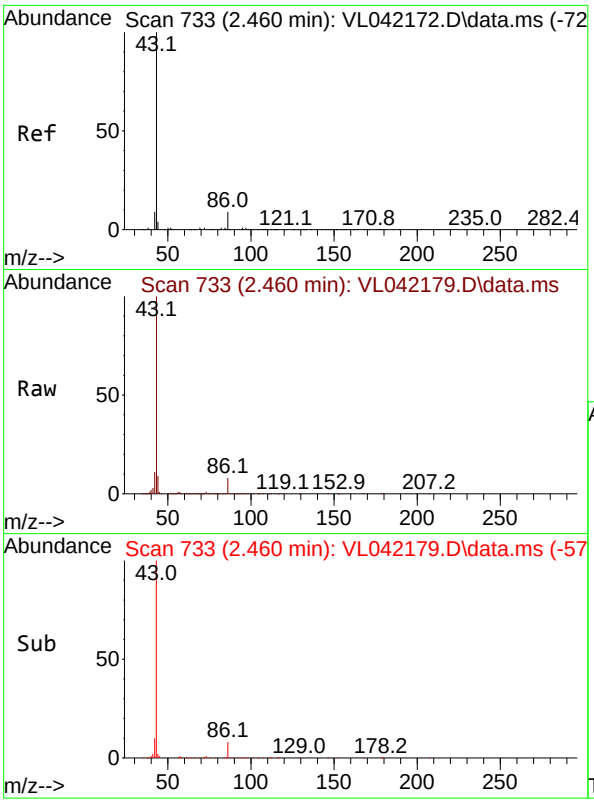


#22
trans-1,2-Dichloroethene
Concen: 9.092 ppbv
RT: 2.337 min Scan# 695
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 96 Resp: 101141

Ion	Ratio	Lower	Upper
96	100		
61	161.2	136.6	204.8
98	57.7	49.4	74.2



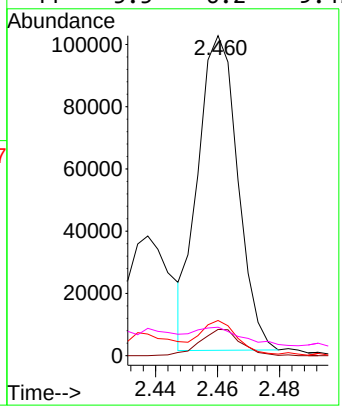


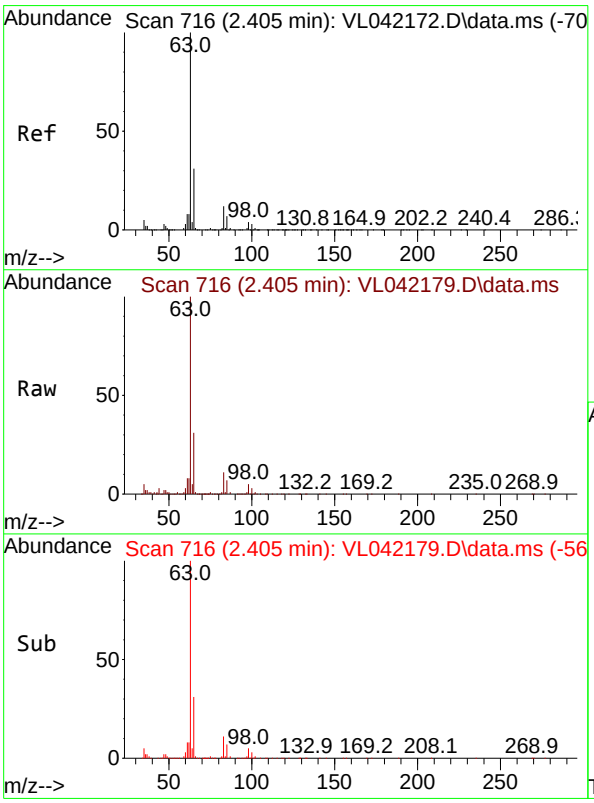
#23
Vinyl Acetate
Concen: 8.553 ppbv
RT: 2.460 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 43 Resp: 90260

Ion	Ratio	Lower	Upper
43	100		
86	8.3	5.5	8.3#
42	10.7	8.6	13.0
44	5.5	6.2	9.4#

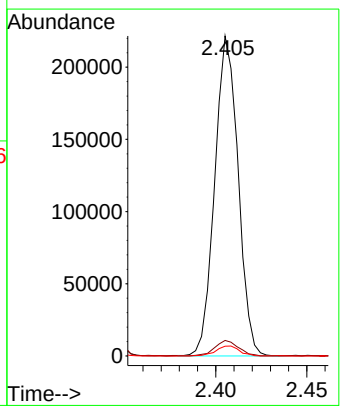


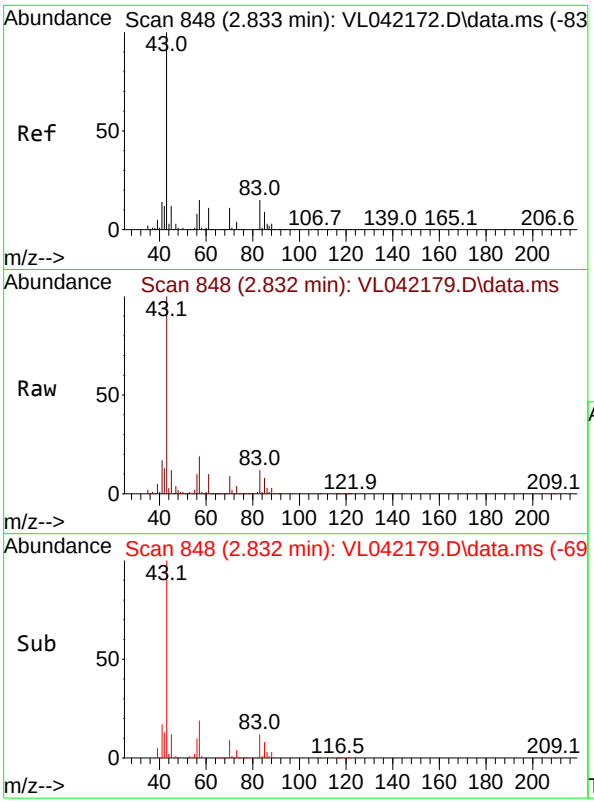


#24
1,1-Dichloroethane
Concen: 9.600 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 63 Resp: 197968

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.8
100	3.0	1.6	4.7



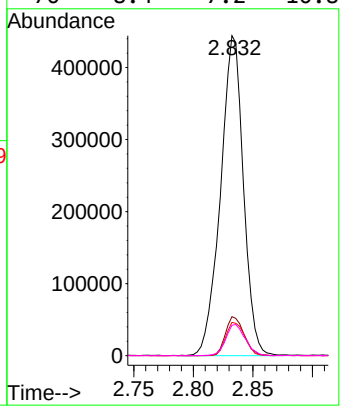


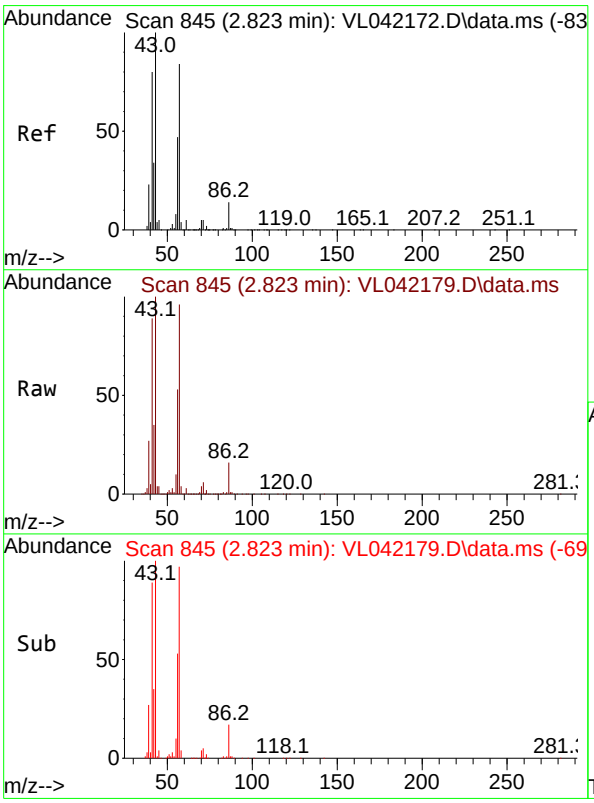
#25
Ethyl Acetate
Concen: 9.364 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 43 Resp: 592585

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.7	7.3	10.9
70	8.4	7.2	10.8

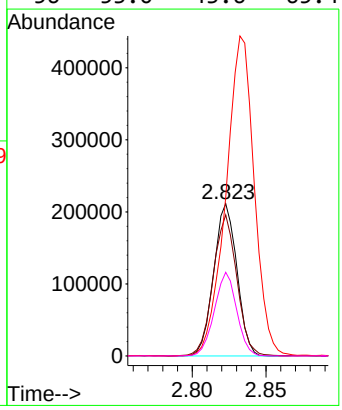


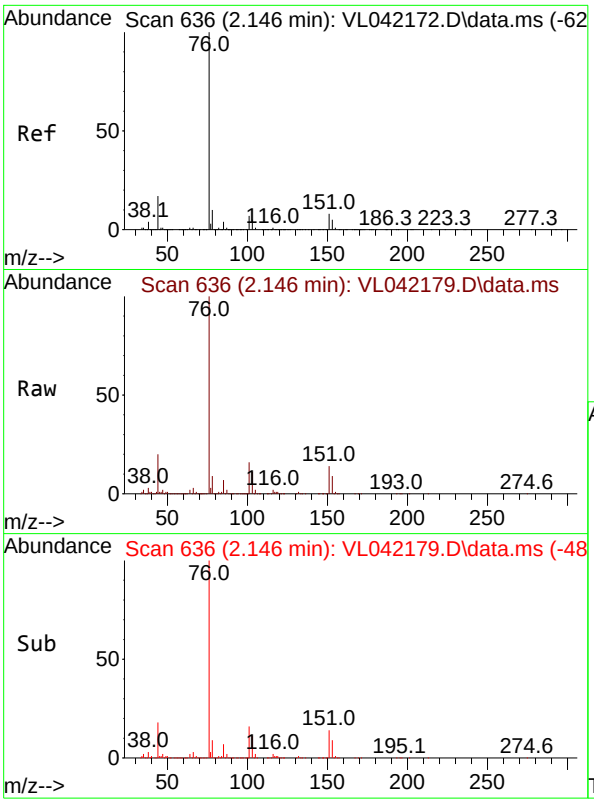


#26
Hexane
Concen: 9.455 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 57 Resp: 231125

Ion	Ratio	Lower	Upper
57	100		
41	95.2	76.6	114.8
43	256.8	207.8	311.8
56	53.0	43.6	65.4



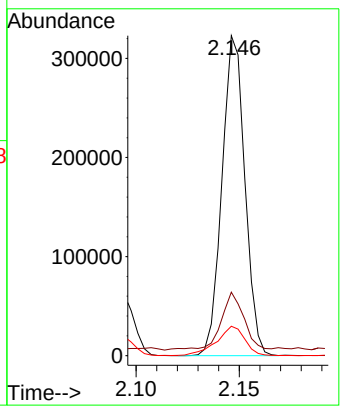


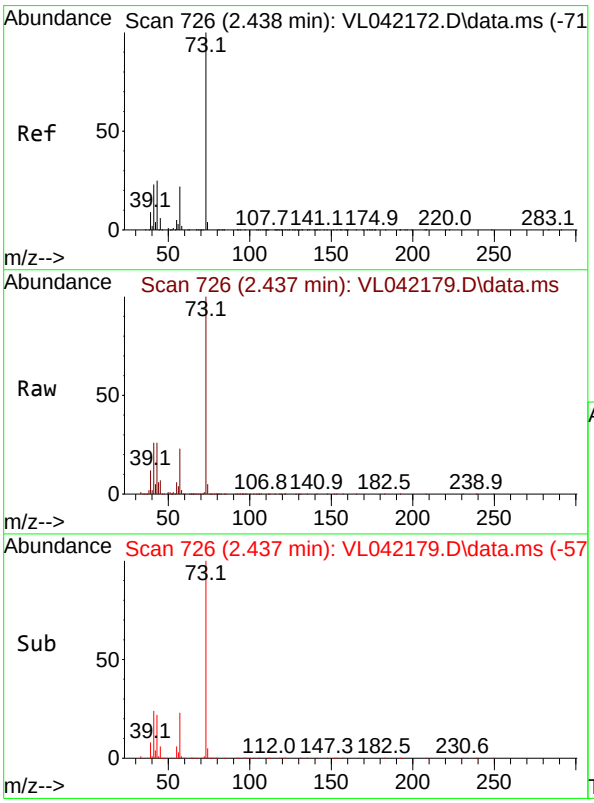
#27
Carbon Disulfide
Concen: 9.493 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 76 Resp: 248834

Ion	Ratio	Lower	Upper
76	100		
44	20.1	14.7	22.1
78	11.3	9.3	13.9

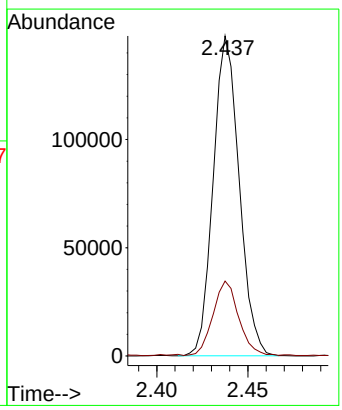


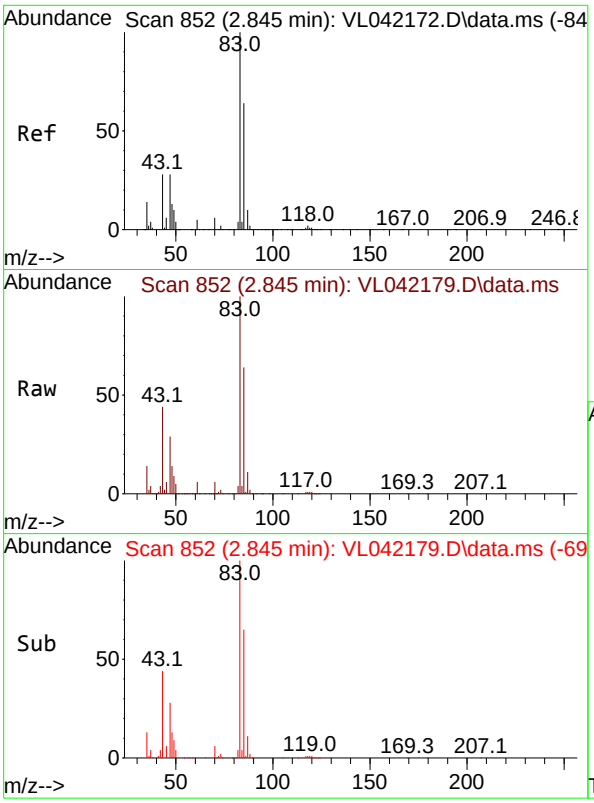


#28
Methyl tert-Butyl Ether
Concen: 9.624 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 73 Resp: 146470

Ion	Ratio	Lower	Upper
73	100		
57	23.3	20.5	30.7



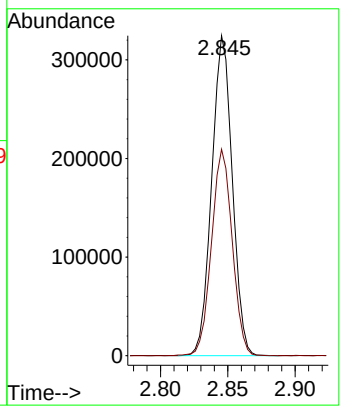


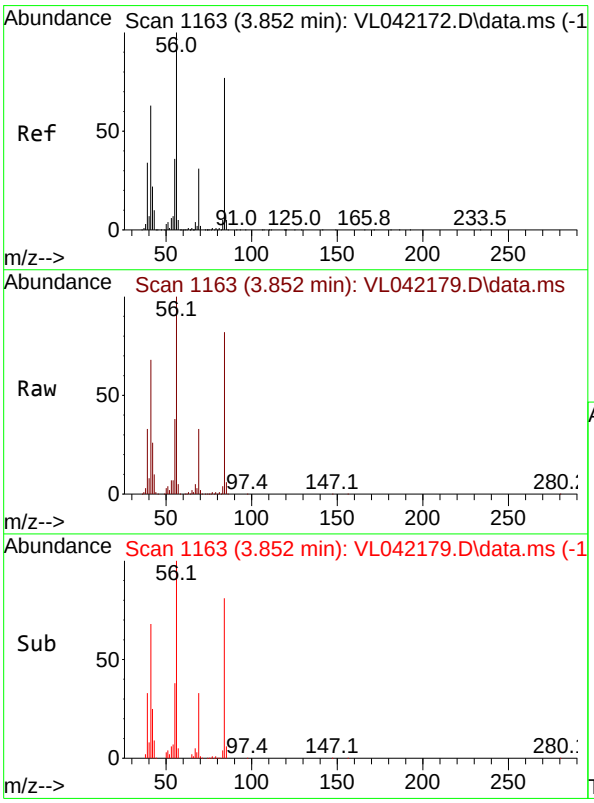
#29
Chloroform
Concen: 9.619 ppbv
RT: 2.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 83 Resp: 344106

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2

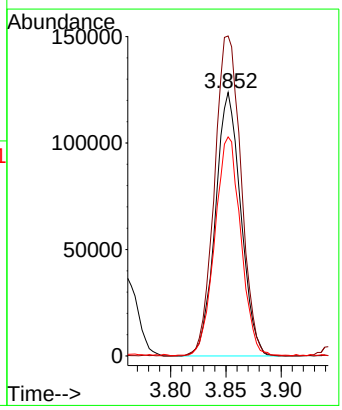


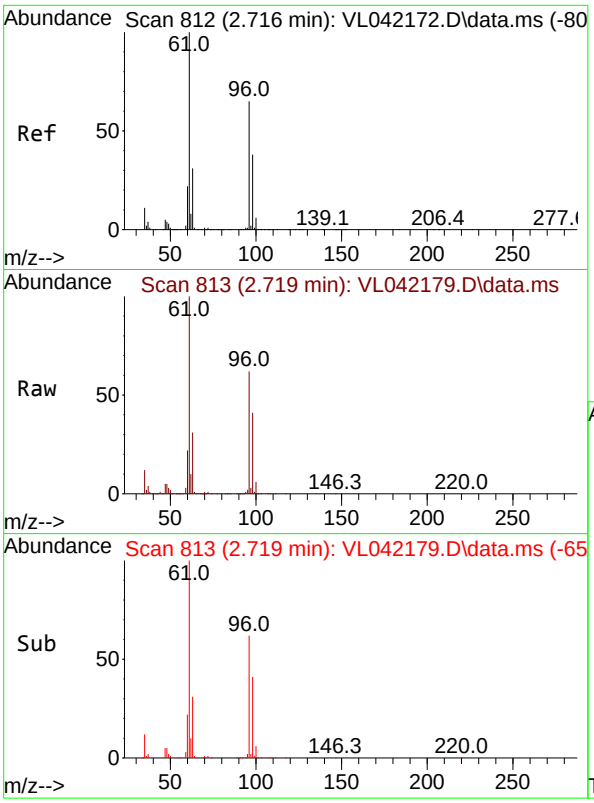


#30
Cyclohexane
Concen: 9.323 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 84 Resp: 197897

Ion	Ratio	Lower	Upper
84	100		
56	126.8	102.8	154.2
41	84.6	66.5	99.7



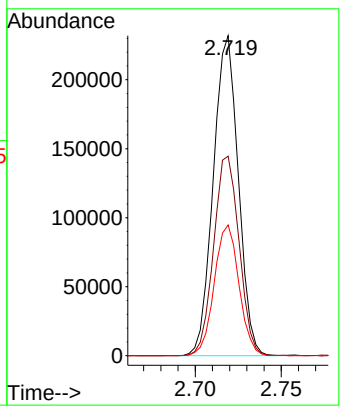


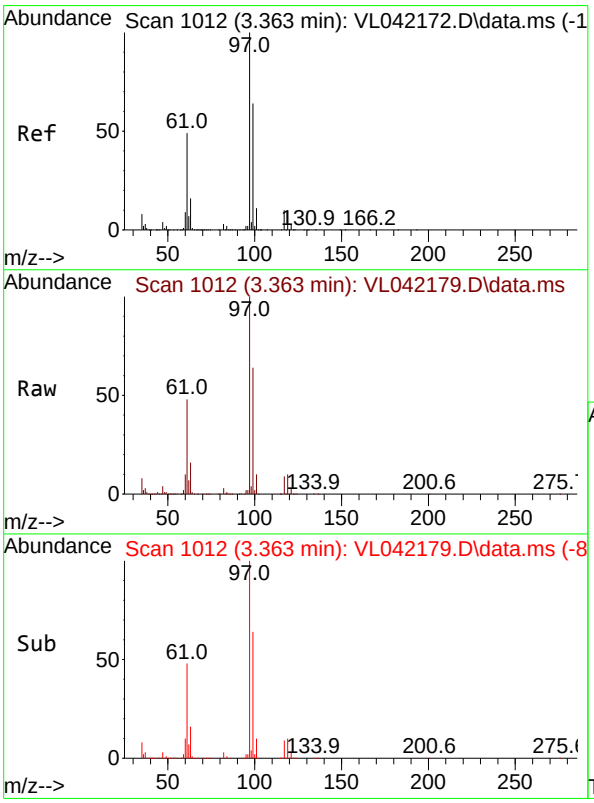
#31
cis-1,2-Dichloroethene
Concen: 9.449 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 61 Resp: 234487

Ion	Ratio	Lower	Upper
61	100		
96	62.3	51.8	77.8
98	40.9	30.6	46.0

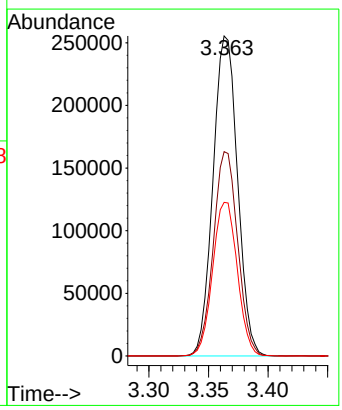


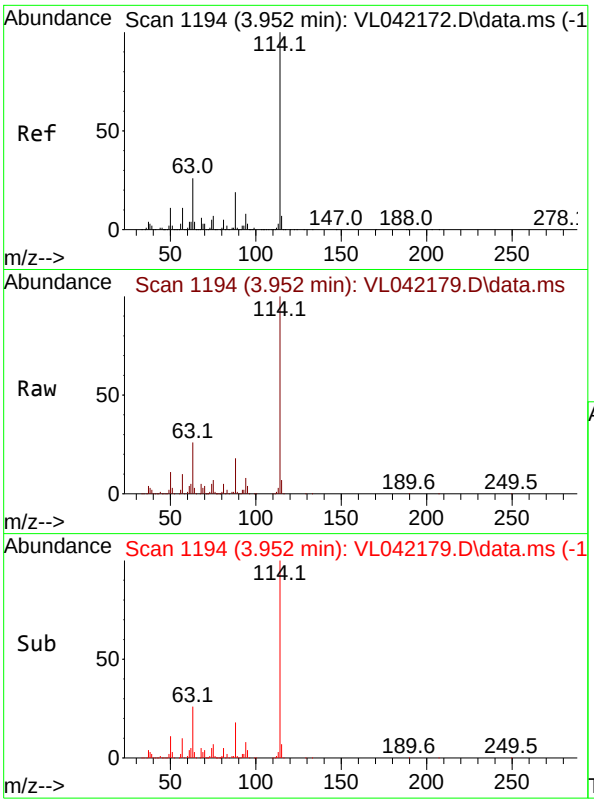


#32
1,1,1-Trichloroethane
Concen: 8.921 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 97 Resp: 365364

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	48.4	38.7	58.1



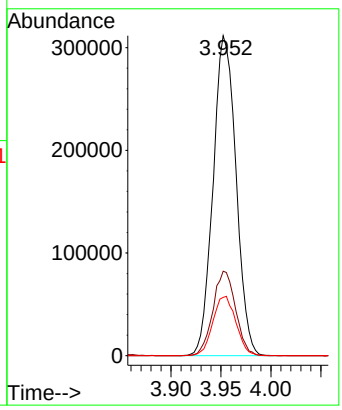


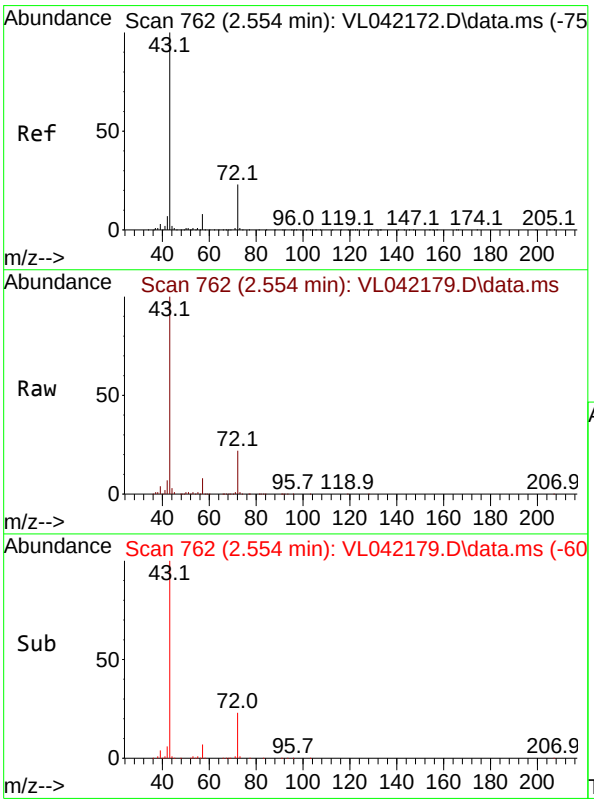
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:114 Resp: 498105

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.7	31.1
88	18.7	15.0	22.4

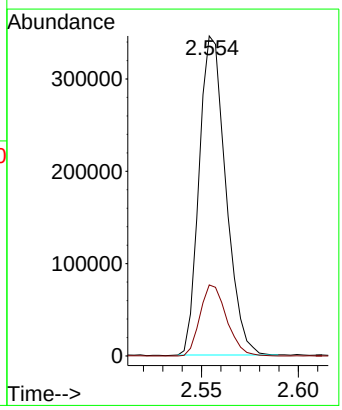


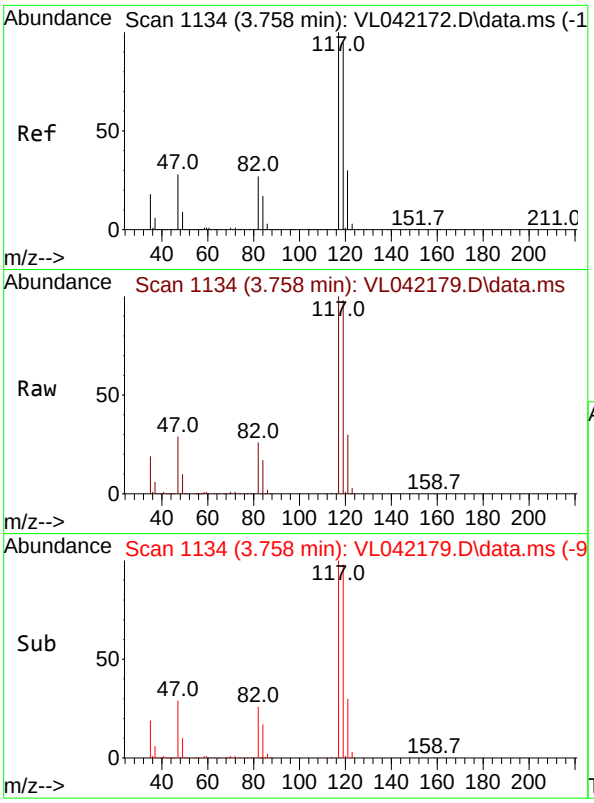


#34
2-Butanone
Concen: 9.171 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 331236

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.2	27.2



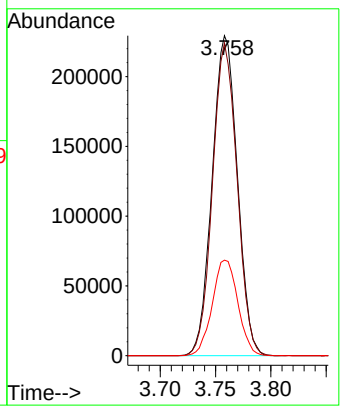


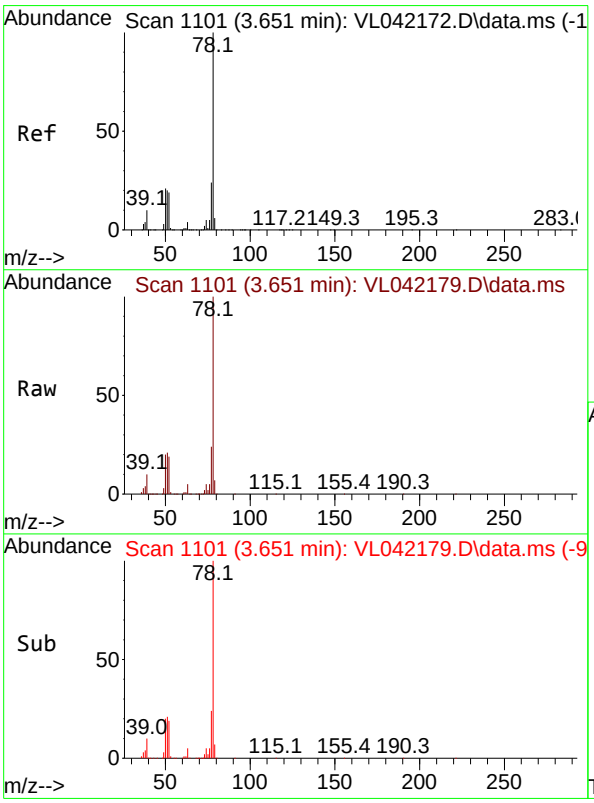
#35
Carbon Tetrachloride
Concen: 9.339 ppbv
RT: 3.758 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:117 Resp: 363392

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
121	29.9	24.2	36.4

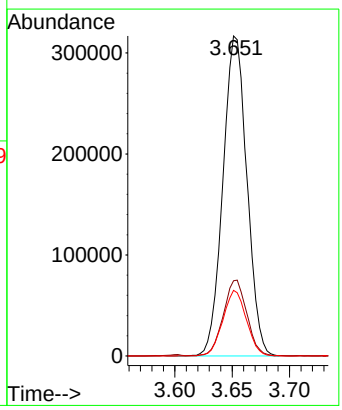


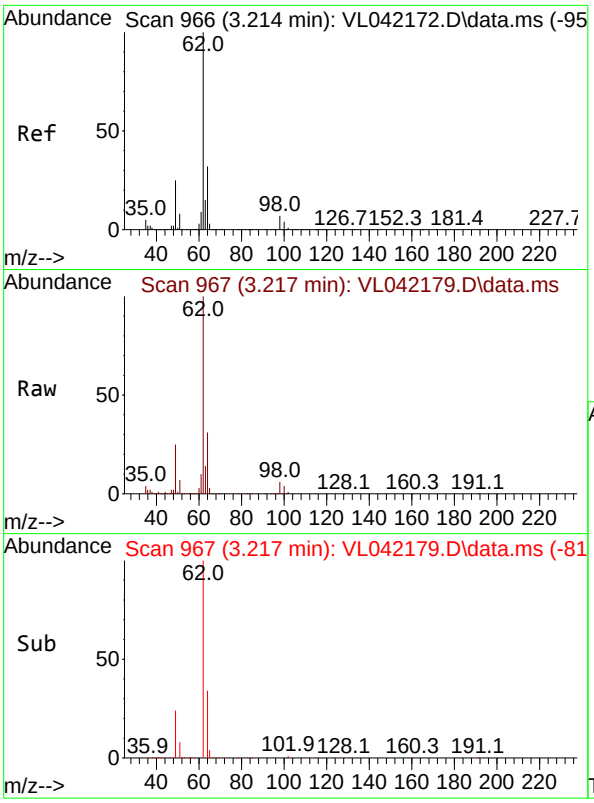


#36
Benzene
Concen: 9.341 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 78 Resp: 461261

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
50	20.4	16.6	24.8



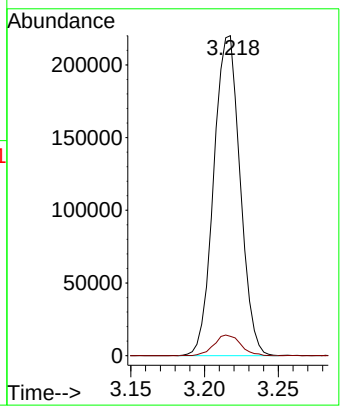


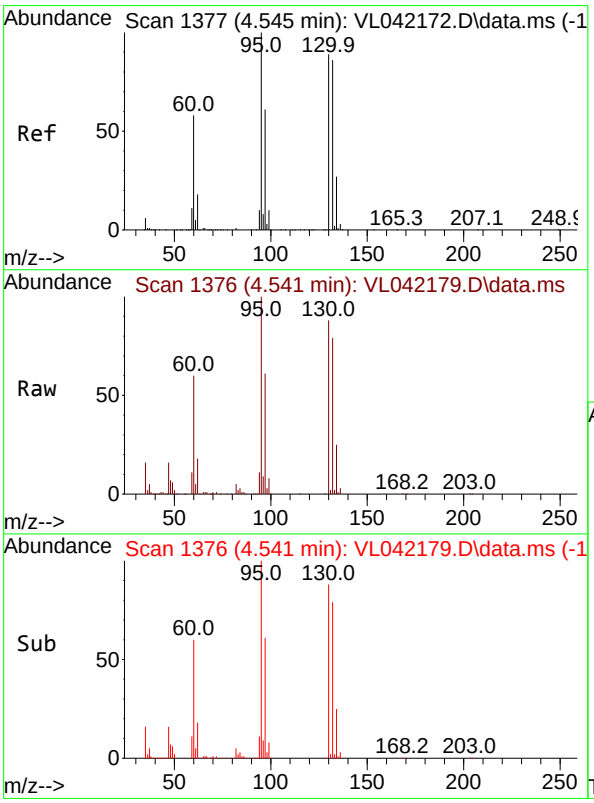
#37
1,2-Dichloroethane
Concen: 9.676 ppbv
RT: 3.217 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 62 Resp: 273559

Ion	Ratio	Lower	Upper
62	100		
98	6.6	5.4	8.2

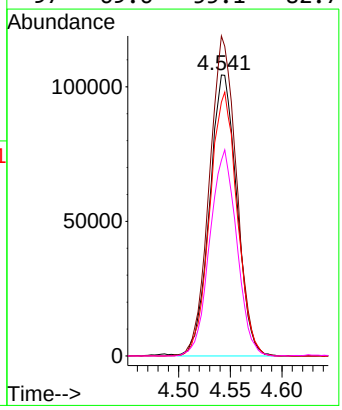


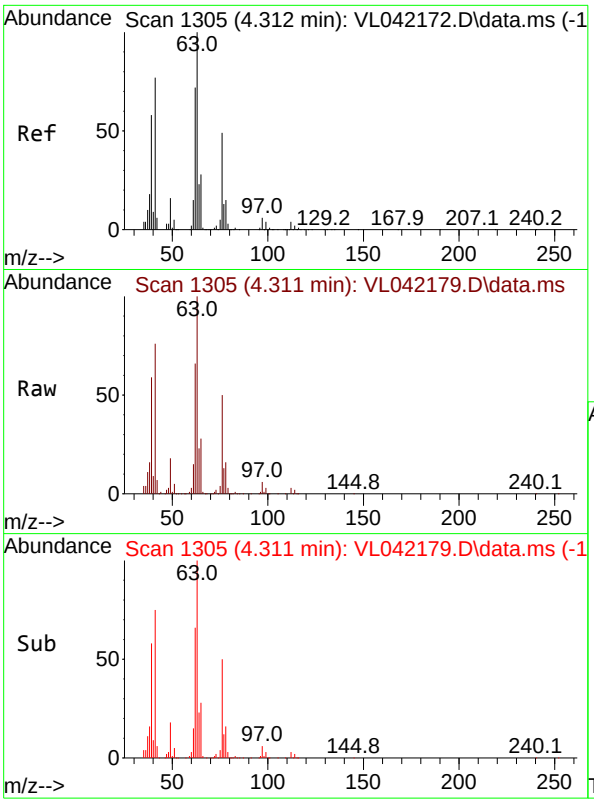


#38
Trichloroethene
Concen: 9.306 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:130 Resp: 191746

Ion	Ratio	Lower	Upper
130	100		
95	113.9	89.8	134.8
132	90.3	77.4	116.2
97	69.6	55.1	82.7



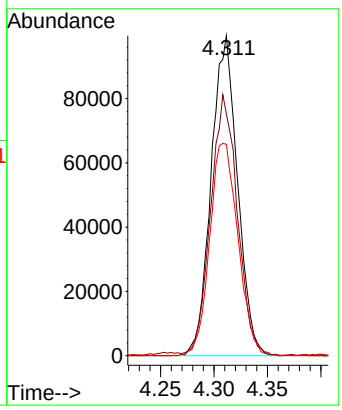


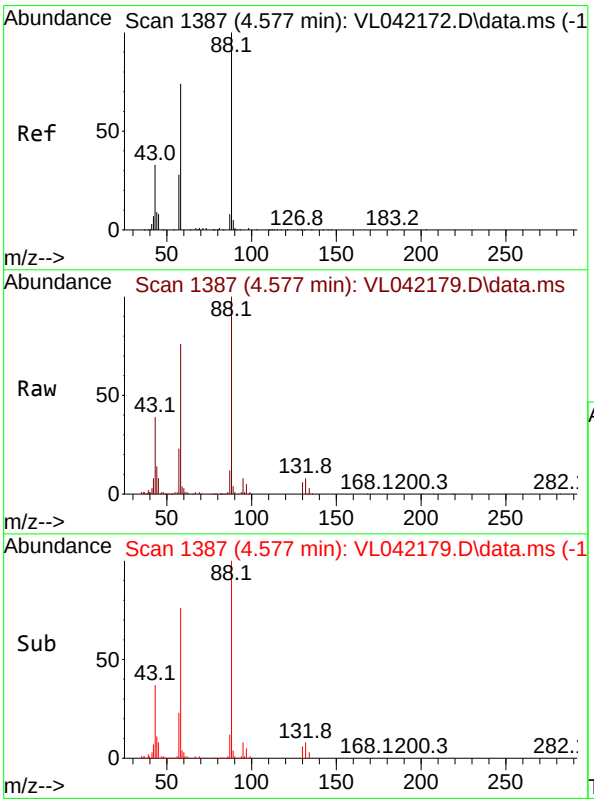
#39
1,2-Dichloropropane
Concen: 9.500 ppbv
RT: 4.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 63 Resp: 170839

Ion	Ratio	Lower	Upper
63	100		
41	75.3	61.7	92.5
62	66.0	57.6	86.4

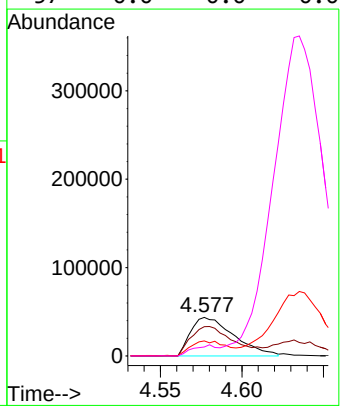


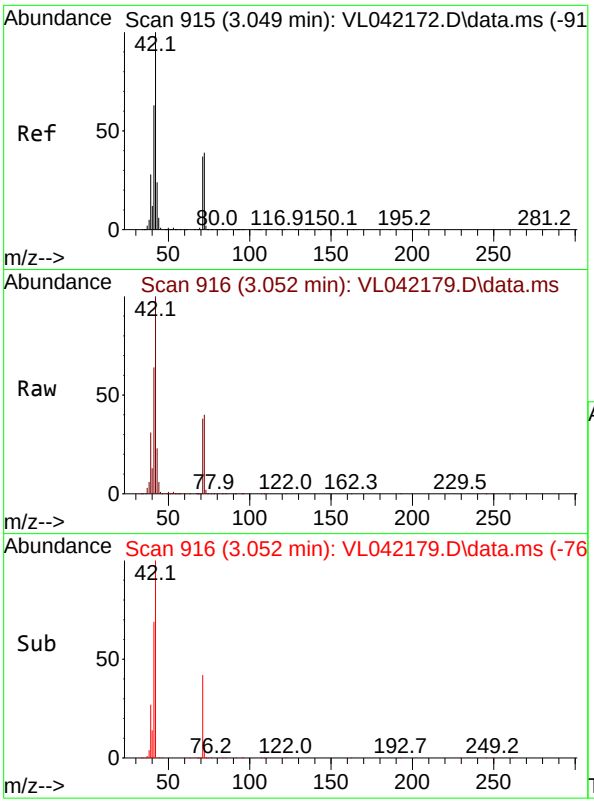


#40
1,4-Dioxane
Concen: 8.443 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 88 Resp: 80592

Ion	Ratio	Lower	Upper
88	100		
58	76.2	62.7	94.1
43	31.4	23.0	34.4
57	0.0	0.0	0.0



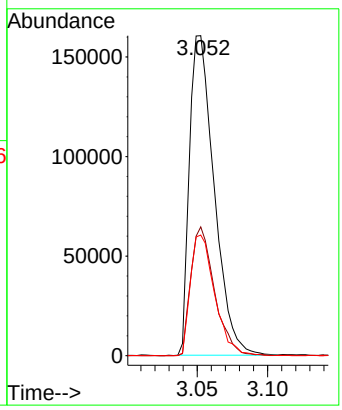


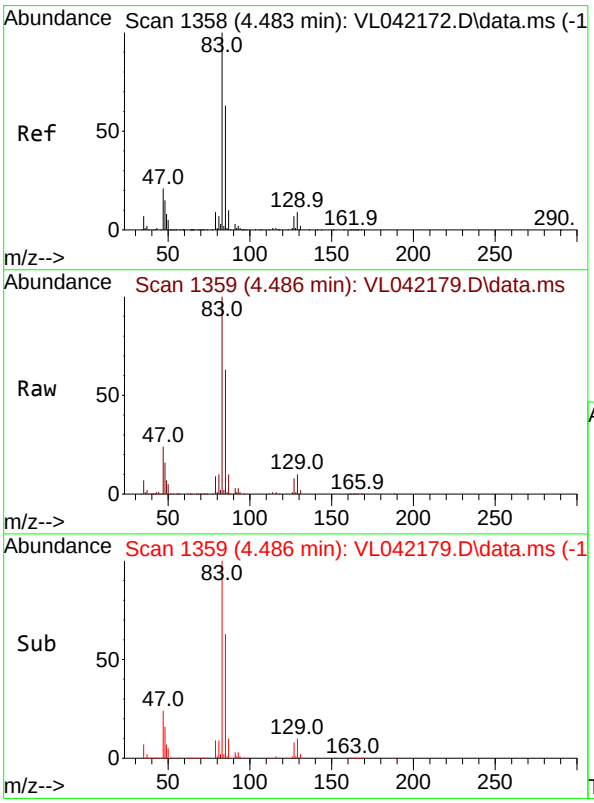
#41
Tetrahydrofuran
Concen: 9.431 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 42 Resp: 196163

Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.4	47.0
71	37.2	30.2	45.4

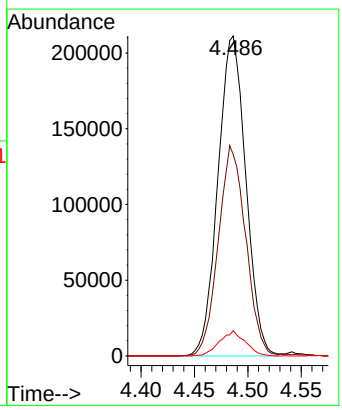


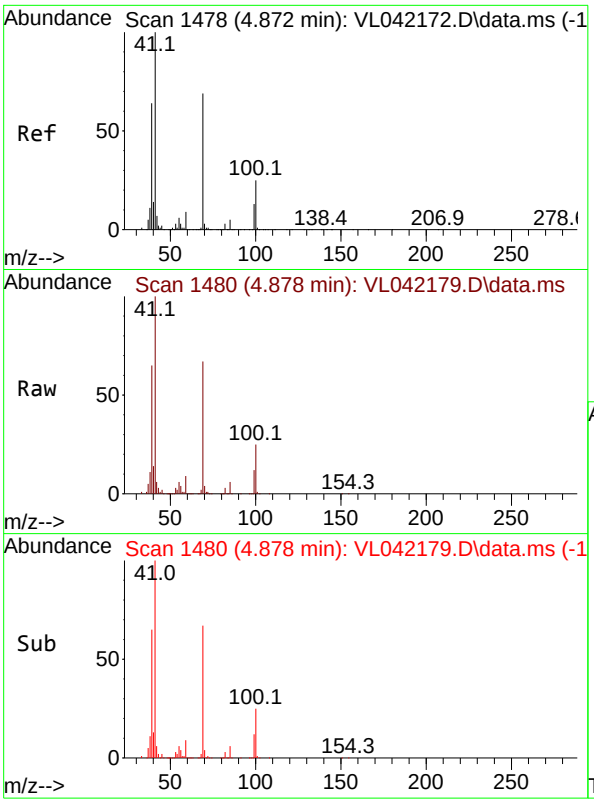


#42
Bromodichloromethane
Concen: 9.853 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 83 Resp: 384006

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	7.9	5.9	8.9



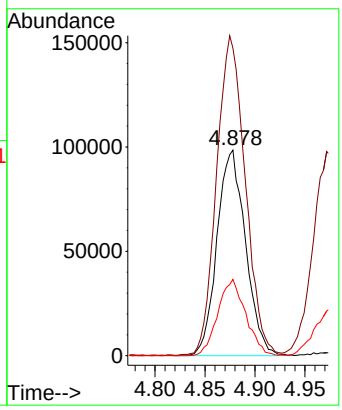


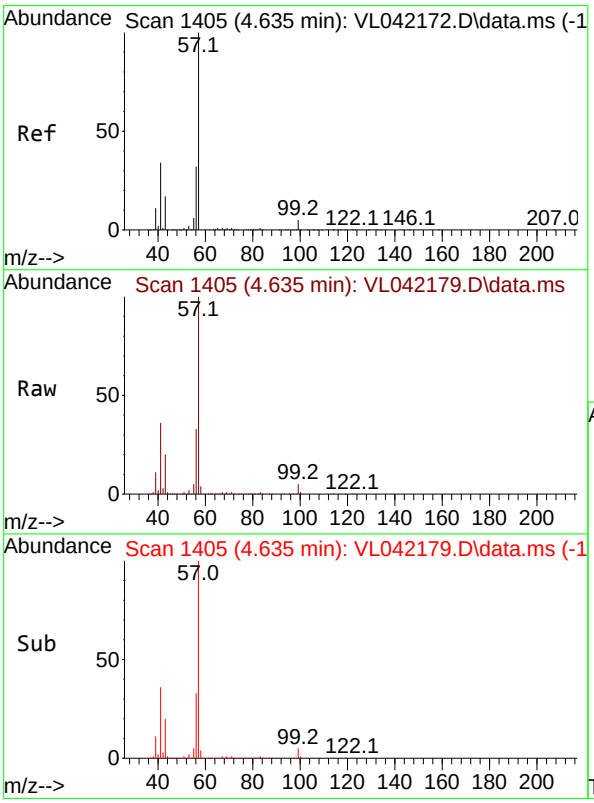
#43
Methyl Methacrylate
Concen: 9.344 ppbv
RT: 4.878 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 69 Resp: 195339

Ion	Ratio	Lower	Upper
69	100		
41	156.4	123.8	185.6
100	36.4	28.4	42.6

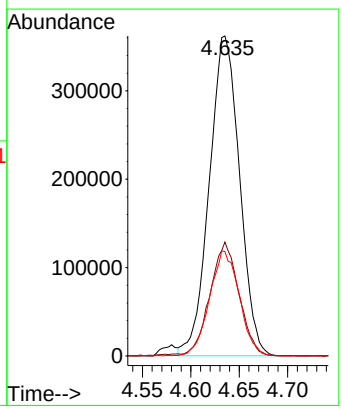


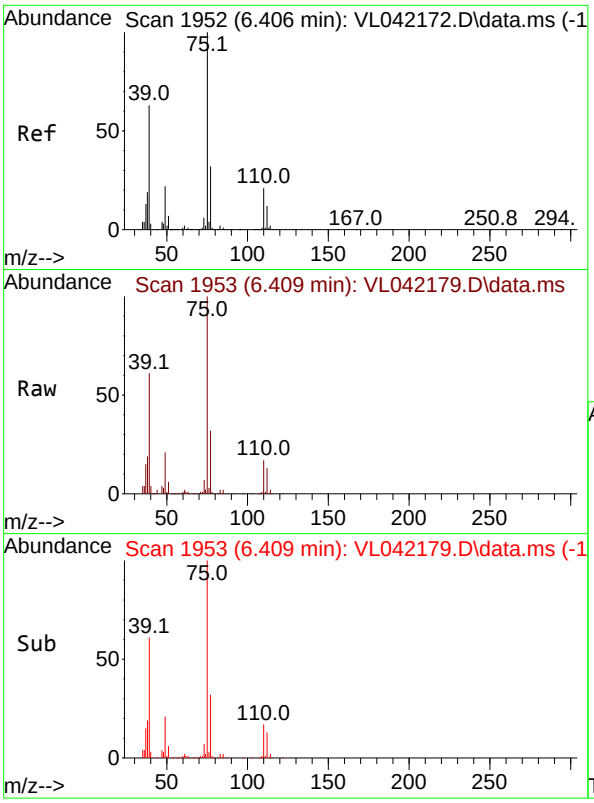


#44
2,2,4-Trimethylpentane
Concen: 9.436 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 57 Resp: 787400

Ion	Ratio	Lower	Upper
57	100		
41	34.3	26.8	40.2
56	32.5	25.6	38.4



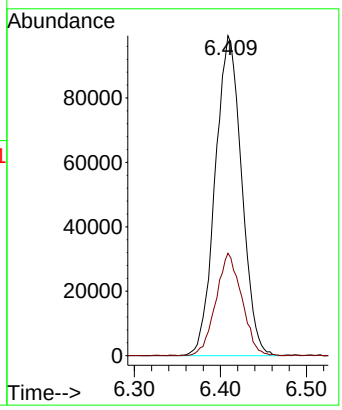


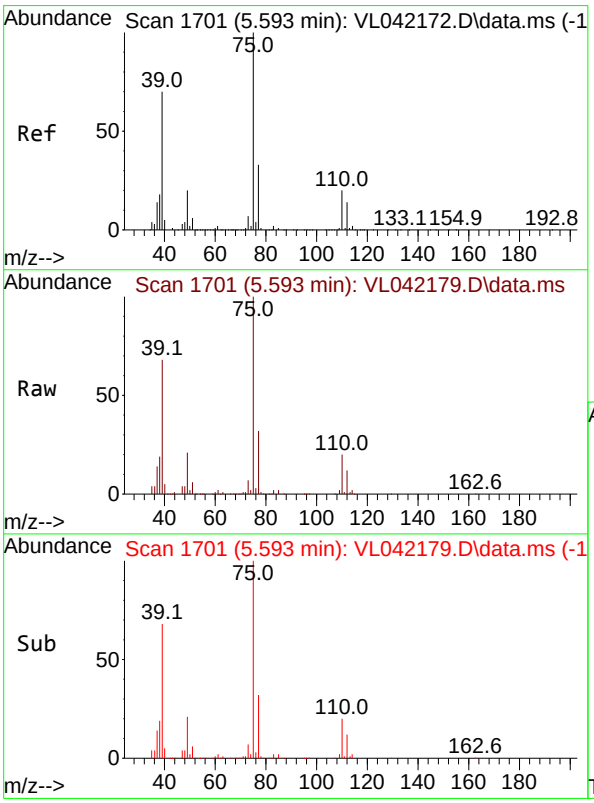
#45
t-1,3-Dichloropropene
Concen: 9.467 ppbv
RT: 6.409 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 75 Resp: 212335

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.0	39.0

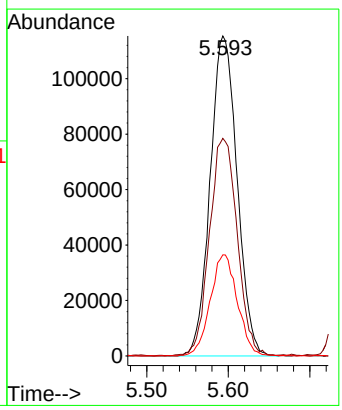


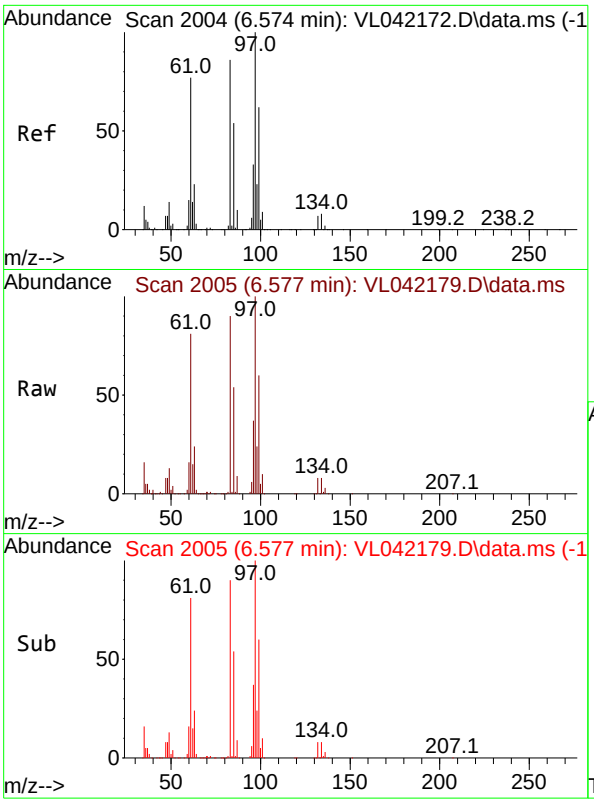


#46
cis-1,3-Dichloropropene
Concen: 9.643 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 75 Resp: 265101

Ion	Ratio	Lower	Upper
75	100		
39	67.8	55.8	83.6
77	31.6	26.0	39.0



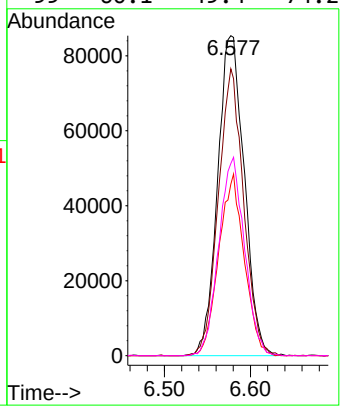


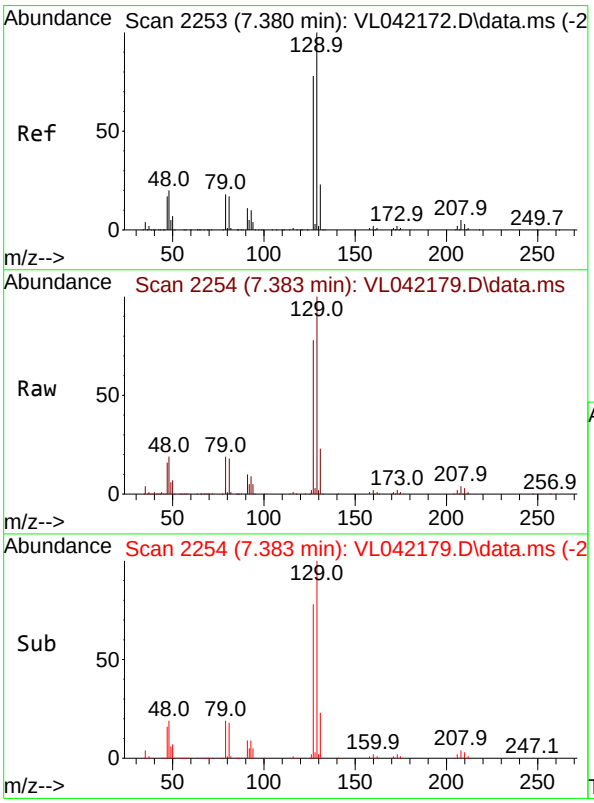
#47
1,1,2-Trichloroethane
Concen: 9.638 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 97 Resp: 183228

Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.2	103.8
85	53.6	43.1	64.7
99	60.1	49.4	74.2

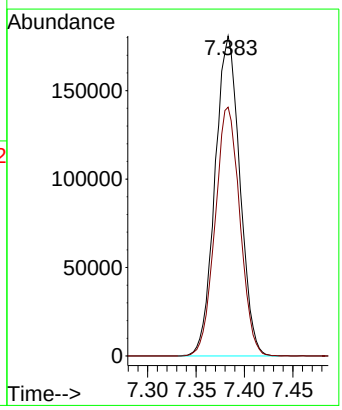


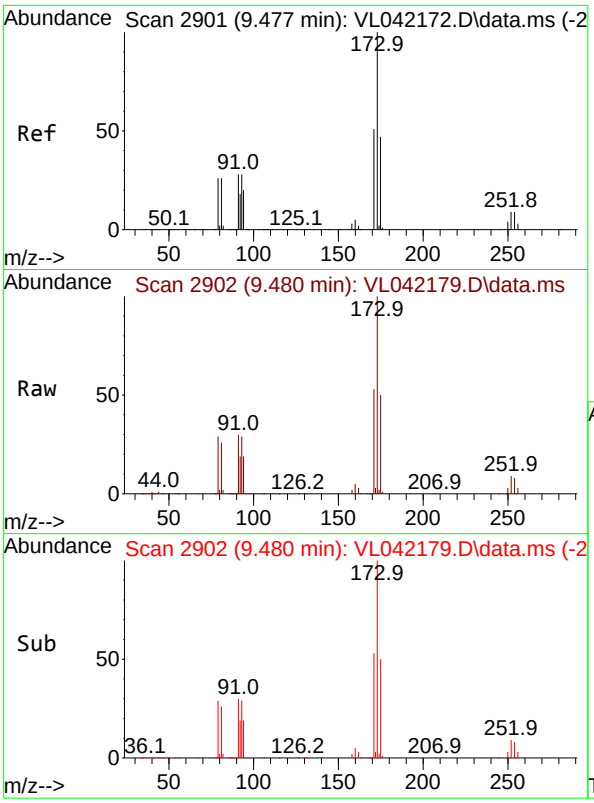


#48
Dibromochloromethane
Concen: 10.018 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:129 Resp: 322766

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.1	117.2



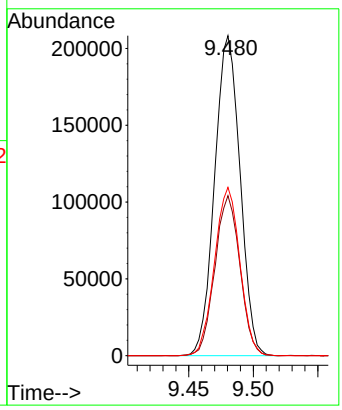


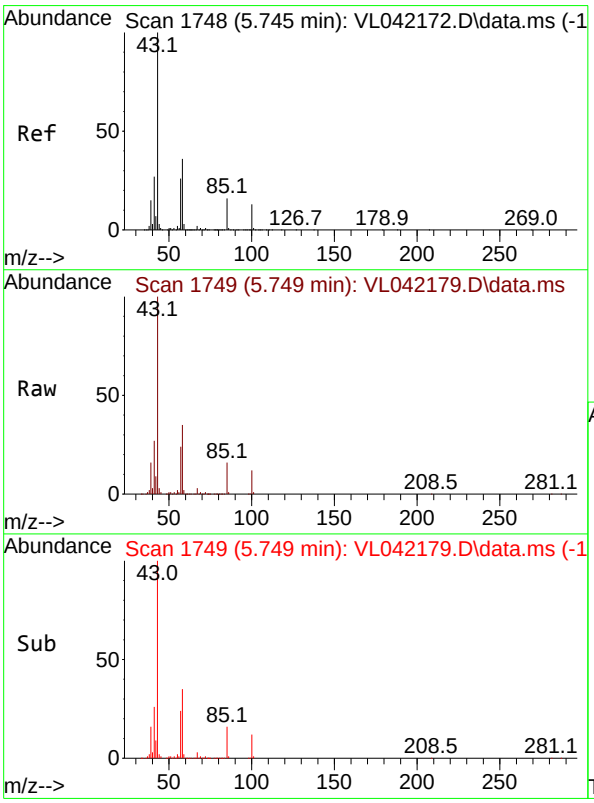
#49
Bromoform
Concen: 9.858 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:173 Resp: 285149

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	57.8
171	52.4	41.8	62.6

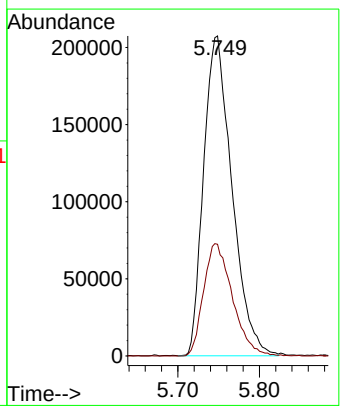


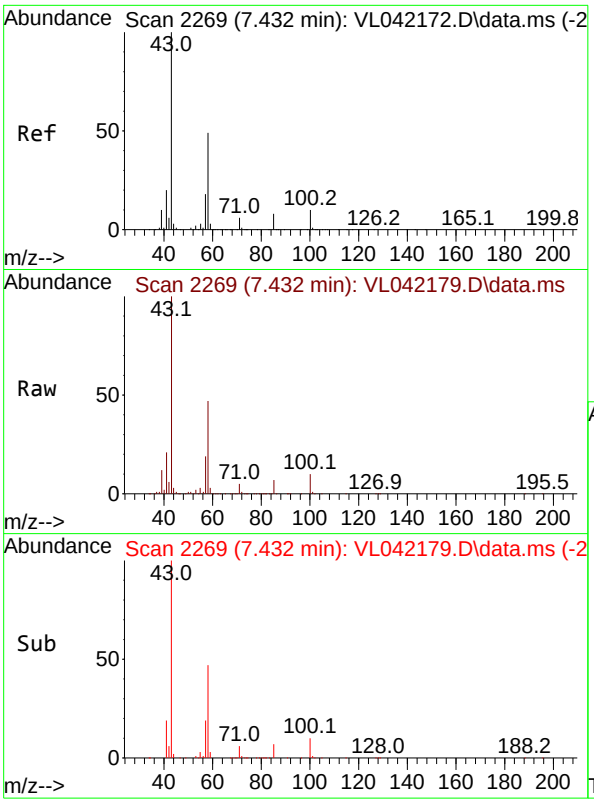


#50
4-Methyl-2-Pentanone
Concen: 8.749 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 43 Resp: 500791

Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.0	43.6



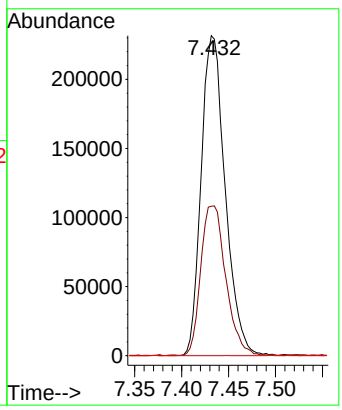


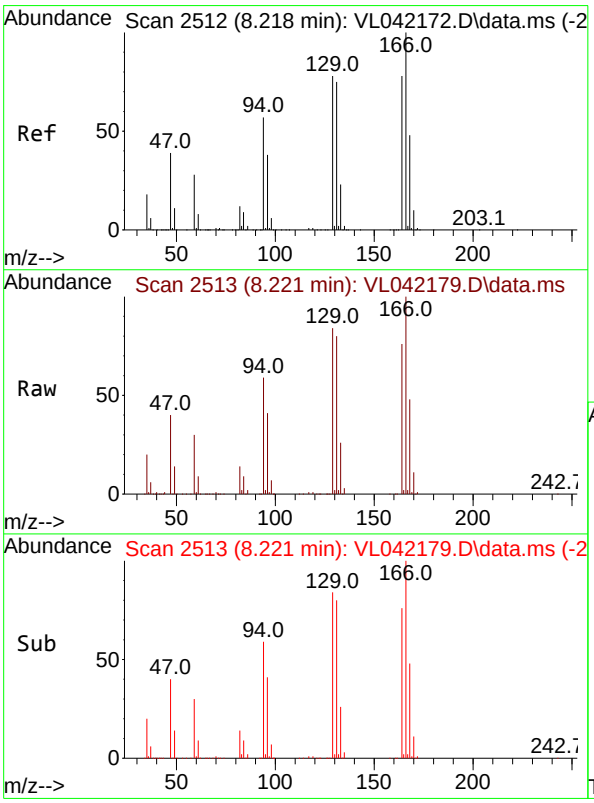
#51
2-Hexanone
Concen: 8.741 ppbv
RT: 7.432 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 43 Resp: 410889

Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.7	59.5
98	0.0	0.1	0.1#

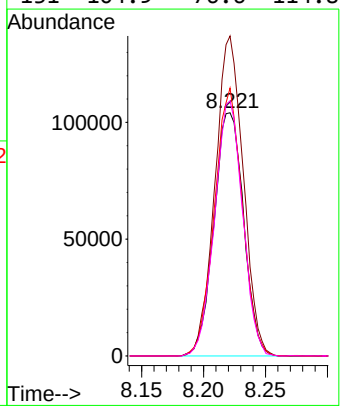


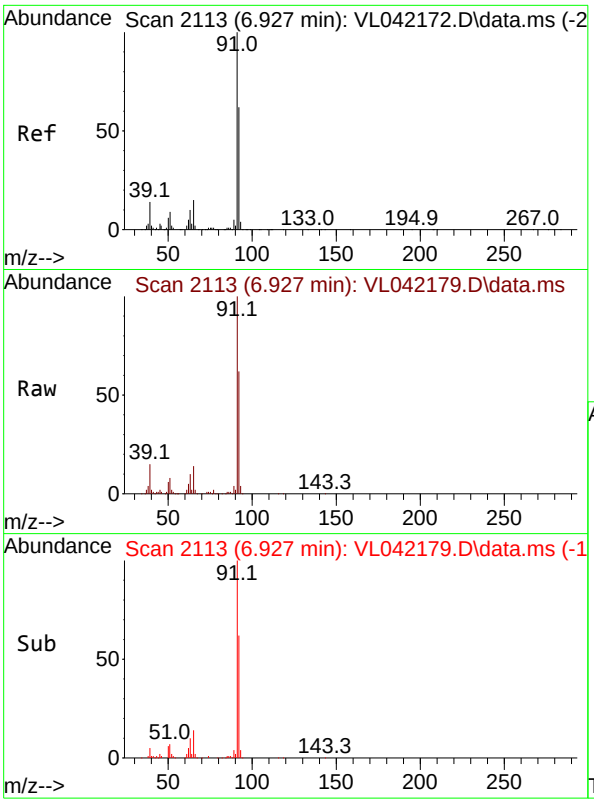


#52
Tetrachloroethene
Concen: 8.855 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:164 Resp: 173420

Ion	Ratio	Lower	Upper
164	100		
166	131.6	102.5	153.7
129	110.1	79.8	119.8
131	104.9	76.6	114.8



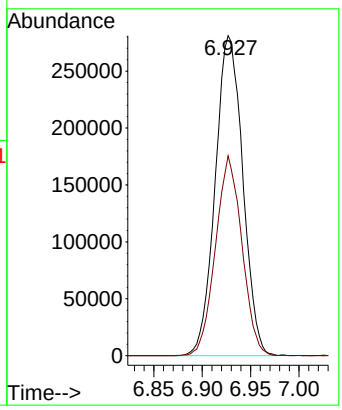


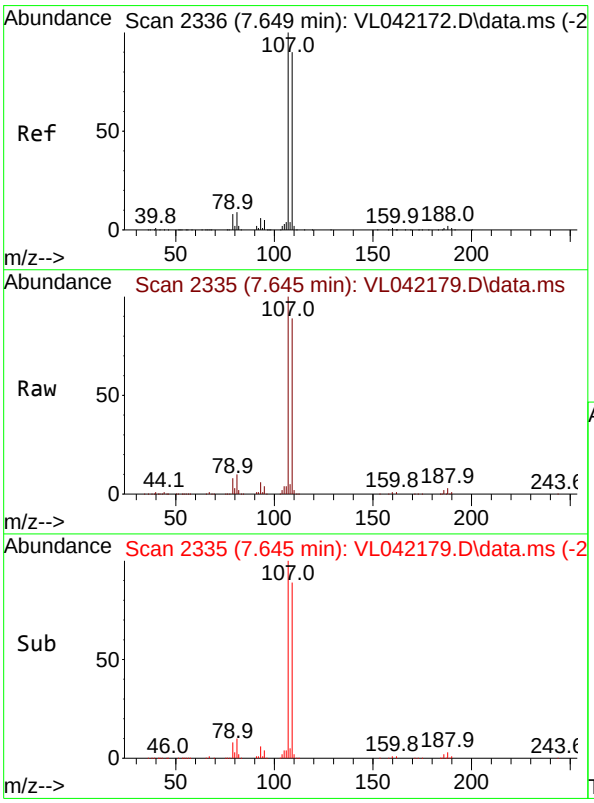
#53
Toluene
Concen: 9.514 ppbv
RT: 6.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 91 Resp: 556897

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.4	72.6

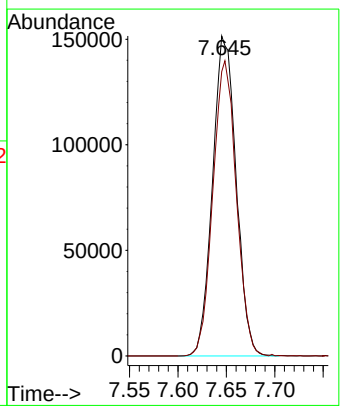


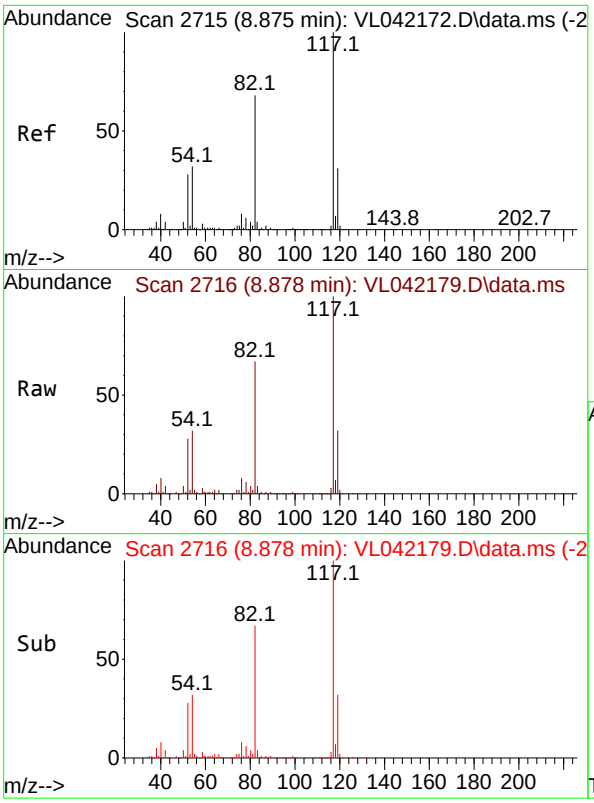


#54
1,2-Dibromoethane
Concen: 9.695 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:107 Resp: 256930

Ion	Ratio	Lower	Upper
107	100		
109	88.9	72.2	108.4



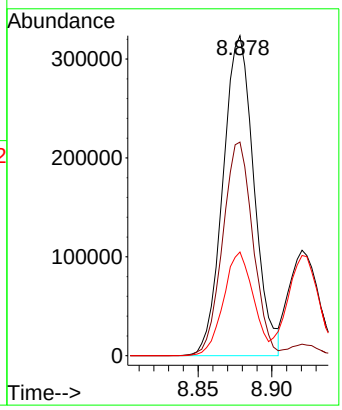


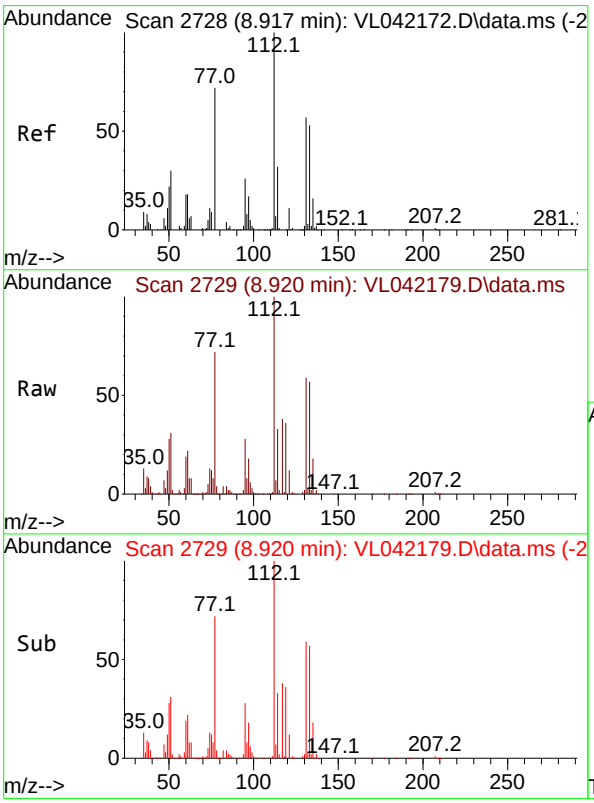
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:117 Resp: 473357

Ion	Ratio	Lower	Upper
117	100		
82	68.7	55.8	83.6
119	31.2	25.5	38.3

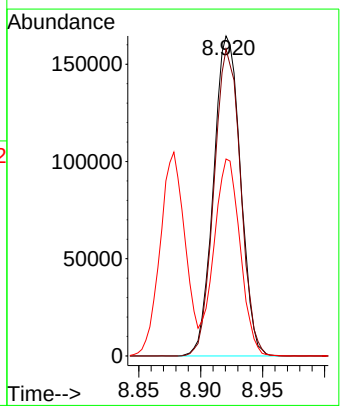


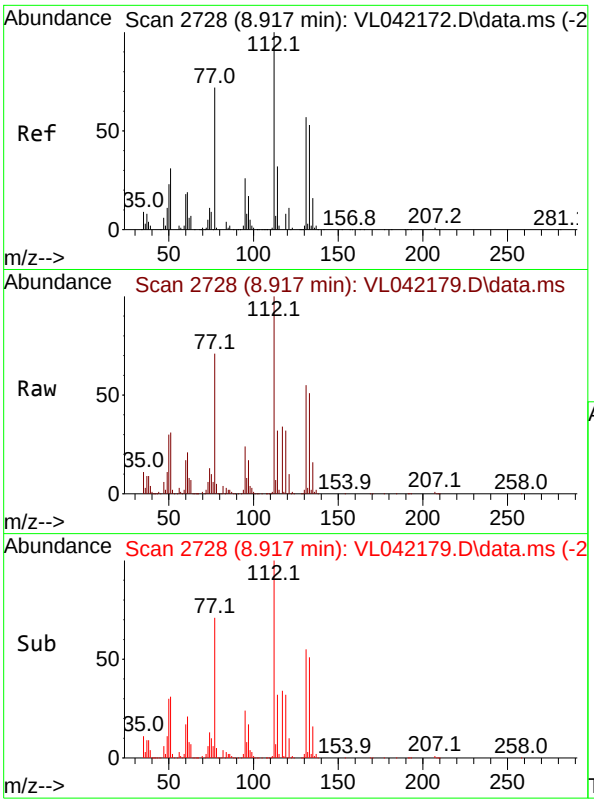


#56
1,1,1,2-Tetrachloroethane
Concen: 9.567 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:131 Resp: 249270

Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.6	114.8
119	61.3	49.8	74.6



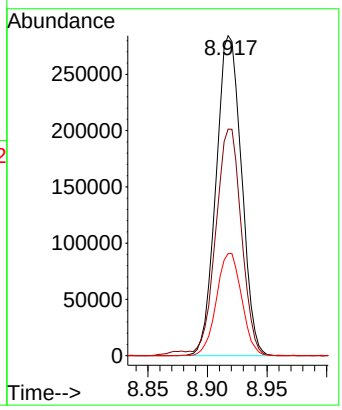


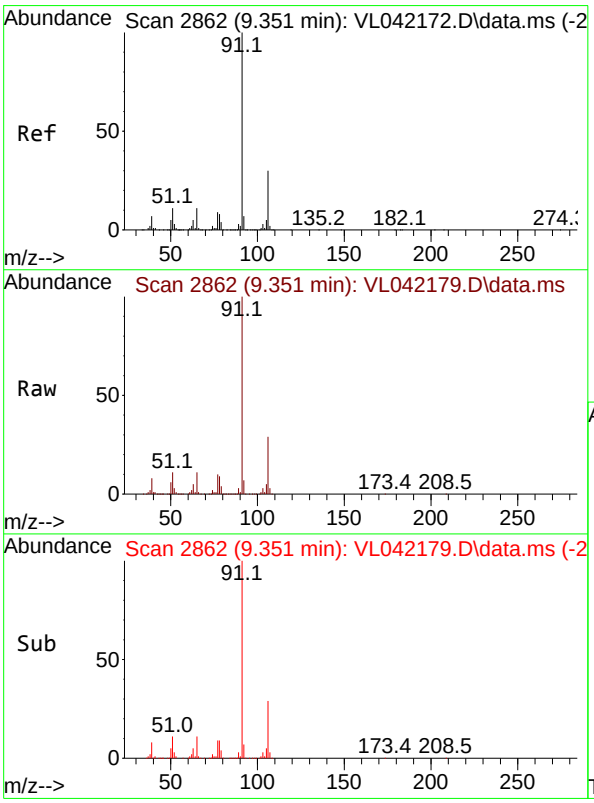
#57
Chlorobenzene
Concen: 9.411 ppbv
RT: 8.917 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:112 Resp: 422531

Ion	Ratio	Lower	Upper
112	100		
77	70.6	58.2	87.2
114	31.9	29.1	35.5

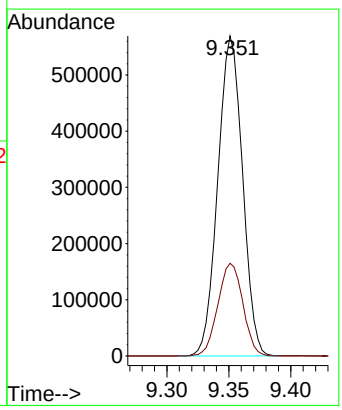


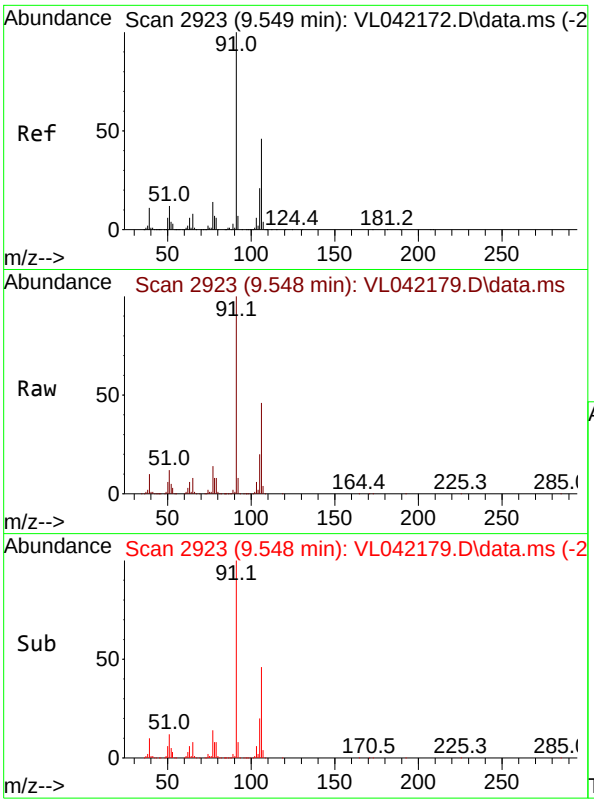


#58
Ethyl Benzene
Concen: 9.412 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 791360

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.2	36.2



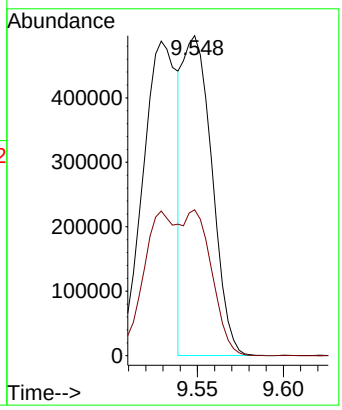


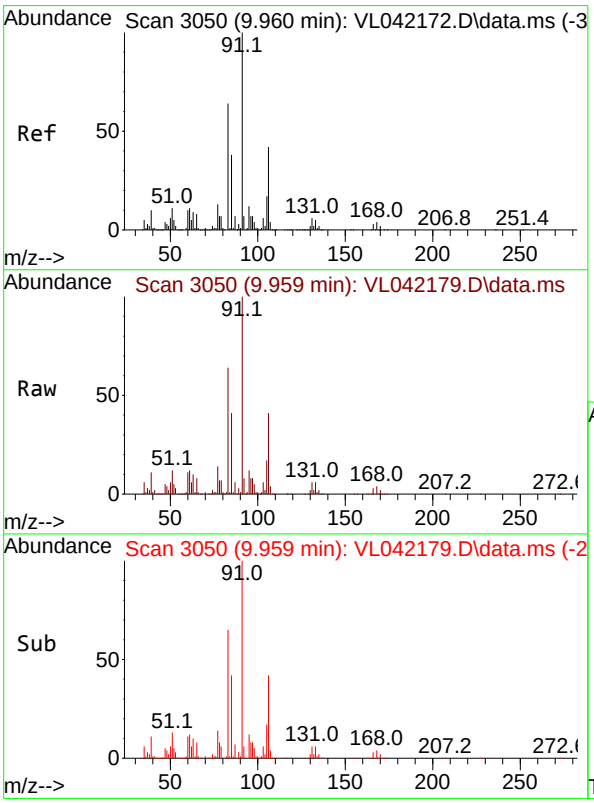
#59
m/p-Xylene
Concen: 8.695 ppbv
RT: 9.548 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 91 Resp: 583773

Ion	Ratio	Lower	Upper
91	100		
106	97.9	36.4	54.6#

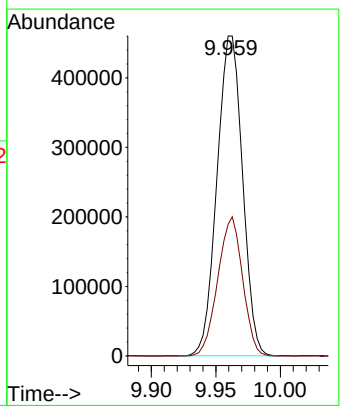


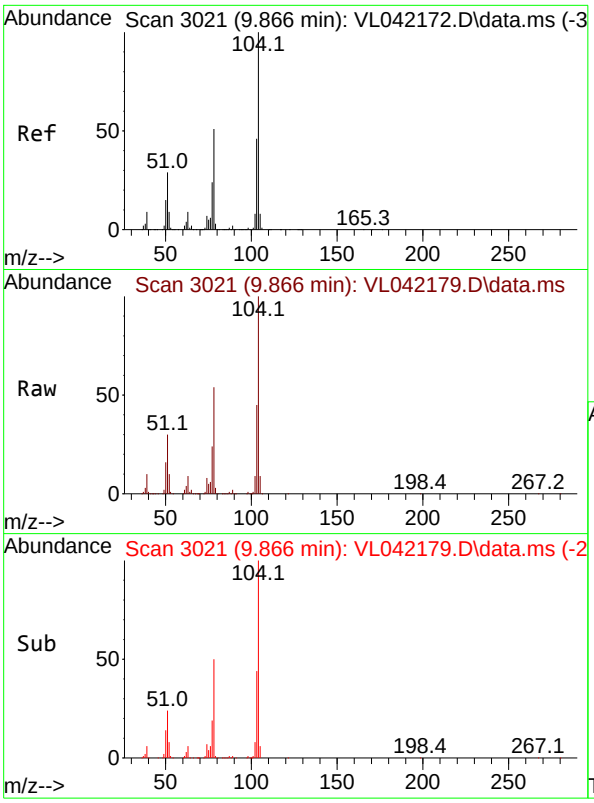


#60
o-Xylene
Concen: 9.404 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 632918

Ion	Ratio	Lower	Upper
91	100		
106	42.2	20.8	62.5



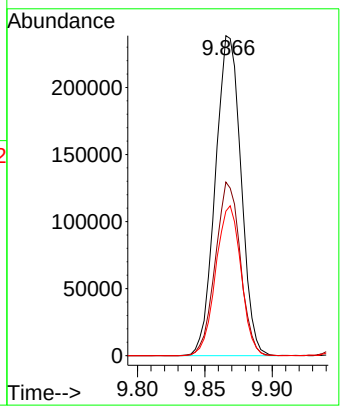


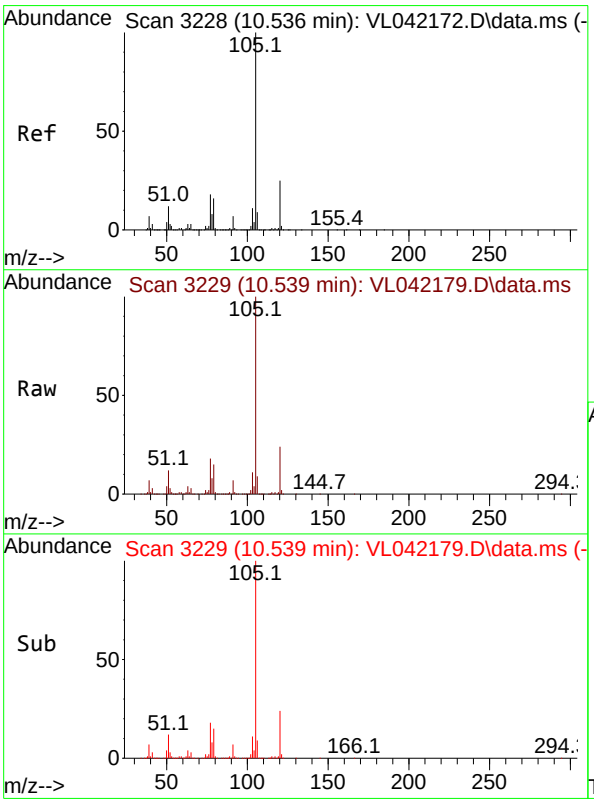
#61
Styrene
Concen: 9.488 ppbv
RT: 9.866 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:104 Resp: 315910

Ion	Ratio	Lower	Upper
104	100		
78	52.8	41.8	62.6
103	46.3	37.0	55.4

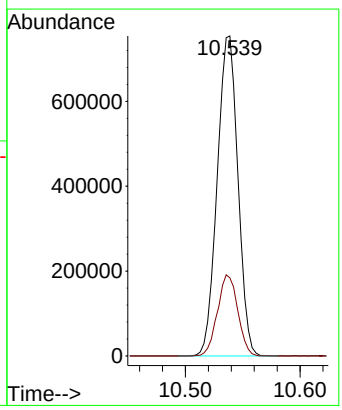


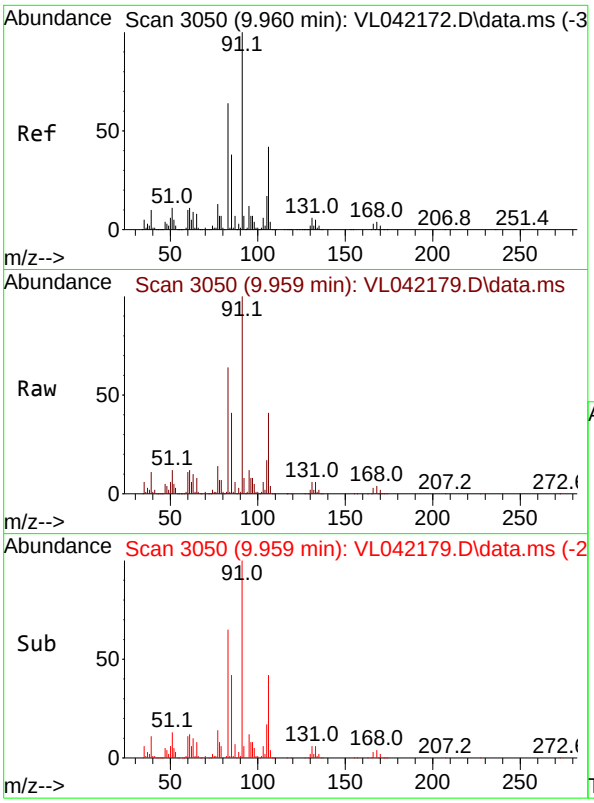


#62
Isopropylbenzene
Concen: 9.388 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 944938

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.9	29.9



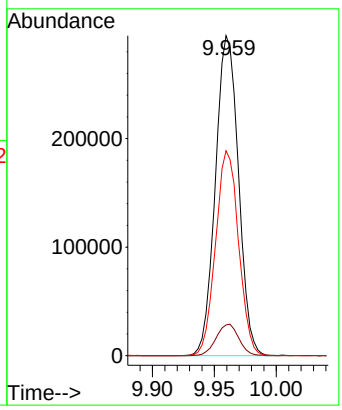


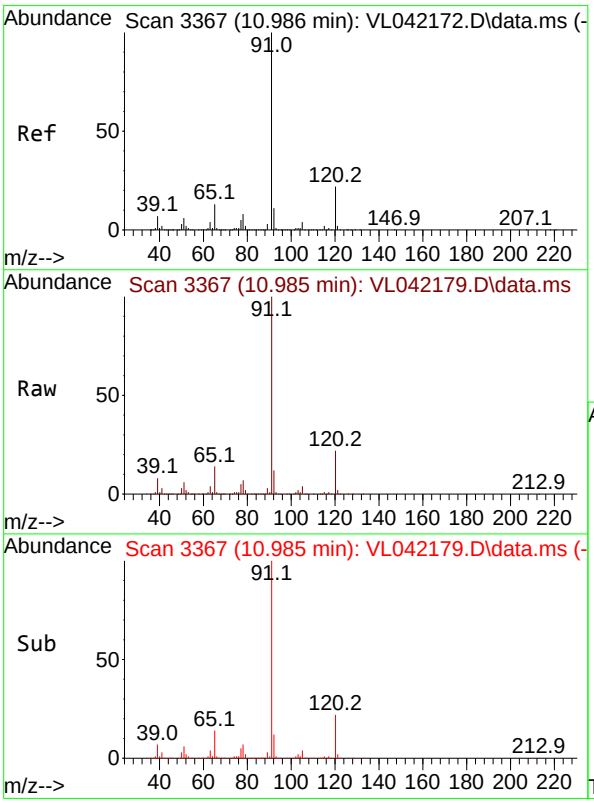
#63
1,1,2,2-Tetrachloroethane
Concen: 9.357 ppbv
RT: 9.959 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 83 Resp: 382635

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	63.9	32.5	97.5

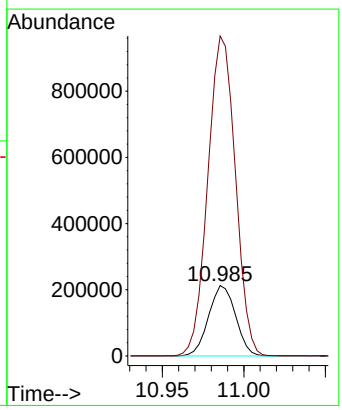


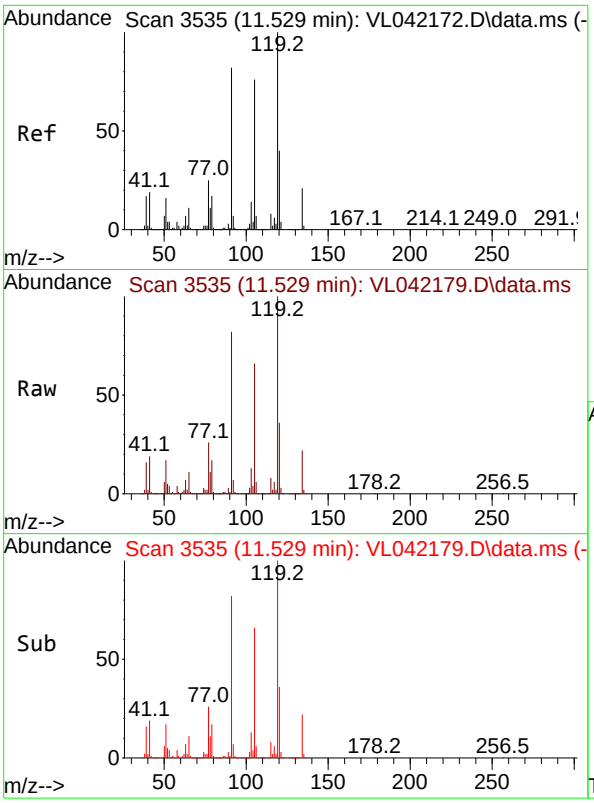


#64
n-propylbenzene
Concen: 9.439 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:120 Resp: 244547

Ion	Ratio	Lower	Upper
120	100		
91	465.9	376.9	565.3



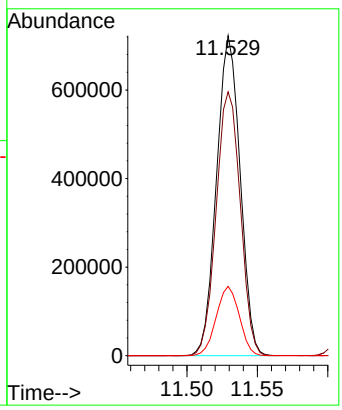


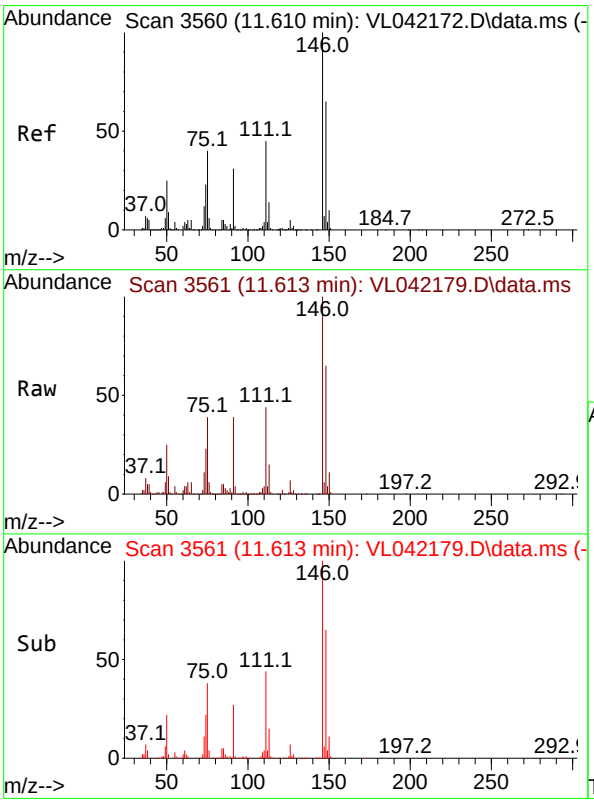
#65
tert-Butylbenzene
Concen: 9.065 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:119 Resp: 843828

Ion	Ratio	Lower	Upper
119	100		
91	84.3	66.0	99.0
134	21.2	16.7	25.1

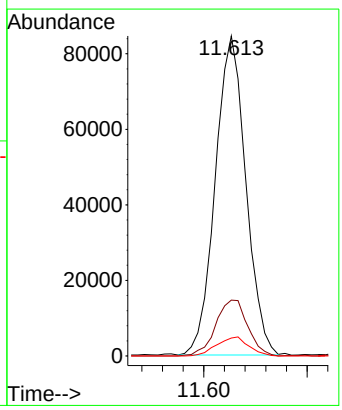


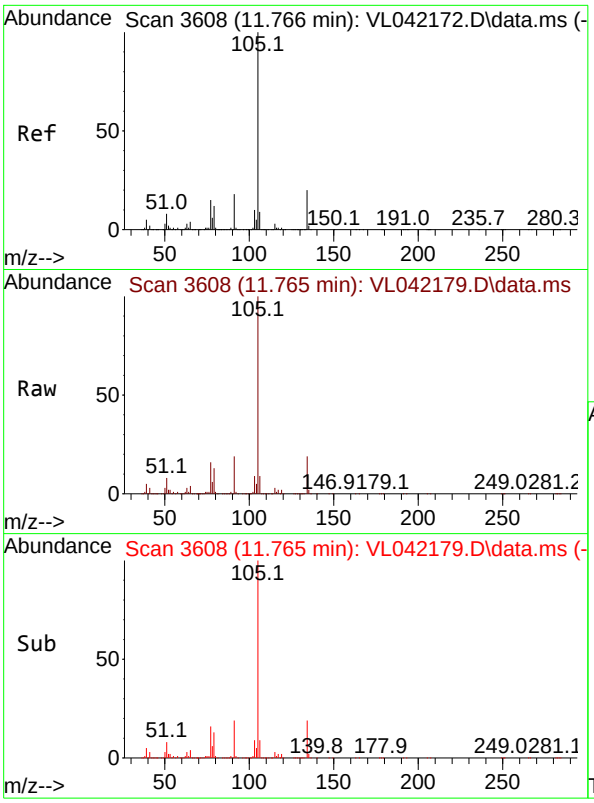


#66
Benzyl Chloride
Concen: 8.789 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 86804

Ion	Ratio	Lower	Upper
91	100		
126	18.5	13.8	20.6
128	6.2	4.5	6.7



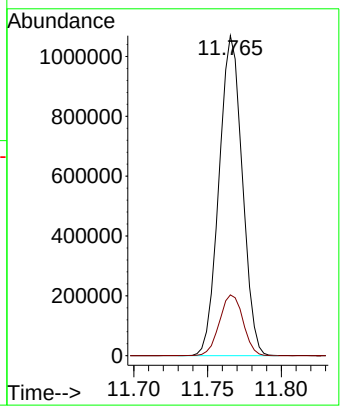


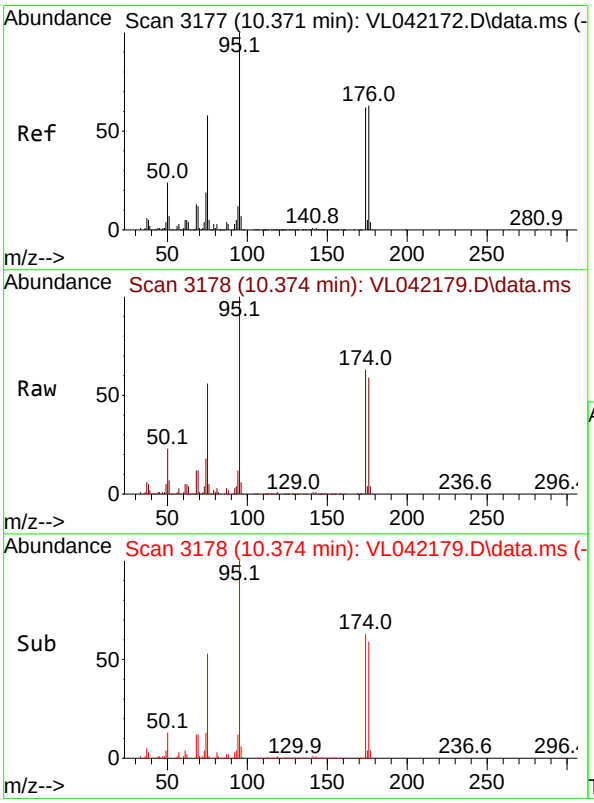
#67
sec-Butylbenzene
Concen: 9.063 ppbv
RT: 11.765 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:105 Resp: 1172636

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

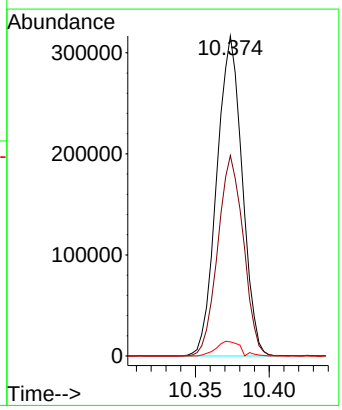


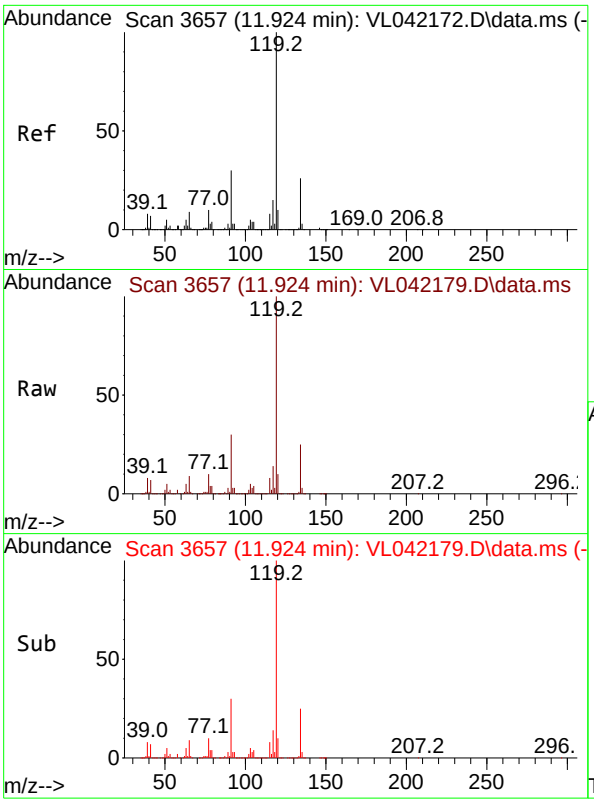


#68
1-Bromo-4-Fluorobenzene
Concen: 9.774 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 95 Resp: 379929

Ion	Ratio	Lower	Upper
95	100		
174	63.0	50.6	76.0
175	4.4	3.8	5.6



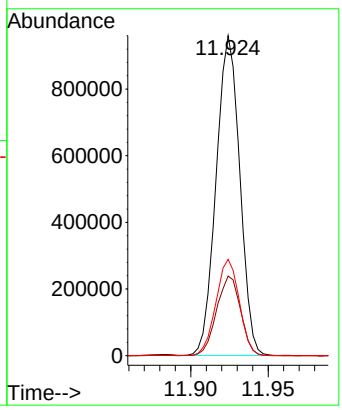


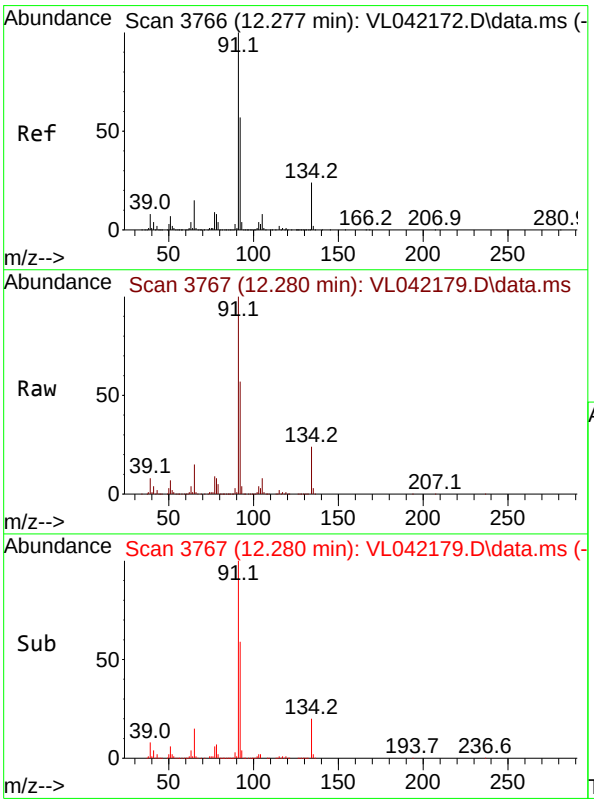
#69
p-Isopropyltoluene
Concen: 9.153 ppbv
RT: 11.924 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:119 Resp: 1019694

Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.4	30.6
91	29.9	23.7	35.5

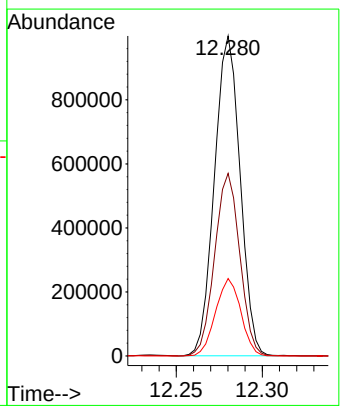


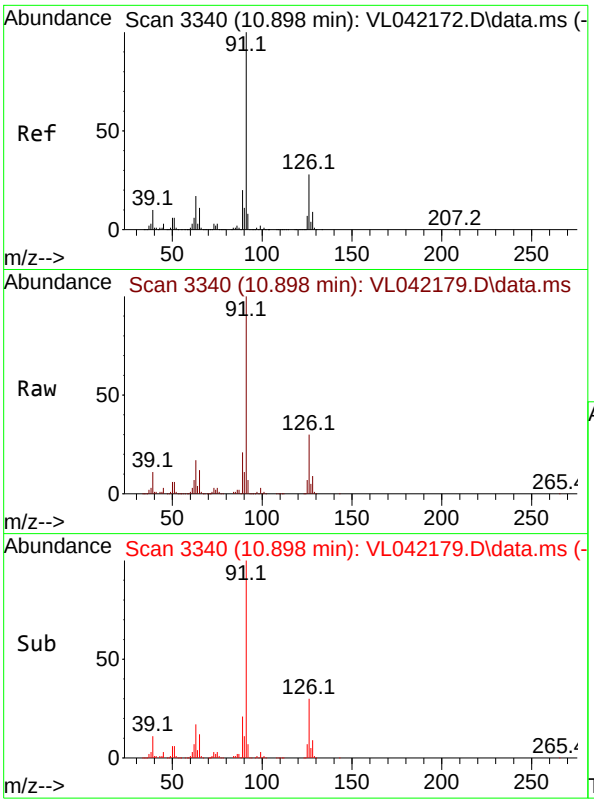


#70
n-Butylbenzene
Concen: 9.115 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 1038548

Ion	Ratio	Lower	Upper
91	100		
92	56.0	44.9	67.3
134	23.8	19.2	28.8



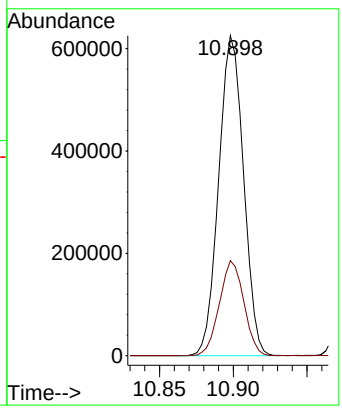


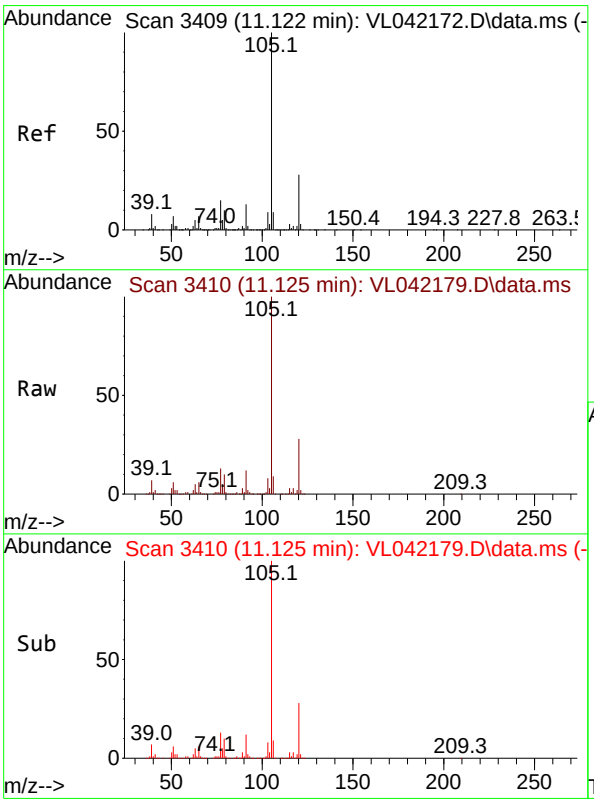
#71
2-Chlorotoluene
Concen: 9.382 ppbv
RT: 10.898 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 91 Resp: 732874

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.6	46.4

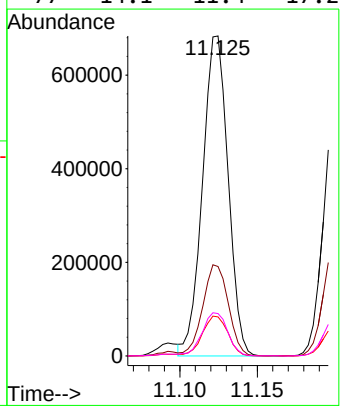


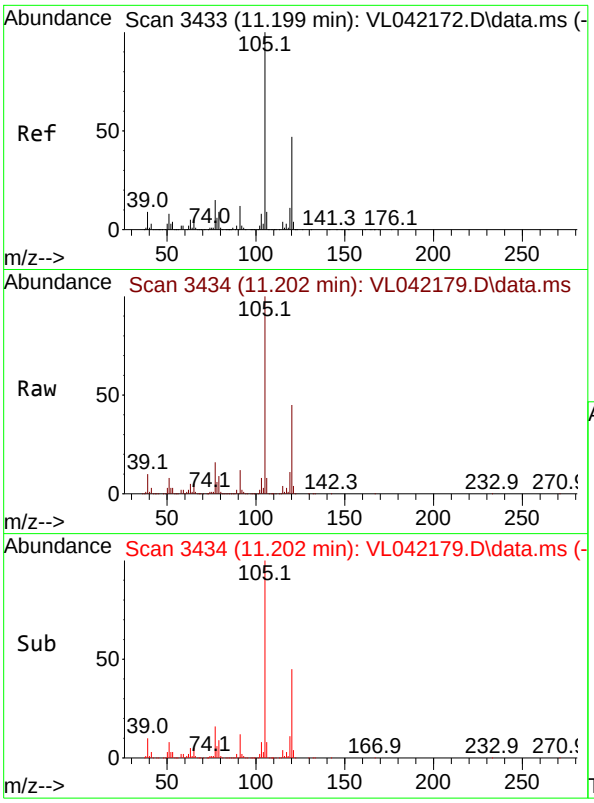


#72
4-Ethyltoluene
Concen: 9.370 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 785185

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.4	35.0
91	12.9	10.3	15.5
77	14.1	11.4	17.2



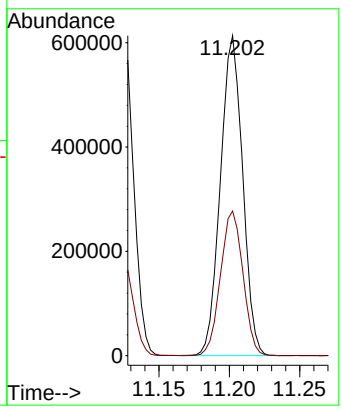


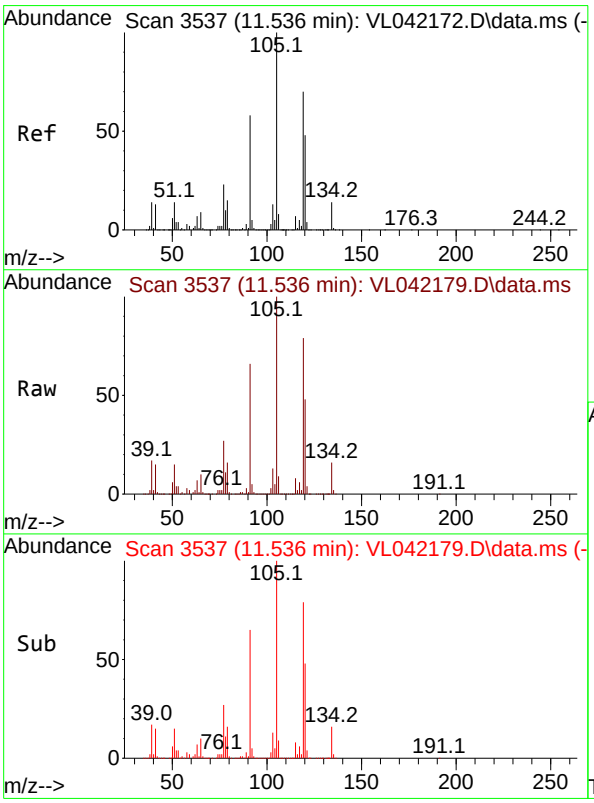
#73
1,3,5-Trimethylbenzene
Concen: 9.203 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:105 Resp: 673541

Ion	Ratio	Lower	Upper
105	100		
120	45.2	37.4	56.0

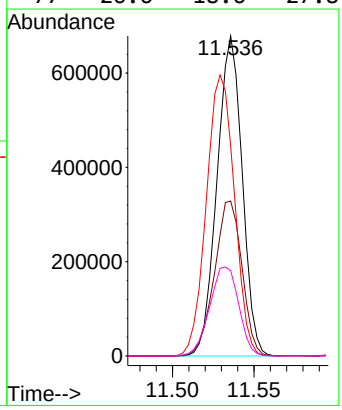


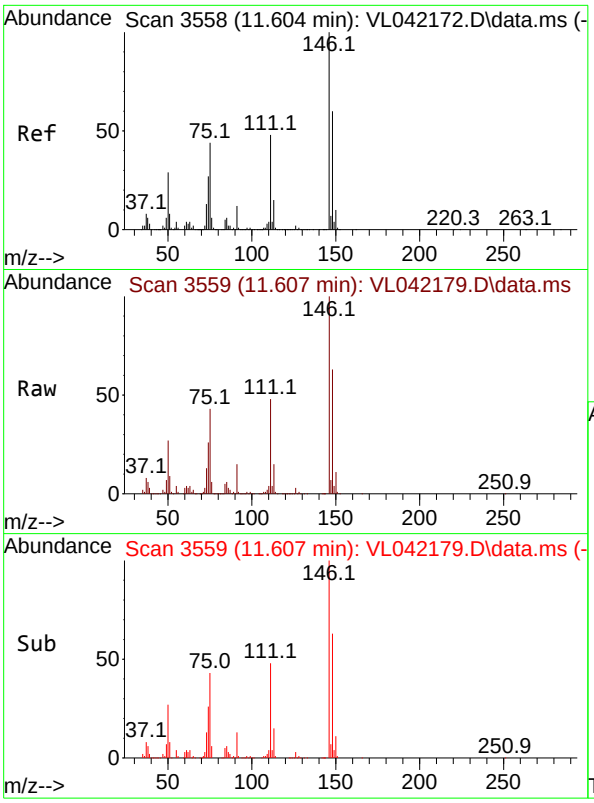


#74
1,2,4-Trimethylbenzene
Concen: 8.648 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 729155

Ion	Ratio	Lower	Upper
105	100		
120	48.4	38.6	58.0
91	65.6	46.2	69.2
77	26.6	18.6	27.8



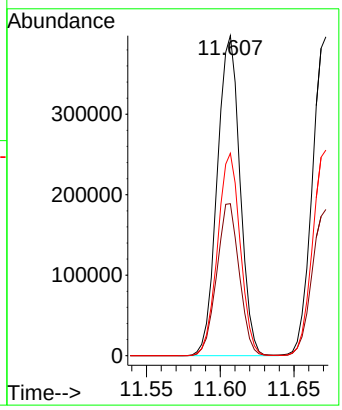


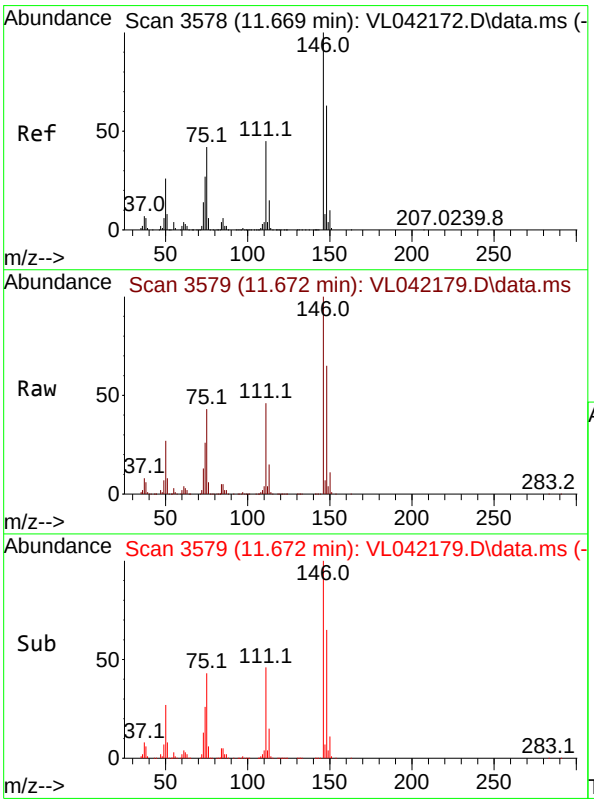
#75
1,3-Dichlorobenzene
Concen: 9.224 ppbv
RT: 11.607 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:146 Resp: 426573

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.8	71.2
148	62.9	31.9	95.9

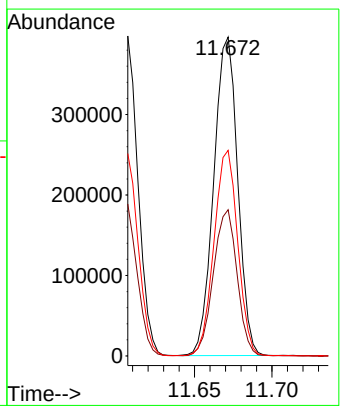


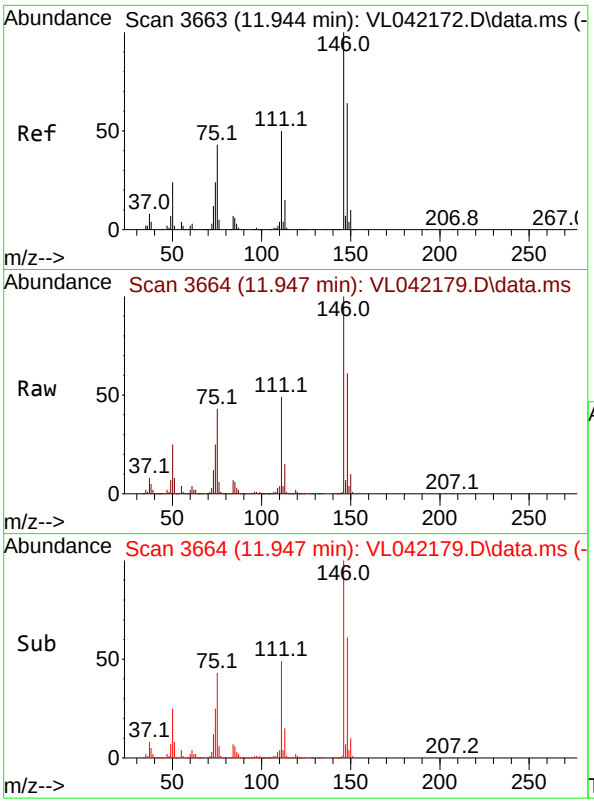


#76
1,4-Dichlorobenzene
Concen: 9.263 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:146 Resp: 426318

Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.0	69.0
148	64.1	31.9	95.7



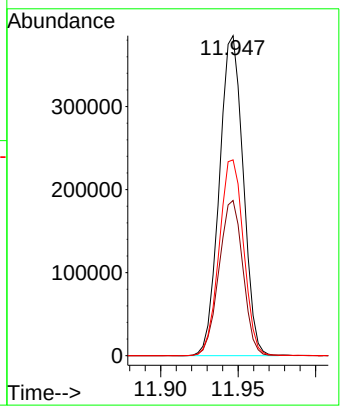


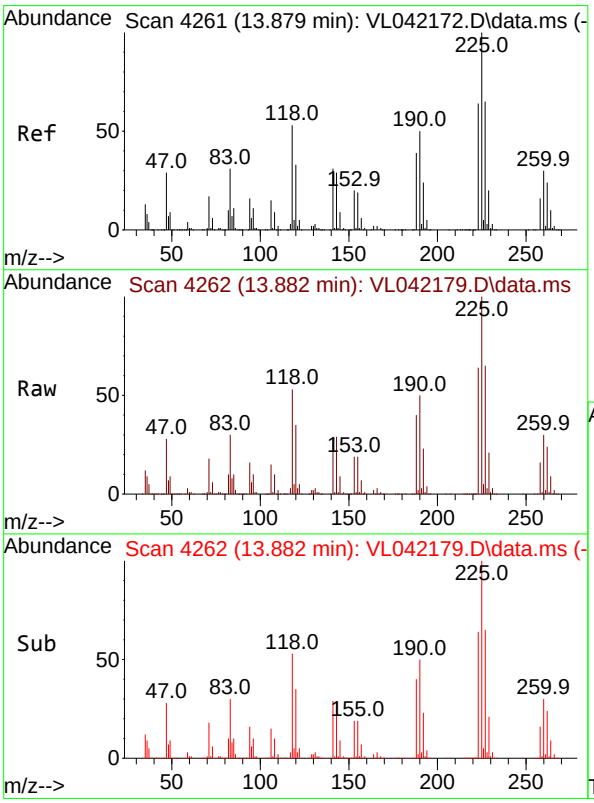
#77
1,2-Dichlorobenzene
Concen: 9.154 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:146 Resp: 412180

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.8	74.3
148	62.8	31.6	94.8

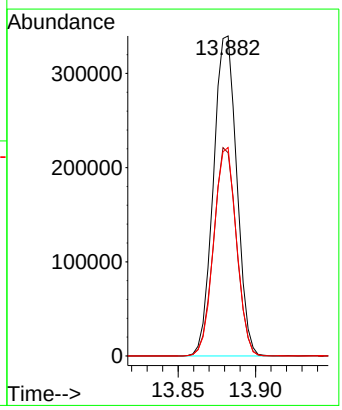


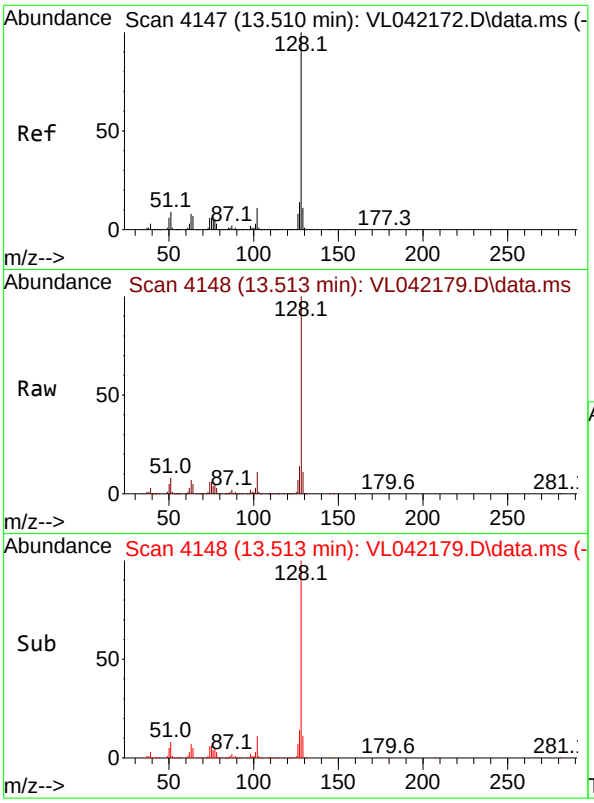


#78
Hexachloro-1,3-Butadiene
Concen: 7.776 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:225 Resp: 356386

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	63.4	51.2	76.8



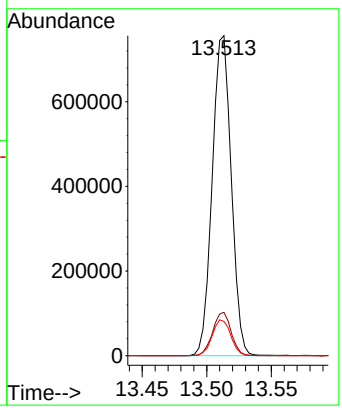


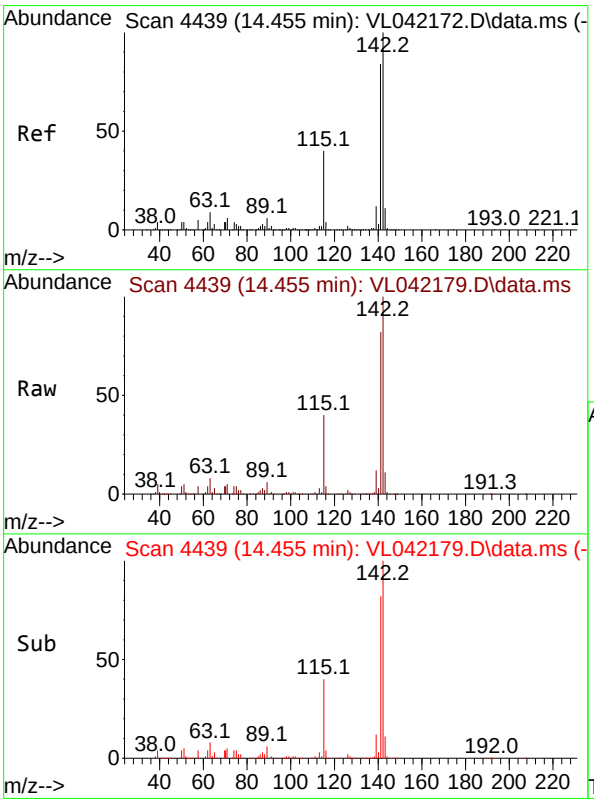
#79
Naphthalene
Concen: 8.385 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:128 Resp: 773311

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.7	9.0	13.4

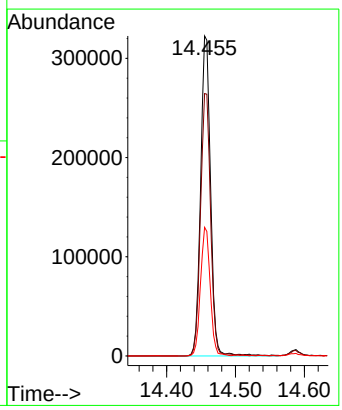


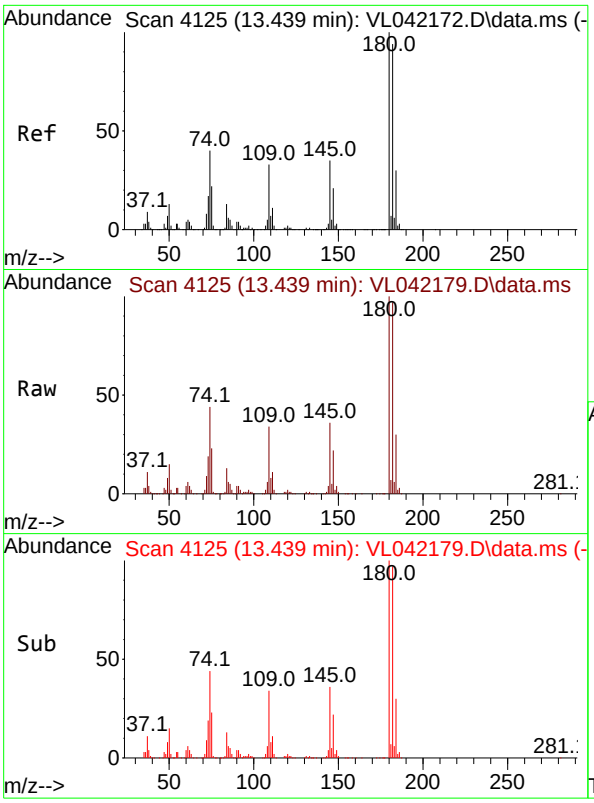


#80
Naphthalene,2-methyl-
Concen: 7.151 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:142 Resp: 323443

Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.3	99.5
115	39.8	31.6	47.4



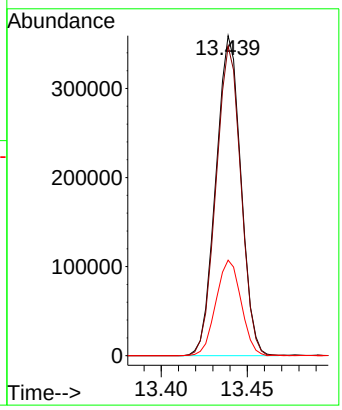


#81
1,2,4-Trichlorobenzene
Concen: 8.553 ppbv
RT: 13.439 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion:180 Resp: 363863

Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.1	112.7
184	30.1	24.4	36.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 08 01:50:24 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	2.800	49	190462	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	513778	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	464477	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	380328	9.971	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	273290	9.718	ppbv	100
3) Chlorodifluoromethane	1.479	51	273791	9.530	ppbv	97
4) Chloromethane	1.538	50	110890	9.649	ppbv	96
5) Vinyl Chloride	1.586	62	101851	8.363	ppbv	98
6) Bromomethane	1.674	94	47719	9.162	ppbv	99
7) Chloroethane	1.709	64	41389	8.972	ppbv	95
8) Dichlorotetrafluoroethane	1.560	85	230557	9.627	ppbv	94
9) Propene	1.489	41	103393	7.852	ppbv	99
10) Heptane	5.001	43	158430	4.523	ppbv #	28
11) Trichlorofluoromethane	1.884	101	261667	9.563	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	209865	9.331	ppbv	98
13) Ethanol	1.729	45	6198	4.979	ppbv	84
14) Bromoethene	1.787	108	72937	8.465	ppbv	98
15) Acetone	1.842	43	229629	8.621	ppbv	94
16) 1,3-Butadiene	1.615	39	109521	8.419	ppbv	100
17) tert-Butyl alcohol	2.049	59	281754	8.492	ppbv	100
18) 1,1-Dichloroethene	2.043	96	94213	8.960	ppbv	97
19) Isopropyl Alcohol	1.894	45	132147	8.793	ppbv	98
20) Methylene Chloride	2.069	84	80384	8.103	ppbv	91
21) Allyl Chloride	2.104	41	167907	8.938	ppbv	96
22) trans-1,2-Dichloroethene	2.350	96	105790	8.705	ppbv	94
23) Vinyl Acetate	2.473	43	97959	8.497	ppbv	98
24) 1,1-Dichloroethane	2.418	63	210138	9.328	ppbv	98
25) Ethyl Acetate	2.849	43	632090	9.143	ppbv	100
26) Hexane	2.839	57	241568	9.046	ppbv	98
27) Carbon Disulfide	2.159	76	262150	9.155	ppbv	96
28) Methyl tert-Butyl Ether	2.450	73	145310	8.740	ppbv	94
29) Chloroform	2.862	83	397772	10.178	ppbv	98
30) Cyclohexane	3.875	84	204416	8.816	ppbv	96
31) cis-1,2-Dichloroethene	2.732	61	246306	9.085	ppbv	98
32) 1,1,1-Trichloroethane	3.383	97	409916	9.162	ppbv	99
34) 2-Butanone	2.570	43	358832	9.632	ppbv	99
35) Carbon Tetrachloride	3.781	117	425964	10.613	ppbv	99
36) Benzene	3.674	78	490813	9.636	ppbv	99
37) 1,2-Dichloroethane	3.234	62	314121	10.772	ppbv	98
38) Trichloroethene	4.574	130	202154	9.512	ppbv	97
39) 1,2-Dichloropropane	4.337	63	175704	9.472	ppbv	92
40) 1,4-Dioxane	4.606	88	86664	8.803	ppbv #	92
41) Tetrahydrofuran	3.069	42	199313	9.290	ppbv	98
42) Bromodichloromethane	4.512	83	430997	10.721	ppbv	99
43) Methyl Methacrylate	4.907	69	185545	8.605	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	824962	9.584	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	201676	8.718	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 08 01:50:24 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)
46) cis-1,3-Dichloropropene	5.632	75	252032	8.888	ppbv		96
47) 1,1,2-Trichloroethane	6.610	97	200780	10.239	ppbv		95
48) Dibromochloromethane	7.412	129	346881	10.438	ppbv		100
49) Bromoform	9.500	173	296338	9.932	ppbv		100
50) 4-Methyl-2-Pentanone	5.781	43	511581	8.665	ppbv		96
51) 2-Hexanone	7.461	43	412183	8.501	ppbv	#	94
52) Tetrachloroethene	8.244	164	168107	8.322	ppbv		96
53) Toluene	6.959	91	560665	9.286	ppbv		99
54) 1,2-Dibromoethane	7.678	107	277561	10.154	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.943	131	274135	10.722	ppbv		99
57) Chlorobenzene	8.940	112	456787	10.368	ppbv		97
58) Ethyl Benzene	9.374	91	815771	9.888	ppbv		99
59) m/p-Xylene	9.568	91	677509	10.284	ppbv	#	30
60) o-Xylene	9.982	91	679193	10.284	ppbv		98
61) Styrene	9.888	104	314809	9.635	ppbv		100
62) Isopropylbenzene	10.555	105	1013803	10.265	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.979	83	427404	10.651	ppbv		100
64) n-propylbenzene	11.005	120	265137	10.429	ppbv		99
65) tert-Butylbenzene	11.545	119	928989	10.171	ppbv		99
66) Benzyl Chloride	11.630	91	72224	7.452	ppbv		99
67) sec-Butylbenzene	11.782	105	1298645	10.229	ppbv		100
69) p-Isopropyltoluene	11.940	119	1128593	10.324	ppbv		99
70) n-Butylbenzene	12.296	91	1165845	10.428	ppbv		100
71) 2-Chlorotoluene	10.918	91	787527	10.274	ppbv		100
72) 4-Ethyltoluene	11.141	105	857021	10.422	ppbv		99
73) 1,3,5-Trimethylbenzene	11.219	105	735306	10.239	ppbv		100
74) 1,2,4-Trimethylbenzene	11.552	105	821957	9.935	ppbv		93
75) 1,3-Dichlorobenzene	11.623	146	485669	10.703	ppbv		99
76) 1,4-Dichlorobenzene	11.685	146	488661	10.821	ppbv		98
77) 1,2-Dichlorobenzene	11.963	146	480373	10.873	ppbv		99
78) Hexachloro-1,3-Butadiene	13.895	225	388827	8.646	ppbv		100
79) Naphthalene	13.526	128	956597	10.570	ppbv		99
80) Naphthalene,2-methyl-	14.471	142	462373	10.419	ppbv		98
81) 1,2,4-Trichlorobenzene	13.455	180	412677	9.886	ppbv		98

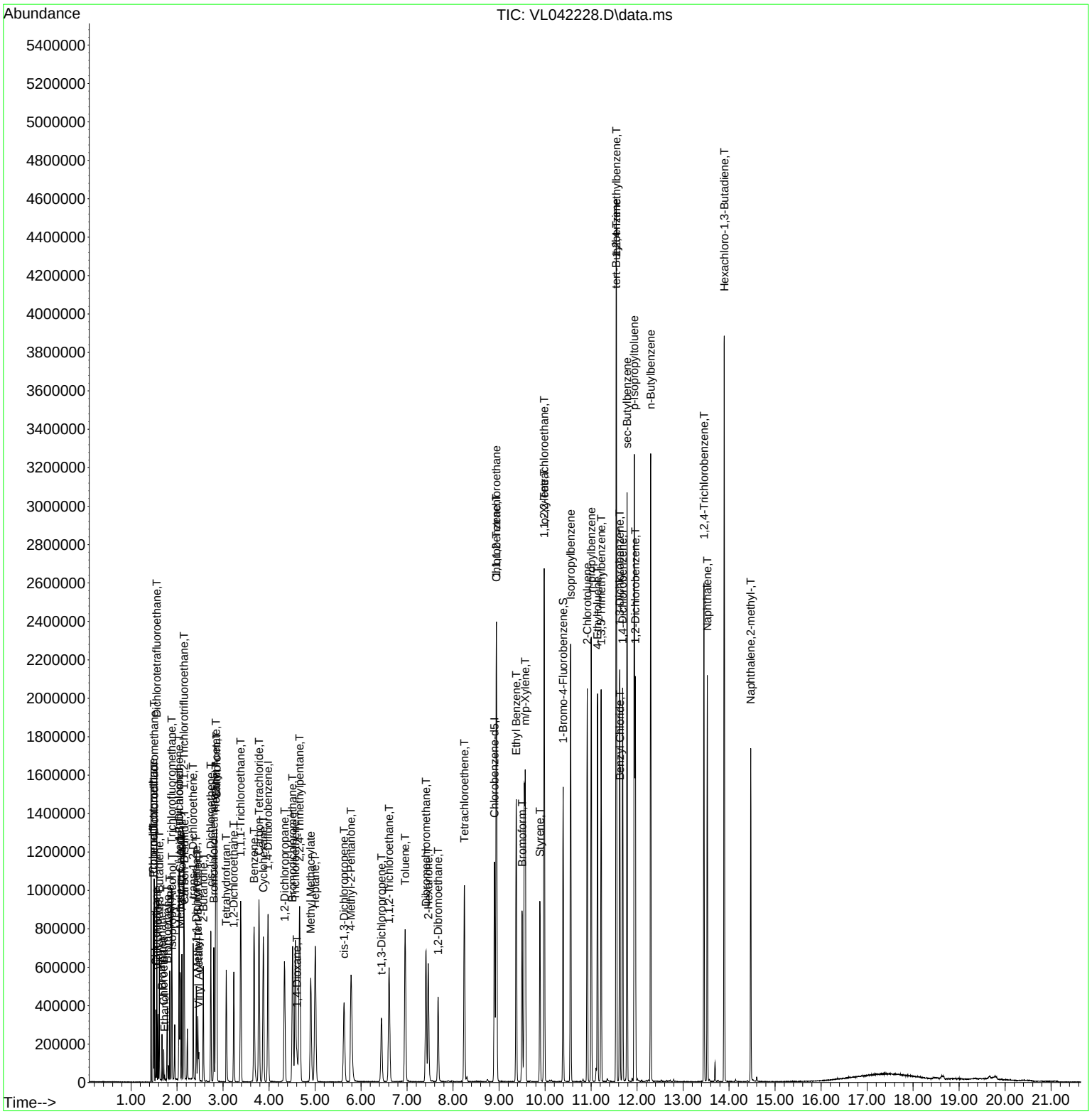
(#) = qualifier out of range (m) = manual integration (+) = signals summed

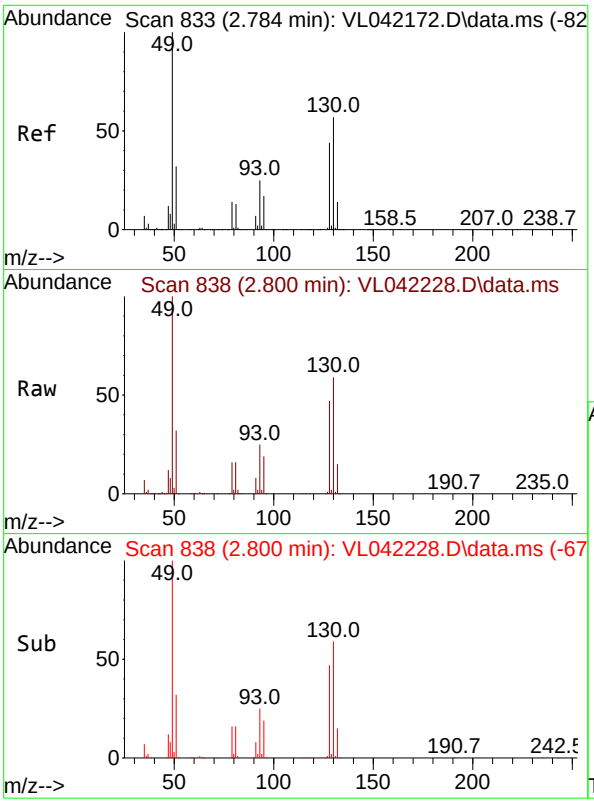
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042228.D
Acq On : 07 Apr 2025 09:31
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Apr 08 01:50:24 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



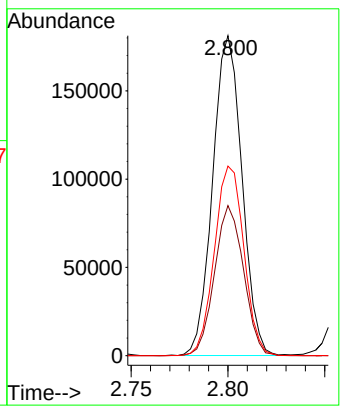


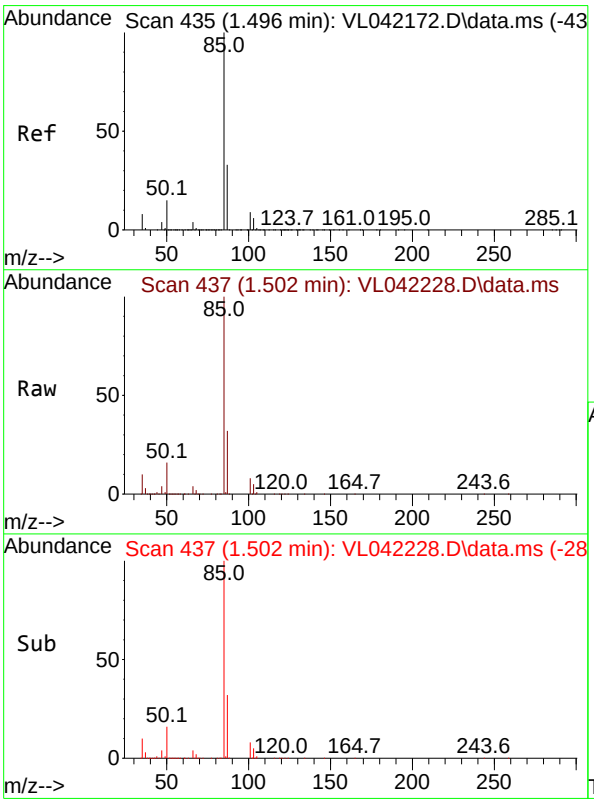
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 190462

Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.9	68.5
130	59.8	28.8	86.4

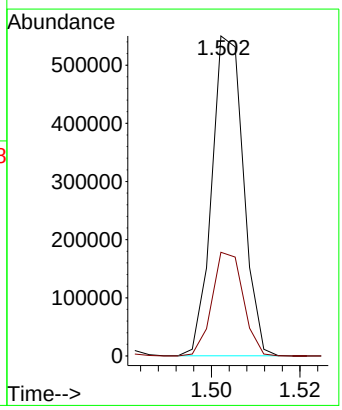


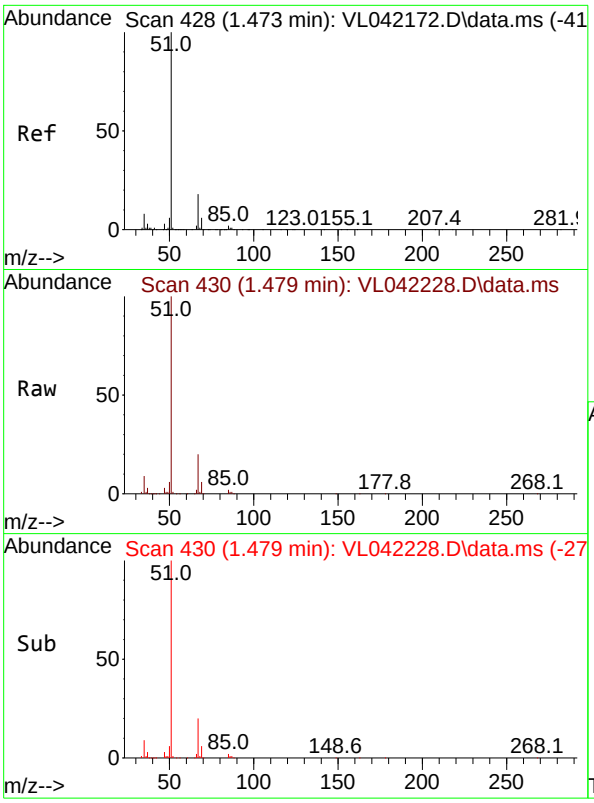


#2
Dichlorodifluoromethane
Concen: 9.718 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 85 Resp: 273290

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.1	39.1



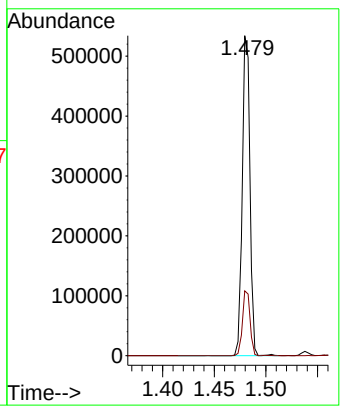


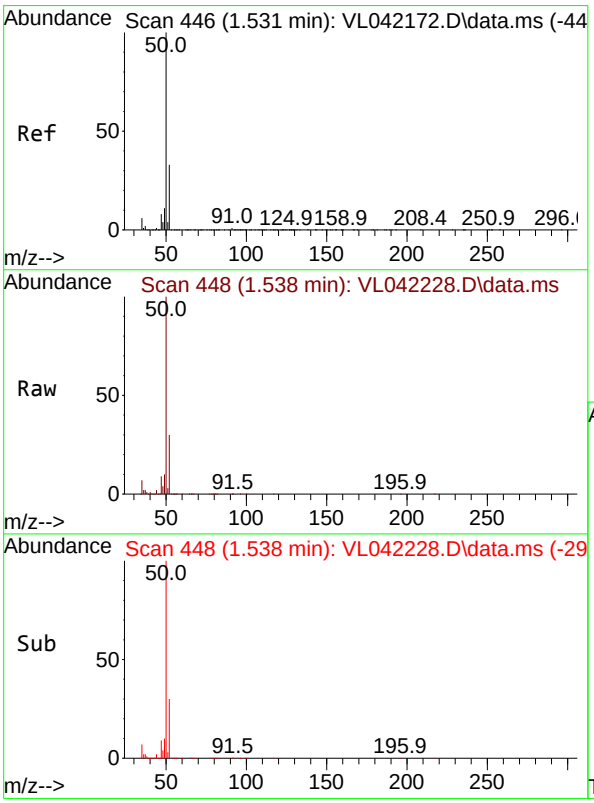
#3
Chlorodifluoromethane
Concen: 9.530 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 273791

Ion	Ratio	Lower	Upper
51	100		
67	20.2	15.0	22.6

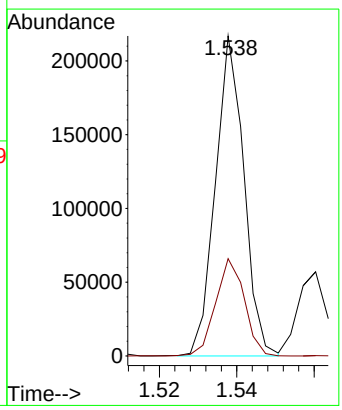


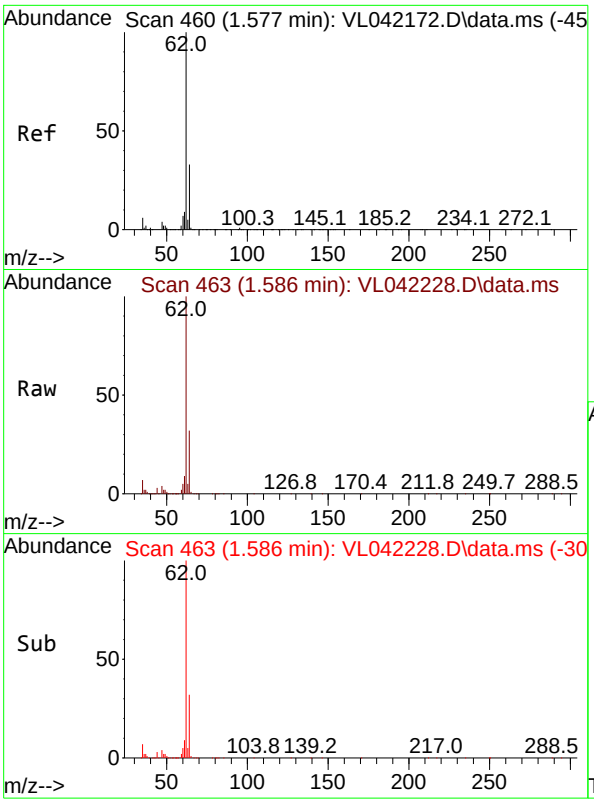


#4
Chloromethane
Concen: 9.649 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 50 Resp: 110890

Ion	Ratio	Lower	Upper
50	100		
52	30.4	26.1	39.1



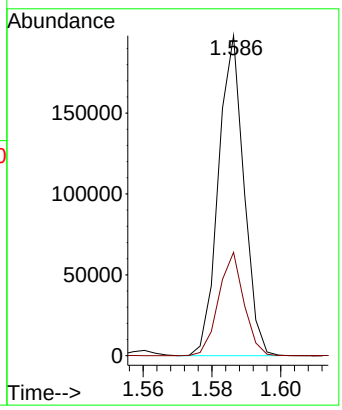


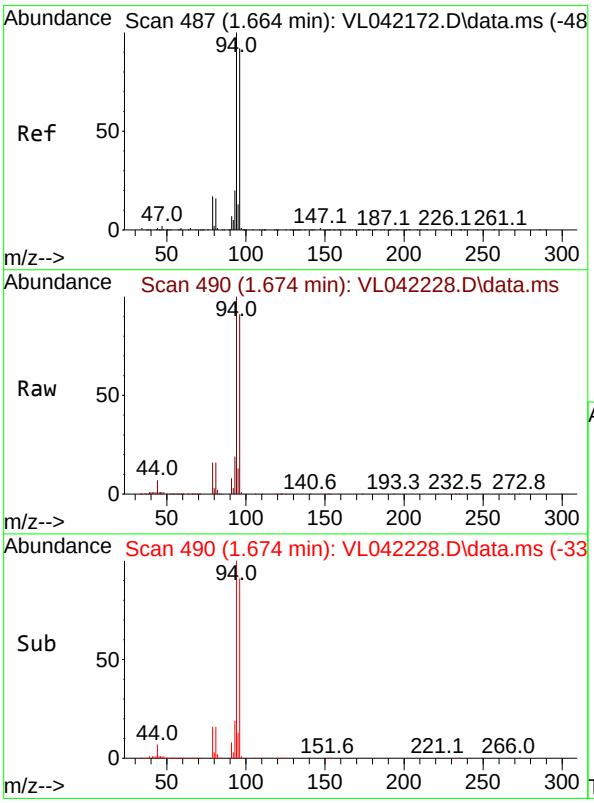
#5
Vinyl Chloride
Concen: 8.363 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 101851

Ion	Ratio	Lower	Upper
62	100		
64	32.3	26.6	40.0

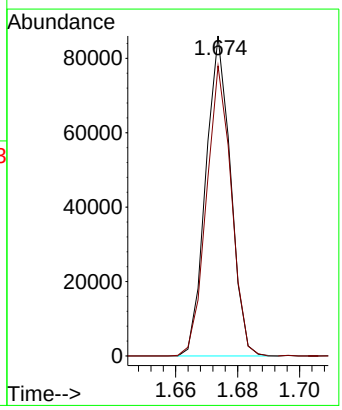


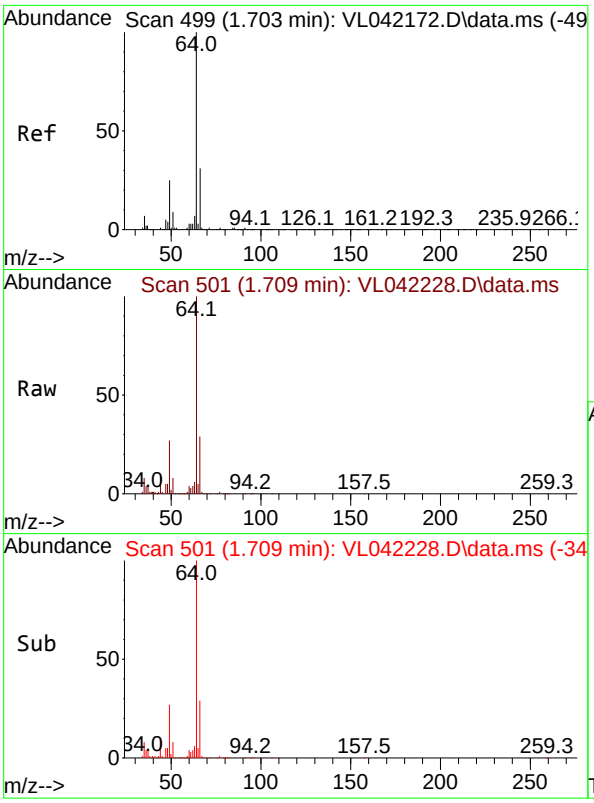


#6
Bromomethane
Concen: 9.162 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 94 Resp: 47719

Ion	Ratio	Lower	Upper
94	100		
96	90.6	73.1	109.7



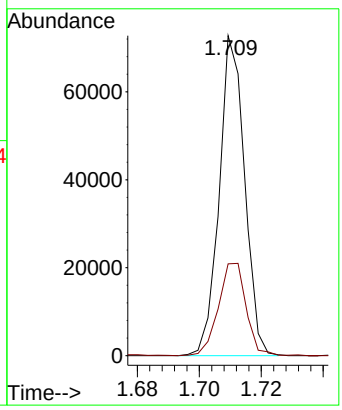


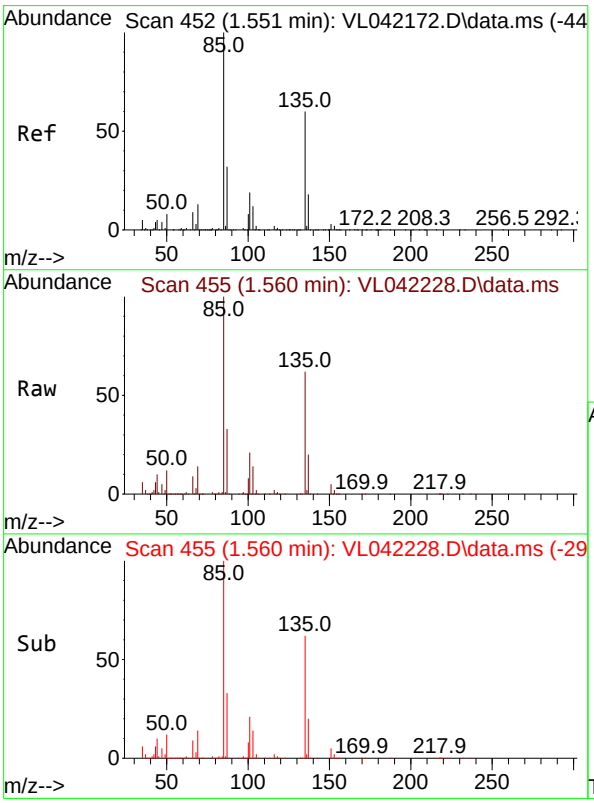
#7
Chloroethane
Concen: 8.972 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 41389

Ion	Ratio	Lower	Upper
64	100		
66	28.7	25.2	37.8

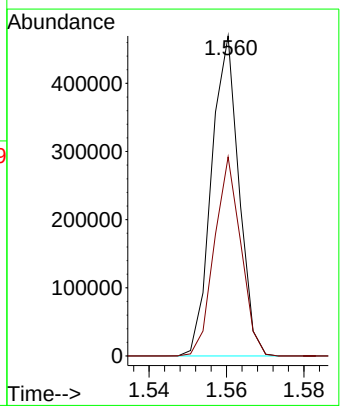


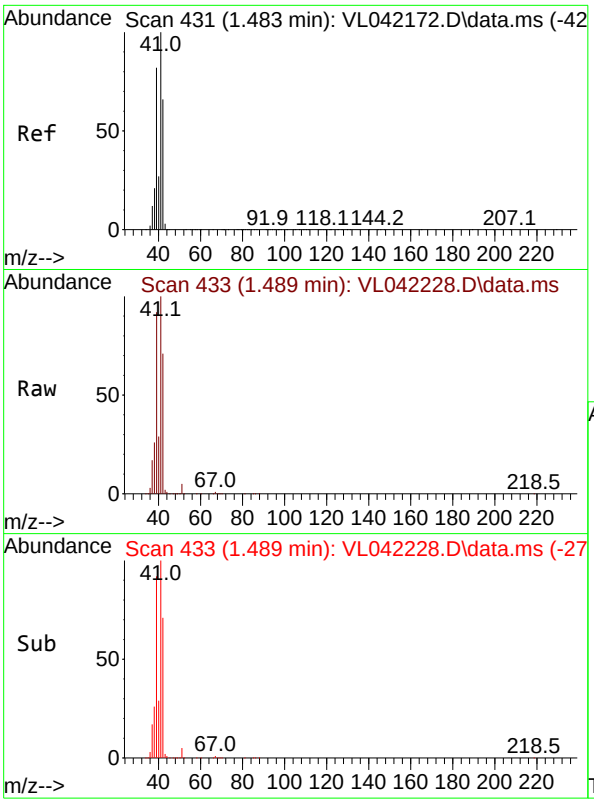


#8
Dichlorotetrafluoroethane
Concen: 9.627 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 85 Resp: 230557

Ion	Ratio	Lower	Upper
85	100		
135	60.4	52.4	78.6



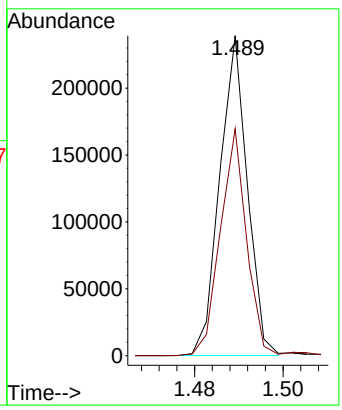


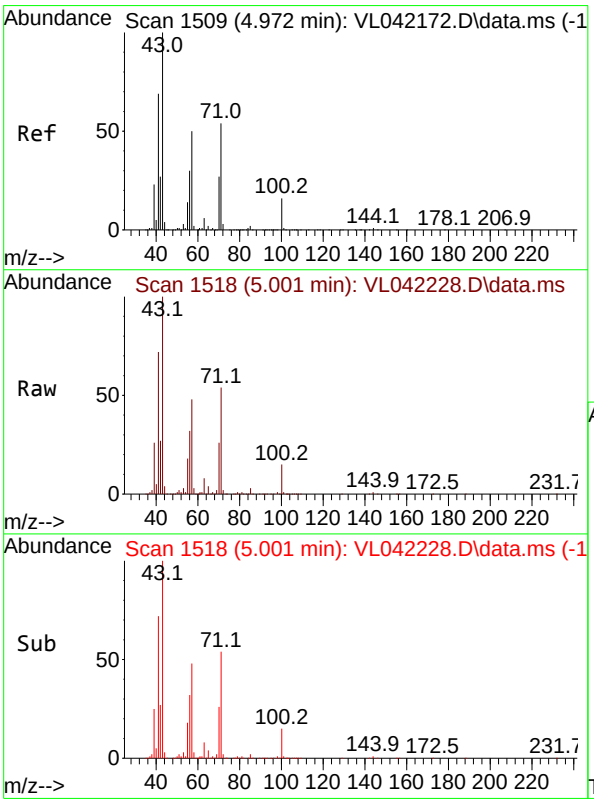
#9
Propene
Concen: 7.852 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 103393

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.4	83.2

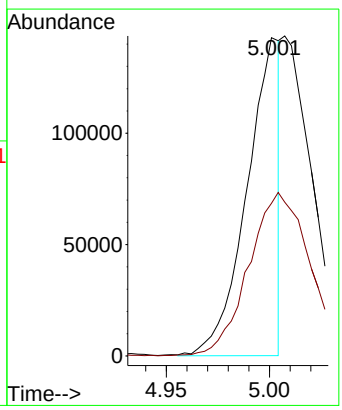


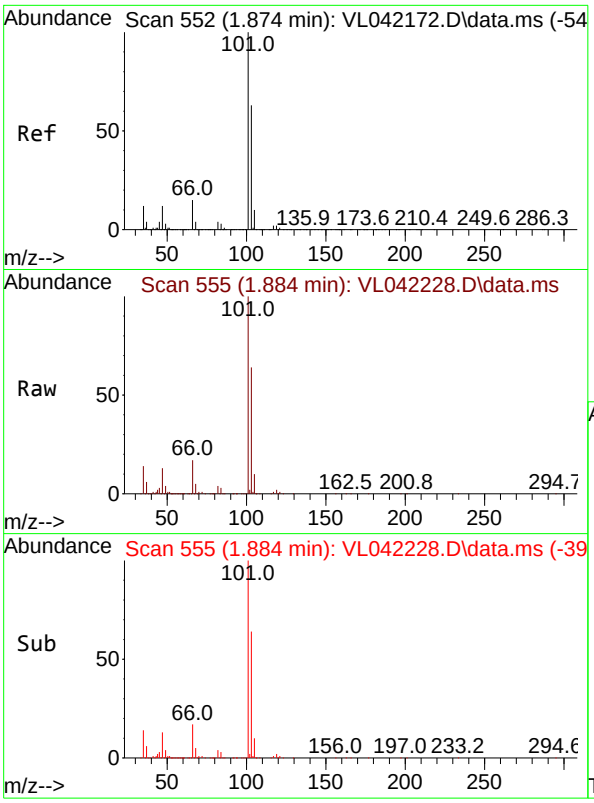


#10
Heptane
Concen: 4.523 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 158430

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2#



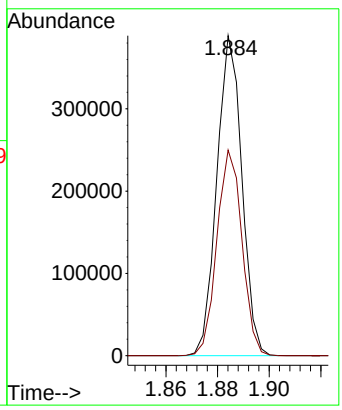


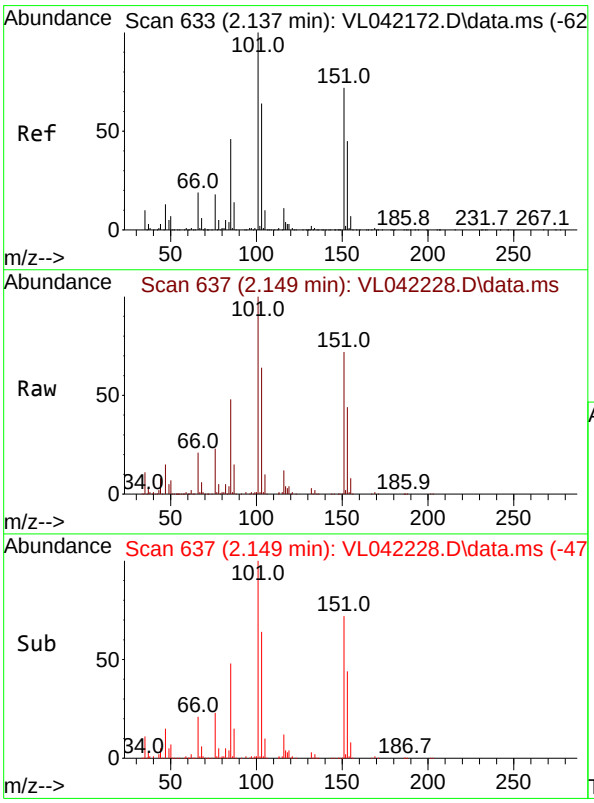
#11
Trichlorofluoromethane
Concen: 9.563 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 261667

Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.2	75.2

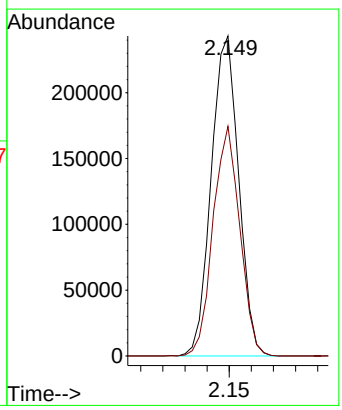


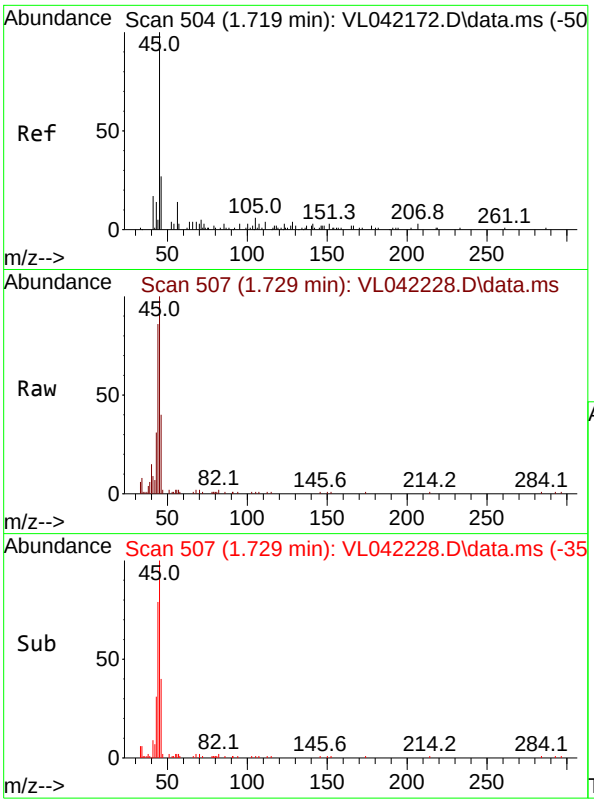


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.331 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:101 Resp: 209865

Ion	Ratio	Lower	Upper
101	100		
151	69.9	57.1	85.7



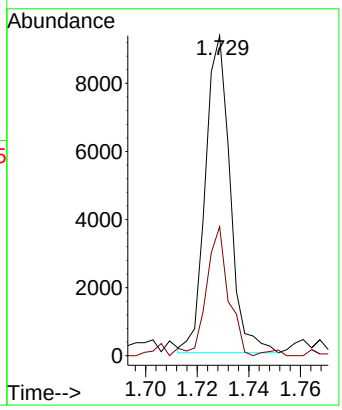


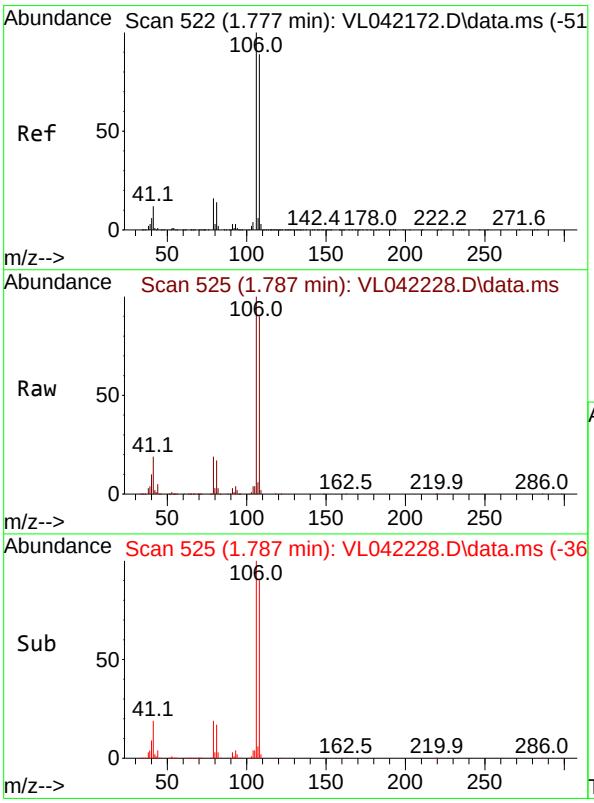
#13
Ethanol
Concen: 4.979 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 6198

Ion	Ratio	Lower	Upper
45	100		
46	39.4	20.2	80.8

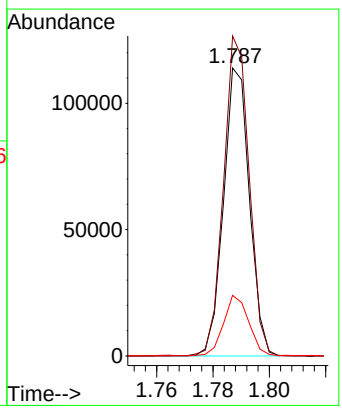


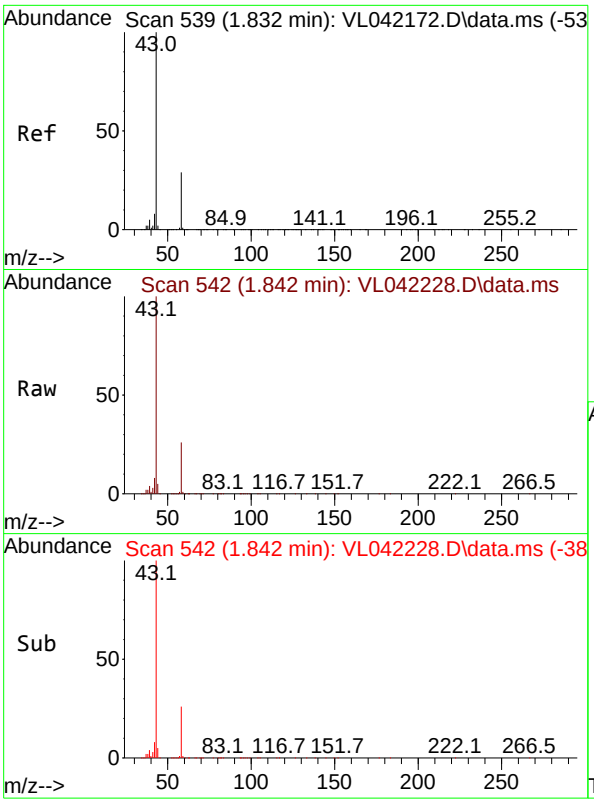


#14
Bromoethene
Concen: 8.465 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:108 Resp: 72937

Ion	Ratio	Lower	Upper
108	100		
106	109.6	86.8	130.2
79	20.9	15.0	22.6



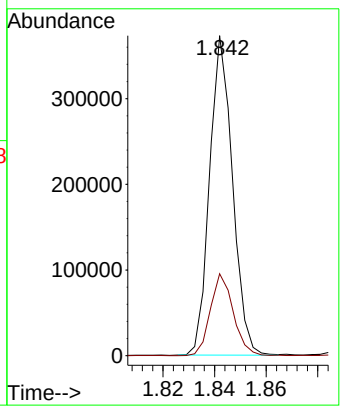


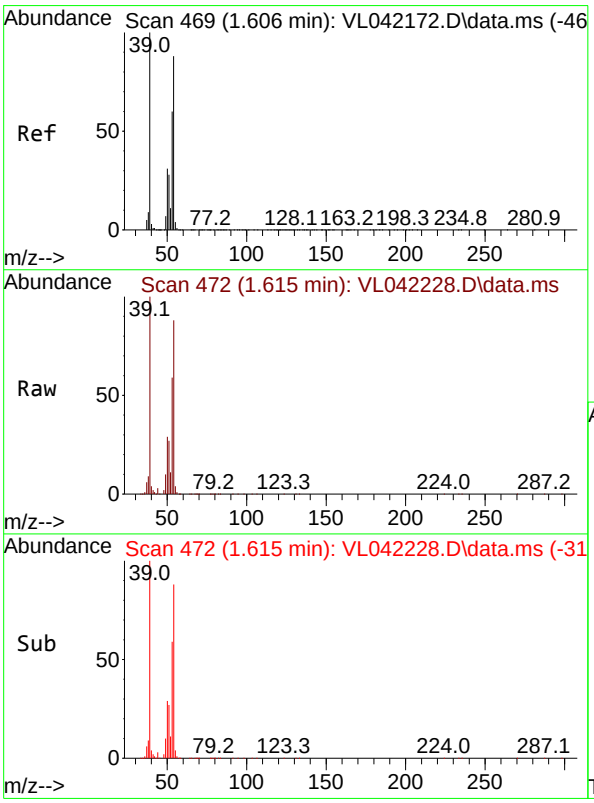
#15
Acetone
Concen: 8.621 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 229629

Ion	Ratio	Lower	Upper
43	100		
58	25.9	23.2	34.8

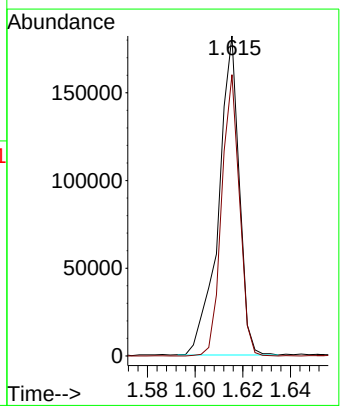


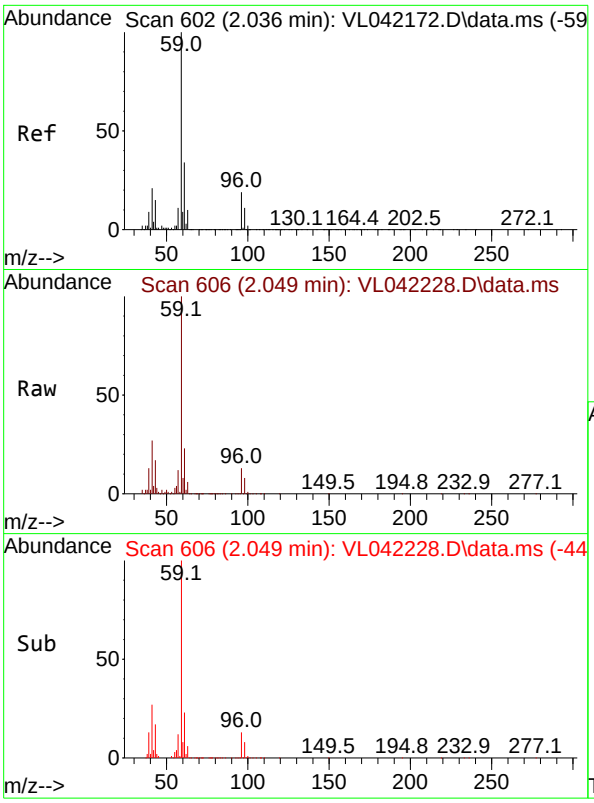


#16
1,3-Butadiene
Concen: 8.419 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 39 Resp: 109521

Ion	Ratio	Lower	Upper
39	100		
54	75.8	60.7	91.1



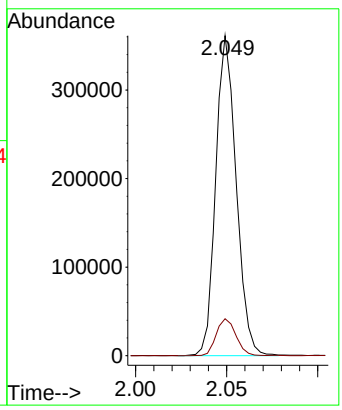


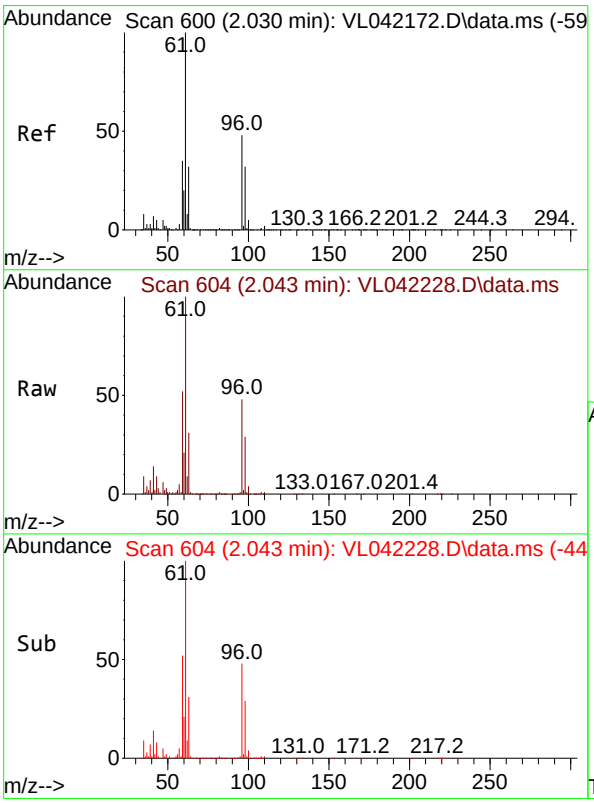
#17
tert-Butyl alcohol
Concen: 8.492 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 281754

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.9	13.3

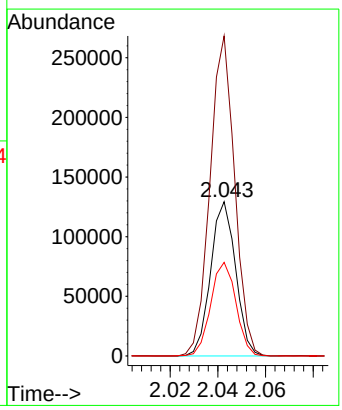


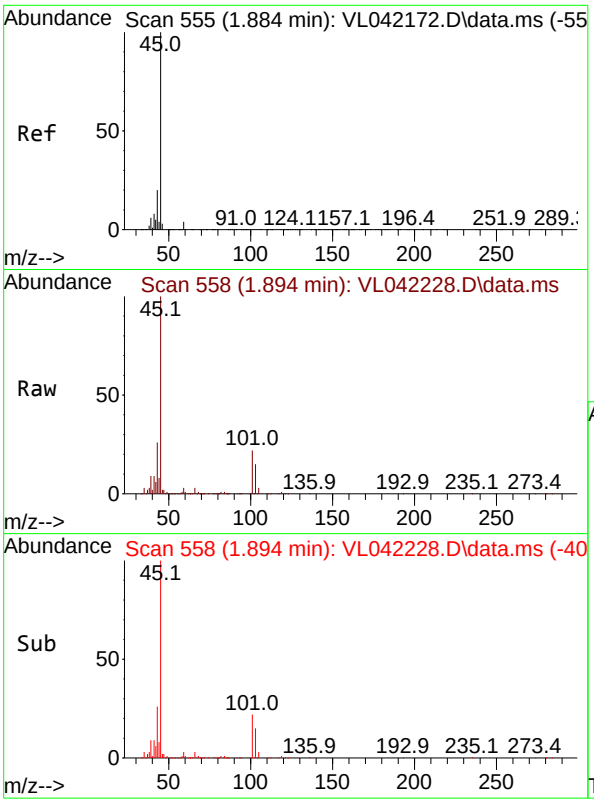


#18
1,1-Dichloroethene
Concen: 8.960 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 96 Resp: 94213

Ion	Ratio	Lower	Upper
96	100		
61	207.3	167.6	251.4
98	60.7	53.5	80.3



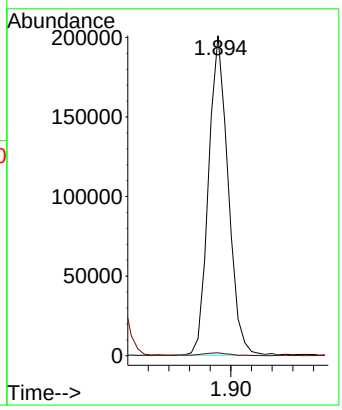


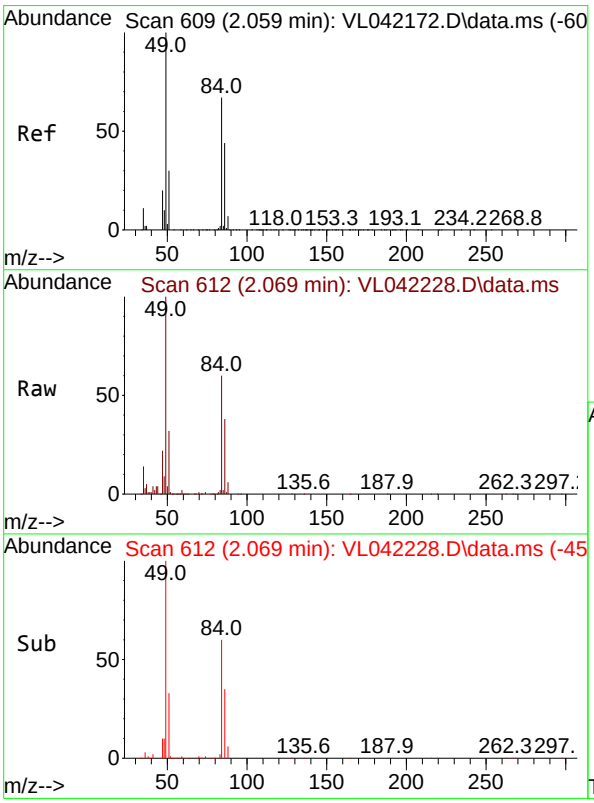
#19
Isopropyl Alcohol
Concen: 8.793 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 132147

Ion	Ratio	Lower	Upper
45	100		
58	45.1	36.9	55.3

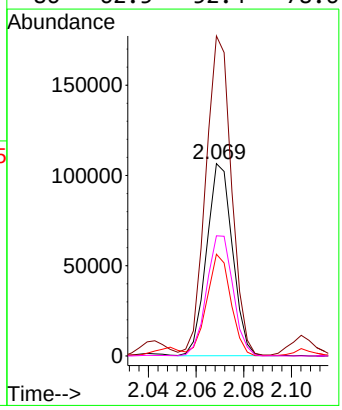


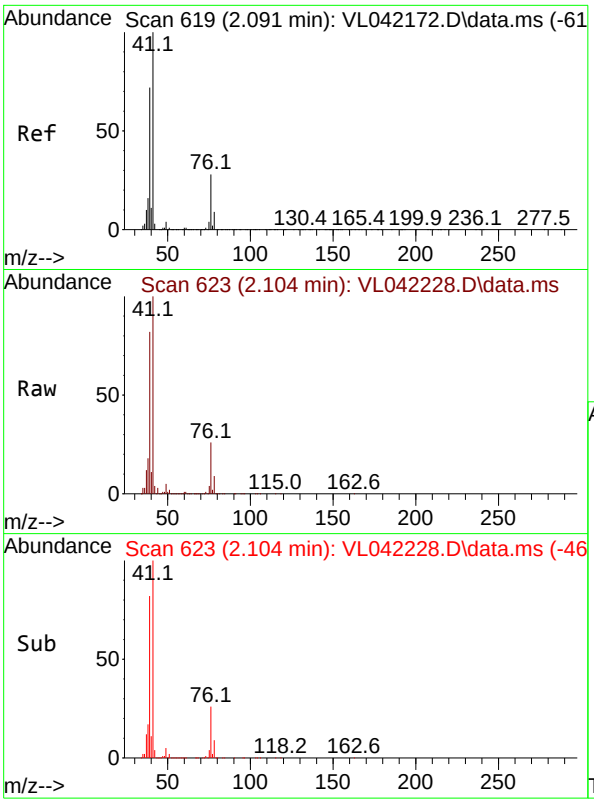


#20
Methylene Chloride
Concen: 8.103 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.010 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 84 Resp: 80384

Ion	Ratio	Lower	Upper
84	100		
49	165.1	120.2	180.4
51	52.7	37.4	56.0
86	62.5	52.4	78.6



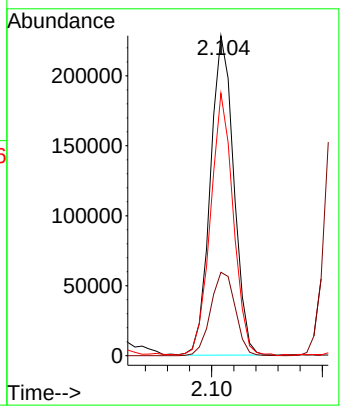


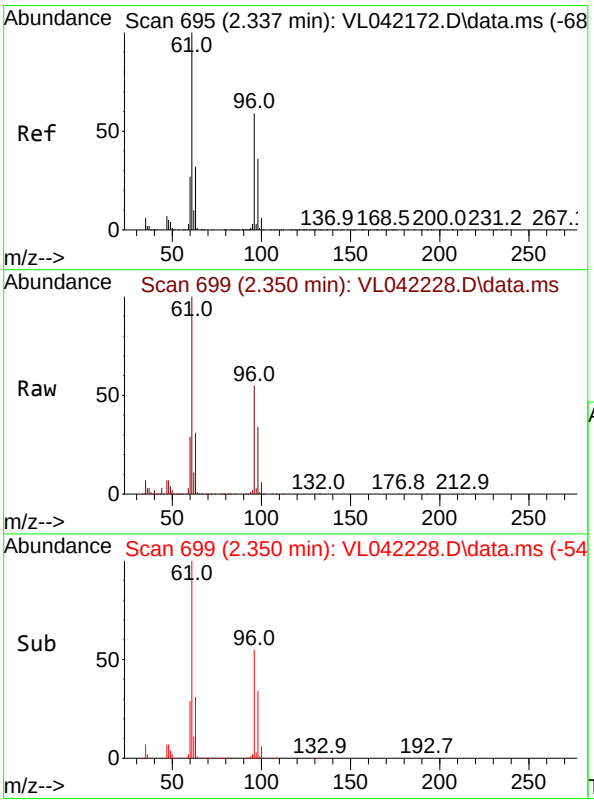
#21
Allyl Chloride
Concen: 8.938 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 167907

Ion	Ratio	Lower	Upper
41	100		
76	27.5	24.1	36.1
39	79.2	61.1	91.7

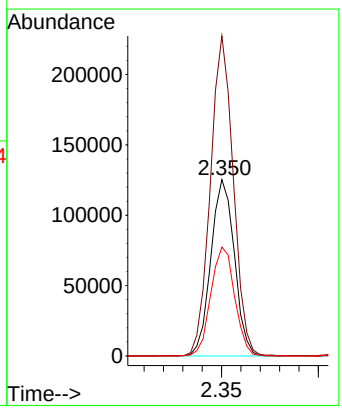


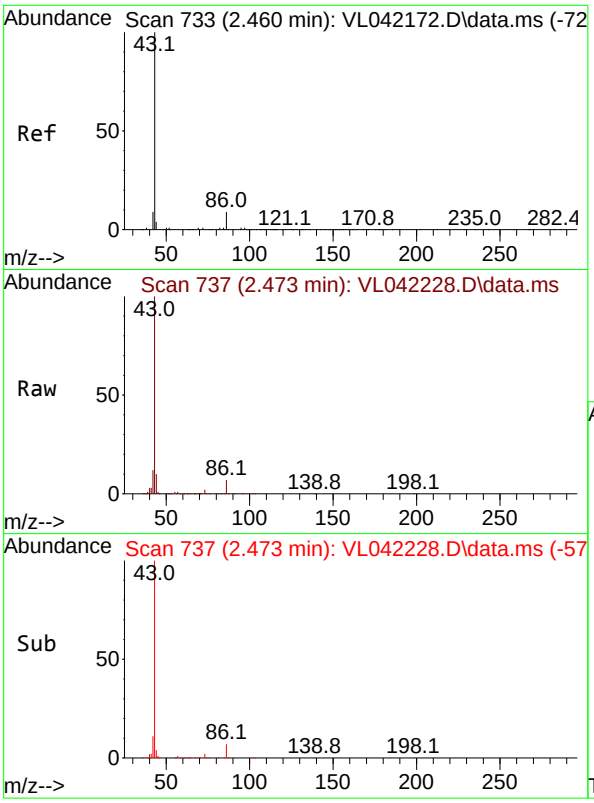


#22
trans-1,2-Dichloroethene
Concen: 8.705 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 96 Resp: 105790

Ion	Ratio	Lower	Upper
96	100		
61	181.4	136.6	204.8
98	61.7	49.4	74.2



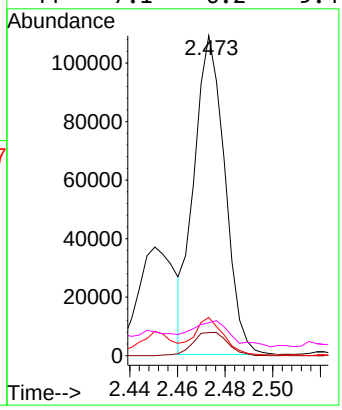


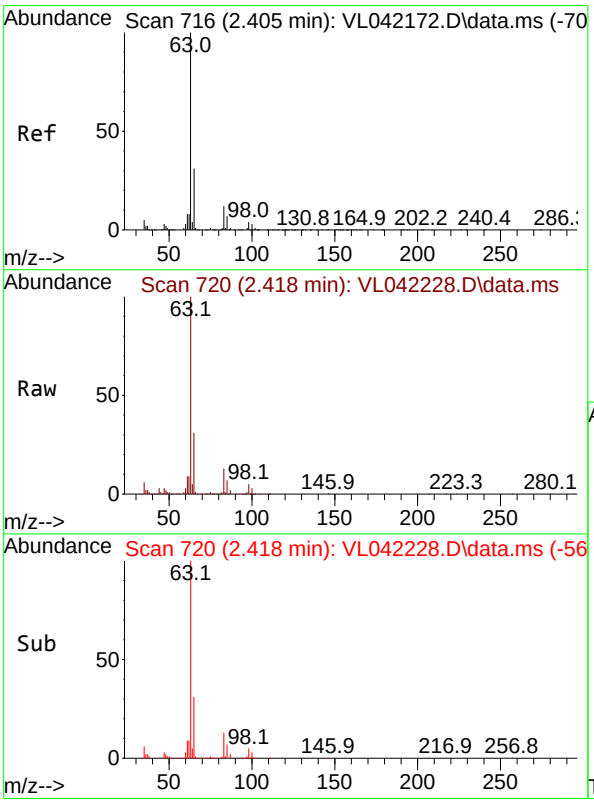
#23
Vinyl Acetate
Concen: 8.497 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 97959

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	11.7	8.6	13.0
44	7.1	6.2	9.4

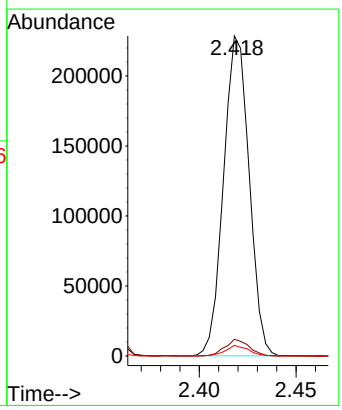


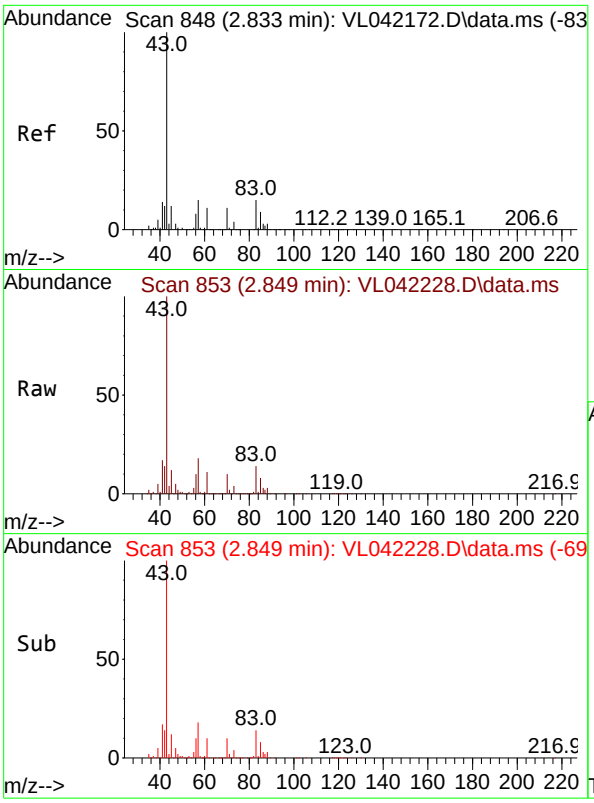


#24
1,1-Dichloroethane
Concen: 9.328 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 63 Resp: 210138

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.3	6.8
100	3.3	1.6	4.7



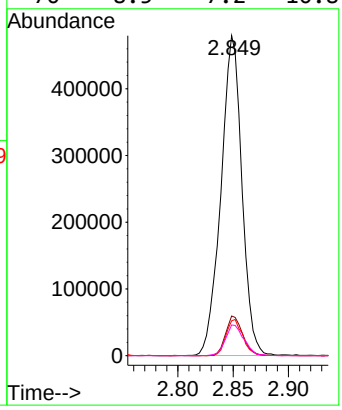


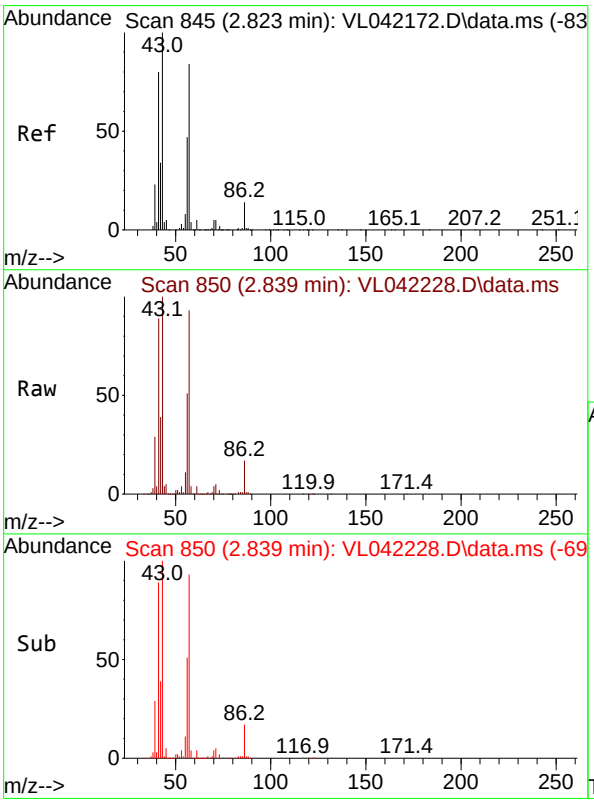
#25
Ethyl Acetate
Concen: 9.143 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 632090

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.1	7.3	10.9
70	8.5	7.2	10.8

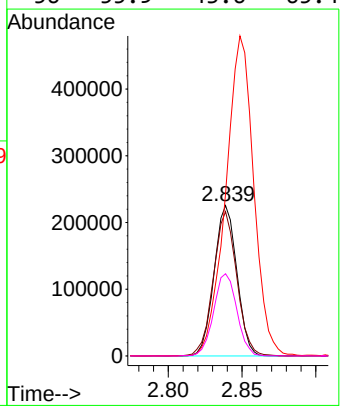


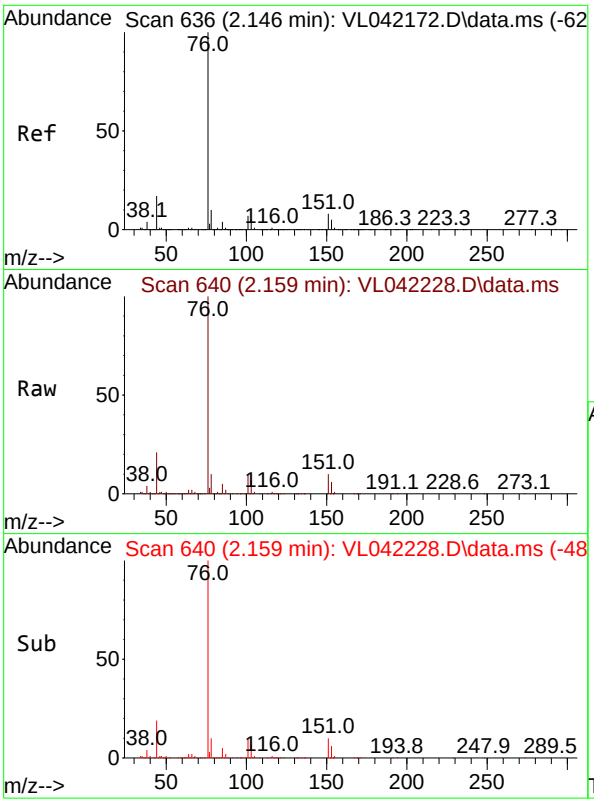


#26
Hexane
Concen: 9.046 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 57 Resp: 241568

Ion	Ratio	Lower	Upper
57	100		
41	98.7	76.6	114.8
43	263.3	207.8	311.8
56	55.9	43.6	65.4



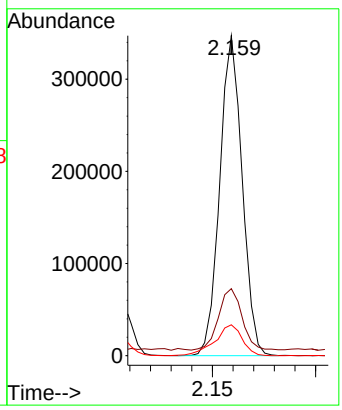


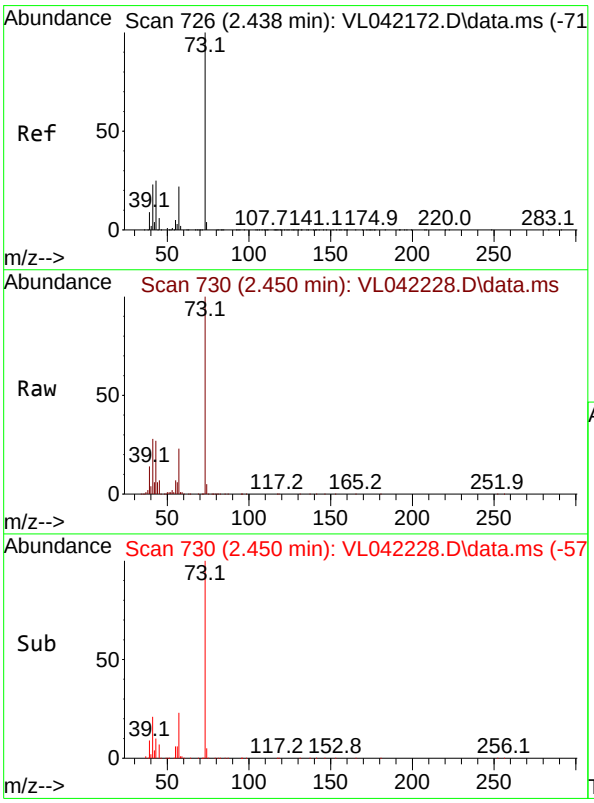
#27
Carbon Disulfide
Concen: 9.155 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 262150

Ion	Ratio	Lower	Upper
76	100		
44	21.2	14.7	22.1
78	11.8	9.3	13.9

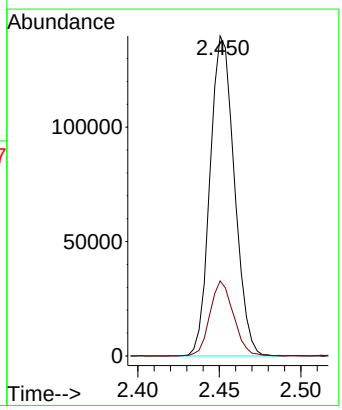


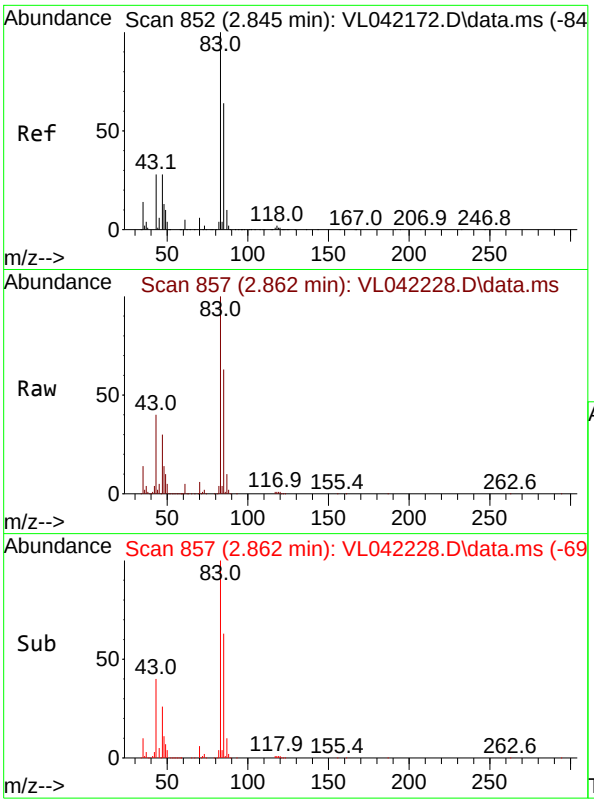


#28
Methyl tert-Butyl Ether
Concen: 8.740 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.013 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 73 Resp: 145310

Ion	Ratio	Lower	Upper
73	100		
57	22.7	20.5	30.7



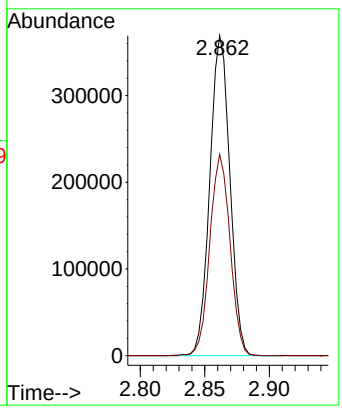


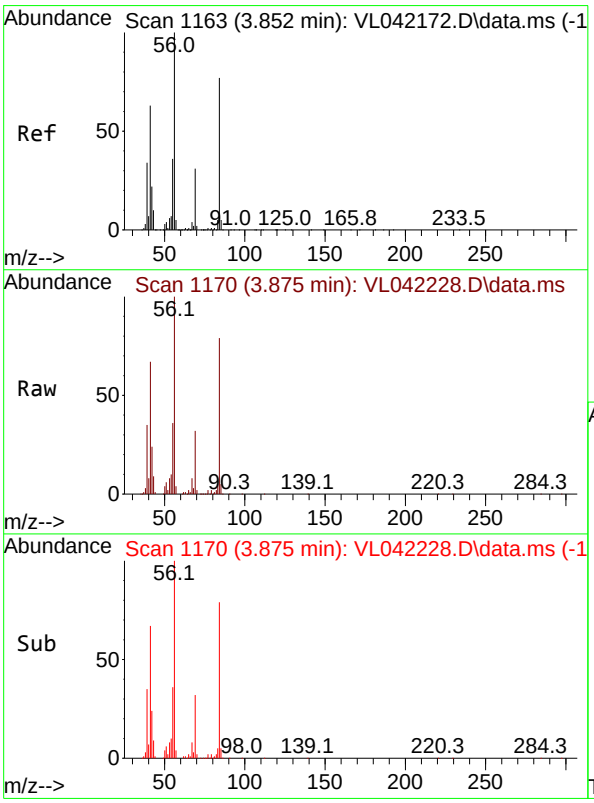
#29
Chloroform
Concen: 10.178 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 397772

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.2

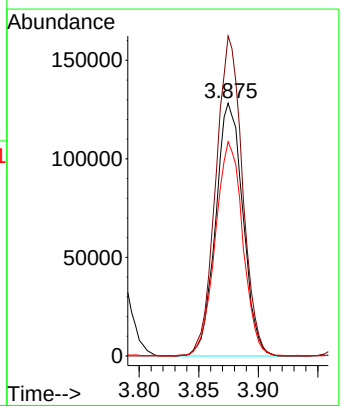


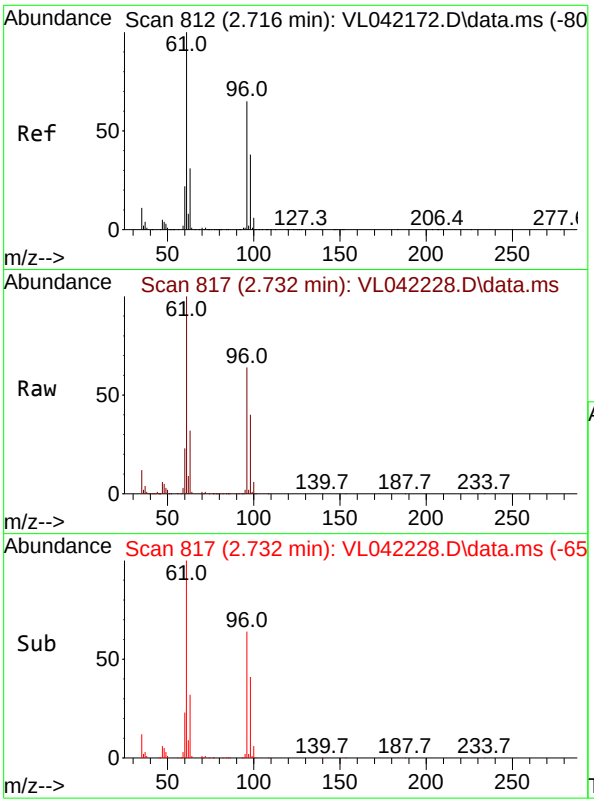


#30
Cyclohexane
Concen: 8.816 ppbv
RT: 3.875 min Scan# 1170
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 84 Resp: 204416

Ion	Ratio	Lower	Upper
84	100		
56	123.0	102.8	154.2
41	85.6	66.5	99.7



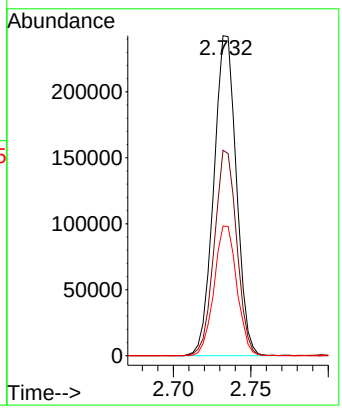


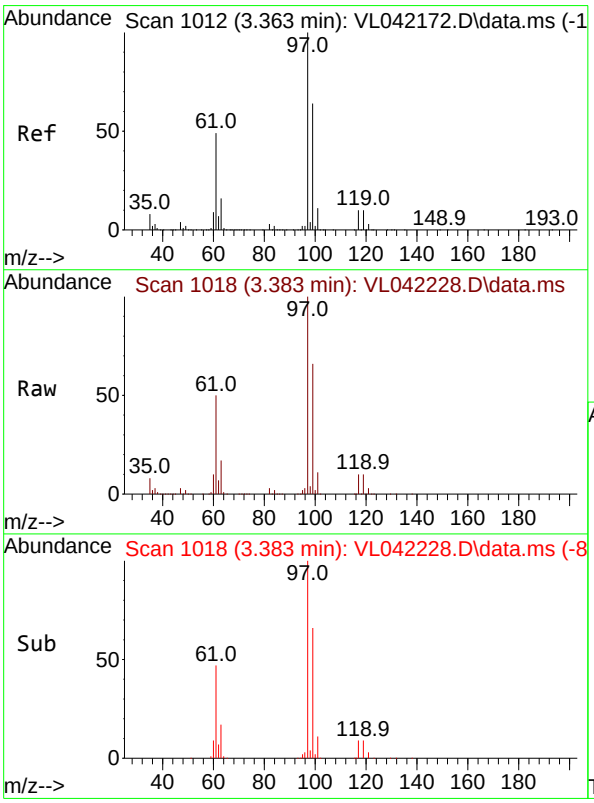
#31
cis-1,2-Dichloroethene
Concen: 9.085 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 246306

Ion	Ratio	Lower	Upper
61	100		
96	64.2	51.8	77.8
98	40.5	30.6	46.0

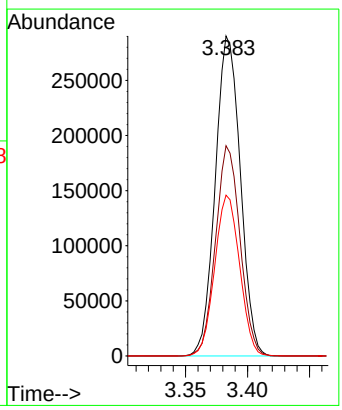


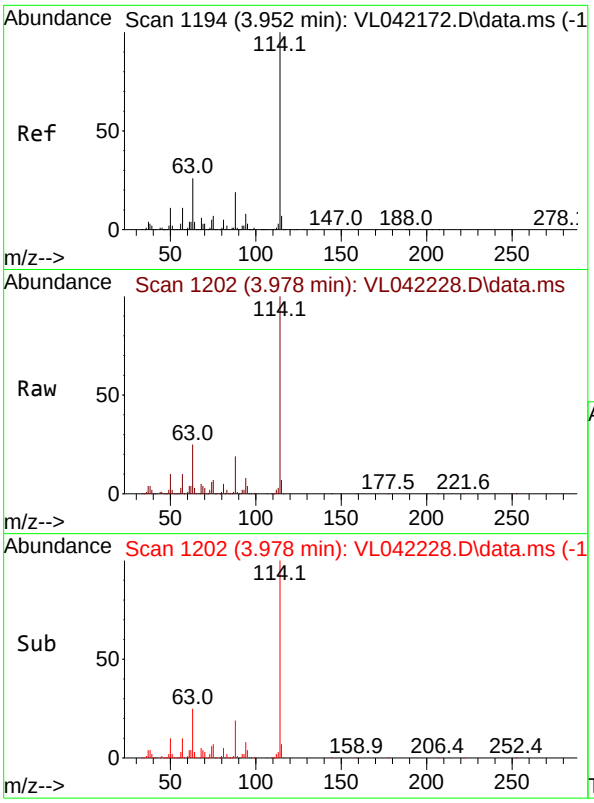


#32
1,1,1-Trichloroethane
Concen: 9.162 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 97 Resp: 409916

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	50.0	38.7	58.1



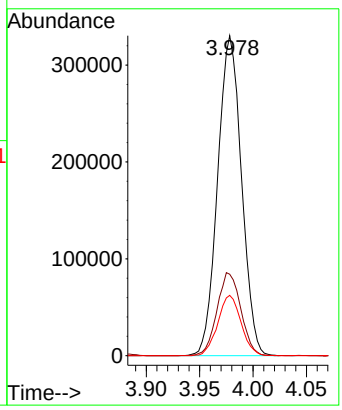


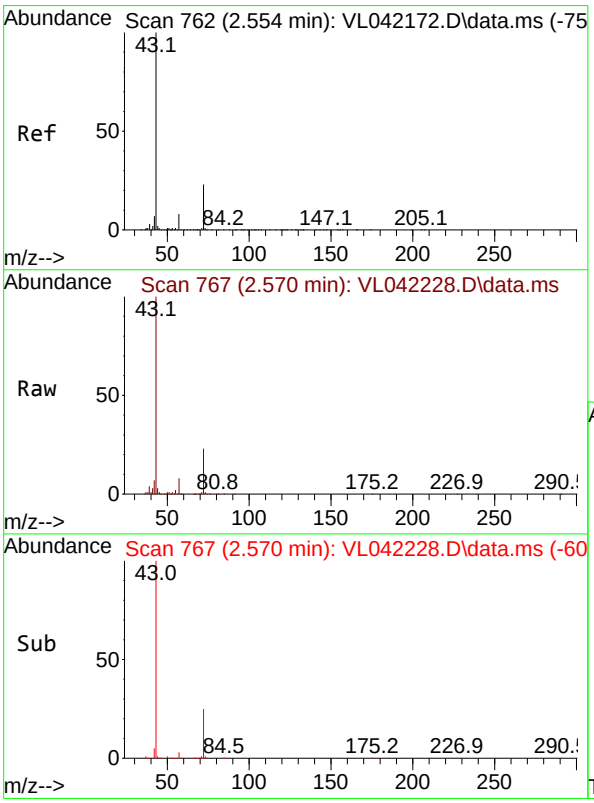
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 513778

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.4	15.0	22.4

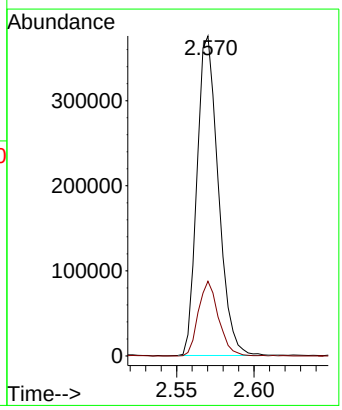


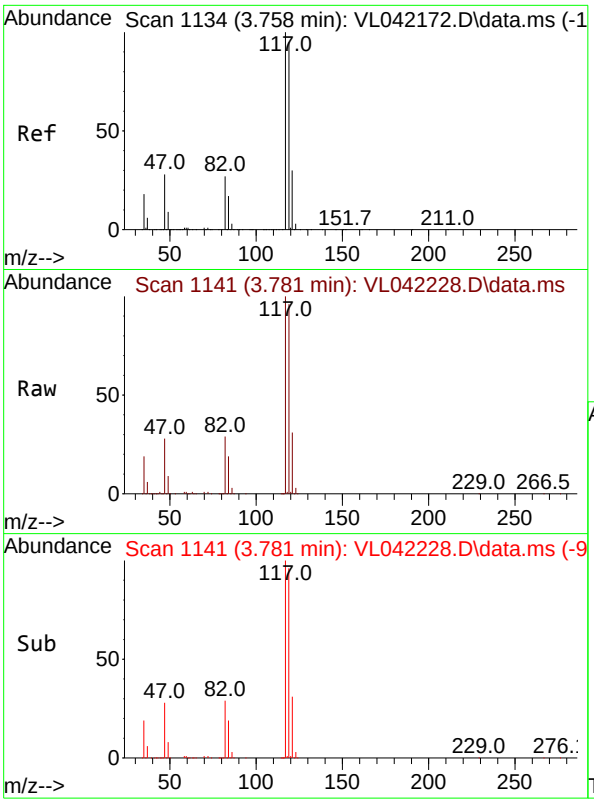


#34
2-Butanone
Concen: 9.632 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 358832

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.2	27.2



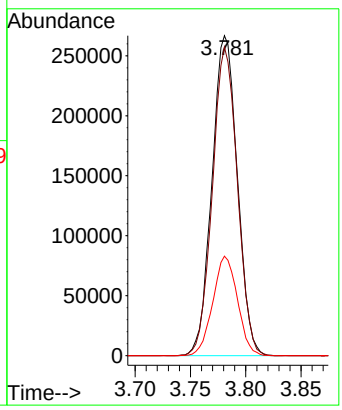


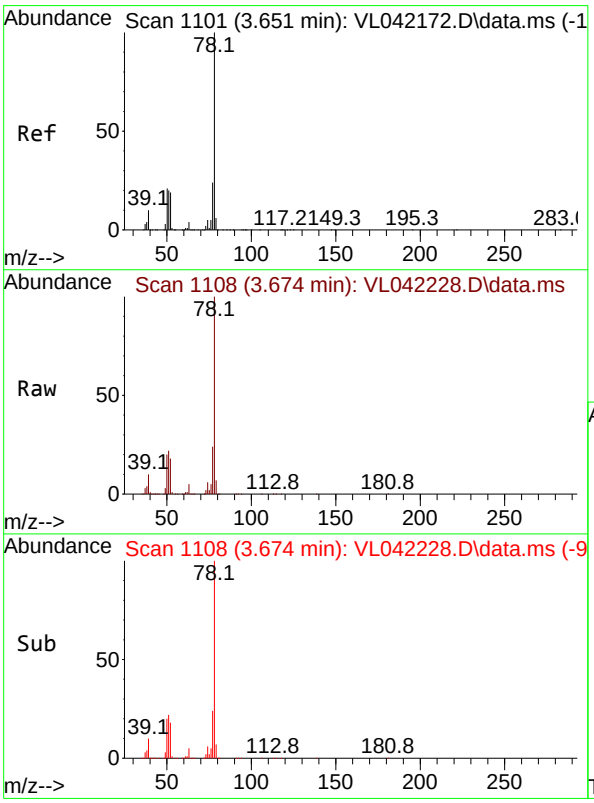
#35
Carbon Tetrachloride
Concen: 10.613 ppbv
RT: 3.781 min Scan# 11
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 425964

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.2
121	31.1	24.2	36.4

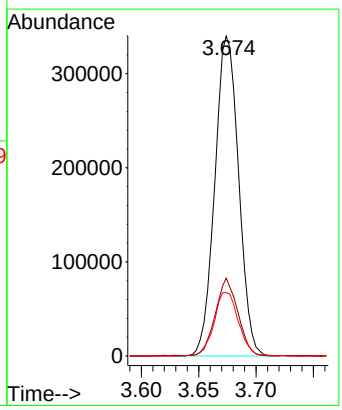


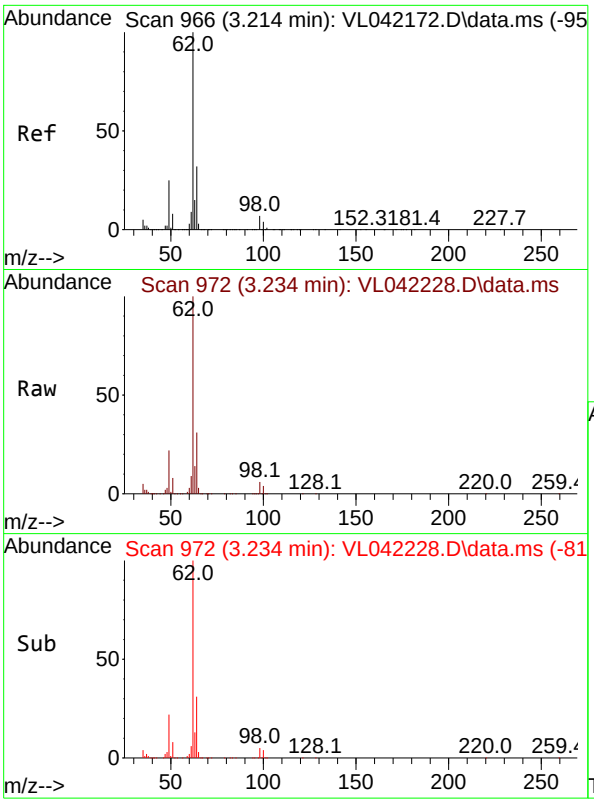


#36
Benzene
Concen: 9.636 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 78 Resp: 490813

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7
50	19.8	16.6	24.8



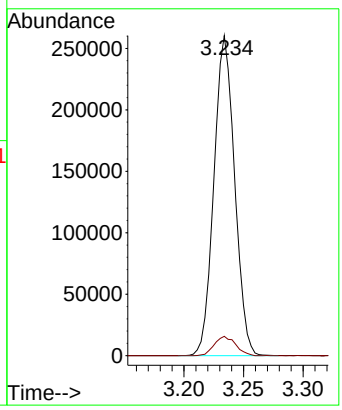


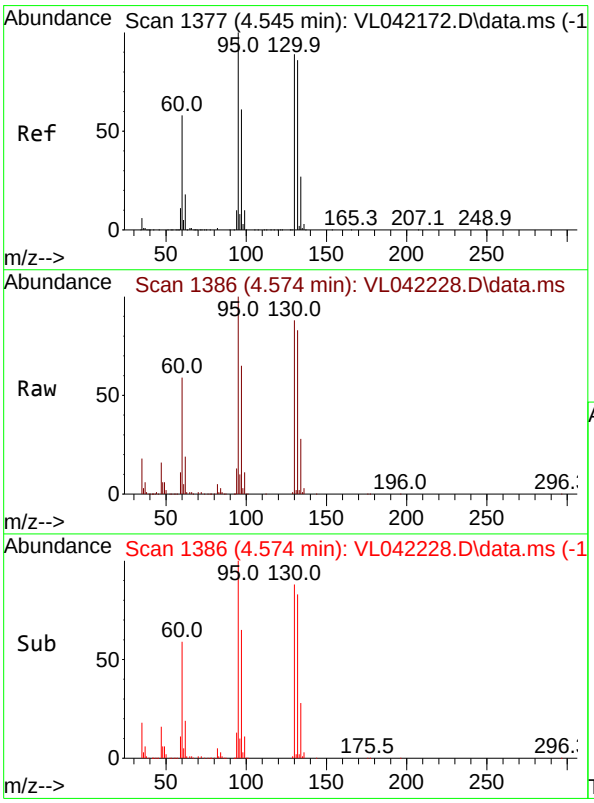
#37
1,2-Dichloroethane
Concen: 10.772 ppbv
RT: 3.234 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 314121

Ion	Ratio	Lower	Upper
62	100		
98	6.2	5.4	8.2

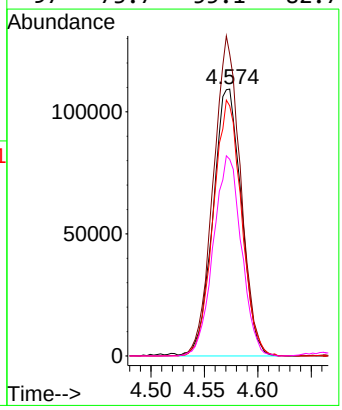


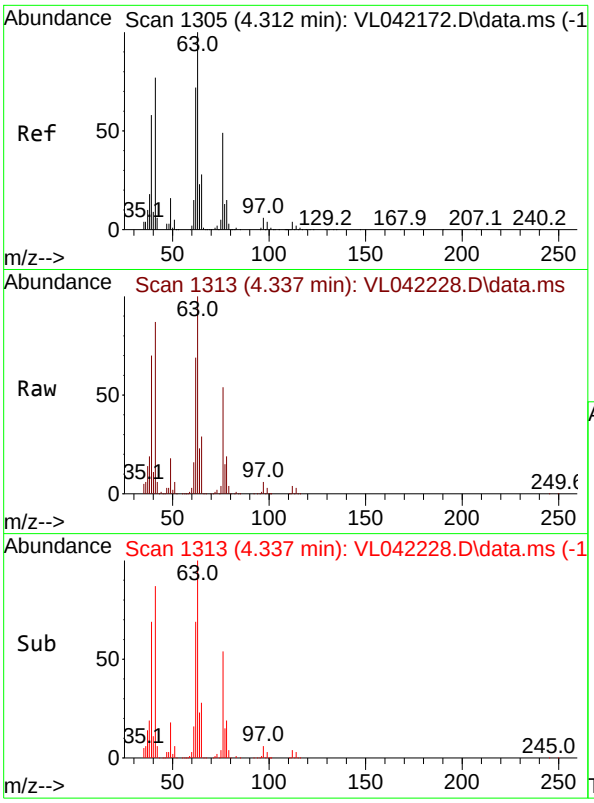


#38
Trichloroethene
Concen: 9.512 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:130 Resp: 202154

Ion	Ratio	Lower	Upper
130	100		
95	113.0	89.8	134.8
132	93.7	77.4	116.2
97	73.7	55.1	82.7



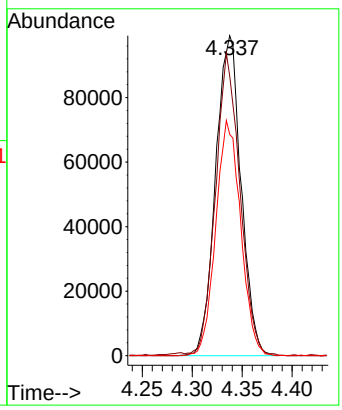


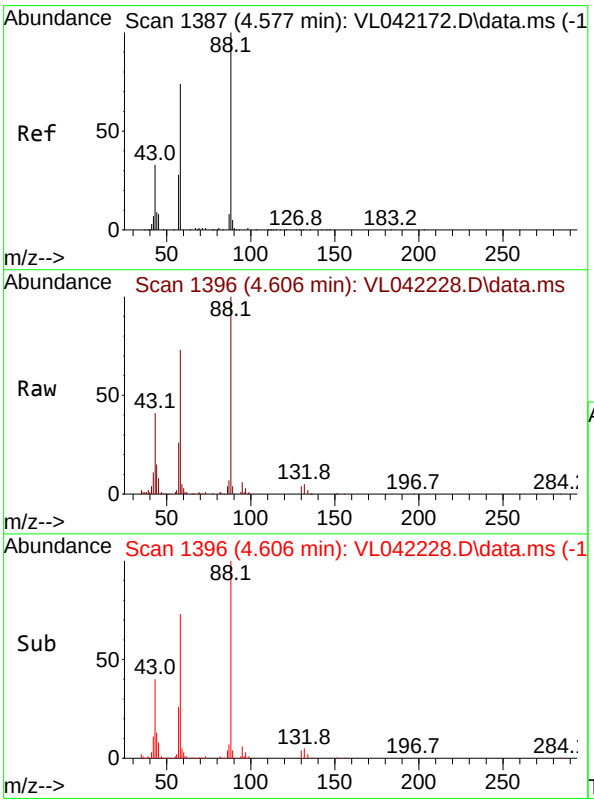
#39
1,2-Dichloropropane
Concen: 9.472 ppbv
RT: 4.337 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 175704

Ion	Ratio	Lower	Upper
63	100		
41	87.2	61.7	92.5
62	69.1	57.6	86.4

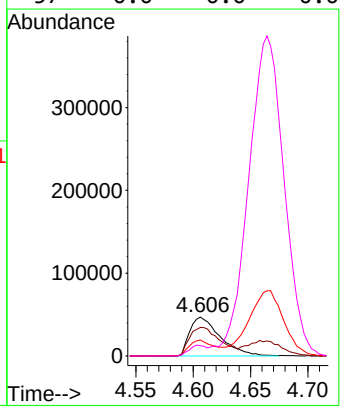


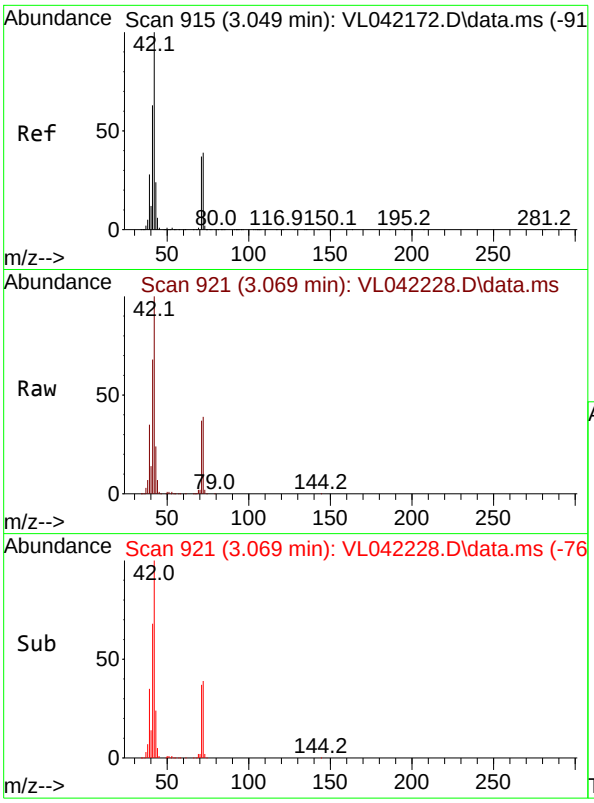


#40
1,4-Dioxane
Concen: 8.803 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 88 Resp: 86664

Ion	Ratio	Lower	Upper
88	100		
58	74.4	62.7	94.1
43	37.1	23.0	34.4#
57	0.0	0.0	0.0



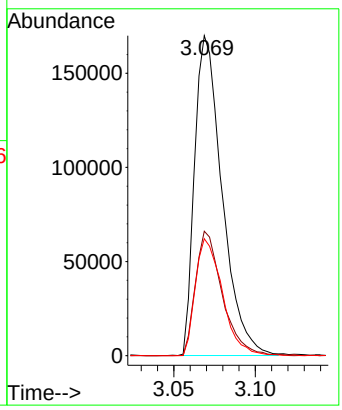


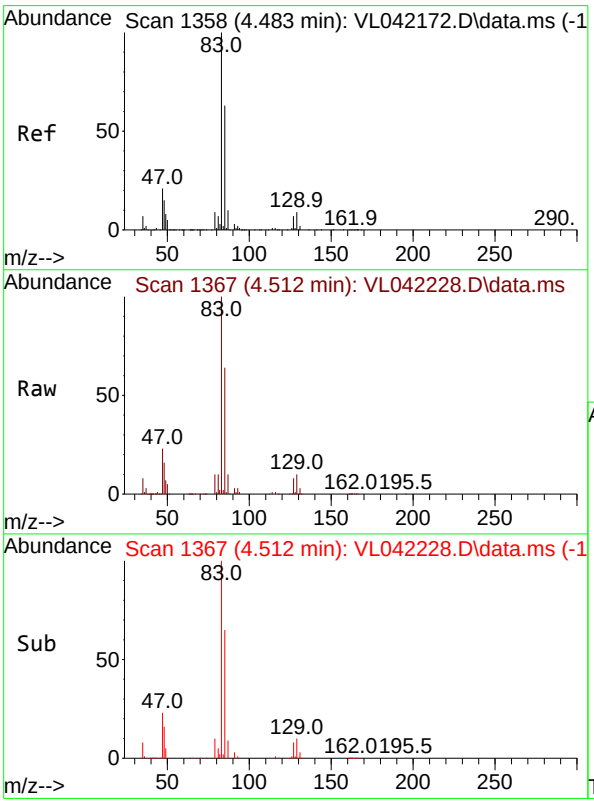
#41
Tetrahydrofuran
Concen: 9.290 ppbv
RT: 3.069 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 199313

Ion	Ratio	Lower	Upper
42	100		
72	38.0	31.4	47.0
71	36.1	30.2	45.4

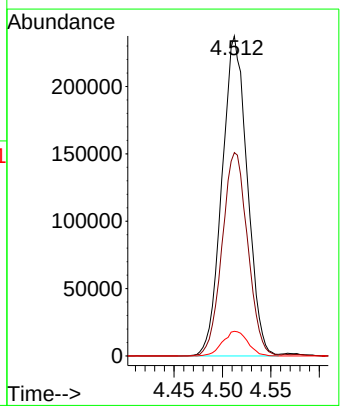


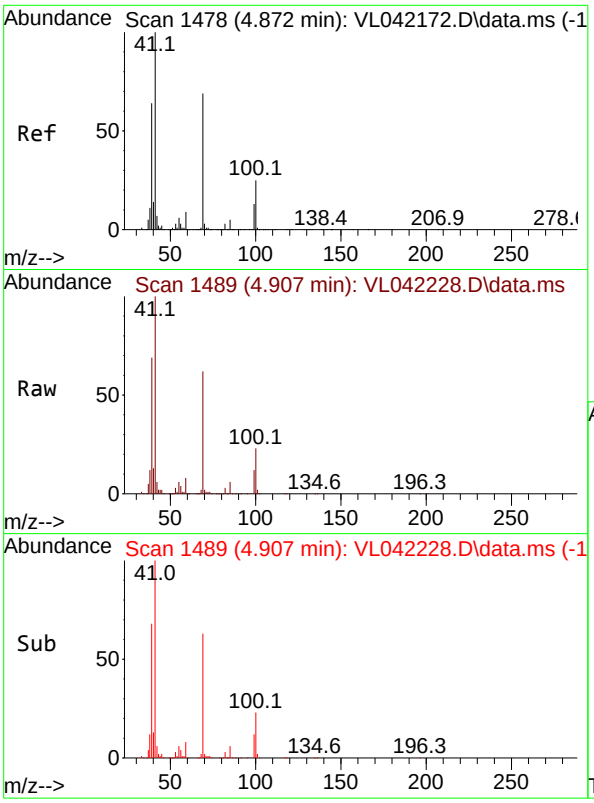


#42
Bromodichloromethane
Concen: 10.721 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 83 Resp: 430997

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	7.7	5.9	8.9



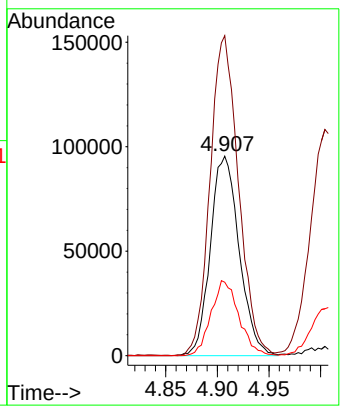


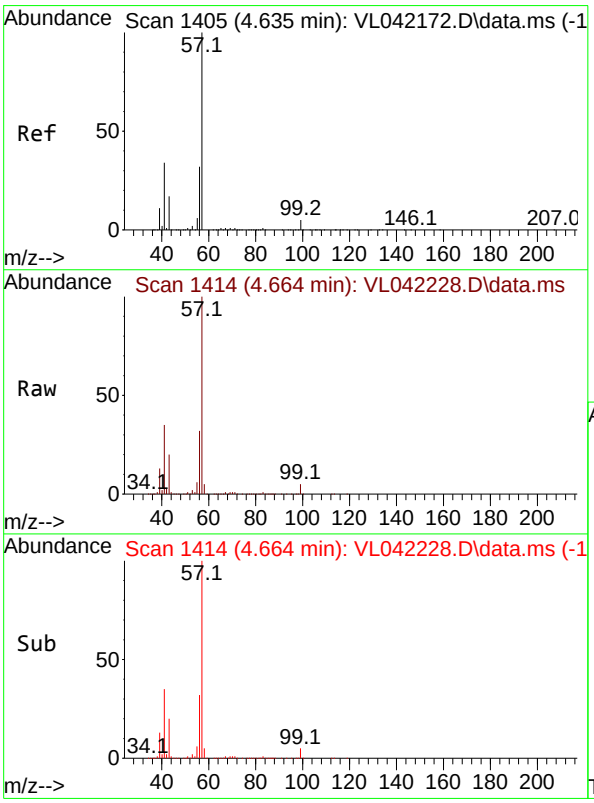
#43
Methyl Methacrylate
Concen: 8.605 ppbv
RT: 4.907 min Scan# 14
Delta R.T. 0.035 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 185545

Ion	Ratio	Lower	Upper
69	100		
41	157.6	123.8	185.6
100	36.4	28.4	42.6

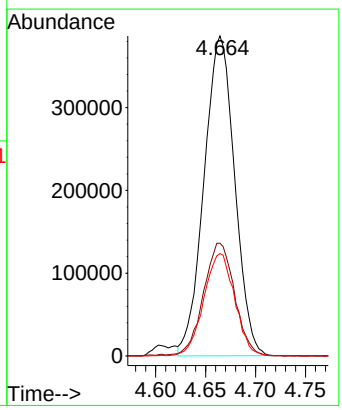


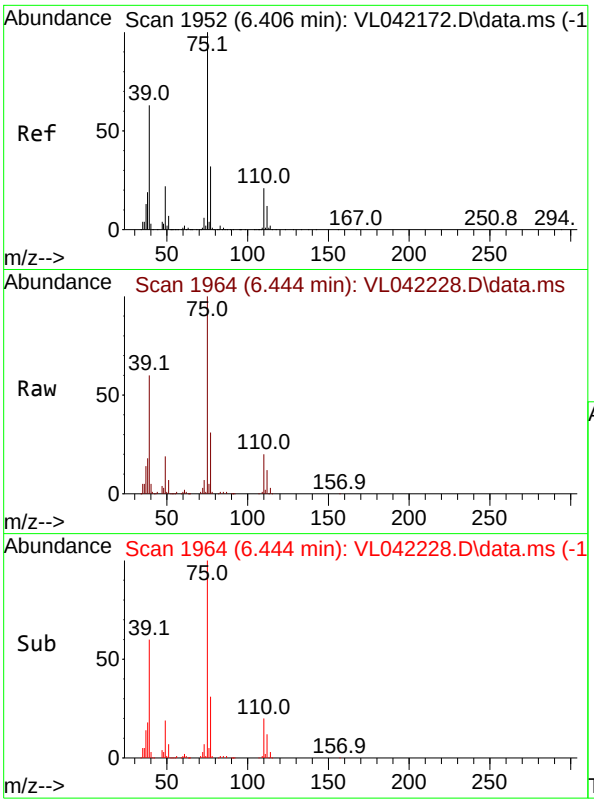


#44
2,2,4-Trimethylpentane
Concen: 9.584 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 57 Resp: 824962

Ion	Ratio	Lower	Upper
57	100		
41	36.1	26.8	40.2
56	32.3	25.6	38.4



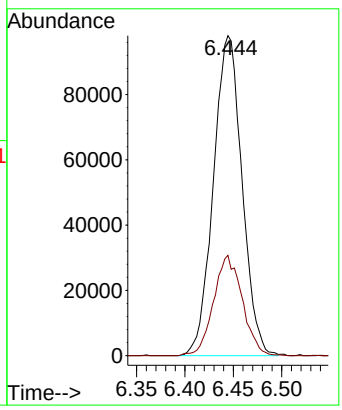


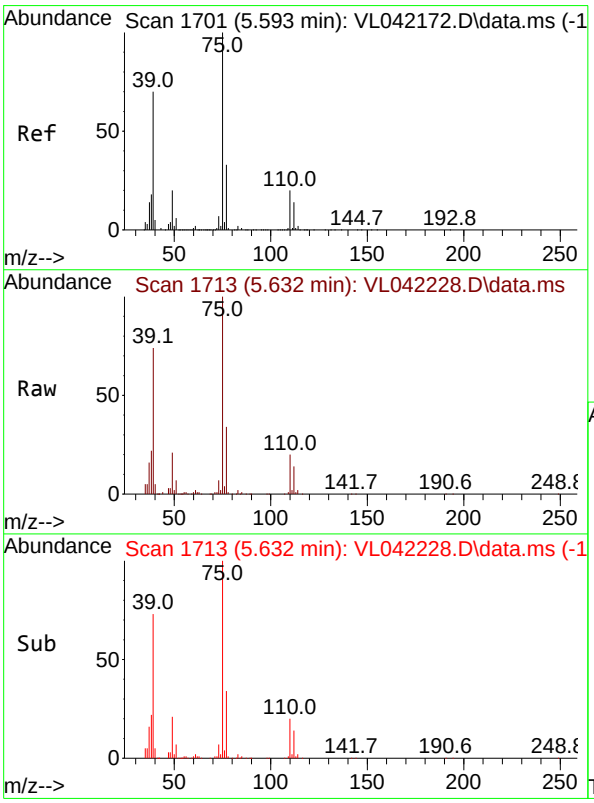
#45
t-1,3-Dichloropropene
Concen: 8.718 ppbv
RT: 6.444 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 201676

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.0	39.0

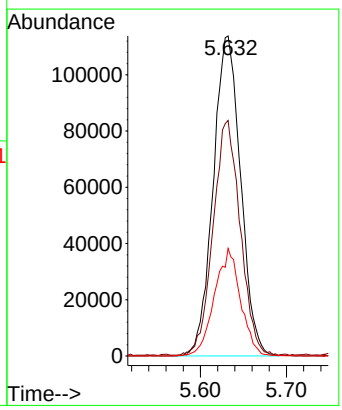


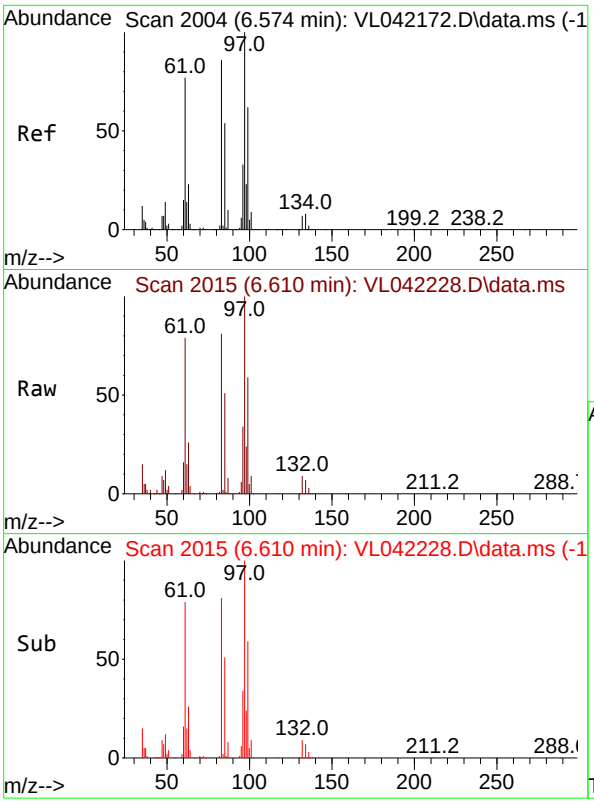


#46
cis-1,3-Dichloropropene
Concen: 8.888 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.039 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 75 Resp: 252032

Ion	Ratio	Lower	Upper
75	100		
39	73.3	55.8	83.6
77	33.4	26.0	39.0



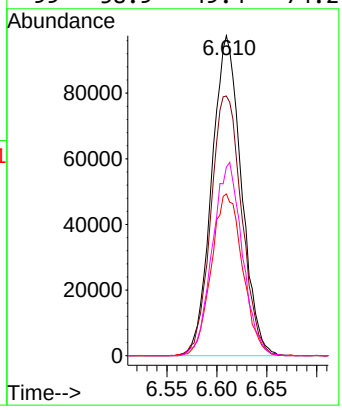


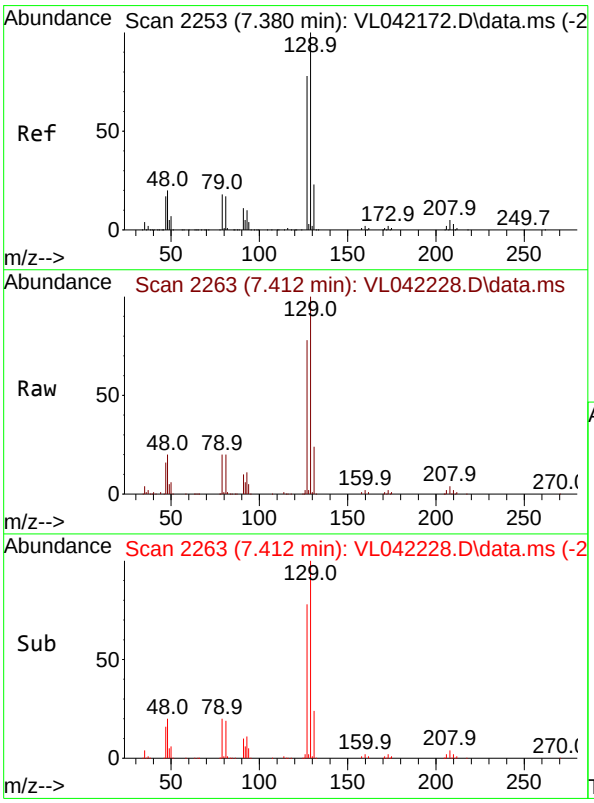
#47
1,1,2-Trichloroethane
Concen: 10.239 ppbv
RT: 6.610 min Scan# 2
Delta R.T. 0.035 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 200780

Ion	Ratio	Lower	Upper
97	100		
83	81.0	69.2	103.8
85	50.4	43.1	64.7
99	58.9	49.4	74.2

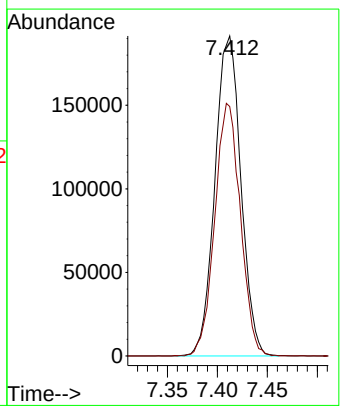


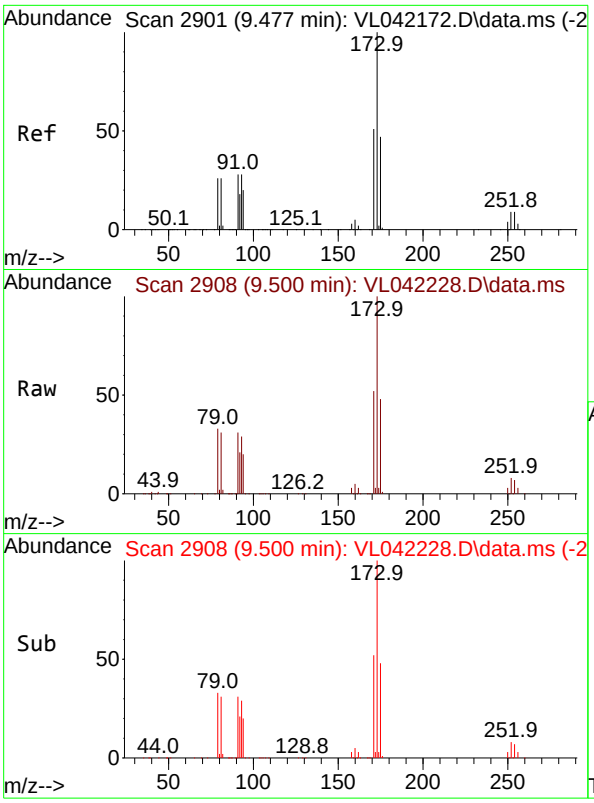


#48
Dibromochloromethane
Concen: 10.438 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.032 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:129 Resp: 346881

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2



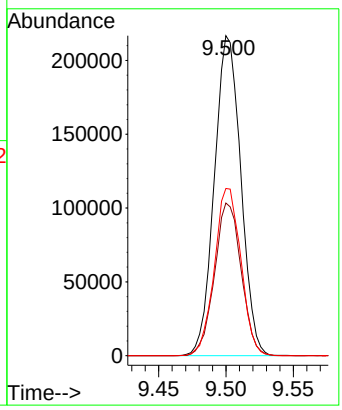


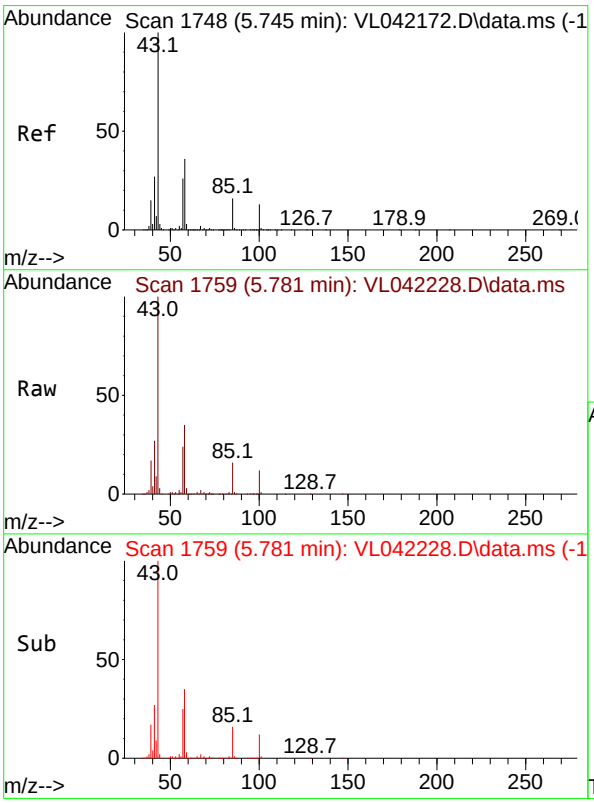
#49
Bromoform
Concen: 9.932 ppbv
RT: 9.500 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 296338

Ion	Ratio	Lower	Upper
173	100		
175	48.1	38.6	57.8
171	52.2	41.8	62.6

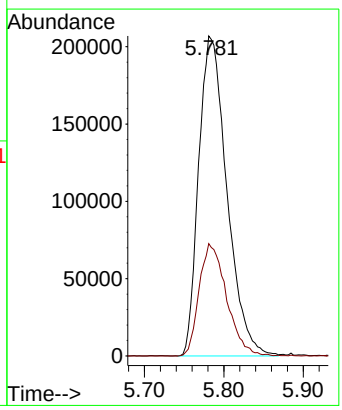


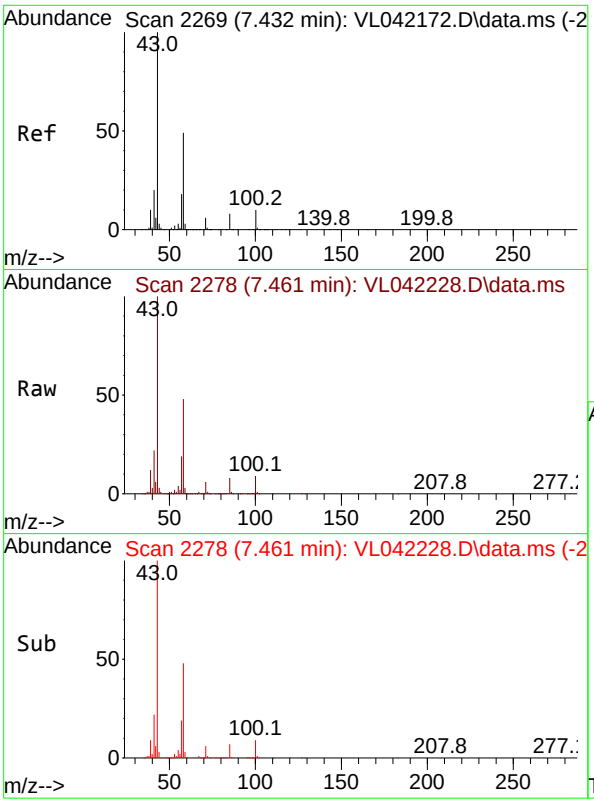


#50
4-Methyl-2-Pentanone
Concen: 8.665 ppbv
RT: 5.781 min Scan# 1759
Delta R.T. 0.036 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 43 Resp: 511581

Ion	Ratio	Lower	Upper
43	100		
58	34.2	29.0	43.6



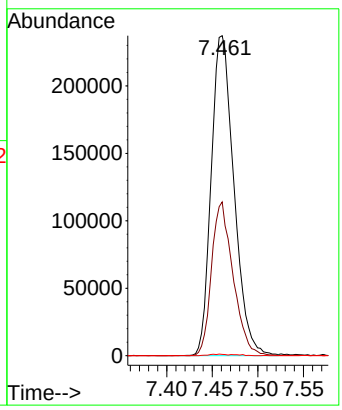


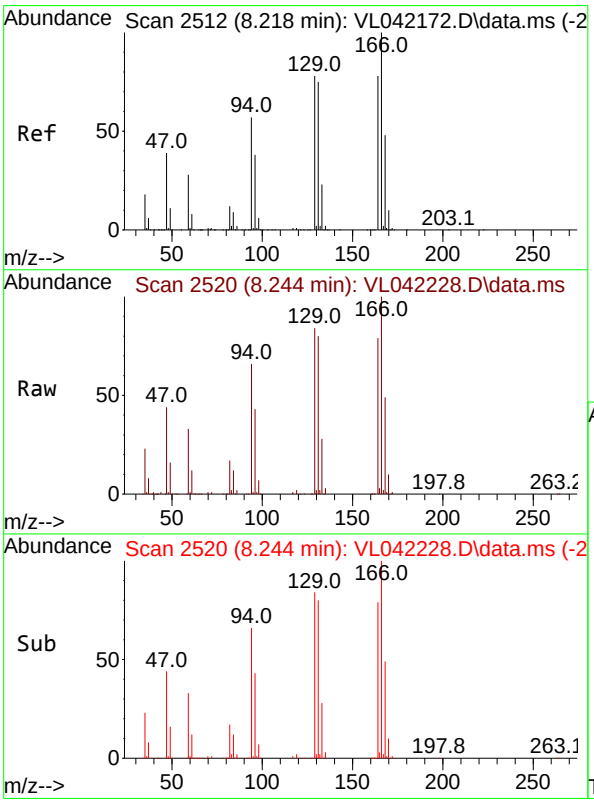
#51
2-Hexanone
Concen: 8.501 ppbv
RT: 7.461 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 412183

Ion	Ratio	Lower	Upper
43	100		
58	45.4	39.7	59.5
98	0.5	0.1	0.1#

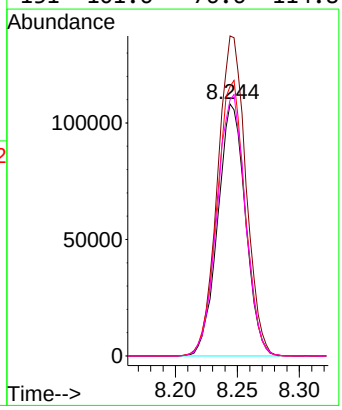


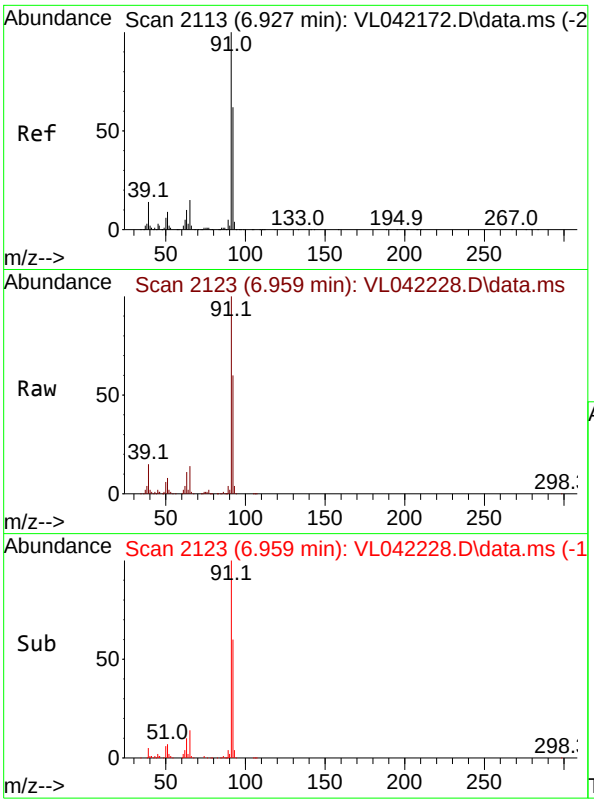


#52
Tetrachloroethene
Concen: 8.322 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:164 Resp: 168107

Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.5	153.7
129	106.9	79.8	119.8
131	101.6	76.6	114.8



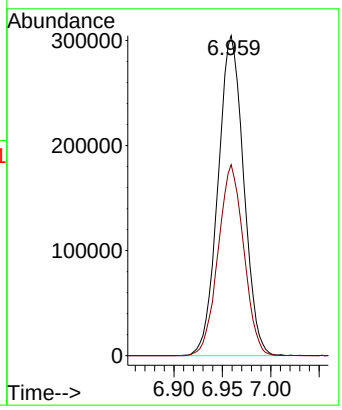


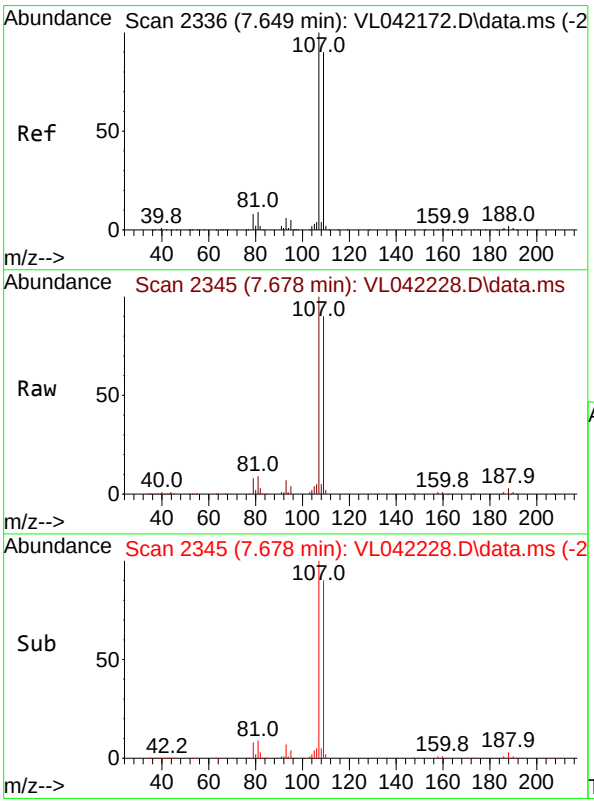
#53
Toluene
Concen: 9.286 ppbv
RT: 6.959 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 560665

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.4	72.6

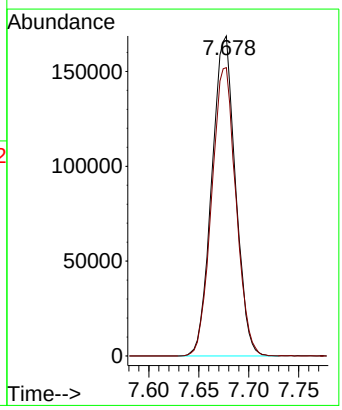


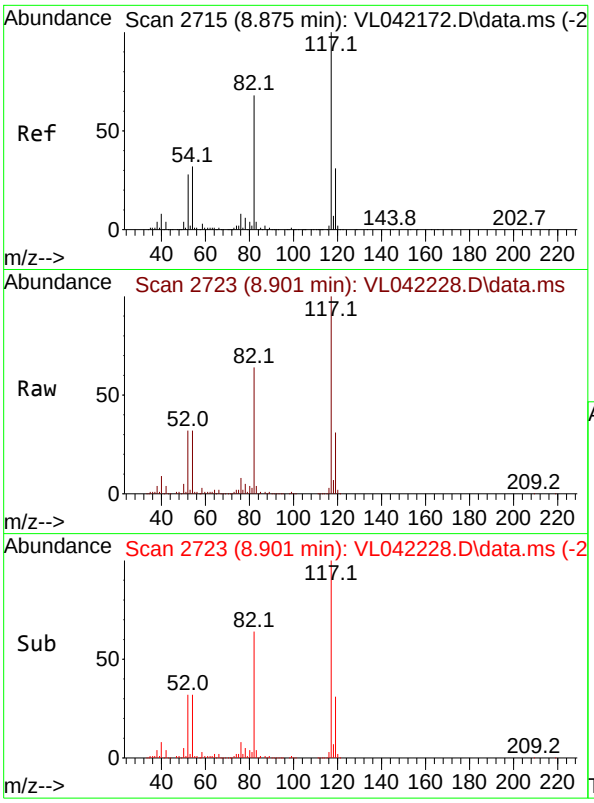


#54
1,2-Dibromoethane
Concen: 10.154 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.029 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:107 Resp: 277561

Ion	Ratio	Lower	Upper
107	100		
109	90.1	72.2	108.4



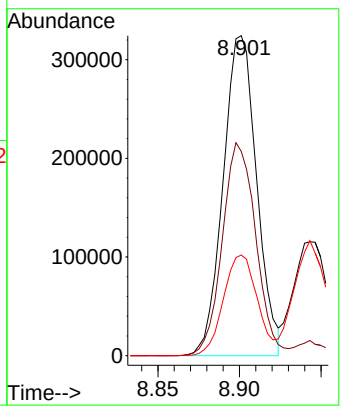


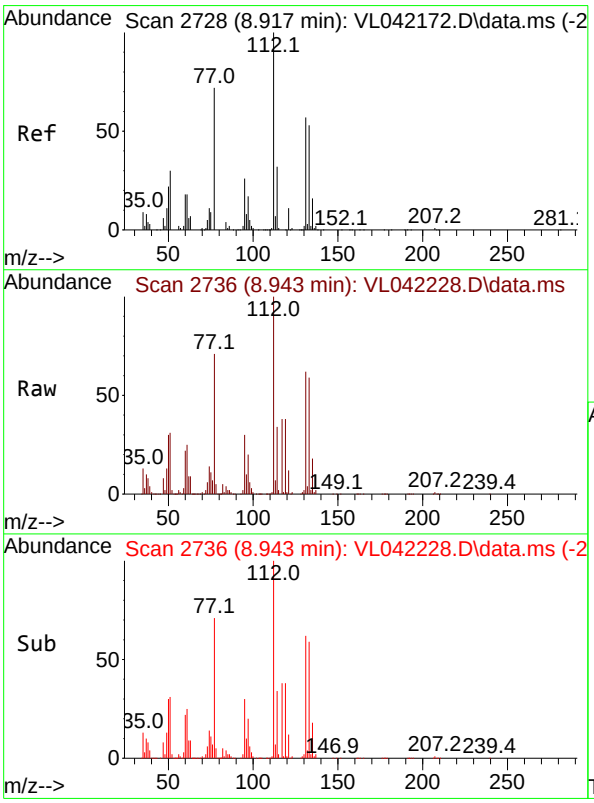
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 464477

Ion	Ratio	Lower	Upper
117	100		
82	70.4	55.8	83.6
119	32.3	25.5	38.3

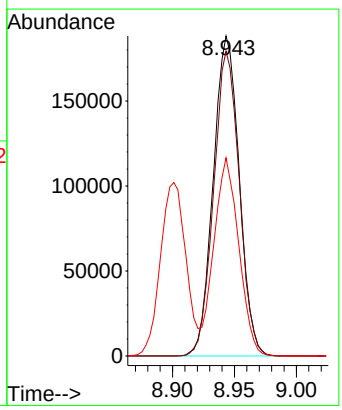


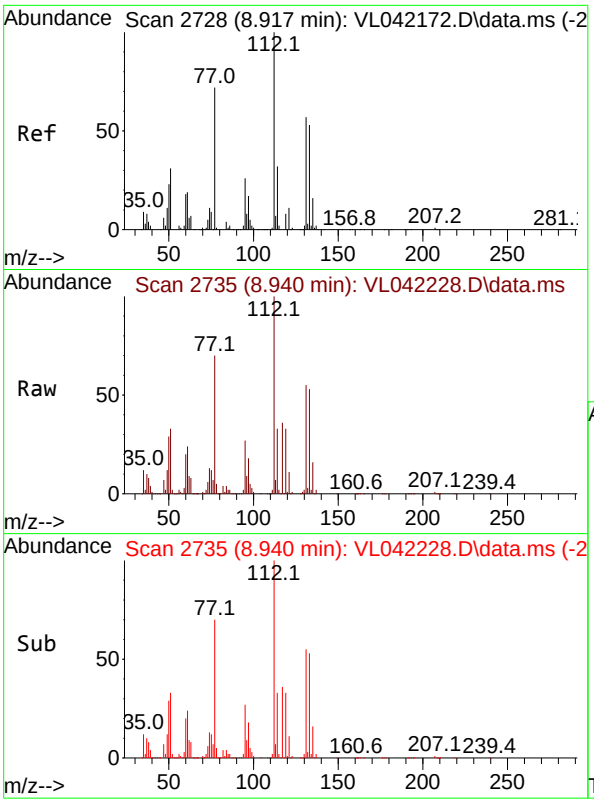


#56
1,1,1,2-Tetrachloroethane
Concen: 10.722 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.026 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:131 Resp: 274135

Ion	Ratio	Lower	Upper
131	100		
133	94.5	76.6	114.8
119	61.1	49.8	74.6



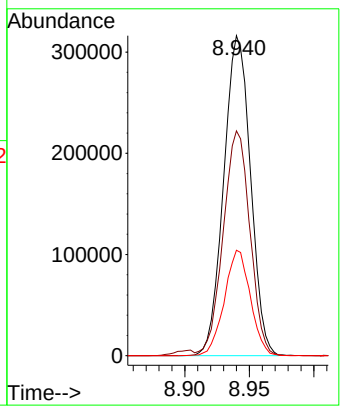


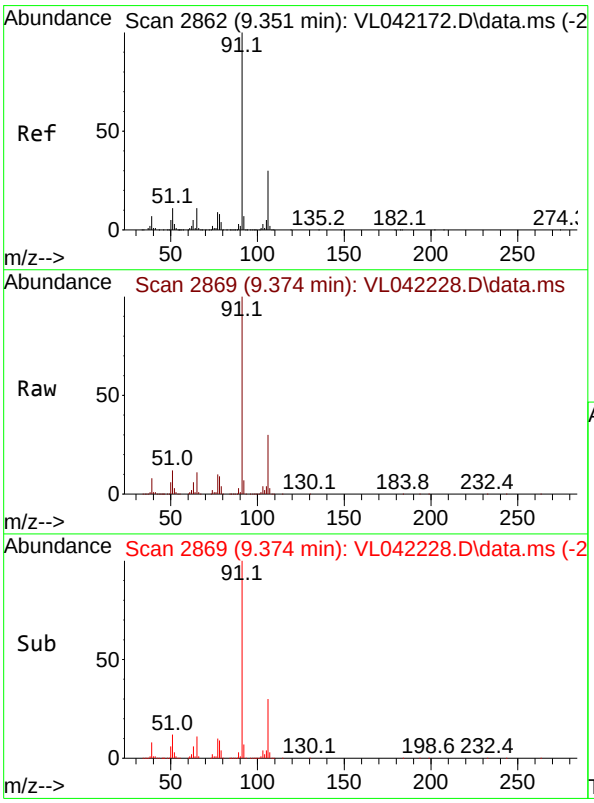
#57
Chlorobenzene
Concen: 10.368 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 456787

Ion	Ratio	Lower	Upper
112	100		
77	69.9	58.2	87.2
114	32.9	29.1	35.5

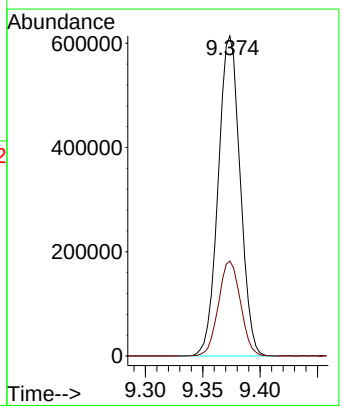


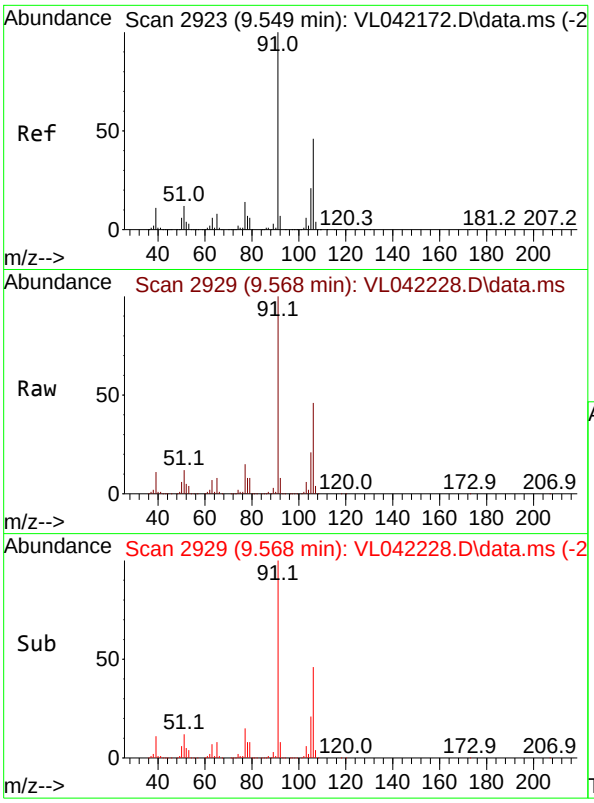


#58
Ethyl Benzene
Concen: 9.888 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 815771

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.2	36.2



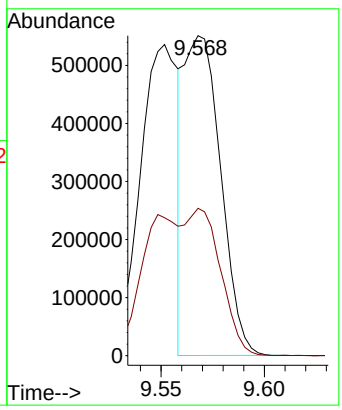


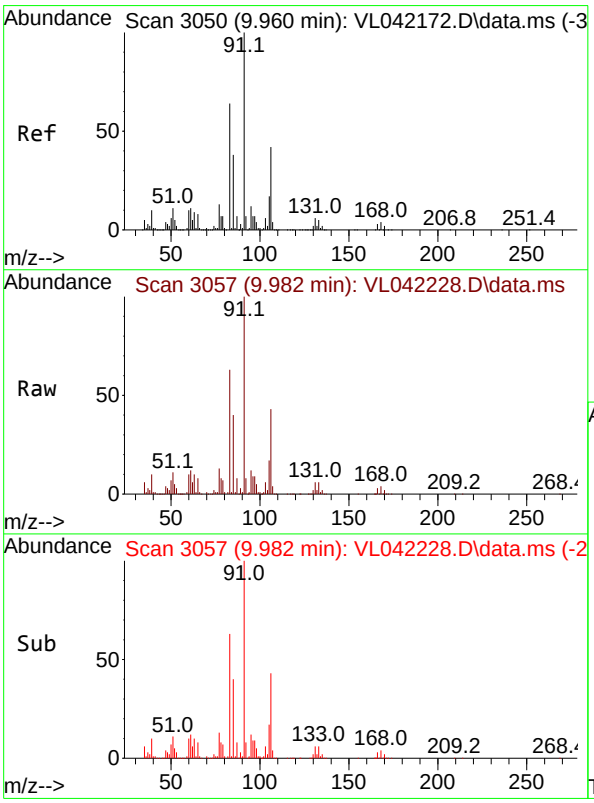
#59
m/p-Xylene
Concen: 10.284 ppbv
RT: 9.568 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 677509

Ion	Ratio	Lower	Upper
91	100		
106	91.4	36.4	54.6#

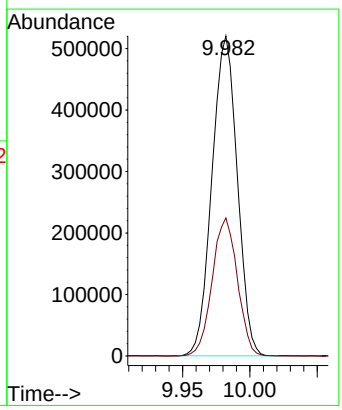


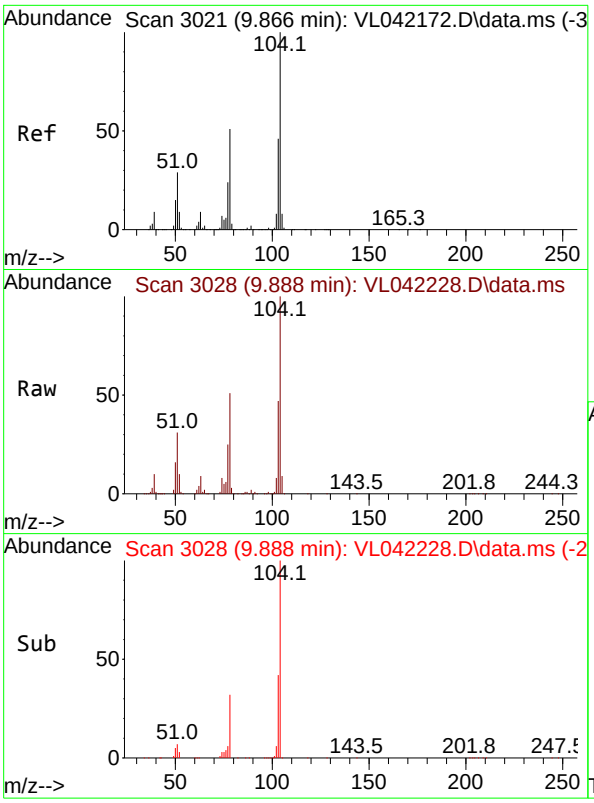


#60
o-Xylene
Concen: 10.284 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 679193

Ion	Ratio	Lower	Upper
91	100		
106	42.9	20.8	62.5



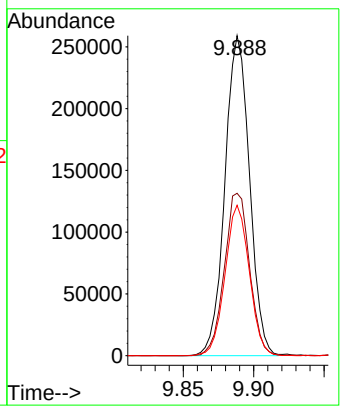


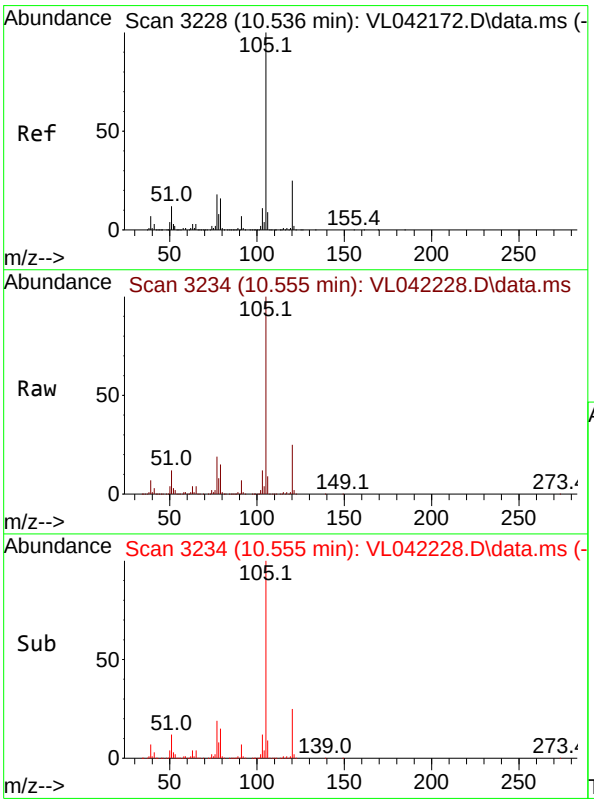
#61
Styrene
Concen: 9.635 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 314809

Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.8	62.6
103	46.5	37.0	55.4

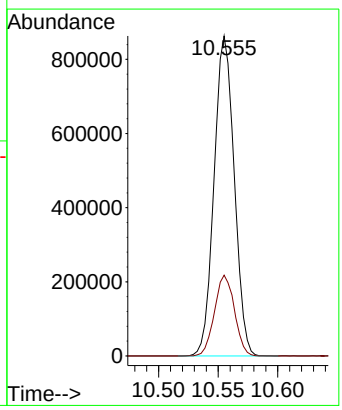


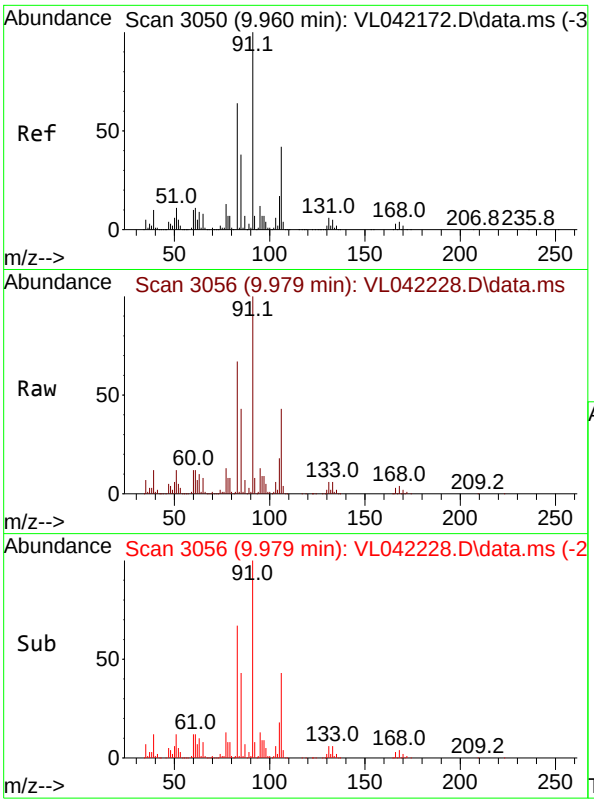


#62
Isopropylbenzene
Concen: 10.265 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 1013803

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.9	29.9



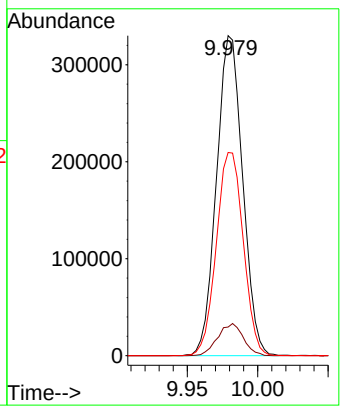


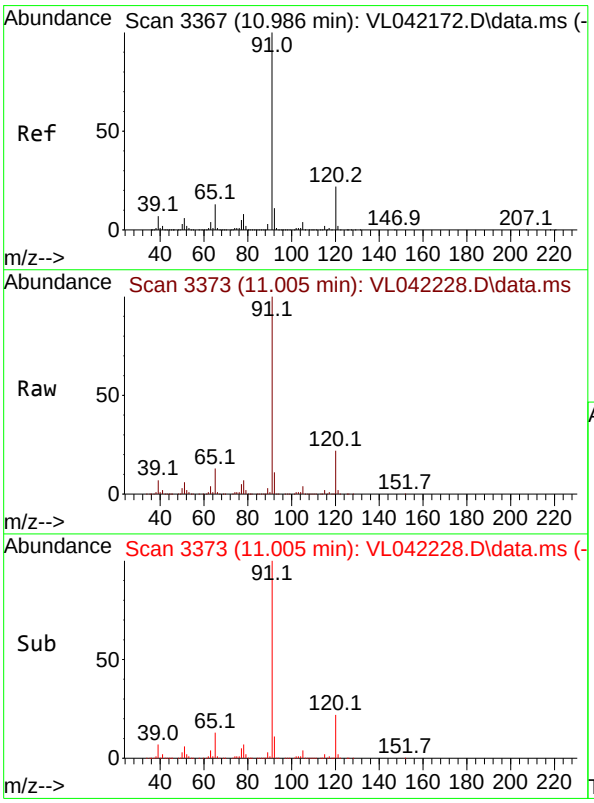
#63
1,1,2,2-Tetrachloroethane
Concen: 10.651 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 427404

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.3	32.5	97.5

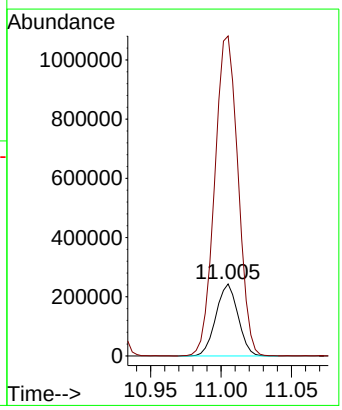


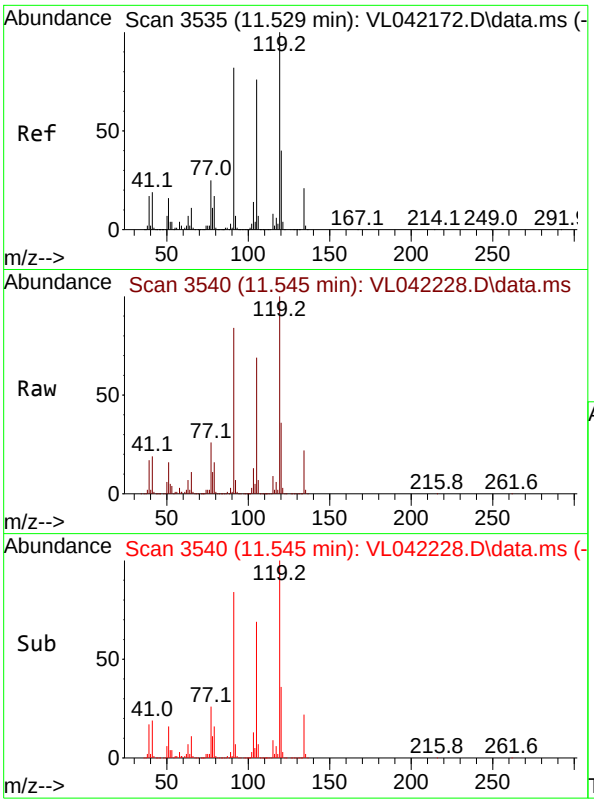


#64
n-propylbenzene
Concen: 10.429 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:120 Resp: 265137

Ion	Ratio	Lower	Upper
120	100		
91	469.5	376.9	565.3



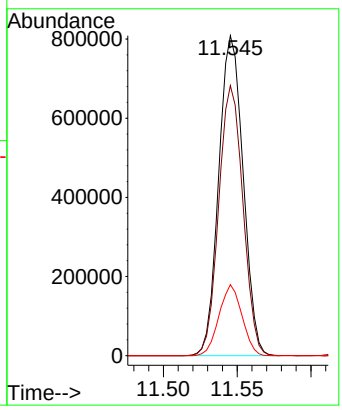


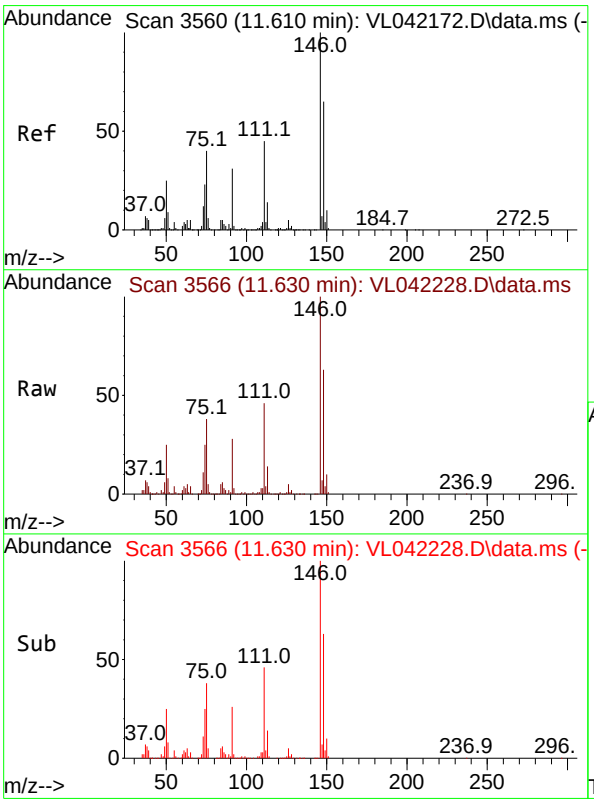
#65
tert-Butylbenzene
Concen: 10.171 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 928989

Ion	Ratio	Lower	Upper
119	100		
91	83.8	66.0	99.0
134	20.9	16.7	25.1

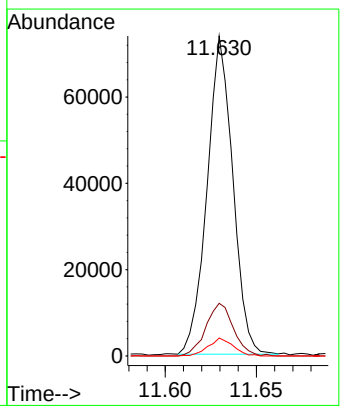


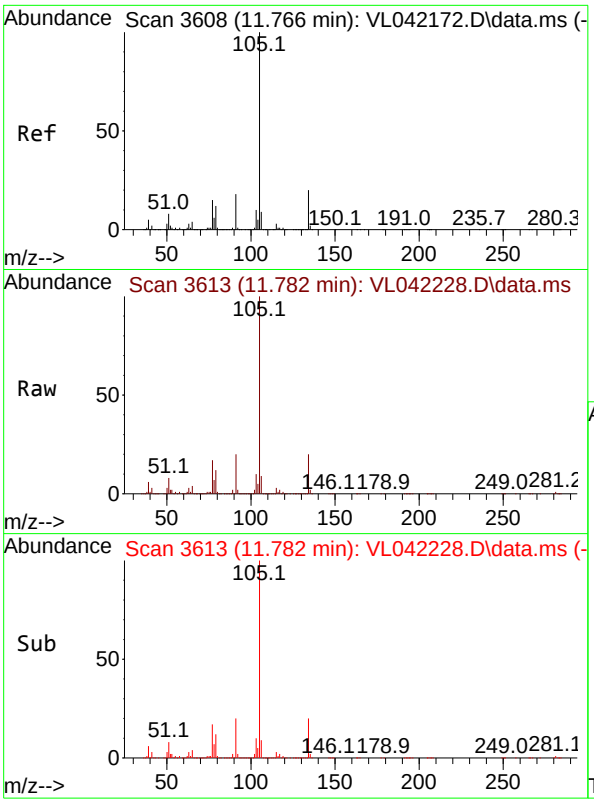


#66
Benzyl Chloride
Concen: 7.452 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 72224

Ion	Ratio	Lower	Upper
91	100		
126	17.8	13.8	20.6
128	5.5	4.5	6.7



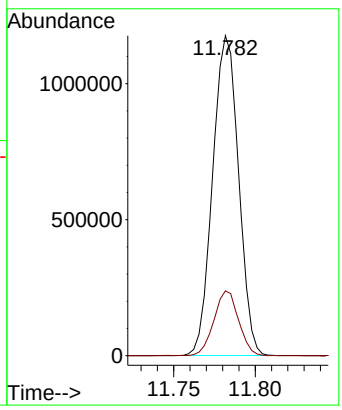


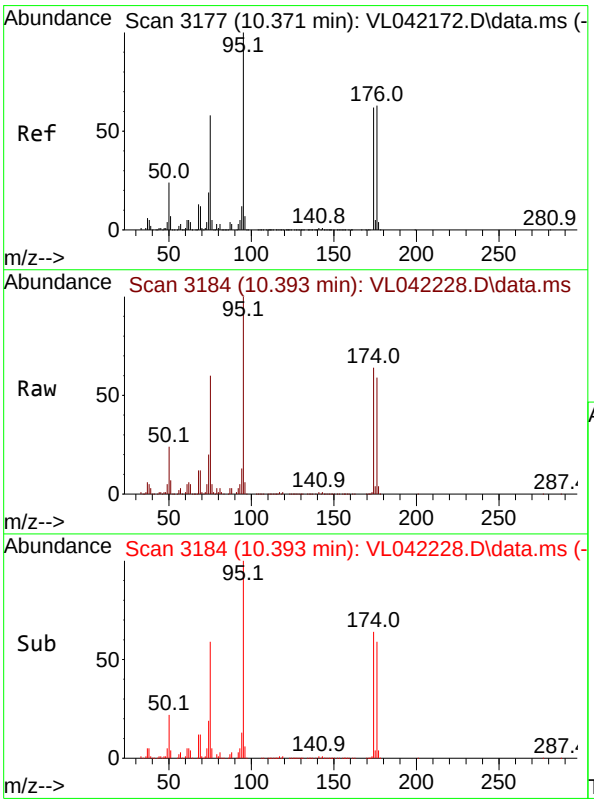
#67
sec-Butylbenzene
Concen: 10.229 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 1298645

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

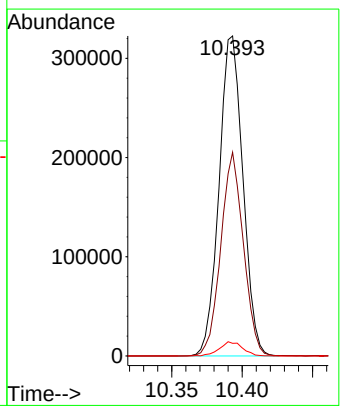


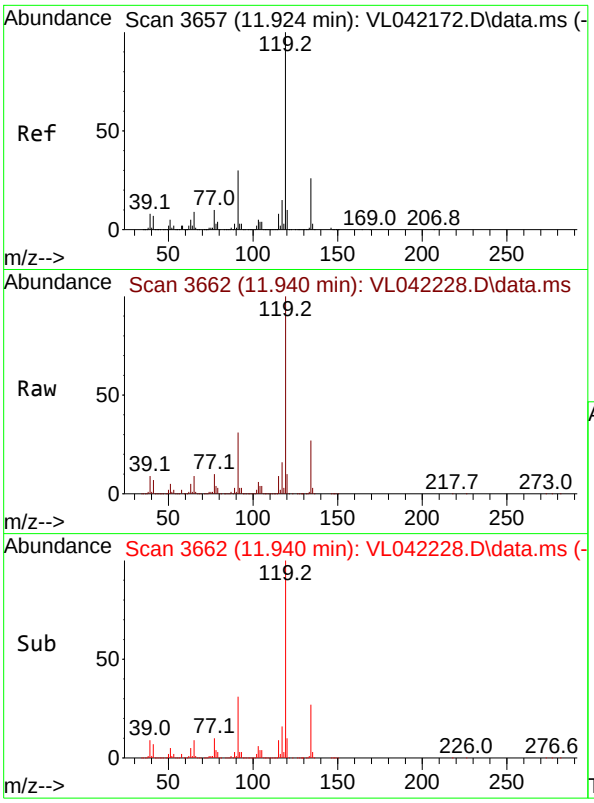


#68
1-Bromo-4-Fluorobenzene
Concen: 9.971 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 95 Resp: 380328

Ion	Ratio	Lower	Upper
95	100		
174	60.5	50.6	76.0
175	4.3	3.8	5.6



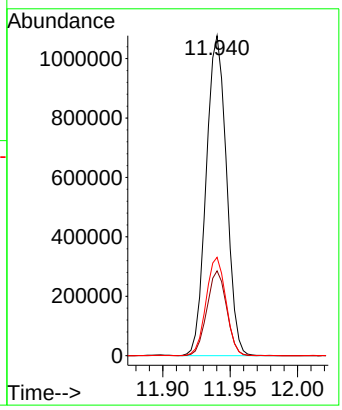


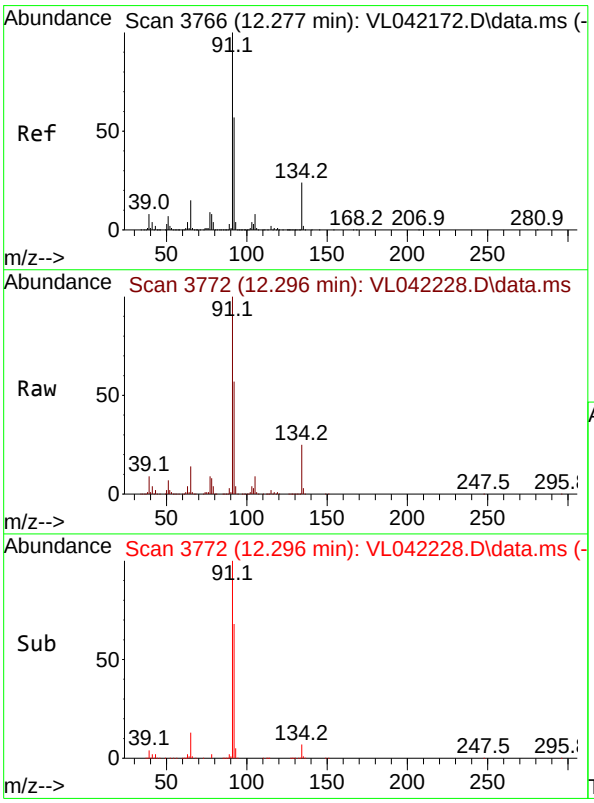
#69
p-Isopropyltoluene
Concen: 10.324 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 1128593

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	30.1	23.7	35.5

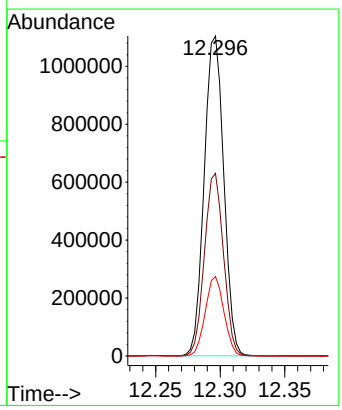


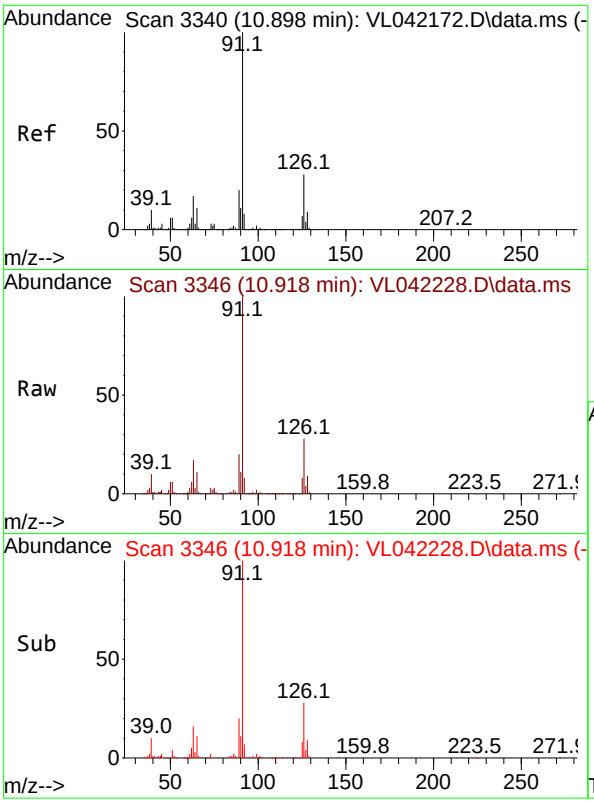


#70
n-Butylbenzene
Concen: 10.428 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion: 91 Resp: 1165845

Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.9	67.3
134	23.7	19.2	28.8



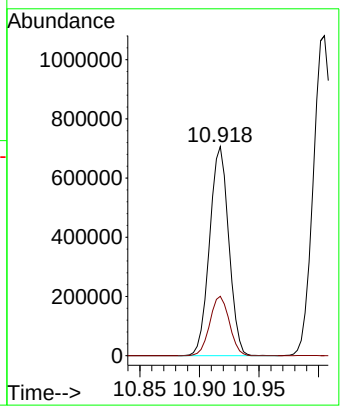


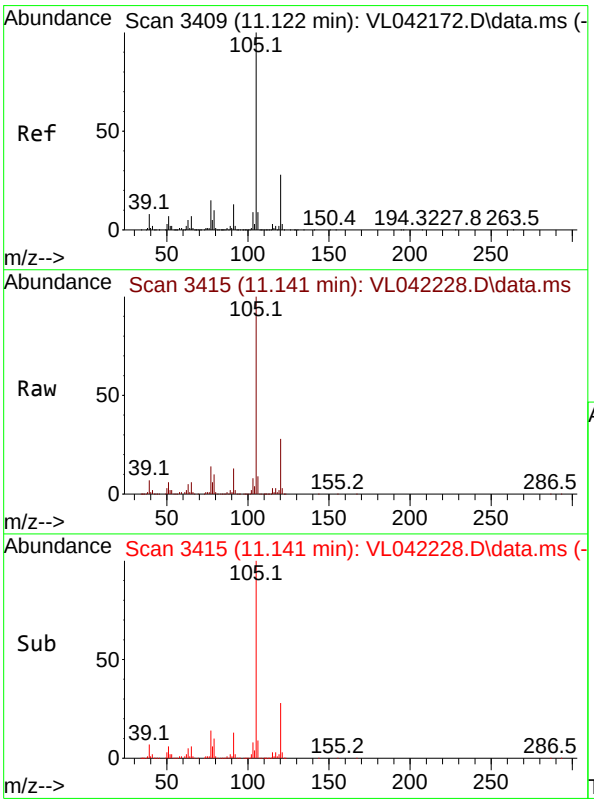
#71
2-Chlorotoluene
Concen: 10.274 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 787527

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.6	46.4

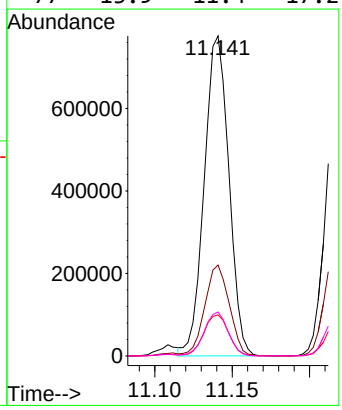


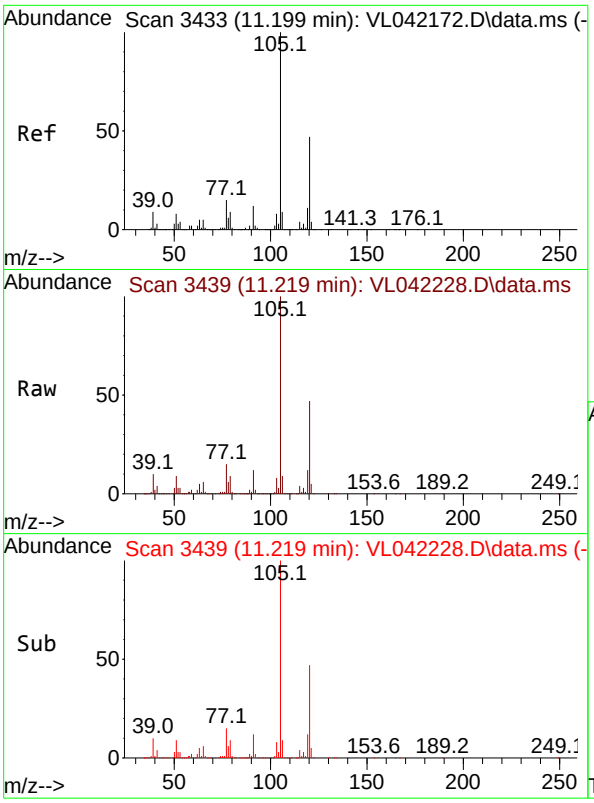


#72
4-Ethyltoluene
Concen: 10.422 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 857021

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.4	35.0
91	13.4	10.3	15.5
77	13.9	11.4	17.2



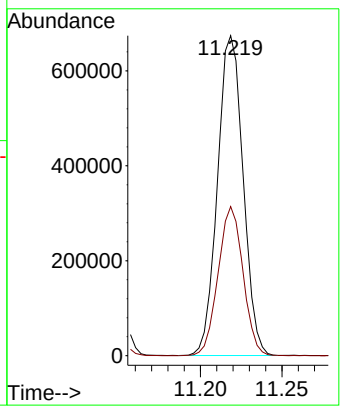


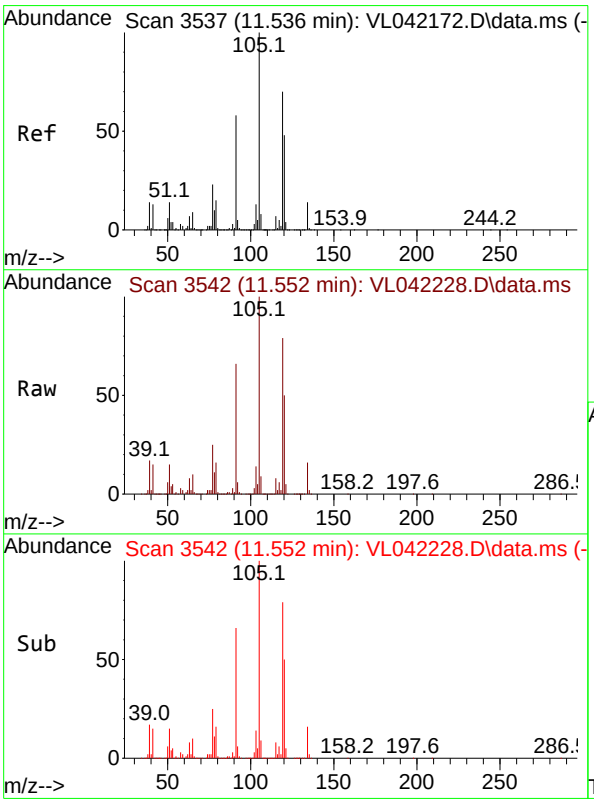
#73
1,3,5-Trimethylbenzene
Concen: 10.239 ppbv
RT: 11.219 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 735306

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.4	56.0

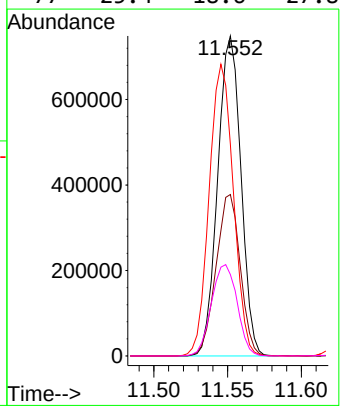


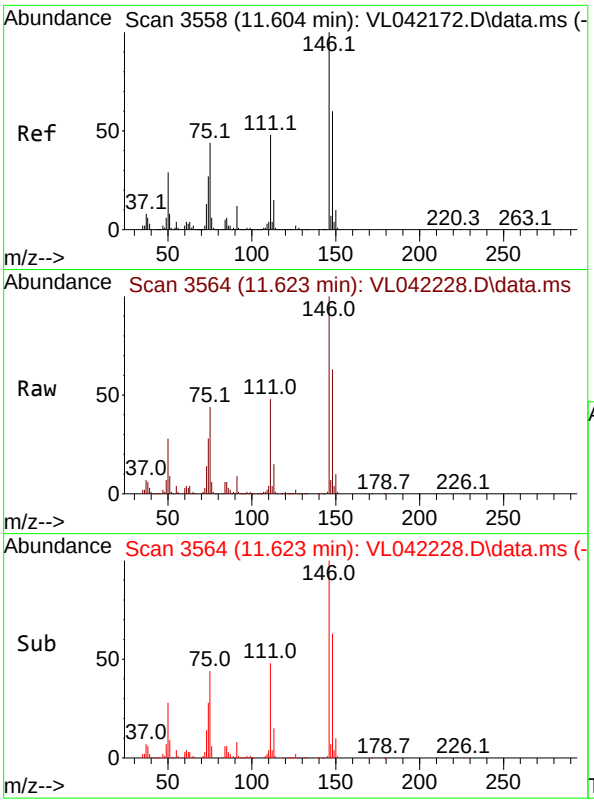


#74
1,2,4-Trimethylbenzene
Concen: 9.935 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:105 Resp: 821957

Ion	Ratio	Lower	Upper
105	100		
120	50.5	38.6	58.0
91	66.2	46.2	69.2
77	25.4	18.6	27.8



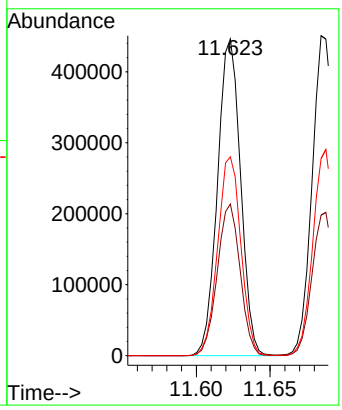


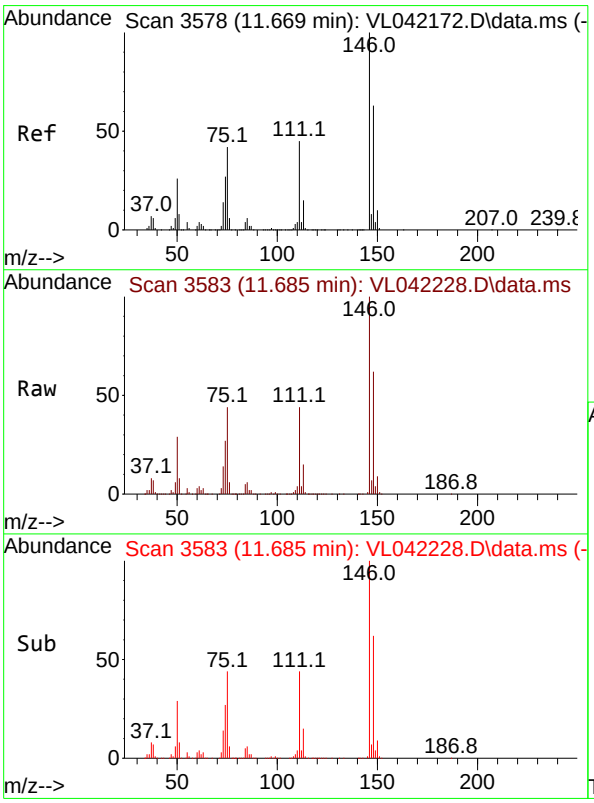
#75
1,3-Dichlorobenzene
Concen: 10.703 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 485669

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.1	31.9	95.9

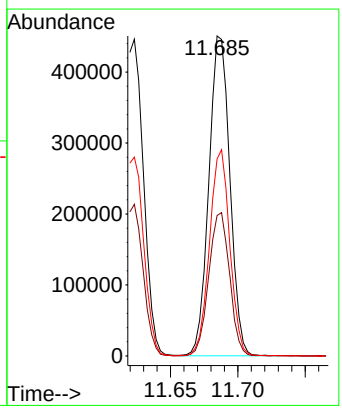


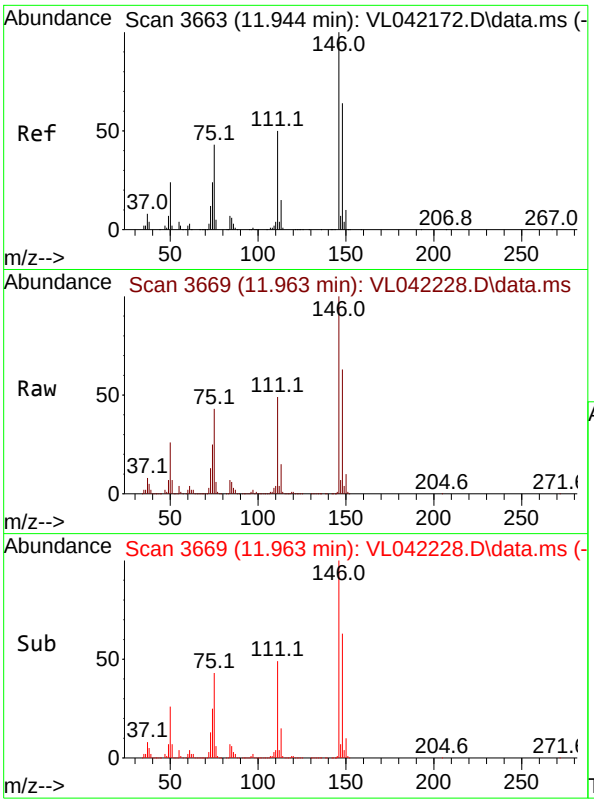


#76
1,4-Dichlorobenzene
Concen: 10.821 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:146 Resp: 488661

Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.0	69.0
148	62.4	31.9	95.7



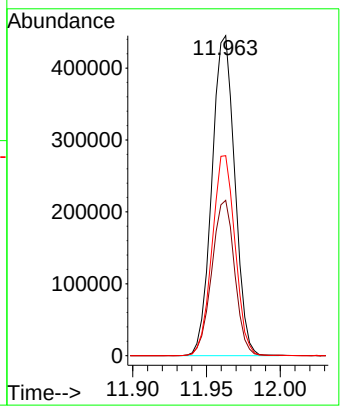


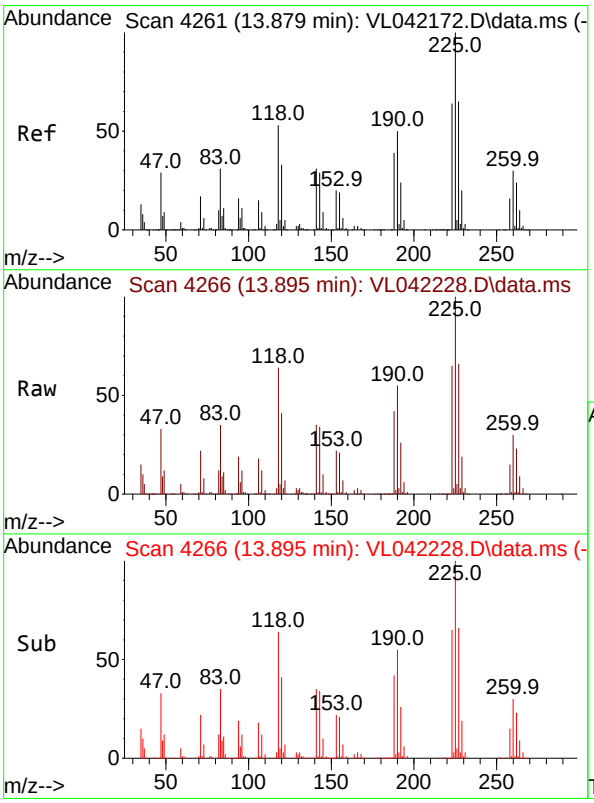
#77
1,2-Dichlorobenzene
Concen: 10.873 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 480373

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.8	74.3
148	62.9	31.6	94.8

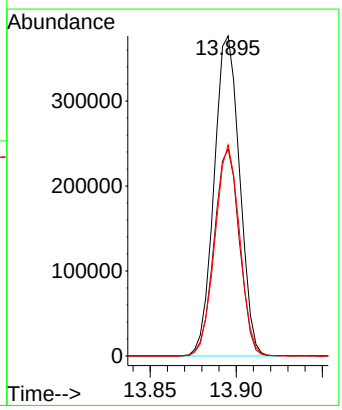


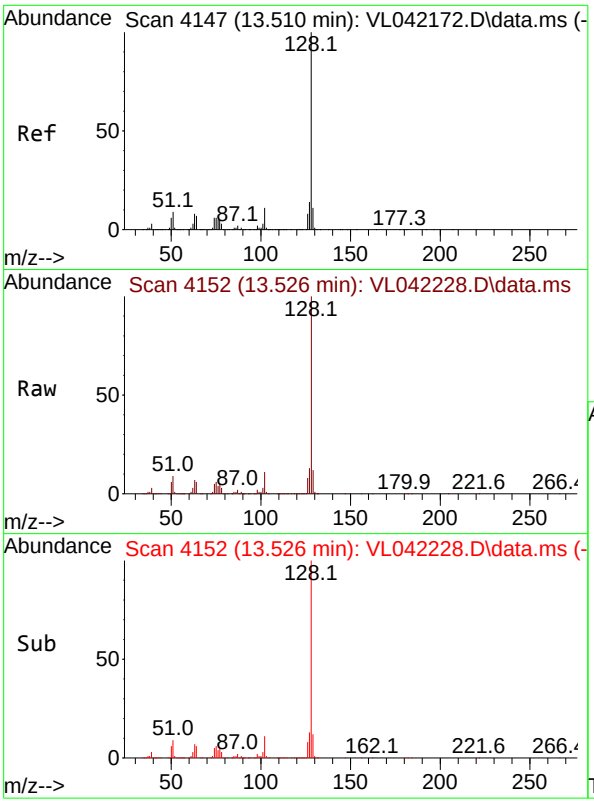


#78
Hexachloro-1,3-Butadiene
Concen: 8.646 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:225 Resp: 388827

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	63.9	51.2	76.8



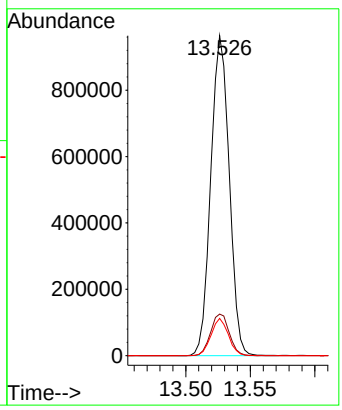


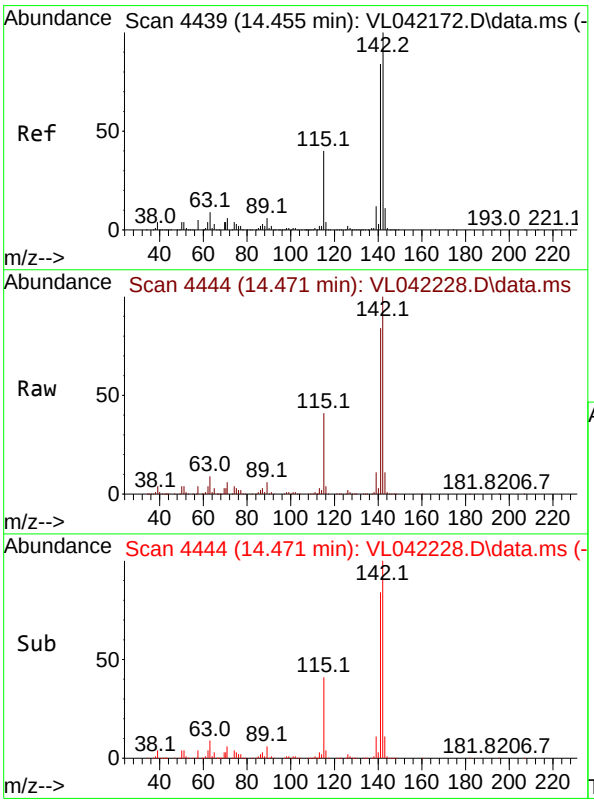
#79
Naphthalene
Concen: 10.570 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 956597

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.6	9.0	13.4

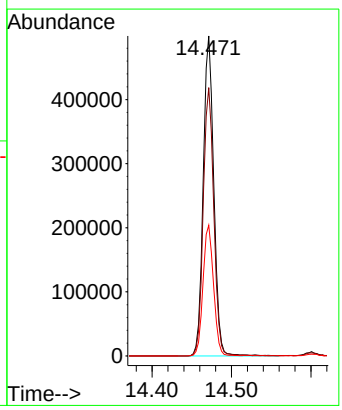


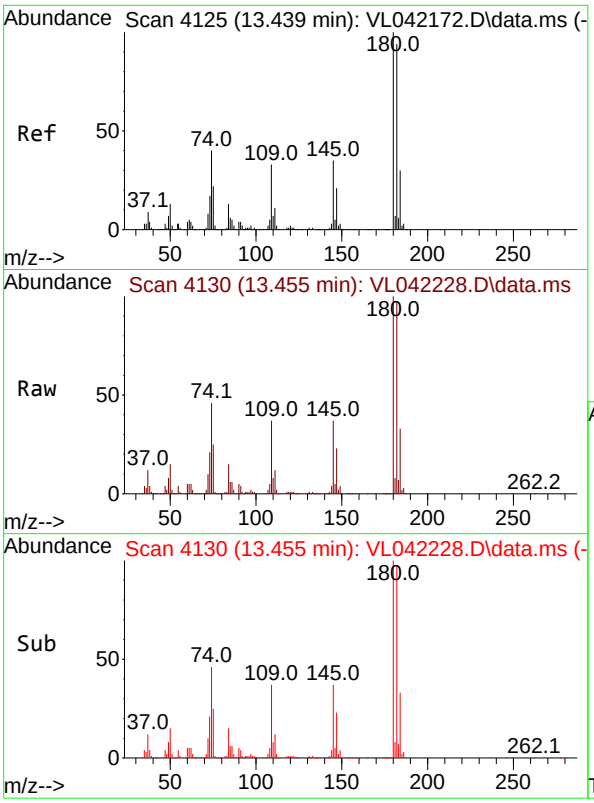


#80
Naphthalene,2-methyl-
Concen: 10.419 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Tgt Ion:142 Resp: 462373

Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.3	99.5
115	41.1	31.6	47.4



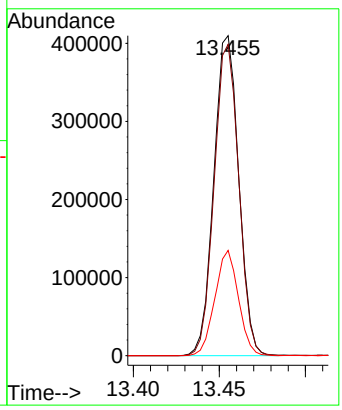


#81
1,2,4-Trichlorobenzene
Concen: 9.886 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042228.D
Acq: 07 Apr 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 412677

Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.1	112.7
184	31.1	24.4	36.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042230.D
Acq On : 07 Apr 2025 11:09
Operator : SY/MD
Sample : VL0407ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Quant Time: Apr 08 01:29:41 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	2.800	49	197822	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	531347	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	473981	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	398322	10.233	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	273487	9.363	ppbv	100
3) Chlorodifluoromethane	1.479	51	276521	9.267	ppbv	97
4) Chloromethane	1.538	50	106766	8.944	ppbv	99
5) Vinyl Chloride	1.586	62	101600	8.032	ppbv	94
6) Bromomethane	1.674	94	44439	8.215	ppbv	98
7) Chloroethane	1.709	64	42458	8.861	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	230477	9.266	ppbv	94
9) Propene	1.489	41	106235	7.768	ppbv	97
10) Heptane	5.001	43	311035	8.550	ppbv	100
11) Trichlorofluoromethane	1.884	101	260770	9.175	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	210391	9.006	ppbv	96
13) Ethanol	1.729	45	5394	4.172	ppbv	97
14) Bromoethene	1.787	108	71737	8.016	ppbv	97
15) Acetone	1.842	43	230460	8.330	ppbv	96
16) 1,3-Butadiene	1.615	39	109306	8.090	ppbv	99
17) tert-Butyl alcohol	2.049	59	271487	7.879	ppbv	99
18) 1,1-Dichloroethene	2.042	96	88728	8.125	ppbv	95
19) Isopropyl Alcohol	1.894	45	129131	8.272	ppbv	98
20) Methylene Chloride	2.068	84	76153	7.391	ppbv	92
21) Allyl Chloride	2.104	41	167334	8.576	ppbv	98
22) trans-1,2-Dichloroethene	2.350	96	104449	8.275	ppbv	93
23) Vinyl Acetate	2.473	43	96391	8.050	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	214121	9.152	ppbv	100
25) Ethyl Acetate	2.848	43	639210	8.902	ppbv	99
26) Hexane	2.839	57	246755	8.897	ppbv	100
27) Carbon Disulfide	2.159	76	258412	8.689	ppbv	96
28) Methyl tert-Butyl Ether	2.450	73	142610	8.259	ppbv	94
29) Chloroform	2.861	83	397517	9.793	ppbv	99
30) Cyclohexane	3.874	84	203521	8.451	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	249591	8.864	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	406124	8.739	ppbv	98
34) 2-Butanone	2.570	43	362939	9.420	ppbv	99
35) Carbon Tetrachloride	3.781	117	418362	10.079	ppbv	99
36) Benzene	3.674	78	494216	9.382	ppbv	99
37) 1,2-Dichloroethane	3.234	62	314377	10.424	ppbv	98
38) Trichloroethene	4.570	130	202575	9.217	ppbv	97
39) 1,2-Dichloropropane	4.334	63	179485	9.356	ppbv	92
40) 1,4-Dioxane	4.606	88	85103	8.358	ppbv #	93
41) Tetrahydrofuran	3.068	42	201260	9.071	ppbv	98
42) Bromodichloromethane	4.512	83	430763	10.361	ppbv	99
43) Methyl Methacrylate	4.907	69	188872	8.470	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	838005	9.414	ppbv	97
45) t-1,3-Dichloropropene	6.444	75	194507	8.130	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042230.D
Acq On : 07 Apr 2025 11:09
Operator : SY/MD
Sample : VL0407ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Quant Time: Apr 08 01:29:41 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)
46) cis-1,3-Dichloropropene	5.632	75	252229	8.601	ppbv		99
47) 1,1,2-Trichloroethane	6.606	97	201960	9.959	ppbv		95
48) Dibromochloromethane	7.412	129	343914	10.007	ppbv		99
49) Bromoform	9.500	173	302914	9.817	ppbv		99
50) 4-Methyl-2-Pentanone	5.784	43	510960	8.368	ppbv		97
51) 2-Hexanone	7.461	43	415858	8.294	ppbv	#	96
52) Tetrachloroethene	8.244	164	174622	8.359	ppbv		96
53) Toluene	6.962	91	562424	9.007	ppbv		99
54) 1,2-Dibromoethane	7.674	107	272683	9.646	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.943	131	276768	10.608	ppbv		99
57) Chlorobenzene	8.940	112	458748	10.204	ppbv		99
58) Ethyl Benzene	9.373	91	821248	9.754	ppbv		99
59) m/p-Xylene	9.568	91	594110	8.837	ppbv	#	9
60) o-Xylene	9.982	91	684704	10.160	ppbv		97
61) Styrene	9.888	104	318889	9.564	ppbv		99
62) Isopropylbenzene	10.555	105	1035385	10.274	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.979	83	442871	10.816	ppbv		98
64) n-propylbenzene	11.005	120	270373	10.422	ppbv		99
65) tert-Butylbenzene	11.545	119	944630	10.135	ppbv		98
66) Benzyl Chloride	11.629	91	70444	7.123	ppbv		100
67) sec-Butylbenzene	11.782	105	1346681	10.395	ppbv		99
69) p-Isopropyltoluene	11.940	119	1151394	10.321	ppbv		99
70) n-Butylbenzene	12.296	91	1190709	10.437	ppbv		98
71) 2-Chlorotoluene	10.917	91	803764	10.276	ppbv		100
72) 4-Ethyltoluene	11.141	105	867726	10.341	ppbv		99
73) 1,3,5-Trimethylbenzene	11.218	105	750866	10.246	ppbv		97
74) 1,2,4-Trimethylbenzene	11.552	105	832142	9.856	ppbv		93
75) 1,3-Dichlorobenzene	11.623	146	491666	10.618	ppbv		99
76) 1,4-Dichlorobenzene	11.688	146	486784	10.563	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	480453	10.656	ppbv		99
78) Hexachloro-1,3-Butadiene	13.895	225	375805	8.189	ppbv		99
79) Naphthalene	13.526	128	855353	9.262	ppbv		100
80) Naphthalene,2-methyl-	14.471	142	301864	6.665	ppbv		99
81) 1,2,4-Trichlorobenzene	13.455	180	383097	8.994	ppbv		98

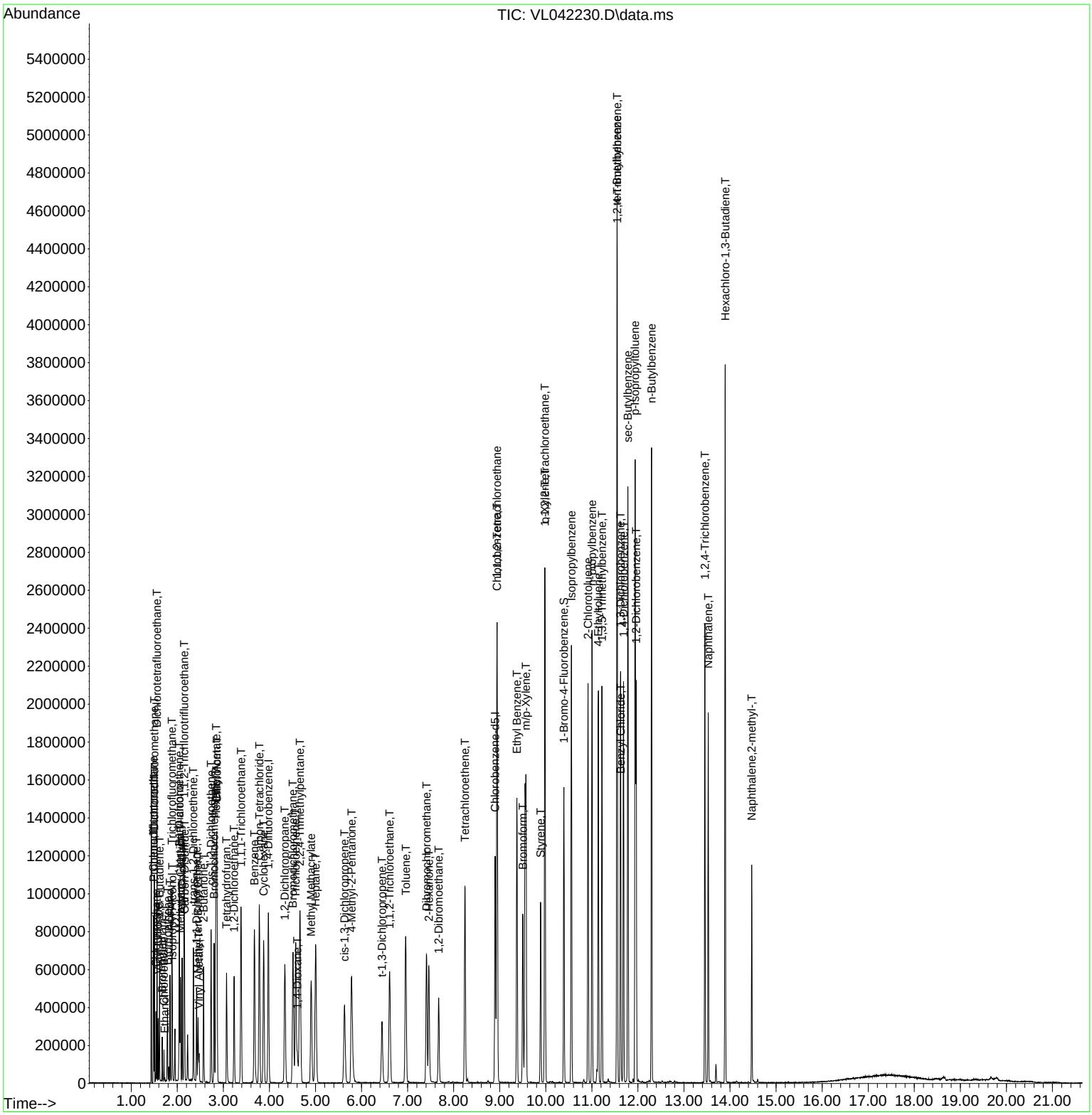
(#) = qualifier out of range (m) = manual integration (+) = signals summed

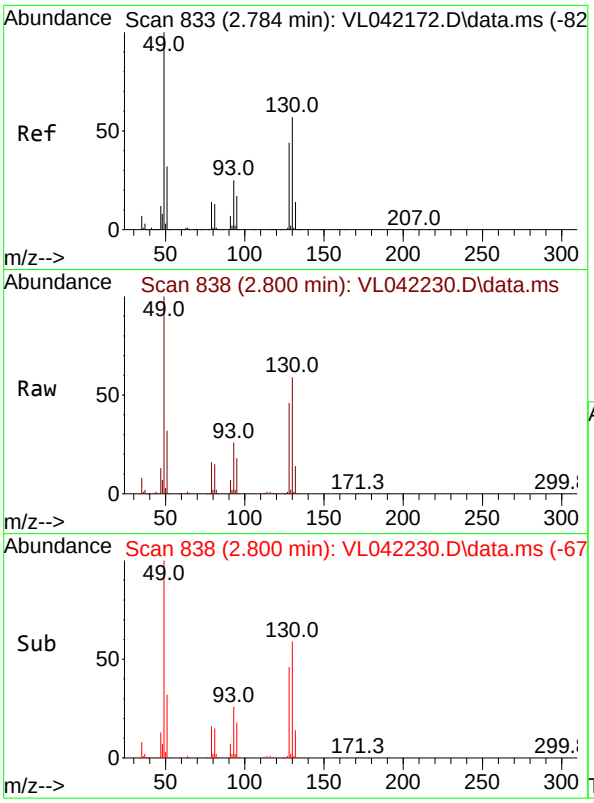
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042230.D
Acq On : 07 Apr 2025 11:09
Operator : SY/MD
Sample : VL0407ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Quant Time: Apr 08 01:29:41 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



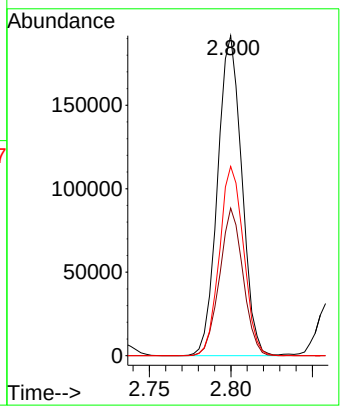


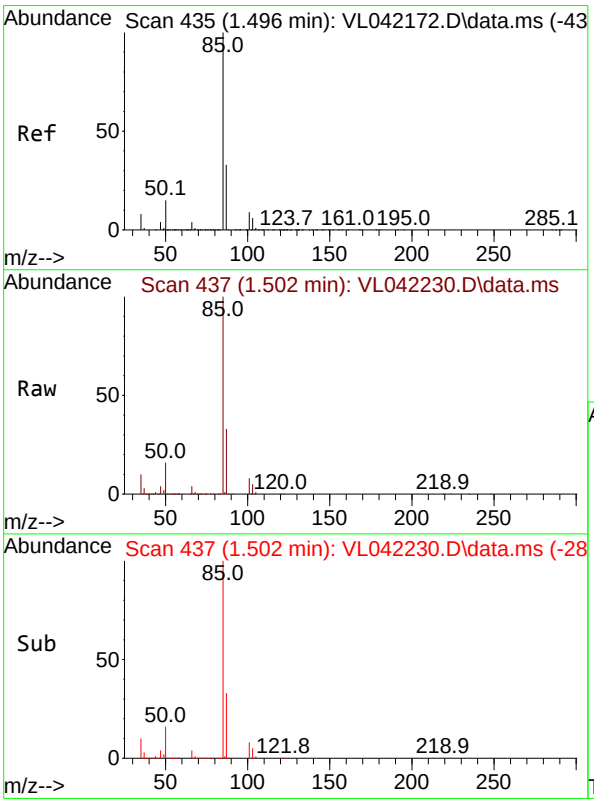
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 49 Resp: 197822

Ion	Ratio	Lower	Upper
49	100		
128	44.6	22.9	68.5
130	59.0	28.8	86.4

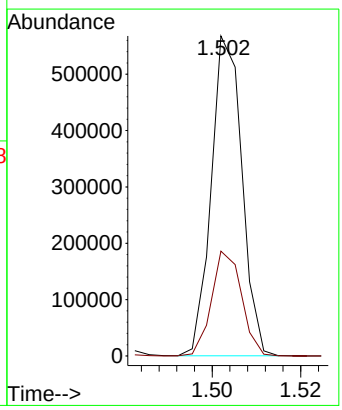


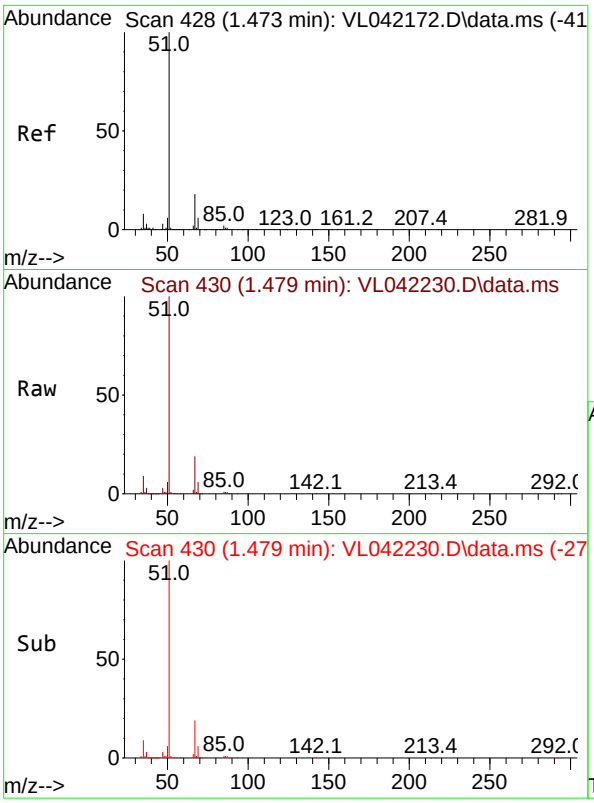


#2
Dichlorodifluoromethane
Concen: 9.363 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 85 Resp: 273487

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.1	39.1



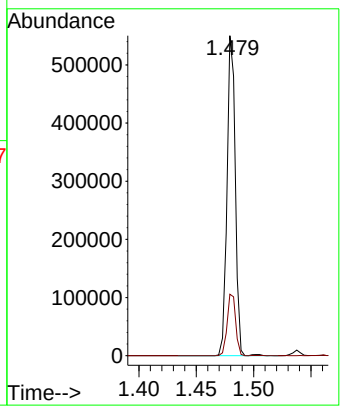


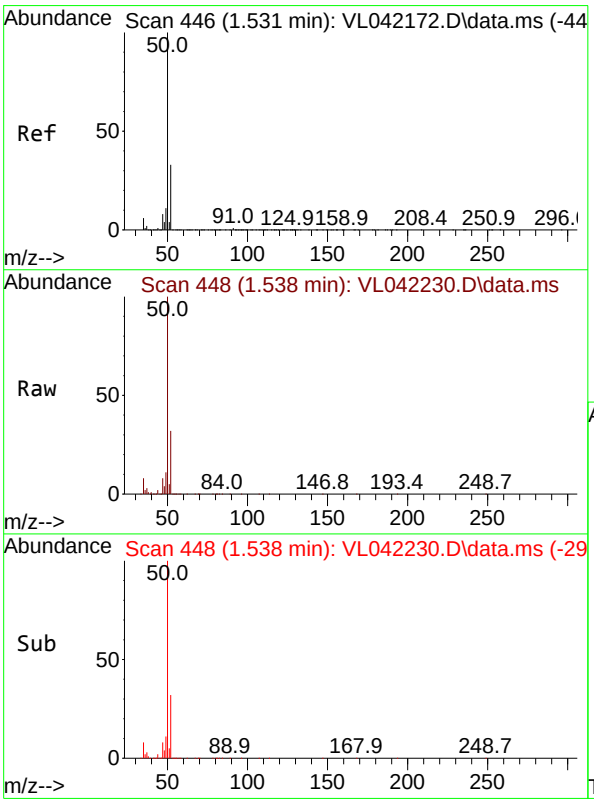
#3
Chlorodifluoromethane
Concen: 9.267 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 51 Resp: 276521

Ion	Ratio	Lower	Upper
51	100		
67	19.9	15.0	22.6

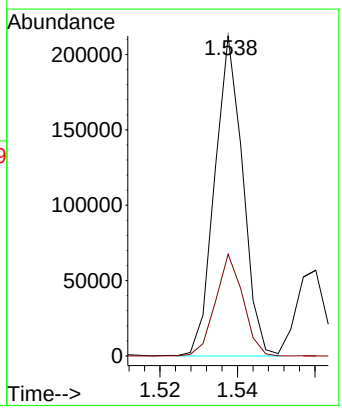


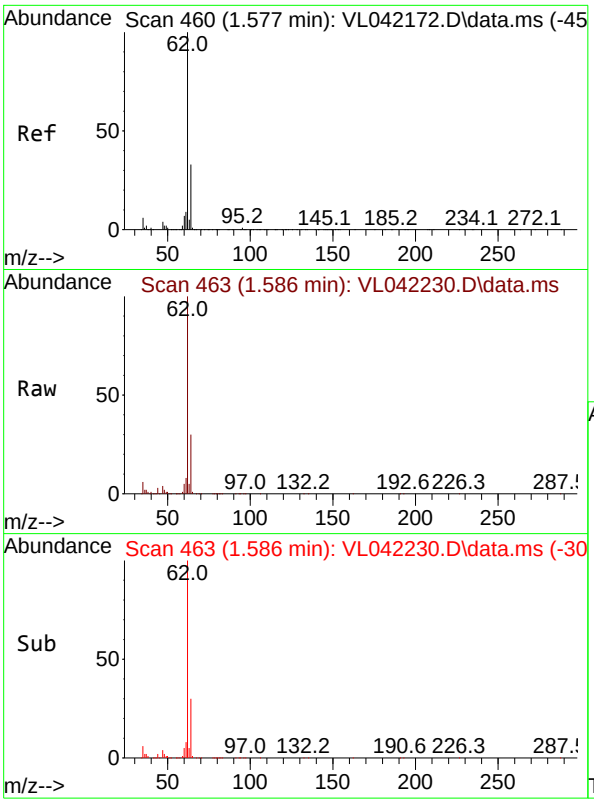


#4
Chloromethane
Concen: 8.944 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 50 Resp: 106766

Ion	Ratio	Lower	Upper
50	100		
52	31.8	26.1	39.1



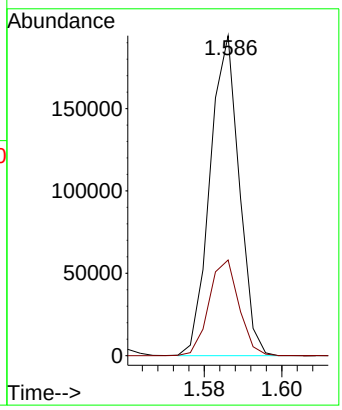


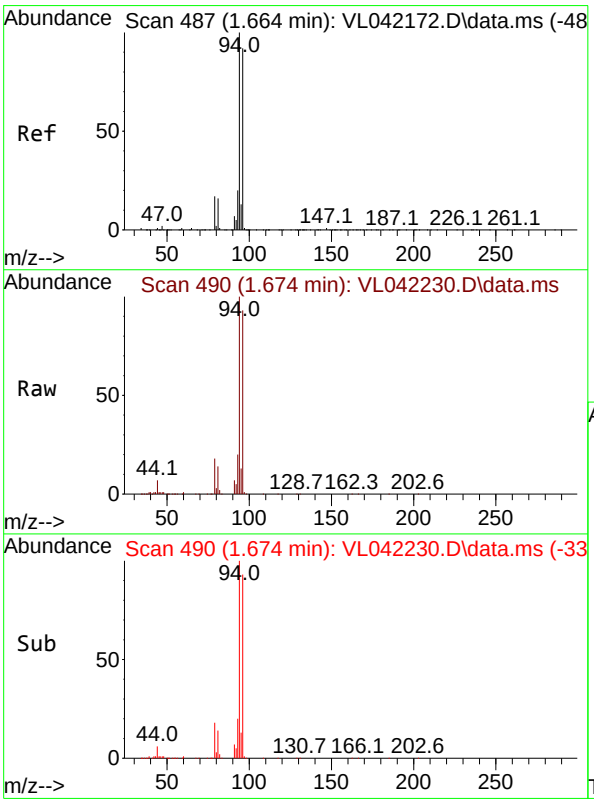
#5
Vinyl Chloride
Concen: 8.032 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 62 Resp: 101600

Ion	Ratio	Lower	Upper
62	100		
64	29.8	26.6	40.0

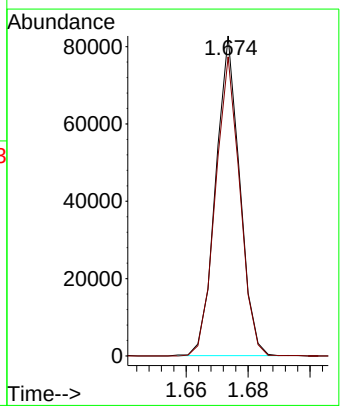


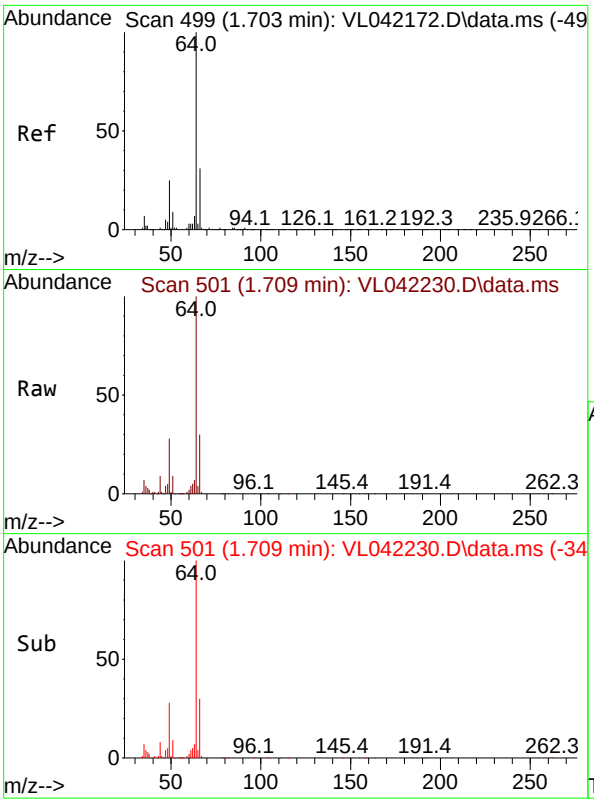


#6
Bromomethane
Concen: 8.215 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 94 Resp: 44439

Ion	Ratio	Lower	Upper
94	100		
96	93.6	73.1	109.7



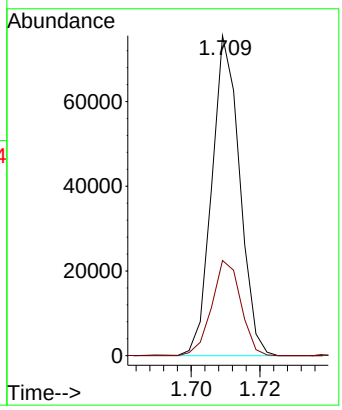


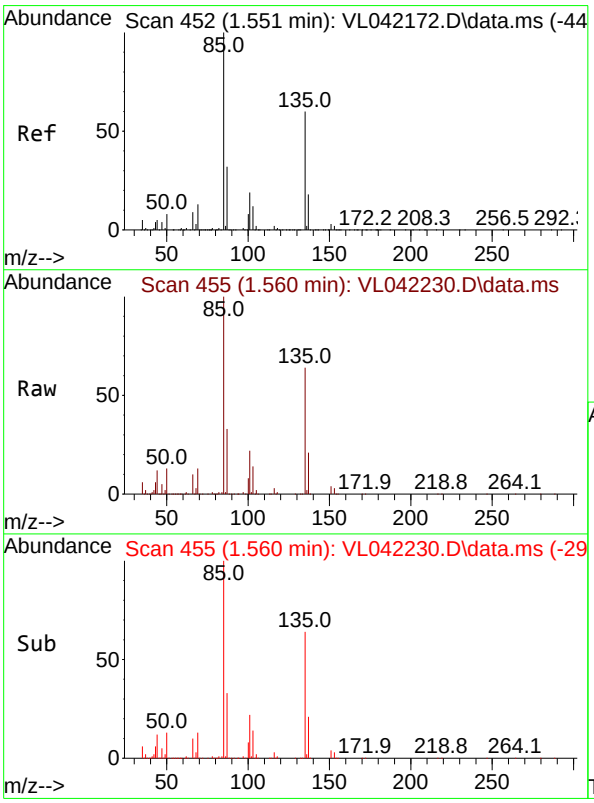
#7
Chloroethane
Concen: 8.861 ppbv
RT: 1.709 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 64 Resp: 42458

Ion	Ratio	Lower	Upper
64	100		
66	29.8	25.2	37.8

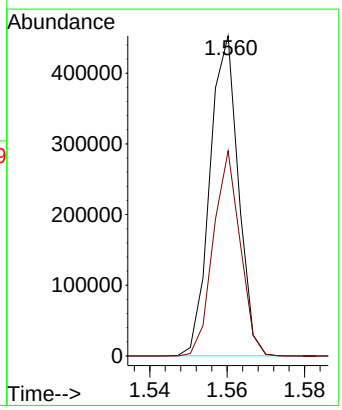


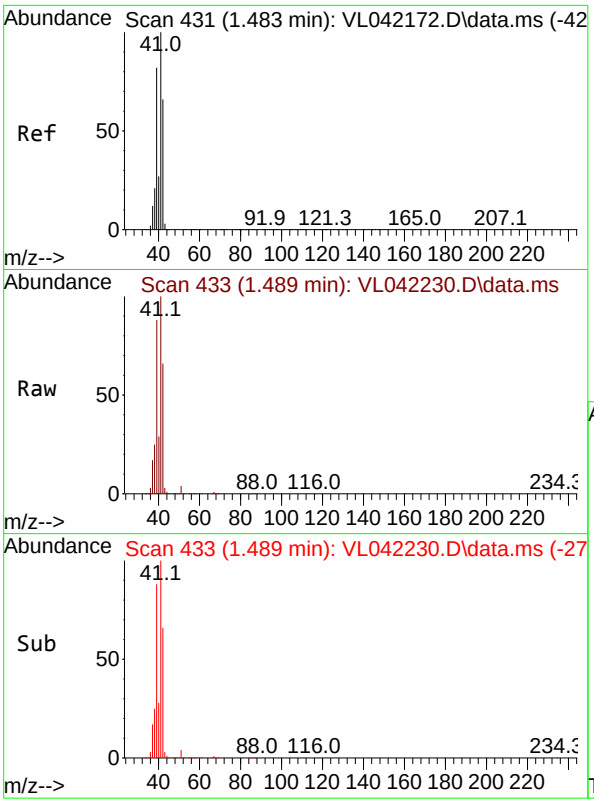


#8
Dichlorotetrafluoroethane
Concen: 9.266 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 85 Resp: 230477

Ion	Ratio	Lower	Upper
85	100		
135	60.5	52.4	78.6



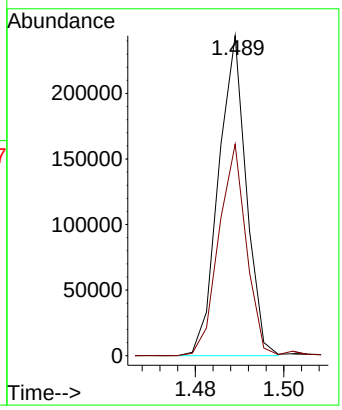


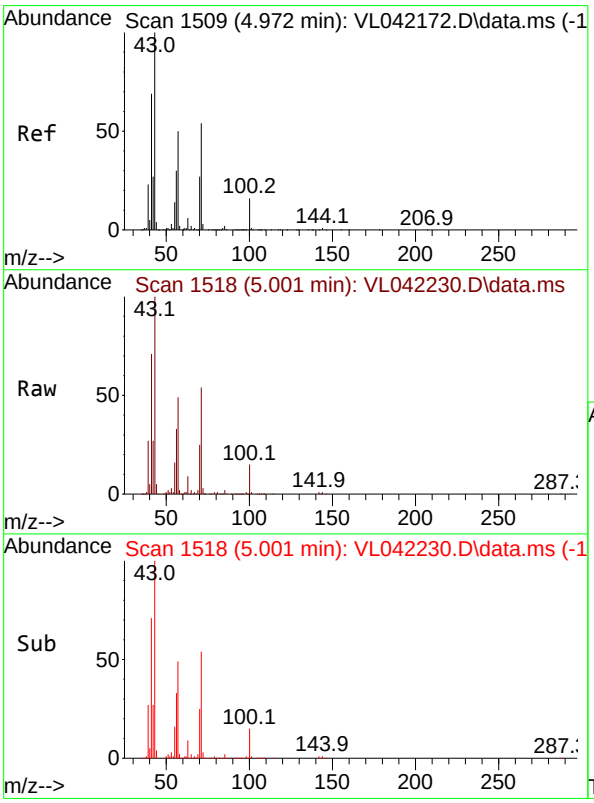
#9
Propene
Concen: 7.768 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 41 Resp: 106235

Ion	Ratio	Lower	Upper
41	100		
42	66.9	55.4	83.2

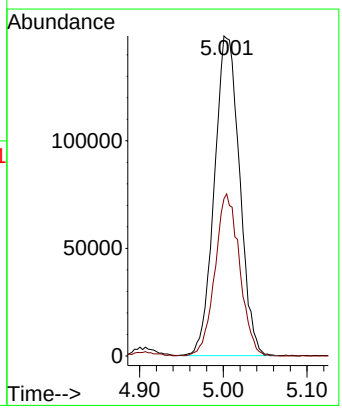


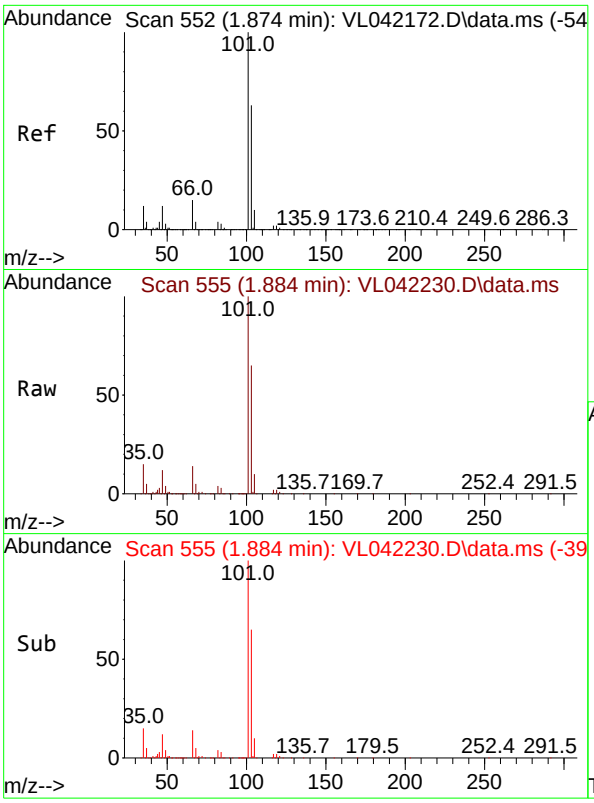


#10
Heptane
Concen: 8.550 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 311035

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.4	59.2



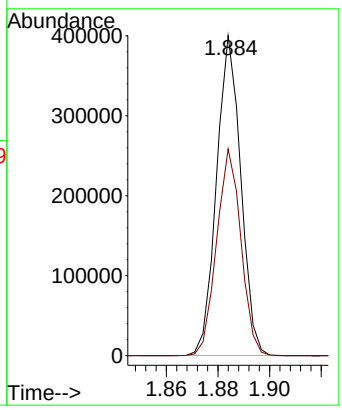


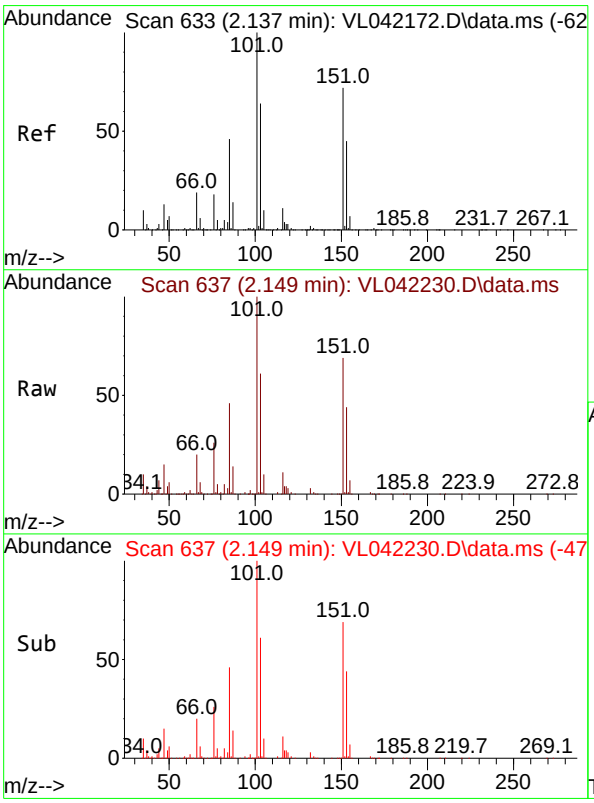
#11
Trichlorofluoromethane
Concen: 9.175 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:101 Resp: 260770

Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.2	75.2

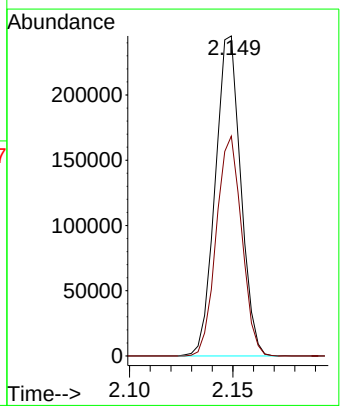


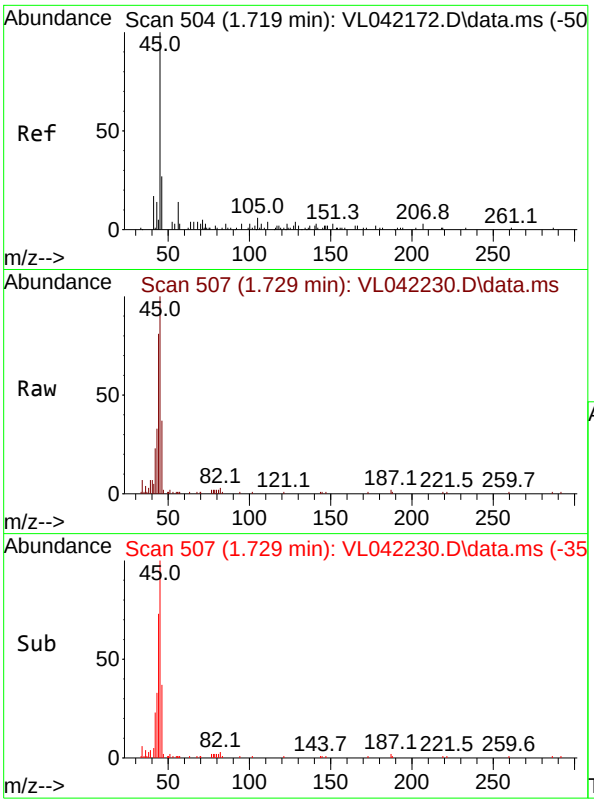


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.006 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:101 Resp: 210391

Ion	Ratio	Lower	Upper
101	100		
151	68.4	57.1	85.7



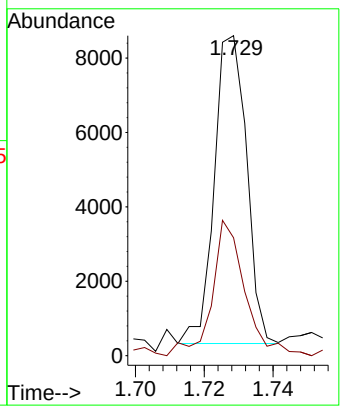


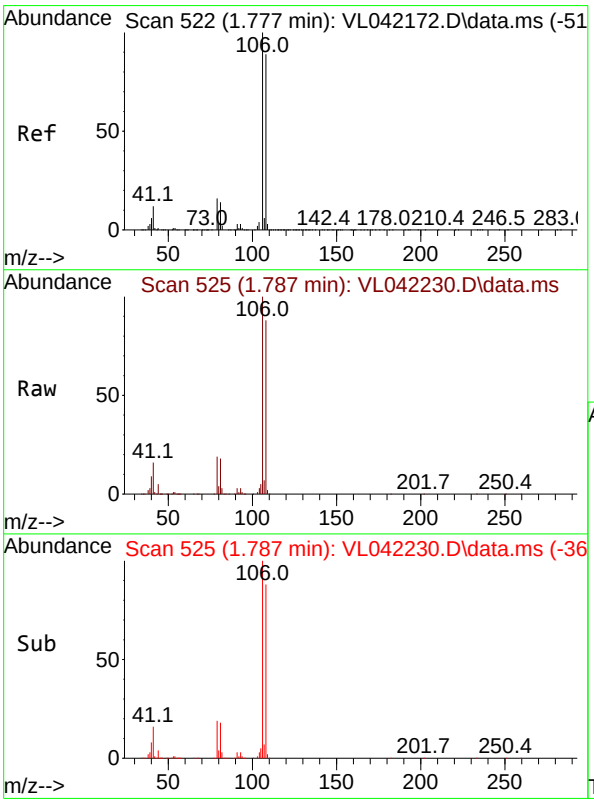
#13
Ethanol
Concen: 4.172 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 45 Resp: 5394

Ion	Ratio	Lower	Upper
45	100		
46	48.4	20.2	80.8

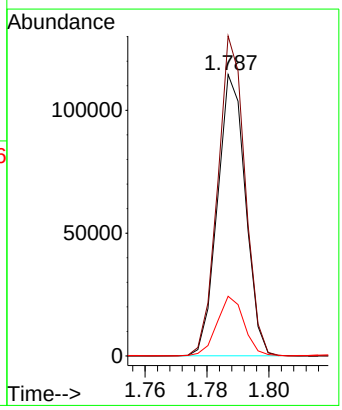


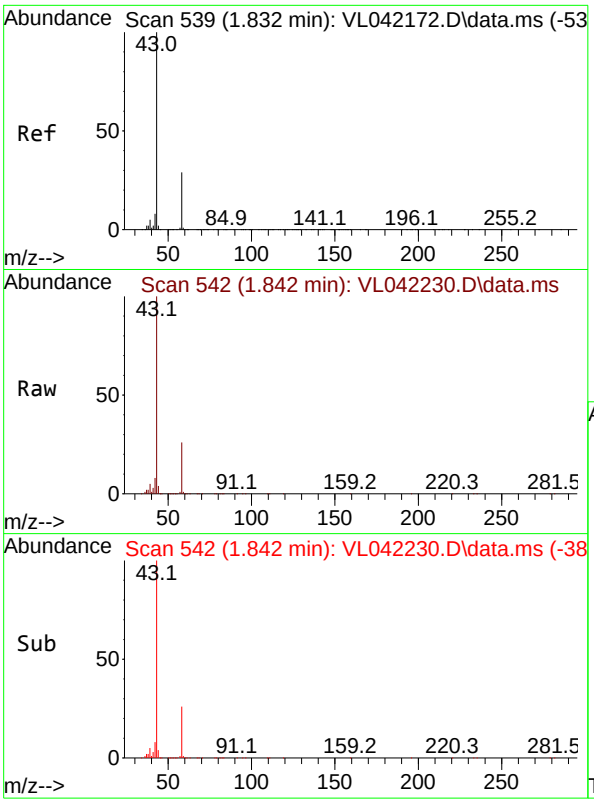


#14
Bromoethene
Concen: 8.016 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:108 Resp: 71737

Ion	Ratio	Lower	Upper
108	100		
106	111.4	86.8	130.2
79	21.4	15.0	22.6



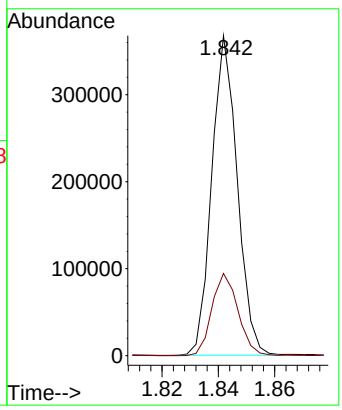


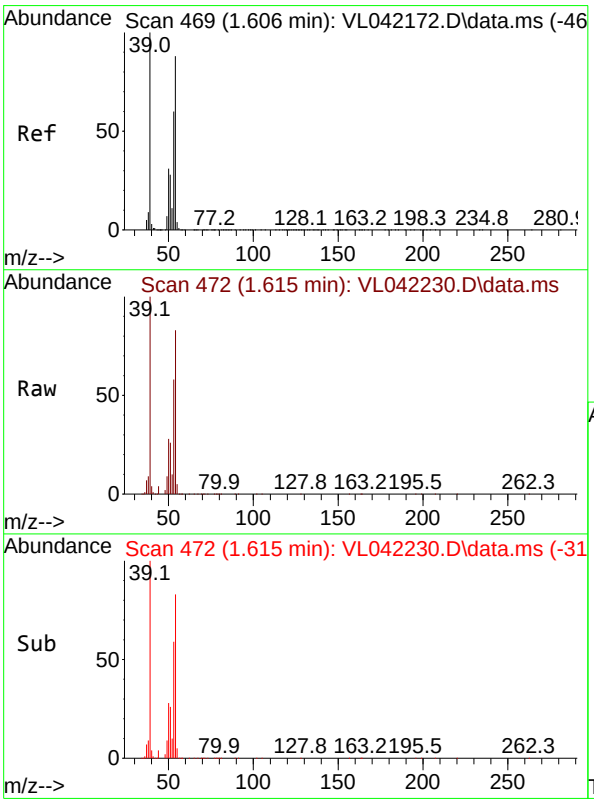
#15
Acetone
Concen: 8.330 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 43 Resp: 230460

Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.2	34.8

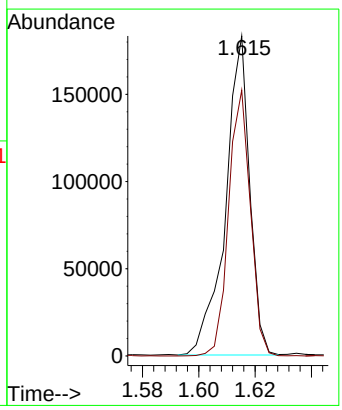


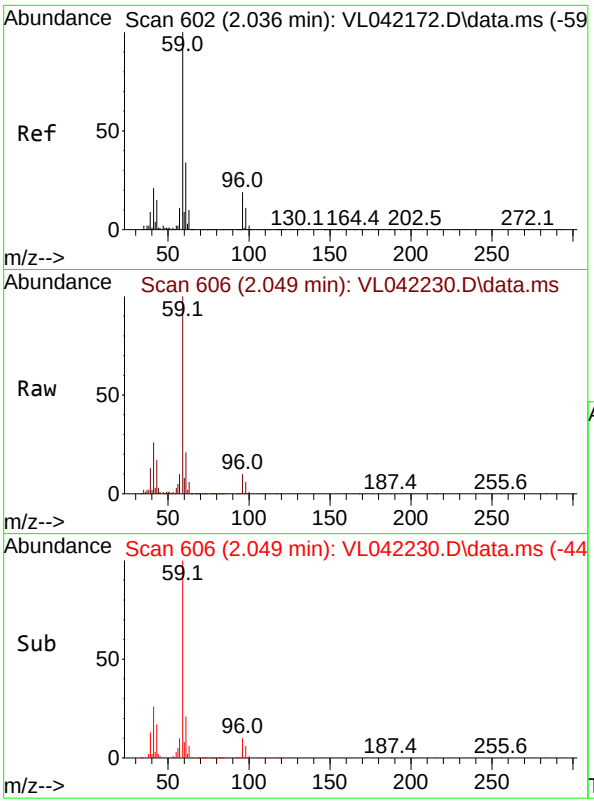


#16
1,3-Butadiene
Concen: 8.090 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 39 Resp: 109306

Ion	Ratio	Lower	Upper
39	100		
54	74.7	60.7	91.1



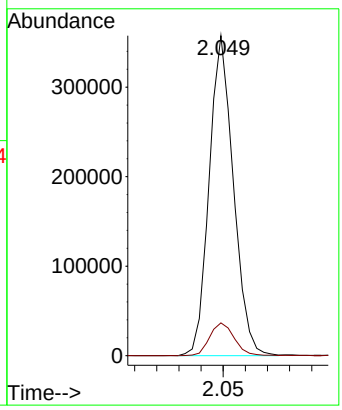


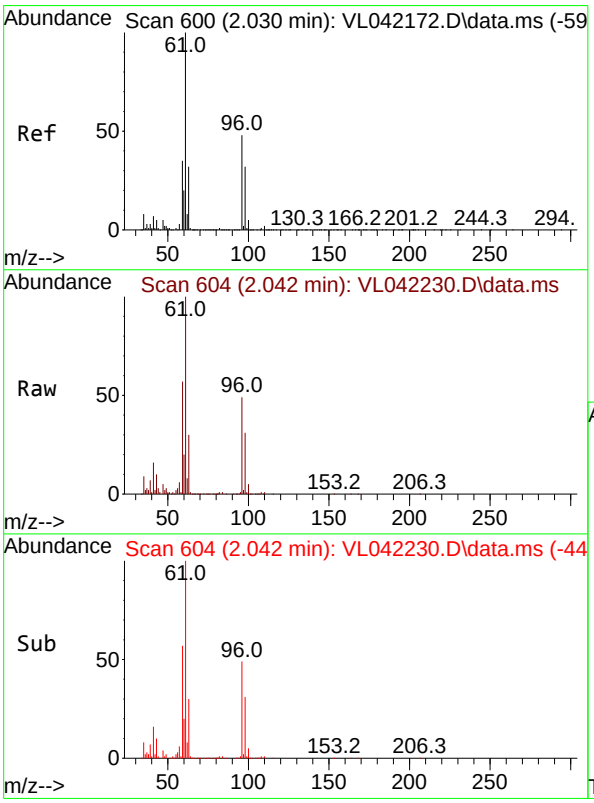
#17
tert-Butyl alcohol
Concen: 7.879 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 59 Resp: 271487

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.9	13.3

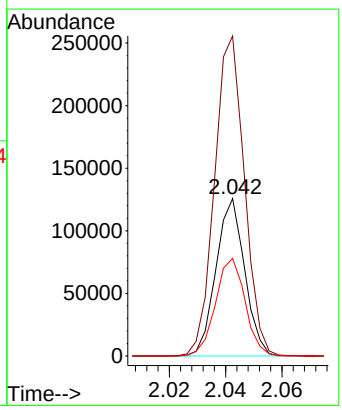


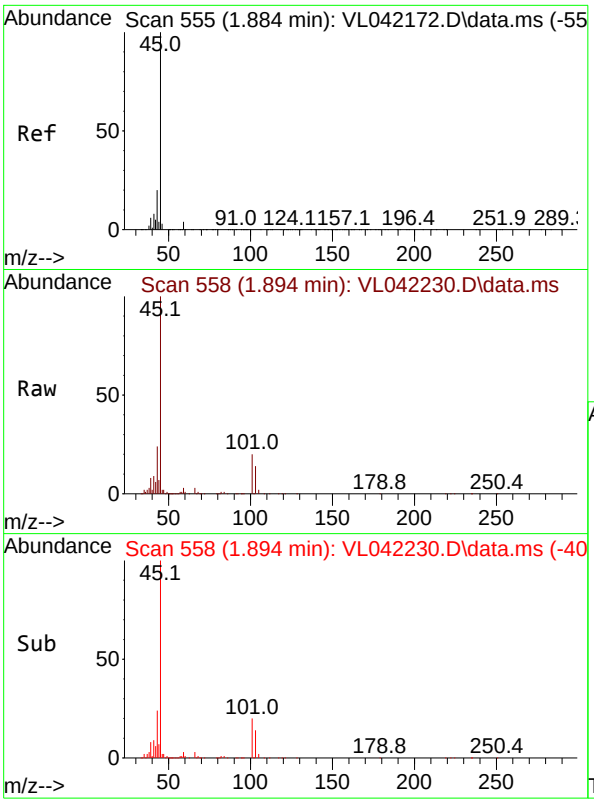


#18
1,1-Dichloroethene
Concen: 8.125 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 96 Resp: 88728

Ion	Ratio	Lower	Upper
96	100		
61	203.0	167.6	251.4
98	62.0	53.5	80.3



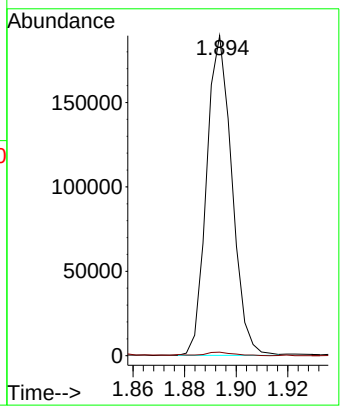


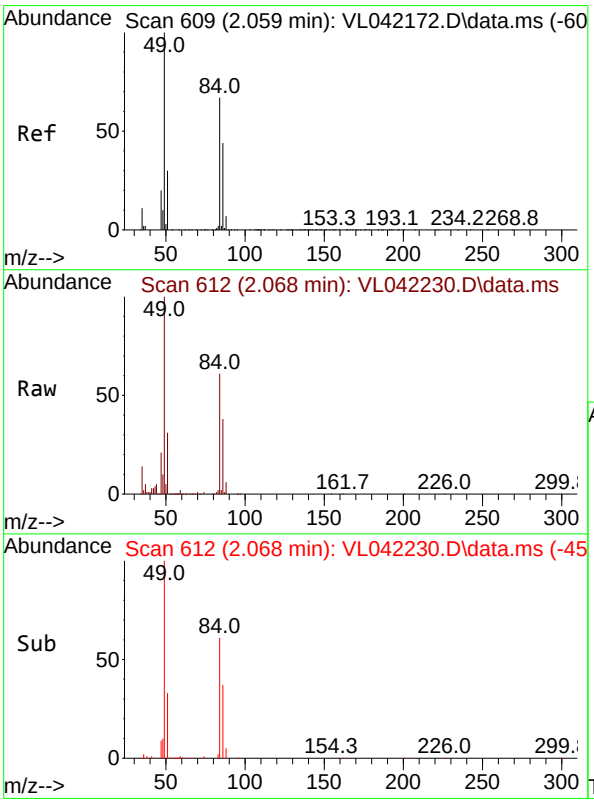
#19
Isopropyl Alcohol
Concen: 8.272 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 45 Resp: 129131

Ion	Ratio	Lower	Upper
45	100		
58	47.5	36.9	55.3

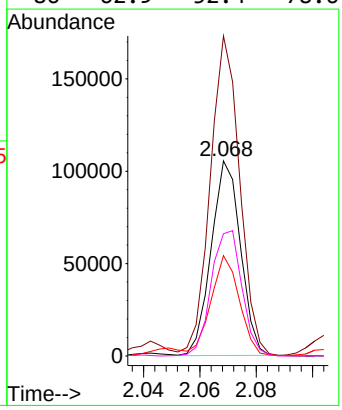


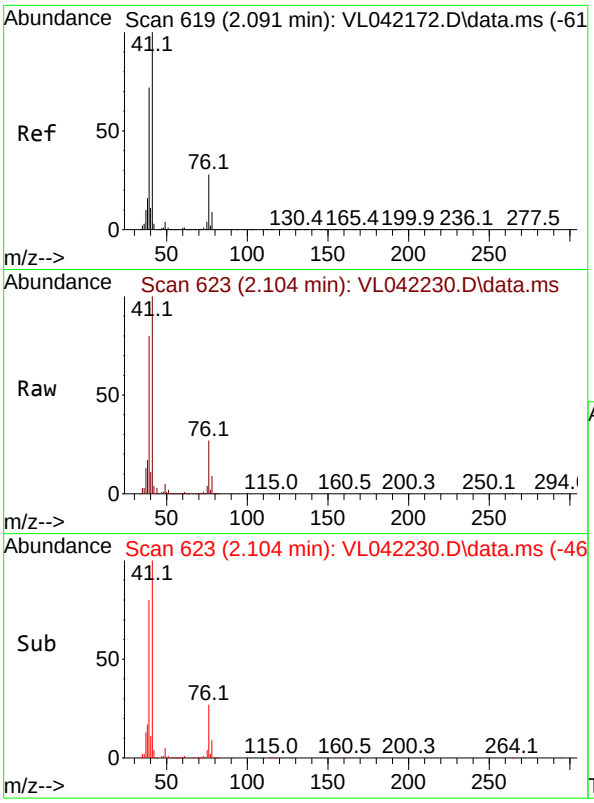


#20
Methylene Chloride
Concen: 7.391 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 84 Resp: 76153

Ion	Ratio	Lower	Upper
84	100		
49	164.4	120.2	180.4
51	51.4	37.4	56.0
86	62.9	52.4	78.6



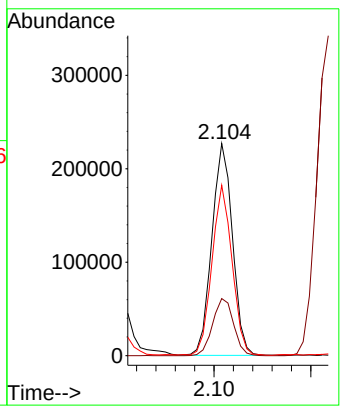


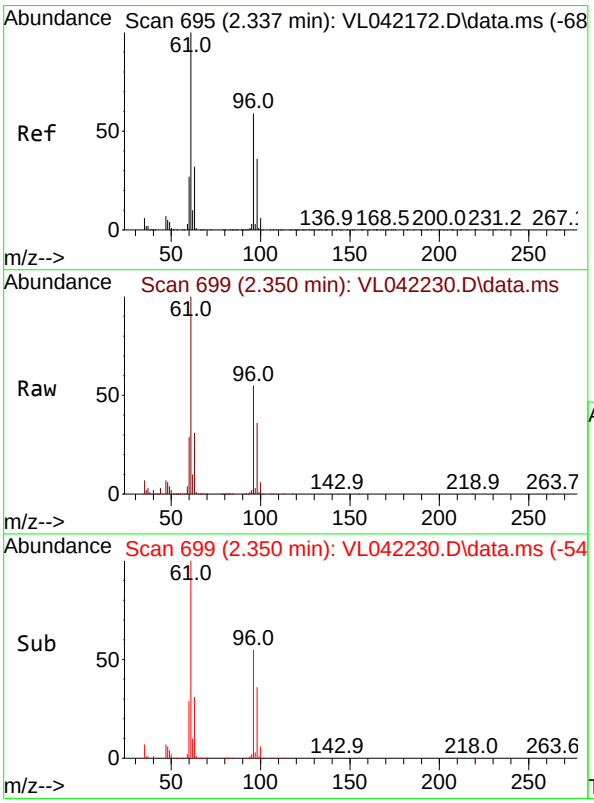
#21
Allyl Chloride
Concen: 8.576 ppbv
RT: 2.104 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 41 Resp: 167334

Ion	Ratio	Lower	Upper
41	100		
76	27.4	24.1	36.1
39	77.4	61.1	91.7

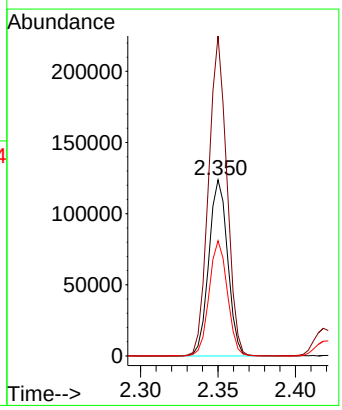


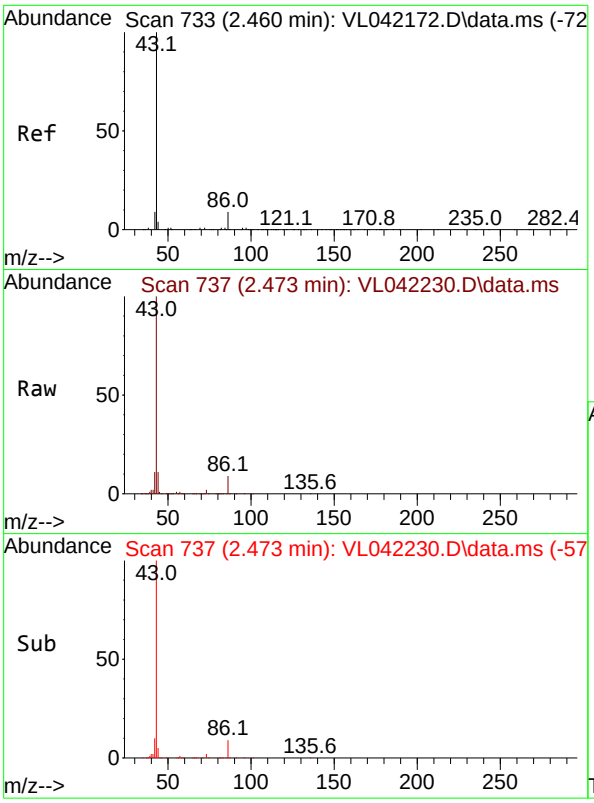


#22
trans-1,2-Dichloroethene
Concen: 8.275 ppbv
RT: 2.350 min Scan# 699
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 96 Resp: 104449

Ion	Ratio	Lower	Upper
96	100		
61	181.6	136.6	204.8
98	65.4	49.4	74.2



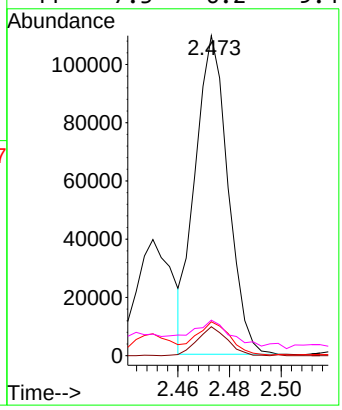


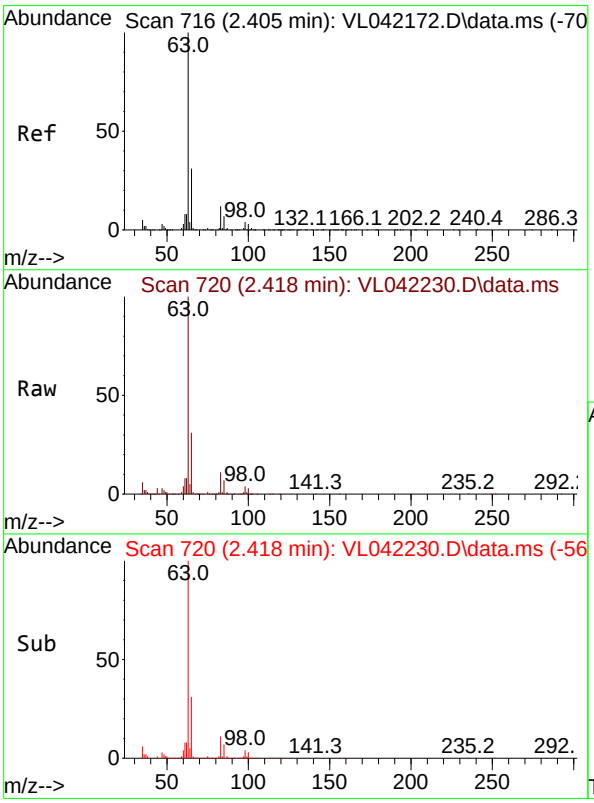
#23
Vinyl Acetate
Concen: 8.050 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 43 Resp: 96391

Ion	Ratio	Lower	Upper
43	100		
86	8.8	5.5	8.3#
42	10.3	8.6	13.0
44	7.3	6.2	9.4

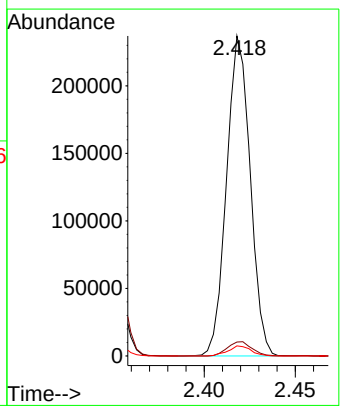


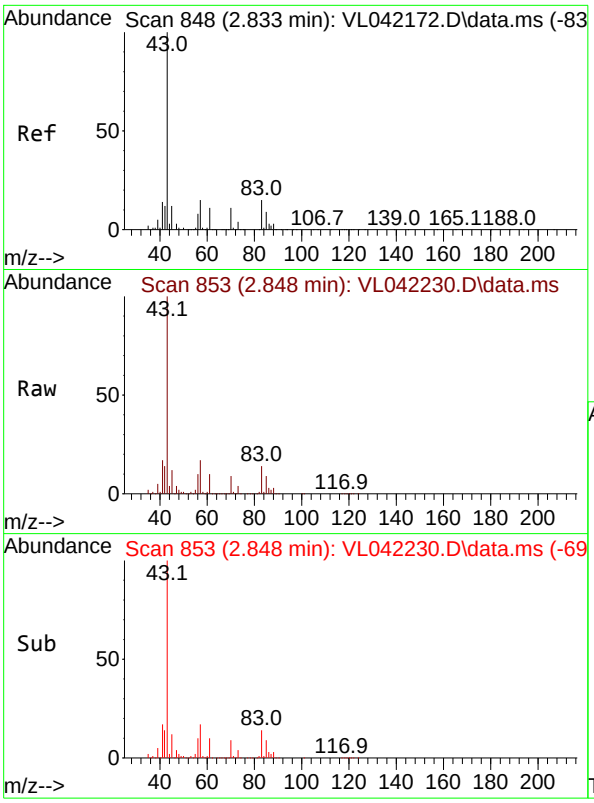


#24
1,1-Dichloroethane
Concen: 9.152 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 63 Resp: 214121

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.8
100	3.2	1.6	4.7



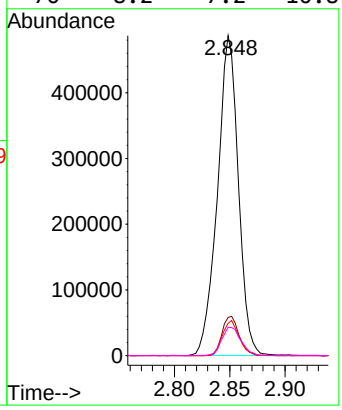


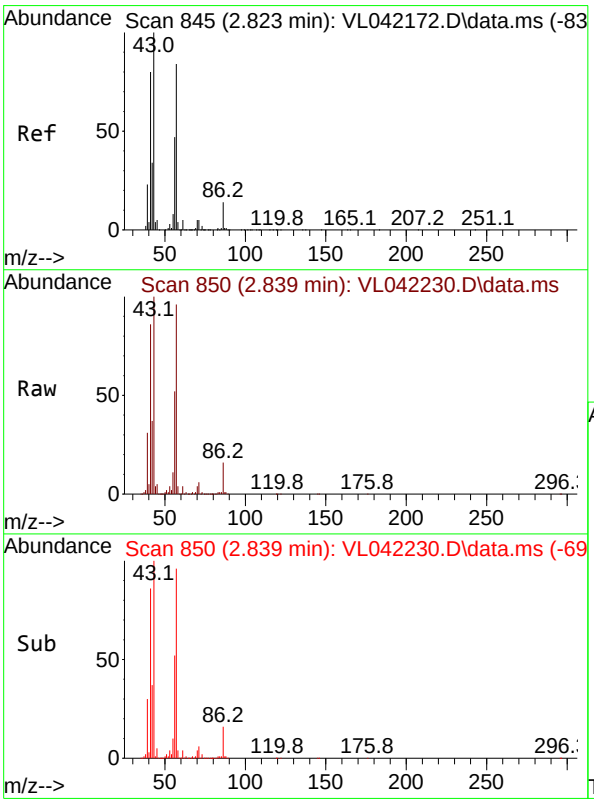
#25
Ethyl Acetate
Concen: 8.902 ppbv
RT: 2.848 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 43 Resp: 639210

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	8.9	7.3	10.9
70	8.2	7.2	10.8

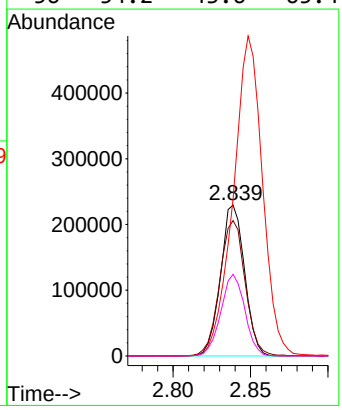


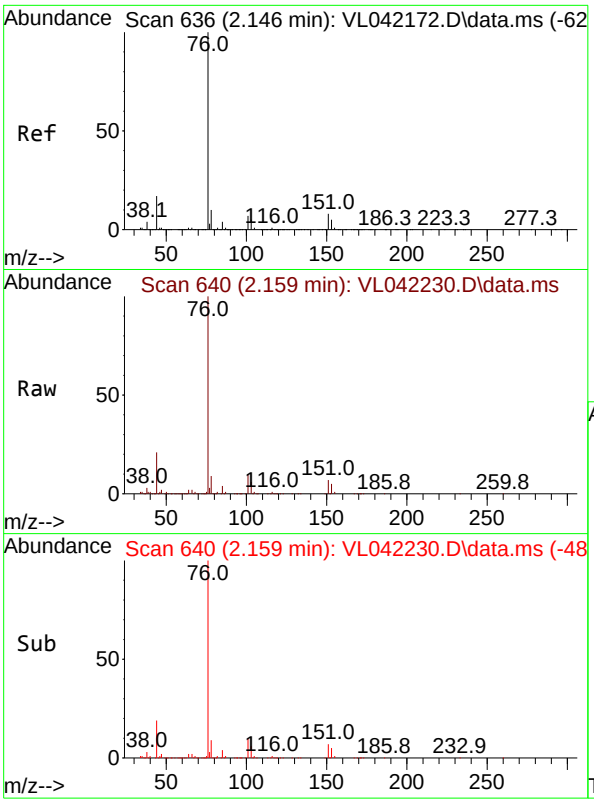


#26
Hexane
Concen: 8.897 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 57 Resp: 246755

Ion	Ratio	Lower	Upper
57	100		
41	96.1	76.6	114.8
43	259.7	207.8	311.8
56	54.2	43.6	65.4



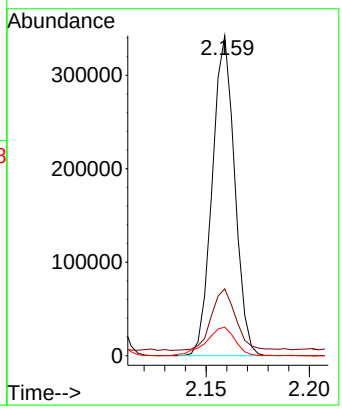


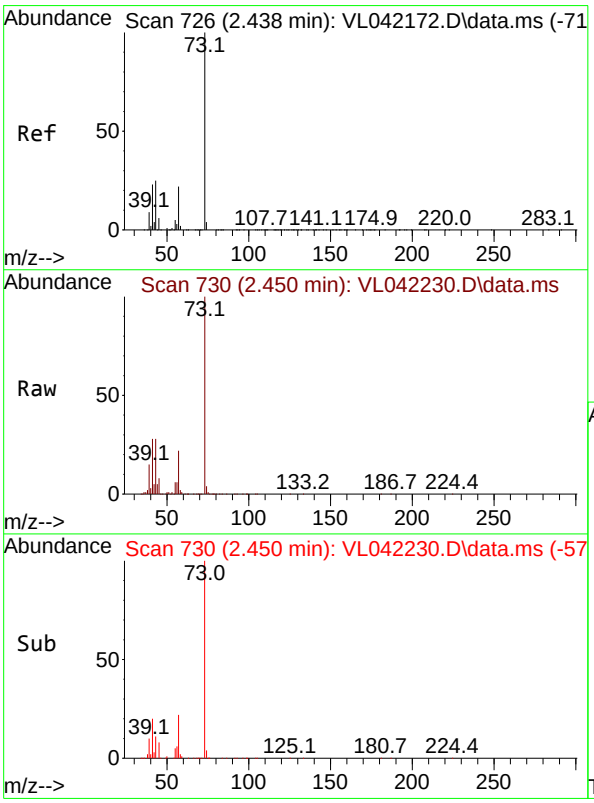
#27
Carbon Disulfide
Concen: 8.689 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 76 Resp: 258412

Ion	Ratio	Lower	Upper
76	100		
44	20.9	14.7	22.1
78	11.5	9.3	13.9

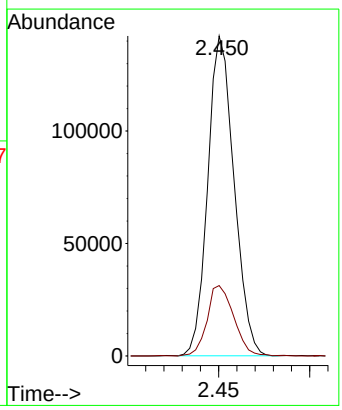


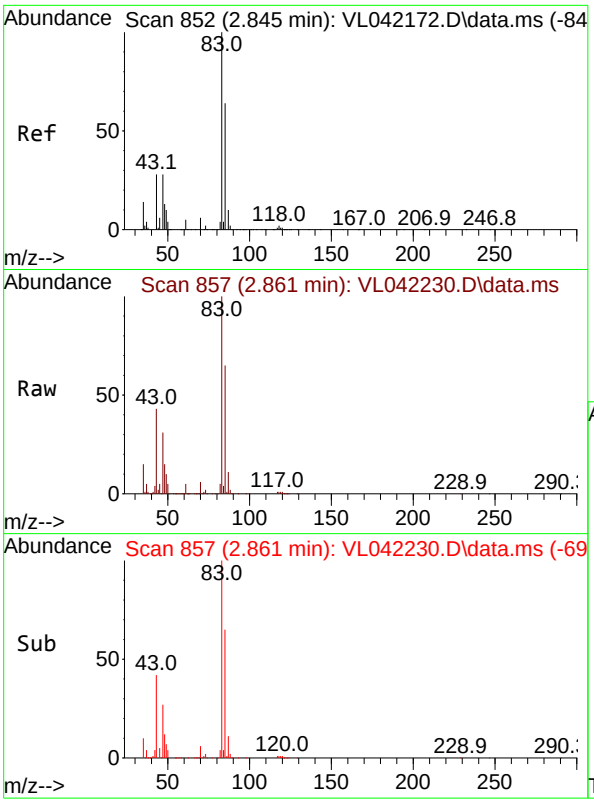


#28
Methyl tert-Butyl Ether
Concen: 8.259 ppbv
RT: 2.450 min Scan# 730
Delta R.T. 0.013 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 73 Resp: 142610

Ion	Ratio	Lower	Upper
73	100		
57	22.4	20.5	30.7



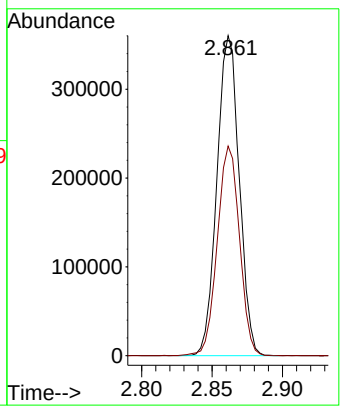


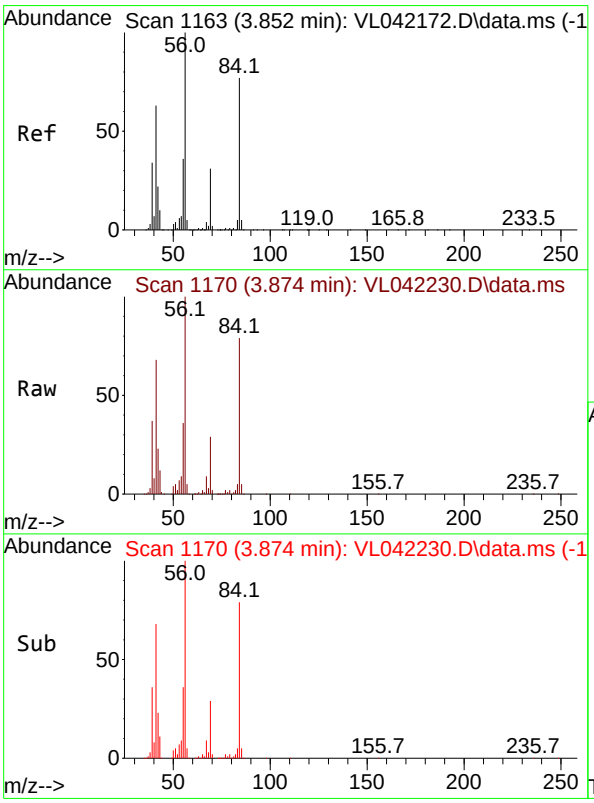
#29
Chloroform
Concen: 9.793 ppbv
RT: 2.861 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 83 Resp: 397517

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2

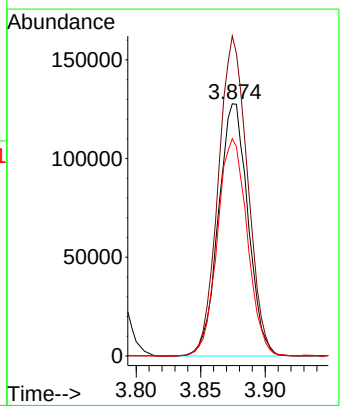


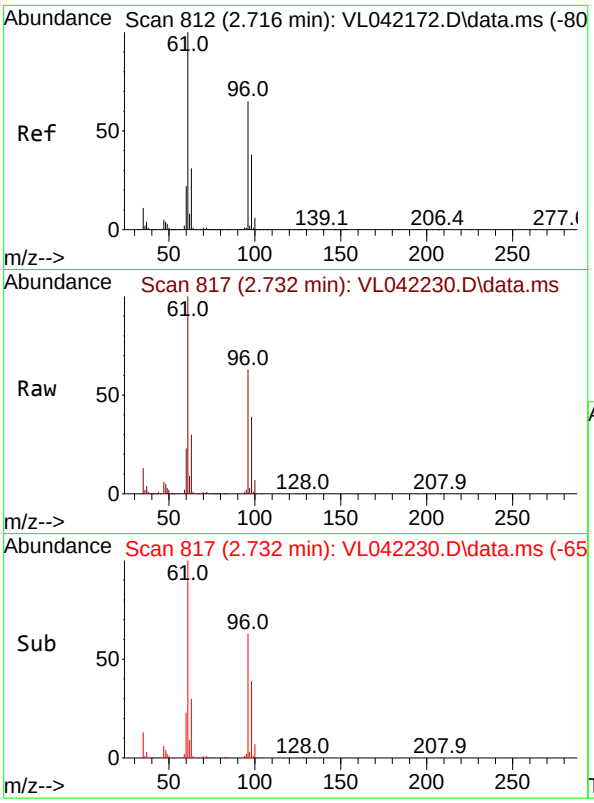


#30
Cyclohexane
Concen: 8.451 ppbv
RT: 3.874 min Scan# 1170
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 84 Resp: 203521

Ion	Ratio	Lower	Upper
84	100		
56	125.0	102.8	154.2
41	86.8	66.5	99.7



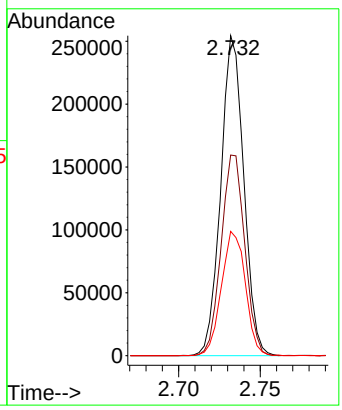


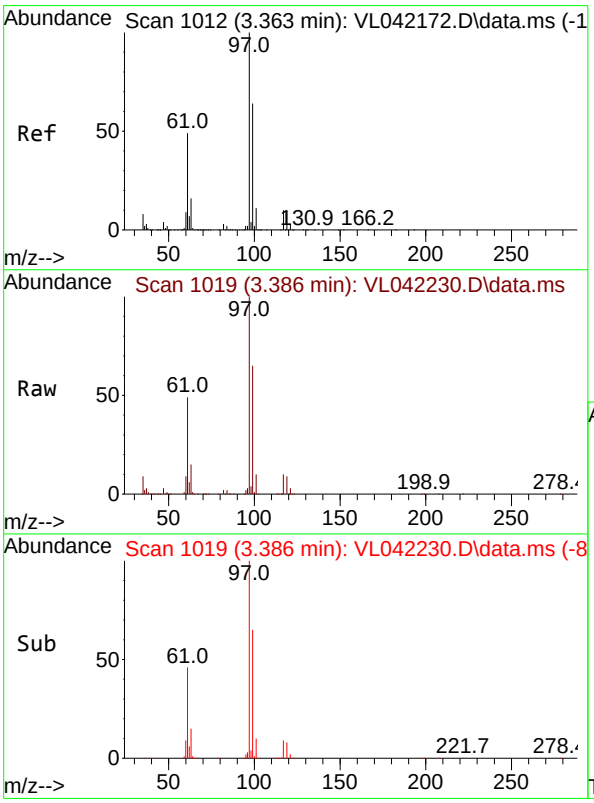
#31
cis-1,2-Dichloroethene
Concen: 8.864 ppbv
RT: 2.732 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 61 Resp: 249591

Ion	Ratio	Lower	Upper
61	100		
96	62.7	51.8	77.8
98	38.8	30.6	46.0

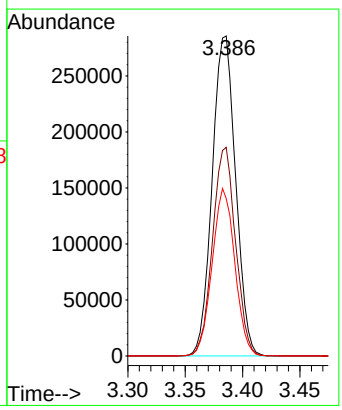


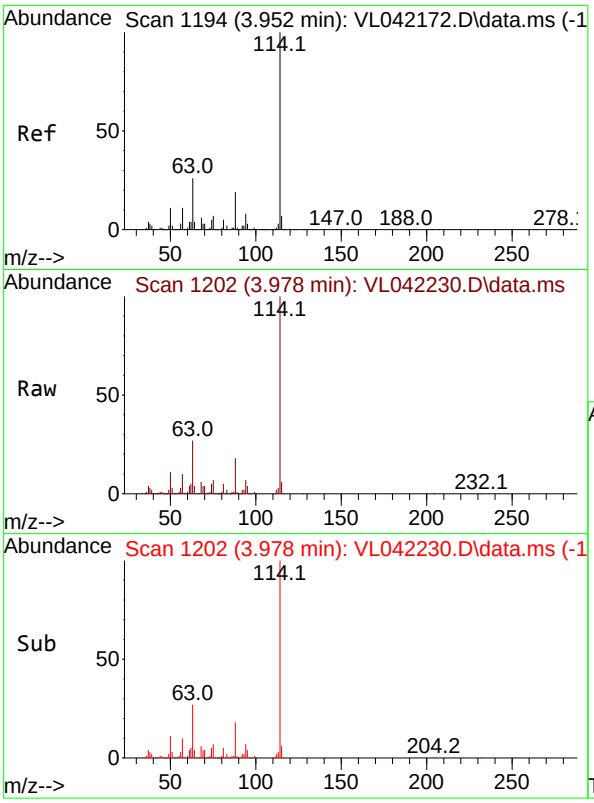


#32
1,1,1-Trichloroethane
Concen: 8.739 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 97 Resp: 406124

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.5	77.3
61	50.7	38.7	58.1



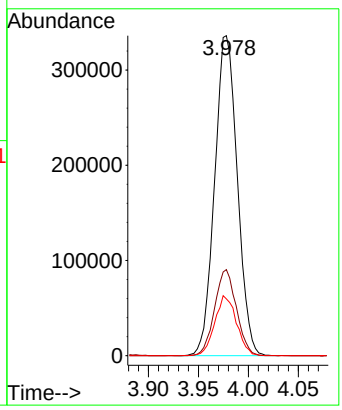


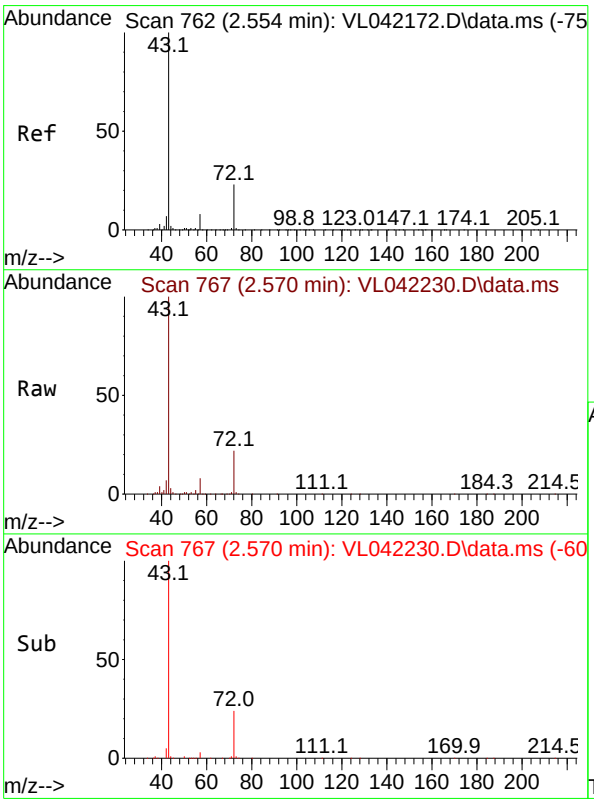
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:114 Resp: 531347

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.0	15.0	22.4

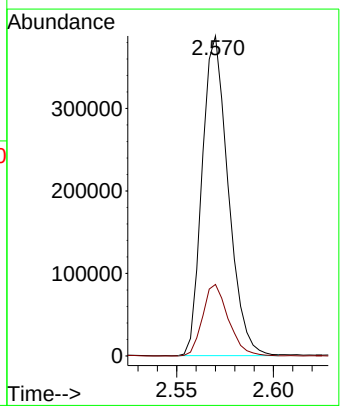


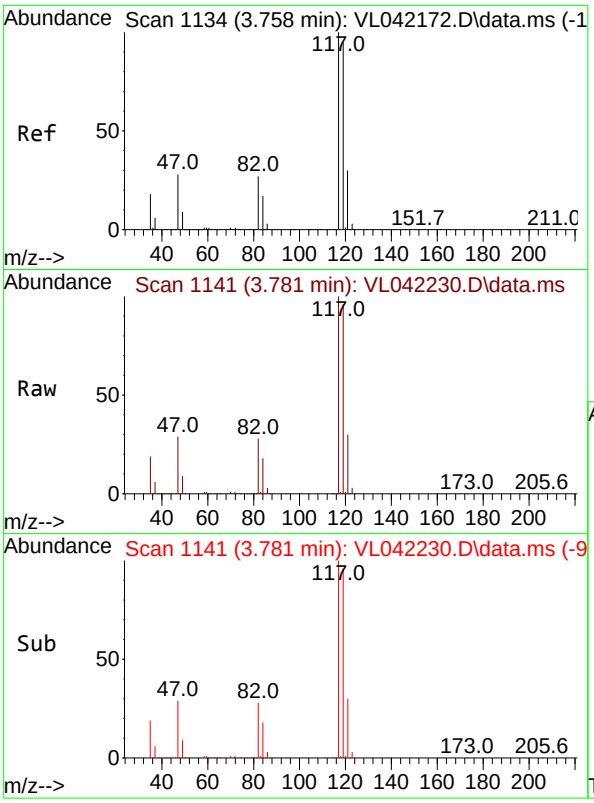


#34
2-Butanone
Concen: 9.420 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 362939

Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.2	27.2



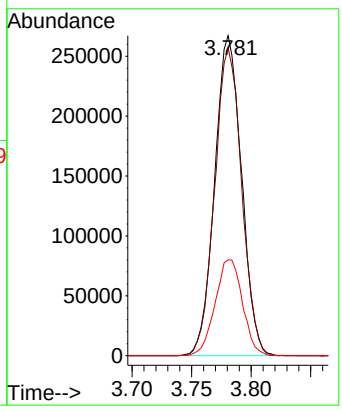


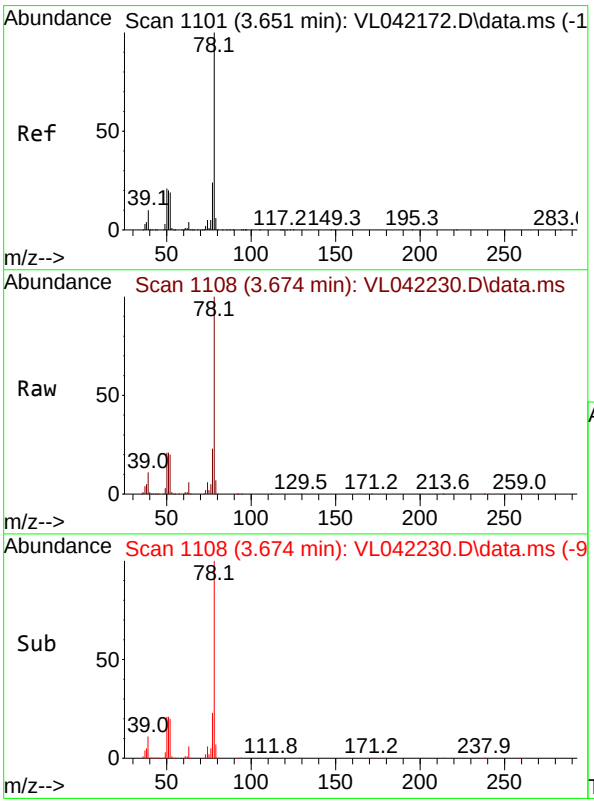
#35
Carbon Tetrachloride
Concen: 10.079 ppbv
RT: 3.781 min Scan# 11
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:117 Resp: 418362

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.2	114.2
121	29.9	24.2	36.4

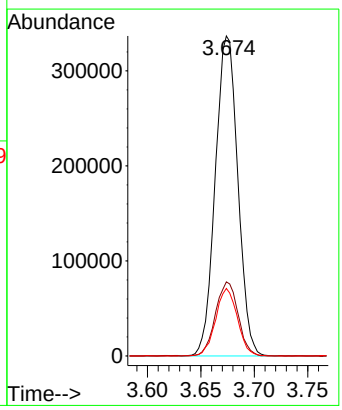


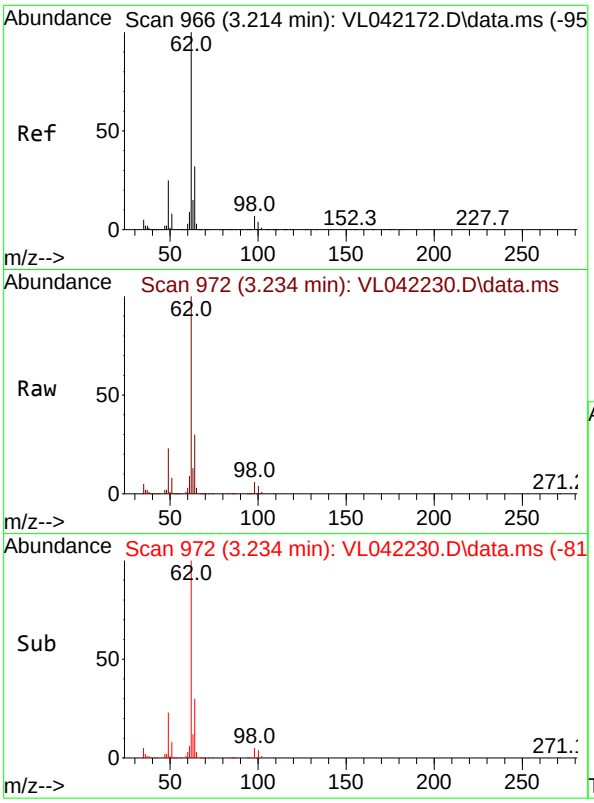


#36
Benzene
Concen: 9.382 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 78 Resp: 494216

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7
50	21.1	16.6	24.8



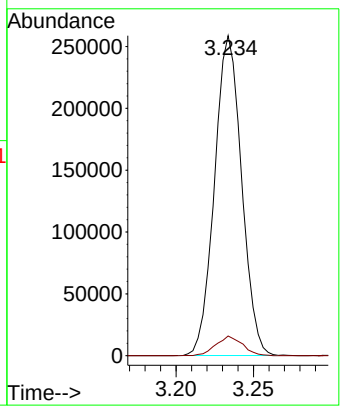


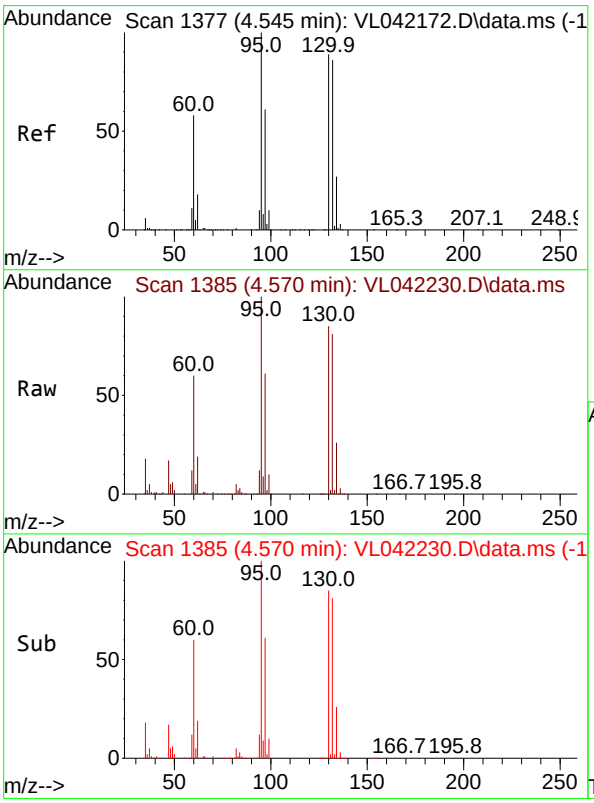
#37
1,2-Dichloroethane
Concen: 10.424 ppbv
RT: 3.234 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 62 Resp: 314377

Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.4	8.2

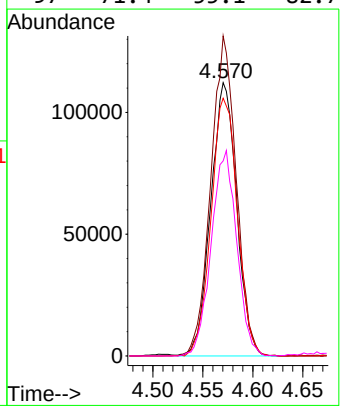


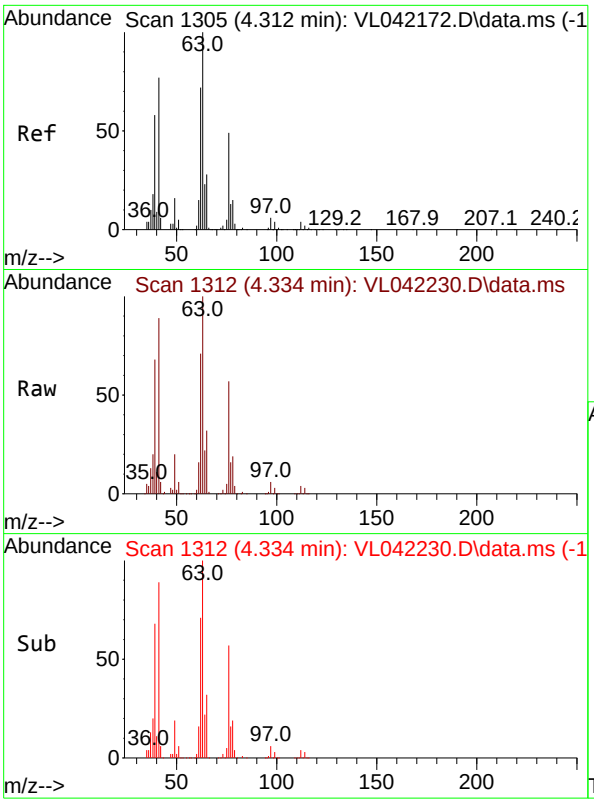


#38
Trichloroethene
Concen: 9.217 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:130 Resp: 202575

Ion	Ratio	Lower	Upper
130	100		
95	117.1	89.8	134.8
132	94.3	77.4	116.2
97	71.4	55.1	82.7



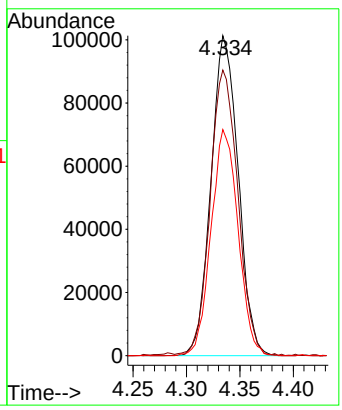


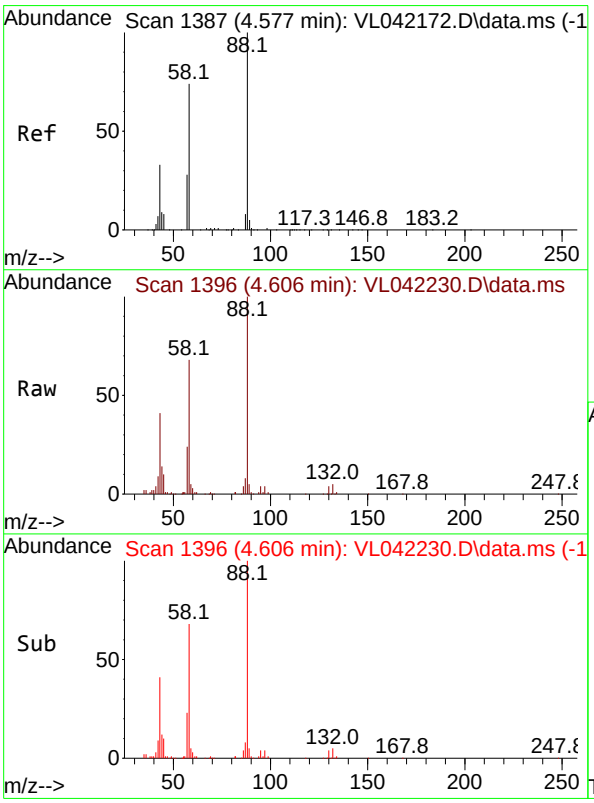
#39
1,2-Dichloropropane
Concen: 9.356 ppbv
RT: 4.334 min Scan# 1
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 63 Resp: 179485

Ion	Ratio	Lower	Upper
63	100		
41	89.1	61.7	92.5
62	70.5	57.6	86.4

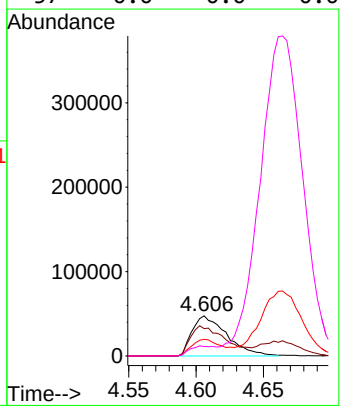


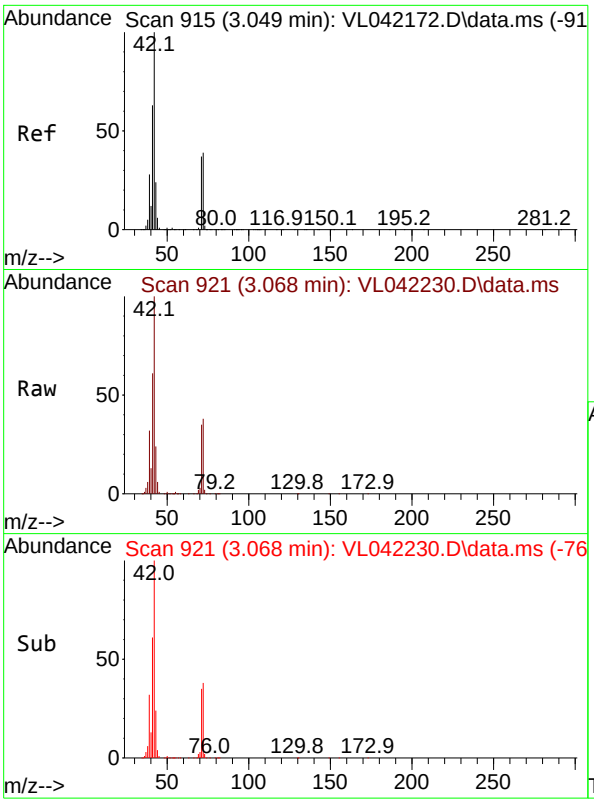


#40
1,4-Dioxane
Concen: 8.358 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 88 Resp: 85103

Ion	Ratio	Lower	Upper
88	100		
58	75.6	62.7	94.1
43	37.4	23.0	34.4#
57	0.0	0.0	0.0



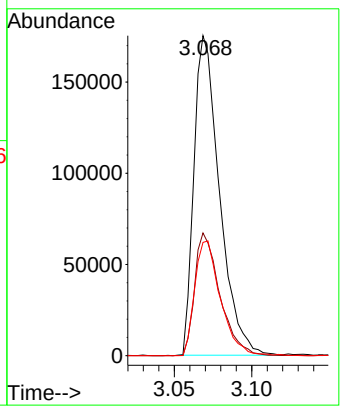


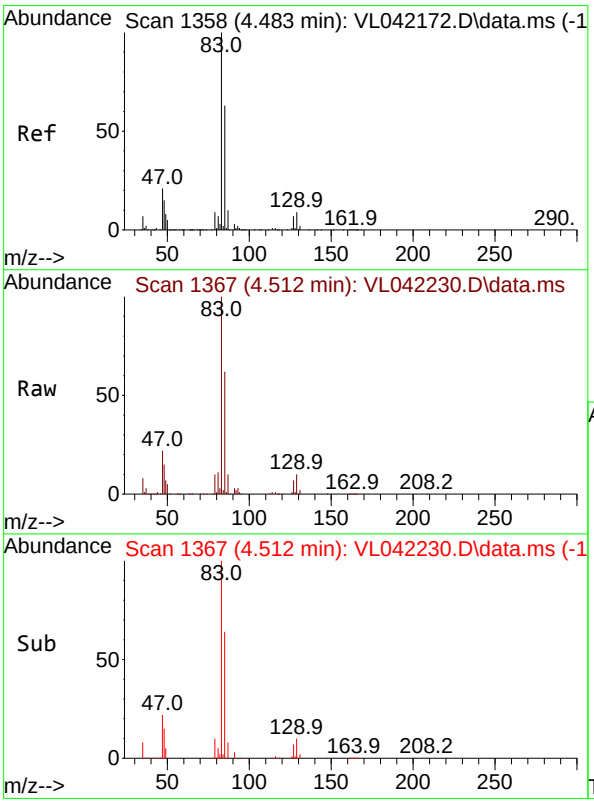
#41
Tetrahydrofuran
Concen: 9.071 ppbv
RT: 3.068 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 42 Resp: 201260

Ion	Ratio	Lower	Upper
42	100		
72	37.8	31.4	47.0
71	36.3	30.2	45.4

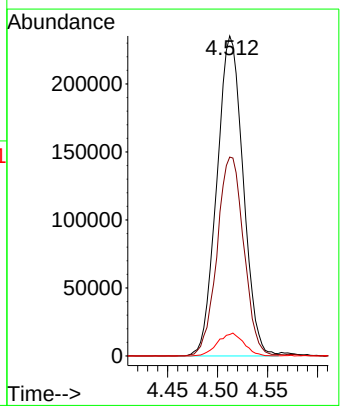


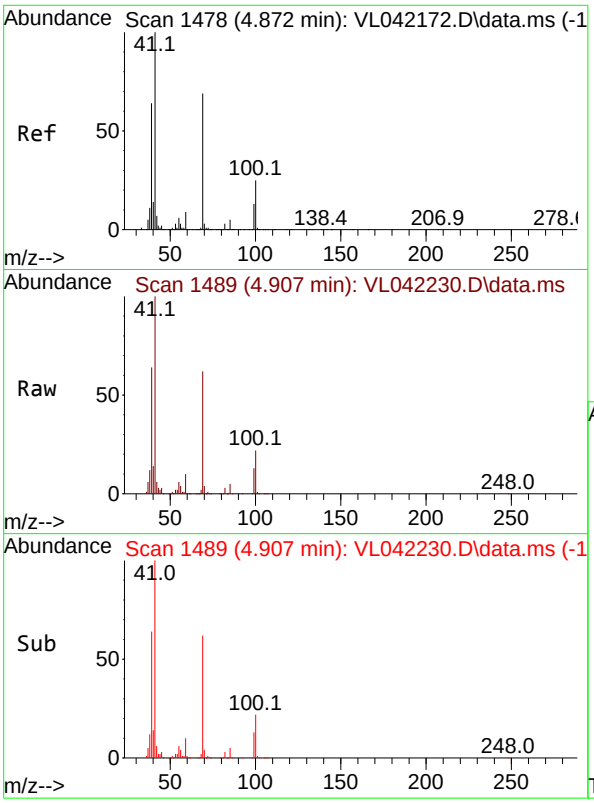


#42
Bromodichloromethane
Concen: 10.361 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 83 Resp: 430763

Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.5	75.7
127	6.7	5.9	8.9



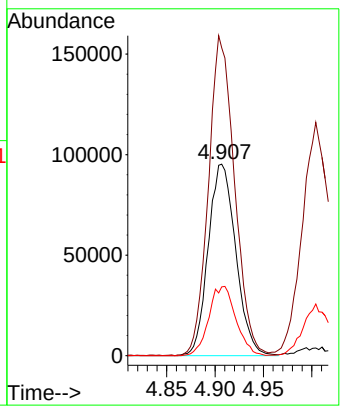


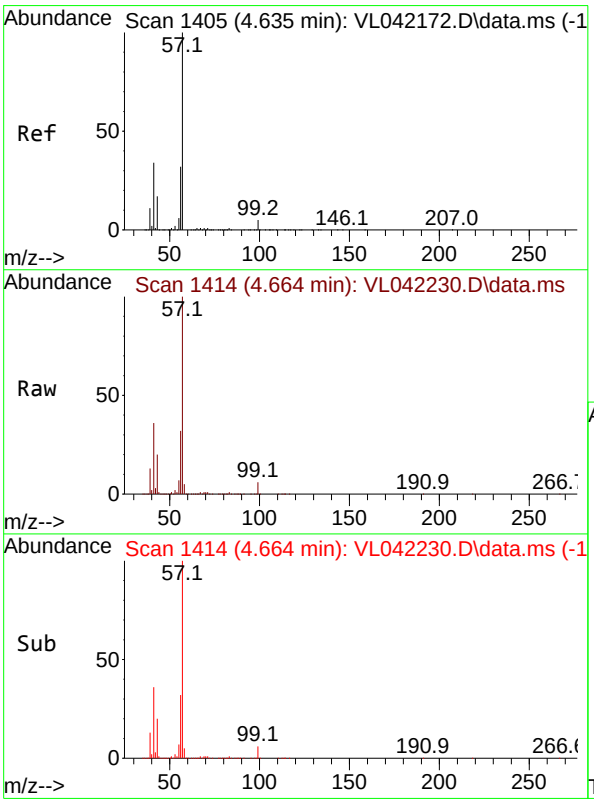
#43
Methyl Methacrylate
Concen: 8.470 ppbv
RT: 4.907 min Scan# 14
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 69 Resp: 188872

Ion	Ratio	Lower	Upper
69	100		
41	158.5	123.8	185.6
100	35.6	28.4	42.6

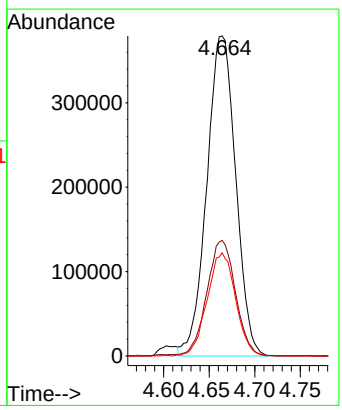


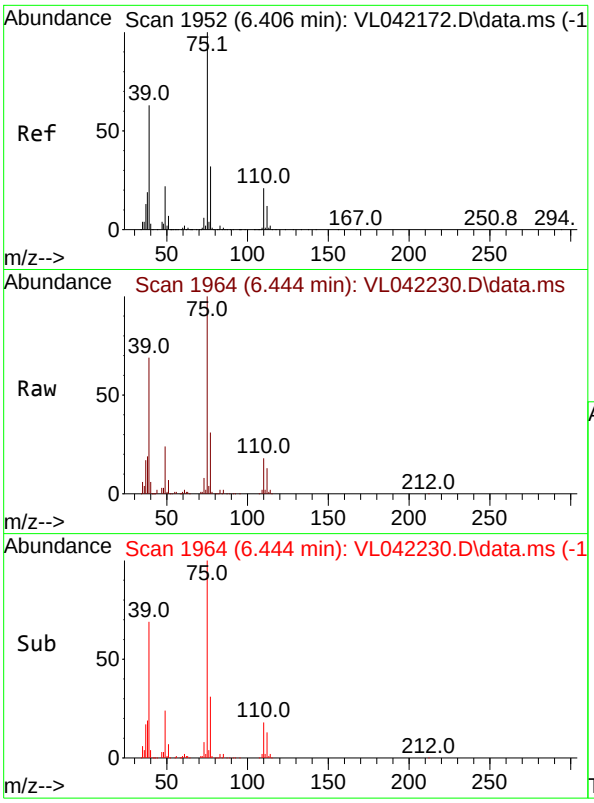


#44
2,2,4-Trimethylpentane
Concen: 9.414 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 57 Resp: 838005

Ion	Ratio	Lower	Upper
57	100		
41	36.2	26.8	40.2
56	31.7	25.6	38.4



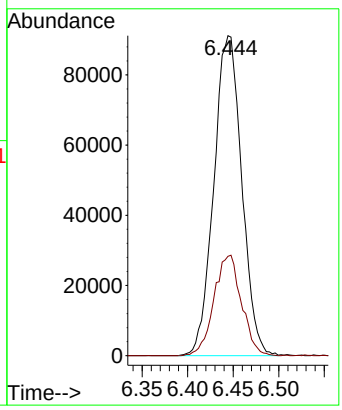


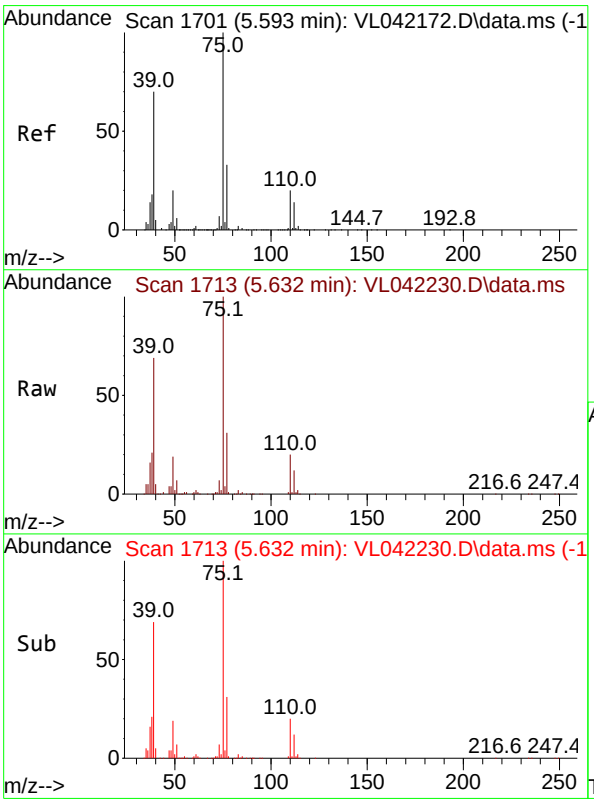
#45
t-1,3-Dichloropropene
Concen: 8.130 ppbv
RT: 6.444 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 75 Resp: 194507

Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.0	39.0

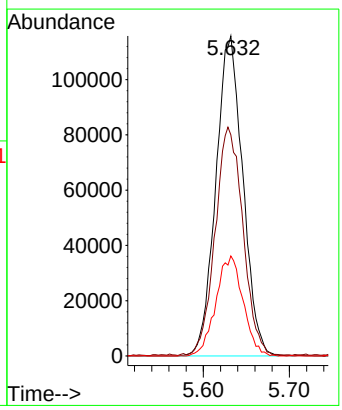


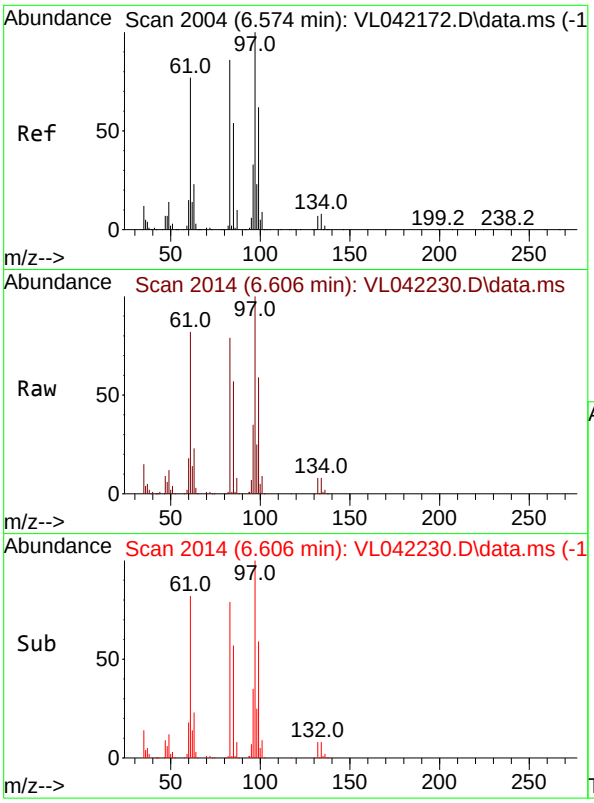


#46
cis-1,3-Dichloropropene
Concen: 8.601 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.039 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 75 Resp: 252229

Ion	Ratio	Lower	Upper
75	100		
39	69.0	55.8	83.6
77	31.3	26.0	39.0



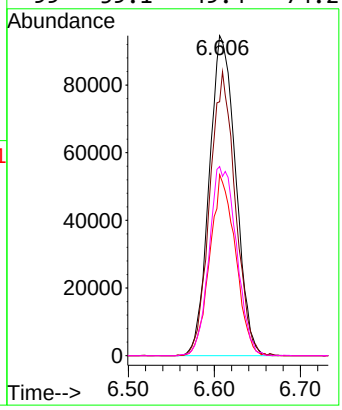


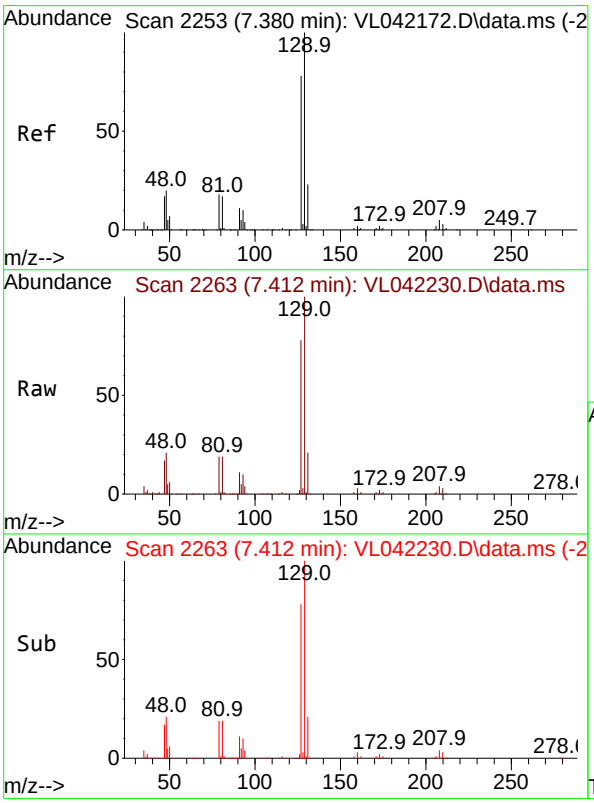
#47
1,1,2-Trichloroethane
Concen: 9.959 ppbv
RT: 6.606 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 97 Resp: 201960

Ion	Ratio	Lower	Upper
97	100		
83	79.2	69.2	103.8
85	56.5	43.1	64.7
99	59.1	49.4	74.2

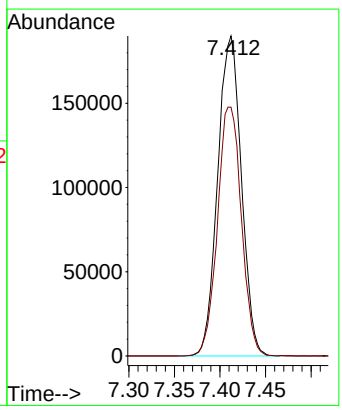


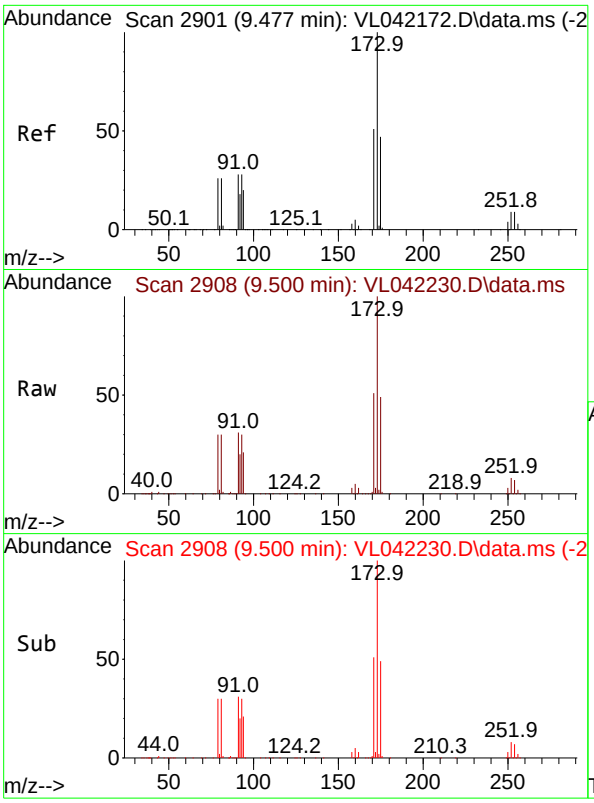


#48
Dibromochloromethane
Concen: 10.007 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.032 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:129 Resp: 343914

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.2



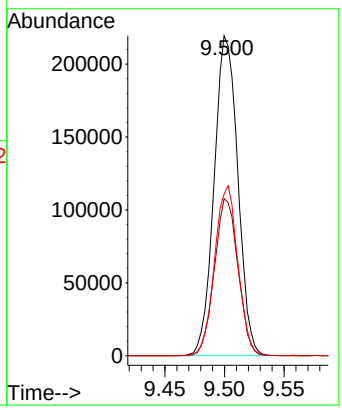


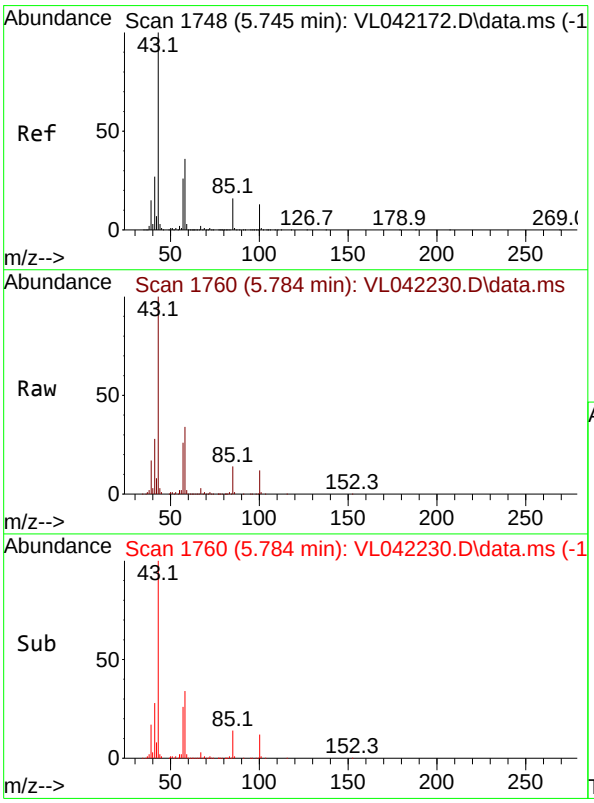
#49
Bromoform
Concen: 9.817 ppbv
RT: 9.500 min Scan# 2
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:173 Resp: 302914

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	57.8
171	52.0	41.8	62.6

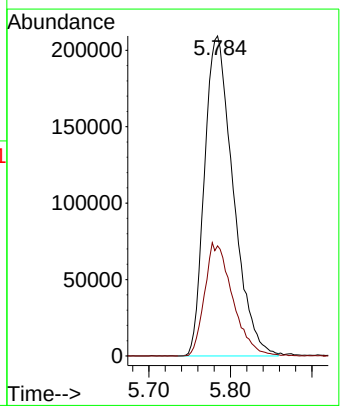


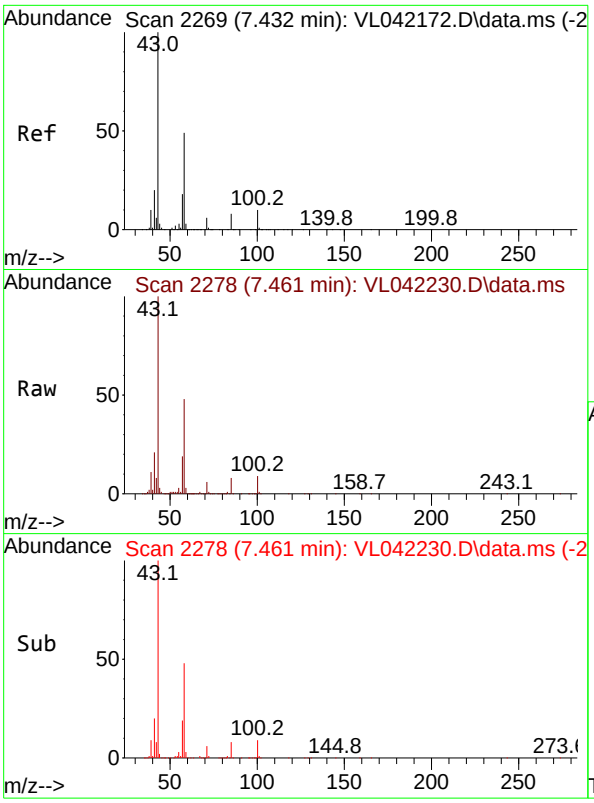


#50
4-Methyl-2-Pentanone
Concen: 8.368 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. 0.039 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 43 Resp: 510960

Ion	Ratio	Lower	Upper
43	100		
58	34.6	29.0	43.6



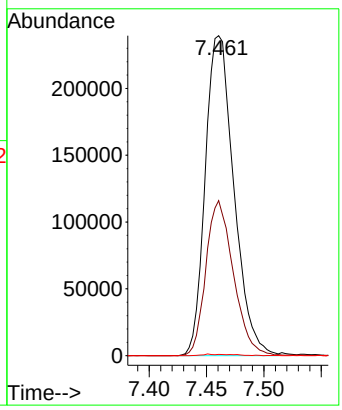


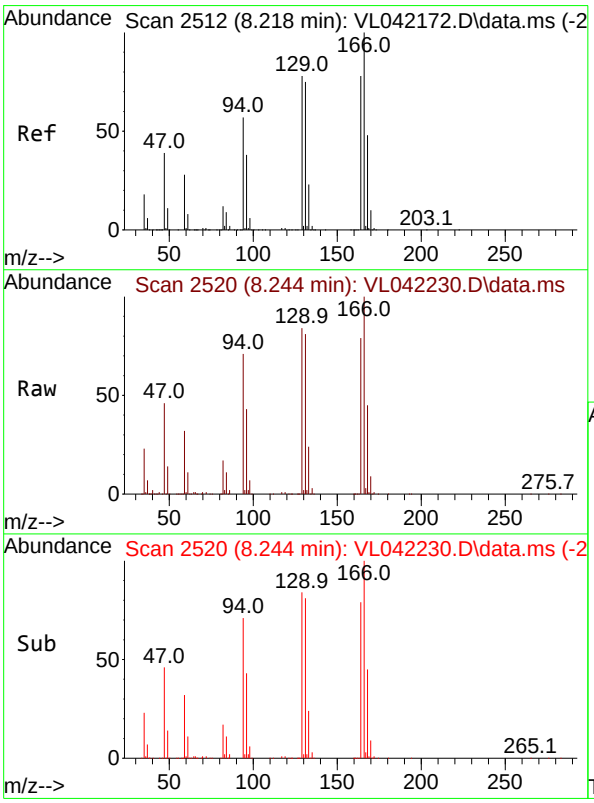
#51
2-Hexanone
Concen: 8.294 ppbv
RT: 7.461 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 43 Resp: 415858

Ion	Ratio	Lower	Upper
43	100		
58	46.8	39.7	59.5
98	0.6	0.1	0.1#

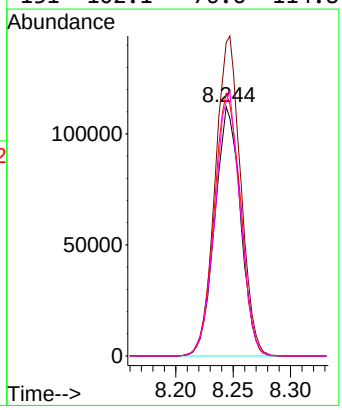


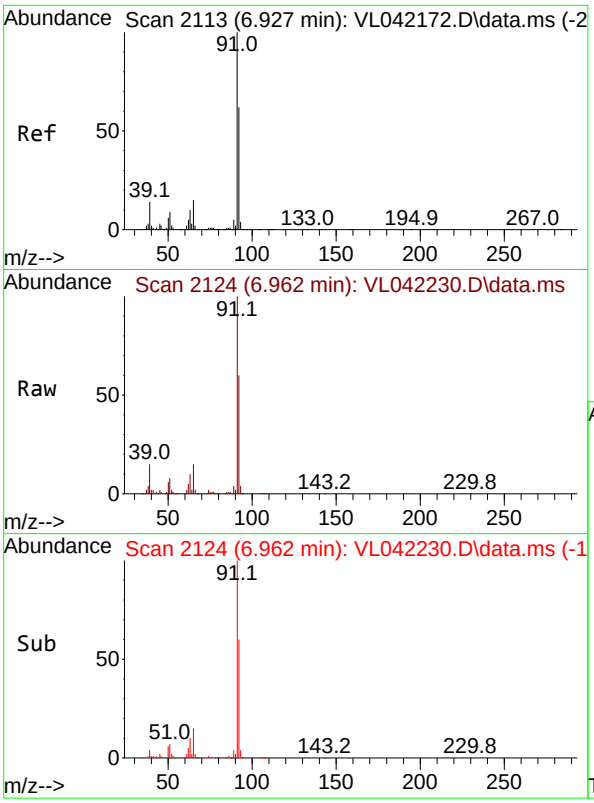


#52
Tetrachloroethene
Concen: 8.359 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:164 Resp: 174622

Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.5	153.7
129	105.3	79.8	119.8
131	102.1	76.6	114.8



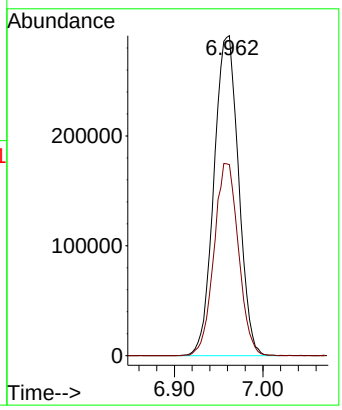


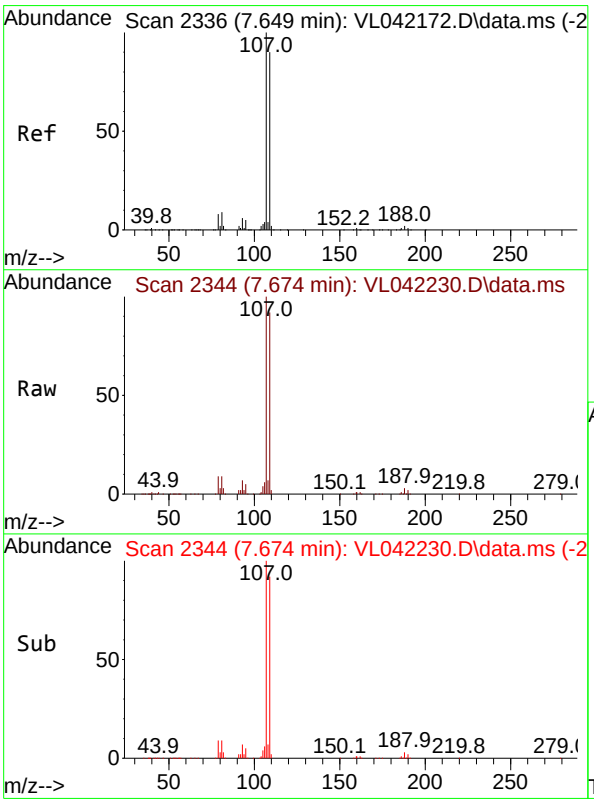
#53
Toluene
Concen: 9.007 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 91 Resp: 562424

Ion	Ratio	Lower	Upper
91	100		
92	59.9	48.4	72.6

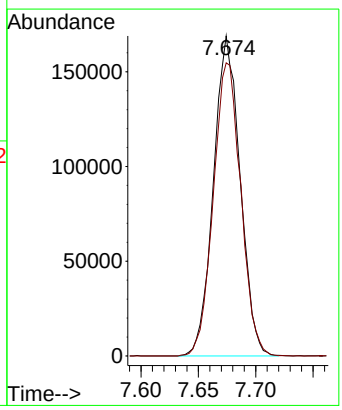


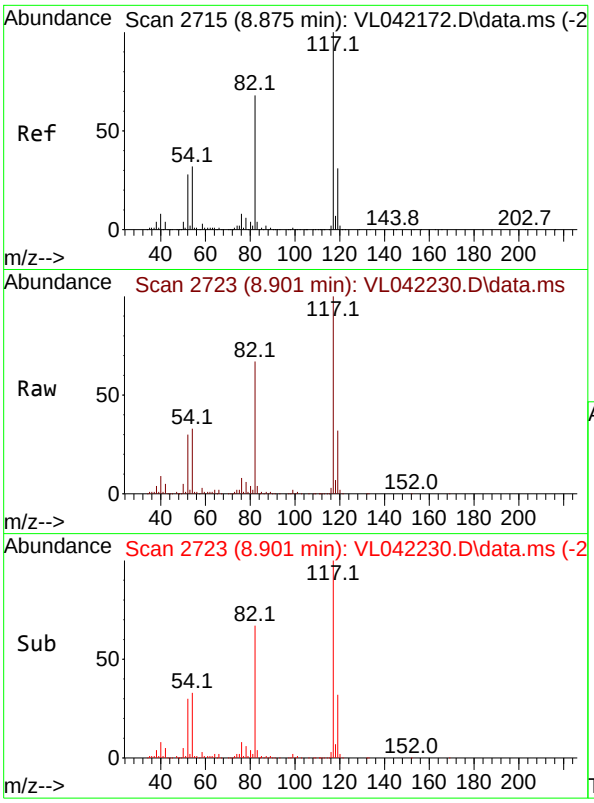


#54
1,2-Dibromoethane
Concen: 9.646 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:107 Resp: 272683

Ion	Ratio	Lower	Upper
107	100		
109	91.6	72.2	108.4



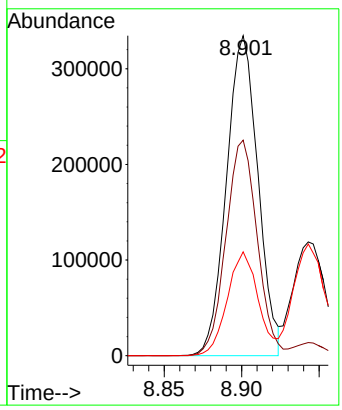


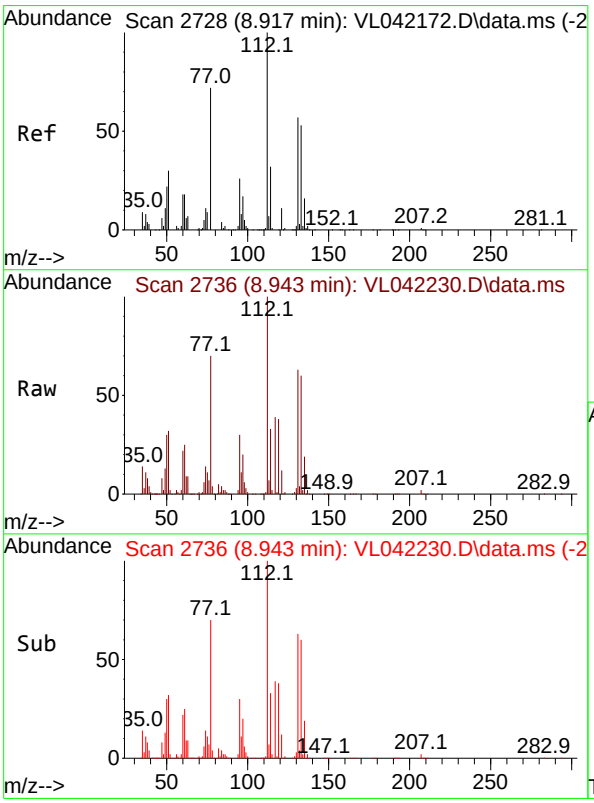
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:117 Resp: 473981

Ion	Ratio	Lower	Upper
117	100		
82	70.8	55.8	83.6
119	32.2	25.5	38.3

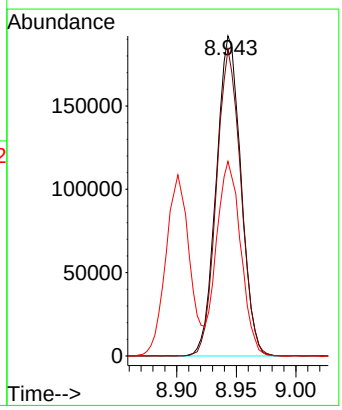


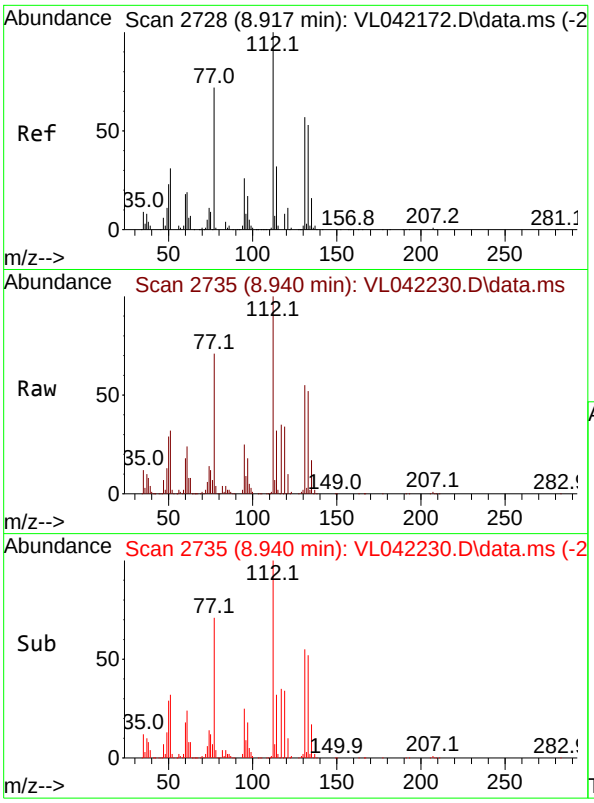


#56
1,1,1,2-Tetrachloroethane
Concen: 10.608 ppbv
RT: 8.943 min Scan# 2736
Delta R.T. 0.026 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:131 Resp: 276768

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.6	114.8
119	62.0	49.8	74.6



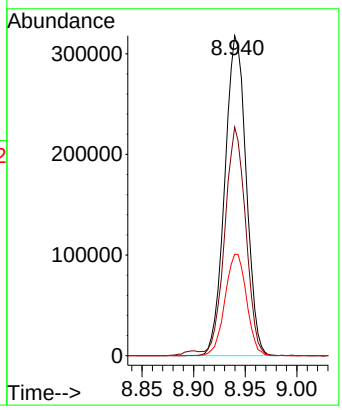


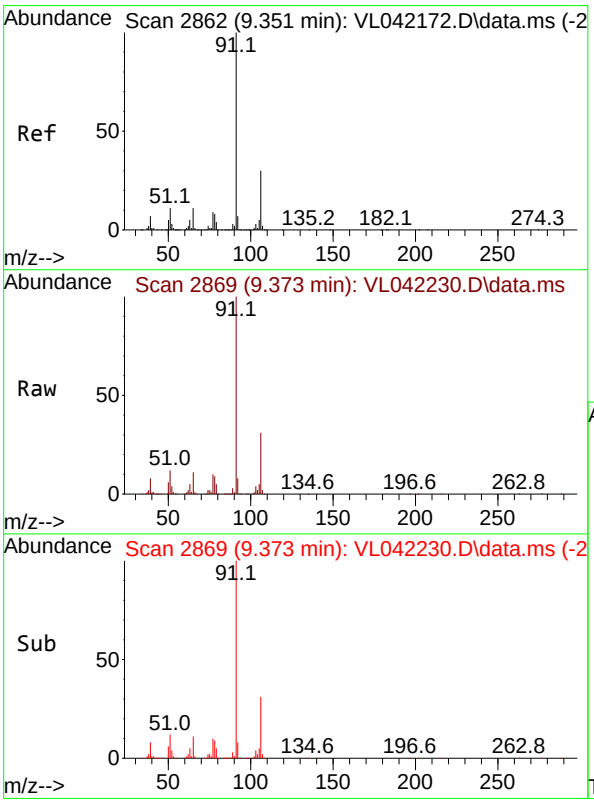
#57
Chlorobenzene
Concen: 10.204 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:112 Resp: 458748

Ion	Ratio	Lower	Upper
112	100		
77	71.4	58.2	87.2
114	31.7	29.1	35.5

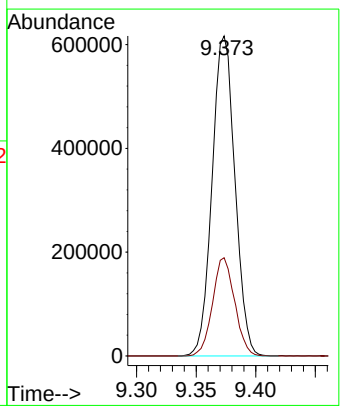


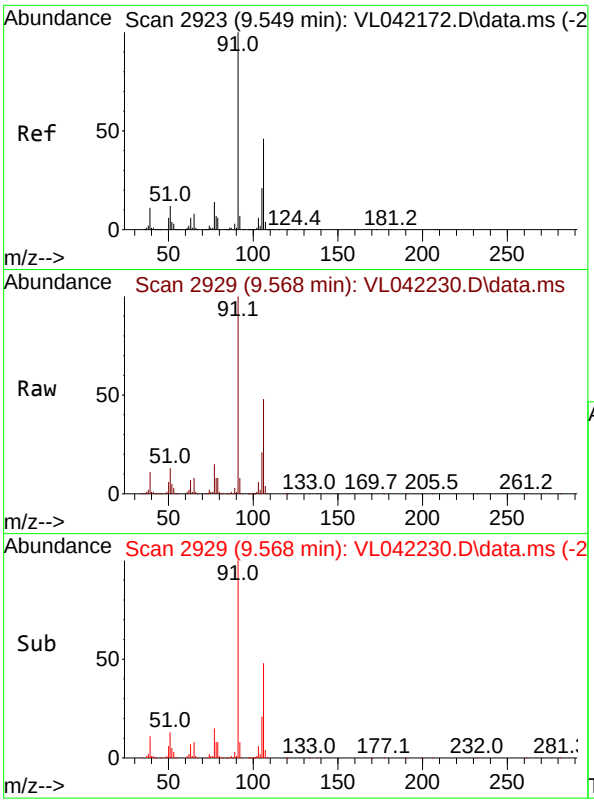


#58
Ethyl Benzene
Concen: 9.754 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 821248

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.2



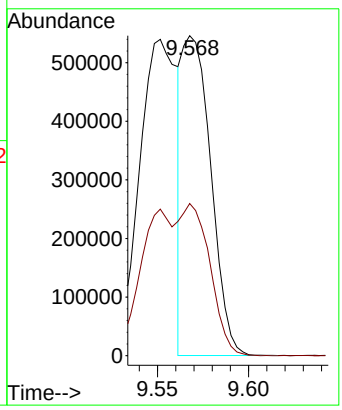


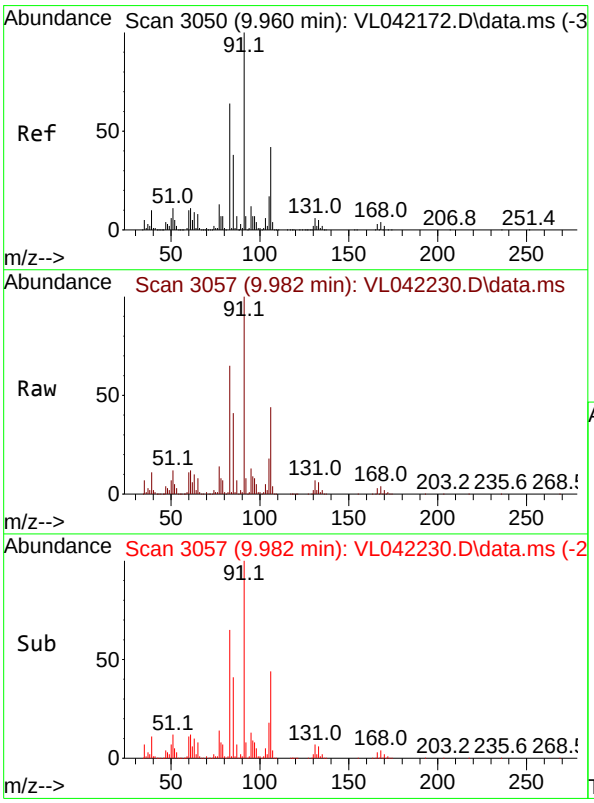
#59
m/p-Xylene
Concen: 8.837 ppbv
RT: 9.568 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 91 Resp: 594110

Ion	Ratio	Lower	Upper
91	100		
106	105.5	36.4	54.6#

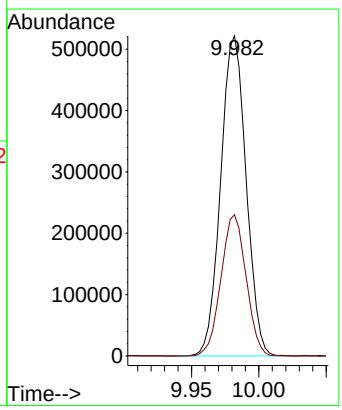


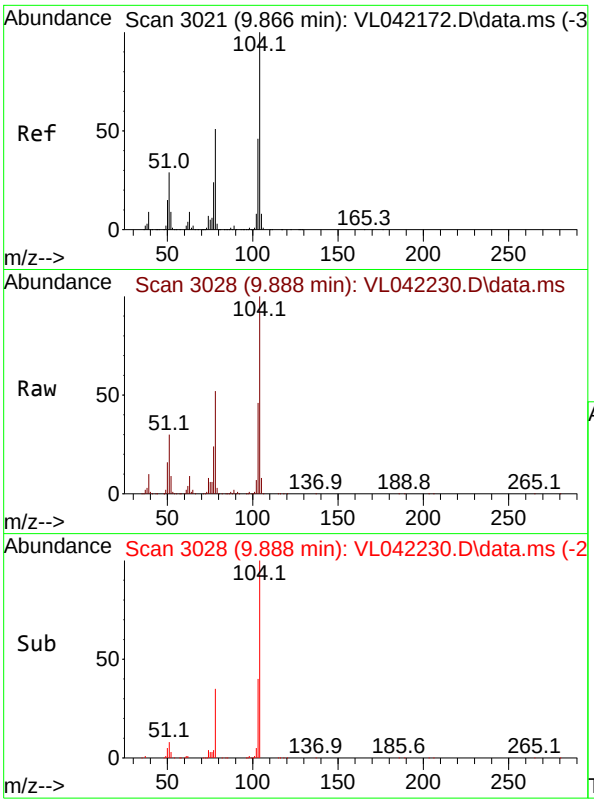


#60
o-Xylene
Concen: 10.160 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 684704

Ion	Ratio	Lower	Upper
91	100		
106	43.6	20.8	62.5



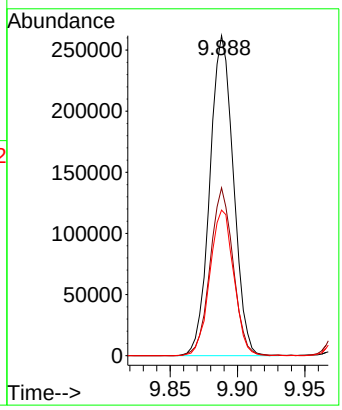


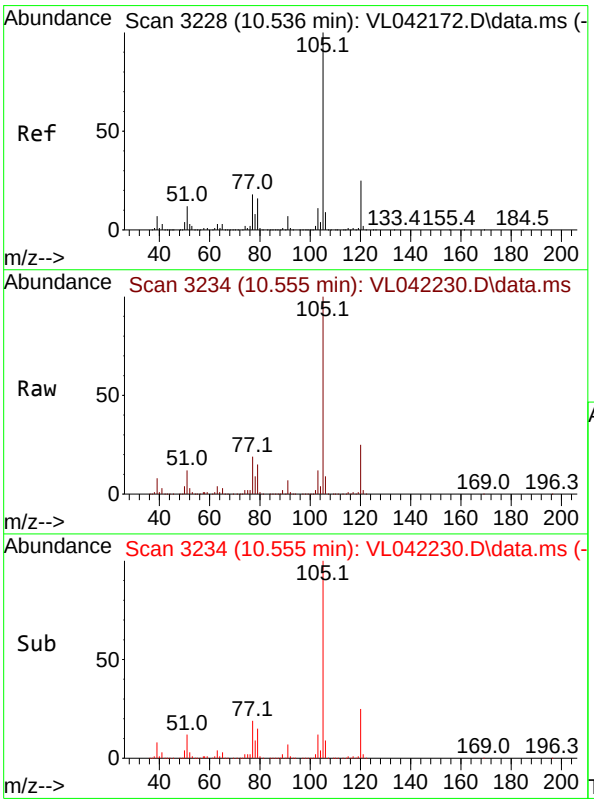
#61
Styrene
Concen: 9.564 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:104 Resp: 318889

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.8	62.6
103	46.2	37.0	55.4

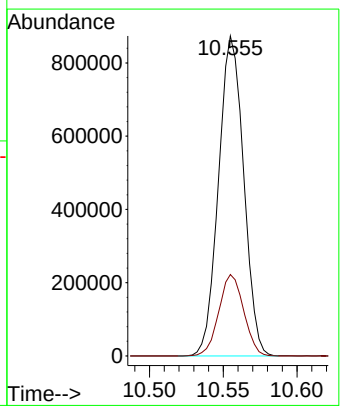


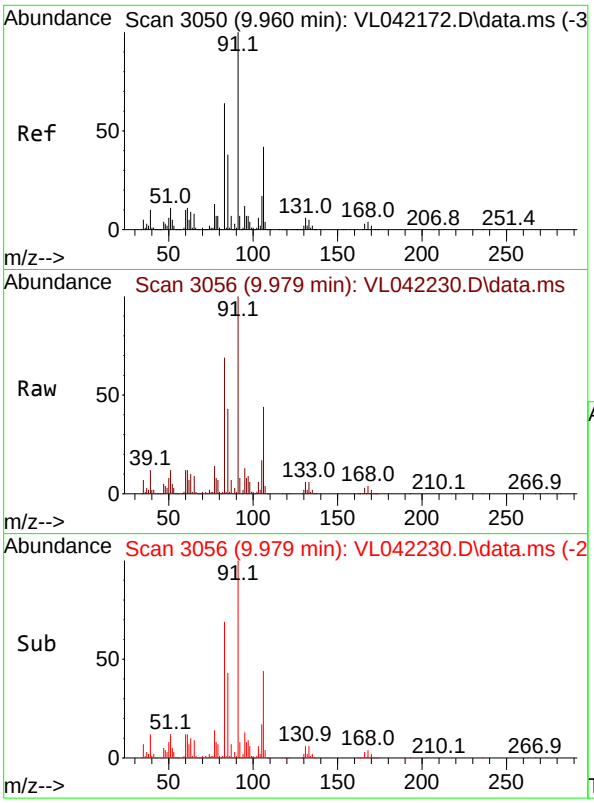


#62
Isopropylbenzene
Concen: 10.274 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 1035385

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.9	29.9



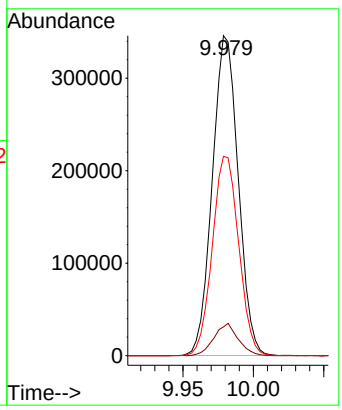


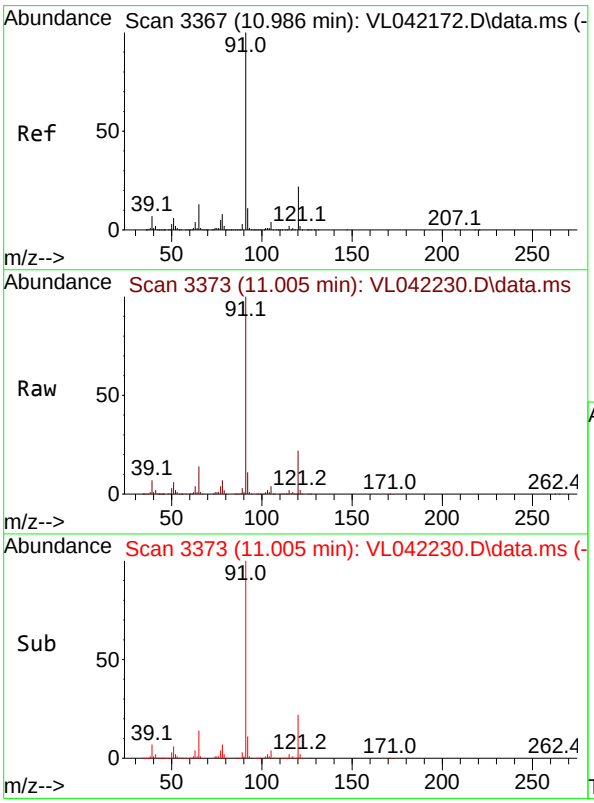
#63
1,1,2,2-Tetrachloroethane
Concen: 10.816 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 83 Resp: 442871

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	63.6	32.5	97.5

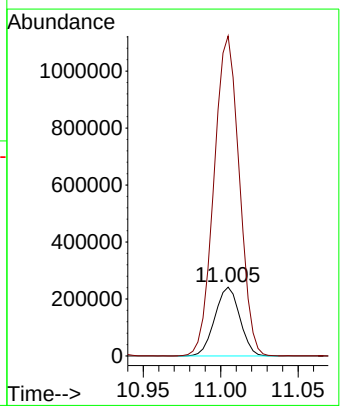


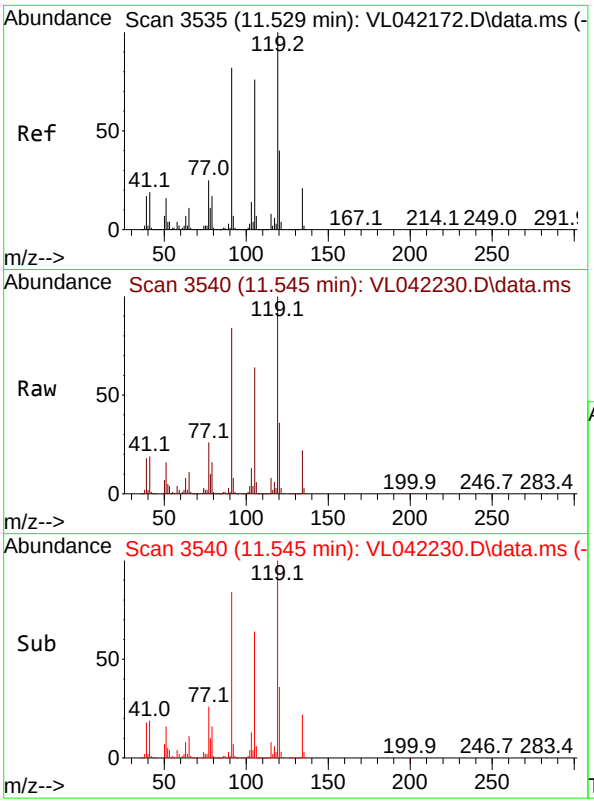


#64
n-propylbenzene
Concen: 10.422 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:120 Resp: 270373

Ion	Ratio	Lower	Upper
120	100		
91	472.5	376.9	565.3



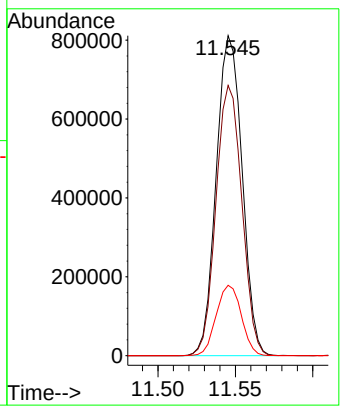


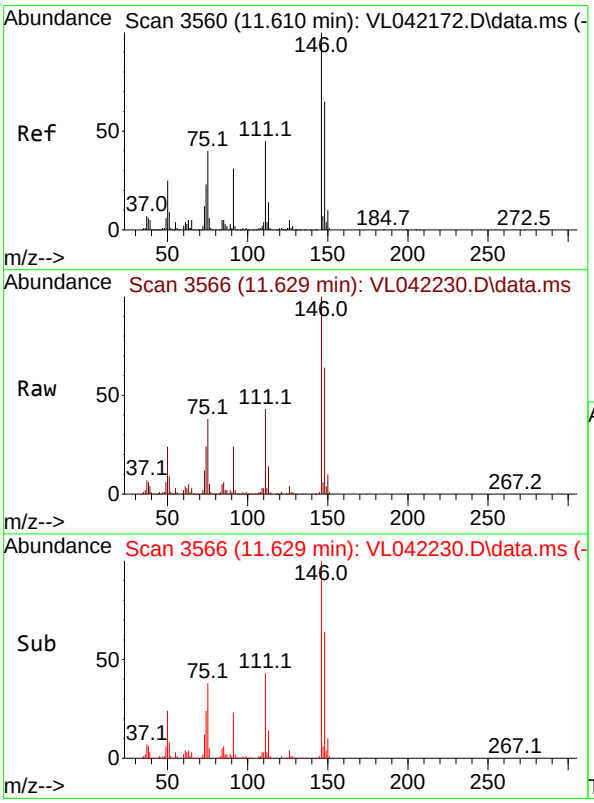
#65
tert-Butylbenzene
Concen: 10.135 ppbv
RT: 11.545 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:119 Resp: 944630

Ion	Ratio	Lower	Upper
119	100		
91	84.4	66.0	99.0
134	21.3	16.7	25.1

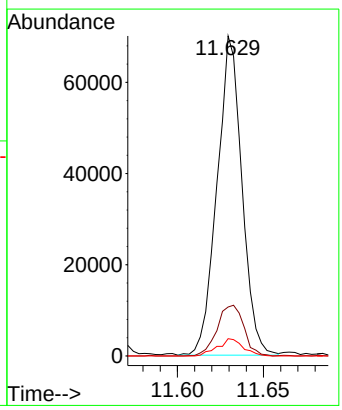


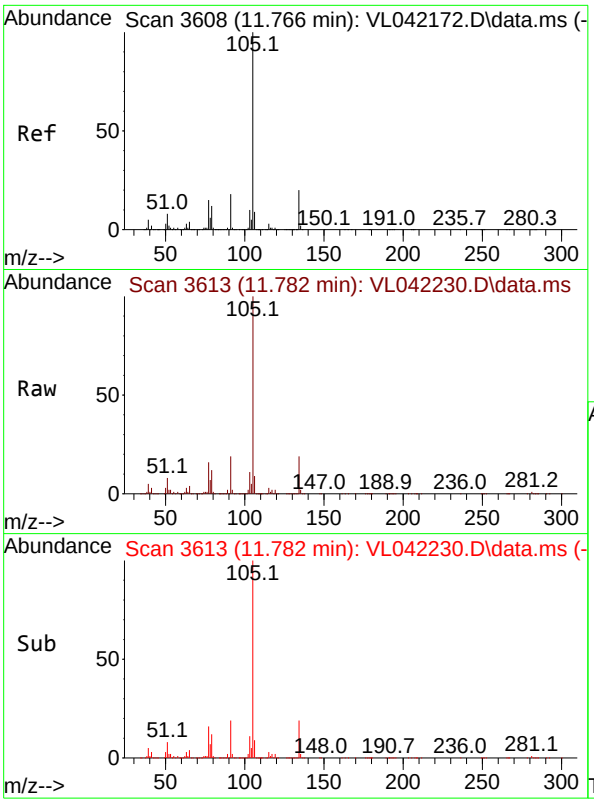


#66
Benzyl Chloride
Concen: 7.123 ppbv
RT: 11.629 min Scan# 3566
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 70444

Ion	Ratio	Lower	Upper
91	100		
126	17.2	13.8	20.6
128	5.5	4.5	6.7



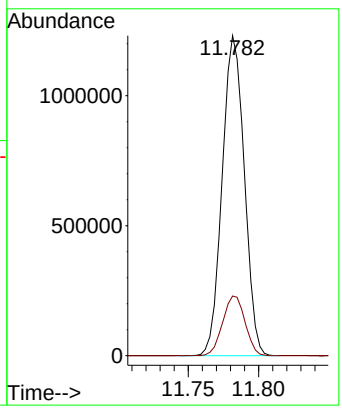


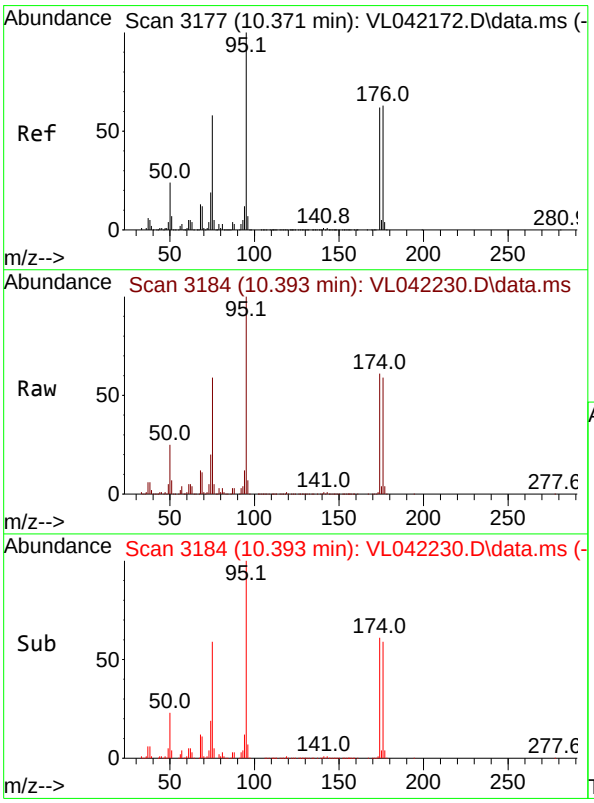
#67
sec-Butylbenzene
Concen: 10.395 ppbv
RT: 11.782 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:105 Resp: 1346681

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.5	23.3

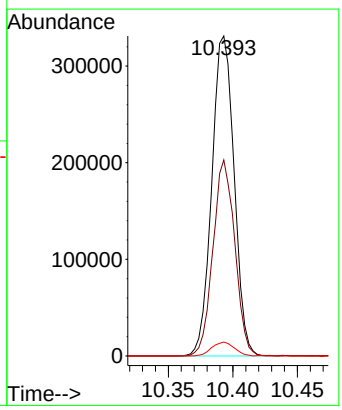


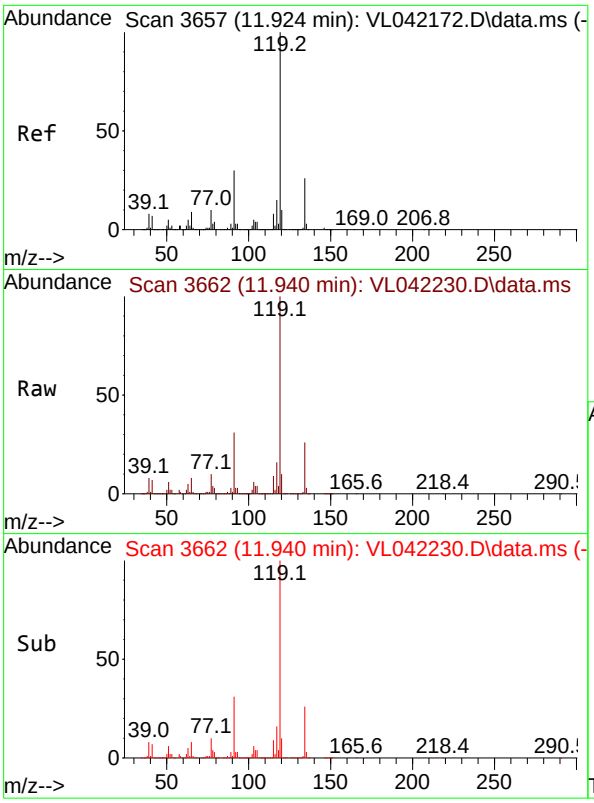


#68
1-Bromo-4-Fluorobenzene
Concen: 10.233 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.022 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 95 Resp: 398322

Ion	Ratio	Lower	Upper
95	100		
174	60.0	50.6	76.0
175	4.4	3.8	5.6



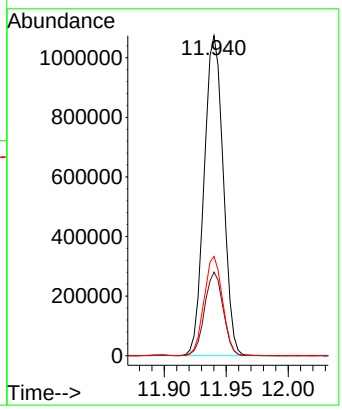


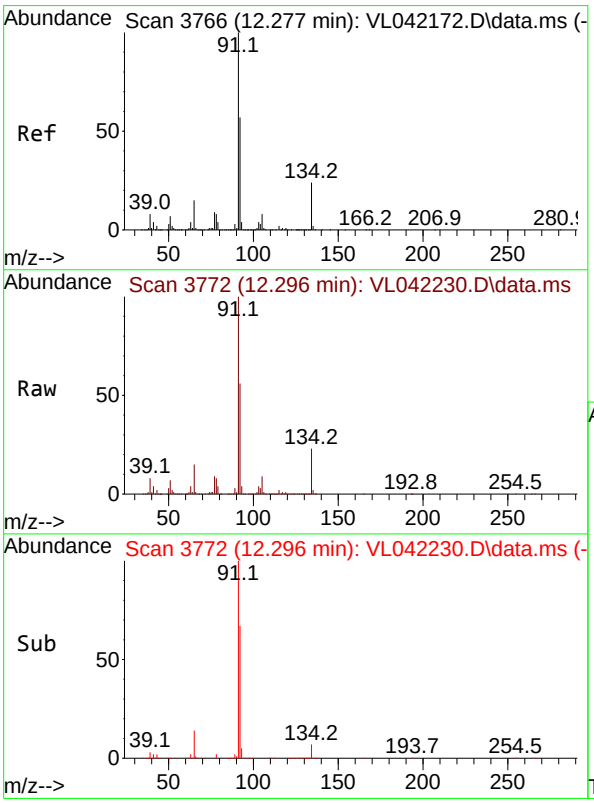
#69
p-Isopropyltoluene
Concen: 10.321 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:119 Resp: 1151394

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	30.3	23.7	35.5

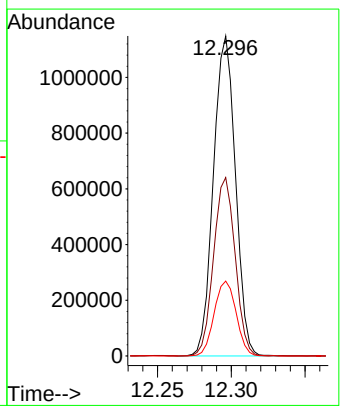


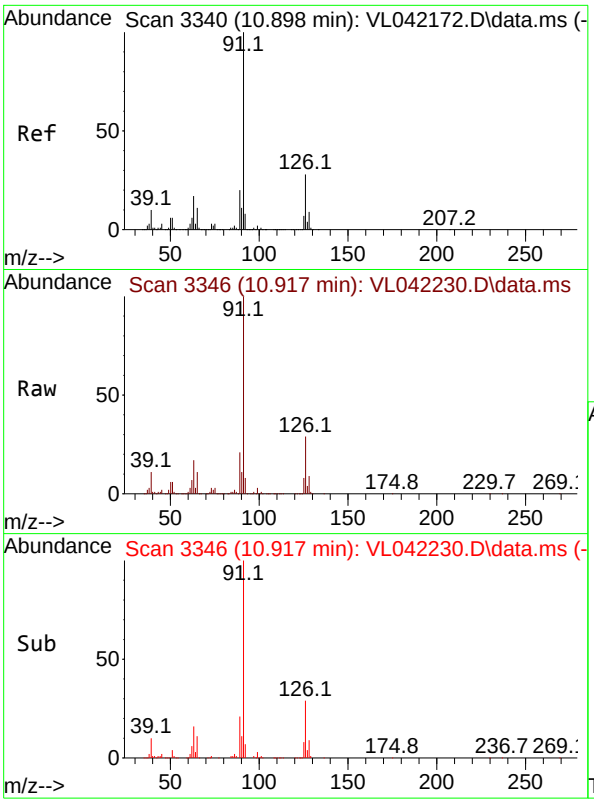


#70
n-Butylbenzene
Concen: 10.437 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion: 91 Resp: 1190709

Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.9	67.3
134	23.4	19.2	28.8



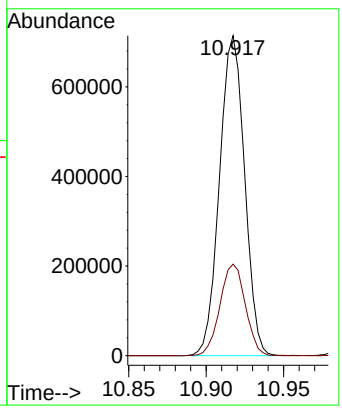


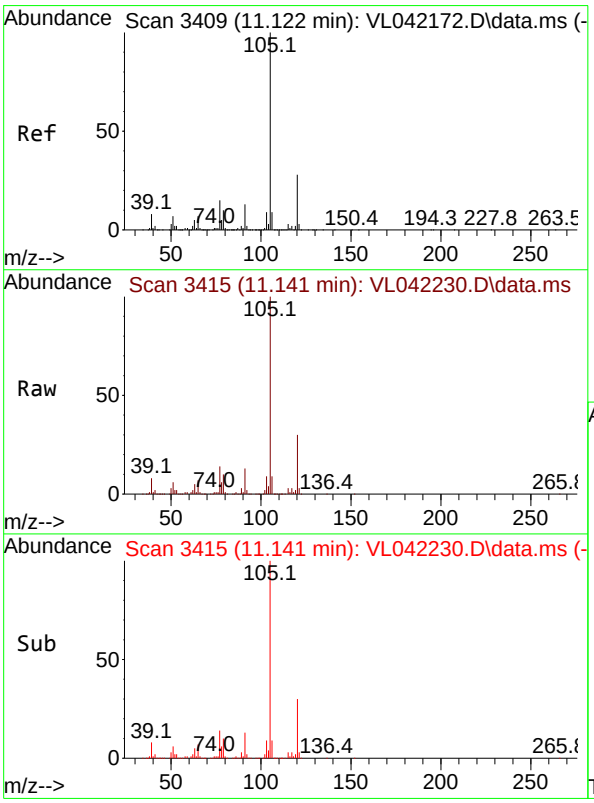
#71
2-Chlorotoluene
Concen: 10.276 ppbv
RT: 10.917 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion: 91 Resp: 803764

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.6	46.4

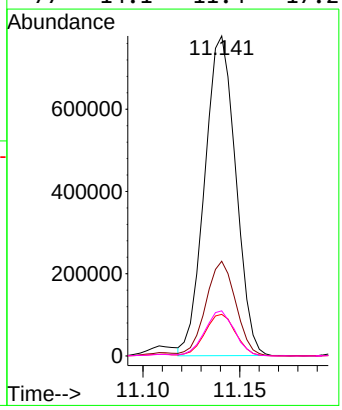


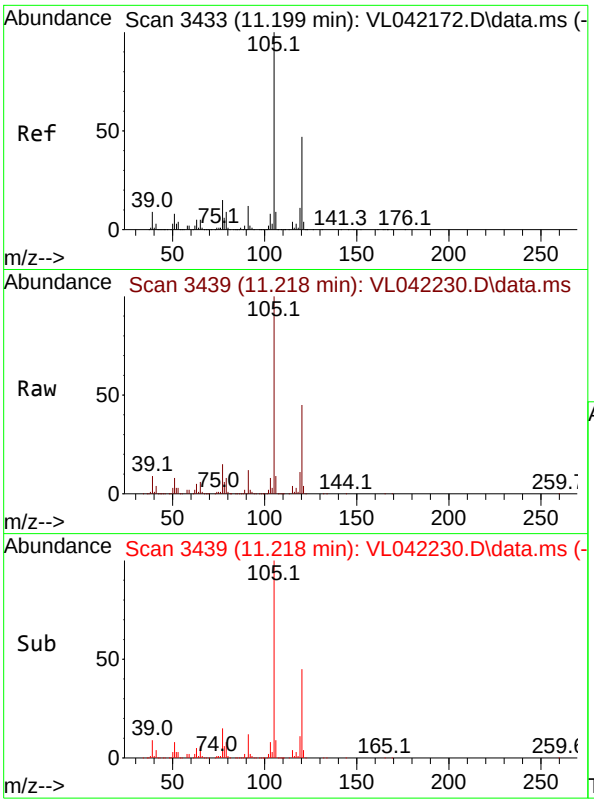


#72
4-Ethyltoluene
Concen: 10.341 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 867726

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.4	35.0
91	13.5	10.3	15.5
77	14.1	11.4	17.2



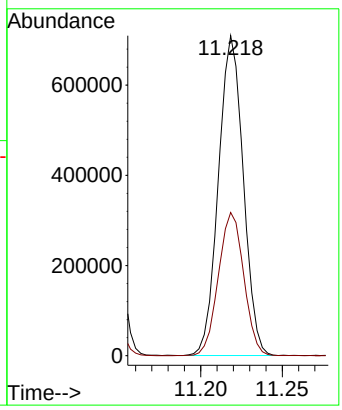


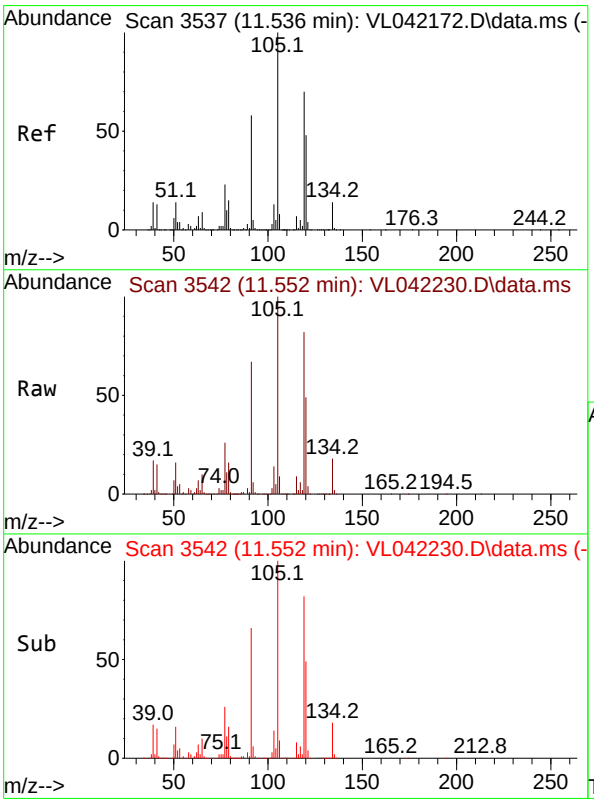
#73
1,3,5-Trimethylbenzene
Concen: 10.246 ppbv
RT: 11.218 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:105 Resp: 750866

Ion	Ratio	Lower	Upper
105	100		
120	44.7	37.4	56.0

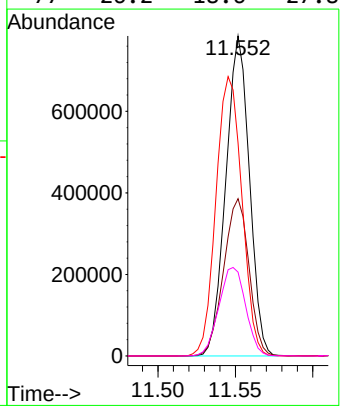


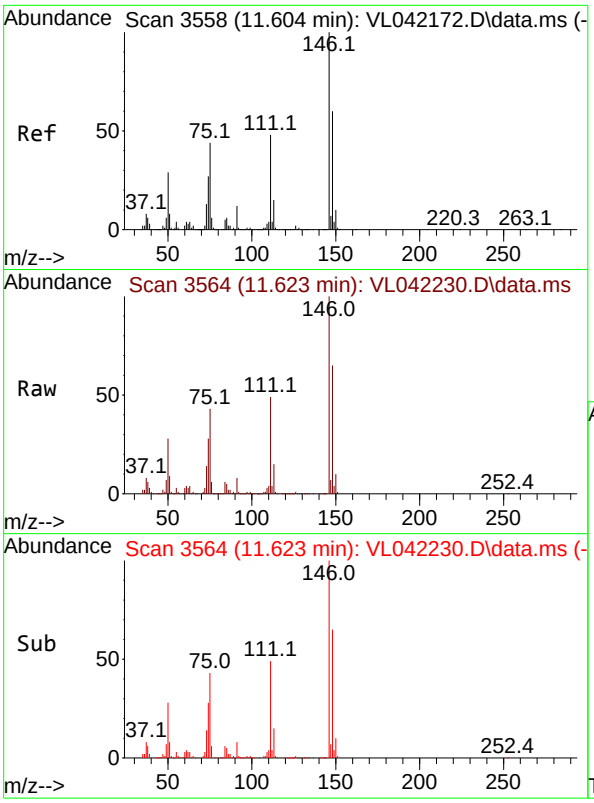


#74
1,2,4-Trimethylbenzene
Concen: 9.856 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:105 Resp: 832142

Ion	Ratio	Lower	Upper
105	100		
120	49.2	38.6	58.0
91	66.6	46.2	69.2
77	26.2	18.6	27.8



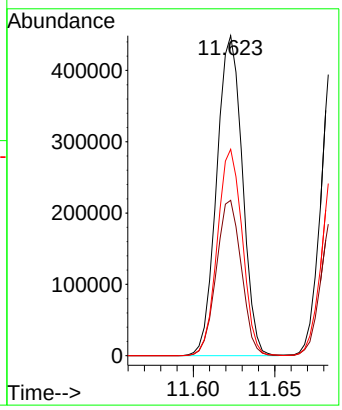


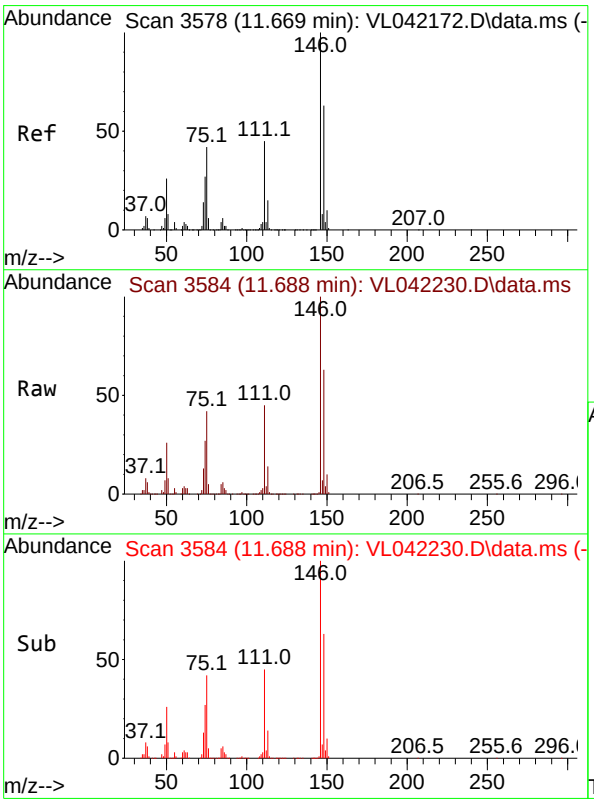
#75
1,3-Dichlorobenzene
Concen: 10.618 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:146 Resp: 491666

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	62.7	31.9	95.9

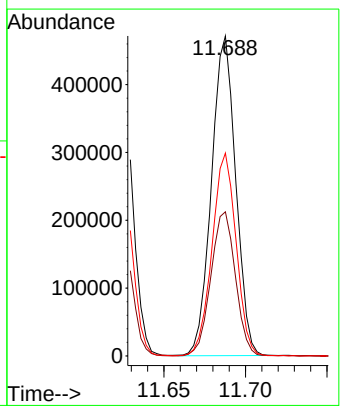


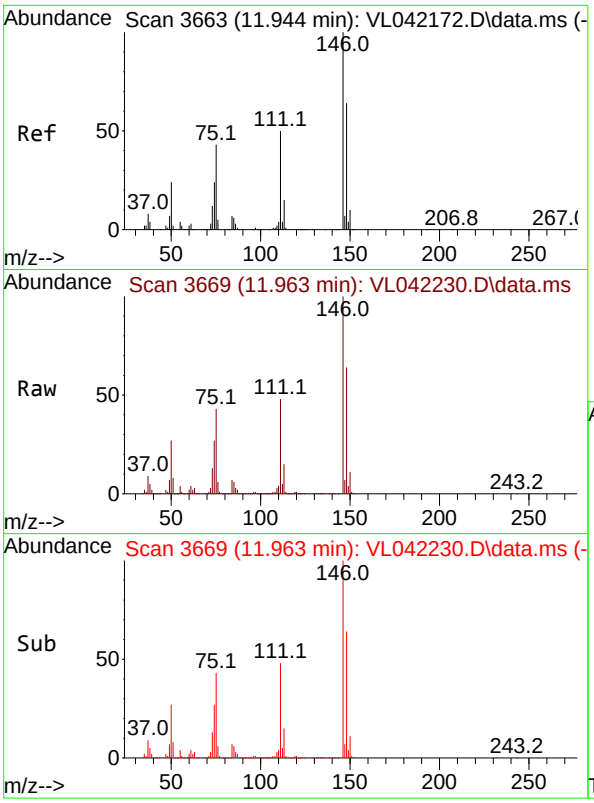


#76
1,4-Dichlorobenzene
Concen: 10.563 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:146 Resp: 486784

Ion	Ratio	Lower	Upper
146	100		
111	45.8	23.0	69.0
148	63.1	31.9	95.7



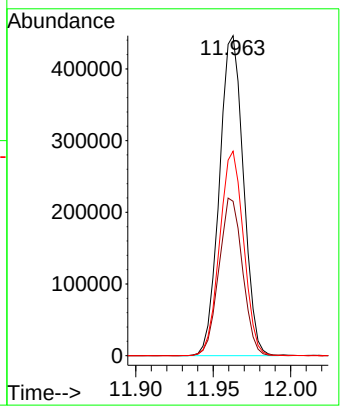


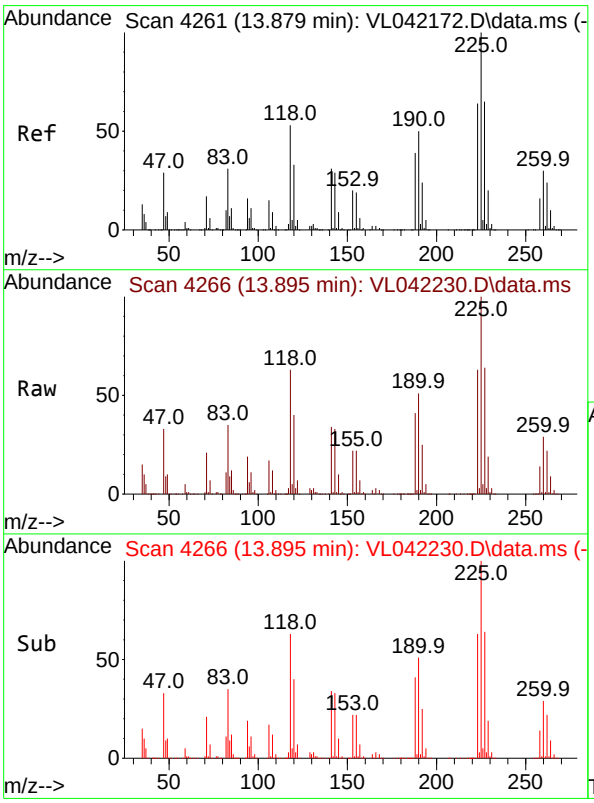
#77
1,2-Dichlorobenzene
Concen: 10.656 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:146 Resp: 480453

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.8	74.3
148	63.9	31.6	94.8

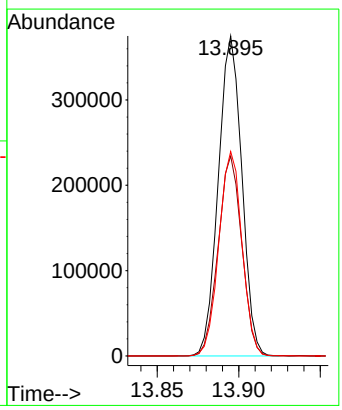


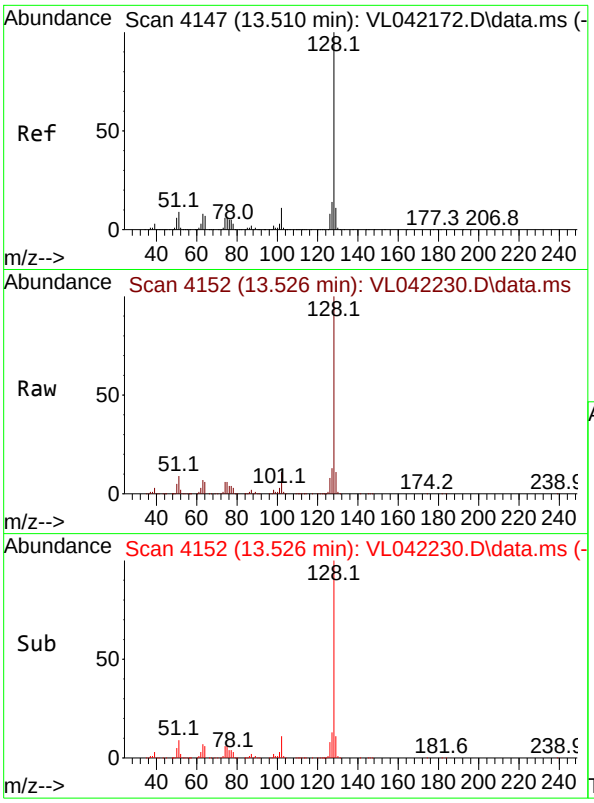


#78
Hexachloro-1,3-Butadiene
Concen: 8.189 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:225 Resp: 375805

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	76.0
227	62.8	51.2	76.8



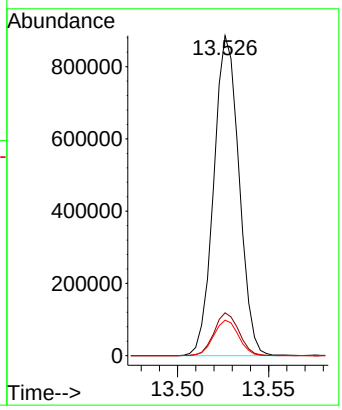


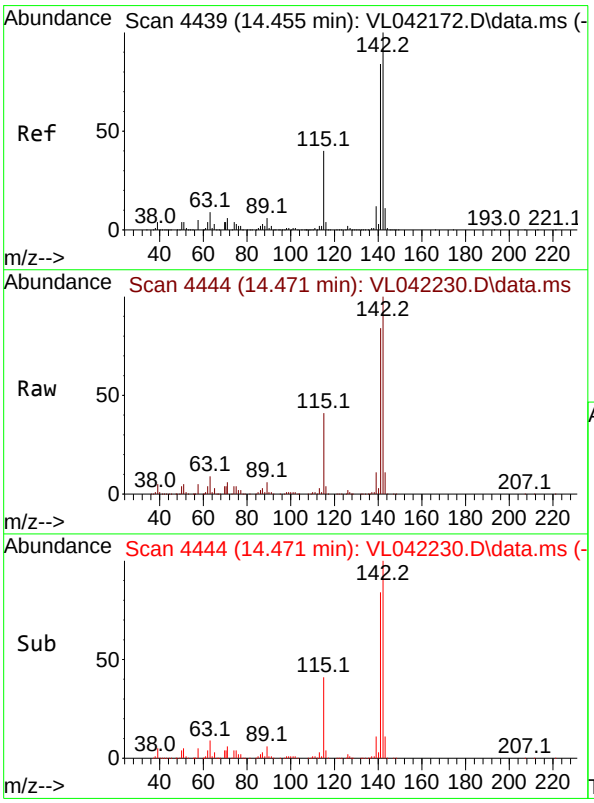
#79
Naphthalene
Concen: 9.262 ppbv
RT: 13.526 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:128 Resp: 855353

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.1	9.0	13.4

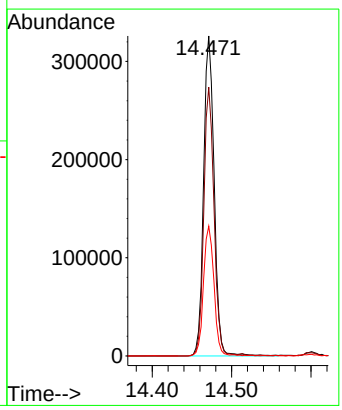


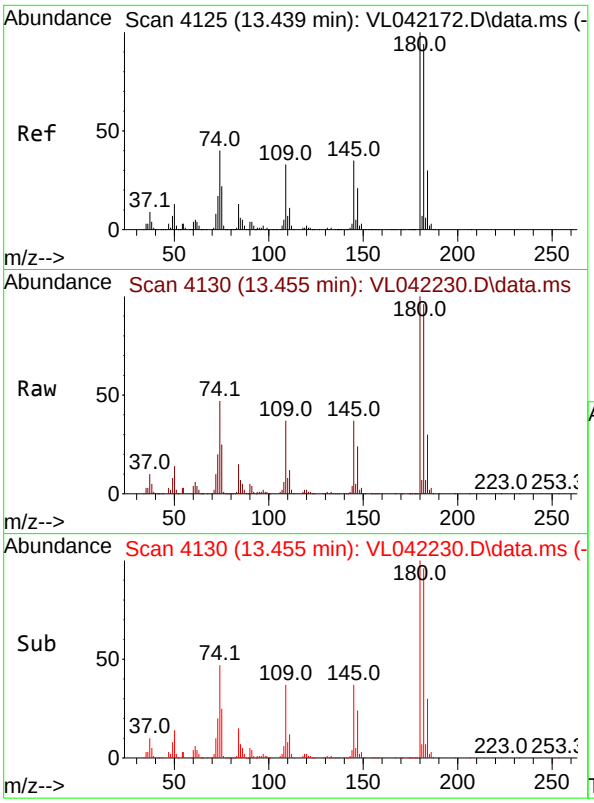


#80
Naphthalene,2-methyl-
Concen: 6.665 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Tgt Ion:142 Resp: 301864

Ion	Ratio	Lower	Upper
142	100		
141	82.3	66.3	99.5
115	40.8	31.6	47.4



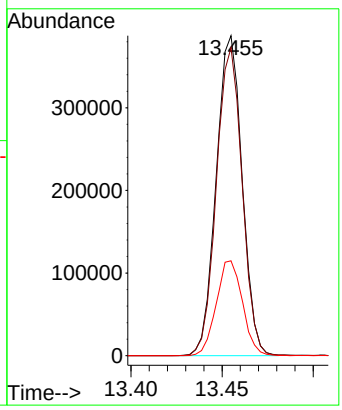


#81
1,2,4-Trichlorobenzene
Concen: 8.994 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042230.D
Acq: 07 Apr 2025 11:09

Instrument :
MSVOA_L
ClientSampleId :
VL0407ABS01

Tgt Ion:180 Resp: 383097

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.1	112.7
184	30.0	24.4	36.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Quant Time: Apr 08 01:30:38 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	2.800	49	202620	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.978	114	551417	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.901	117	479781	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.390	95	381172	9.674	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	12053	0.403	ppbv		95
3) Chlorodifluoromethane	1.538	51	1230	0.040	ppbv		95
4) Chloromethane	1.538	50	7078	0.579	ppbv		97
6) Bromomethane	1.674	94	345	0.062	ppbv	#	56
7) Chloroethane	1.713	64	289	0.059	ppbv	#	57
9) Propene	1.492	41	6667	0.476	ppbv	#	80
10) Heptane	4.998	43	1591	0.043	ppbv	#	28
11) Trichlorofluoromethane	1.884	101	5976	0.205	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.149	101	1330	0.056	ppbv		86
13) Ethanol	1.729	45	17438	13.168	ppbv		81
15) Acetone	1.842	43	143188	5.053	ppbv		96
16) 1,3-Butadiene	1.625	39	6834	0.494	ppbv	#	30
17) tert-Butyl alcohol	2.056	59	1872	0.053	ppbv	#	22
19) Isopropyl Alcohol	1.894	45	17414	1.089	ppbv	#	1
20) Methylene Chloride	2.072	84	4263	0.404	ppbv	#	76
23) Vinyl Acetate	2.480	43	5875	0.479	ppbv	#	68
26) Hexane	2.842	57	9360	0.329	ppbv	#	44
29) Chloroform	2.862	83	1797	0.043	ppbv		100
34) 2-Butanone	2.573	43	21340	0.534	ppbv		92
35) Carbon Tetrachloride	3.784	117	1350	0.031	ppbv	#	87
36) Benzene	3.671	78	7483	0.137	ppbv	#	91
39) 1,2-Dichloropropane	3.975	63	141072	7.086	ppbv	#	22
44) 2,2,4-Trimethylpentane	4.664	57	4650	0.050	ppbv	#	19
50) 4-Methyl-2-Pentanone	5.804	43	5156	0.081	ppbv	#	76
53) Toluene	6.959	91	20311	0.313	ppbv	#	27
58) Ethyl Benzene	9.370	91	5840	0.069	ppbv	#	83
59) m/p-Xylene	9.565	91	3568	0.052	ppbv	#	31
60) o-Xylene	9.982	91	5058	0.074	ppbv		93
73) 1,3,5-Trimethylbenzene	11.219	105	2375	0.032	ppbv	#	60
74) 1,2,4-Trimethylbenzene	11.549	105	8564	0.100	ppbv	#	68

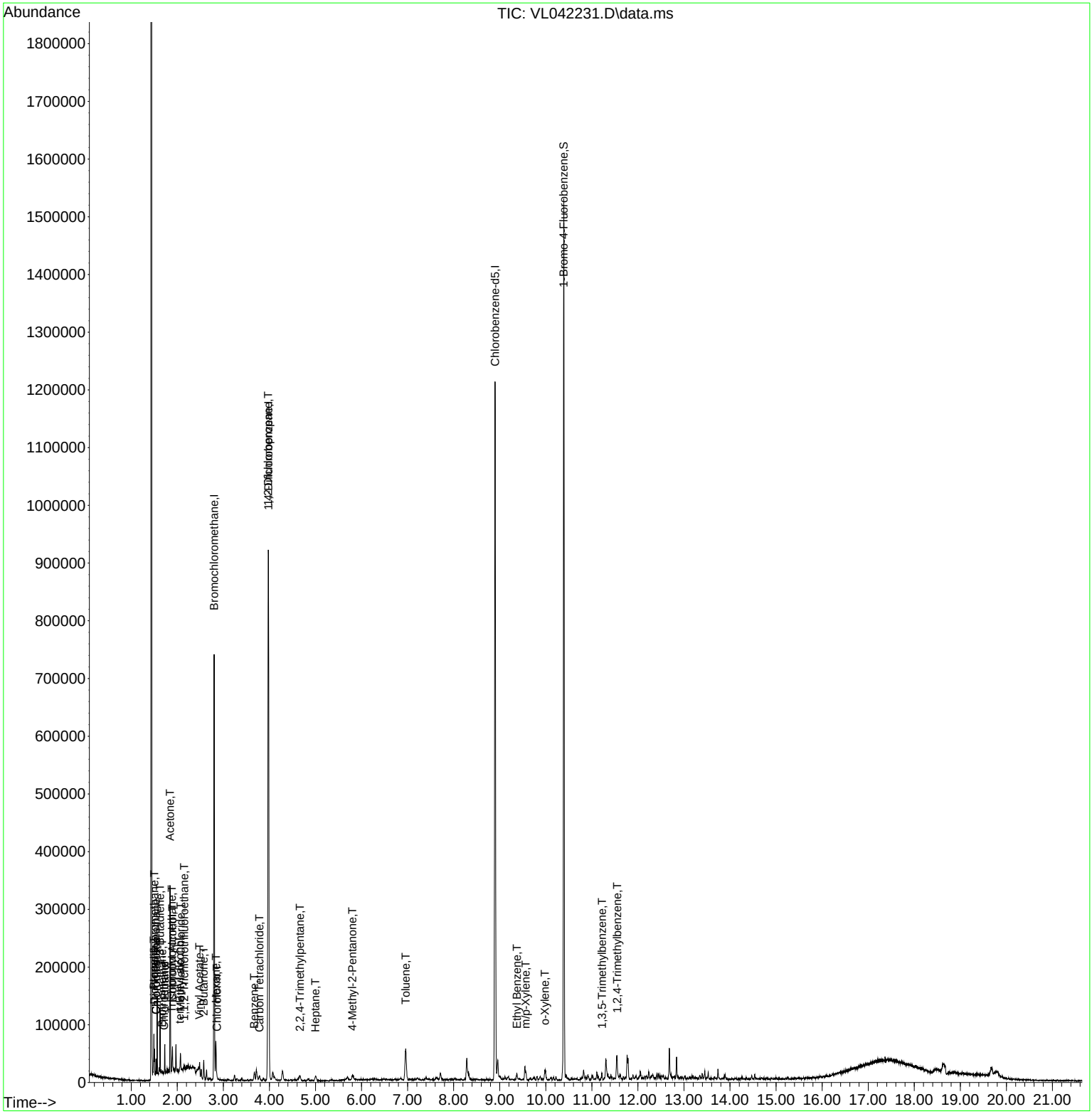
(#) = qualifier out of range (m) = manual integration (+) = signals summed

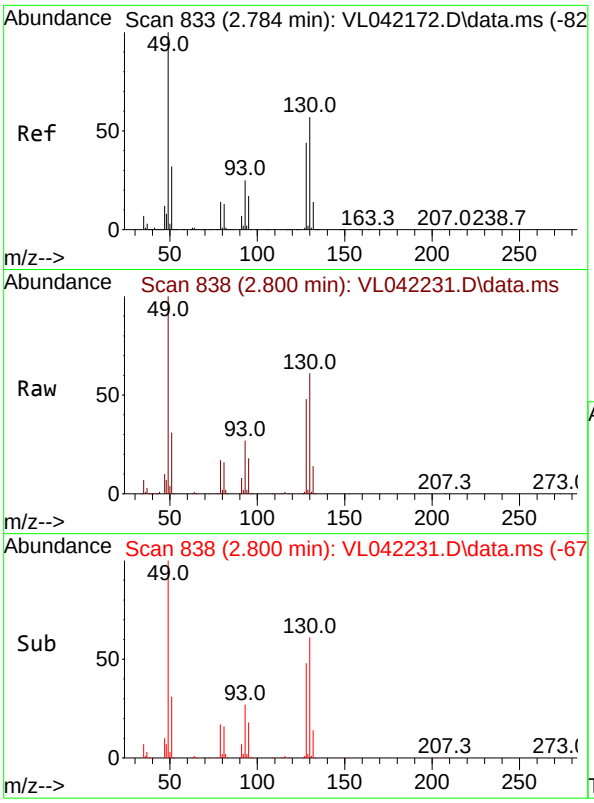
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042231.D
Acq On : 07 Apr 2025 12:27
Operator : SY/MD
Sample : Q1725-04
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Quant Time: Apr 08 01:30:38 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



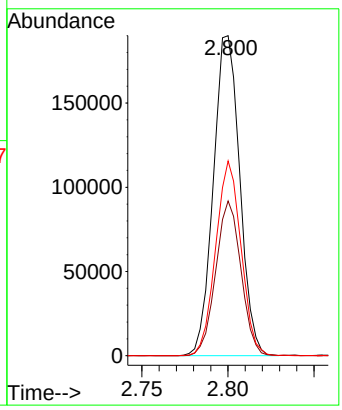


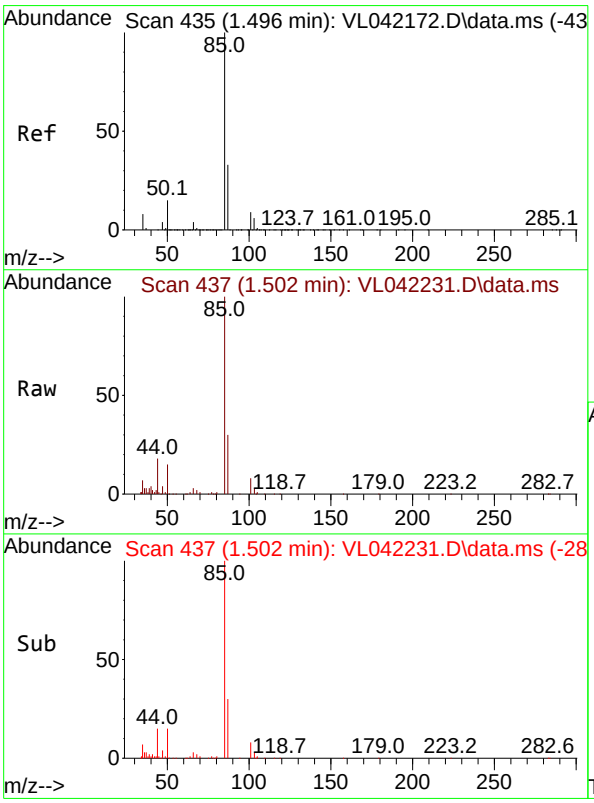
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 49 Resp: 202620

Ion	Ratio	Lower	Upper
49	100		
128	46.2	22.9	68.5
130	58.4	28.8	86.4

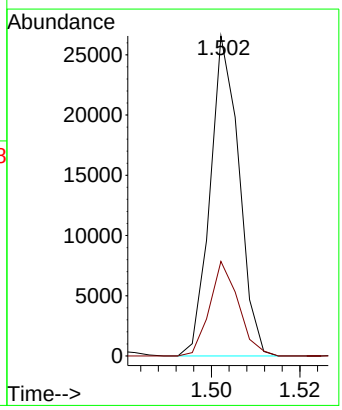


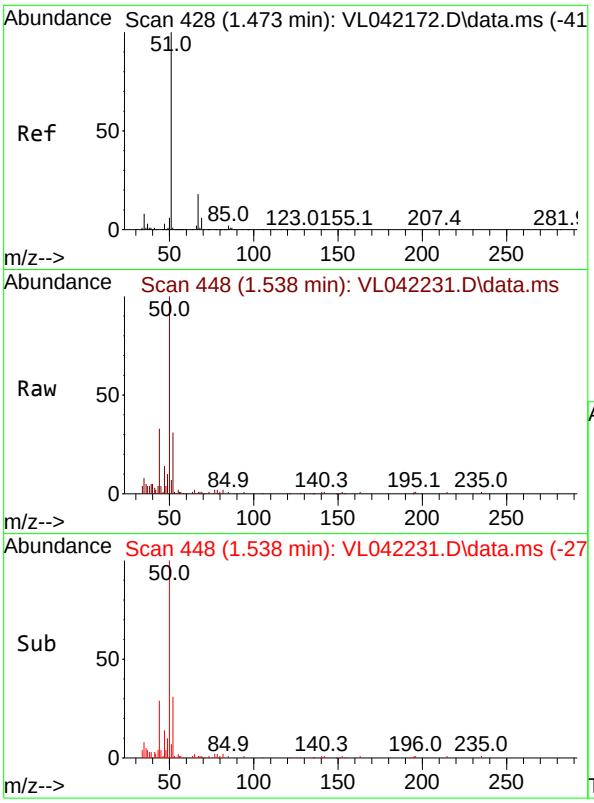


#2
Dichlorodifluoromethane
Concen: 0.403 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 85 Resp: 12053

Ion	Ratio	Lower	Upper
85	100		
87	29.6	26.1	39.1



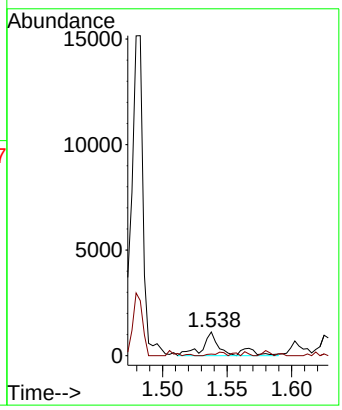


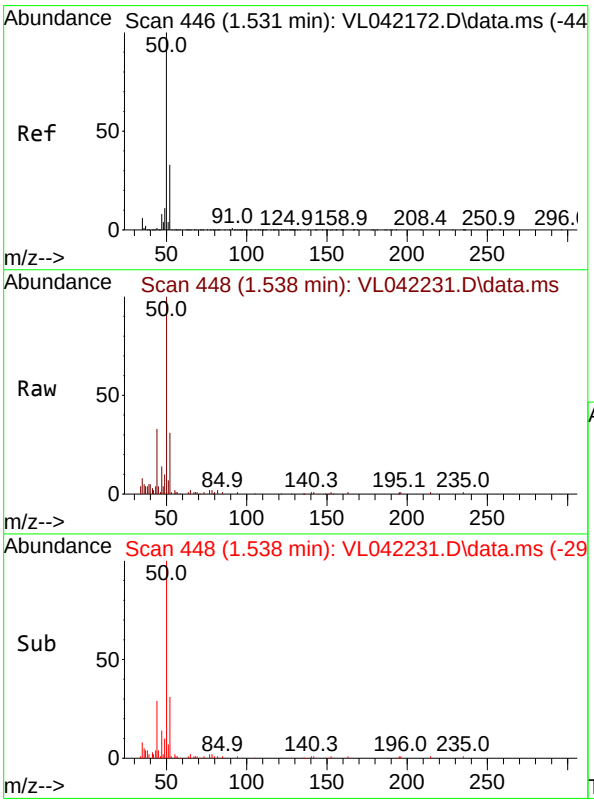
#3
Chlorodifluoromethane
Concen: 0.040 ppbv
RT: 1.538 min Scan# 44
Delta R.T. 0.065 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 51 Resp: 1230

Ion	Ratio	Lower	Upper
51	100		
67	16.6	15.0	22.6

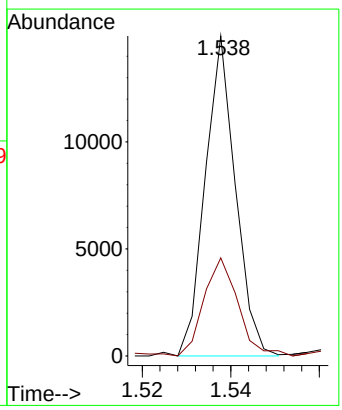


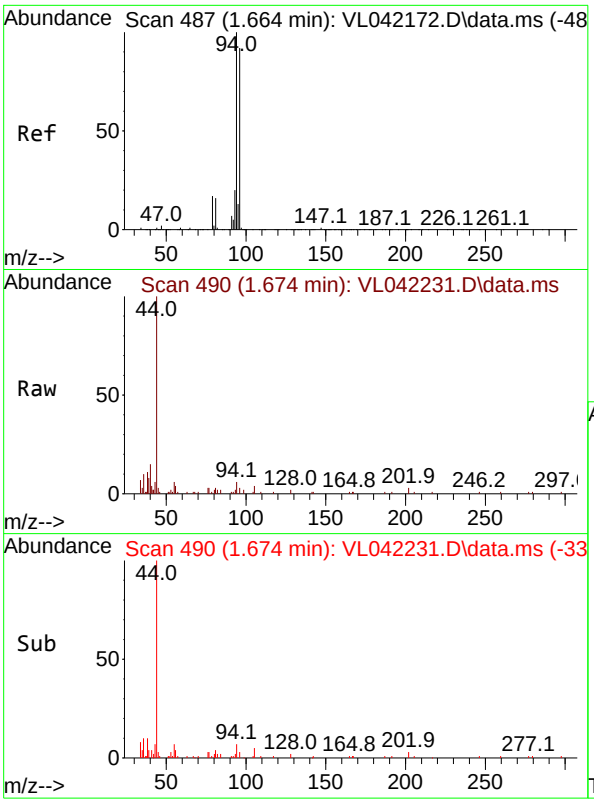


#4
Chloromethane
Concen: 0.579 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 50 Resp: 7078

Ion	Ratio	Lower	Upper
50	100		
52	30.8	26.1	39.1



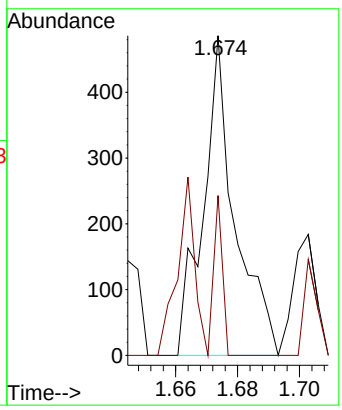


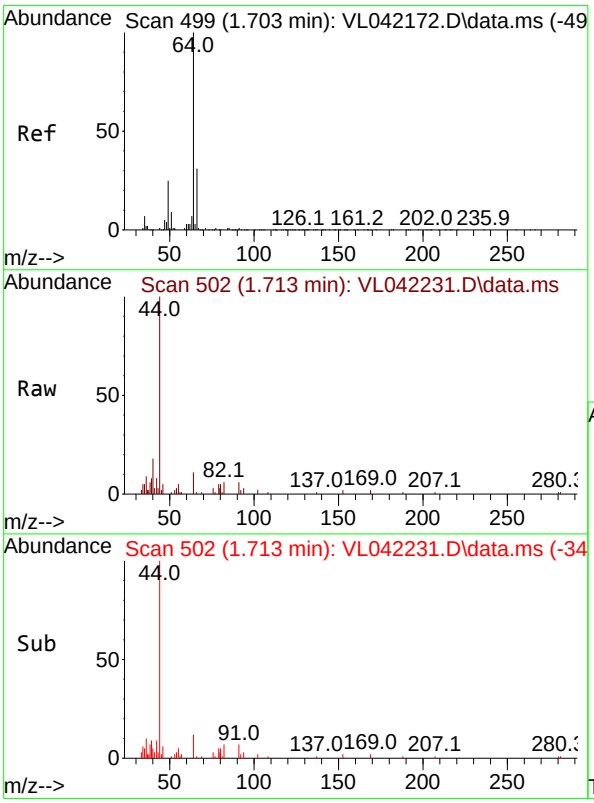
#6
Bromomethane
Concen: 0.062 ppbv
RT: 1.674 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 94 Resp: 345

Ion	Ratio	Lower	Upper
94	100		
96	50.0	73.1	109.7#

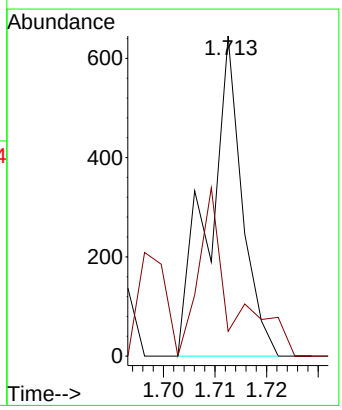


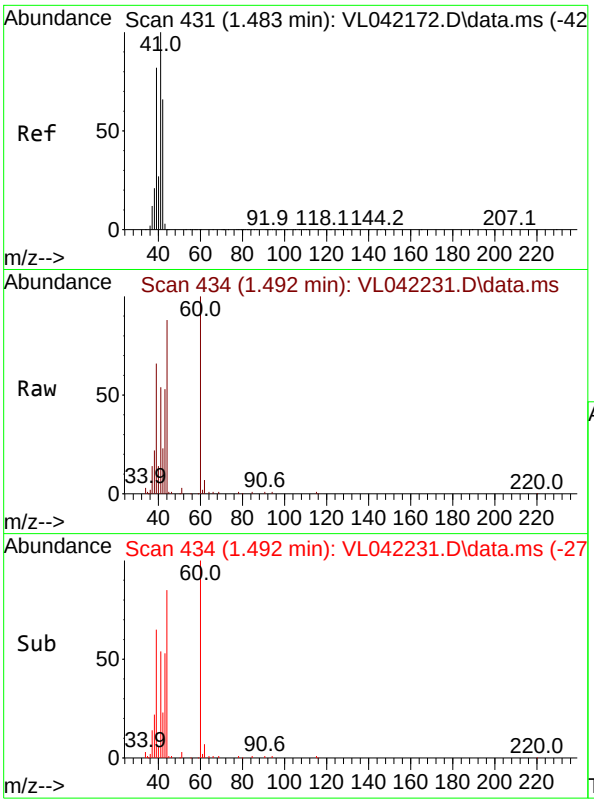


#7
Chloroethane
Concen: 0.059 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 64 Resp: 289

Ion	Ratio	Lower	Upper
64	100		
66	7.8	25.2	37.8#



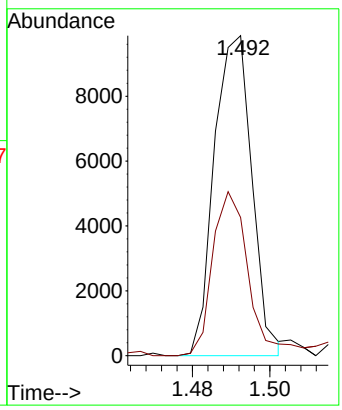


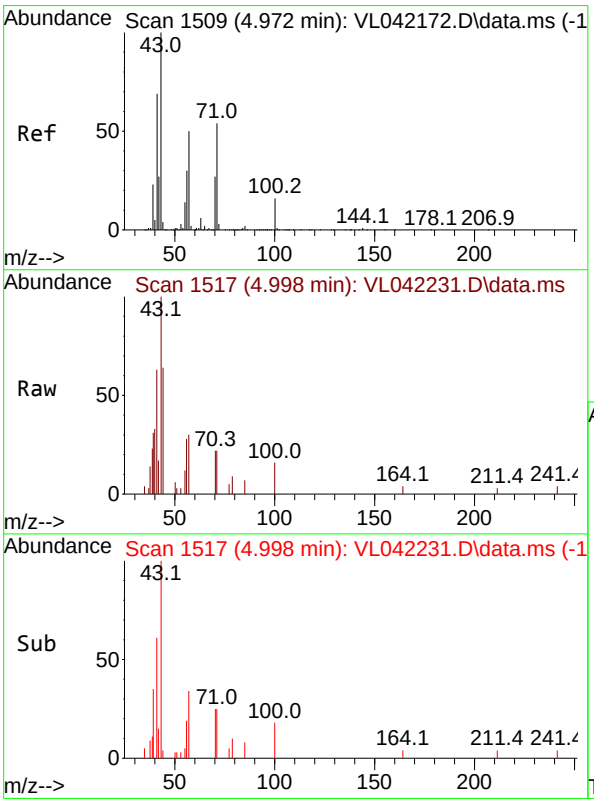
#9
Propene
Concen: 0.476 ppbv
RT: 1.492 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 41 Resp: 6667

Ion	Ratio	Lower	Upper
41	100		
42	52.8	55.4	83.2#

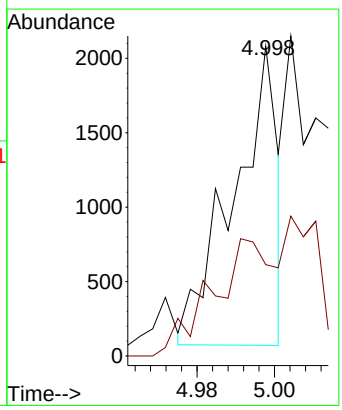


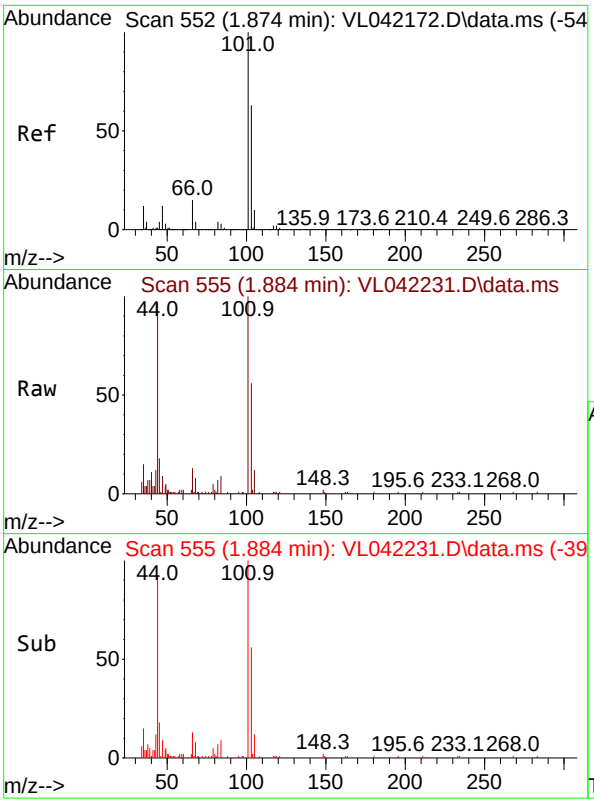


#10
Heptane
Concen: 0.043 ppbv
RT: 4.998 min Scan# 1517
Delta R.T. 0.026 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 43 Resp: 1591

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2#



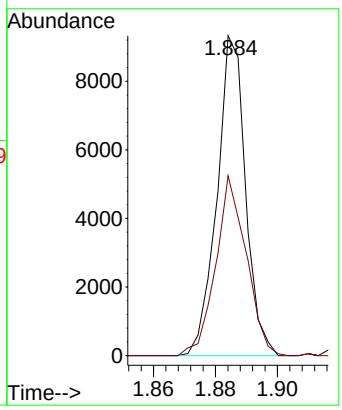


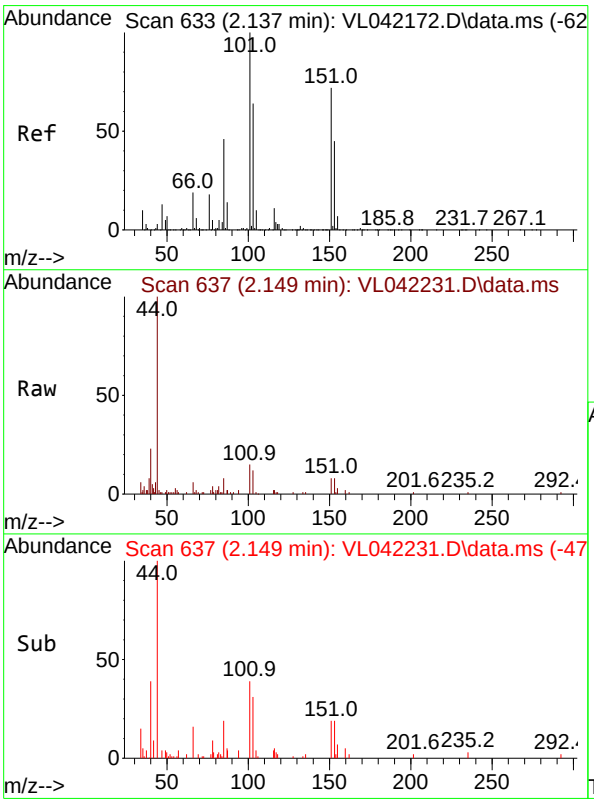
#11
Trichlorofluoromethane
Concen: 0.205 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion:101 Resp: 5976

Ion	Ratio	Lower	Upper
101	100		
103	56.2	50.2	75.2

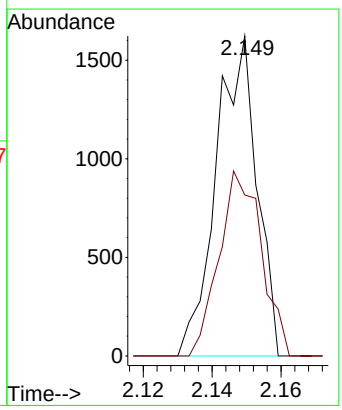


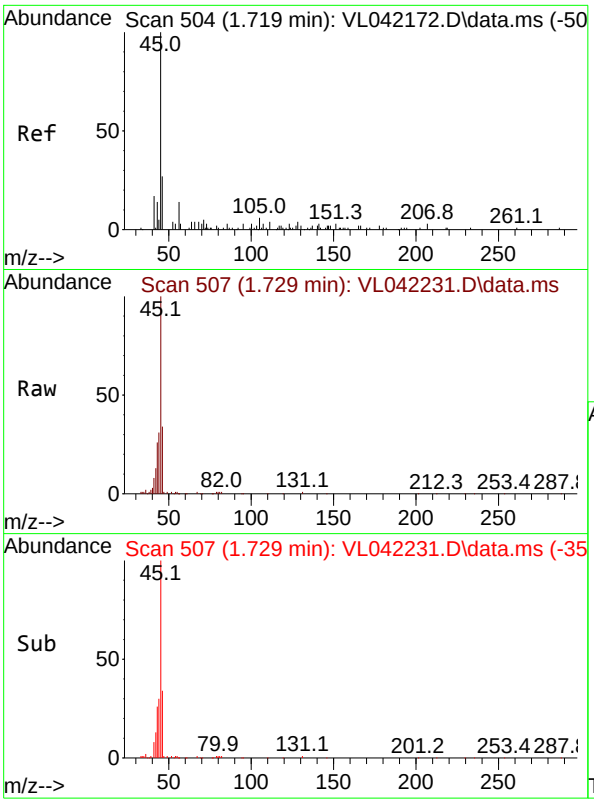


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.056 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:101 Resp: 1330

Ion	Ratio	Lower	Upper
101	100		
151	60.1	57.1	85.7



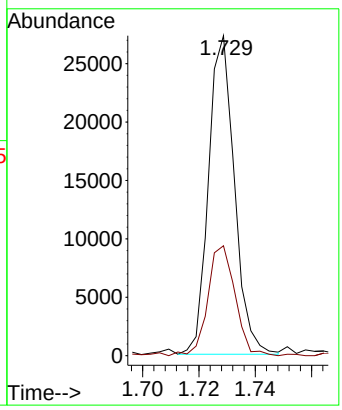


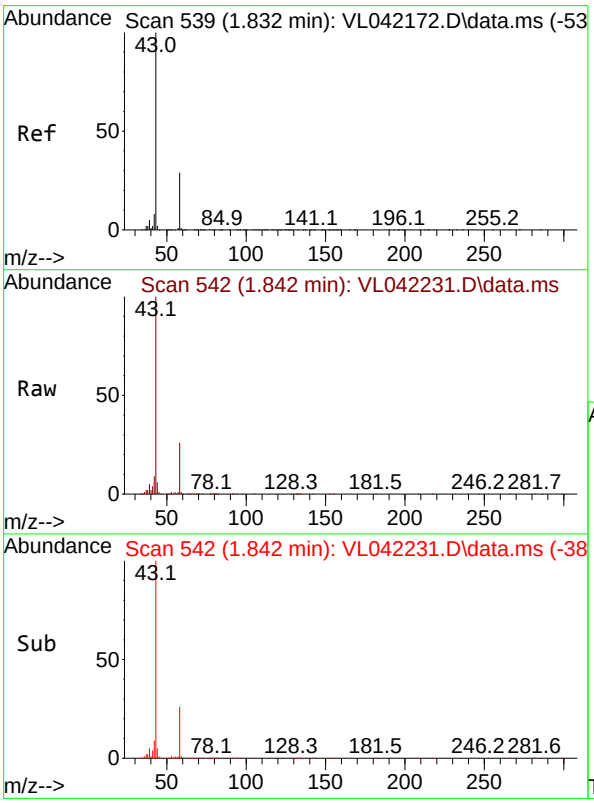
#13
Ethanol
Concen: 13.168 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 45 Resp: 17438

Ion	Ratio	Lower	Upper
45	100		
46	37.7	20.2	80.8

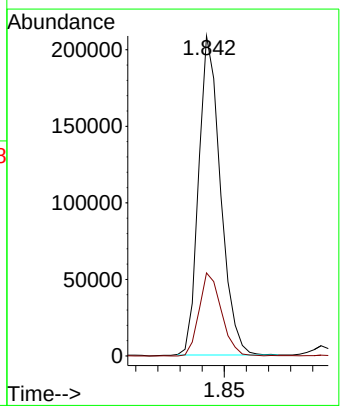


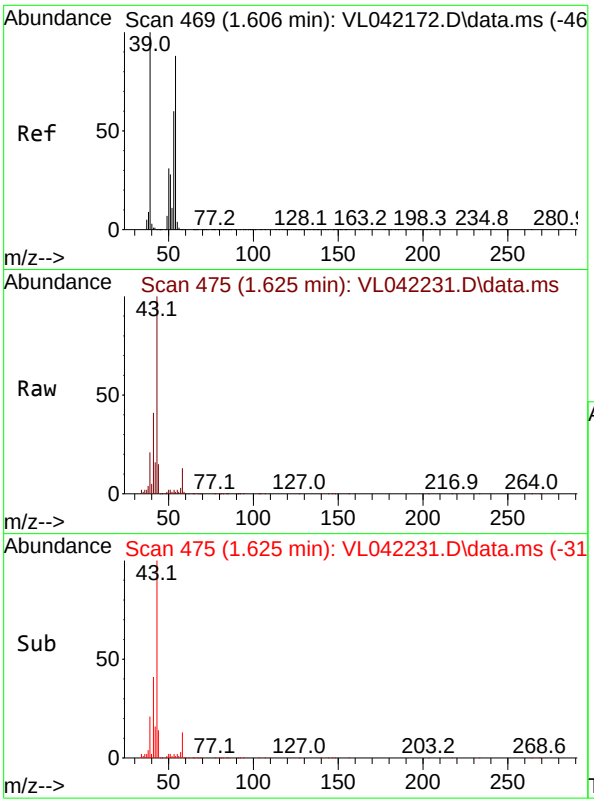


#15
Acetone
Concen: 5.053 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 43 Resp: 143188

Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.2	34.8



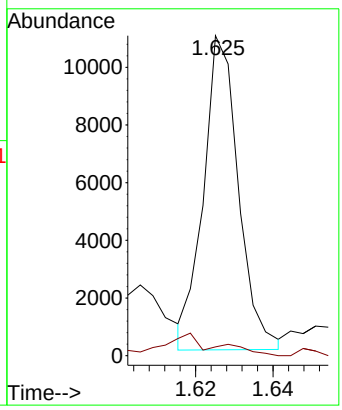


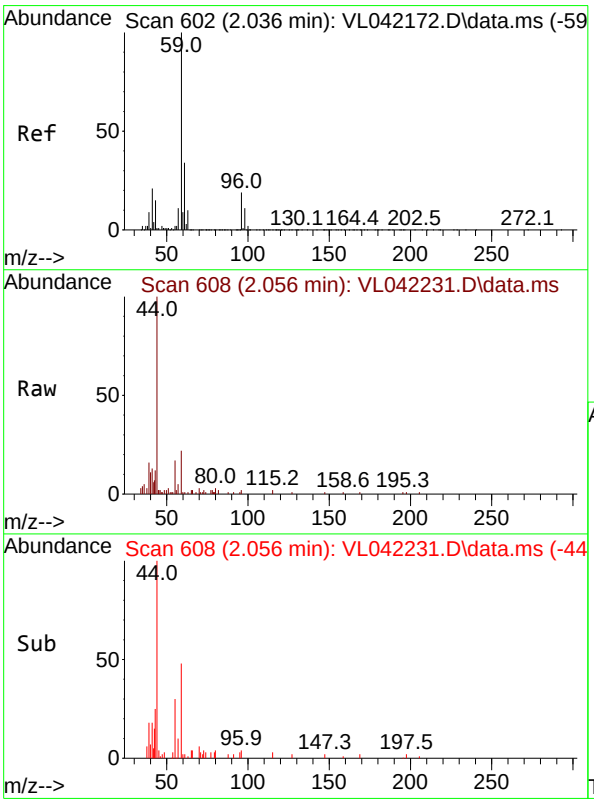
#16
1,3-Butadiene
Concen: 0.494 ppbv
RT: 1.625 min Scan# 4
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 39 Resp: 6834

Ion	Ratio	Lower	Upper
39	100		
54	16.1	60.7	91.1#

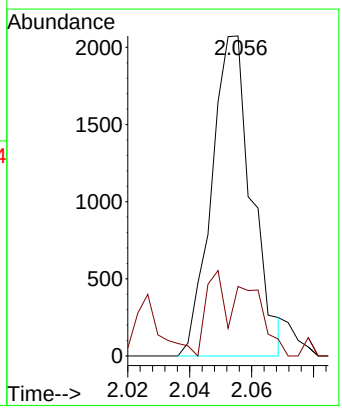


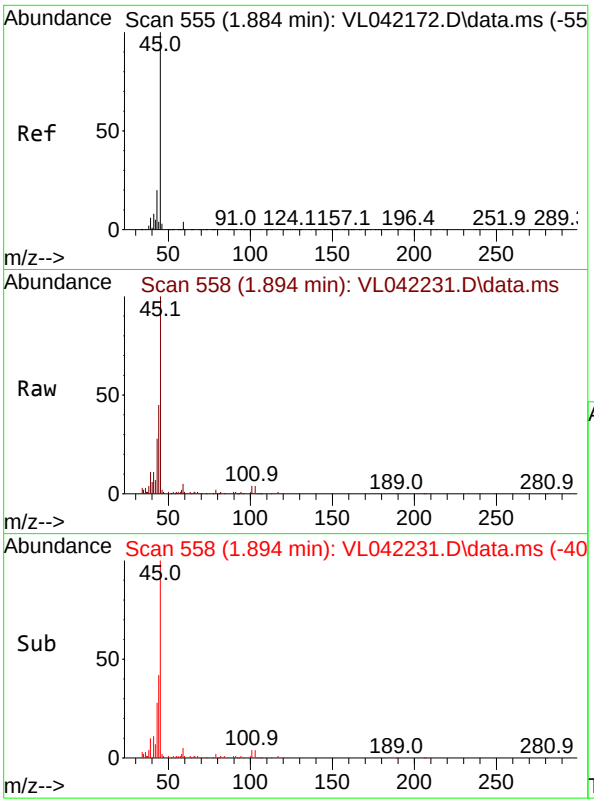


#17
tert-Butyl alcohol
Concen: 0.053 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 59 Resp: 1872

Ion	Ratio	Lower	Upper
59	100		
57	40.8	8.9	13.3#



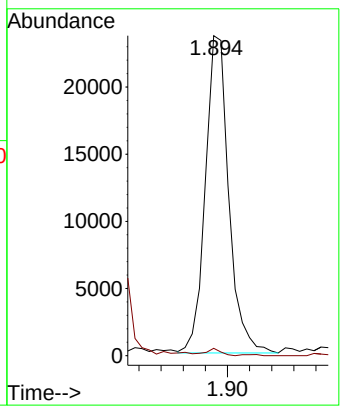


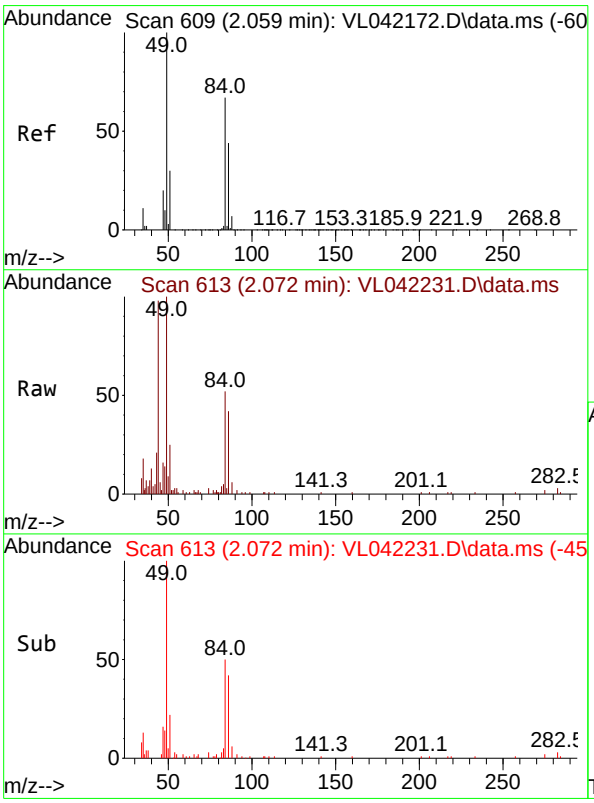
#19
Isopropyl Alcohol
Concen: 1.089 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 45 Resp: 17414

Ion	Ratio	Lower	Upper
45	100		
58	219.8	36.9	55.3#

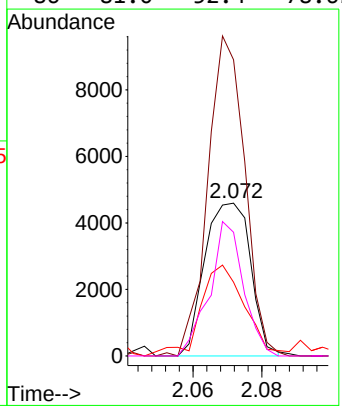


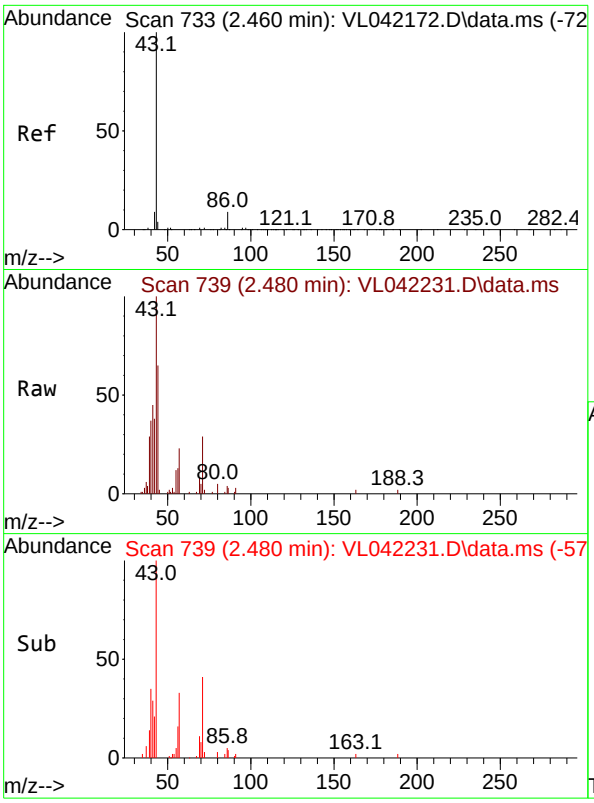


#20
Methylene Chloride
Concen: 0.404 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 84 Resp: 4263

Ion	Ratio	Lower	Upper
84	100		
49	191.3	120.2	180.4#
51	44.7	37.4	56.0
86	81.0	52.4	78.6#



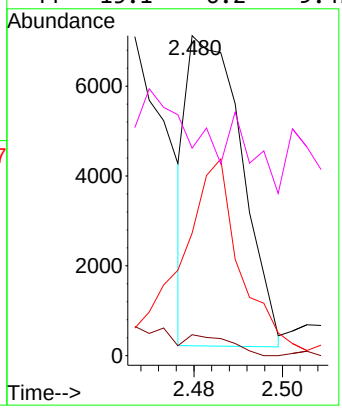


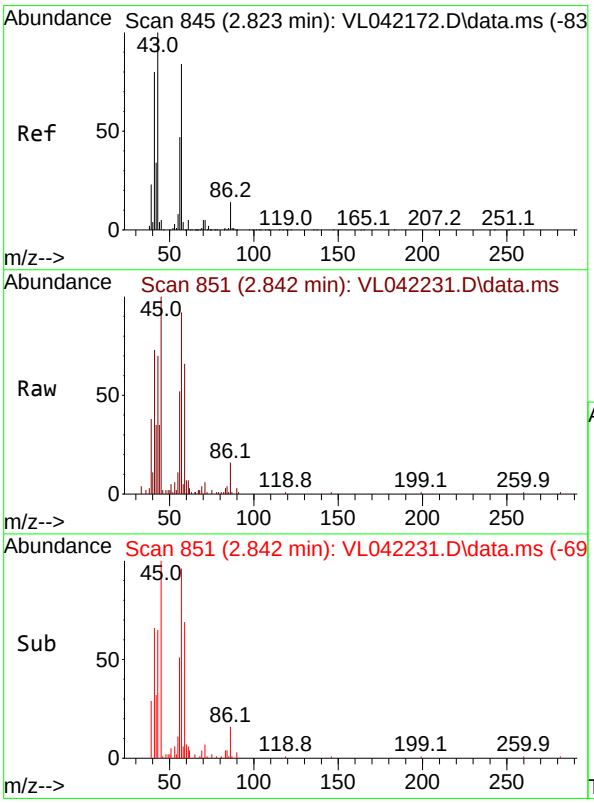
#23
Vinyl Acetate
Concen: 0.479 ppbv
RT: 2.480 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 43 Resp: 5875

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.5	8.3
42	33.3	8.6	13.0#
44	15.1	6.2	9.4#

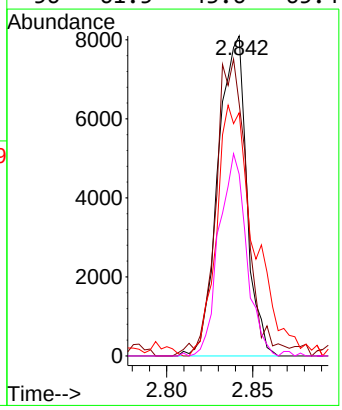


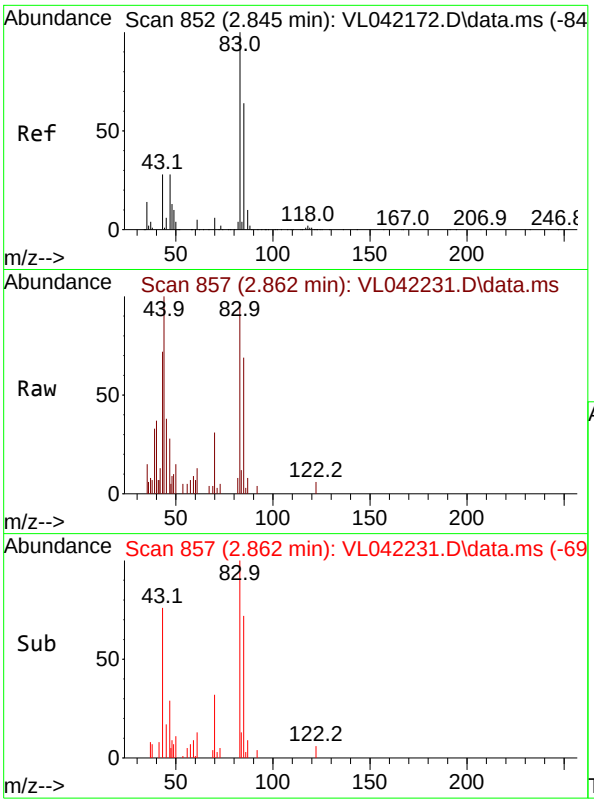


#26
Hexane
Concen: 0.329 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 57 Resp: 9360

Ion	Ratio	Lower	Upper
57	100		
41	101.0	76.6	114.8
43	110.0	207.8	311.8#
56	61.5	43.6	65.4



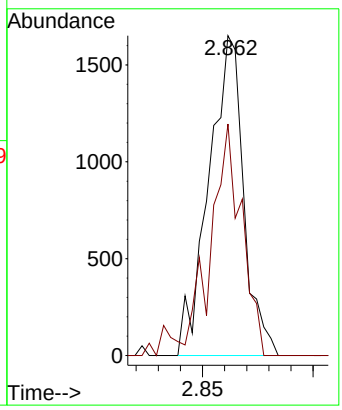


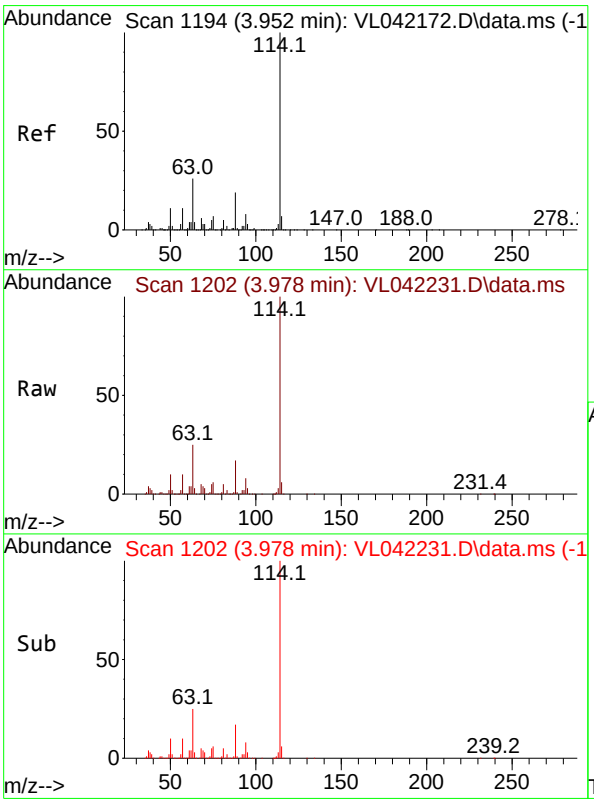
#29
Chloroform
Concen: 0.043 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 83 Resp: 1797

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2

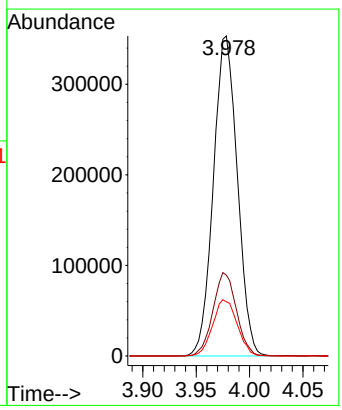


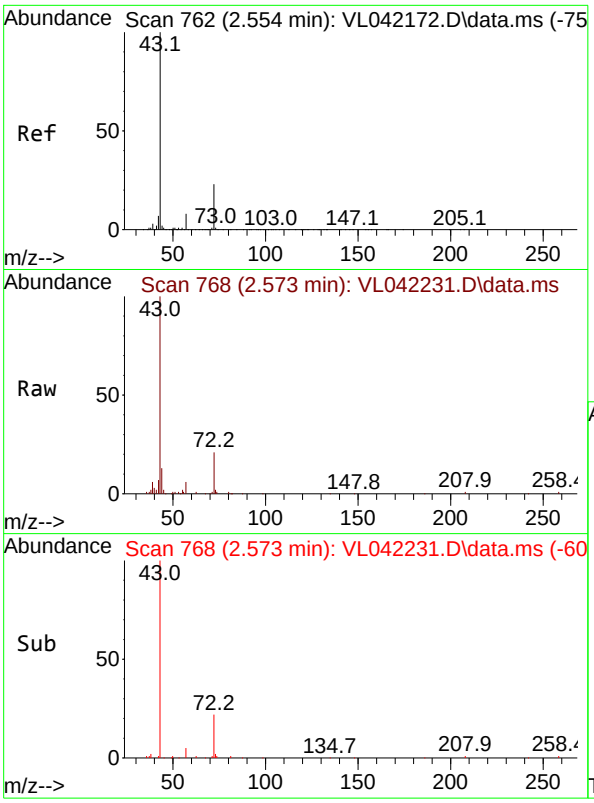


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.026 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:114 Resp: 551417

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	18.0	15.0	22.4



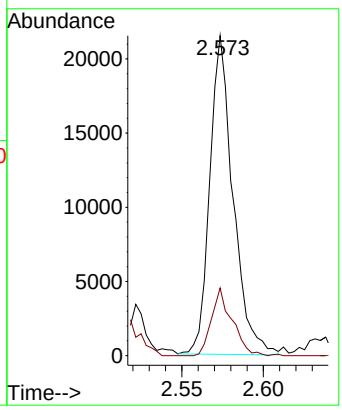


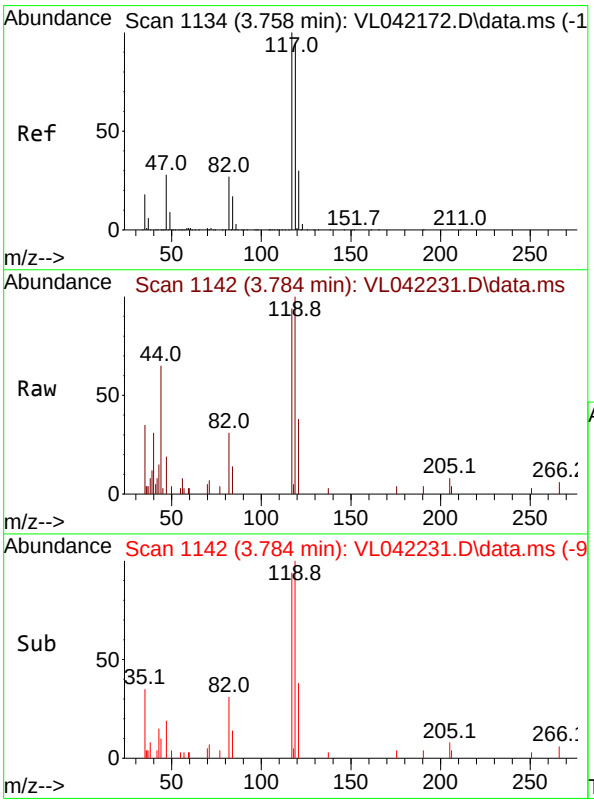
#34
2-Butanone
Concen: 0.534 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 43 Resp: 21340

Ion	Ratio	Lower	Upper
43	100		
72	18.9	18.2	27.2

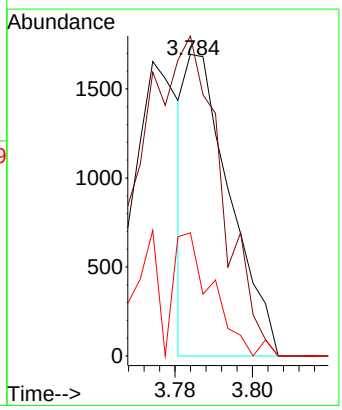


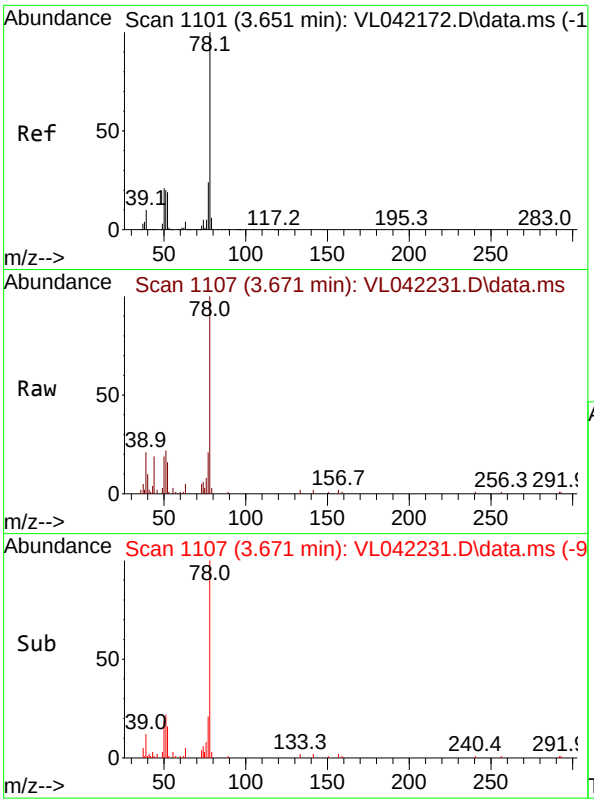


#35
Carbon Tetrachloride
Concen: 0.031 ppbv
RT: 3.784 min Scan# 1142
Delta R.T. 0.026 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:117 Resp: 1350

Ion	Ratio	Lower	Upper
117	100		
119	106.1	76.2	114.2
121	40.8	24.2	36.4#



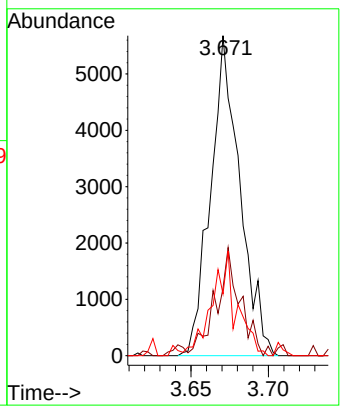


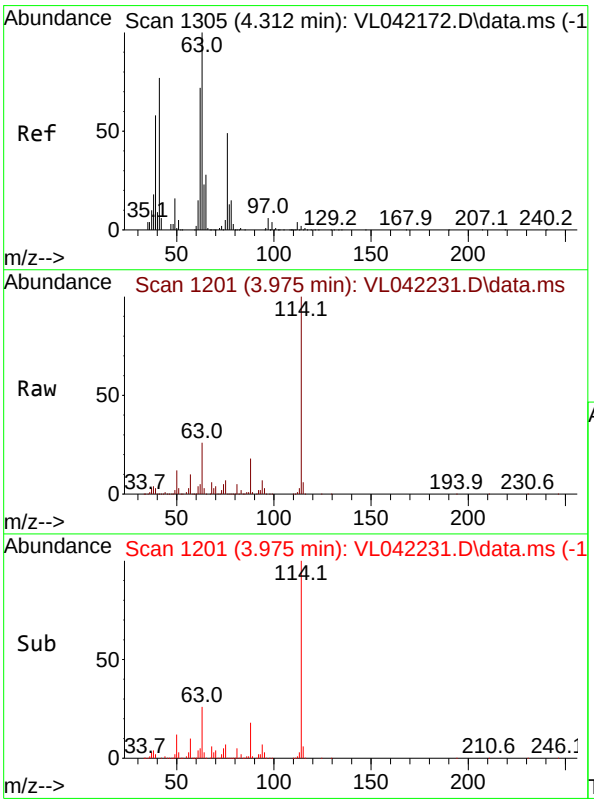
#36
Benzene
Concen: 0.137 ppbv
RT: 3.671 min Scan# 11
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 78 Resp: 7483

Ion	Ratio	Lower	Upper
78	100		
77	18.7	19.1	28.7#
50	17.7	16.6	24.8

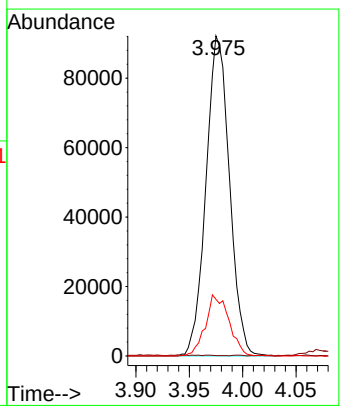


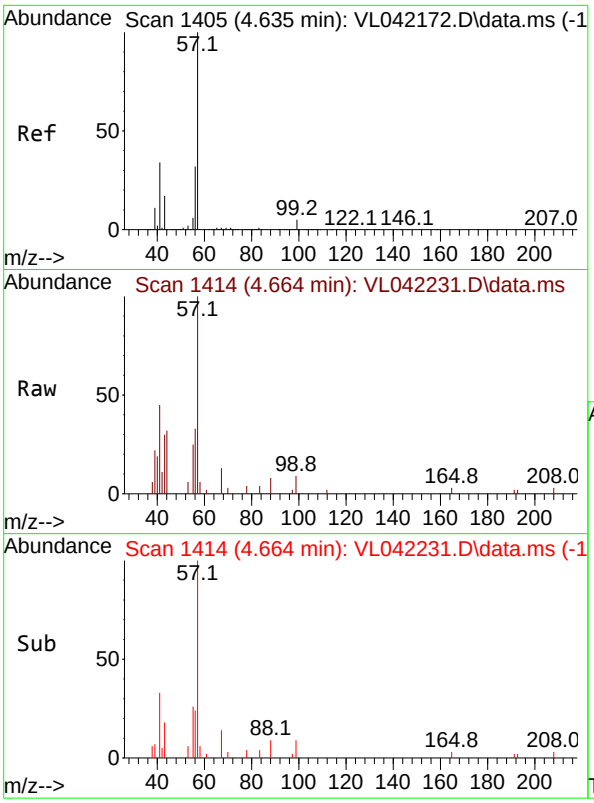


#39
1,2-Dichloropropane
Concen: 7.086 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.337 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 63 Resp: 141072

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.7	92.5#
62	17.7	57.6	86.4#



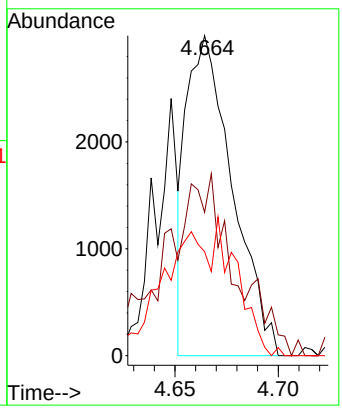


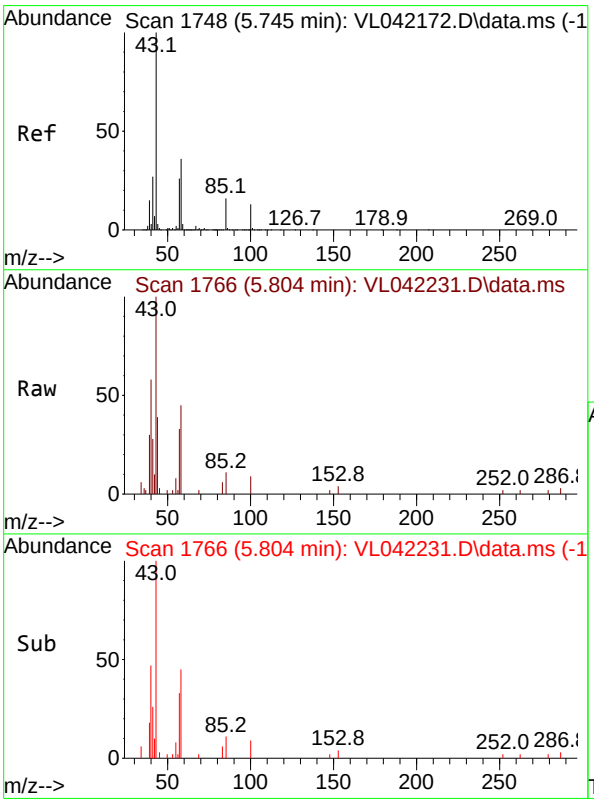
#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 4.664 min Scan# 14
Delta R.T. 0.029 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 57 Resp: 4650

Ion	Ratio	Lower	Upper
57	100		
41	95.6	26.8	40.2#
56	60.4	25.6	38.4#

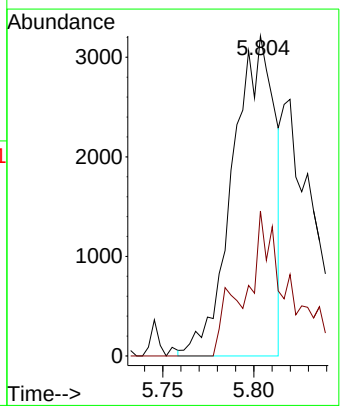


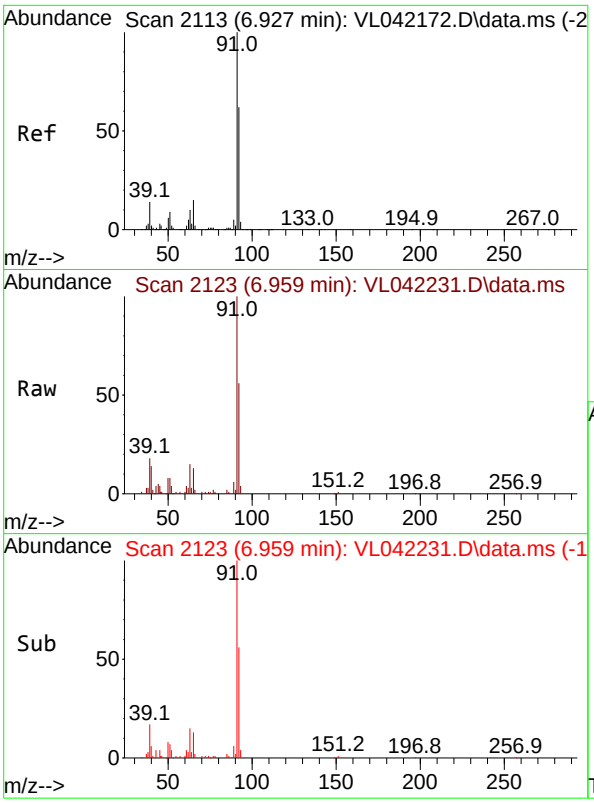


#50
4-Methyl-2-Pentanone
Concen: 0.081 ppbv
RT: 5.804 min Scan# 1766
Delta R.T. 0.058 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 43 Resp: 5156

Ion	Ratio	Lower	Upper
43	100		
58	50.2	29.0	43.6#



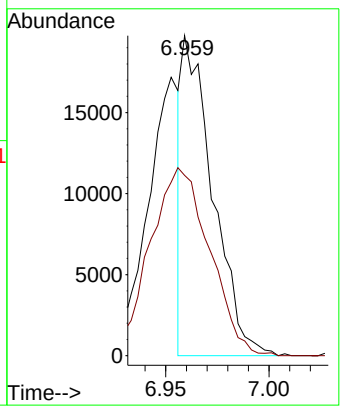


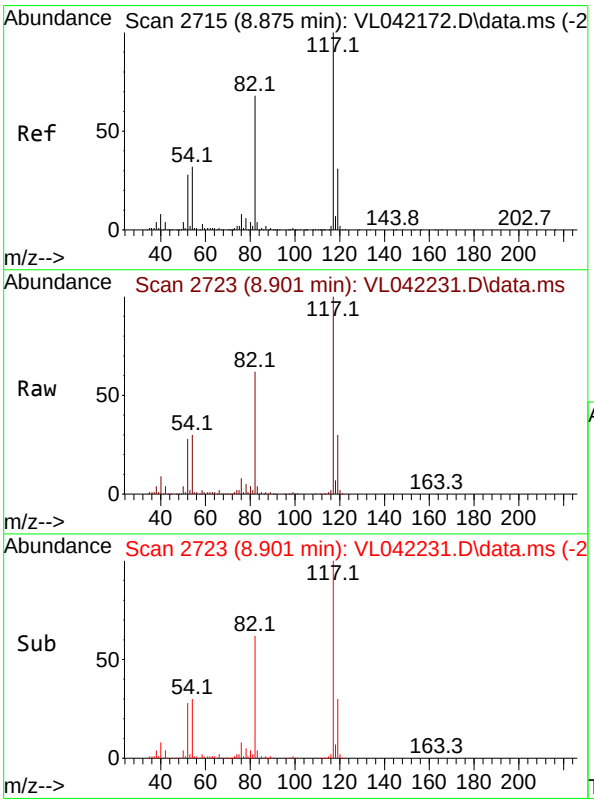
#53
Toluene
Concen: 0.313 ppbv
RT: 6.959 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 91 Resp: 20311

Ion	Ratio	Lower	Upper
91	100		
92	115.8	48.4	72.6#

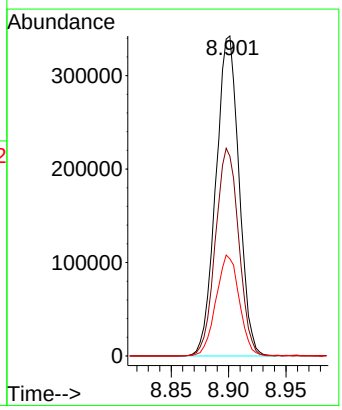


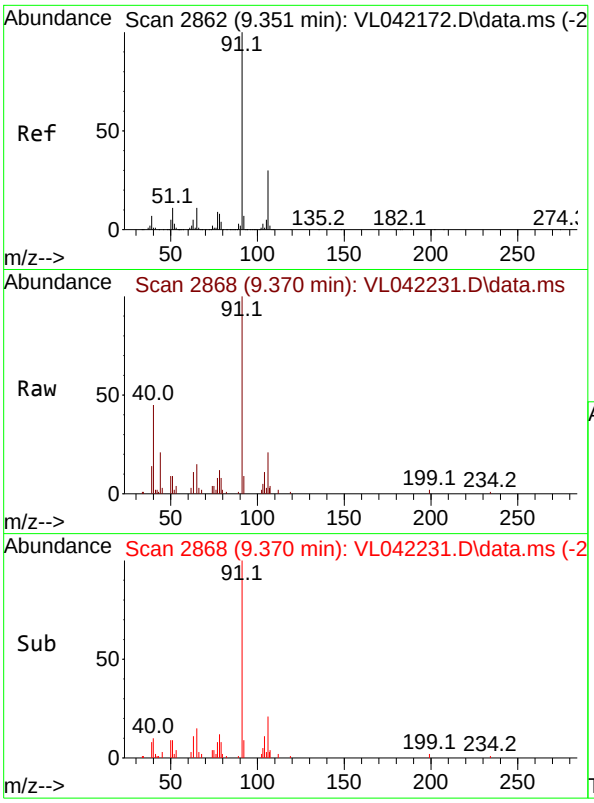


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.026 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:117 Resp: 479781

Ion	Ratio	Lower	Upper
117	100		
82	65.5	55.8	83.6
119	32.0	25.5	38.3



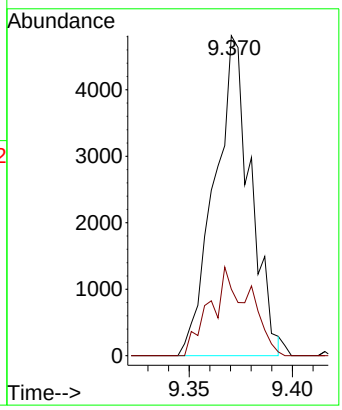


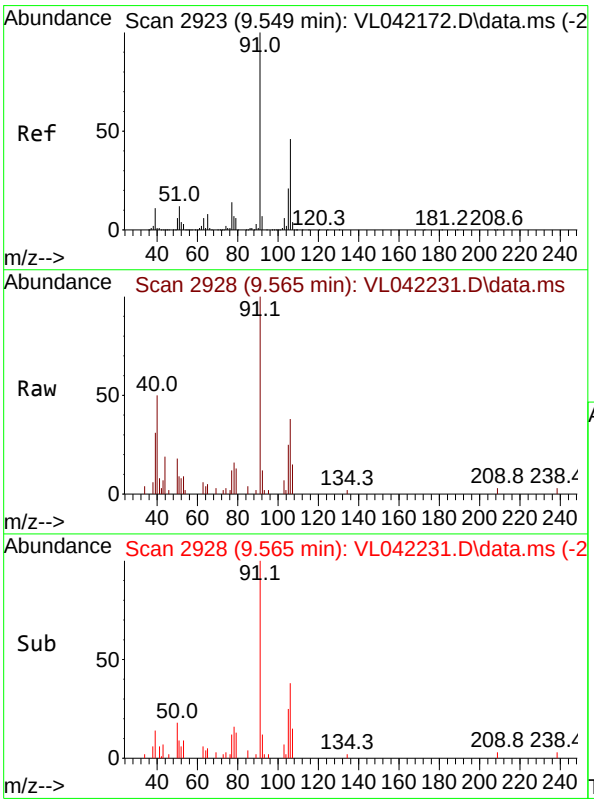
#58
Ethyl Benzene
Concen: 0.069 ppbv
RT: 9.370 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 91 Resp: 5840

Ion	Ratio	Lower	Upper
91	100		
106	20.8	24.2	36.2#

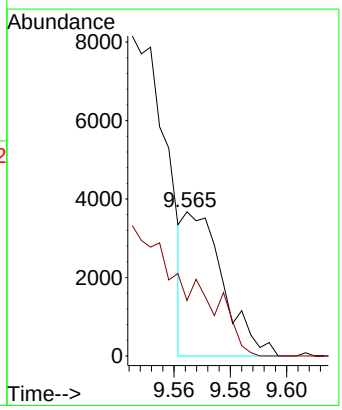


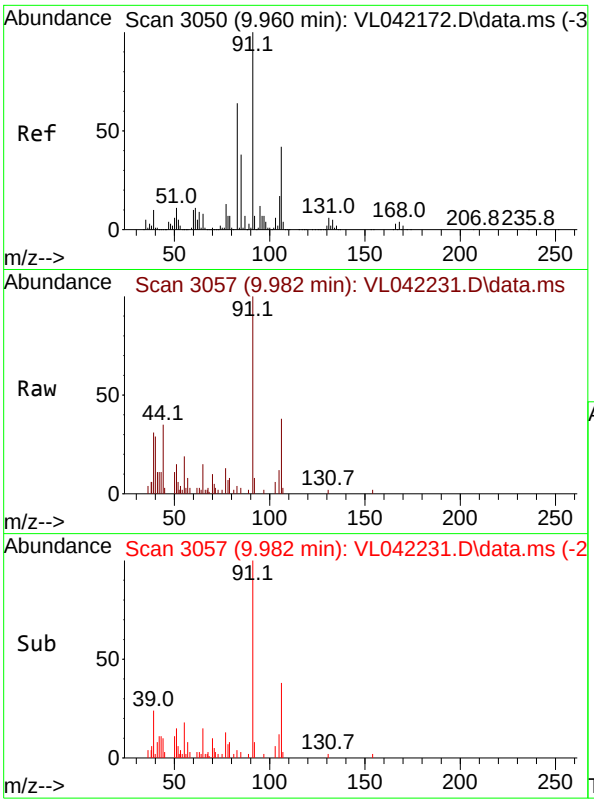


#59
m/p-Xylene
Concen: 0.052 ppbv
RT: 9.565 min Scan# 2928
Delta R.T. 0.016 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 91 Resp: 3568

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#



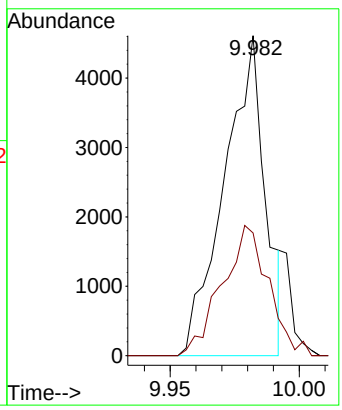


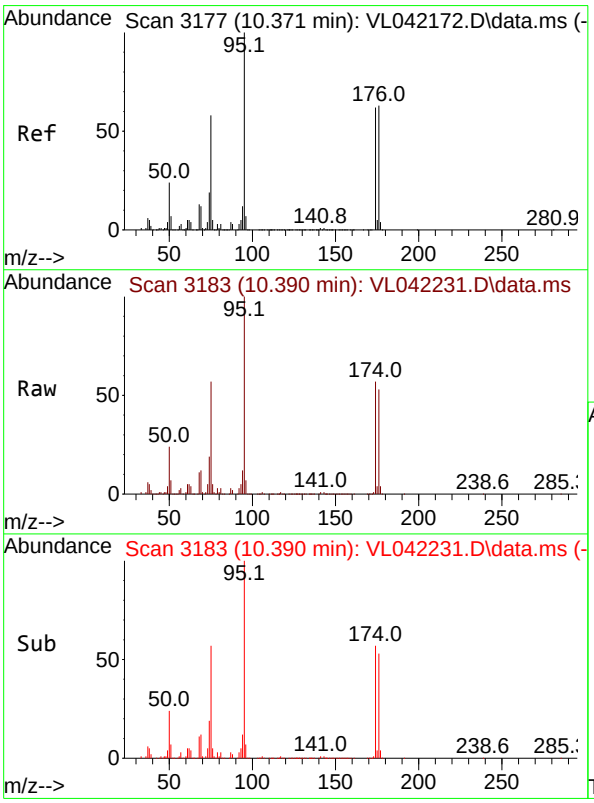
#60
o-Xylene
Concen: 0.074 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion: 91 Resp: 5058

Ion	Ratio	Lower	Upper
91	100		
106	46.3	20.8	62.5

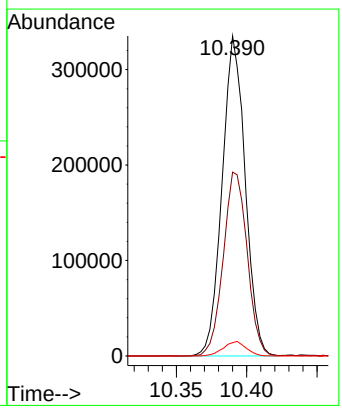


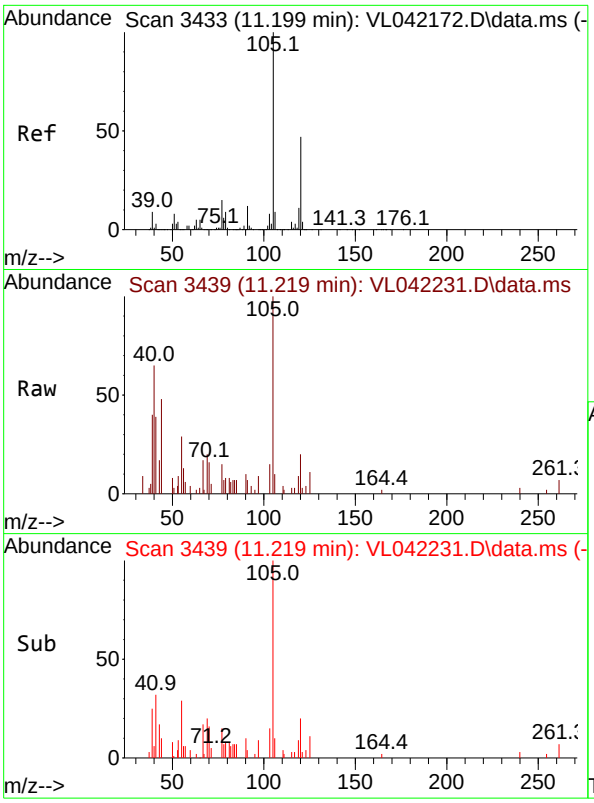


#68
1-Bromo-4-Fluorobenzene
Concen: 9.674 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion: 95 Resp: 381172

Ion	Ratio	Lower	Upper
95	100		
174	59.8	50.6	76.0
175	4.5	3.8	5.6



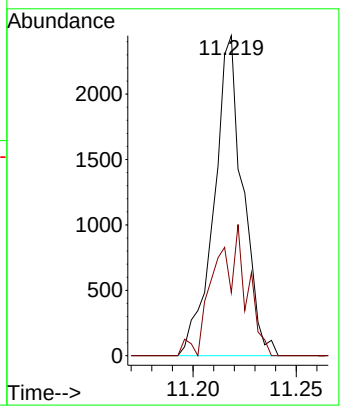


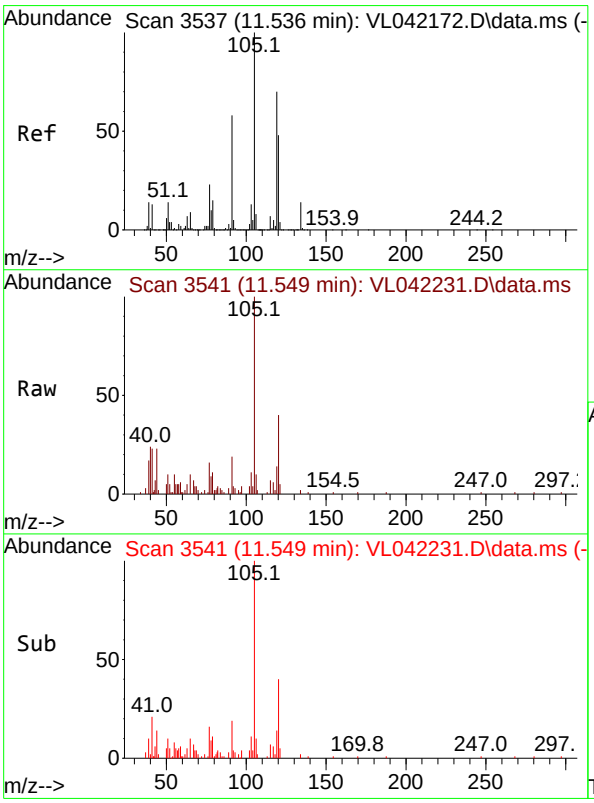
#73
1,3,5-Trimethylbenzene
Concen: 0.032 ppbv
RT: 11.219 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025

Tgt Ion:105 Resp: 2375

Ion	Ratio	Lower	Upper
105	100		
120	19.7	37.4	56.0#

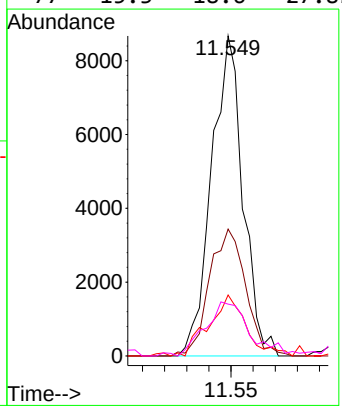




#74
1,2,4-Trimethylbenzene
Concen: 0.100 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.013 min
Lab File: VL042231.D
Acq: 07 Apr 2025 12:27

Tgt Ion:105 Resp: 8564

Ion	Ratio	Lower	Upper
105	100		
120	38.5	38.6	58.0#
91	18.1	46.2	69.2#
77	15.3	18.6	27.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042232.D
Acq On : 07 Apr 2025 13:00
Operator : SY/MD
Sample : Q1725-04DUP
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Quant Time: Apr 08 01:31:10 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	201241	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	543996	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	475092	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	378319	9.697	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	11976	0.403	ppbv	94
3) Chlorodifluoromethane	1.482	51	12242	0.403	ppbv #	87
4) Chloromethane	1.541	50	6769	0.557	ppbv	96
7) Chloroethane	1.712	64	184	0.038	ppbv #	1
9) Propene	1.492	41	5803	0.417	ppbv	100
10) Heptane	5.010	43	2369	0.064	ppbv	93
11) Trichlorofluoromethane	1.887	101	6183	0.214	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.152	101	1377	0.058	ppbv	100
13) Ethanol	1.728	45	17233	13.103	ppbv	80
15) Acetone	1.845	43	145846	5.182	ppbv	95
16) 1,3-Butadiene	1.609	39	1286	0.094	ppbv #	72
17) tert-Butyl alcohol	2.052	59	2032	0.058	ppbv #	60
19) Isopropyl Alcohol	1.897	45	16701	1.052	ppbv #	1
20) Methylene Chloride	2.072	84	4976	0.475	ppbv	95
23) Vinyl Acetate	2.470	43	7240	0.594	ppbv #	45
25) Ethyl Acetate	2.842	43	8562	0.117	ppbv #	1
26) Hexane	2.842	57	9327	0.331	ppbv #	36
29) Chloroform	2.861	83	1512	0.037	ppbv	84
34) 2-Butanone	2.576	43	19408	0.492	ppbv	96
35) Carbon Tetrachloride	3.790	117	2497	0.059	ppbv #	95
36) Benzene	3.677	78	6934	0.129	ppbv #	95
39) 1,2-Dichloropropane	3.984	63	140099	7.133	ppbv #	21
40) 1,4-Dioxane	4.641	88	569	0.055	ppbv #	1
44) 2,2,4-Trimethylpentane	4.671	57	4007	0.044	ppbv #	33
50) 4-Methyl-2-Pentanone	5.803	43	3269	0.052	ppbv #	42
53) Toluene	6.962	91	37601	0.588	ppbv	99
58) Ethyl Benzene	9.551	91	10646	0.126	ppbv	91
59) m/p-Xylene	9.568	91	3947	0.059	ppbv #	31
74) 1,2,4-Trimethylbenzene	11.555	105	8275	0.098	ppbv #	61

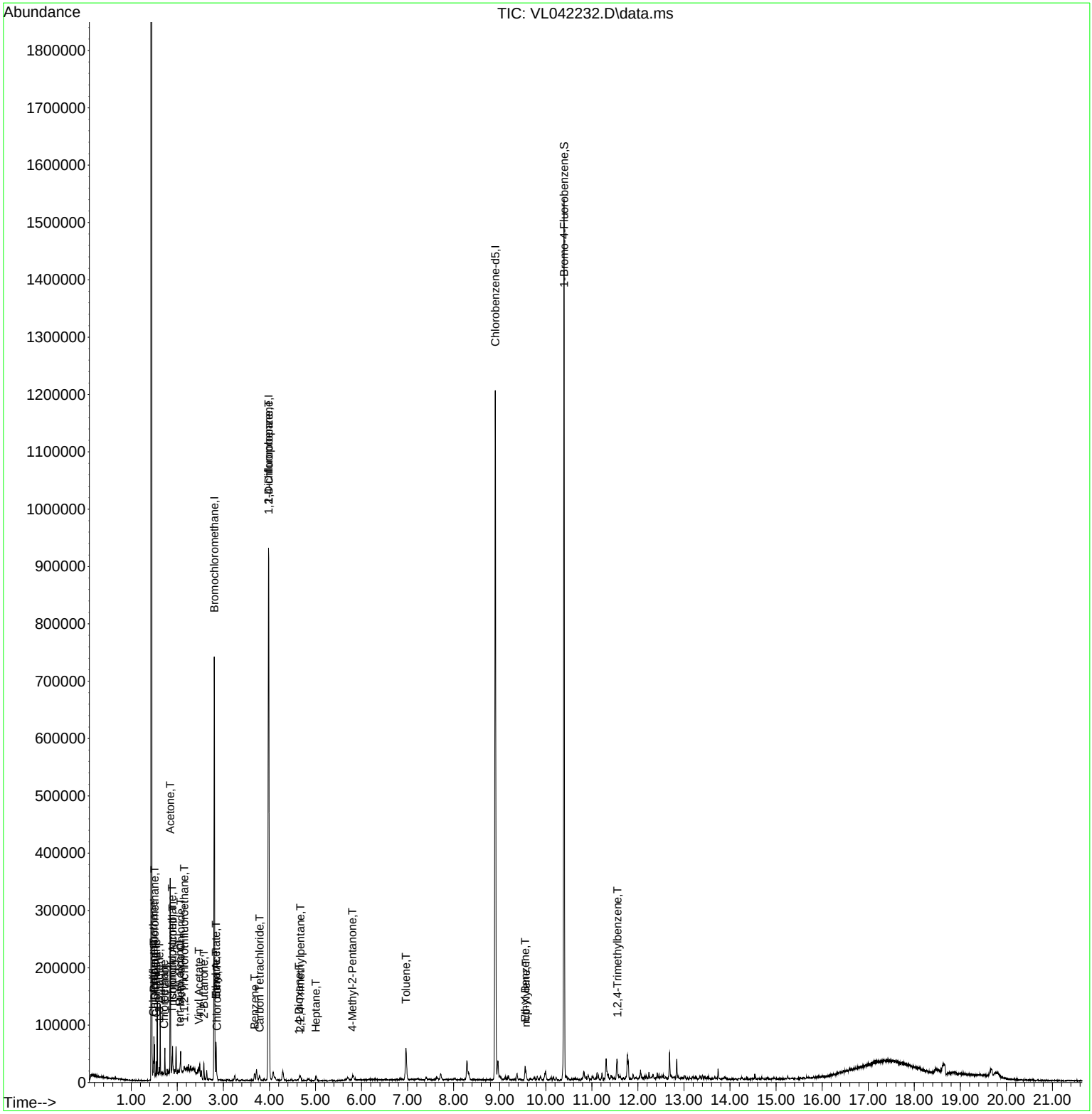
(#) = qualifier out of range (m) = manual integration (+) = signals summed

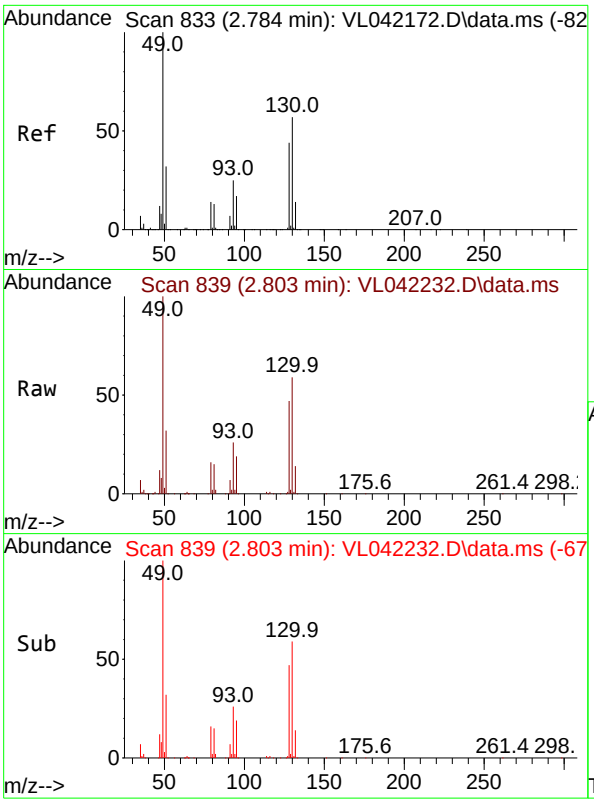
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042232.D
Acq On : 07 Apr 2025 13:00
Operator : SY/MD
Sample : Q1725-04DUP
Misc : 400mL/MSVOA_L
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Quant Time: Apr 08 01:31:10 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



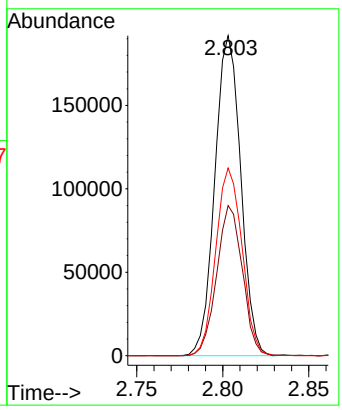


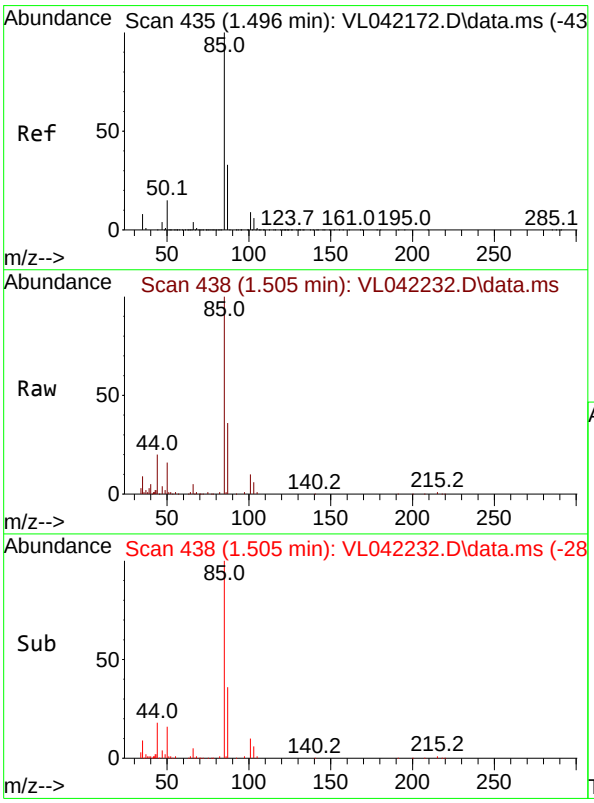
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 49 Resp: 201241

Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.9	68.5
130	59.2	28.8	86.4

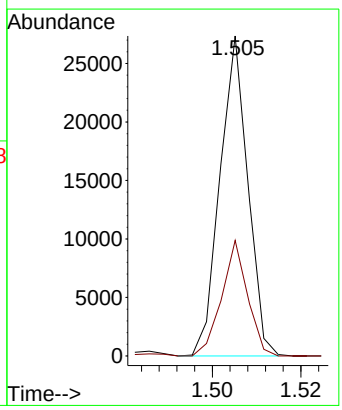


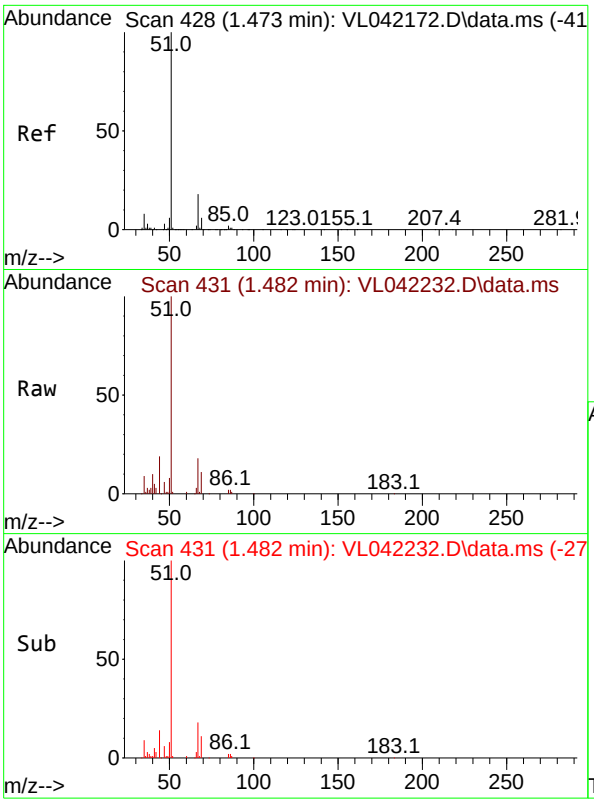


#2
Dichlorodifluoromethane
Concen: 0.403 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 85 Resp: 11976

Ion	Ratio	Lower	Upper
85	100		
87	36.1	26.1	39.1



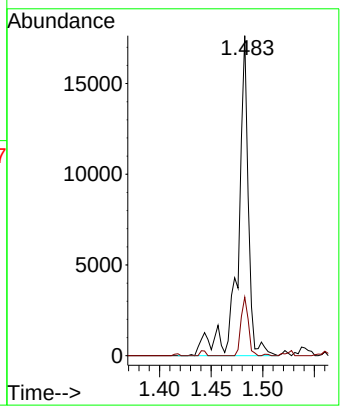


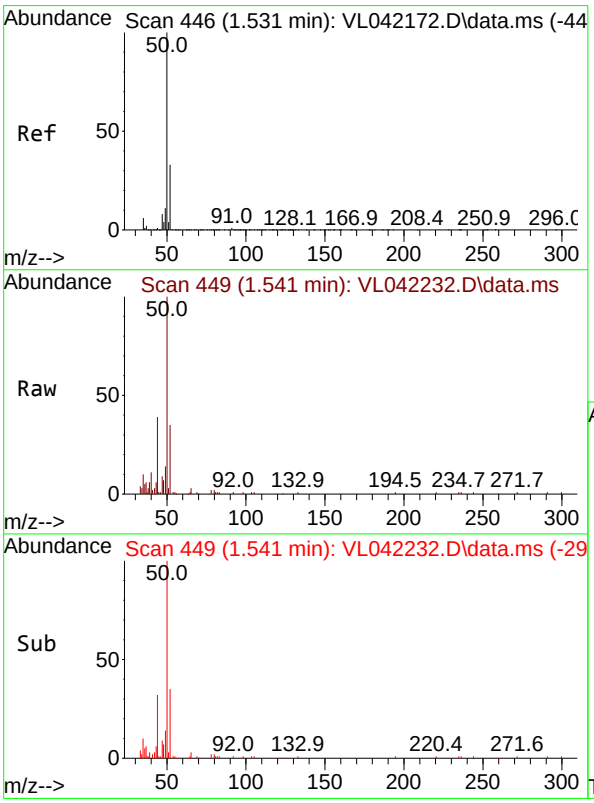
#3
Chlorodifluoromethane
Concen: 0.403 ppbv
RT: 1.482 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 51 Resp: 12242

Ion	Ratio	Lower	Upper
51	100		
67	13.2	15.0	22.6#

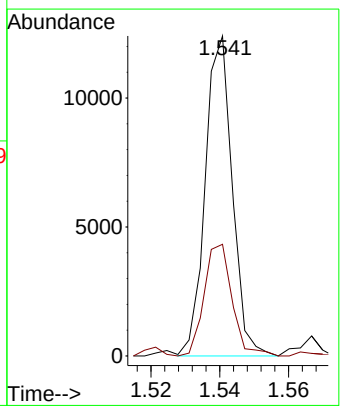


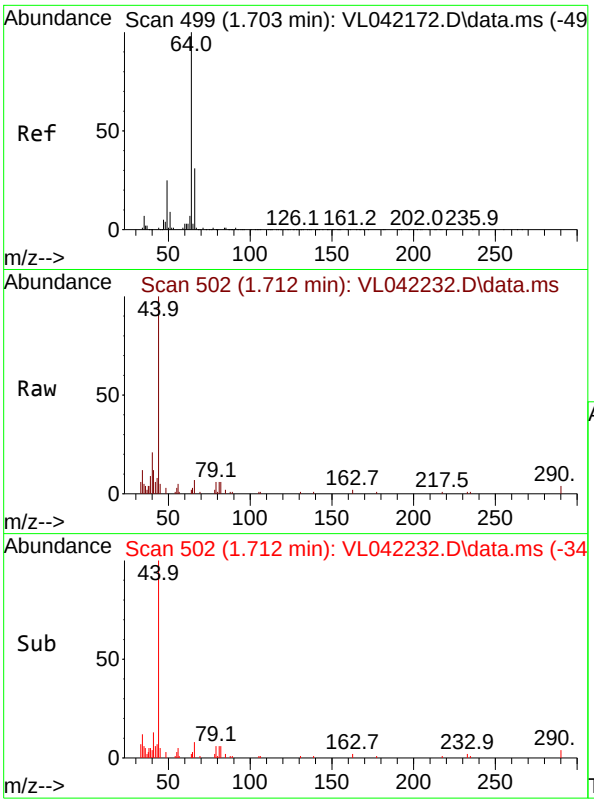


#4
Chloromethane
Concen: 0.557 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 50 Resp: 6769

Ion	Ratio	Lower	Upper
50	100		
52	34.9	26.1	39.1



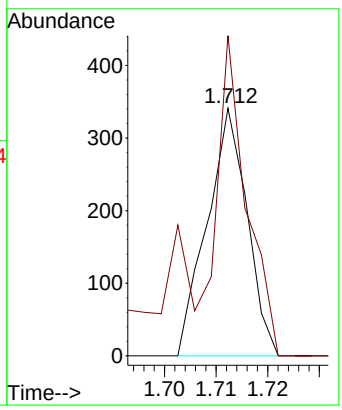


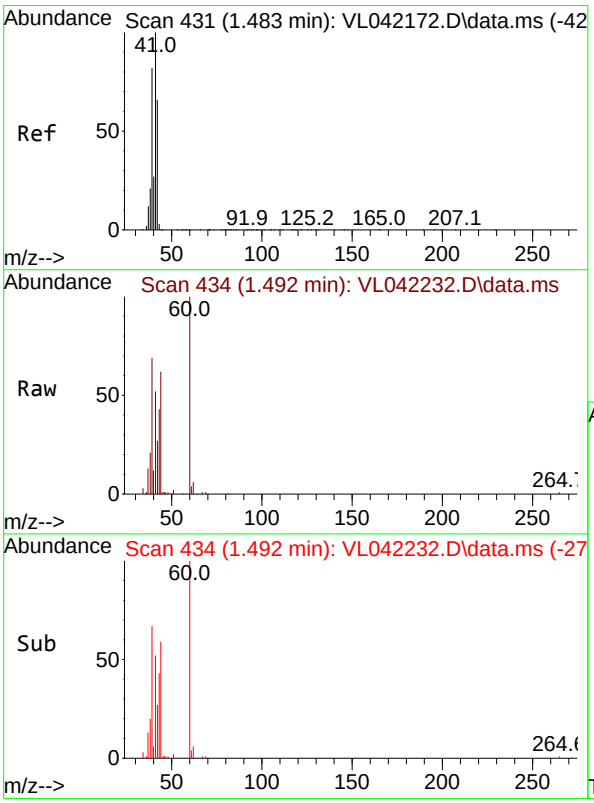
#7
Chloroethane
Concen: 0.038 ppbv
RT: 1.712 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 64 Resp: 184

Ion	Ratio	Lower	Upper
64	100		
66	129.3	25.2	37.8#

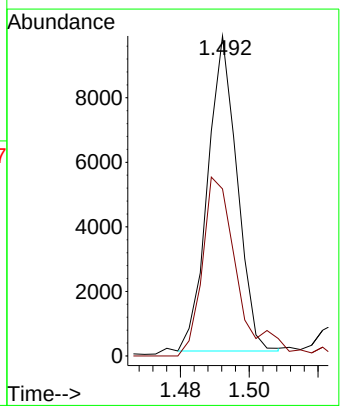


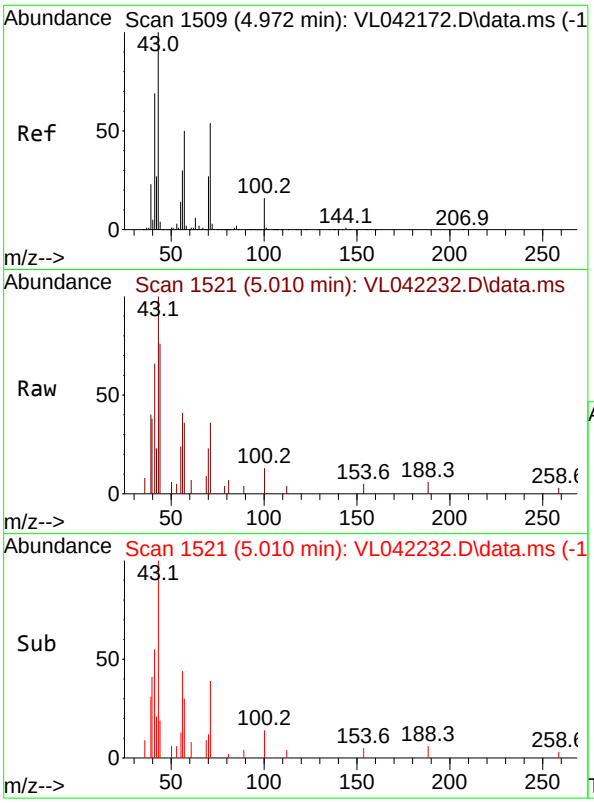


#9
Propene
Concen: 0.417 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 41 Resp: 5803

Ion	Ratio	Lower	Upper
41	100		
42	69.5	55.4	83.2



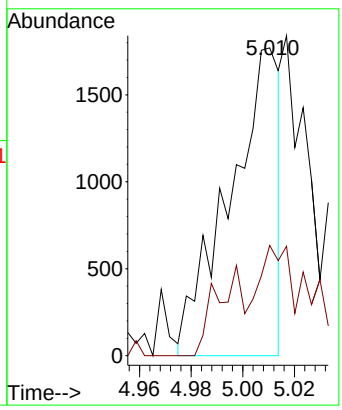


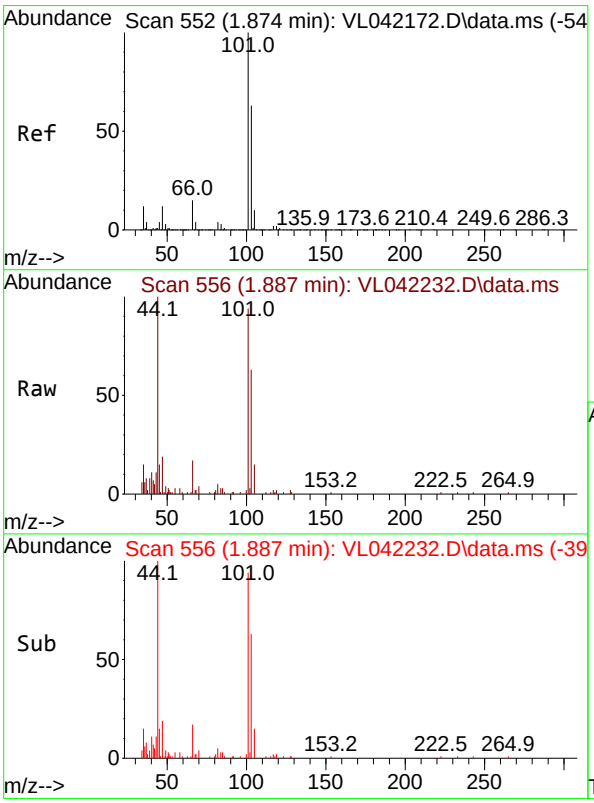
#10
Heptane
Concen: 0.064 ppbv
RT: 5.010 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 43 Resp: 2369

Ion	Ratio	Lower	Upper
43	100		
57	54.0	39.4	59.2

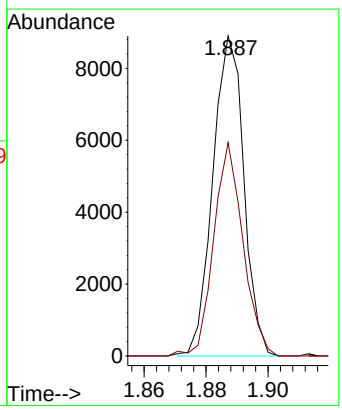


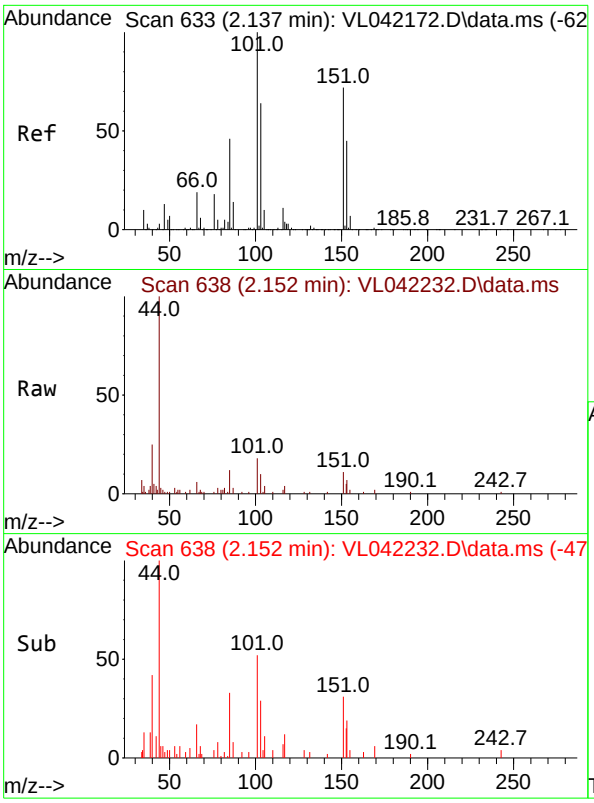


#11
Trichlorofluoromethane
Concen: 0.214 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion:101 Resp: 6183

Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.2	75.2



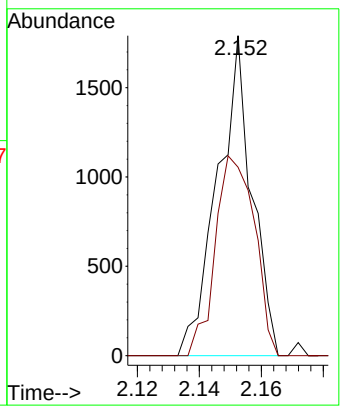


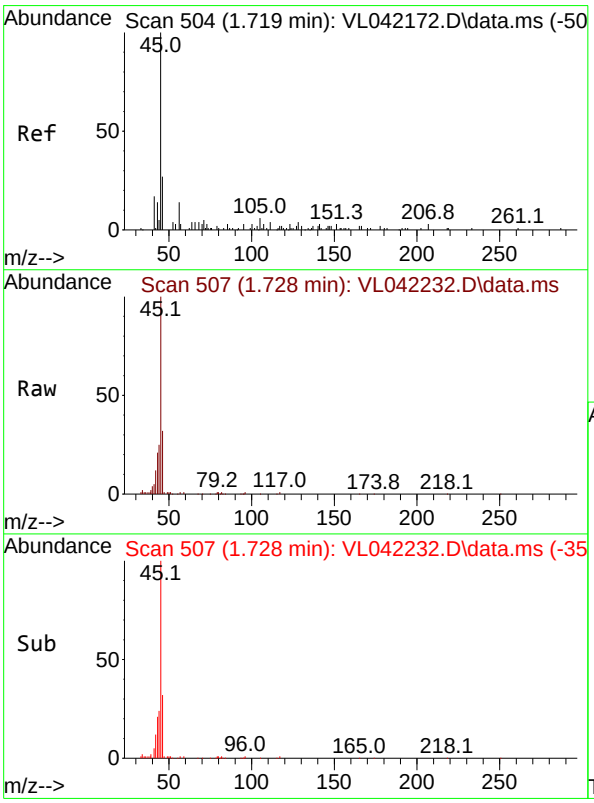
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.058 ppbv
RT: 2.152 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion:101 Resp: 1377

Ion	Ratio	Lower	Upper
101	100		
151	71.3	57.1	85.7

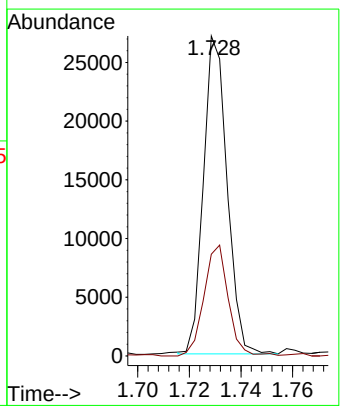


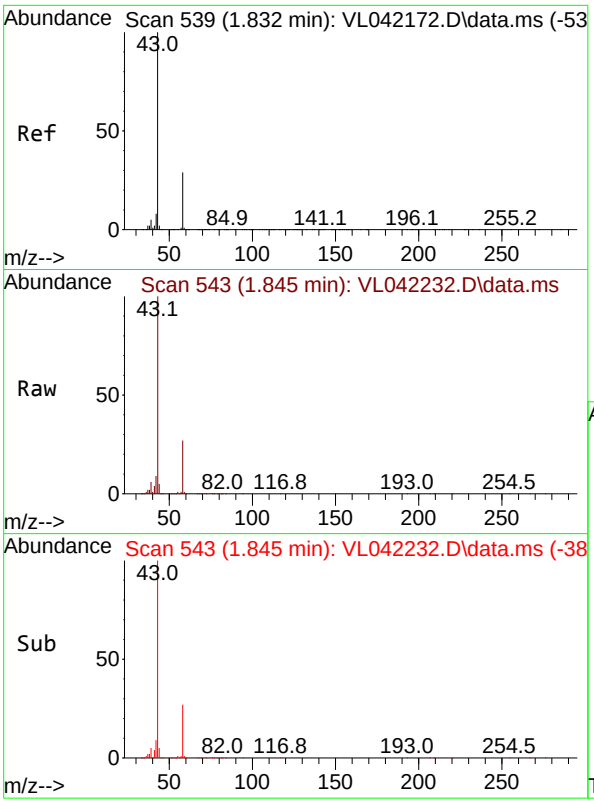


#13
Ethanol
Concen: 13.103 ppbv
RT: 1.728 min Scan# 507
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 45 Resp: 17233

Ion	Ratio	Lower	Upper
45	100		
46	36.8	20.2	80.8



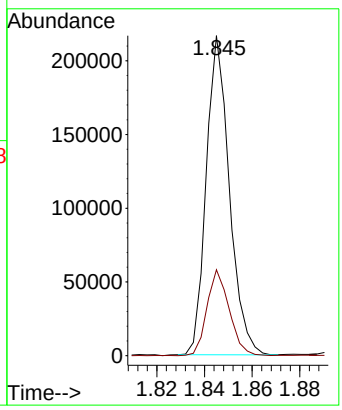


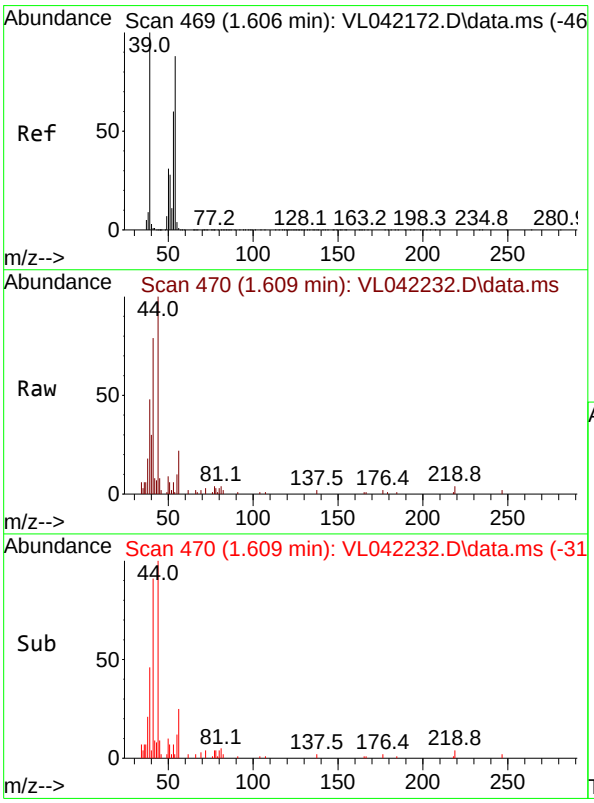
#15
Acetone
Concen: 5.182 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 43 Resp: 145846

Ion	Ratio	Lower	Upper
43	100		
58	26.2	23.2	34.8

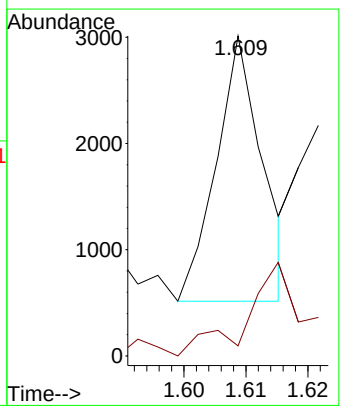


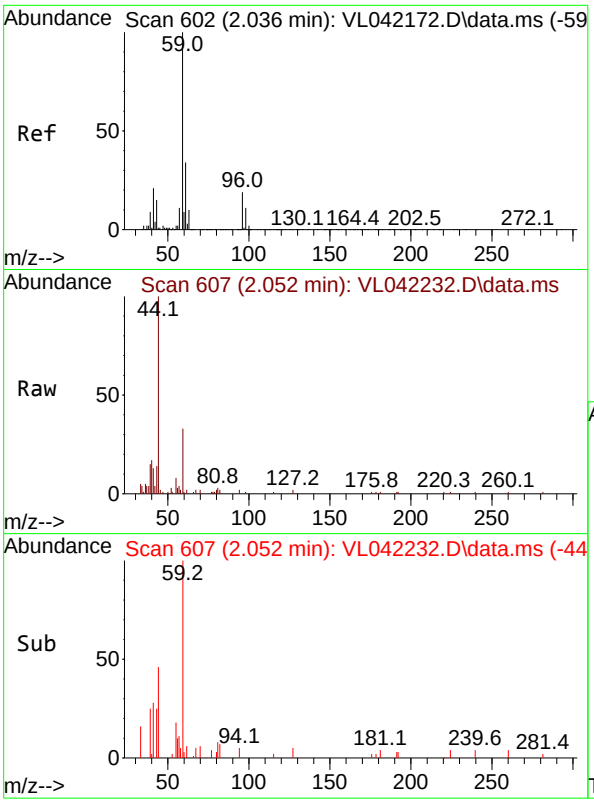


#16
1,3-Butadiene
Concen: 0.094 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 39 Resp: 1286

Ion	Ratio	Lower	Upper
39	100		
54	51.9	60.7	91.1#



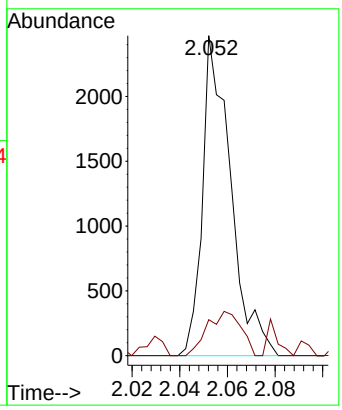


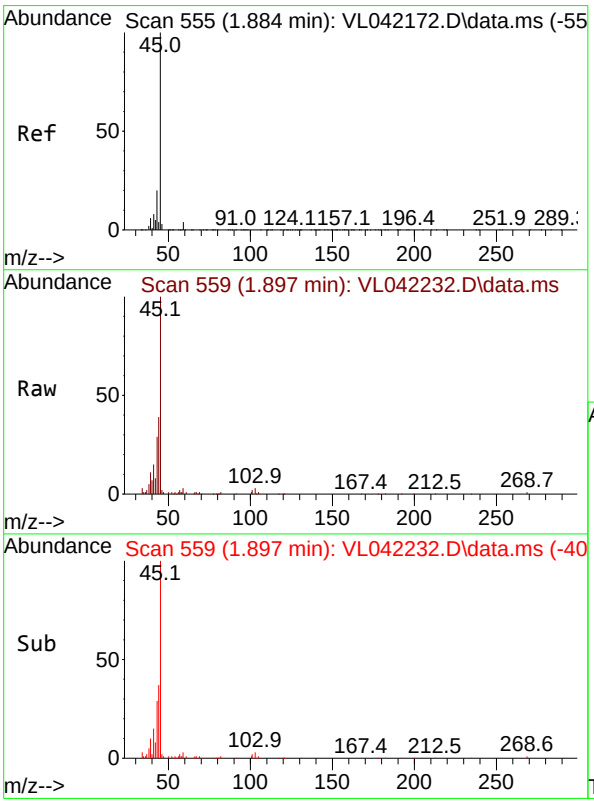
#17
tert-Butyl alcohol
Concen: 0.058 ppbv
RT: 2.052 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 59 Resp: 2032

Ion	Ratio	Lower	Upper
59	100		
57	26.3	8.9	13.3#

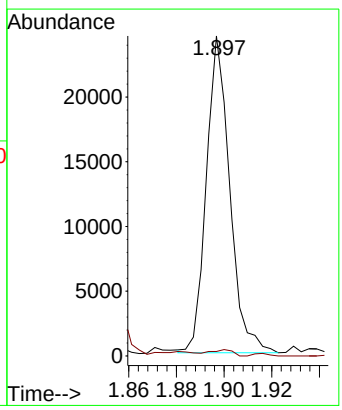


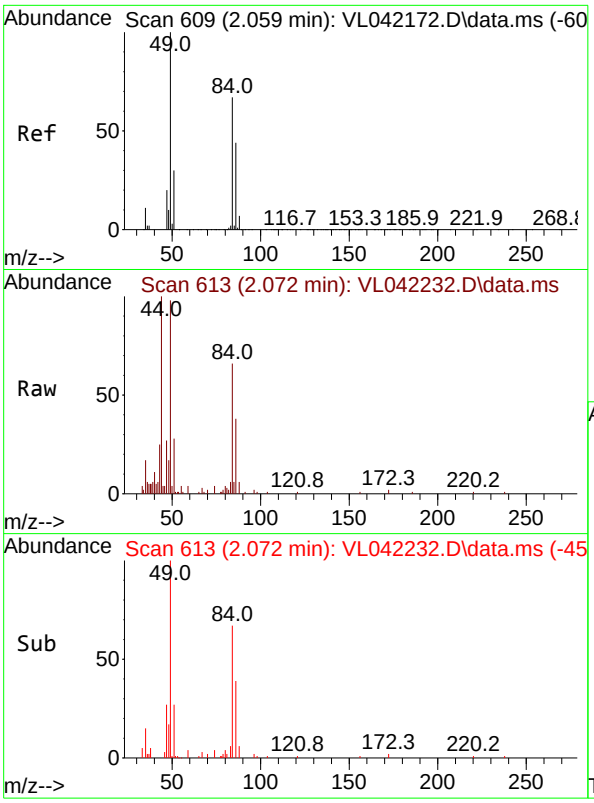


#19
Isopropyl Alcohol
Concen: 1.052 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 45 Resp: 16701

Ion	Ratio	Lower	Upper
45	100		
58	231.5	36.9	55.3#



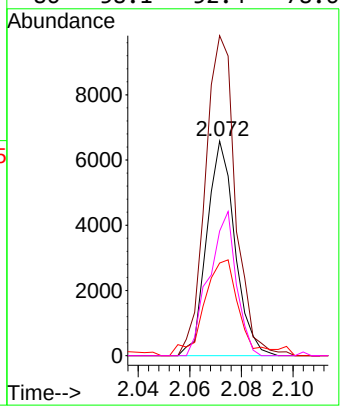


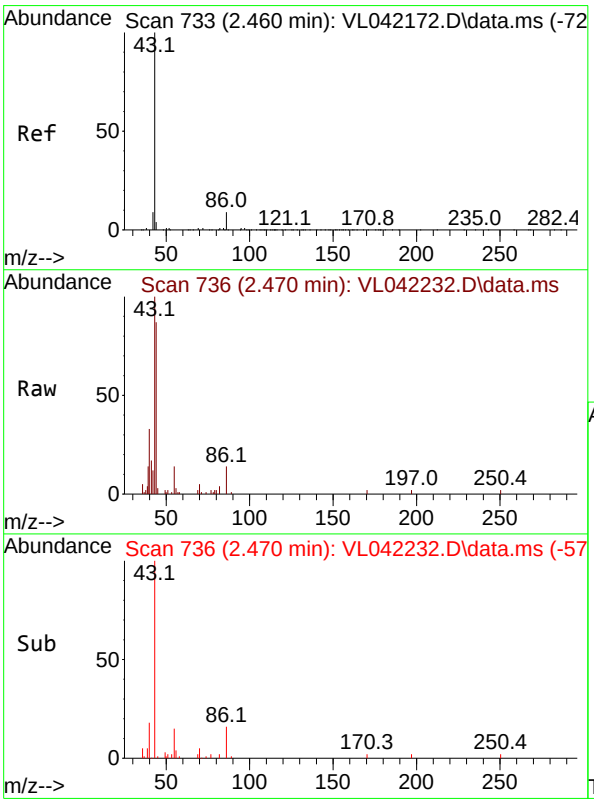
#20
Methylene Chloride
Concen: 0.475 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 84 Resp: 4976

Ion	Ratio	Lower	Upper
84	100		
49	149.2	120.2	180.4
51	40.2	37.4	56.0
86	58.1	52.4	78.6

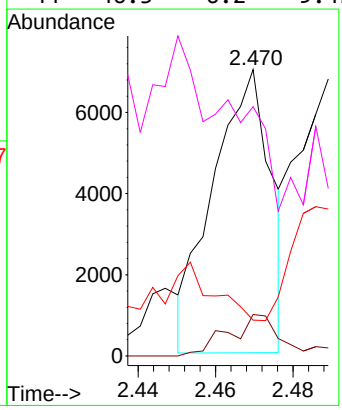


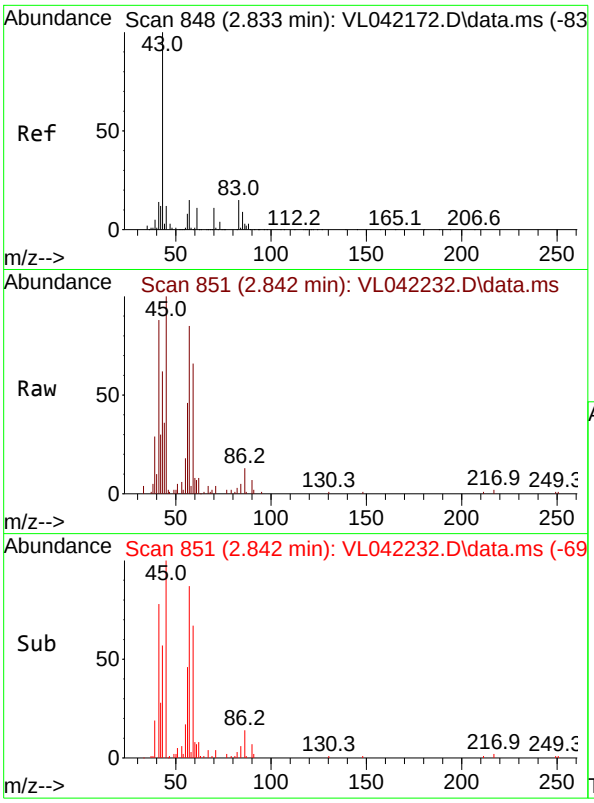


#23
Vinyl Acetate
Concen: 0.594 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 43 Resp: 7240

Ion	Ratio	Lower	Upper
43	100		
86	18.4	5.5	8.3#
42	0.0	8.6	13.0#
44	46.3	6.2	9.4#



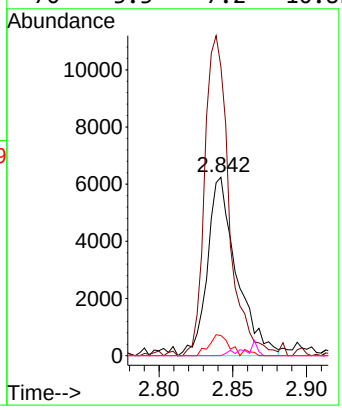


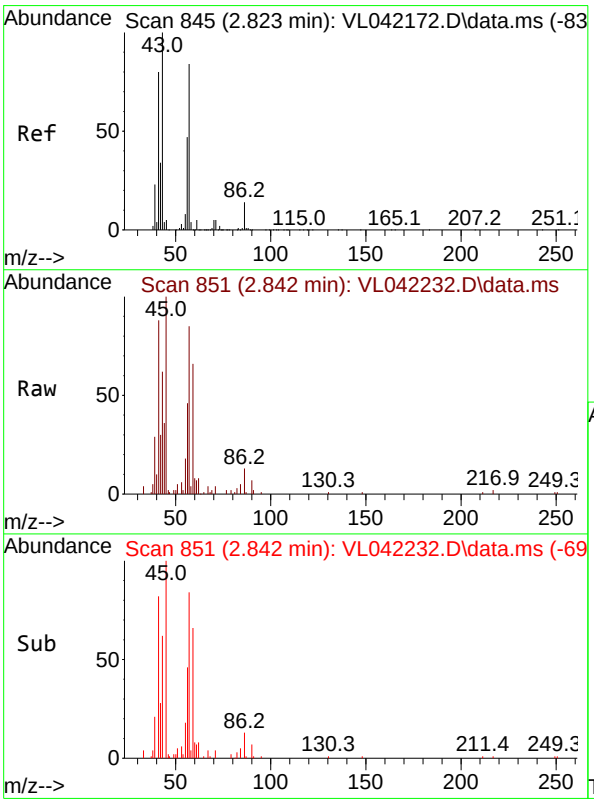
#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.009 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 43 Resp: 8562

Ion	Ratio	Lower	Upper
43	100		
45	154.1	8.2	12.2#
61	8.9	7.3	10.9
70	3.3	7.2	10.8#

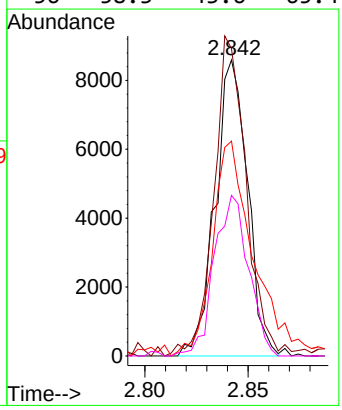


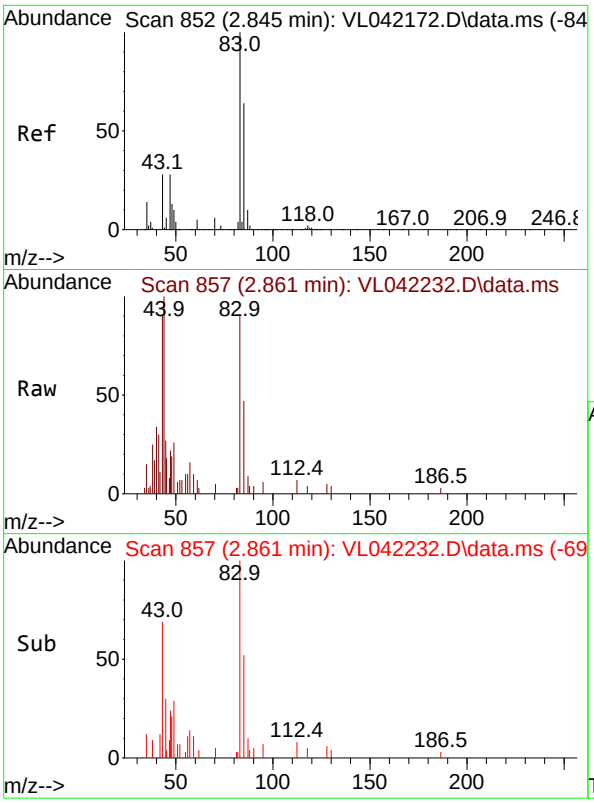


#26
Hexane
Concen: 0.331 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 57 Resp: 9327

Ion	Ratio	Lower	Upper
57	100		
41	111.0	76.6	114.8
43	92.0	207.8	311.8#
56	58.3	43.6	65.4



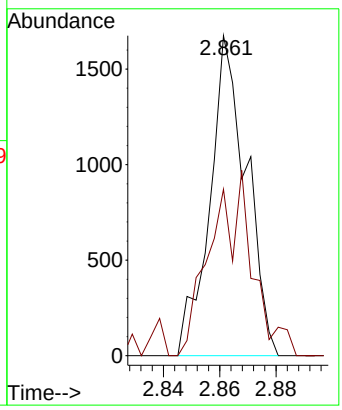


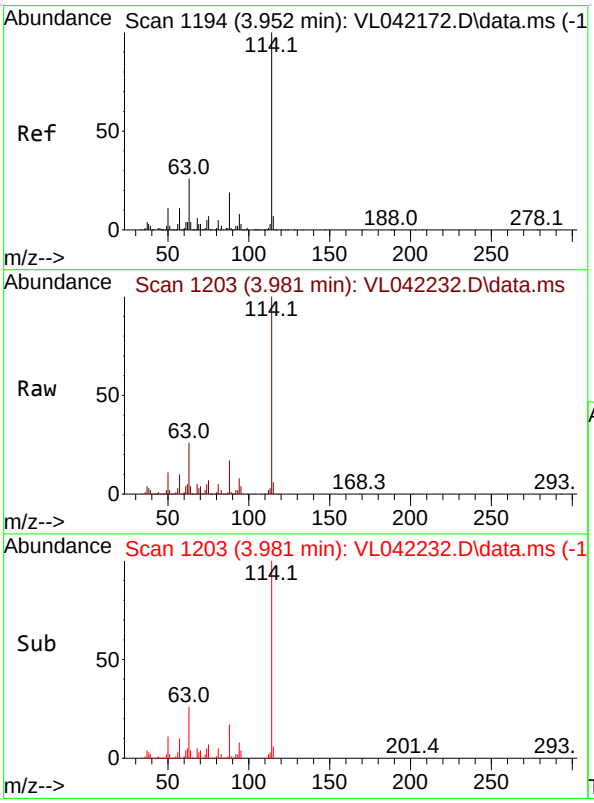
#29
Chloroform
Concen: 0.037 ppbv
RT: 2.861 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 83 Resp: 1512

Ion	Ratio	Lower	Upper
83	100		
85	52.0	51.4	77.2

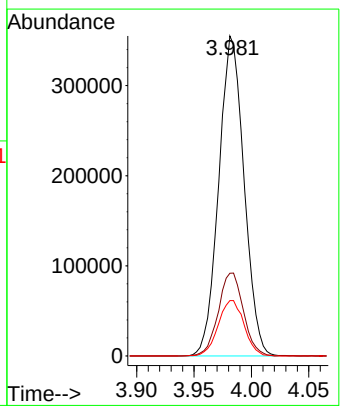


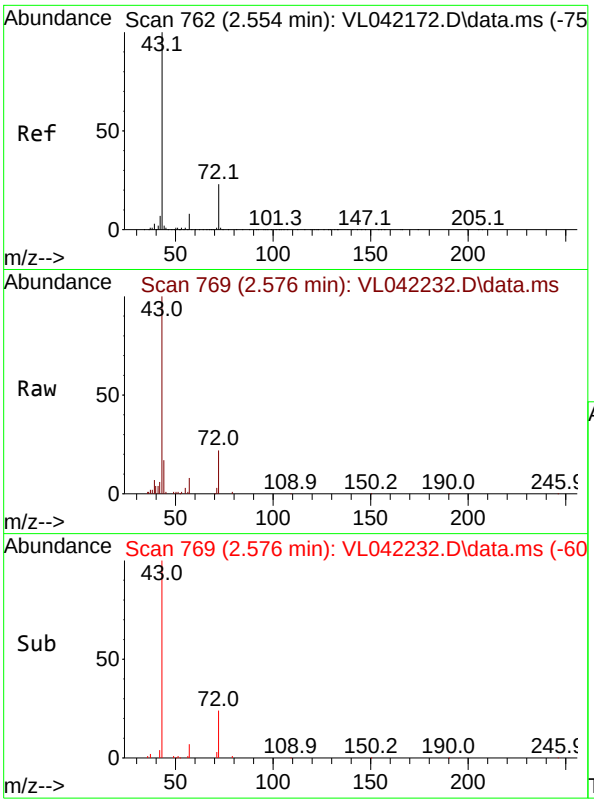


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.029 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion:114 Resp: 543996

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	17.7	15.0	22.4



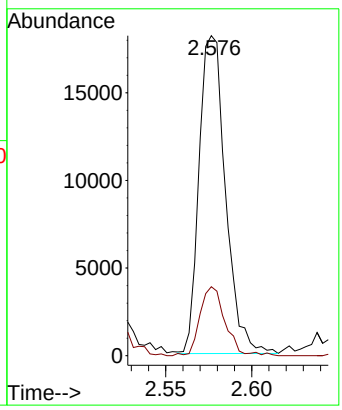


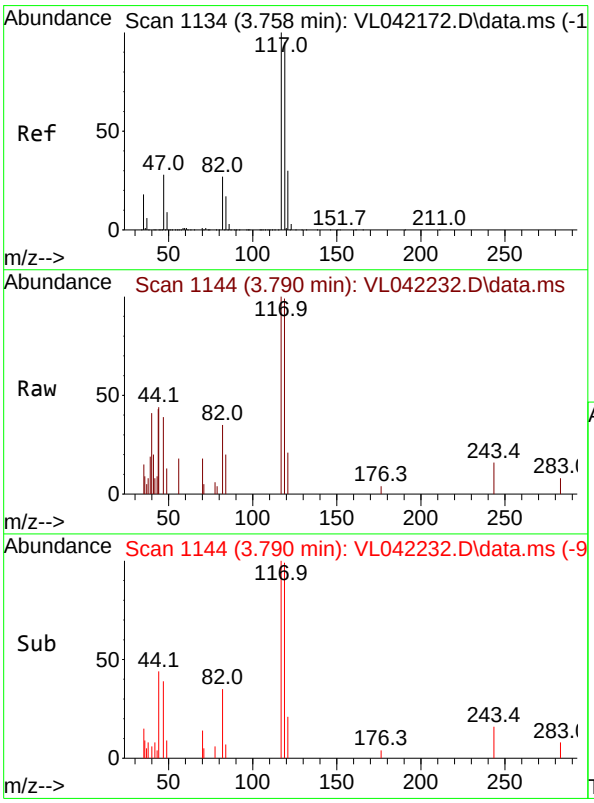
#34
2-Butanone
Concen: 0.492 ppbv
RT: 2.576 min Scan# 7
Delta R.T. 0.022 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 43 Resp: 19408

Ion	Ratio	Lower	Upper
43	100		
72	20.7	18.2	27.2

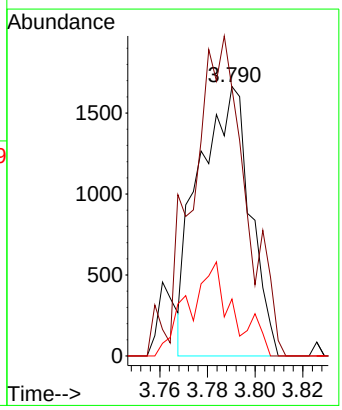


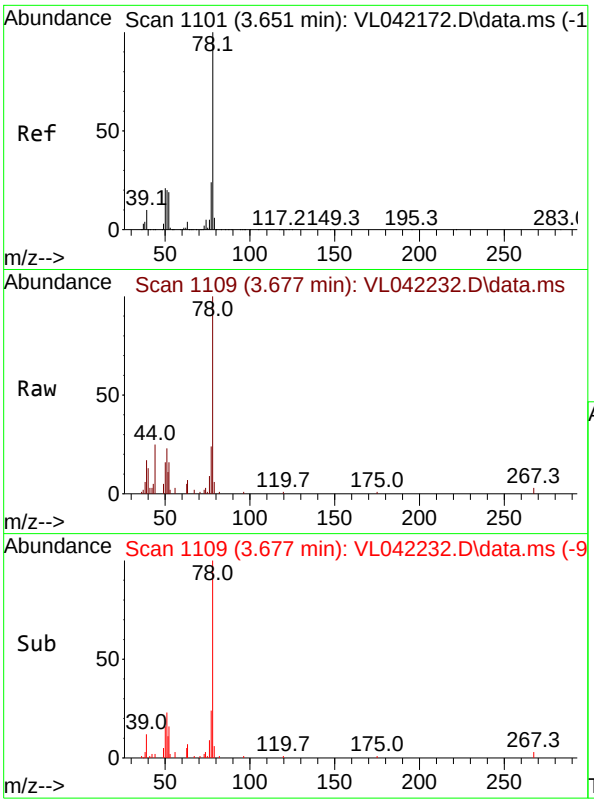


#35
Carbon Tetrachloride
Concen: 0.059 ppbv
RT: 3.790 min Scan# 1144
Delta R.T. 0.032 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion:117 Resp: 2497

Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.2	114.2
121	21.2	24.2	36.4#



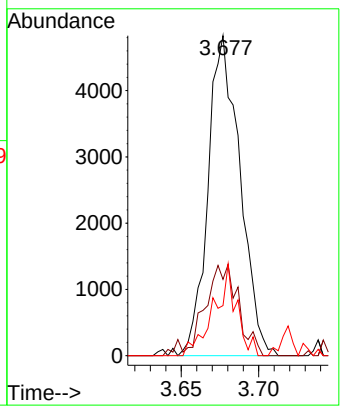


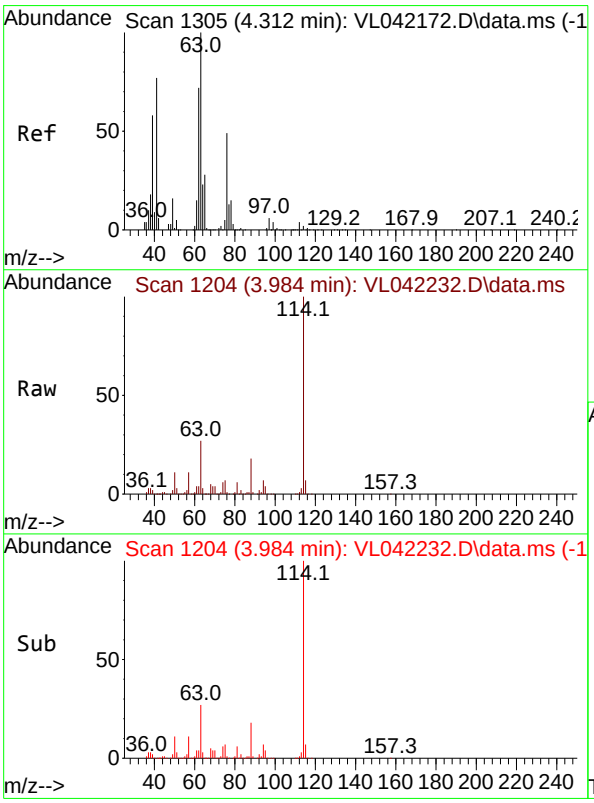
#36
Benzene
Concen: 0.129 ppbv
RT: 3.677 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 78 Resp: 6934

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
50	15.7	16.6	24.8#

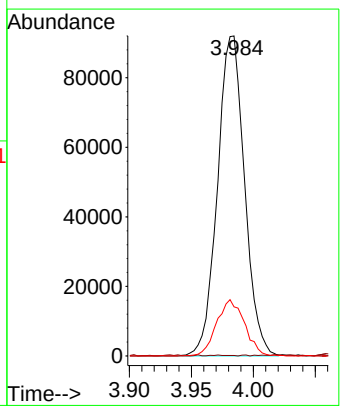


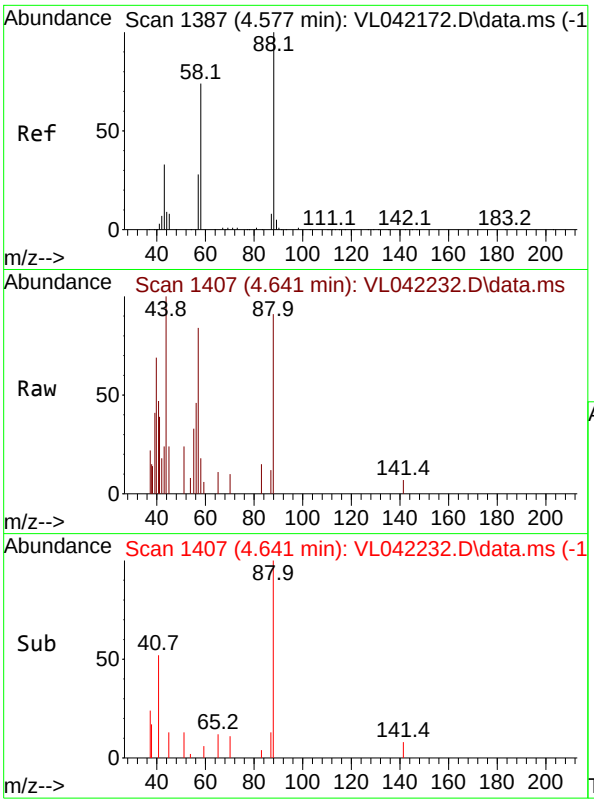


#39
1,2-Dichloropropane
Concen: 7.133 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. -0.327 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 63 Resp: 140099

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.7	92.5#
62	15.3	57.6	86.4#



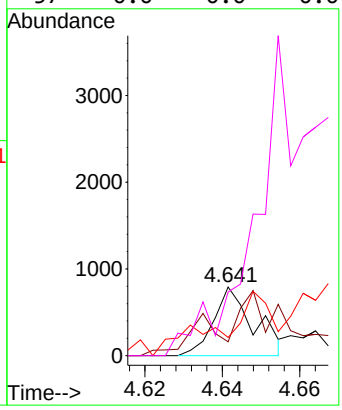


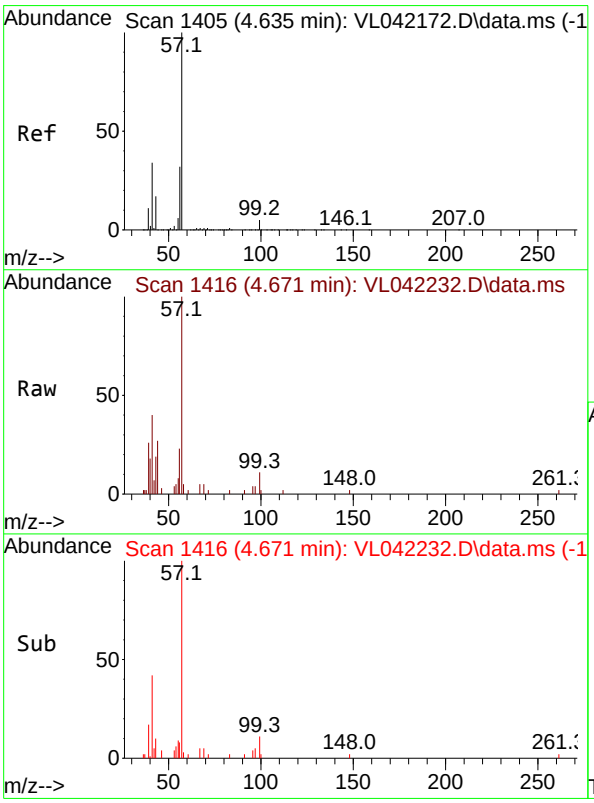
#40
1,4-Dioxane
Concen: 0.055 ppbv
RT: 4.641 min Scan# 14
Delta R.T. 0.064 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 88 Resp: 569

Ion	Ratio	Lower	Upper
88	100		
58	182.8	62.7	94.1#
43	171.2	23.0	34.4#
57	0.0	0.0	0.0

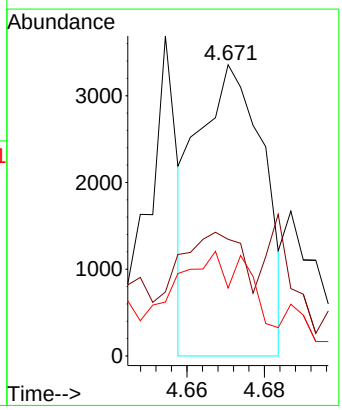


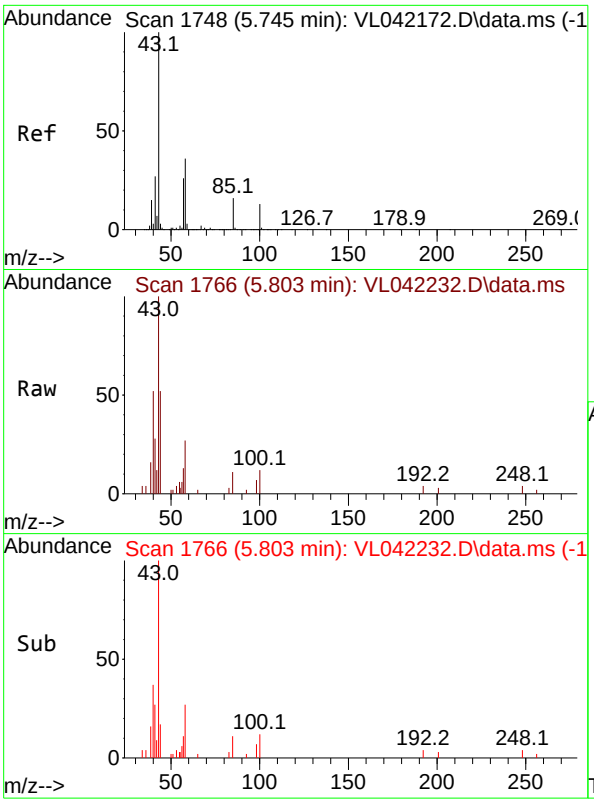


#44
2,2,4-Trimethylpentane
Concen: 0.044 ppbv
RT: 4.671 min Scan# 1416
Delta R.T. 0.035 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 57 Resp: 4007

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.8	40.2#
56	74.6	25.6	38.4#



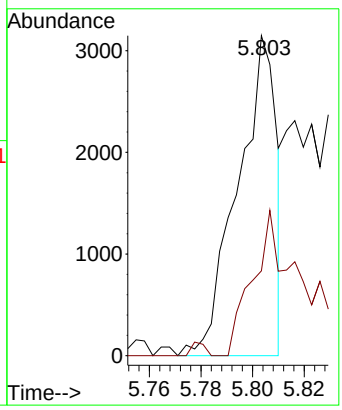


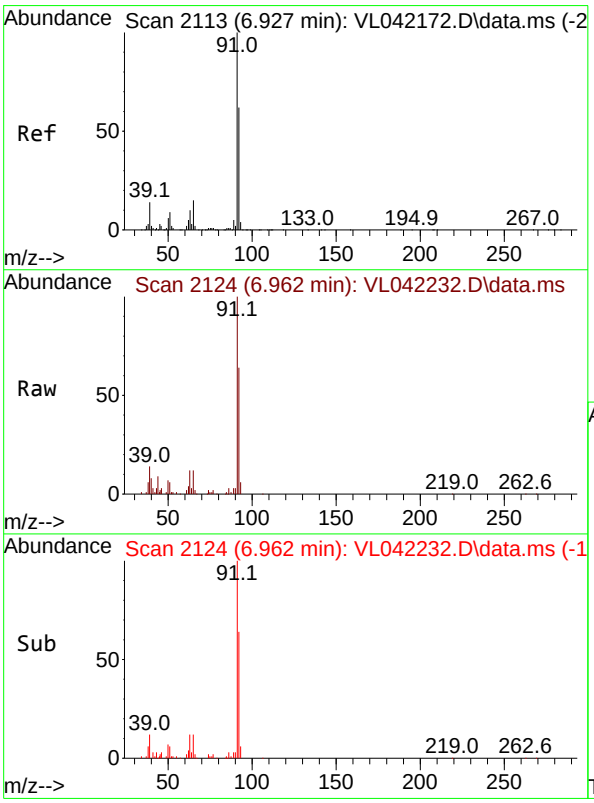
#50
4-Methyl-2-Pentanone
Concen: 0.052 ppbv
RT: 5.803 min Scan# 1
Delta R.T. 0.058 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 43 Resp: 3269

Ion	Ratio	Lower	Upper
43	100		
58	70.3	29.0	43.6#

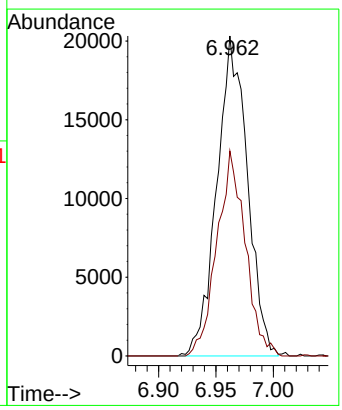


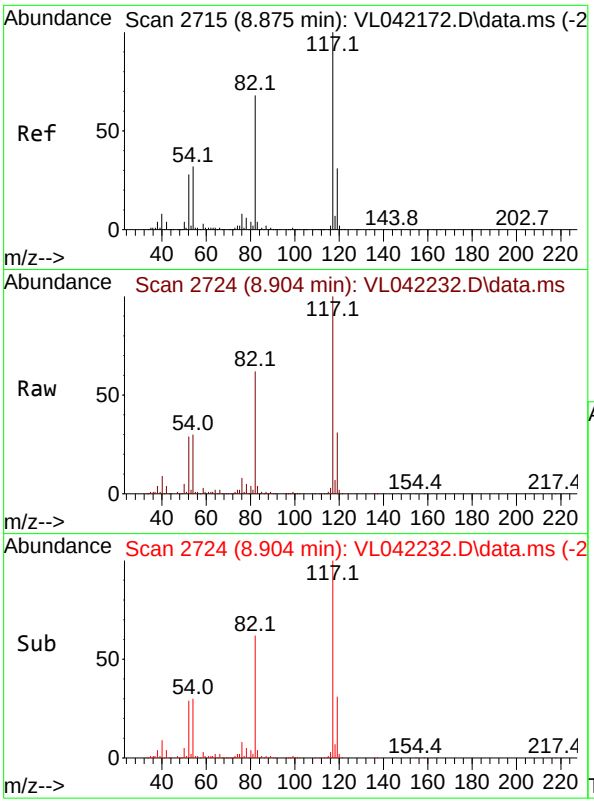


#53
Toluene
Concen: 0.588 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.035 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 91 Resp: 37601

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.4	72.6



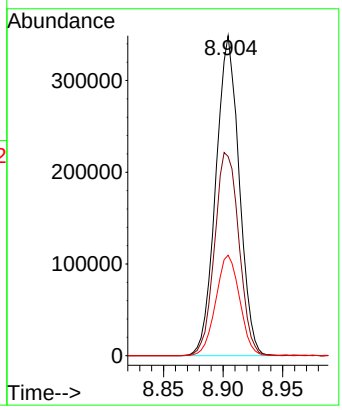


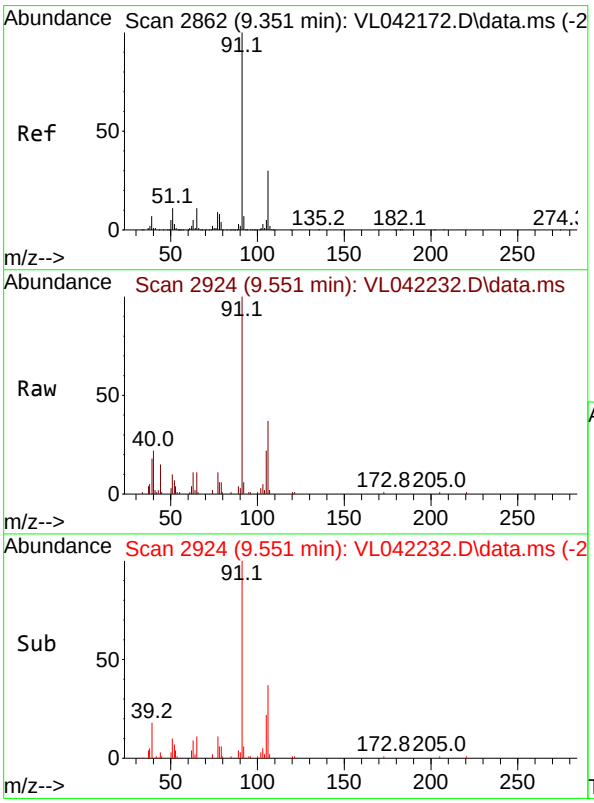
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion:117 Resp: 475092

Ion	Ratio	Lower	Upper
117	100		
82	66.4	55.8	83.6
119	32.2	25.5	38.3

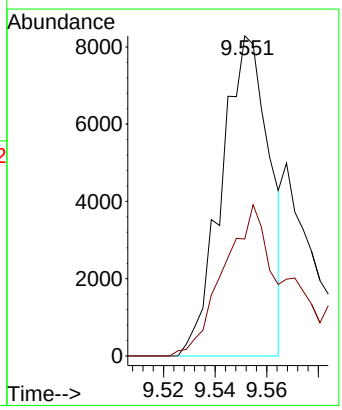


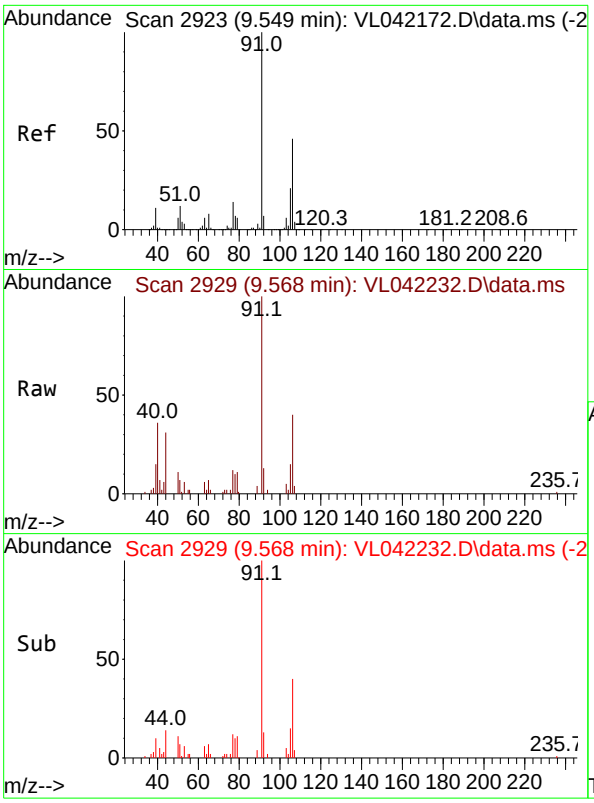


#58
Ethyl Benzene
Concen: 0.126 ppbv
RT: 9.551 min Scan# 2924
Delta R.T. 0.200 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 91 Resp: 10646

Ion	Ratio	Lower	Upper
91	100		
106	34.9	24.2	36.2



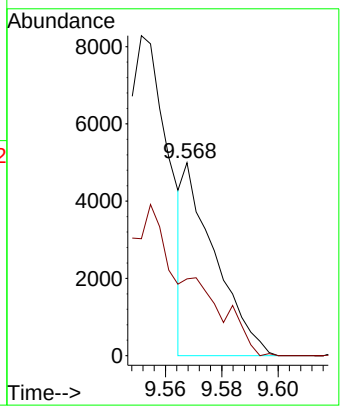


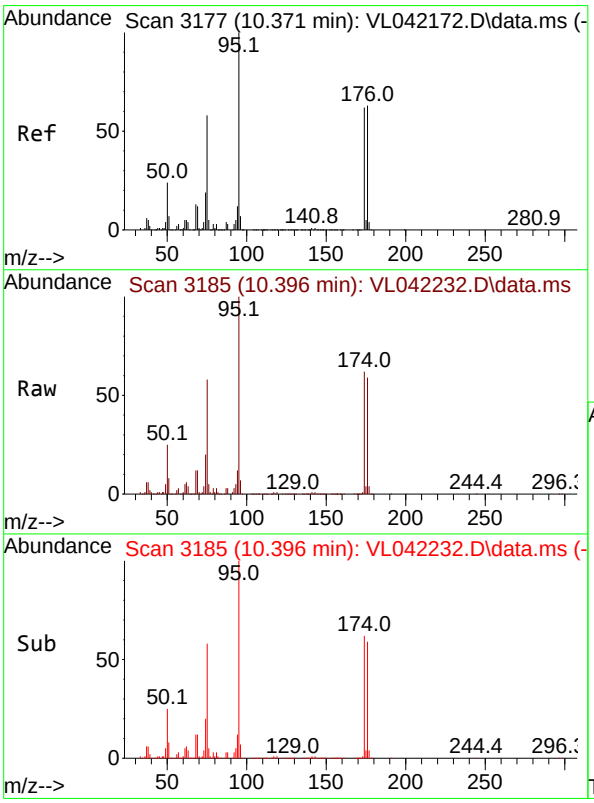
#59
m/p-Xylene
Concen: 0.059 ppbv
RT: 9.568 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion: 91 Resp: 3947

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#

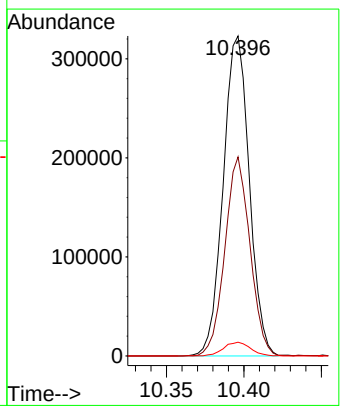


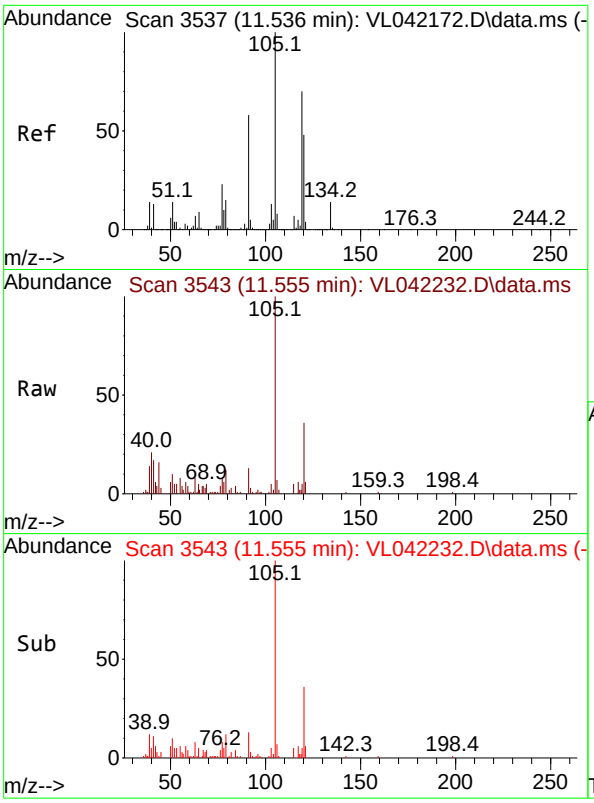


#68
1-Bromo-4-Fluorobenzene
Concen: 9.697 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Tgt Ion: 95 Resp: 378319

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.5	3.8	5.6



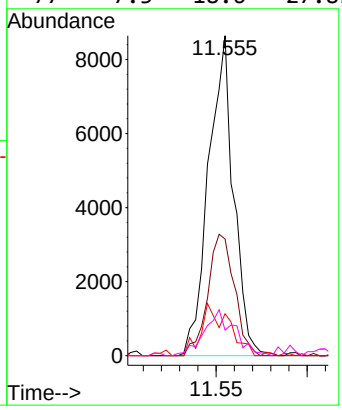


#74
1,2,4-Trimethylbenzene
Concen: 0.098 ppbv
RT: 11.555 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042232.D
Acq: 07 Apr 2025 13:00

Instrument :
MSVOA_L
ClientSampleId :
AA-1-03312025DUP

Tgt Ion:105 Resp: 8275

Ion	Ratio	Lower	Upper
105	100		
120	36.5	38.6	58.0#
91	13.1	46.2	69.2#
77	7.3	18.6	27.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Quant Time: Apr 08 01:32:03 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	2.803	49	198158	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	527291	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	473671	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	385746	9.917	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	11751	0.402	ppbv		91
3) Chlorodifluoromethane	1.480	51	8937	0.299	ppbv	#	88
4) Chloromethane	1.538	50	1133	0.095	ppbv		97
9) Propene	1.489	41	1293	0.094	ppbv		87
10) Heptane	5.011	43	3028	0.083	ppbv	#	63
11) Trichlorofluoromethane	1.887	101	6010	0.211	ppbv		90
12) 1,1,2-Trichlorotrifluo...	2.150	101	1400	0.060	ppbv		87
13) Ethanol	1.441	45	235284	181.676	ppbv	#	29
15) Acetone	1.845	43	70052	2.528	ppbv		96
16) 1,3-Butadiene	1.609	39	4232	0.313	ppbv	#	31
17) tert-Butyl alcohol	2.056	59	3925	0.114	ppbv	#	86
19) Isopropyl Alcohol	1.441	45	235284	15.047	ppbv	#	30
20) Methylene Chloride	2.072	84	10076	0.976	ppbv		99
23) Vinyl Acetate	2.486	43	4130	0.344	ppbv	#	50
25) Ethyl Acetate	2.842	43	8241	0.115	ppbv	#	74
26) Hexane	2.845	57	3892	0.140	ppbv	#	39
29) Chloroform	2.865	83	81943	2.015	ppbv		98
34) 2-Butanone	2.580	43	7789	0.204	ppbv		93
35) Carbon Tetrachloride	3.791	117	2669	0.065	ppbv	#	55
36) Benzene	3.680	78	7218	0.138	ppbv	#	88
39) 1,2-Dichloropropane	3.985	63	136029	7.145	ppbv	#	22
41) Tetrahydrofuran	3.095	42	675	0.031	ppbv	#	74
52) Tetrachloroethene	8.251	164	622	0.030	ppbv	#	76
53) Toluene	6.966	91	132108	2.132	ppbv		98
57) Chlorobenzene	8.940	112	8901	0.198	ppbv	#	76
58) Ethyl Benzene	9.374	91	23493	0.279	ppbv		92
59) m/p-Xylene	9.552	91	79086	1.177	ppbv		99
60) o-Xylene	9.985	91	26822	0.398	ppbv		92
61) Styrene	9.888	104	7302	0.219	ppbv		97
62) Isopropylbenzene	10.558	105	3342	0.033	ppbv		97
72) 4-Ethyltoluene	11.141	105	6813	0.081	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.222	105	5904	0.081	ppbv		94
74) 1,2,4-Trimethylbenzene	11.555	105	19699	0.233	ppbv	#	67

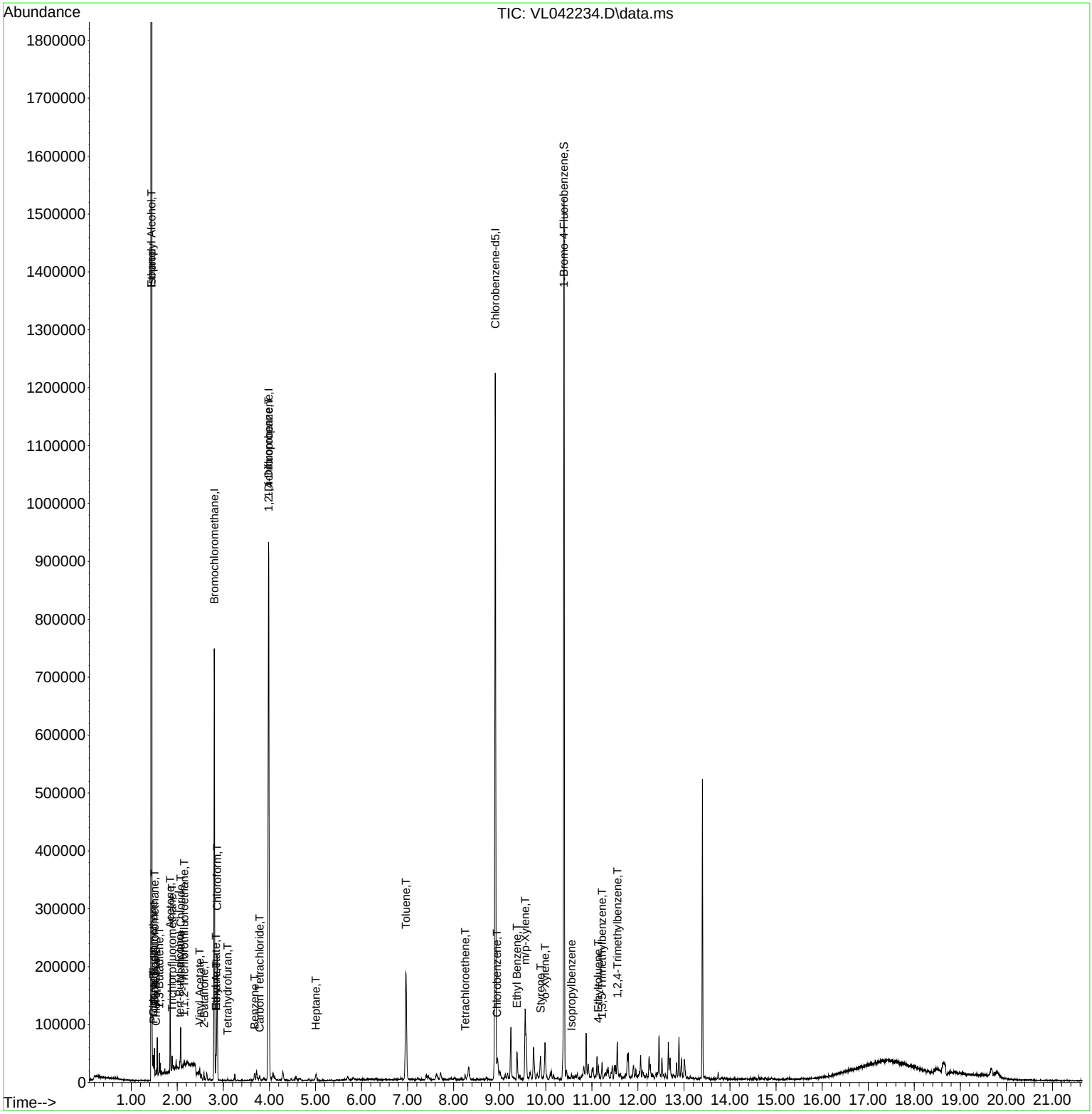
(#) = qualifier out of range (m) = manual integration (+) = signals summed

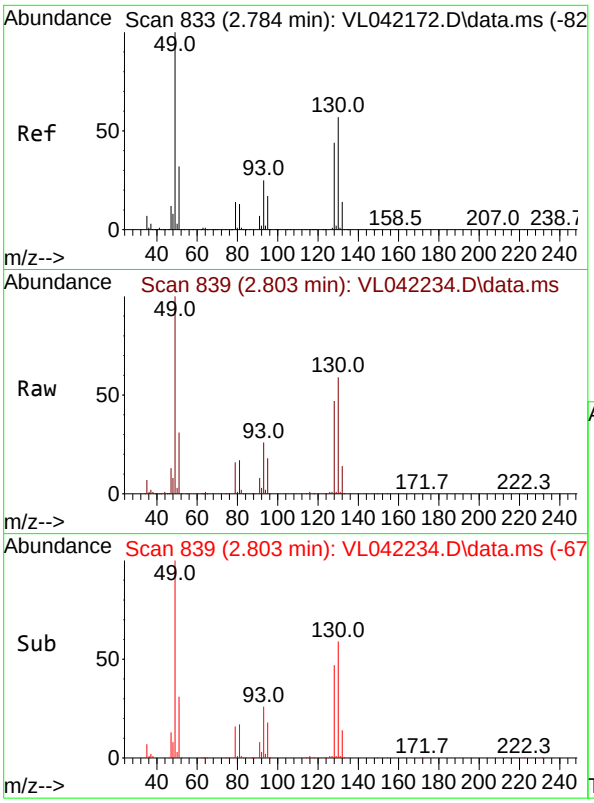
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042234.D
Acq On : 07 Apr 2025 14:18
Operator : SY/MD
Sample : Q1725-01
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Quant Time: Apr 08 01:32:03 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



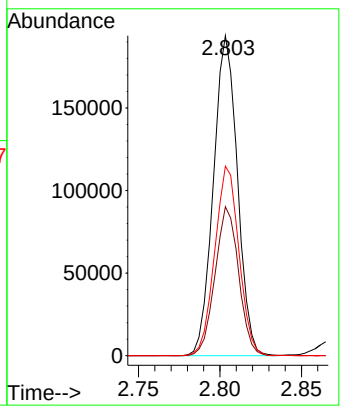


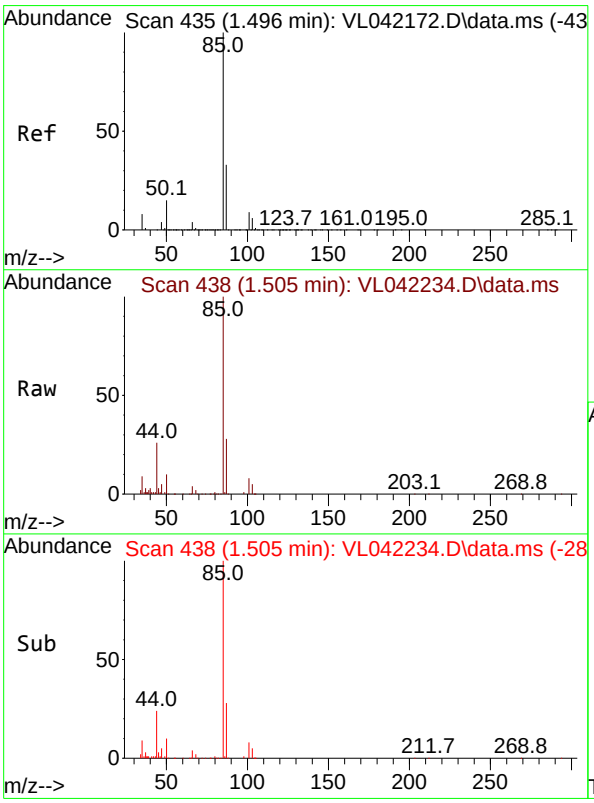
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 49 Resp: 198158

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.5
130	59.8	28.8	86.4

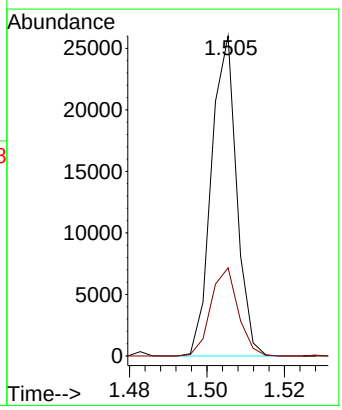


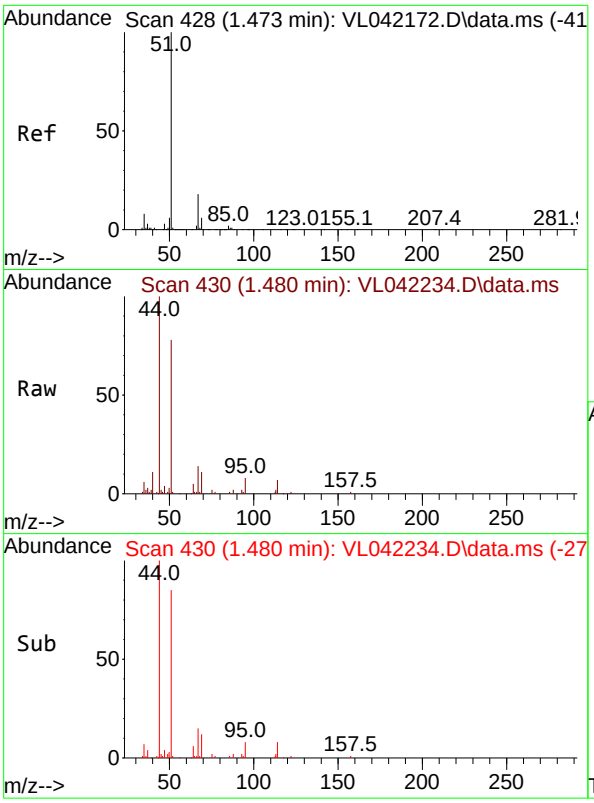


#2
Dichlorodifluoromethane
Concen: 0.402 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 85 Resp: 11751

Ion	Ratio	Lower	Upper
85	100		
87	27.6	26.1	39.1



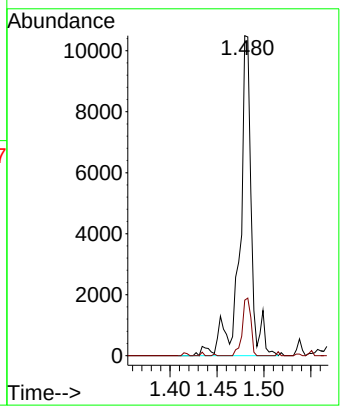


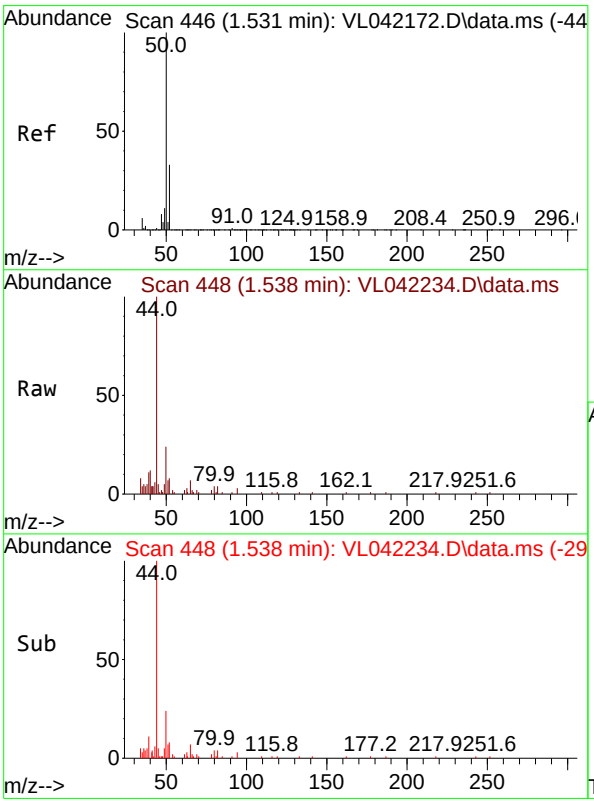
#3
Chlorodifluoromethane
Concen: 0.299 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 51 Resp: 8937

Ion	Ratio	Lower	Upper
51	100		
67	13.5	15.0	22.6#

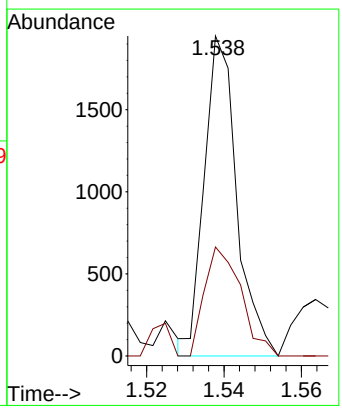


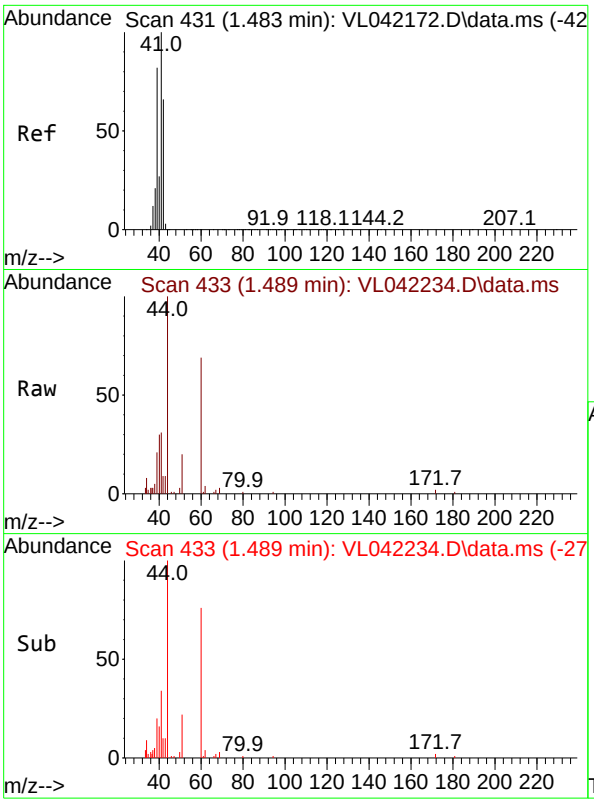


#4
Chloromethane
Concen: 0.095 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 50 Resp: 1133

Ion	Ratio	Lower	Upper
50	100		
52	34.1	26.1	39.1



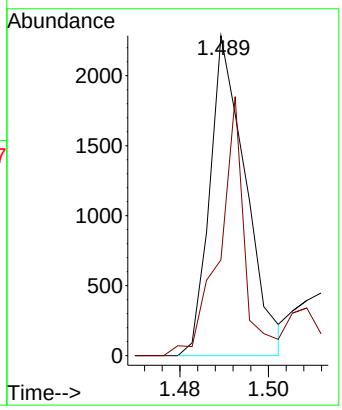


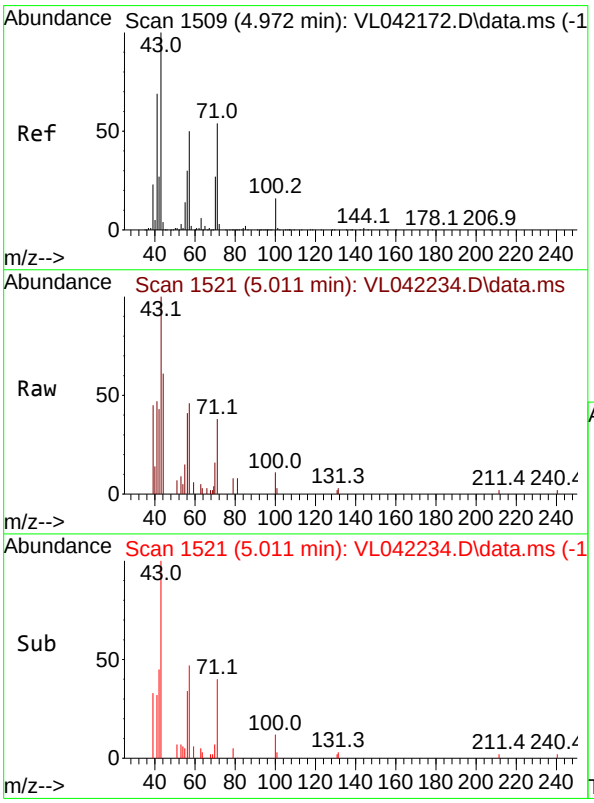
#9
Propene
Concen: 0.094 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 41 Resp: 1293

Ion	Ratio	Lower	Upper
41	100		
42	79.5	55.4	83.2

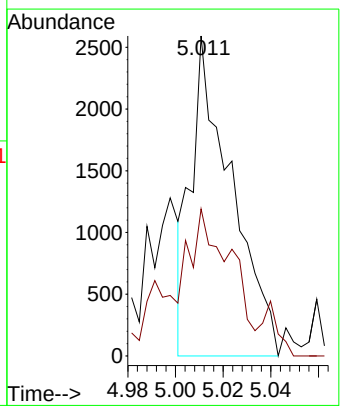


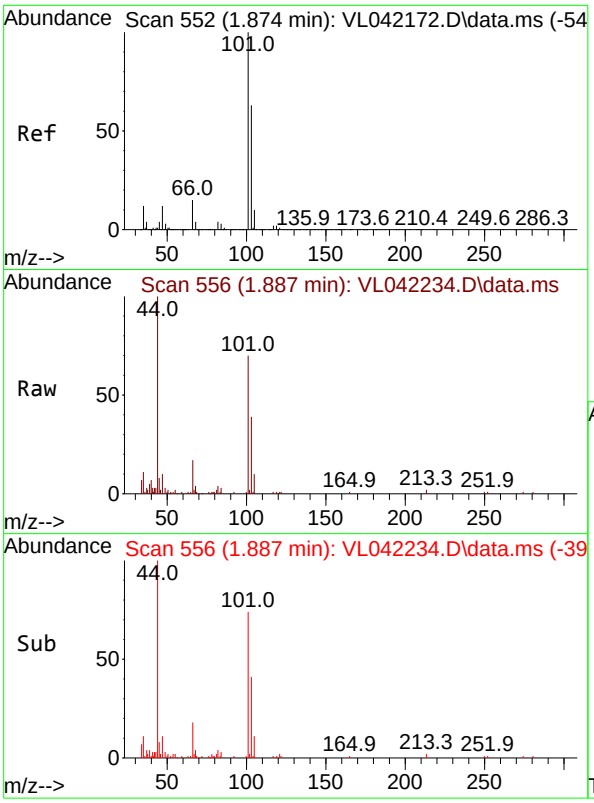


#10
Heptane
Concen: 0.083 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.039 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 43 Resp: 3028

Ion	Ratio	Lower	Upper
43	100		
57	74.8	39.4	59.2#



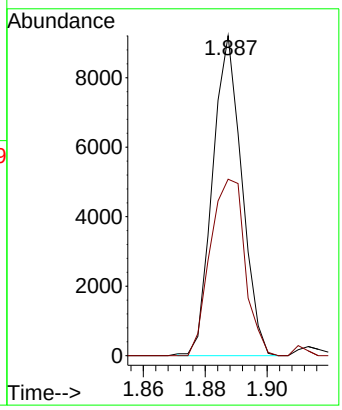


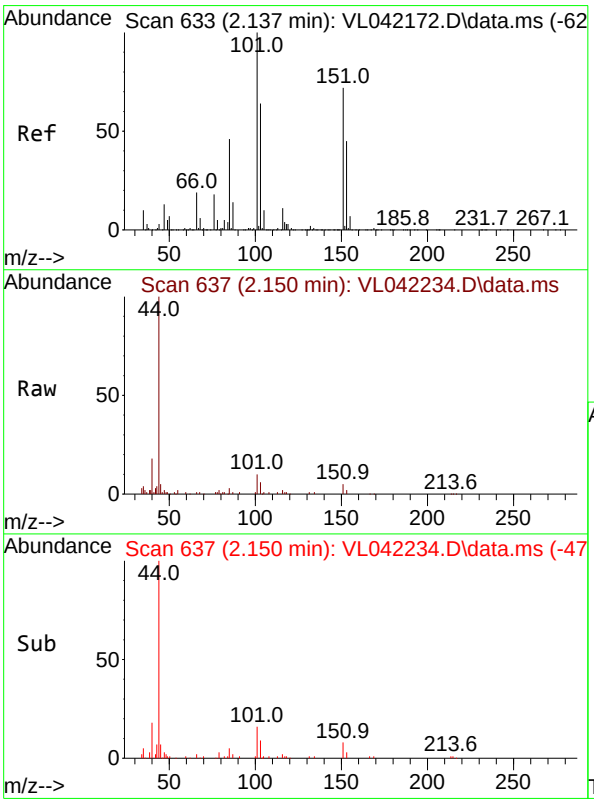
#11
Trichlorofluoromethane
Concen: 0.211 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:101 Resp: 6010

Ion	Ratio	Lower	Upper
101	100		
103	55.2	50.2	75.2

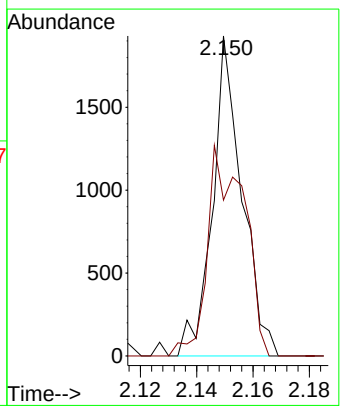


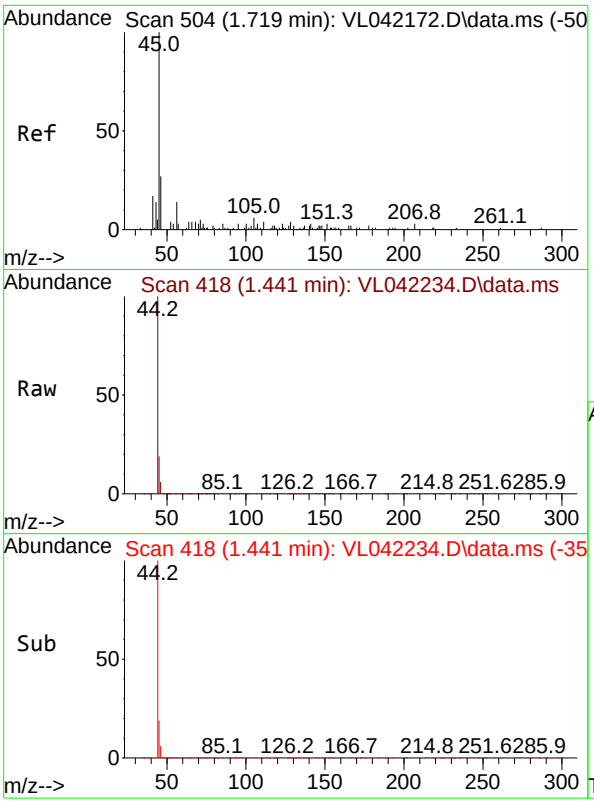


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.060 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:101 Resp: 1400

Ion	Ratio	Lower	Upper
101	100		
151	82.4	57.1	85.7



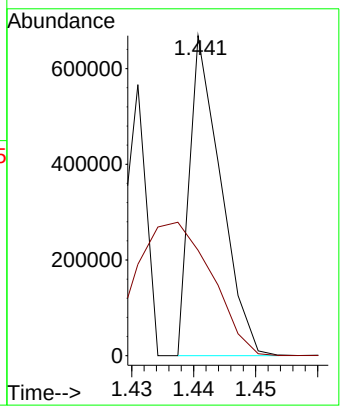


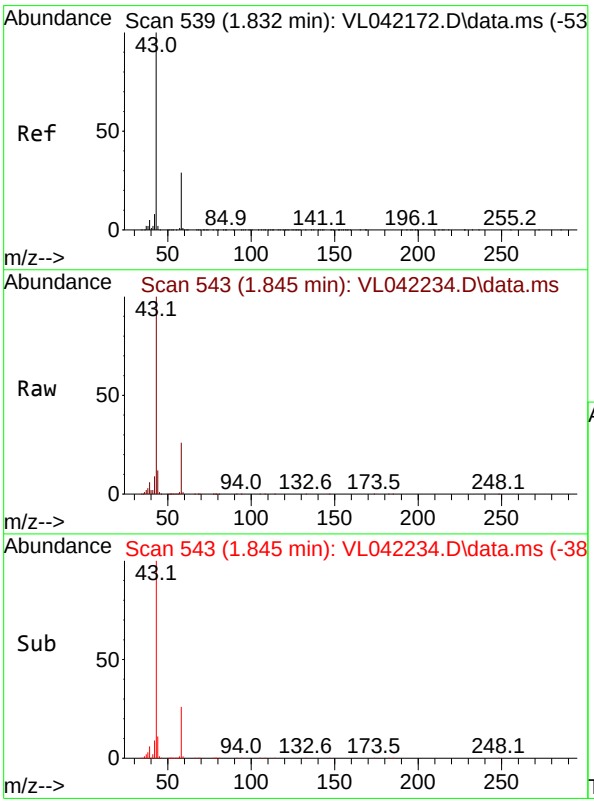
#13
Ethanol
Concen: 181.676 ppbv
RT: 1.441 min Scan# 41
Delta R.T. -0.278 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 45 Resp: 235284

Ion	Ratio	Lower	Upper
45	100		
46	99.5	20.2	80.8#

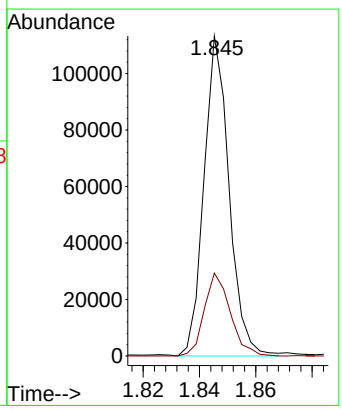


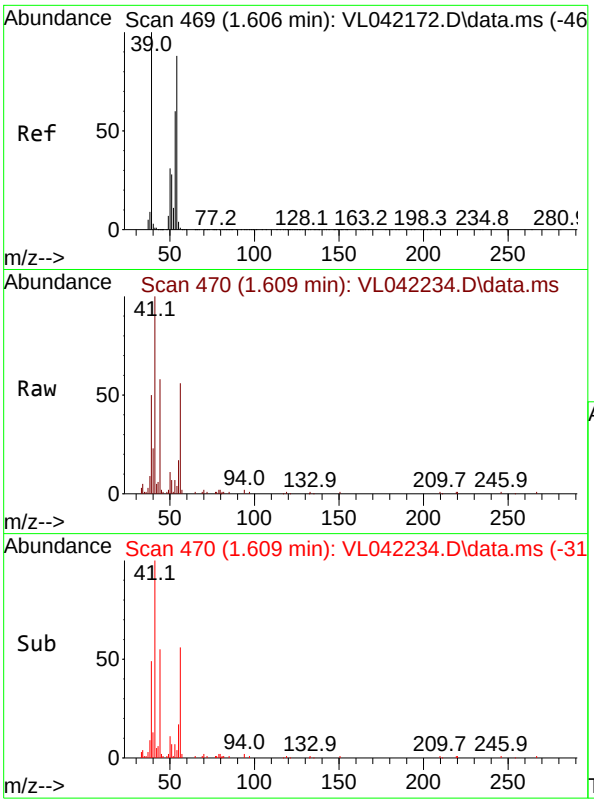


#15
Acetone
Concen: 2.528 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 43 Resp: 70052

Ion	Ratio	Lower	Upper
43	100		
58	26.8	23.2	34.8



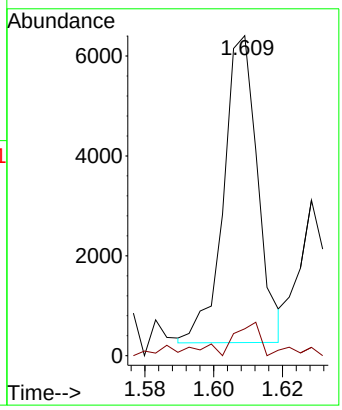


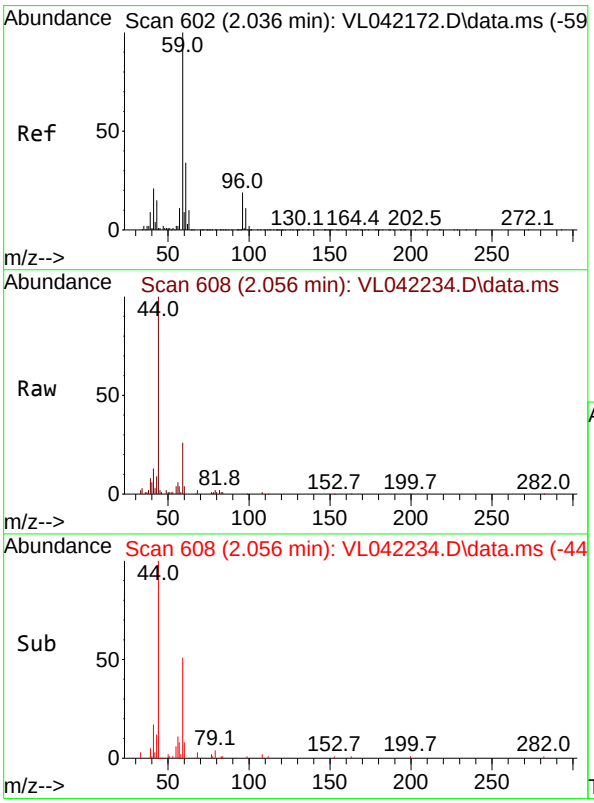
#16
1,3-Butadiene
Concen: 0.313 ppbv
RT: 1.609 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 39 Resp: 4232

Ion	Ratio	Lower	Upper
39	100		
54	16.5	60.7	91.1#

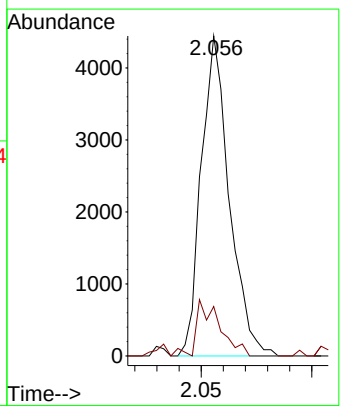


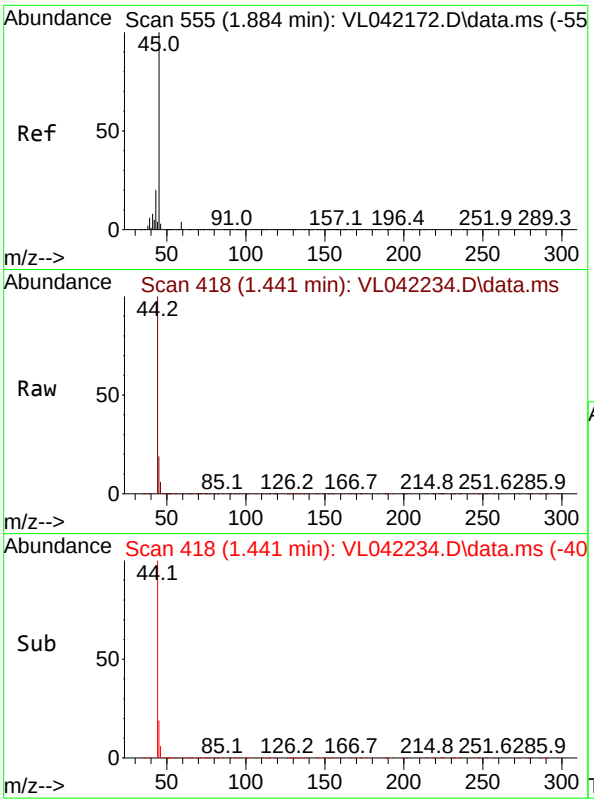


#17
tert-Butyl alcohol
Concen: 0.114 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 59 Resp: 3925

Ion	Ratio	Lower	Upper
59	100		
57	16.3	8.9	13.3#



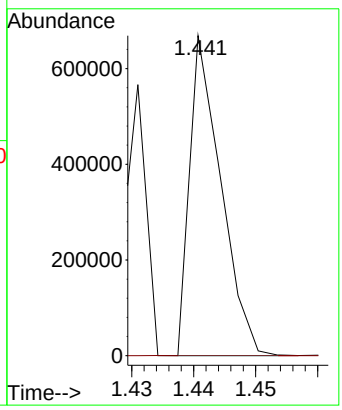


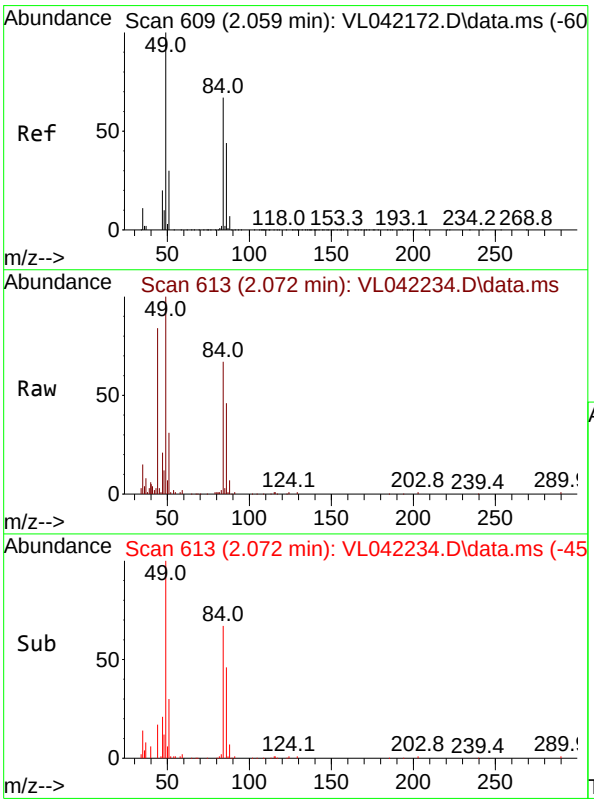
#19
Isopropyl Alcohol
Concen: 15.047 ppbv
RT: 1.441 min Scan# 4
Delta R.T. -0.443 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 45 Resp: 235284

Ion	Ratio	Lower	Upper
45	100		
58	0.0	36.9	55.3#

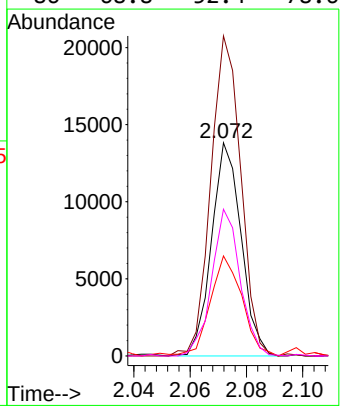


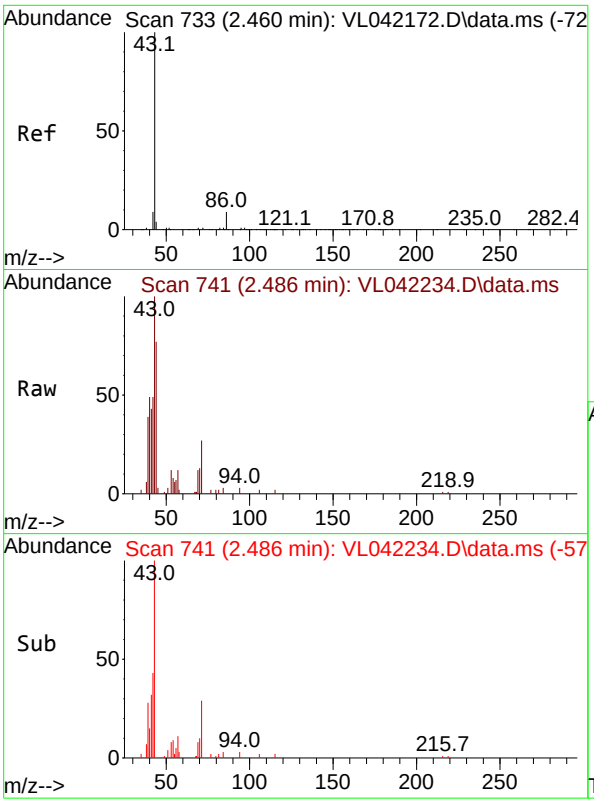


#20
Methylene Chloride
Concen: 0.976 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 84 Resp: 10076

Ion	Ratio	Lower	Upper
84	100		
49	150.1	120.2	180.4
51	46.9	37.4	56.0
86	68.8	52.4	78.6



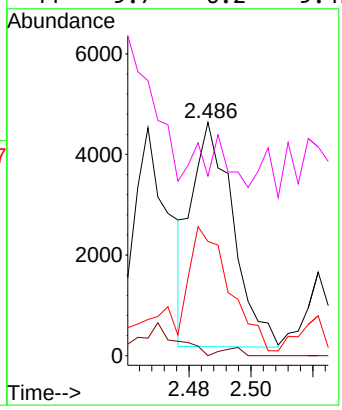


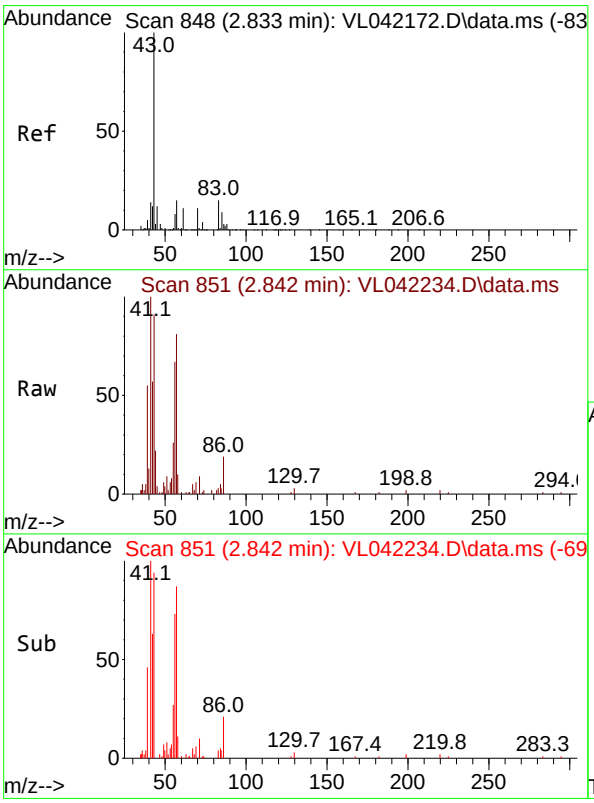
#23
Vinyl Acetate
Concen: 0.344 ppbv
RT: 2.486 min Scan# 74
Delta R.T. 0.026 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 43 Resp: 4130

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	49.1	8.6	13.0#
44	9.7	6.2	9.4#

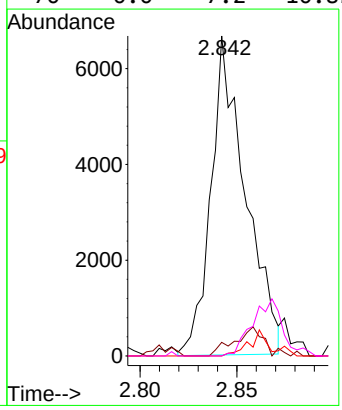


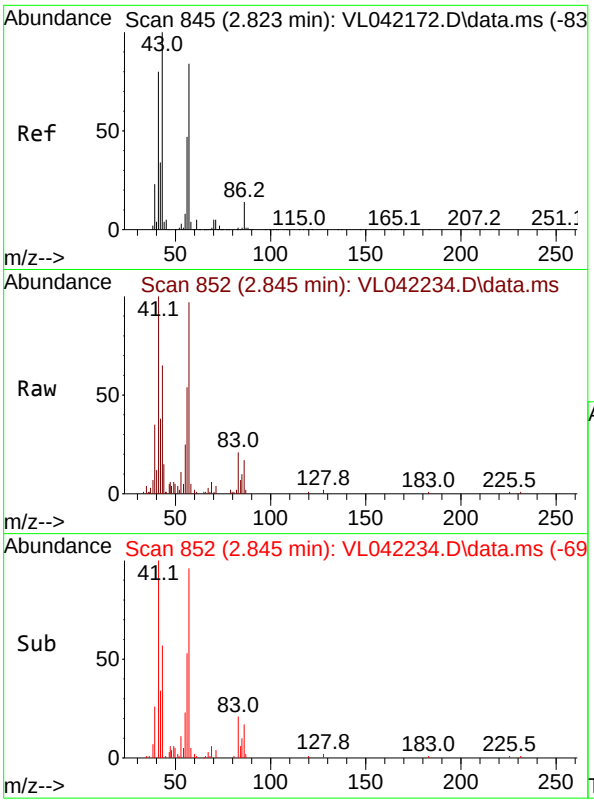


#25
Ethyl Acetate
Concen: 0.115 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.010 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 43 Resp: 8241

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.2#
61	0.0	7.3	10.9#
70	0.0	7.2	10.8#



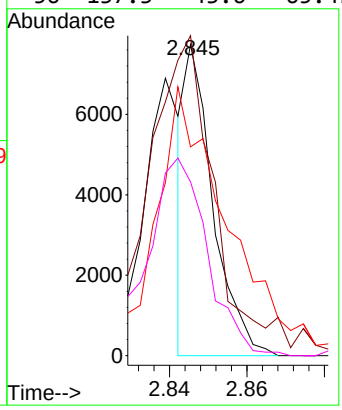


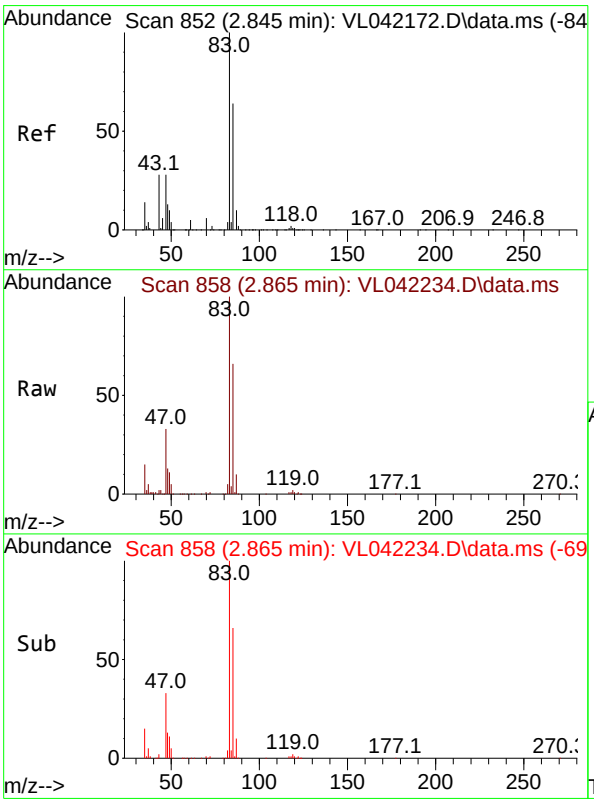
#26
Hexane
Concen: 0.140 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 57 Resp: 3892

Ion	Ratio	Lower	Upper
57	100		
41	249.5	76.6	114.8#
43	235.3	207.8	311.8
56	137.3	43.6	65.4#

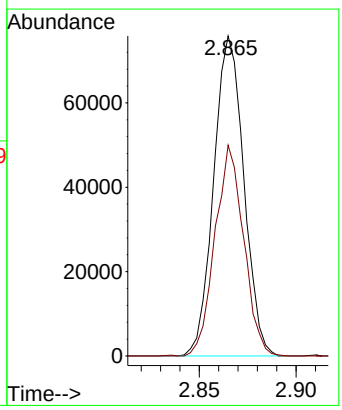


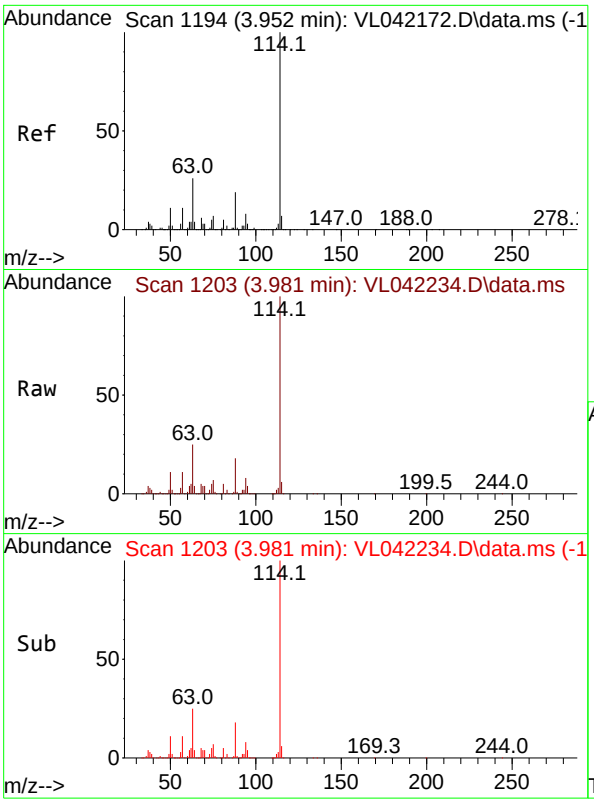


#29
Chloroform
Concen: 2.015 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 83 Resp: 81943

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2



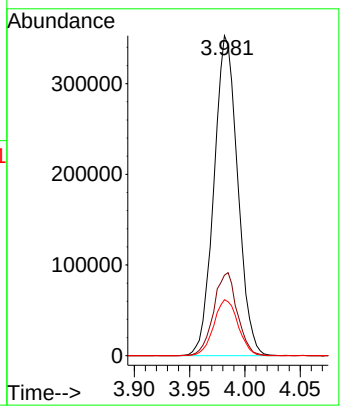


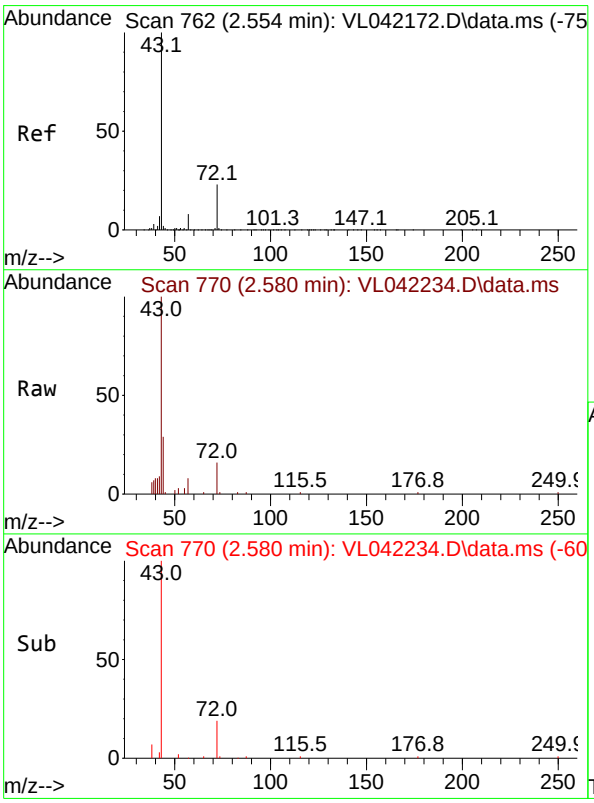
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:114 Resp: 527291

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	17.9	15.0	22.4

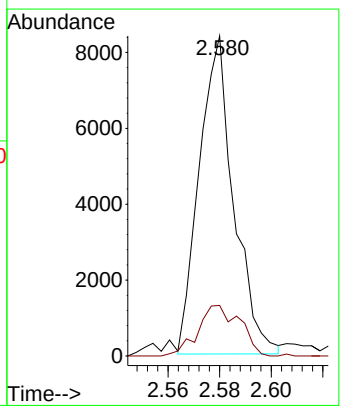


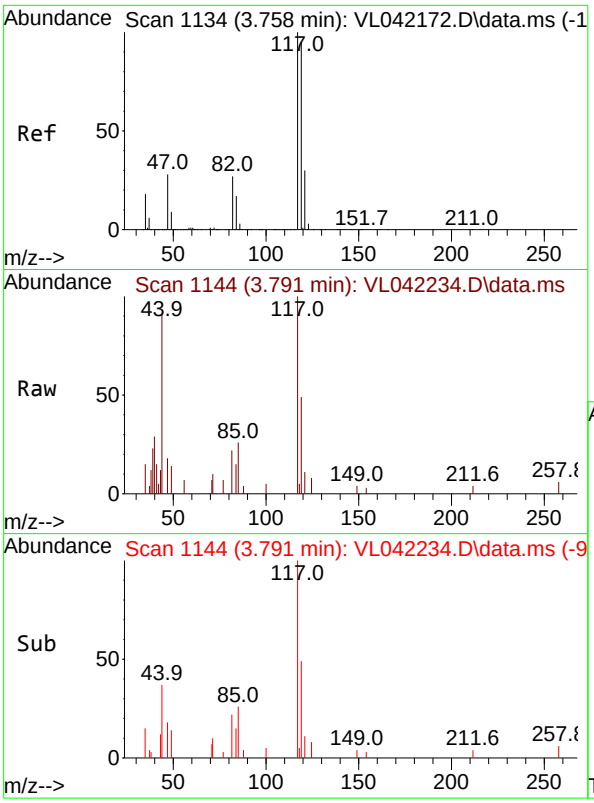


#34
2-Butanone
Concen: 0.204 ppbv
RT: 2.580 min Scan# 770
Delta R.T. 0.026 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 43 Resp: 7789

Ion	Ratio	Lower	Upper
43	100		
72	19.6	18.2	27.2



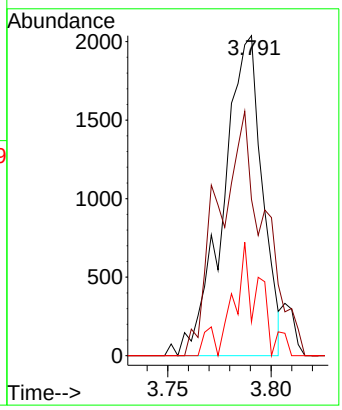


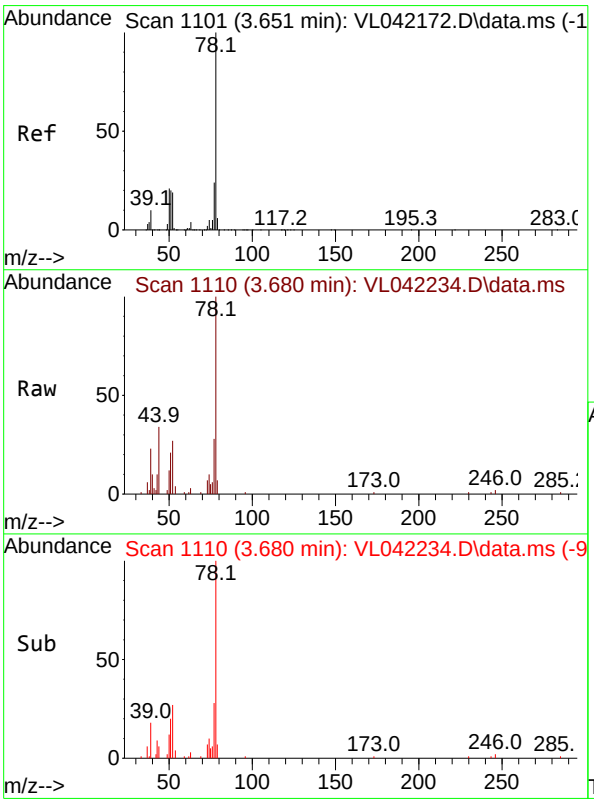
#35
Carbon Tetrachloride
Concen: 0.065 ppbv
RT: 3.791 min Scan# 11
Delta R.T. 0.032 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:117 Resp: 2669

Ion	Ratio	Lower	Upper
117	100		
119	48.9	76.2	114.2#
121	10.5	24.2	36.4#

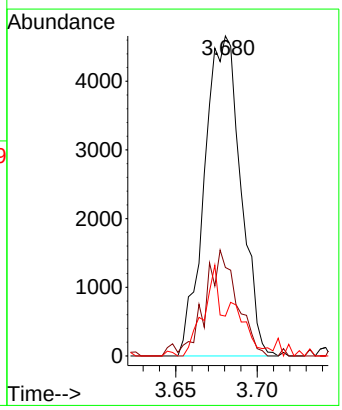


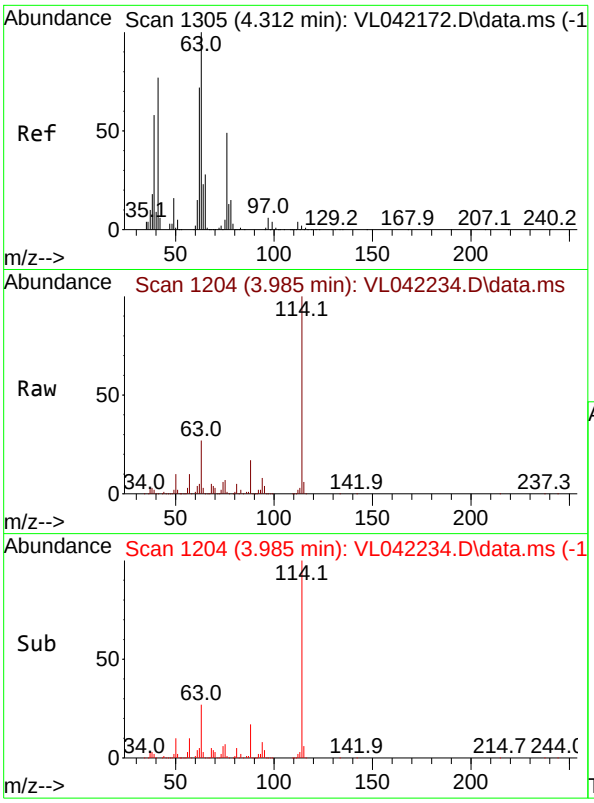


#36
Benzene
Concen: 0.138 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 78 Resp: 7218

Ion	Ratio	Lower	Upper
78	100		
77	27.6	19.1	28.7
50	12.5	16.6	24.8#



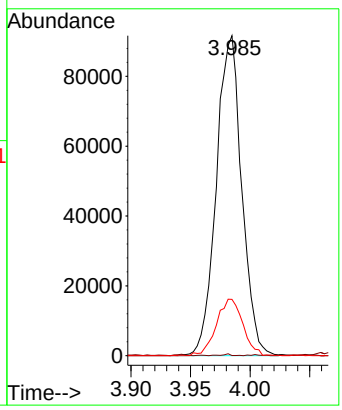


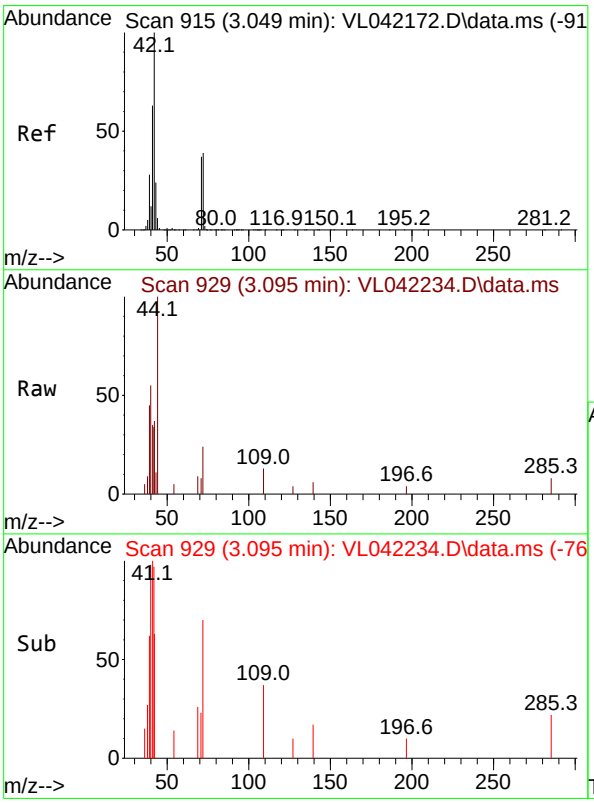
#39
1,2-Dichloropropane
Concen: 7.145 ppbv
RT: 3.985 min Scan# 1
Delta R.T. -0.327 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 63 Resp: 136029

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.7	92.5#
62	17.6	57.6	86.4#

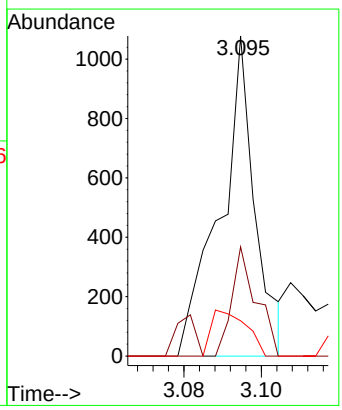


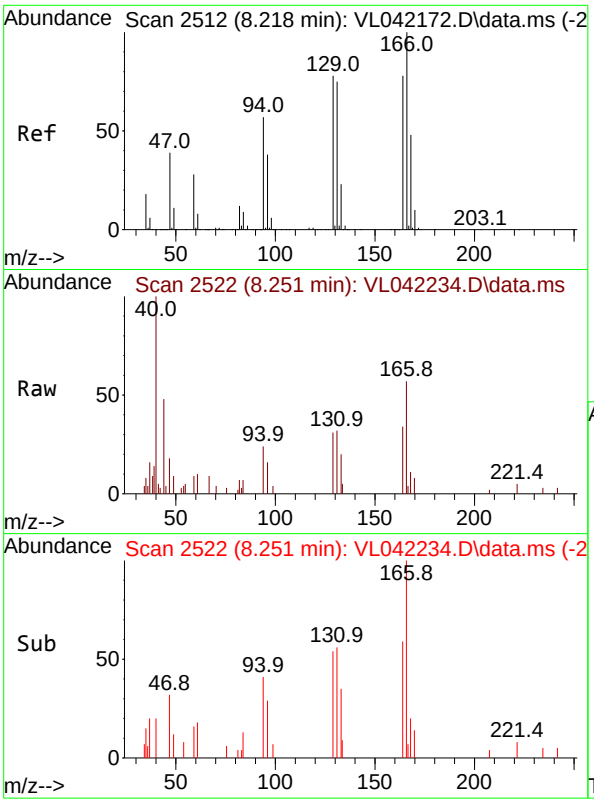


#41
Tetrahydrofuran
Concen: 0.031 ppbv
RT: 3.095 min Scan# 929
Delta R.T. 0.045 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 42 Resp: 675

Ion	Ratio	Lower	Upper
42	100		
72	31.4	31.4	47.0
71	14.4	30.2	45.4#



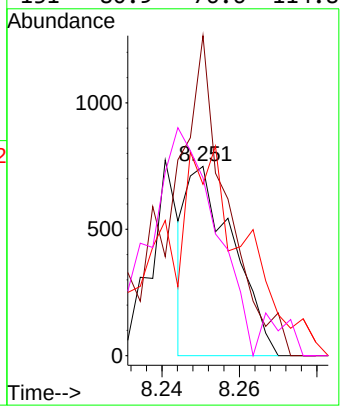


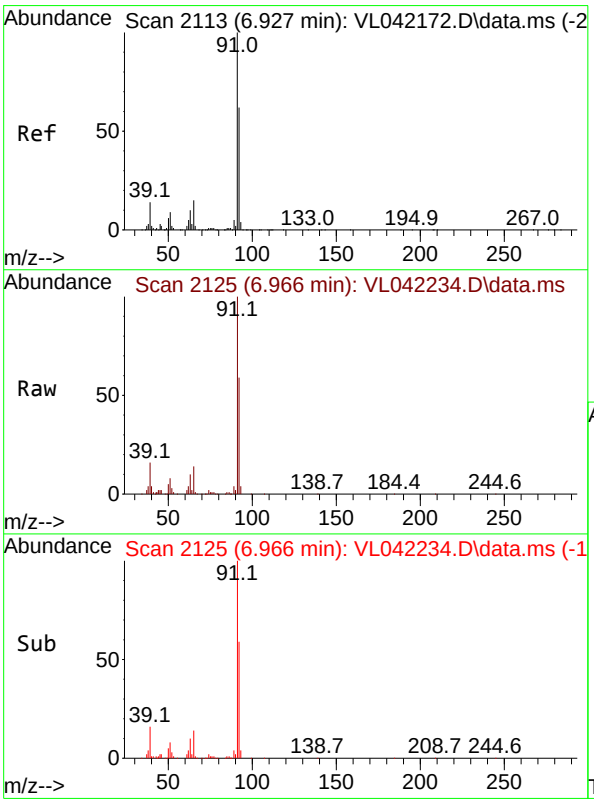
#52
Tetrachloroethene
Concen: 0.030 ppbv
RT: 8.251 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:164 Resp: 622

Ion	Ratio	Lower	Upper
164	100		
166	158.5	102.5	153.7#
129	68.8	79.8	119.8#
131	80.9	76.6	114.8

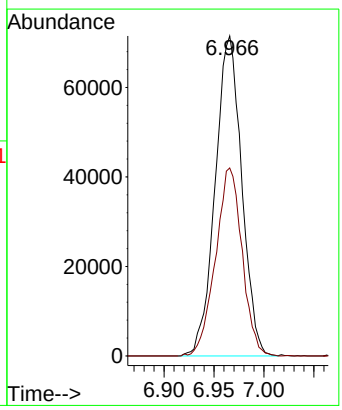


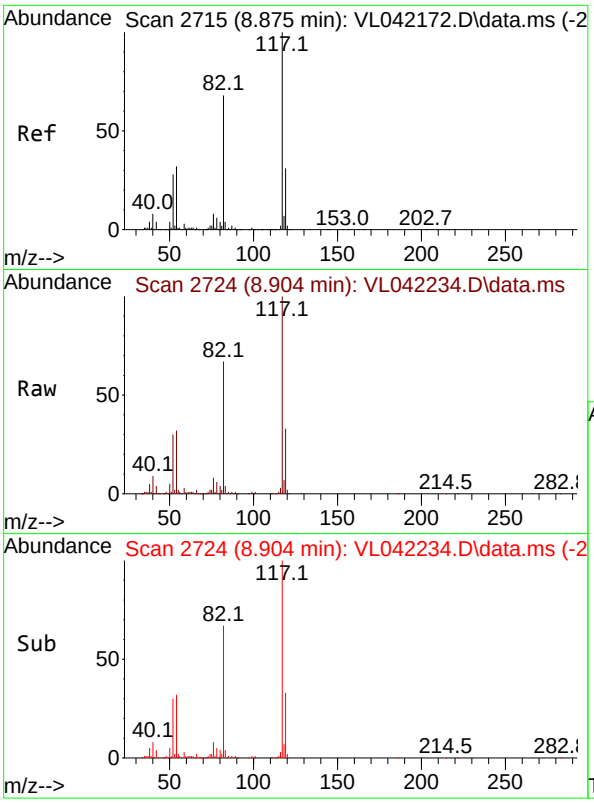


#53
Toluene
Concen: 2.132 ppbv
RT: 6.966 min Scan# 2125
Delta R.T. 0.039 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 91 Resp: 132108

Ion	Ratio	Lower	Upper
91	100		
92	58.9	48.4	72.6



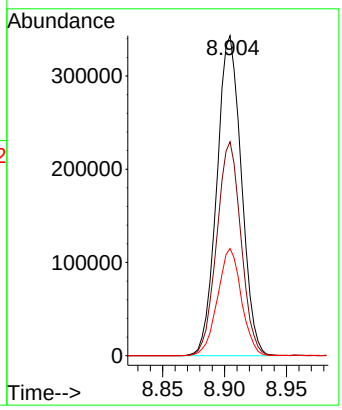


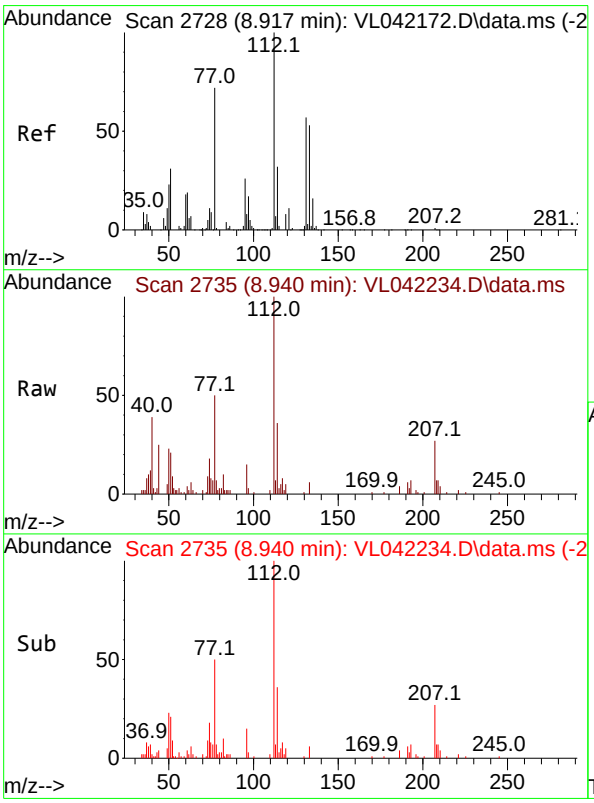
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:117 Resp: 473671

Ion	Ratio	Lower	Upper
117	100		
82	66.2	55.8	83.6
119	32.8	25.5	38.3

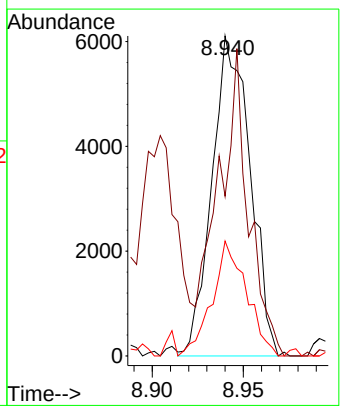


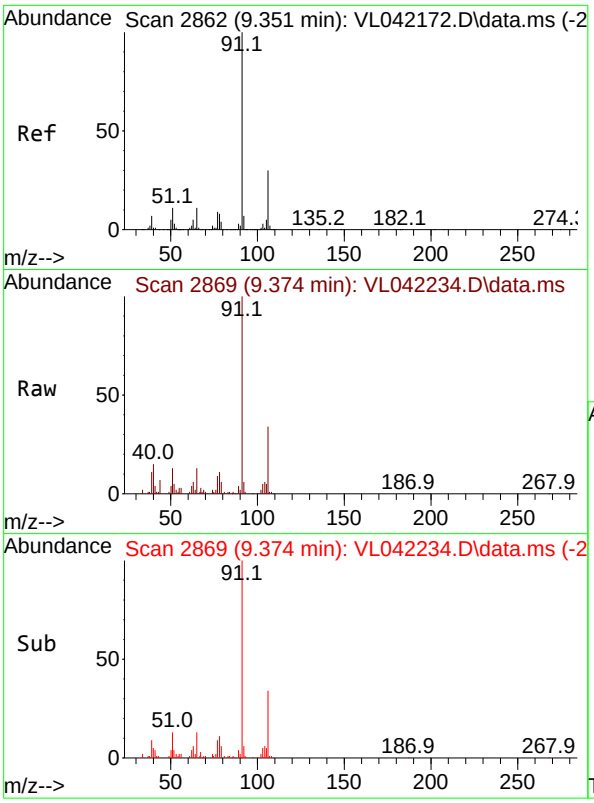


#57
Chlorobenzene
Concen: 0.198 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:112 Resp: 8901

Ion	Ratio	Lower	Upper
112	100		
77	46.2	58.2	87.2#
114	35.9	29.1	35.5#



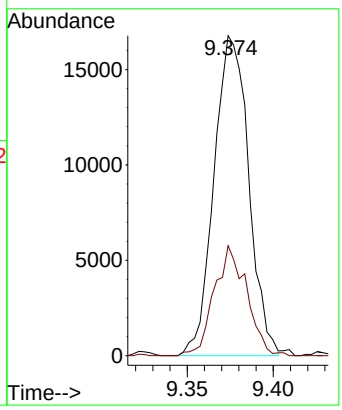


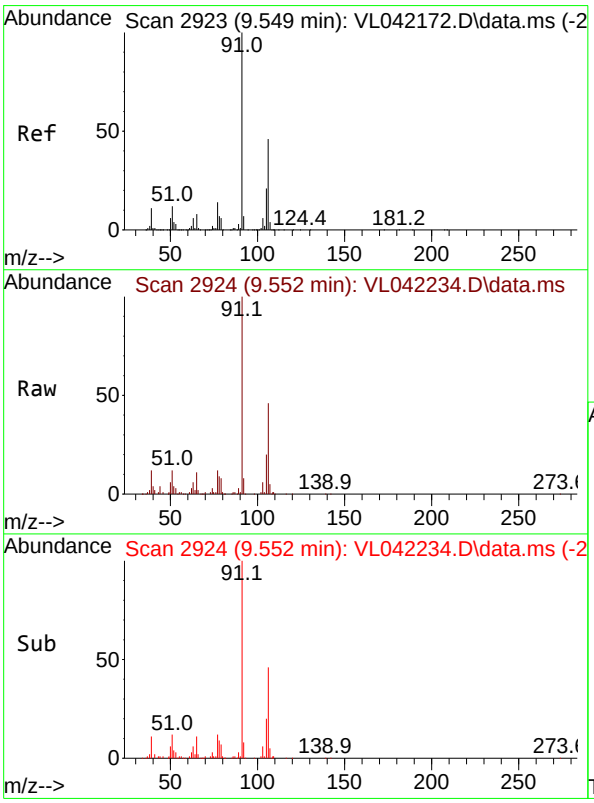
#58
Ethyl Benzene
Concen: 0.279 ppbv
RT: 9.374 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 91 Resp: 23493

Ion	Ratio	Lower	Upper
91	100		
106	34.3	24.2	36.2

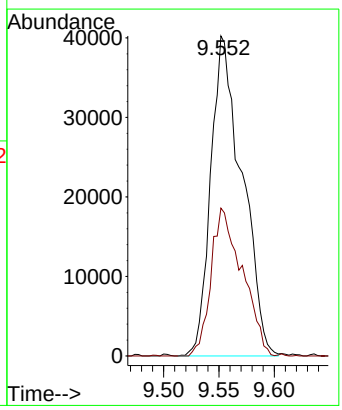


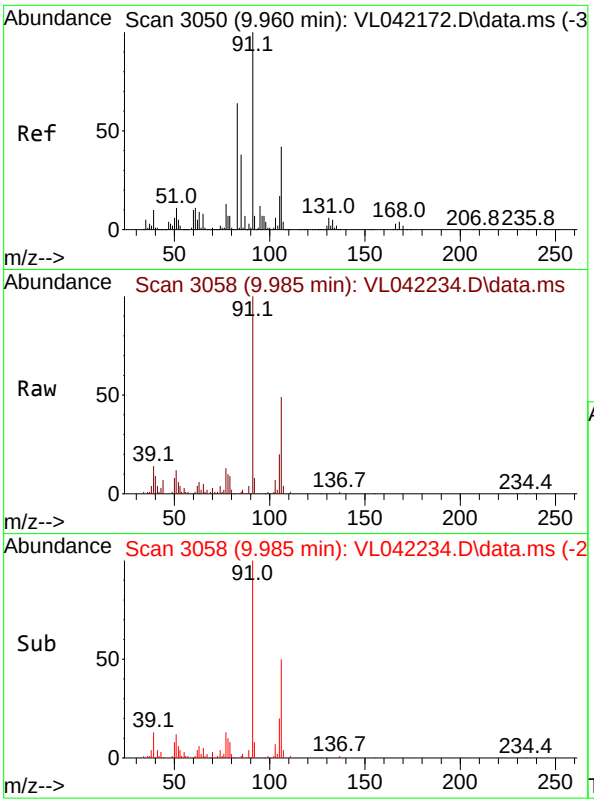


#59
m/p-Xylene
Concen: 1.177 ppbv
RT: 9.552 min Scan# 2924
Delta R.T. 0.003 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 91 Resp: 79086

Ion	Ratio	Lower	Upper
91	100		
106	46.2	36.4	54.6



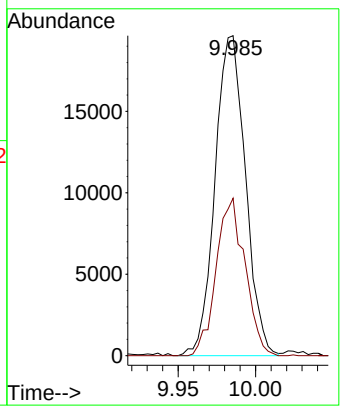


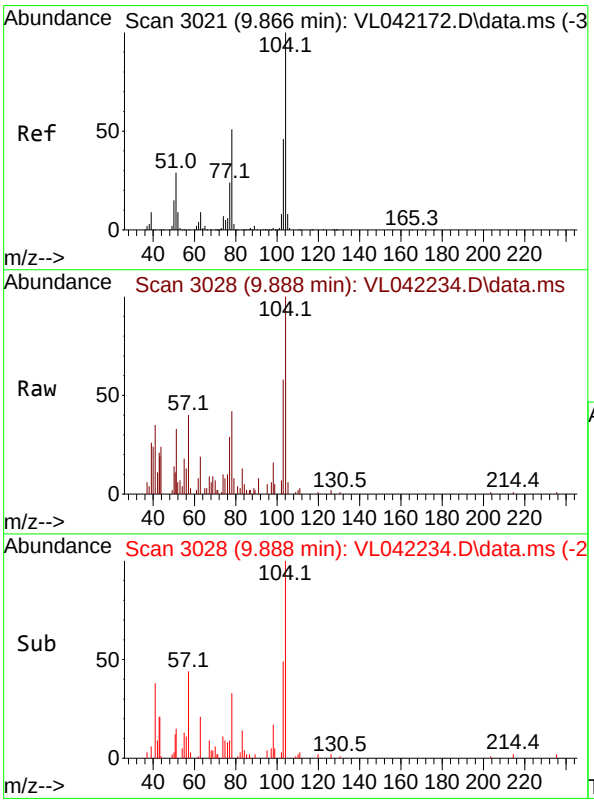
#60
o-Xylene
Concen: 0.398 ppbv
RT: 9.985 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion: 91 Resp: 26822

Ion	Ratio	Lower	Upper
91	100		
106	46.6	20.8	62.5

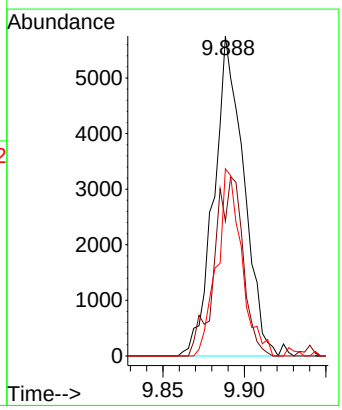


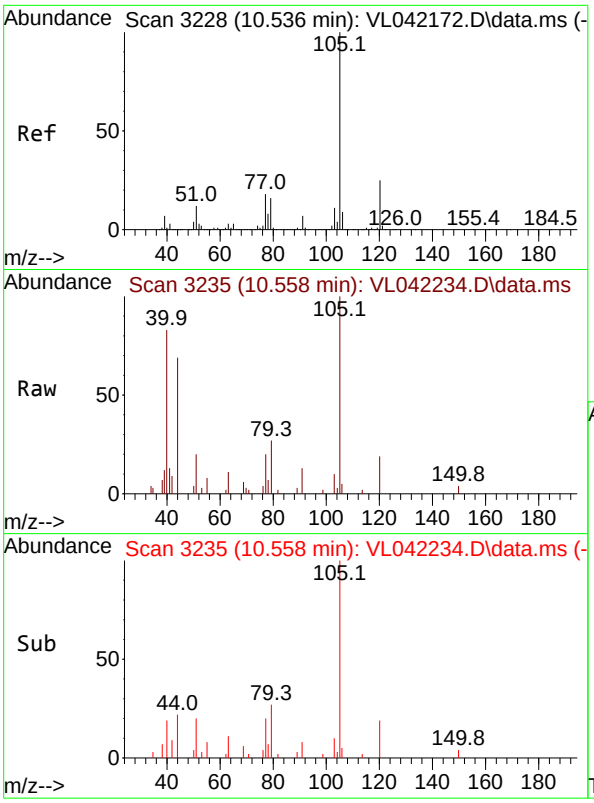


#61
Styrene
Concen: 0.219 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:104 Resp: 7302

Ion	Ratio	Lower	Upper
104	100		
78	53.5	41.8	62.6
103	49.3	37.0	55.4



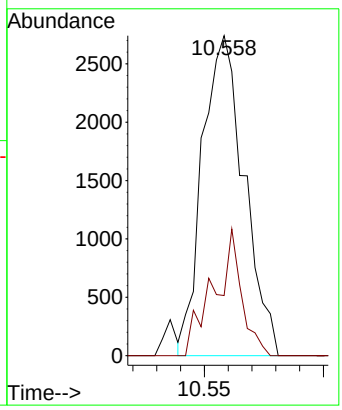


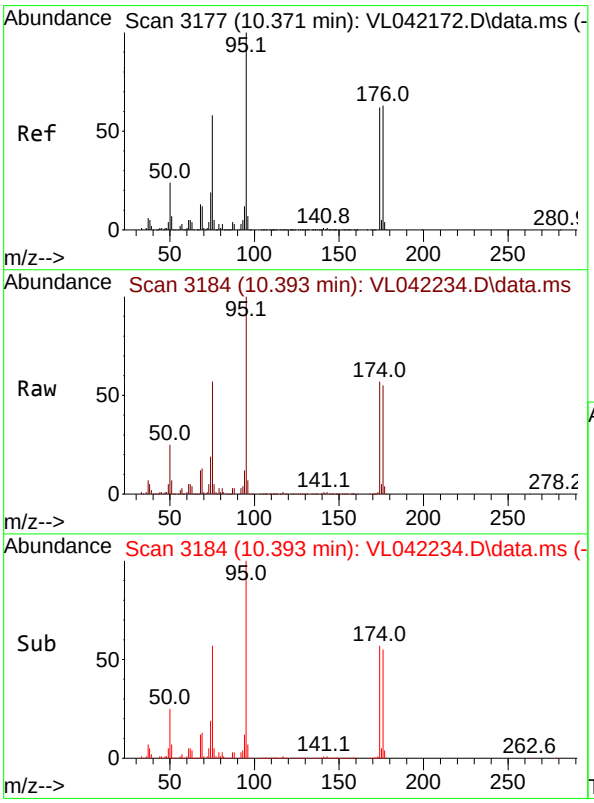
#62
Isopropylbenzene
Concen: 0.033 ppbv
RT: 10.558 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:105 Resp: 3342

Ion	Ratio	Lower	Upper
105	100		
120	26.4	19.9	29.9

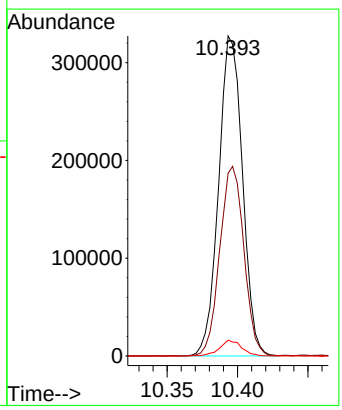


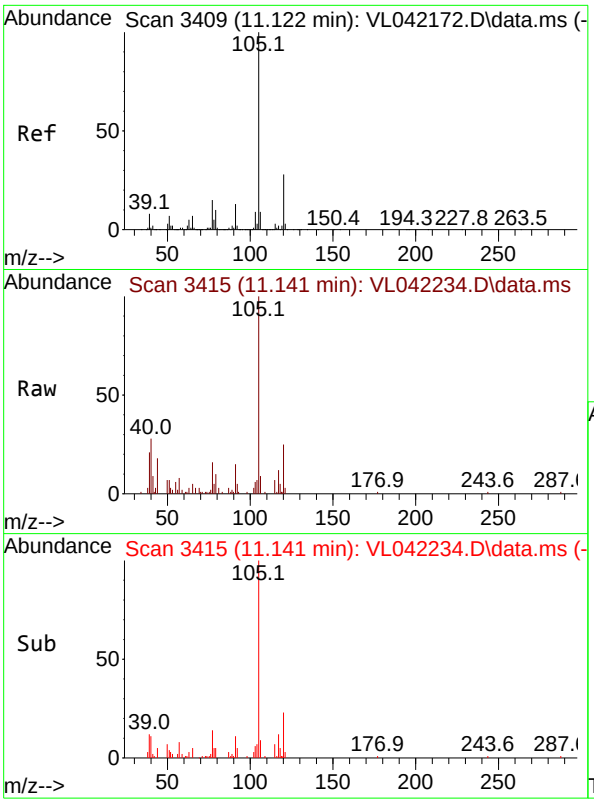


#68
1-Bromo-4-Fluorobenzene
Concen: 9.917 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion: 95 Resp: 385746

Ion	Ratio	Lower	Upper
95	100		
174	60.0	50.6	76.0
175	4.6	3.8	5.6



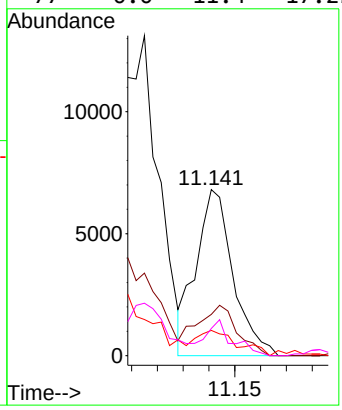


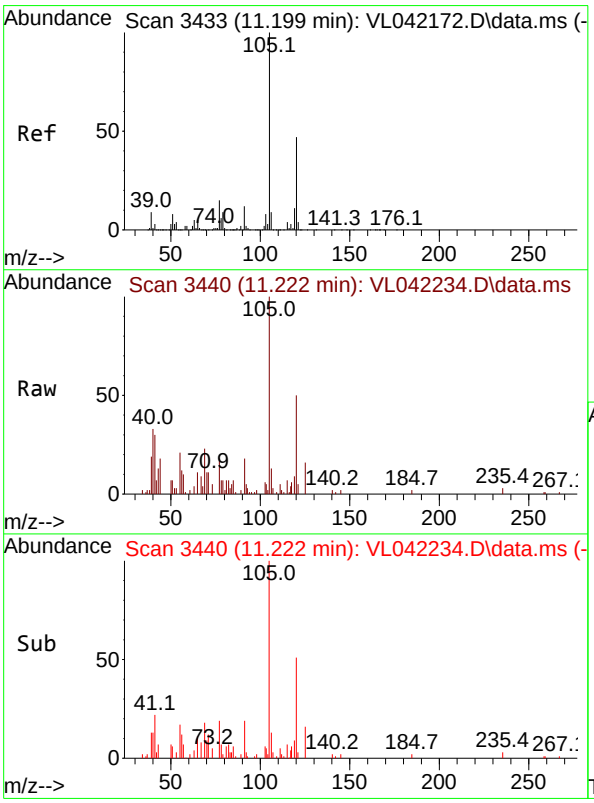
#72
4-Ethyltoluene
Concen: 0.081 ppbv
RT: 11.141 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:105 Resp: 6813

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	0.0	10.3	15.5#
77	0.0	11.4	17.2#

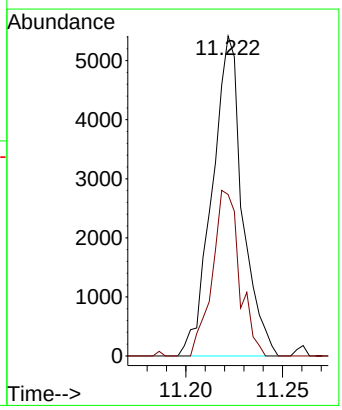


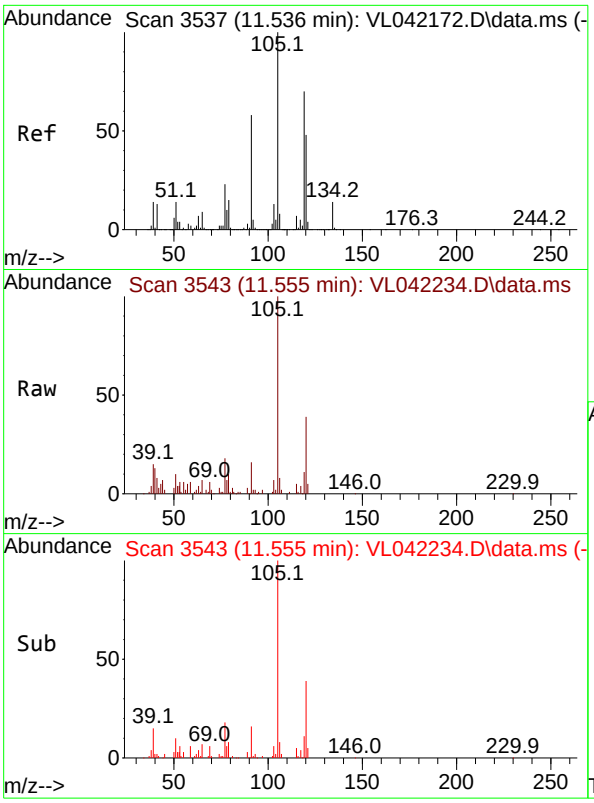


#73
1,3,5-Trimethylbenzene
Concen: 0.081 ppbv
RT: 11.222 min Scan# 3440
Delta R.T. 0.023 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Tgt Ion:105 Resp: 5904

Ion	Ratio	Lower	Upper
105	100		
120	50.4	37.4	56.0



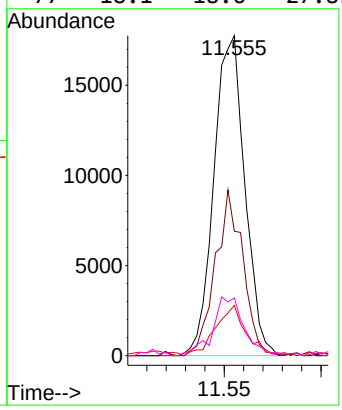


#74
1,2,4-Trimethylbenzene
Concen: 0.233 ppbv
RT: 11.555 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042234.D
Acq: 07 Apr 2025 14:18

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B1-2-04012025

Tgt Ion:105 Resp: 19699

Ion	Ratio	Lower	Upper
105	100		
120	38.9	38.6	58.0
91	15.2	46.2	69.2#
77	18.1	18.6	27.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Time: Apr 08 01:32:36 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	2.803	49	200550	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	538469	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.901	117	487966	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	392922	9.805	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.502	85	11812	0.399	ppbv		99
3) Chlorodifluoromethane	1.479	51	5046	0.167	ppbv	#	85
4) Chloromethane	1.538	50	1607	0.133	ppbv		97
7) Chloroethane	1.709	64	274	0.056	ppbv	#	43
9) Propene	1.894	41	41358	2.983	ppbv		89
10) Heptane	5.011	43	1564	0.042	ppbv	#	28
11) Trichlorofluoromethane	1.887	101	6560	0.228	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.153	101	2246	0.095	ppbv		87
13) Ethanol	1.729	45	165486	126.257	ppbv		81
15) Acetone	1.842	43	878596	31.325	ppbv		97
16) 1,3-Butadiene	1.606	39	31473	2.298	ppbv	#	20
17) tert-Butyl alcohol	1.894	59	15656	0.448	ppbv		95
18) 1,1-Dichloroethene	2.046	96	17208	1.554	ppbv		98
19) Isopropyl Alcohol	1.894	45	429215	27.122	ppbv	#	85
20) Methylene Chloride	2.072	84	7004	0.670	ppbv	#	81
21) Allyl Chloride	2.052	41	6028	0.305	ppbv	#	71
22) trans-1,2-Dichloroethene	2.046	96	17208	1.345	ppbv	#	78
23) Vinyl Acetate	2.470	43	14231	1.172	ppbv	#	85
24) 1,1-Dichloroethane	2.421	63	2995	0.126	ppbv	#	91
25) Ethyl Acetate	2.862	43	2278	0.031	ppbv	#	1
26) Hexane	2.842	57	12578	0.447	ppbv	#	1
29) Chloroform	2.865	83	5091112	123.718	ppbv	#	64
31) cis-1,2-Dichloroethene	2.735	61	886	0.031	ppbv	#	54
32) 1,1,1-Trichloroethane	3.389	97	5002	0.106	ppbv		96
34) 2-Butanone	2.573	43	26940	0.690	ppbv		99
35) Carbon Tetrachloride	3.787	117	149549	3.555	ppbv		97
36) Benzene	3.677	78	9849	0.184	ppbv		97
38) Trichloroethene	4.577	130	20401	0.916	ppbv	#	83
39) 1,2-Dichloropropane	3.981	63	139255	7.163	ppbv	#	23
41) Tetrahydrofuran	3.091	42	1861	0.083	ppbv	#	61
42) Bromodichloromethane	4.509	83	7639	0.181	ppbv		89
51) 2-Hexanone	7.480	43	2701	0.053	ppbv	#	28
52) Tetrachloroethene	8.247	164	66227	3.128	ppbv		96
53) Toluene	6.962	91	88021	1.391	ppbv		99
58) Ethyl Benzene	9.377	91	22956	0.265	ppbv	#	87
59) m/p-Xylene	9.552	91	78245	1.131	ppbv		100
60) o-Xylene	9.982	91	26678	0.385	ppbv		97
61) Styrene	9.888	104	11796	0.344	ppbv		95
62) Isopropylbenzene	10.558	105	3298	0.032	ppbv	#	89
64) n-propylbenzene	11.002	120	1995	0.075	ppbv		90
65) tert-Butylbenzene	11.552	119	3723	0.039	ppbv	#	41
66) Benzyl Chloride	11.633	91	441	0.043	ppbv	#	63
69) p-Isopropyltoluene	11.940	119	3553	0.031	ppbv	#	92

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Time: Apr 08 01:32:36 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)
72)	4-Ethyltoluene	11.141	105	10060	0.116	ppbv	#	68
73)	1,3,5-Trimethylbenzene	11.215	105	7009	0.093	ppbv		87
74)	1,2,4-Trimethylbenzene	11.552	105	33126	0.381	ppbv	#	66

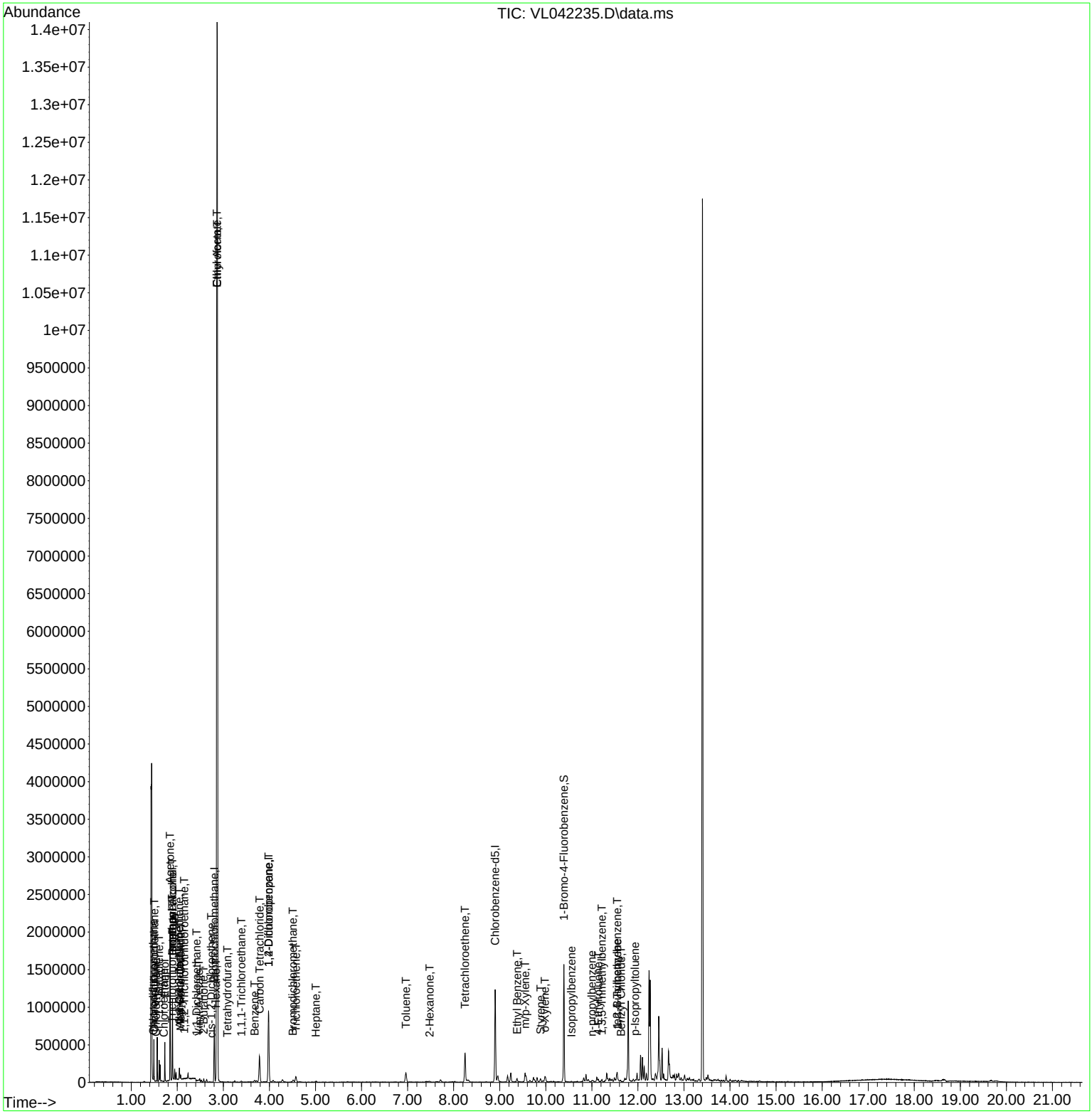
(#) = qualifier out of range (m) = manual integration (+) = signals summed

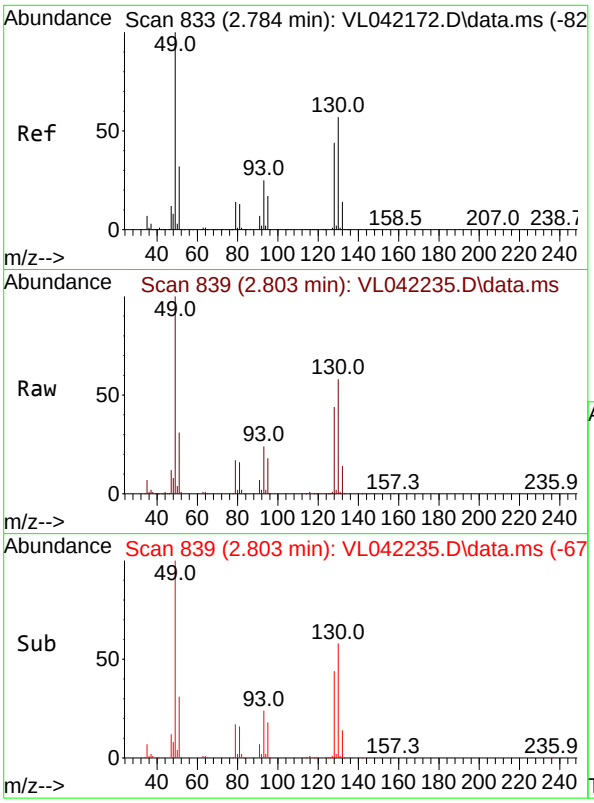
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042235.D
Acq On : 07 Apr 2025 14:51
Operator : SY/MD
Sample : Q1725-02
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Quant Time: Apr 08 01:32:36 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



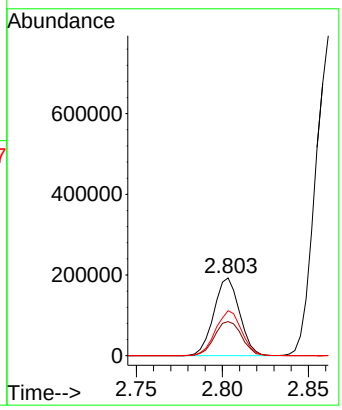


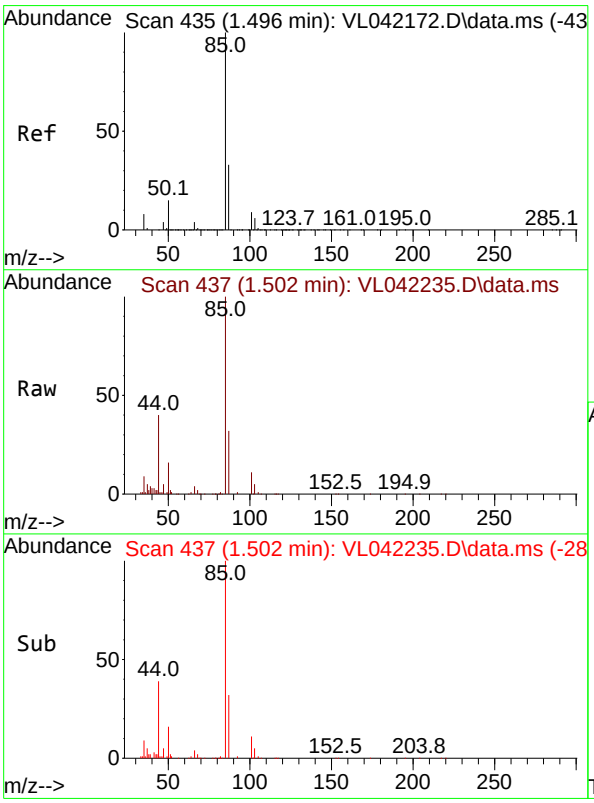
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 49 Resp: 200550

Ion	Ratio	Lower	Upper
49	100		
128	46.5	22.9	68.5
130	58.5	28.8	86.4

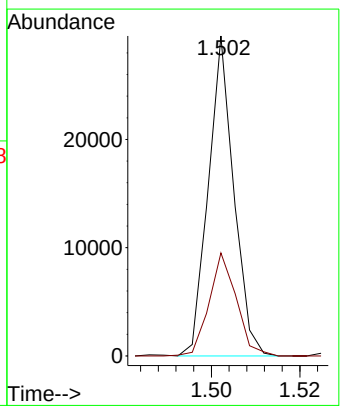


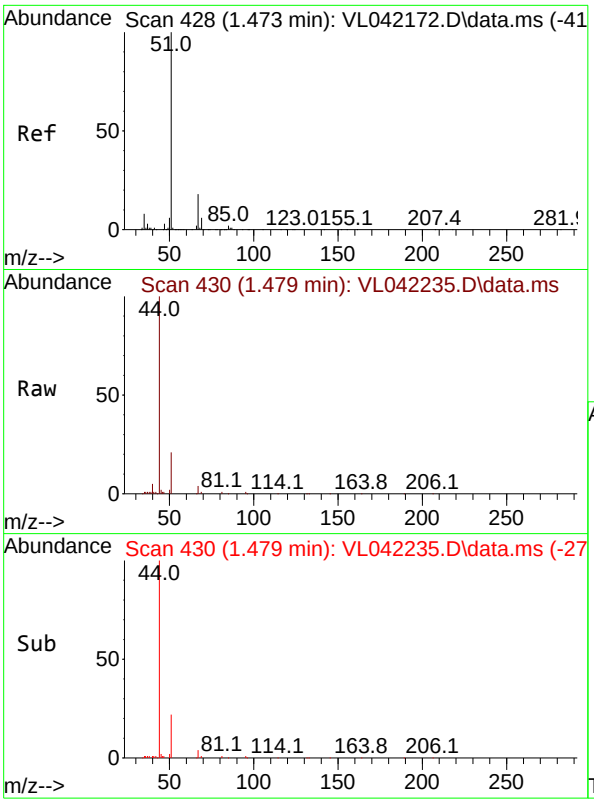


#2
Dichlorodifluoromethane
Concen: 0.399 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 85 Resp: 11812

Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.1	39.1



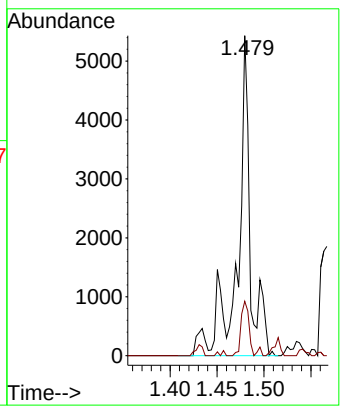


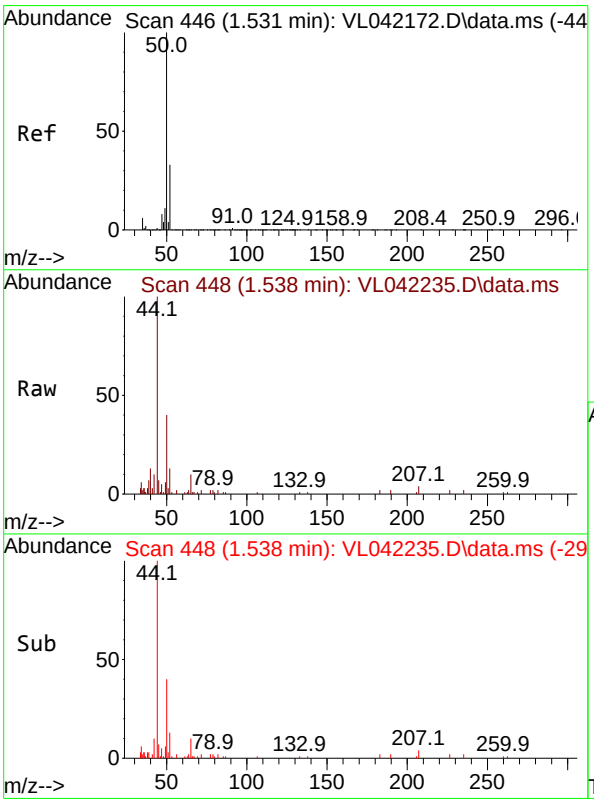
#3
Chlorodifluoromethane
Concen: 0.167 ppbv
RT: 1.479 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 51 Resp: 5046

Ion	Ratio	Lower	Upper
51	100		
67	12.0	15.0	22.6#

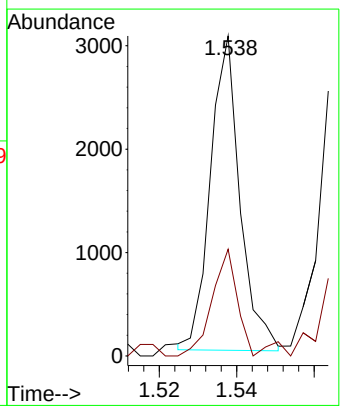


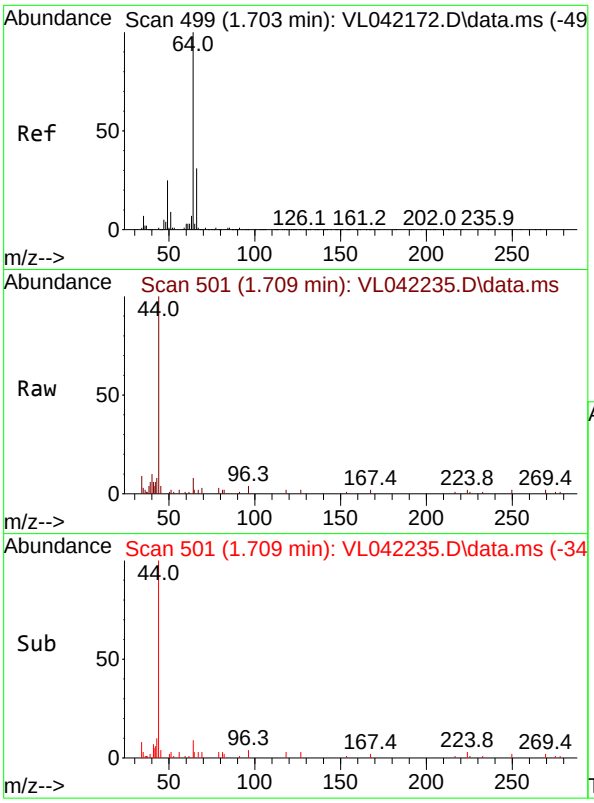


#4
Chloromethane
Concen: 0.133 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 50 Resp: 1607

Ion	Ratio	Lower	Upper
50	100		
52	34.4	26.1	39.1



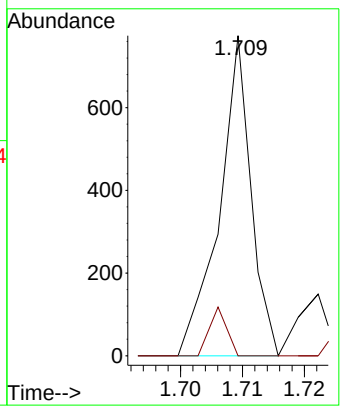


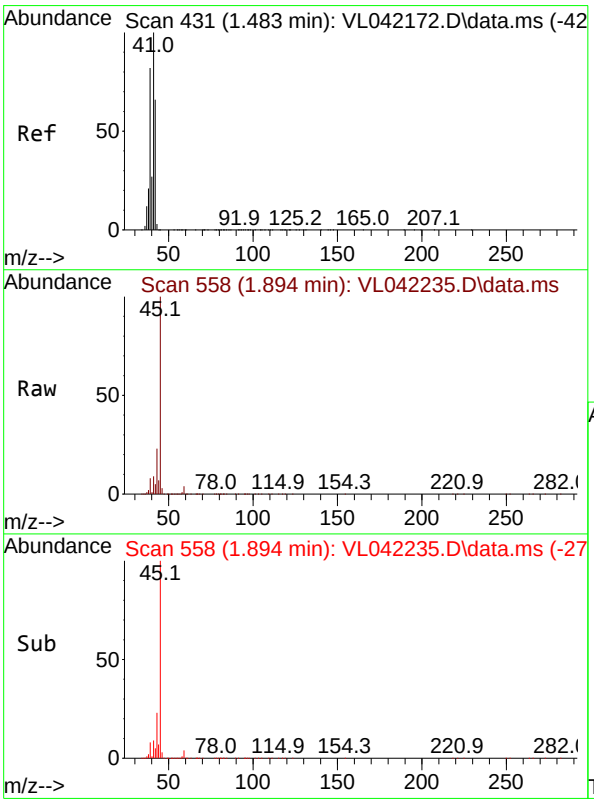
#7
Chloroethane
Concen: 0.056 ppbv
RT: 1.709 min Scan# 5(
Delta R.T. 0.006 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 64 Resp: 274

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.2	37.8#

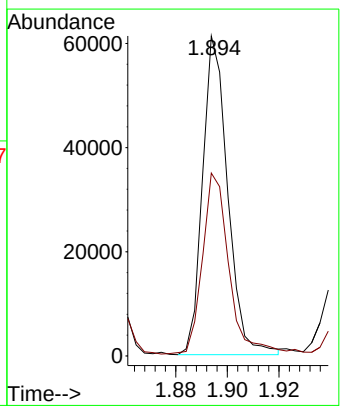


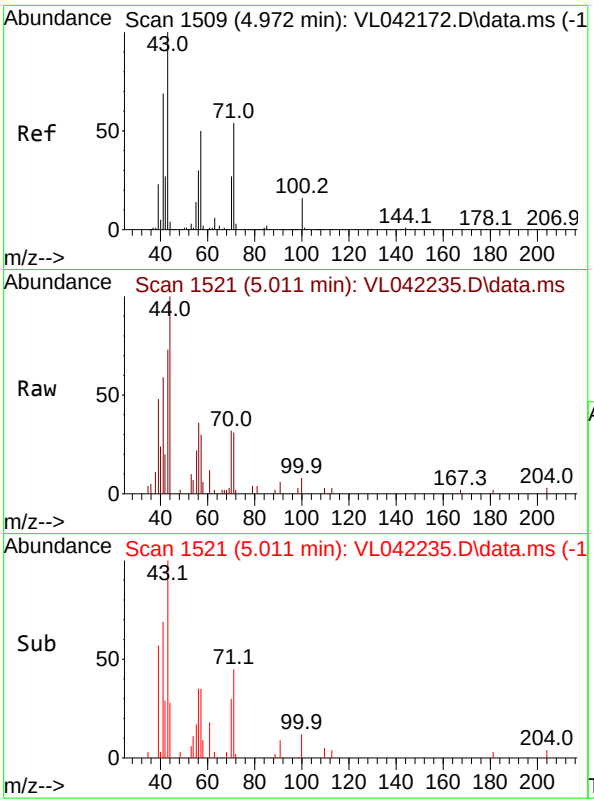


#9
Propene
Concen: 2.983 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.411 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 41 Resp: 41358

Ion	Ratio	Lower	Upper
41	100		
42	60.5	55.4	83.2



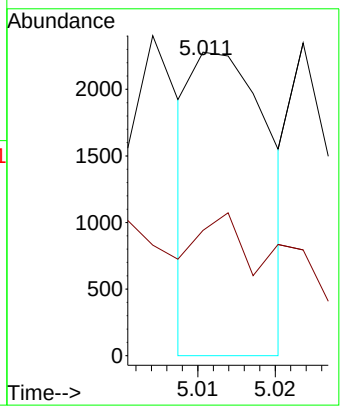


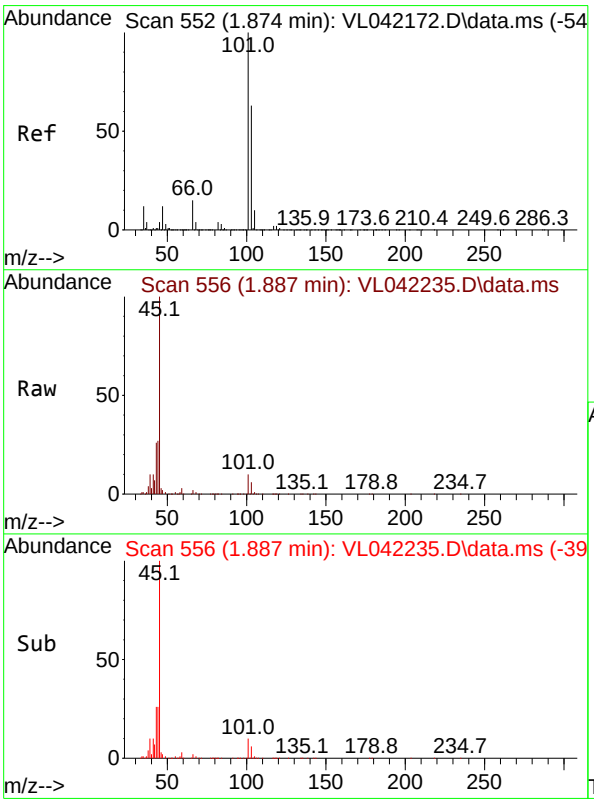
#10
Heptane
Concen: 0.042 ppbv
RT: 5.011 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 43 Resp: 1564

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2#

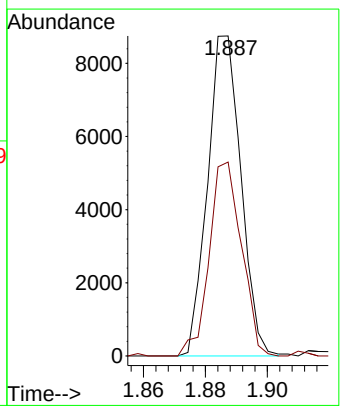


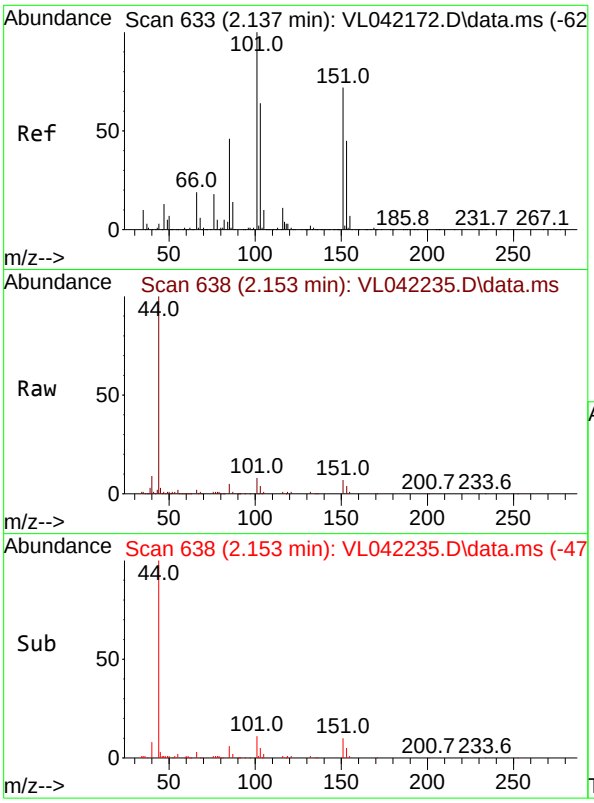


#11
Trichlorofluoromethane
Concen: 0.228 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:101 Resp: 6560

Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.2	75.2



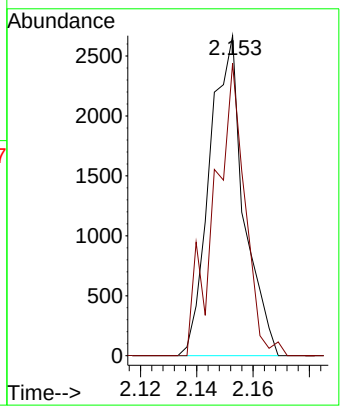


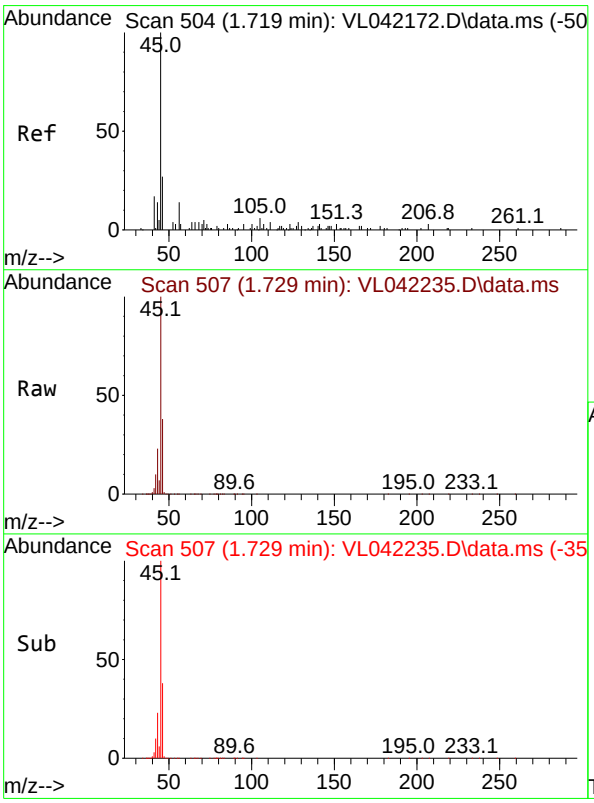
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.095 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion:101 Resp: 2246

Ion	Ratio	Lower	Upper
101	100		
151	82.0	57.1	85.7

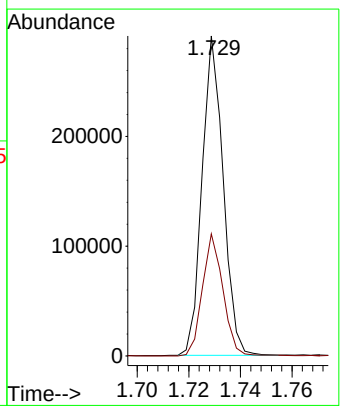


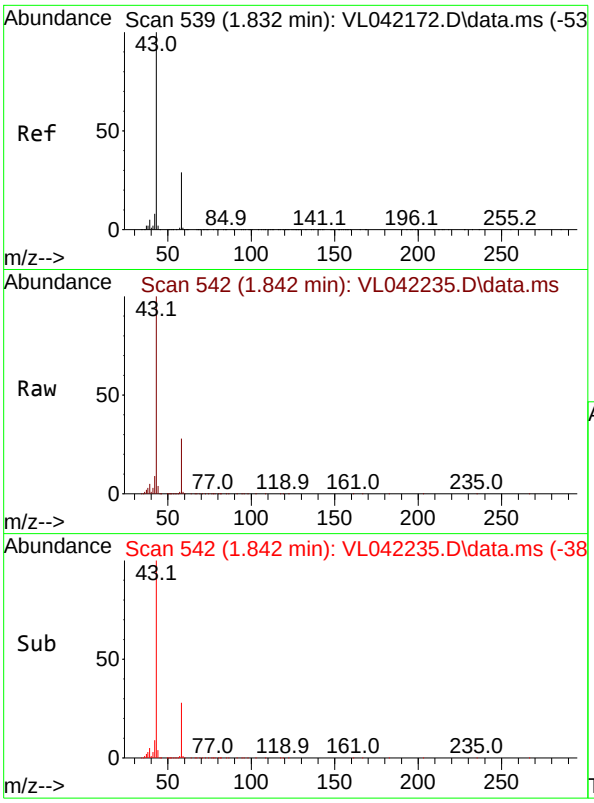


#13
Ethanol
Concen: 126.257 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 45 Resp: 165486

Ion	Ratio	Lower	Upper
45	100		
46	37.6	20.2	80.8



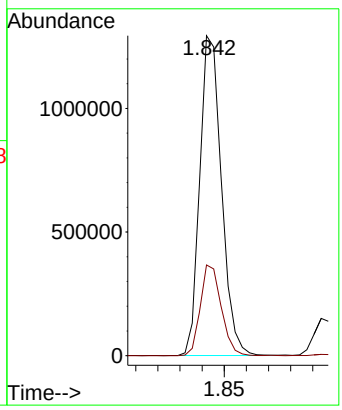


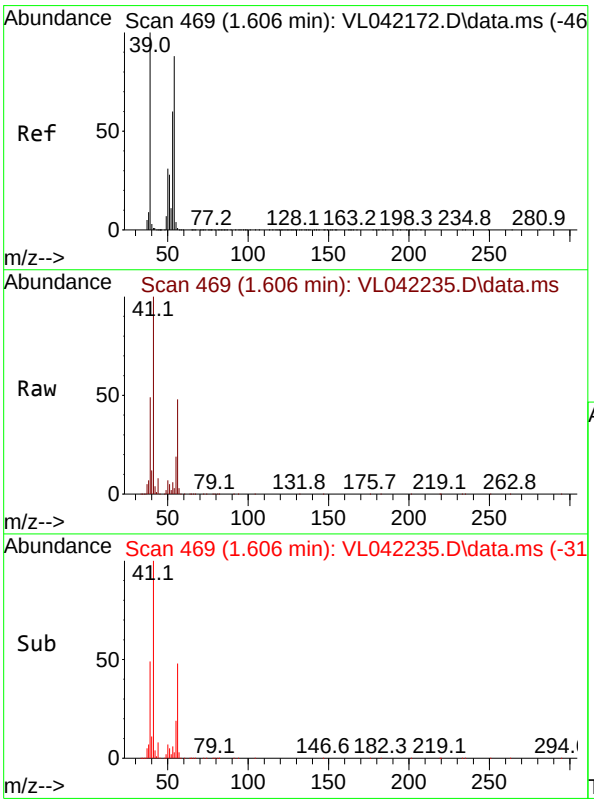
#15
Acetone
Concen: 31.325 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 43 Resp: 878596

Ion	Ratio	Lower	Upper
43	100		
58	27.4	23.2	34.8

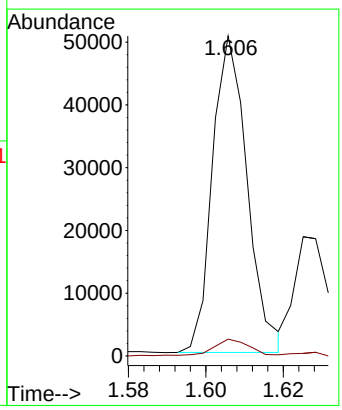


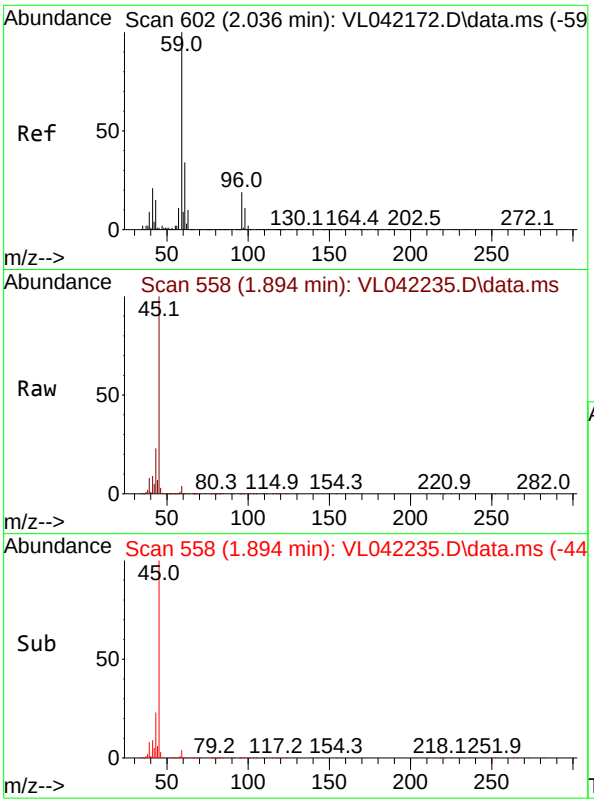


#16
1,3-Butadiene
Concen: 2.298 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 39 Resp: 31473

Ion	Ratio	Lower	Upper
39	100		
54	7.0	60.7	91.1#



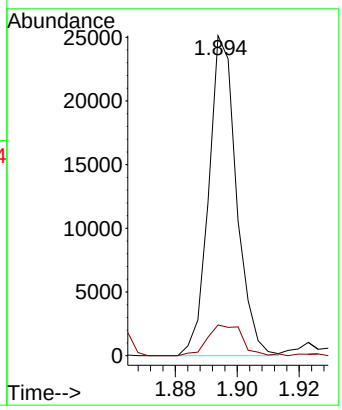


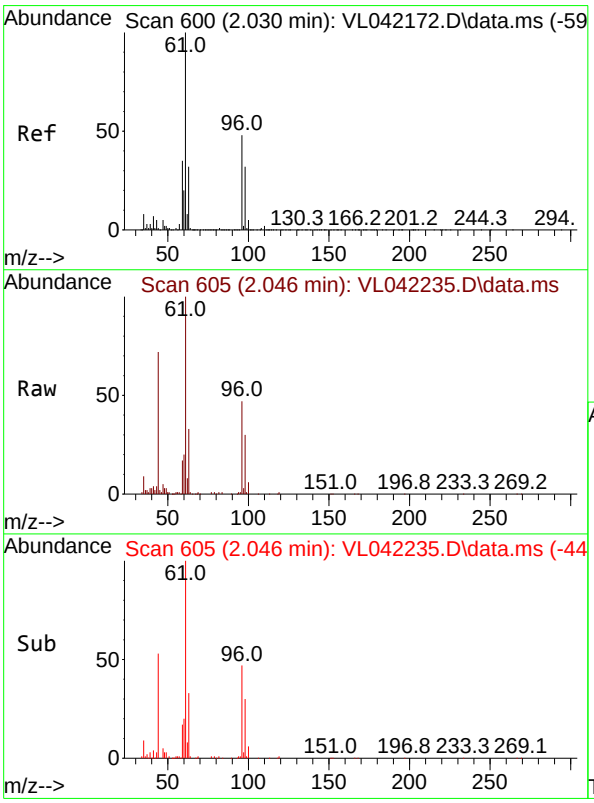
#17
tert-Butyl alcohol
Concen: 0.448 ppbv
RT: 1.894 min Scan# 5
Delta R.T. -0.143 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 59 Resp: 15656

Ion	Ratio	Lower	Upper
59	100		
57	13.0	8.9	13.3

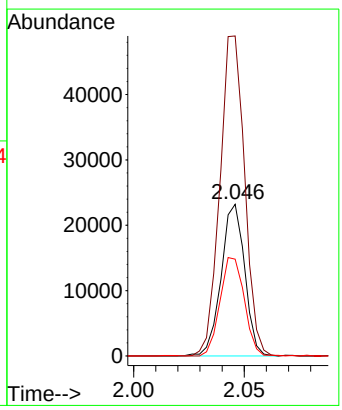


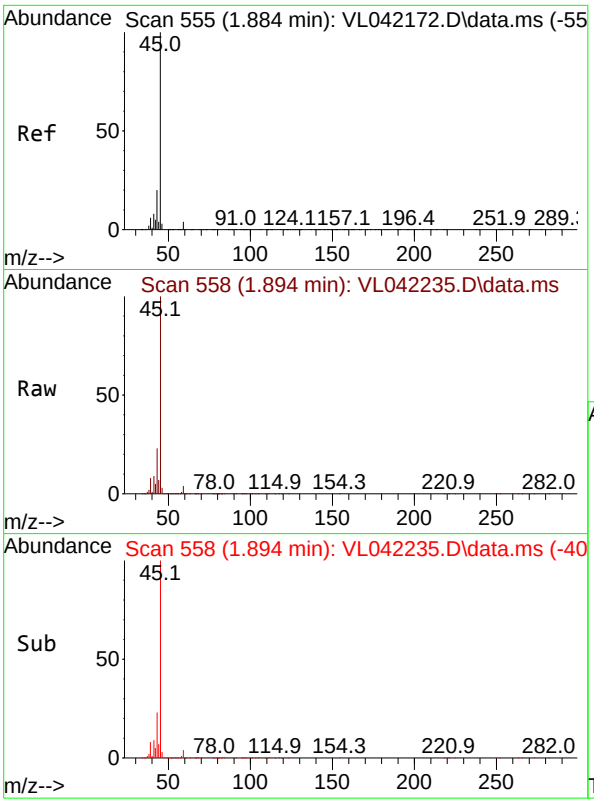


#18
1,1-Dichloroethene
Concen: 1.554 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 96 Resp: 17208

Ion	Ratio	Lower	Upper
96	100		
61	210.9	167.6	251.4
98	63.6	53.5	80.3



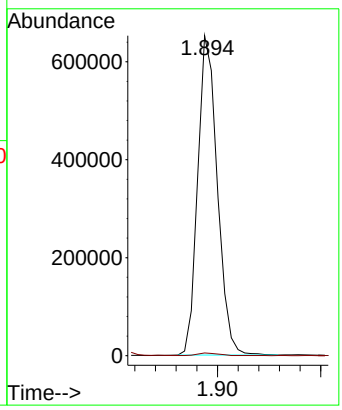


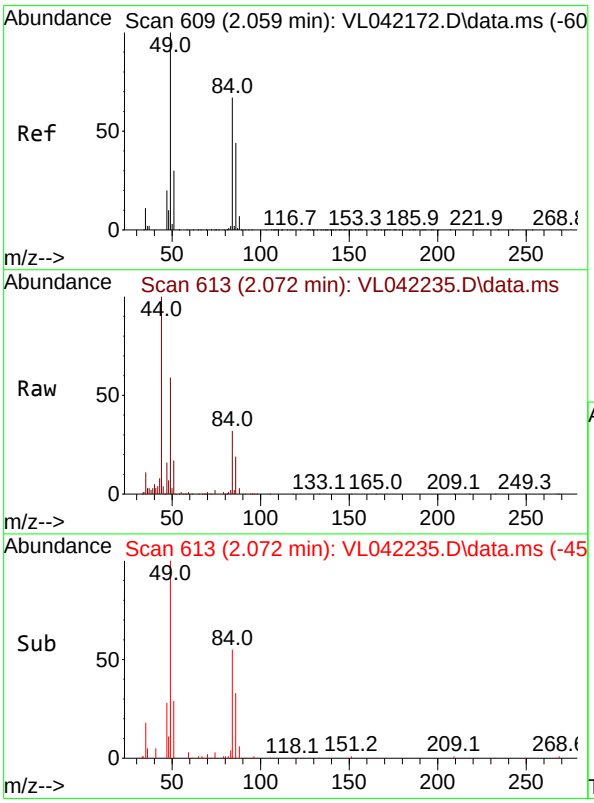
#19
Isopropyl Alcohol
Concen: 27.122 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 45 Resp: 429215

Ion	Ratio	Lower	Upper
45	100		
58	56.0	36.9	55.3#

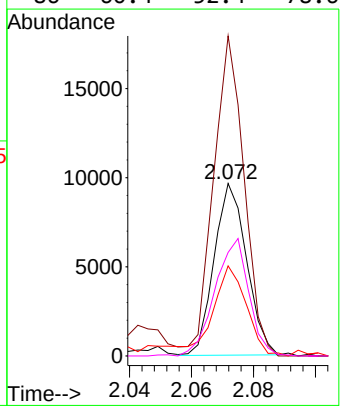


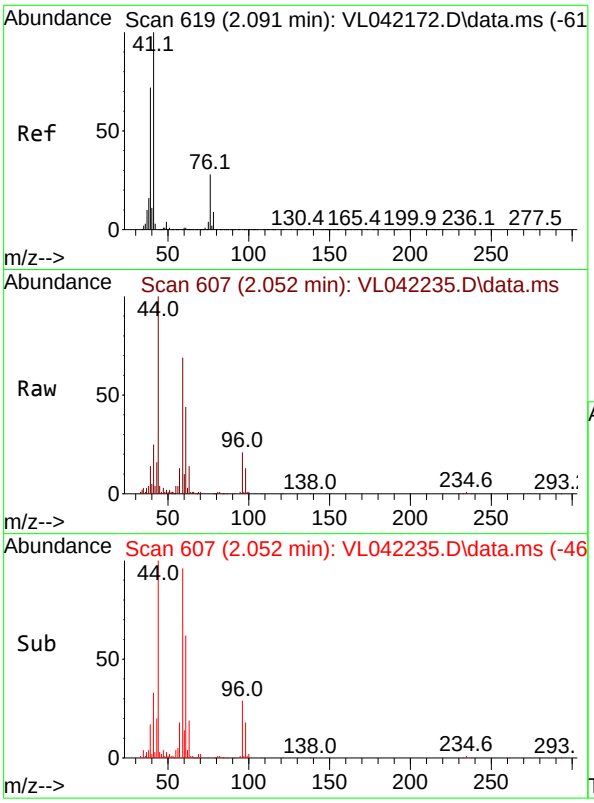


#20
Methylene Chloride
Concen: 0.670 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 84 Resp: 7004

Ion	Ratio	Lower	Upper
84	100		
49	186.7	120.2	180.4#
51	50.8	37.4	56.0
86	60.4	52.4	78.6



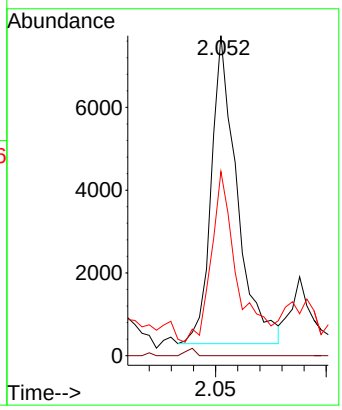


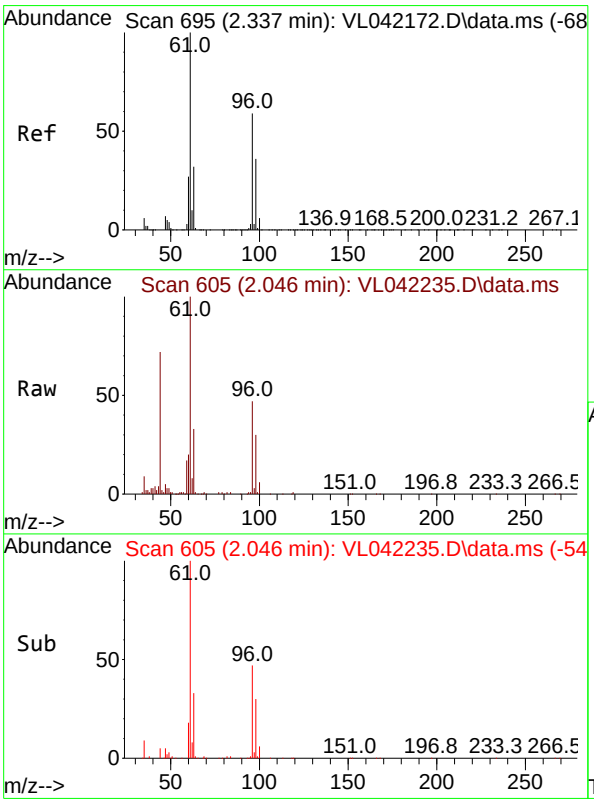
#21
Allyl Chloride
Concen: 0.305 ppbv
RT: 2.052 min Scan# 6
Delta R.T. -0.039 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 41 Resp: 6028

Ion	Ratio	Lower	Upper
41	100		
76	1.7	24.1	36.1#
39	59.6	61.1	91.7#

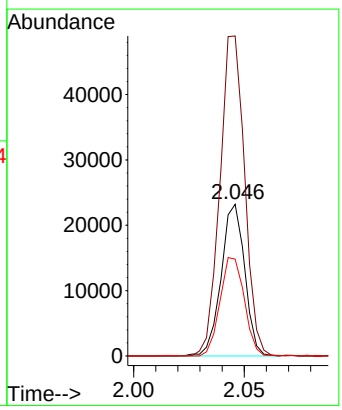


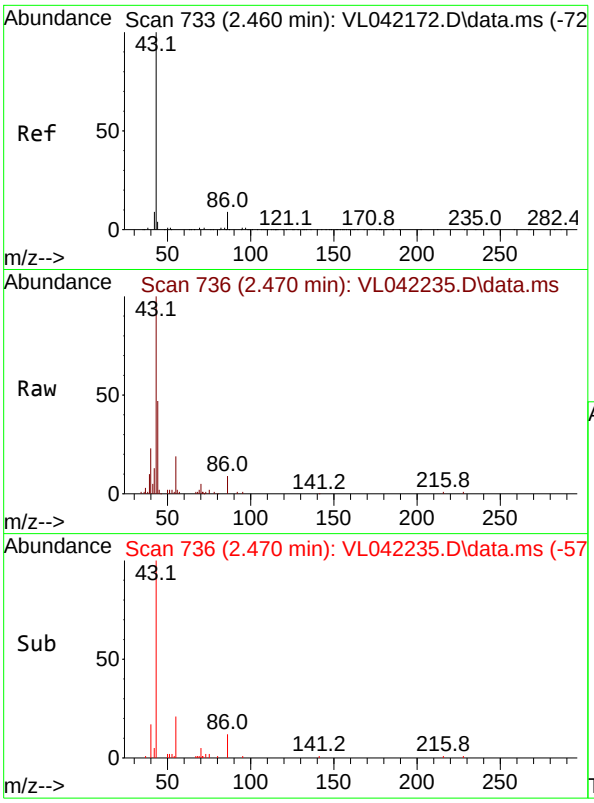


#22
trans-1,2-Dichloroethene
Concen: 1.345 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.291 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 96 Resp: 17208

Ion	Ratio	Lower	Upper
96	100		
61	210.9	136.6	204.8#
98	63.6	49.4	74.2



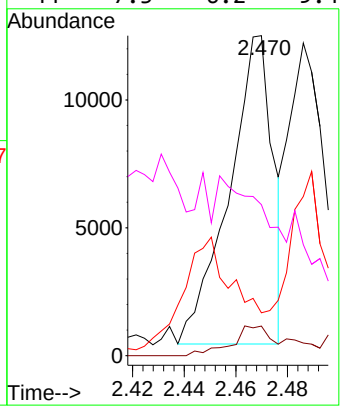


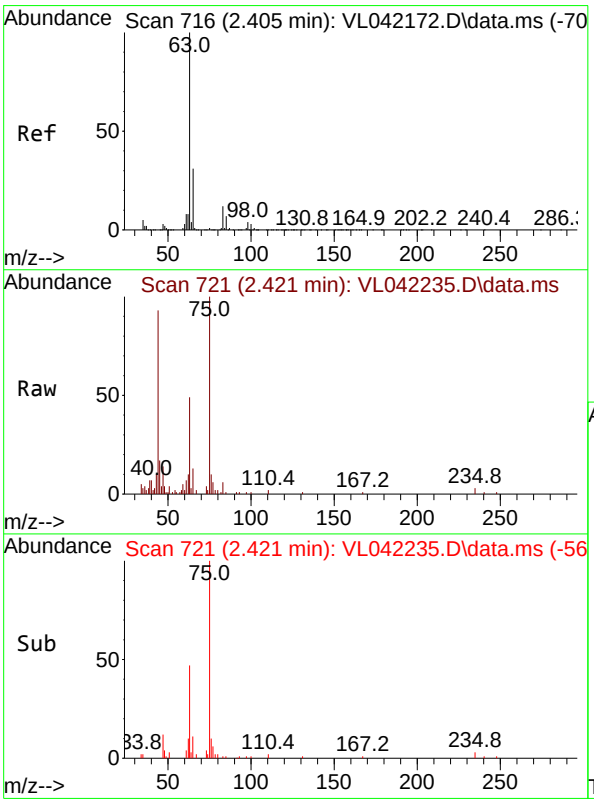
#23
Vinyl Acetate
Concen: 1.172 ppbv
RT: 2.470 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 43 Resp: 14231

Ion	Ratio	Lower	Upper
43	100		
86	9.6	5.5	8.3#
42	0.0	8.6	13.0#
44	7.3	6.2	9.4

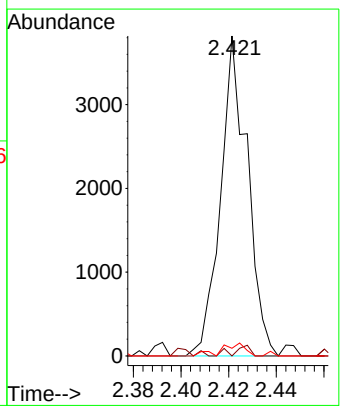


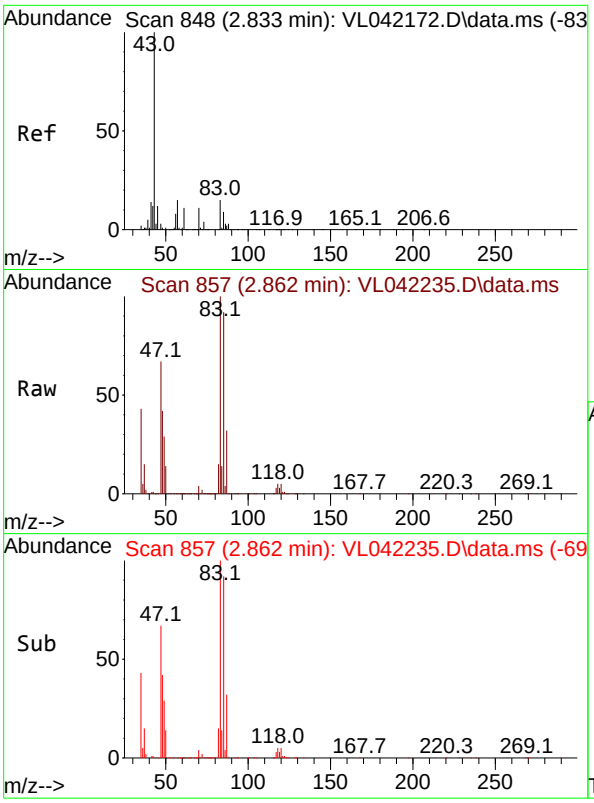


#24
1,1-Dichloroethane
Concen: 0.126 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 63 Resp: 2995

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.8#
100	2.4	1.6	4.7



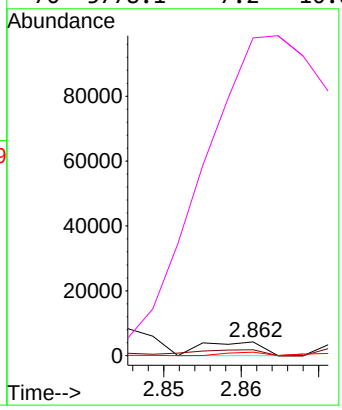


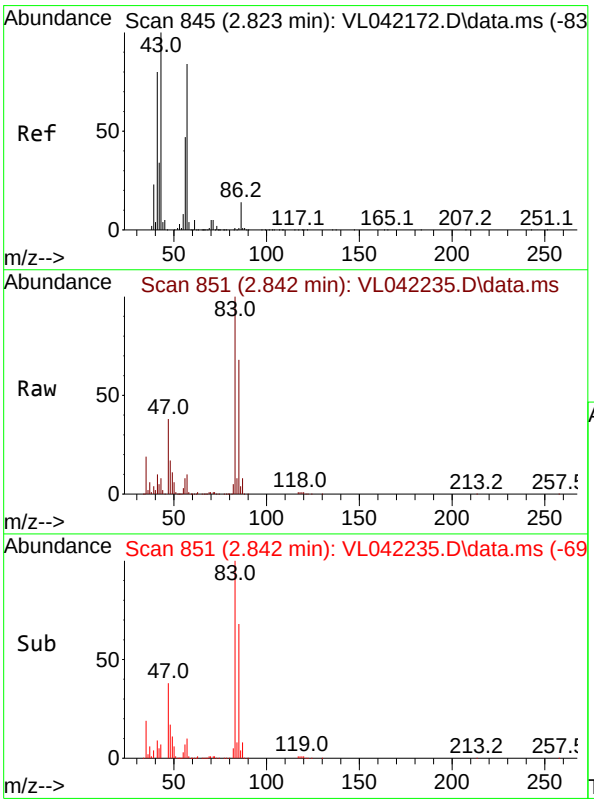
#25
Ethyl Acetate
Concen: 0.031 ppbv
RT: 2.862 min Scan# 8
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 43 Resp: 2278

Ion	Ratio	Lower	Upper
43	100		
45	94.8	8.2	12.2#
61	51.0	7.3	10.9#
70	5778.1	7.2	10.8#

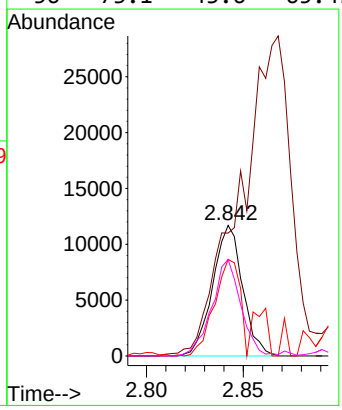


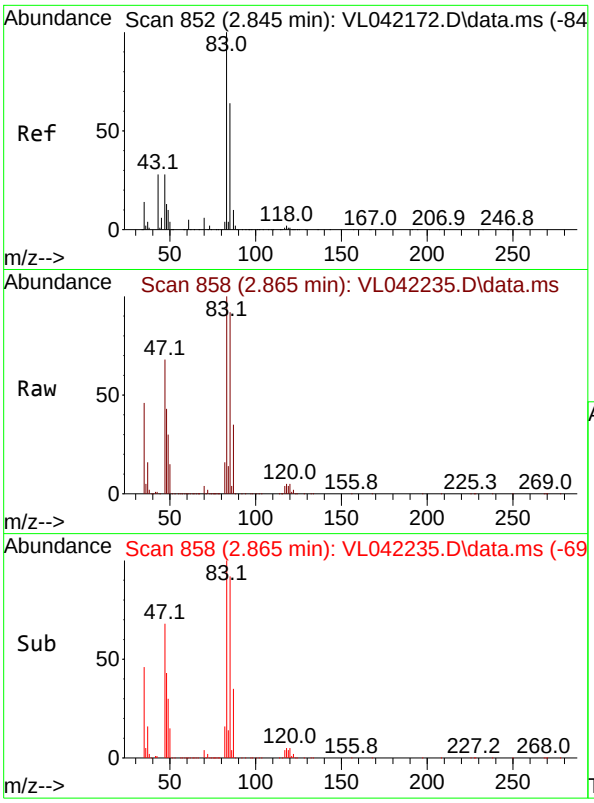


#26
Hexane
Concen: 0.447 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 57 Resp: 12578

Ion	Ratio	Lower	Upper
57	100		
41	455.4	76.6	114.8#
43	86.6	207.8	311.8#
56	73.1	43.6	65.4#



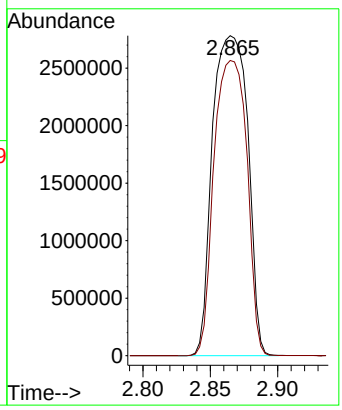


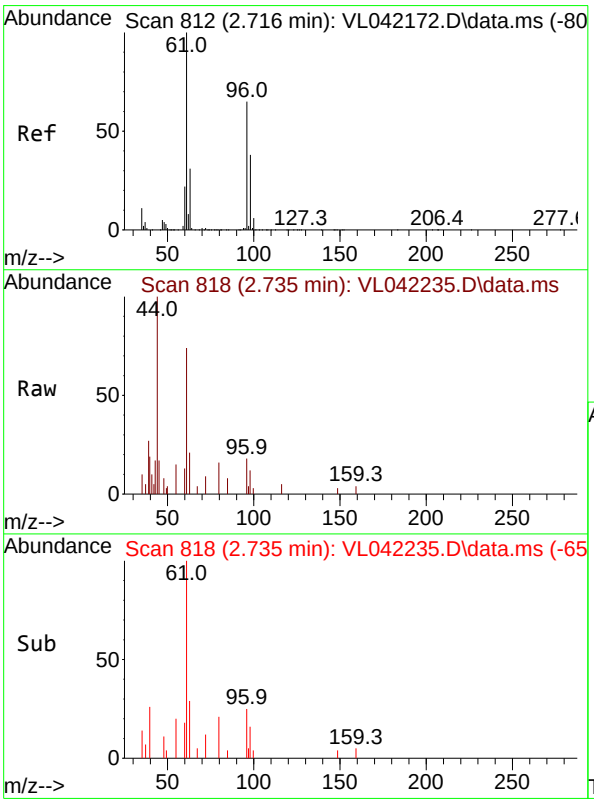
#29
Chloroform
Concen: 123.718 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 83 Resp: 5091112

Ion	Ratio	Lower	Upper
83	100		
85	92.2	51.4	77.2#

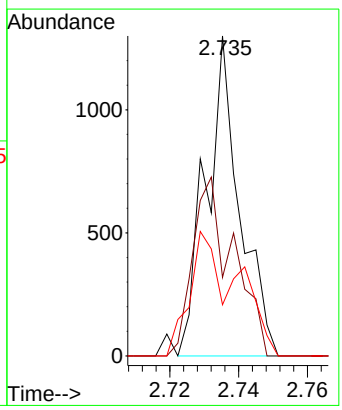


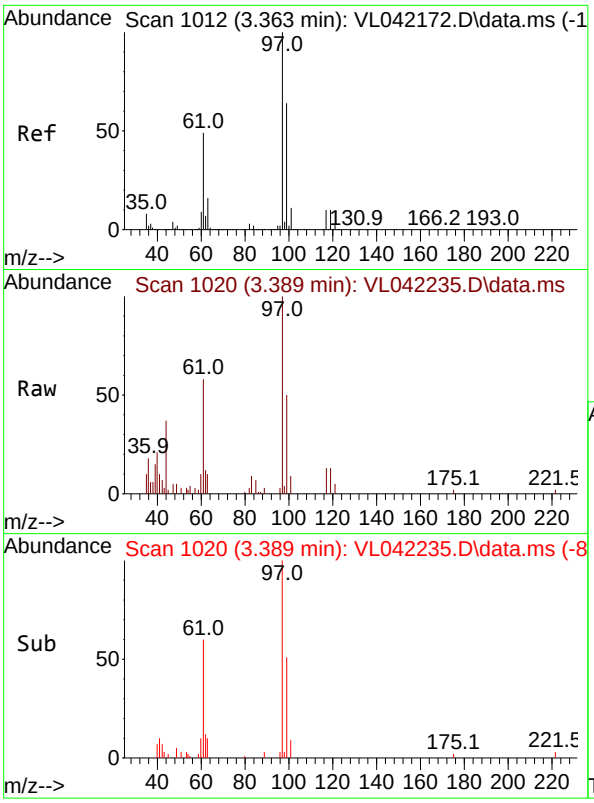


#31
cis-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 2.735 min Scan# 818
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 61 Resp: 886

Ion	Ratio	Lower	Upper
61	100		
96	24.5	51.8	77.8#
98	16.0	30.6	46.0#



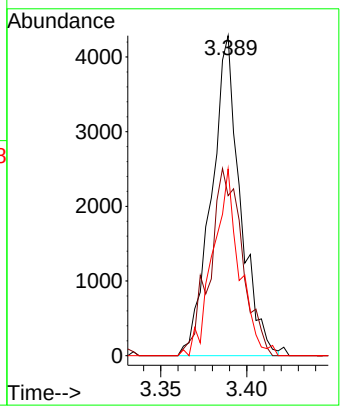


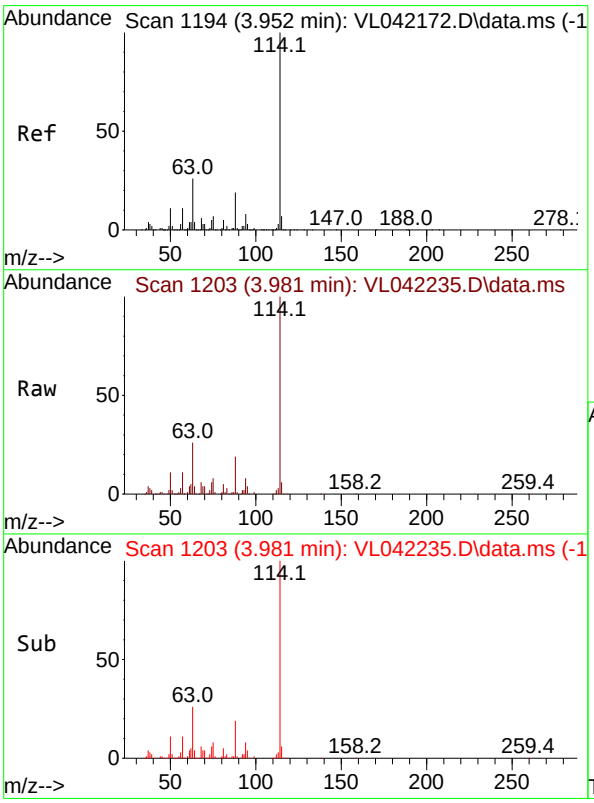
#32
1,1,1-Trichloroethane
Concen: 0.106 ppbv
RT: 3.389 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 97 Resp: 5002

Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.5	77.3
61	53.9	38.7	58.1

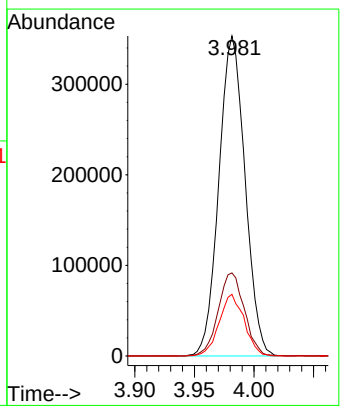


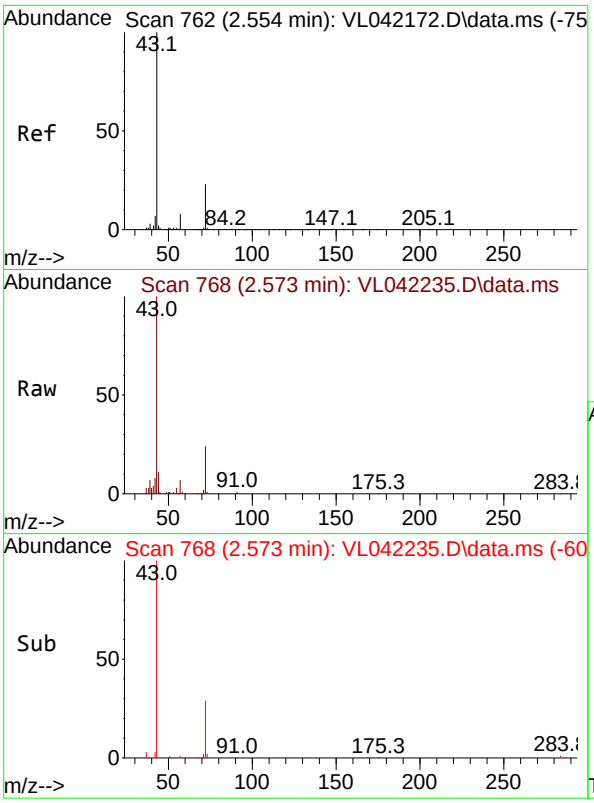


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:114 Resp: 538469

Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	18.4	15.0	22.4



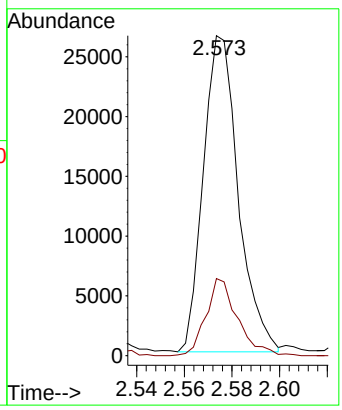


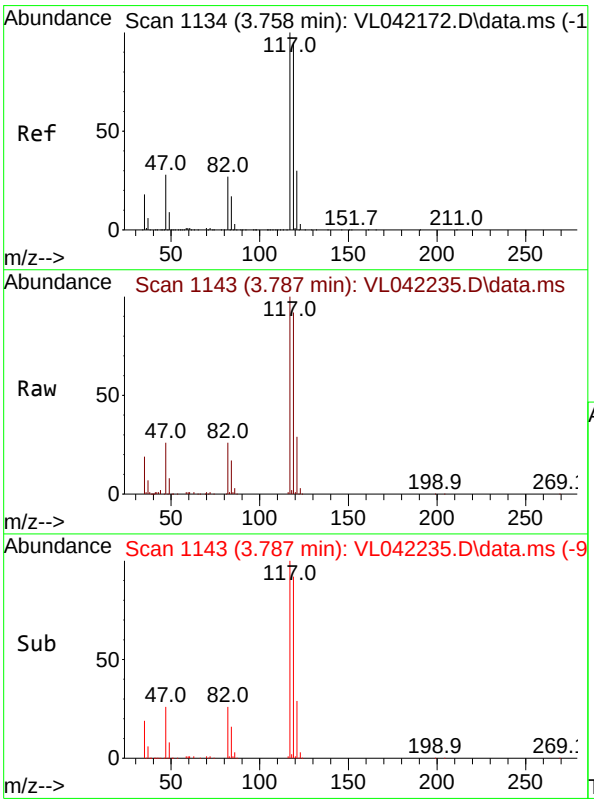
#34
2-Butanone
Concen: 0.690 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 43 Resp: 26940

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2

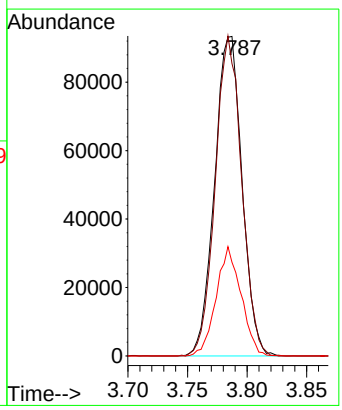


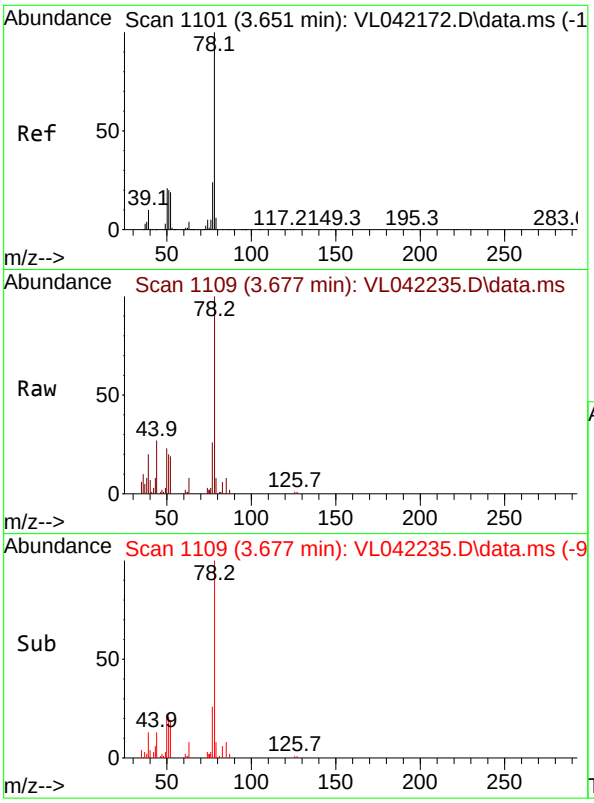


#35
Carbon Tetrachloride
Concen: 3.555 ppbv
RT: 3.787 min Scan# 1143
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:117 Resp: 149549

Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.2	114.2
121	29.3	24.2	36.4



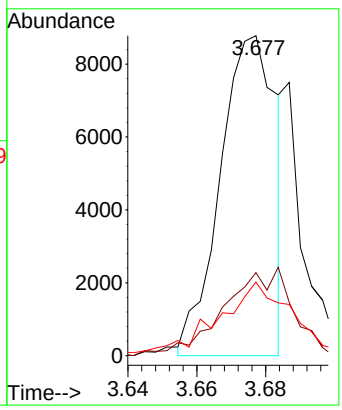


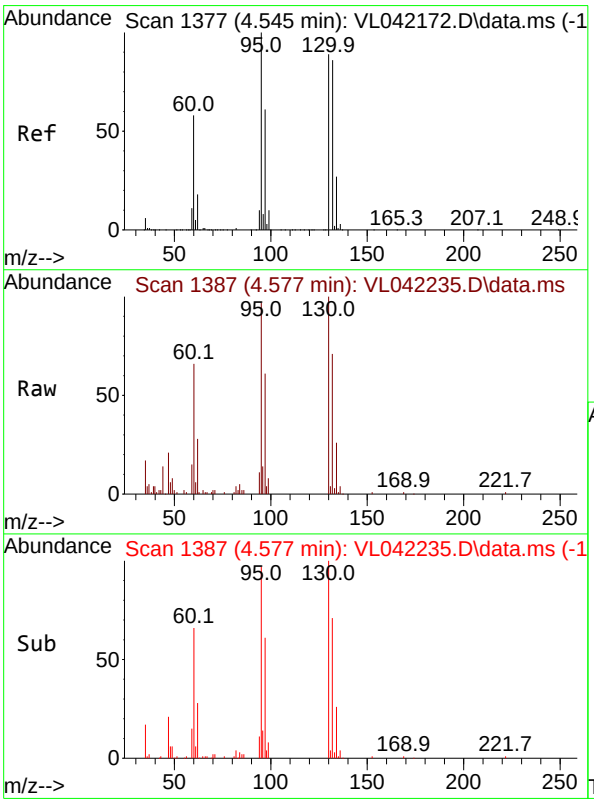
#36
Benzene
Concen: 0.184 ppbv
RT: 3.677 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 78 Resp: 9849

Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7
50	18.8	16.6	24.8

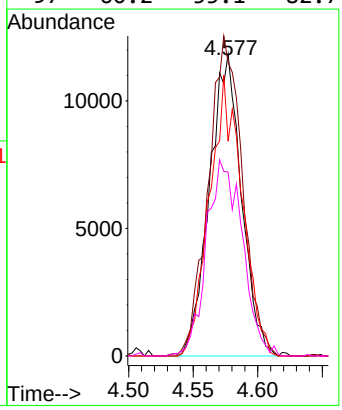


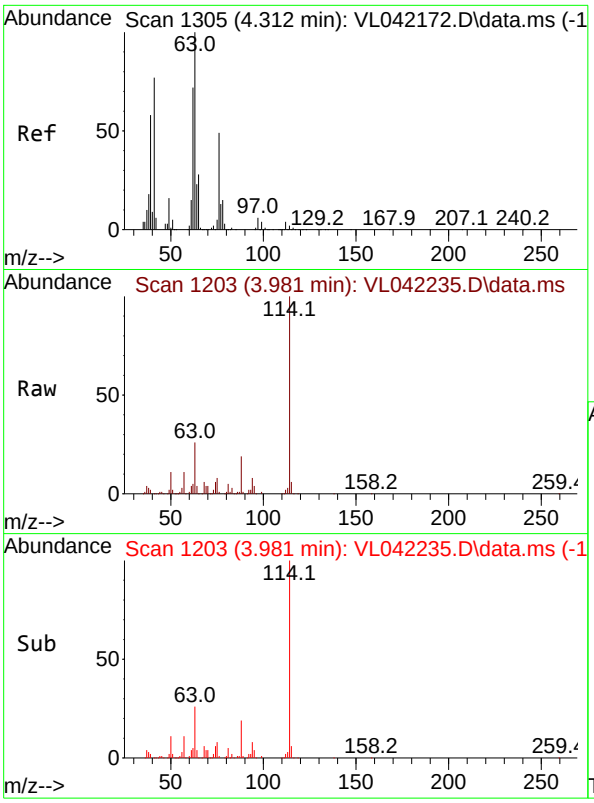


#38
Trichloroethene
Concen: 0.916 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.032 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:130 Resp: 20401

Ion	Ratio	Lower	Upper
130	100		
95	97.2	89.8	134.8
132	71.1	77.4	116.2#
97	60.2	55.1	82.7



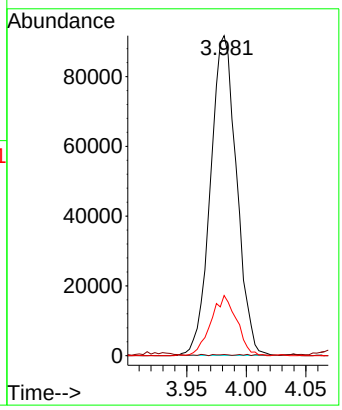


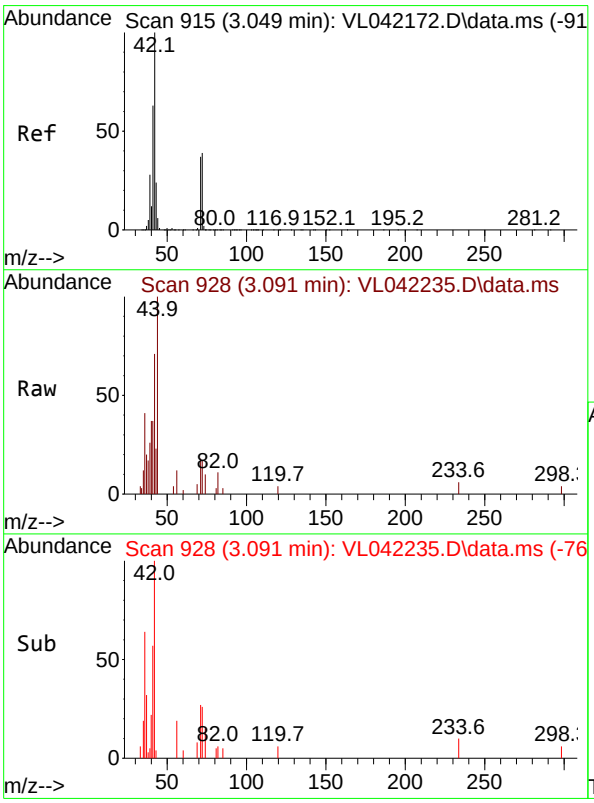
#39
1,2-Dichloropropane
Concen: 7.163 ppbv
RT: 3.981 min Scan# 1
Delta R.T. -0.330 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 63 Resp: 139255

Ion	Ratio	Lower	Upper
63	100		
41	0.3	61.7	92.5#
62	18.6	57.6	86.4#

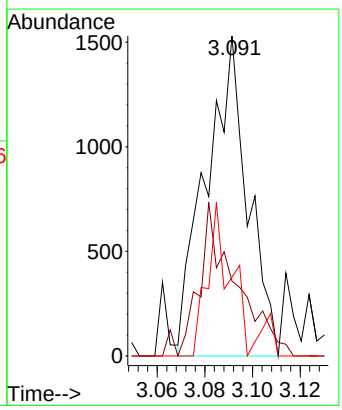


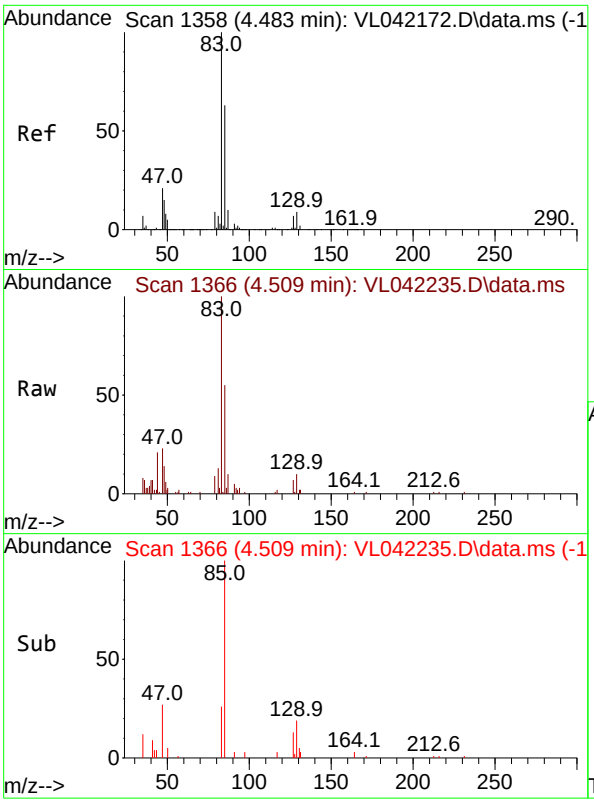


#41
Tetrahydrofuran
Concen: 0.083 ppbv
RT: 3.091 min Scan# 928
Delta R.T. 0.042 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 42 Resp: 1861

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	30.5	30.2	45.4



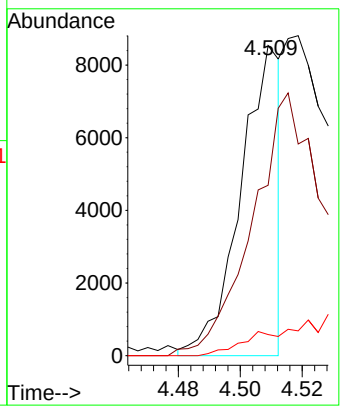


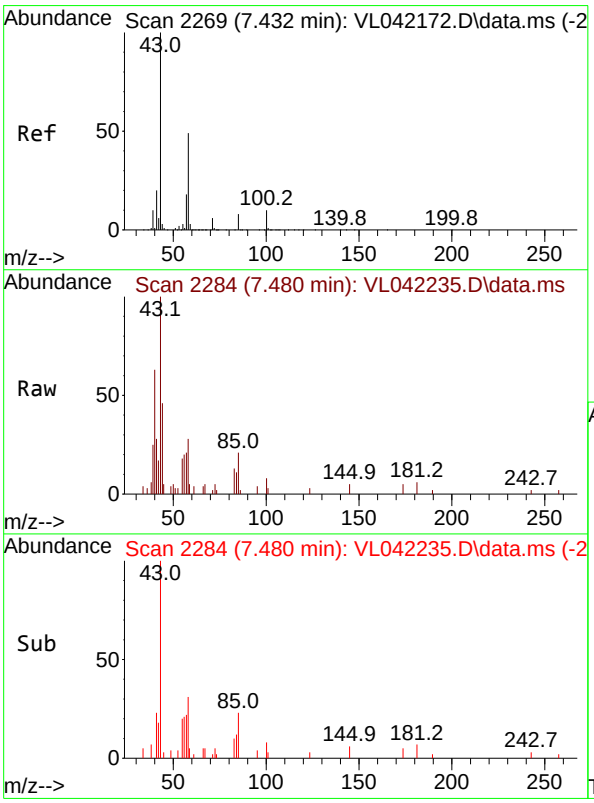
#42
Bromodichloromethane
Concen: 0.181 ppbv
RT: 4.509 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 83 Resp: 7639

Ion	Ratio	Lower	Upper
83	100		
85	53.8	50.5	75.7
127	7.0	5.9	8.9

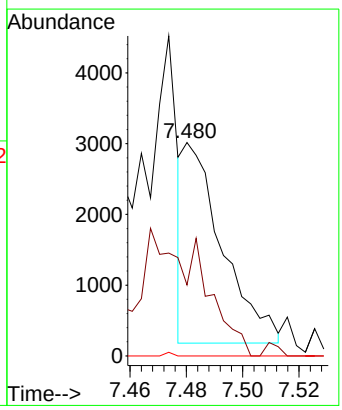


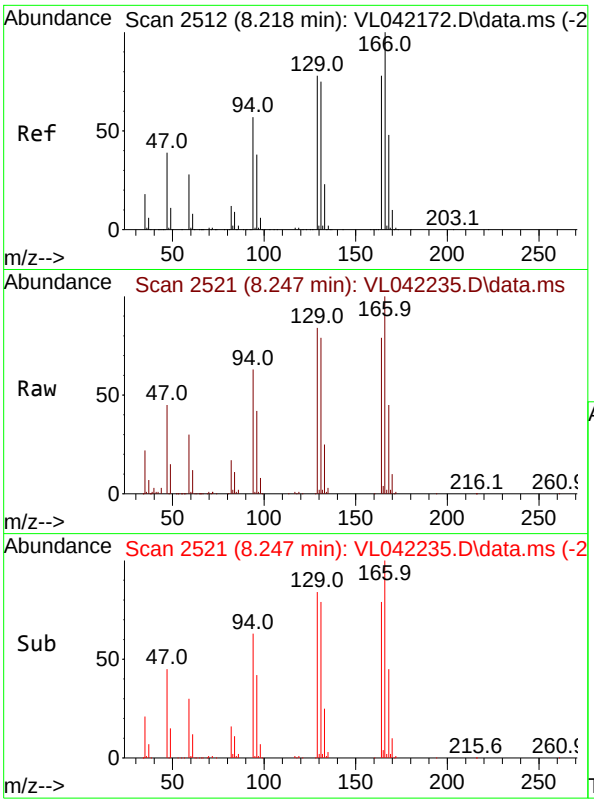


#51
2-Hexanone
Concen: 0.053 ppbv
RT: 7.480 min Scan# 2284
Delta R.T. 0.048 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 43 Resp: 2701

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.7	59.5#
98	0.0	0.1	0.1#



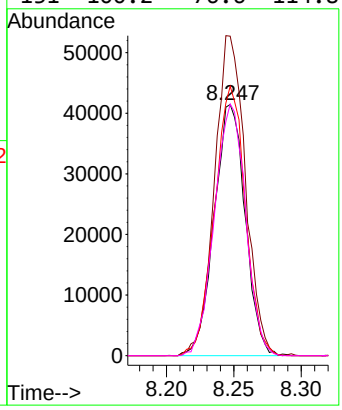


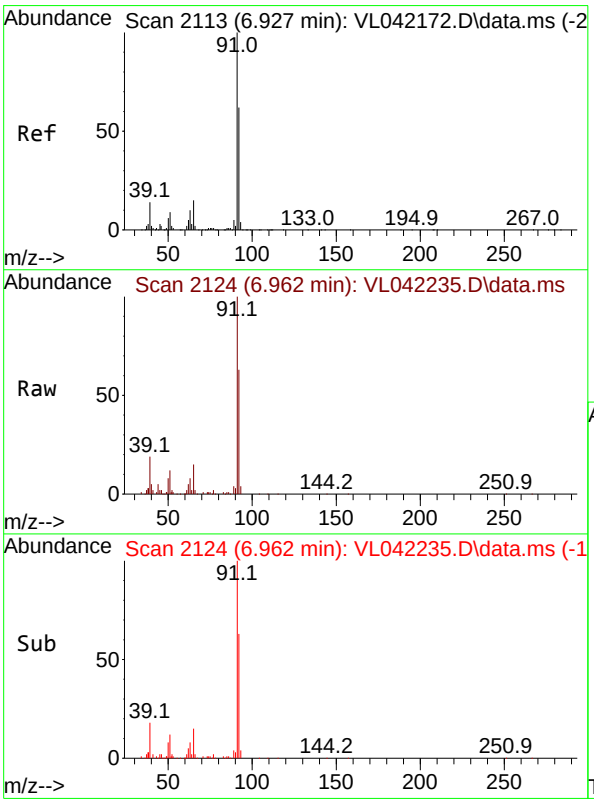
#52
Tetrachloroethene
Concen: 3.128 ppbv
RT: 8.247 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion:164 Resp: 66227

Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.5	153.7
129	107.3	79.8	119.8
131	100.2	76.6	114.8

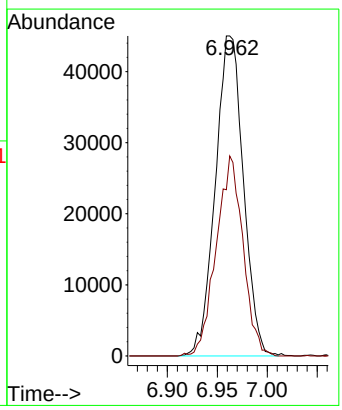


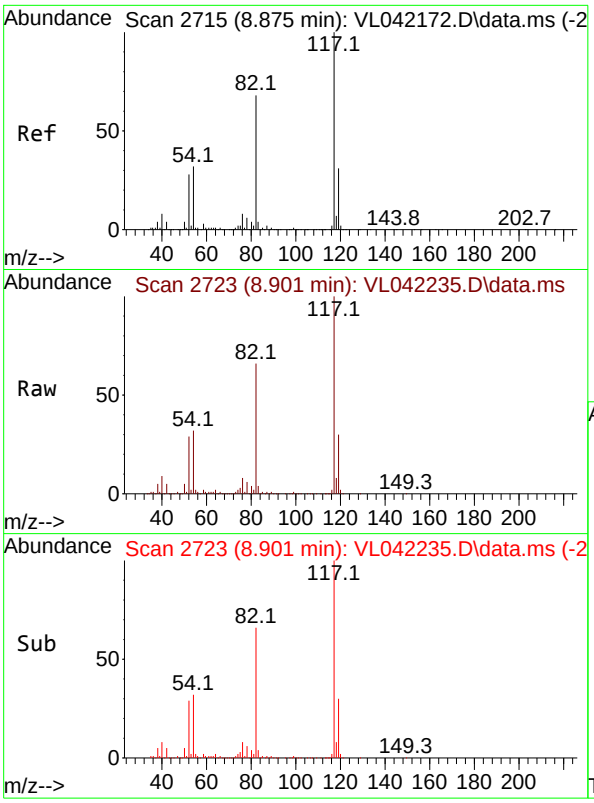


#53
Toluene
Concen: 1.391 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.035 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 91 Resp: 88021

Ion	Ratio	Lower	Upper
91	100		
92	59.6	48.4	72.6



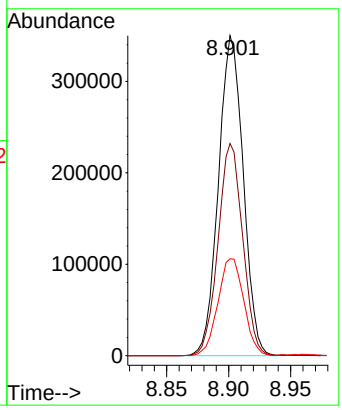


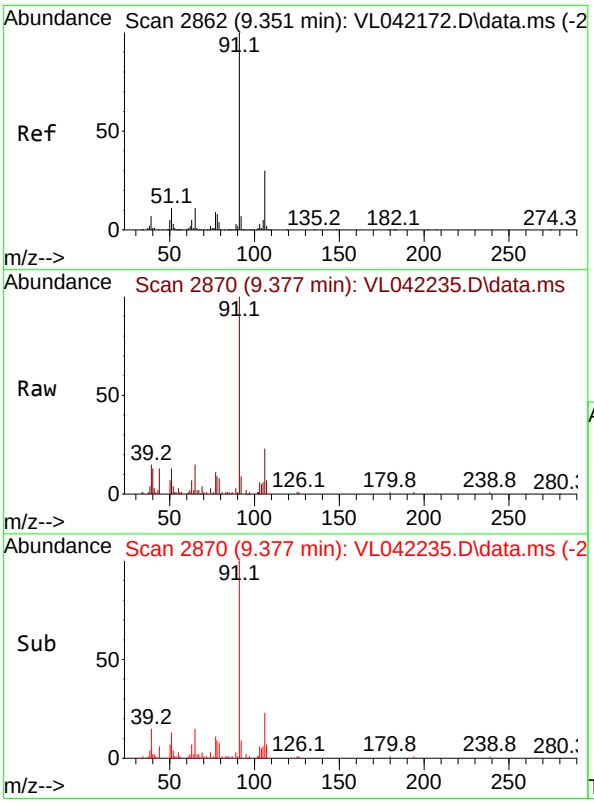
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion:117 Resp: 487966

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.7	25.5	38.3

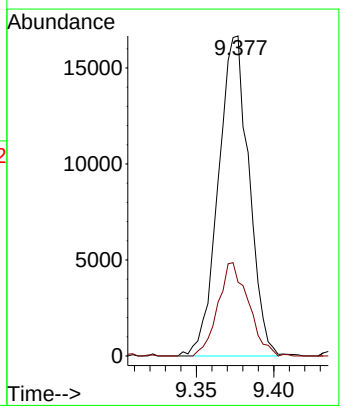


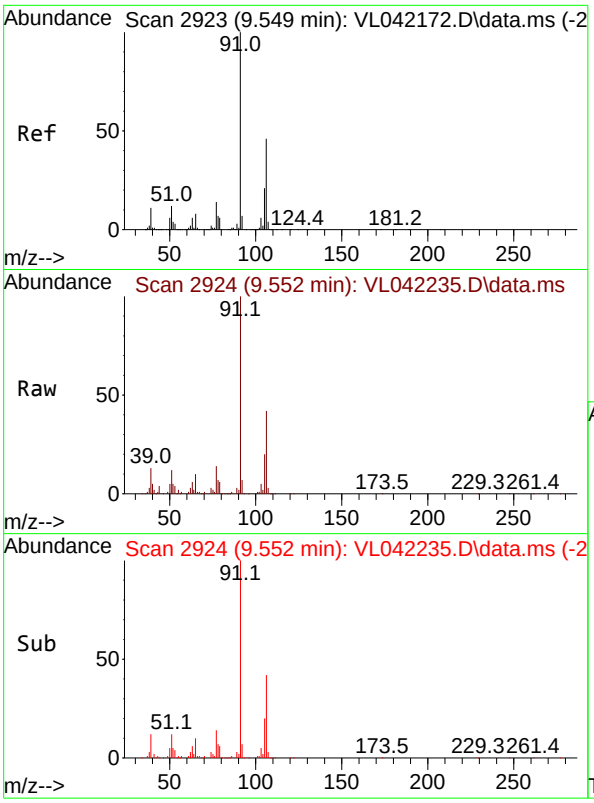


#58
Ethyl Benzene
Concen: 0.265 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 91 Resp: 22956

Ion	Ratio	Lower	Upper
91	100		
106	23.1	24.2	36.2#



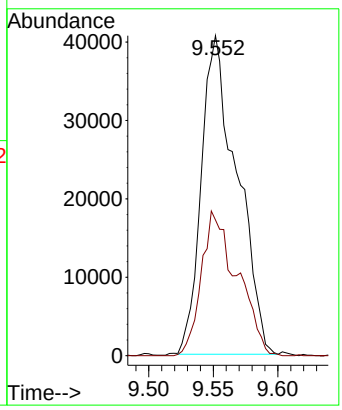


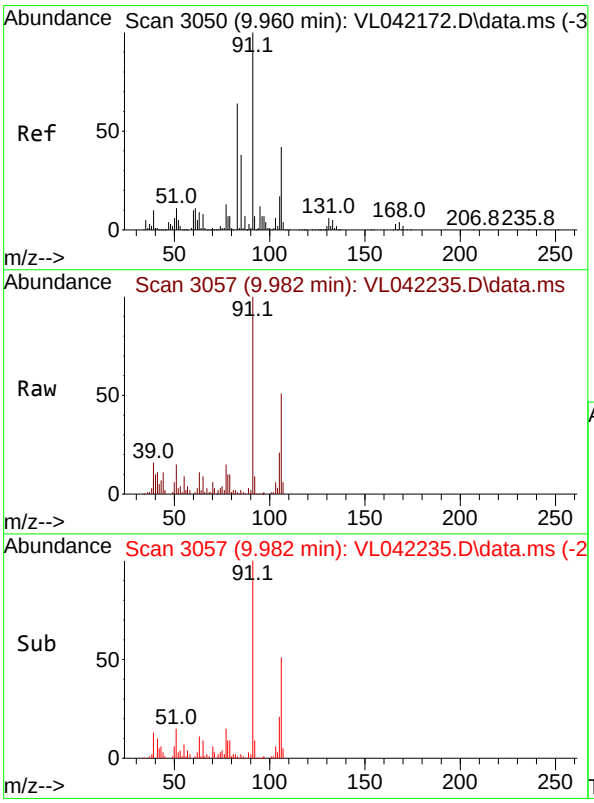
#59
m/p-Xylene
Concen: 1.131 ppbv
RT: 9.552 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 91 Resp: 78245

Ion	Ratio	Lower	Upper
91	100		
106	45.6	36.4	54.6

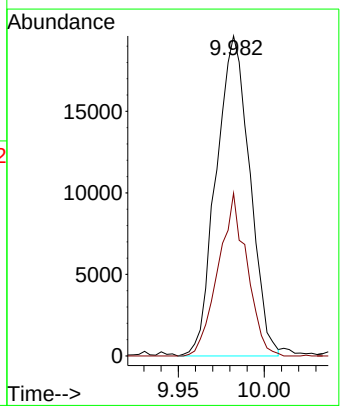


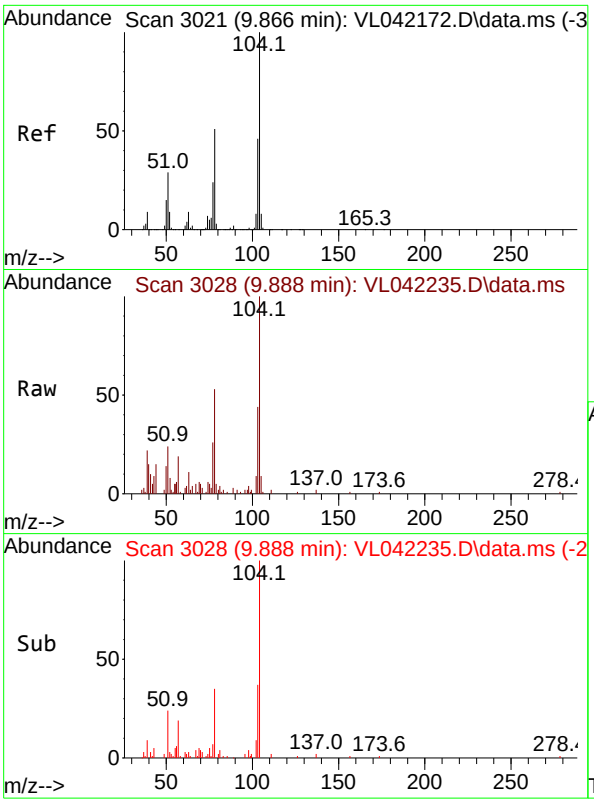


#60
o-Xylene
Concen: 0.385 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 91 Resp: 26678

Ion	Ratio	Lower	Upper
91	100		
106	43.4	20.8	62.5



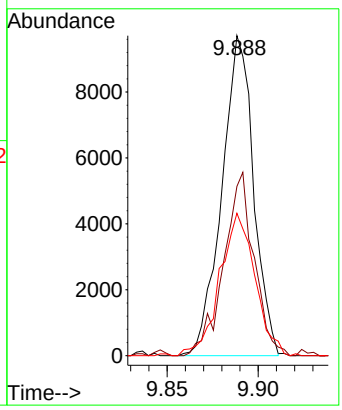


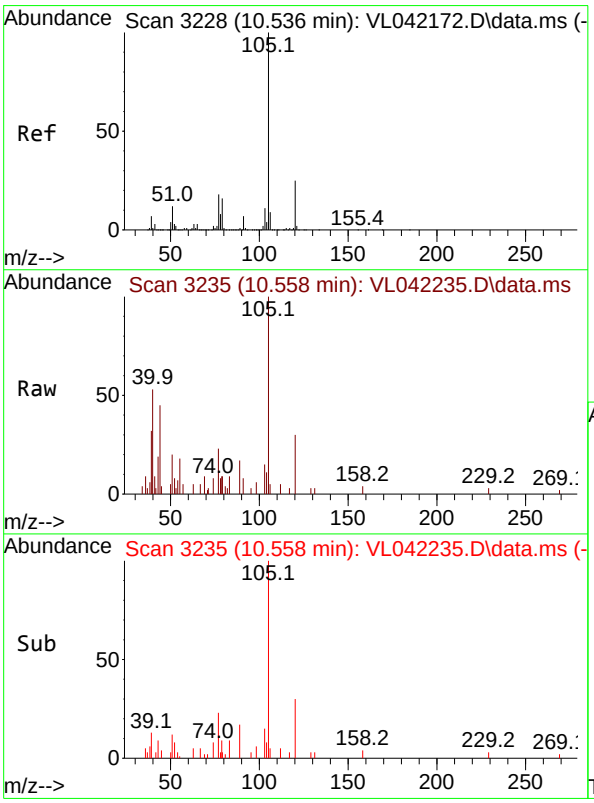
#61
Styrene
Concen: 0.344 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion:104 Resp: 11796

Ion	Ratio	Lower	Upper
104	100		
78	55.6	41.8	62.6
103	49.4	37.0	55.4

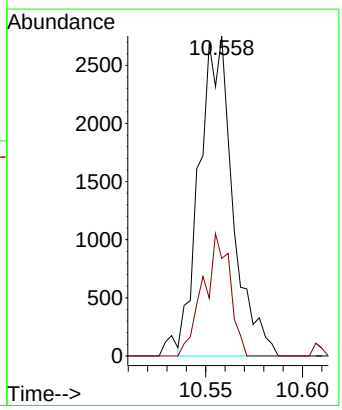


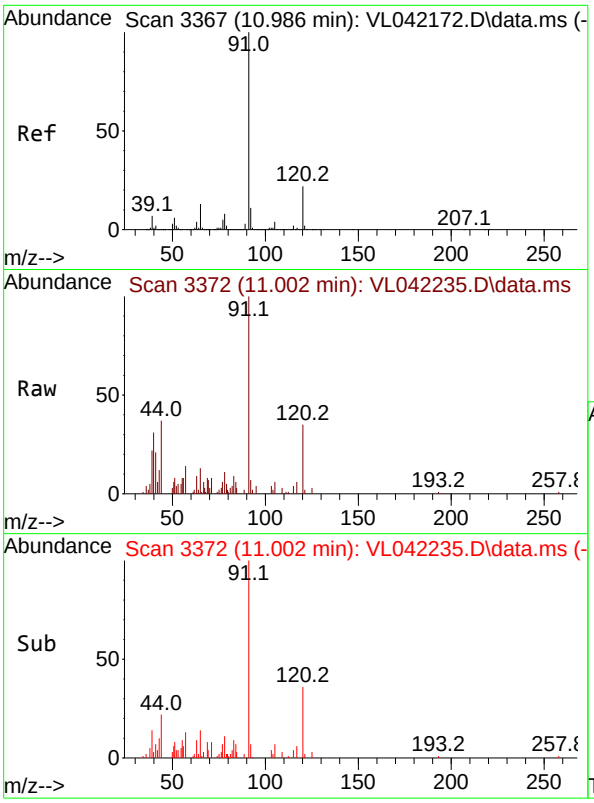


#62
Isopropylbenzene
Concen: 0.032 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:105 Resp: 3298

Ion	Ratio	Lower	Upper
105	100		
120	30.4	19.9	29.9#



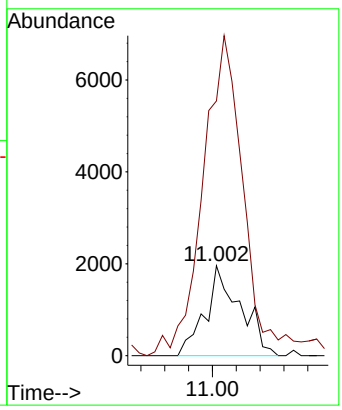


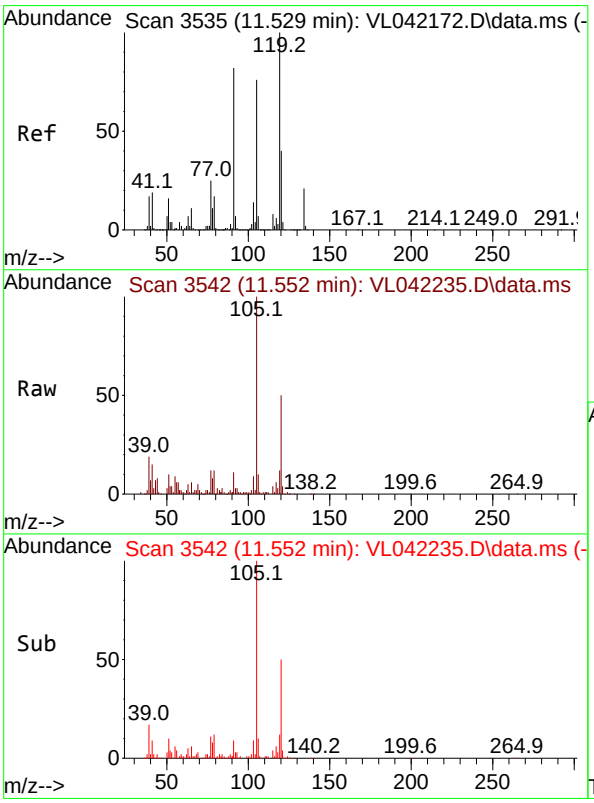
#64
n-propylbenzene
Concen: 0.075 ppbv
RT: 11.002 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion:120 Resp: 1995

Ion	Ratio	Lower	Upper
120	100		
91	445.5	376.9	565.3

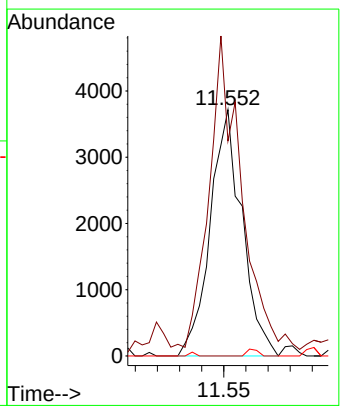


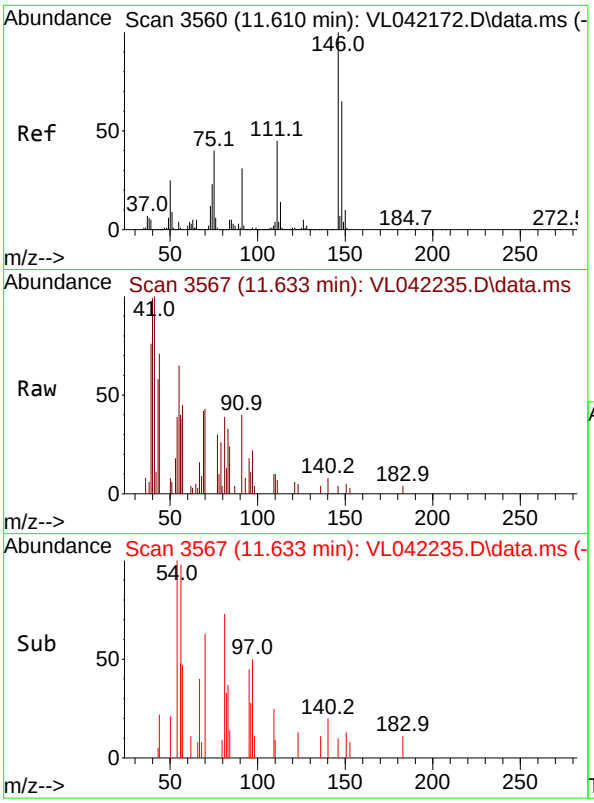


#65
tert-Butylbenzene
Concen: 0.039 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:119 Resp: 3723

Ion	Ratio	Lower	Upper
119	100		
91	138.4	66.0	99.0#
134	0.0	16.7	25.1#



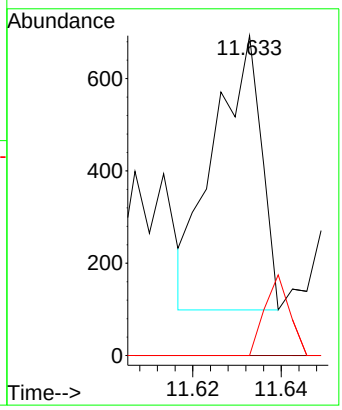


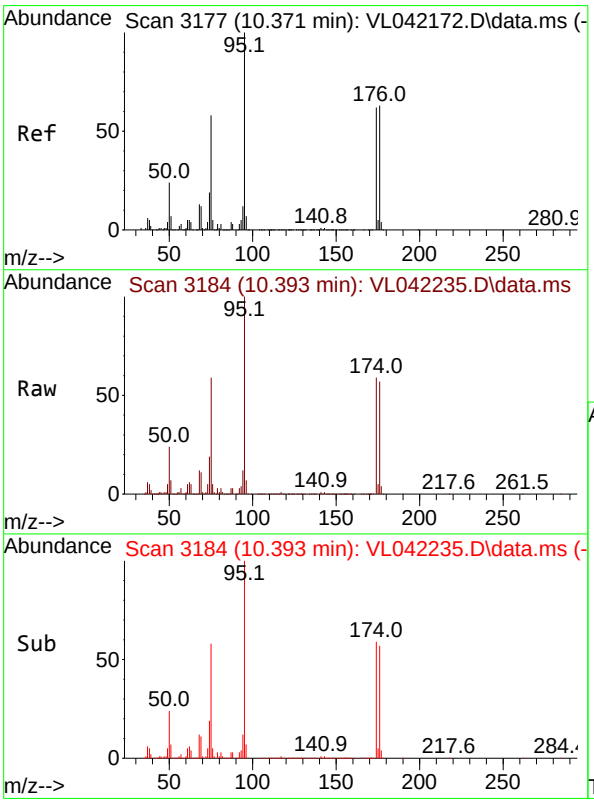
#66
Benzyl Chloride
Concen: 0.043 ppbv
RT: 11.633 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion: 91 Resp: 441

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.6#
128	15.4	4.5	6.7#

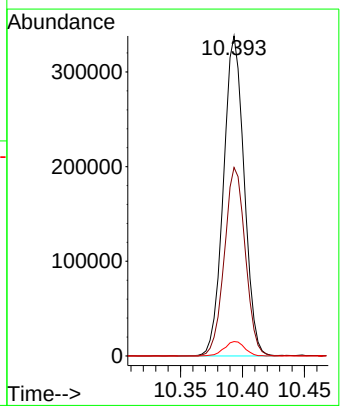


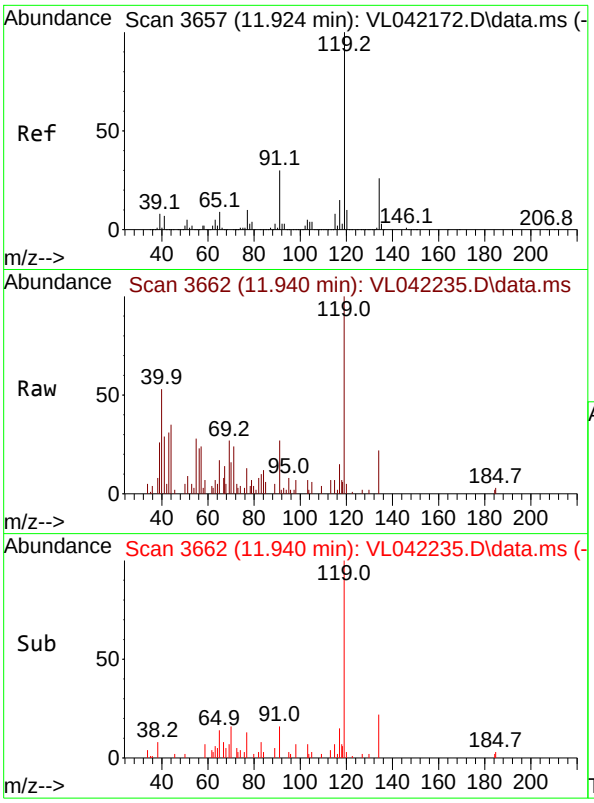


#68
1-Bromo-4-Fluorobenzene
Concen: 9.805 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion: 95 Resp: 392922

Ion	Ratio	Lower	Upper
95	100		
174	59.8	50.6	76.0
175	4.5	3.8	5.6



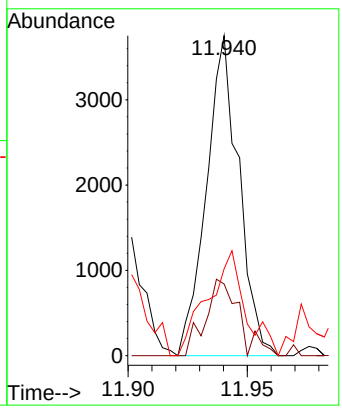


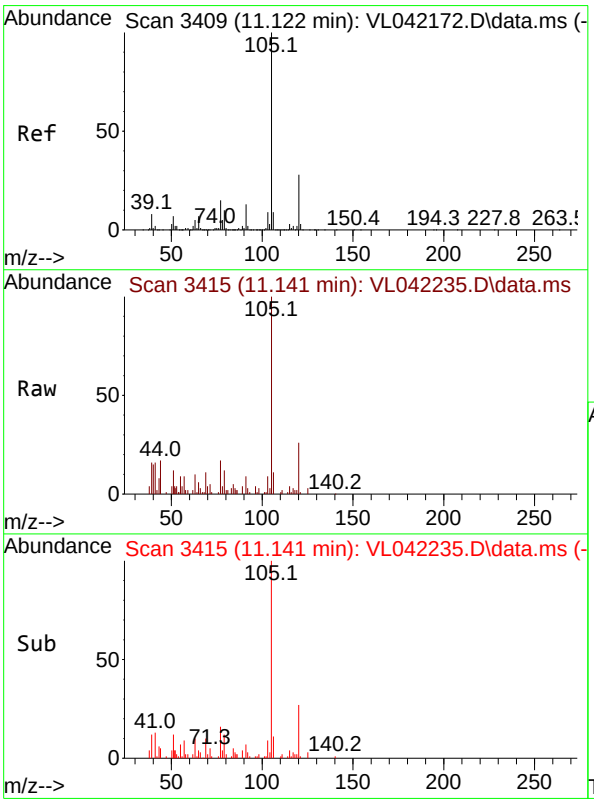
#69
p-Isopropyltoluene
Concen: 0.031 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion:119 Resp: 3553

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.4	30.6
91	37.1	23.7	35.5#

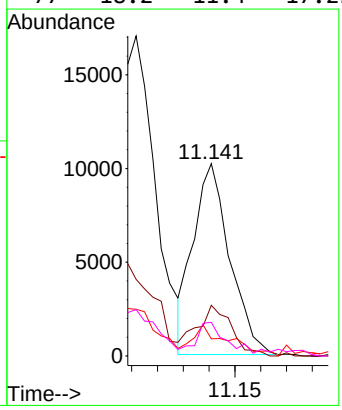


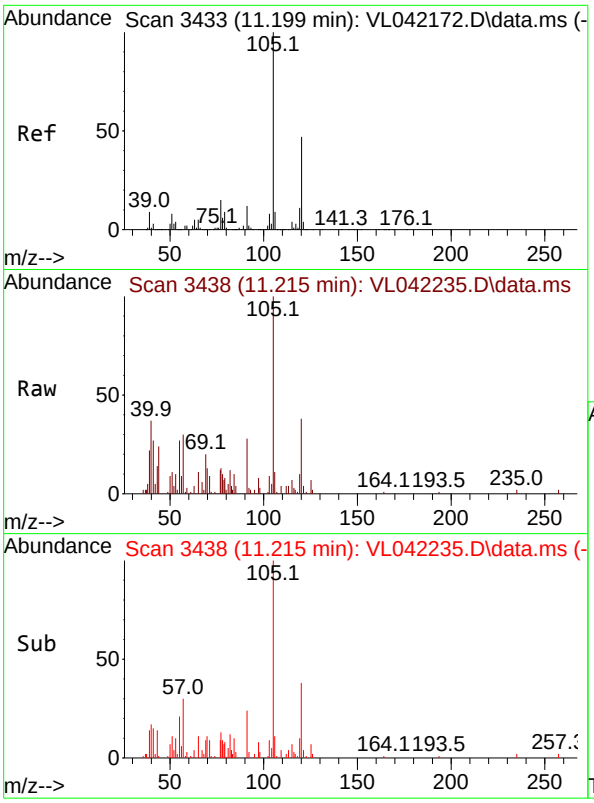


#72
4-Ethyltoluene
Concen: 0.116 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:105 Resp: 10060

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	15.9	10.3	15.5#
77	18.2	11.4	17.2#



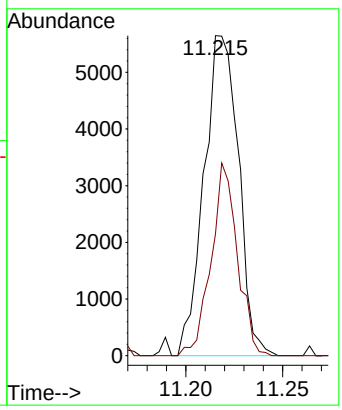


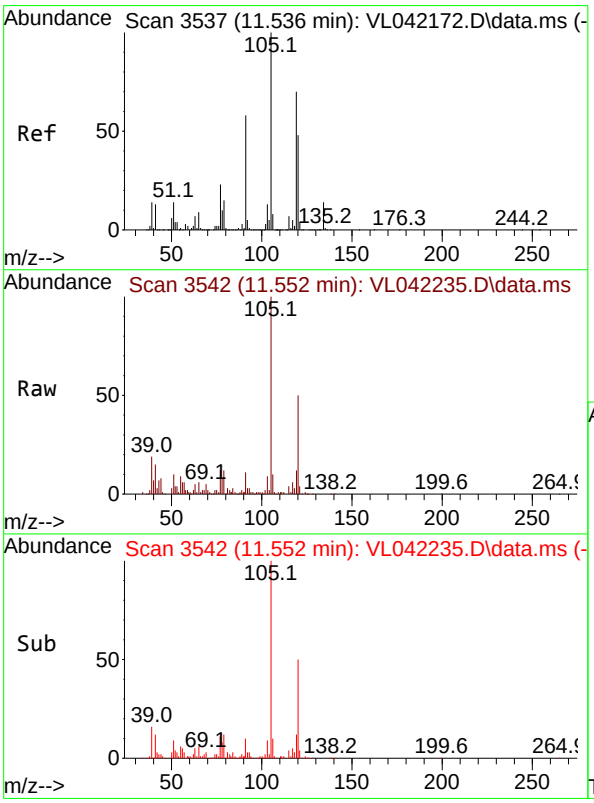
#73
1,3,5-Trimethylbenzene
Concen: 0.093 ppbv
RT: 11.215 min Scan# 34
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025

Tgt Ion:105 Resp: 7009

Ion	Ratio	Lower	Upper
105	100		
120	38.0	37.4	56.0

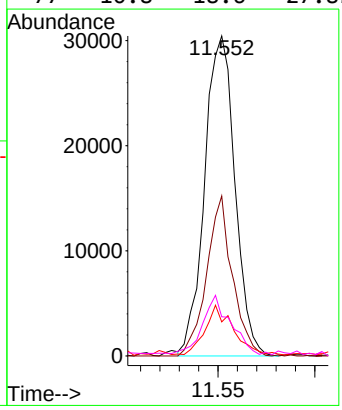




#74
1,2,4-Trimethylbenzene
Concen: 0.381 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042235.D
Acq: 07 Apr 2025 14:51

Tgt Ion:105 Resp: 33126

Ion	Ratio	Lower	Upper
105	100		
120	50.0	38.6	58.0
91	10.1	46.2	69.2#
77	10.8	18.6	27.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042236.D
Acq On : 07 Apr 2025 17:44
Operator : SY/MD
Sample : Q1725-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Quant Time: Apr 08 01:33:17 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

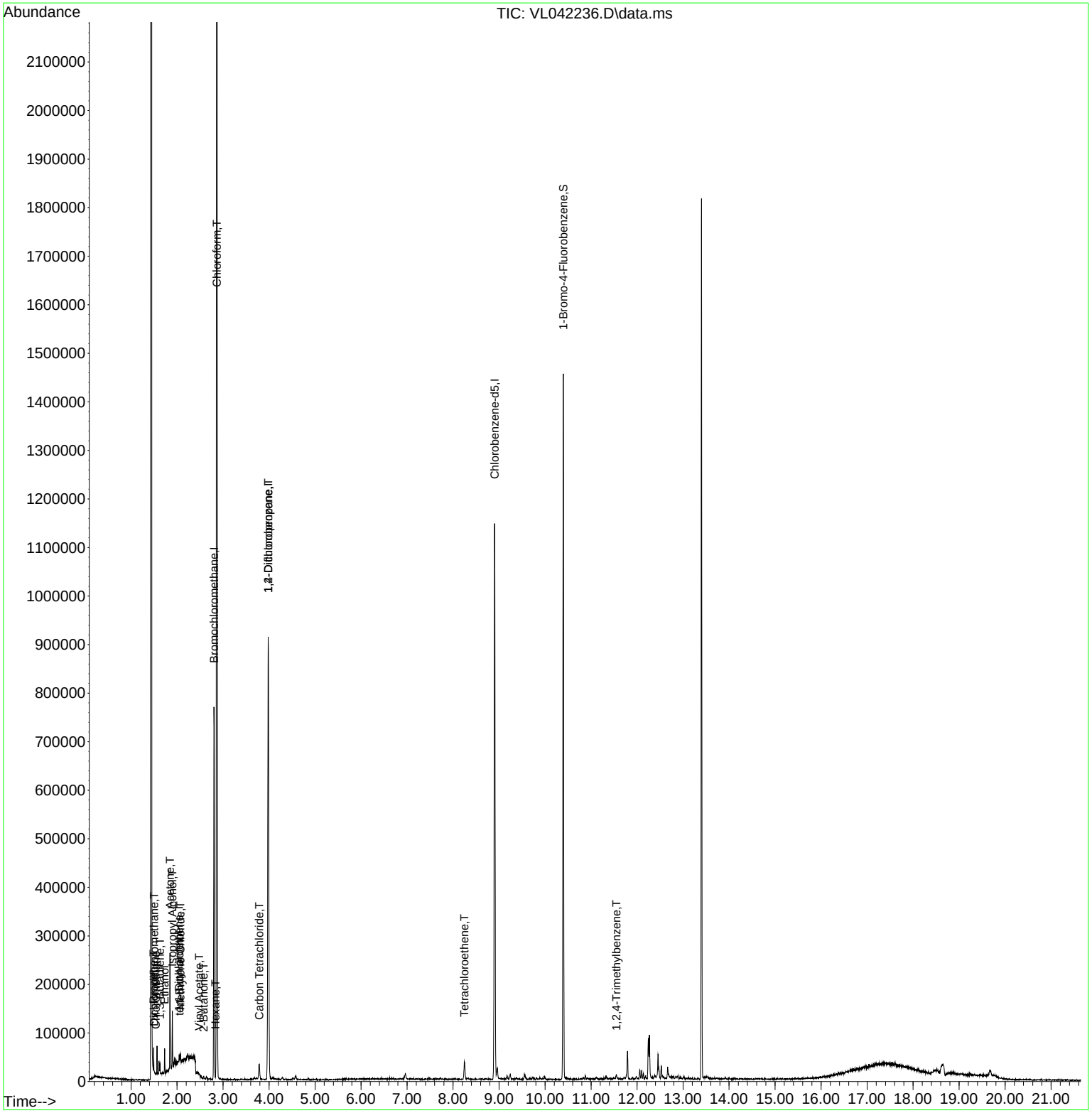
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	203982	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	532301	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	458285	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	357544	9.500	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	1489	0.049	ppbv #	80
4) Chloromethane	1.538	50	400	0.032	ppbv #	61
9) Propene	1.492	41	3786	0.268	ppbv	89
13) Ethanol	1.729	45	17823	13.369	ppbv #	27
15) Acetone	1.845	43	96697	3.390	ppbv	94
16) 1,3-Butadiene	1.628	39	2198	0.158	ppbv #	11
17) tert-Butyl alcohol	2.055	59	1997	0.056	ppbv #	67
18) 1,1-Dichloroethene	2.042	96	1841	0.163	ppbv	99
19) Isopropyl Alcohol	1.897	45	46008	2.858	ppbv	88
20) Methylene Chloride	2.072	84	2207	0.208	ppbv	94
23) Vinyl Acetate	2.483	43	632	0.051	ppbv #	81
26) Hexane	2.839	57	1499	0.052	ppbv #	1
29) Chloroform	2.865	83	1667671	39.844	ppbv	93
34) 2-Butanone	2.577	43	3813	0.099	ppbv	96
35) Carbon Tetrachloride	3.787	117	8468	0.204	ppbv	97
39) 1,2-Dichloropropane	3.981	63	135654	7.059	ppbv #	23
52) Tetrachloroethene	8.244	164	3651	0.174	ppbv	85
74) 1,2,4-Trimethylbenzene	11.549	105	2806	0.034	ppbv #	65

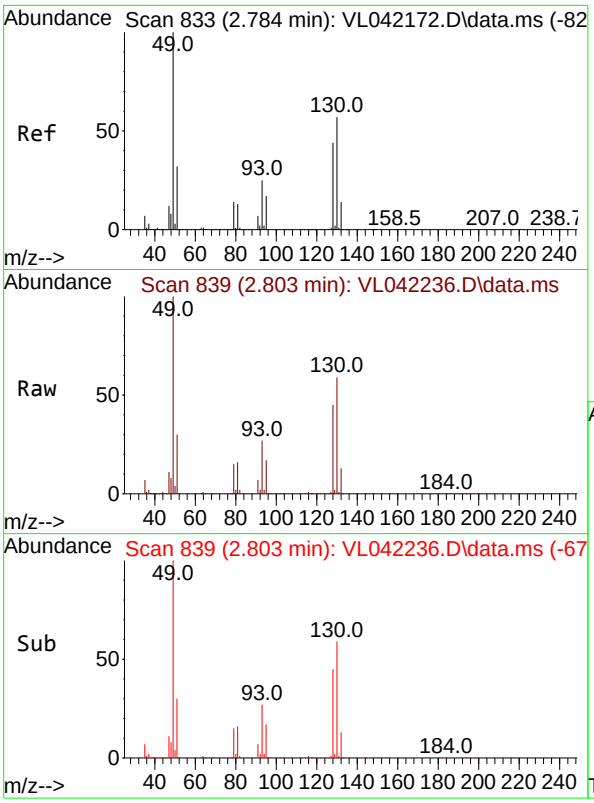
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042236.D
Acq On : 07 Apr 2025 17:44
Operator : SY/MD
Sample : Q1725-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Quant Time: Apr 08 01:33:17 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



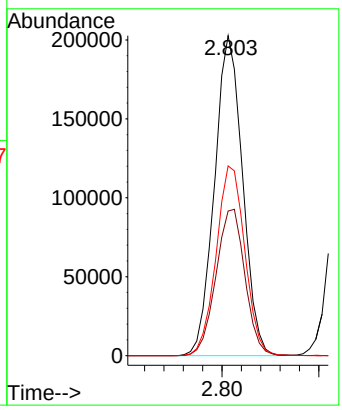


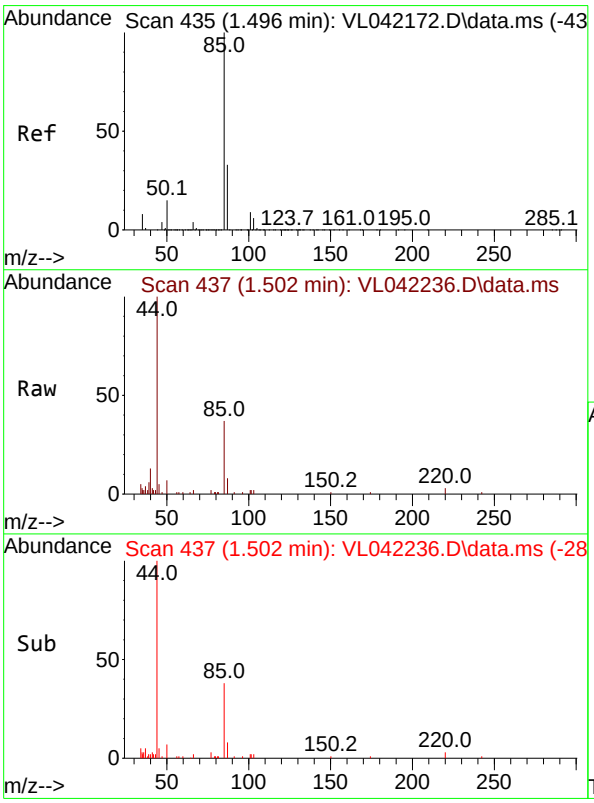
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 49 Resp: 203982

Ion	Ratio	Lower	Upper
49	100		
128	47.3	22.9	68.5
130	60.7	28.8	86.4

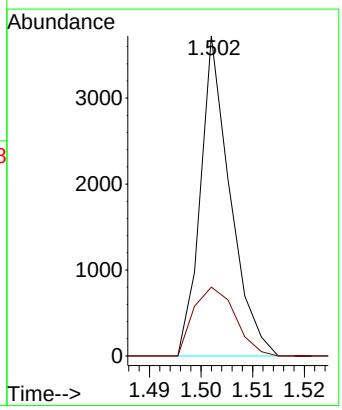


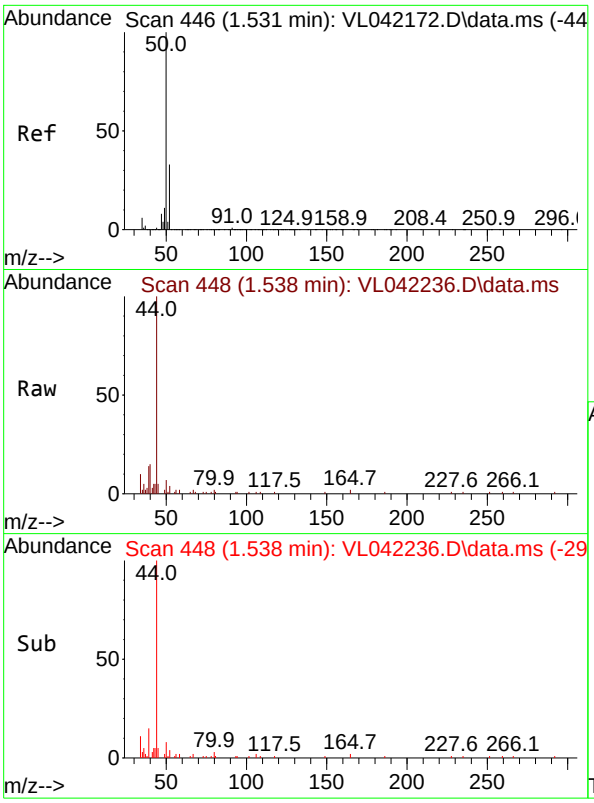


#2
Dichlorodifluoromethane
Concen: 0.049 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 85 Resp: 1489

Ion	Ratio	Lower	Upper
85	100		
87	21.5	26.1	39.1#



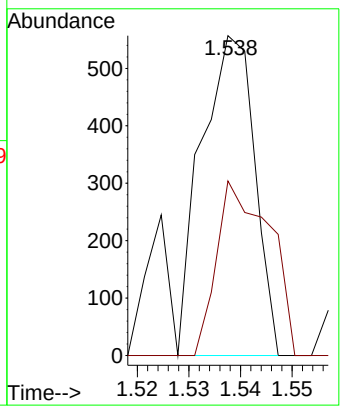


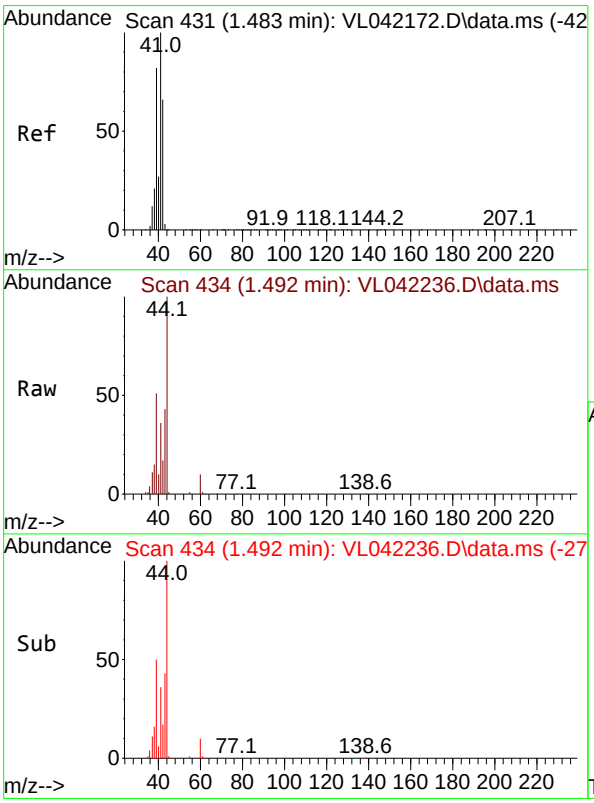
#4
Chloromethane
Concen: 0.032 ppbv
RT: 1.538 min Scan# 44
Delta R.T. 0.006 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 50 Resp: 400

Ion	Ratio	Lower	Upper
50	100		
52	54.6	26.1	39.1#

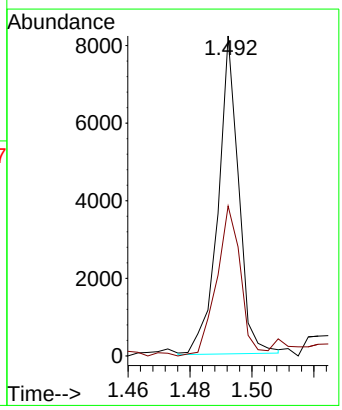


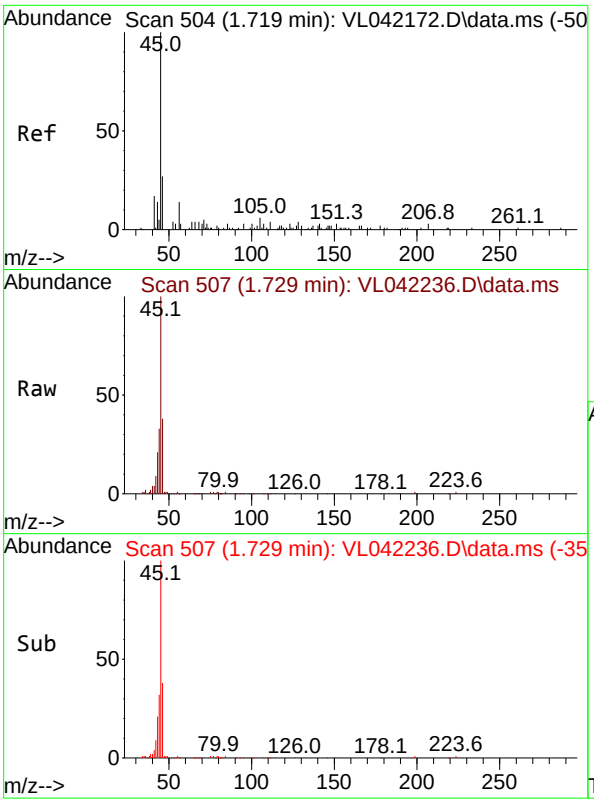


#9
Propene
Concen: 0.268 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.009 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 41 Resp: 3786

Ion	Ratio	Lower	Upper
41	100		
42	60.4	55.4	83.2



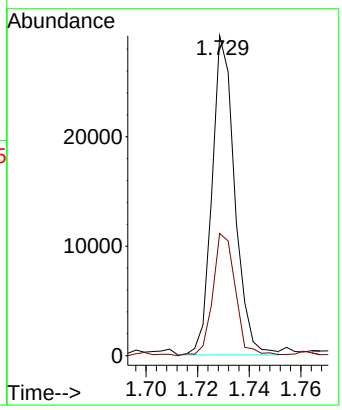


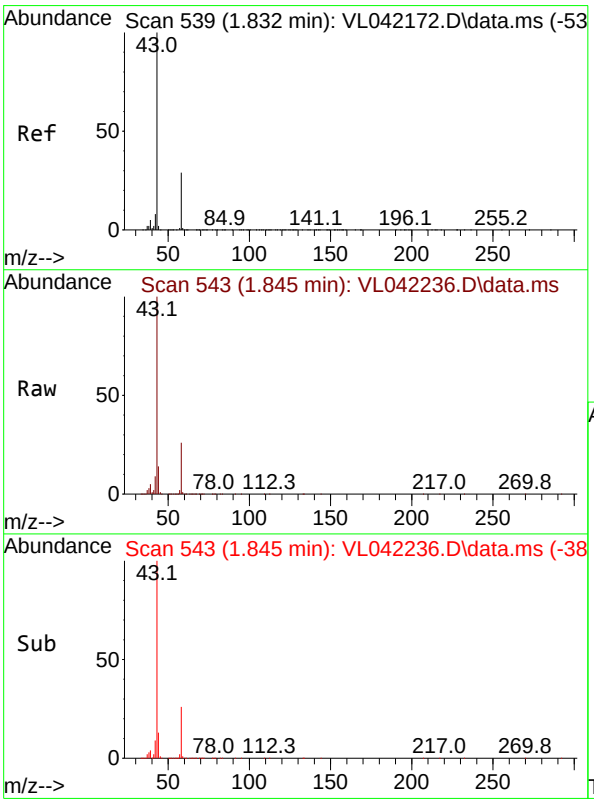
#13
Ethanol
Concen: 13.369 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 45 Resp: 17823

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#

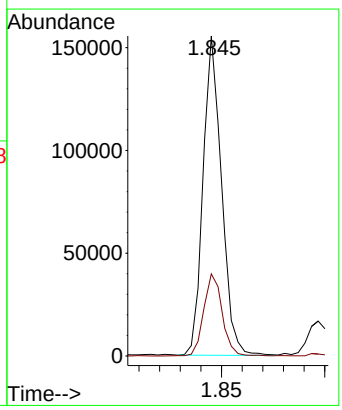


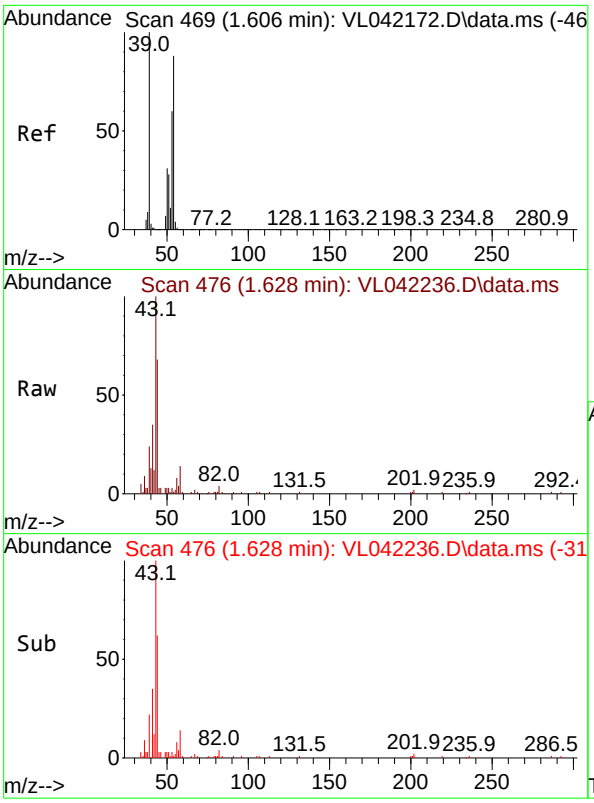


#15
Acetone
Concen: 3.390 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 43 Resp: 96697

Ion	Ratio	Lower	Upper
43	100		
58	25.7	23.2	34.8



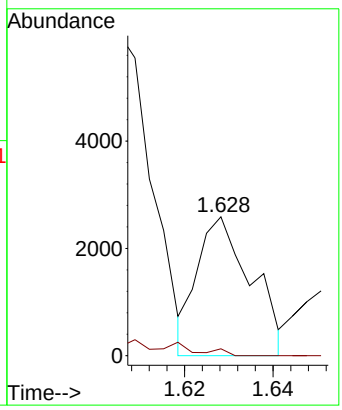


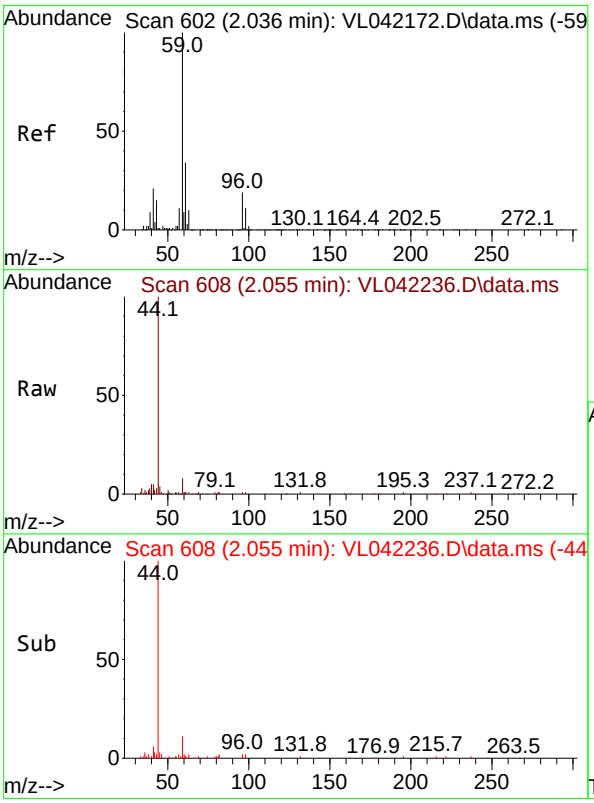
#16
1,3-Butadiene
Concen: 0.158 ppbv
RT: 1.628 min Scan# 4
Delta R.T. 0.022 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 39 Resp: 2198

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.7	91.1#

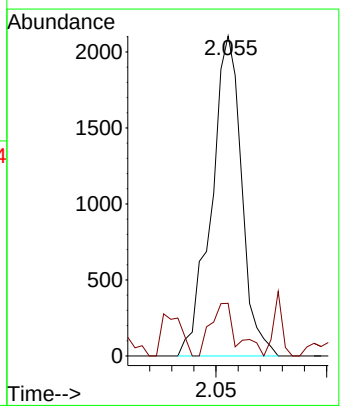


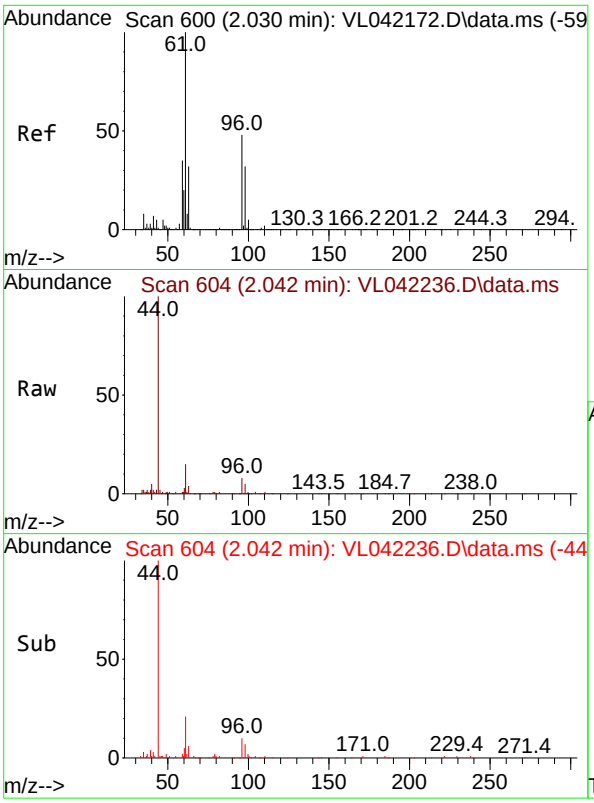


#17
tert-Butyl alcohol
Concen: 0.056 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.019 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 59 Resp: 1997

Ion	Ratio	Lower	Upper
59	100		
57	23.6	8.9	13.3#



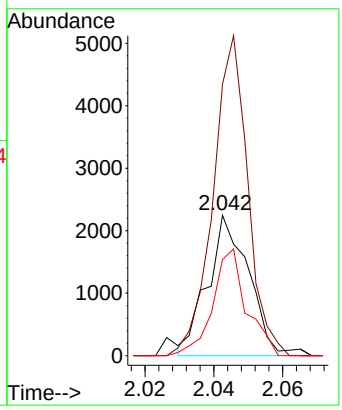


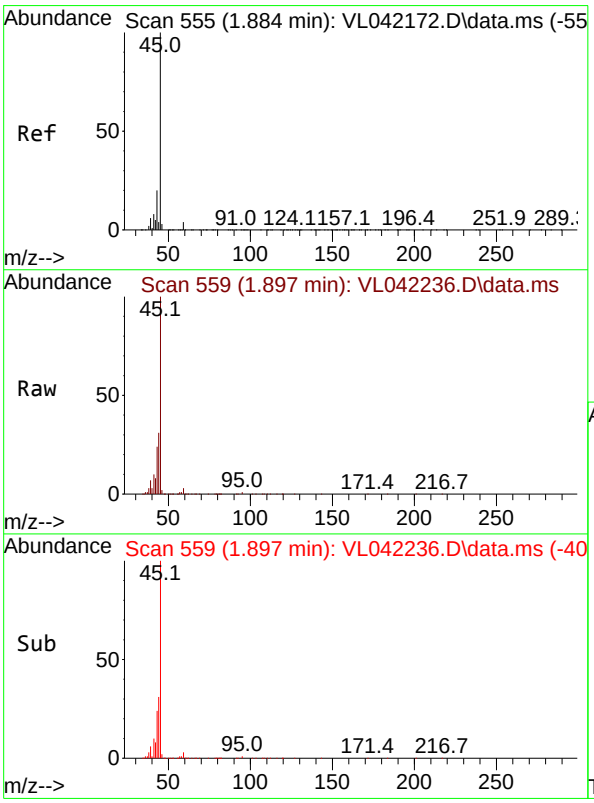
#18
1,1-Dichloroethene
Concen: 0.163 ppbv
RT: 2.042 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 96 Resp: 1841

Ion	Ratio	Lower	Upper
96	100		
61	209.1	167.6	251.4
98	70.8	53.5	80.3

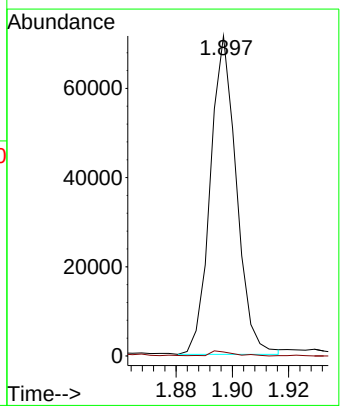


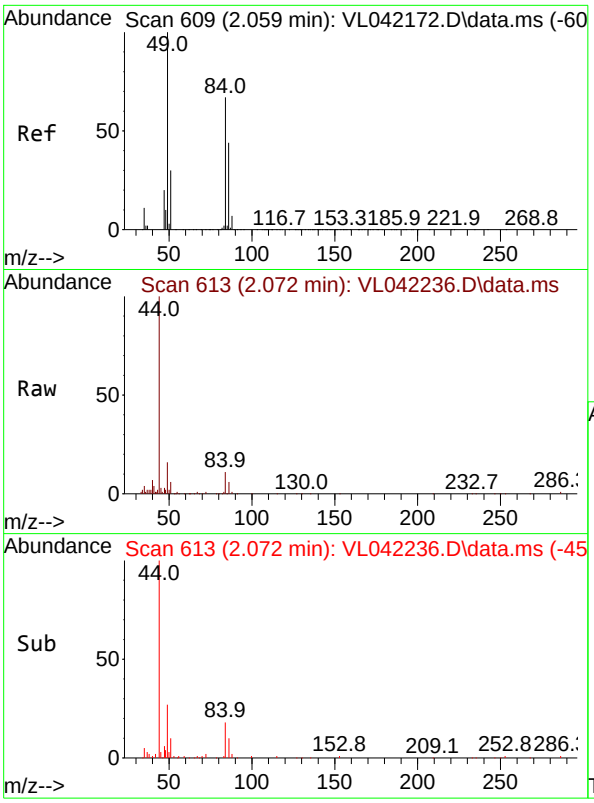


#19
Isopropyl Alcohol
Concen: 2.858 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 45 Resp: 46008

Ion	Ratio	Lower	Upper
45	100		
58	54.2	36.9	55.3



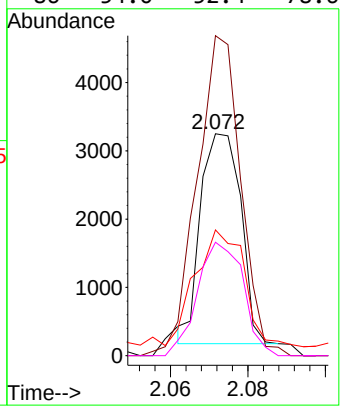


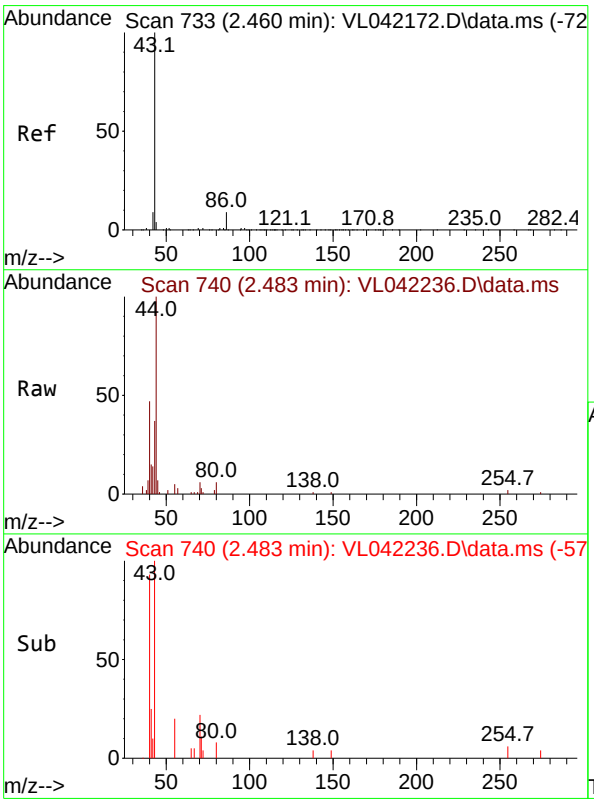
#20
Methylene Chloride
Concen: 0.208 ppbv
RT: 2.072 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 84 Resp: 2207

Ion	Ratio	Lower	Upper
84	100		
49	148.4	120.2	180.4
51	53.0	37.4	56.0
86	54.0	52.4	78.6

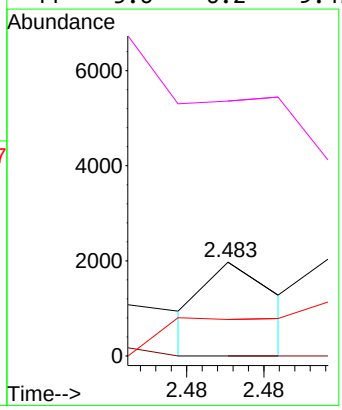


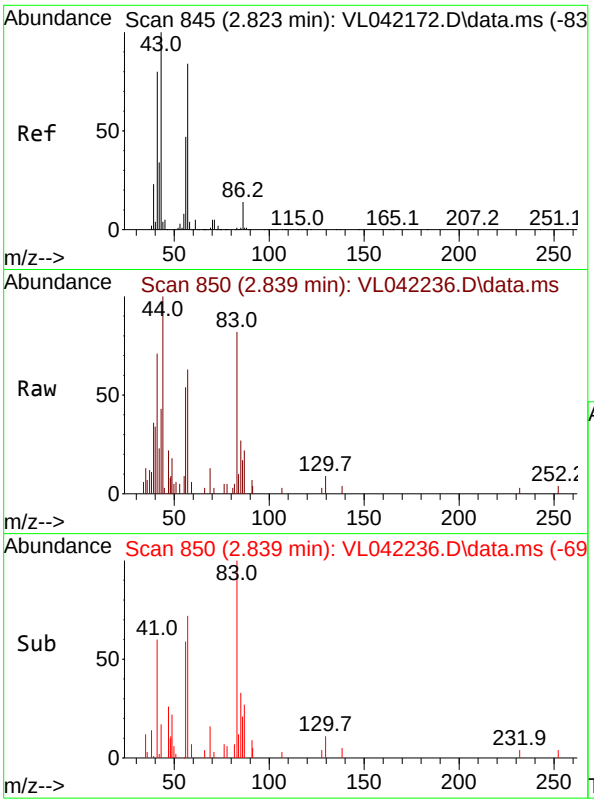


#23
Vinyl Acetate
Concen: 0.051 ppbv
RT: 2.483 min Scan# 740
Delta R.T. 0.022 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 43 Resp: 632

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	0.0	8.6	13.0#
44	5.6	6.2	9.4#



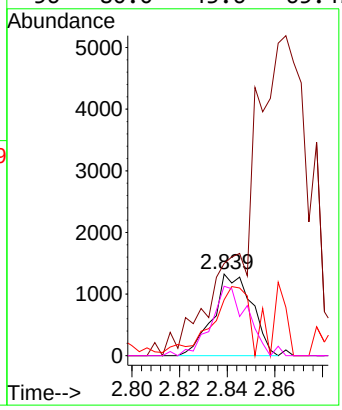


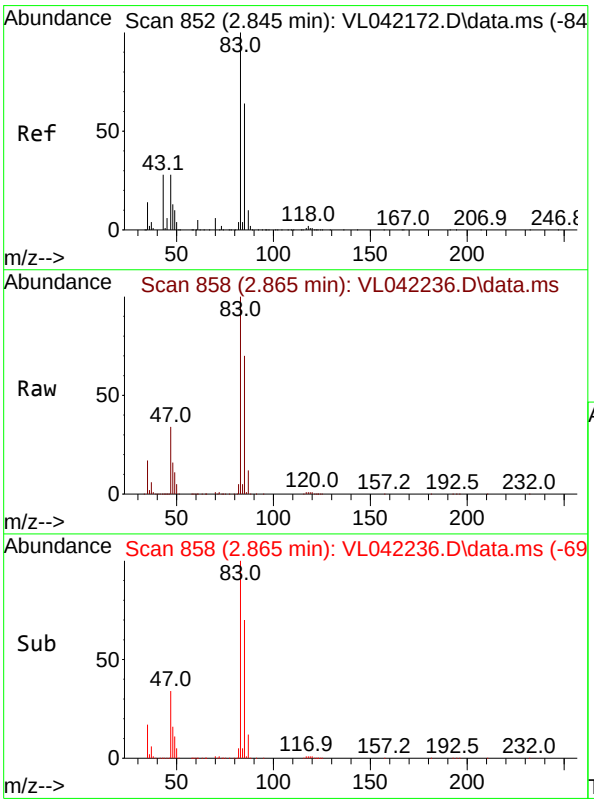
#26
Hexane
Concen: 0.052 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 57 Resp: 1499

Ion	Ratio	Lower	Upper
57	100		
41	0.0	76.6	114.8#
43	0.0	207.8	311.8#
56	80.0	43.6	65.4#

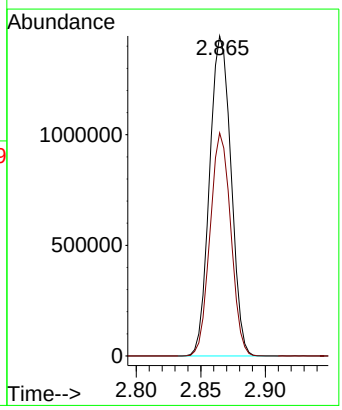


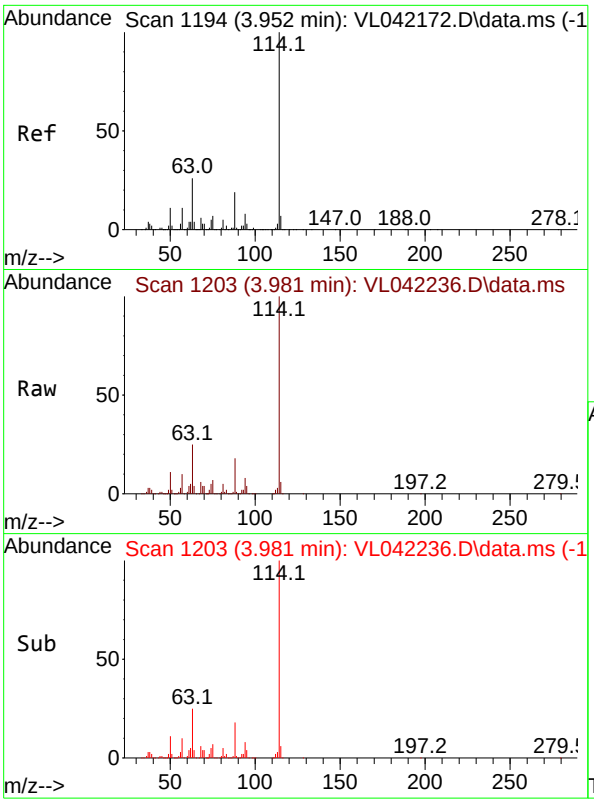


#29
Chloroform
Concen: 39.844 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 83 Resp: 1667671

Ion	Ratio	Lower	Upper
83	100		
85	69.7	51.4	77.2



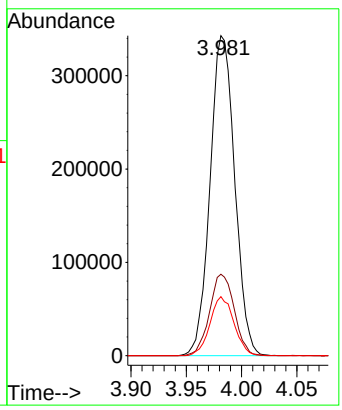


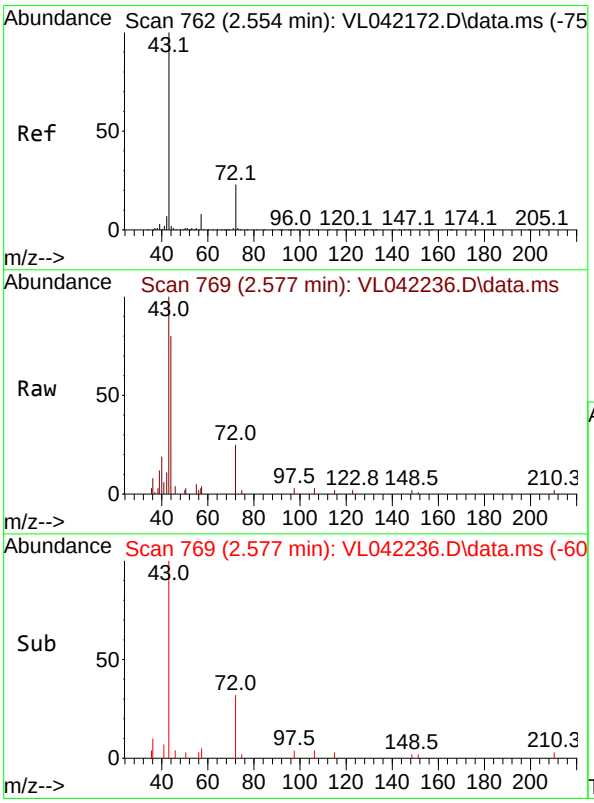
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion:114 Resp: 532301

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.7	31.1
88	17.9	15.0	22.4

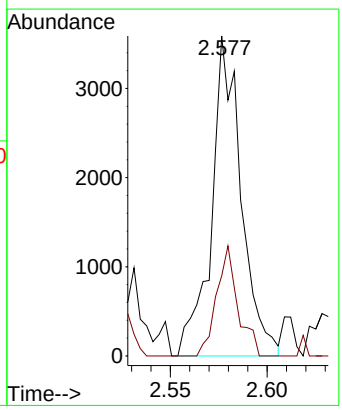


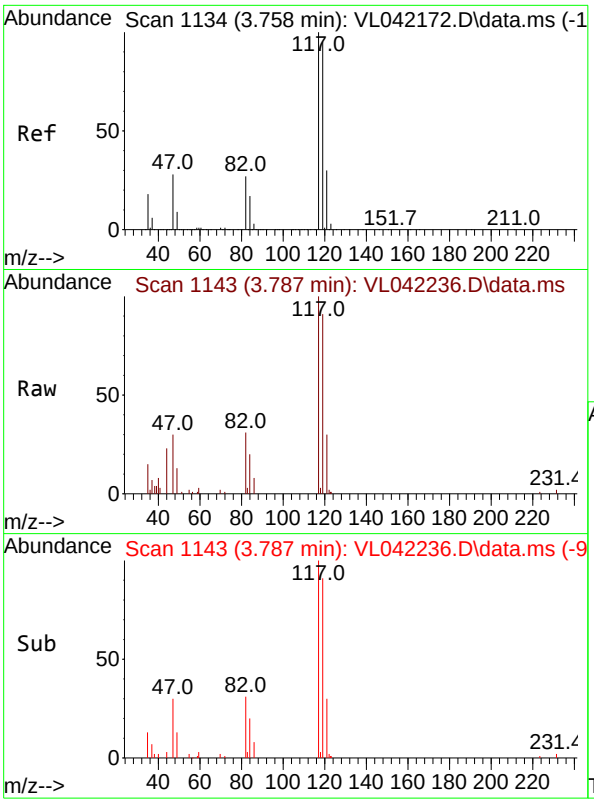


#34
2-Butanone
Concen: 0.099 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.022 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 43 Resp: 3813

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.2	27.2



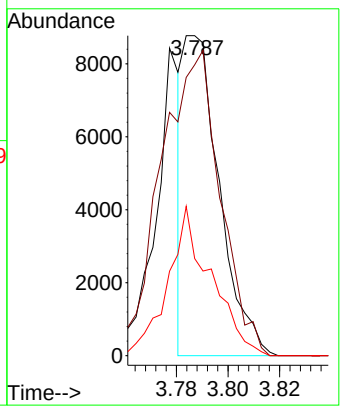


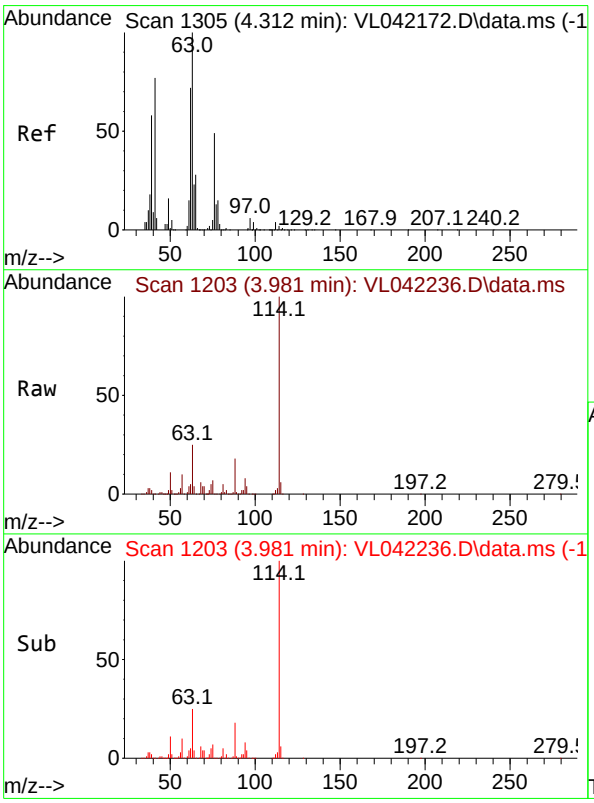
#35
Carbon Tetrachloride
Concen: 0.204 ppbv
RT: 3.787 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion:117 Resp: 8468

Ion	Ratio	Lower	Upper
117	100		
119	90.9	76.2	114.2
121	30.4	24.2	36.4

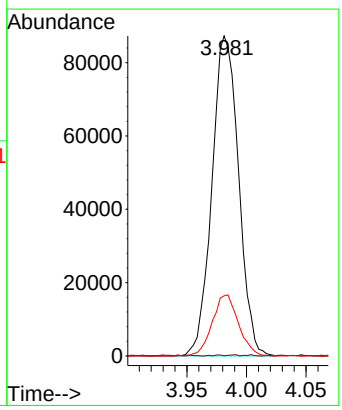


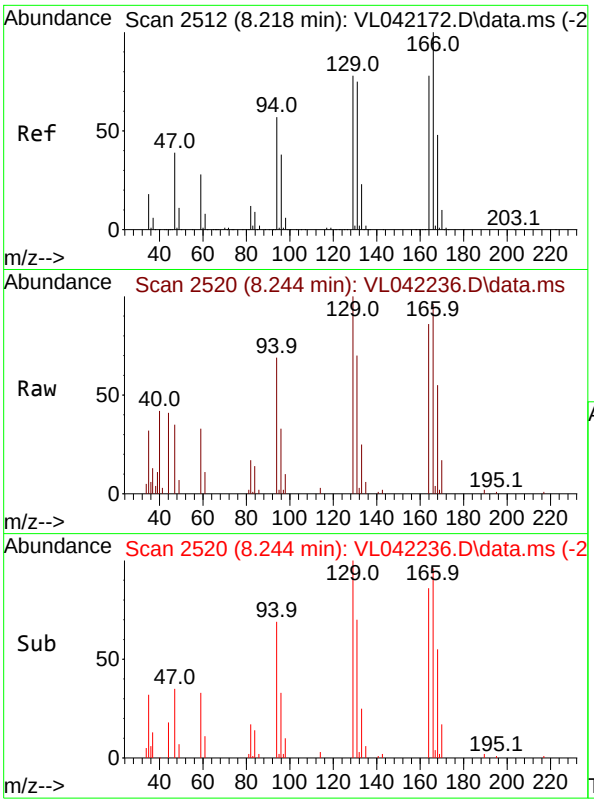


#39
1,2-Dichloropropane
Concen: 7.059 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. -0.330 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion: 63 Resp: 135654

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.7	92.5#
62	18.7	57.6	86.4#



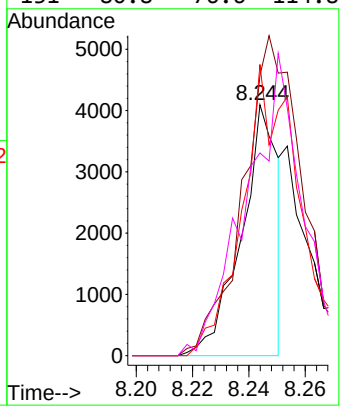


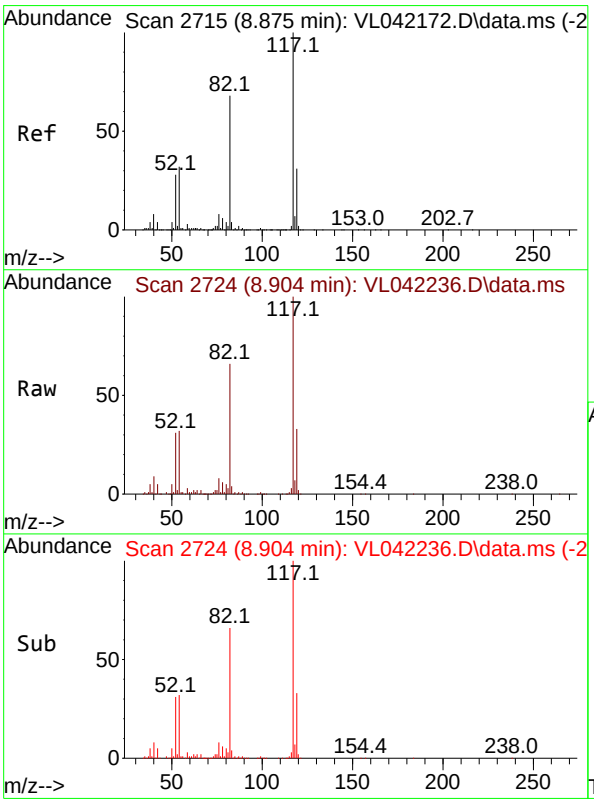
#52
Tetrachloroethene
Concen: 0.174 ppbv
RT: 8.244 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion:164 Resp: 3651

Ion	Ratio	Lower	Upper
164	100		
166	111.7	102.5	153.7
129	116.1	79.8	119.8
131	80.8	76.6	114.8

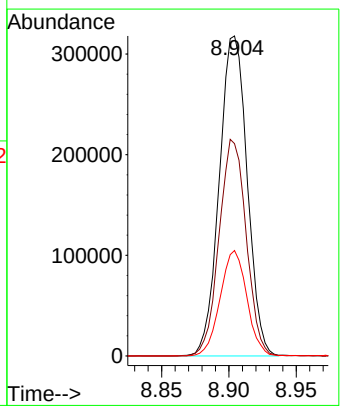


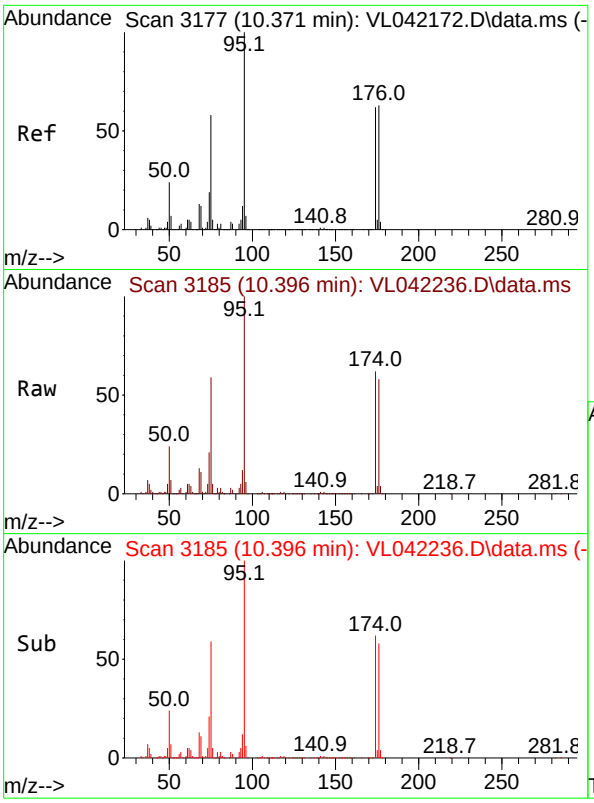


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion:117 Resp: 458285

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.7	25.5	38.3



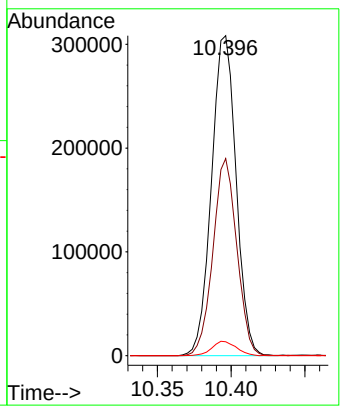


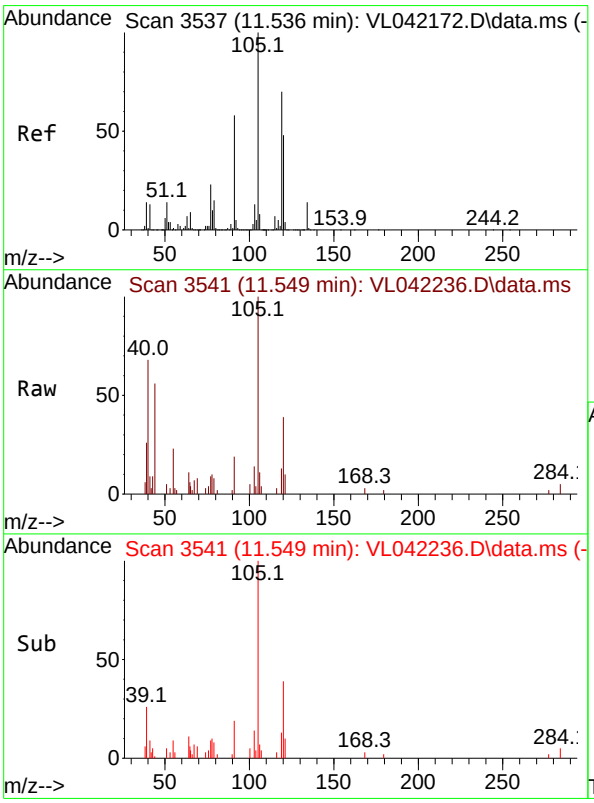
#68
1-Bromo-4-Fluorobenzene
Concen: 9.500 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL

Tgt Ion: 95 Resp: 357544

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.5	3.8	5.6

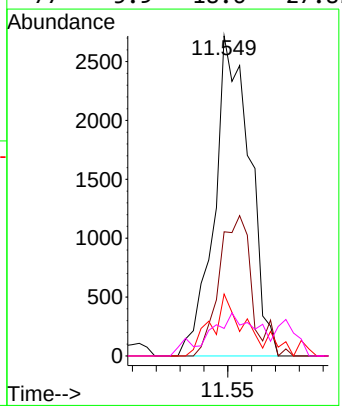




#74
1,2,4-Trimethylbenzene
Concen: 0.034 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.013 min
Lab File: VL042236.D
Acq: 07 Apr 2025 17:44

Tgt Ion:105 Resp: 2806

Ion	Ratio	Lower	Upper
105	100		
120	38.8	38.6	58.0
91	19.3	46.2	69.2#
77	5.9	18.6	27.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042239.D
Acq On : 07 Apr 2025 19:17
Operator : SY/MD
Sample : Q1725-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Quant Time: Apr 08 01:34:26 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

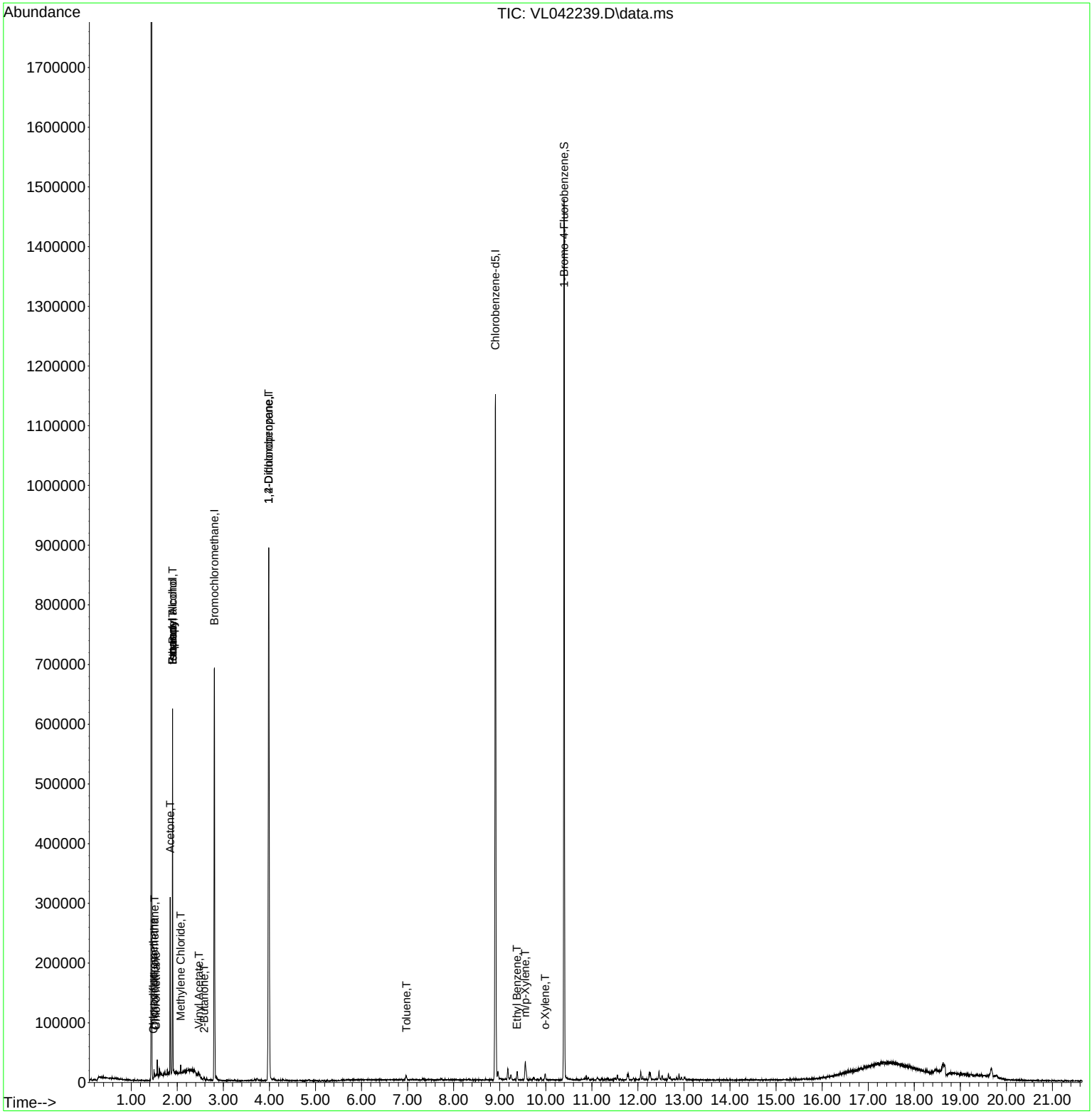
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	192644	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	502203	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.908	117	443302	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	352454	9.682	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.506	85	1633	0.057	ppbv #	84
3) Chlorodifluoromethane	1.483	51	1352	0.047	ppbv #	86
4) Chloromethane	1.541	50	719	0.062	ppbv #	86
9) Propene	1.897	41	23661	1.777	ppbv	93
13) Ethanol	1.897	45	243073	193.062	ppbv #	31
15) Acetone	1.845	43	124436	4.619	ppbv	94
17) tert-Butyl alcohol	1.897	59	8436	0.251	ppbv	99
19) Isopropyl Alcohol	1.897	45	243073	15.990	ppbv #	32
20) Methylene Chloride	2.072	84	1777	0.177	ppbv #	59
23) Vinyl Acetate	2.470	43	2605	0.223	ppbv #	55
34) 2-Butanone	2.583	43	3350	0.092	ppbv	99
39) 1,2-Dichloropropane	3.985	63	132919	7.331	ppbv #	23
53) Toluene	6.972	91	2409	0.041	ppbv #	20
58) Ethyl Benzene	9.374	91	6567	0.083	ppbv #	82
59) m/p-Xylene	9.555	91	18879	0.300	ppbv	99
60) o-Xylene	9.986	91	4467	0.071	ppbv	98

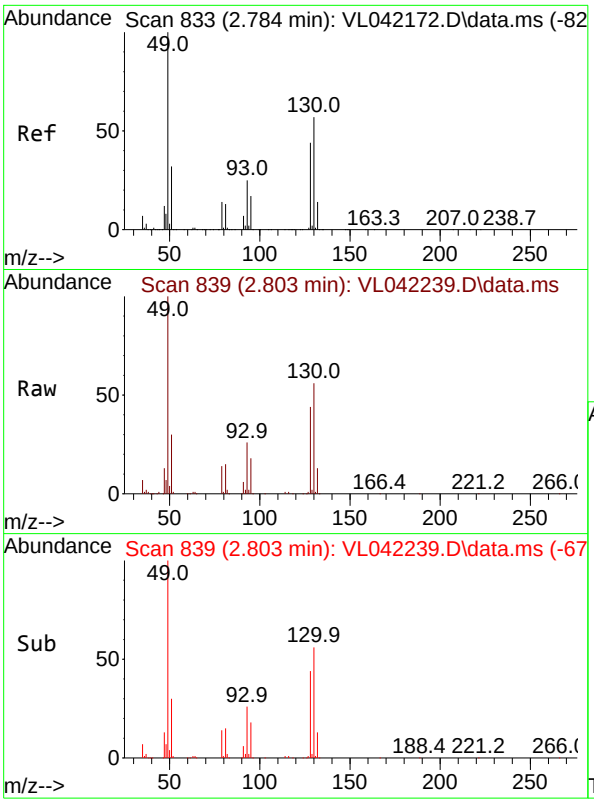
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042239.D
Acq On : 07 Apr 2025 19:17
Operator : SY/MD
Sample : Q1725-05DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Quant Time: Apr 08 01:34:26 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



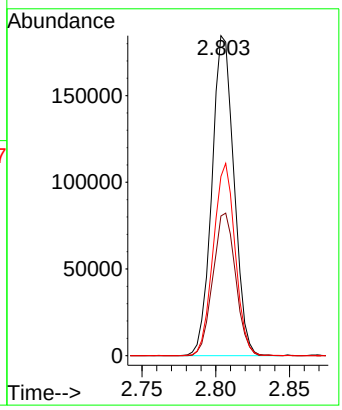


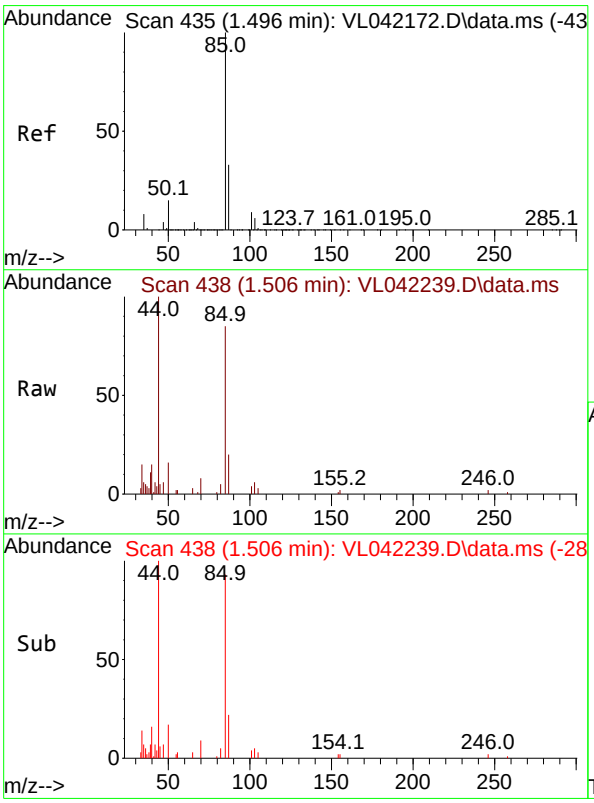
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 49 Resp: 192644

Ion	Ratio	Lower	Upper
49	100		
128	45.8	22.9	68.5
130	59.4	28.8	86.4

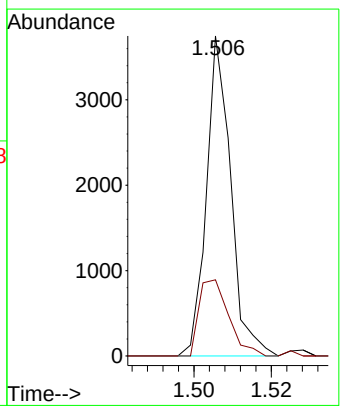


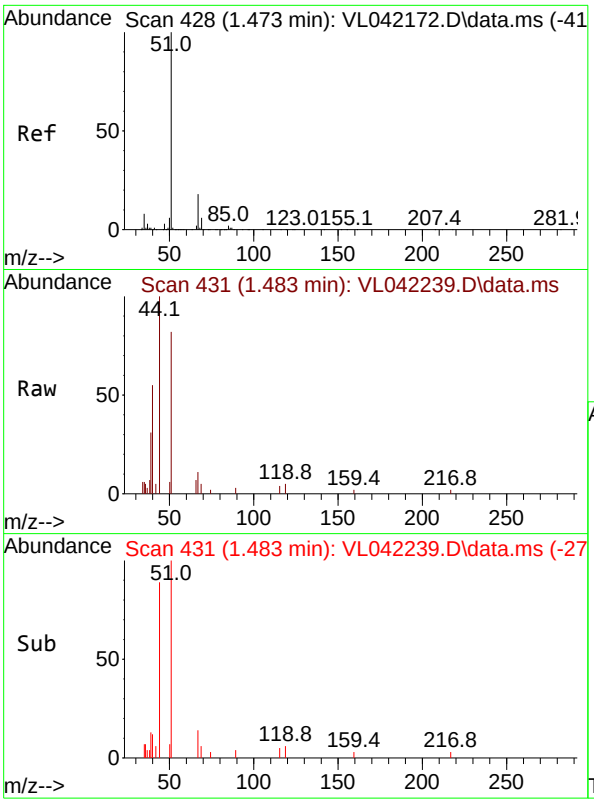


#2
Dichlorodifluoromethane
Concen: 0.057 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 85 Resp: 1633

Ion	Ratio	Lower	Upper
85	100		
87	23.8	26.1	39.1#



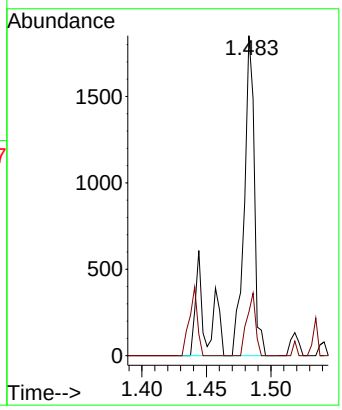


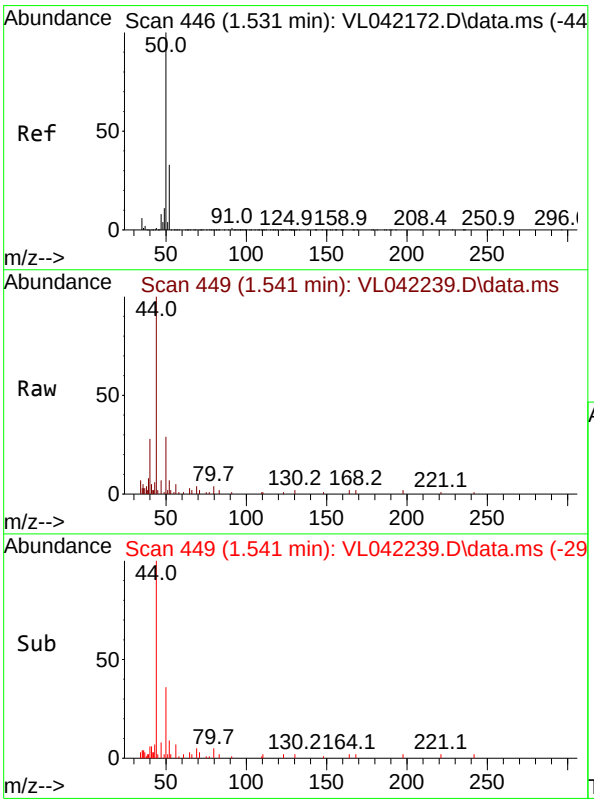
#3
Chlorodifluoromethane
Concen: 0.047 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 51 Resp: 1352

Ion	Ratio	Lower	Upper
51	100		
67	12.6	15.0	22.6#

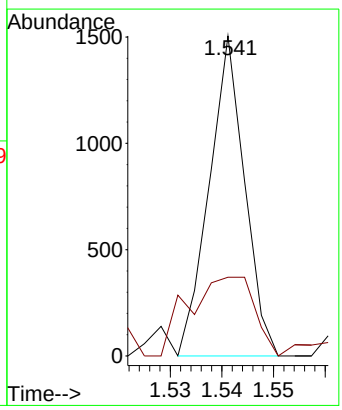


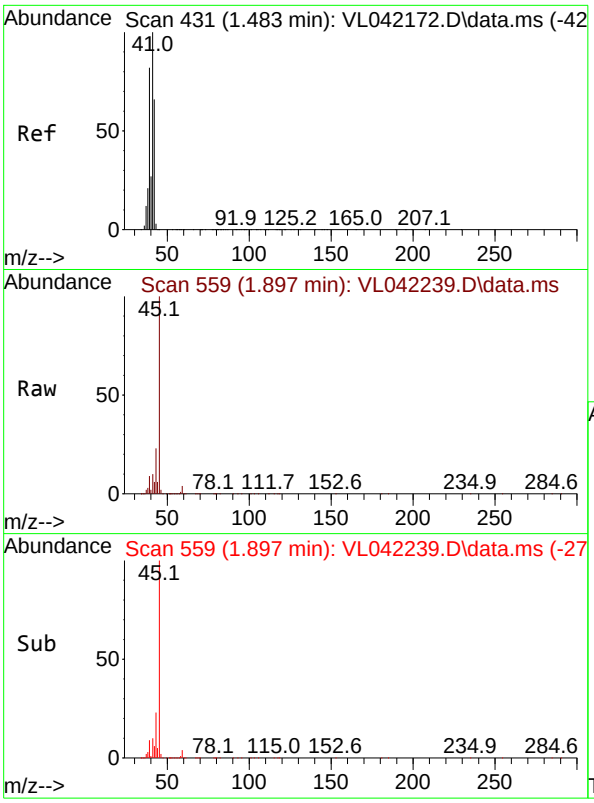


#4
Chloromethane
Concen: 0.062 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 50 Resp: 719

Ion	Ratio	Lower	Upper
50	100		
52	24.6	26.1	39.1#



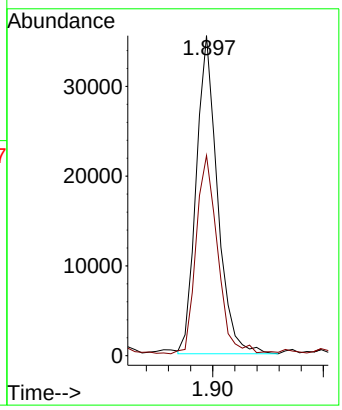


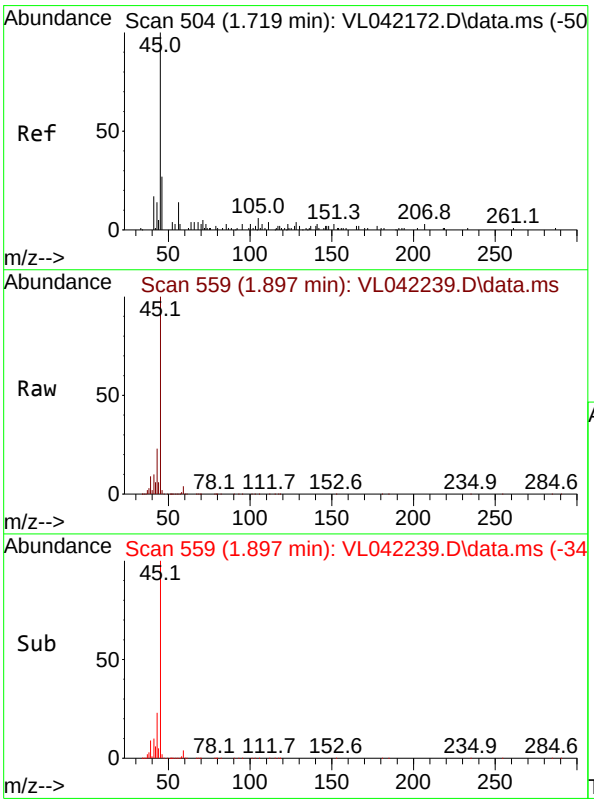
#9
Propene
Concen: 1.777 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.414 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 41 Resp: 23661

Ion	Ratio	Lower	Upper
41	100		
42	63.4	55.4	83.2

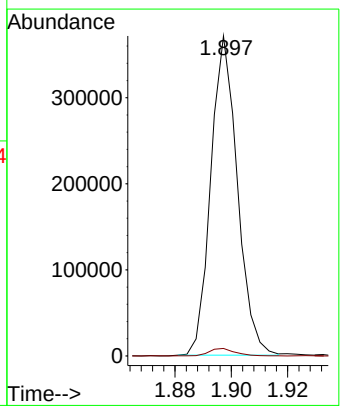


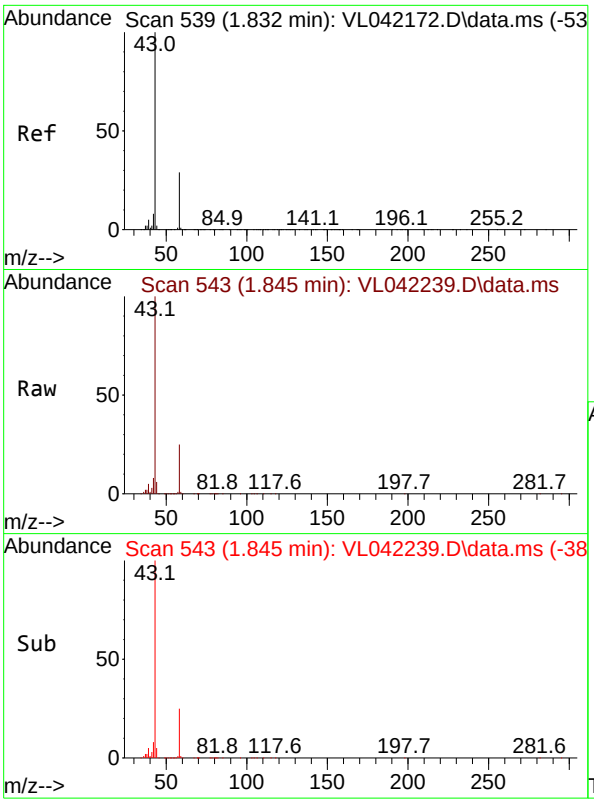


#13
Ethanol
Concen: 193.062 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.178 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 45 Resp: 243073

Ion	Ratio	Lower	Upper
45	100		
46	2.6	20.2	80.8#



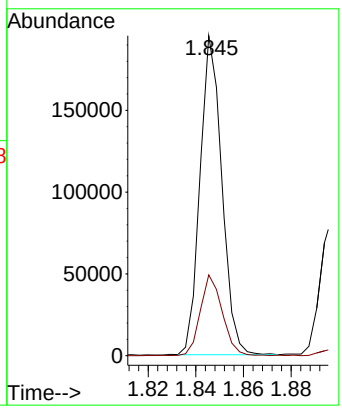


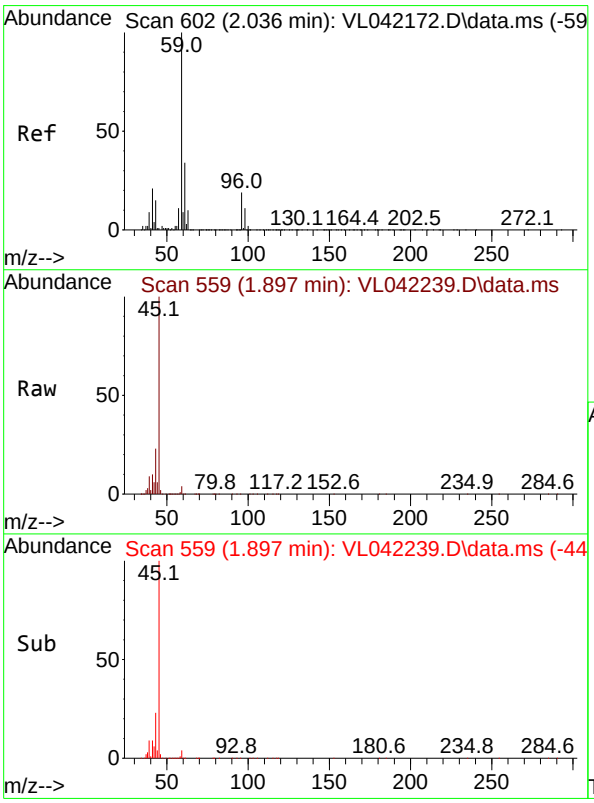
#15
Acetone
Concen: 4.619 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 43 Resp: 124436

Ion	Ratio	Lower	Upper
43	100		
58	25.7	23.2	34.8

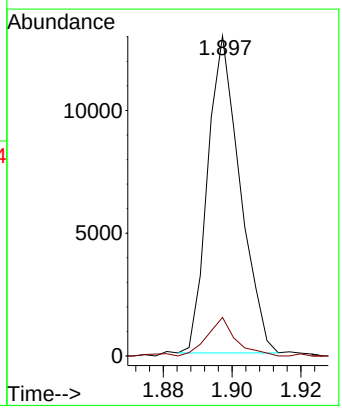


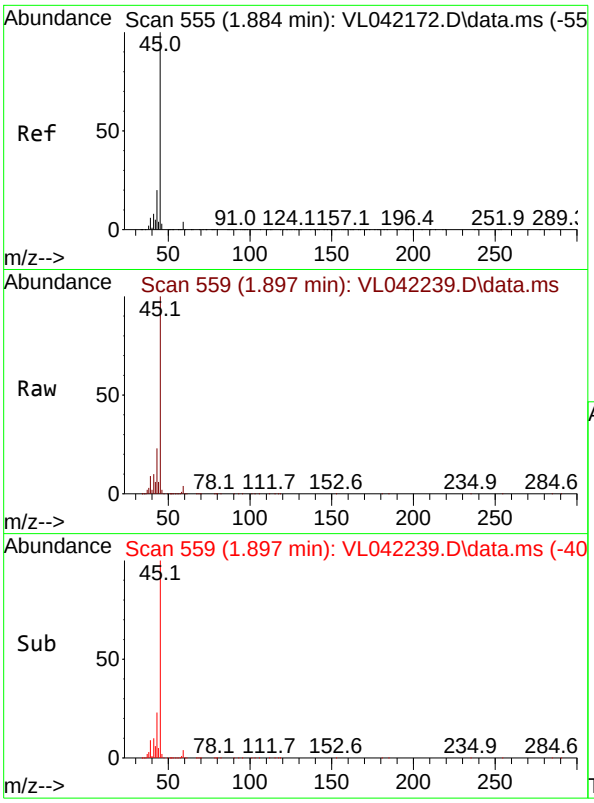


#17
tert-Butyl alcohol
Concen: 0.251 ppbv
RT: 1.897 min Scan# 559
Delta R.T. -0.139 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 59 Resp: 8436

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.9	13.3



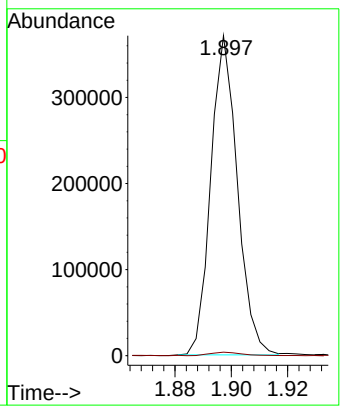


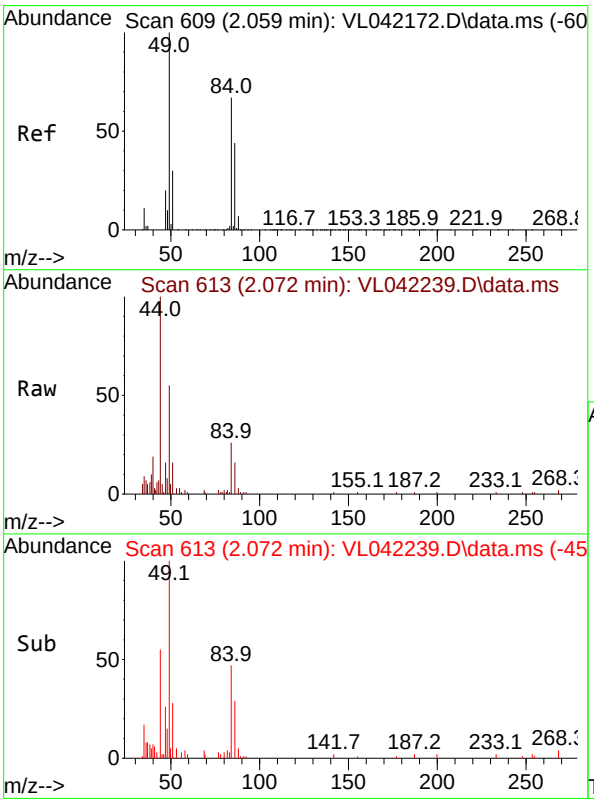
#19
Isopropyl Alcohol
Concen: 15.990 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 45 Resp: 243073

Ion	Ratio	Lower	Upper
45	100		
58	1.3	36.9	55.3#

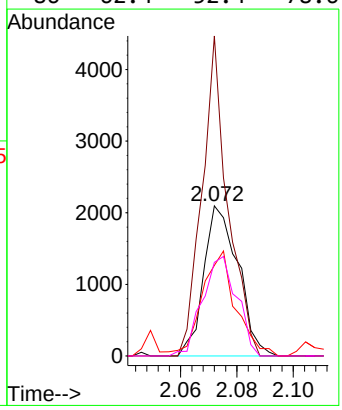


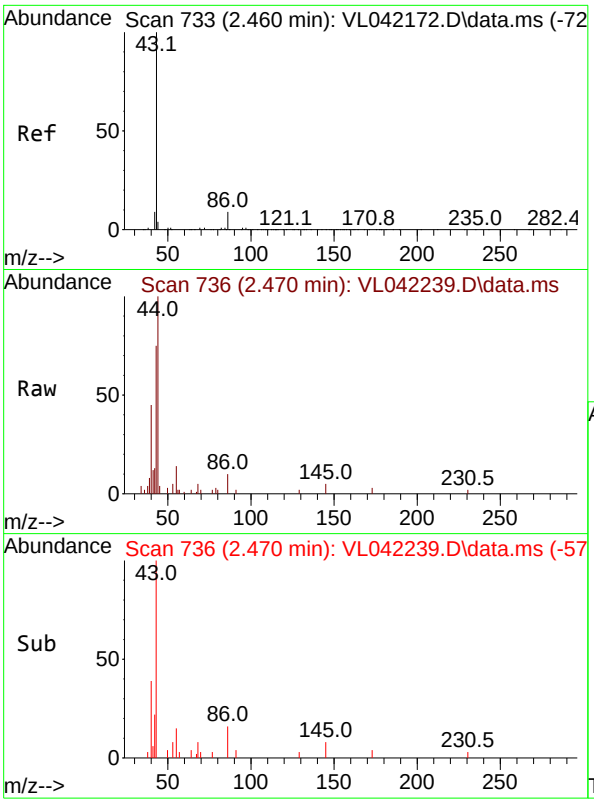


#20
Methylene Chloride
Concen: 0.177 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 84 Resp: 1777

Ion	Ratio	Lower	Upper
84	100		
49	231.4	120.2	180.4#
51	60.3	37.4	56.0#
86	62.4	52.4	78.6



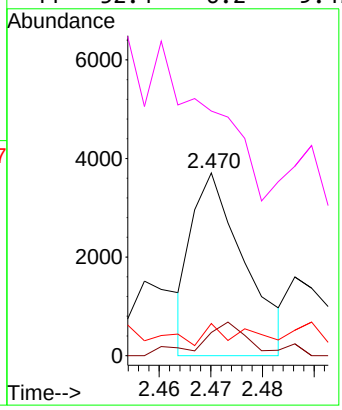


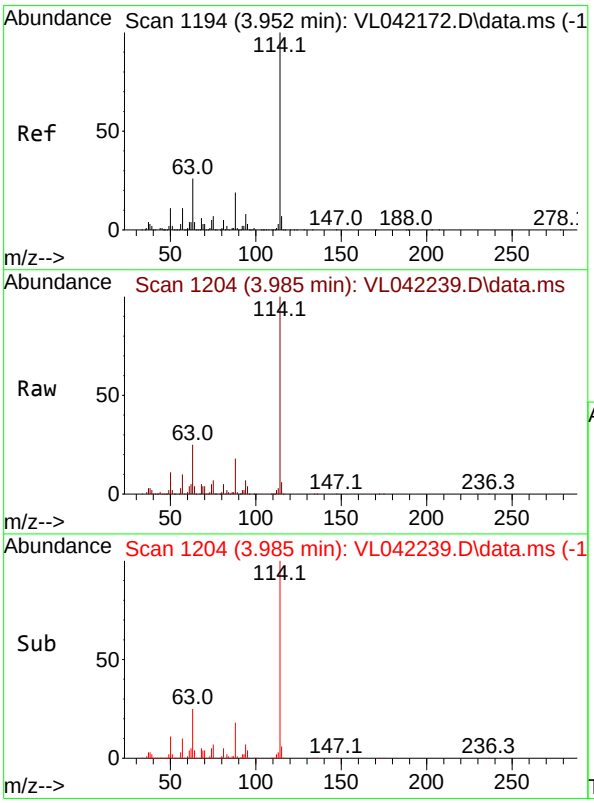
#23
Vinyl Acetate
Concen: 0.223 ppbv
RT: 2.470 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 43 Resp: 2605

Ion	Ratio	Lower	Upper
43	100		
86	13.2	5.5	8.3#
42	12.2	8.6	13.0
44	52.4	6.2	9.4#

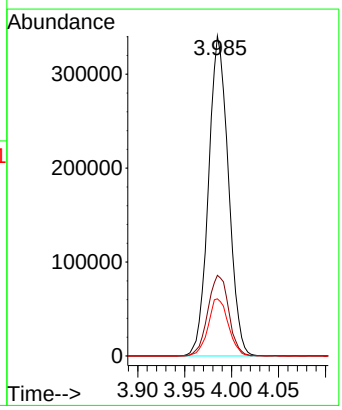


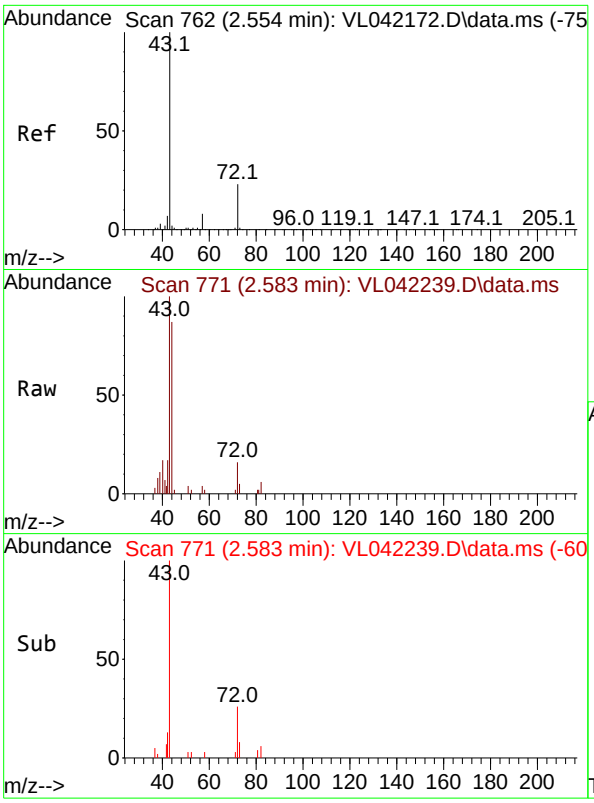


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion:114 Resp: 502203

Ion	Ratio	Lower	Upper
114	100		
63	26.6	20.7	31.1
88	18.2	15.0	22.4



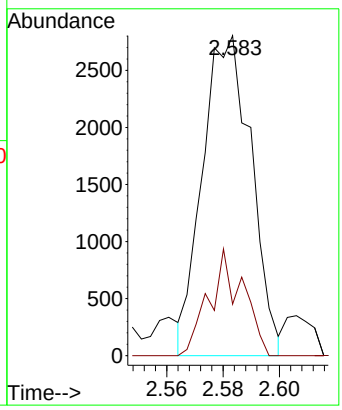


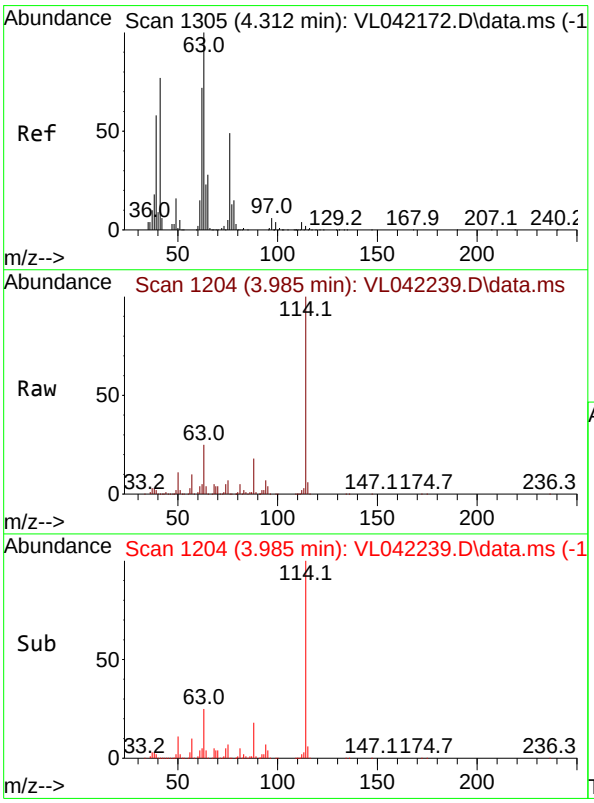
#34
2-Butanone
Concen: 0.092 ppbv
RT: 2.583 min Scan# 7
Delta R.T. 0.029 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 43 Resp: 3350

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.2	27.2

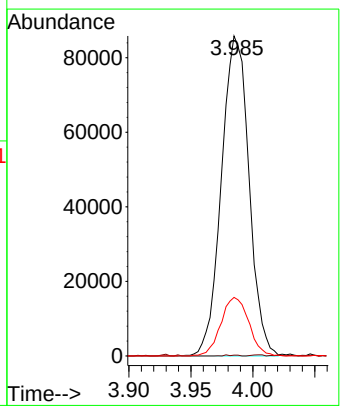


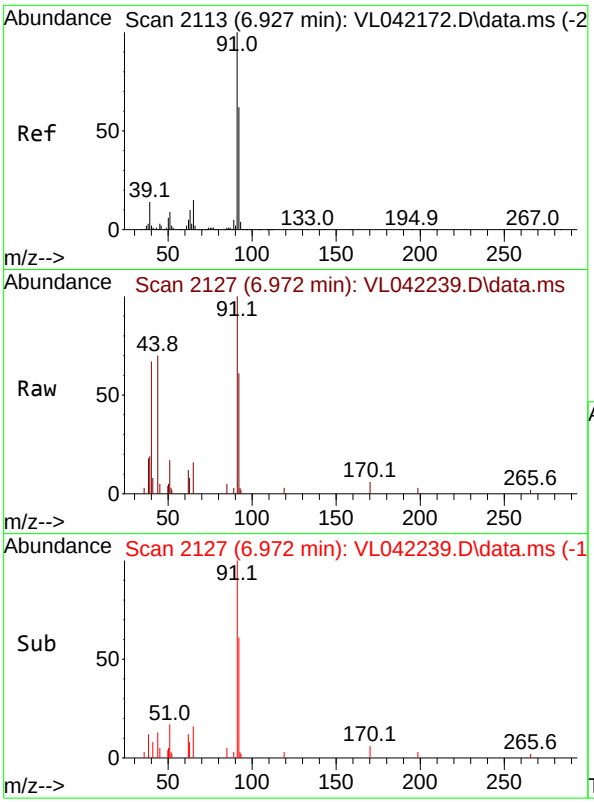


#39
1,2-Dichloropropane
Concen: 7.331 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. -0.327 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 63 Resp: 132919

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.7	92.5#
62	18.3	57.6	86.4#



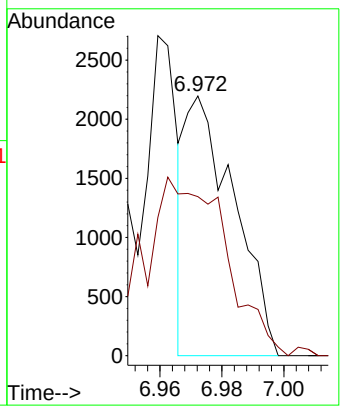


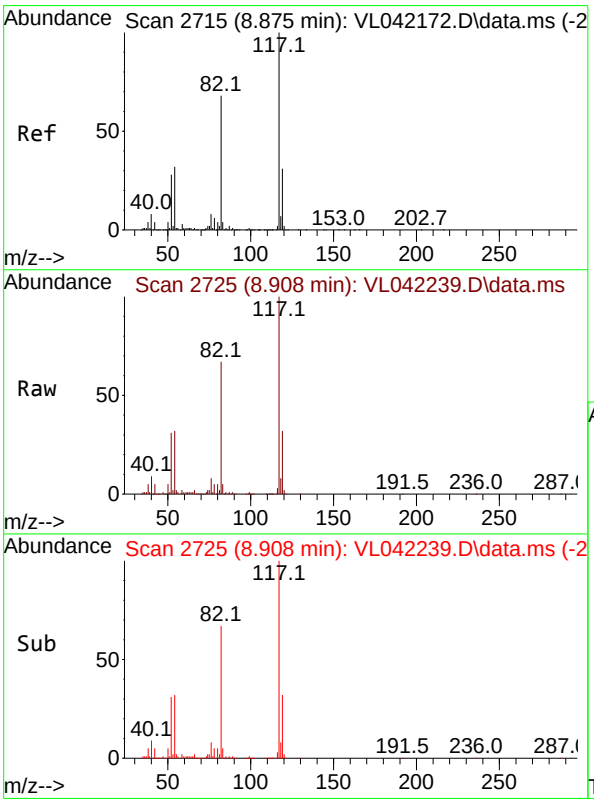
#53
Toluene
Concen: 0.041 ppbv
RT: 6.972 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 91 Resp: 2409

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#

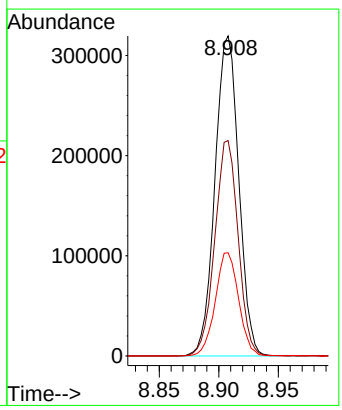


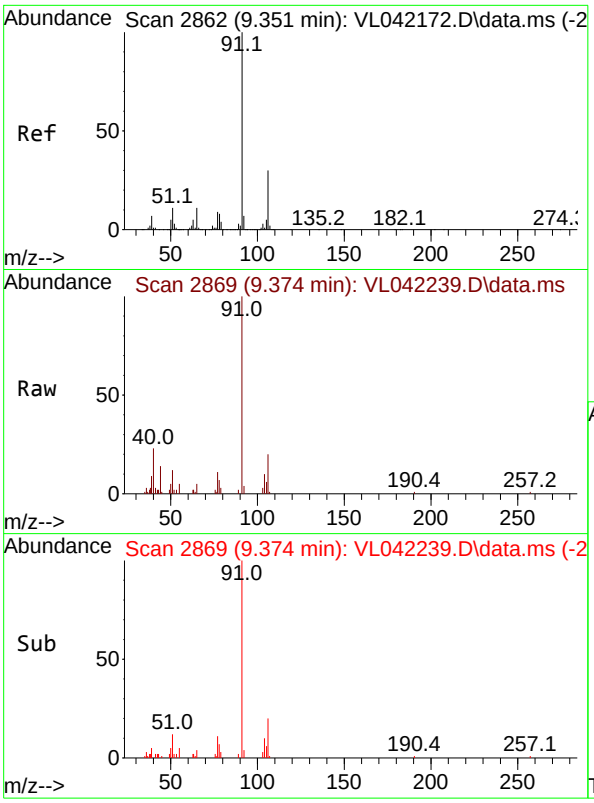


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion:117 Resp: 443302

Ion	Ratio	Lower	Upper
117	100		
82	66.1	55.8	83.6
119	31.8	25.5	38.3



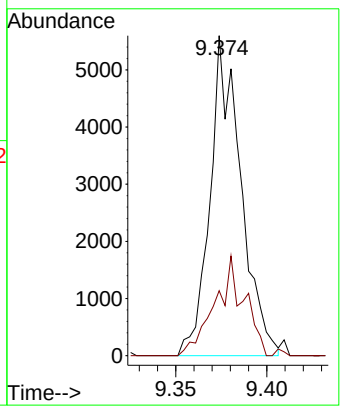


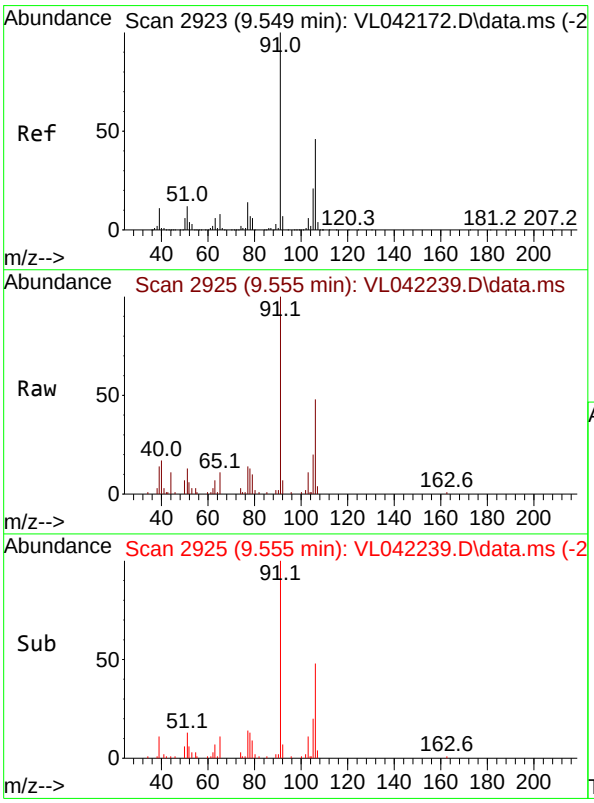
#58
Ethyl Benzene
Concen: 0.083 ppbv
RT: 9.374 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 91 Resp: 6567

Ion	Ratio	Lower	Upper
91	100		
106	20.3	24.2	36.2#

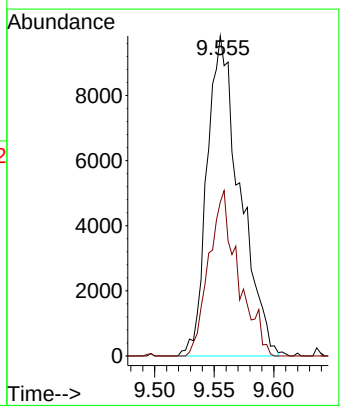


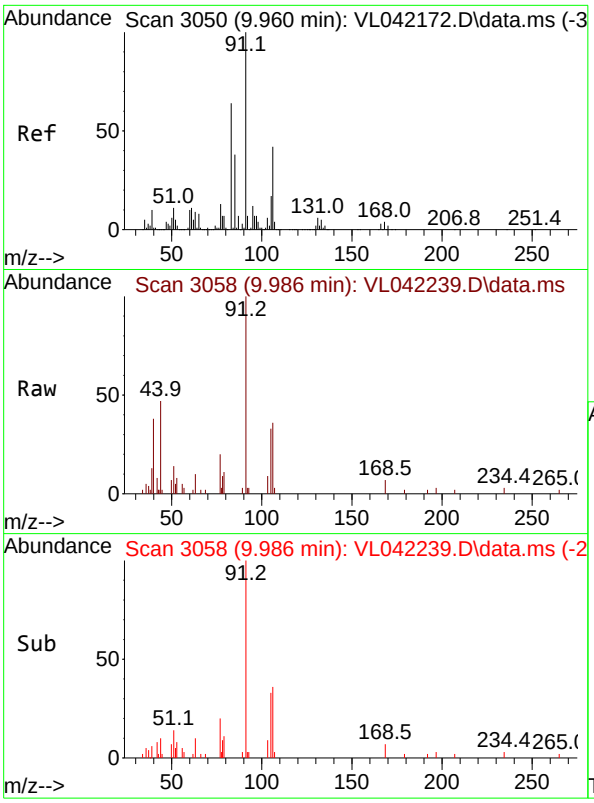


#59
m/p-Xylene
Concen: 0.300 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.007 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 91 Resp: 18879

Ion	Ratio	Lower	Upper
91	100		
106	46.4	36.4	54.6



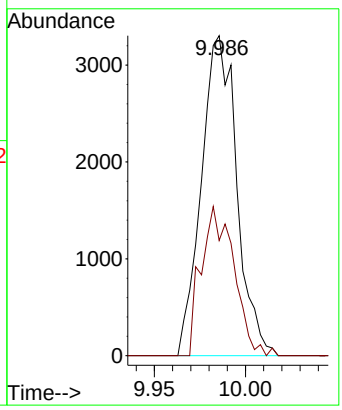


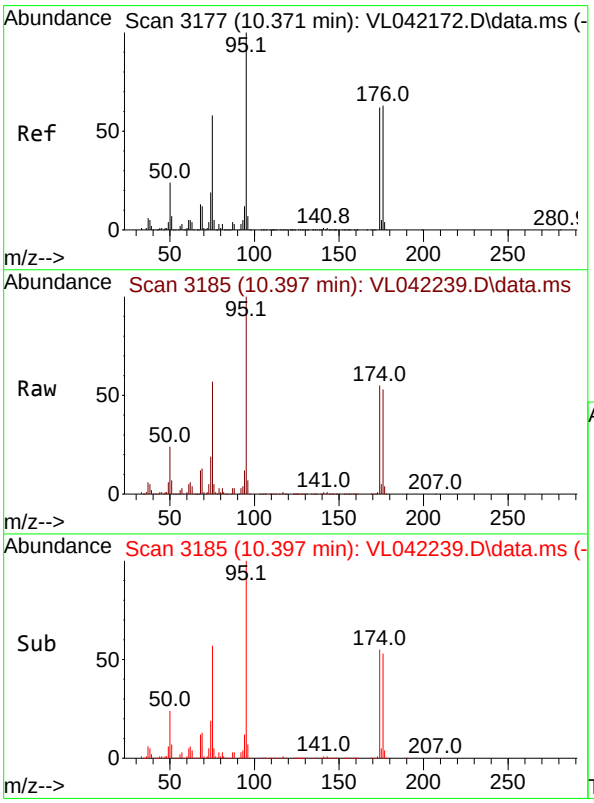
#60
o-Xylene
Concen: 0.071 ppbv
RT: 9.986 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025DL

Tgt Ion: 91 Resp: 4467

Ion	Ratio	Lower	Upper
91	100		
106	43.2	20.8	62.5

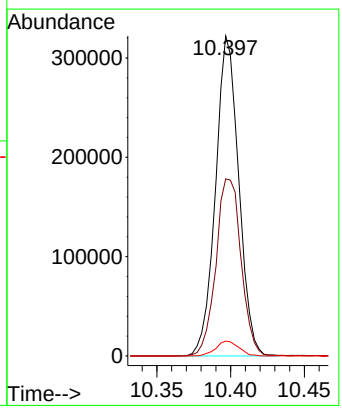




#68
1-Bromo-4-Fluorobenzene
Concen: 9.682 ppbv
RT: 10.397 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042239.D
Acq: 07 Apr 2025 19:17

Tgt Ion: 95 Resp: 352454

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.6	3.8	5.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042241.D
Acq On : 07 Apr 2025 20:19
Operator : SY/MD
Sample : Q1725-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Quant Time: Apr 08 01:35:14 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

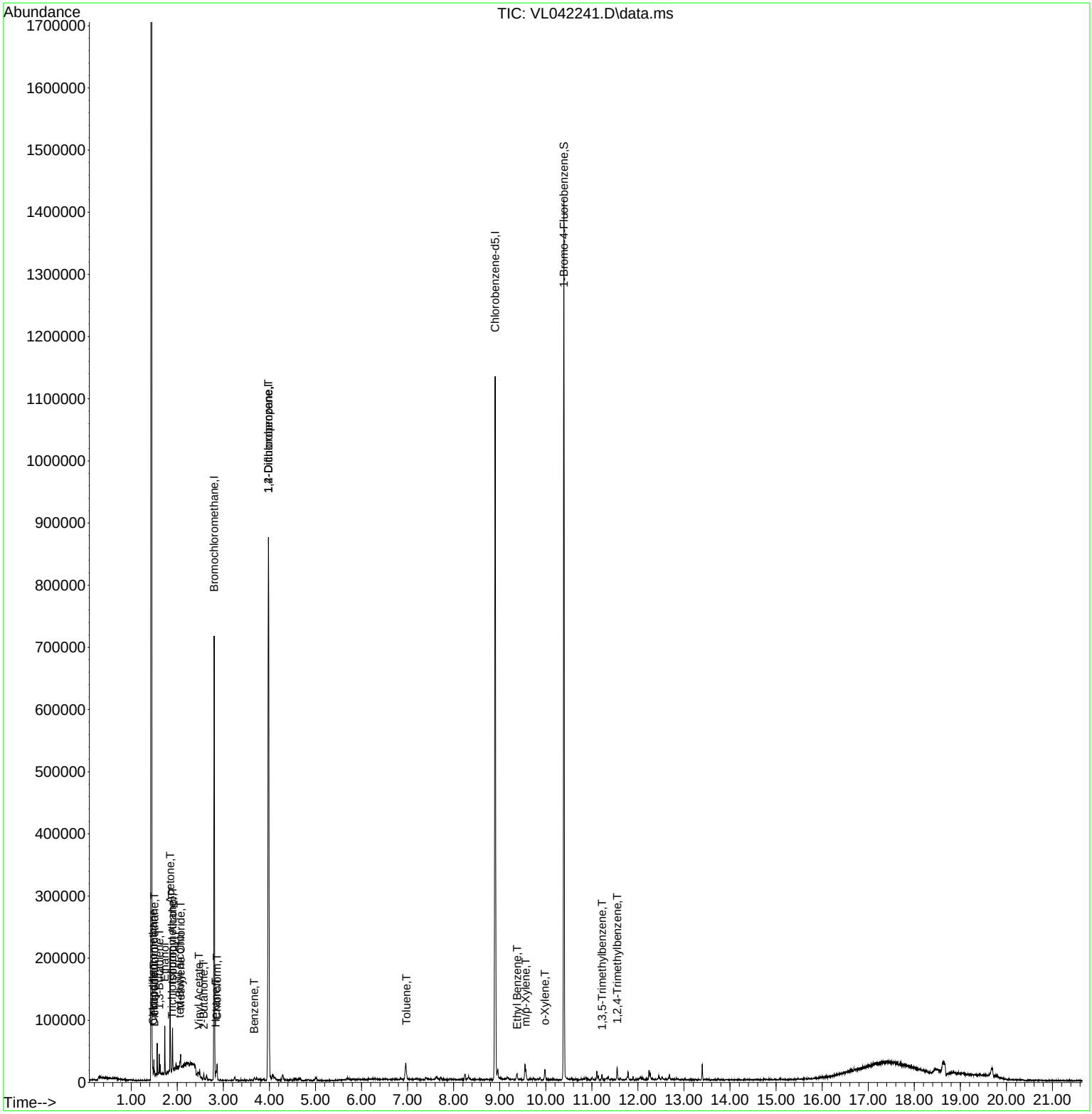
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	193361	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	501287	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.901	117	435889	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	342674	9.573	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	1454	0.051	ppbv #	85
3) Chlorodifluoromethane	1.473	51	2614	0.090	ppbv #	66
9) Propene	1.492	41	2464	0.184	ppbv	96
11) Trichlorofluoromethane	1.887	101	873	0.031	ppbv	94
13) Ethanol	1.729	45	24715	19.557	ppbv	88
15) Acetone	1.845	43	86496	3.199	ppbv	92
16) 1,3-Butadiene	1.609	39	4147	0.314	ppbv #	22
17) tert-Butyl alcohol	2.056	59	2967	0.088	ppbv #	65
19) Isopropyl Alcohol	1.897	45	27725	1.817	ppbv #	36
20) Methylene Chloride	2.072	84	2831	0.281	ppbv	97
23) Vinyl Acetate	2.467	43	2686	0.229	ppbv #	51
26) Hexane	2.836	57	2231	0.082	ppbv #	44
29) Chloroform	2.862	83	10048	0.253	ppbv #	79
34) 2-Butanone	2.573	43	5926	0.163	ppbv	99
36) Benzene	3.671	78	1744	0.035	ppbv #	87
39) 1,2-Dichloropropane	3.978	63	130609	7.217	ppbv #	22
53) Toluene	6.972	91	3522	0.060	ppbv #	20
58) Ethyl Benzene	9.377	91	5155	0.067	ppbv	96
59) m/p-Xylene	9.565	91	4633	0.075	ppbv #	31
60) o-Xylene	9.982	91	7313	0.118	ppbv	96
73) 1,3,5-Trimethylbenzene	11.219	105	2306	0.034	ppbv	87
74) 1,2,4-Trimethylbenzene	11.552	105	7104	0.091	ppbv #	61

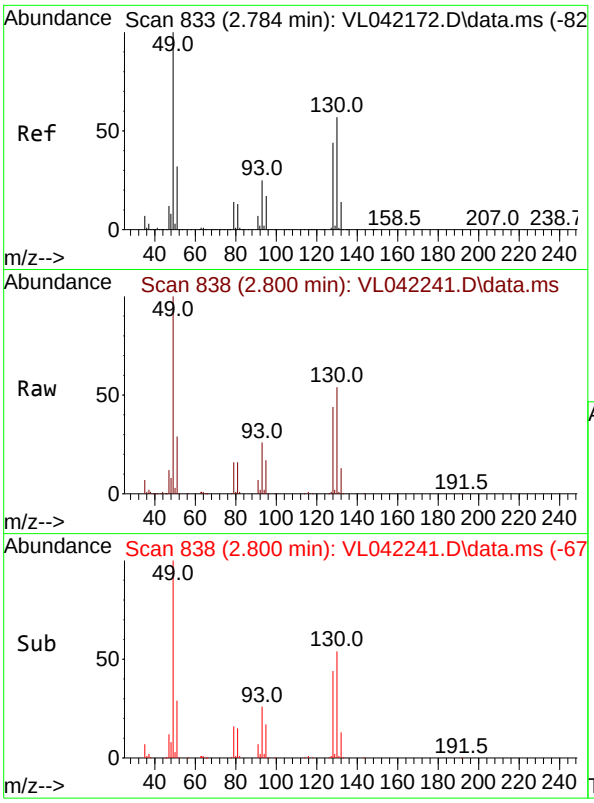
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042241.D
Acq On : 07 Apr 2025 20:19
Operator : SY/MD
Sample : Q1725-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Quant Time: Apr 08 01:35:14 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



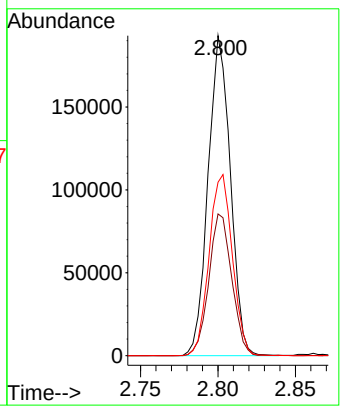


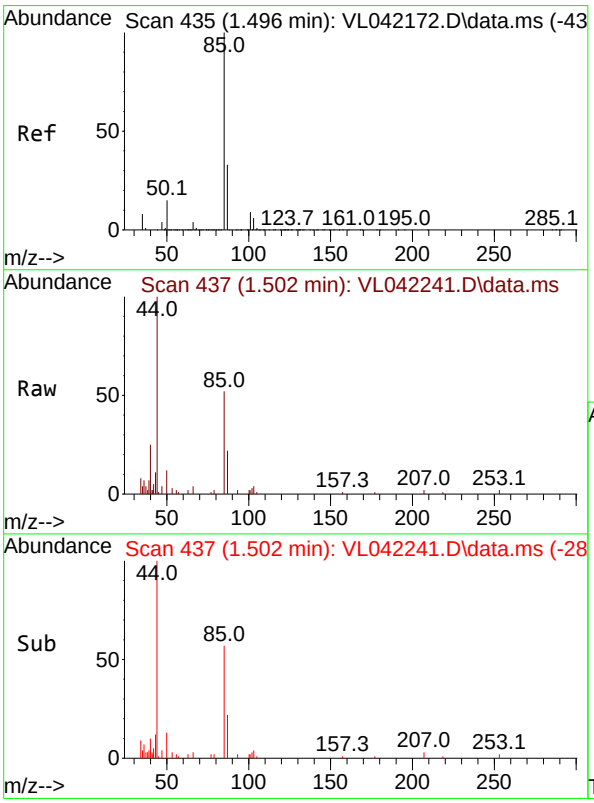
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 49 Resp: 193361

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	59.2	28.8	86.4

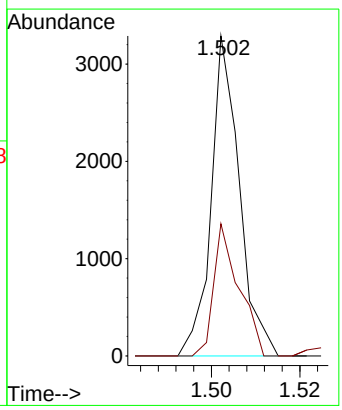


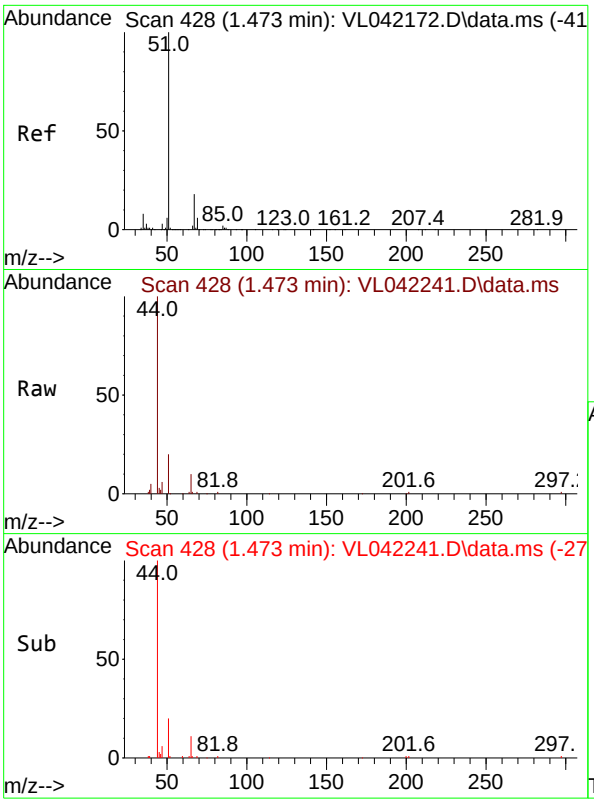


#2
Dichlorodifluoromethane
Concen: 0.051 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 85 Resp: 1454

Ion	Ratio	Lower	Upper
85	100		
87	41.3	26.1	39.1#



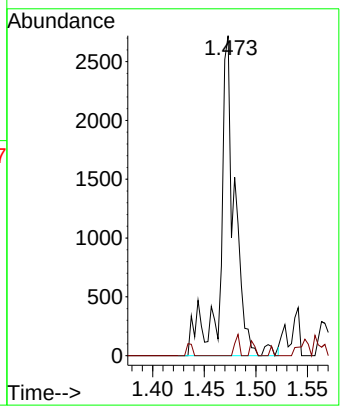


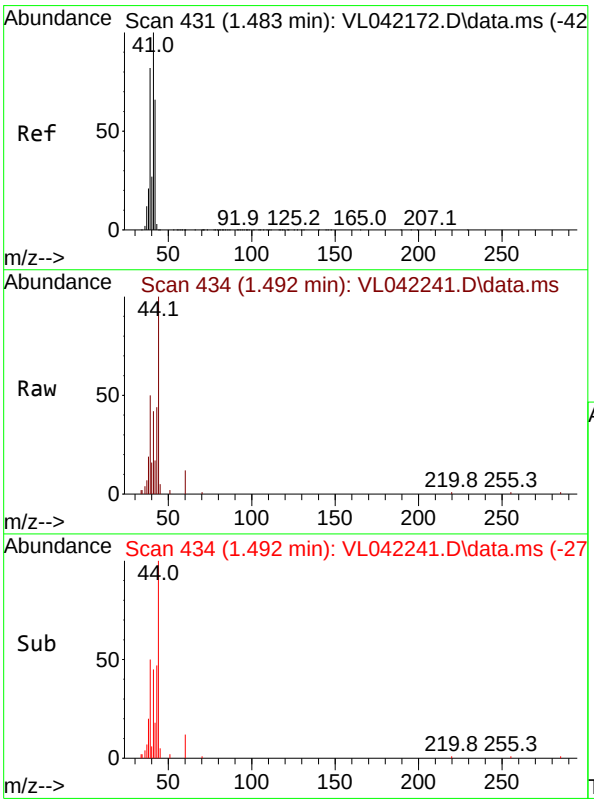
#3
Chlorodifluoromethane
Concen: 0.090 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 51 Resp: 2614

Ion	Ratio	Lower	Upper
51	100		
67	3.6	15.0	22.6#

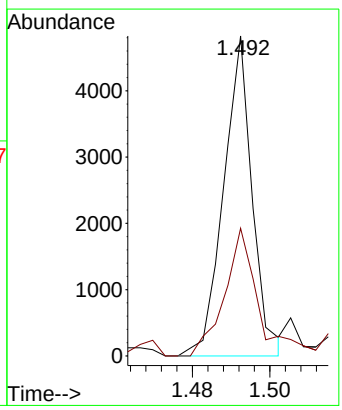


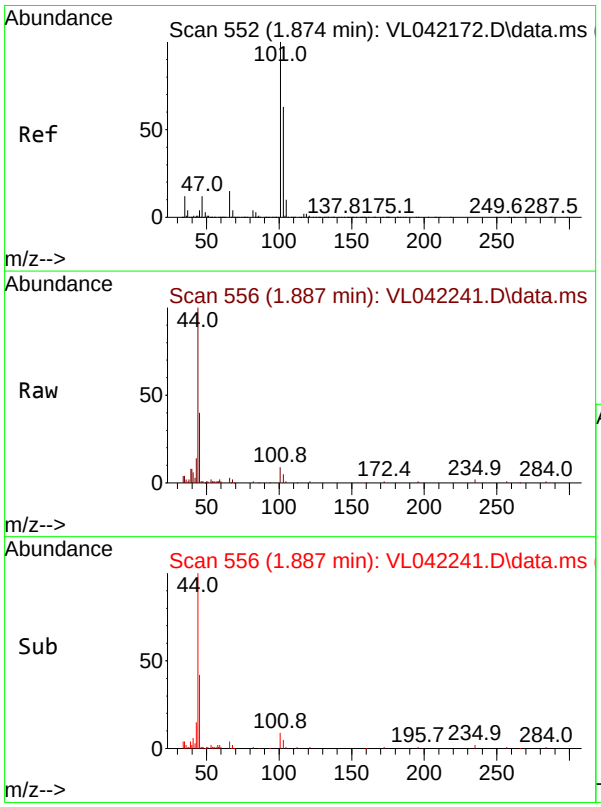


#9
Propene
Concen: 0.184 ppbv
RT: 1.492 min Scan# 434
Delta R.T. 0.010 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 41 Resp: 2464

Ion	Ratio	Lower	Upper
41	100		
42	66.0	55.4	83.2



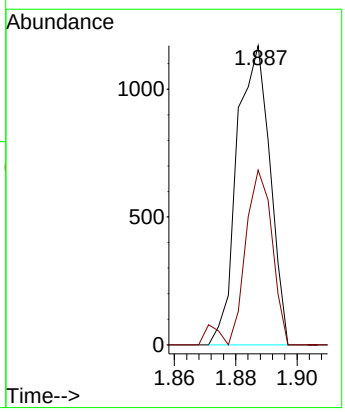


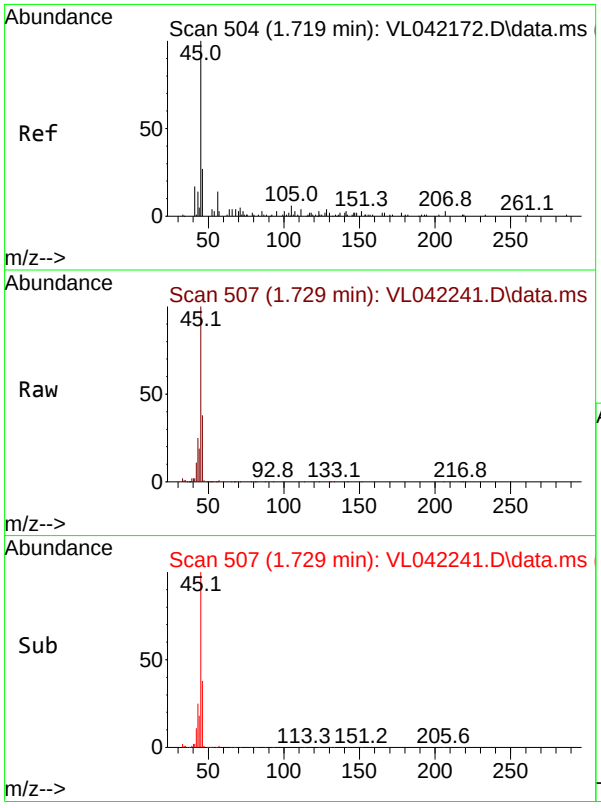
#11
Trichlorofluoromethane
Concen: 0.031 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion:101 Resp: 873

Ion	Ratio	Lower	Upper
101	100		
103	58.4	50.2	75.2

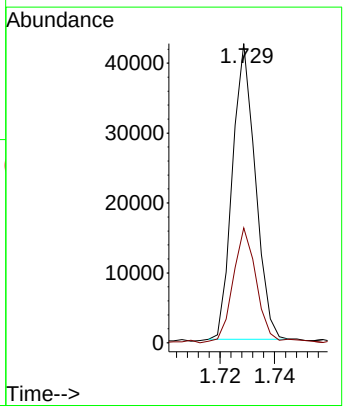


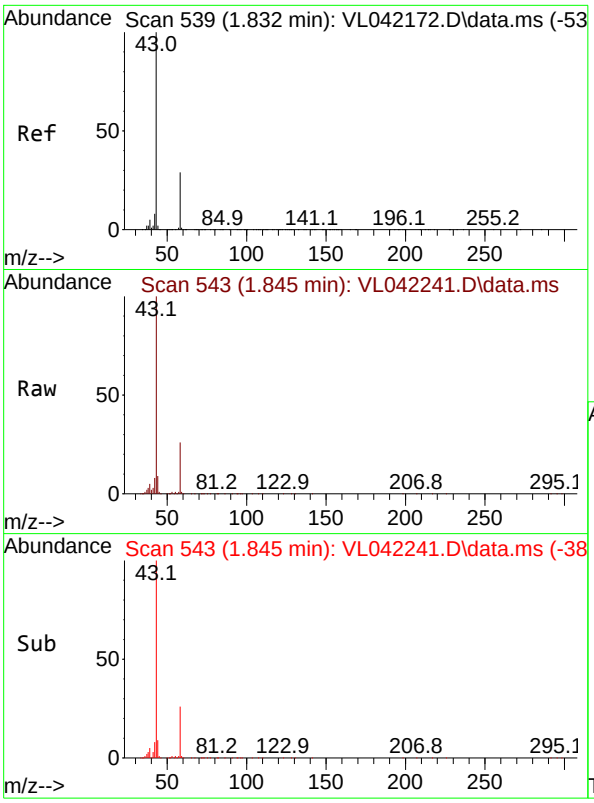


#13
Ethanol
Concen: 19.557 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 45 Resp: 24715

Ion	Ratio	Lower	Upper
45	100		
46	42.1	20.2	80.8



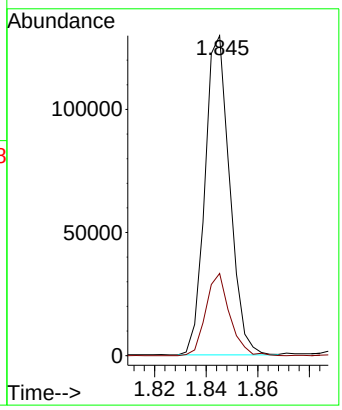


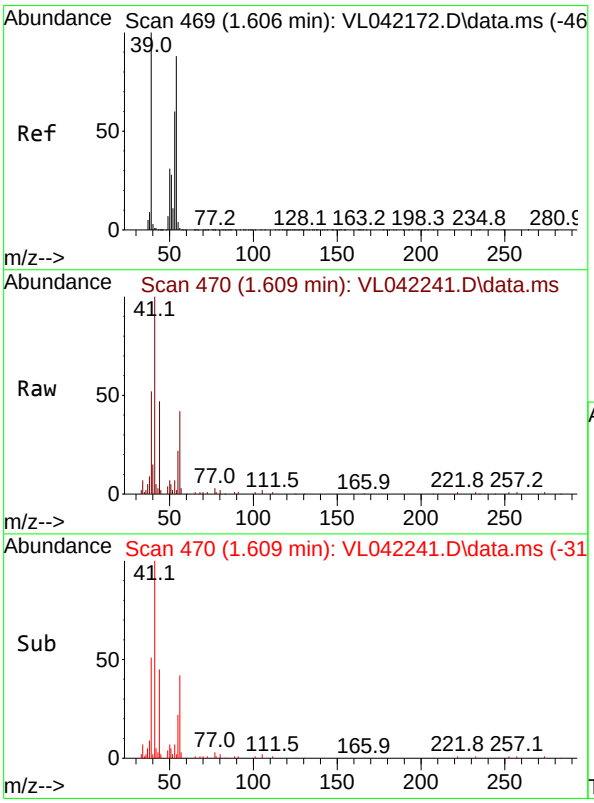
#15
Acetone
Concen: 3.199 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 43 Resp: 86496

Ion	Ratio	Lower	Upper
43	100		
58	24.9	23.2	34.8

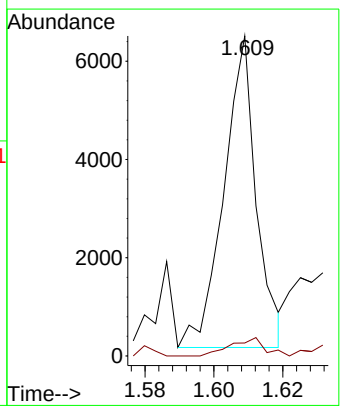


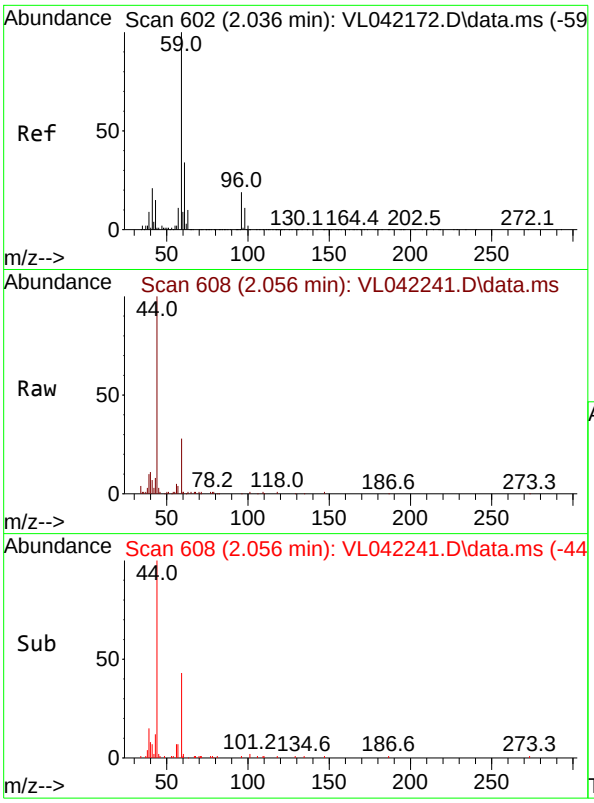


#16
1,3-Butadiene
Concen: 0.314 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 39 Resp: 4147

Ion	Ratio	Lower	Upper
39	100		
54	8.8	60.7	91.1#



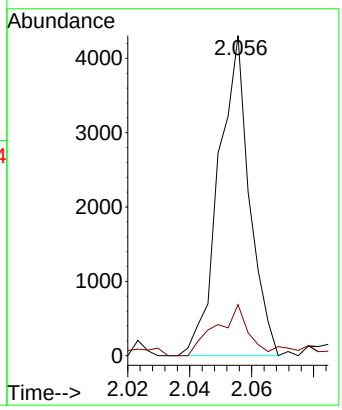


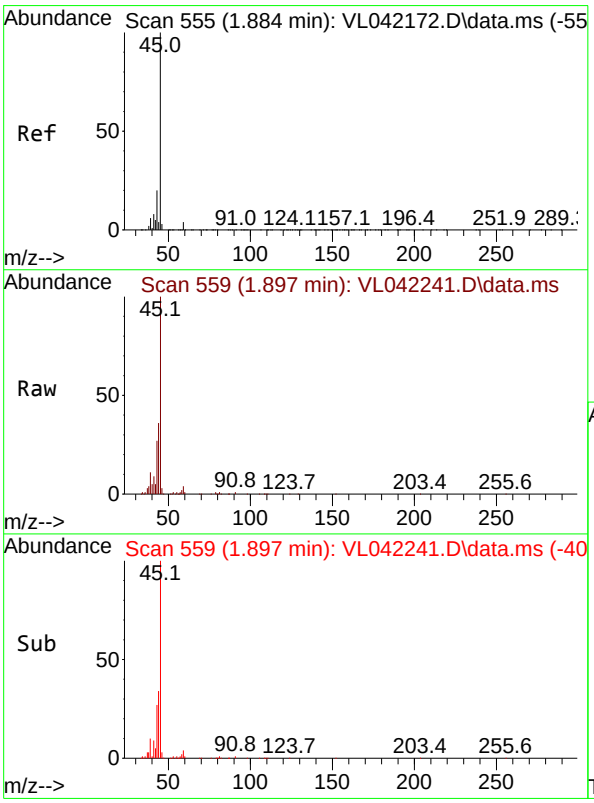
#17
tert-Butyl alcohol
Concen: 0.088 ppbv
RT: 2.056 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 59 Resp: 2967

Ion	Ratio	Lower	Upper
59	100		
57	24.3	8.9	13.3#

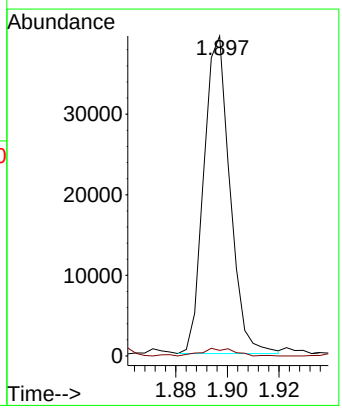


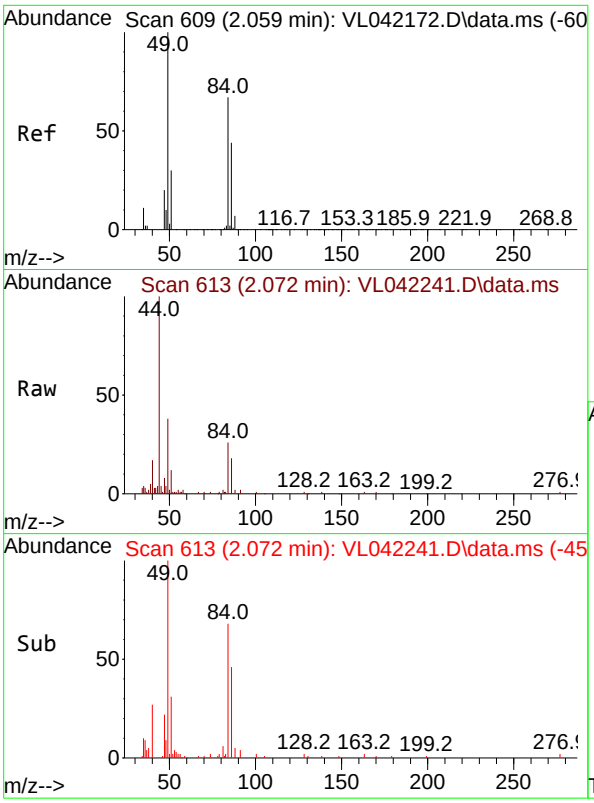


#19
Isopropyl Alcohol
Concen: 1.817 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 45 Resp: 27725

Ion	Ratio	Lower	Upper
45	100		
58	3.6	36.9	55.3#



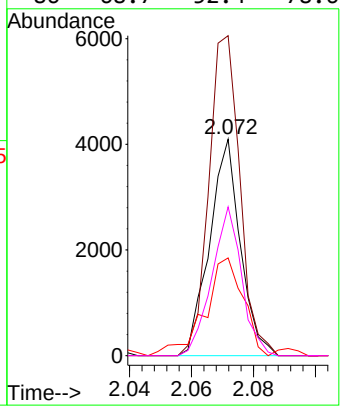


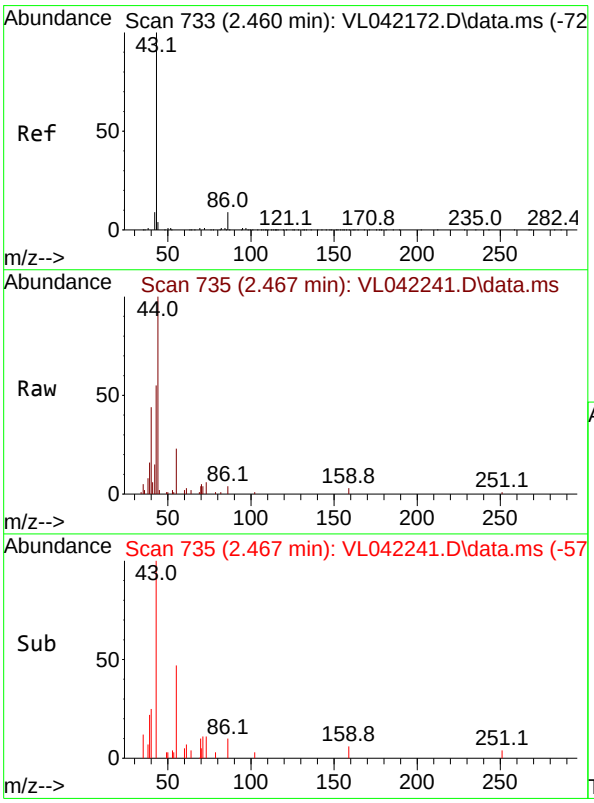
#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 2.072 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 84 Resp: 2831

Ion	Ratio	Lower	Upper
84	100		
49	147.8	120.2	180.4
51	42.5	37.4	56.0
86	68.7	52.4	78.6

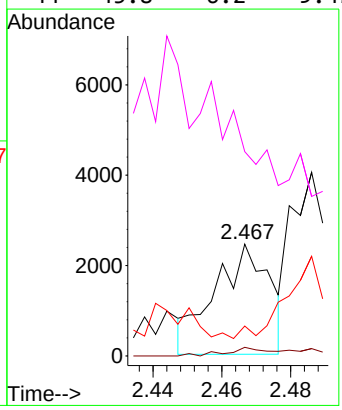


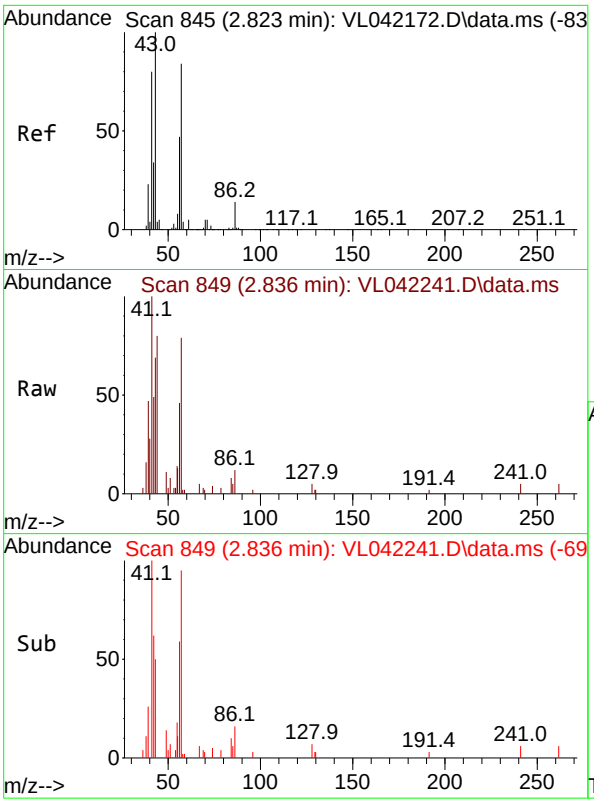


#23
Vinyl Acetate
Concen: 0.229 ppbv
RT: 2.467 min Scan# 735
Delta R.T. 0.006 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 43 Resp: 2686

Ion	Ratio	Lower	Upper
43	100		
86	11.6	5.5	8.3#
42	0.0	8.6	13.0#
44	45.8	6.2	9.4#



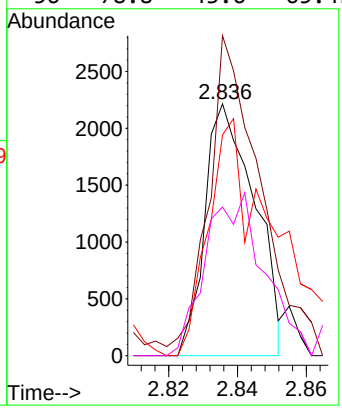


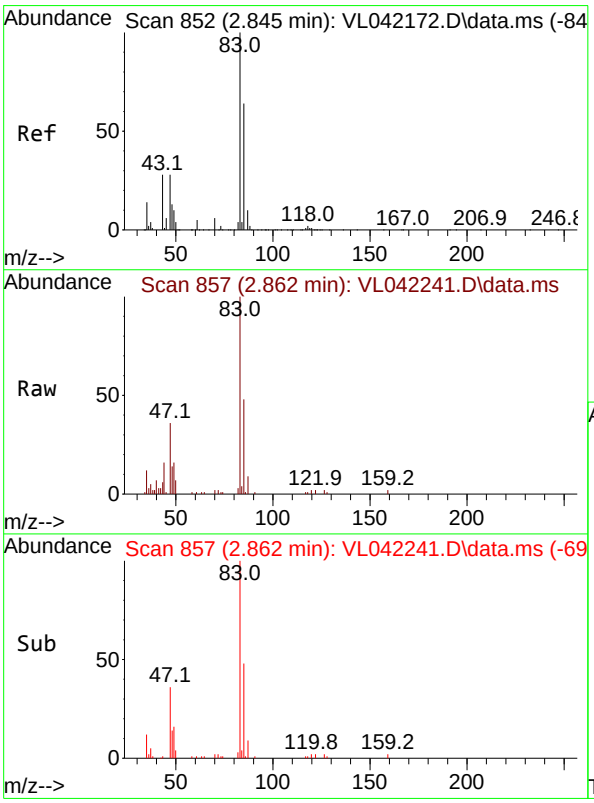
#26
Hexane
Concen: 0.082 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.013 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 57 Resp: 2231

Ion	Ratio	Lower	Upper
57	100		
41	141.8	76.6	114.8#
43	145.9	207.8	311.8#
56	78.8	43.6	65.4#

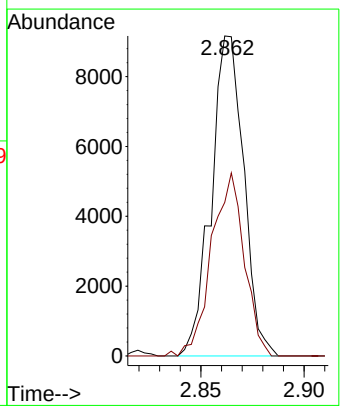


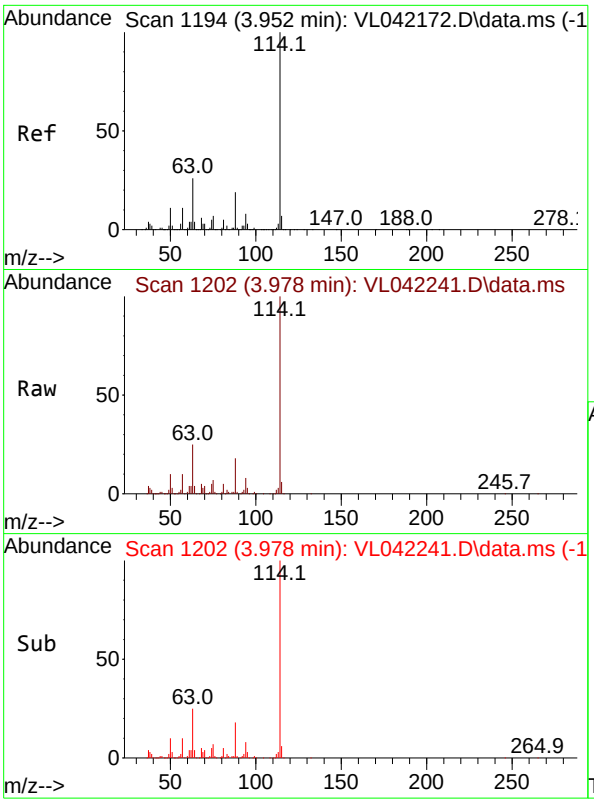


#29
Chloroform
Concen: 0.253 ppbv
RT: 2.862 min Scan# 857
Delta R.T. 0.016 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 83 Resp: 10048

Ion	Ratio	Lower	Upper
83	100		
85	48.0	51.4	77.2#



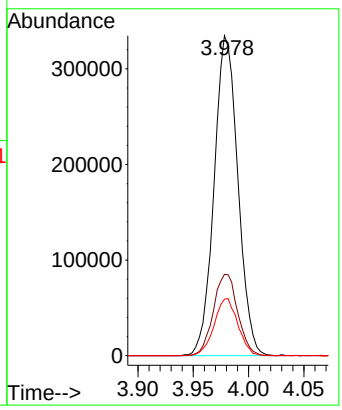


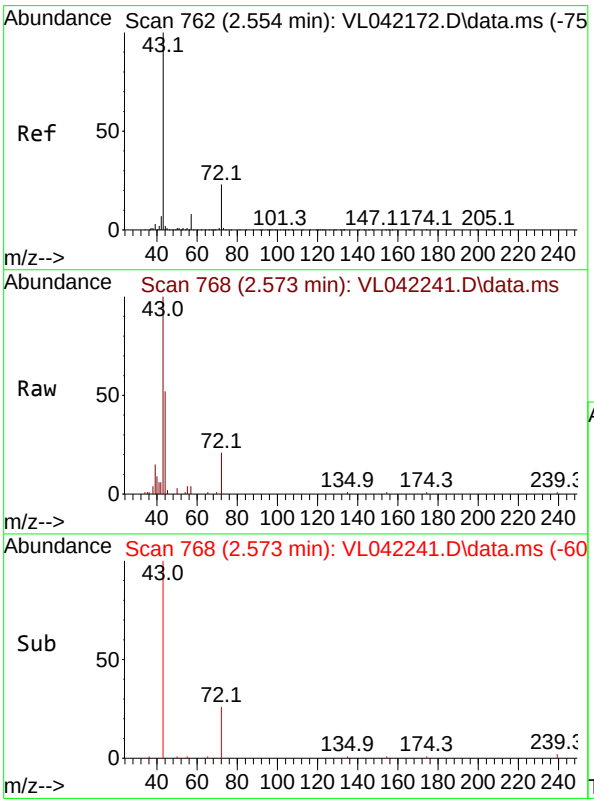
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion:114 Resp: 501287

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	17.8	15.0	22.4

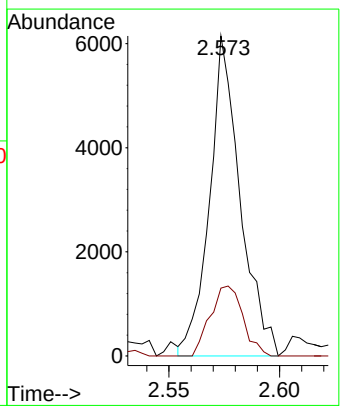


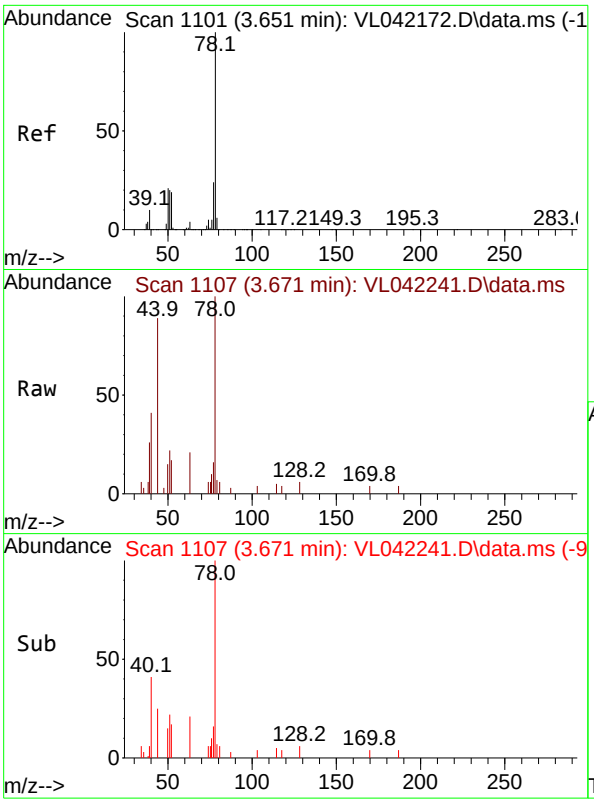


#34
2-Butanone
Concen: 0.163 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.019 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 43 Resp: 5926

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.2	27.2



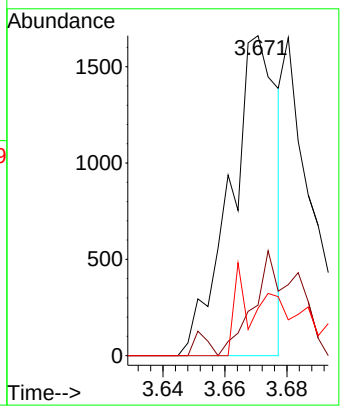


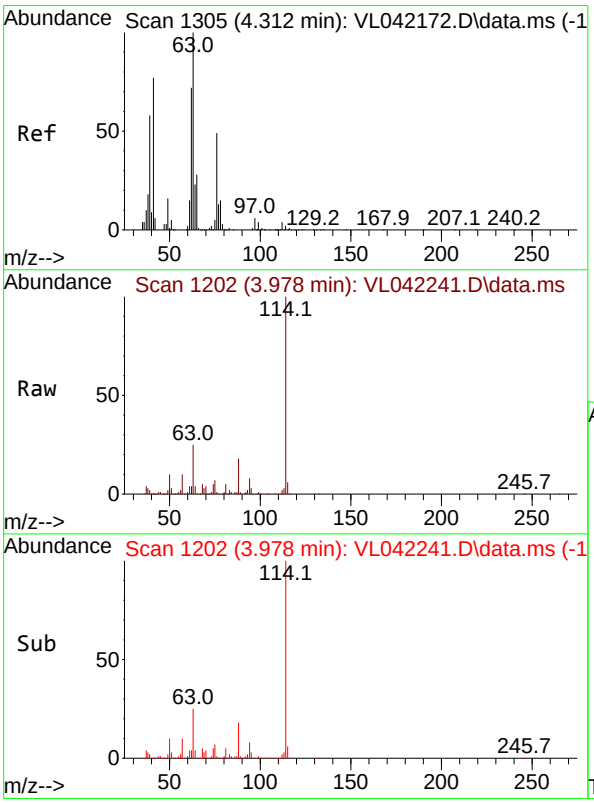
#36
Benzene
Concen: 0.035 ppbv
RT: 3.671 min Scan# 1
Delta R.T. 0.019 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 78 Resp: 1744

Ion	Ratio	Lower	Upper
78	100		
77	16.5	19.1	28.7#
50	15.5	16.6	24.8#

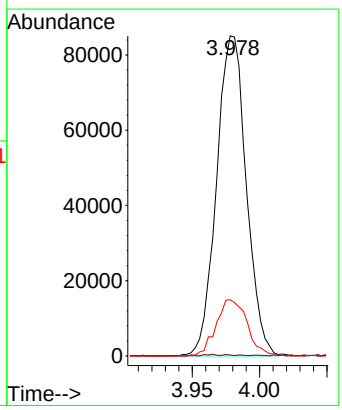


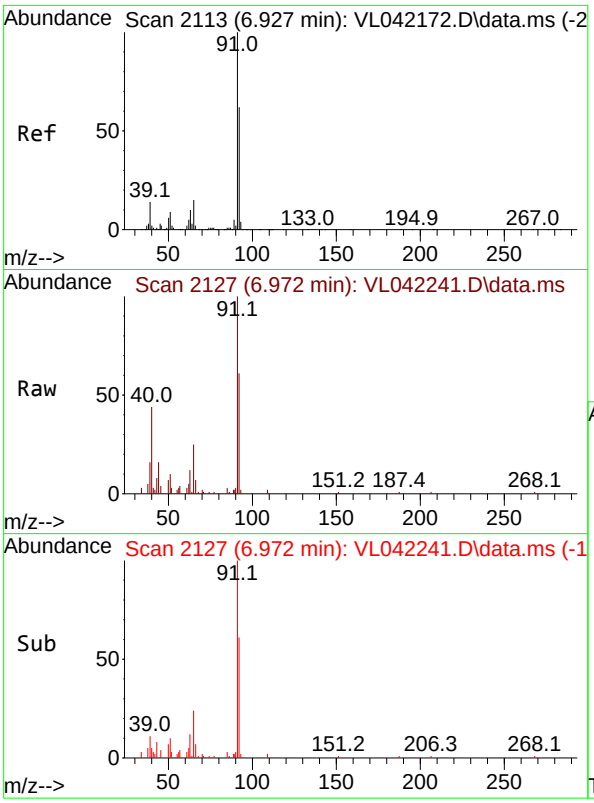


#39
1,2-Dichloropropane
Concen: 7.217 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.333 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 63 Resp: 130609

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.7	92.5#
62	17.6	57.6	86.4#



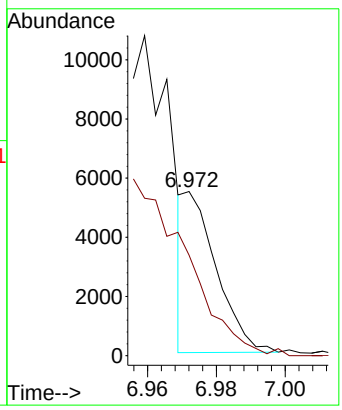


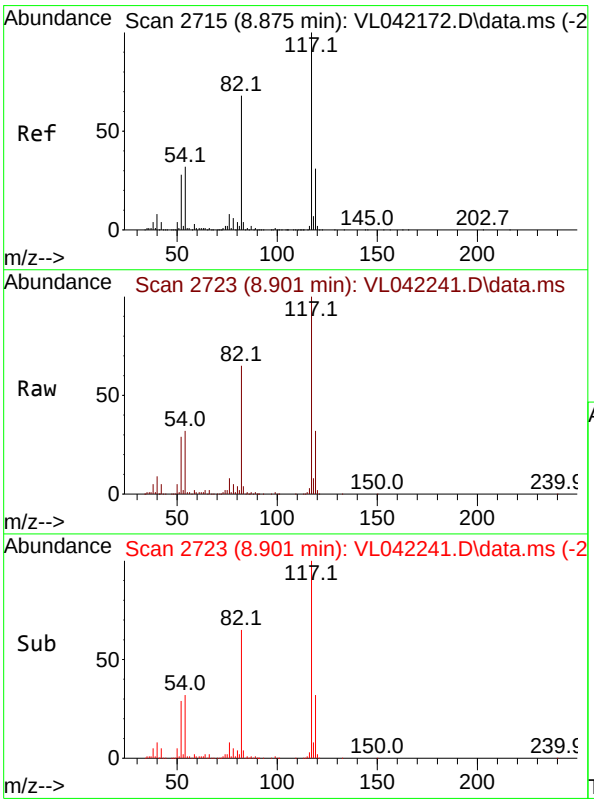
#53
Toluene
Concen: 0.060 ppbv
RT: 6.972 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 91 Resp: 3522

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#

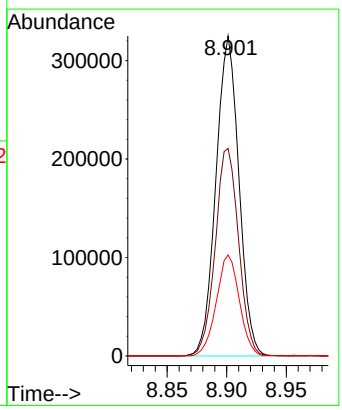


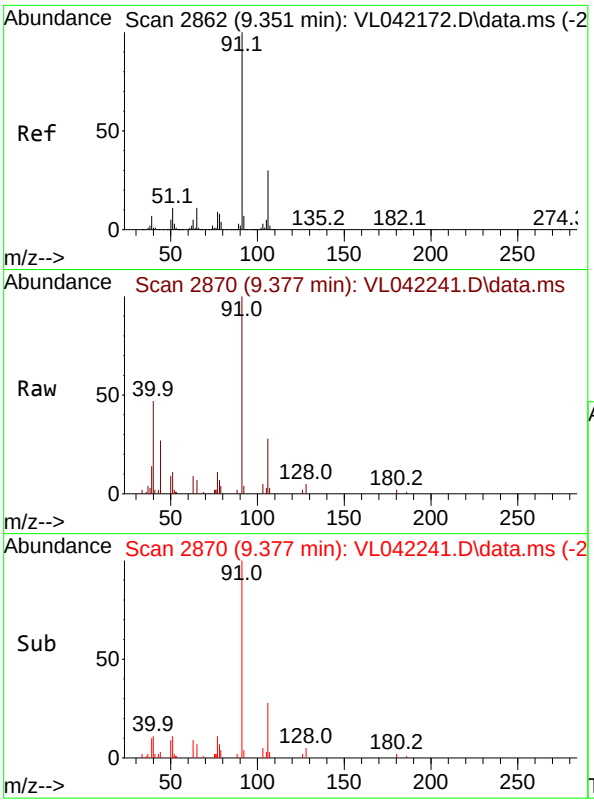


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.026 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion:117 Resp: 435889

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	31.6	25.5	38.3



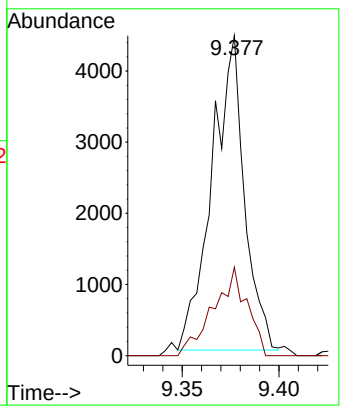


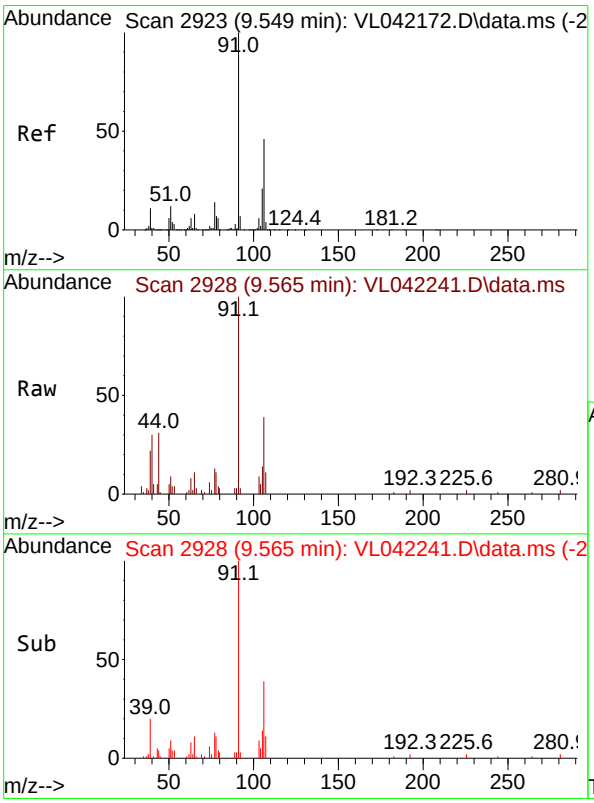
#58
Ethyl Benzene
Concen: 0.067 ppbv
RT: 9.377 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 91 Resp: 5155

Ion	Ratio	Lower	Upper
91	100		
106	28.2	24.2	36.2

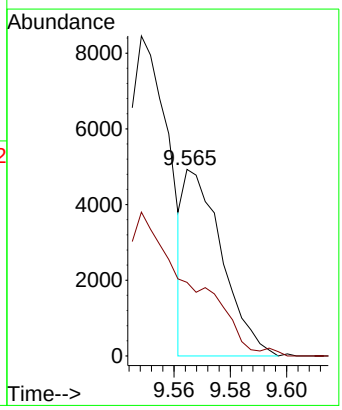


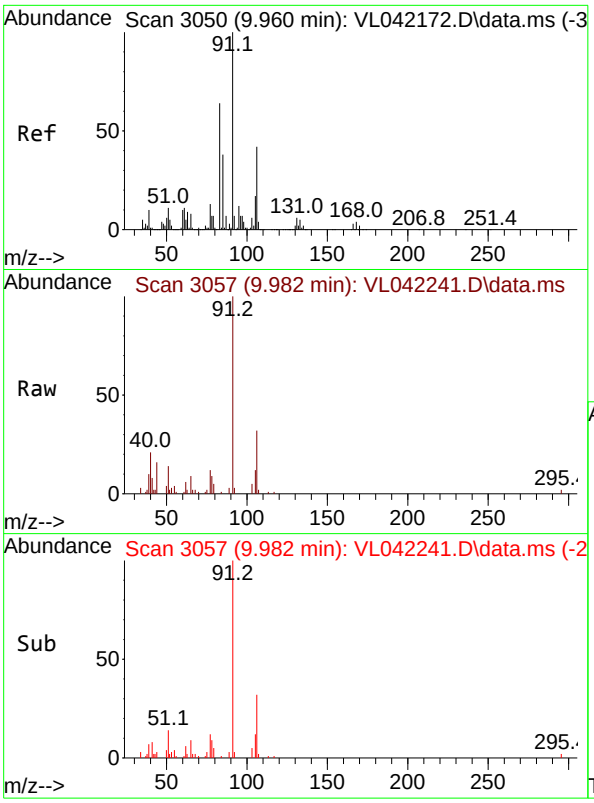


#59
m/p-Xylene
Concen: 0.075 ppbv
RT: 9.565 min Scan# 2928
Delta R.T. 0.016 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 91 Resp: 4633

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.4	54.6#



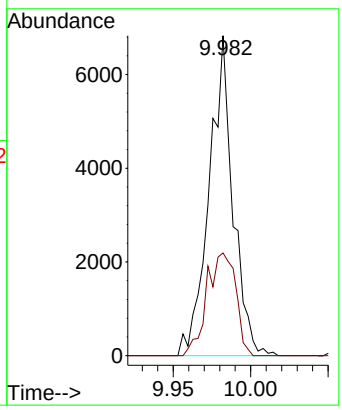


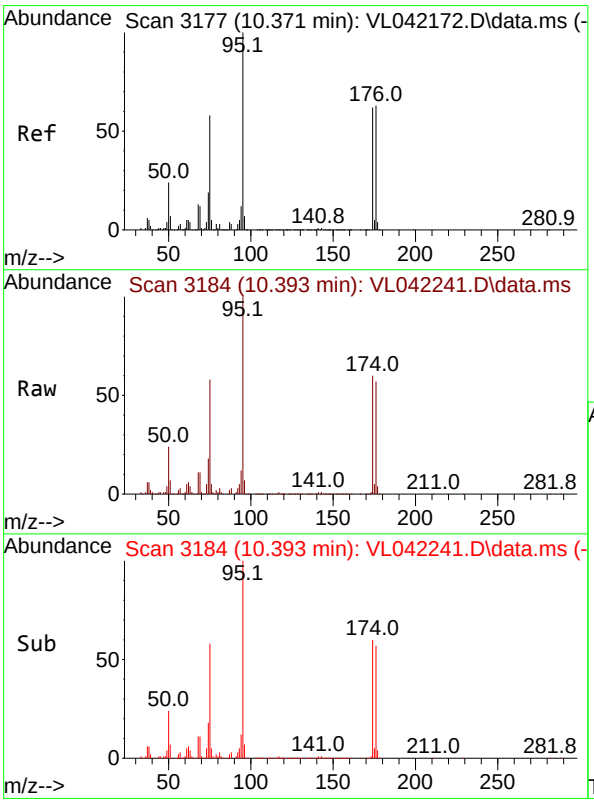
#60
o-Xylene
Concen: 0.118 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion: 91 Resp: 7313

Ion	Ratio	Lower	Upper
91	100		
106	39.0	20.8	62.5

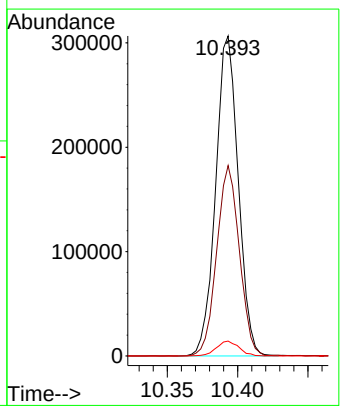


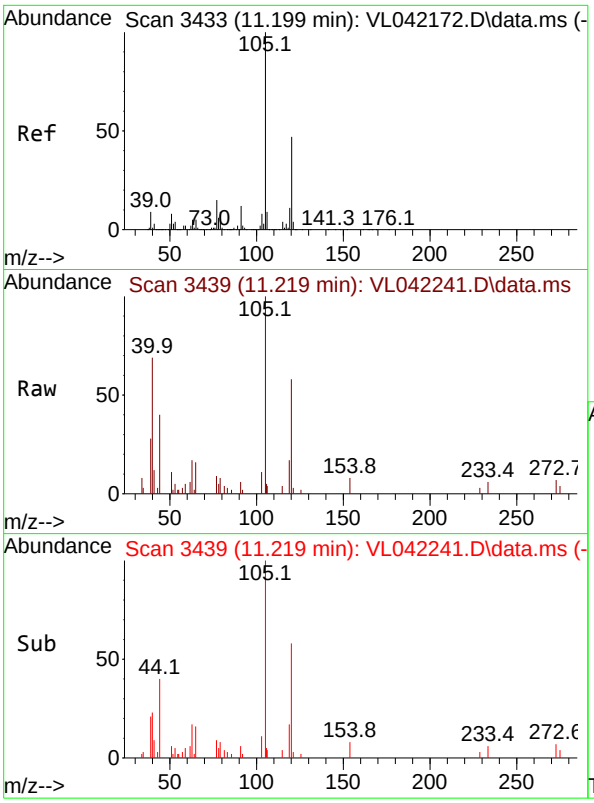


#68
1-Bromo-4-Fluorobenzene
Concen: 9.573 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion: 95 Resp: 342674

Ion	Ratio	Lower	Upper
95	100		
174	59.7	50.6	76.0
175	4.7	3.8	5.6



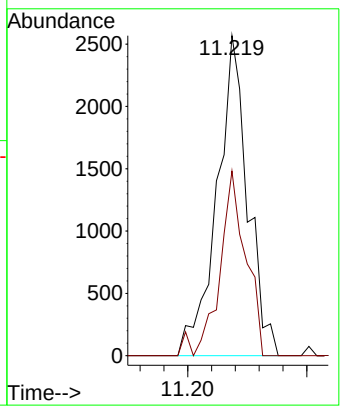


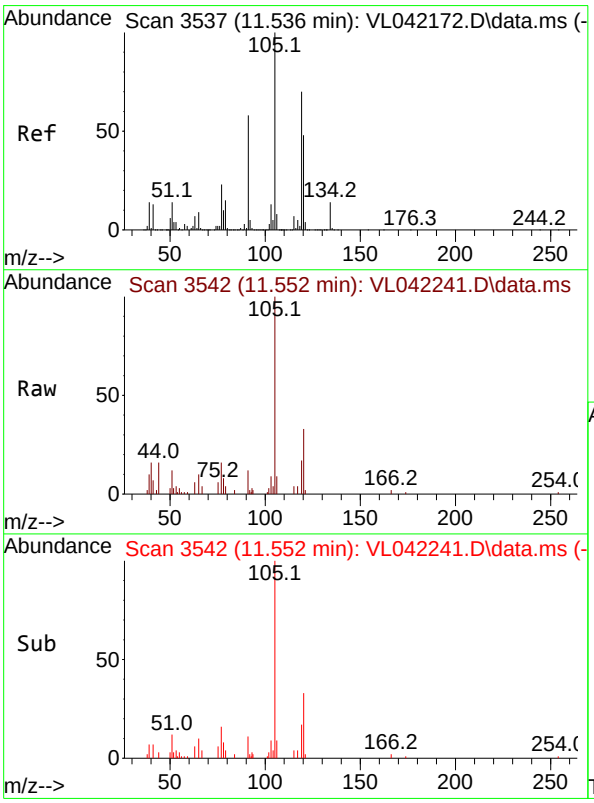
#73
1,3,5-Trimethylbenzene
Concen: 0.034 ppbv
RT: 11.219 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLITDL

Tgt Ion:105 Resp: 2306

Ion	Ratio	Lower	Upper
105	100		
120	55.1	37.4	56.0

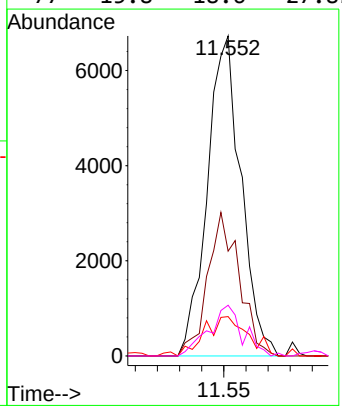




#74
1,2,4-Trimethylbenzene
Concen: 0.091 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042241.D
Acq: 07 Apr 2025 20:19

Tgt Ion:105 Resp: 7104

Ion	Ratio	Lower	Upper
105	100		
120	32.8	38.6	58.0#
91	12.3	46.2	69.2#
77	15.8	18.6	27.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042243.D
Acq On : 07 Apr 2025 21:38
Operator : SY/MD
Sample : Q1725-02DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Quant Time: Apr 08 01:36:39 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	2.810	49	196689	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	3.988	114	503068	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.911	117	430861	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.399	95	329790	9.321	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.200%			
Target Compounds						Qvalue
9) Propene	1.495	41	1609	0.118	ppbv	98
13) Ethanol	1.900	45	12074	9.393	ppbv #	27
15) Acetone	1.848	43	29249	1.063	ppbv	95
16) 1,3-Butadiene	1.609	39	1511	0.112	ppbv #	37
18) 1,1-Dichloroethene	2.052	96	464	0.043	ppbv #	40
19) Isopropyl Alcohol	1.900	45	12074	0.778	ppbv #	35
20) Methylene Chloride	2.078	84	1917	0.187	ppbv #	88
29) Chloroform	2.871	83	482007	11.943	ppbv	99
30) Cyclohexane	3.981	84	1101	0.046	ppbv #	1
35) Carbon Tetrachloride	3.793	117	2216	0.056	ppbv #	74
39) 1,2-Dichloropropane	3.988	63	130575	7.189	ppbv #	22

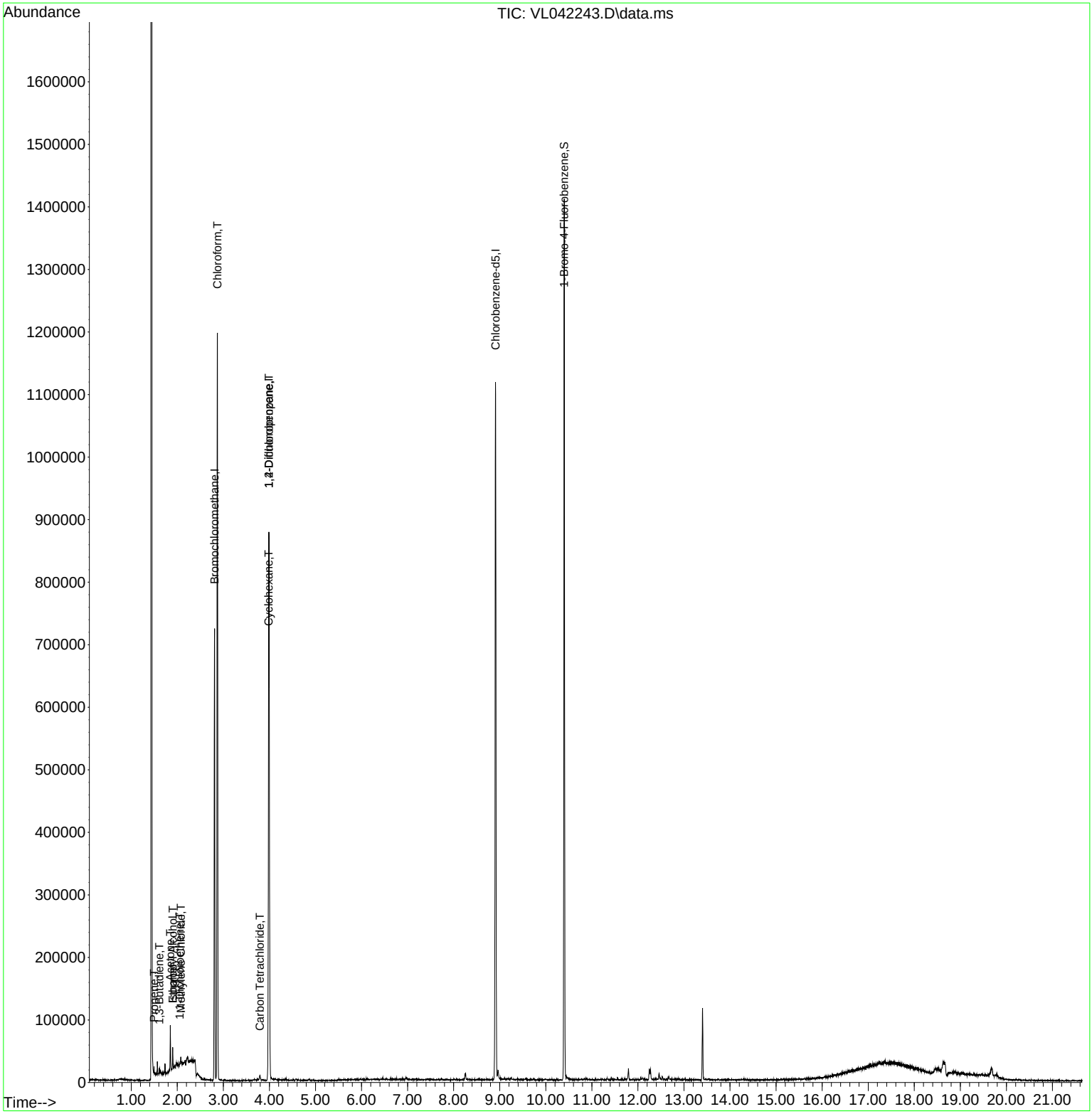
(#) = qualifier out of range (m) = manual integration (+) = signals summed

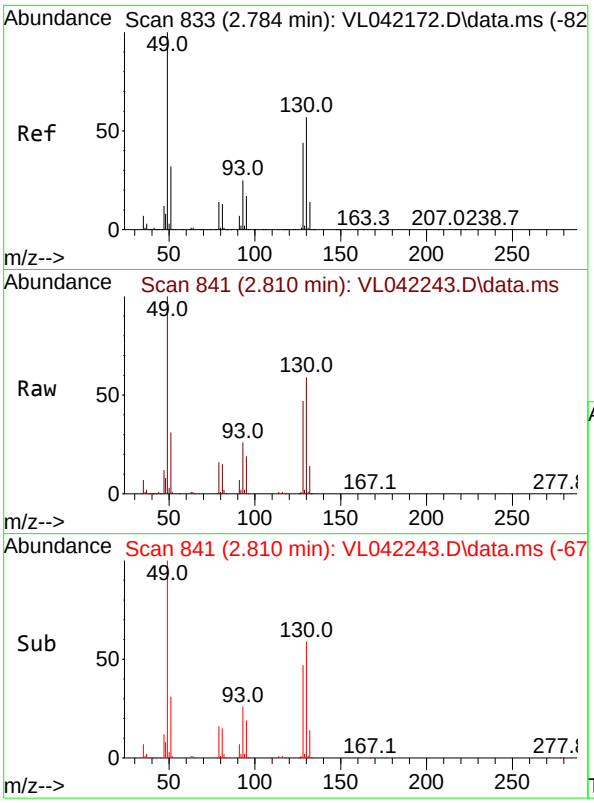
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042243.D
Acq On : 07 Apr 2025 21:38
Operator : SY/MD
Sample : Q1725-02DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Quant Time: Apr 08 01:36:39 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



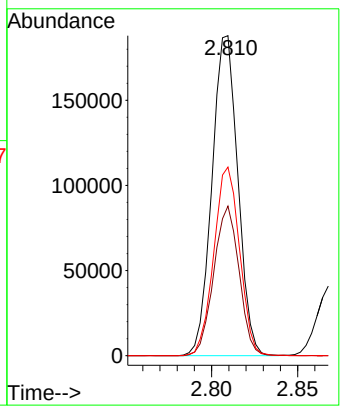


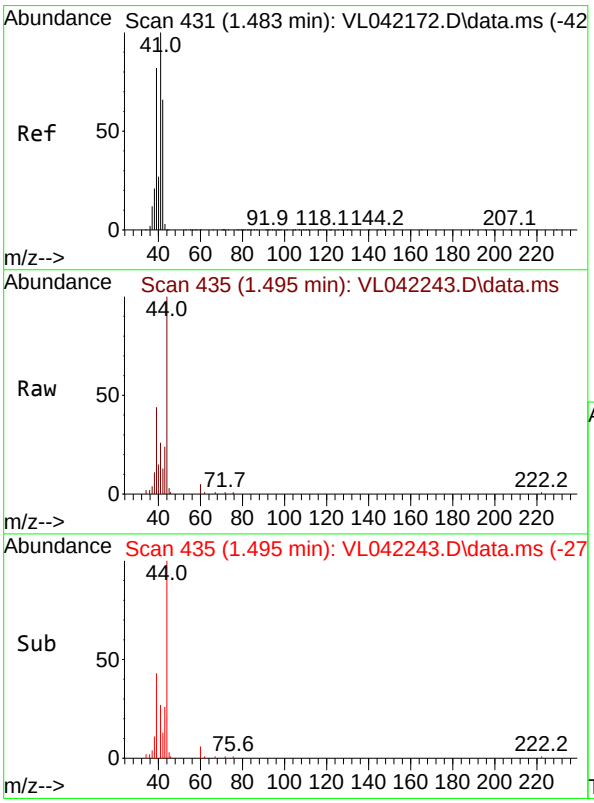
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 84
Delta R.T. 0.026 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion: 49 Resp: 196689

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	58.7	28.8	86.4

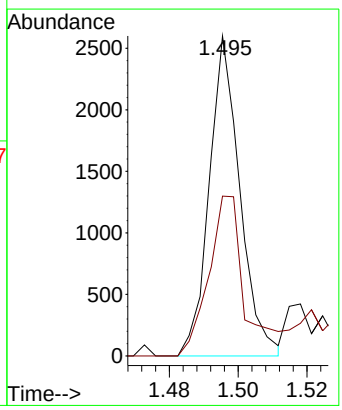


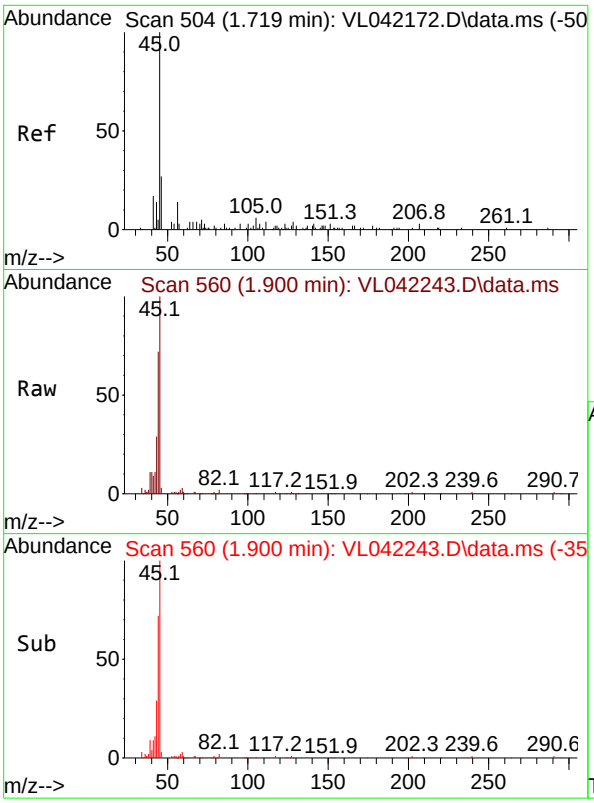


#9
Propene
Concen: 0.118 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 41 Resp: 1609

Ion	Ratio	Lower	Upper
41	100		
42	70.7	55.4	83.2



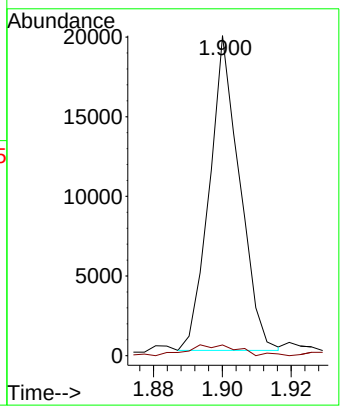


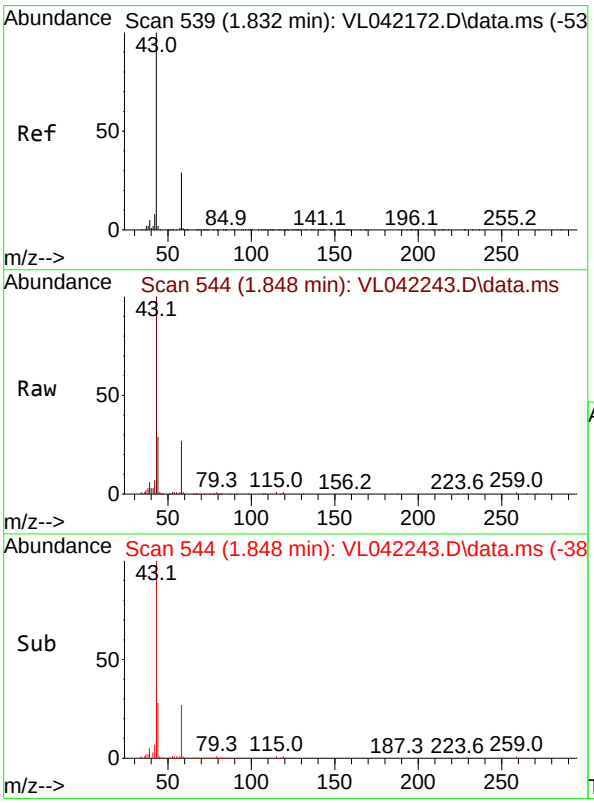
#13
Ethanol
Concen: 9.393 ppbv
RT: 1.900 min Scan# 5
Delta R.T. 0.181 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion: 45 Resp: 12074

Ion	Ratio	Lower	Upper
45	100		
46	0.0	20.2	80.8#

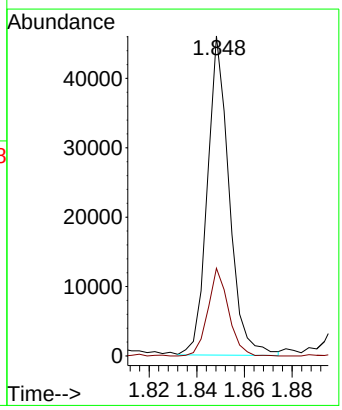


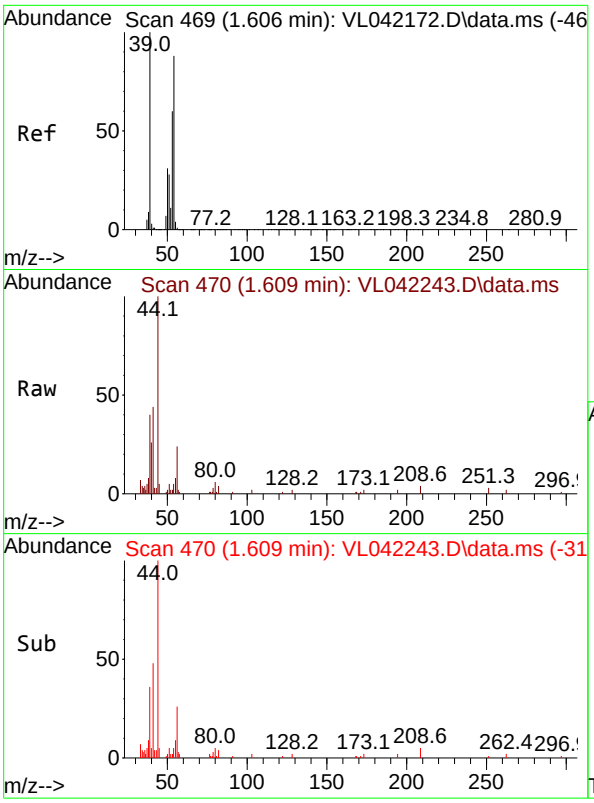


#15
Acetone
Concen: 1.063 ppbv
RT: 1.848 min Scan# 544
Delta R.T. 0.016 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 43 Resp: 29249

Ion	Ratio	Lower	Upper
43	100		
58	26.1	23.2	34.8



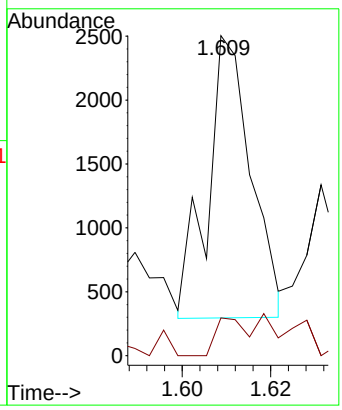


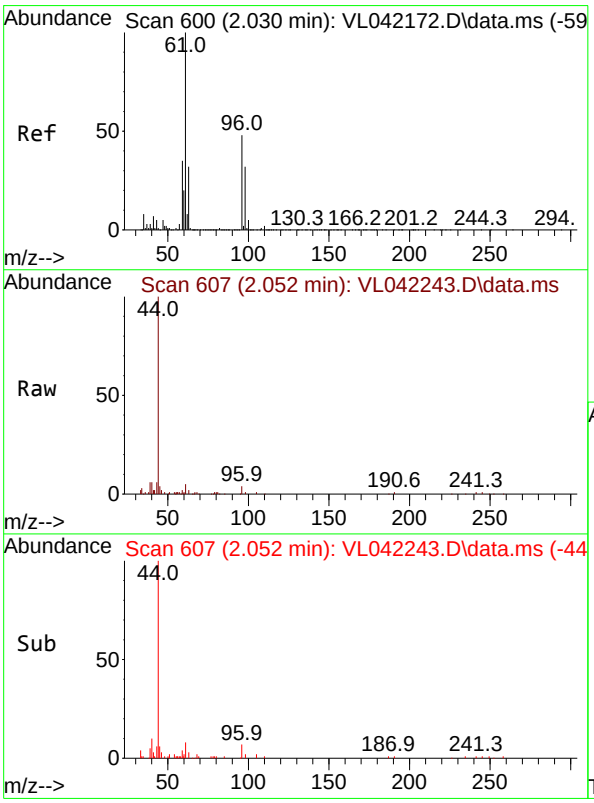
#16
1,3-Butadiene
Concen: 0.112 ppbv
RT: 1.609 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion: 39 Resp: 1511

Ion	Ratio	Lower	Upper
39	100		
54	21.6	60.7	91.1#

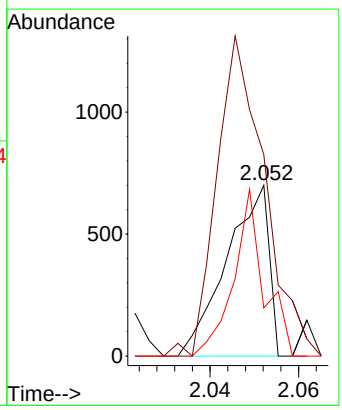


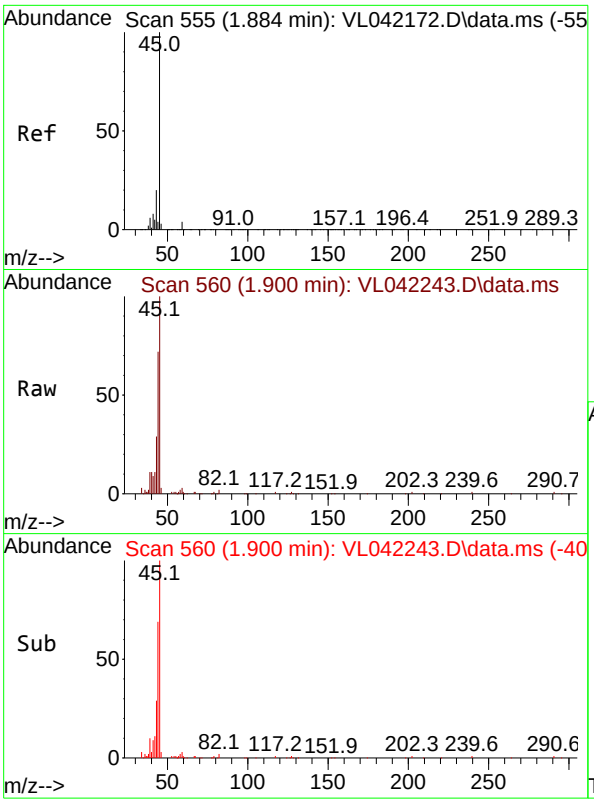


#18
1,1-Dichloroethene
Concen: 0.043 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.022 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 96 Resp: 464

Ion	Ratio	Lower	Upper
96	100		
61	110.6	167.6	251.4#
98	28.1	53.5	80.3#



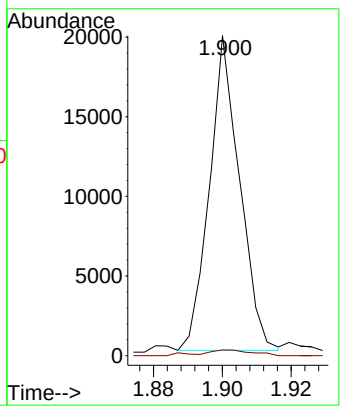


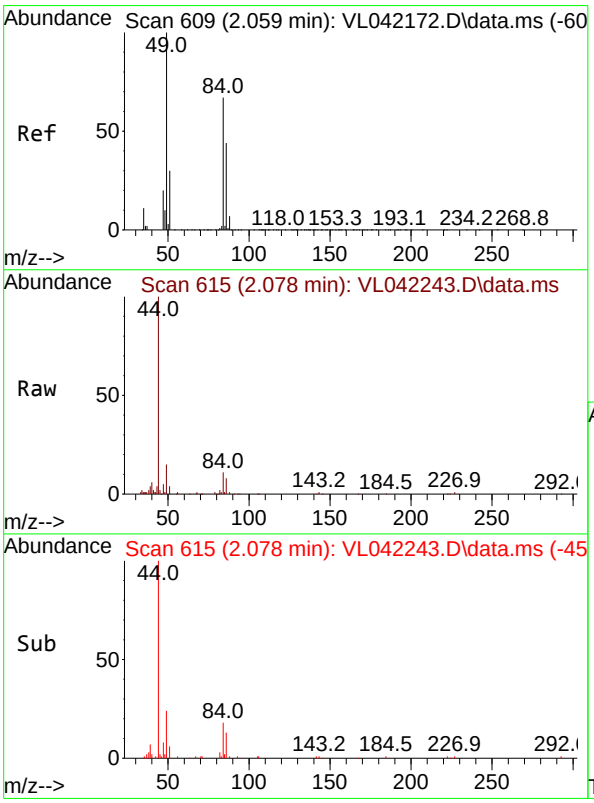
#19
Isopropyl Alcohol
Concen: 0.778 ppbv
RT: 1.900 min Scan# 5
Delta R.T. 0.016 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion: 45 Resp: 12074

Ion	Ratio	Lower	Upper
45	100		
58	3.0	36.9	55.3#

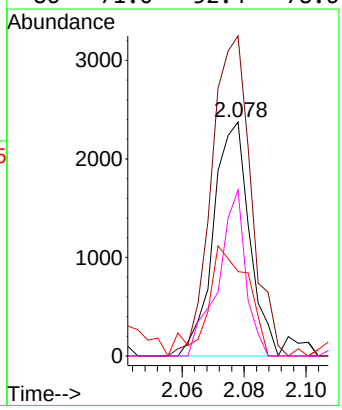


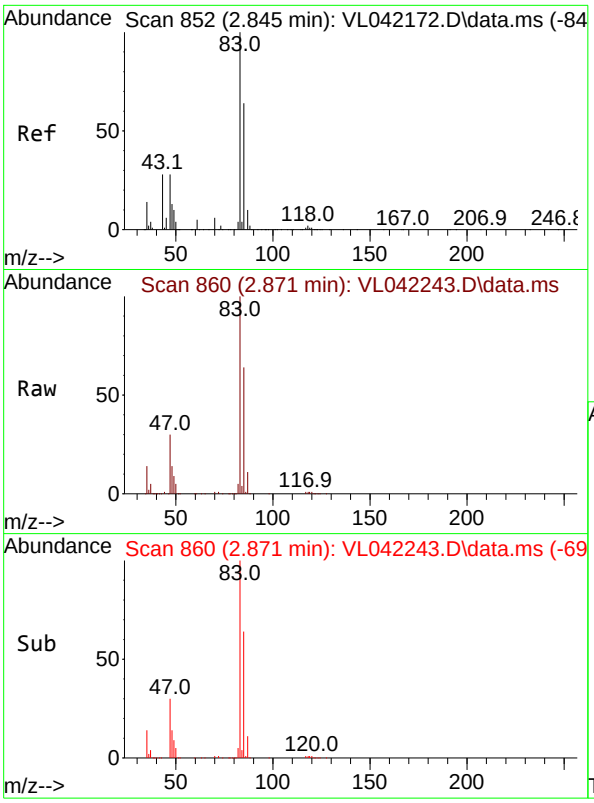


#20
Methylene Chloride
Concen: 0.187 ppbv
RT: 2.078 min Scan# 615
Delta R.T. 0.019 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 84 Resp: 1917

Ion	Ratio	Lower	Upper
84	100		
49	133.7	120.2	180.4
51	36.1	37.4	56.0#
86	71.0	52.4	78.6



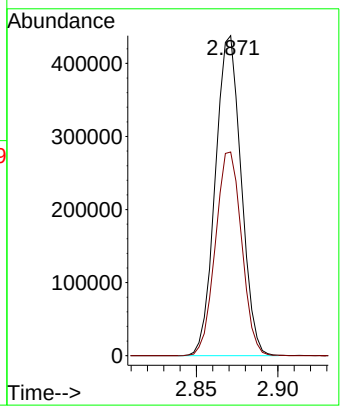


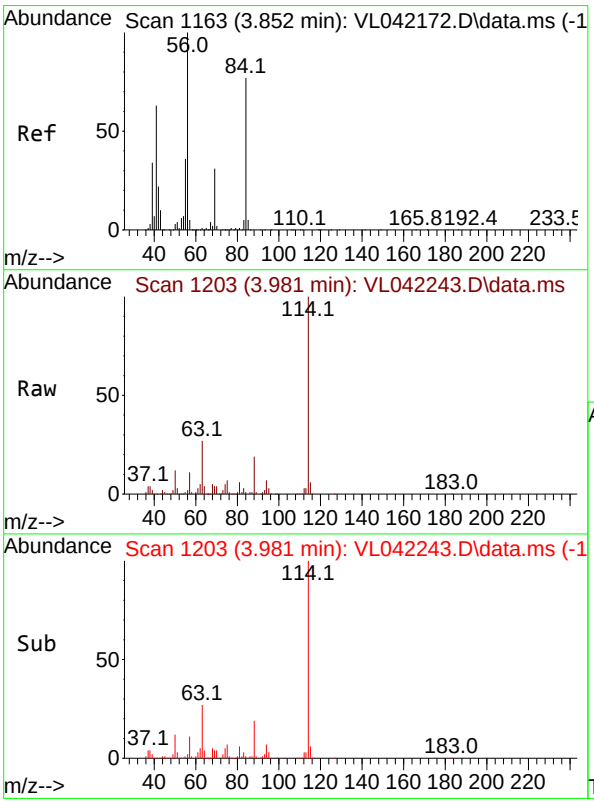
#29
Chloroform
Concen: 11.943 ppbv
RT: 2.871 min Scan# 8
Delta R.T. 0.026 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion: 83 Resp: 482007

Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2

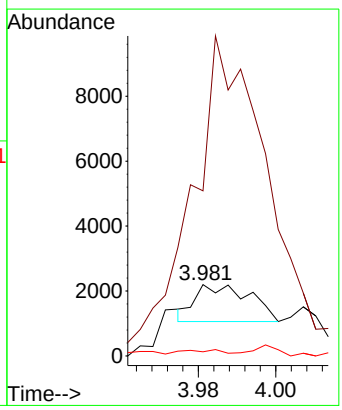


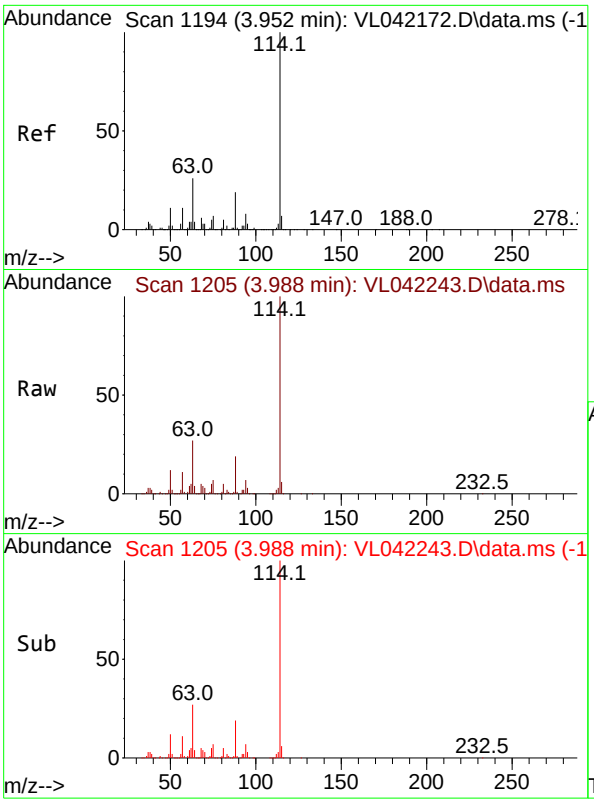


#30
Cyclohexane
Concen: 0.046 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. 0.129 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion: 84 Resp: 1101

Ion	Ratio	Lower	Upper
84	100		
56	1250.7	102.8	154.2#
41	5.1	66.5	99.7#



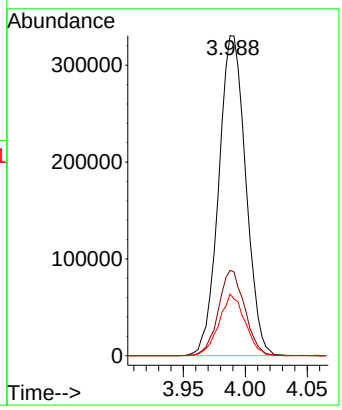


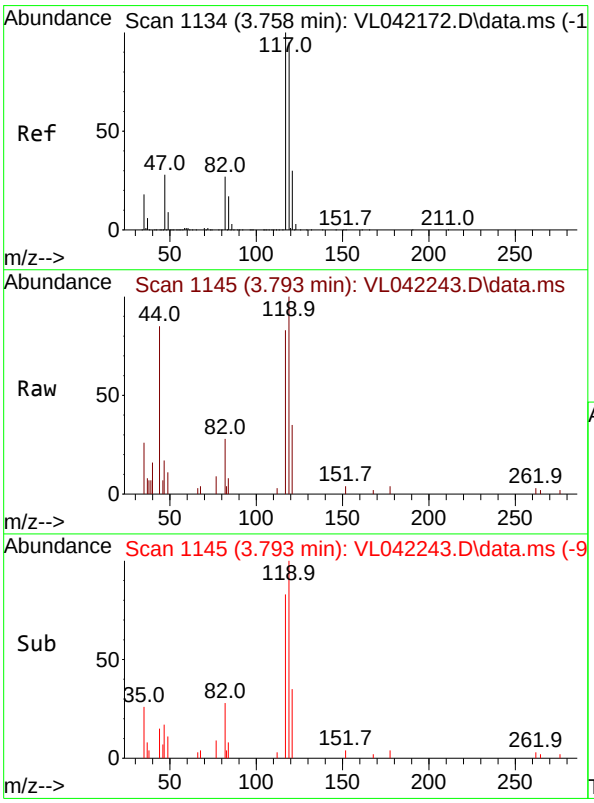
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1
Delta R.T. 0.035 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion:114 Resp: 503068

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	18.5	15.0	22.4

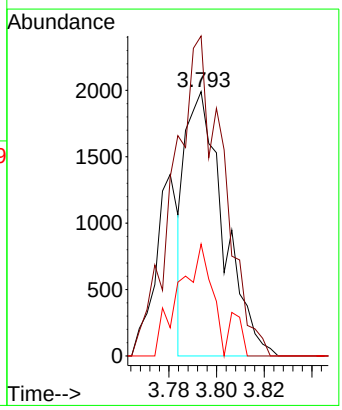


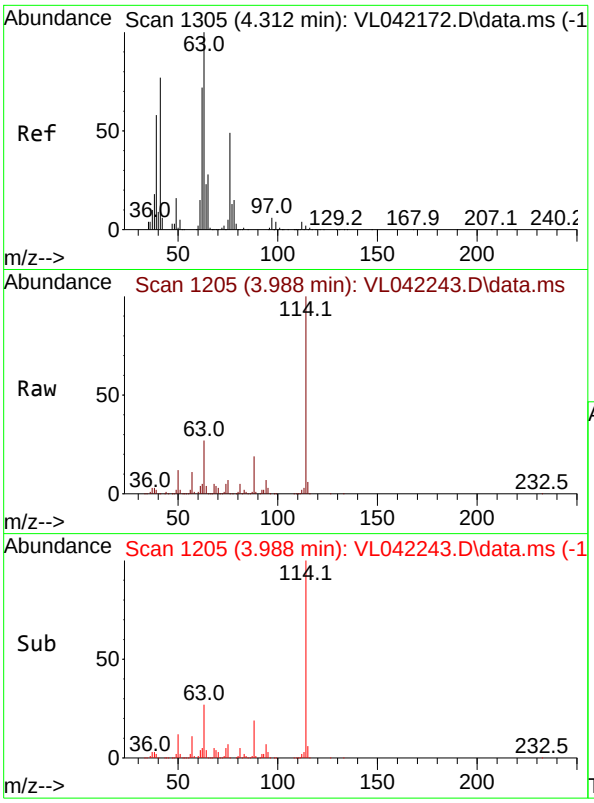


#35
Carbon Tetrachloride
Concen: 0.056 ppbv
RT: 3.793 min Scan# 1145
Delta R.T. 0.035 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion:117 Resp: 2216

Ion	Ratio	Lower	Upper
117	100		
119	121.0	76.2	114.2#
121	42.3	24.2	36.4#



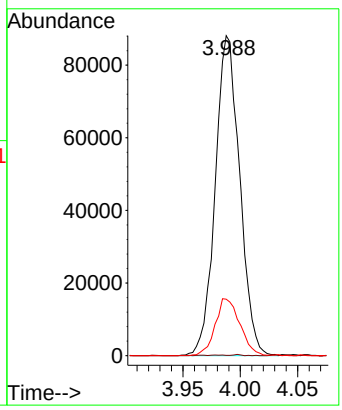


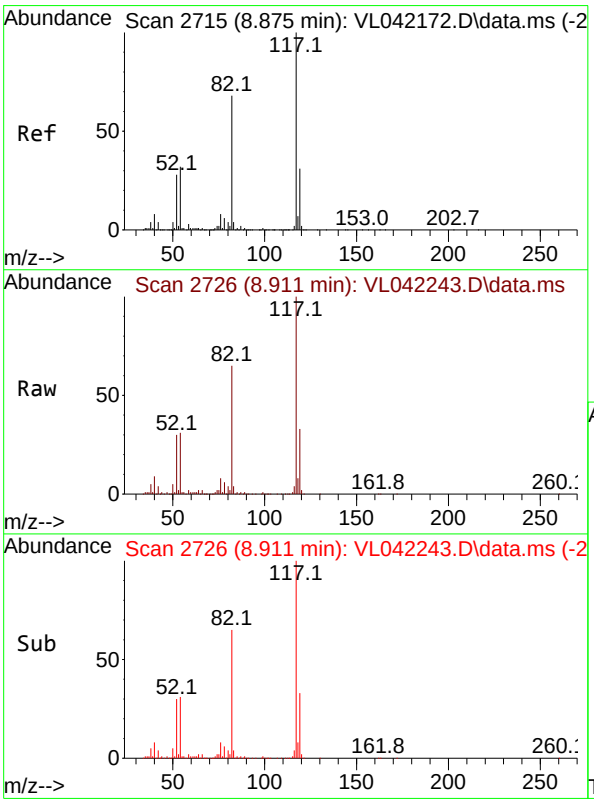
#39
1,2-Dichloropropane
Concen: 7.189 ppbv
RT: 3.988 min Scan# 1
Delta R.T. -0.324 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion: 63 Resp: 130575

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.7	92.5#
62	17.7	57.6	86.4#

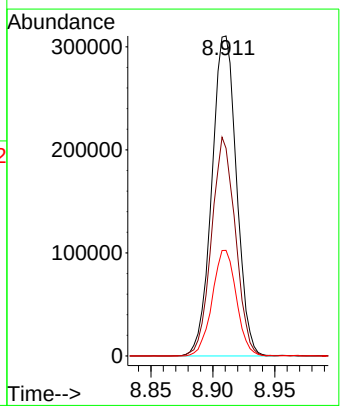


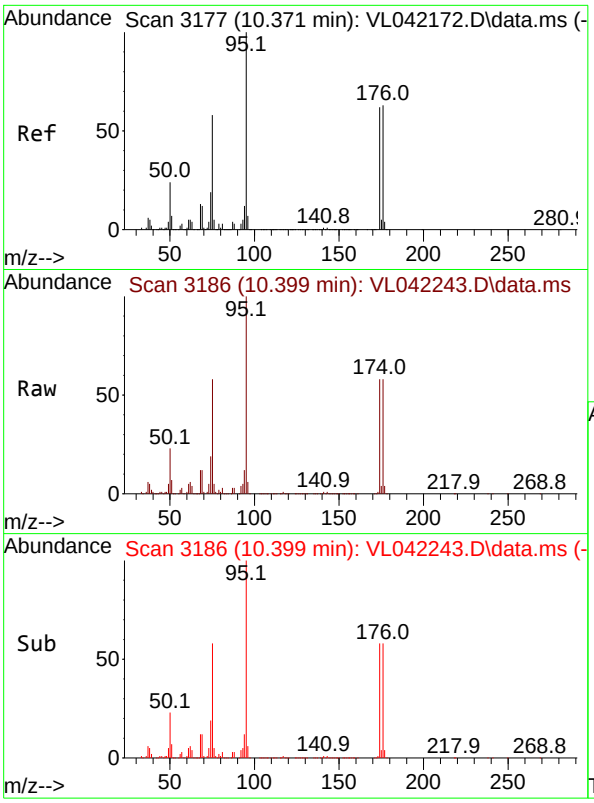


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. 0.035 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Tgt Ion:117 Resp: 430861

Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.8	83.6
119	32.6	25.5	38.3



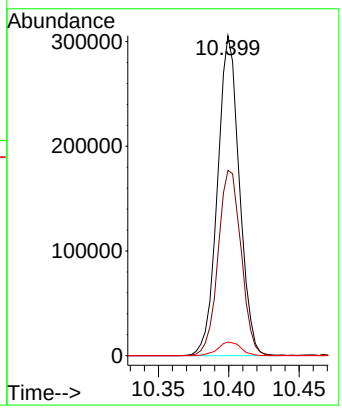


#68
1-Bromo-4-Fluorobenzene
Concen: 9.321 ppbv
RT: 10.399 min Scan# 3
Delta R.T. 0.029 min
Lab File: VL042243.D
Acq: 07 Apr 2025 21:38

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-4-04012025DL2

Tgt Ion: 95 Resp: 329790

Ion	Ratio	Lower	Upper
95	100		
174	61.3	50.6	76.0
175	4.5	3.8	5.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042244.D
Acq On : 07 Apr 2025 22:09
Operator : SY/MD
Sample : Q1725-03DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Quant Time: Apr 08 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 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	2.803	49	190938	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	485801	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	425989	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	345971	9.890	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	3344	0.119	ppbv #	85
3) Chlorodifluoromethane	1.483	51	3442	0.120	ppbv	98
4) Chloromethane	1.538	50	1532	0.133	ppbv	100
9) Propene	1.496	41	1795	0.136	ppbv	98
11) Trichlorofluoromethane	1.884	101	1573	0.057	ppbv	95
13) Ethanol	1.894	45	547602	438.823	ppbv #	30
15) Acetone	1.845	43	291841	10.929	ppbv	95
16) 1,3-Butadiene	1.612	39	2053	0.157	ppbv #	36
17) tert-Butyl alcohol	1.897	59	20558	0.618	ppbv	98
19) Isopropyl Alcohol	1.894	45	547602	36.345	ppbv #	32
20) Methylene Chloride	2.072	84	2917	0.293	ppbv #	82
21) Allyl Chloride	1.971	41	1379	0.073	ppbv #	22
23) Vinyl Acetate	2.483	43	648	0.056	ppbv #	1
29) Chloroform	2.865	83	4185	0.107	ppbv #	81
34) 2-Butanone	2.580	43	3751	0.106	ppbv	97
39) 1,2-Dichloropropane	3.985	63	125530	7.157	ppbv #	22
53) Toluene	6.972	91	3122	0.055	ppbv #	1
58) Ethyl Benzene	9.374	91	19351	0.256	ppbv	98
59) m/p-Xylene	9.555	91	63265	1.047	ppbv	100
60) o-Xylene	9.985	91	12718	0.210	ppbv	94
61) Styrene	9.888	104	2020	0.067	ppbv	97

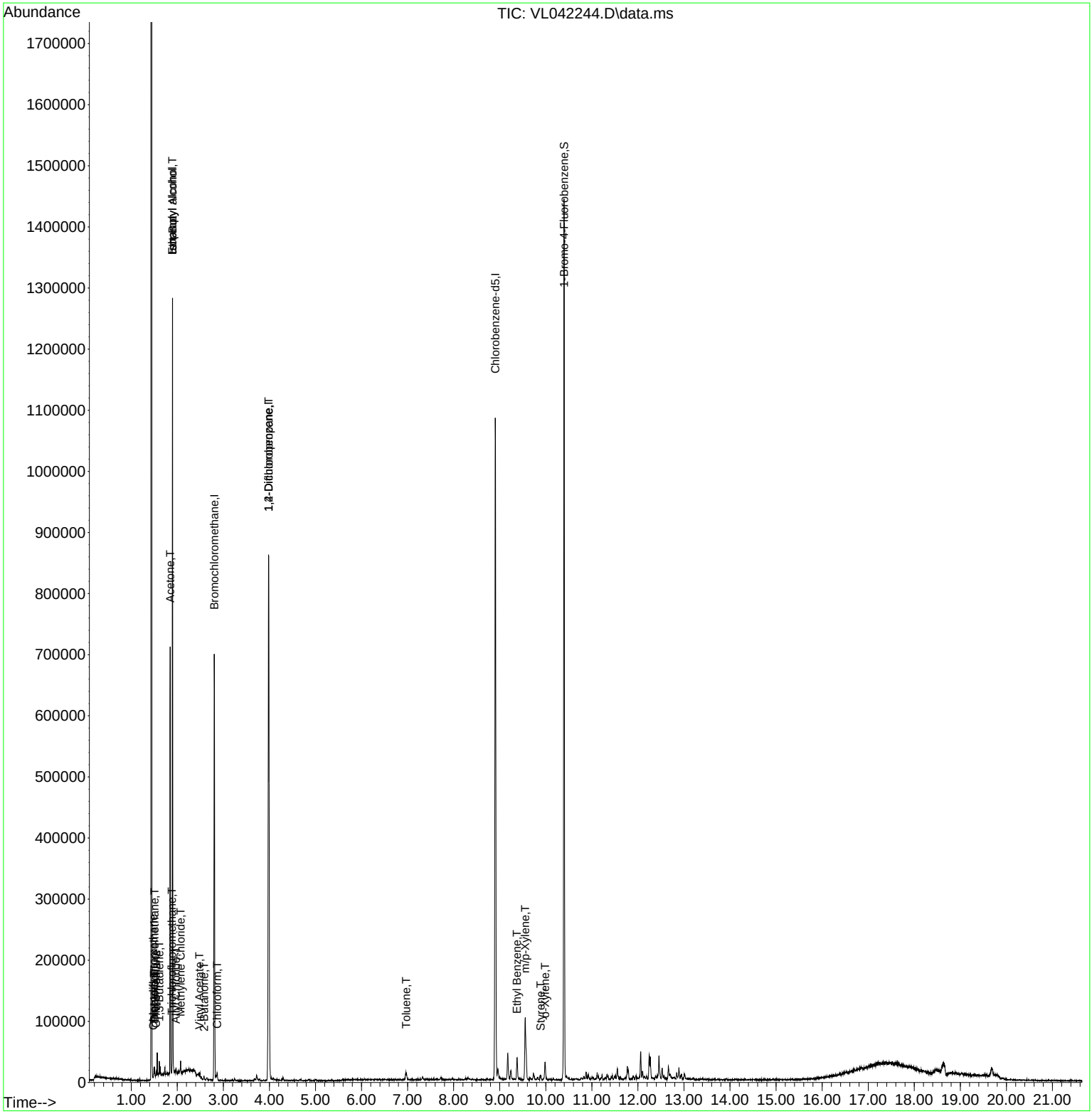
(#) = qualifier out of range (m) = manual integration (+) = signals summed

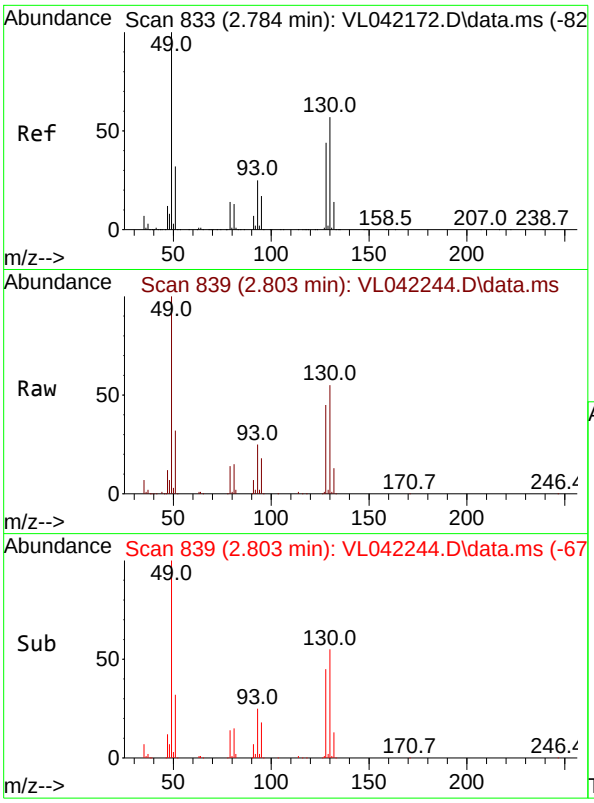
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042244.D
Acq On : 07 Apr 2025 22:09
Operator : SY/MD
Sample : Q1725-03DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Quant Time: Apr 08 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 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration



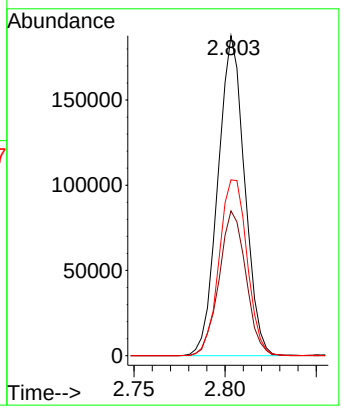


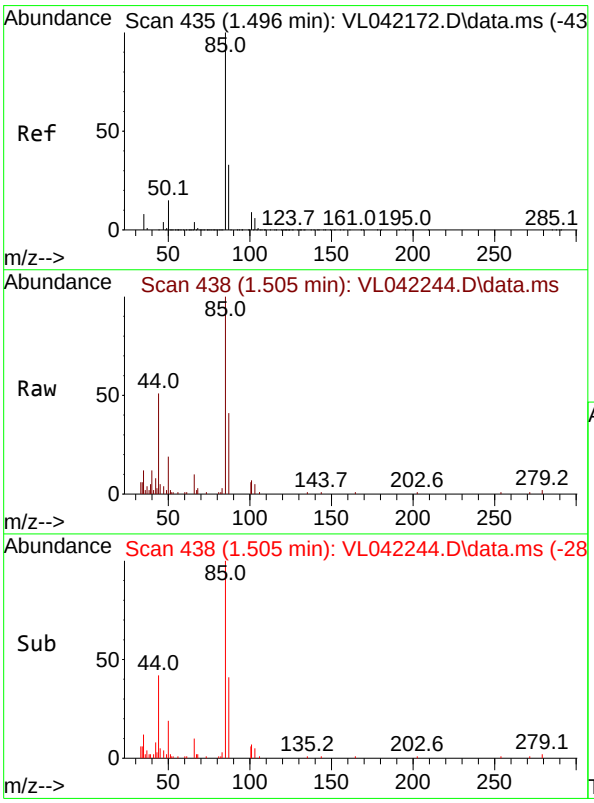
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 49 Resp: 190938

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.9	68.5
130	57.8	28.8	86.4

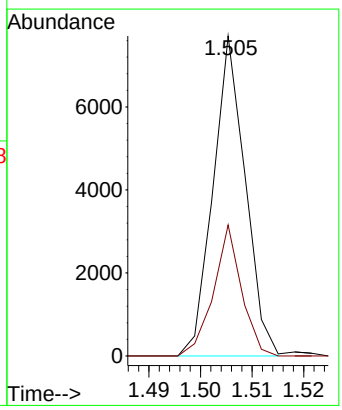


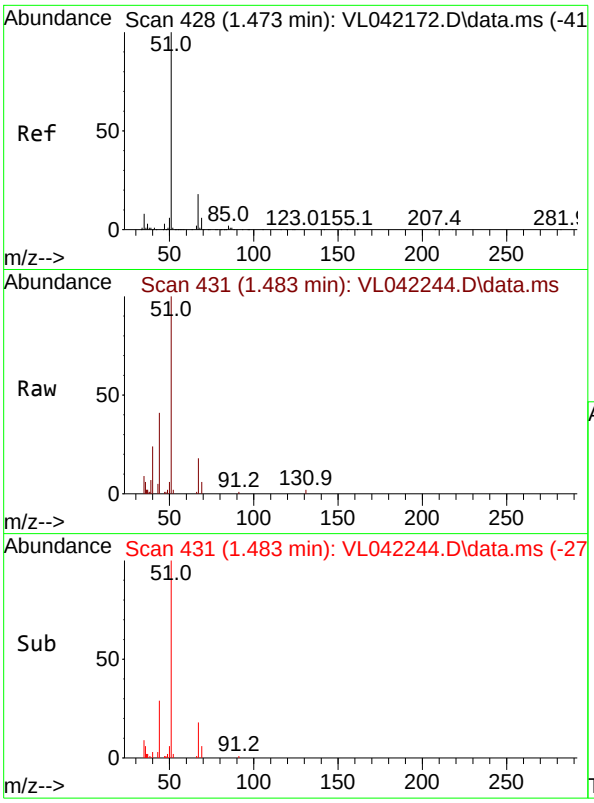


#2
Dichlorodifluoromethane
Concen: 0.119 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 85 Resp: 3344

Ion	Ratio	Lower	Upper
85	100		
87	41.0	26.1	39.1#



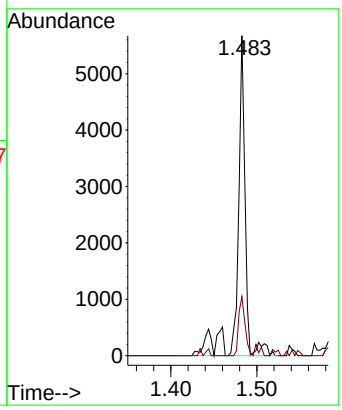


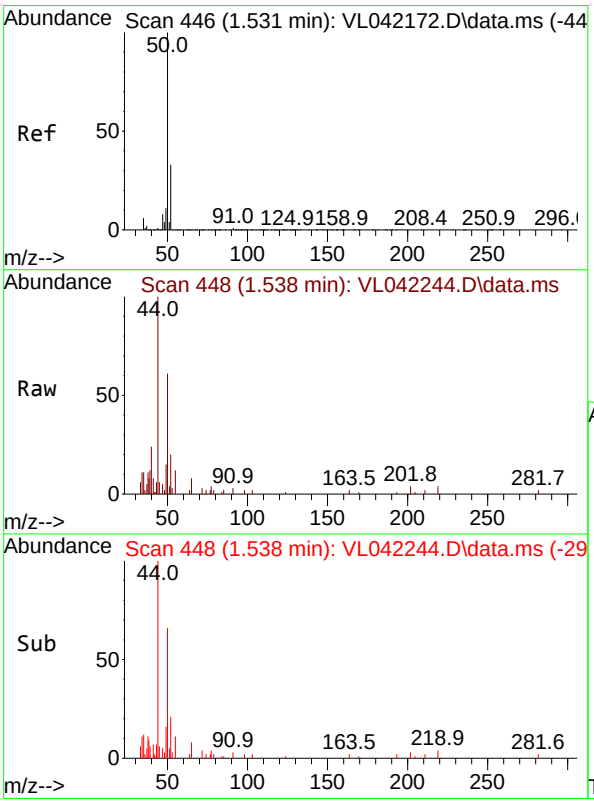
#3
Chlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 51 Resp: 3442

Ion	Ratio	Lower	Upper
51	100		
67	18.0	15.0	22.6

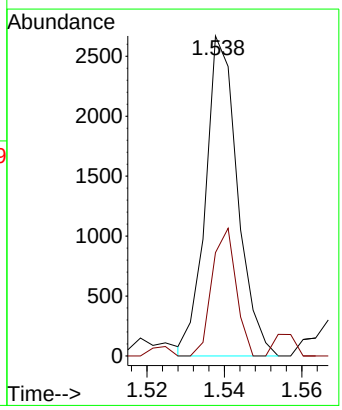


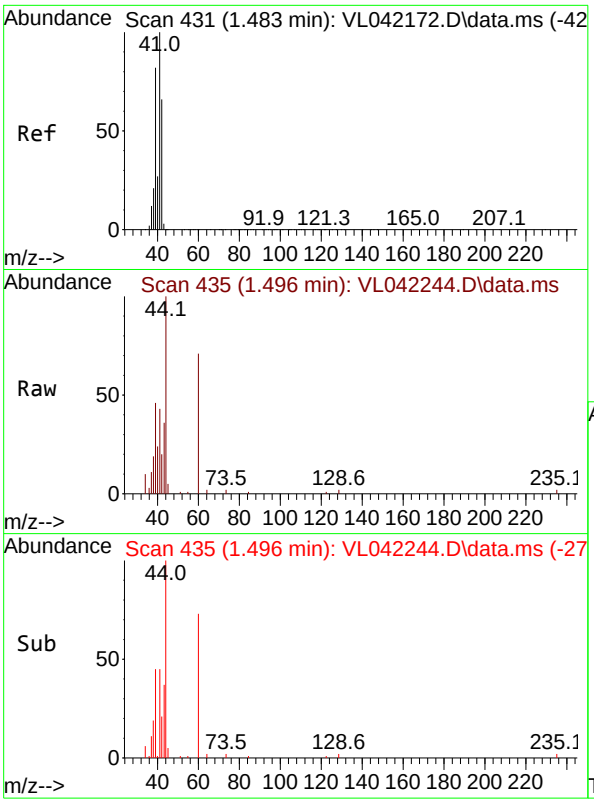


#4
Chloromethane
Concen: 0.133 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 50 Resp: 1532

Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.1	39.1



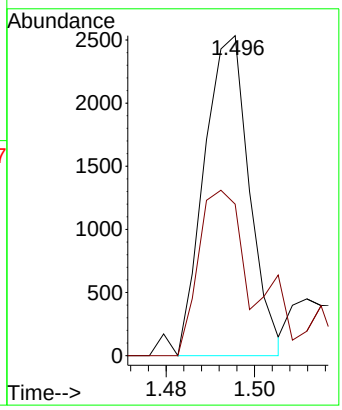


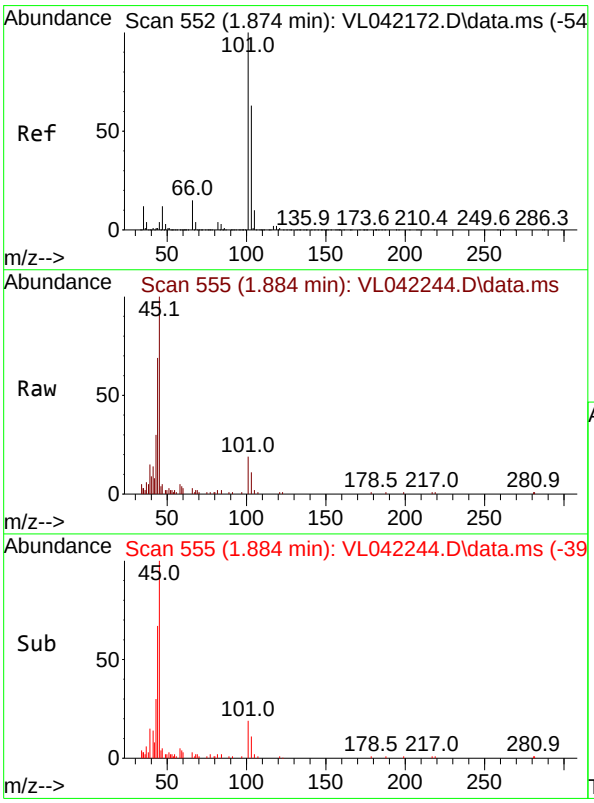
#9
Propene
Concen: 0.136 ppbv
RT: 1.496 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 41 Resp: 1795

Ion	Ratio	Lower	Upper
41	100		
42	71.2	55.4	83.2

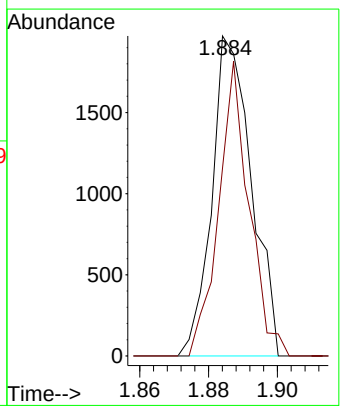


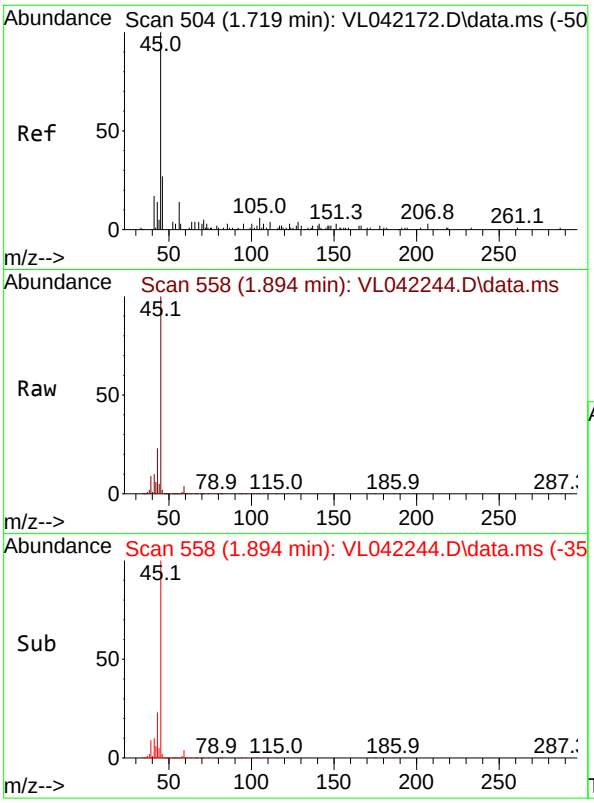


#11
Trichlorofluoromethane
Concen: 0.057 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.010 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion:101 Resp: 1573

Ion	Ratio	Lower	Upper
101	100		
103	58.7	50.2	75.2



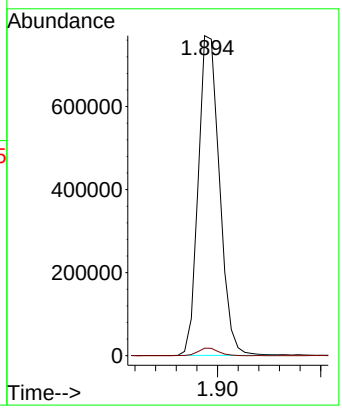


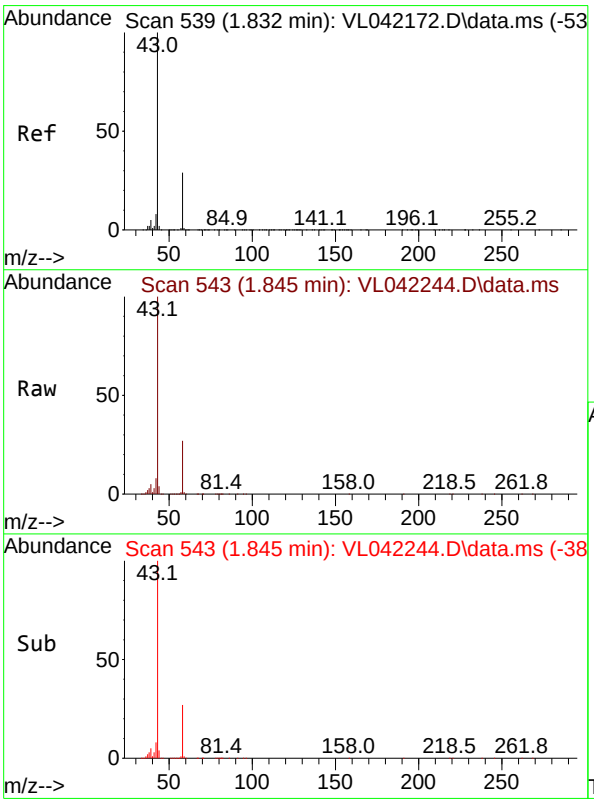
#13
Ethanol
Concen: 438.823 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.175 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 45 Resp: 547602

Ion	Ratio	Lower	Upper
45	100		
46	2.3	20.2	80.8#

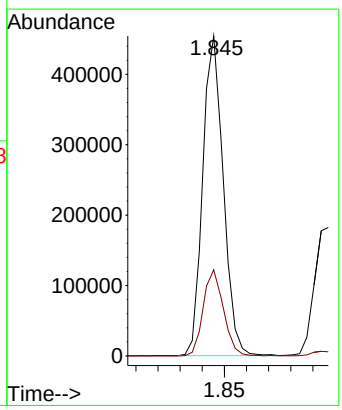


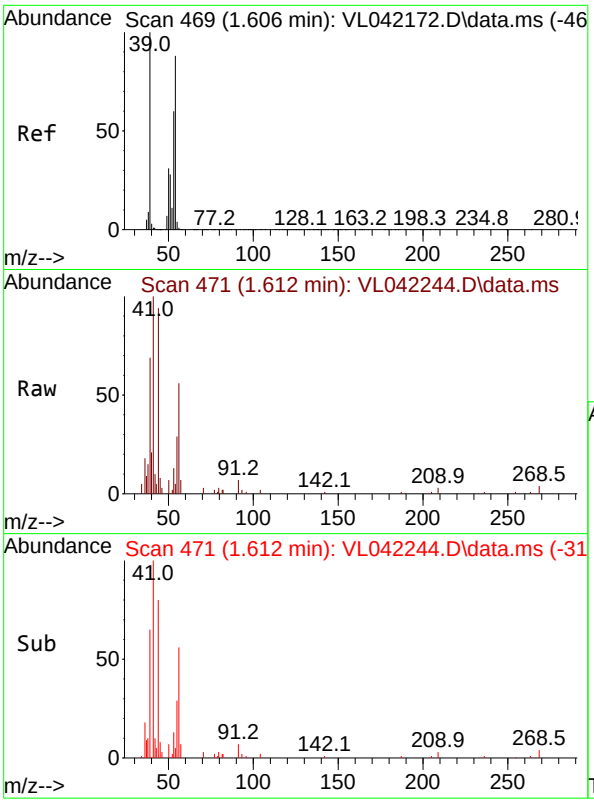


#15
Acetone
Concen: 10.929 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 43 Resp: 291841

Ion	Ratio	Lower	Upper
43	100		
58	26.6	23.2	34.8



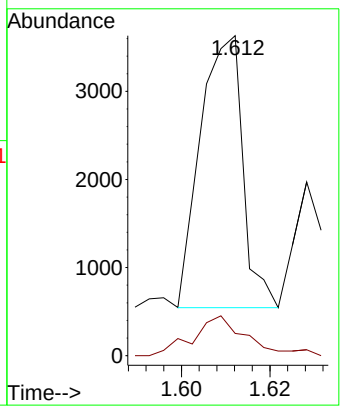


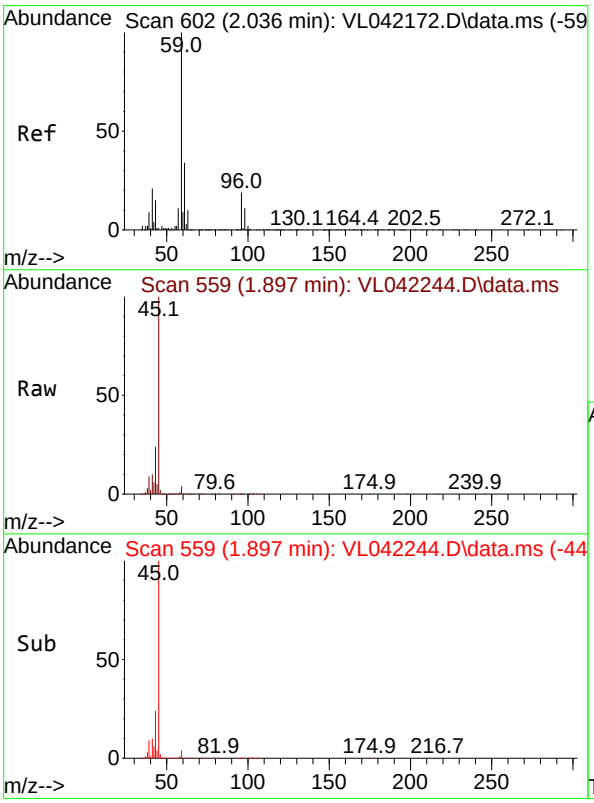
#16
1,3-Butadiene
Concen: 0.157 ppbv
RT: 1.612 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 39 Resp: 2053

Ion	Ratio	Lower	Upper
39	100		
54	20.9	60.7	91.1#

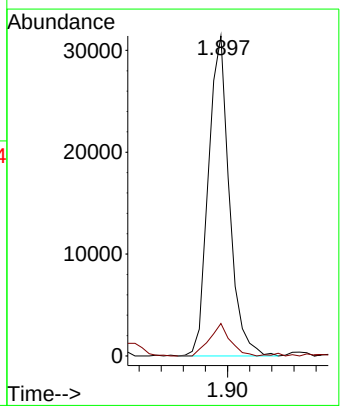


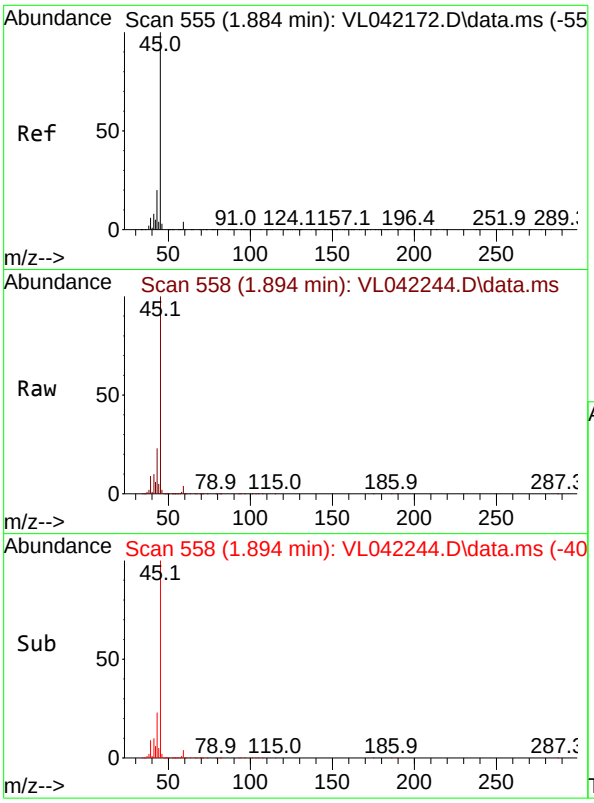


#17
tert-Butyl alcohol
Concen: 0.618 ppbv
RT: 1.897 min Scan# 559
Delta R.T. -0.139 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 59 Resp: 20558

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.9	13.3



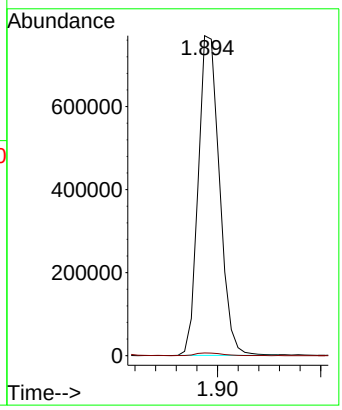


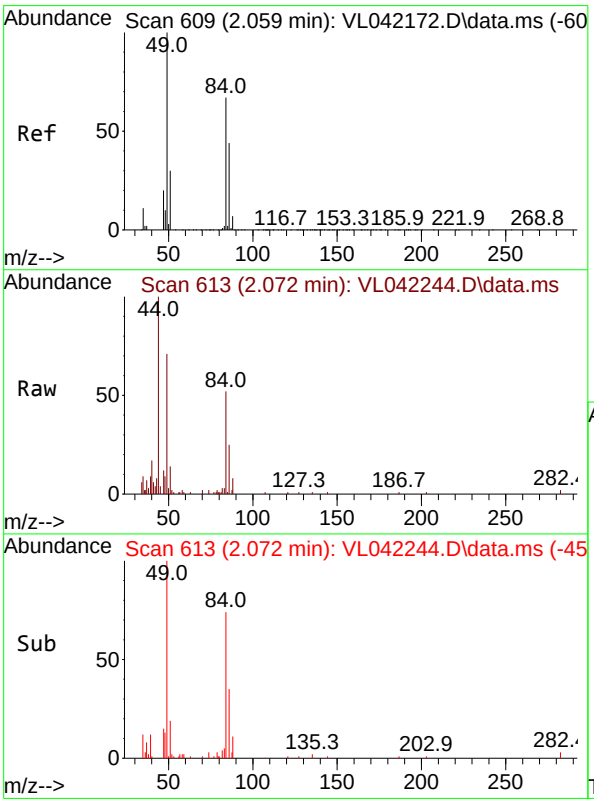
#19
Isopropyl Alcohol
Concen: 36.345 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 45 Resp: 547602

Ion	Ratio	Lower	Upper
45	100		
58	1.2	36.9	55.3#

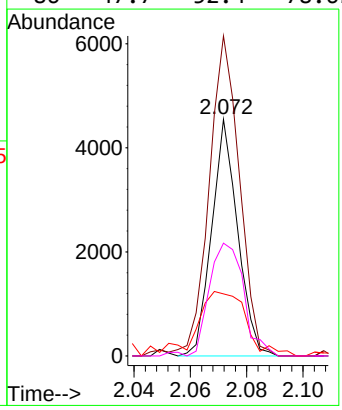


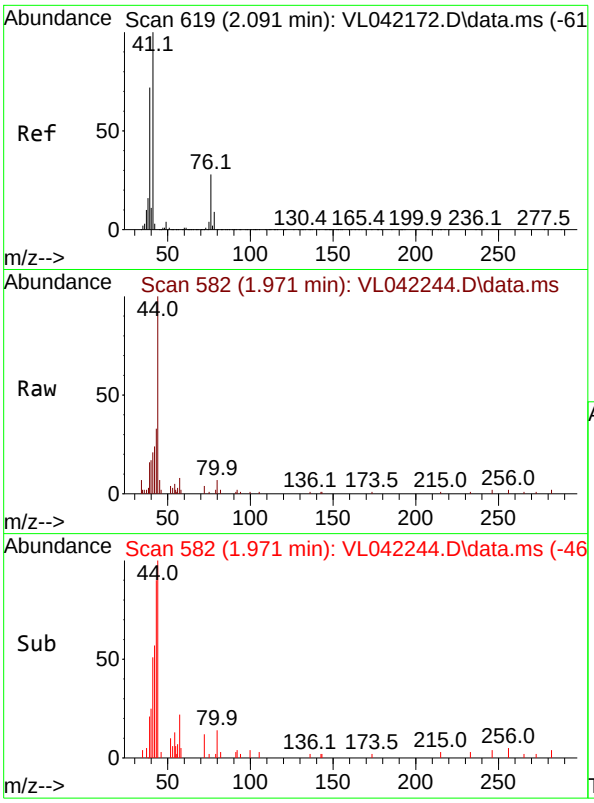


#20
Methylene Chloride
Concen: 0.293 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 84 Resp: 2917

Ion	Ratio	Lower	Upper
84	100		
49	135.2	120.2	180.4
51	24.3	37.4	56.0#
86	47.7	52.4	78.6#



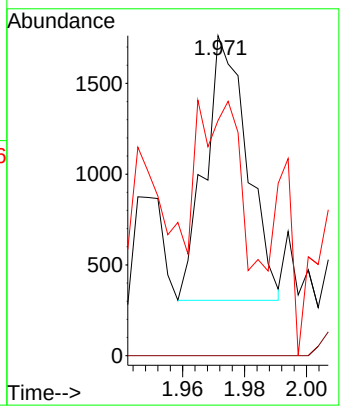


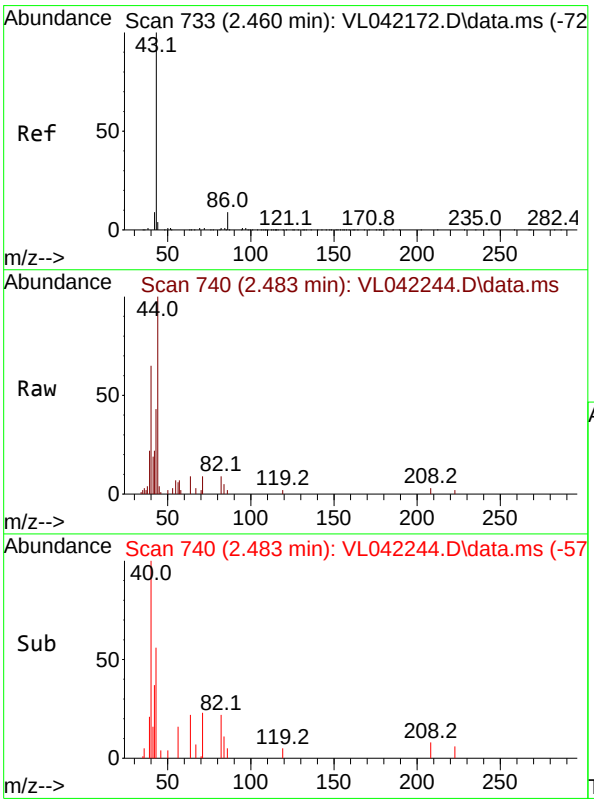
#21
Allyl Chloride
Concen: 0.073 ppbv
RT: 1.971 min Scan# 5
Delta R.T. -0.120 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 41 Resp: 1379

Ion	Ratio	Lower	Upper
41	100		
76	3.6	24.1	36.1#
39	0.0	61.1	91.7#

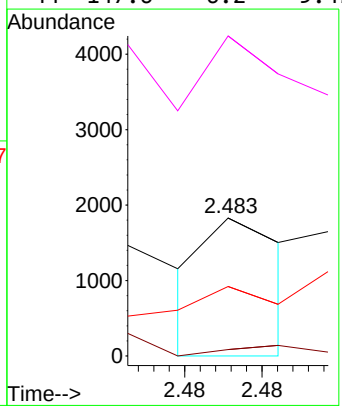


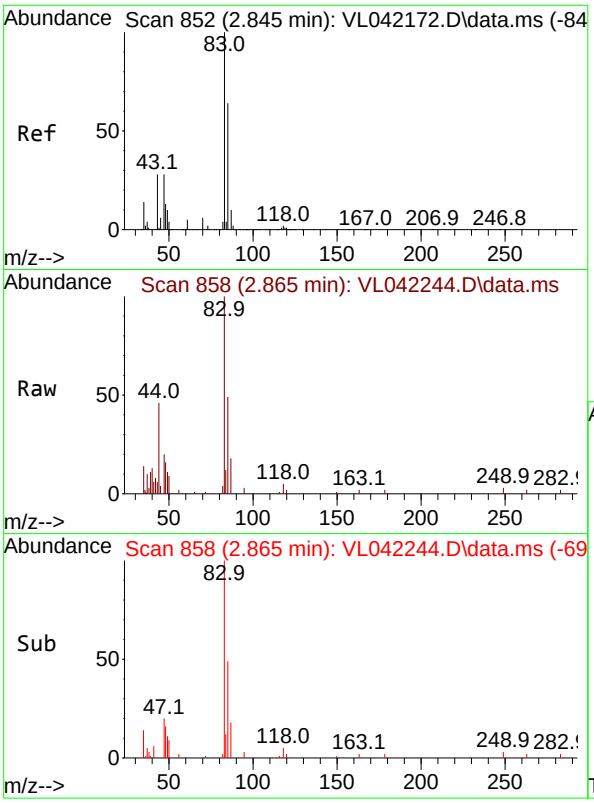


#23
Vinyl Acetate
Concen: 0.056 ppbv
RT: 2.483 min Scan# 740
Delta R.T. 0.023 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 43 Resp: 648

Ion	Ratio	Lower	Upper
43	100		
86	12.6	5.5	8.3#
42	46.7	8.6	13.0#
44	147.6	6.2	9.4#



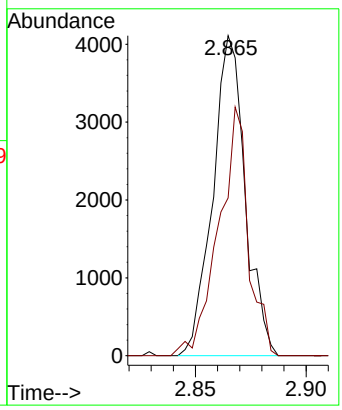


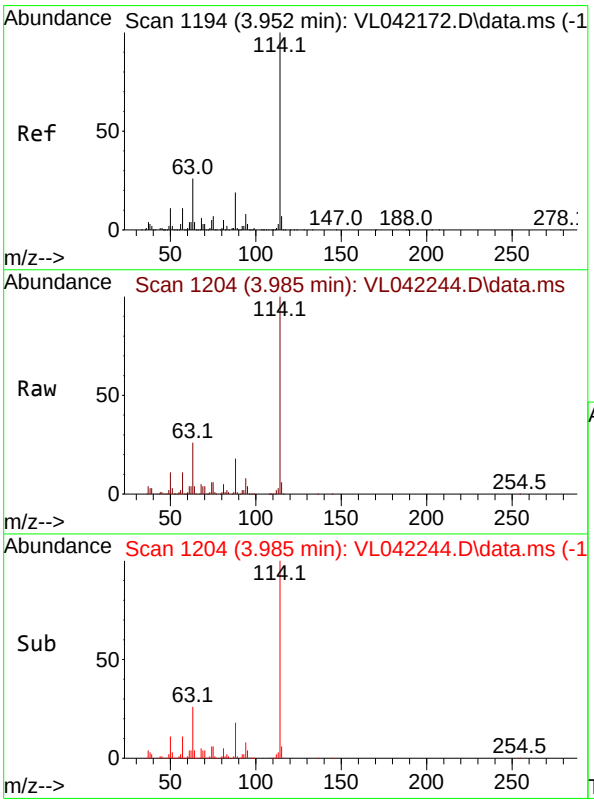
#29
Chloroform
Concen: 0.107 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 83 Resp: 4185

Ion	Ratio	Lower	Upper
83	100		
85	49.3	51.4	77.2#

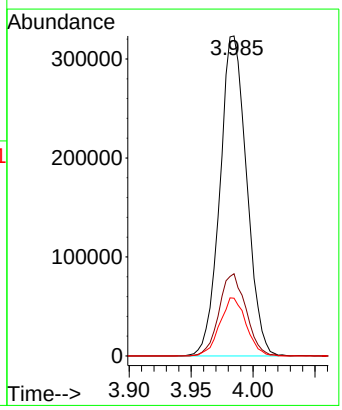


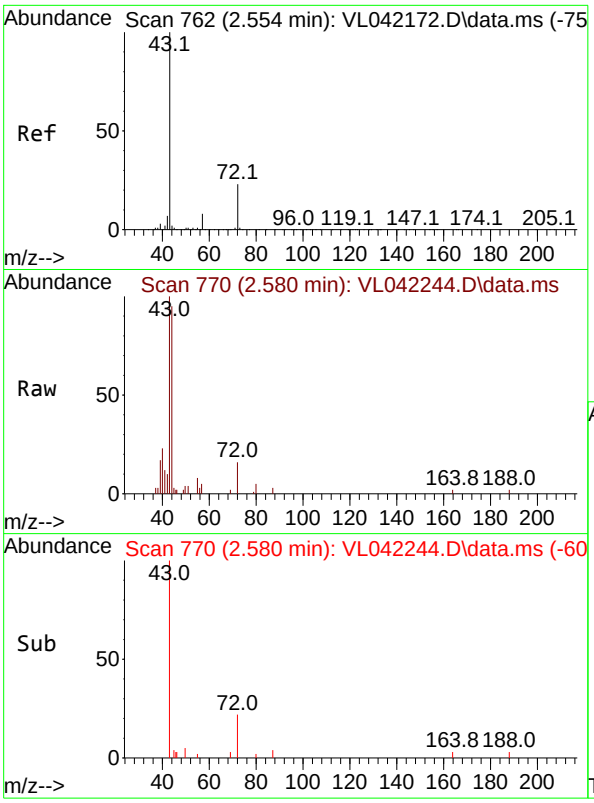


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion:114 Resp: 485801

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	17.9	15.0	22.4



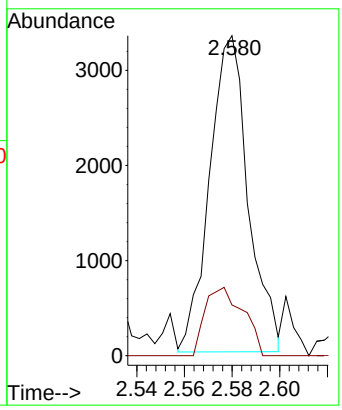


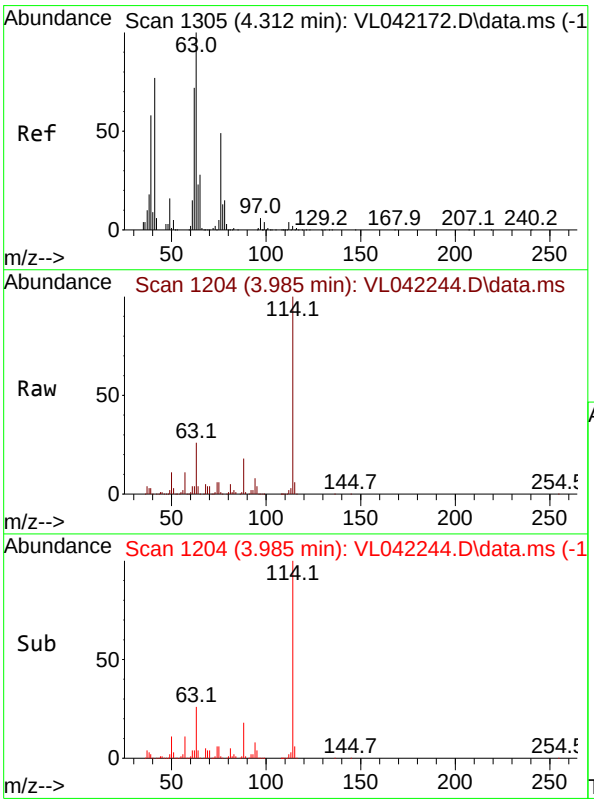
#34
2-Butanone
Concen: 0.106 ppbv
RT: 2.580 min Scan# 7
Delta R.T. 0.026 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 43 Resp: 3751

Ion	Ratio	Lower	Upper
43	100		
72	21.4	18.2	27.2

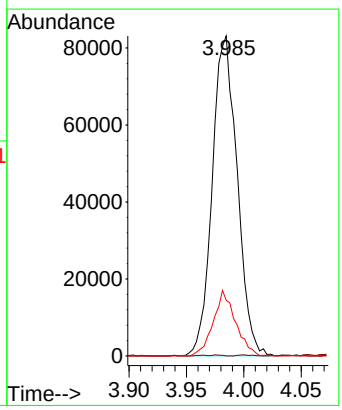


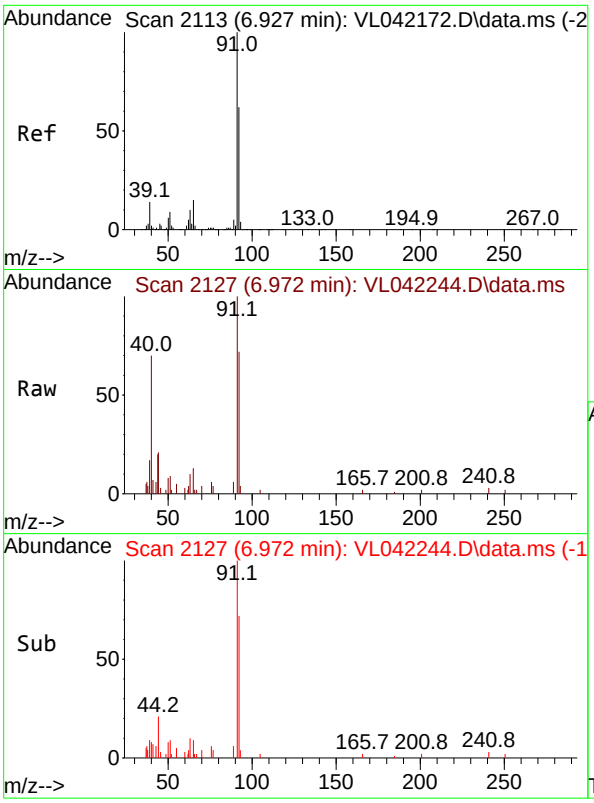


#39
1,2-Dichloropropane
Concen: 7.157 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. -0.327 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 63 Resp: 125530

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.7	92.5#
62	17.4	57.6	86.4#



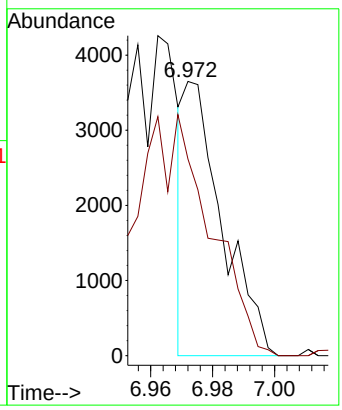


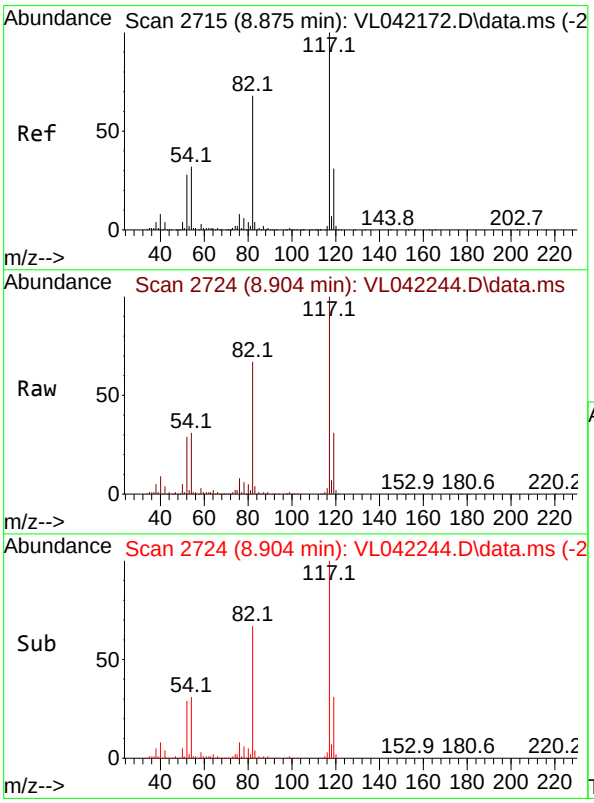
#53
Toluene
Concen: 0.055 ppbv
RT: 6.972 min Scan# 21
Delta R.T. 0.045 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 91 Resp: 3122

Ion	Ratio	Lower	Upper
91	100		
92	189.7	48.4	72.6#

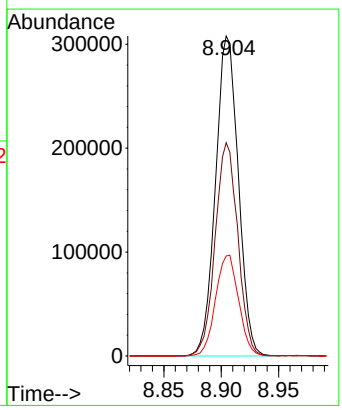


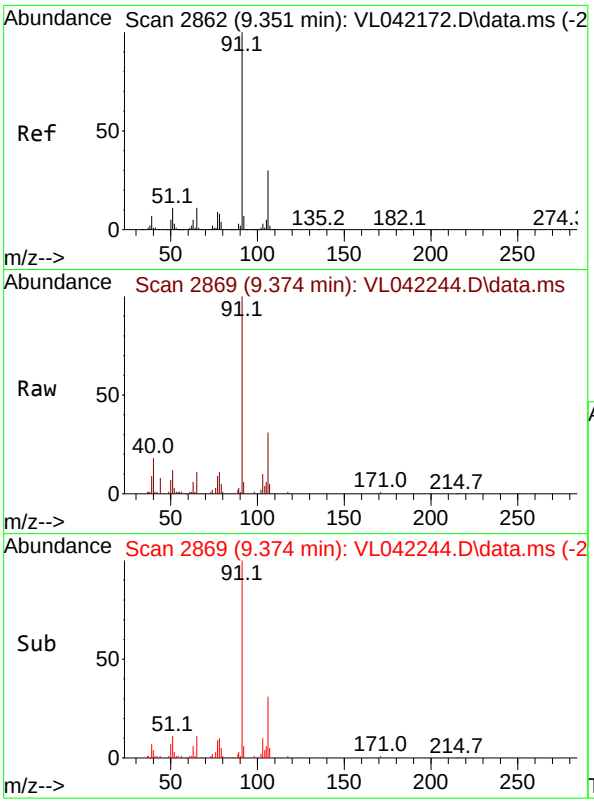


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion:117 Resp: 425989

Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.8	83.6
119	31.9	25.5	38.3



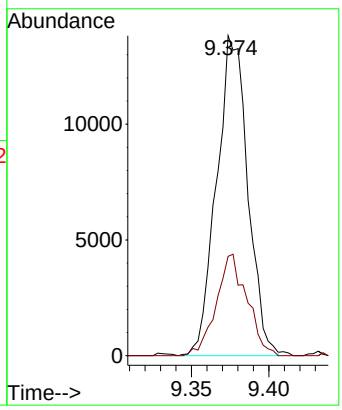


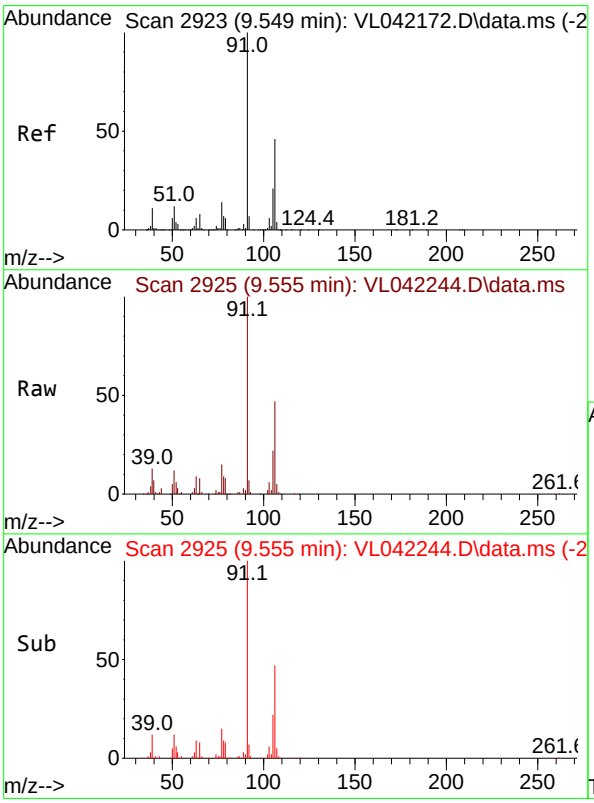
#58
Ethyl Benzene
Concen: 0.256 ppbv
RT: 9.374 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 91 Resp: 19351

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.2	36.2

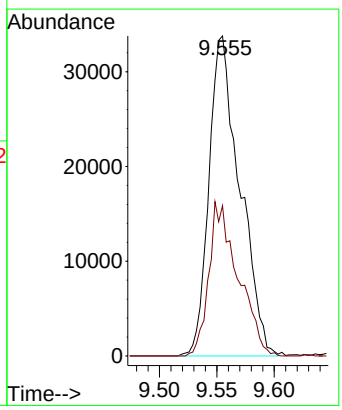


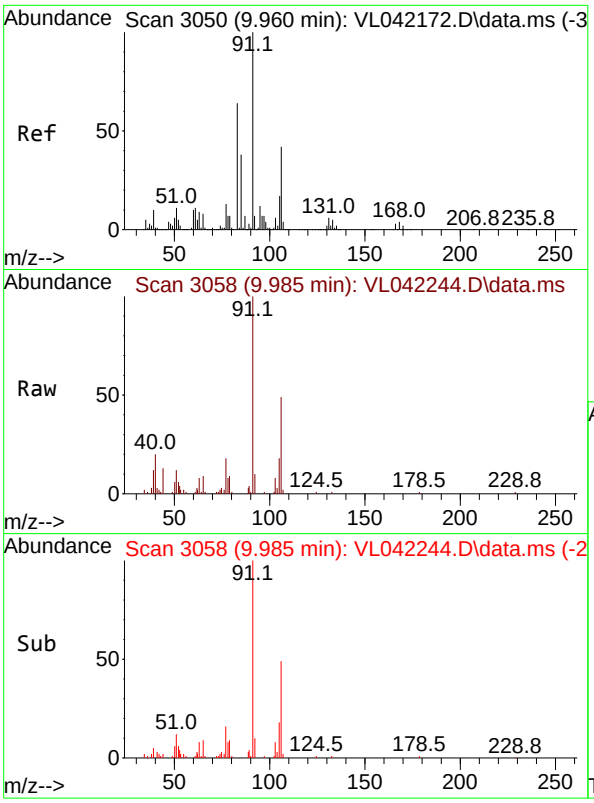


#59
m/p-Xylene
Concen: 1.047 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.006 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion: 91 Resp: 63265

Ion	Ratio	Lower	Upper
91	100		
106	45.6	36.4	54.6



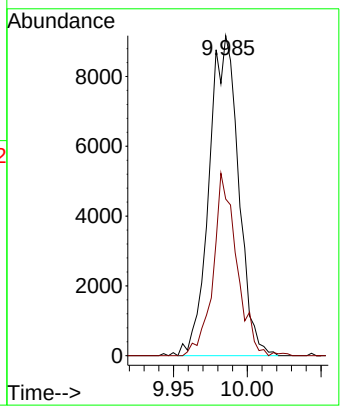


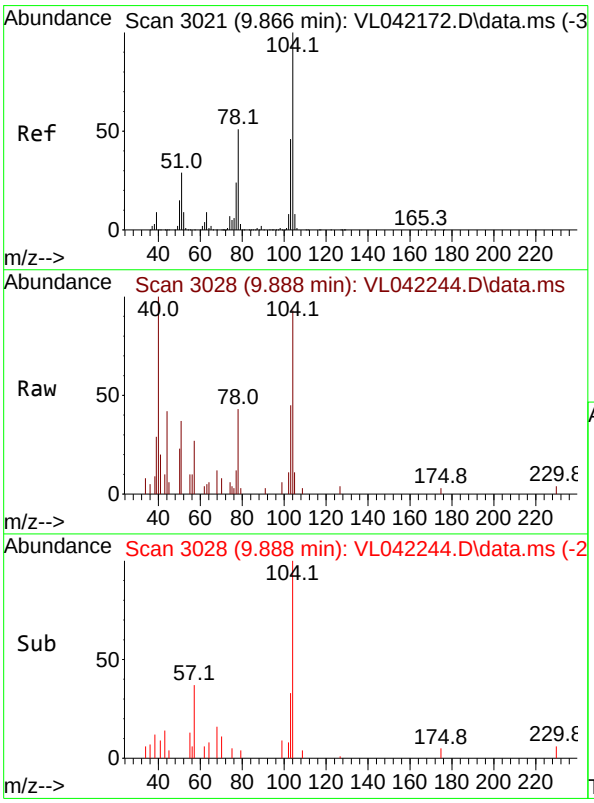
#60
o-Xylene
Concen: 0.210 ppbv
RT: 9.985 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 91 Resp: 12718

Ion	Ratio	Lower	Upper
91	100		
106	45.7	20.8	62.5

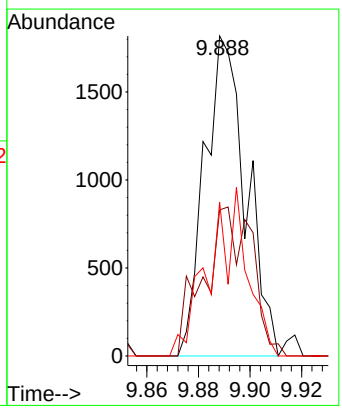


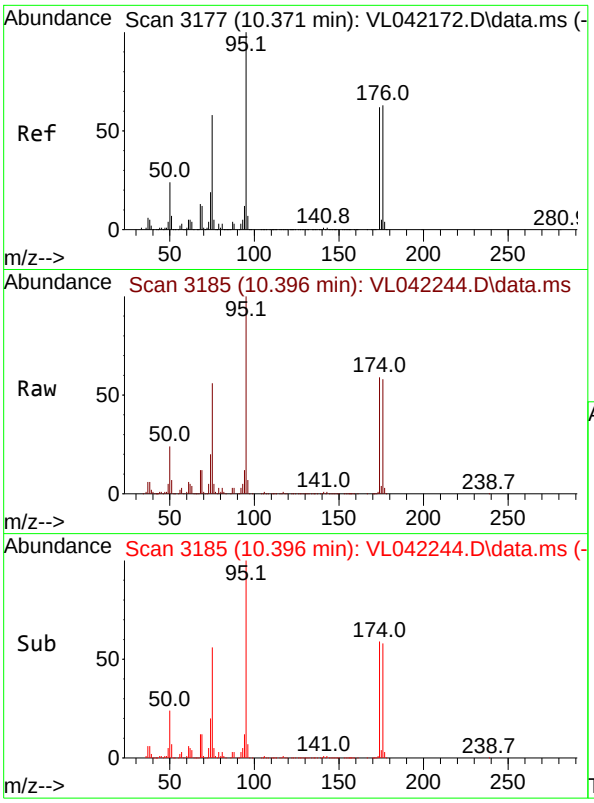


#61
Styrene
Concen: 0.067 ppbv
RT: 9.888 min Scan# 3028
Delta R.T. 0.023 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Tgt Ion:104 Resp: 2020

Ion	Ratio	Lower	Upper
104	100		
78	54.8	41.8	62.6
103	47.4	37.0	55.4



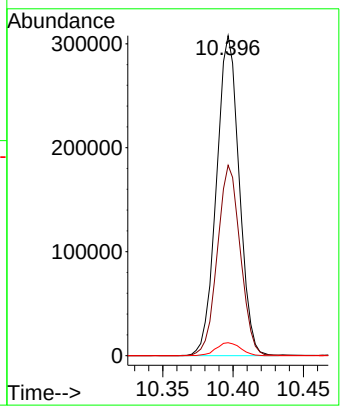


#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042244.D
Acq: 07 Apr 2025 22:09

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025DL

Tgt Ion: 95 Resp: 345971

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.4	3.8	5.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Quant Time: Apr 08 01:37:28 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	2.803	49	191155	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.988	114	493918	10.000	ppbv		0.04
55) Chlorobenzene-d5	8.908	117	441320	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.397	95	357099	9.853	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.506	85	6425	0.228	ppbv		93
3) Chlorodifluoromethane	1.483	51	6551	0.227	ppbv		100
4) Chloromethane	1.541	50	2684	0.233	ppbv		100
9) Propene	1.897	41	113954	8.623	ppbv		88
11) Trichlorofluoromethane	1.887	101	2858	0.104	ppbv	#	75
12) 1,1,2-Trichlorotrifluo...	2.156	101	802	0.036	ppbv		94
13) Ethanol	1.897	45	1101017	881.302	ppbv	#	31
15) Acetone	1.845	43	590313	22.081	ppbv		96
16) 1,3-Butadiene	1.609	39	5554	0.425	ppbv	#	25
17) tert-Butyl alcohol	1.897	59	42857	1.287	ppbv		96
19) Isopropyl Alcohol	1.897	45	1101017	72.993	ppbv	#	32
20) Methylene Chloride	2.072	84	3195	0.321	ppbv	#	94
21) Allyl Chloride	1.975	41	2742	0.145	ppbv	#	21
23) Vinyl Acetate	2.470	43	12740	1.101	ppbv	#	91
25) Ethyl Acetate	2.845	43	2924	0.042	ppbv	#	65
26) Hexane	2.842	57	3476	0.130	ppbv	#	33
29) Chloroform	2.865	83	4102	0.105	ppbv		91
34) 2-Butanone	2.577	43	12837	0.358	ppbv		97
35) Carbon Tetrachloride	3.791	117	1273	0.033	ppbv	#	66
36) Benzene	3.681	78	2854	0.058	ppbv	#	90
39) 1,2-Dichloropropane	3.985	63	129244	7.248	ppbv	#	22
53) Toluene	6.972	91	22311	0.384	ppbv		97
58) Ethyl Benzene	9.377	91	35929	0.458	ppbv		96
59) m/p-Xylene	9.555	91	125540	2.006	ppbv		99
60) o-Xylene	9.986	91	25937	0.413	ppbv		100
61) Styrene	9.895	104	6211	0.200	ppbv		92
73) 1,3,5-Trimethylbenzene	11.219	105	2628	0.039	ppbv		98

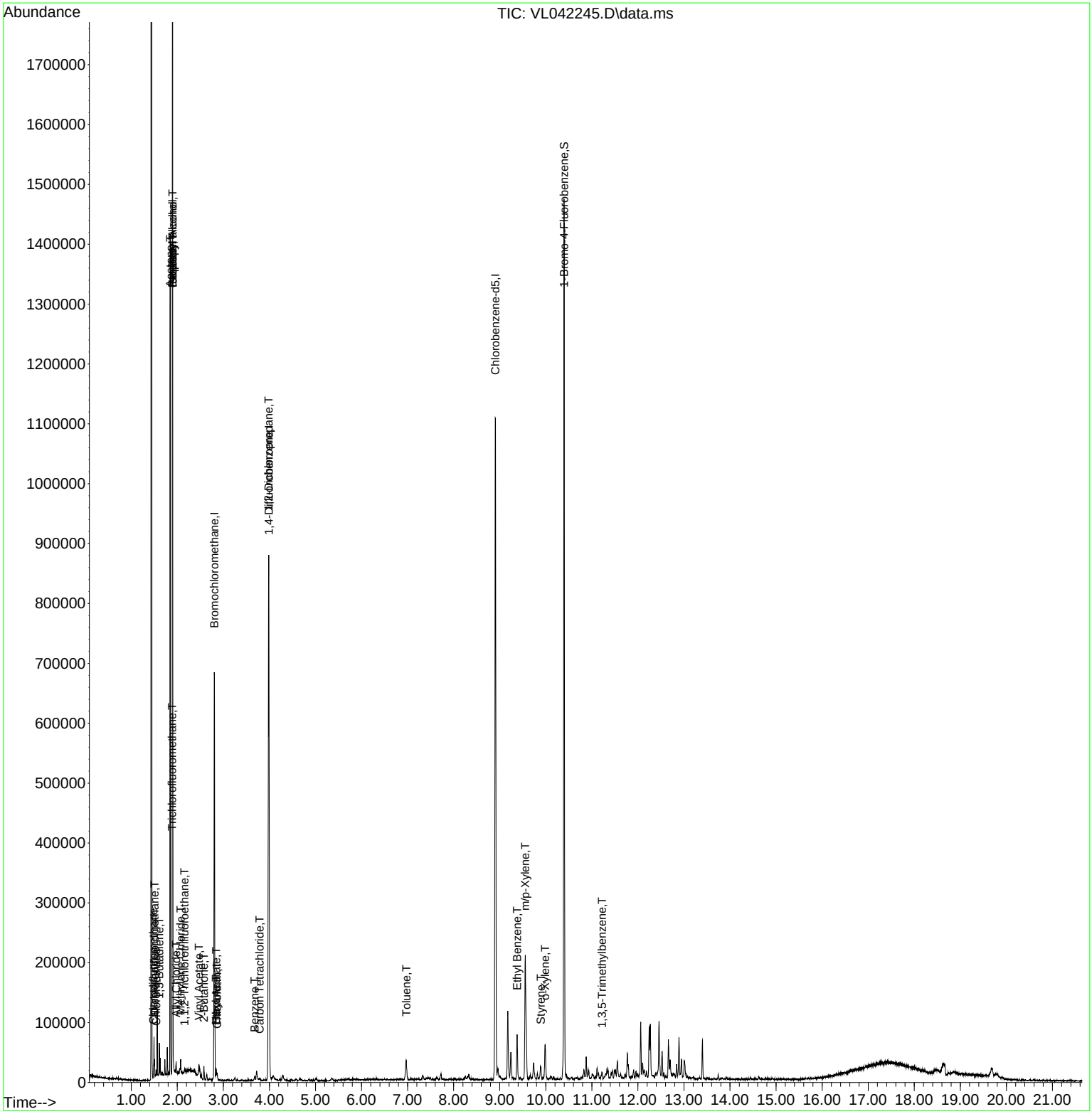
(#) = qualifier out of range (m) = manual integration (+) = signals summed

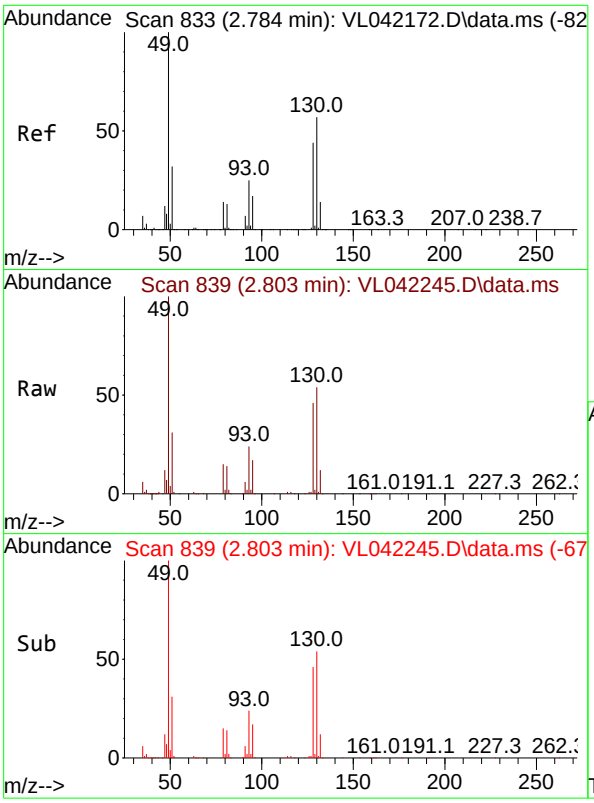
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042245.D
Acq On : 07 Apr 2025 22:40
Operator : SY/MD
Sample : Q1725-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Quant Time: Apr 08 01:37:28 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



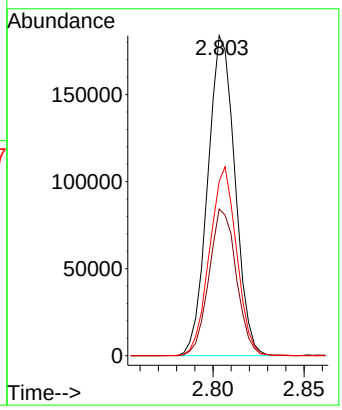


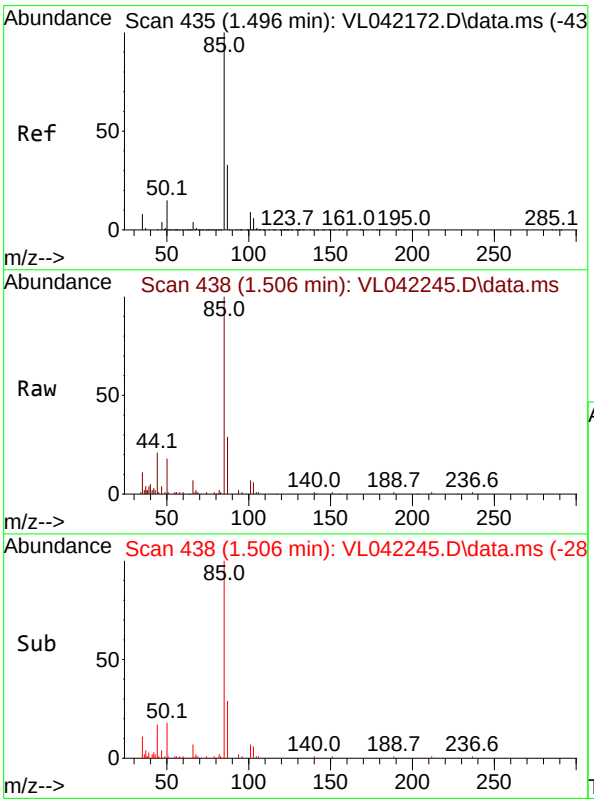
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 49 Resp: 191155

Ion	Ratio	Lower	Upper
49	100		
128	46.0	22.9	68.5
130	58.6	28.8	86.4

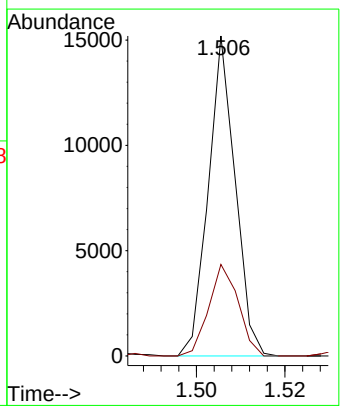


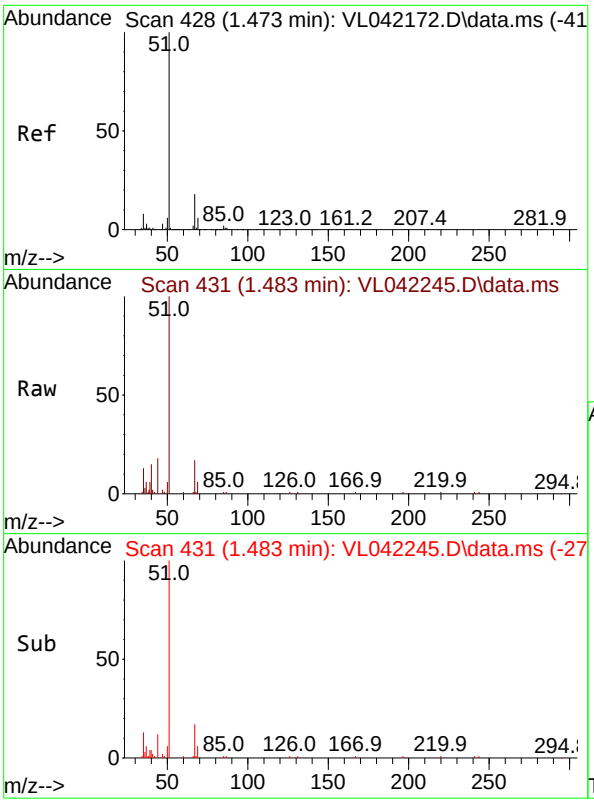


#2
Dichlorodifluoromethane
Concen: 0.228 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 85 Resp: 6425

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.1	39.1



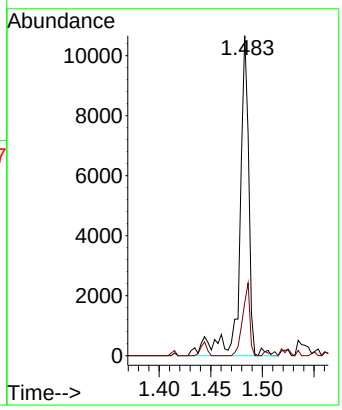


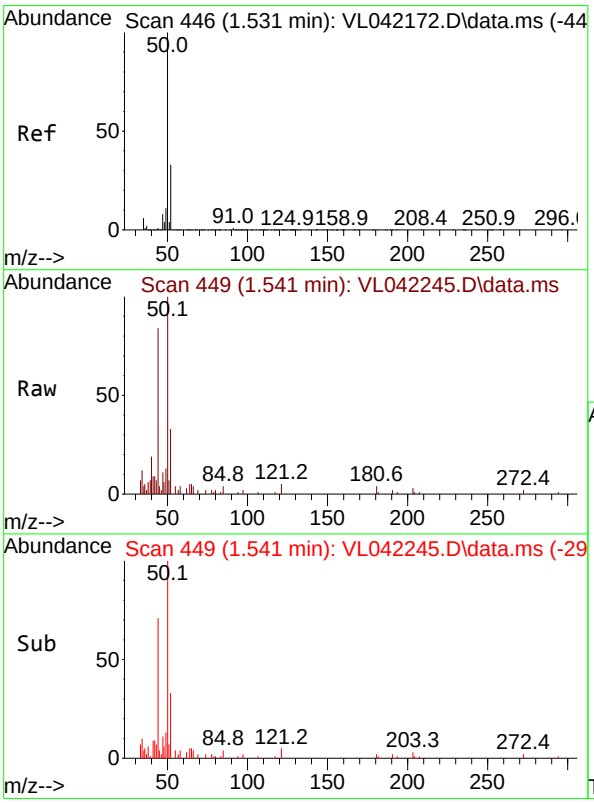
#3
Chlorodifluoromethane
Concen: 0.227 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 51 Resp: 6551

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.0	22.6

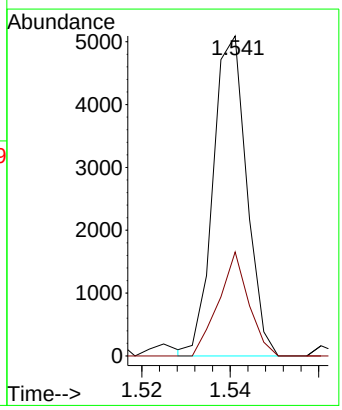


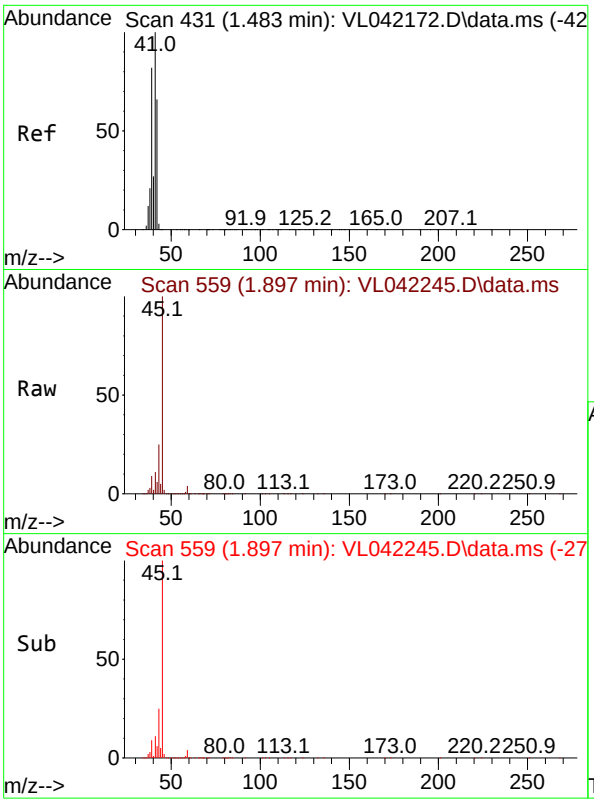


#4
Chloromethane
Concen: 0.233 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 50 Resp: 2684

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



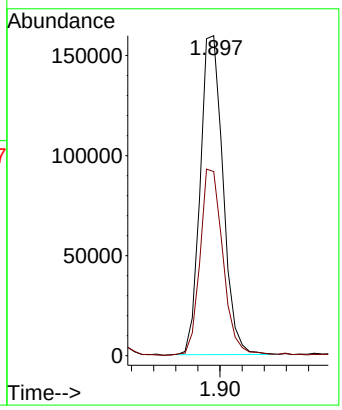


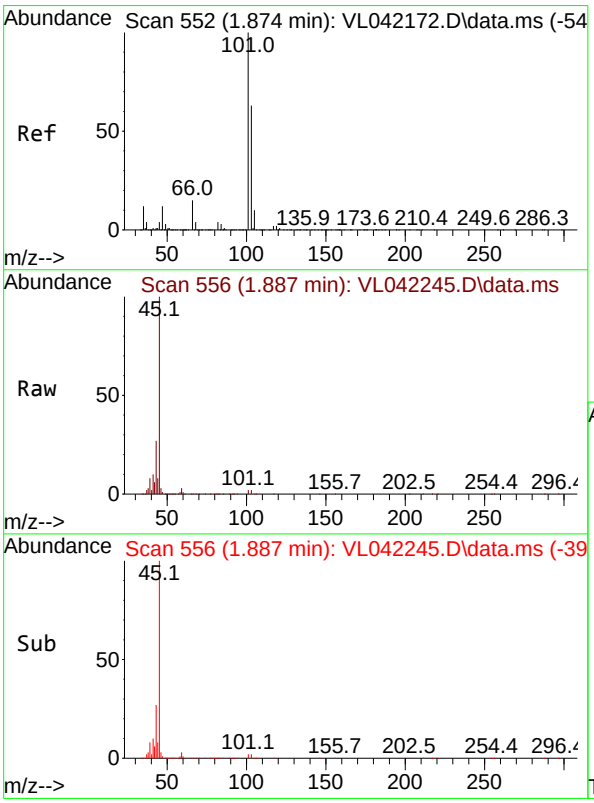
#9
Propene
Concen: 8.623 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.414 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 41 Resp: 113954

Ion	Ratio	Lower	Upper
41	100		
42	59.1	55.4	83.2

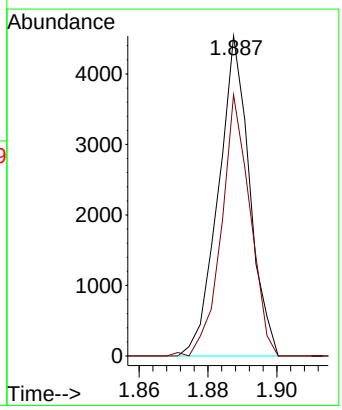


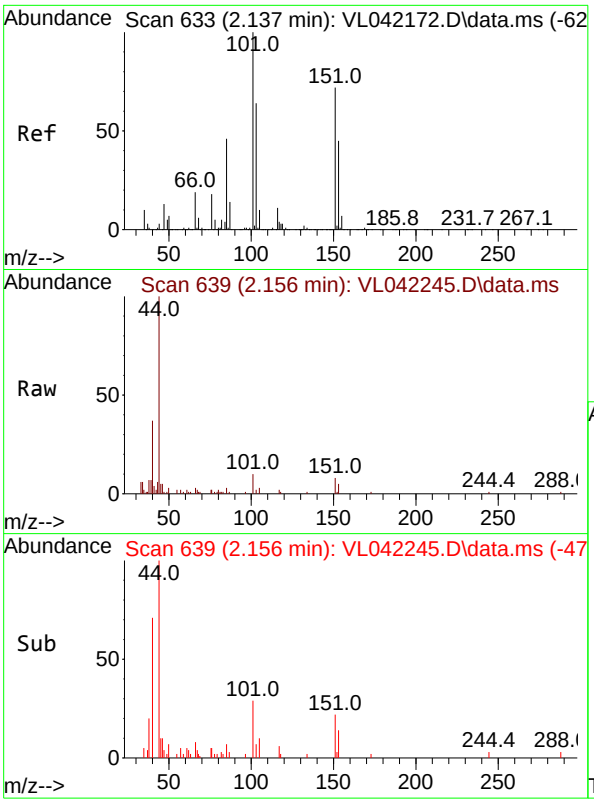


#11
Trichlorofluoromethane
Concen: 0.104 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion:101 Resp: 2858

Ion	Ratio	Lower	Upper
101	100		
103	81.7	50.2	75.2#



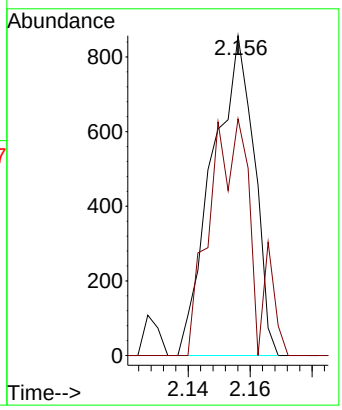


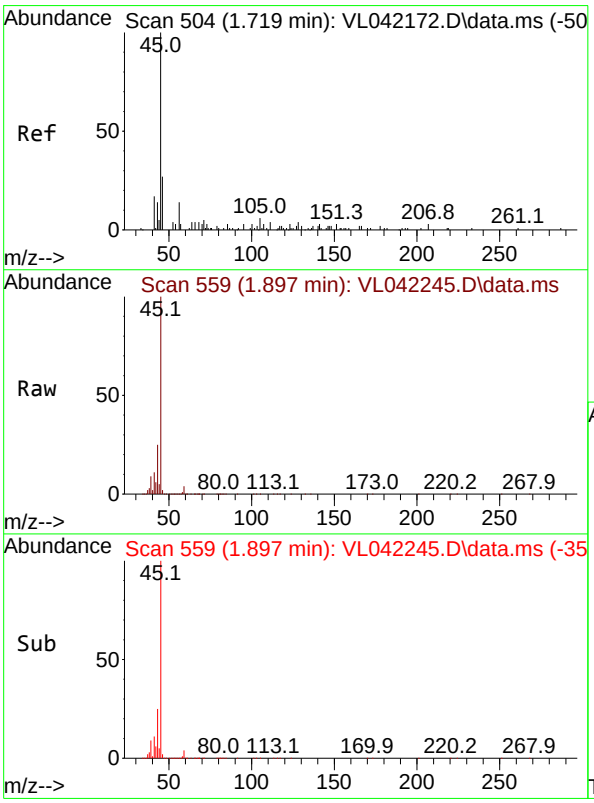
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.036 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion:101 Resp: 802

Ion	Ratio	Lower	Upper
101	100		
151	76.3	57.1	85.7

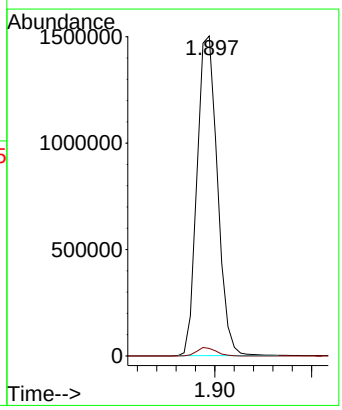


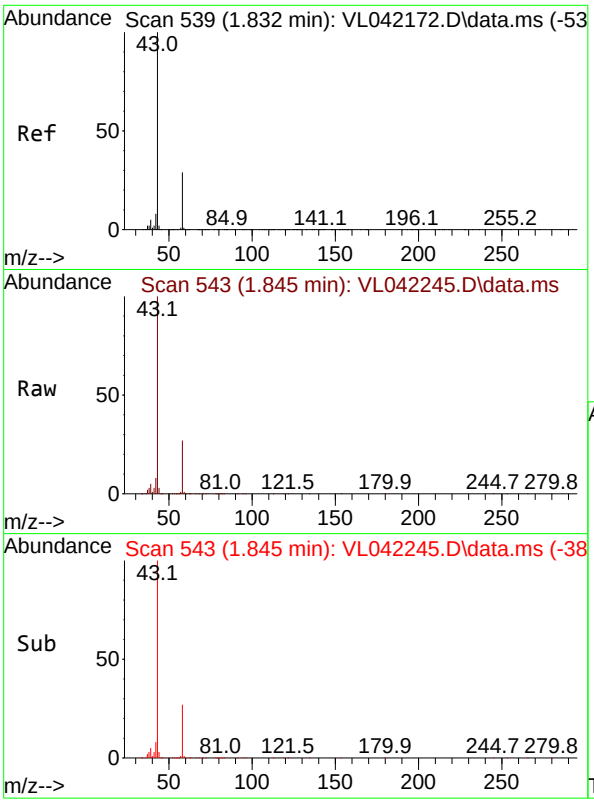


#13
Ethanol
Concen: 881.302 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.178 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 45 Resp: 1101017

Ion	Ratio	Lower	Upper
45	100		
46	2.5	20.2	80.8#



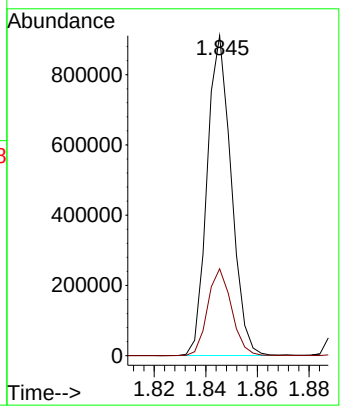


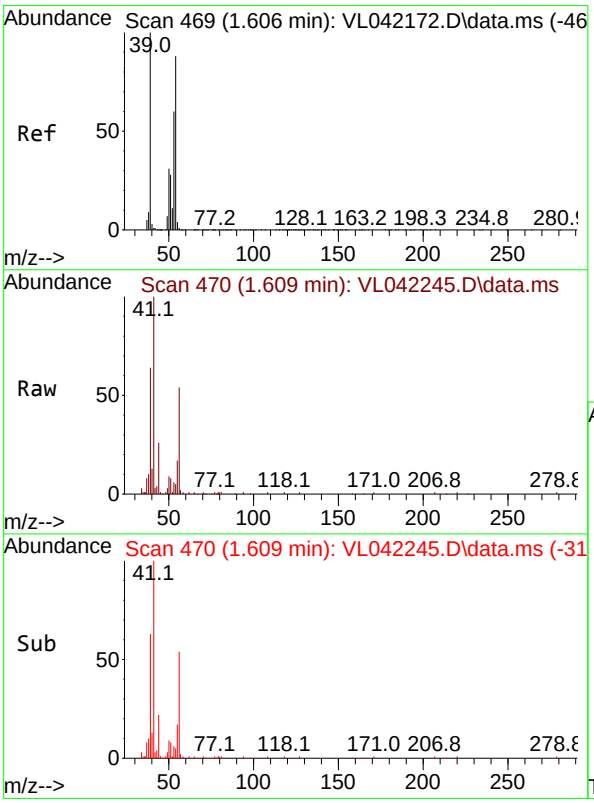
#15
Acetone
Concen: 22.081 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 43 Resp: 590313

Ion	Ratio	Lower	Upper
43	100		
58	27.0	23.2	34.8

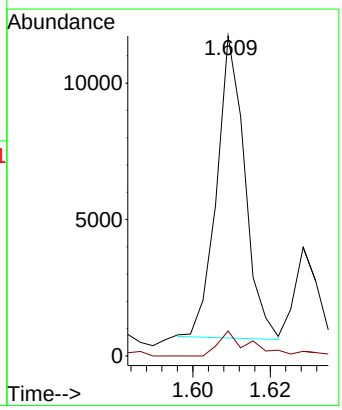


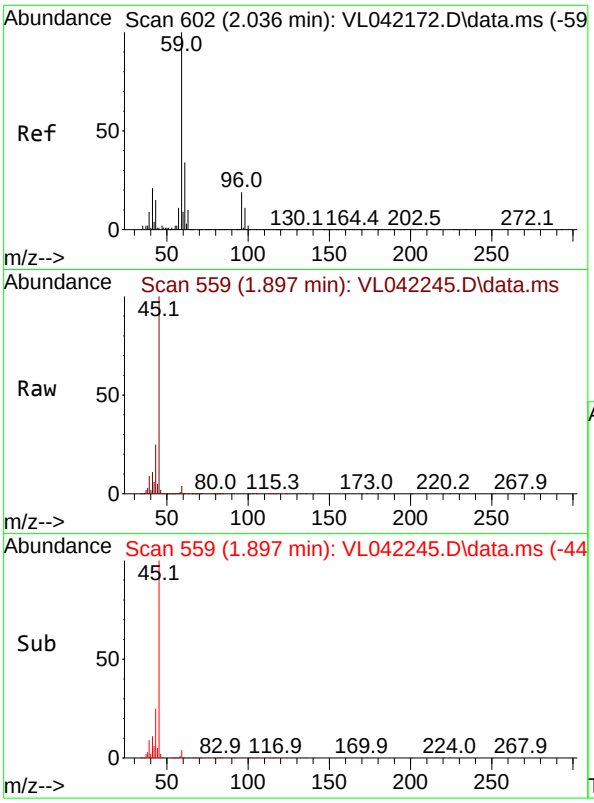


#16
1,3-Butadiene
Concen: 0.425 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 39 Resp: 5554

Ion	Ratio	Lower	Upper
39	100		
54	11.8	60.7	91.1#



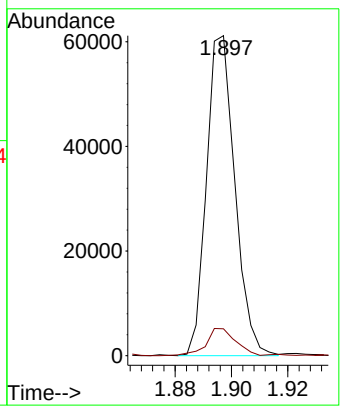


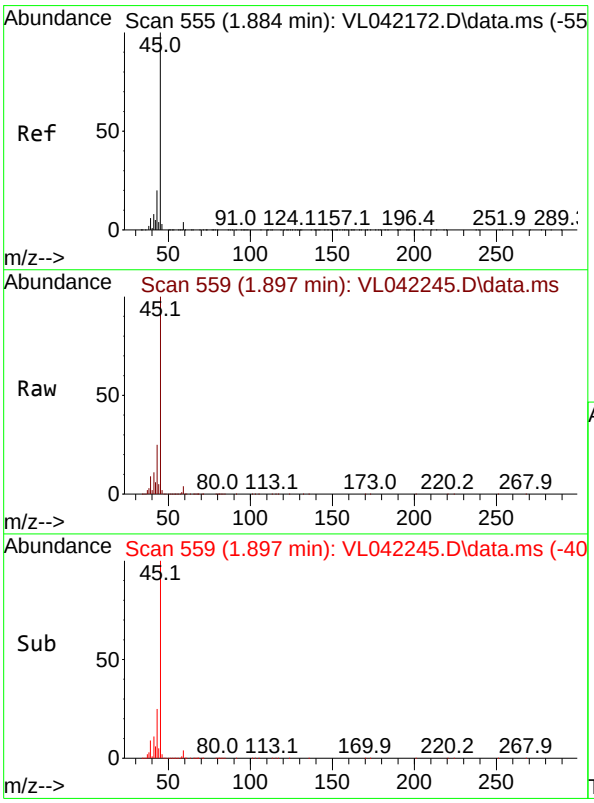
#17
tert-Butyl alcohol
Concen: 1.287 ppbv
RT: 1.897 min Scan# 5
Delta R.T. -0.139 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 59 Resp: 42857

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.9	13.3

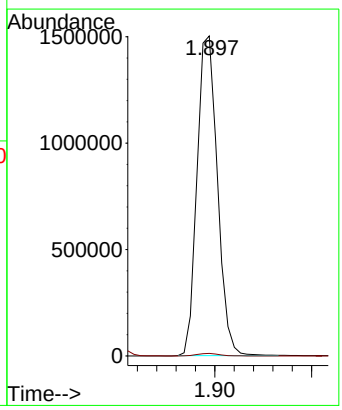


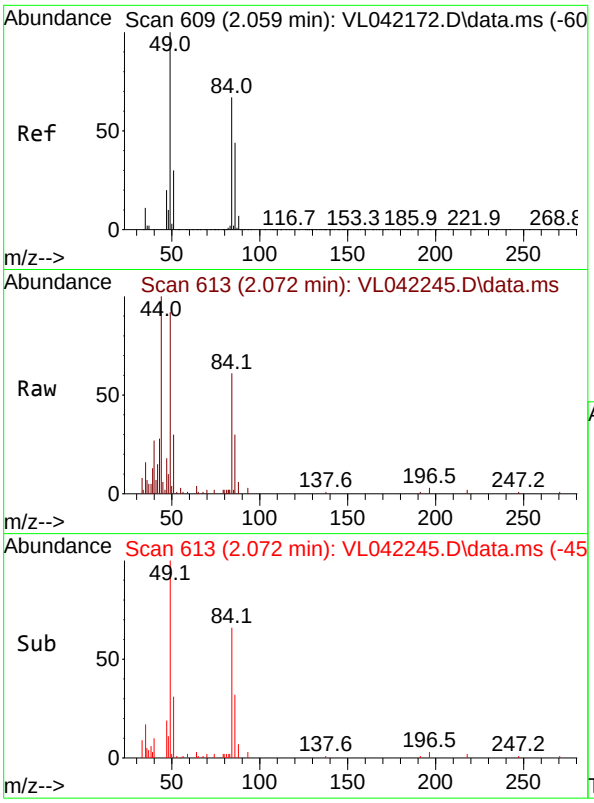


#19
Isopropyl Alcohol
Concen: 72.993 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 45 Resp: 1101017

Ion	Ratio	Lower	Upper
45	100		
58	0.9	36.9	55.3#



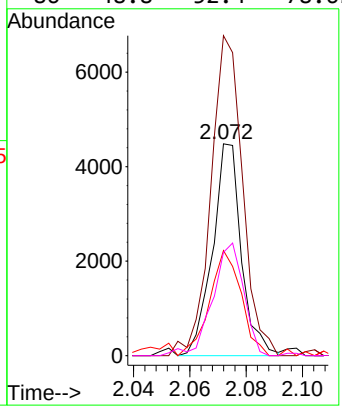


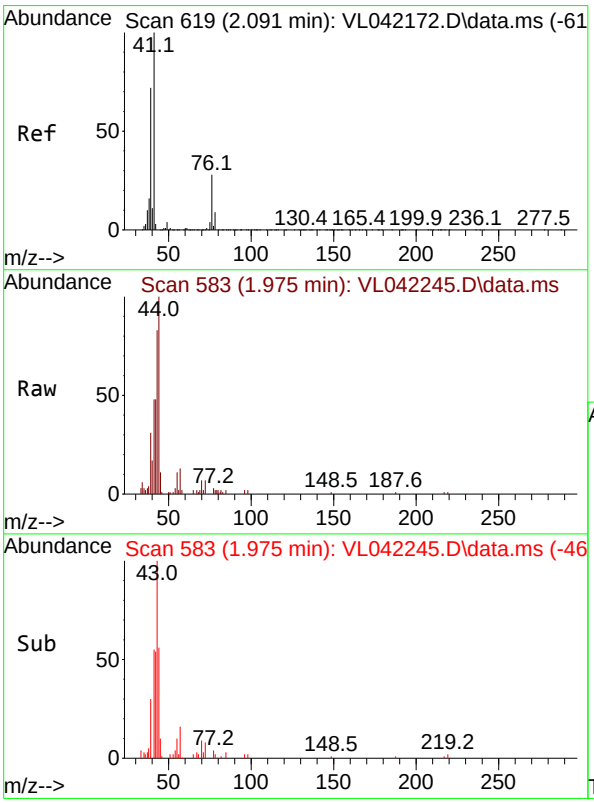
#20
Methylene Chloride
Concen: 0.321 ppbv
RT: 2.072 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 84 Resp: 3195

Ion	Ratio	Lower	Upper
84	100		
49	151.1	120.2	180.4
51	49.6	37.4	56.0
86	48.8	52.4	78.6#

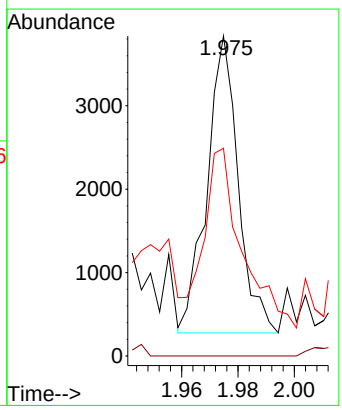


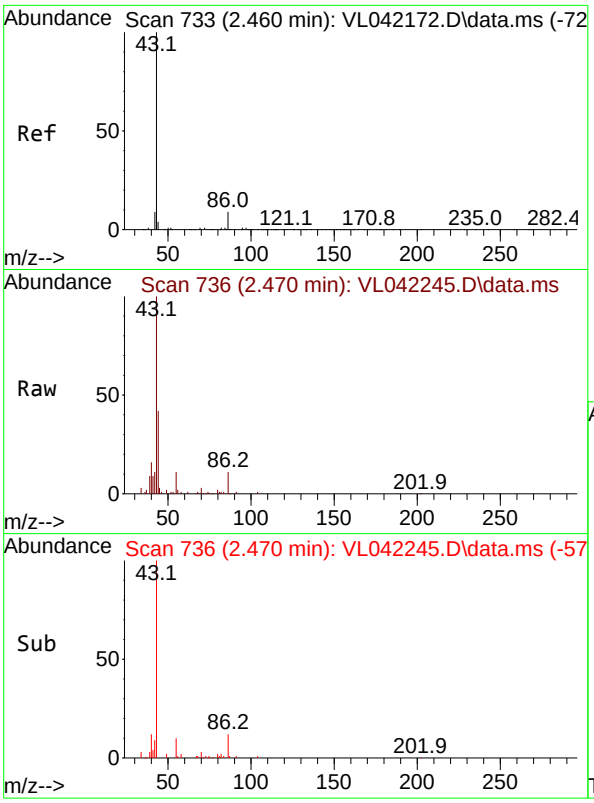


#21
Allyl Chloride
Concen: 0.145 ppbv
RT: 1.975 min Scan# 583
Delta R.T. -0.116 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 41 Resp: 2742

Ion	Ratio	Lower	Upper
41	100		
76	1.5	24.1	36.1#
39	0.0	61.1	91.7#



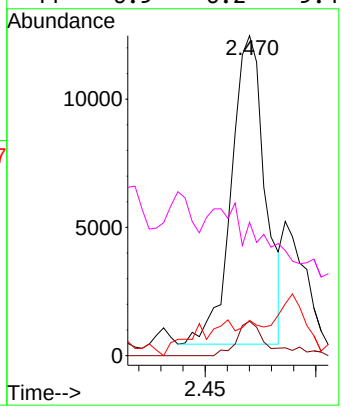


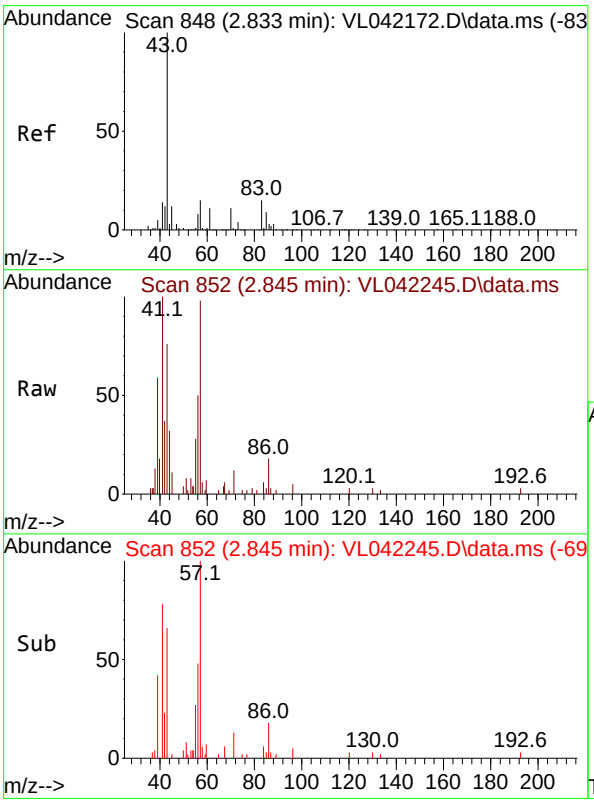
#23
Vinyl Acetate
Concen: 1.101 ppbv
RT: 2.470 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 43 Resp: 12740

Ion	Ratio	Lower	Upper
43	100		
86	11.2	5.5	8.3#
42	6.2	8.6	13.0#
44	6.9	6.2	9.4

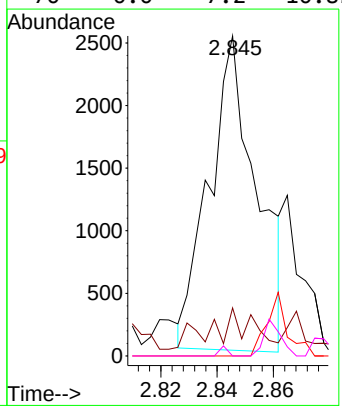


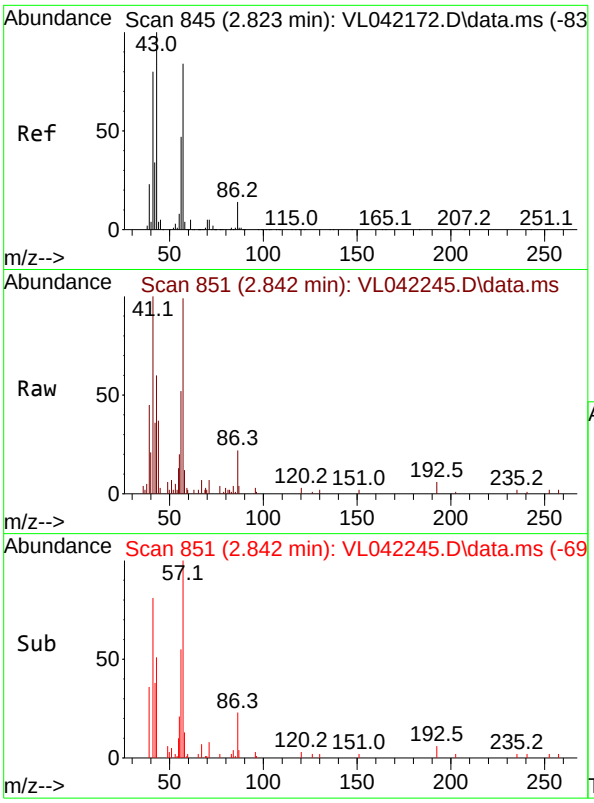


#25
Ethyl Acetate
Concen: 0.042 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.013 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 43 Resp: 2924

Ion	Ratio	Lower	Upper
43	100		
45	29.8	8.2	12.2#
61	0.0	7.3	10.9#
70	0.0	7.2	10.8#



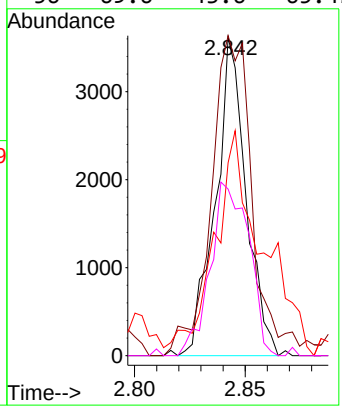


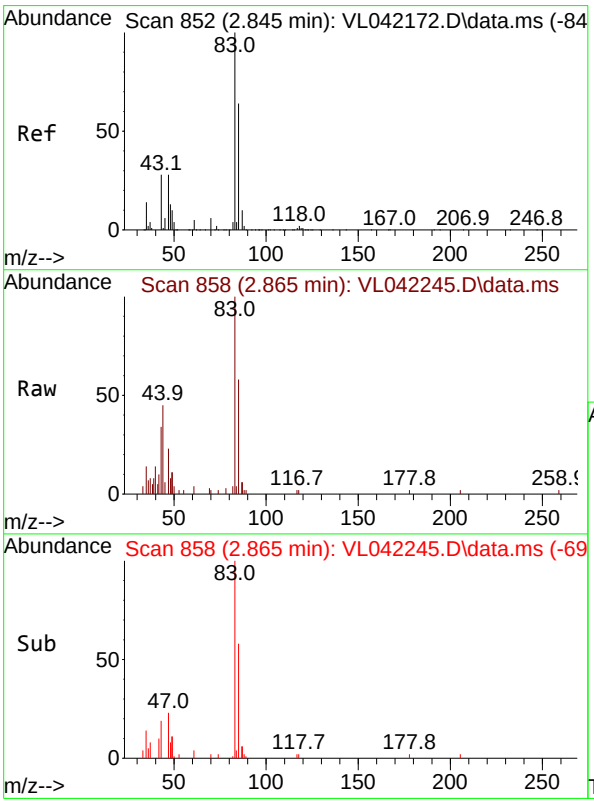
#26
Hexane
Concen: 0.130 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 57 Resp: 3476

Ion	Ratio	Lower	Upper
57	100		
41	138.7	76.6	114.8#
43	107.4	207.8	311.8#
56	69.6	43.6	65.4#

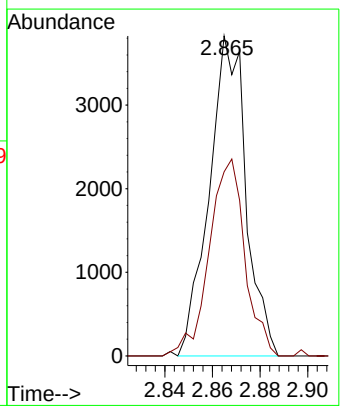


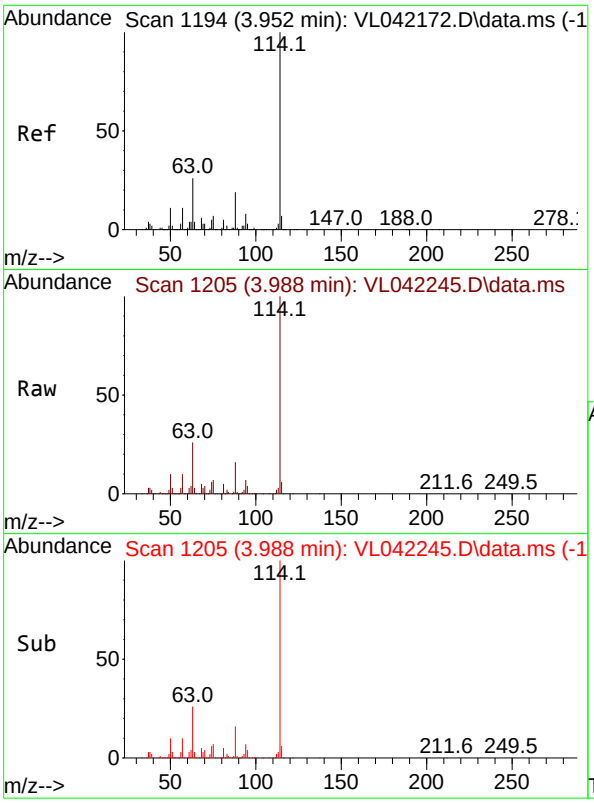


#29
Chloroform
Concen: 0.105 ppbv
RT: 2.865 min Scan# 858
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 83 Resp: 4102

Ion	Ratio	Lower	Upper
83	100		
85	57.6	51.4	77.2



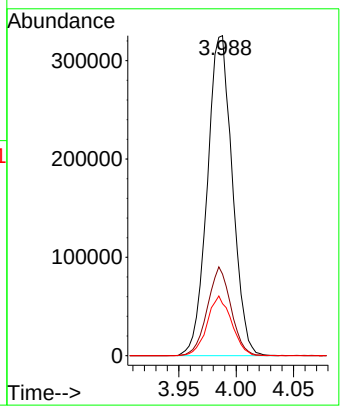


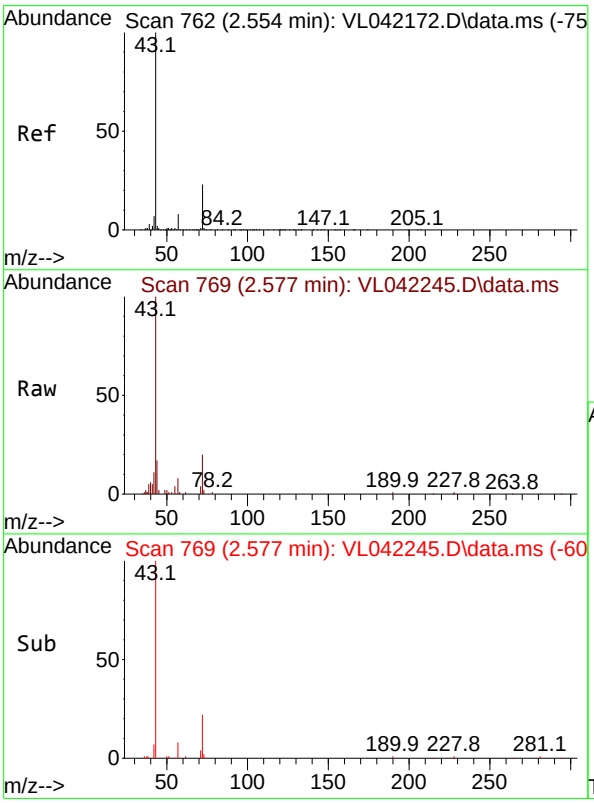
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1
Delta R.T. 0.036 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion:114 Resp: 493918

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.7	31.1
88	18.2	15.0	22.4

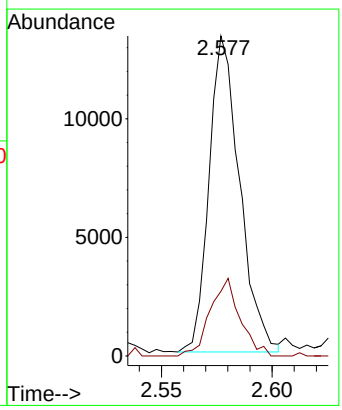


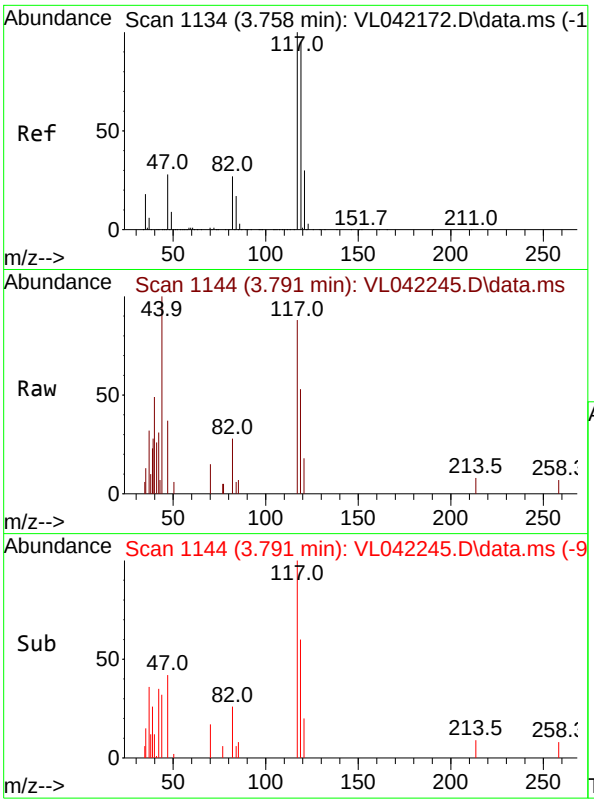


#34
2-Butanone
Concen: 0.358 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.023 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 43 Resp: 12837

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.2	27.2



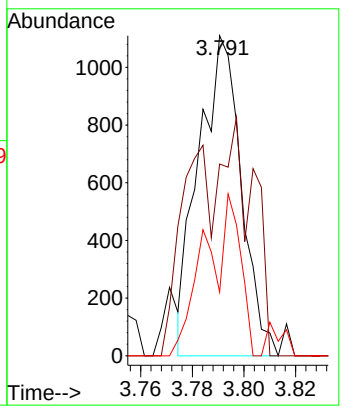


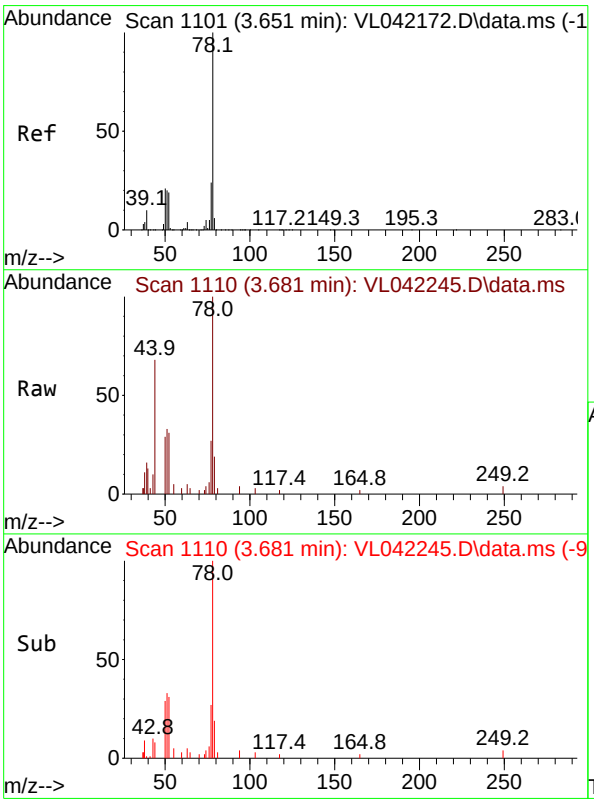
#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 3.791 min Scan# 11
Delta R.T. 0.032 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion:117 Resp: 1273

Ion	Ratio	Lower	Upper
117	100		
119	59.9	76.2	114.2#
121	15.4	24.2	36.4#

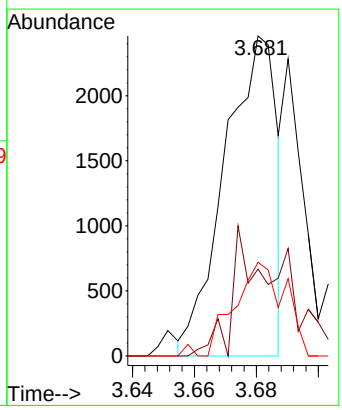


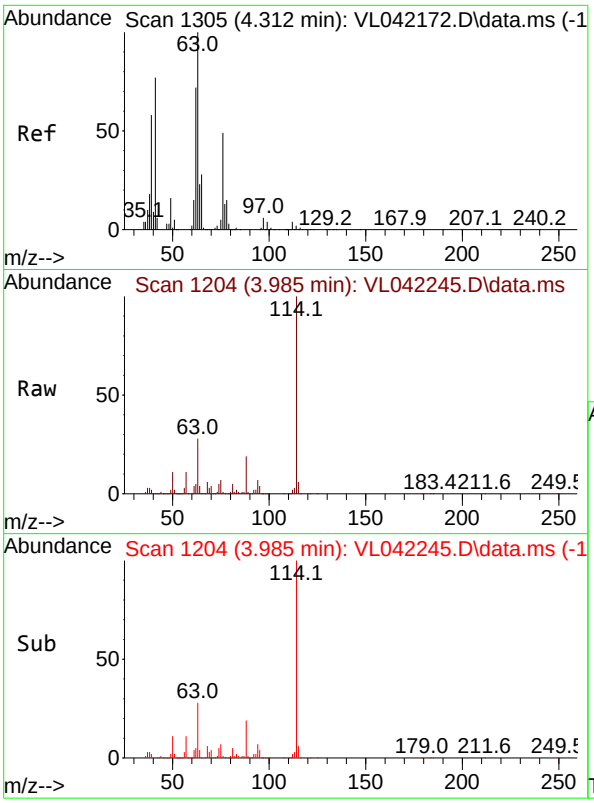


#36
Benzene
Concen: 0.058 ppbv
RT: 3.681 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 78 Resp: 2854

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
50	30.7	16.6	24.8#



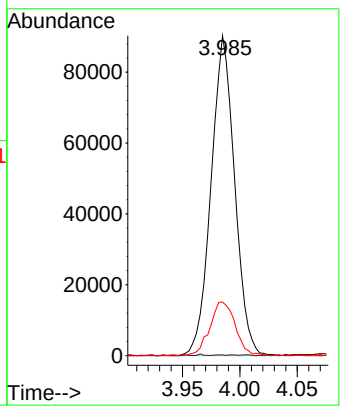


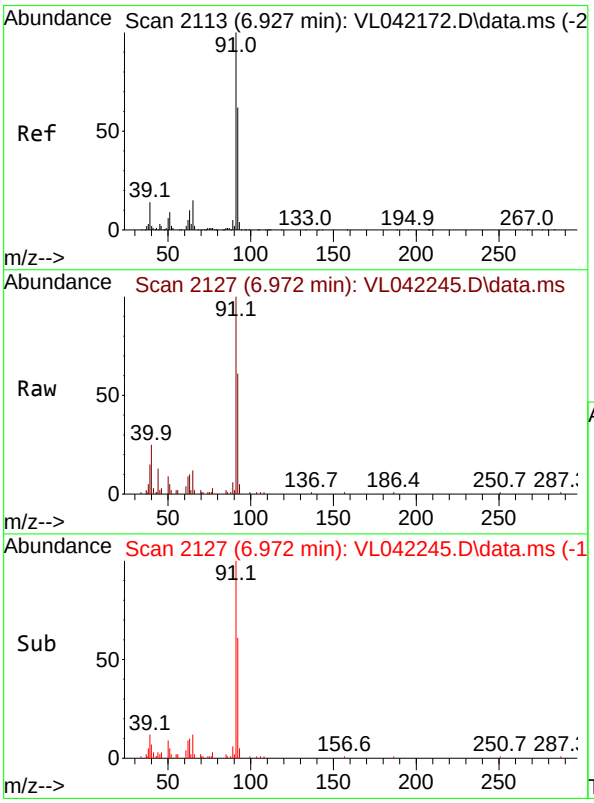
#39
1,2-Dichloropropane
Concen: 7.248 ppbv
RT: 3.985 min Scan# 1
Delta R.T. -0.327 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 63 Resp: 129244

Ion	Ratio	Lower	Upper
63	100		
41	0.3	61.7	92.5#
62	16.8	57.6	86.4#

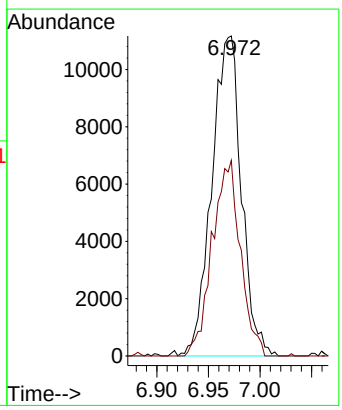


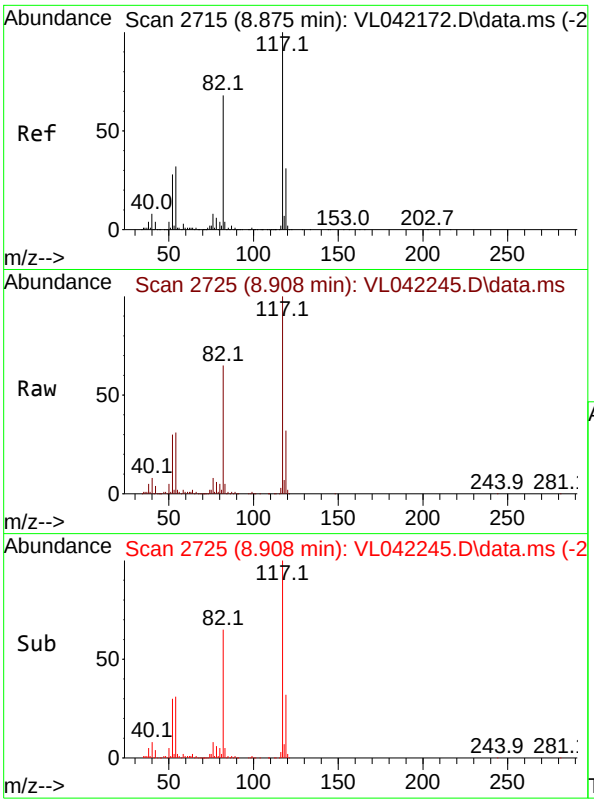


#53
Toluene
Concen: 0.384 ppbv
RT: 6.972 min Scan# 2127
Delta R.T. 0.045 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 91 Resp: 22311

Ion	Ratio	Lower	Upper
91	100		
92	57.9	48.4	72.6



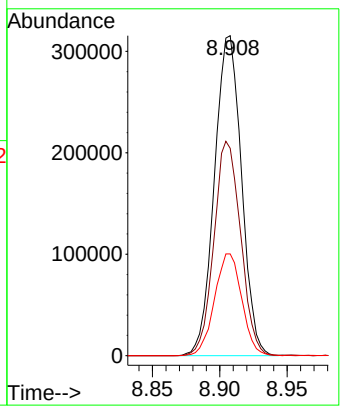


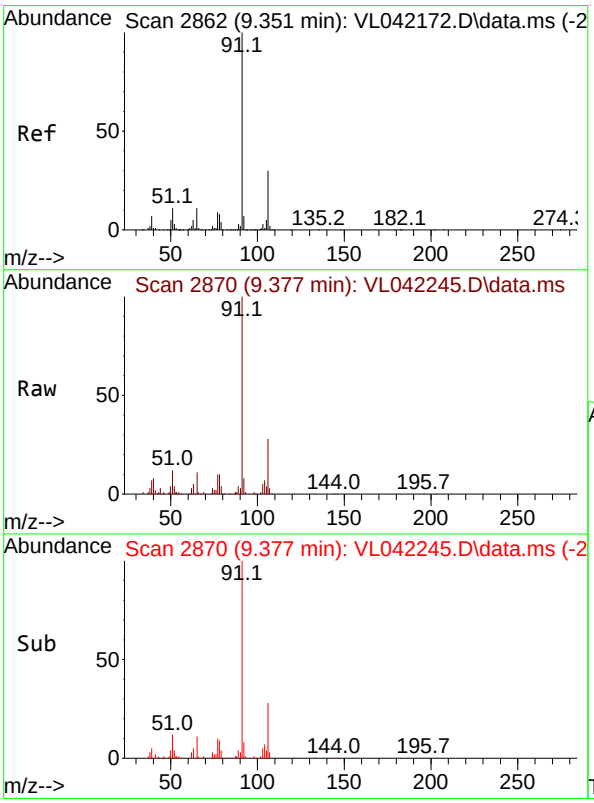
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion:117 Resp: 441320

Ion	Ratio	Lower	Upper
117	100		
82	66.1	55.8	83.6
119	32.1	25.5	38.3

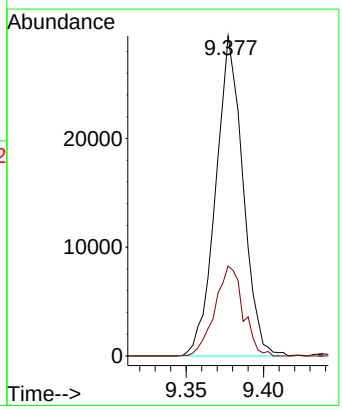


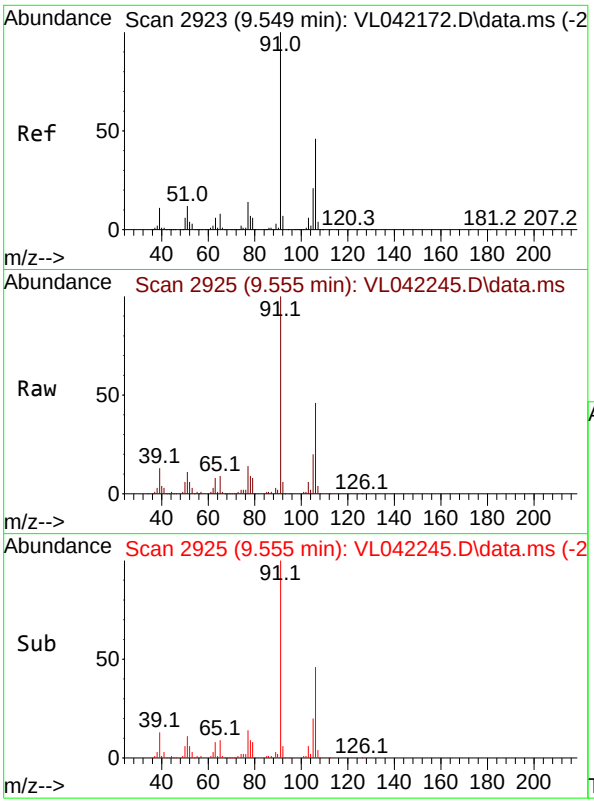


#58
Ethyl Benzene
Concen: 0.458 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 91 Resp: 35929

Ion	Ratio	Lower	Upper
91	100		
106	28.1	24.2	36.2



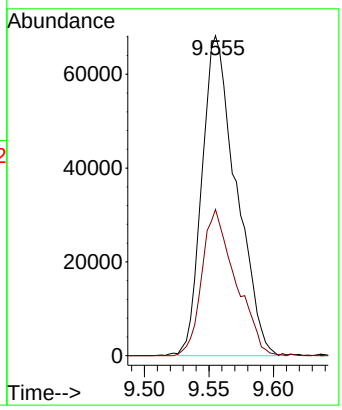


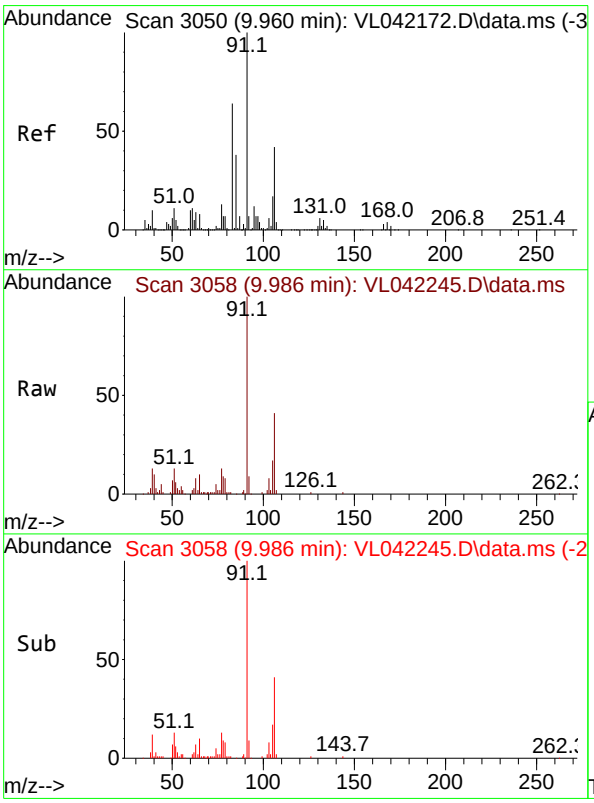
#59
m/p-Xylene
Concen: 2.006 ppbv
RT: 9.555 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion: 91 Resp: 125540

Ion	Ratio	Lower	Upper
91	100		
106	45.2	36.4	54.6

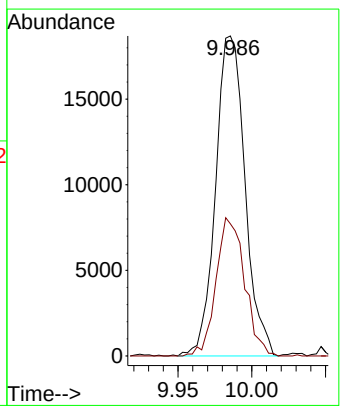


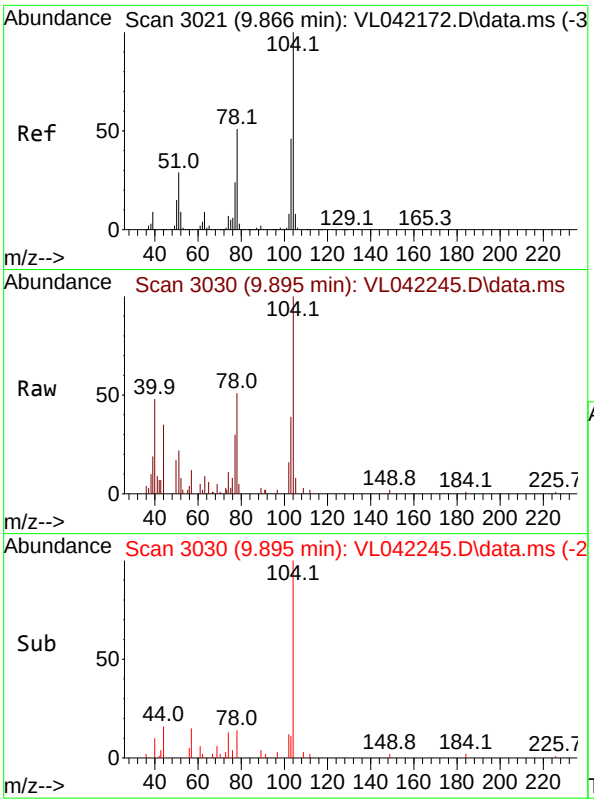


#60
o-Xylene
Concen: 0.413 ppbv
RT: 9.986 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 91 Resp: 25937

Ion	Ratio	Lower	Upper
91	100		
106	41.9	20.8	62.5



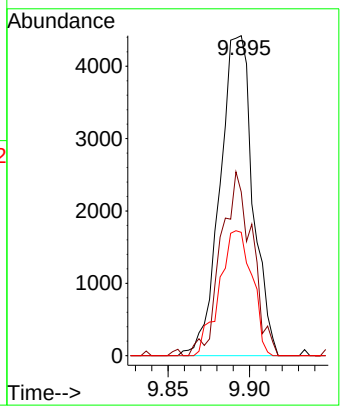


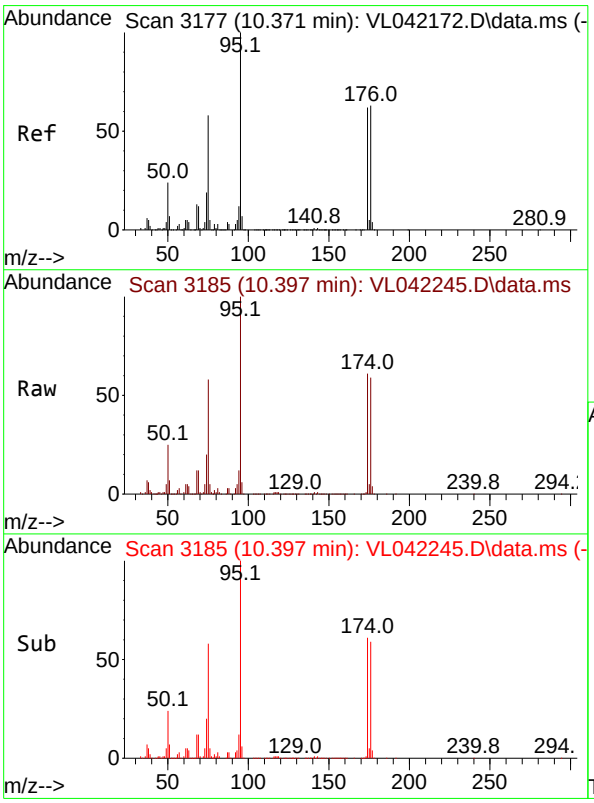
#61
Styrene
Concen: 0.200 ppbv
RT: 9.895 min Scan# 3
Delta R.T. 0.029 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion:104 Resp: 6211

Ion	Ratio	Lower	Upper
104	100		
78	55.5	41.8	62.6
103	38.8	37.0	55.4

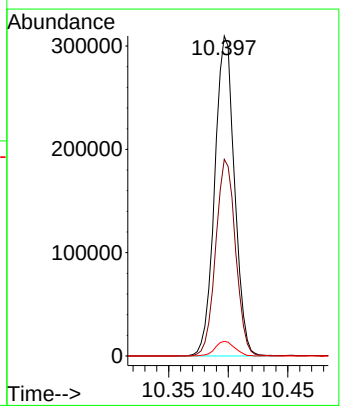


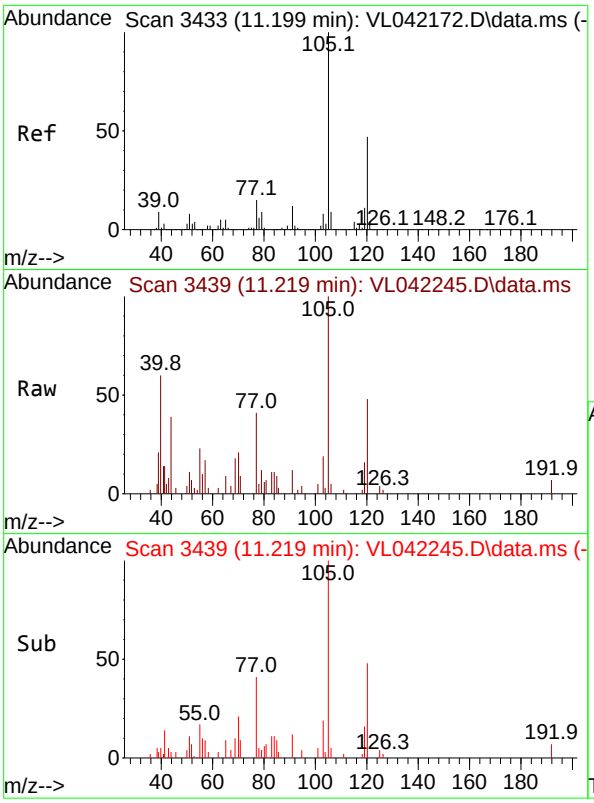


#68
1-Bromo-4-Fluorobenzene
Concen: 9.853 ppbv
RT: 10.397 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Tgt Ion: 95 Resp: 357099

Ion	Ratio	Lower	Upper
95	100		
174	61.9	50.6	76.0
175	4.6	3.8	5.6



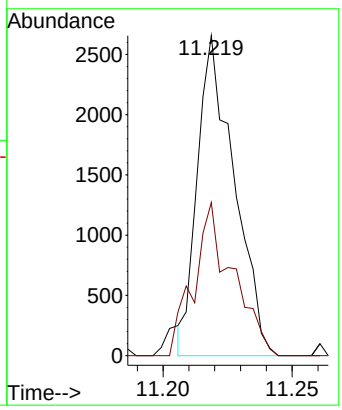


#73
1,3,5-Trimethylbenzene
Concen: 0.039 ppbv
RT: 11.219 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042245.D
Acq: 07 Apr 2025 22:40

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B14-3-04012025

Tgt Ion:105 Resp: 2628

Ion	Ratio	Lower	Upper
105	100		
120	47.9	37.4	56.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Quant Time: Apr 08 01:38:20 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	2.803	49	194534	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.985	114	495845	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	437126	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.396	95	361726	10.077	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	3454	0.120	ppbv		95
3) Chlorodifluoromethane	1.473	51	11455	0.390	ppbv	#	66
4) Chloromethane	1.538	50	1900	0.162	ppbv		96
9) Propene	1.897	41	225725	16.783	ppbv		87
11) Trichlorofluoromethane	1.887	101	1623	0.058	ppbv		88
13) Ethanol	1.732	45	1184959	932.018	ppbv		87
15) Acetone	1.845	43	1081614	39.756	ppbv		98
16) 1,3-Butadiene	1.496	39	14224	1.071	ppbv	#	13
17) tert-Butyl alcohol	1.897	59	88824	2.621	ppbv		95
19) Isopropyl Alcohol	1.897	45	1799475	117.225	ppbv	#	32
20) Methylene Chloride	2.075	84	17220	1.699	ppbv		96
21) Allyl Chloride	1.897	41	225725	11.764	ppbv	#	76
23) Vinyl Acetate	2.492	43	1963	0.167	ppbv	#	65
25) Ethyl Acetate	2.855	43	23565	0.334	ppbv		97
26) Hexane	2.845	57	13903	0.510	ppbv	#	63
29) Chloroform	2.865	83	14300	0.358	ppbv		94
34) 2-Butanone	2.573	43	176547	4.910	ppbv		98
36) Benzene	3.680	78	1853	0.038	ppbv	#	92
39) 1,2-Dichloropropane	3.981	63	129329	7.224	ppbv	#	22
41) Tetrahydrofuran	3.088	42	4558	0.220	ppbv		96
52) Tetrachloroethene	8.250	164	12097	0.621	ppbv		88
66) Benzyl Chloride	11.947	91	1899	0.208	ppbv	#	66
69) p-Isopropyltoluene	11.943	119	4989	0.048	ppbv	#	70
70) n-Butylbenzene	12.439	91	8947	0.085	ppbv	#	37
74) 1,2,4-Trimethylbenzene	11.552	105	4585	0.059	ppbv	#	72

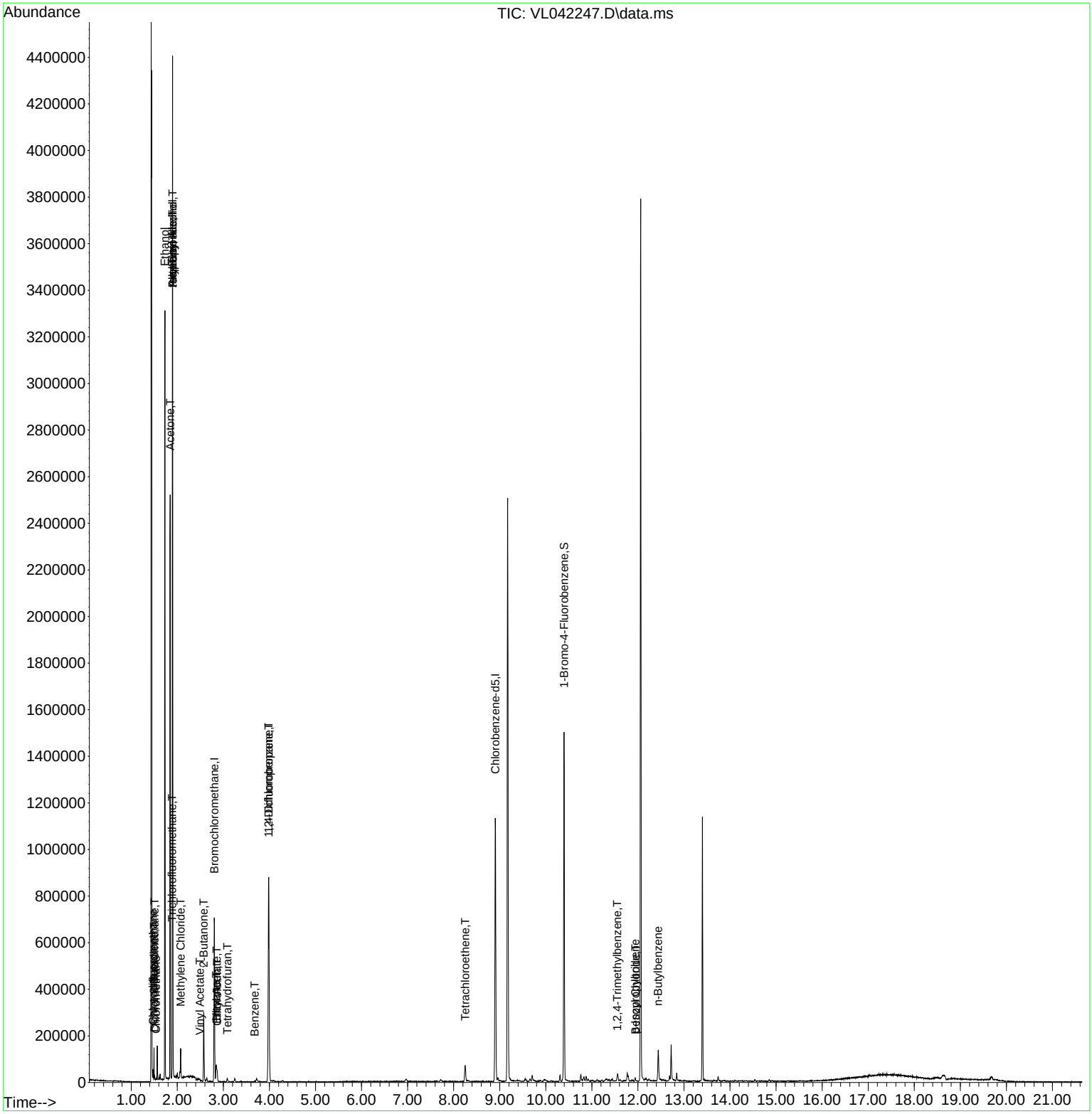
(#) = qualifier out of range (m) = manual integration (+) = signals summed

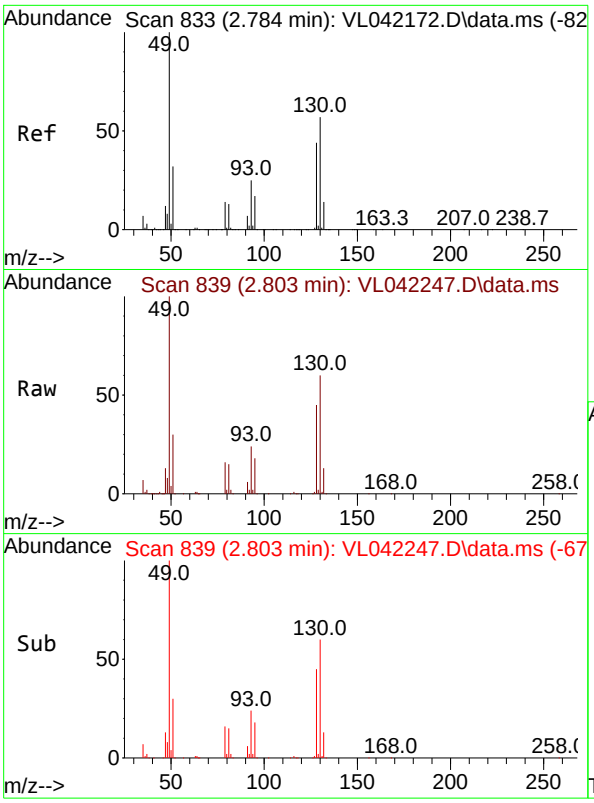
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042247.D
Acq On : 07 Apr 2025 23:41
Operator : SY/MD
Sample : Q1725-06 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Quant Time: Apr 08 01:38:20 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



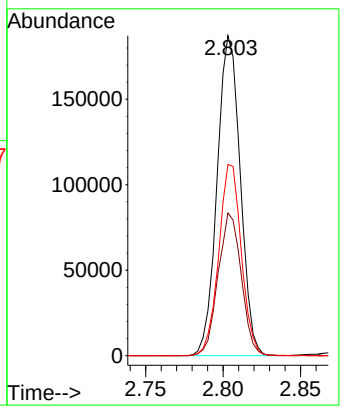


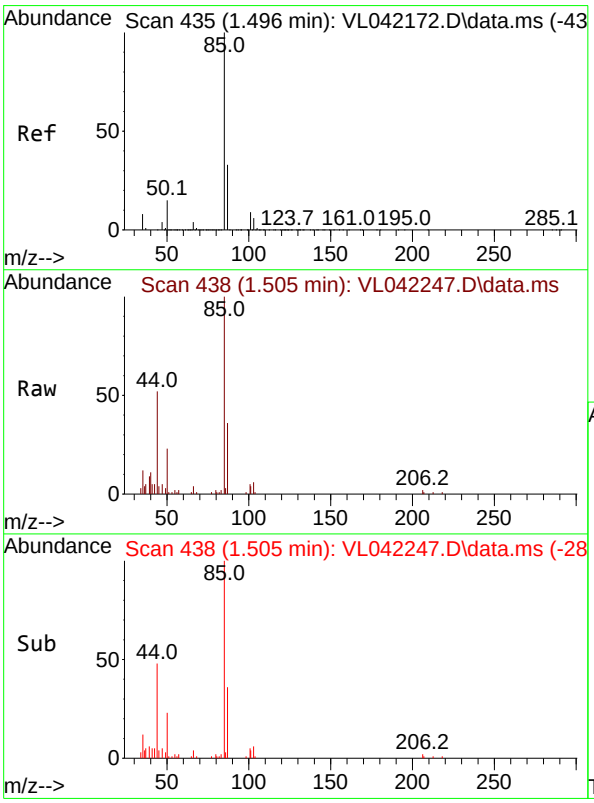
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 49 Resp: 194534

Ion	Ratio	Lower	Upper
49	100		
128	44.5	22.9	68.5
130	58.5	28.8	86.4

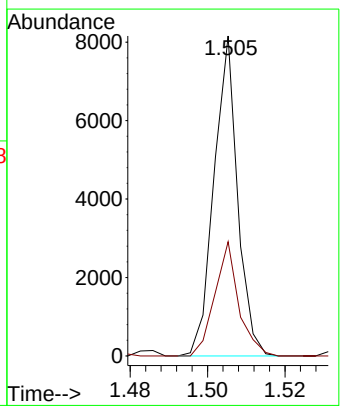


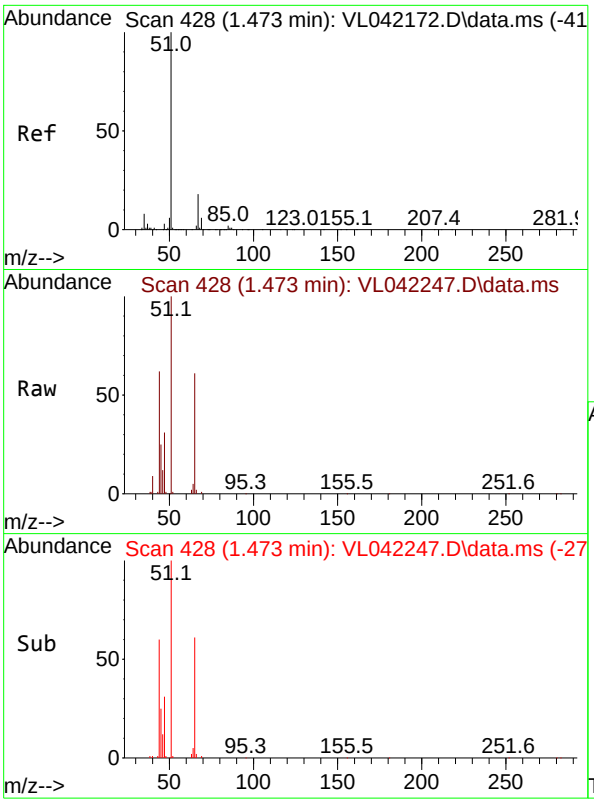


#2
Dichlorodifluoromethane
Concen: 0.120 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 85 Resp: 3454

Ion	Ratio	Lower	Upper
85	100		
87	35.7	26.1	39.1



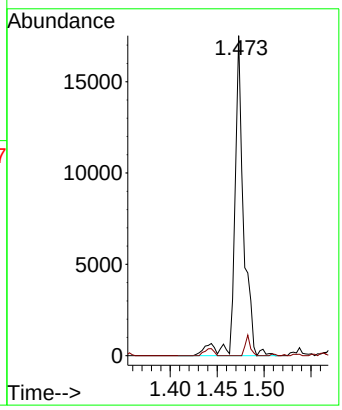


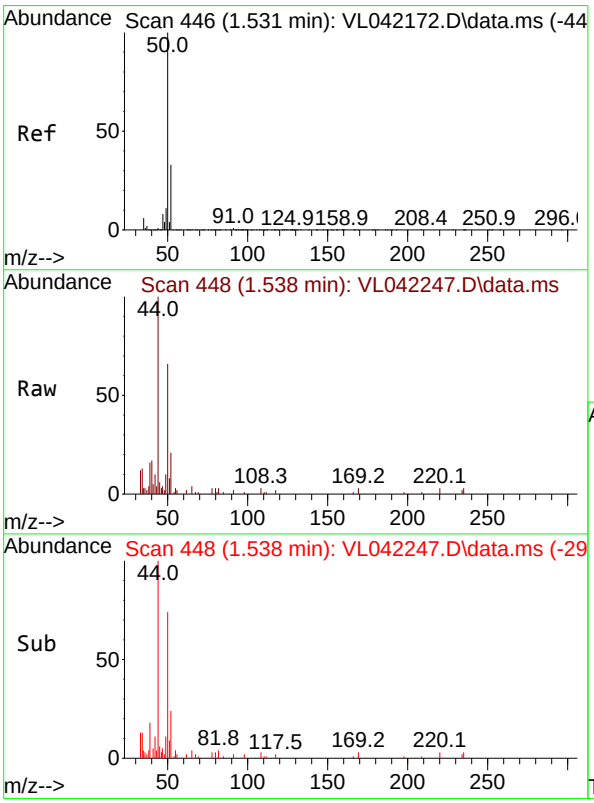
#3
Chlorodifluoromethane
Concen: 0.390 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 51 Resp: 11455

Ion	Ratio	Lower	Upper
51	100		
67	3.7	15.0	22.6#

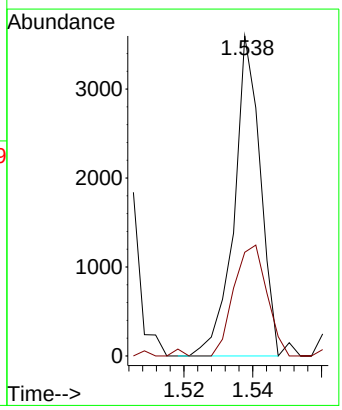


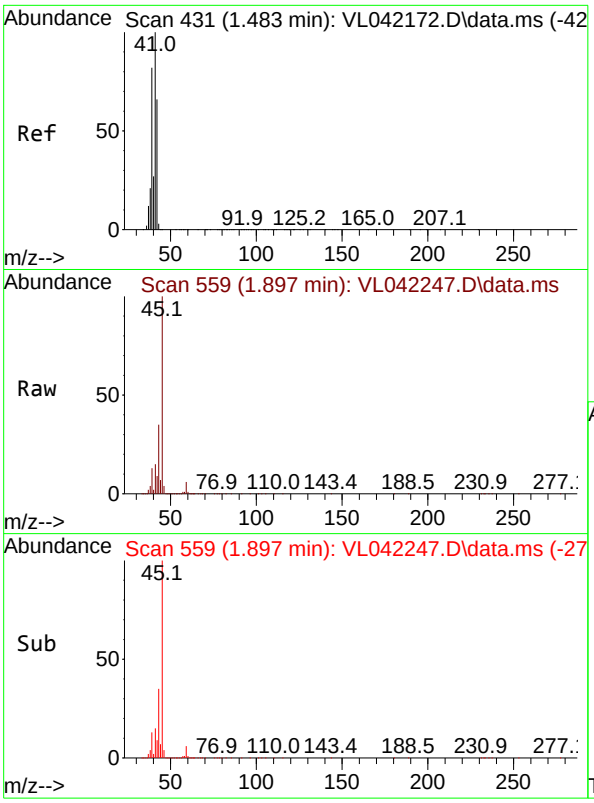


#4
Chloromethane
Concen: 0.162 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 50 Resp: 1900

Ion	Ratio	Lower	Upper
50	100		
52	30.3	26.1	39.1



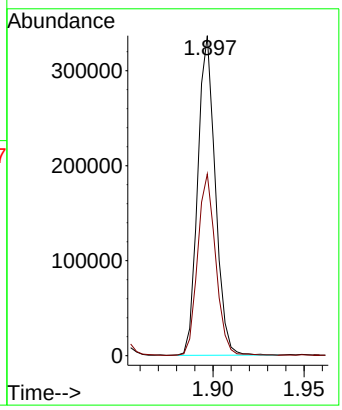


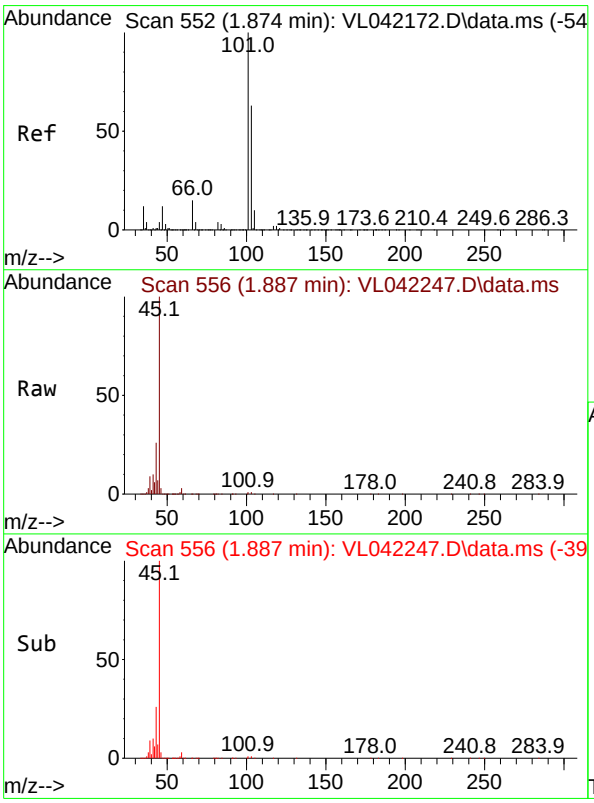
#9
Propene
Concen: 16.783 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.414 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 41 Resp: 225725

Ion	Ratio	Lower	Upper
41	100		
42	58.5	55.4	83.2

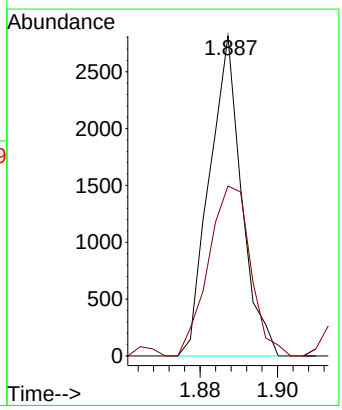


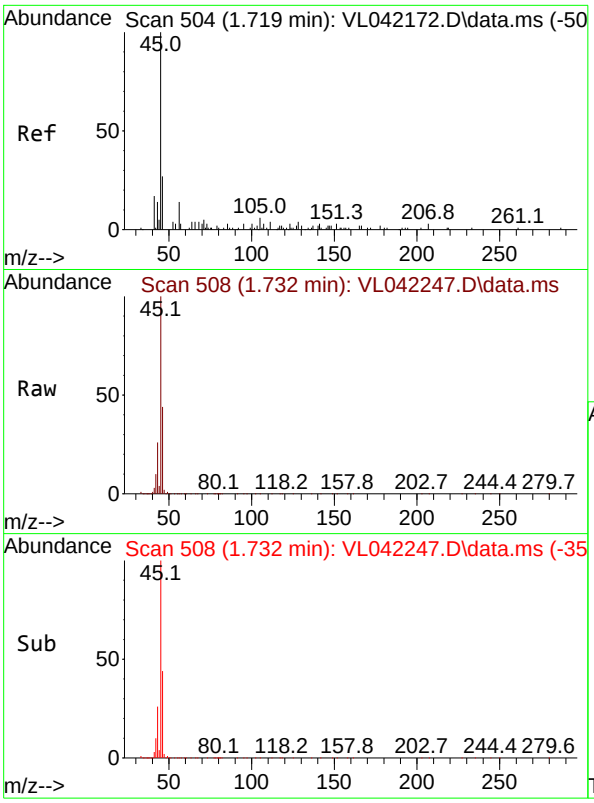


#11
Trichlorofluoromethane
Concen: 0.058 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion:101 Resp: 1623

Ion	Ratio	Lower	Upper
101	100		
103	53.1	50.2	75.2



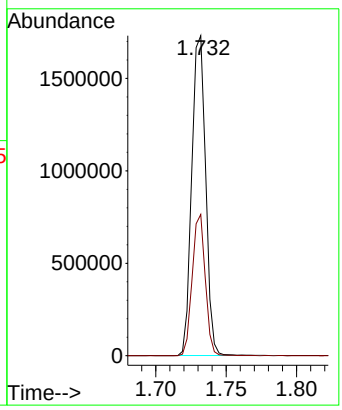


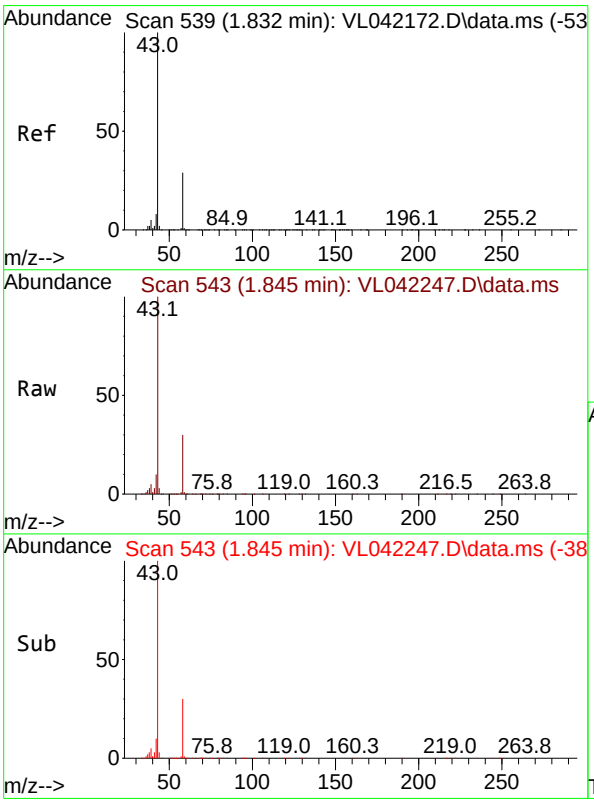
#13
Ethanol
Concen: 932.018 ppbv
RT: 1.732 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 45 Resp: 1184959

Ion	Ratio	Lower	Upper
45	100		
46	41.7	20.2	80.8

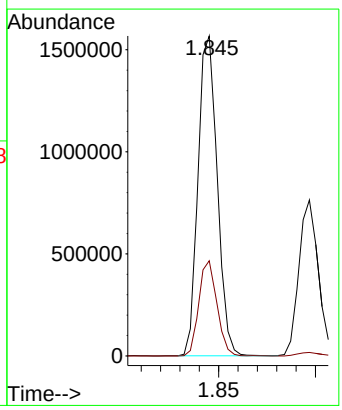


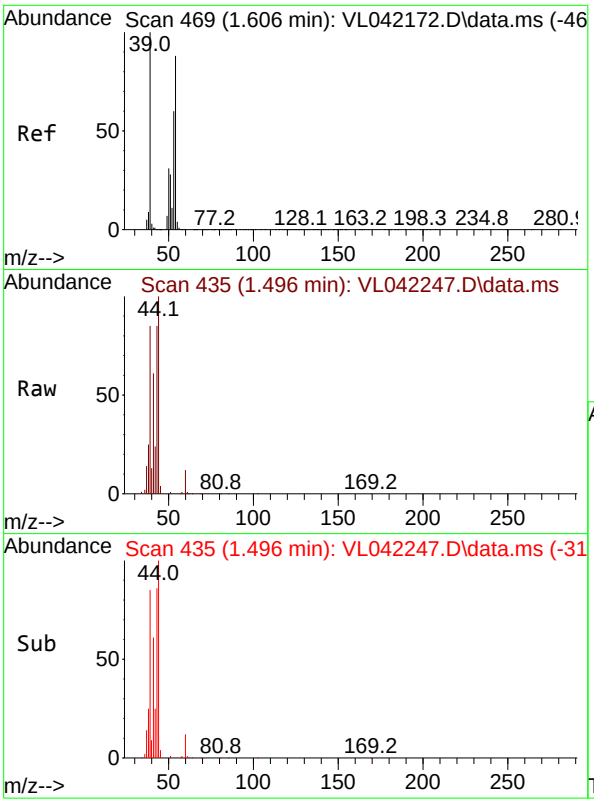


#15
Acetone
Concen: 39.756 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 43 Resp: 1081614

Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.2	34.8



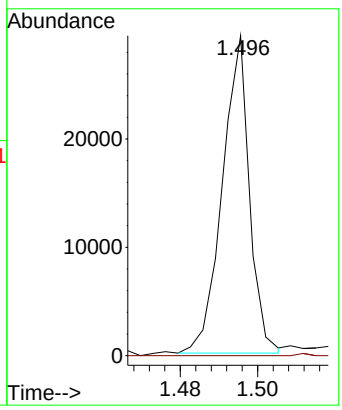


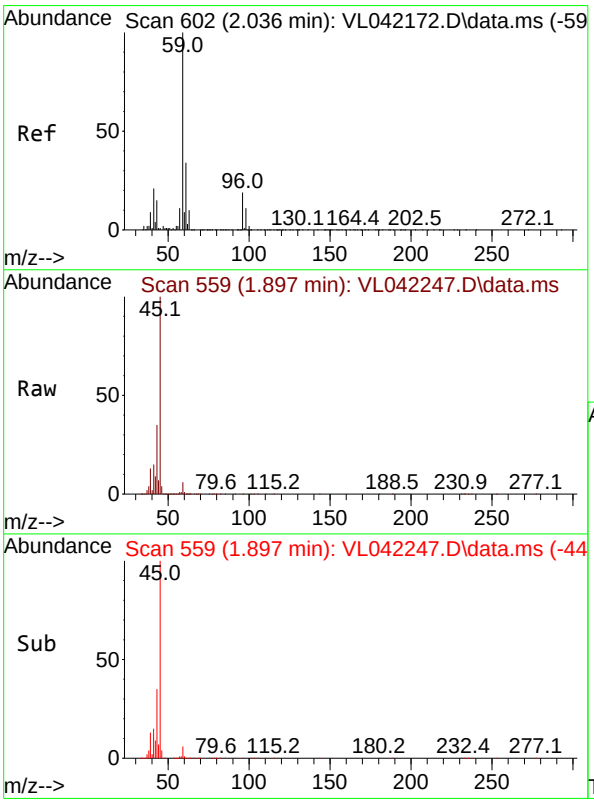
#16
1,3-Butadiene
Concen: 1.071 ppbv
RT: 1.496 min Scan# 4
Delta R.T. -0.110 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 39 Resp: 14224

Ion	Ratio	Lower	Upper
39	100		
54	0.9	60.7	91.1#

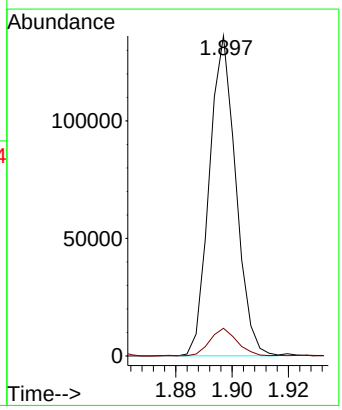


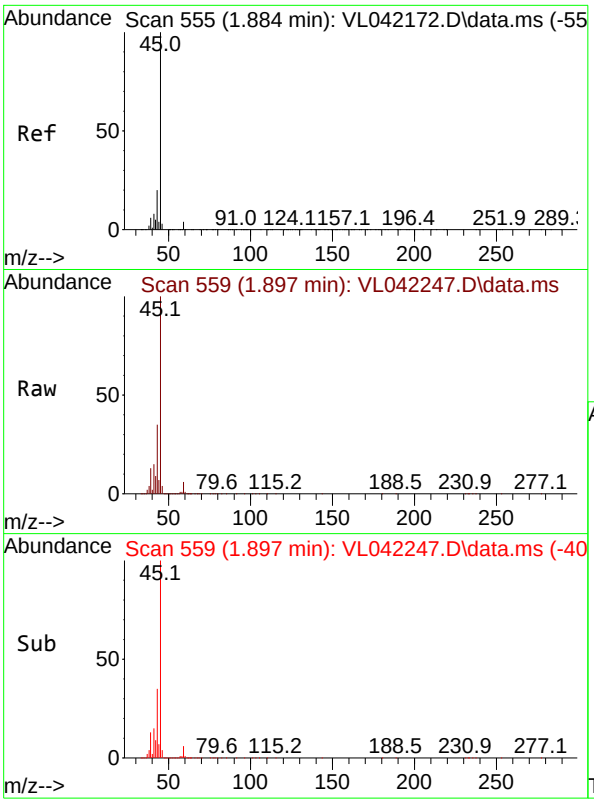


#17
tert-Butyl alcohol
Concen: 2.621 ppbv
RT: 1.897 min Scan# 559
Delta R.T. -0.139 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 59 Resp: 88824

Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.9	13.3



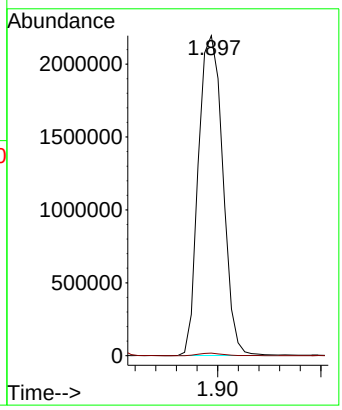


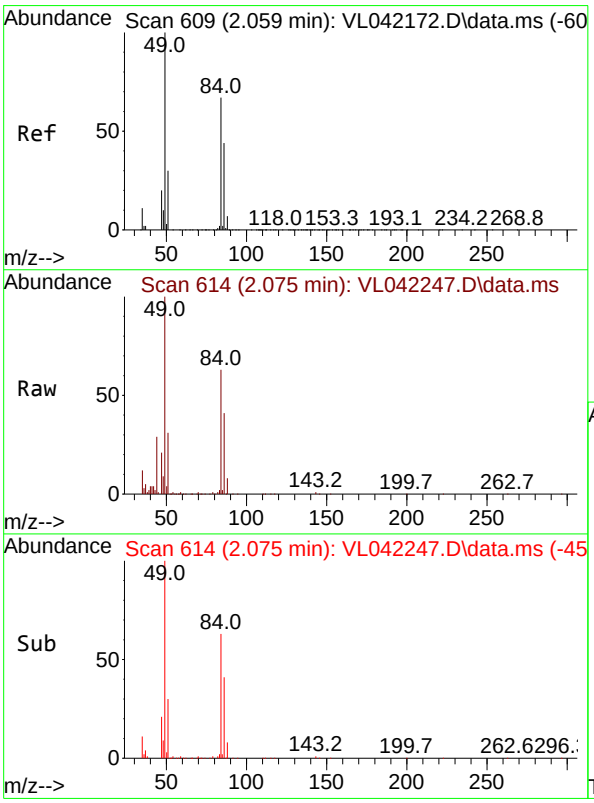
#19
Isopropyl Alcohol
Concen: 117.225 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 45 Resp: 1799475

Ion	Ratio	Lower	Upper
45	100		
58	0.9	36.9	55.3#

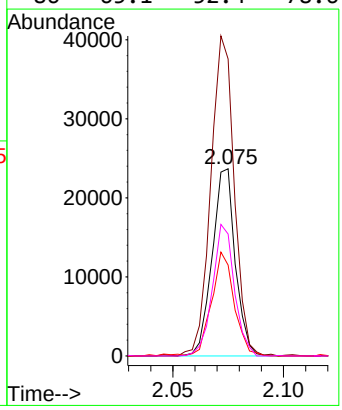


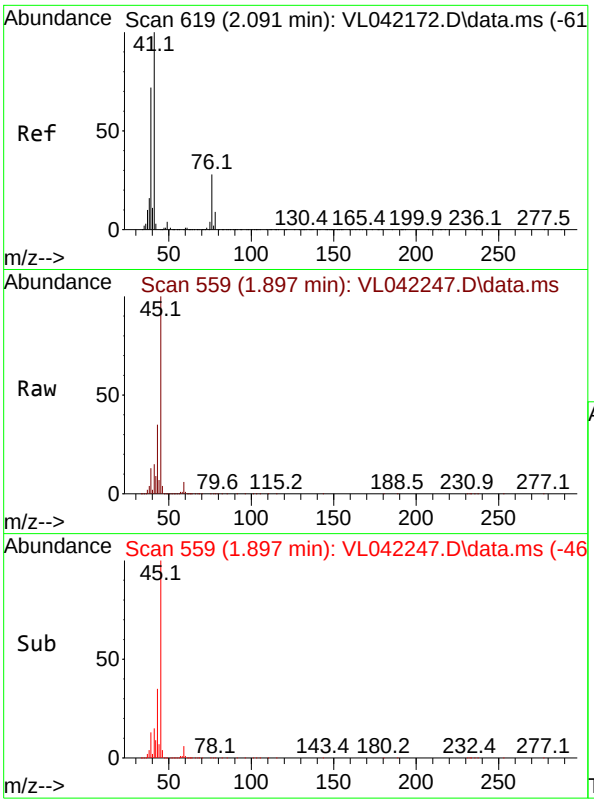


#20
Methylene Chloride
Concen: 1.699 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 84 Resp: 17220

Ion	Ratio	Lower	Upper
84	100		
49	158.6	120.2	180.4
51	48.5	37.4	56.0
86	65.1	52.4	78.6



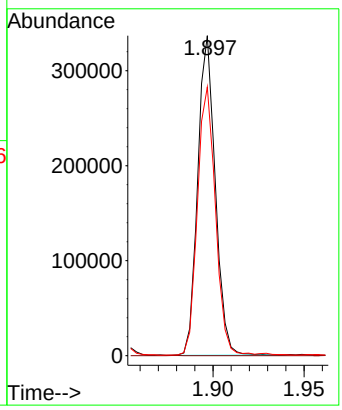


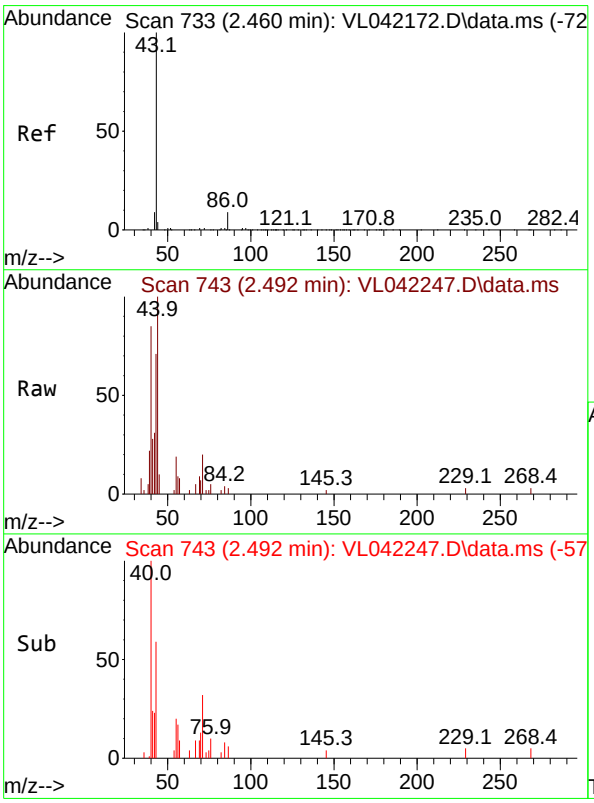
#21
Allyl Chloride
Concen: 11.764 ppbv
RT: 1.897 min Scan# 5
Delta R.T. -0.194 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 41 Resp: 225725

Ion	Ratio	Lower	Upper
41	100		
76	0.1	24.1	36.1#
39	86.6	61.1	91.7

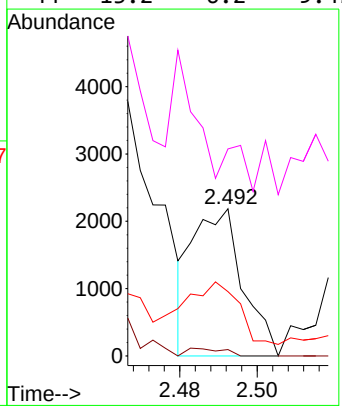


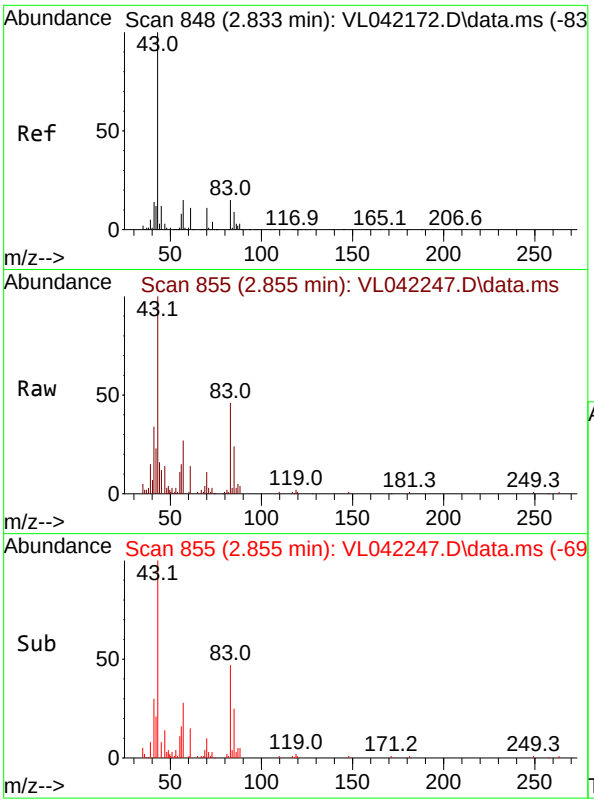


#23
Vinyl Acetate
Concen: 0.167 ppbv
RT: 2.492 min Scan# 743
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 43 Resp: 1963

Ion	Ratio	Lower	Upper
43	100		
86	4.3	5.5	8.3#
42	35.9	8.6	13.0#
44	13.2	6.2	9.4#



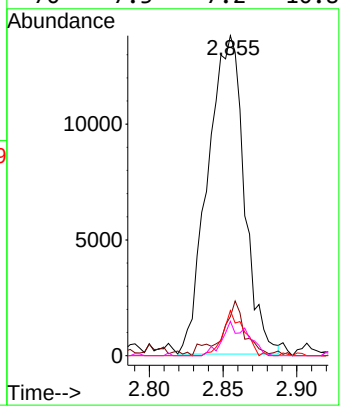


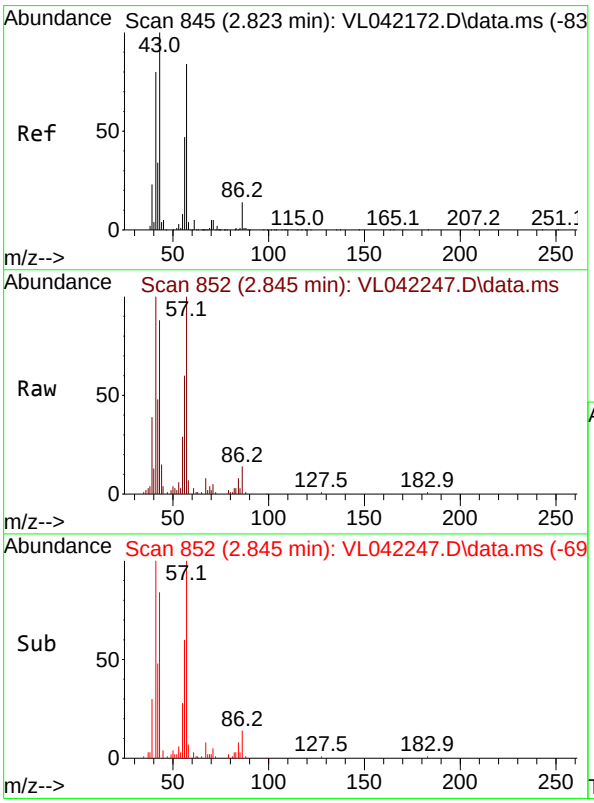
#25
Ethyl Acetate
Concen: 0.334 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.022 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 43 Resp: 23565

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.2	12.2
61	8.1	7.3	10.9
70	7.3	7.2	10.8

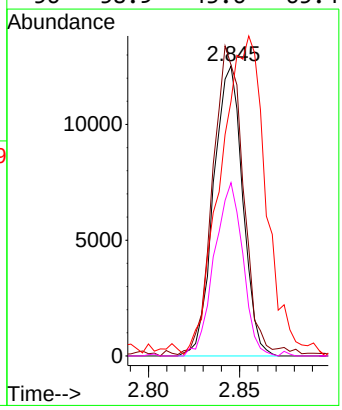


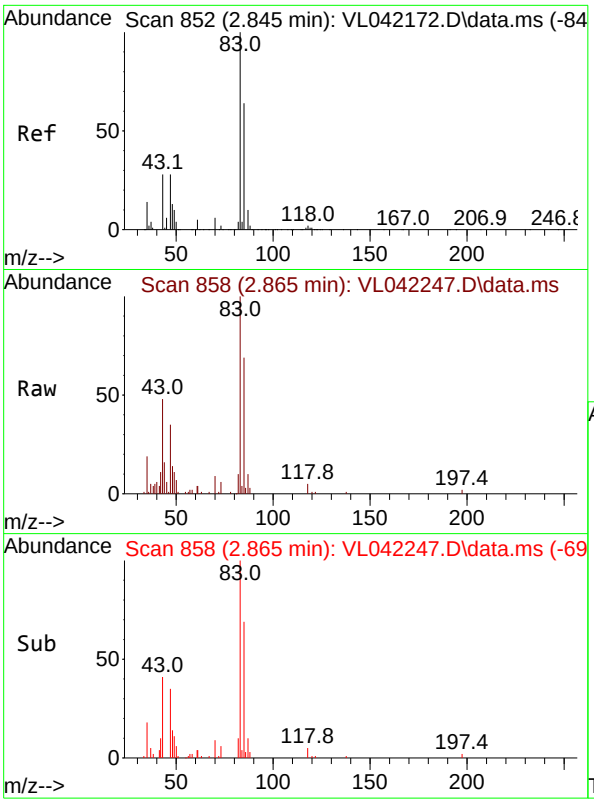


#26
Hexane
Concen: 0.510 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.022 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 57 Resp: 13903

Ion	Ratio	Lower	Upper
57	100		
41	116.7	76.6	114.8#
43	171.7	207.8	311.8#
56	58.9	43.6	65.4



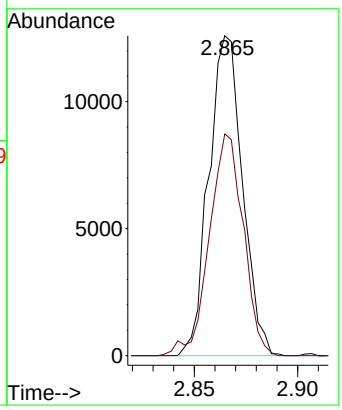


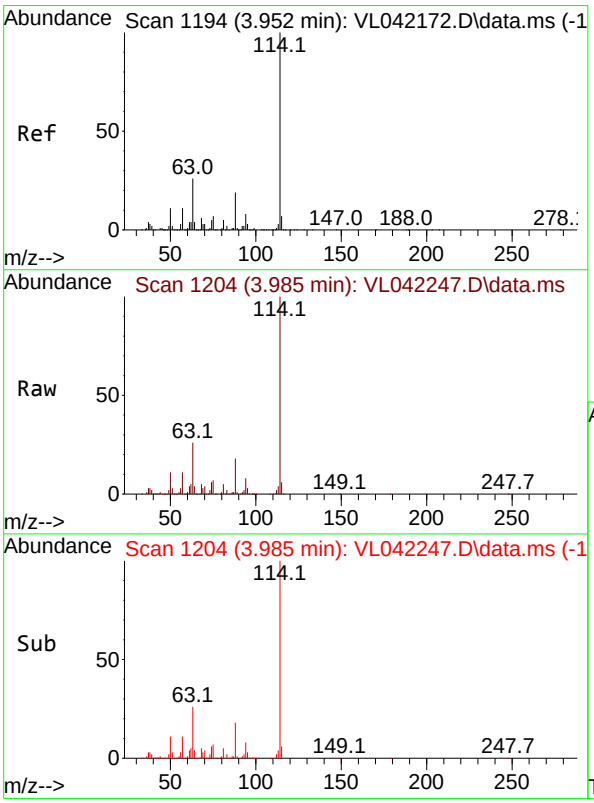
#29
Chloroform
Concen: 0.358 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 83 Resp: 14300

Ion	Ratio	Lower	Upper
83	100		
85	69.3	51.4	77.2

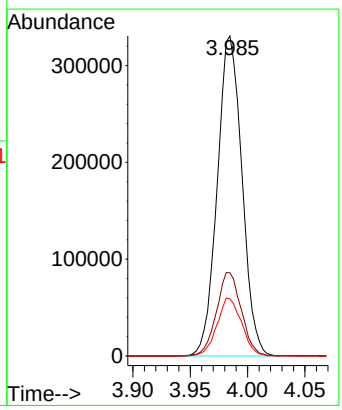


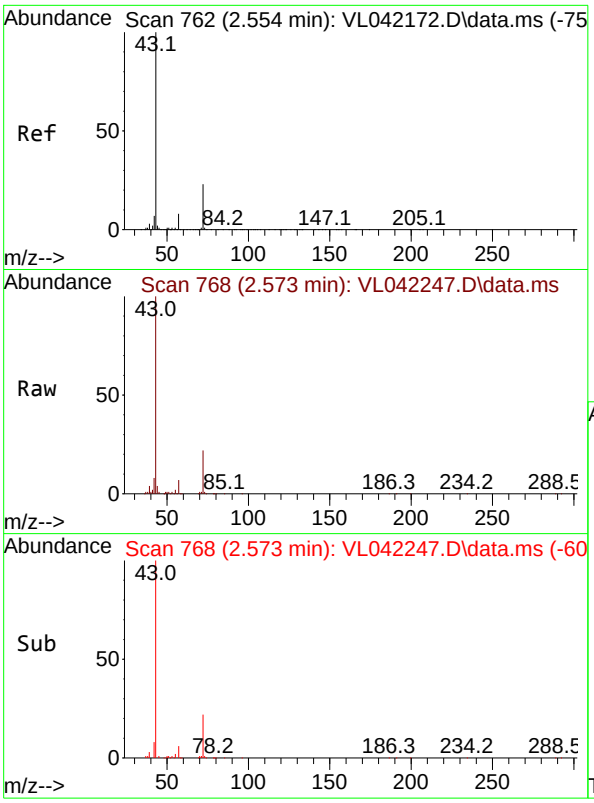


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion:114 Resp: 495845

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	18.0	15.0	22.4



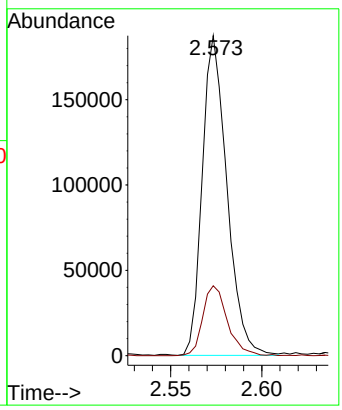


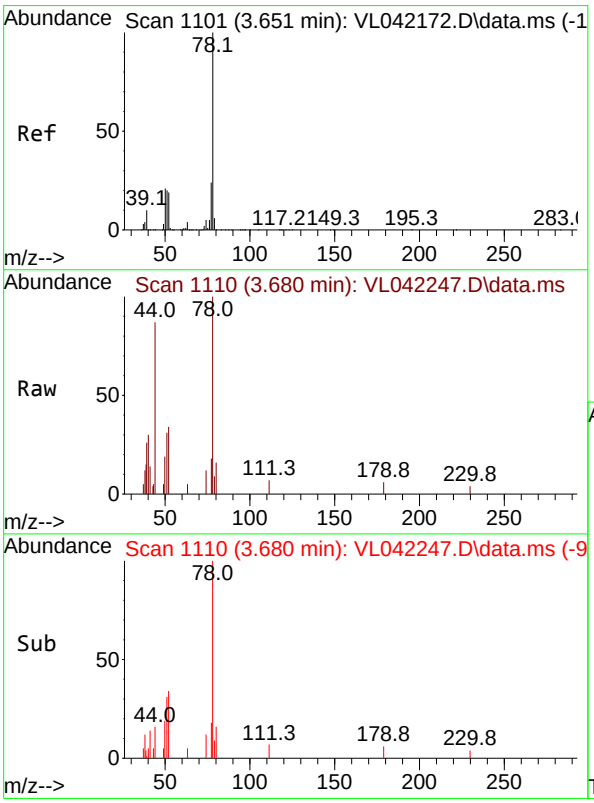
#34
2-Butanone
Concen: 4.910 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 43 Resp: 176547

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2

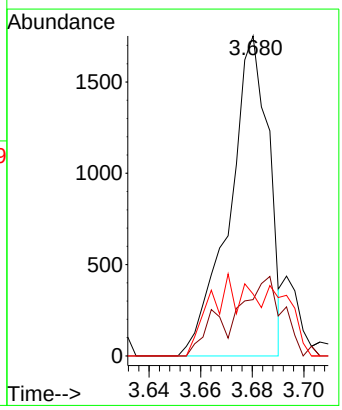


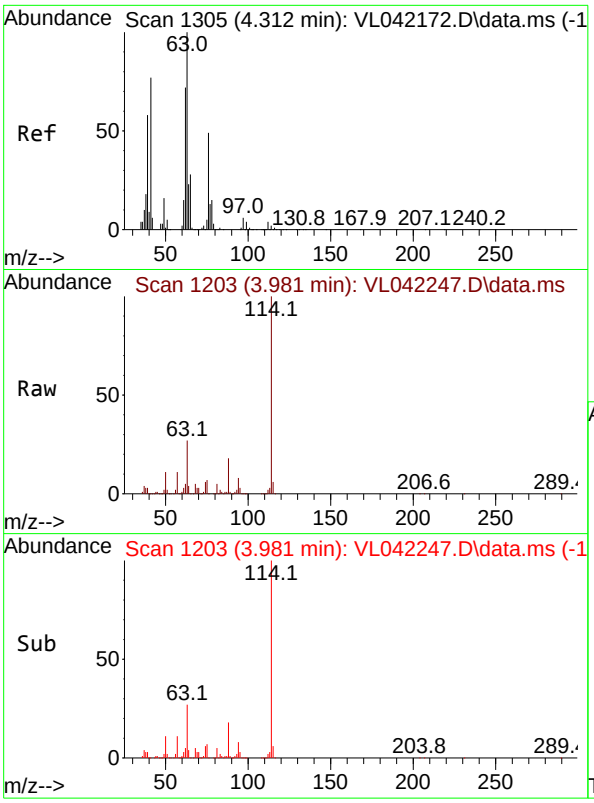


#36
Benzene
Concen: 0.038 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 78 Resp: 1853

Ion	Ratio	Lower	Upper
78	100		
77	17.6	19.1	28.7#
50	19.3	16.6	24.8



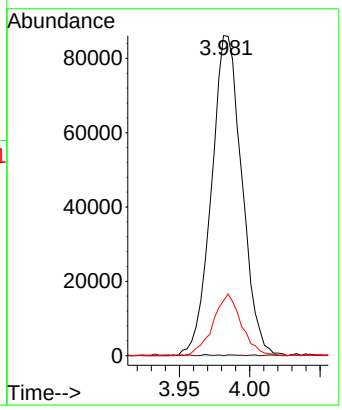


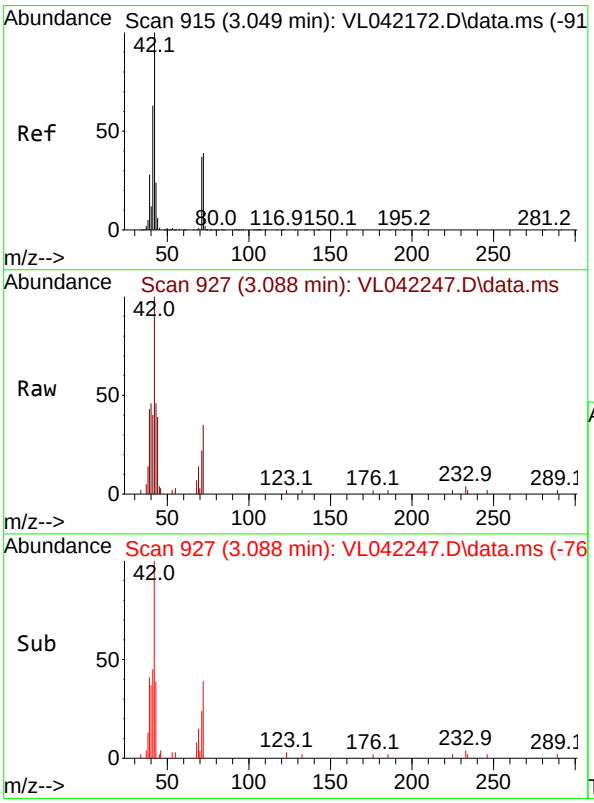
#39
1,2-Dichloropropane
Concen: 7.224 ppbv
RT: 3.981 min Scan# 1
Delta R.T. -0.330 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 63 Resp: 129329

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.7	92.5#
62	16.9	57.6	86.4#

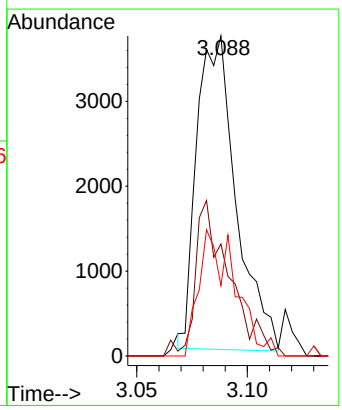


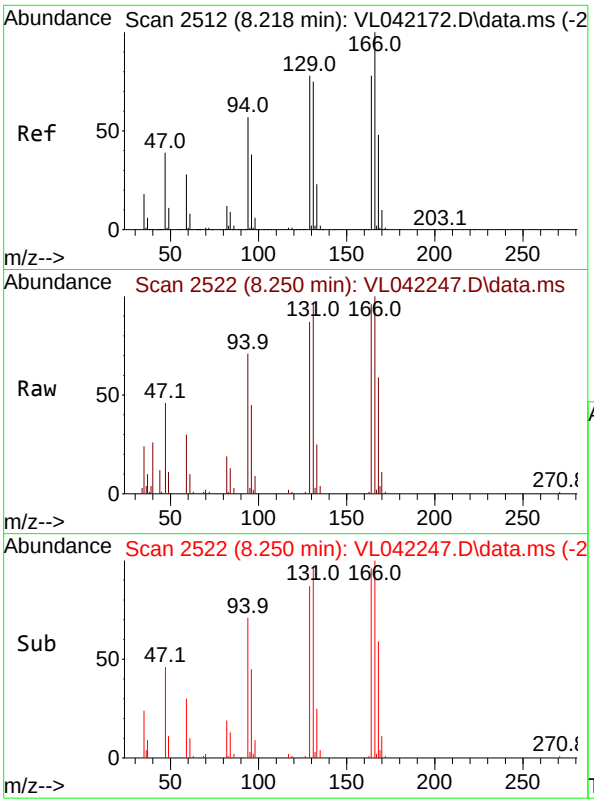


#41
Tetrahydrofuran
Concen: 0.220 ppbv
RT: 3.088 min Scan# 927
Delta R.T. 0.039 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 42 Resp: 4558

Ion	Ratio	Lower	Upper
42	100		
72	43.3	31.4	47.0
71	37.4	30.2	45.4



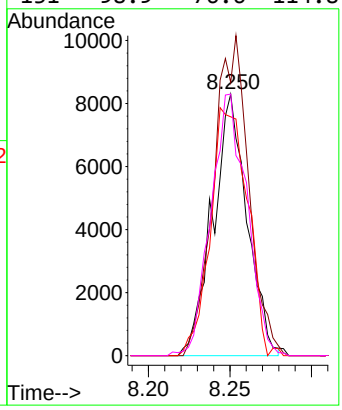


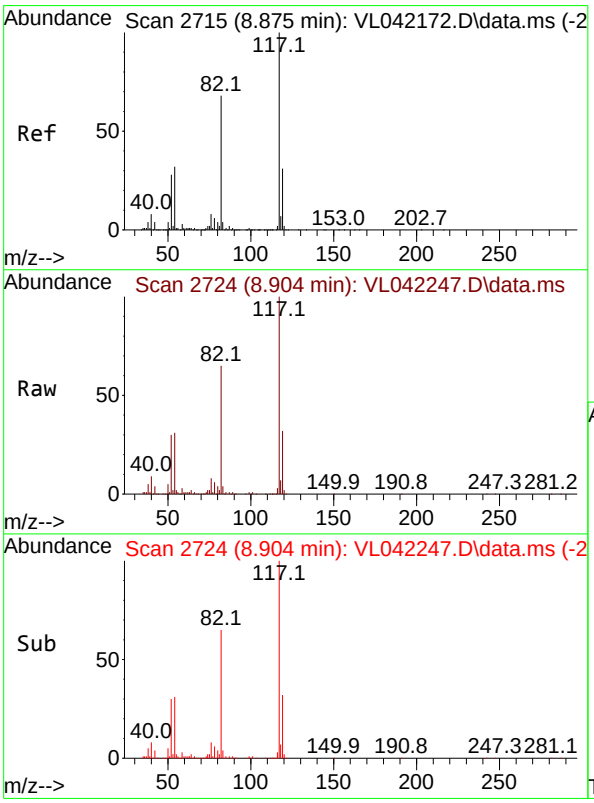
#52
Tetrachloroethene
Concen: 0.621 ppbv
RT: 8.250 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion:164 Resp: 12097

Ion	Ratio	Lower	Upper
164	100		
166	104.5	102.5	153.7
129	91.4	79.8	119.8
131	98.9	76.6	114.8

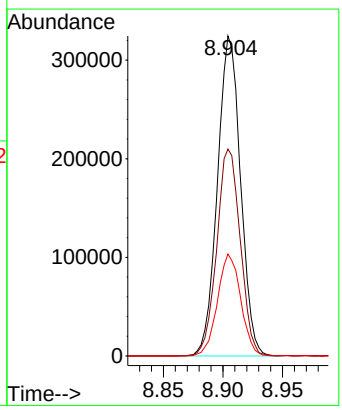


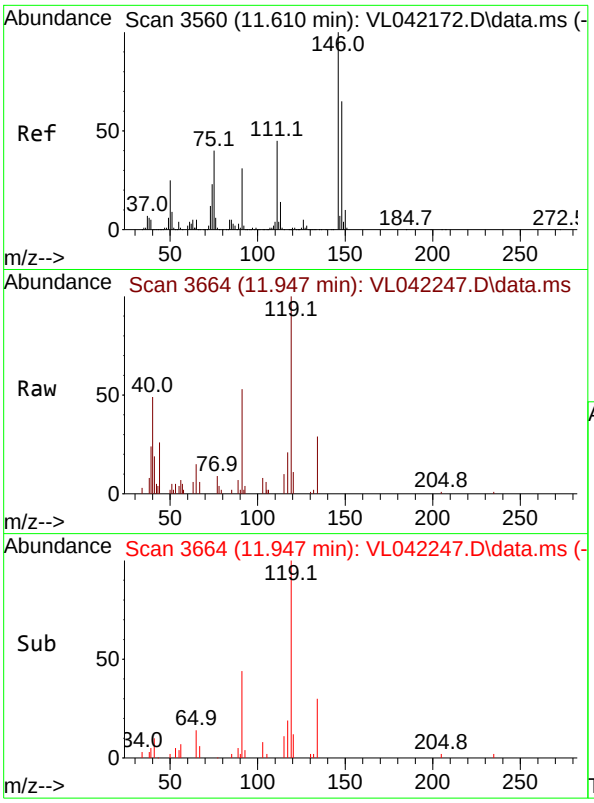


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion:117 Resp: 437126

Ion	Ratio	Lower	Upper
117	100		
82	65.8	55.8	83.6
119	32.2	25.5	38.3



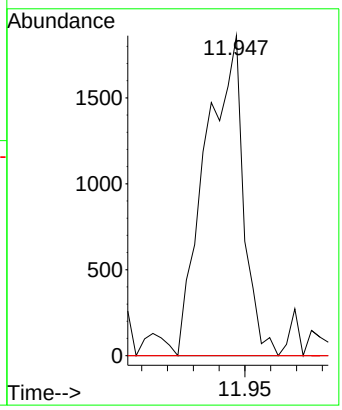


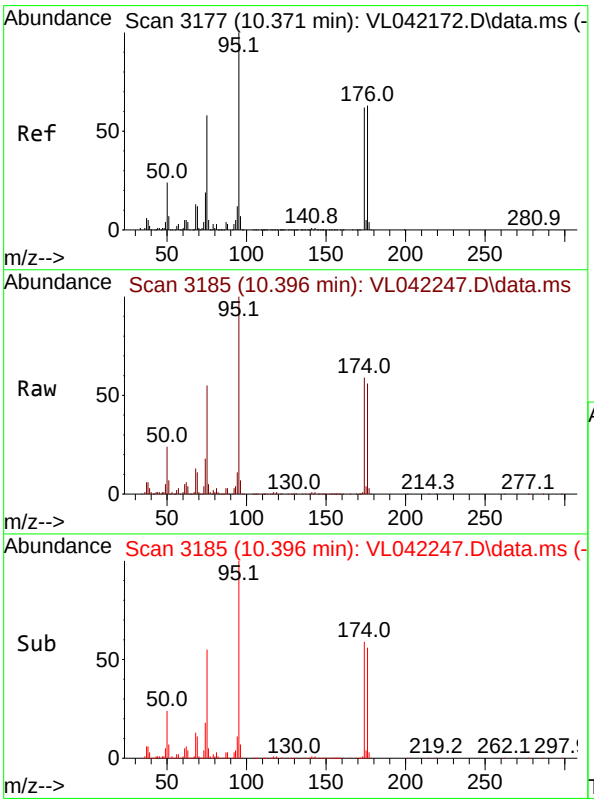
#66
Benzyl Chloride
Concen: 0.208 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.336 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion: 91 Resp: 1899

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.6#
128	0.0	4.5	6.7#

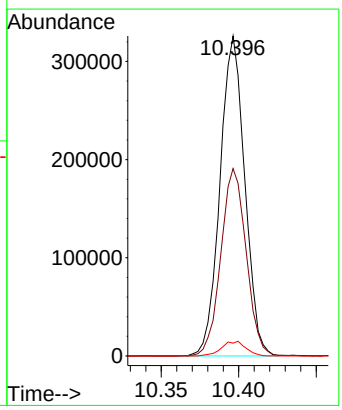


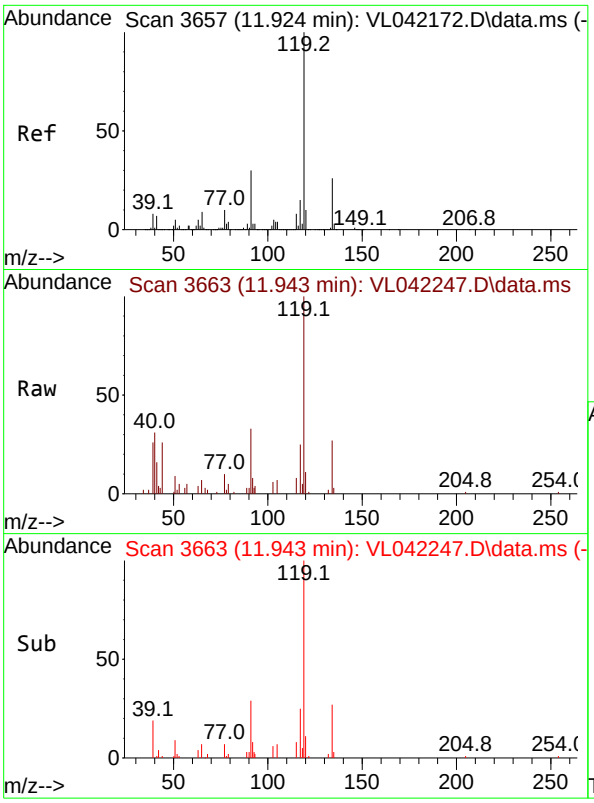


#68
1-Bromo-4-Fluorobenzene
Concen: 10.077 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 95 Resp: 361726

Ion	Ratio	Lower	Upper
95	100		
174	59.9	50.6	76.0
175	4.5	3.8	5.6



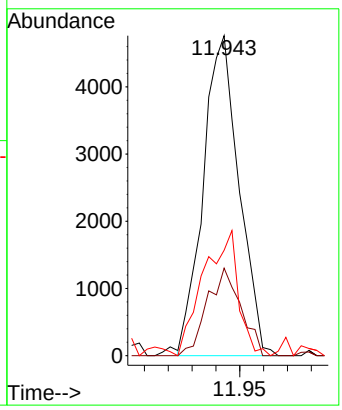


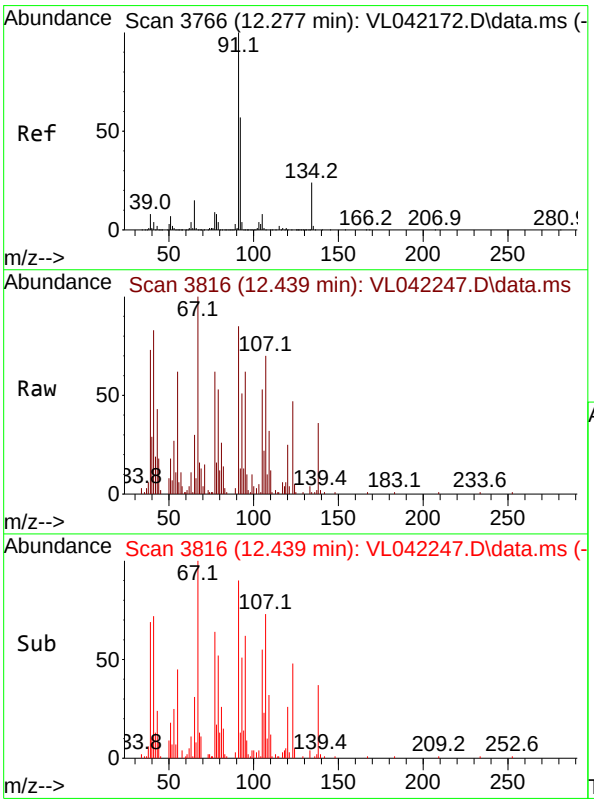
#69
p-Isopropyltoluene
Concen: 0.048 ppbv
RT: 11.943 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion:119 Resp: 4989

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.4	30.6
91	0.0	23.7	35.5#

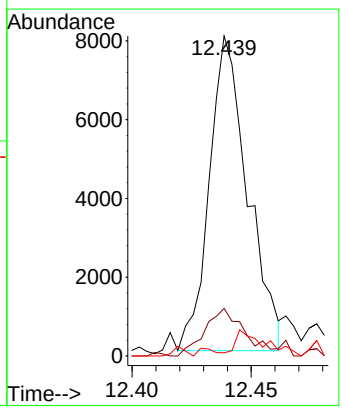


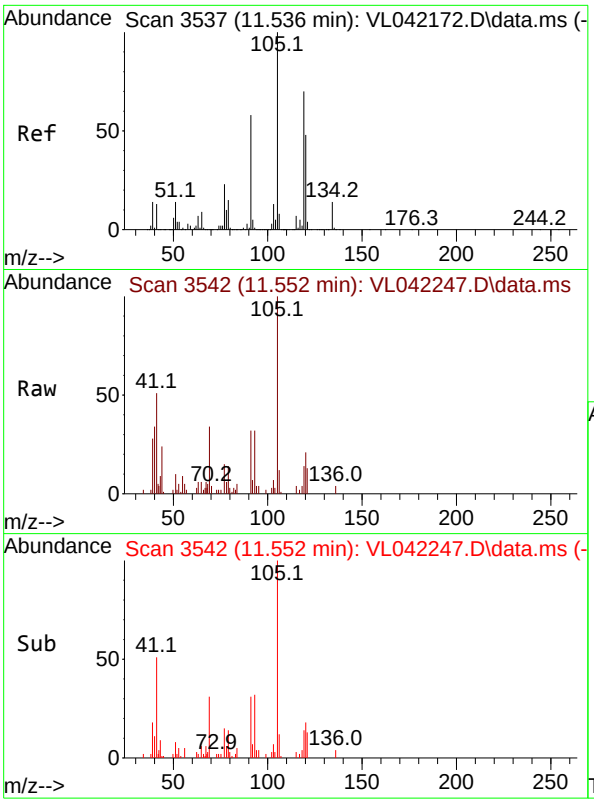


#70
n-Butylbenzene
Concen: 0.085 ppbv
RT: 12.439 min Scan# 3816
Delta R.T. 0.162 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Tgt Ion: 91 Resp: 8947

Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.9	67.3#
134	9.6	19.2	28.8#



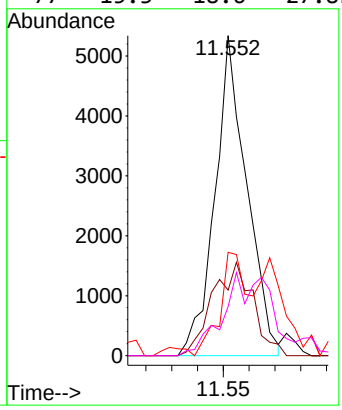


#74
1,2,4-Trimethylbenzene
Concen: 0.059 ppbv
RT: 11.552 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042247.D
Acq: 07 Apr 2025 23:41

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025

Tgt Ion:105 Resp: 4585

Ion	Ratio	Lower	Upper
105	100		
120	33.5	38.6	58.0#
91	30.1	46.2	69.2#
77	15.3	18.6	27.8#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042248.D
Acq On : 08 Apr 2025 00:12
Operator : SY/MD
Sample : Q1725-06DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Quant Time: Apr 08 01:38:49 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

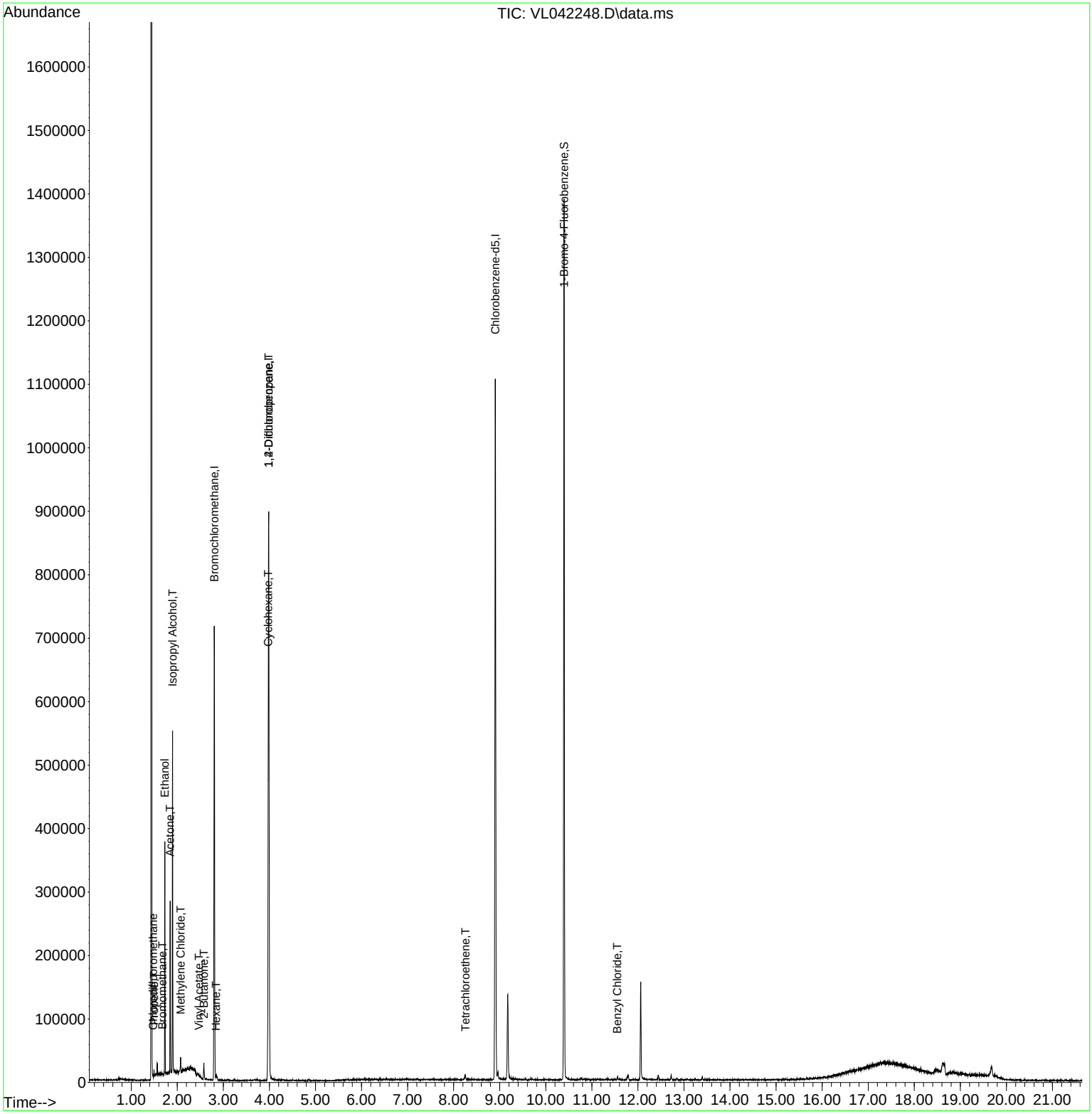
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	194329	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.984	114	493793	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	430982	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	333104	9.412	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.100%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.473	51	1509	0.051	ppbv #	78
6) Bromomethane	1.677	94	163	0.031	ppbv #	4
9) Propene	1.495	41	1074	0.080	ppbv #	38
13) Ethanol	1.728	45	126102	99.289	ppbv	83
15) Acetone	1.845	43	110494	4.066	ppbv	96
19) Isopropyl Alcohol	1.897	45	223285	14.561	ppbv #	32
20) Methylene Chloride	2.075	84	3332	0.329	ppbv	95
23) Vinyl Acetate	2.473	43	454	0.039	ppbv #	1
26) Hexane	2.842	57	1191	0.044	ppbv #	56
30) Cyclohexane	3.975	84	1517	0.064	ppbv #	1
34) 2-Butanone	2.576	43	14984	0.418	ppbv	97
39) 1,2-Dichloropropane	3.984	63	129039	7.238	ppbv #	22
52) Tetrachloroethene	8.254	164	722	0.037	ppbv #	62
66) Benzyl Chloride	11.552	91	294	0.033	ppbv #	66

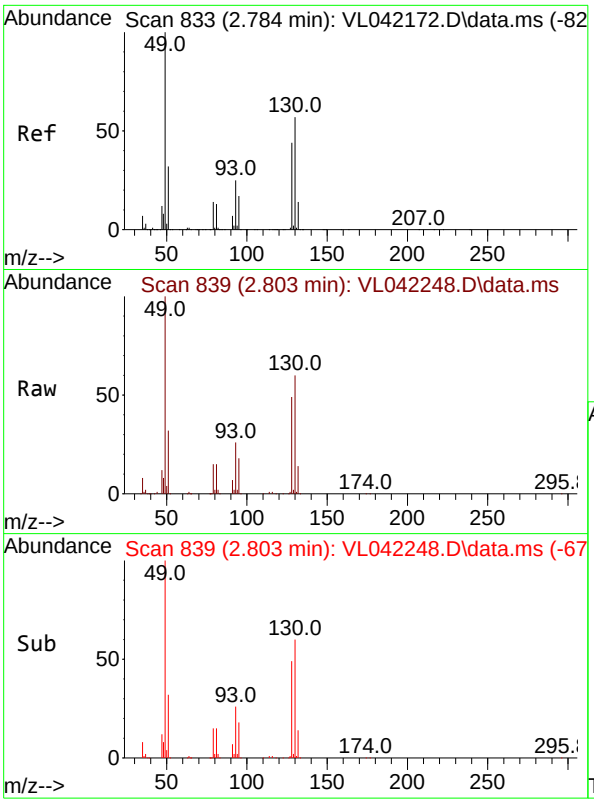
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042248.D
Acq On : 08 Apr 2025 00:12
Operator : SY/MD
Sample : Q1725-06DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Quant Time: Apr 08 01:38:49 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



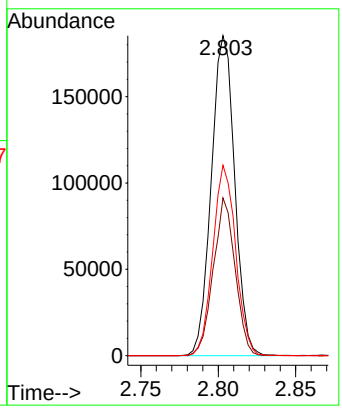


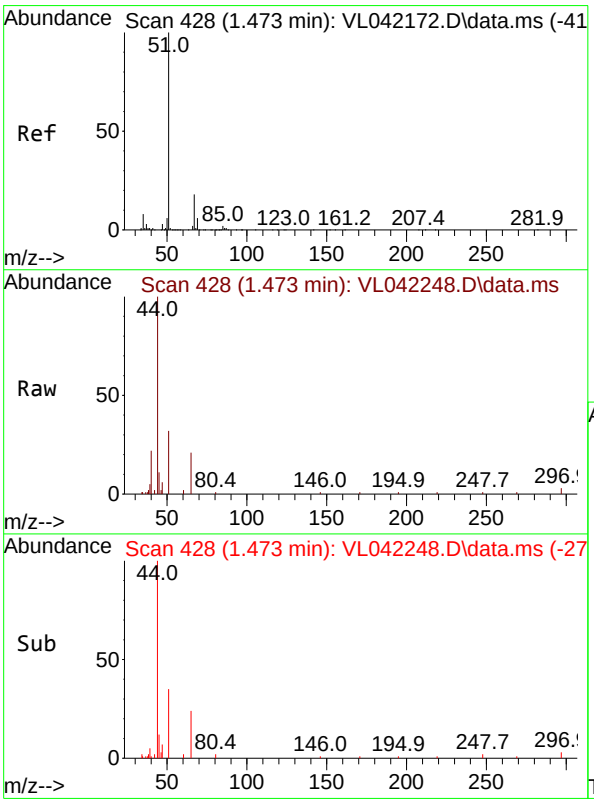
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 49 Resp: 194329

Ion	Ratio	Lower	Upper
49	100		
128	46.0	22.9	68.5
130	58.3	28.8	86.4

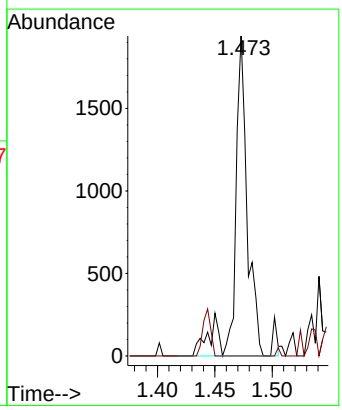


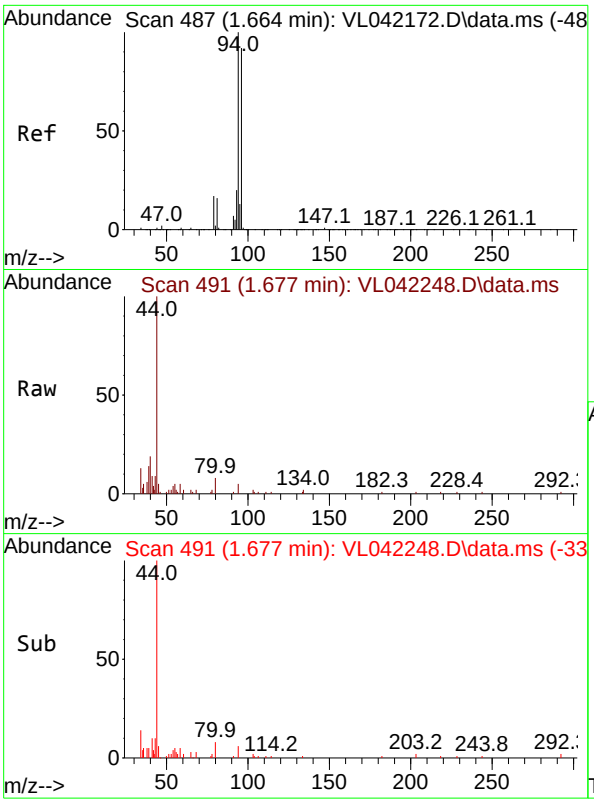


#3
Chlorodifluoromethane
Concen: 0.051 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 51 Resp: 1509

Ion	Ratio	Lower	Upper
51	100		
67	9.0	15.0	22.6#



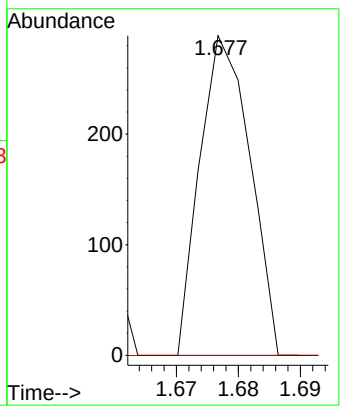


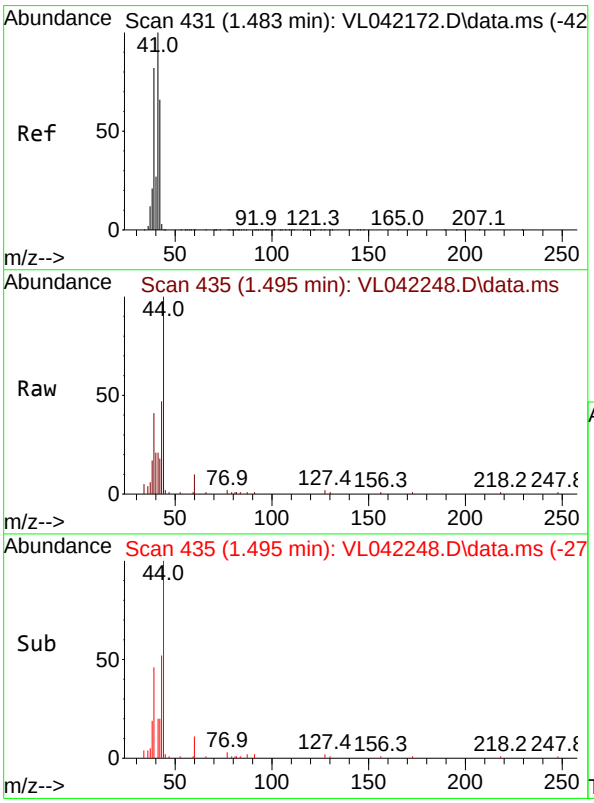
#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.677 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 94 Resp: 163

Ion	Ratio	Lower	Upper
94	100		
96	0.0	73.1	109.7#

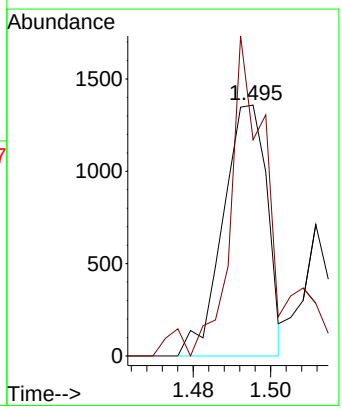


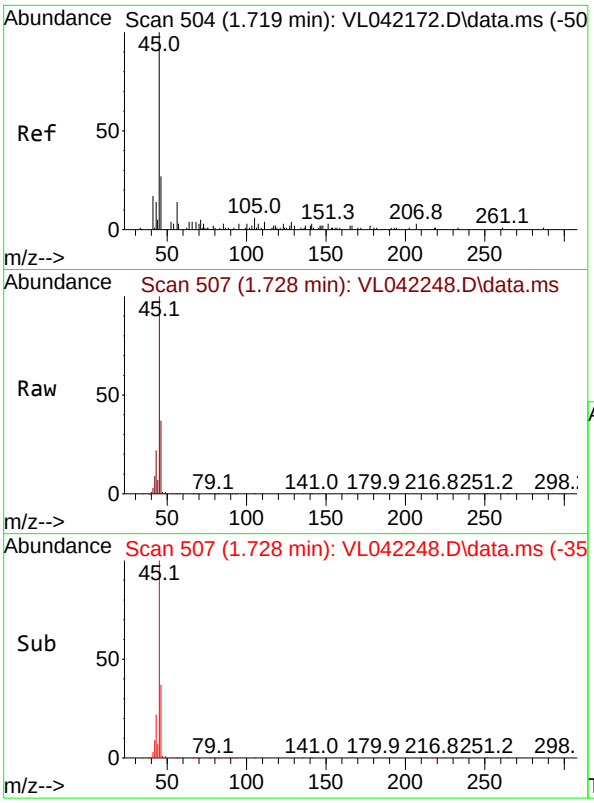


#9
Propene
Concen: 0.080 ppbv
RT: 1.495 min Scan# 435
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 41 Resp: 1074

Ion	Ratio	Lower	Upper
41	100		
42	119.6	55.4	83.2#



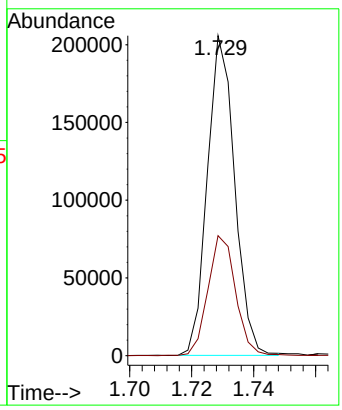


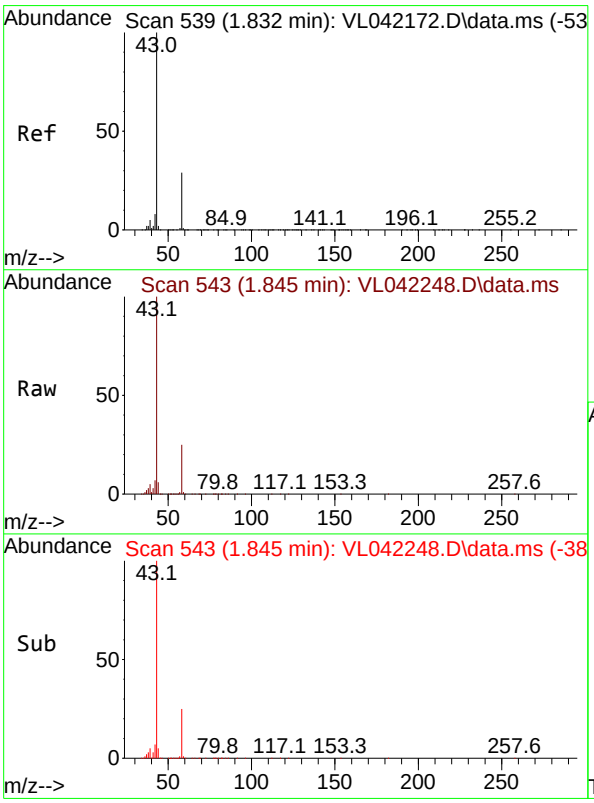
#13
Ethanol
Concen: 99.289 ppbv
RT: 1.728 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 45 Resp: 126102

Ion	Ratio	Lower	Upper
45	100		
46	38.8	20.2	80.8

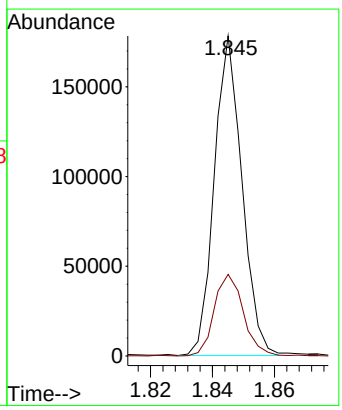


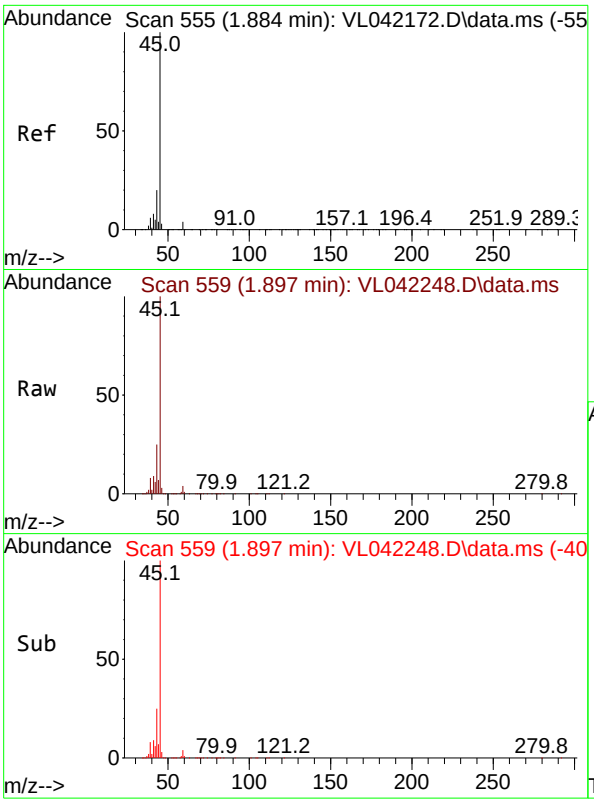


#15
Acetone
Concen: 4.066 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 43 Resp: 110494

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.2	34.8



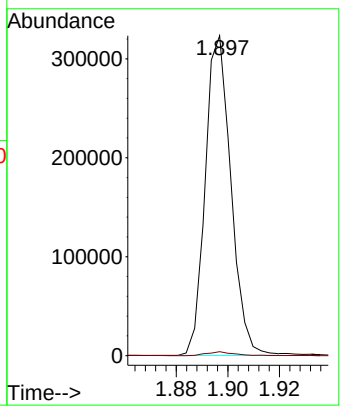


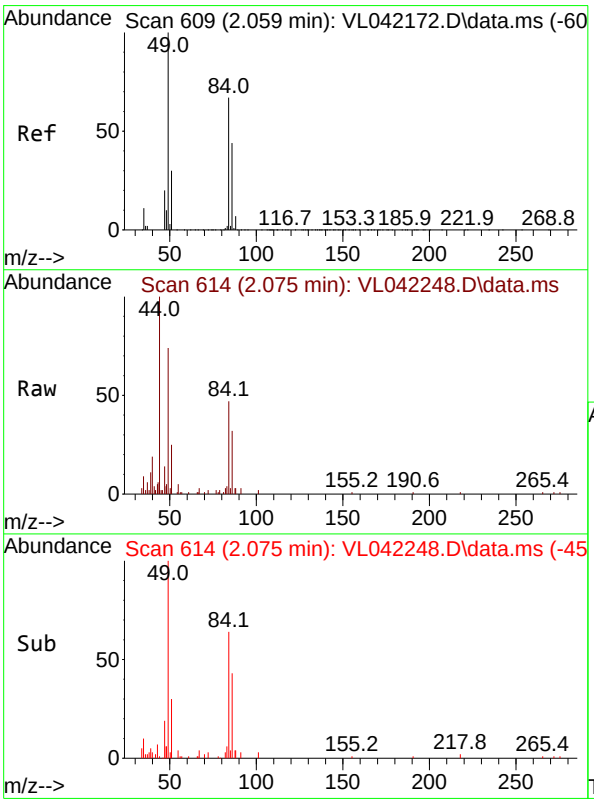
#19
Isopropyl Alcohol
Concen: 14.561 ppbv
RT: 1.897 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 45 Resp: 223285

Ion	Ratio	Lower	Upper
45	100		
58	1.4	36.9	55.3#

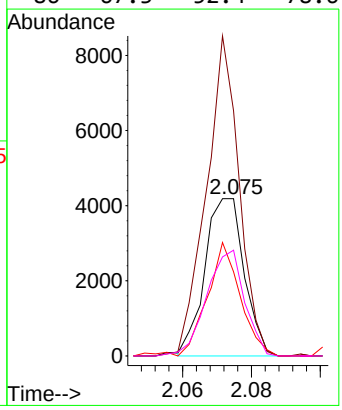


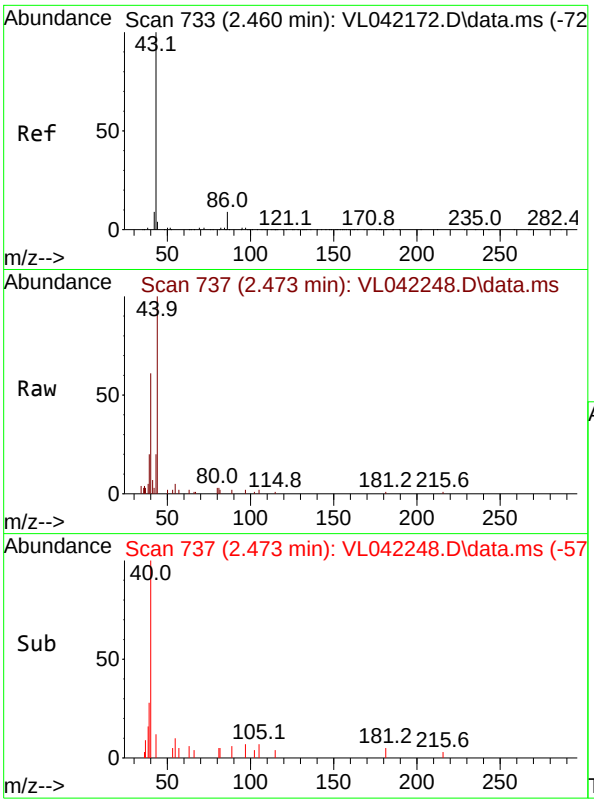


#20
Methylene Chloride
Concen: 0.329 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.016 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 84 Resp: 3332

Ion	Ratio	Lower	Upper
84	100		
49	155.9	120.2	180.4
51	53.5	37.4	56.0
86	67.3	52.4	78.6



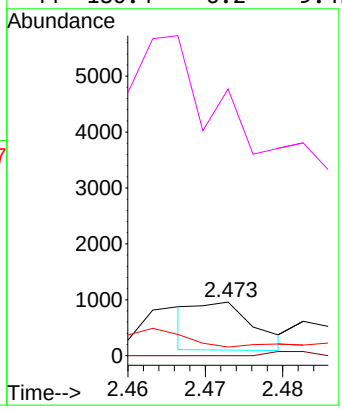


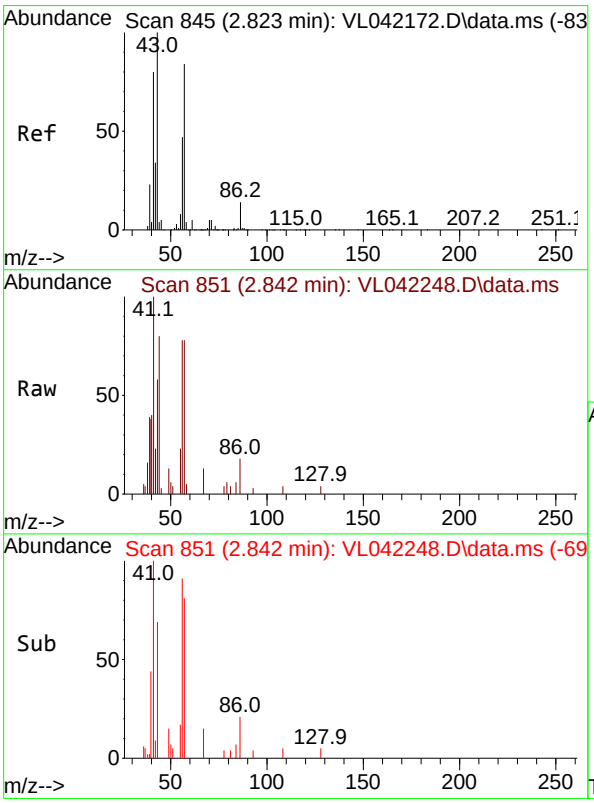
#23
Vinyl Acetate
Concen: 0.039 ppbv
RT: 2.473 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 43 Resp: 454

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.5	8.3#
42	0.0	8.6	13.0#
44	180.4	6.2	9.4#

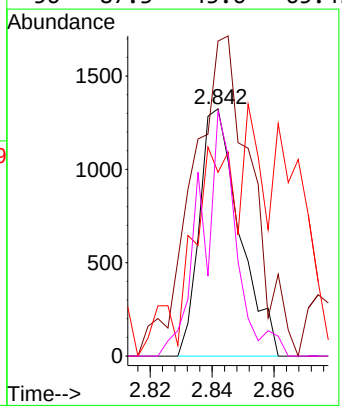


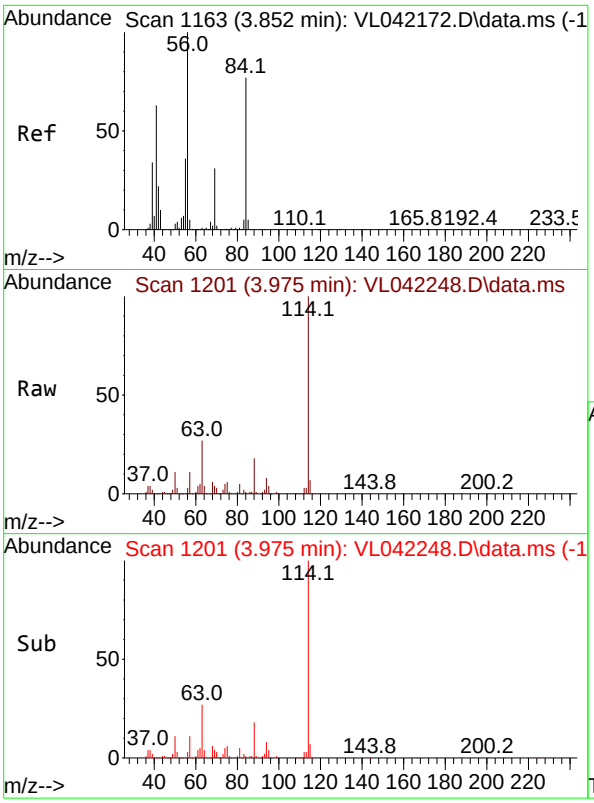


#26
Hexane
Concen: 0.044 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 57 Resp: 1191

Ion	Ratio	Lower	Upper
57	100		
41	219.1	76.6	114.8#
43	237.4	207.8	311.8
56	87.3	43.6	65.4#



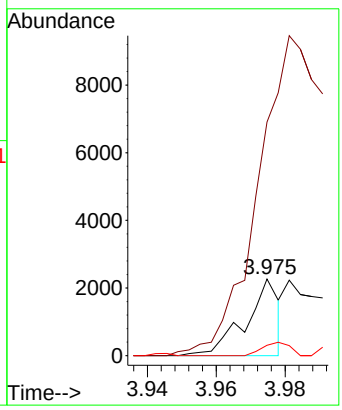


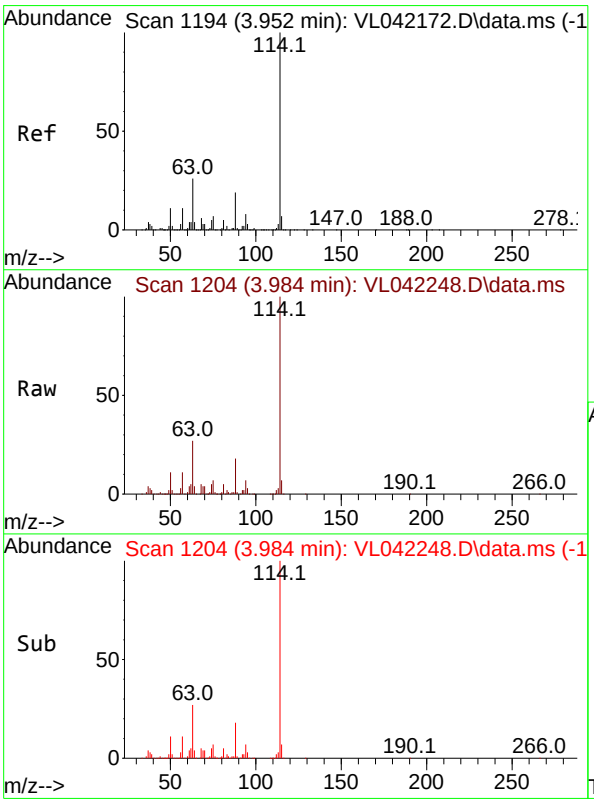
#30
Cyclohexane
Concen: 0.064 ppbv
RT: 3.975 min Scan# 1
Delta R.T. 0.123 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 84 Resp: 1517

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.8	154.2#
41	4.4	66.5	99.7#

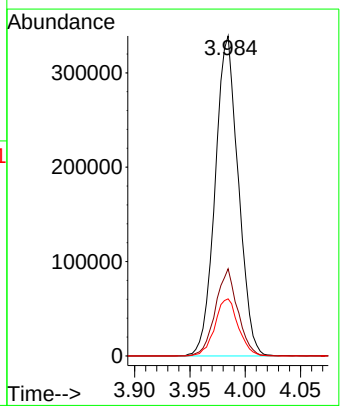


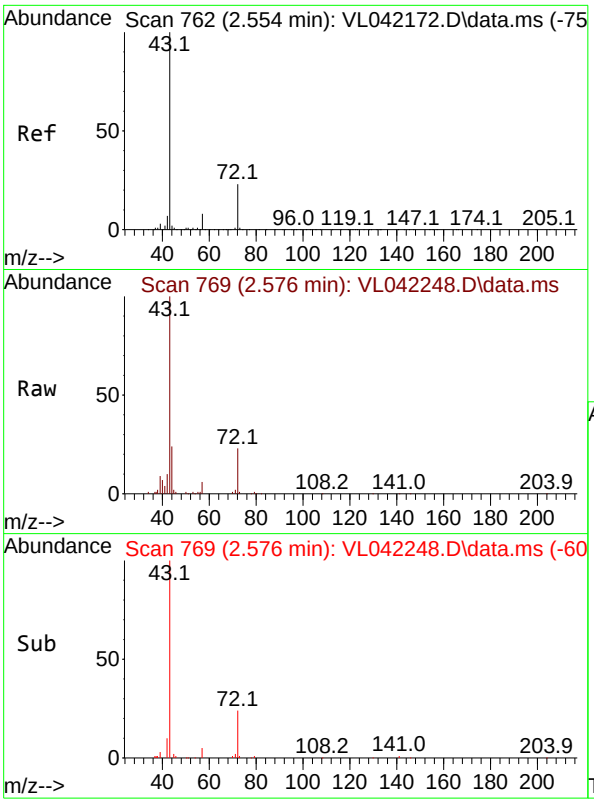


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion:114 Resp: 493793

Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.7	31.1
88	18.0	15.0	22.4



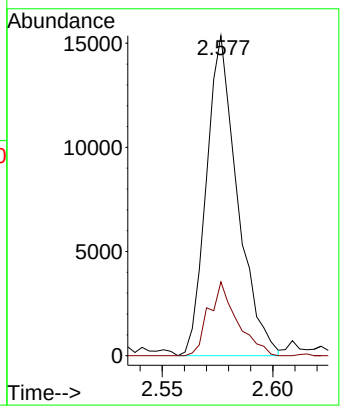


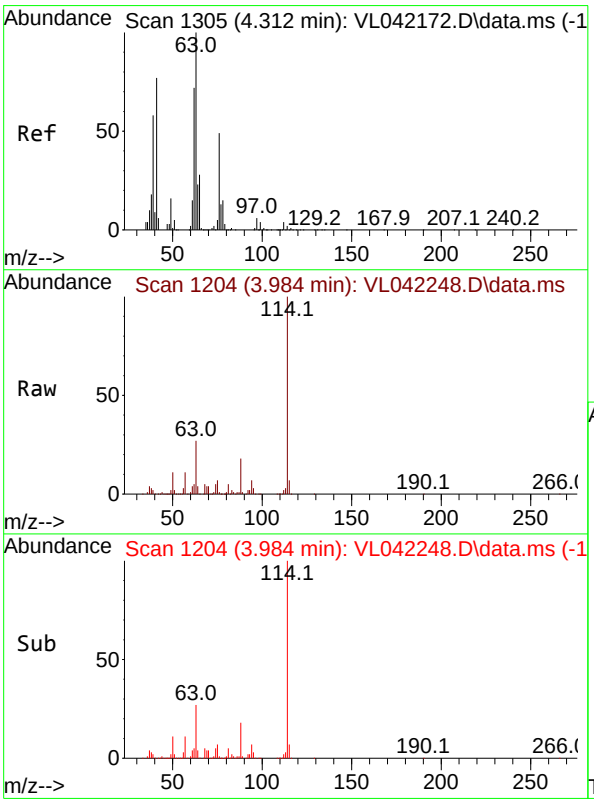
#34
2-Butanone
Concen: 0.418 ppbv
RT: 2.576 min Scan# 7
Delta R.T. 0.022 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 43 Resp: 14984

Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.2	27.2

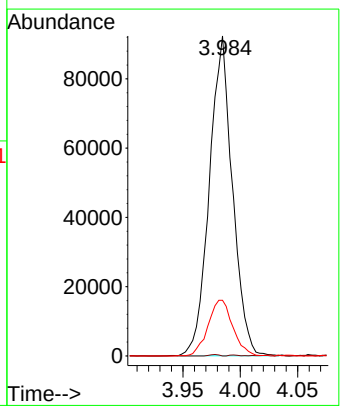


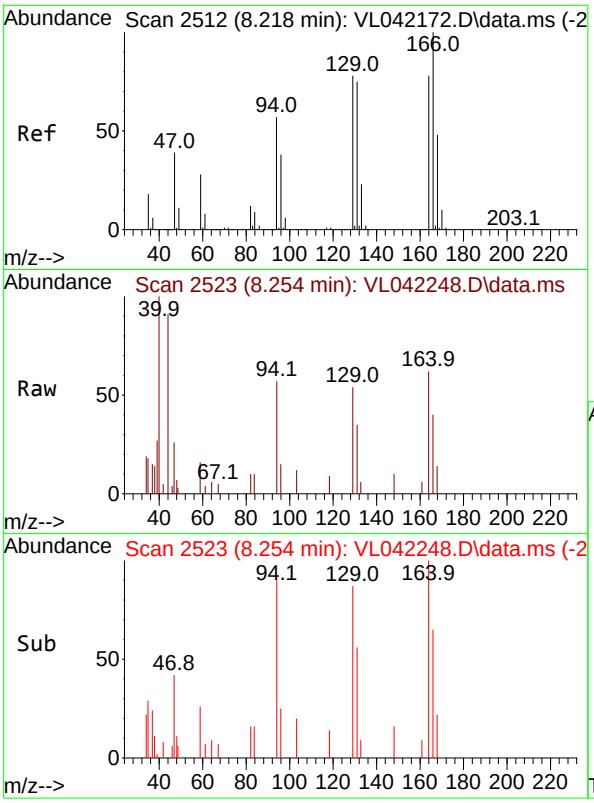


#39
1,2-Dichloropropane
Concen: 7.238 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. -0.327 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 63 Resp: 129039

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.7	92.5#
62	17.3	57.6	86.4#



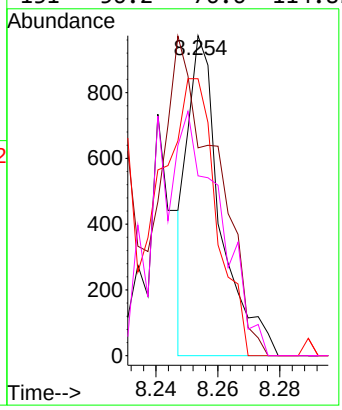


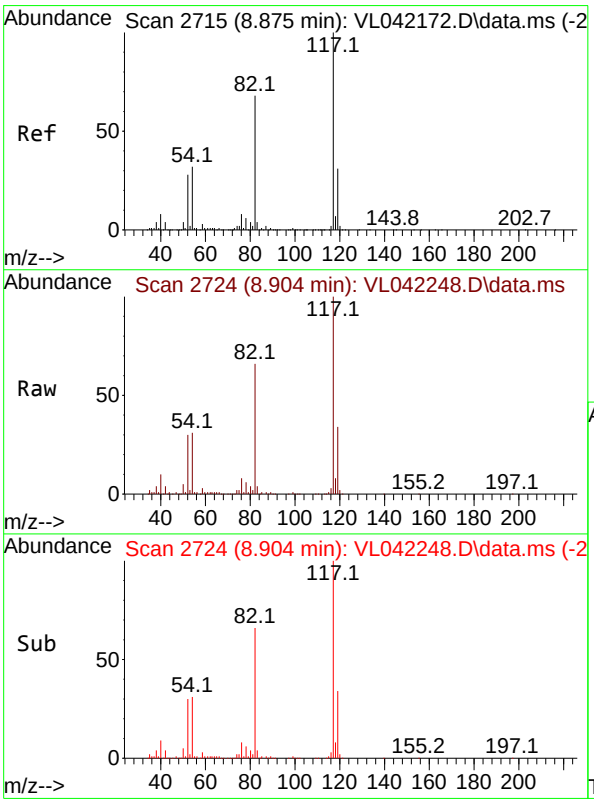
#52
Tetrachloroethene
Concen: 0.037 ppbv
RT: 8.254 min Scan# 2
Delta R.T. 0.035 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion:164 Resp: 722

Ion	Ratio	Lower	Upper
164	100		
166	65.0	102.5	153.7#
129	86.5	79.8	119.8
131	56.2	76.6	114.8#

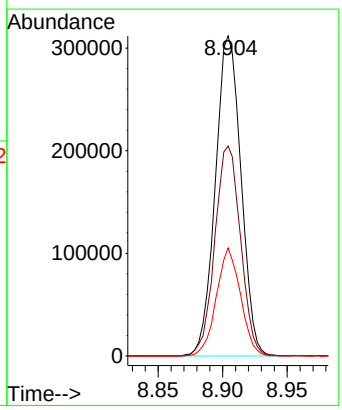


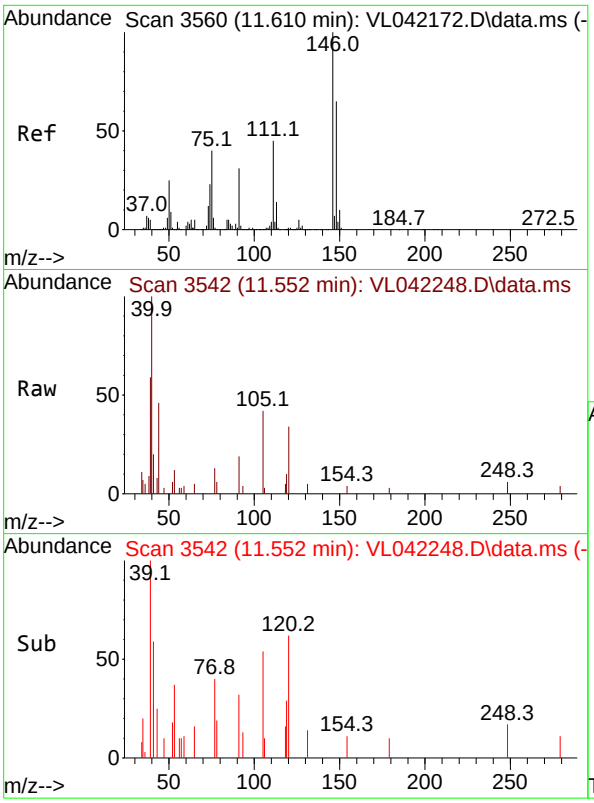


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion:117 Resp: 430982

Ion	Ratio	Lower	Upper
117	100		
82	65.8	55.8	83.6
119	31.8	25.5	38.3



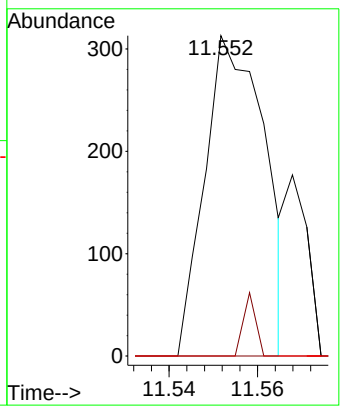


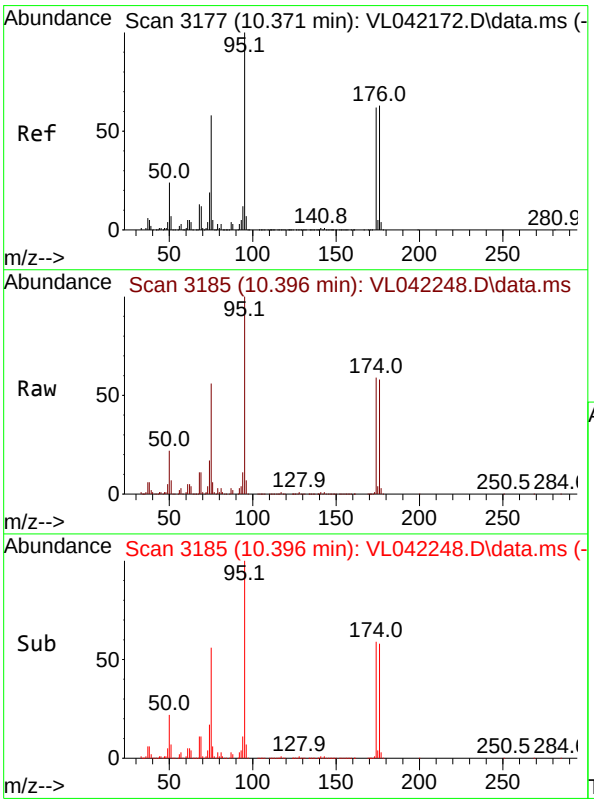
#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 11.552 min Scan# 3
Delta R.T. -0.059 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-3-03312025DL

Tgt Ion: 91 Resp: 294

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.8	20.6#
128	0.0	4.5	6.7#

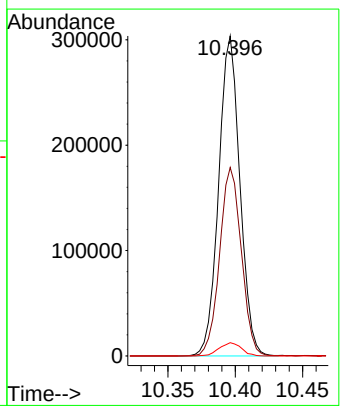




#68
1-Bromo-4-Fluorobenzene
Concen: 9.412 ppbv
RT: 10.396 min Scan# 3185
Delta R.T. 0.026 min
Lab File: VL042248.D
Acq: 08 Apr 2025 00:12

Tgt Ion: 95 Resp: 333104

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.3	3.8	5.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Quant Time: Apr 08 01:39:12 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	2.807	49	197758	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.988	114	506596	10.000	ppbv	0.04
55) Chlorobenzene-d5	8.908	117	465539	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.400	95	381596	9.981	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	10548	0.361	ppbv	90
3) Chlorodifluoromethane	1.473	51	18165	0.609	ppbv #	70
4) Chloromethane	1.544	50	1562	0.131	ppbv #	79
6) Bromomethane	1.677	94	167	0.031	ppbv #	4
9) Propene	1.632	41	10945	0.801	ppbv	93
10) Heptane	5.024	43	22305	0.613	ppbv #	84
11) Trichlorofluoromethane	1.891	101	6666	0.235	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.156	101	2000	0.086	ppbv	91
13) Ethanol	1.732	45	236496	182.981	ppbv	83
15) Acetone	1.845	43	779996	28.202	ppbv	96
16) 1,3-Butadiene	1.612	39	38194	2.828	ppbv #	21
17) tert-Butyl alcohol	1.897	59	9515	0.276	ppbv	99
19) Isopropyl Alcohol	1.900	45	271152	17.376	ppbv #	52
20) Methylene Chloride	2.075	84	11817	1.147	ppbv	93
21) Allyl Chloride	2.056	41	10108	0.518	ppbv #	63
23) Vinyl Acetate	2.493	43	30371	2.537	ppbv #	40
24) 1,1-Dichloroethane	2.425	63	995	0.043	ppbv #	94
25) Ethyl Acetate	2.845	43	29553	0.412	ppbv #	94
26) Hexane	2.849	57	27836	1.004	ppbv #	39
27) Carbon Disulfide	2.166	76	1171	0.039	ppbv #	1
28) Methyl tert-Butyl Ether	2.460	73	573	0.033	ppbv #	49
29) Chloroform	2.871	83	95587	2.356	ppbv	94
30) Cyclohexane	3.878	84	1413	0.059	ppbv #	1
34) 2-Butanone	2.577	43	55098	1.500	ppbv	100
35) Carbon Tetrachloride	3.790	117	3266	0.083	ppbv #	81
36) Benzene	3.680	78	24686	0.492	ppbv #	90
38) Trichloroethene	4.583	130	1996	0.095	ppbv #	85
39) 1,2-Dichloropropane	3.991	63	130789	7.151	ppbv #	22
41) Tetrahydrofuran	3.088	42	1169	0.055	ppbv #	59
44) 2,2,4-Trimethylpentane	4.677	57	23872	0.281	ppbv #	47
52) Tetrachloroethene	8.251	164	7399	0.371	ppbv	93
53) Toluene	6.972	91	258006	4.334	ppbv	100
58) Ethyl Benzene	9.383	91	72131	0.872	ppbv	96
59) m/p-Xylene	9.558	91	284370	4.307	ppbv	100
60) o-Xylene	9.992	91	118466	1.790	ppbv	97
61) Styrene	9.898	104	1201	0.037	ppbv #	17
62) Isopropylbenzene	10.558	105	4630	0.047	ppbv #	66
64) n-propylbenzene	11.011	120	5944	0.233	ppbv	96
65) tert-Butylbenzene	11.901	119	5740	0.063	ppbv	88
70) n-Butylbenzene	12.306	91	4533	0.040	ppbv #	1
71) 2-Chlorotoluene	11.008	91	26595	0.346	ppbv #	46
72) 4-Ethyltoluene	11.147	105	35916	0.436	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.225	105	31326	0.435	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Quant Time: Apr 08 01:39:12 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)
74) 1,2,4-Trimethylbenzene	11.558	105	144819	1.746	ppbv	#	65
75) 1,3-Dichlorobenzene	11.626	146	7305	0.161	ppbv		93
76) 1,4-Dichlorobenzene	11.688	146	1439	0.032	ppbv		93
77) 1,2-Dichlorobenzene	11.688	146	1439	0.032	ppbv		98
79) Naphthalene	13.530	128	9741	0.107	ppbv	#	96
80) Naphthalene,2-methyl-	14.481	142	2064	0.046	ppbv	#	82

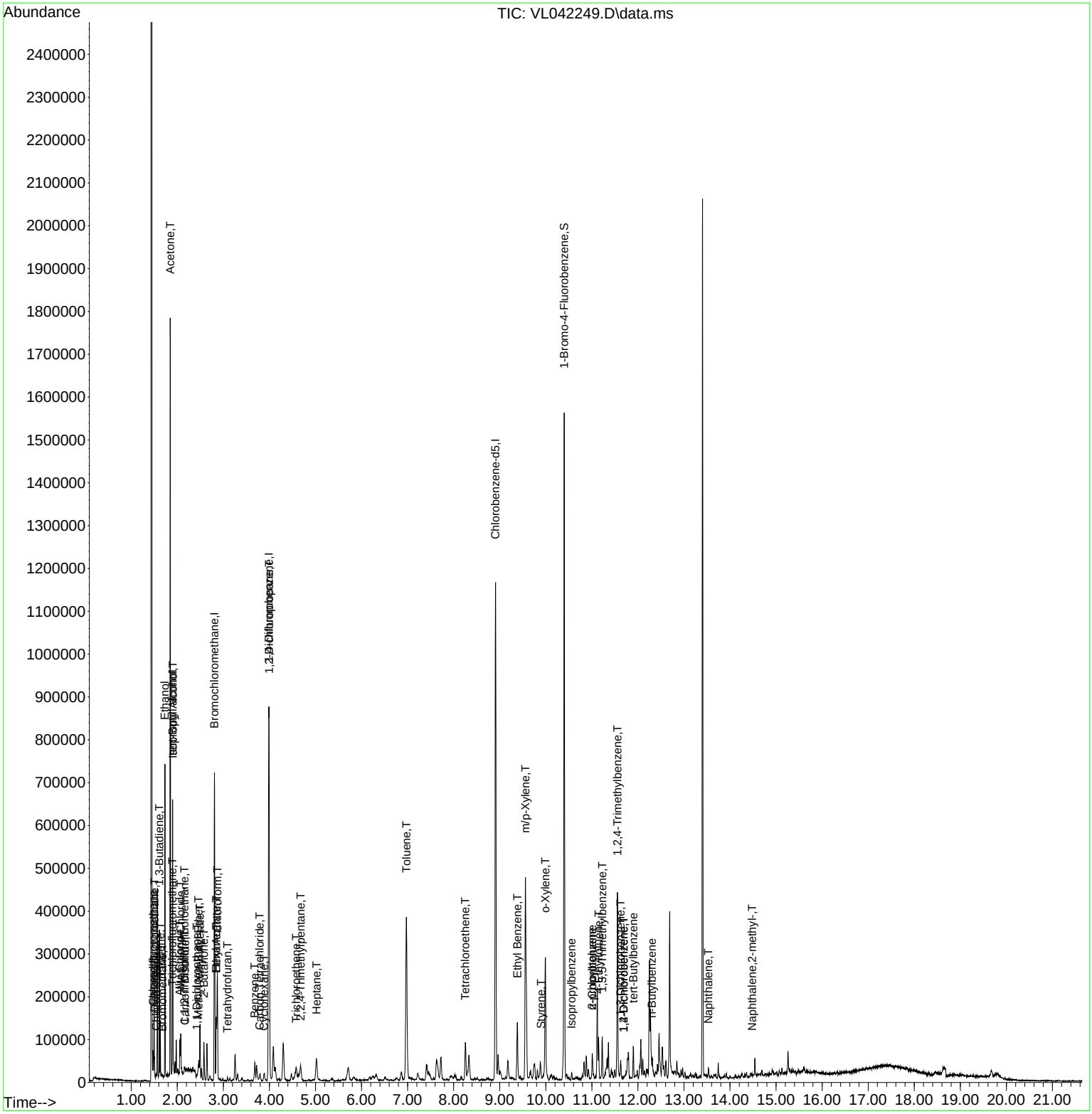
(#) = qualifier out of range (m) = manual integration (+) = signals summed

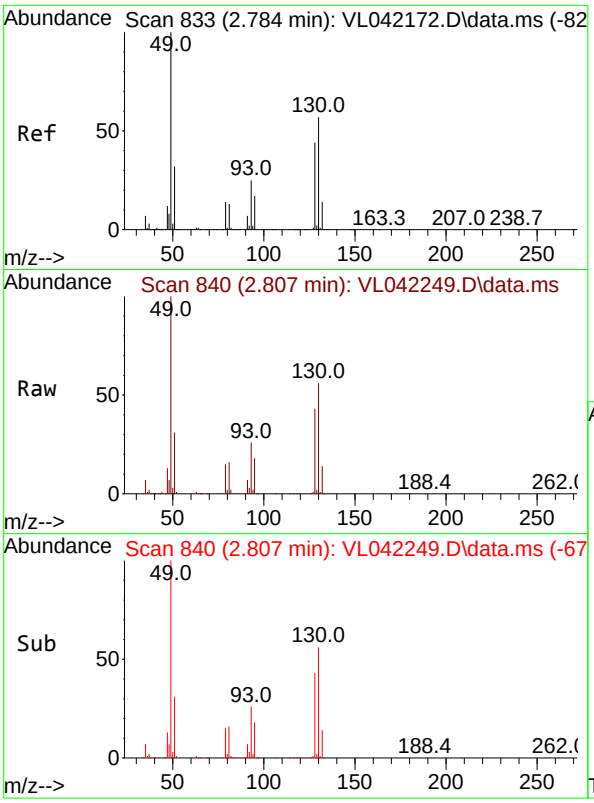
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042249.D
Acq On : 08 Apr 2025 00:46
Operator : SY/MD
Sample : Q1725-07
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Quant Time: Apr 08 01:39:12 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



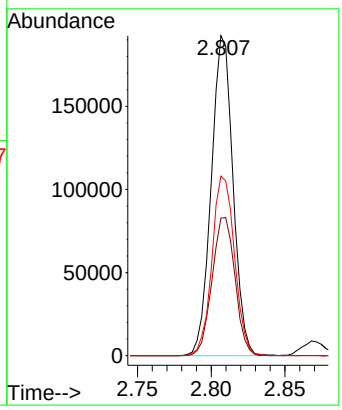


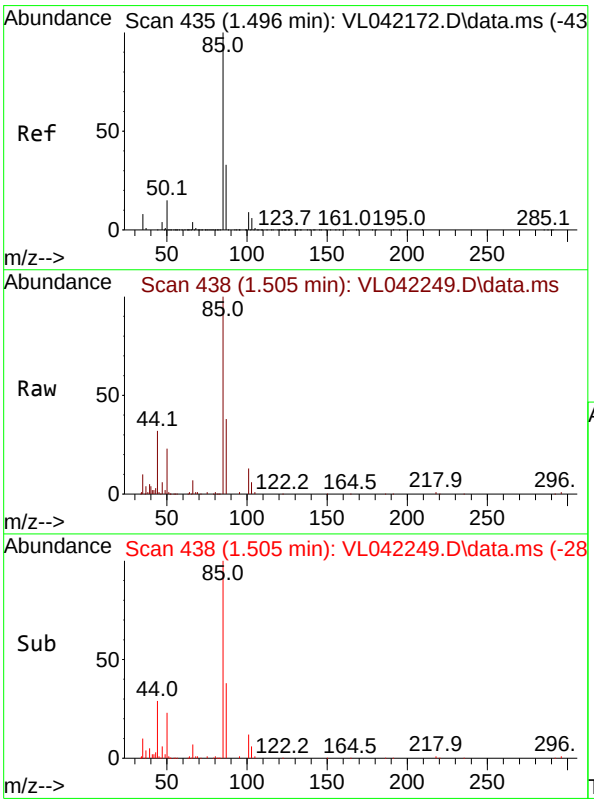
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.807 min Scan# 84
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 49 Resp: 197758

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.9	68.5
130	58.1	28.8	86.4

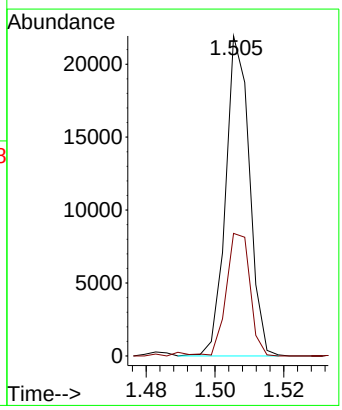


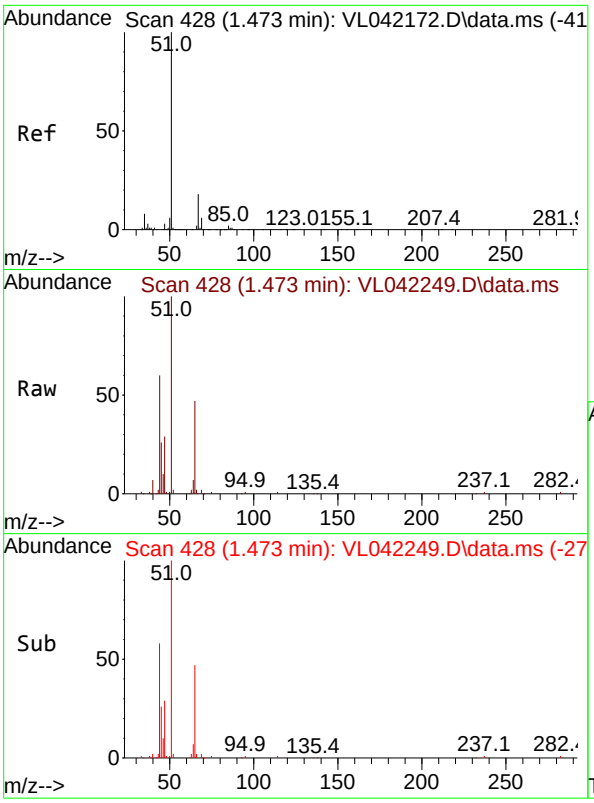


#2
Dichlorodifluoromethane
Concen: 0.361 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 85 Resp: 10548

Ion	Ratio	Lower	Upper
85	100		
87	38.3	26.1	39.1



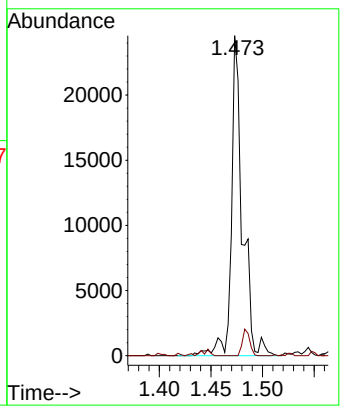


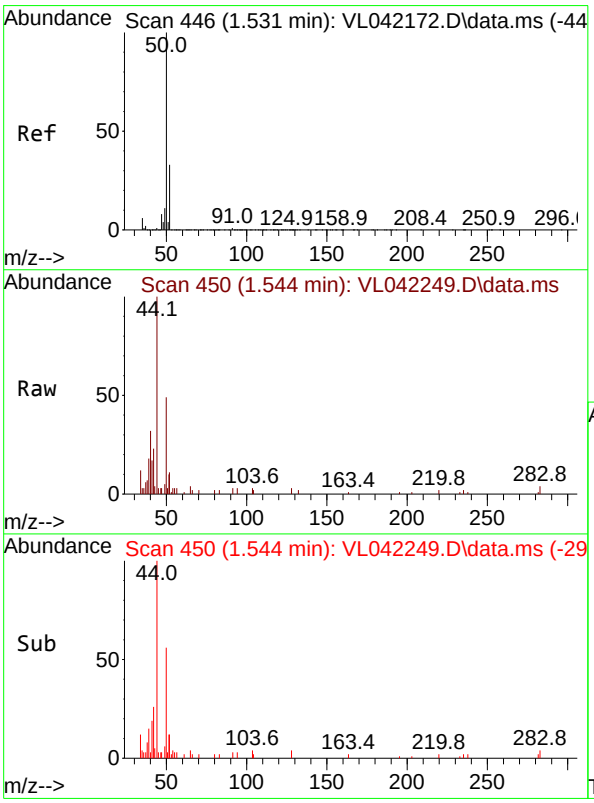
#3
Chlorodifluoromethane
Concen: 0.609 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 51 Resp: 18165

Ion	Ratio	Lower	Upper
51	100		
67	5.5	15.0	22.6#

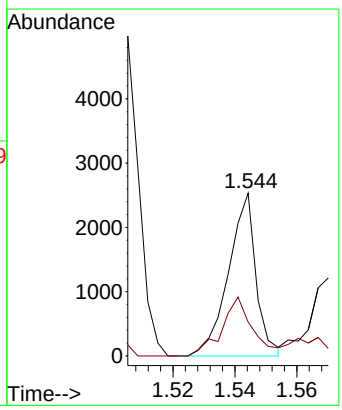


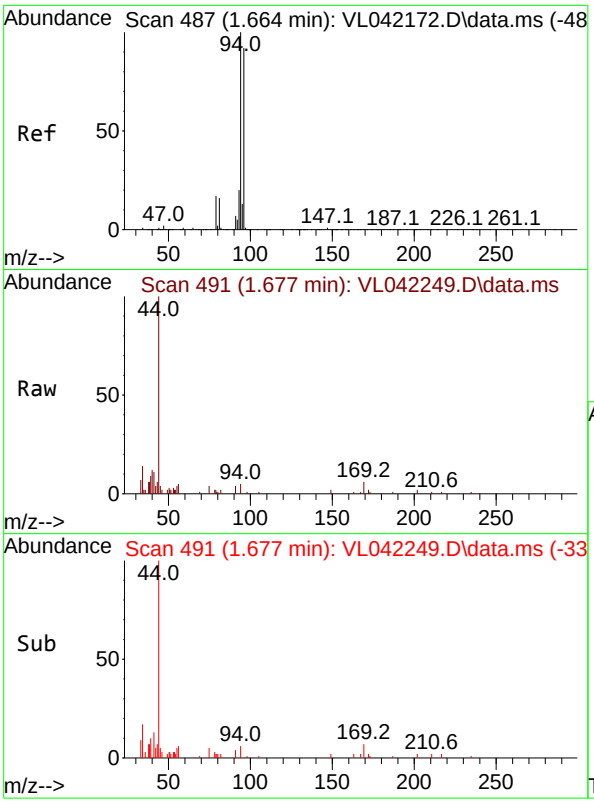


#4
Chloromethane
Concen: 0.131 ppbv
RT: 1.544 min Scan# 450
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 50 Resp: 1562

Ion	Ratio	Lower	Upper
50	100		
52	20.8	26.1	39.1#



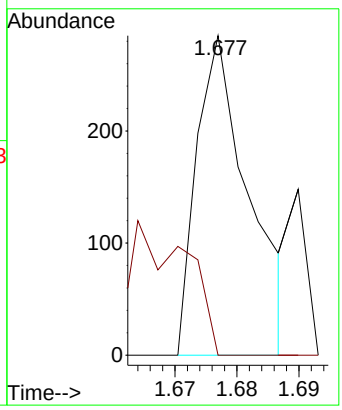


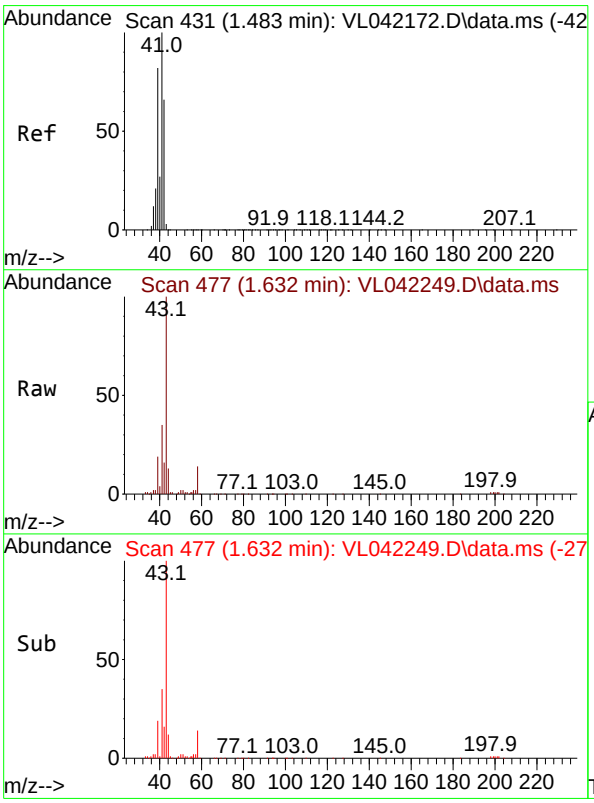
#6
Bromomethane
Concen: 0.031 ppbv
RT: 1.677 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 94 Resp: 167

Ion	Ratio	Lower	Upper
94	100		
96	0.0	73.1	109.7#

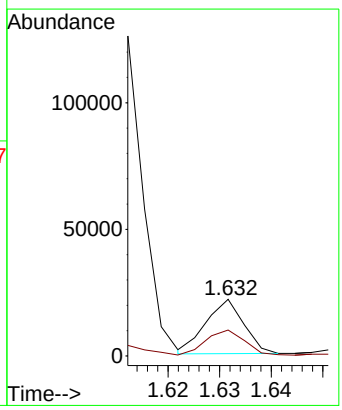


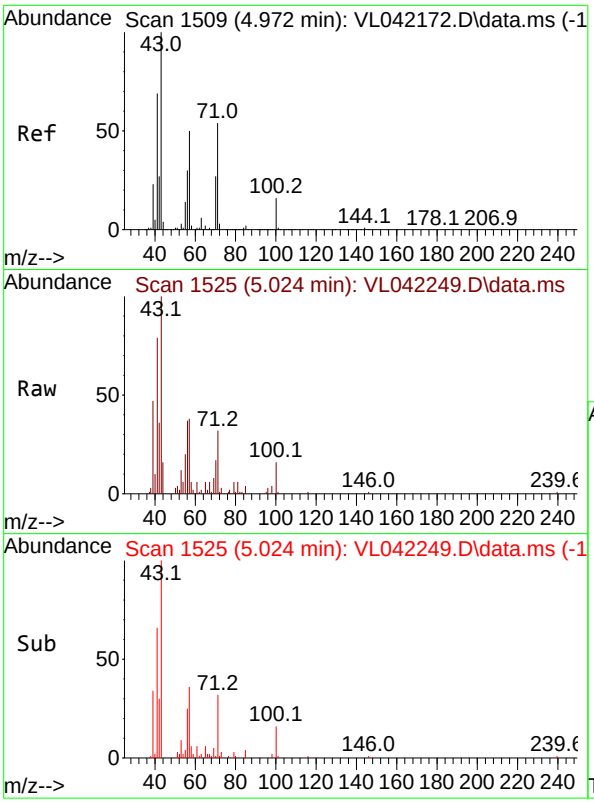


#9
Propene
Concen: 0.801 ppbv
RT: 1.632 min Scan# 477
Delta R.T. 0.149 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 41 Resp: 10945

Ion	Ratio	Lower	Upper
41	100		
42	74.6	55.4	83.2



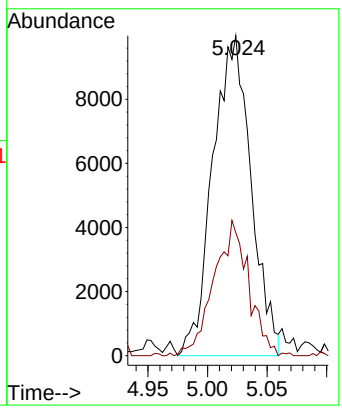


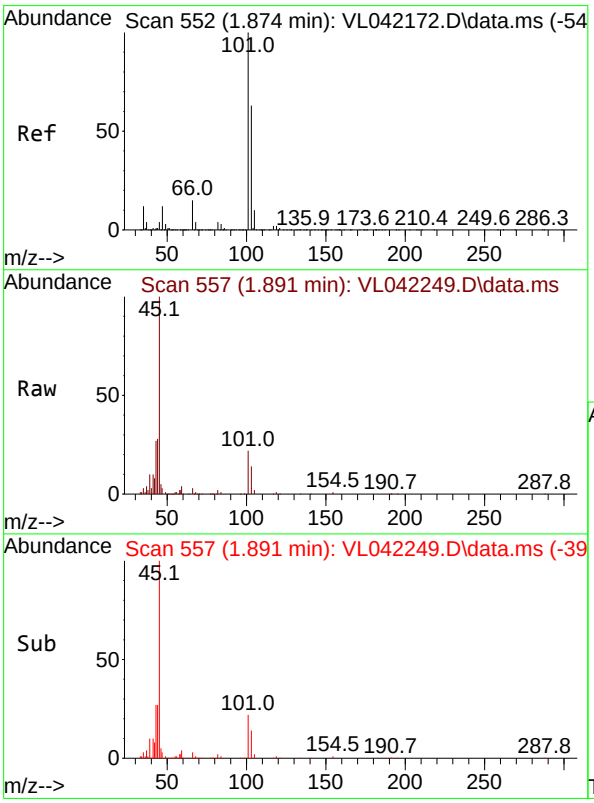
#10
Heptane
Concen: 0.613 ppbv
RT: 5.024 min Scan# 1
Delta R.T. 0.052 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 43 Resp: 22305

Ion	Ratio	Lower	Upper
43	100		
57	38.5	39.4	59.2#

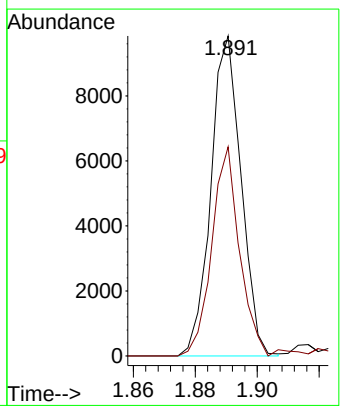


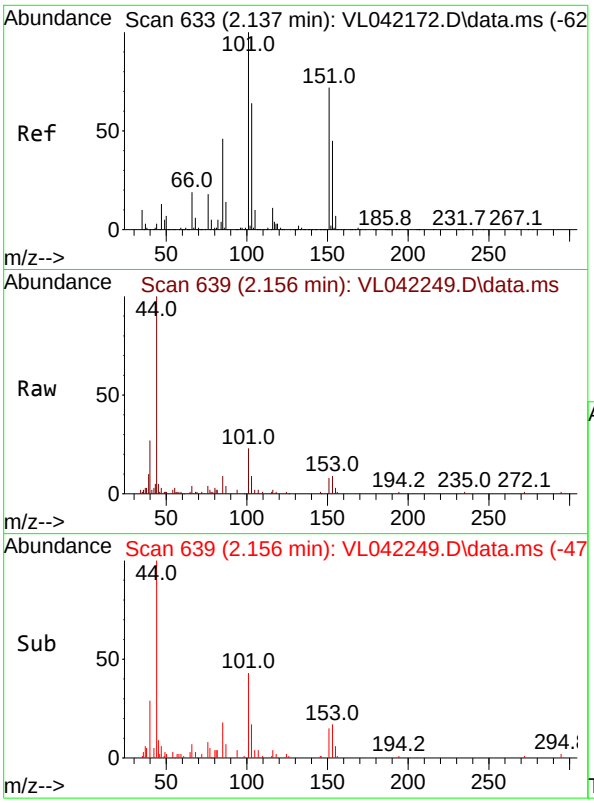


#11
Trichlorofluoromethane
Concen: 0.235 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:101 Resp: 6666

Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.2	75.2



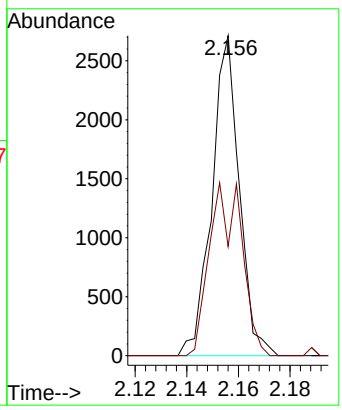


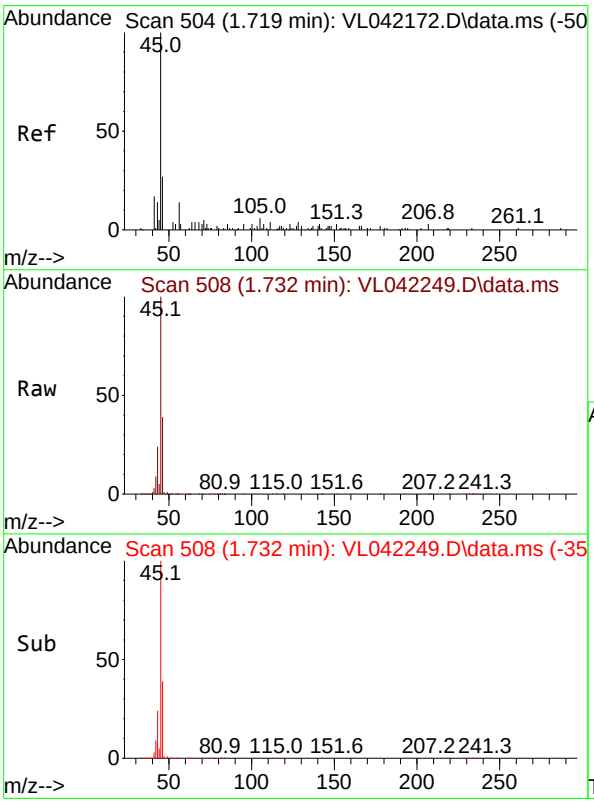
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.086 ppbv
RT: 2.156 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:101 Resp: 2000

Ion	Ratio	Lower	Upper
101	100		
151	63.7	57.1	85.7

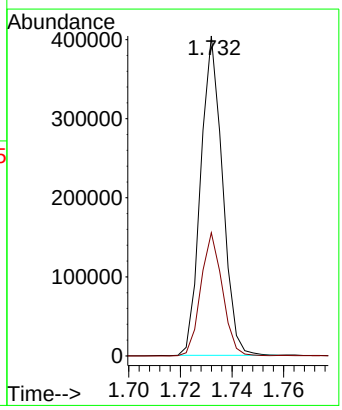


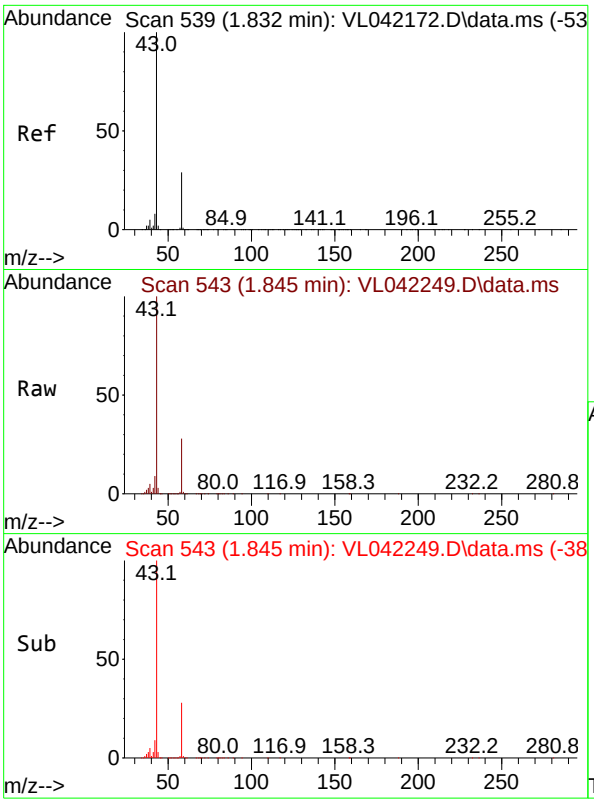


#13
Ethanol
Concen: 182.981 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 45 Resp: 236496

Ion	Ratio	Lower	Upper
45	100		
46	38.7	20.2	80.8



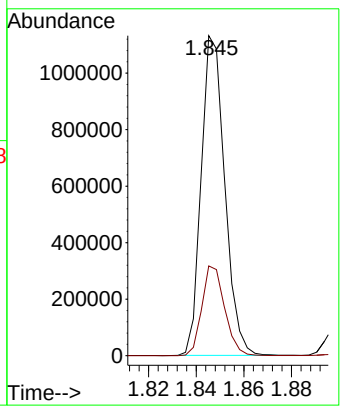


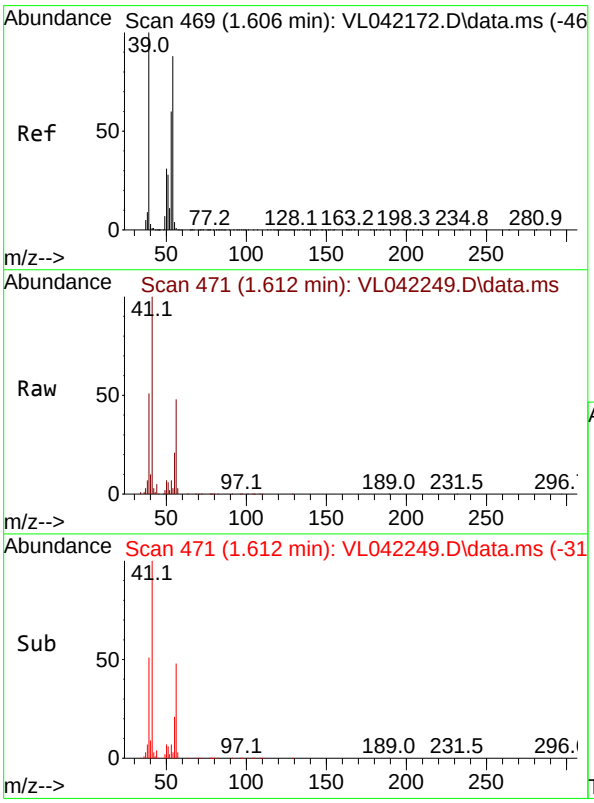
#15
Acetone
Concen: 28.202 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 43 Resp: 779996

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.2	34.8

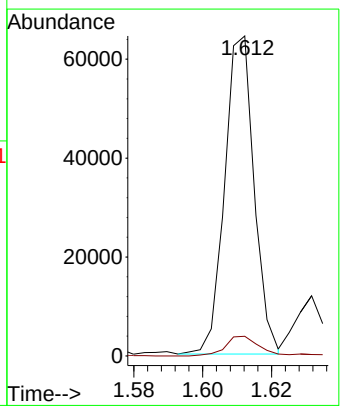


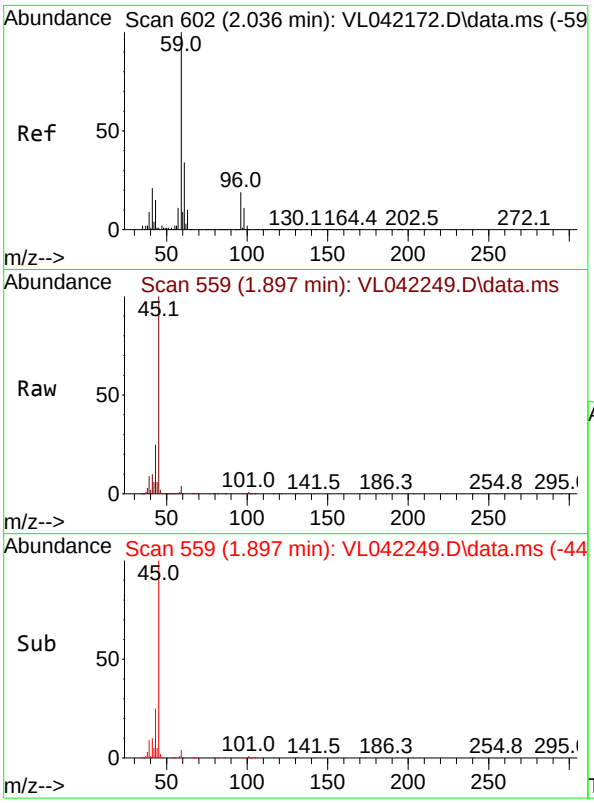


#16
1,3-Butadiene
Concen: 2.828 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 39 Resp: 38194

Ion	Ratio	Lower	Upper
39	100		
54	7.9	60.7	91.1#



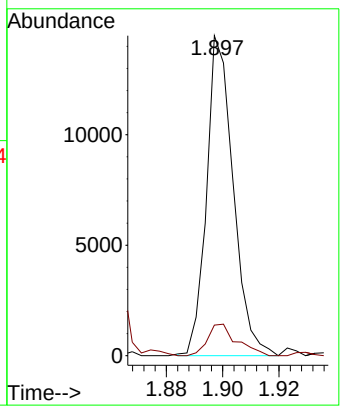


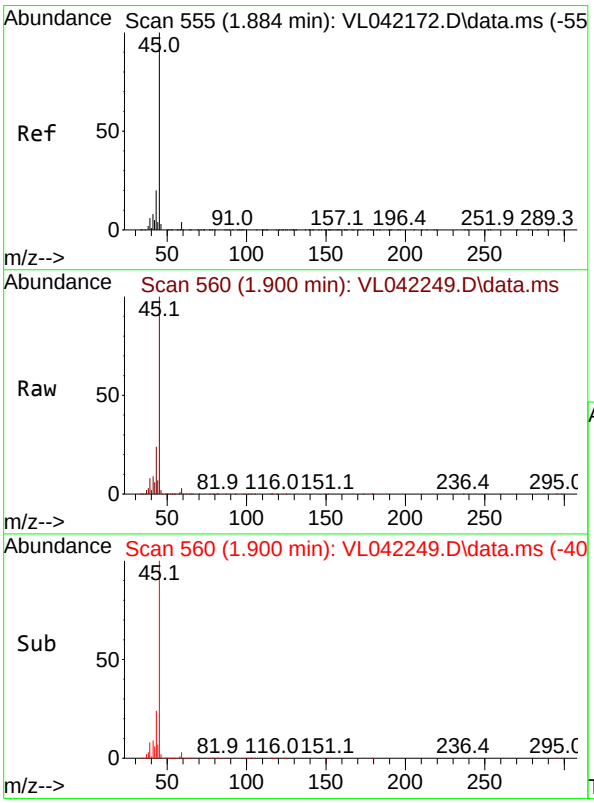
#17
tert-Butyl alcohol
Concen: 0.276 ppbv
RT: 1.897 min Scan# 5
Delta R.T. -0.139 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 59 Resp: 9515

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.9	13.3

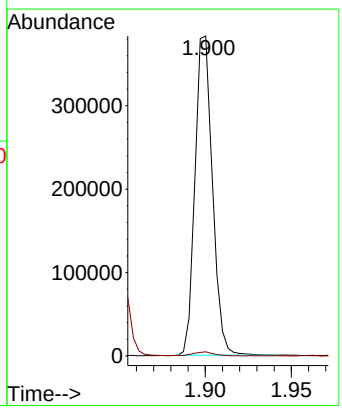


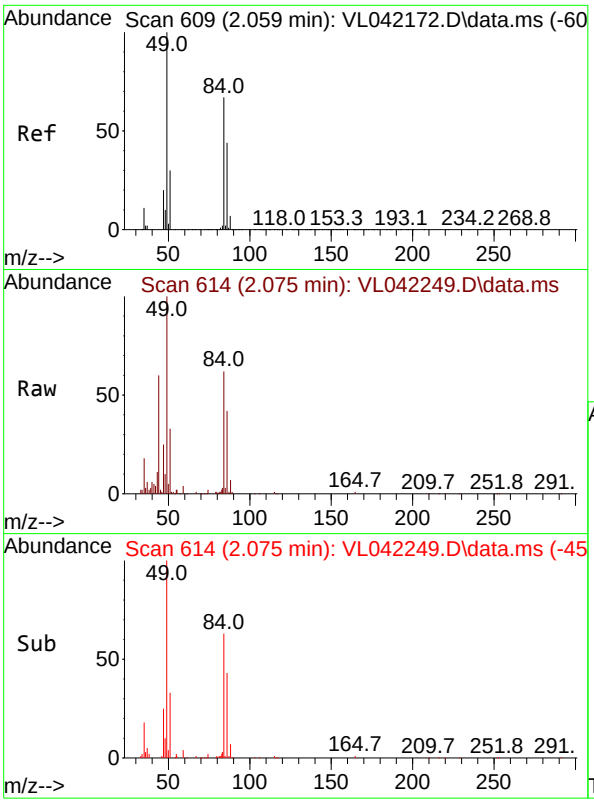


#19
Isopropyl Alcohol
Concen: 17.376 ppbv
RT: 1.900 min Scan# 560
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 45 Resp: 271152

Ion	Ratio	Lower	Upper
45	100		
58	78.1	36.9	55.3#



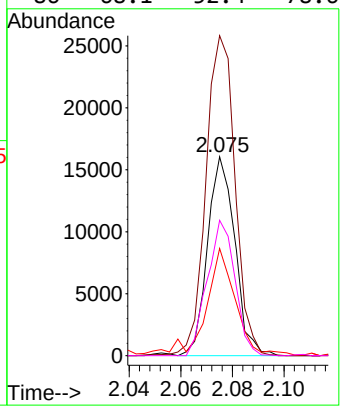


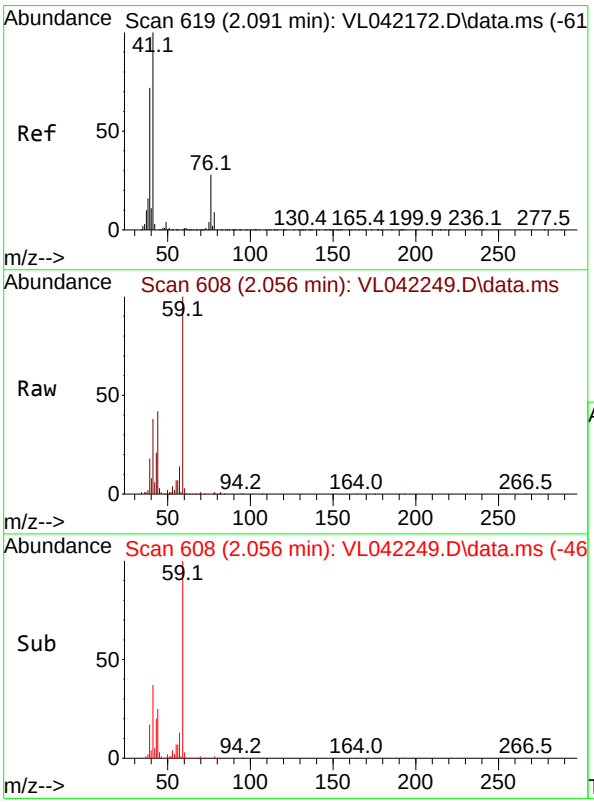
#20
Methylene Chloride
Concen: 1.147 ppbv
RT: 2.075 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 84 Resp: 11817

Ion	Ratio	Lower	Upper
84	100		
49	160.5	120.2	180.4
51	52.1	37.4	56.0
86	68.1	52.4	78.6

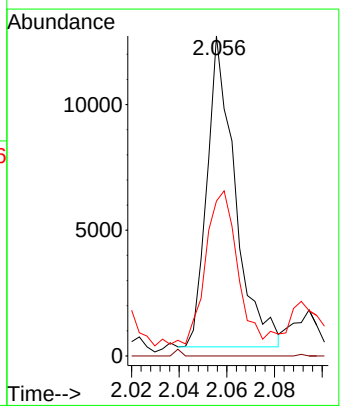


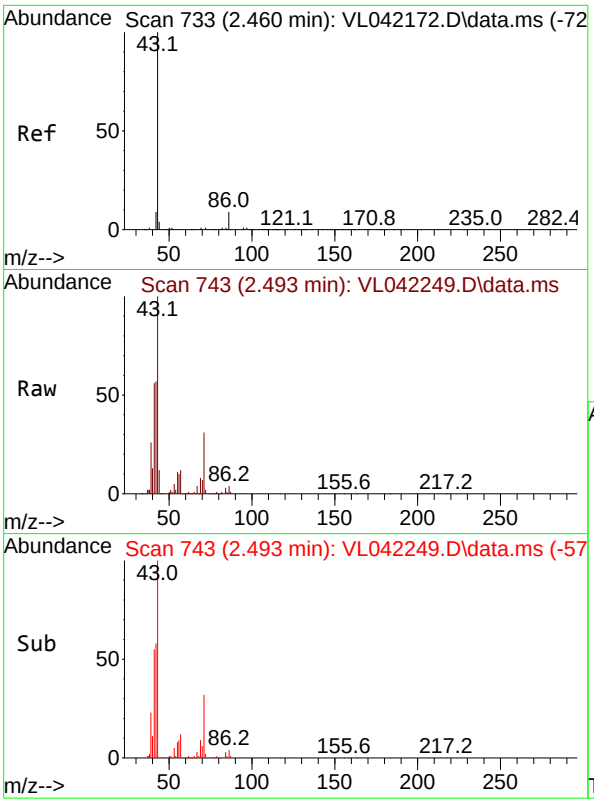


#21
Allyl Chloride
Concen: 0.518 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.036 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 41 Resp: 10108

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.1	36.1#
39	50.7	61.1	91.7#



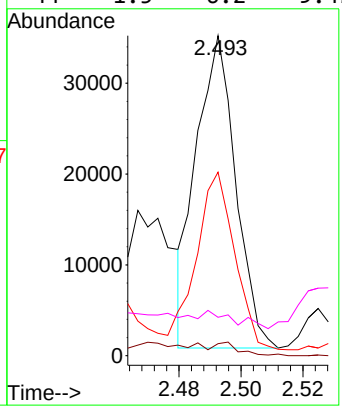


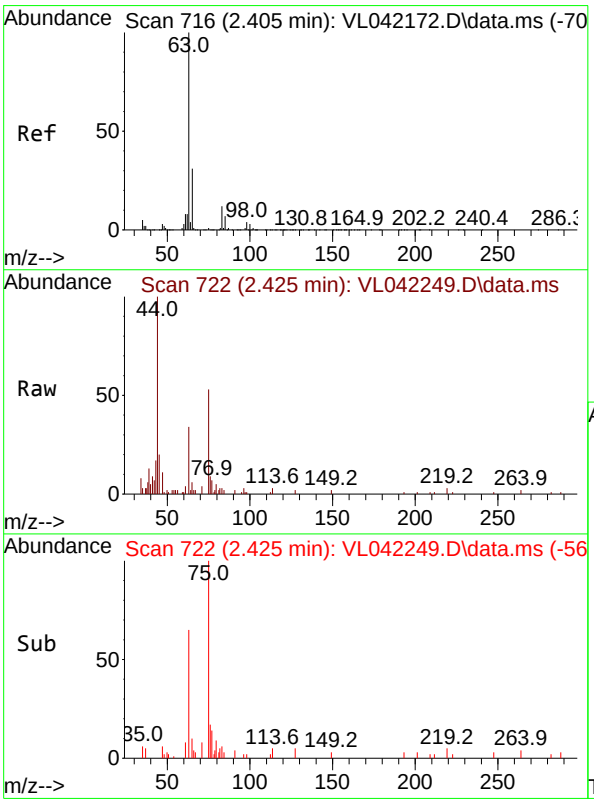
#23
Vinyl Acetate
Concen: 2.537 ppbv
RT: 2.493 min Scan# 74
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 43 Resp: 30371

Ion	Ratio	Lower	Upper
43	100		
86	3.3	5.5	8.3#
42	56.7	8.6	13.0#
44	1.5	6.2	9.4#

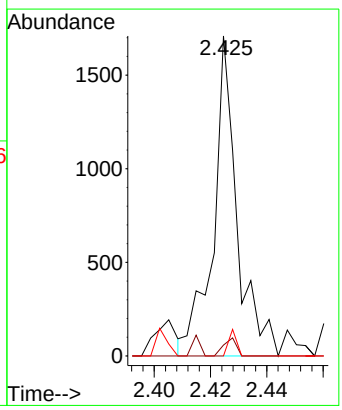


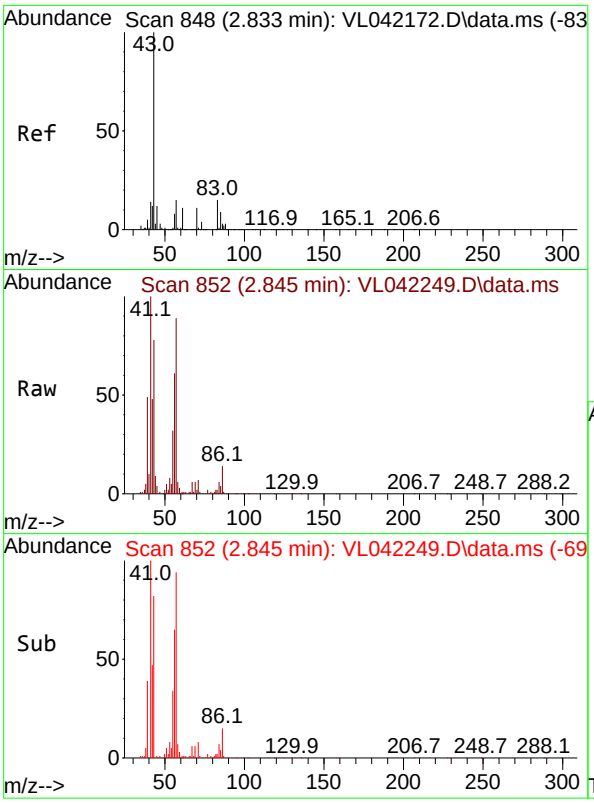


#24
1,1-Dichloroethane
Concen: 0.043 ppbv
RT: 2.425 min Scan# 722
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 63 Resp: 995

Ion	Ratio	Lower	Upper
63	100		
98	3.4	2.3	6.8
100	0.0	1.6	4.7#



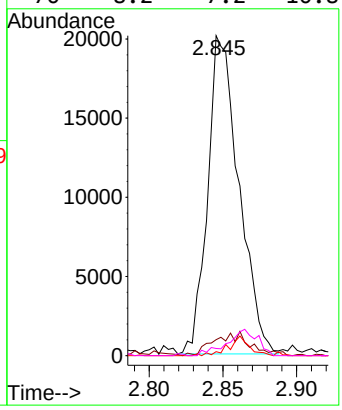


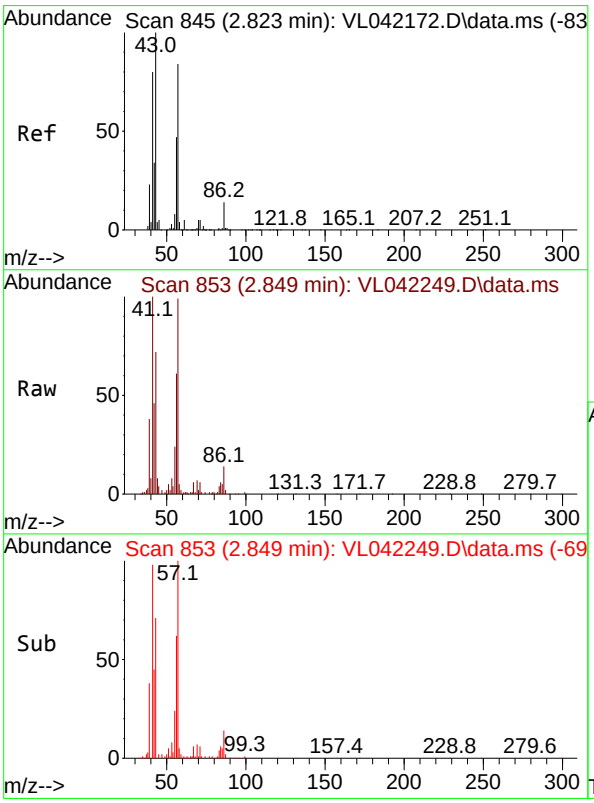
#25
Ethyl Acetate
Concen: 0.412 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.013 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 43 Resp: 29553

Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.2	12.2
61	4.3	7.3	10.9#
70	8.2	7.2	10.8

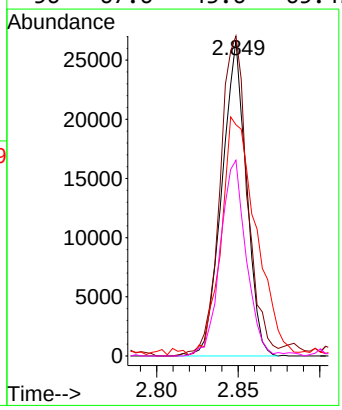


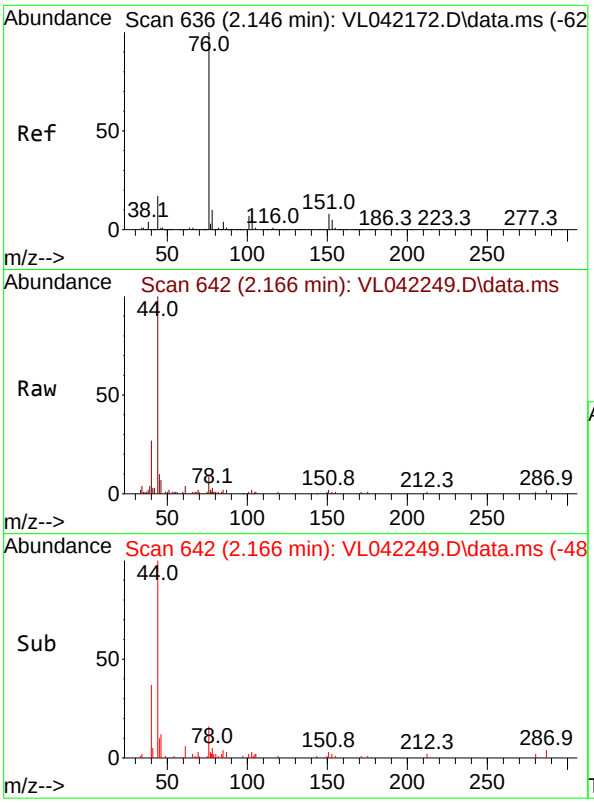


#26
Hexane
Concen: 1.004 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 57 Resp: 27836

Ion	Ratio	Lower	Upper
57	100		
41	120.4	76.6	114.8#
43	110.3	207.8	311.8#
56	67.6	43.6	65.4#



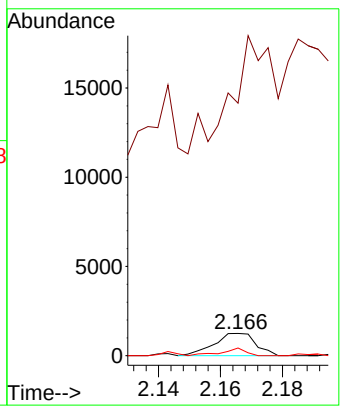


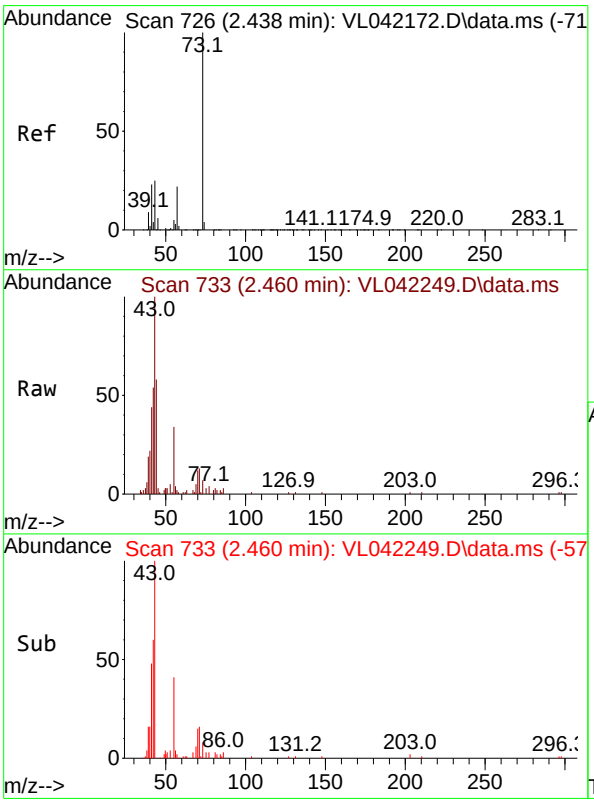
#27
Carbon Disulfide
Concen: 0.039 ppbv
RT: 2.166 min Scan# 64
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 76 Resp: 1171

Ion	Ratio	Lower	Upper
76	100		
44	4266.3	14.7	22.1#
78	30.2	9.3	13.9#

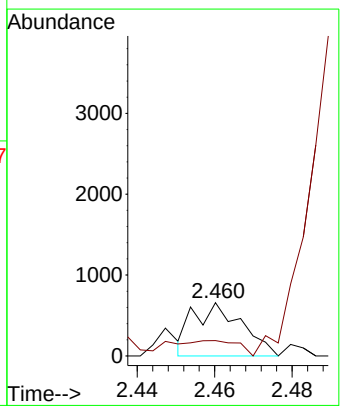


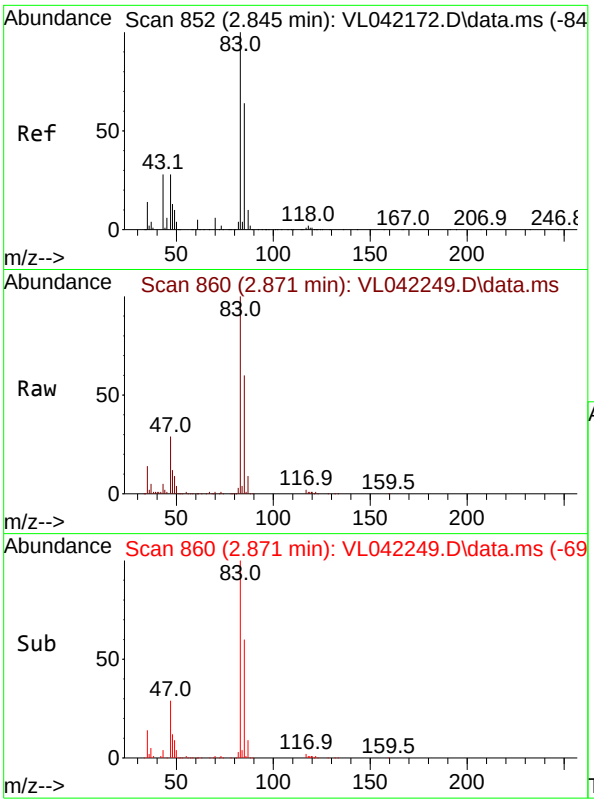


#28
Methyl tert-Butyl Ether
Concen: 0.033 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 73 Resp: 573

Ion	Ratio	Lower	Upper
73	100		
57	0.0	20.5	30.7#



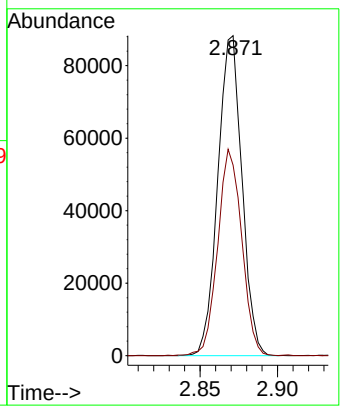


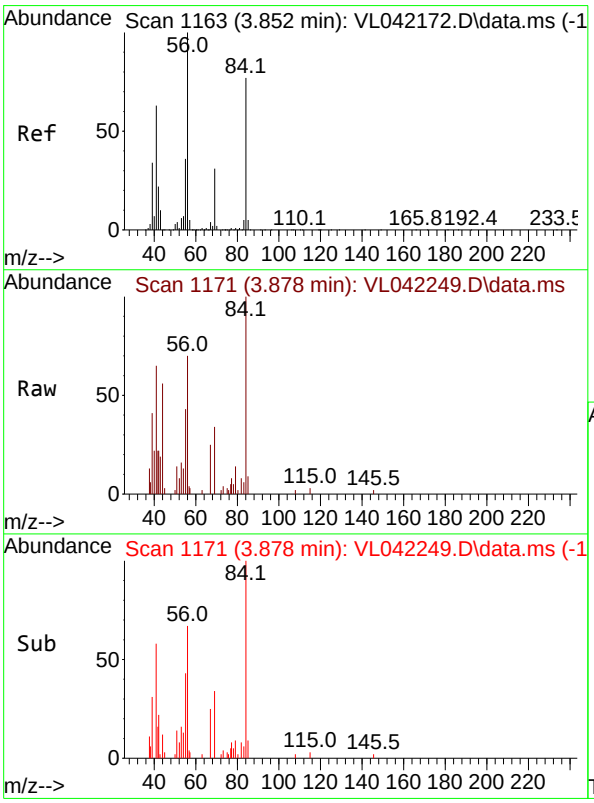
#29
Chloroform
Concen: 2.356 ppbv
RT: 2.871 min Scan# 8
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 83 Resp: 95587

Ion	Ratio	Lower	Upper
83	100		
85	59.5	51.4	77.2

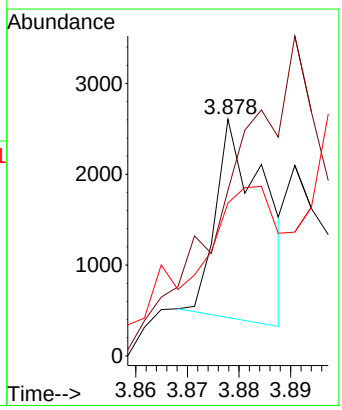


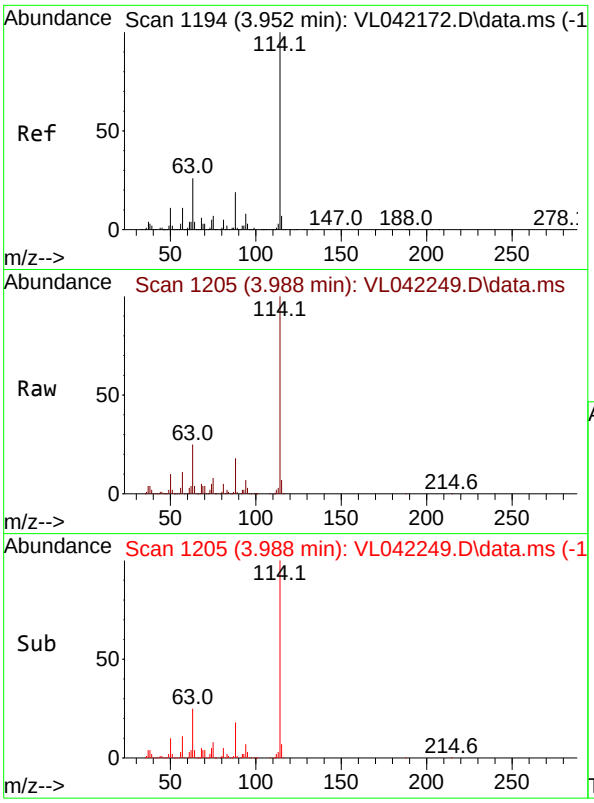


#30
Cyclohexane
Concen: 0.059 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 84 Resp: 1413

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.8	154.2#
41	0.0	66.5	99.7#



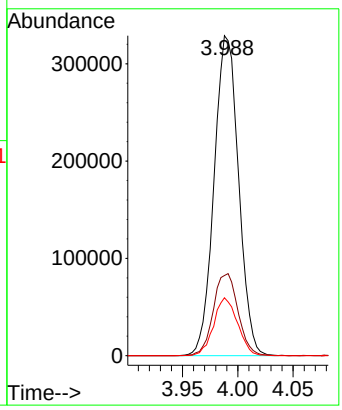


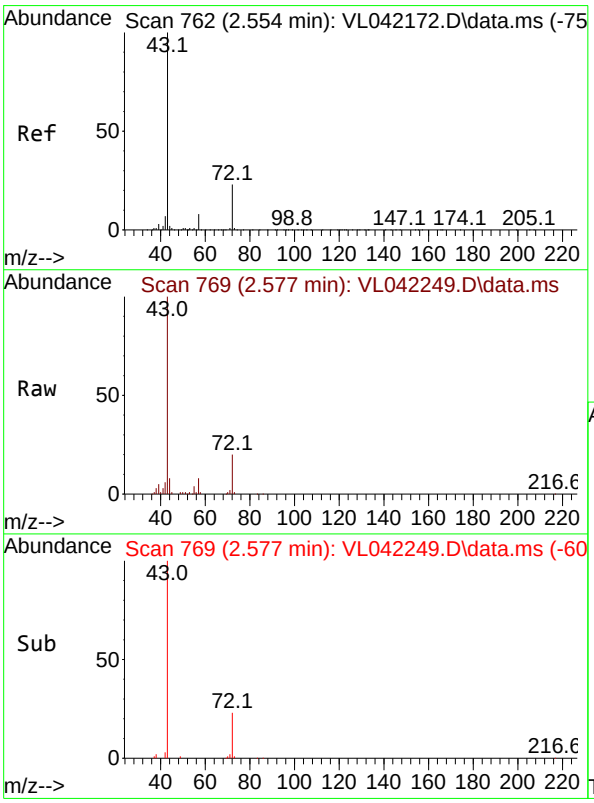
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.988 min Scan# 1
Delta R.T. 0.036 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:114 Resp: 506596

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	17.7	15.0	22.4

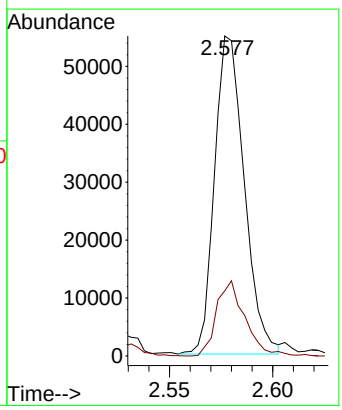


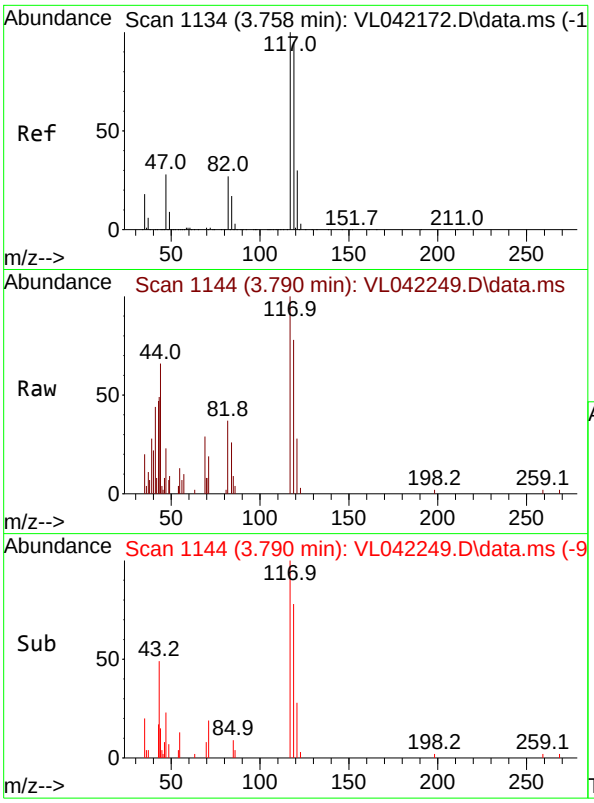


#34
2-Butanone
Concen: 1.500 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 43 Resp: 55098

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2



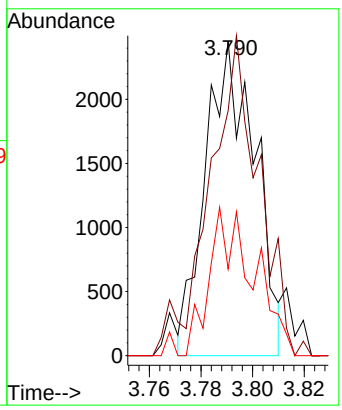


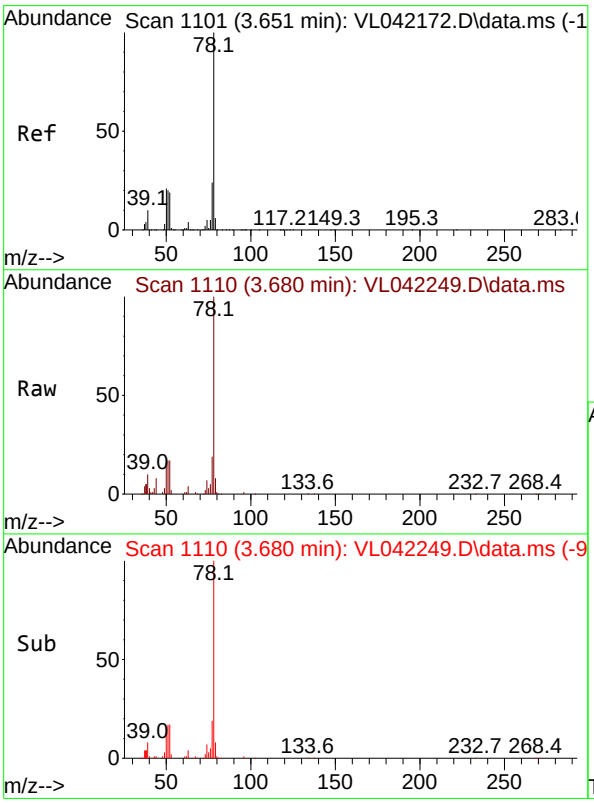
#35
Carbon Tetrachloride
Concen: 0.083 ppbv
RT: 3.790 min Scan# 1
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:117 Resp: 3266

Ion	Ratio	Lower	Upper
117	100		
119	71.9	76.2	114.2#
121	29.5	24.2	36.4

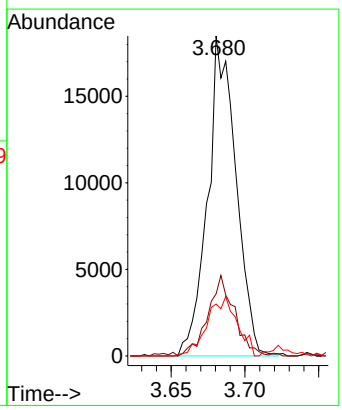


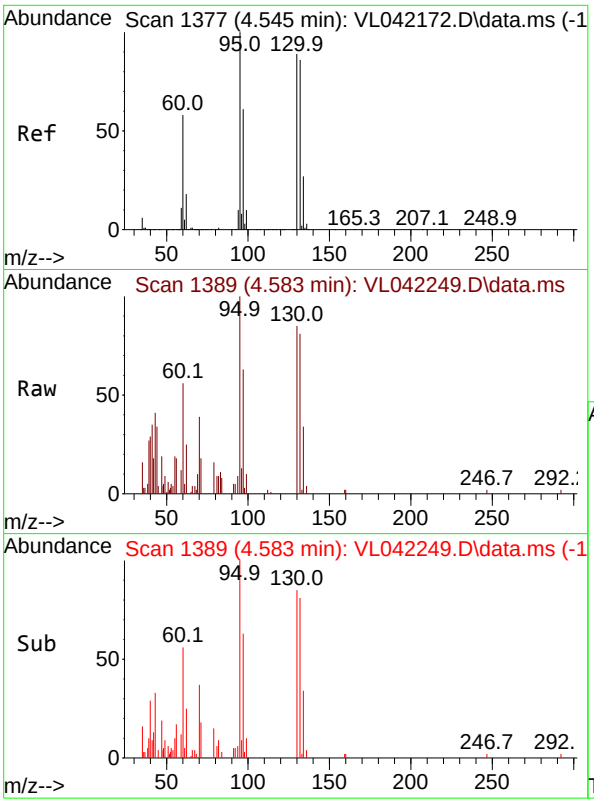


#36
Benzene
Concen: 0.492 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 78 Resp: 24686

Ion	Ratio	Lower	Upper
78	100		
77	19.4	19.1	28.7
50	15.7	16.6	24.8#



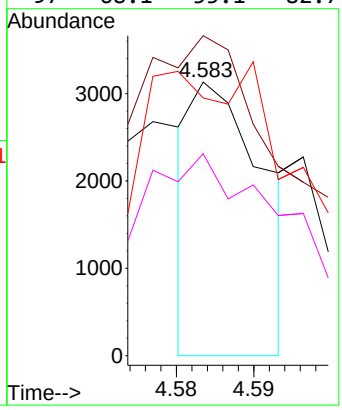


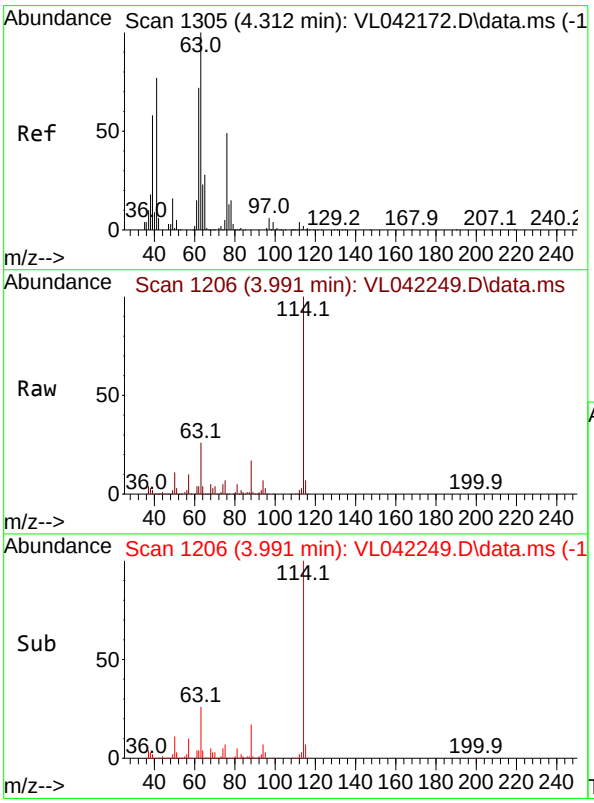
#38
Trichloroethene
Concen: 0.095 ppbv
RT: 4.583 min Scan# 1
Delta R.T. 0.039 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:130 Resp: 1996

Ion	Ratio	Lower	Upper
130	100		
95	143.9	89.8	134.8#
132	89.9	77.4	116.2
97	68.1	55.1	82.7

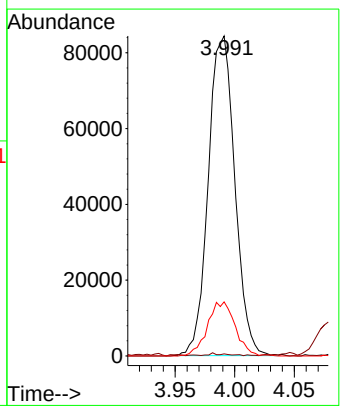


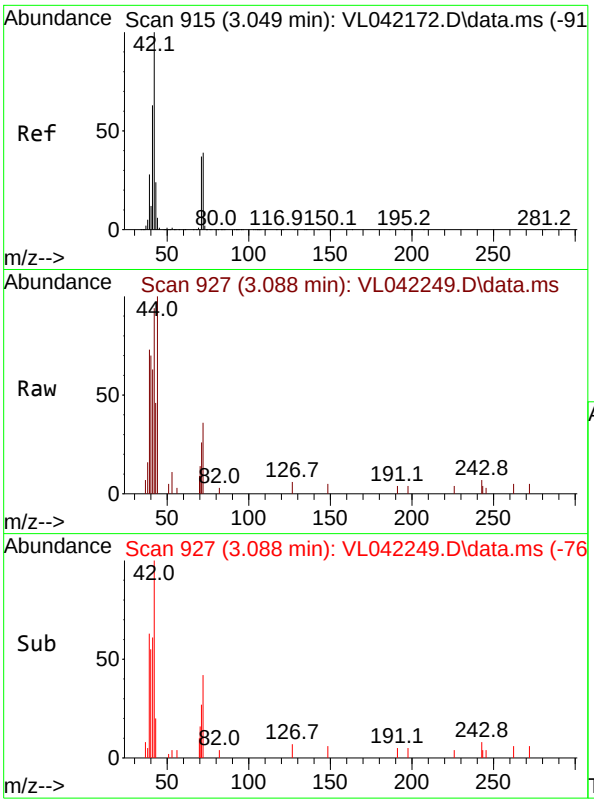


#39
1,2-Dichloropropane
Concen: 7.151 ppbv
RT: 3.991 min Scan# 1206
Delta R.T. -0.320 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 63 Resp: 130789

Ion	Ratio	Lower	Upper
63	100		
41	0.3	61.7	92.5#
62	16.9	57.6	86.4#



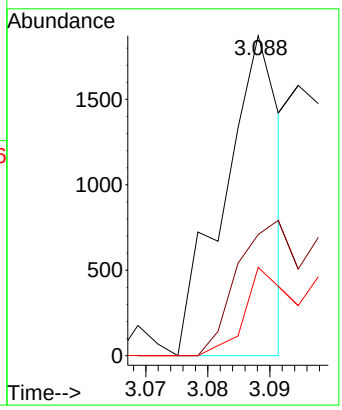


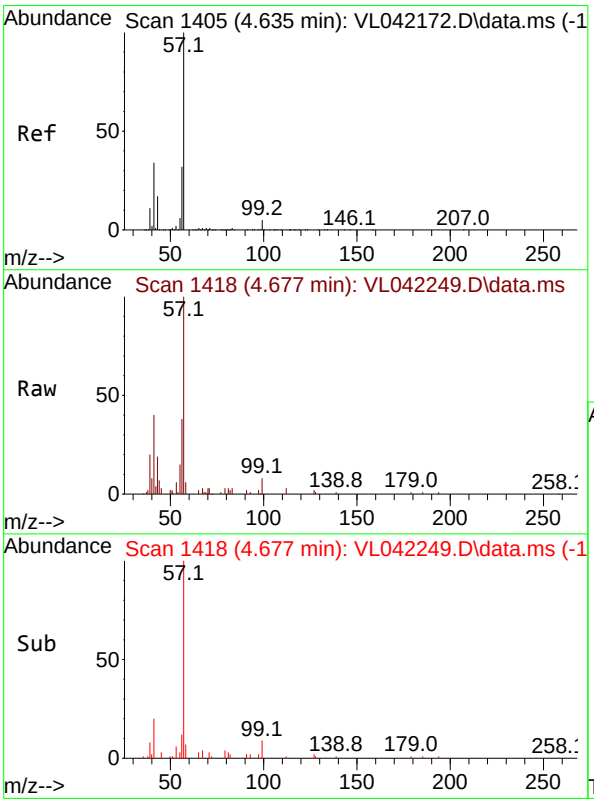
#41
Tetrahydrofuran
Concen: 0.055 ppbv
RT: 3.088 min Scan# 9
Delta R.T. 0.039 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 42 Resp: 1169

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	48.2	30.2	45.4#

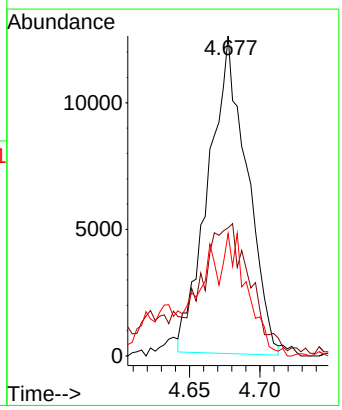


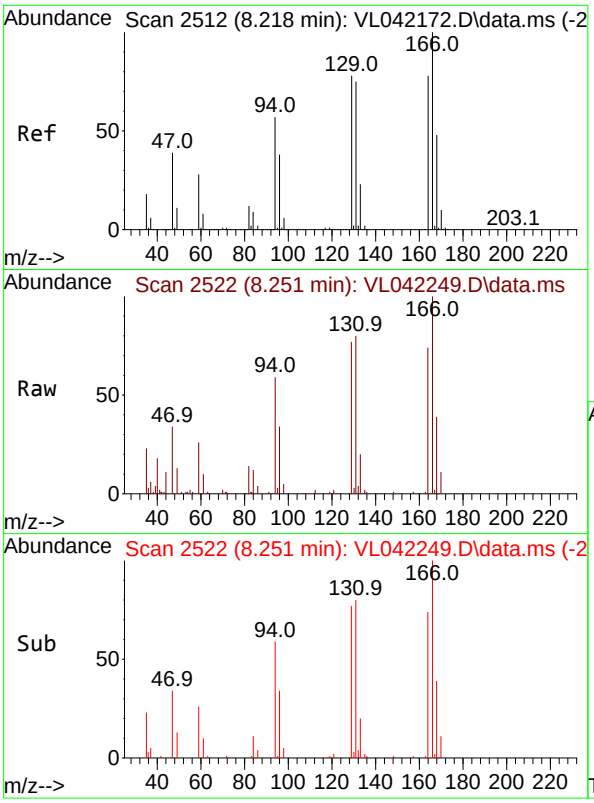


#44
2,2,4-Trimethylpentane
Concen: 0.281 ppbv
RT: 4.677 min Scan# 1418
Delta R.T. 0.042 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 57 Resp: 23872

Ion	Ratio	Lower	Upper
57	100		
41	65.8	26.8	40.2#
56	59.3	25.6	38.4#



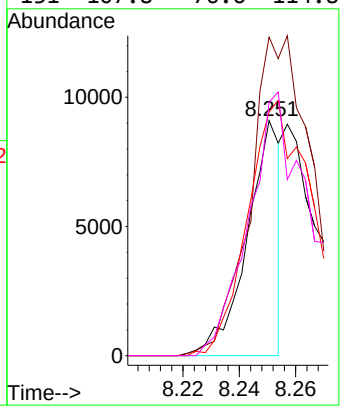


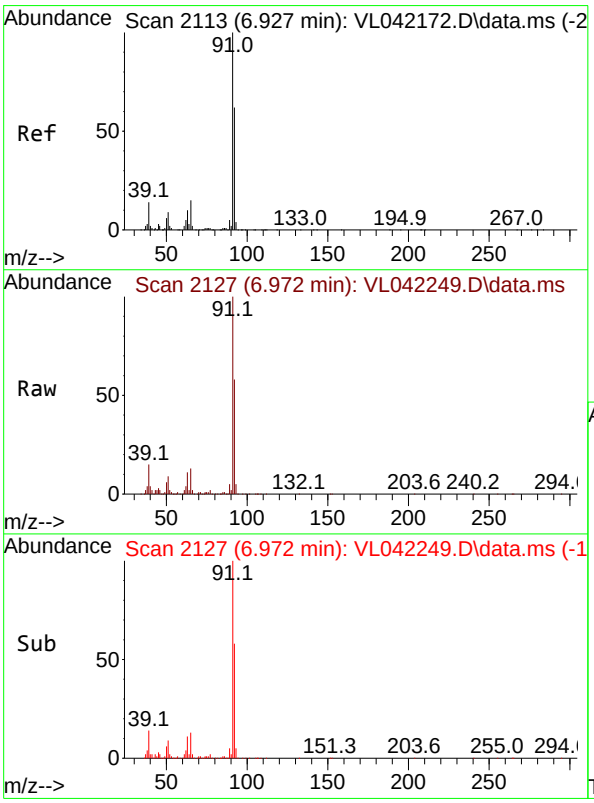
#52
Tetrachloroethene
Concen: 0.371 ppbv
RT: 8.251 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:164 Resp: 7399

Ion	Ratio	Lower	Upper
164	100		
166	135.5	102.5	153.7
129	103.7	79.8	119.8
131	107.8	76.6	114.8

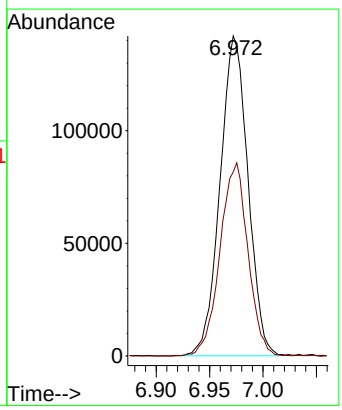


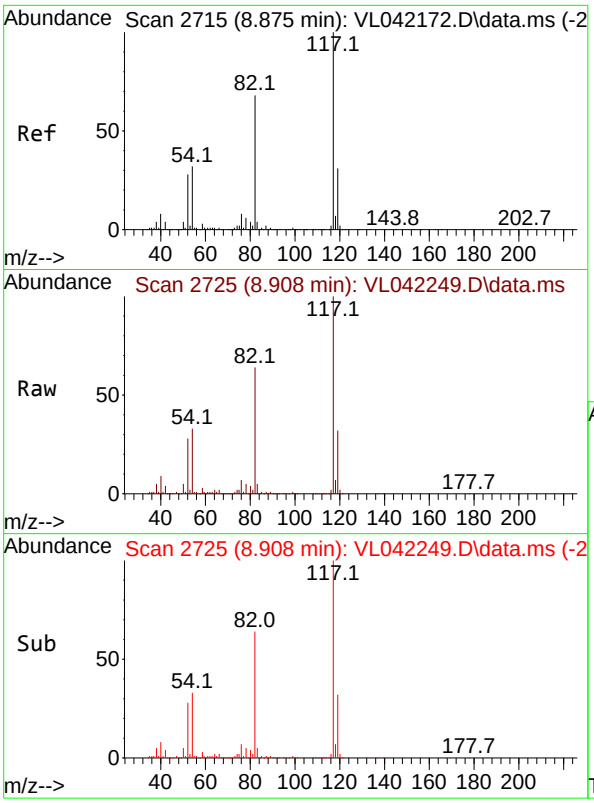


#53
Toluene
Concen: 4.334 ppbv
RT: 6.972 min Scan# 2127
Delta R.T. 0.045 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 258006

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.4	72.6



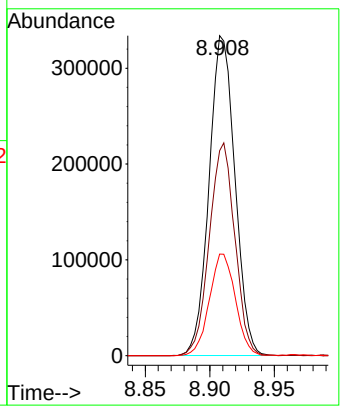


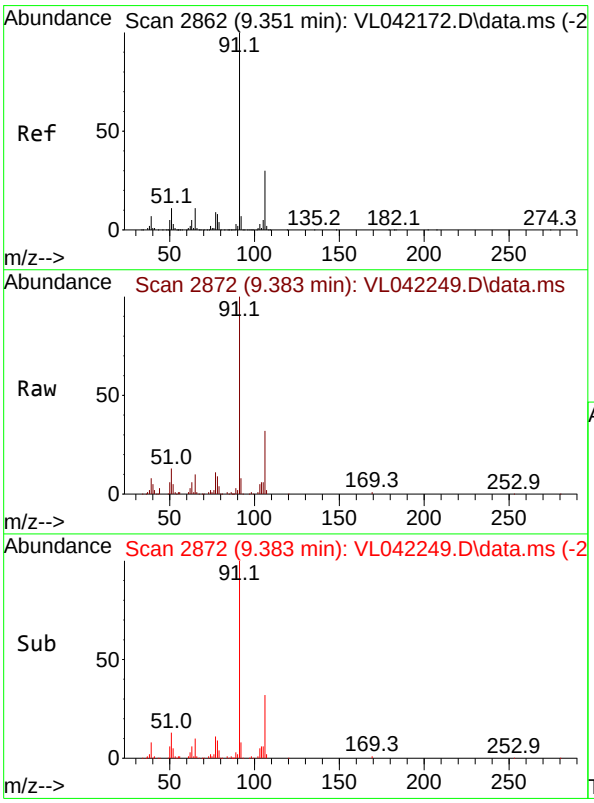
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.908 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:117 Resp: 465539

Ion	Ratio	Lower	Upper
117	100		
82	65.7	55.8	83.6
119	32.0	25.5	38.3

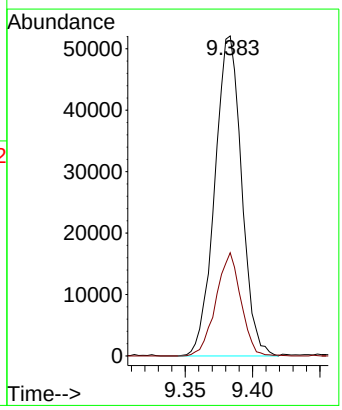


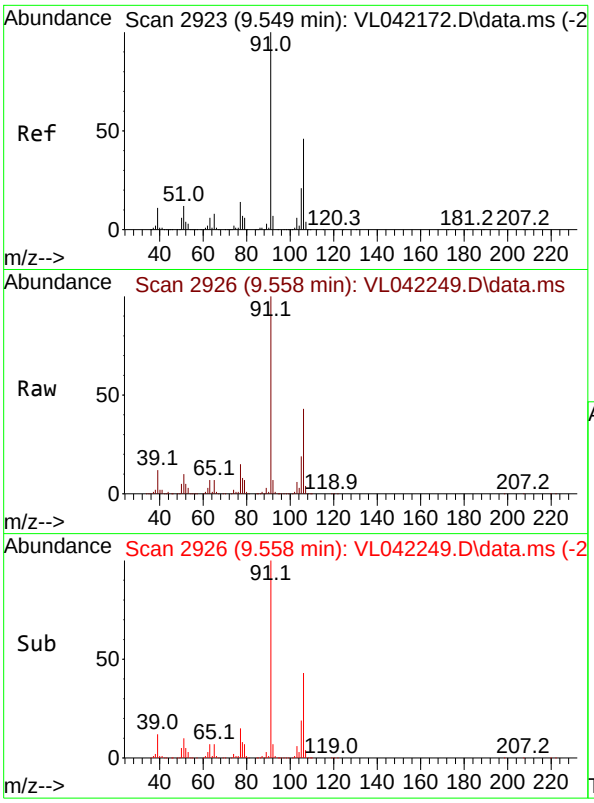


#58
Ethyl Benzene
Concen: 0.872 ppbv
RT: 9.383 min Scan# 2872
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 72131

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.2	36.2



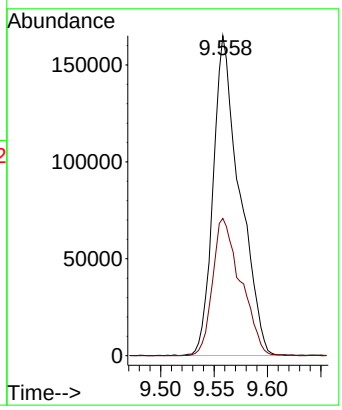


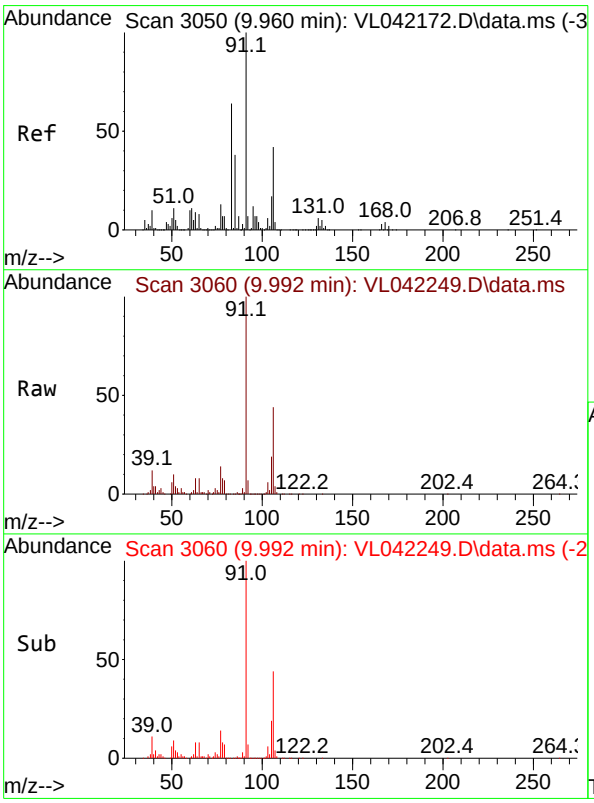
#59
m/p-Xylene
Concen: 4.307 ppbv
RT: 9.558 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 91 Resp: 284370

Ion	Ratio	Lower	Upper
91	100		
106	45.7	36.4	54.6

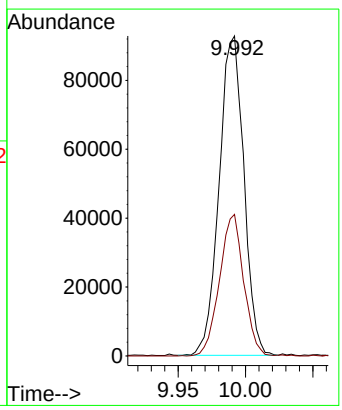


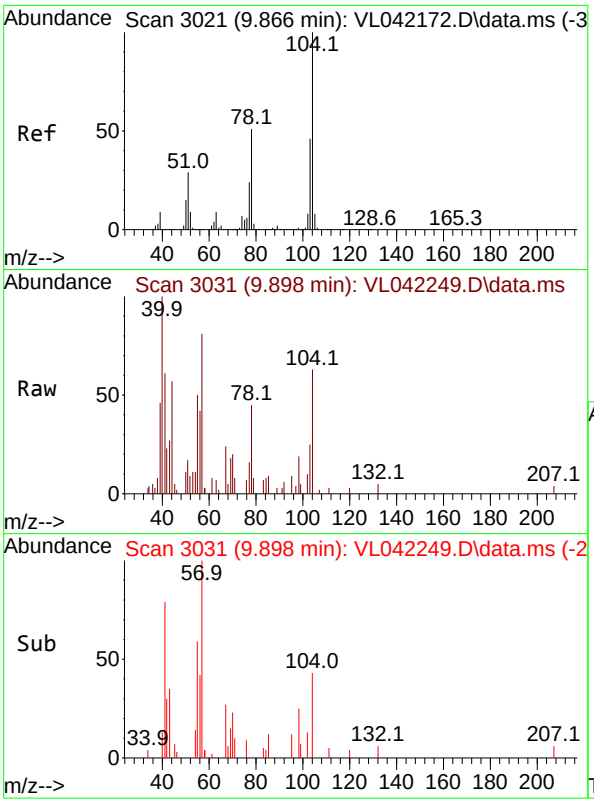


#60
o-Xylene
Concen: 1.790 ppbv
RT: 9.992 min Scan# 3060
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 118466

Ion	Ratio	Lower	Upper
91	100		
106	43.5	20.8	62.5



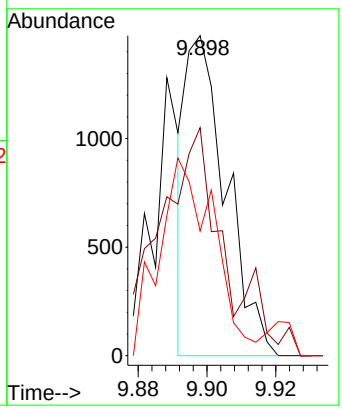


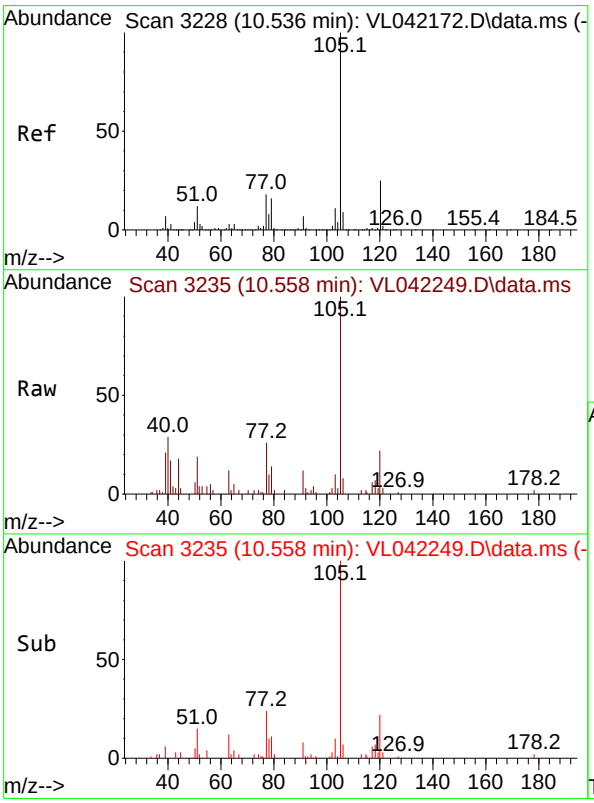
#61
Styrene
Concen: 0.037 ppbv
RT: 9.898 min Scan# 3
Delta R.T. 0.032 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:104 Resp: 1201

Ion	Ratio	Lower	Upper
104	100		
78	119.2	41.8	62.6#
103	0.0	37.0	55.4#

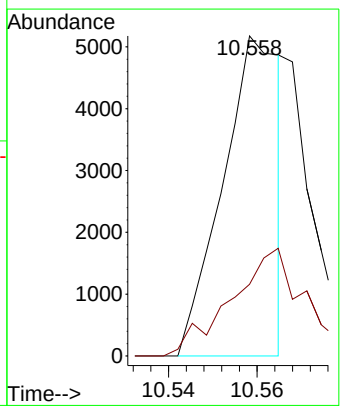


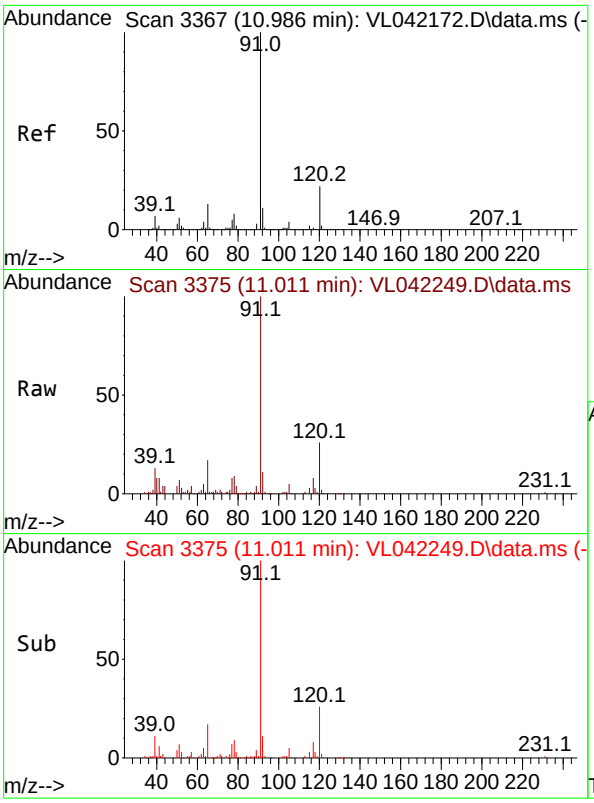


#62
Isopropylbenzene
Concen: 0.047 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:105 Resp: 4630

Ion	Ratio	Lower	Upper
105	100		
120	42.0	19.9	29.9#



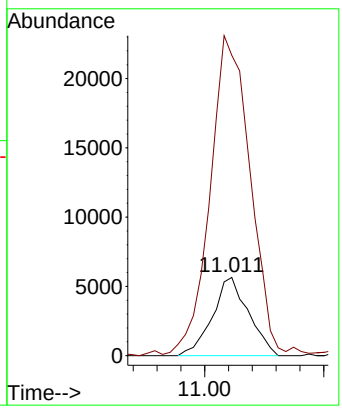


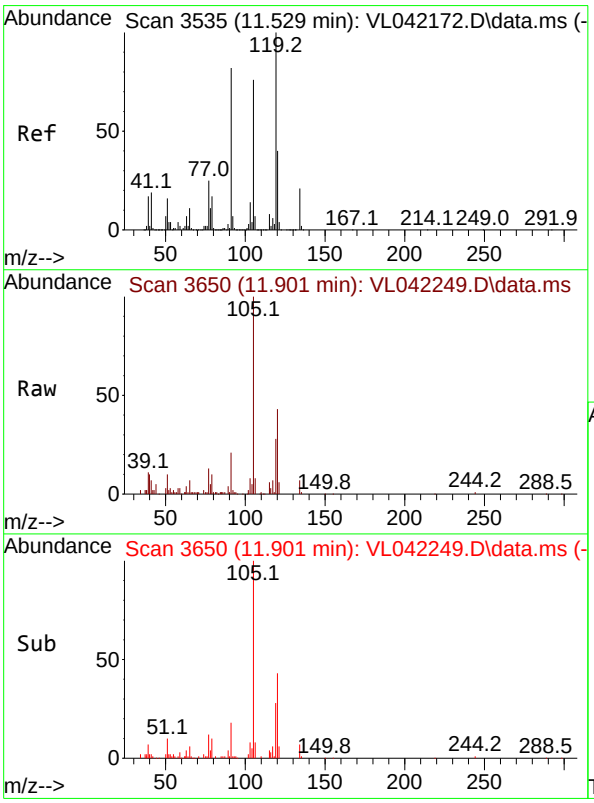
#64
n-propylbenzene
Concen: 0.233 ppbv
RT: 11.011 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:120 Resp: 5944

Ion	Ratio	Lower	Upper
120	100		
91	461.4	376.9	565.3

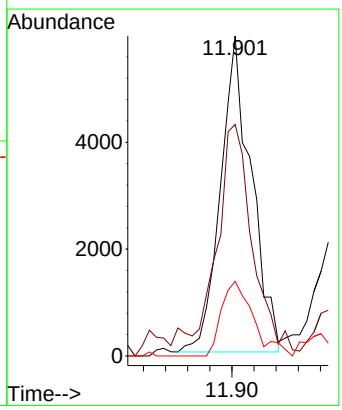


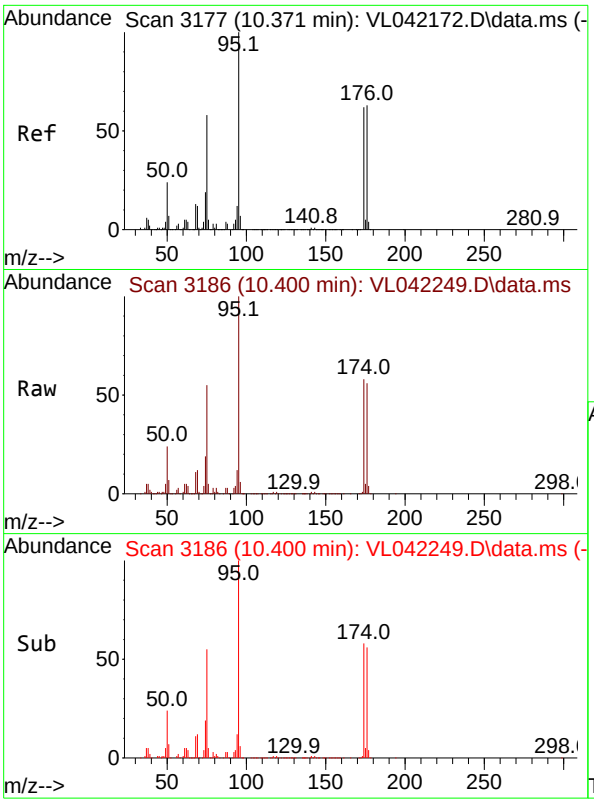


#65
tert-Butylbenzene
Concen: 0.063 ppbv
RT: 11.901 min Scan# 3650
Delta R.T. 0.372 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:119 Resp: 5740

Ion	Ratio	Lower	Upper
119	100		
91	94.1	66.0	99.0
134	24.3	16.7	25.1



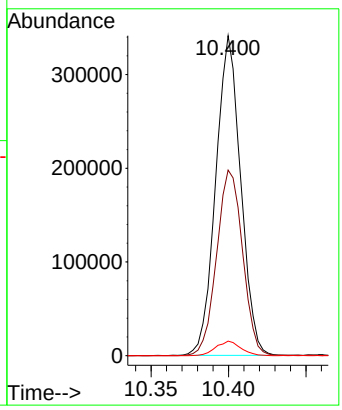


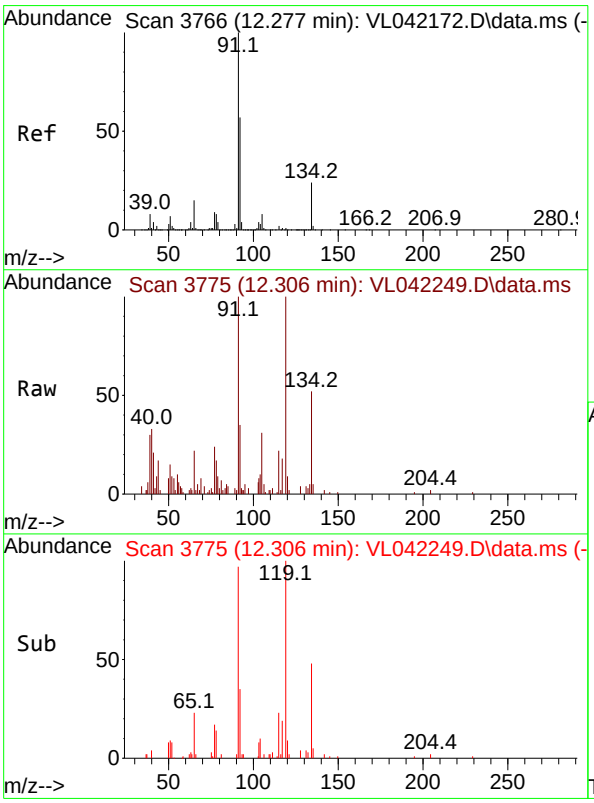
#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 10.400 min Scan# 3
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 95 Resp: 381596

Ion	Ratio	Lower	Upper
95	100		
174	60.6	50.6	76.0
175	4.6	3.8	5.6

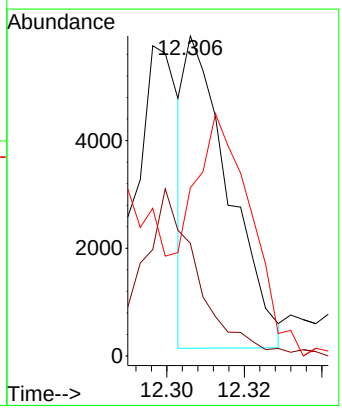


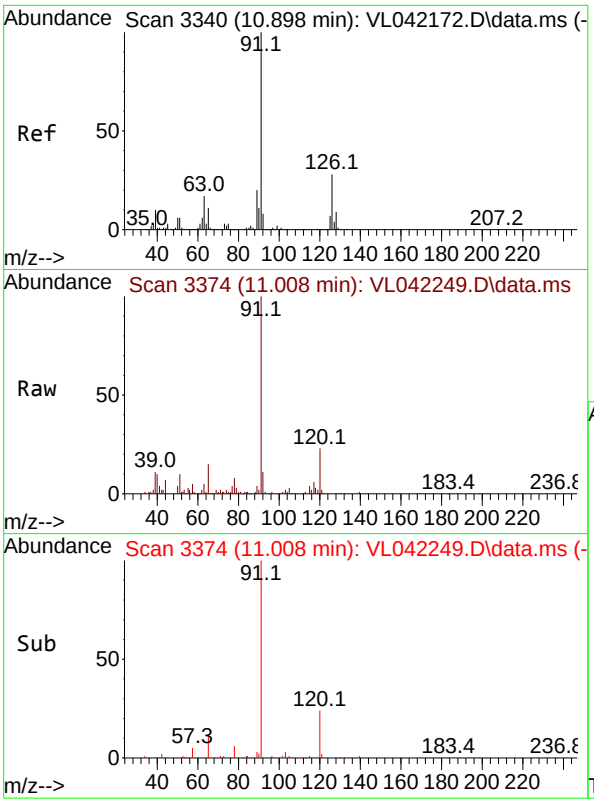


#70
n-Butylbenzene
Concen: 0.040 ppbv
RT: 12.306 min Scan# 3775
Delta R.T. 0.029 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion: 91 Resp: 4533

Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.9	67.3#
134	183.5	19.2	28.8#



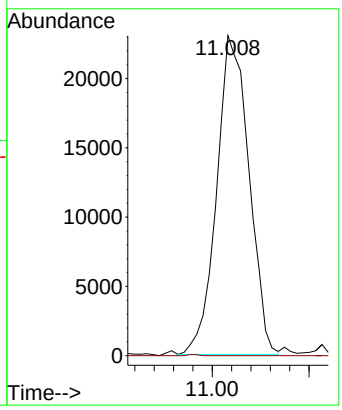


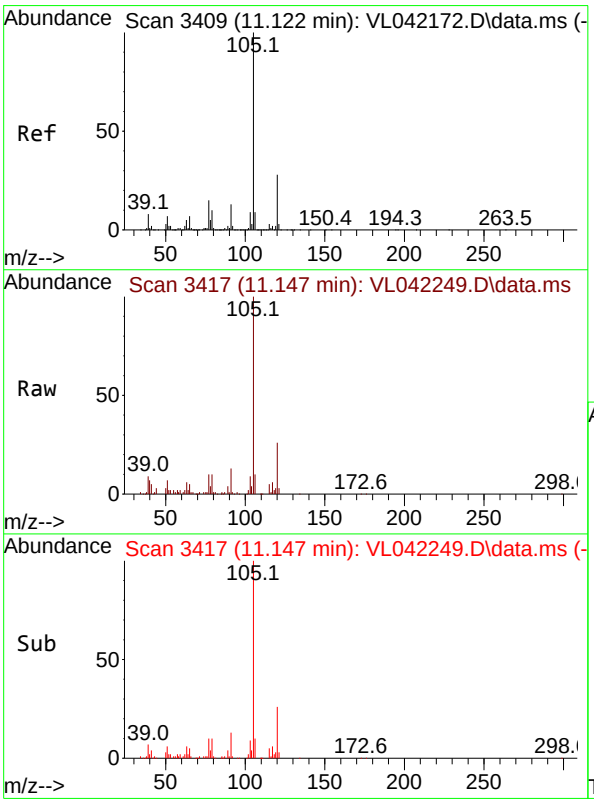
#71
2-Chlorotoluene
Concen: 0.346 ppbv
RT: 11.008 min Scan# 3
Delta R.T. 0.110 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion: 91 Resp: 26595

Ion	Ratio	Lower	Upper
91	100		
126	0.1	11.6	46.4#

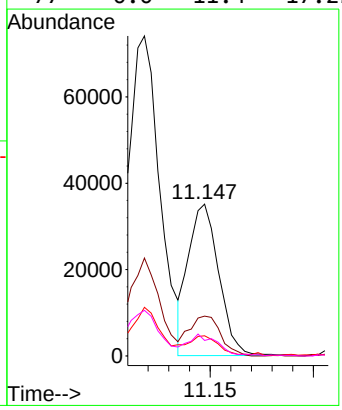


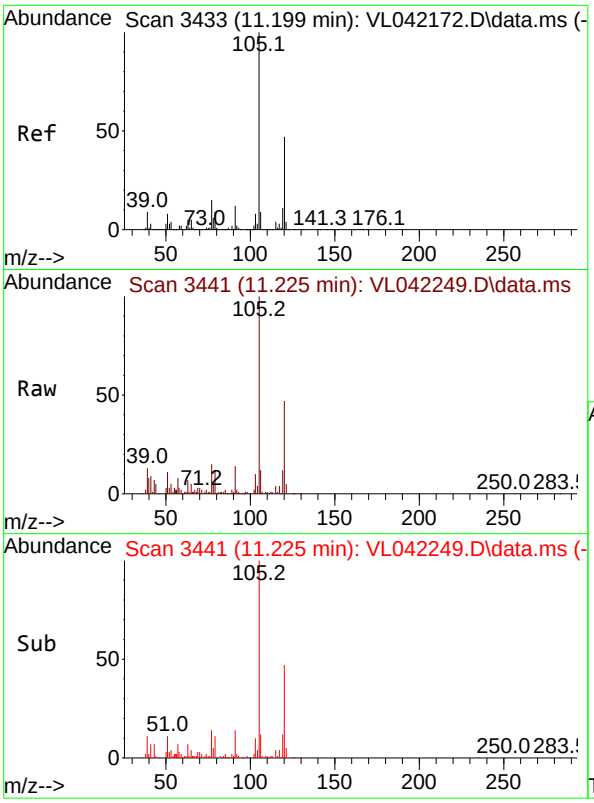


#72
4-Ethyltoluene
Concen: 0.436 ppbv
RT: 11.147 min Scan# 3417
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:105 Resp: 35916

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	0.0	10.3	15.5#
77	0.0	11.4	17.2#



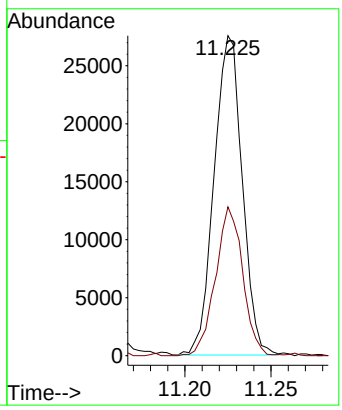


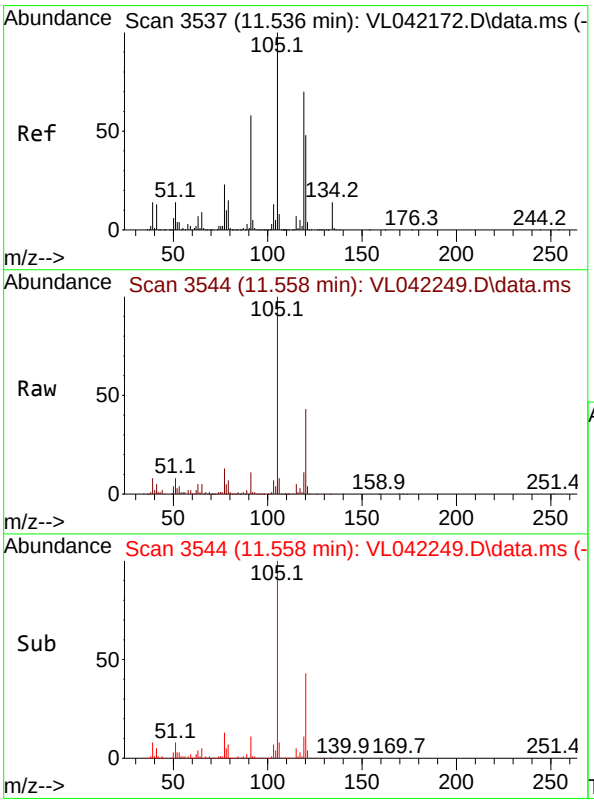
#73
1,3,5-Trimethylbenzene
Concen: 0.435 ppbv
RT: 11.225 min Scan# 34
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:105 Resp: 31326

Ion	Ratio	Lower	Upper
105	100		
120	46.6	37.4	56.0

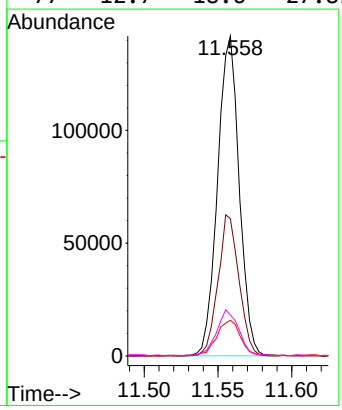


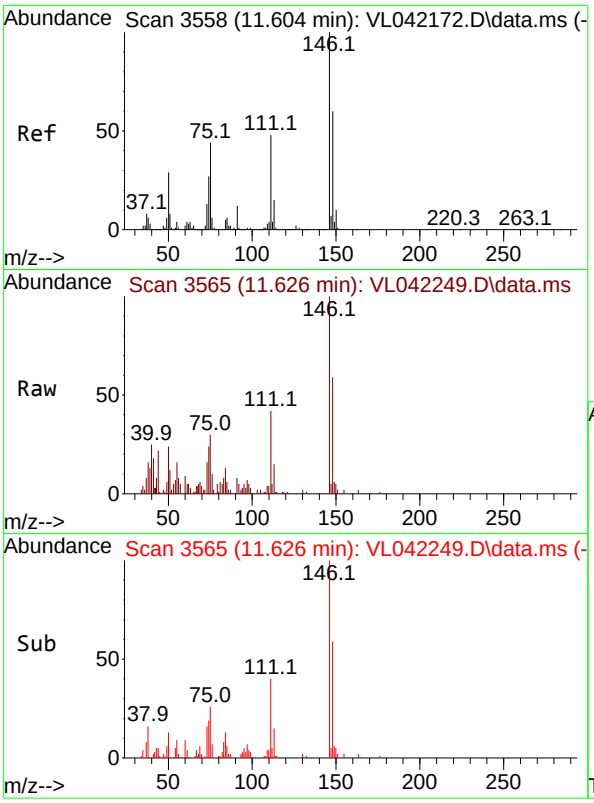


#74
1,2,4-Trimethylbenzene
Concen: 1.746 ppbv
RT: 11.558 min Scan# 3544
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:105 Resp: 144819

Ion	Ratio	Lower	Upper
105	100		
120	42.9	38.6	58.0
91	11.0	46.2	69.2#
77	12.7	18.6	27.8#



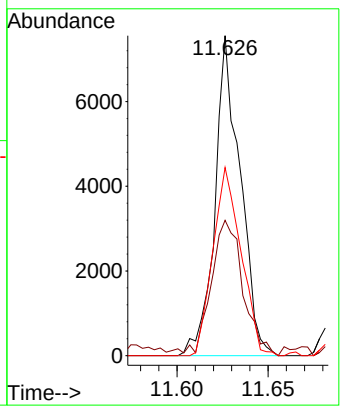


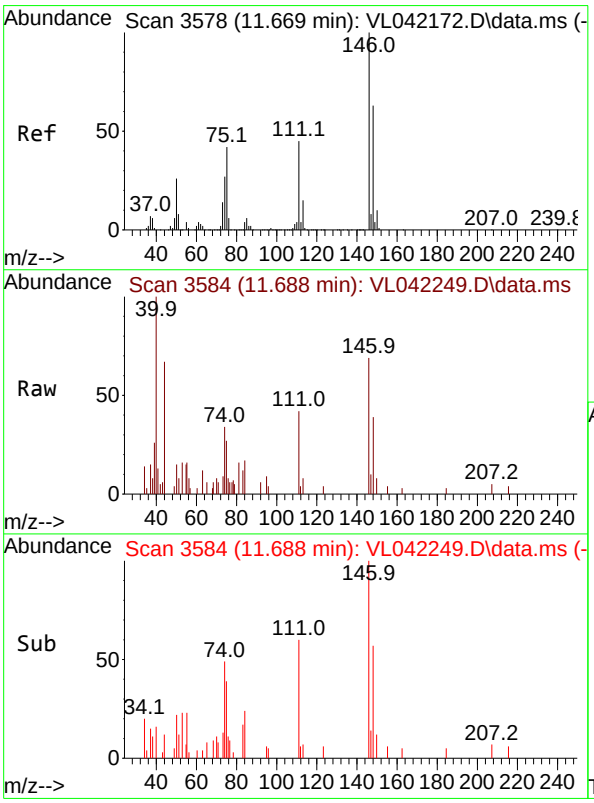
#75
1,3-Dichlorobenzene
Concen: 0.161 ppbv
RT: 11.626 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:146 Resp: 7305

Ion	Ratio	Lower	Upper
146	100		
111	56.0	23.8	71.2
148	65.5	31.9	95.9

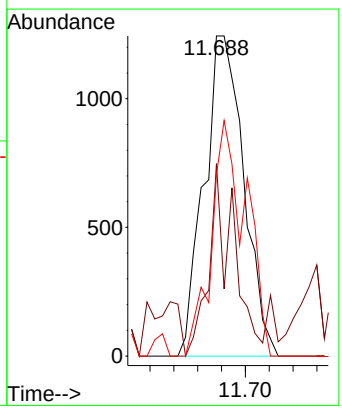


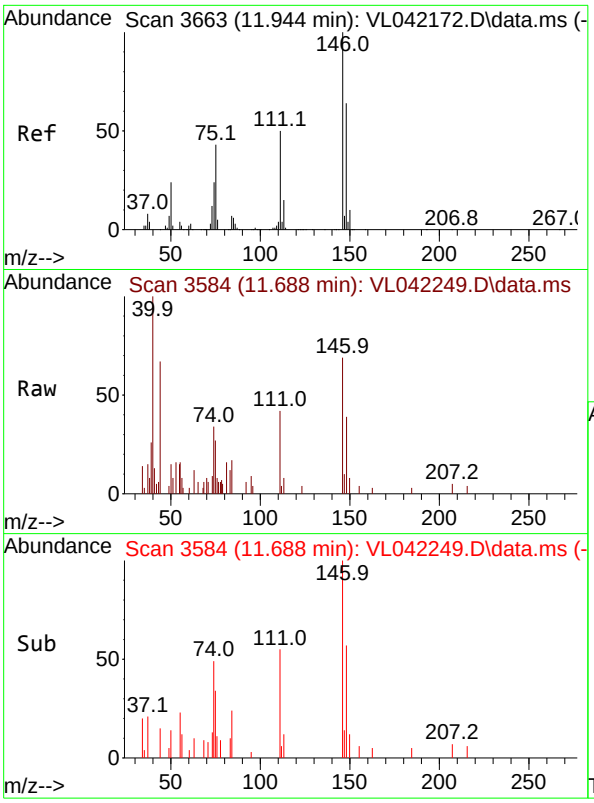


#76
1,4-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:146 Resp: 1439

Ion	Ratio	Lower	Upper
146	100		
111	53.8	23.0	69.0
148	66.3	31.9	95.7



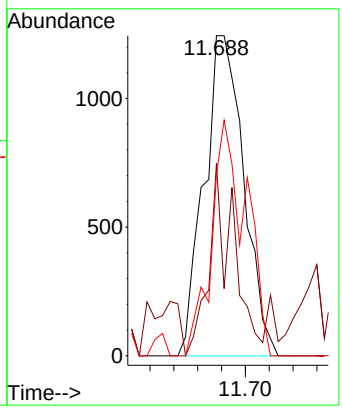


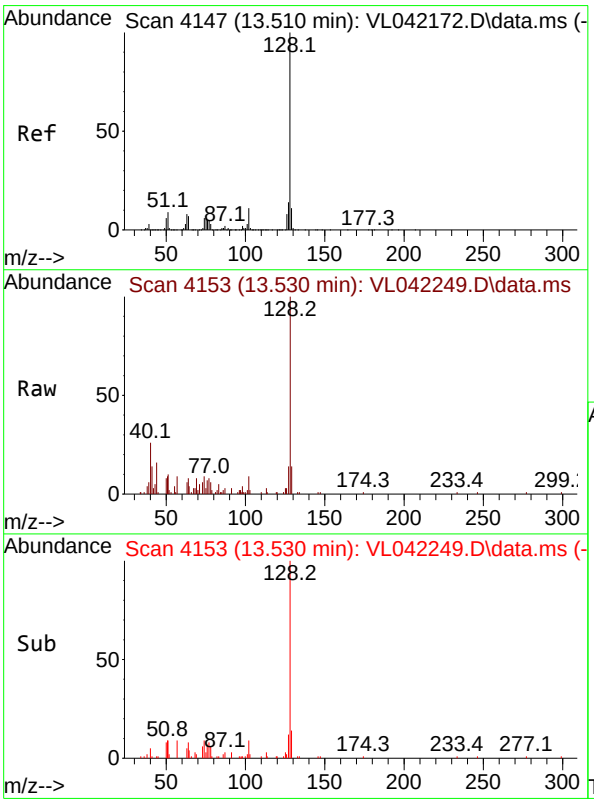
#77
1,2-Dichlorobenzene
Concen: 0.032 ppbv
RT: 11.688 min Scan# 3
Delta R.T. -0.256 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:146 Resp: 1439

Ion	Ratio	Lower	Upper
146	100		
111	47.0	24.8	74.3
148	64.3	31.6	94.8

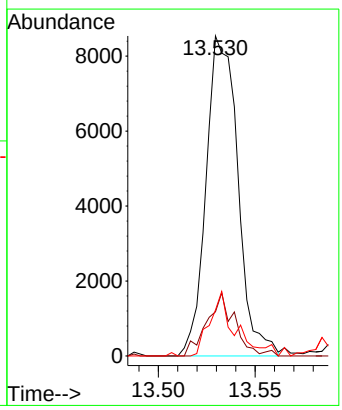


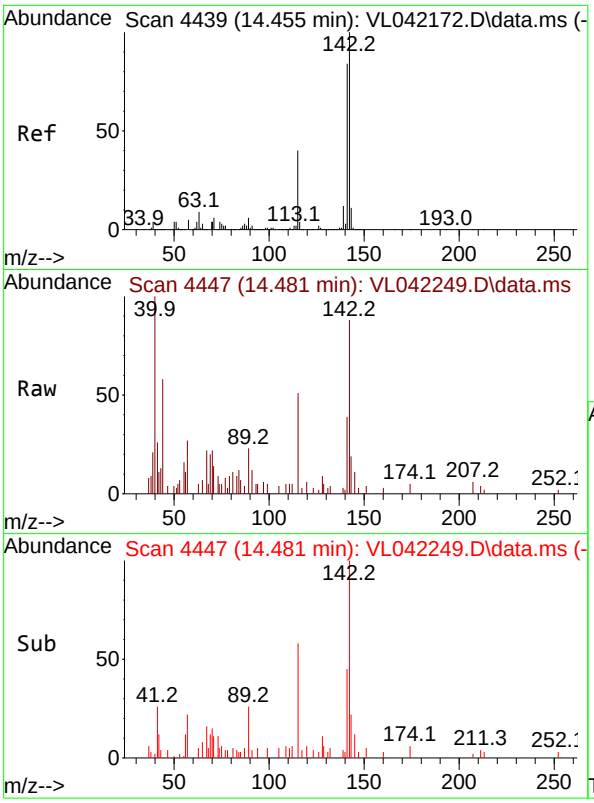


#79
Naphthalene
Concen: 0.107 ppbv
RT: 13.530 min Scan# 4153
Delta R.T. 0.019 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Tgt Ion:128 Resp: 9741

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	14.3	9.0	13.4#



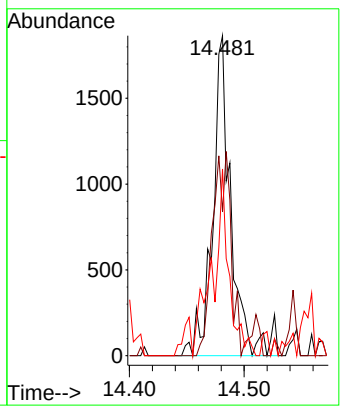


#80
Naphthalene,2-methyl-
Concen: 0.046 ppbv
RT: 14.481 min Scan# 44
Delta R.T. 0.026 min
Lab File: VL042249.D
Acq: 08 Apr 2025 00:46

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-1-03312025-SPLIT

Tgt Ion:142 Resp: 2064

Ion	Ratio	Lower	Upper
142	100		
141	71.7	66.3	99.5
115	57.9	31.6	47.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Quant Time: Apr 08 04:48:43 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

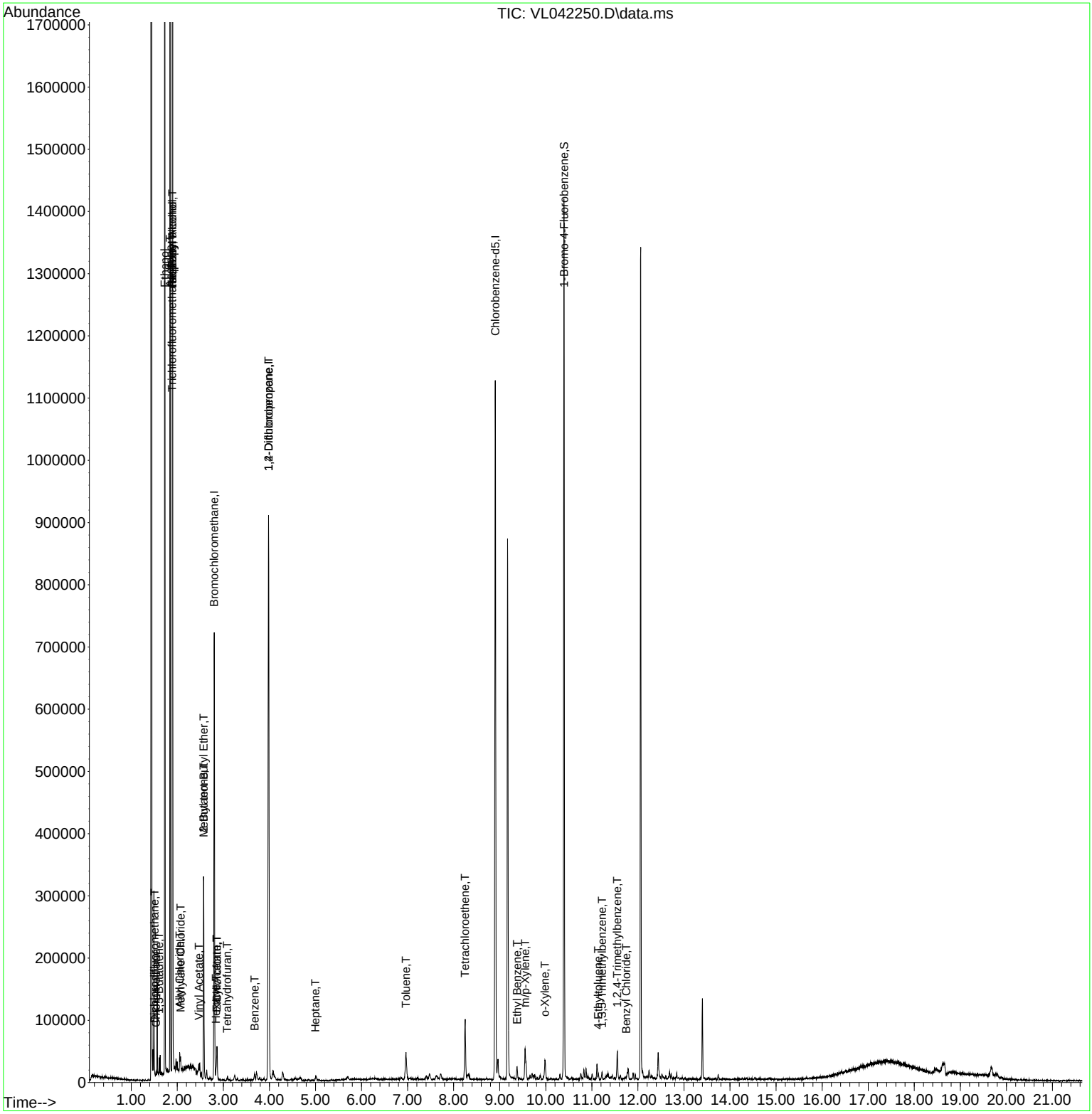
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.800	49	202914	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	515559	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	442488	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.396	95	355772	9.791	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	3378	0.113	ppbv	#	85
4) Chloromethane	1.538	50	1373	0.112	ppbv		93
9) Propene	1.894	41	183663	13.092	ppbv		87
10) Heptane	5.001	43	1340	0.036	ppbv	#	28
11) Trichlorofluoromethane	1.887	101	1578	0.054	ppbv		84
13) Ethanol	1.729	45	1061779	800.643	ppbv		86
15) Acetone	1.842	43	997970	35.166	ppbv		98
16) 1,3-Butadiene	1.606	39	2813	0.203	ppbv	#	37
17) tert-Butyl alcohol	1.894	59	73586	2.082	ppbv		95
19) Isopropyl Alcohol	1.894	45	1615569	100.898	ppbv	#	32
20) Methylene Chloride	2.072	84	2531	0.239	ppbv		97
21) Allyl Chloride	2.052	41	3603	0.180	ppbv	#	22
23) Vinyl Acetate	2.467	43	8006	0.652	ppbv	#	84
25) Ethyl Acetate	2.855	43	14171	0.192	ppbv	#	91
26) Hexane	2.842	57	3600	0.127	ppbv	#	35
28) Methyl tert-Butyl Ether	2.573	73	1970	0.111	ppbv	#	1
29) Chloroform	2.861	83	15997	0.384	ppbv		90
34) 2-Butanone	2.570	43	204814	5.479	ppbv		98
36) Benzene	3.680	78	2795	0.055	ppbv		94
39) 1,2-Dichloropropane	3.981	63	131688	7.075	ppbv	#	22
41) Tetrahydrofuran	3.085	42	1288	0.060	ppbv	#	54
52) Tetrachloroethene	8.247	164	15893	0.784	ppbv		96
53) Toluene	6.965	91	10220	0.169	ppbv	#	20
58) Ethyl Benzene	9.380	91	3497	0.044	ppbv		99
59) m/p-Xylene	9.555	91	29838	0.475	ppbv		95
60) o-Xylene	9.979	91	13109	0.208	ppbv		98
66) Benzyl Chloride	11.749	91	580	0.063	ppbv	#	94
72) 4-Ethyltoluene	11.141	105	3131	0.040	ppbv	#	60
73) 1,3,5-Trimethylbenzene	11.222	105	3445	0.050	ppbv		90
74) 1,2,4-Trimethylbenzene	11.552	105	13306	0.169	ppbv	#	67

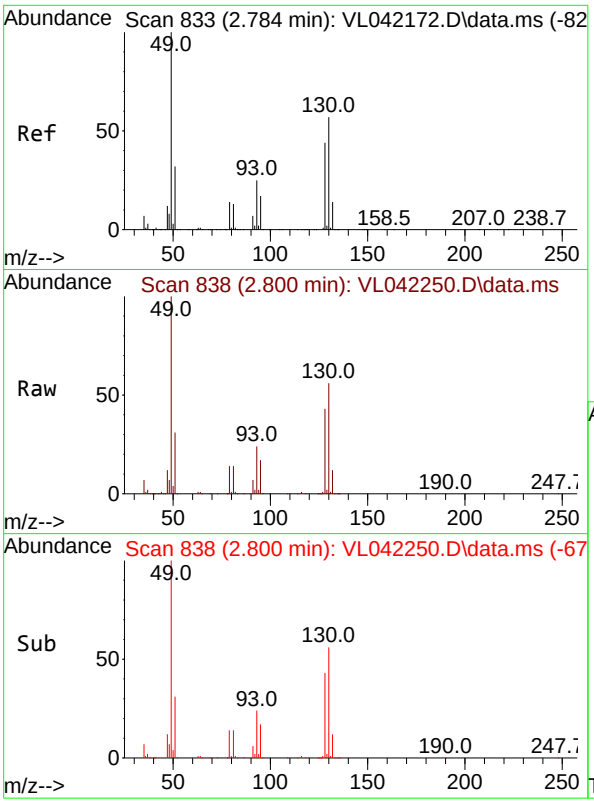
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042250.D
Acq On : 08 Apr 2025 01:17
Operator : SY/MD
Sample : Q1725-08 4X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Quant Time: Apr 08 04:48:43 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



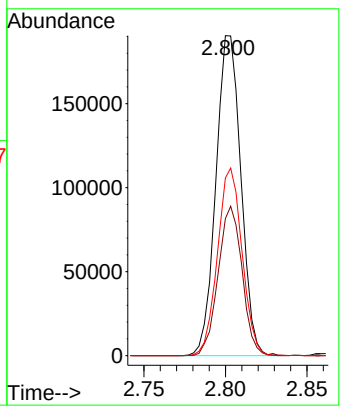


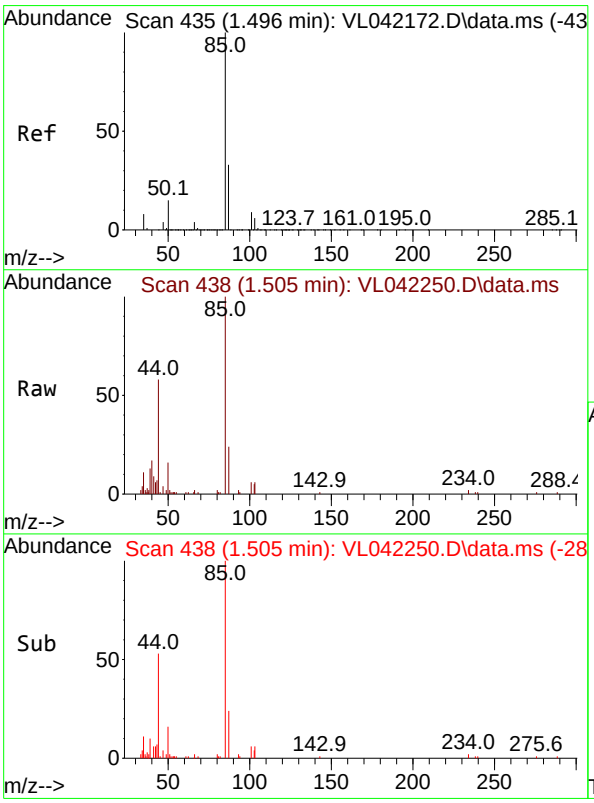
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 49 Resp: 202914

Ion	Ratio	Lower	Upper
49	100		
128	44.7	22.9	68.5
130	57.7	28.8	86.4

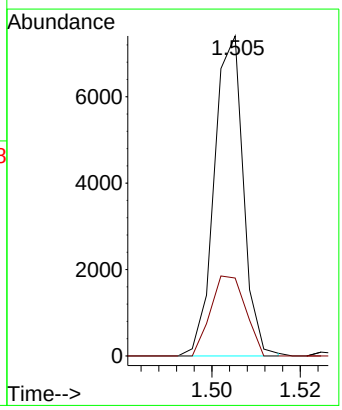


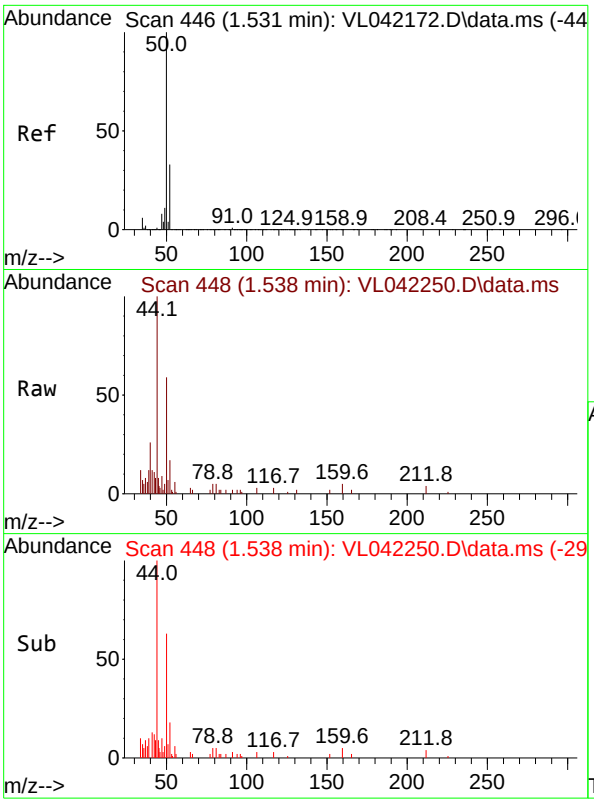


#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 85 Resp: 3378

Ion	Ratio	Lower	Upper
85	100		
87	24.4	26.1	39.1#



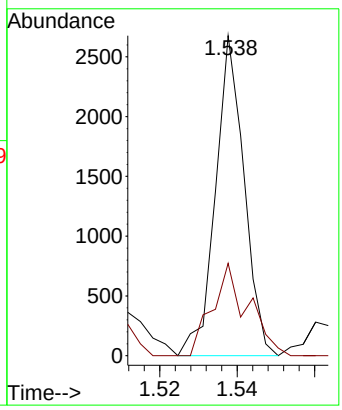


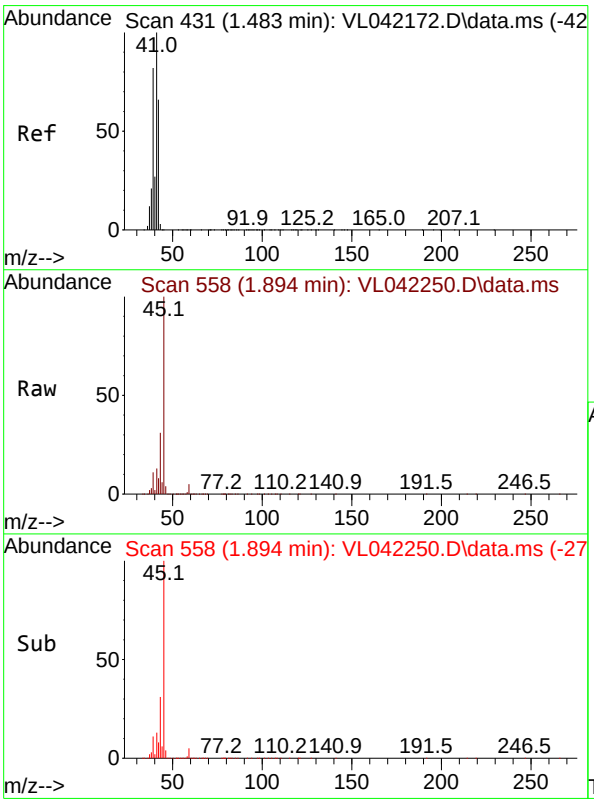
#4
Chloromethane
Concen: 0.112 ppbv
RT: 1.538 min Scan# 44
Delta R.T. 0.006 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 50 Resp: 1373

Ion	Ratio	Lower	Upper
50	100		
52	28.8	26.1	39.1

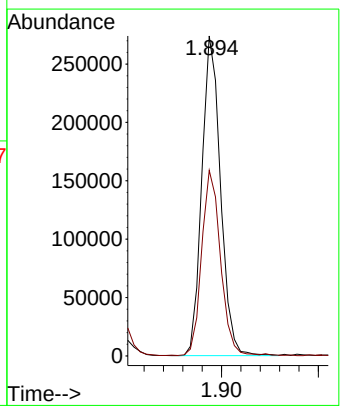


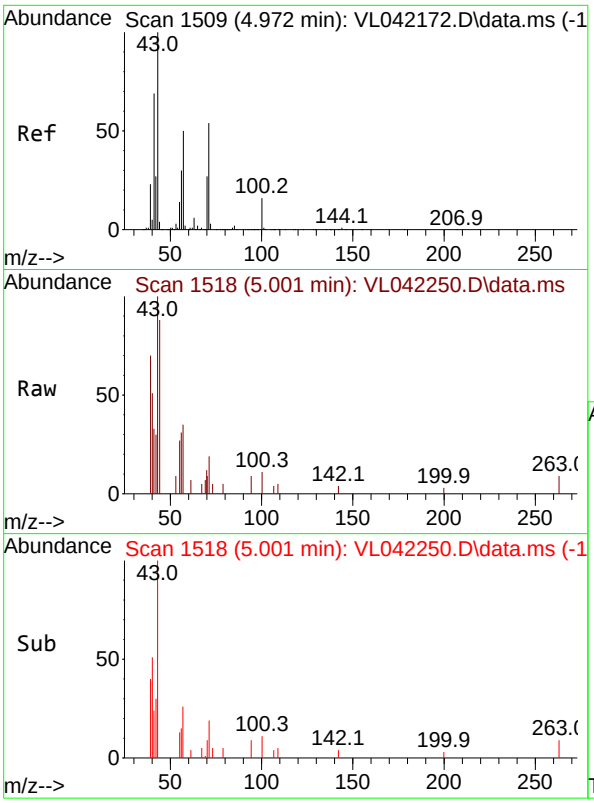


#9
Propene
Concen: 13.092 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.411 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 41 Resp: 183663

Ion	Ratio	Lower	Upper
41	100		
42	58.7	55.4	83.2



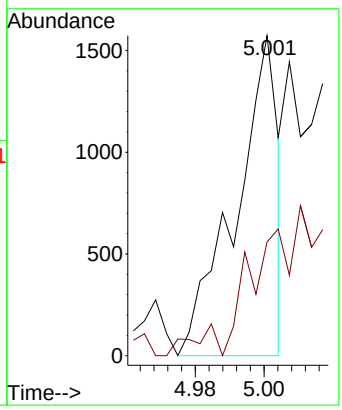


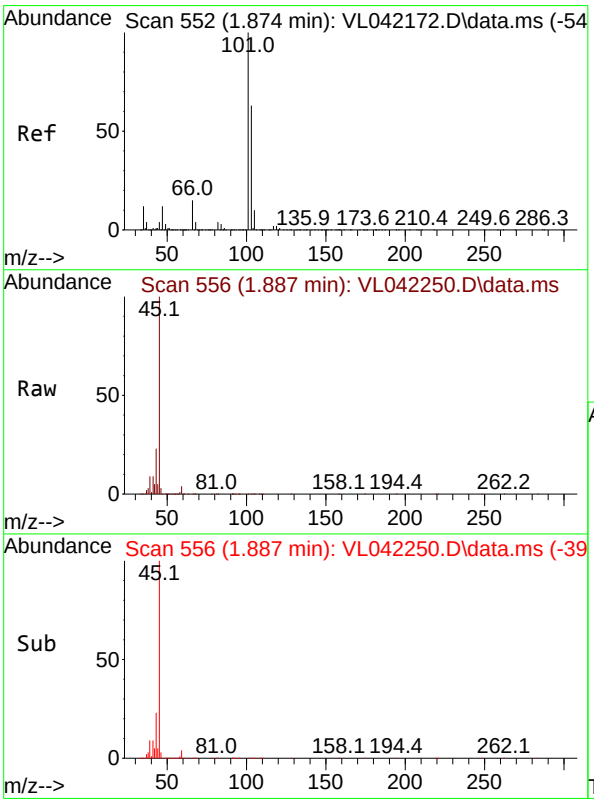
#10
Heptane
Concen: 0.036 ppbv
RT: 5.001 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 43 Resp: 1340

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.4	59.2#

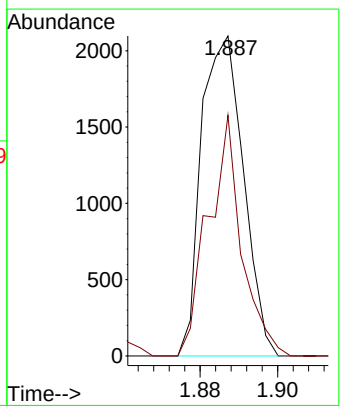


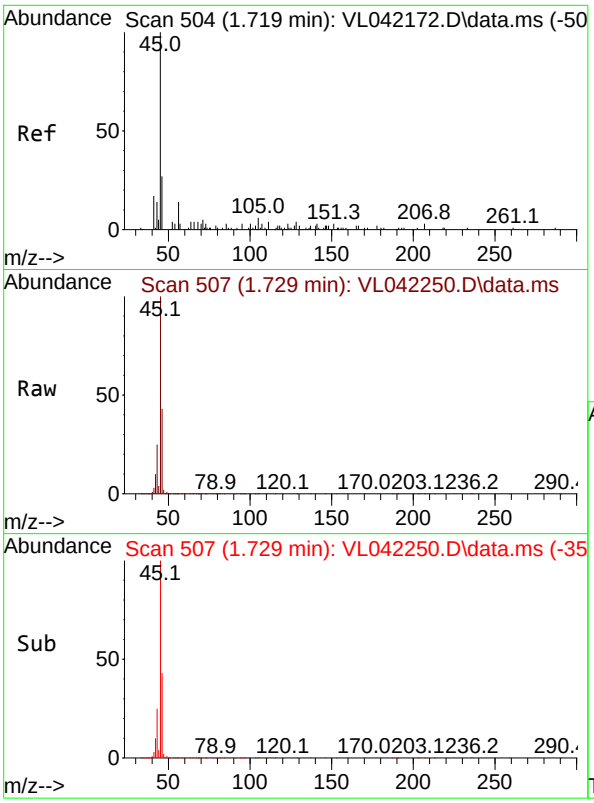


#11
Trichlorofluoromethane
Concen: 0.054 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:101 Resp: 1578

Ion	Ratio	Lower	Upper
101	100		
103	75.2	50.2	75.2



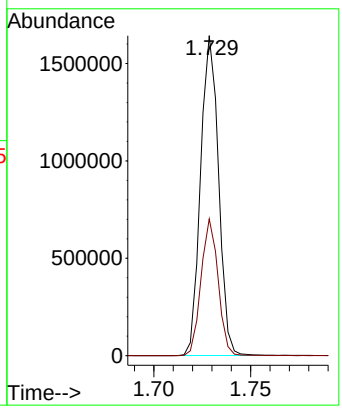


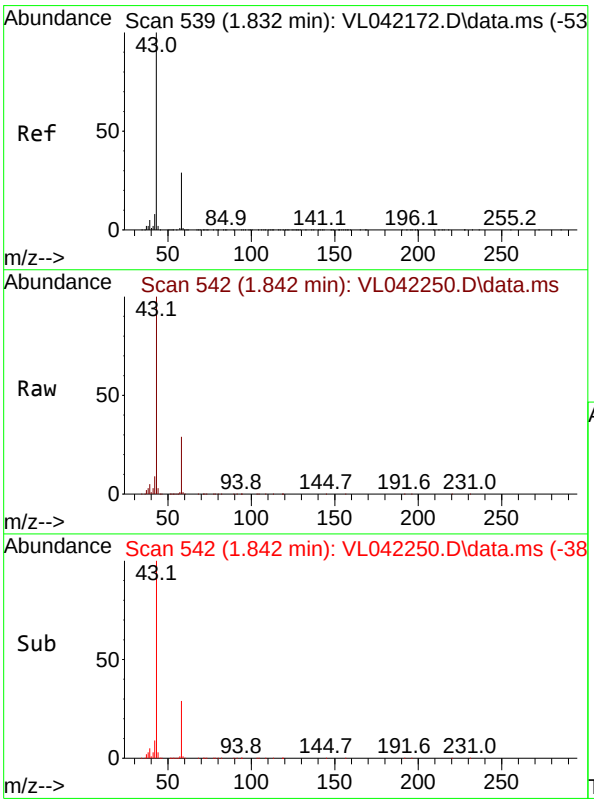
#13
Ethanol
Concen: 800.643 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 45 Resp: 1061779

Ion	Ratio	Lower	Upper
45	100		
46	40.7	20.2	80.8

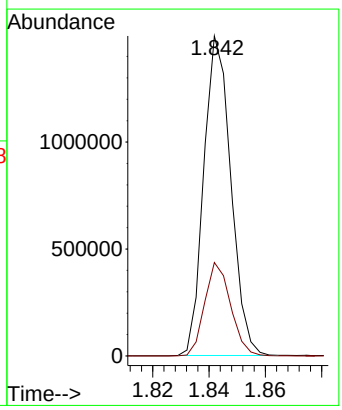


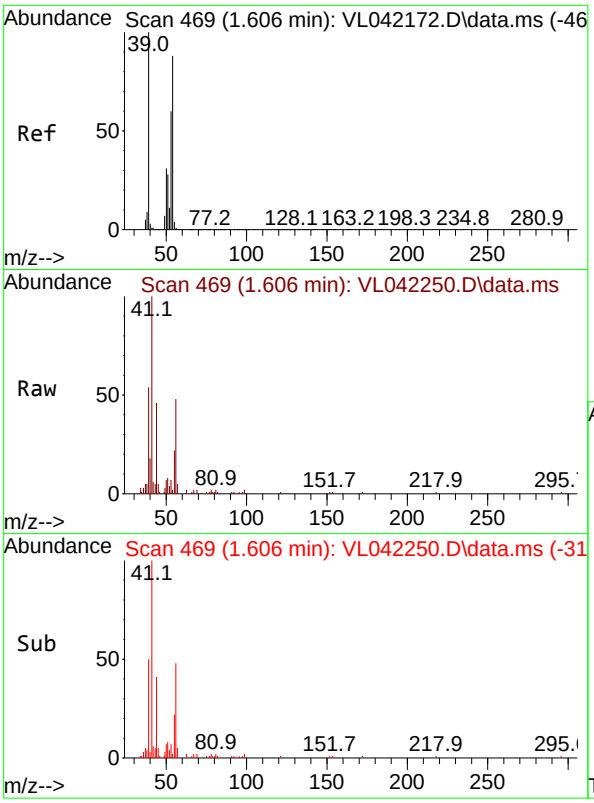


#15
Acetone
Concen: 35.166 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.010 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 43 Resp: 997970

Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.2	34.8



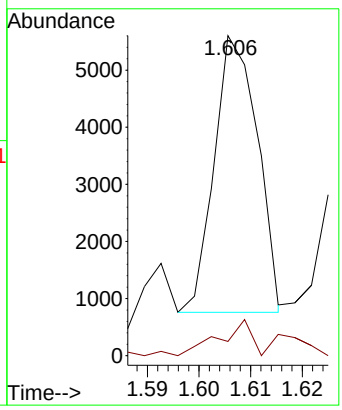


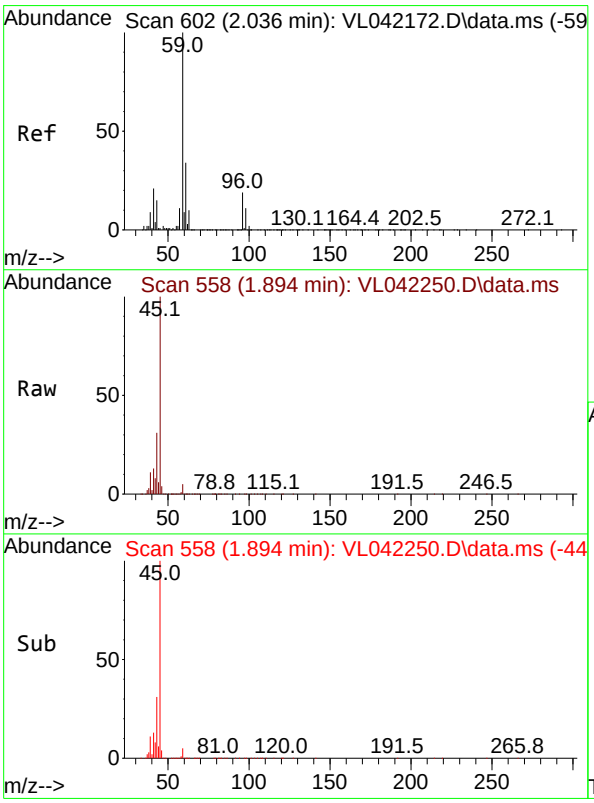
#16
1,3-Butadiene
Concen: 0.203 ppbv
RT: 1.606 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 39 Resp: 2813

Ion	Ratio	Lower	Upper
39	100		
54	21.9	60.7	91.1#

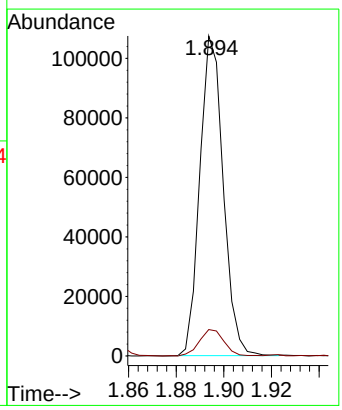


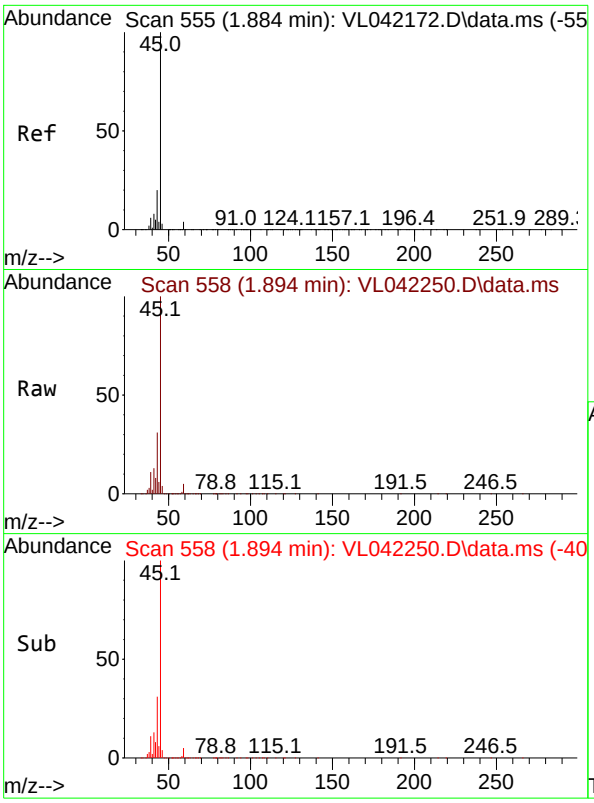


#17
tert-Butyl alcohol
Concen: 2.082 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.143 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 59 Resp: 73586

Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.9	13.3



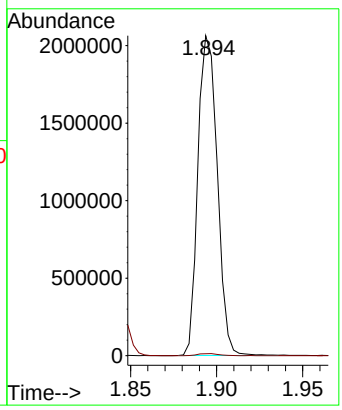


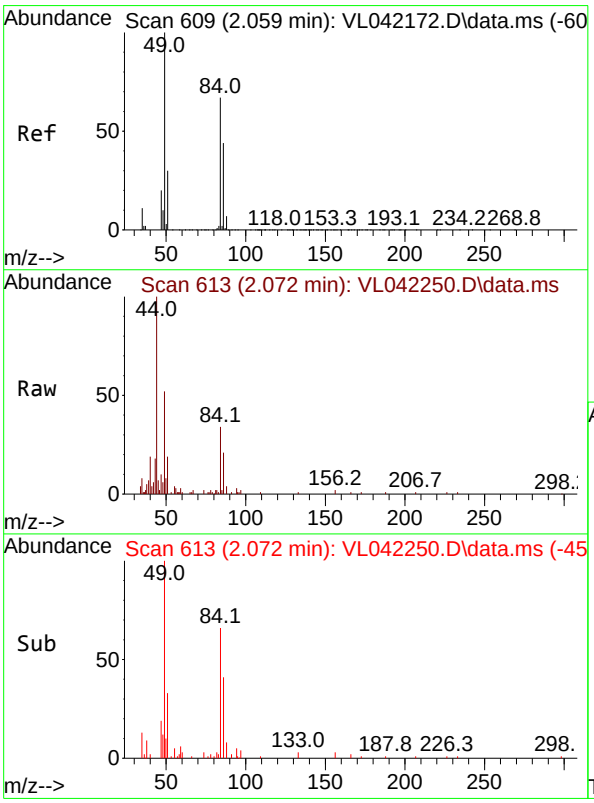
#19
Isopropyl Alcohol
Concen: 100.898 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.009 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 45 Resp: 1615569

Ion	Ratio	Lower	Upper
45	100		
58	0.8	36.9	55.3#

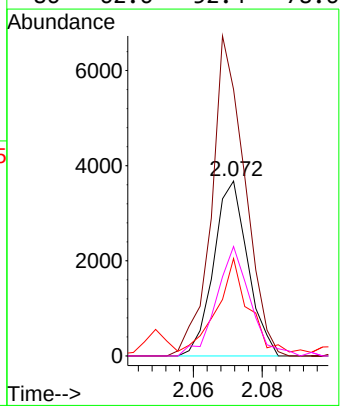


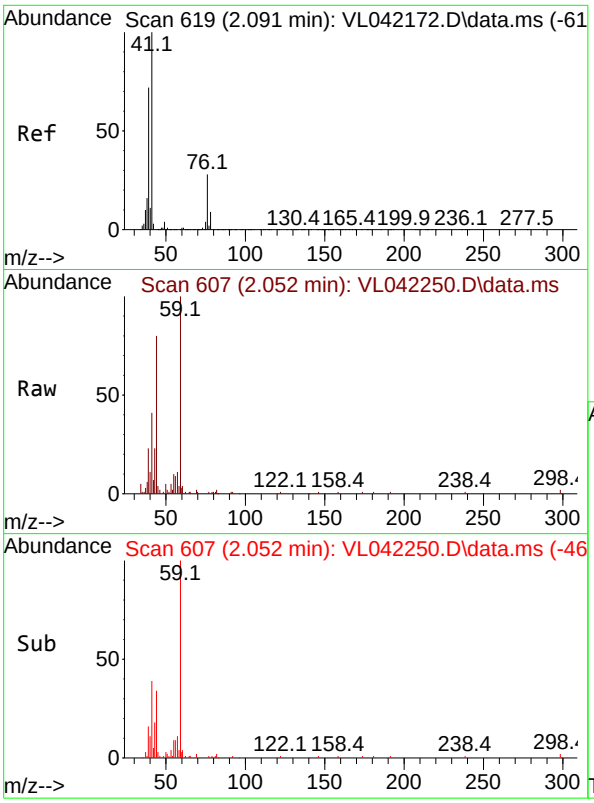


#20
Methylene Chloride
Concen: 0.239 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 84 Resp: 2531

Ion	Ratio	Lower	Upper
84	100		
49	149.9	120.2	180.4
51	53.1	37.4	56.0
86	62.6	52.4	78.6



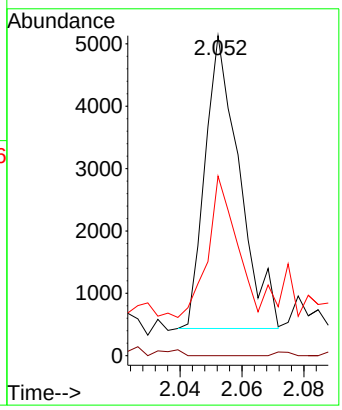


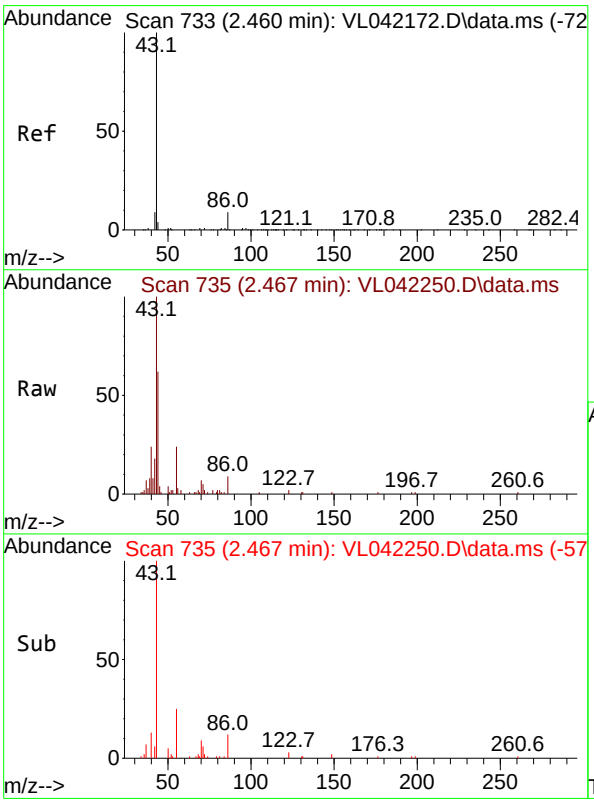
#21
Allyl Chloride
Concen: 0.180 ppbv
RT: 2.052 min Scan# 6
Delta R.T. -0.039 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 41 Resp: 3603

Ion	Ratio	Lower	Upper
41	100		
76	2.9	24.1	36.1#
39	0.0	61.1	91.7#

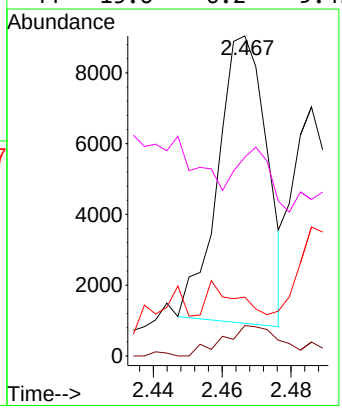


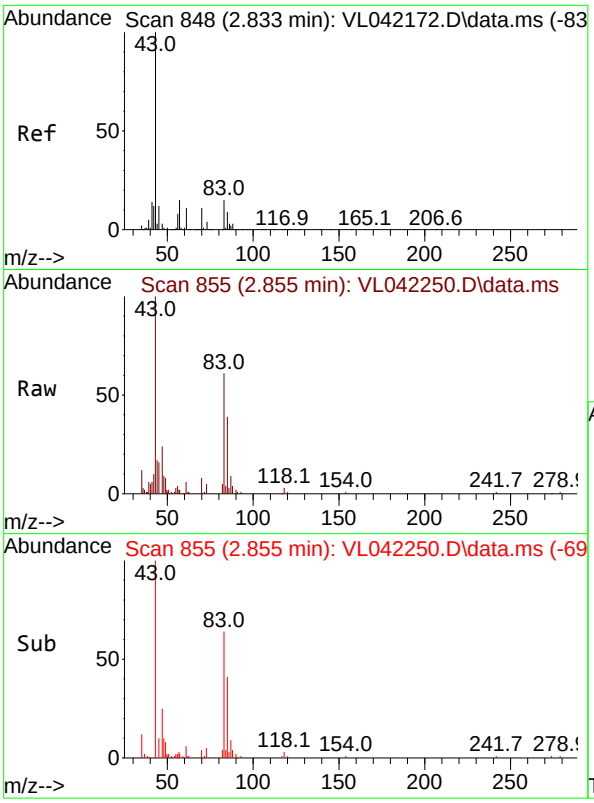


#23
Vinyl Acetate
Concen: 0.652 ppbv
RT: 2.467 min Scan# 735
Delta R.T. 0.006 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 43 Resp: 8006

Ion	Ratio	Lower	Upper
43	100		
86	10.8	5.5	8.3#
42	5.0	8.6	13.0#
44	15.6	6.2	9.4#



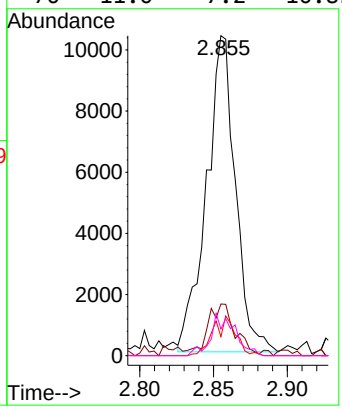


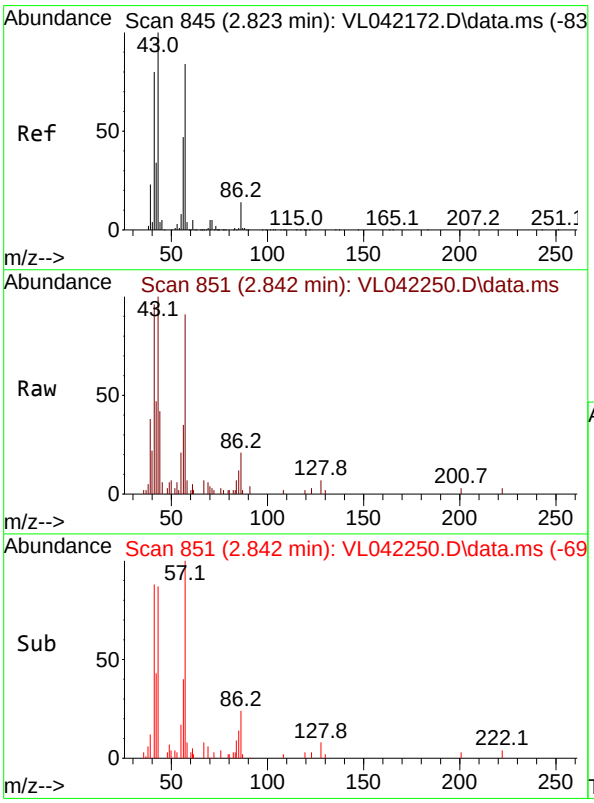
#25
Ethyl Acetate
Concen: 0.192 ppbv
RT: 2.855 min Scan# 8
Delta R.T. 0.022 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 43 Resp: 14171

Ion	Ratio	Lower	Upper
43	100		
45	17.5	8.2	12.2#
61	9.9	7.3	10.9
70	11.0	7.2	10.8#

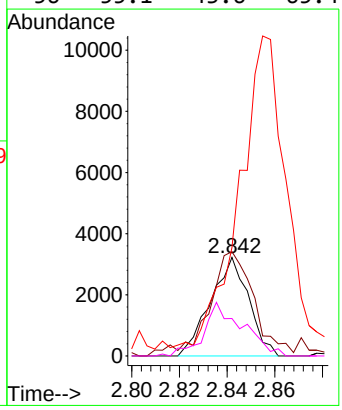


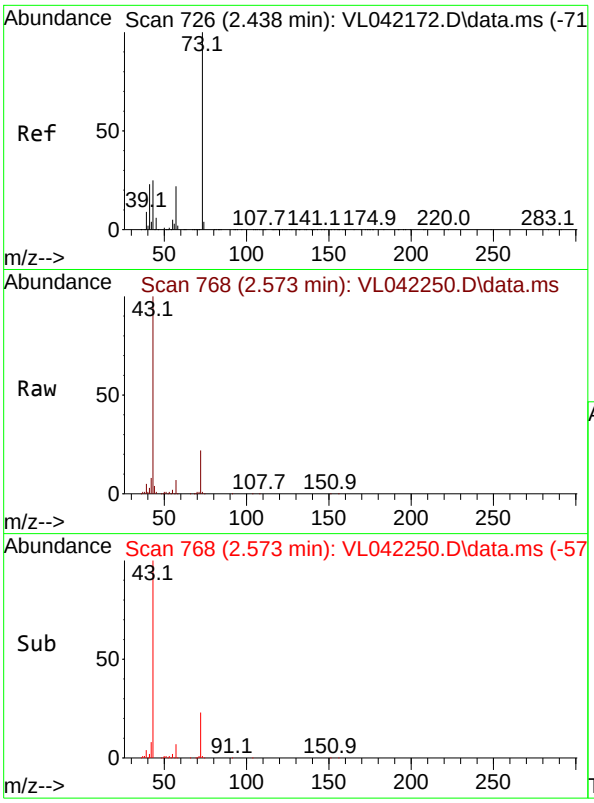


#26
Hexane
Concen: 0.127 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 57 Resp: 3600

Ion	Ratio	Lower	Upper
57	100		
41	134.7	76.6	114.8#
43	415.9	207.8	311.8#
56	55.1	43.6	65.4



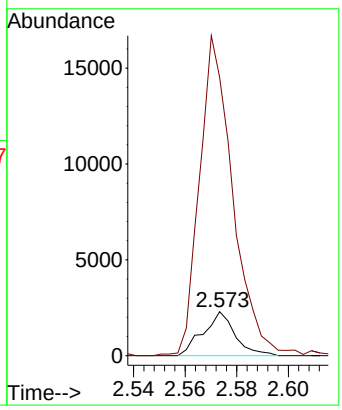


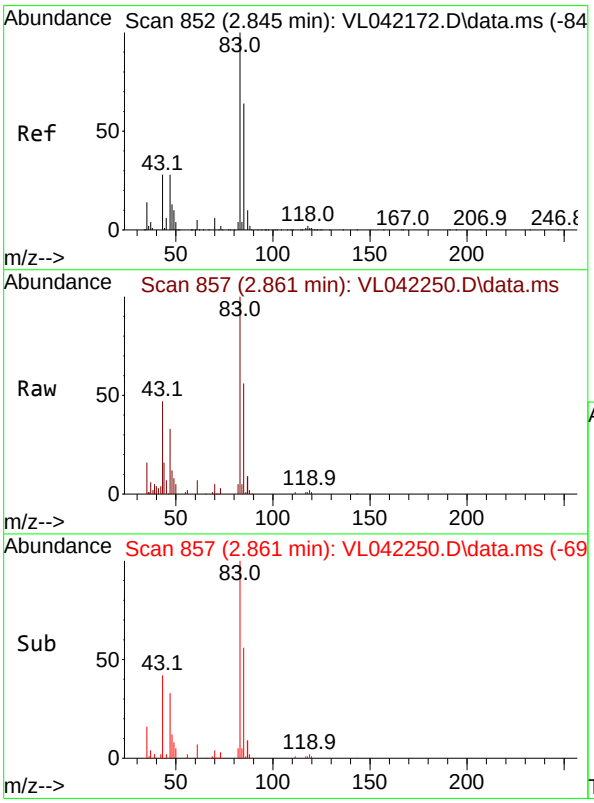
#28
Methyl tert-Butyl Ether
Concen: 0.111 ppbv
RT: 2.573 min Scan# 7
Delta R.T. 0.136 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 73 Resp: 1970

Ion	Ratio	Lower	Upper
73	100		
57	763.5	20.5	30.7#

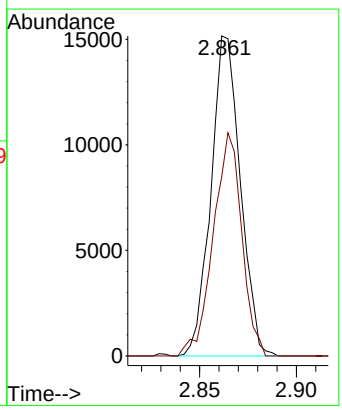


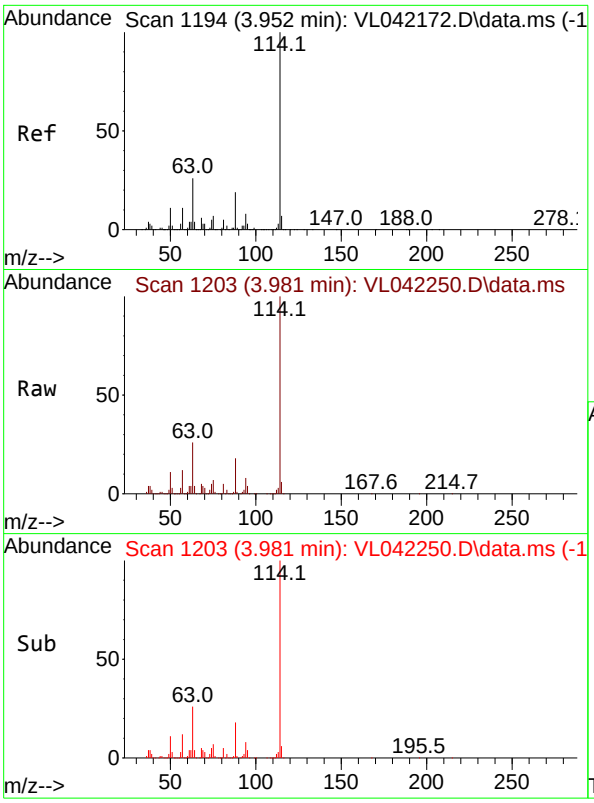


#29
Chloroform
Concen: 0.384 ppbv
RT: 2.861 min Scan# 857
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 83 Resp: 15997

Ion	Ratio	Lower	Upper
83	100		
85	56.1	51.4	77.2



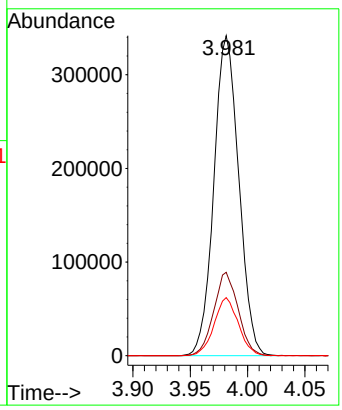


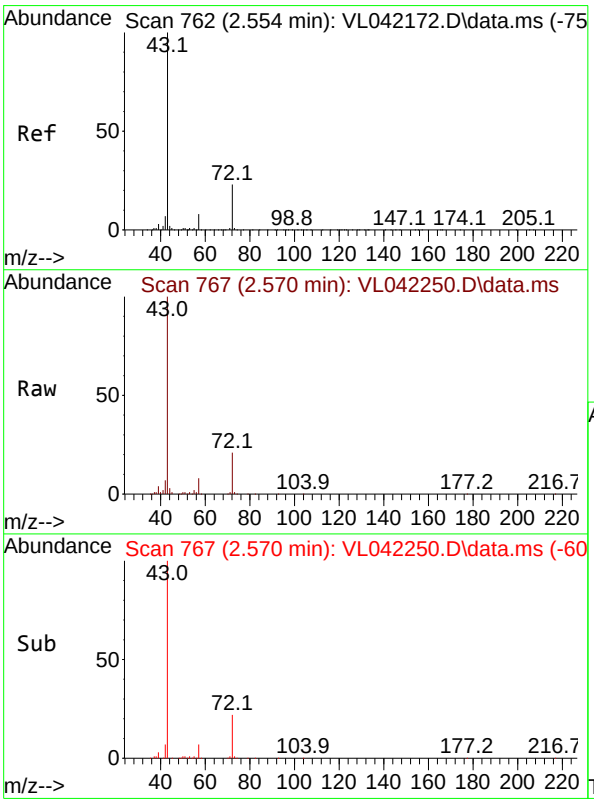
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion:114 Resp: 515559

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.7	31.1
88	17.7	15.0	22.4

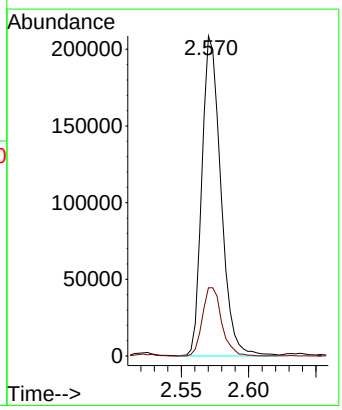


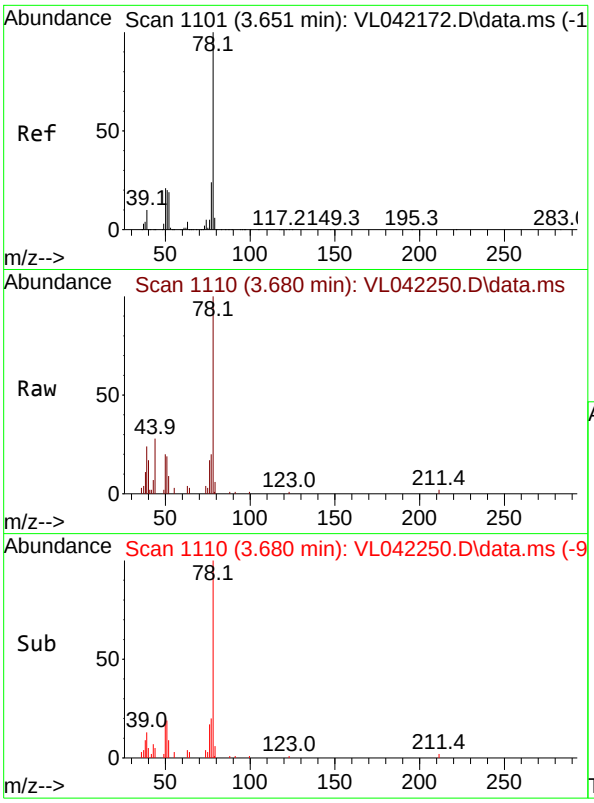


#34
2-Butanone
Concen: 5.479 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 43 Resp: 204814

Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.2	27.2



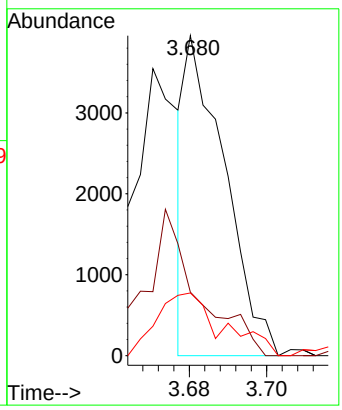


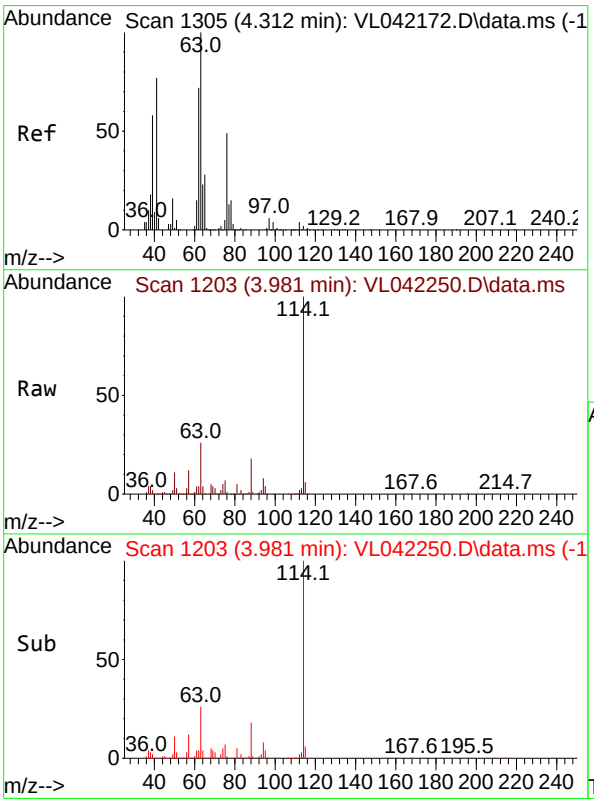
#36
Benzene
Concen: 0.055 ppbv
RT: 3.680 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 78 Resp: 2795

Ion	Ratio	Lower	Upper
78	100		
77	19.9	19.1	28.7
50	19.6	16.6	24.8

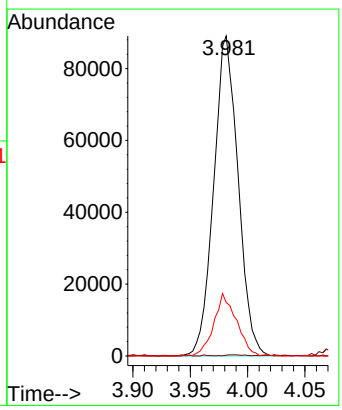


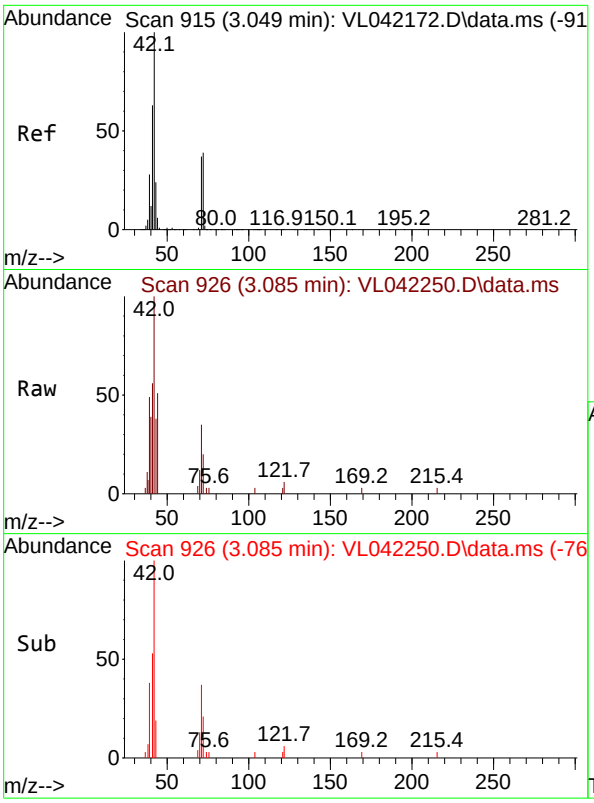


#39
1,2-Dichloropropane
Concen: 7.075 ppbv
RT: 3.981 min Scan# 1203
Delta R.T. -0.330 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 63 Resp: 131688

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.7	92.5#
62	16.7	57.6	86.4#



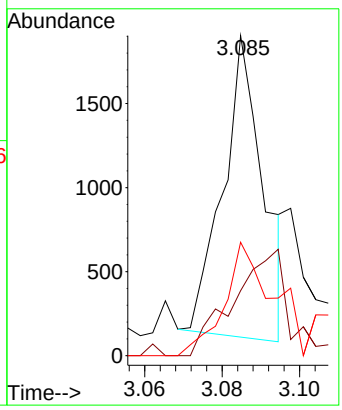


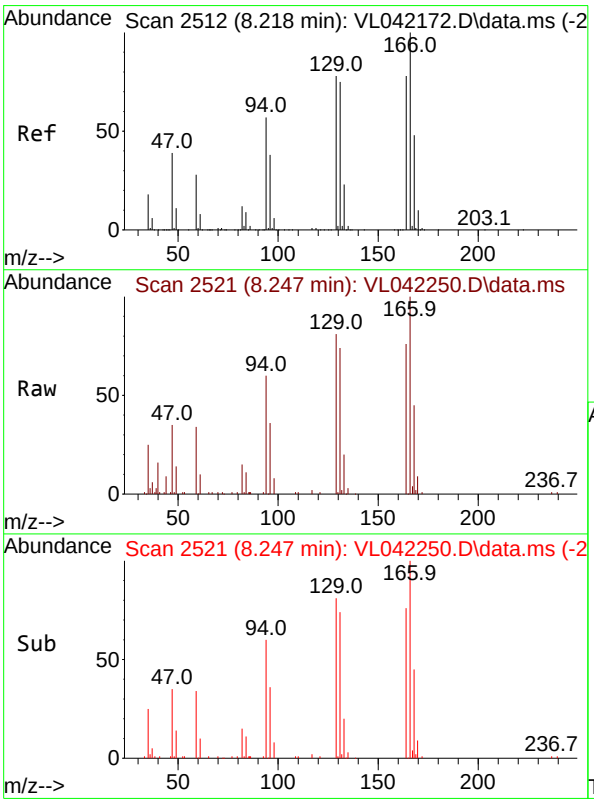
#41
Tetrahydrofuran
Concen: 0.060 ppbv
RT: 3.085 min Scan# 9
Delta R.T. 0.035 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 42 Resp: 1288

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.0#
71	54.3	30.2	45.4#

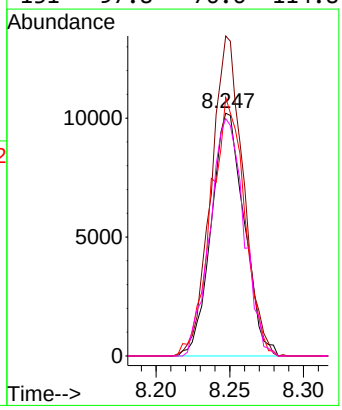


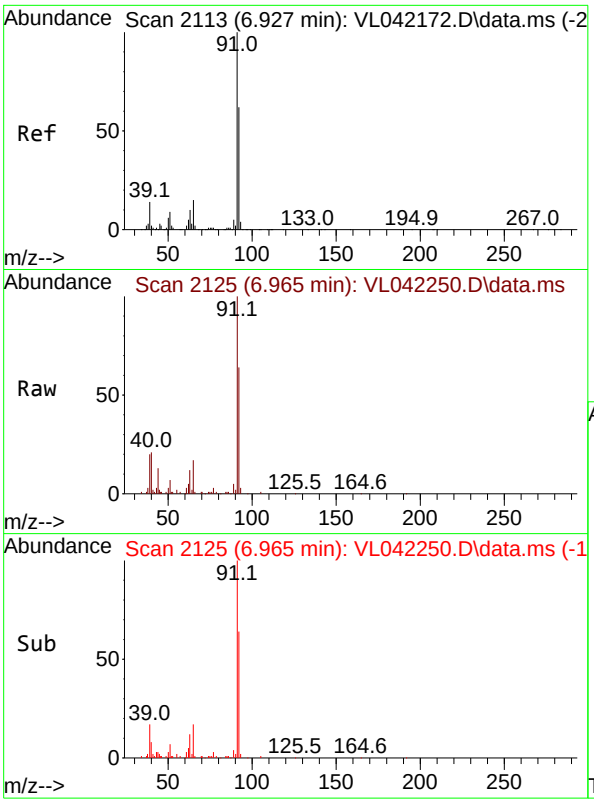


#52
Tetrachloroethene
Concen: 0.784 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:164 Resp: 15893

Ion	Ratio	Lower	Upper
164	100		
166	131.8	102.5	153.7
129	106.5	79.8	119.8
131	97.8	76.6	114.8



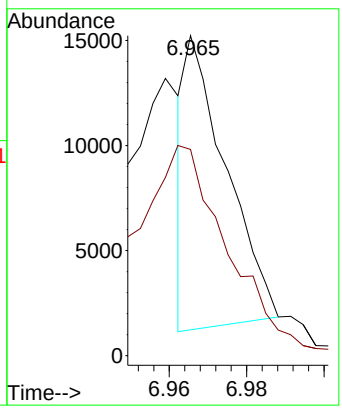


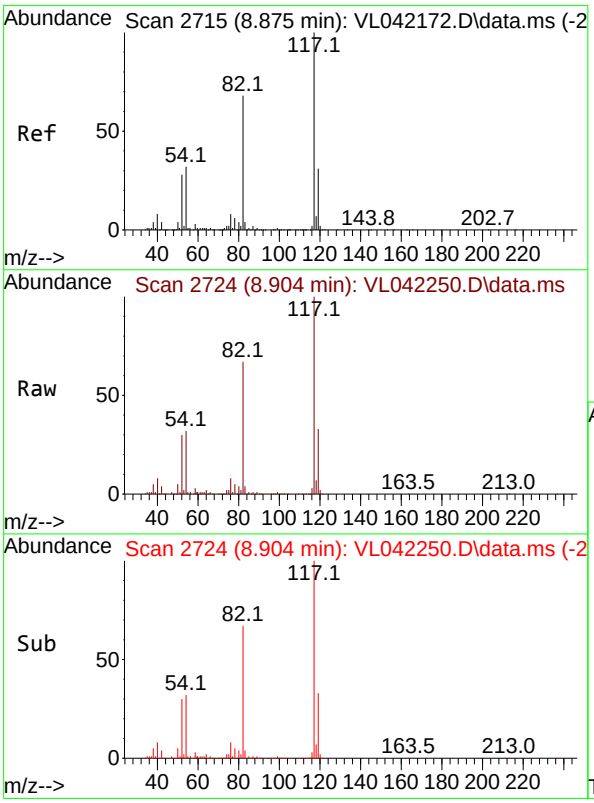
#53
Toluene
Concen: 0.169 ppbv
RT: 6.965 min Scan# 21
Delta R.T. 0.039 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 91 Resp: 10220

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#

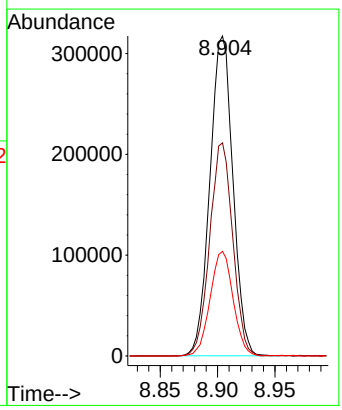


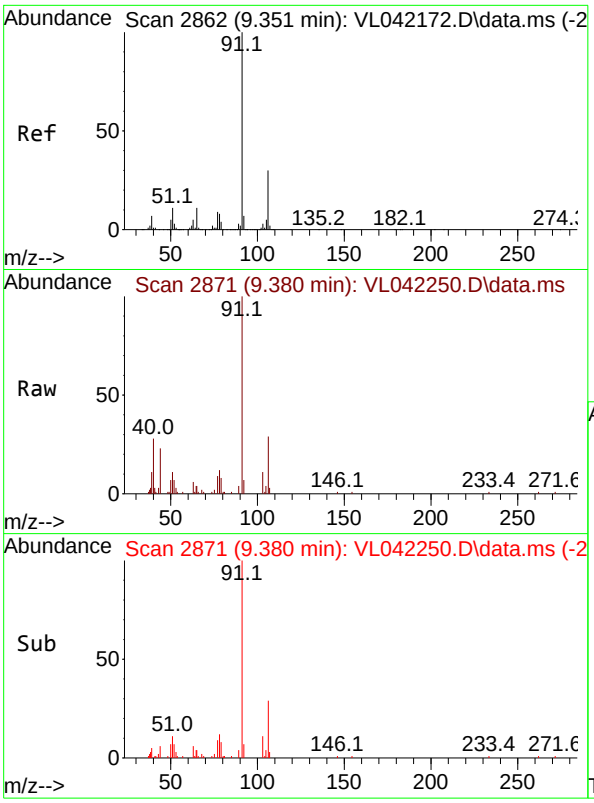


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:117 Resp: 442488

Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	32.9	25.5	38.3



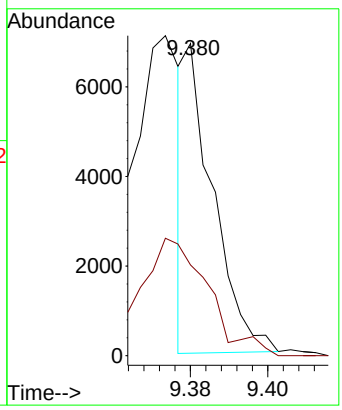


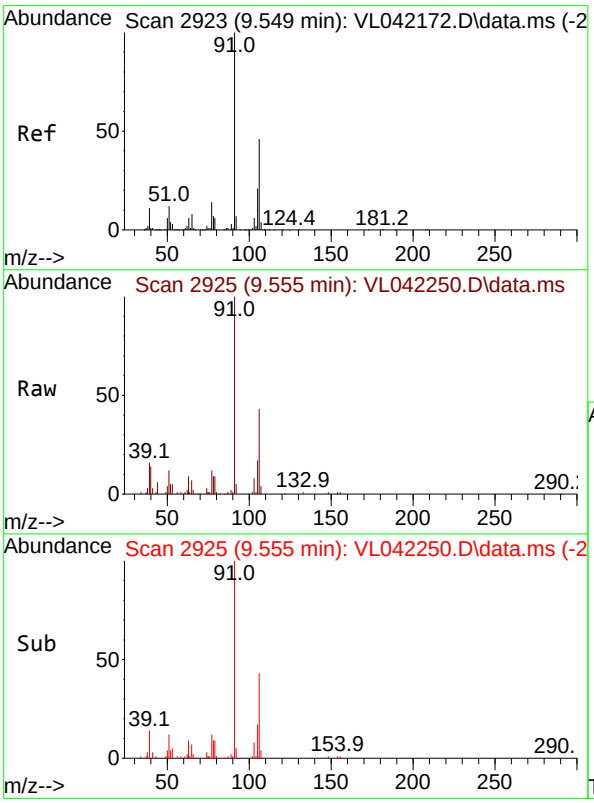
#58
Ethyl Benzene
Concen: 0.044 ppbv
RT: 9.380 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 91 Resp: 3497

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.2	36.2

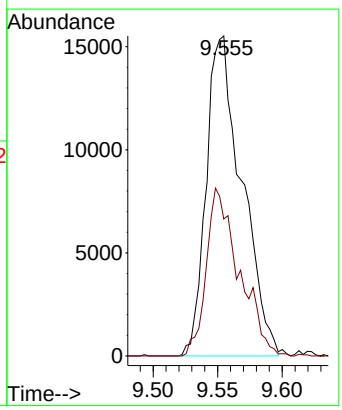


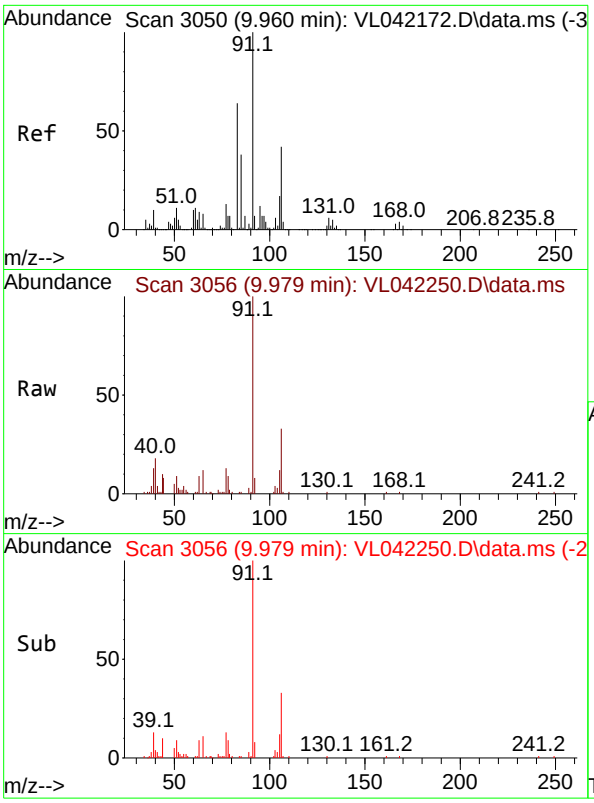


#59
m/p-Xylene
Concen: 0.475 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. 0.006 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 91 Resp: 29838

Ion	Ratio	Lower	Upper
91	100		
106	48.5	36.4	54.6



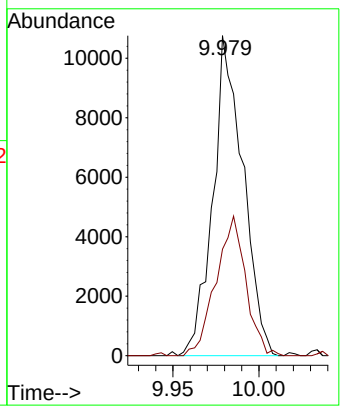


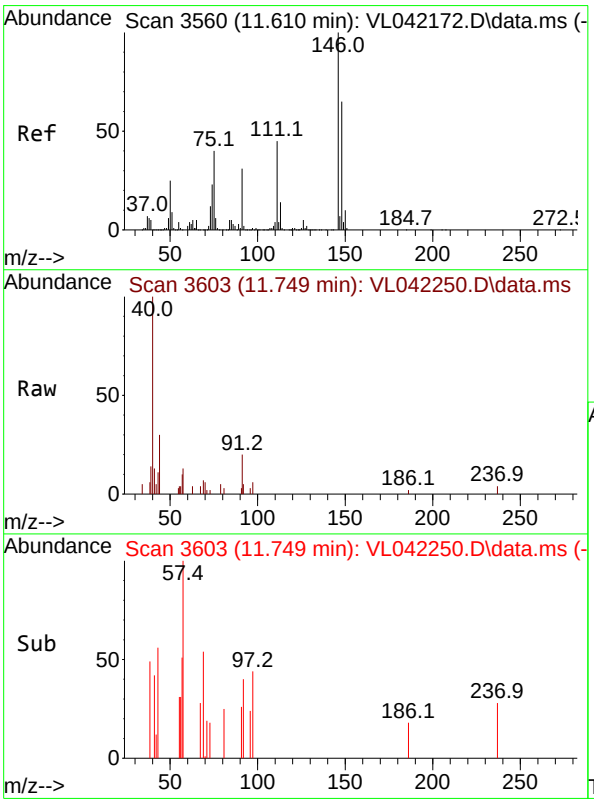
#60
o-Xylene
Concen: 0.208 ppbv
RT: 9.979 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 91 Resp: 13109

Ion	Ratio	Lower	Upper
91	100		
106	43.1	20.8	62.5

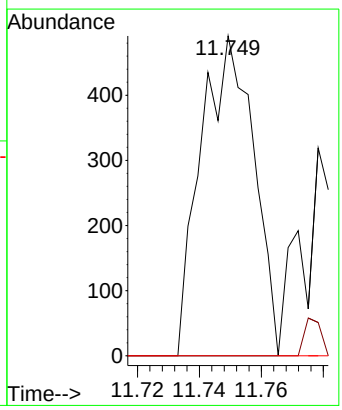


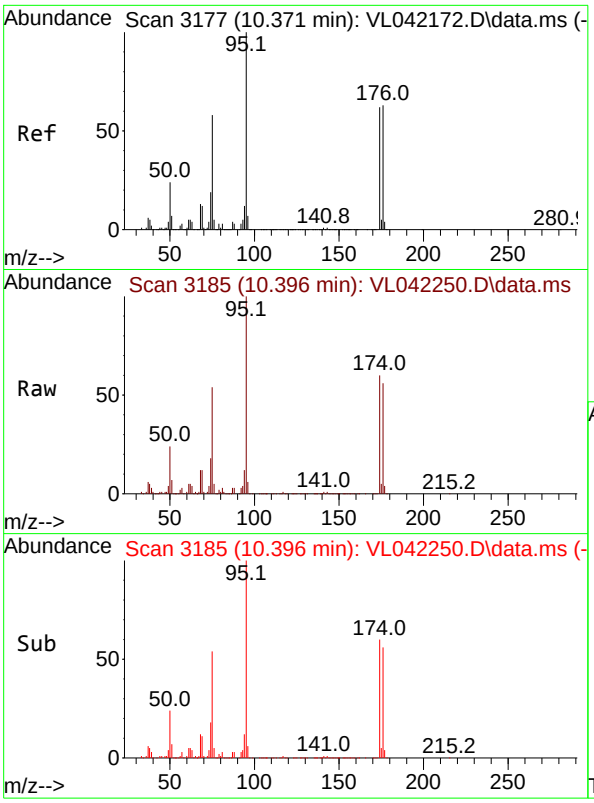


#66
Benzyl Chloride
Concen: 0.063 ppbv
RT: 11.749 min Scan# 3603
Delta R.T. 0.139 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion: 91 Resp: 580

Ion	Ratio	Lower	Upper
91	100		
126	18.4	13.8	20.6
128	0.0	4.5	6.7#



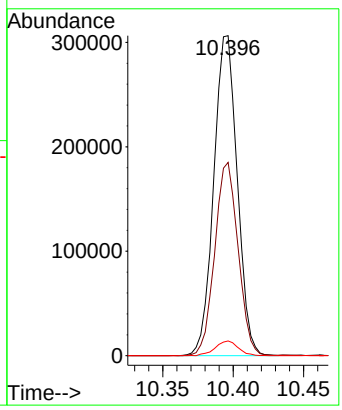


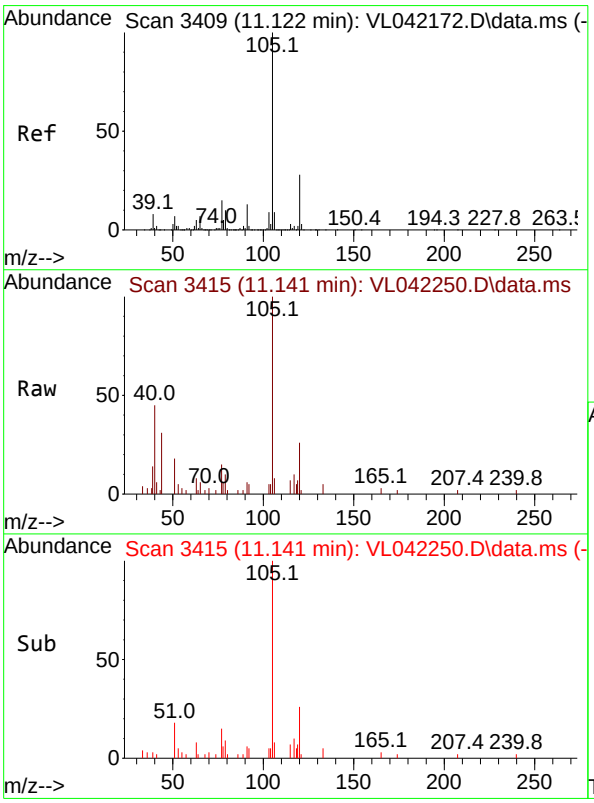
#68
1-Bromo-4-Fluorobenzene
Concen: 9.791 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion: 95 Resp: 355772

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.5	3.8	5.6

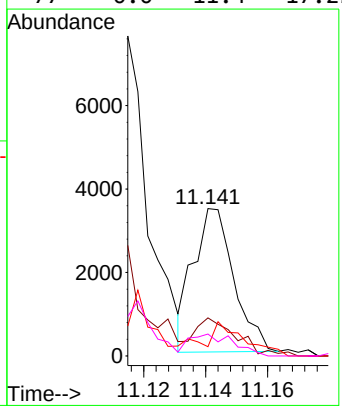


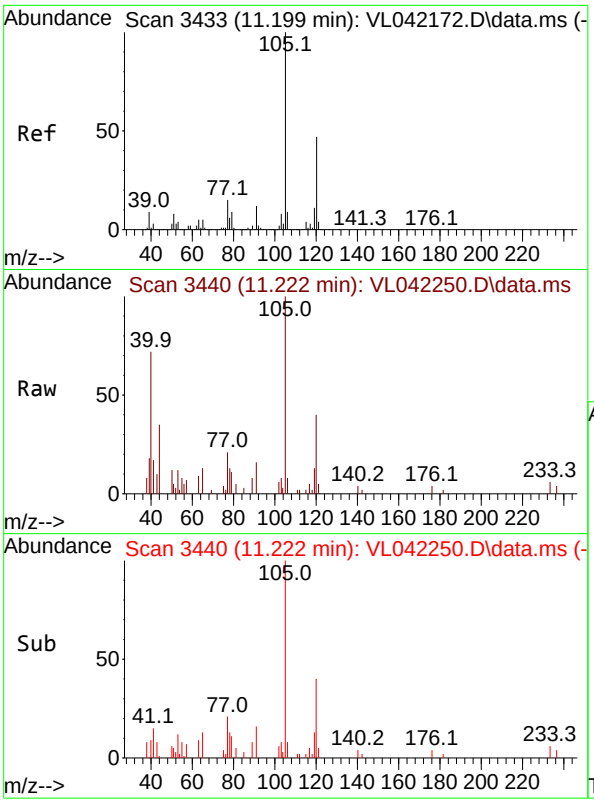


#72
4-Ethyltoluene
Concen: 0.040 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:105 Resp: 3131

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	17.8	10.3	15.5#
77	0.0	11.4	17.2#



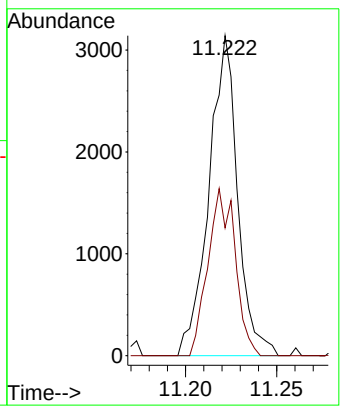


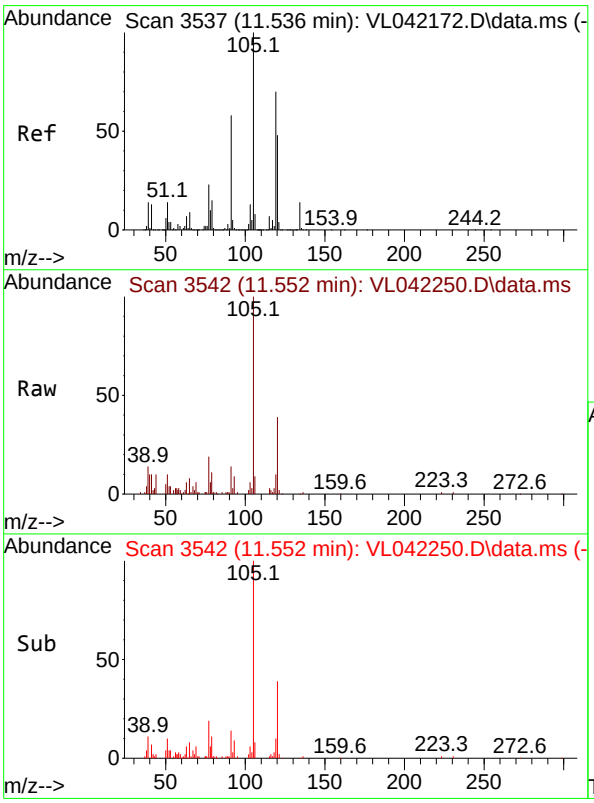
#73
1,3,5-Trimethylbenzene
Concen: 0.050 ppbv
RT: 11.222 min Scan# 34
Delta R.T. 0.022 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025

Tgt Ion:105 Resp: 3445

Ion	Ratio	Lower	Upper
105	100		
120	40.0	37.4	56.0

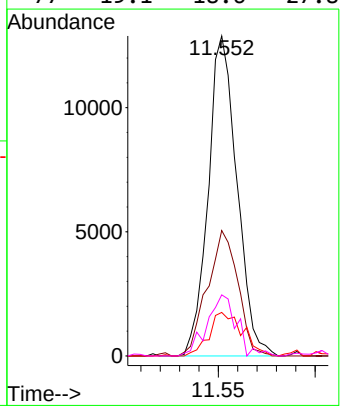




#74
1,2,4-Trimethylbenzene
Concen: 0.169 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.016 min
Lab File: VL042250.D
Acq: 08 Apr 2025 01:17

Tgt Ion:105 Resp: 13306

Ion	Ratio	Lower	Upper
105	100		
120	39.2	38.6	58.0
91	13.6	46.2	69.2#
77	19.1	18.6	27.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042251.D
Acq On : 08 Apr 2025 01:48
Operator : SY/MD
Sample : Q1725-08DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Quant Time: Apr 08 04:49:19 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	2.803	49	194708	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.985	114	494678	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.907	117	424907	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	324876	9.310	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.100%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	1.473	51	1146	0.039	ppbv #	78
9) Propene	1.496	41	2943	0.219	ppbv	100
13) Ethanol	1.732	45	119090	93.585	ppbv	81
15) Acetone	1.845	43	109482	4.020	ppbv	96
16) 1,3-Butadiene	1.612	39	911	0.069	ppbv #	31
17) tert-Butyl alcohol	2.056	59	1323	0.039	ppbv #	76
19) Isopropyl Alcohol	1.897	45	196635	12.798	ppbv #	33
20) Methylene Chloride	2.072	84	1654	0.163	ppbv #	92
23) Vinyl Acetate	2.470	43	2030	0.172	ppbv #	81
29) Chloroform	2.861	83	1252	0.031	ppbv #	78
34) 2-Butanone	2.577	43	18789	0.524	ppbv	94
39) 1,2-Dichloropropane	3.988	63	125598	7.032	ppbv #	22
52) Tetrachloroethene	8.250	164	1122	0.058	ppbv	90

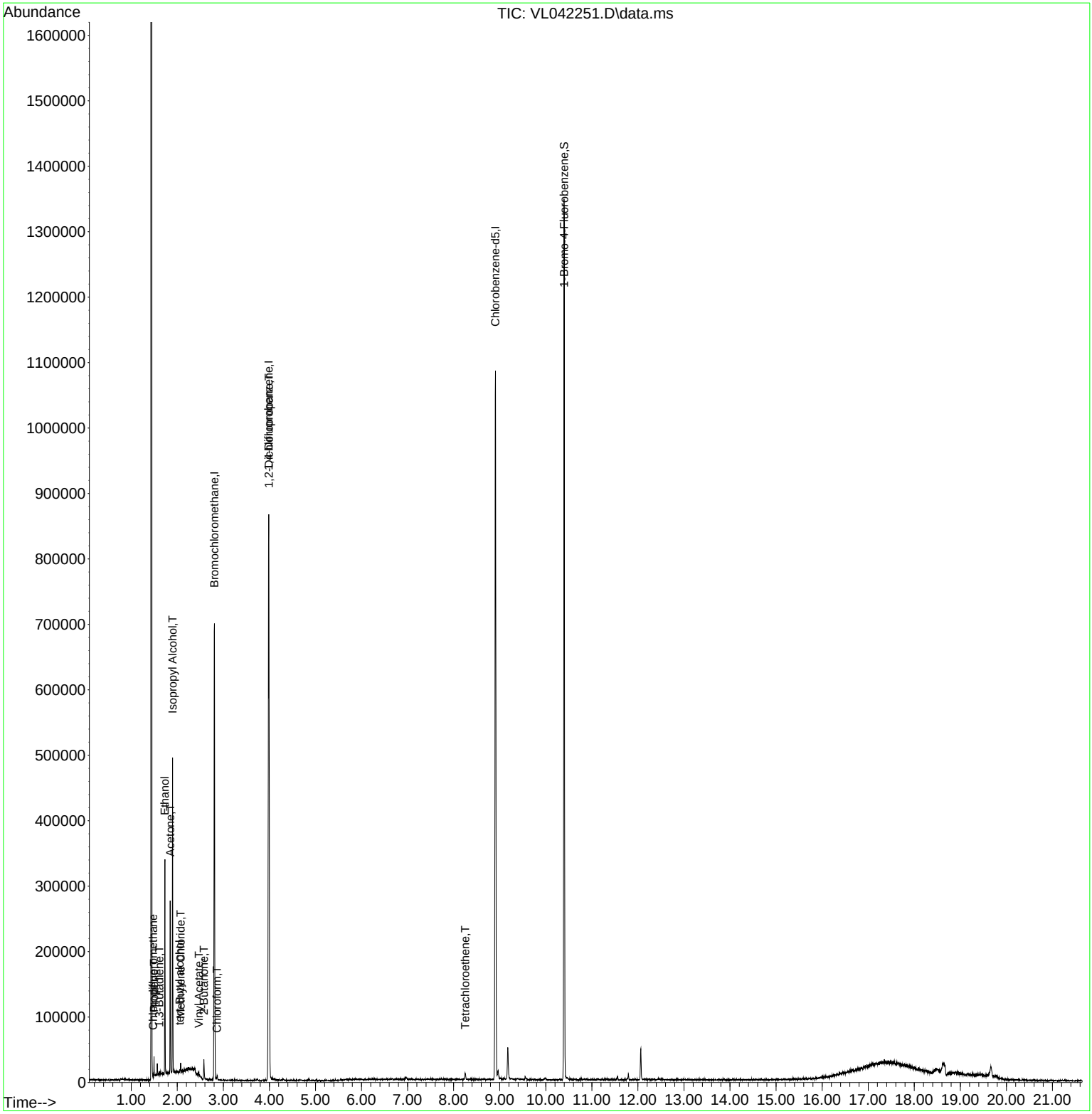
(#) = qualifier out of range (m) = manual integration (+) = signals summed

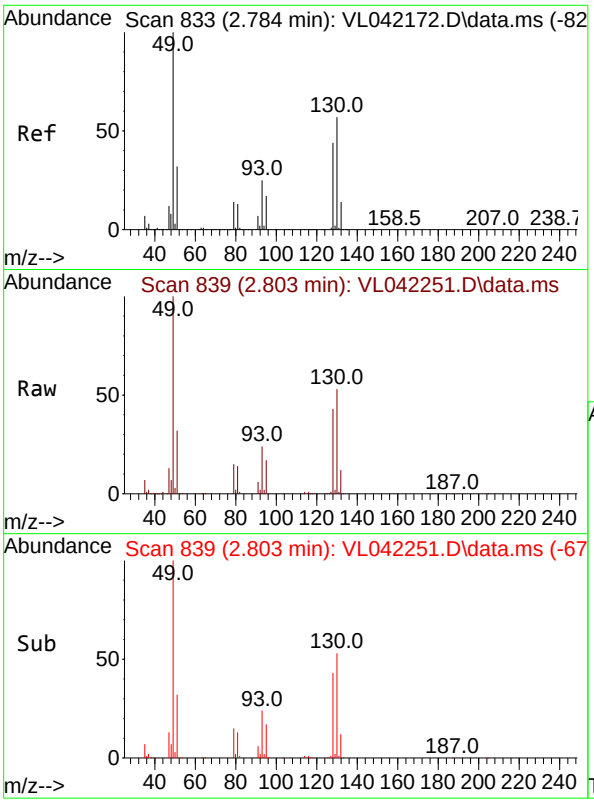
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040725\
Data File : VL042251.D
Acq On : 08 Apr 2025 01:48
Operator : SY/MD
Sample : Q1725-08DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Quant Time: Apr 08 04:49:19 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



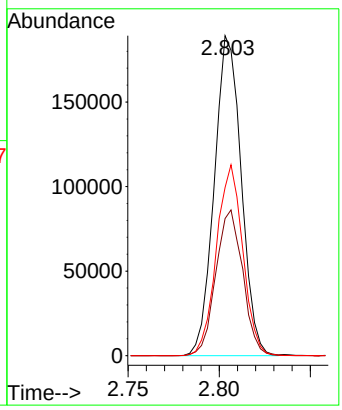


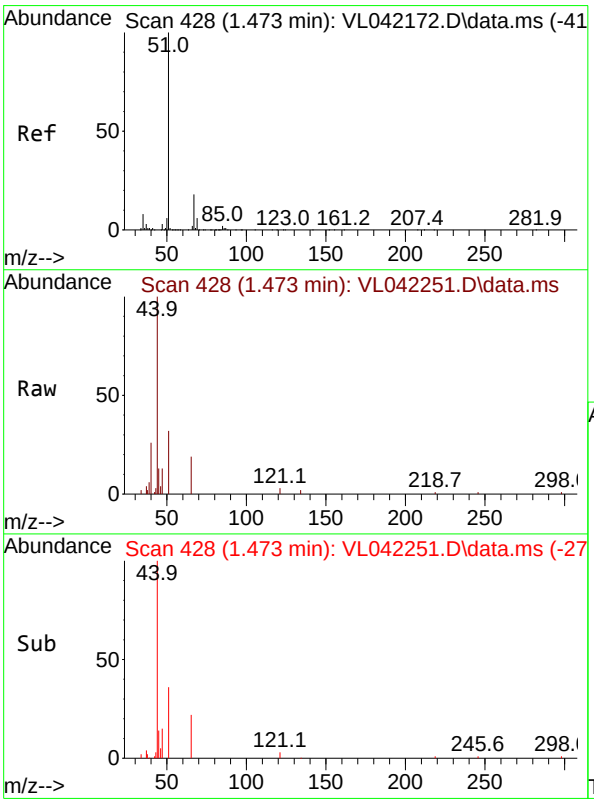
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 49 Resp: 194708

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.9	68.5
130	58.3	28.8	86.4

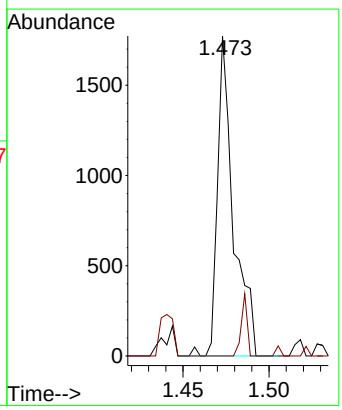


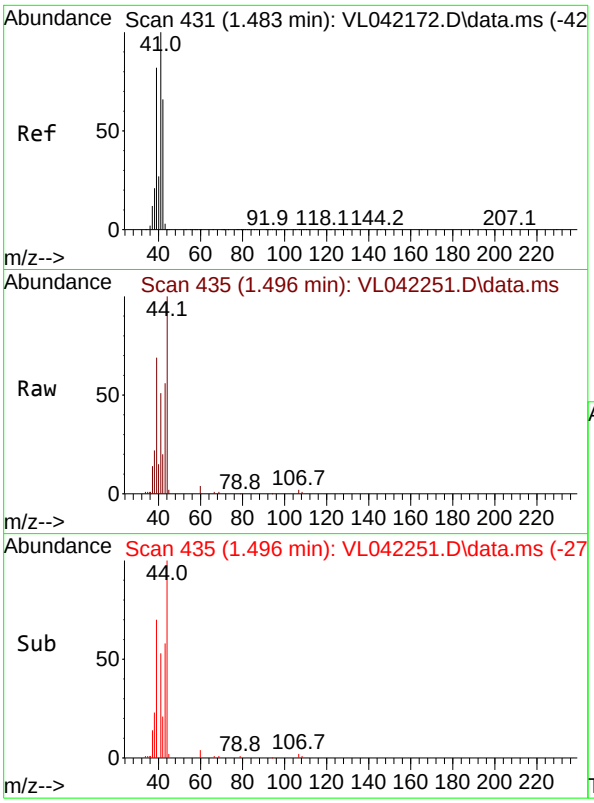


#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 51 Resp: 1146

Ion	Ratio	Lower	Upper
51	100		
67	8.9	15.0	22.6#



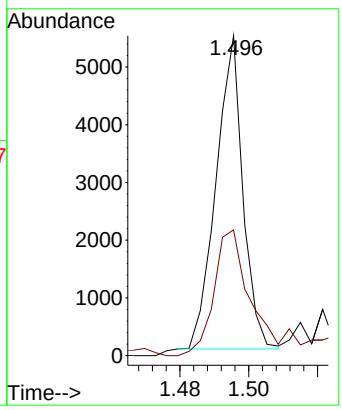


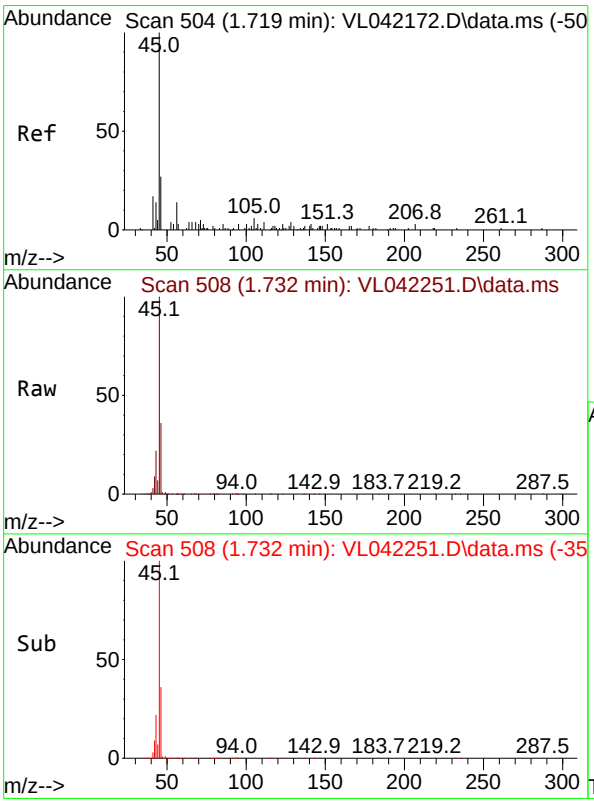
#9
Propene
Concen: 0.219 ppbv
RT: 1.496 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 41 Resp: 2943

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.4	83.2

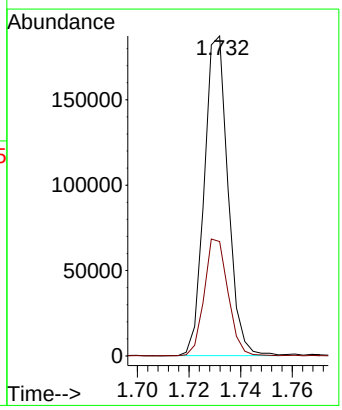


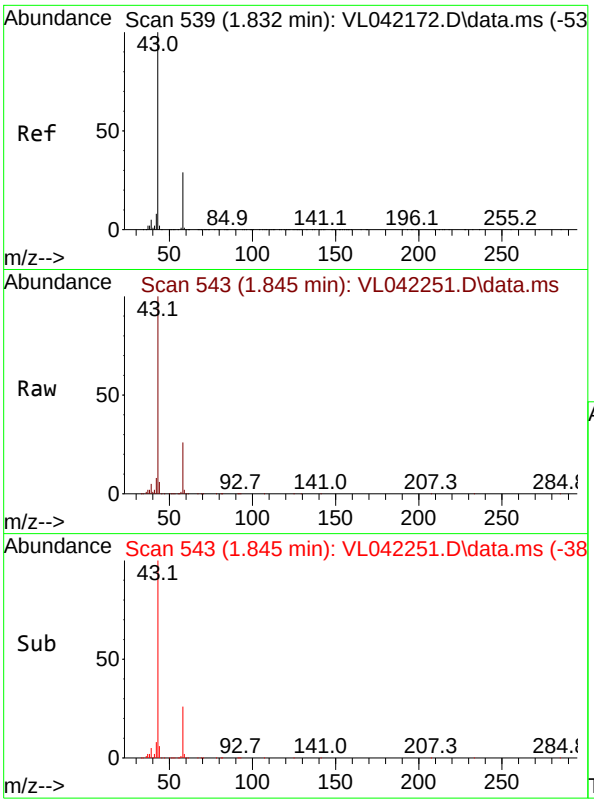


#13
Ethanol
Concen: 93.585 ppbv
RT: 1.732 min Scan# 508
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 45 Resp: 119090

Ion	Ratio	Lower	Upper
45	100		
46	37.3	20.2	80.8



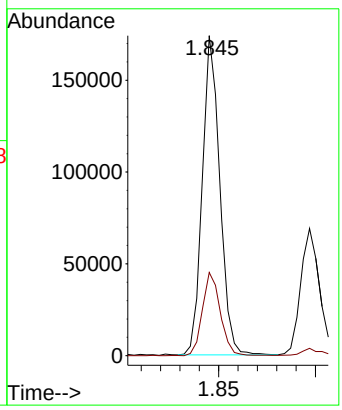


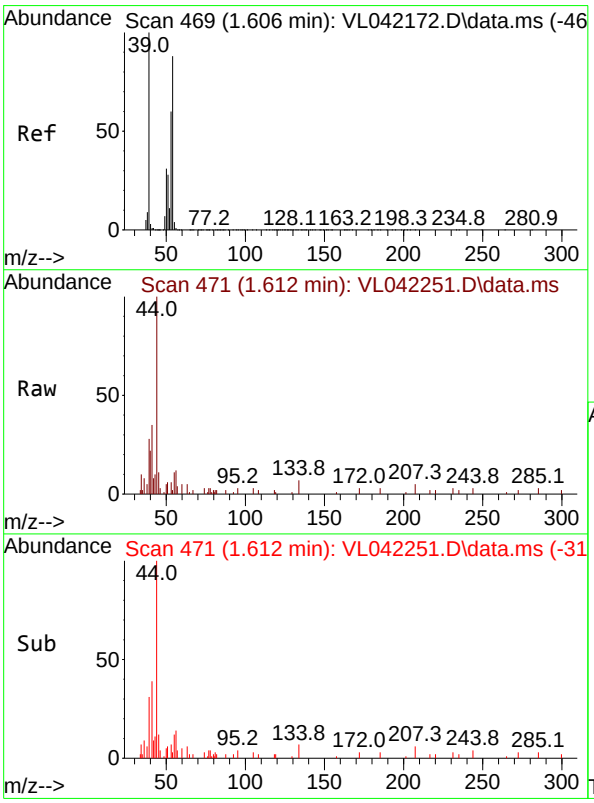
#15
Acetone
Concen: 4.020 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 43 Resp: 109482

Ion	Ratio	Lower	Upper
43	100		
58	26.8	23.2	34.8

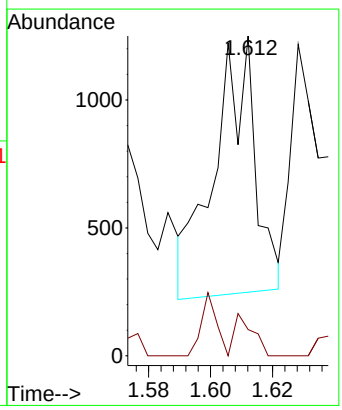


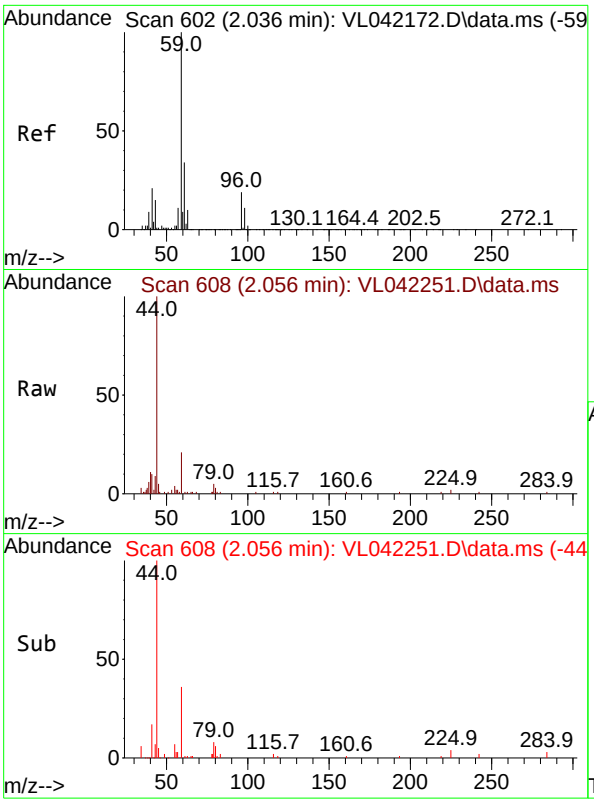


#16
1,3-Butadiene
Concen: 0.069 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 39 Resp: 911

Ion	Ratio	Lower	Upper
39	100		
54	16.7	60.7	91.1#



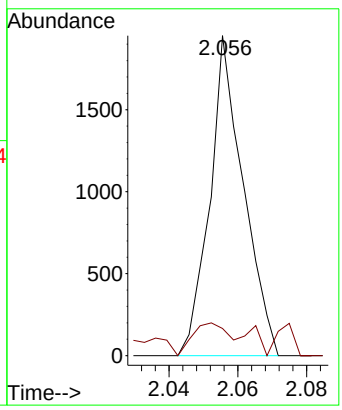


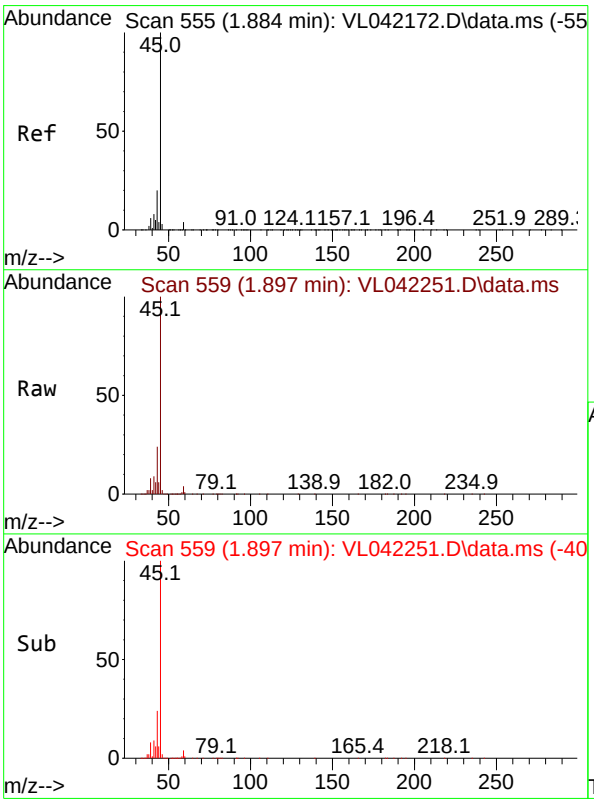
#17
tert-Butyl alcohol
Concen: 0.039 ppbv
RT: 2.056 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 59 Resp: 1323

Ion	Ratio	Lower	Upper
59	100		
57	20.4	8.9	13.3#

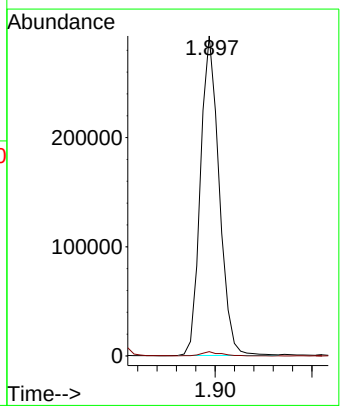


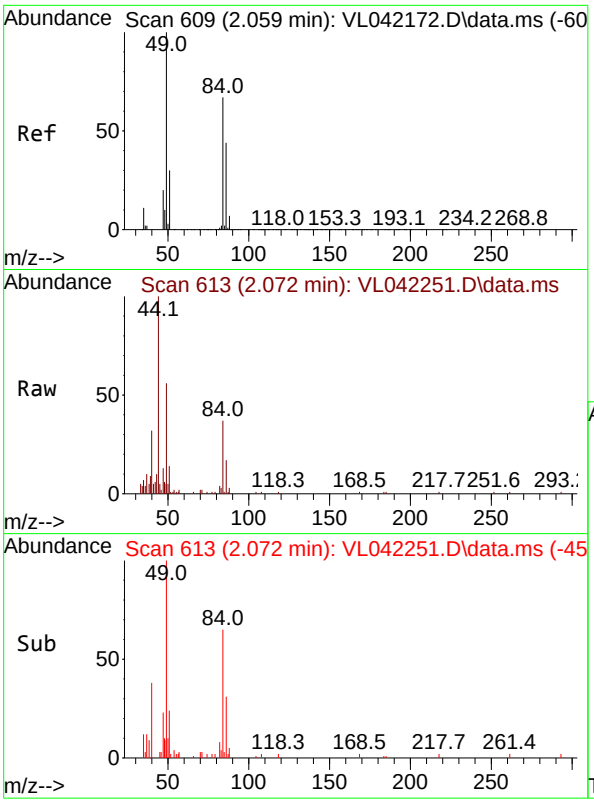


#19
Isopropyl Alcohol
Concen: 12.798 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 45 Resp: 196635

Ion	Ratio	Lower	Upper
45	100		
58	1.5	36.9	55.3#



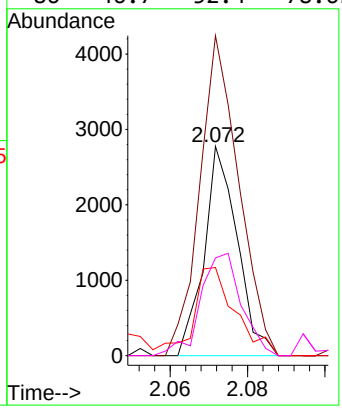


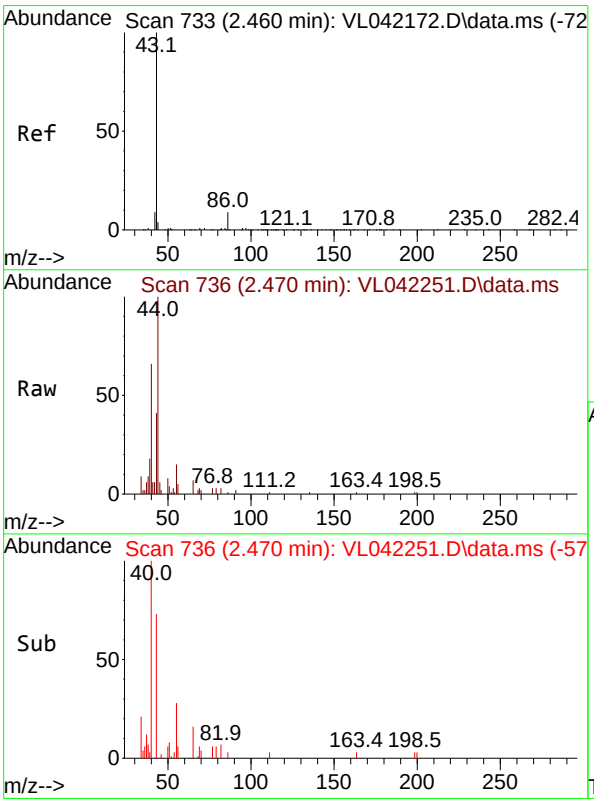
#20
Methylene Chloride
Concen: 0.163 ppbv
RT: 2.072 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 84 Resp: 1654

Ion	Ratio	Lower	Upper
84	100		
49	152.9	120.2	180.4
51	42.1	37.4	56.0
86	46.7	52.4	78.6#

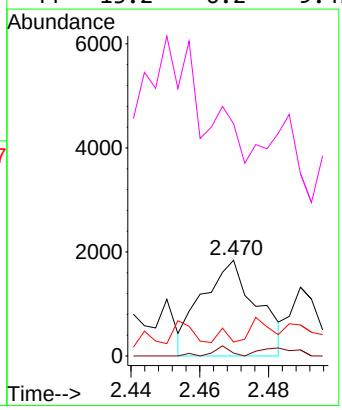


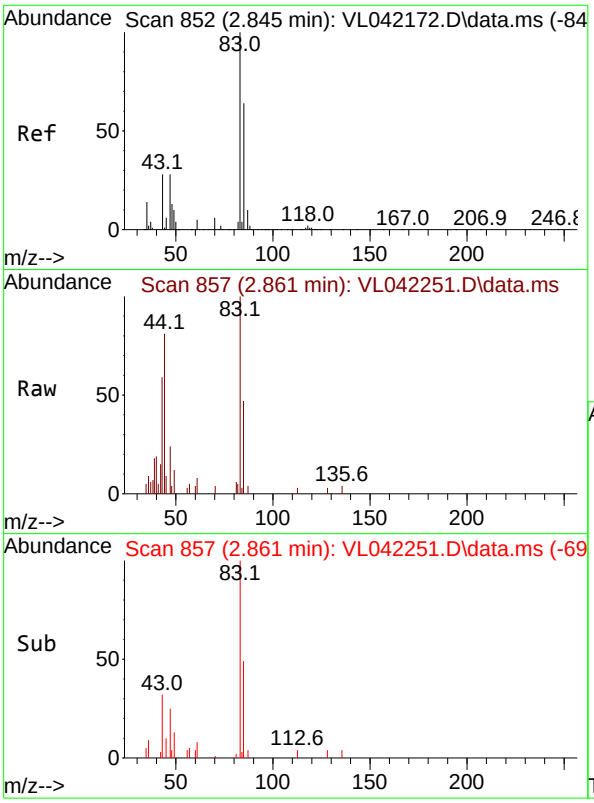


#23
Vinyl Acetate
Concen: 0.172 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.010 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 43 Resp: 2030

Ion	Ratio	Lower	Upper
43	100		
86	4.0	5.5	8.3#
42	0.0	8.6	13.0#
44	13.2	6.2	9.4#



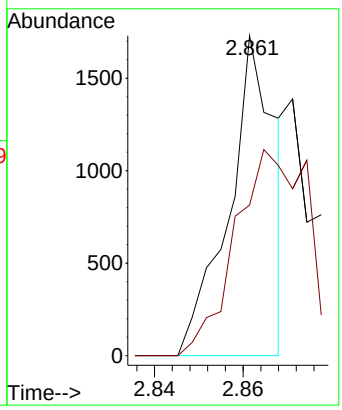


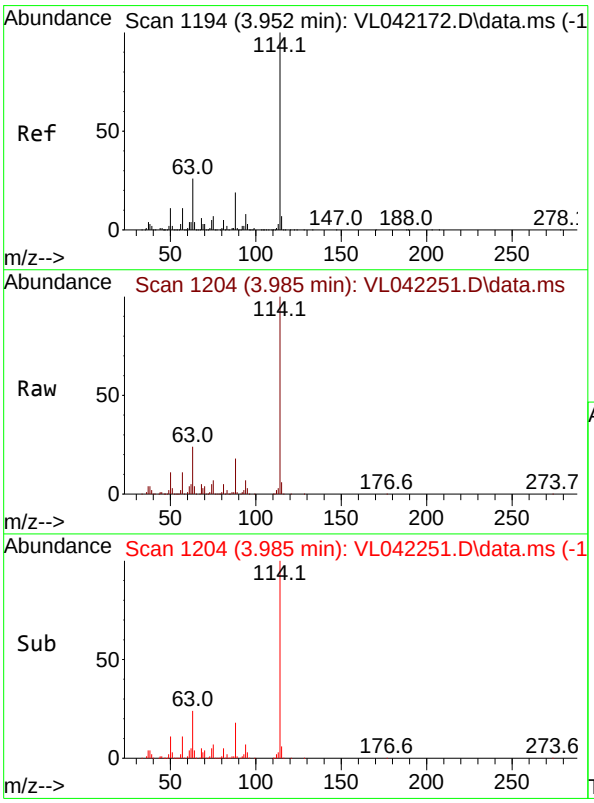
#29
Chloroform
Concen: 0.031 ppbv
RT: 2.861 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 83 Resp: 1252

Ion	Ratio	Lower	Upper
83	100		
85	47.1	51.4	77.2#

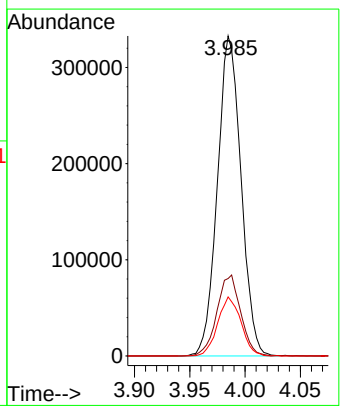


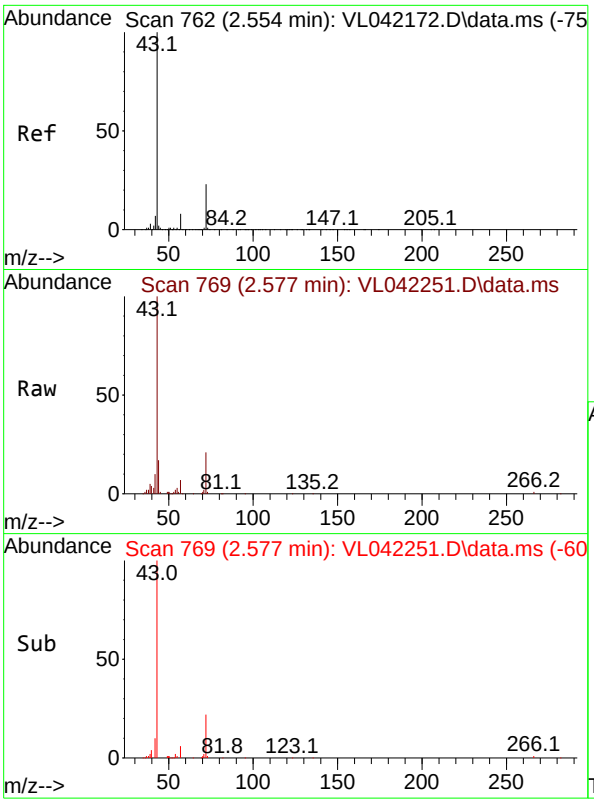


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 1204
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion:114 Resp: 494678

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.7	31.1
88	18.1	15.0	22.4



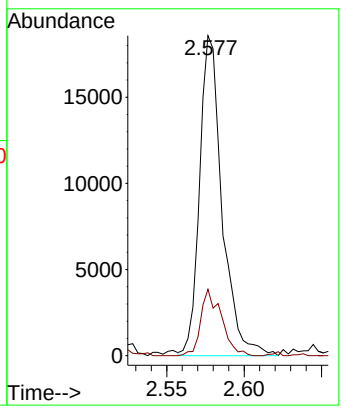


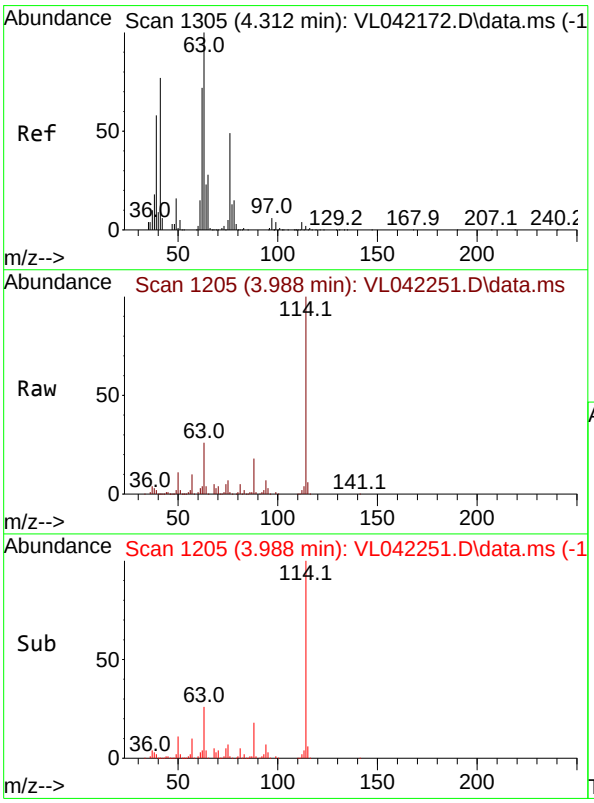
#34
2-Butanone
Concen: 0.524 ppbv
RT: 2.577 min Scan# 7
Delta R.T. 0.022 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 43 Resp: 18789

Ion	Ratio	Lower	Upper
43	100		
72	19.6	18.2	27.2

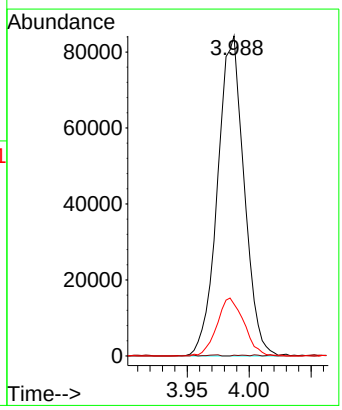


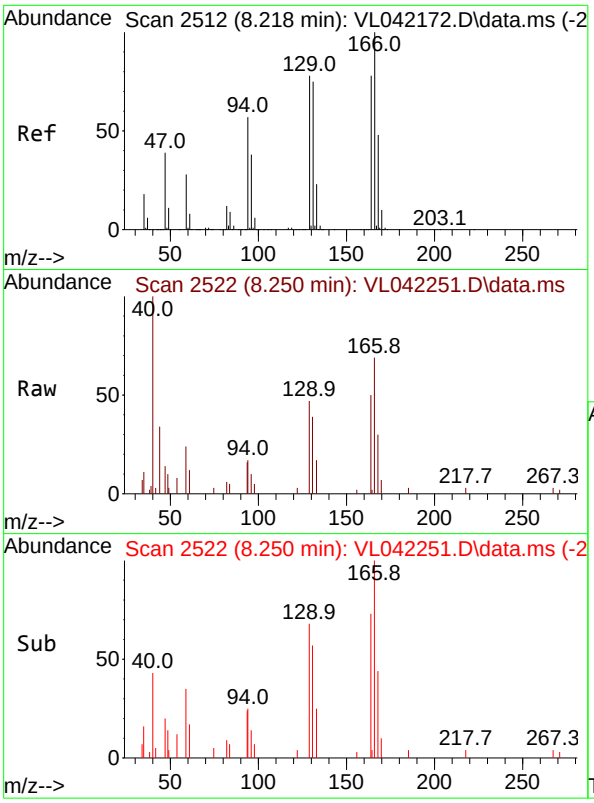


#39
1,2-Dichloropropane
Concen: 7.032 ppbv
RT: 3.988 min Scan# 1205
Delta R.T. -0.324 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion: 63 Resp: 125598

Ion	Ratio	Lower	Upper
63	100		
41	0.2	61.7	92.5#
62	16.2	57.6	86.4#



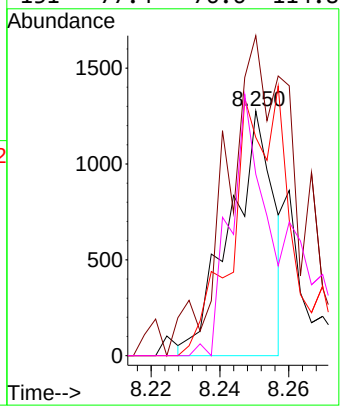


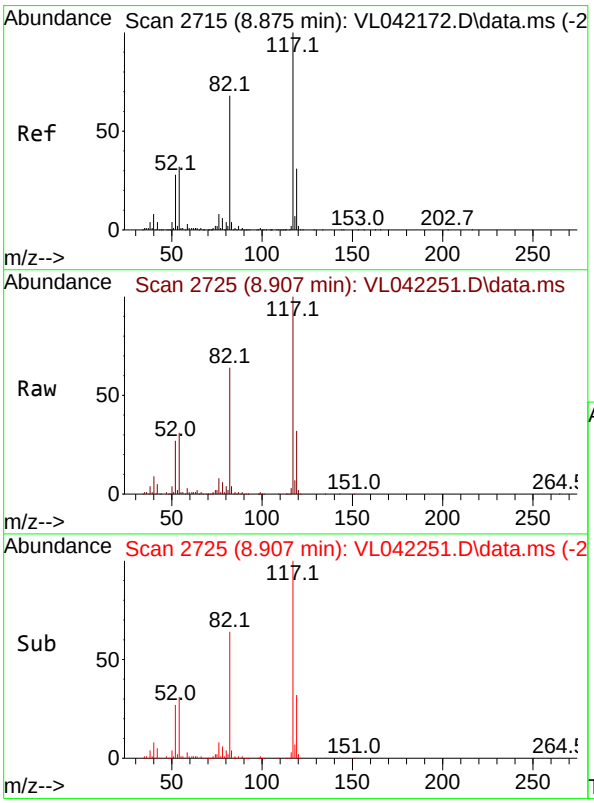
#52
Tetrachloroethene
Concen: 0.058 ppbv
RT: 8.250 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion:164 Resp: 1122

Ion	Ratio	Lower	Upper
164	100		
166	120.3	102.5	153.7
129	93.0	79.8	119.8
131	77.4	76.6	114.8

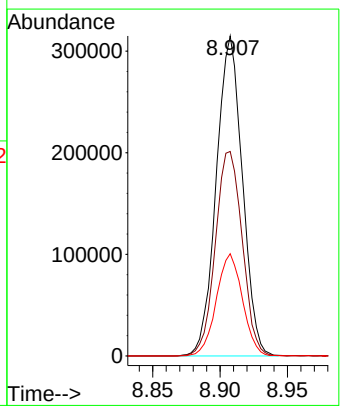


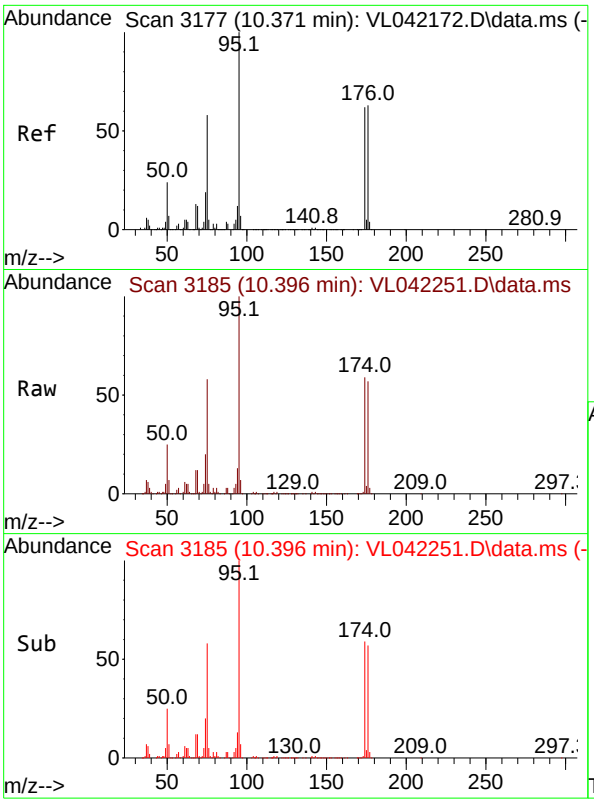


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. 0.032 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Tgt Ion:117 Resp: 424907

Ion	Ratio	Lower	Upper
117	100		
82	65.9	55.8	83.6
119	32.0	25.5	38.3



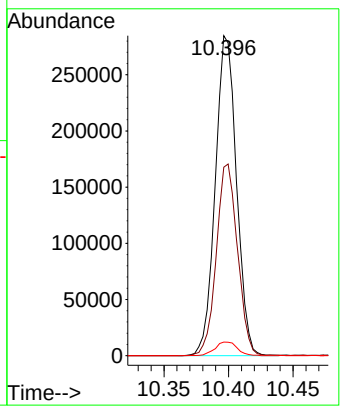


#68
1-Bromo-4-Fluorobenzene
Concen: 9.310 ppbv
RT: 10.396 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042251.D
Acq: 08 Apr 2025 01:48

Instrument :
MSVOA_L
ClientSampleId :
SSSG-B10-2-03312025DL

Tgt Ion: 95 Resp: 324876

Ion	Ratio	Lower	Upper
95	100		
174	60.1	50.6	76.0
175	4.5	3.8	5.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042253.D
Acq On : 08 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 09 01:50:44 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.800	49	192748	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	496271	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	446954	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	366722	9.991	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	273431	9.608	ppbv	99
3) Chlorodifluoromethane	1.483	51	290289	9.985	ppbv	99
4) Chloromethane	1.538	50	113157	9.729	ppbv	98
5) Vinyl Chloride	1.586	62	106450	8.637	ppbv	94
6) Bromomethane	1.674	94	47897	9.087	ppbv	99
7) Chloroethane	1.712	64	43021	9.215	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	231550	9.554	ppbv	93
9) Propene	1.489	41	107995	8.104	ppbv	98
10) Heptane	5.011	43	334651	9.441	ppbv	99
11) Trichlorofluoromethane	1.884	101	263560	9.518	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	204093	8.967	ppbv	96
13) Ethanol	1.729	45	5903	4.686	ppbv	92
14) Bromoethene	1.790	108	73578	8.438	ppbv	99
15) Acetone	1.842	43	233895	8.677	ppbv	96
16) 1,3-Butadiene	1.615	39	113699	8.637	ppbv	97
17) tert-Butyl alcohol	2.049	59	264061	7.865	ppbv	98
18) 1,1-Dichloroethene	2.043	96	89526	8.414	ppbv	96
19) Isopropyl Alcohol	1.894	45	131605	8.653	ppbv	98
20) Methylene Chloride	2.072	84	78560	7.825	ppbv	96
21) Allyl Chloride	2.107	41	163305	8.590	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	106297	8.643	ppbv	98
23) Vinyl Acetate	2.476	43	96990	8.313	ppbv #	97
24) 1,1-Dichloroethane	2.421	63	214800	9.422	ppbv	98
25) Ethyl Acetate	2.852	43	678925	9.704	ppbv	99
26) Hexane	2.839	57	257513	9.529	ppbv	97
27) Carbon Disulfide	2.159	76	253909	8.762	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	135921	8.078	ppbv	97
29) Chloroform	2.861	83	407591	10.306	ppbv	98
30) Cyclohexane	3.878	84	207216	8.831	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	249595	9.098	ppbv	95
32) 1,1,1-Trichloroethane	3.386	97	403665	8.915	ppbv	97
34) 2-Butanone	2.570	43	375791	10.443	ppbv	99
35) Carbon Tetrachloride	3.784	117	423863	10.934	ppbv	99
36) Benzene	3.677	78	514967	10.467	ppbv	98
37) 1,2-Dichloroethane	3.237	62	313194	11.119	ppbv	99
38) Trichloroethene	4.574	130	205933	10.032	ppbv	96
39) 1,2-Dichloropropane	4.341	63	188150	10.501	ppbv	93
40) 1,4-Dioxane	4.613	88	89479	9.409	ppbv #	96
41) Tetrahydrofuran	3.072	42	208736	10.073	ppbv	96
42) Bromodichloromethane	4.515	83	436058	11.230	ppbv	98
43) Methyl Methacrylate	4.910	69	193449	9.288	ppbv	99
44) 2,2,4-Trimethylpentane	4.664	57	888509	10.687	ppbv	97
45) t-1,3-Dichloropropene	6.451	75	184866	8.273	ppbv	93

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042253.D
Acq On : 08 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 09 01:50:44 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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	243227	8.880	ppbv		97
47) 1,1,2-Trichloroethane	6.613	97	208553	11.011	ppbv		99
48) Dibromochloromethane	7.415	129	346117	10.783	ppbv		99
49) Bromoform	9.503	173	299582	10.395	ppbv		99
50) 4-Methyl-2-Pentanone	5.787	43	542853	9.519	ppbv		96
51) 2-Hexanone	7.464	43	433929	9.266	ppbv	#	96
52) Tetrachloroethene	8.247	164	172915	8.862	ppbv		94
53) Toluene	6.962	91	574664	9.853	ppbv		98
54) 1,2-Dibromoethane	7.681	107	281436	10.659	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.946	131	286554	11.647	ppbv		99
57) Chlorobenzene	8.943	112	483780	11.411	ppbv		97
58) Ethyl Benzene	9.377	91	831947	10.479	ppbv		99
59) m/p-Xylene	9.571	91	687151	10.839	ppbv	#	24
60) o-Xylene	9.982	91	696371	10.958	ppbv		97
61) Styrene	9.891	104	313307	9.965	ppbv		99
62) Isopropylbenzene	10.558	105	1044218	10.988	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.982	83	460968	11.938	ppbv		99
64) n-propylbenzene	11.005	120	279848	11.439	ppbv		98
65) tert-Butylbenzene	11.549	119	945232	10.755	ppbv		100
66) Benzyl Chloride	11.633	91	65203	6.992	ppbv		98
67) sec-Butylbenzene	11.785	105	1343060	10.994	ppbv		100
69) p-Isopropyltoluene	11.940	119	1144759	10.882	ppbv		100
70) n-Butylbenzene	12.296	91	1194481	11.103	ppbv		99
71) 2-Chlorotoluene	10.918	91	806572	10.935	ppbv		99
72) 4-Ethyltoluene	11.141	105	885452	11.190	ppbv		99
73) 1,3,5-Trimethylbenzene	11.222	105	765708	11.080	ppbv		99
74) 1,2,4-Trimethylbenzene	11.555	105	848667	10.660	ppbv		99
75) 1,3-Dichlorobenzene	11.626	146	505824	11.584	ppbv		99
76) 1,4-Dichlorobenzene	11.688	146	505562	11.634	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	503274	11.837	ppbv		99
78) Hexachloro-1,3-Butadiene	13.895	225	399147	9.223	ppbv		99
79) Naphthalene	13.529	128	967317	11.108	ppbv		99
80) Naphthalene,2-methyl-	14.475	142	457943	10.723	ppbv		98
81) 1,2,4-Trichlorobenzene	13.455	180	425466	10.592	ppbv		99

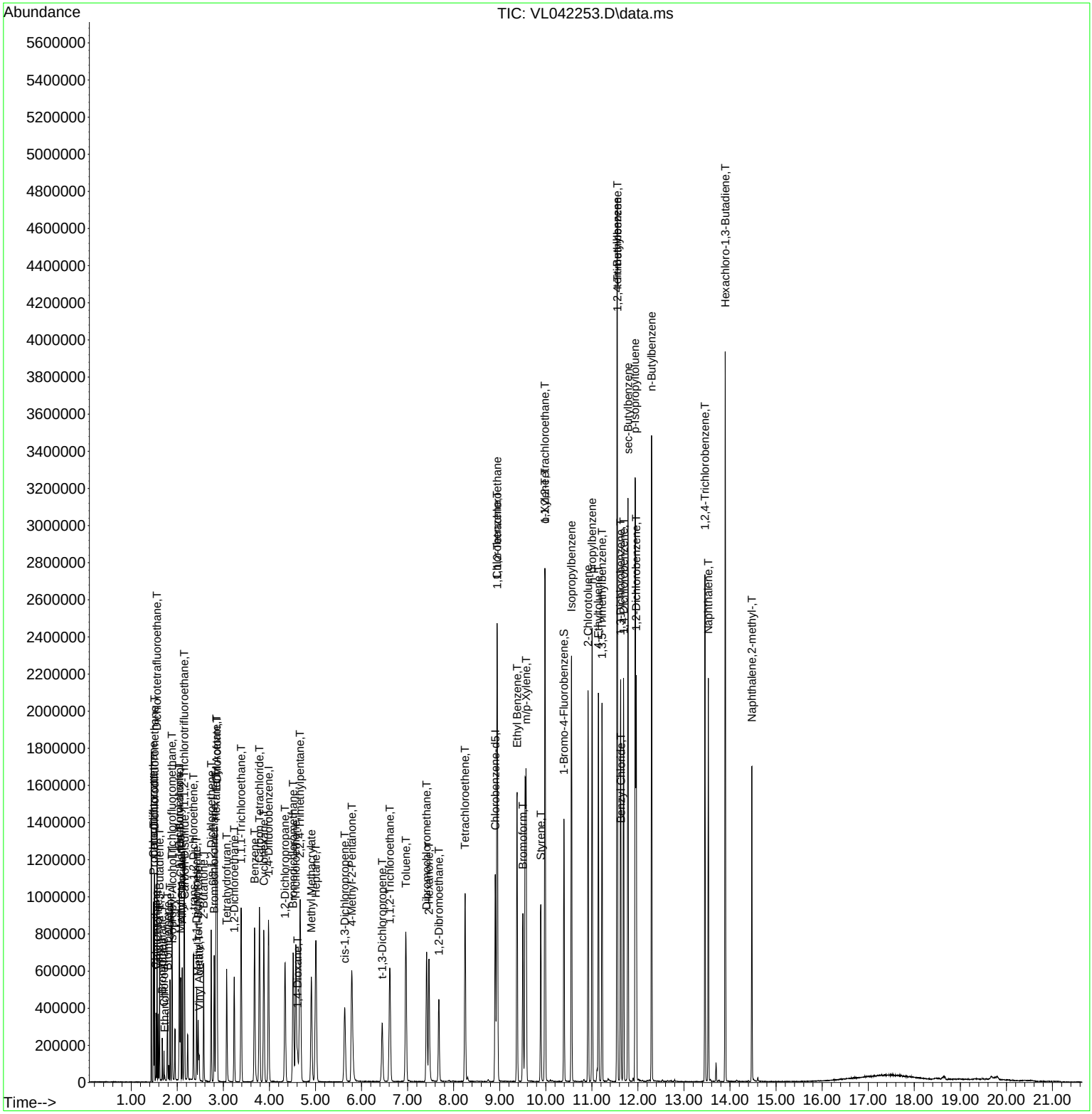
(#) = qualifier out of range (m) = manual integration (+) = signals summed

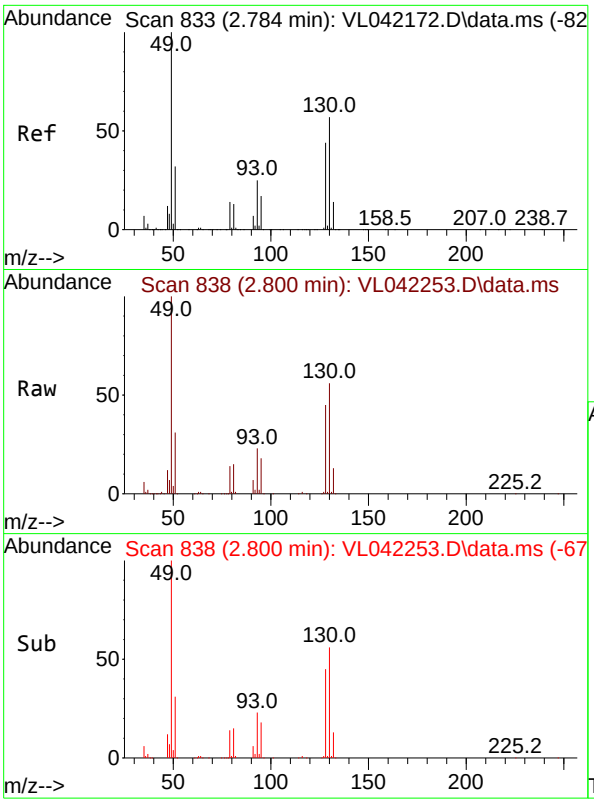
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042253.D
Acq On : 08 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 09 01:50:44 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



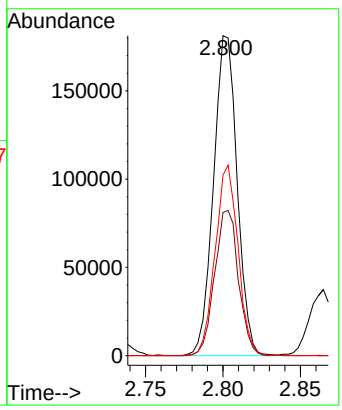


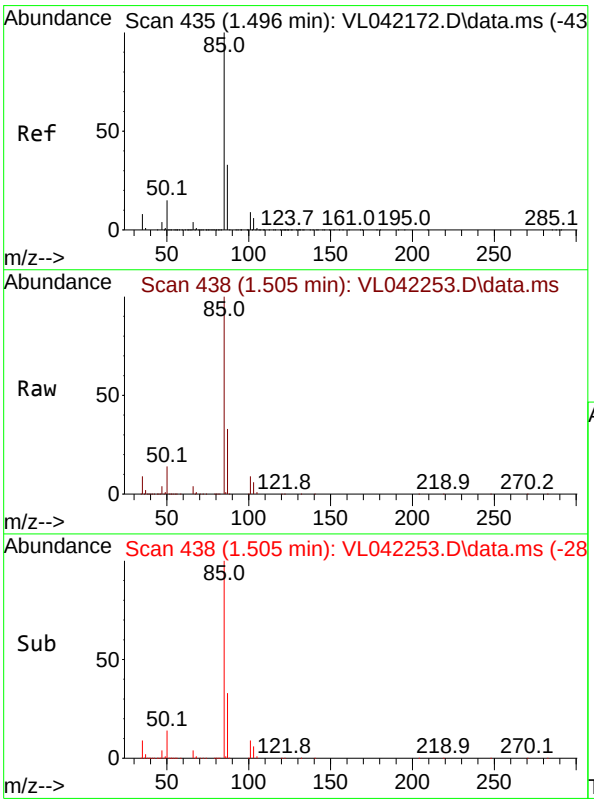
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 192748

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.9	68.5
130	57.6	28.8	86.4

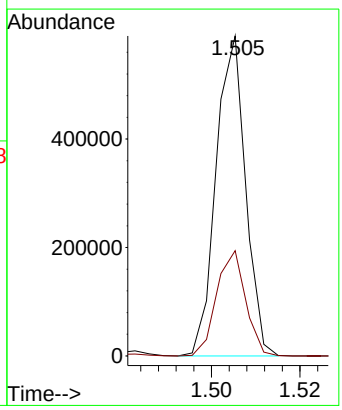


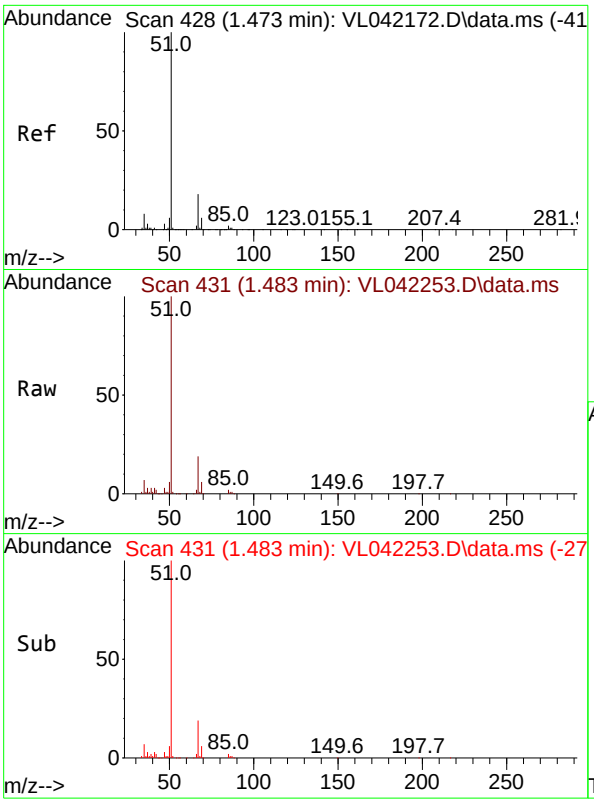


#2
Dichlorodifluoromethane
Concen: 9.608 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 85 Resp: 273431

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.1	39.1



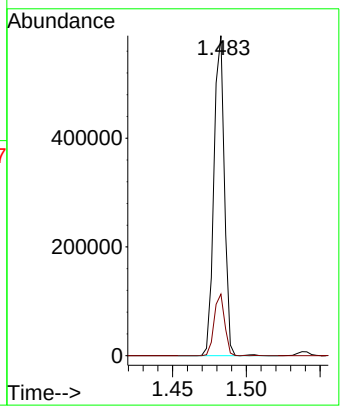


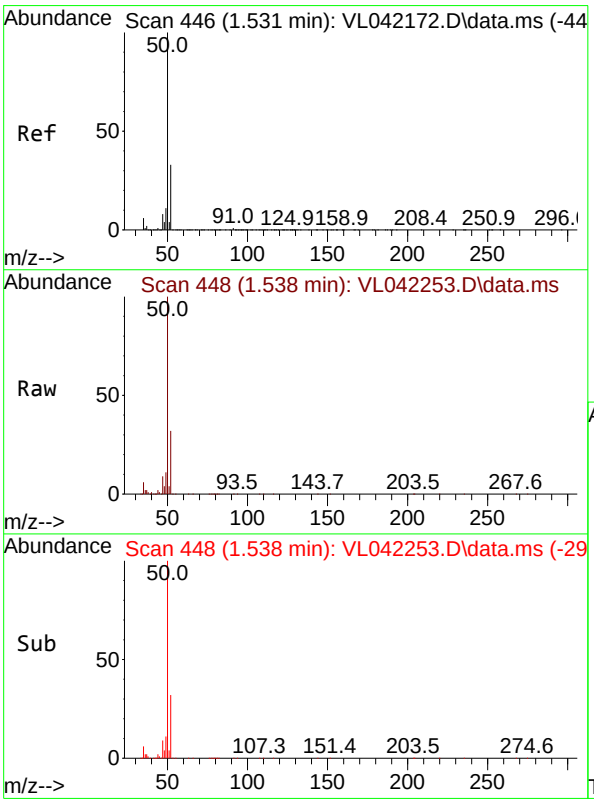
#3
Chlorodifluoromethane
Concen: 9.985 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 290289

Ion	Ratio	Lower	Upper
51	100		
67	19.4	15.0	22.6

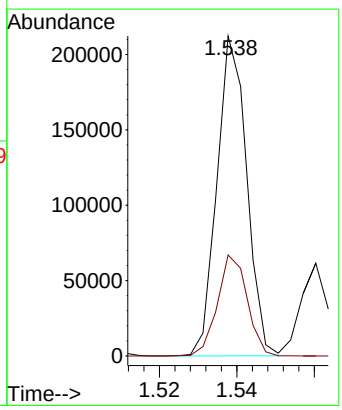


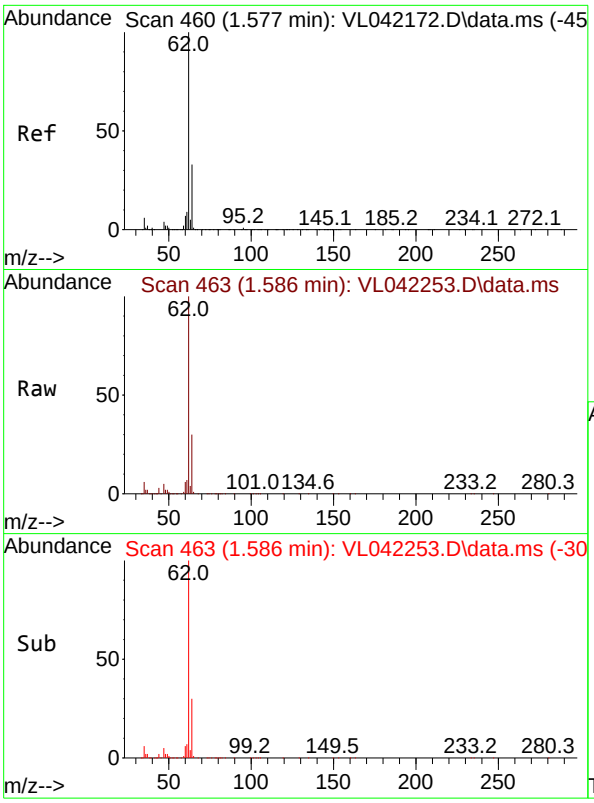


#4
Chloromethane
Concen: 9.729 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 50 Resp: 113157

Ion	Ratio	Lower	Upper
50	100		
52	31.6	26.1	39.1



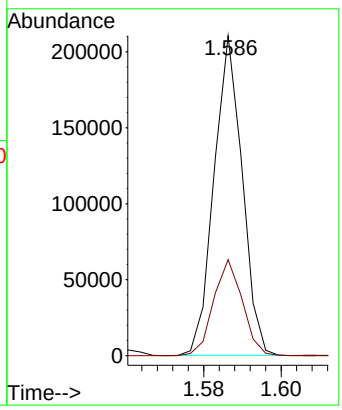


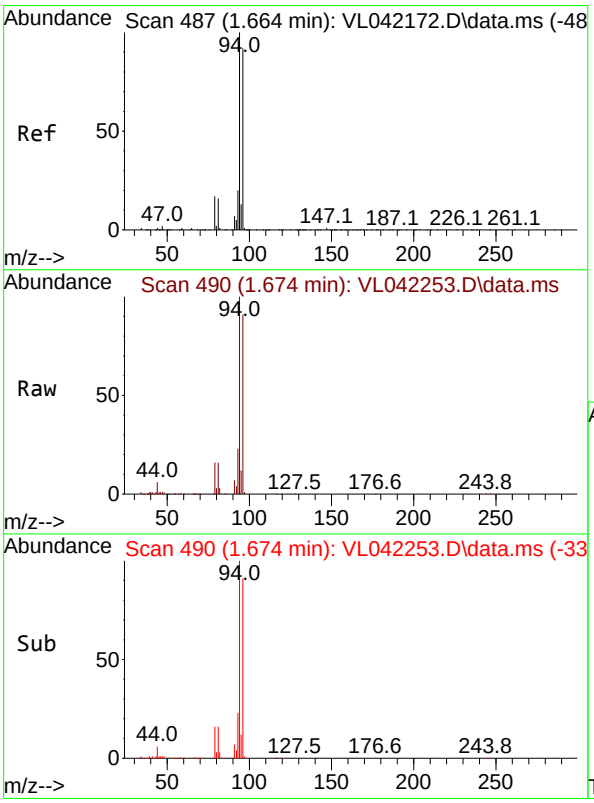
#5
Vinyl Chloride
Concen: 8.637 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 106450

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.6	40.0

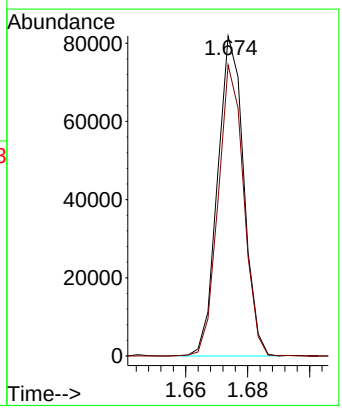


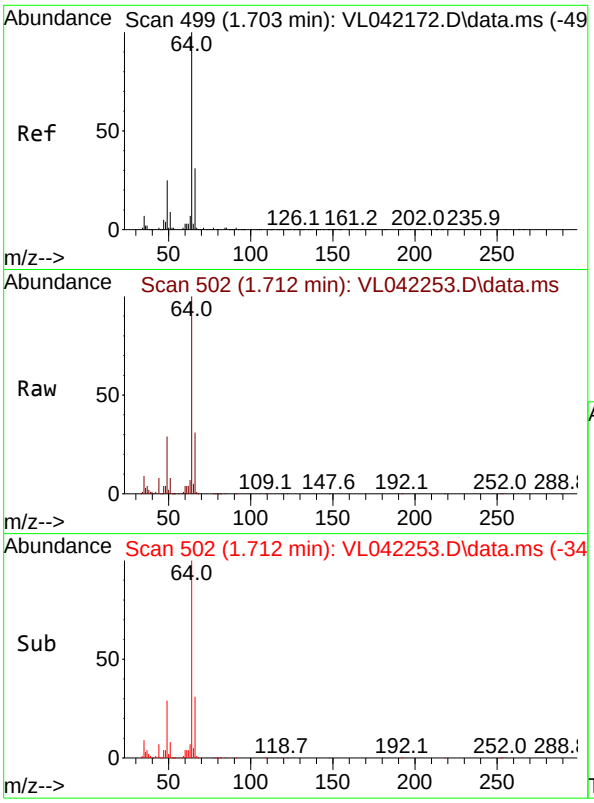


#6
Bromomethane
Concen: 9.087 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 94 Resp: 47897

Ion	Ratio	Lower	Upper
94	100		
96	90.9	73.1	109.7



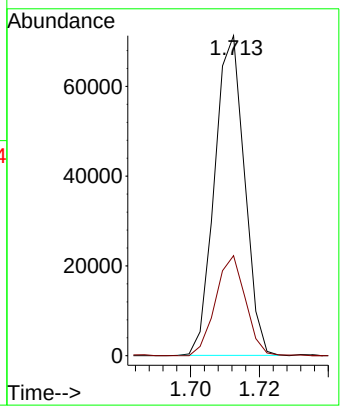


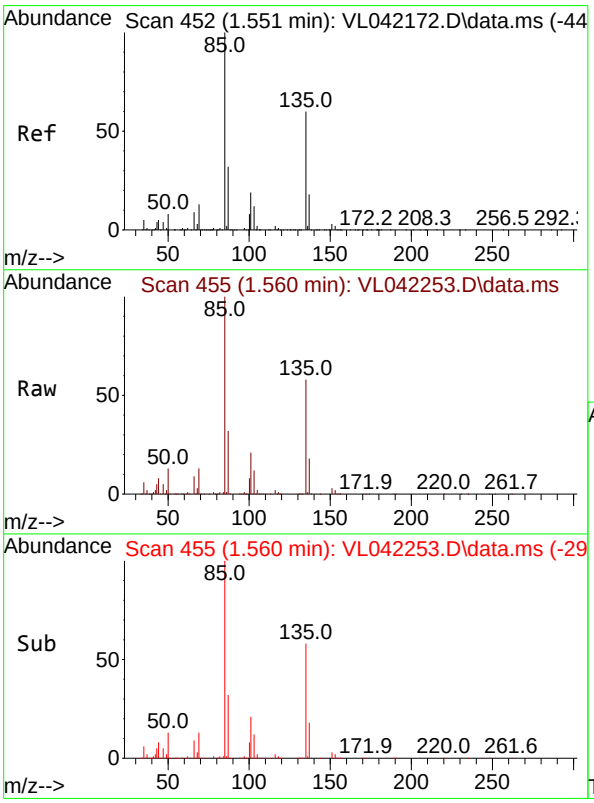
#7
Chloroethane
Concen: 9.215 ppbv
RT: 1.712 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 43021

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.2	37.8

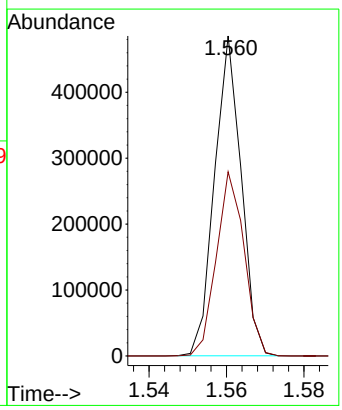


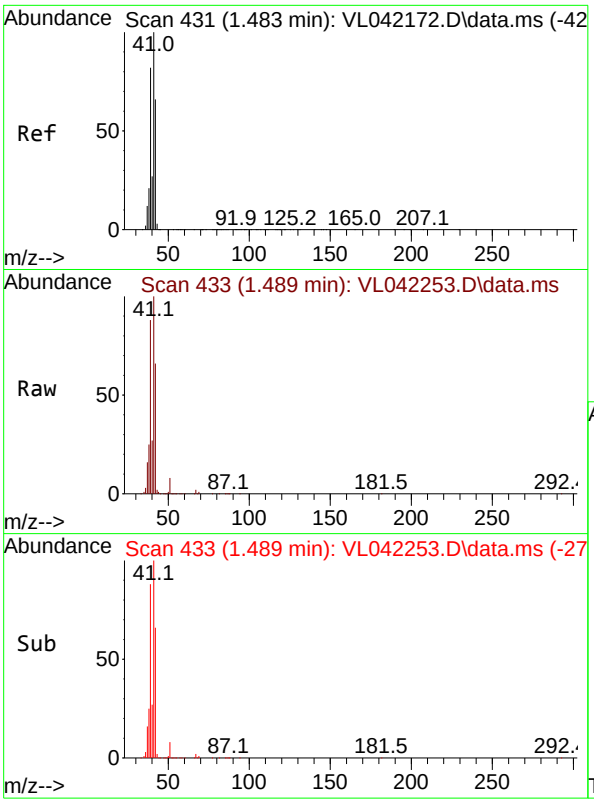


#8
Dichlorotetrafluoroethane
Concen: 9.554 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 85 Resp: 231550

Ion	Ratio	Lower	Upper
85	100		
135	60.1	52.4	78.6



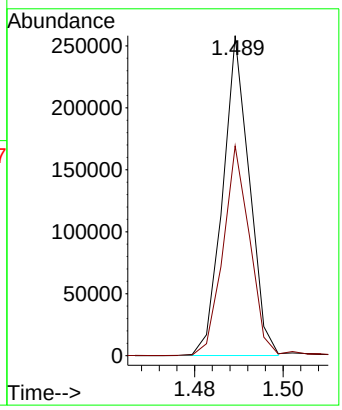


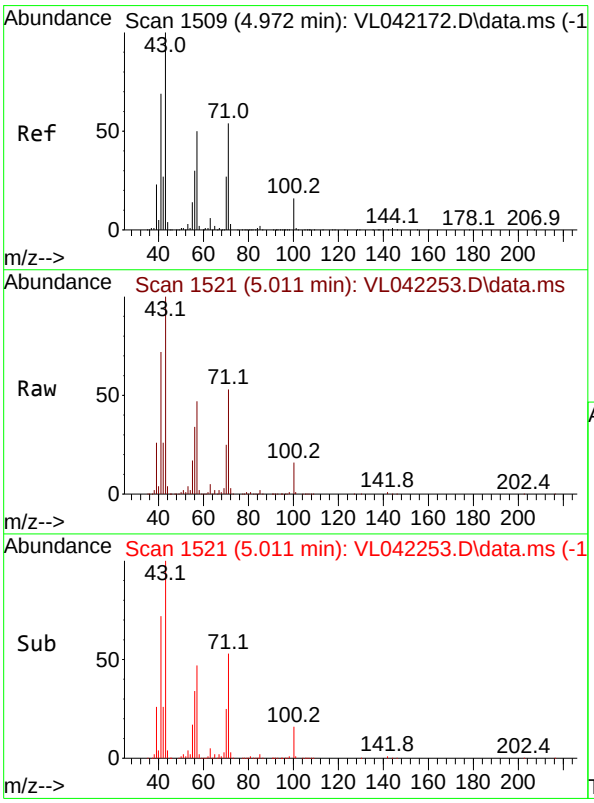
#9
Propene
Concen: 8.104 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 107995

Ion	Ratio	Lower	Upper
41	100		
42	67.3	55.4	83.2

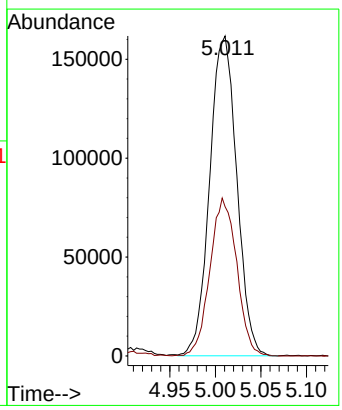


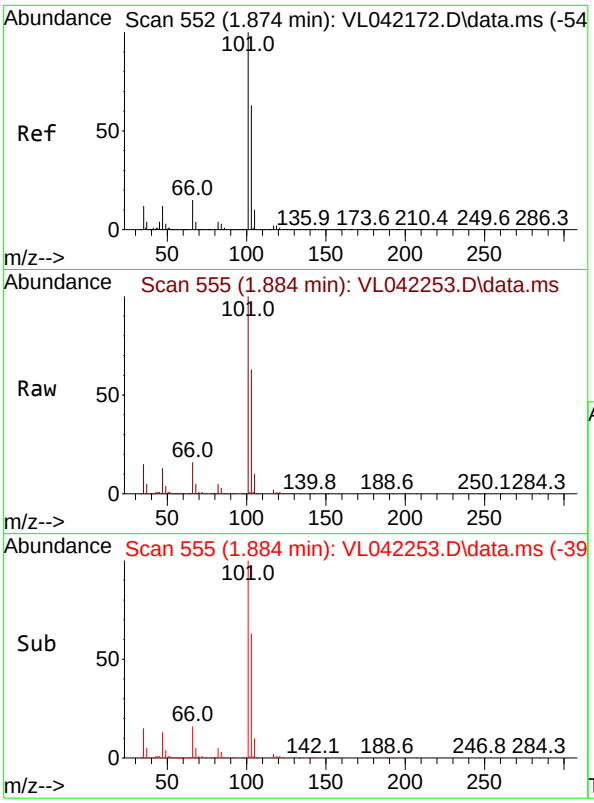


#10
Heptane
Concen: 9.441 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 334651

Ion	Ratio	Lower	Upper
43	100		
57	48.8	39.4	59.2



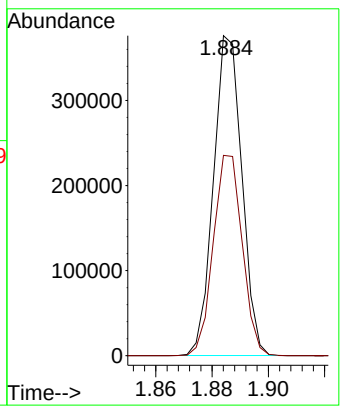


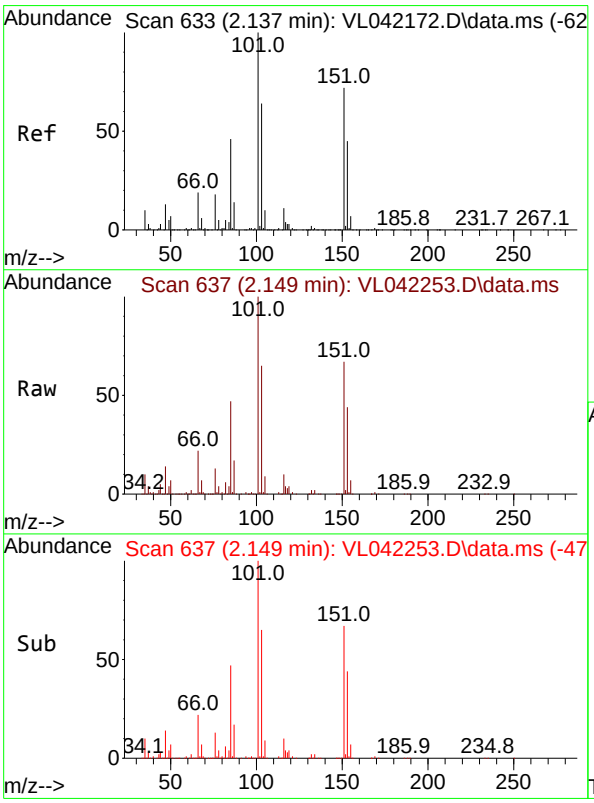
#11
Trichlorofluoromethane
Concen: 9.518 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 263560

Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.2	75.2

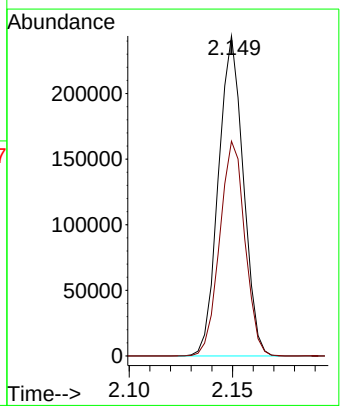


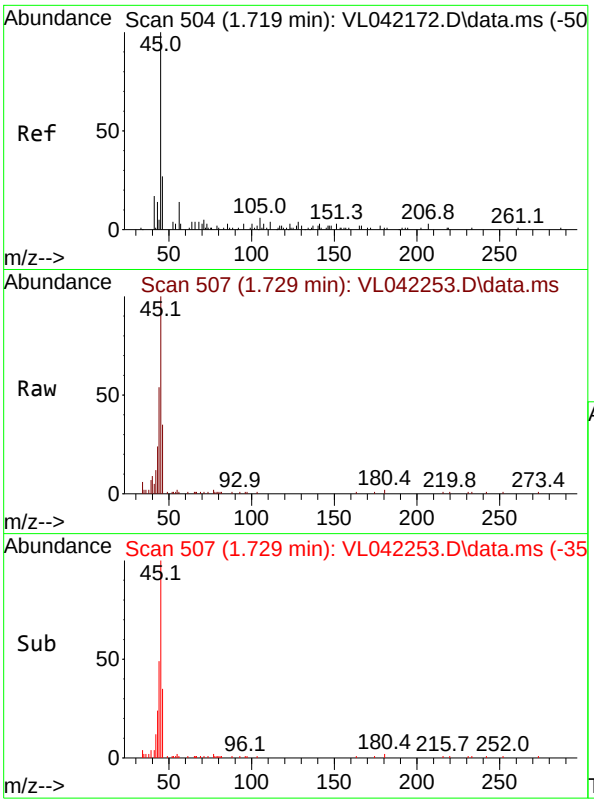


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.967 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:101 Resp: 204093

Ion	Ratio	Lower	Upper
101	100		
151	68.2	57.1	85.7



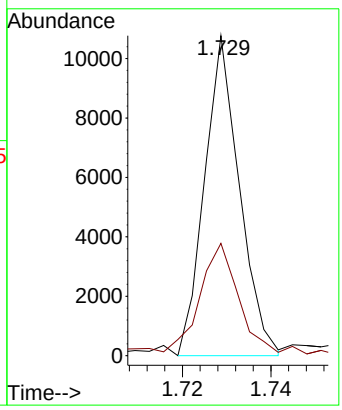


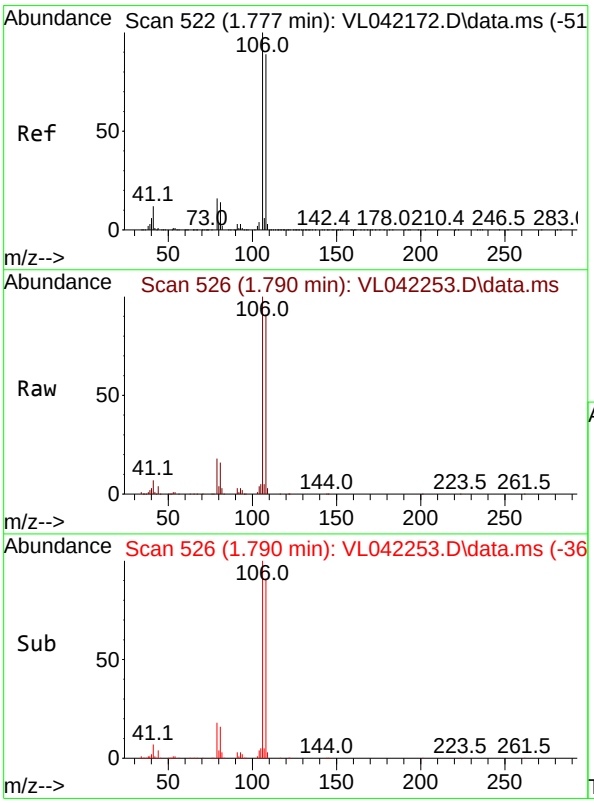
#13
Ethanol
Concen: 4.686 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 5903

Ion	Ratio	Lower	Upper
45	100		
46	45.1	20.2	80.8

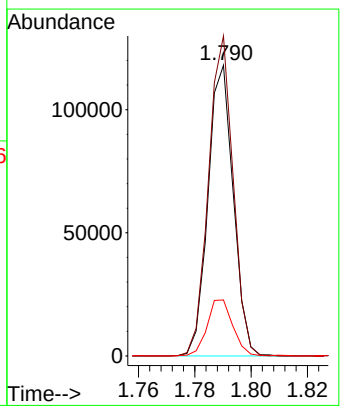


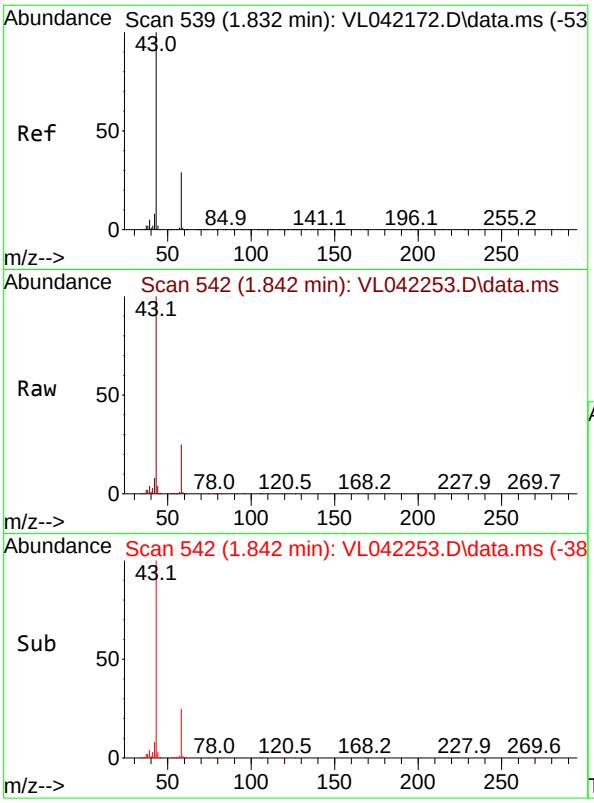


#14
Bromoethene
Concen: 8.438 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:108 Resp: 73578

Ion	Ratio	Lower	Upper
108	100		
106	107.3	86.8	130.2
79	20.3	15.0	22.6



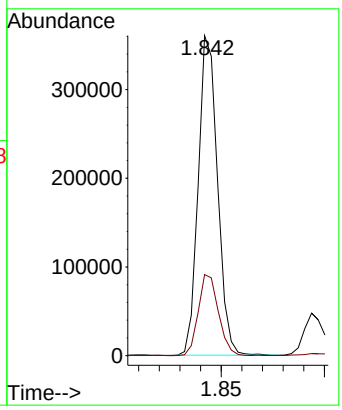


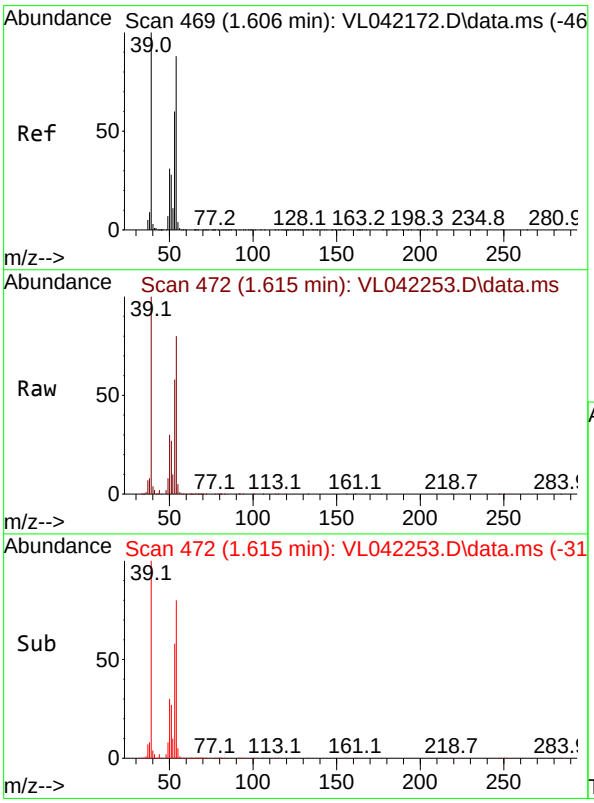
#15
Acetone
Concen: 8.677 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 233895

Ion	Ratio	Lower	Upper
43	100		
58	26.7	23.2	34.8

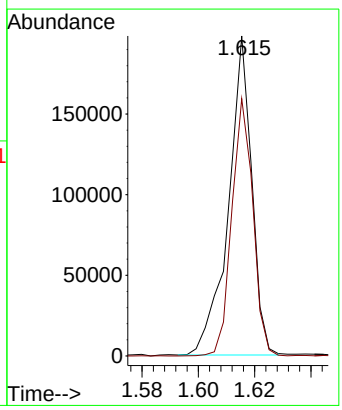


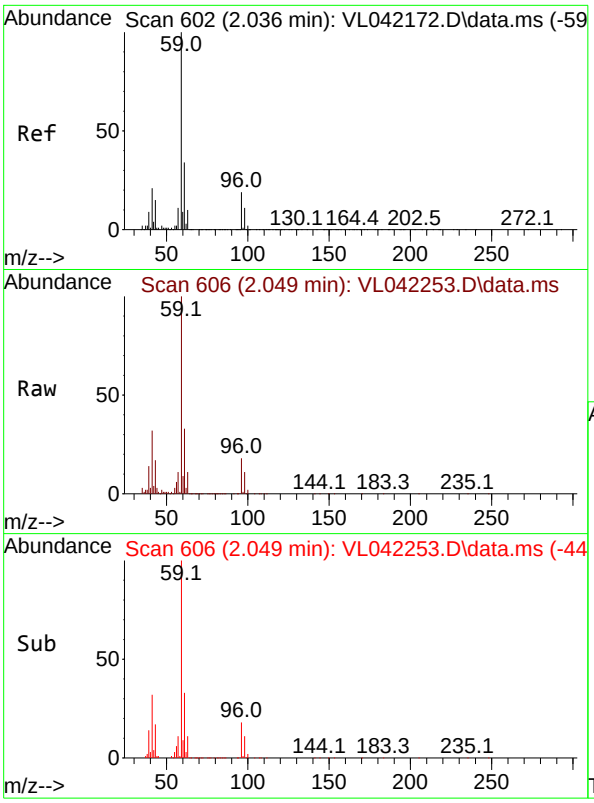


#16
1,3-Butadiene
Concen: 8.637 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 39 Resp: 113699

Ion	Ratio	Lower	Upper
39	100		
54	73.1	60.7	91.1



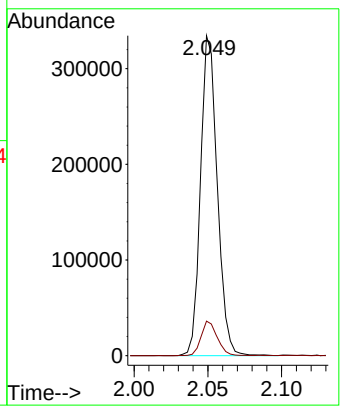


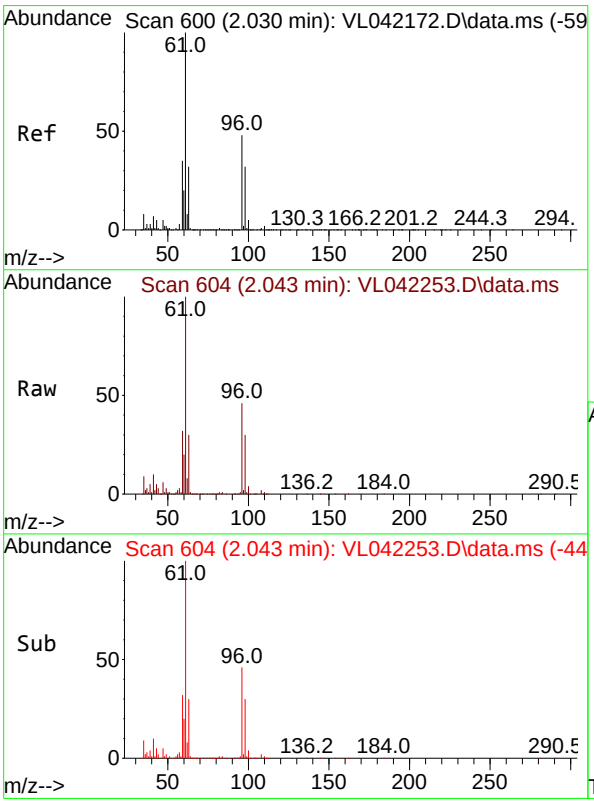
#17
tert-Butyl alcohol
Concen: 7.865 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 264061

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.9	13.3

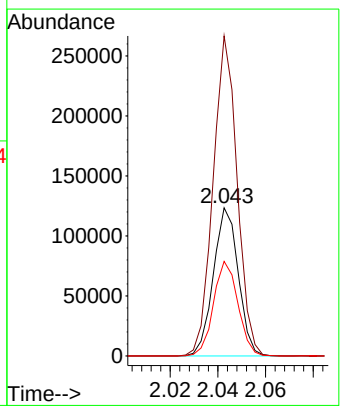


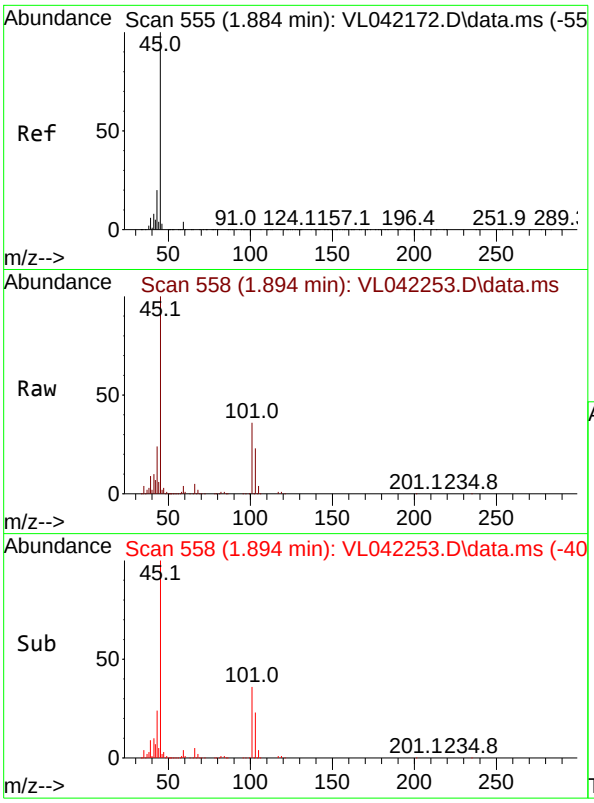


#18
1,1-Dichloroethene
Concen: 8.414 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 96 Resp: 89526

Ion	Ratio	Lower	Upper
96	100		
61	216.0	167.6	251.4
98	63.8	53.5	80.3



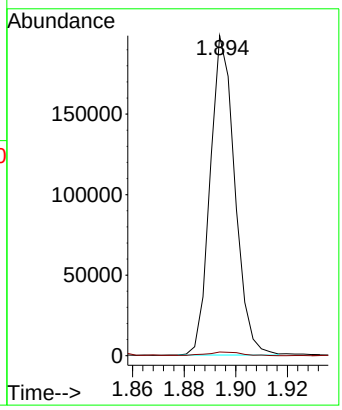


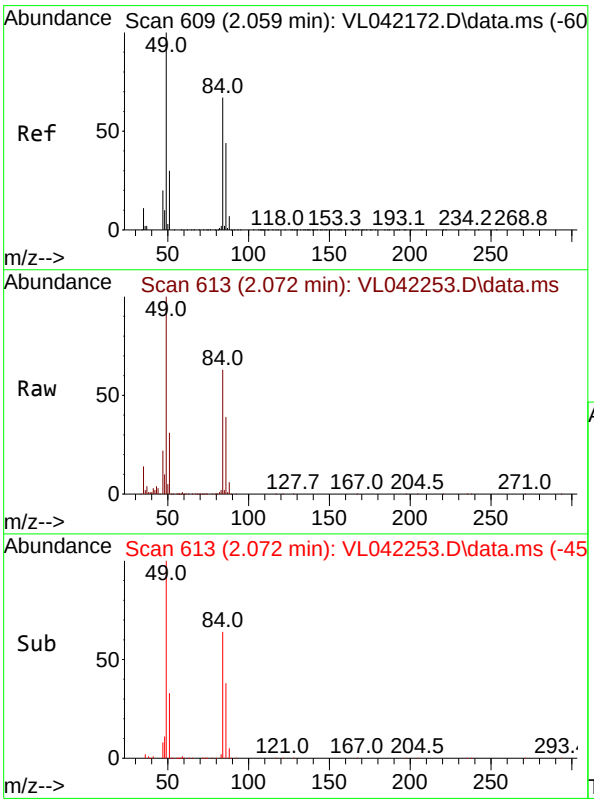
#19
Isopropyl Alcohol
Concen: 8.653 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 131605

Ion	Ratio	Lower	Upper
45	100		
58	47.5	36.9	55.3

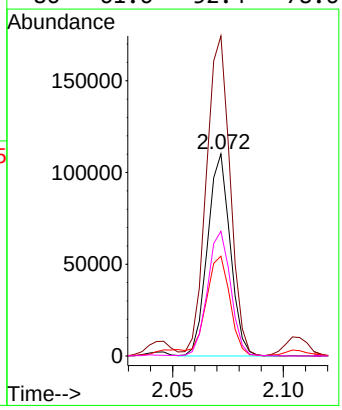


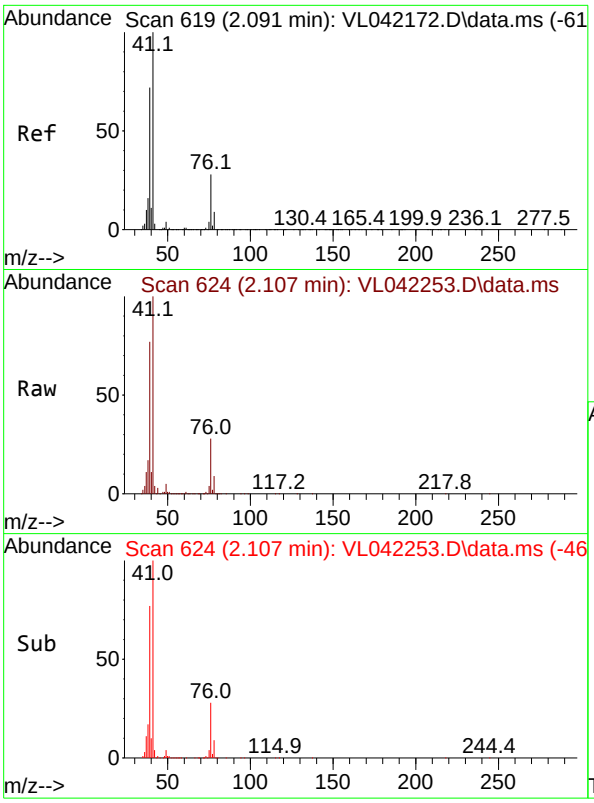


#20
Methylene Chloride
Concen: 7.825 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 84 Resp: 78560

Ion	Ratio	Lower	Upper
84	100		
49	156.4	120.2	180.4
51	48.5	37.4	56.0
86	61.6	52.4	78.6



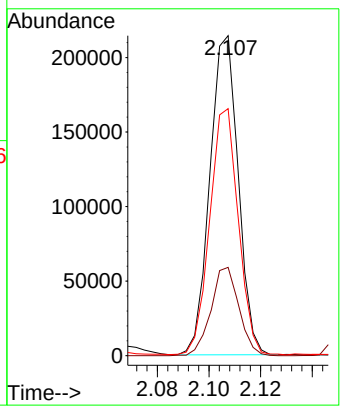


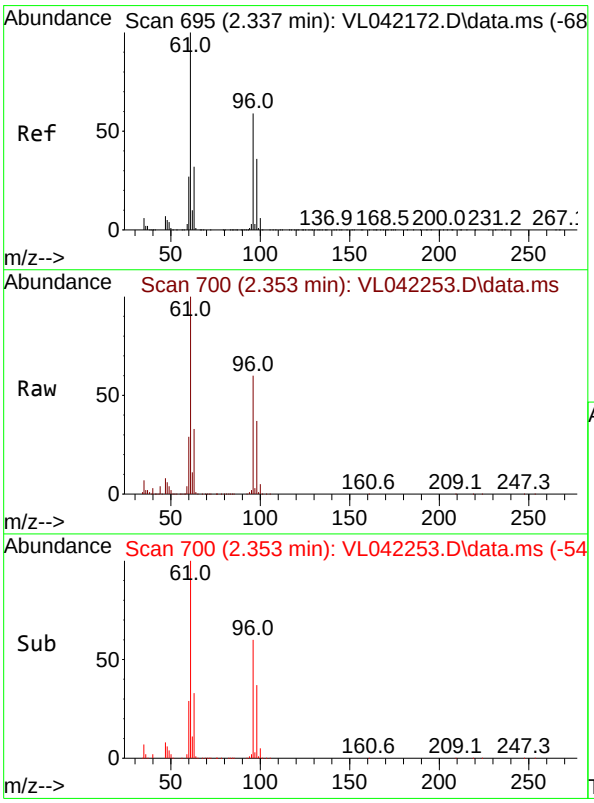
#21
Allyl Chloride
Concen: 8.590 ppbv
RT: 2.107 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 163305

Ion	Ratio	Lower	Upper
41	100		
76	27.3	24.1	36.1
39	77.5	61.1	91.7

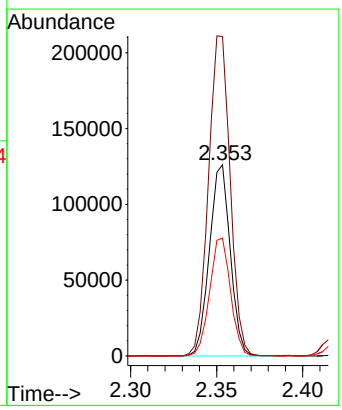


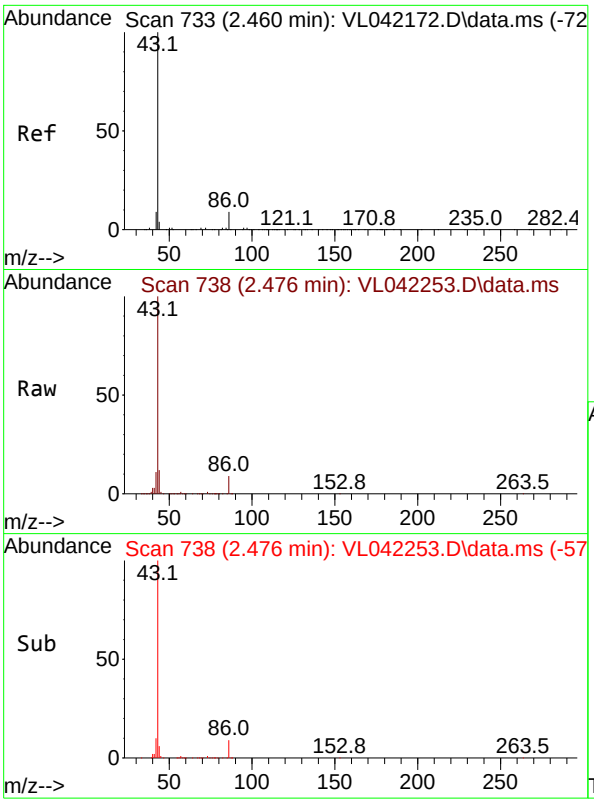


#22
trans-1,2-Dichloroethene
Concen: 8.643 ppbv
RT: 2.353 min Scan# 700
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 96 Resp: 106297

Ion	Ratio	Lower	Upper
96	100		
61	167.0	136.6	204.8
98	61.7	49.4	74.2



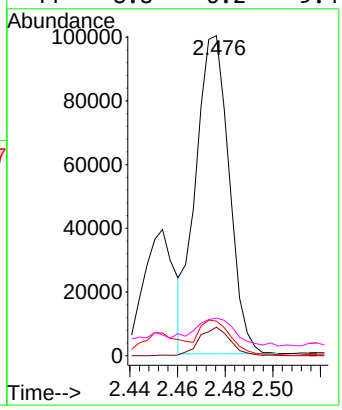


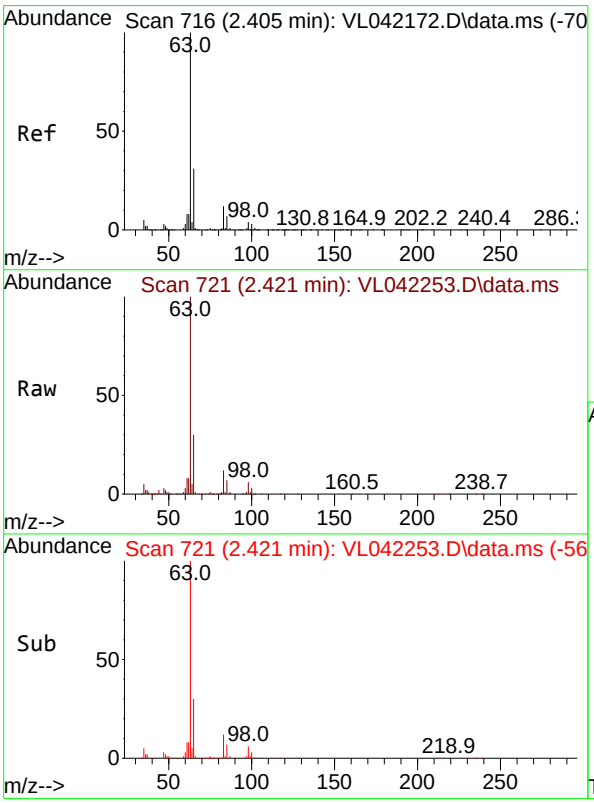
#23
Vinyl Acetate
Concen: 8.313 ppbv
RT: 2.476 min Scan# 7
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 96990

Ion	Ratio	Lower	Upper
43	100		
86	8.9	5.5	8.3#
42	10.5	8.6	13.0
44	8.8	6.2	9.4

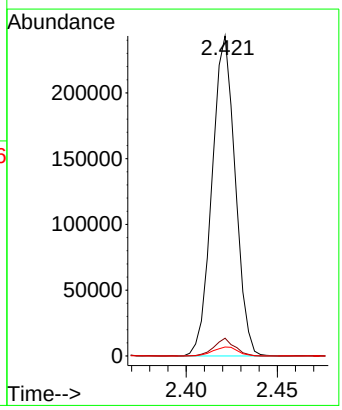


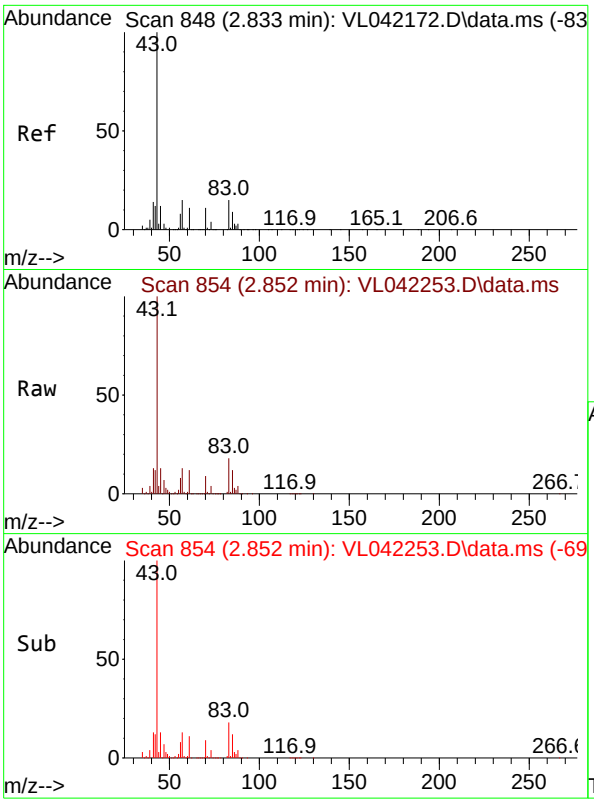


#24
1,1-Dichloroethane
Concen: 9.422 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 63 Resp: 214800

Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.3	6.8
100	2.8	1.6	4.7



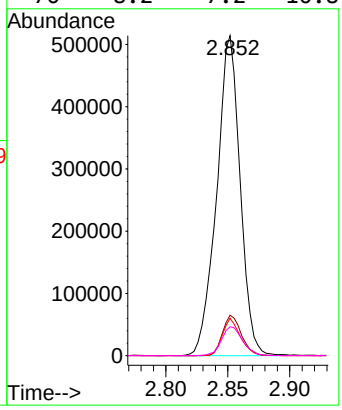


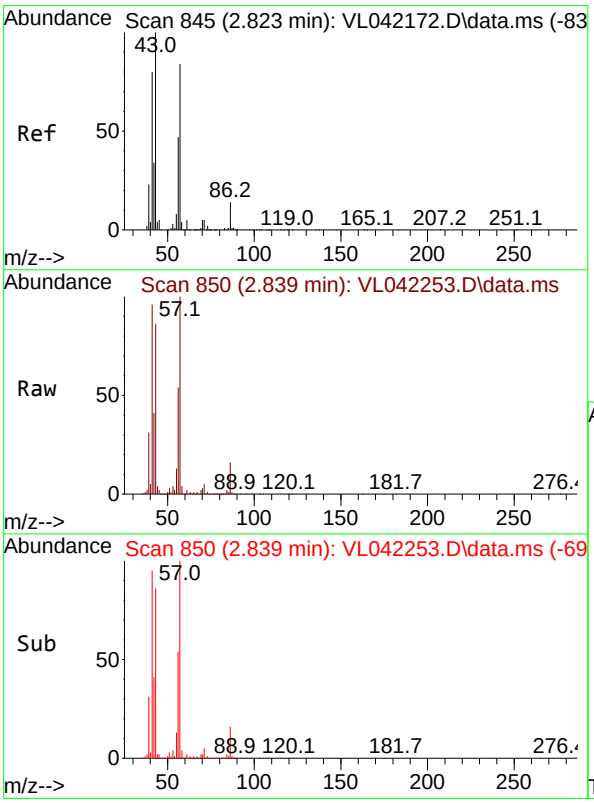
#25
Ethyl Acetate
Concen: 9.704 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 678925

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.0	7.3	10.9
70	8.2	7.2	10.8

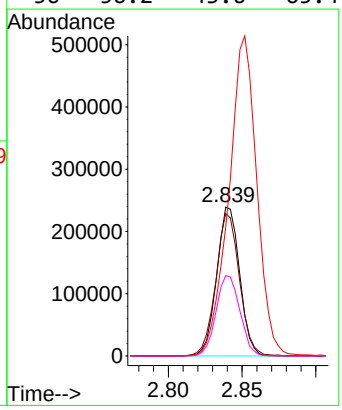


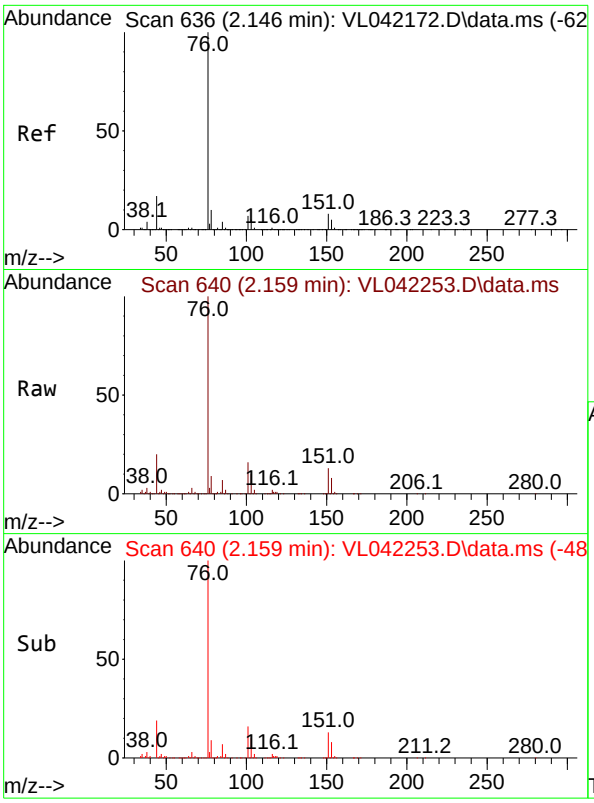


#26
Hexane
Concen: 9.529 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 57 Resp: 257513

Ion	Ratio	Lower	Upper
57	100		
41	99.7	76.6	114.8
43	264.2	207.8	311.8
56	56.2	43.6	65.4



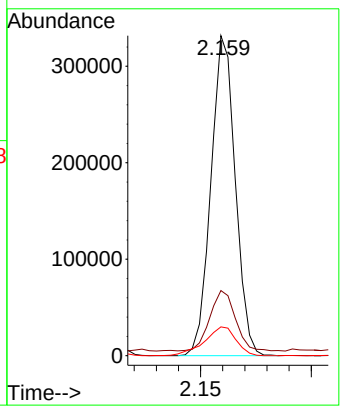


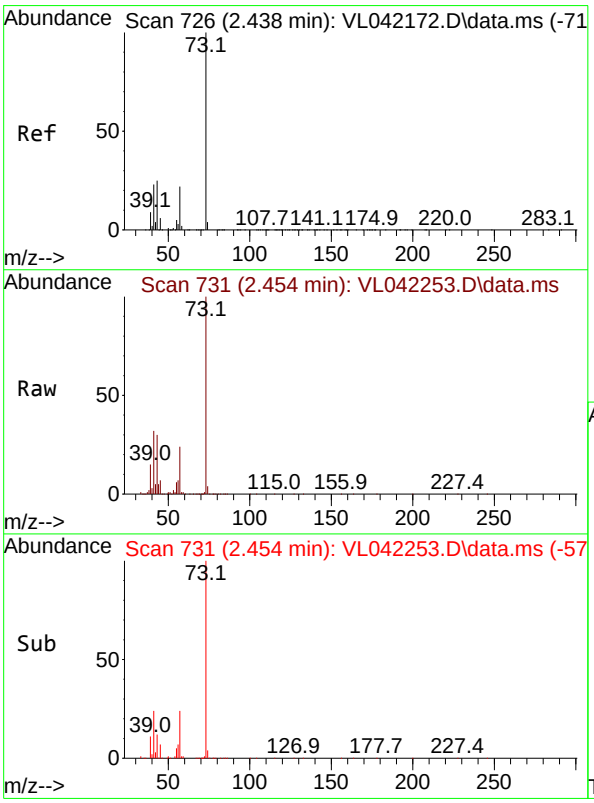
#27
Carbon Disulfide
Concen: 8.762 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 253909

Ion	Ratio	Lower	Upper
76	100		
44	20.0	14.7	22.1
78	11.7	9.3	13.9

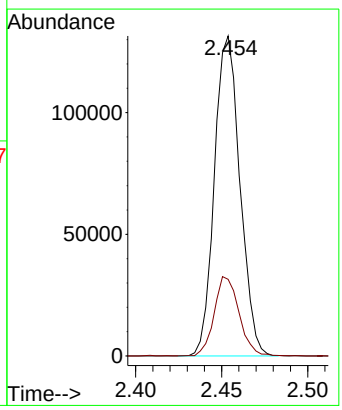


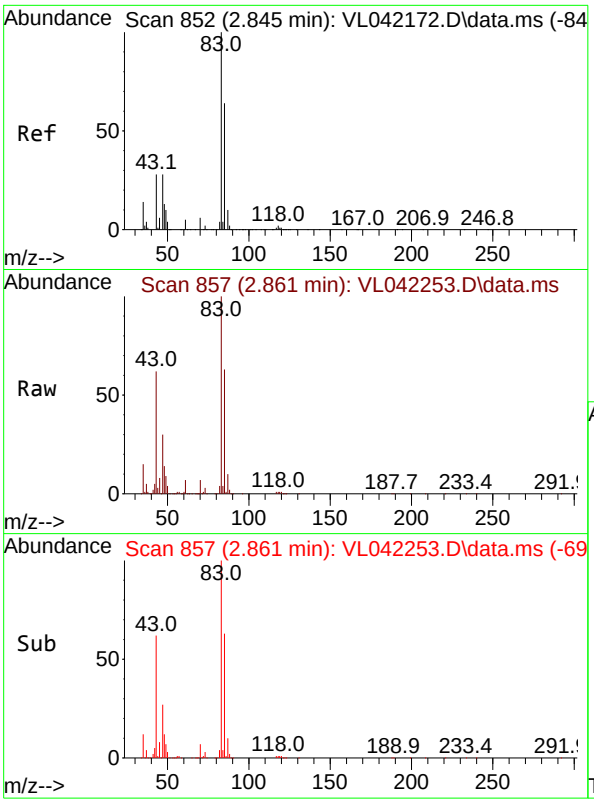


#28
Methyl tert-Butyl Ether
Concen: 8.078 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 73 Resp: 135921

Ion	Ratio	Lower	Upper
73	100		
57	24.1	20.5	30.7



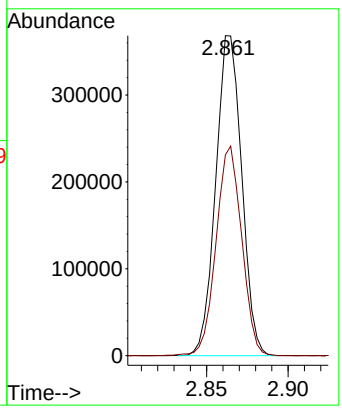


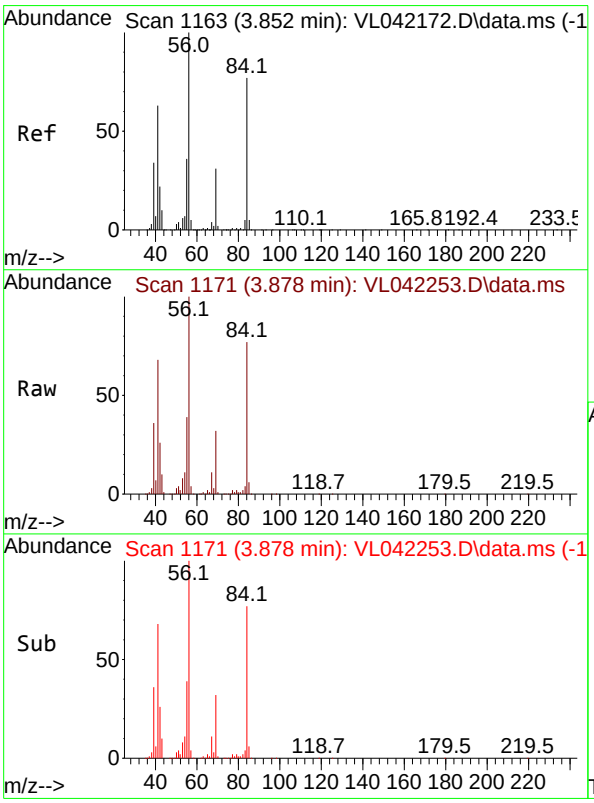
#29
Chloroform
Concen: 10.306 ppbv
RT: 2.861 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 407591

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.2

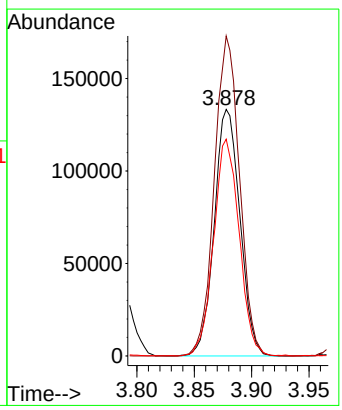


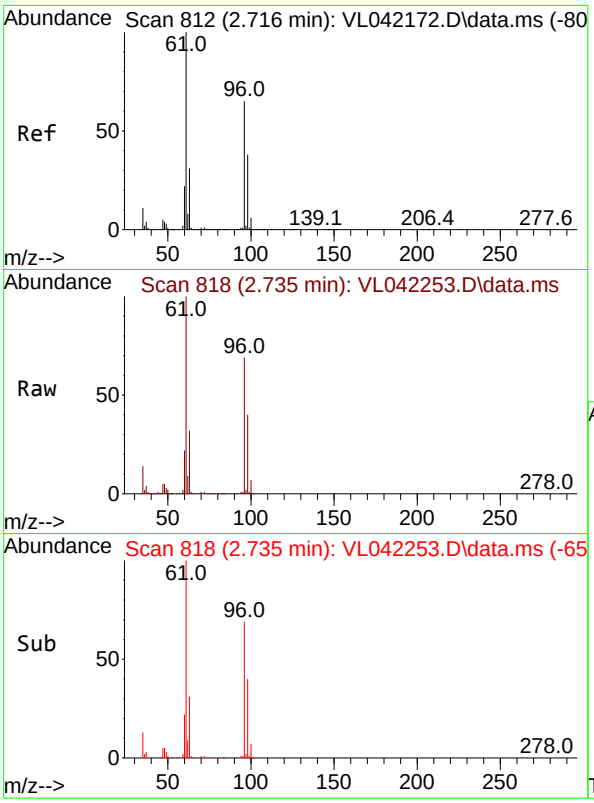


#30
Cyclohexane
Concen: 8.831 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 84 Resp: 207216

Ion	Ratio	Lower	Upper
84	100		
56	127.8	102.8	154.2
41	88.0	66.5	99.7



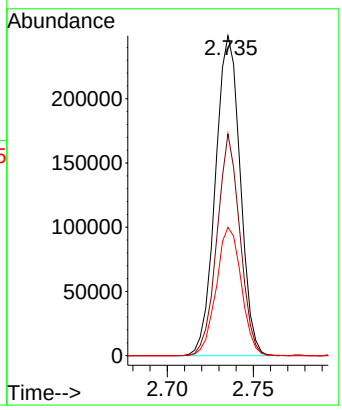


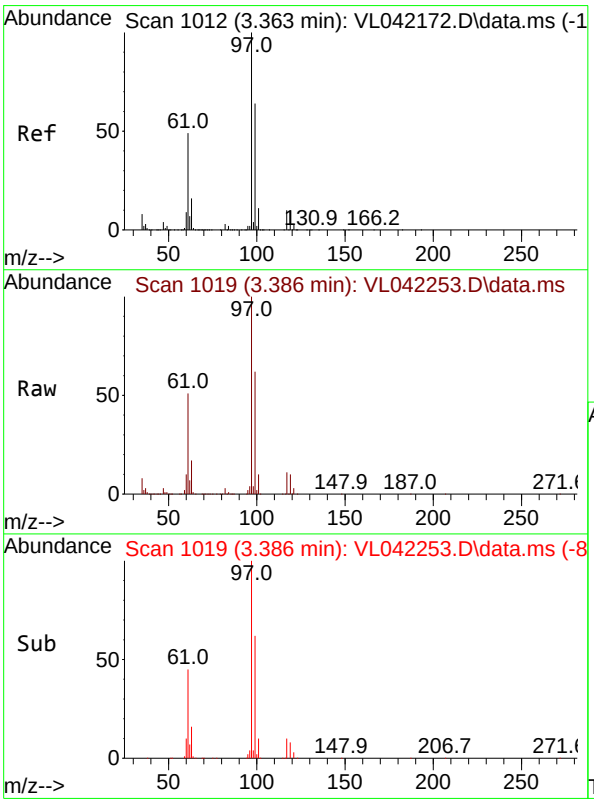
#31
cis-1,2-Dichloroethene
Concen: 9.098 ppbv
RT: 2.735 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 249595

Ion	Ratio	Lower	Upper
61	100		
96	69.3	51.8	77.8
98	40.1	30.6	46.0

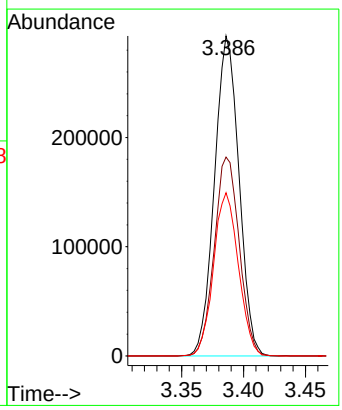


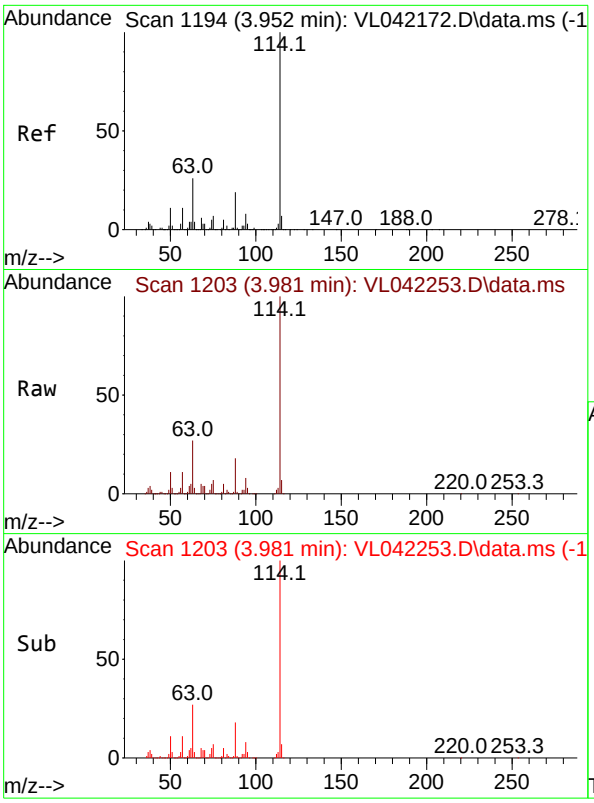


#32
1,1,1-Trichloroethane
Concen: 8.915 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 97 Resp: 403665

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	51.9	38.7	58.1



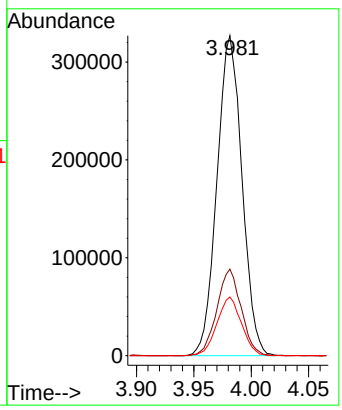


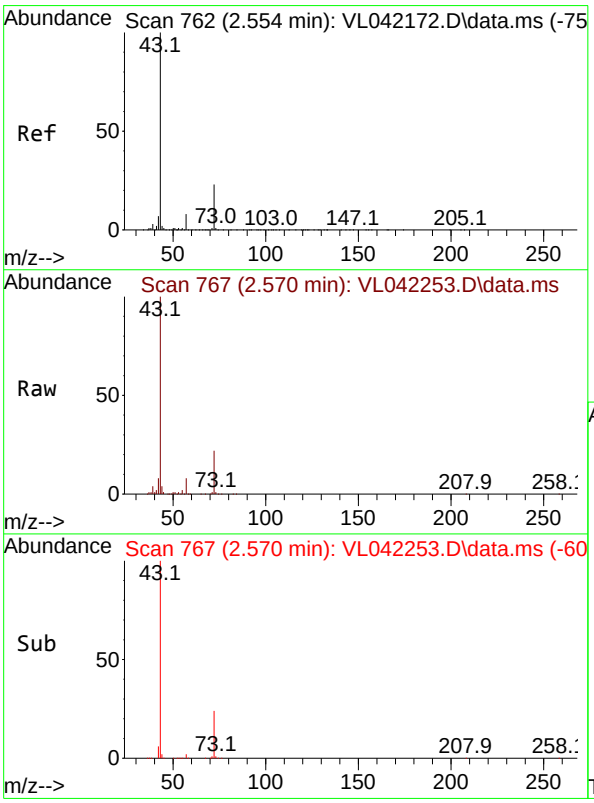
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 496271

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.7	31.1
88	17.9	15.0	22.4

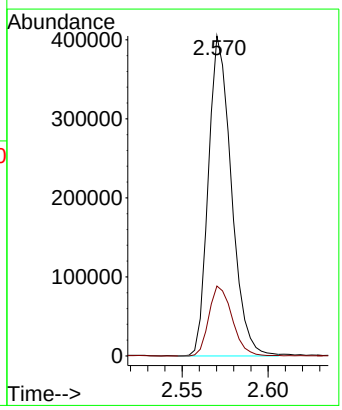


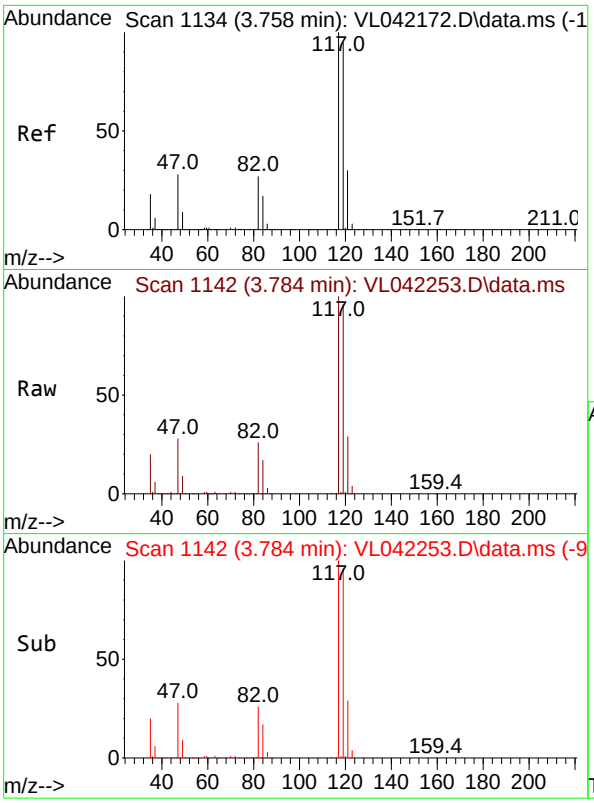


#34
2-Butanone
Concen: 10.443 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 375791

Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.2	27.2



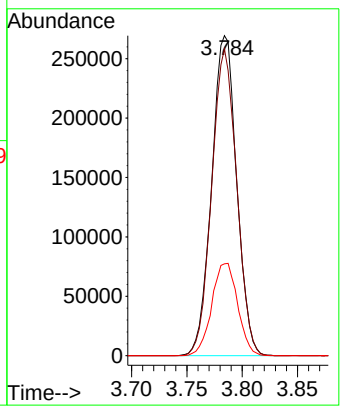


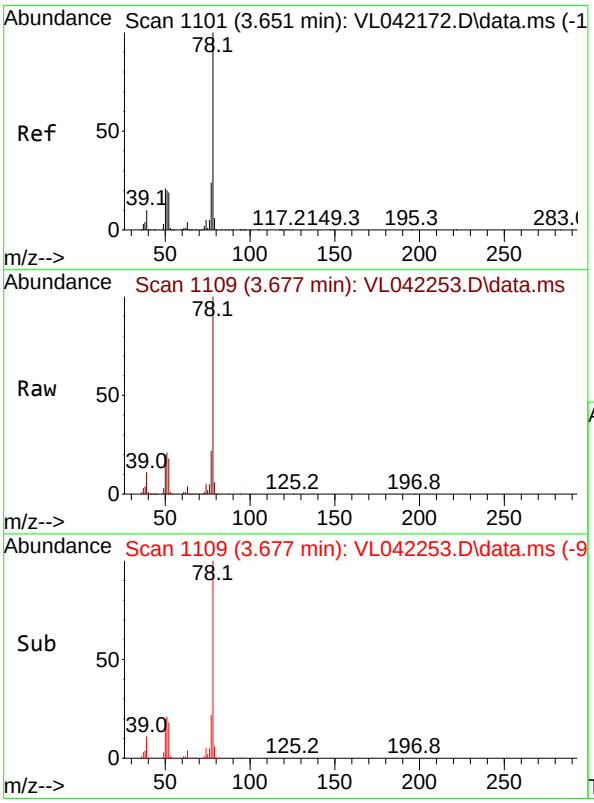
#35
Carbon Tetrachloride
Concen: 10.934 ppbv
RT: 3.784 min Scan# 1
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 423863

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
121	28.7	24.2	36.4

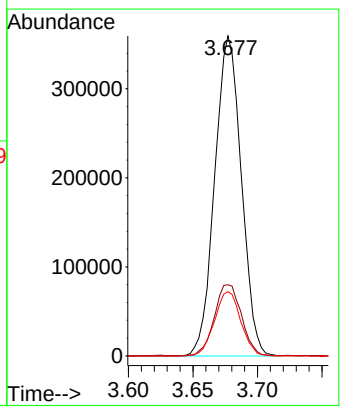


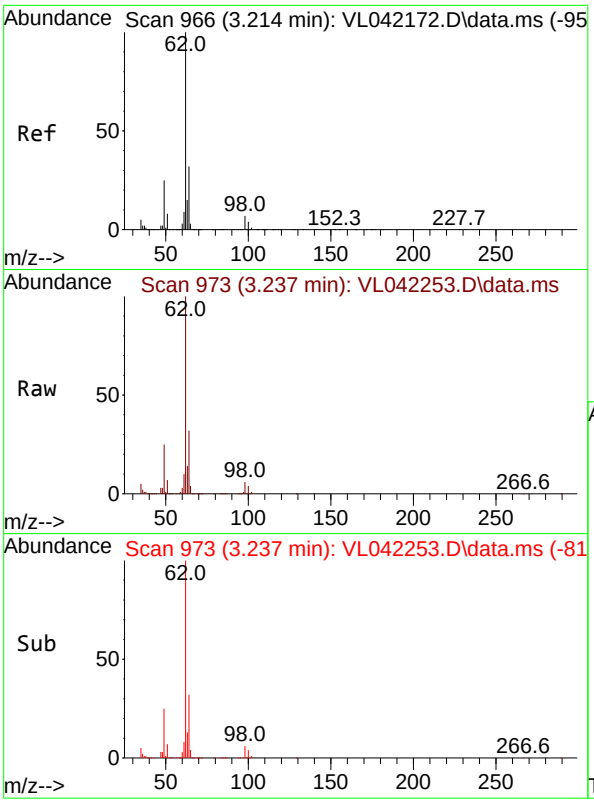


#36
Benzene
Concen: 10.467 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 78 Resp: 514967

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.1	28.7
50	20.1	16.6	24.8



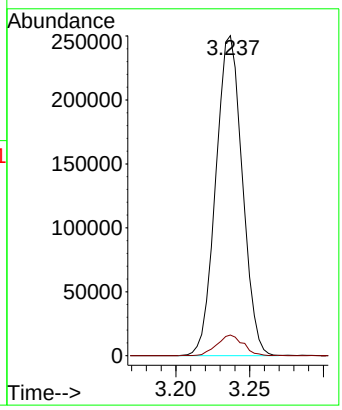


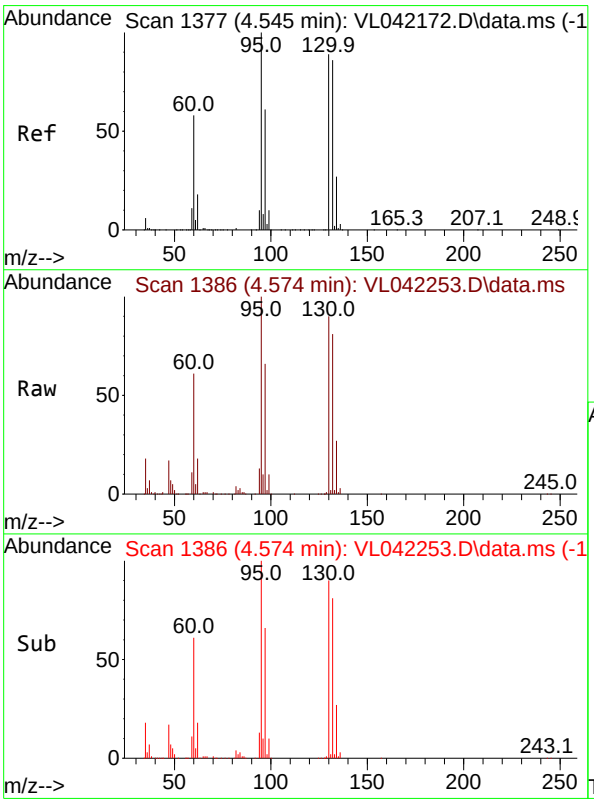
#37
1,2-Dichloroethane
Concen: 11.119 ppbv
RT: 3.237 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 313194

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.4	8.2

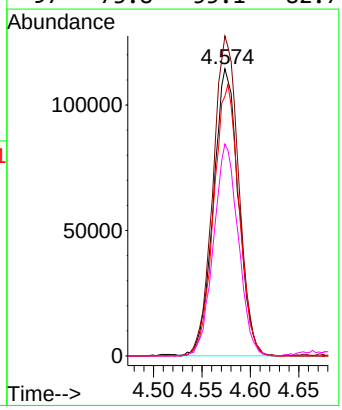


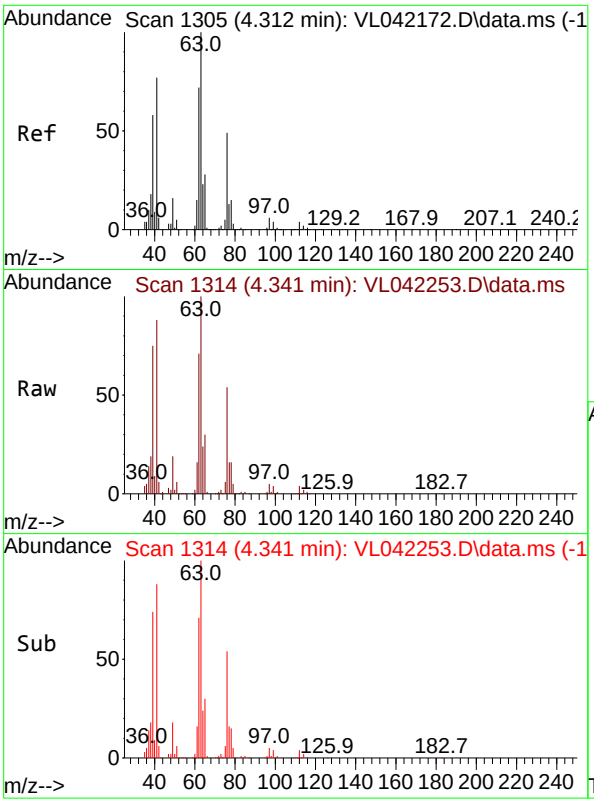


#38
Trichloroethene
Concen: 10.032 ppbv
RT: 4.574 min Scan# 1386
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:130 Resp: 205933

Ion	Ratio	Lower	Upper
130	100		
95	111.4	89.8	134.8
132	90.5	77.4	116.2
97	73.8	55.1	82.7



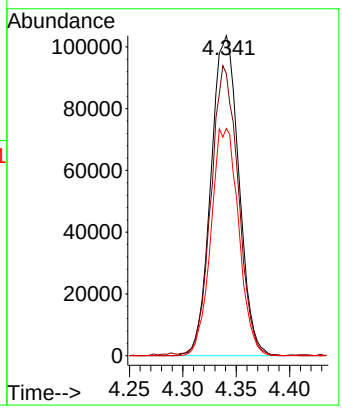


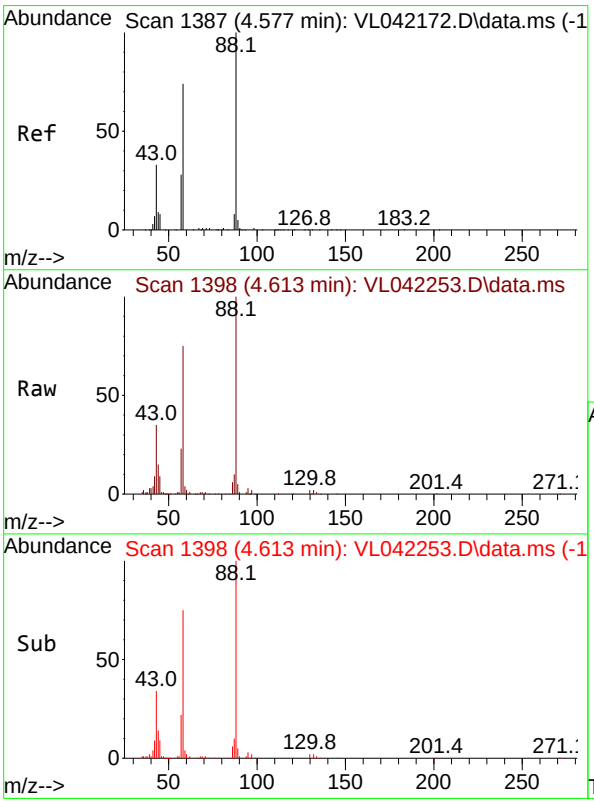
#39
1,2-Dichloropropane
Concen: 10.501 ppbv
RT: 4.341 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 188150

Ion	Ratio	Lower	Upper
63	100		
41	87.9	61.7	92.5
62	70.9	57.6	86.4

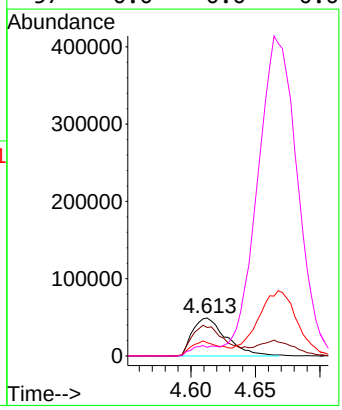


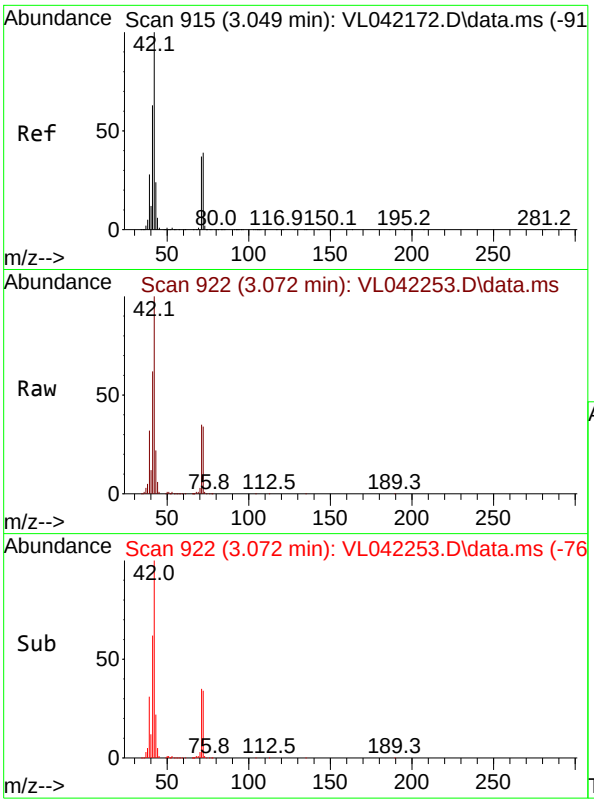


#40
1,4-Dioxane
Concen: 9.409 ppbv
RT: 4.613 min Scan# 1398
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 88 Resp: 89479

Ion	Ratio	Lower	Upper
88	100		
58	78.8	62.7	94.1
43	35.2	23.0	34.4#
57	0.0	0.0	0.0



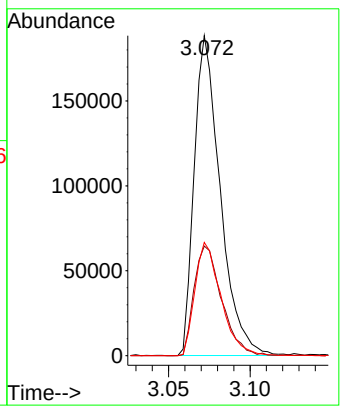


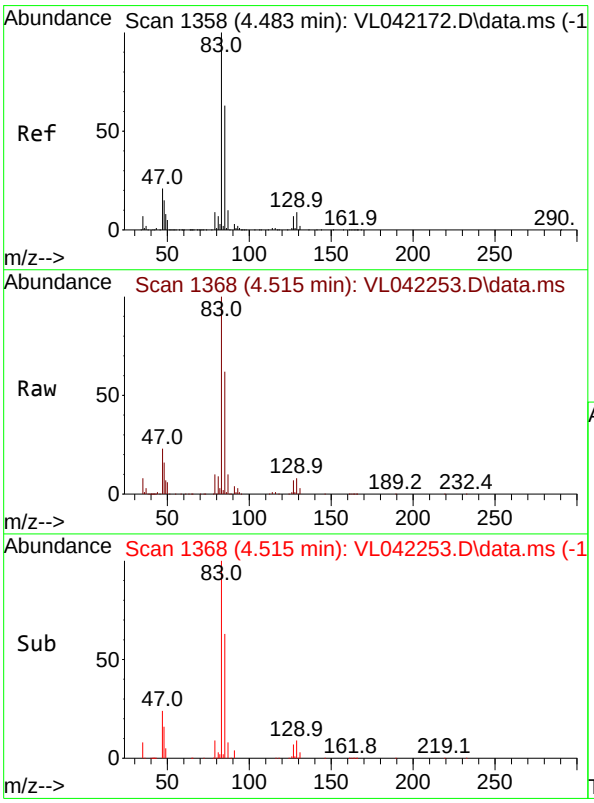
#41
Tetrahydrofuran
Concen: 10.073 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 208736

Ion	Ratio	Lower	Upper
42	100		
72	36.5	31.4	47.0
71	35.6	30.2	45.4

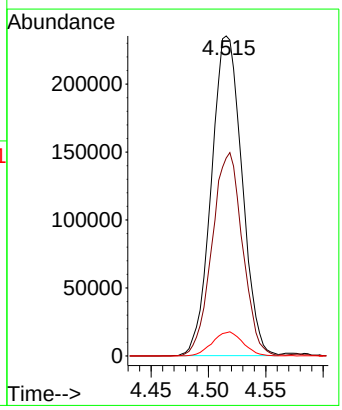


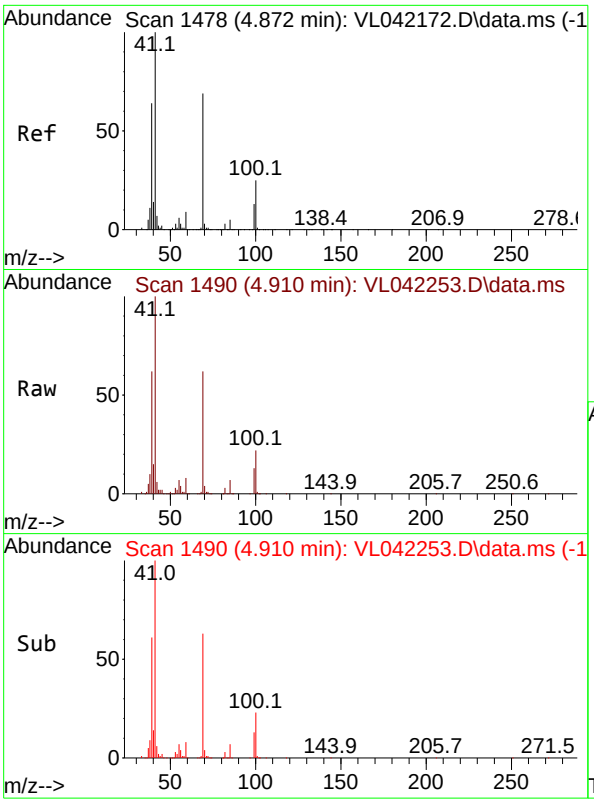


#42
Bromodichloromethane
Concen: 11.230 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 83 Resp: 436058

Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.5	75.7
127	7.2	5.9	8.9



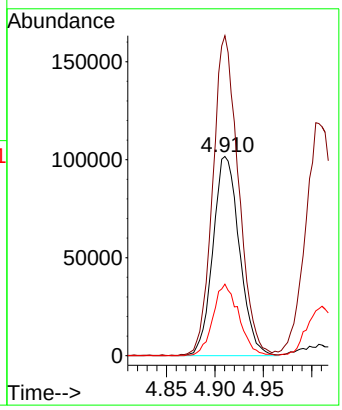


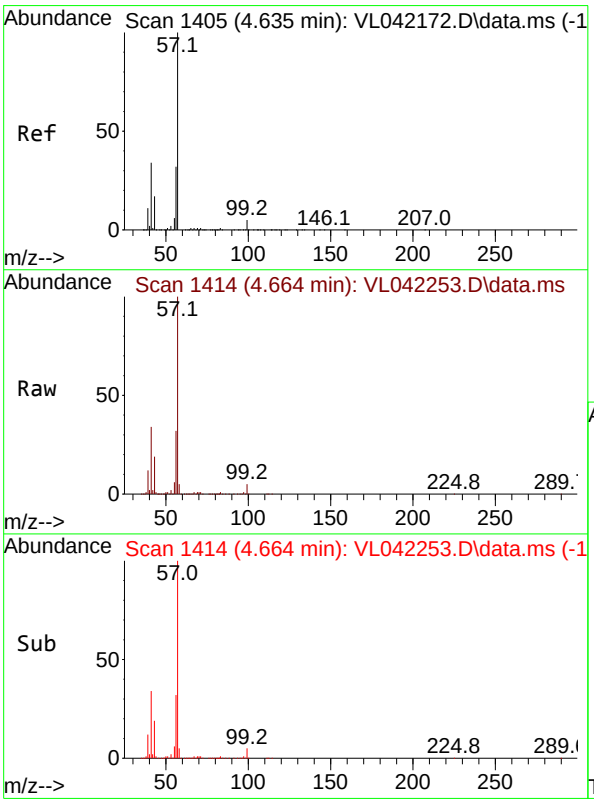
#43
Methyl Methacrylate
Concen: 9.288 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 193449

Ion	Ratio	Lower	Upper
69	100		
41	156.1	123.8	185.6
100	35.2	28.4	42.6

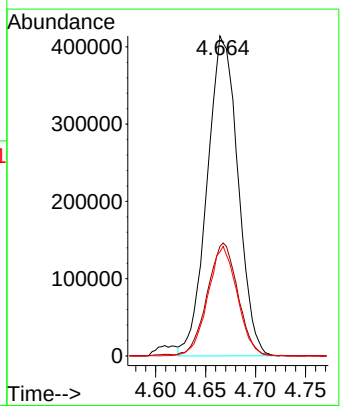


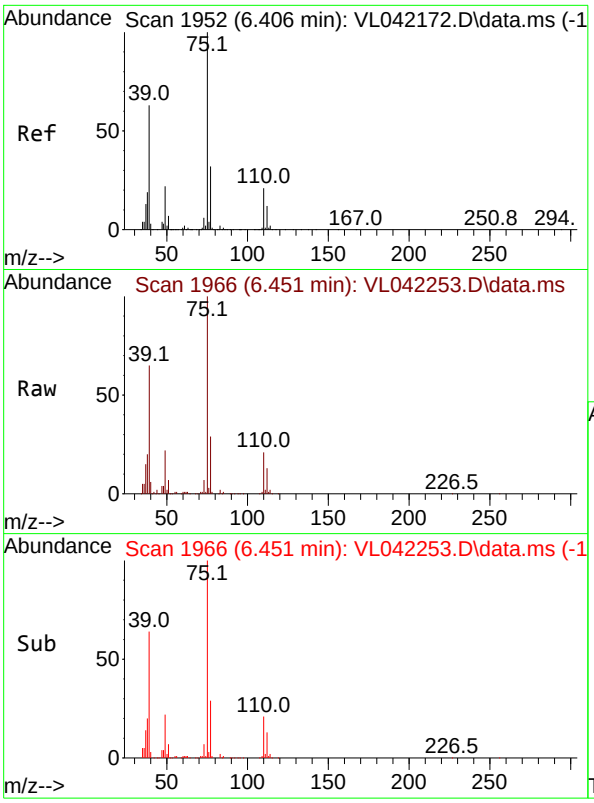


#44
2,2,4-Trimethylpentane
Concen: 10.687 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 57 Resp: 888509

Ion	Ratio	Lower	Upper
57	100		
41	35.5	26.8	40.2
56	32.8	25.6	38.4



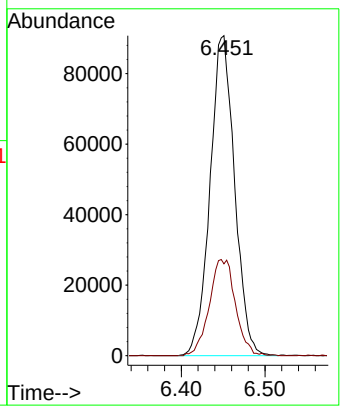


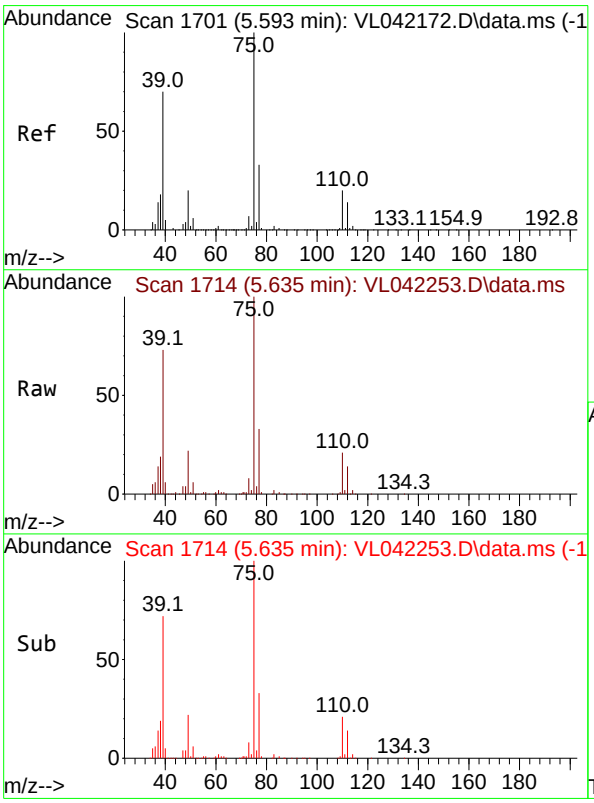
#45
t-1,3-Dichloropropene
Concen: 8.273 ppbv
RT: 6.451 min Scan# 1
Delta R.T. 0.045 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 184866

Ion	Ratio	Lower	Upper
75	100		
77	28.7	26.0	39.0

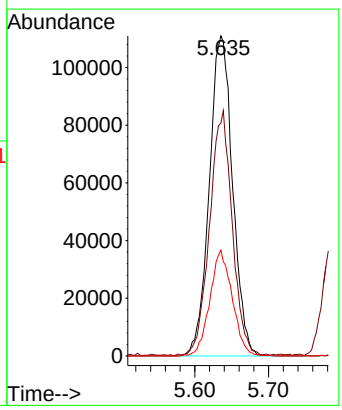


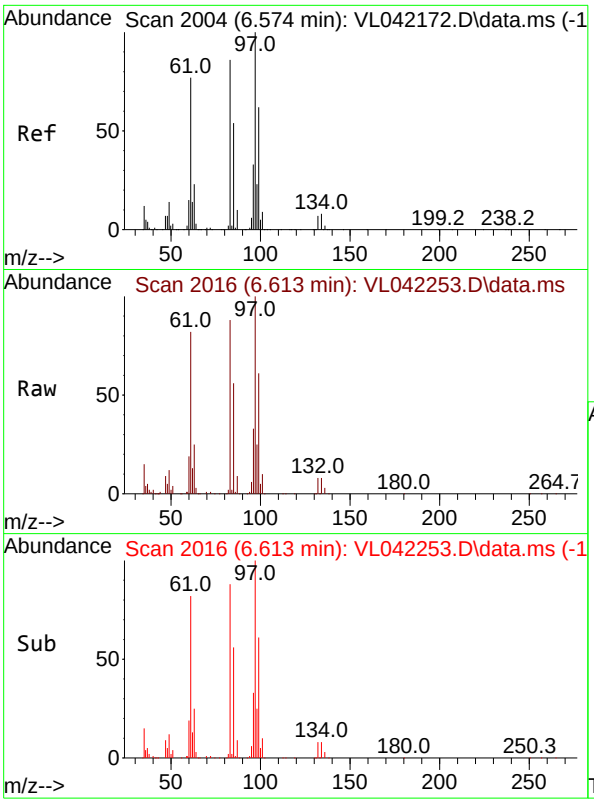


#46
cis-1,3-Dichloropropene
Concen: 8.880 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.042 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 75 Resp: 243227

Ion	Ratio	Lower	Upper
75	100		
39	72.4	55.8	83.6
77	33.1	26.0	39.0



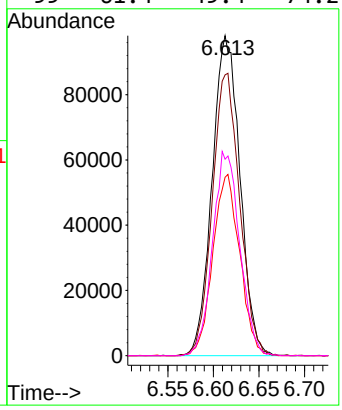


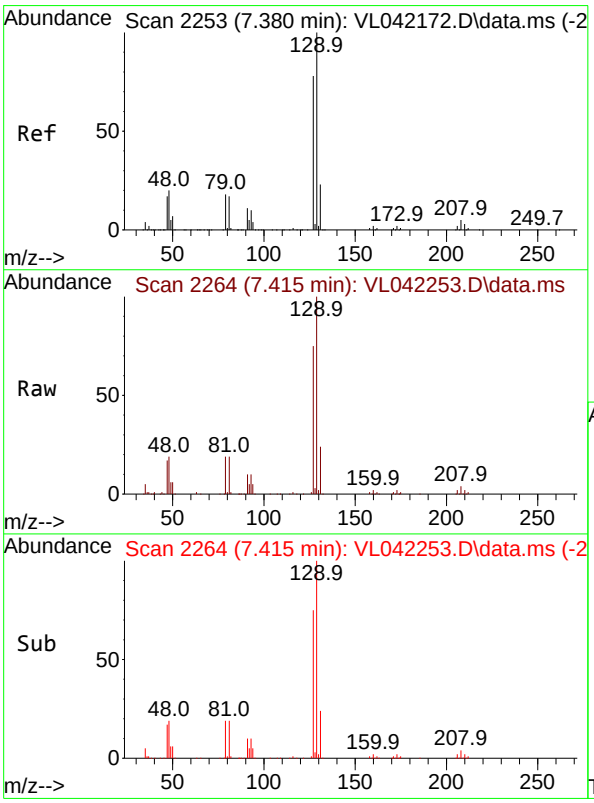
#47
1,1,2-Trichloroethane
Concen: 11.011 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 208553

Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.2	103.8
85	55.8	43.1	64.7
99	61.4	49.4	74.2

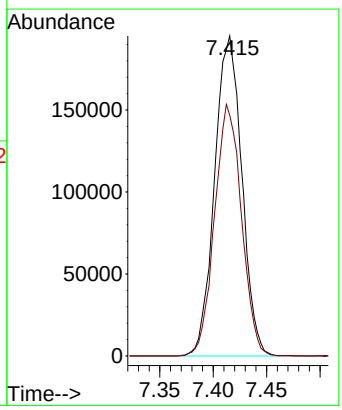


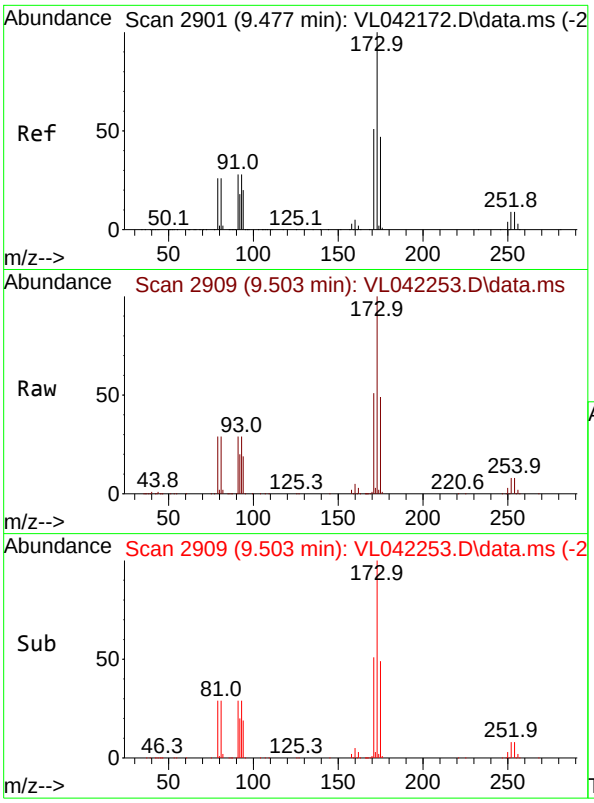


#48
Dibromochloromethane
Concen: 10.783 ppbv
RT: 7.415 min Scan# 2264
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:129 Resp: 346117

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2



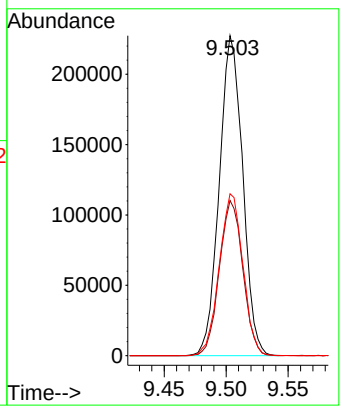


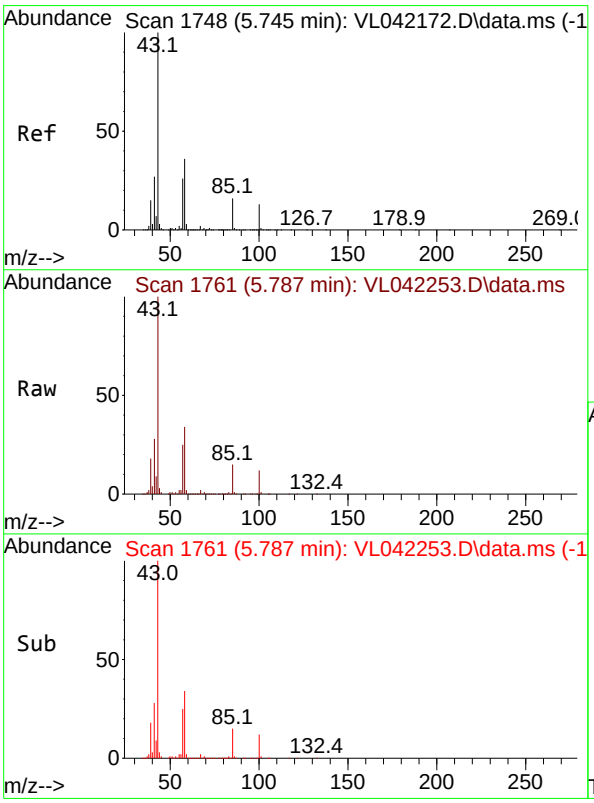
#49
Bromoform
Concen: 10.395 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 299582

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	57.8
171	51.3	41.8	62.6

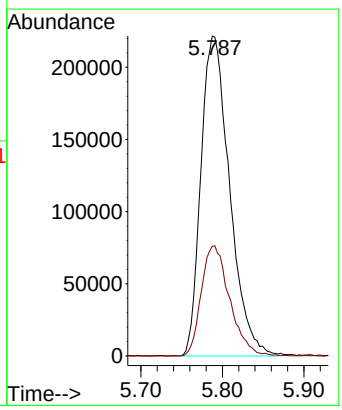


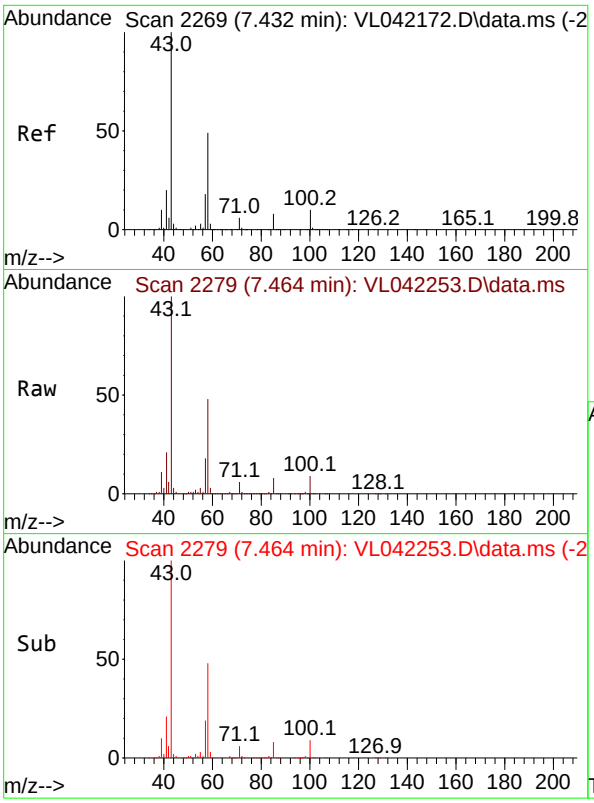


#50
4-Methyl-2-Pentanone
Concen: 9.519 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.042 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 43 Resp: 542853

Ion	Ratio	Lower	Upper
43	100		
58	34.0	29.0	43.6



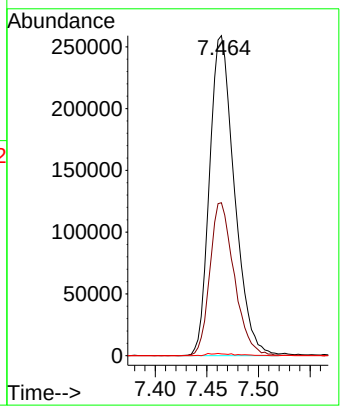


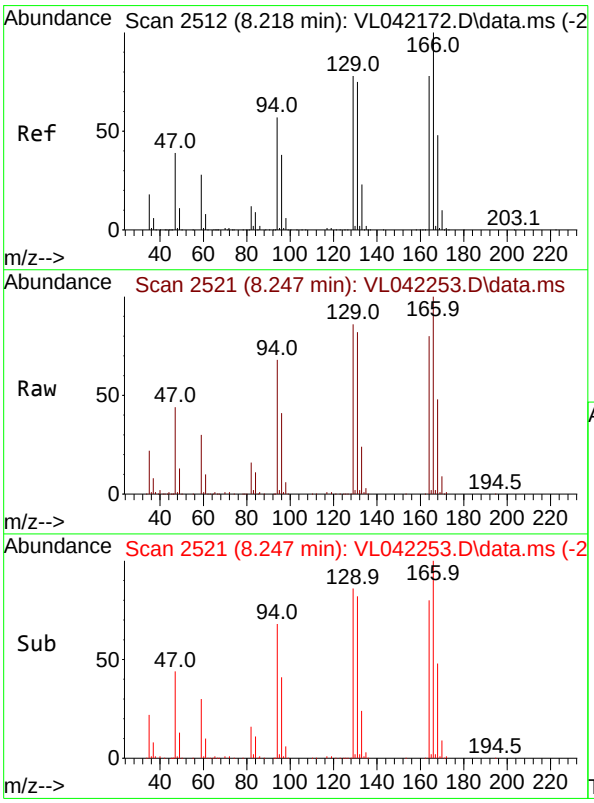
#51
2-Hexanone
Concen: 9.266 ppbv
RT: 7.464 min Scan# 2
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 433929

Ion	Ratio	Lower	Upper
43	100		
58	46.9	39.7	59.5
98	0.8	0.1	0.1#

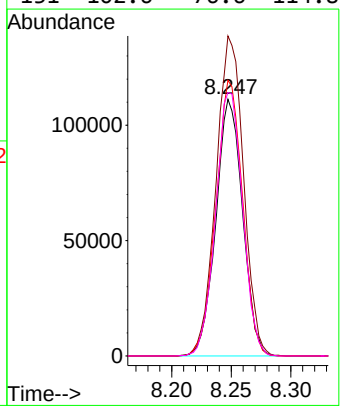


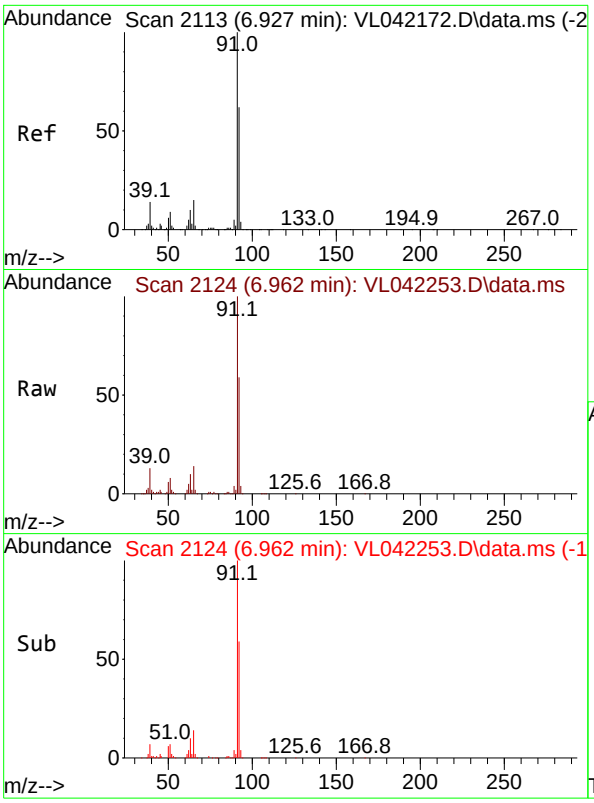


#52
Tetrachloroethene
Concen: 8.862 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:164 Resp: 172915

Ion	Ratio	Lower	Upper
164	100		
166	124.7	102.5	153.7
129	107.4	79.8	119.8
131	102.6	76.6	114.8



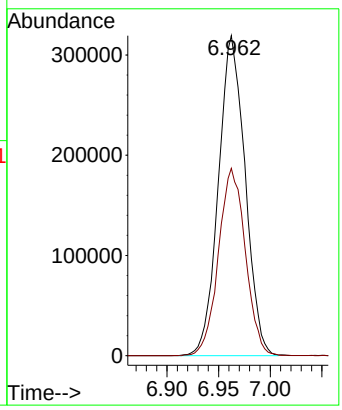


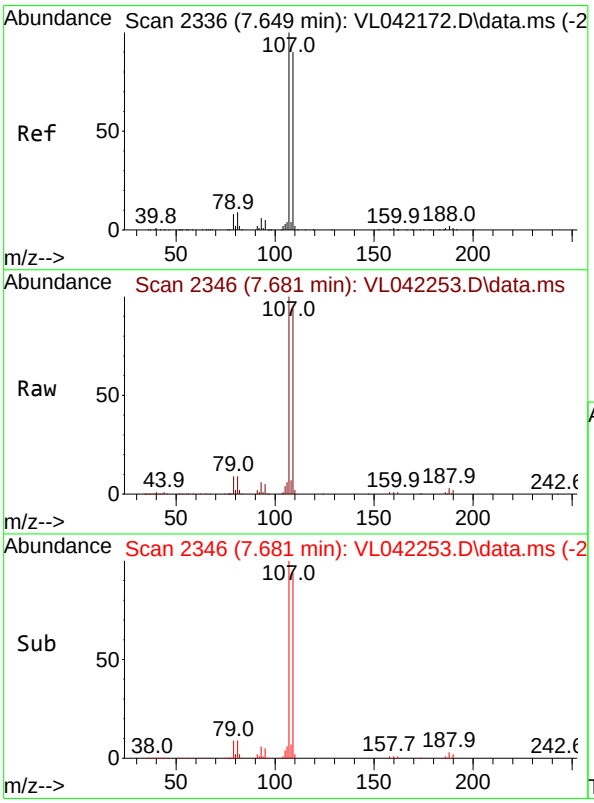
#53
Toluene
Concen: 9.853 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 574664

Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.4	72.6

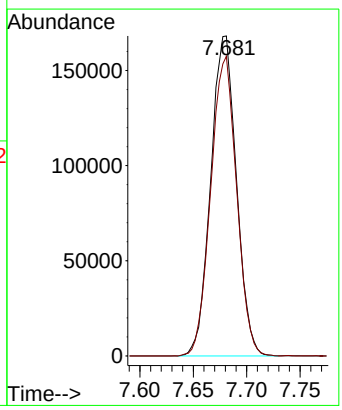


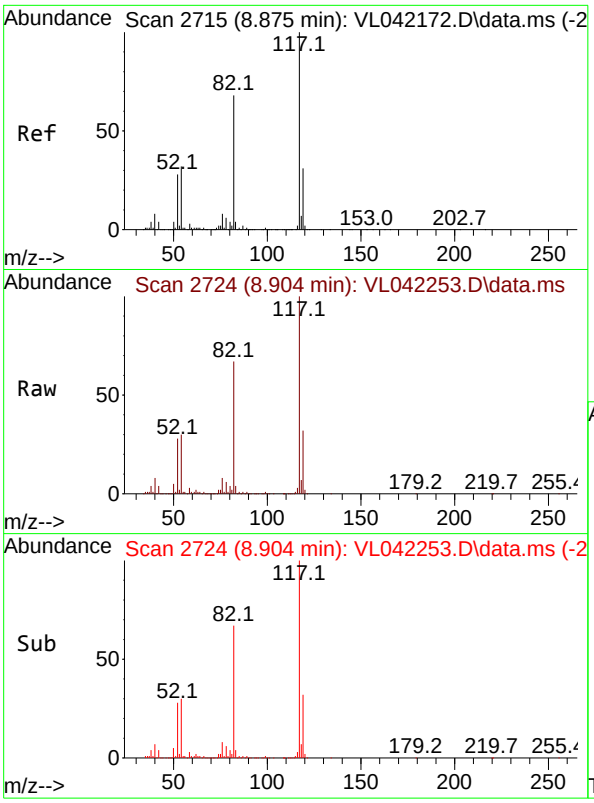


#54
1,2-Dibromoethane
Concen: 10.659 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:107 Resp: 281436

Ion	Ratio	Lower	Upper
107	100		
109	93.6	72.2	108.4



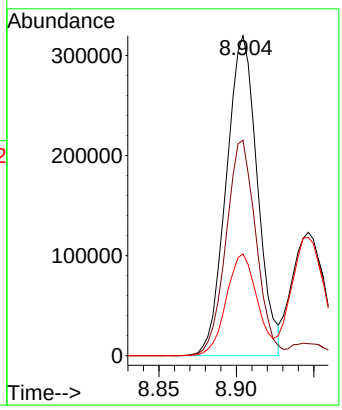


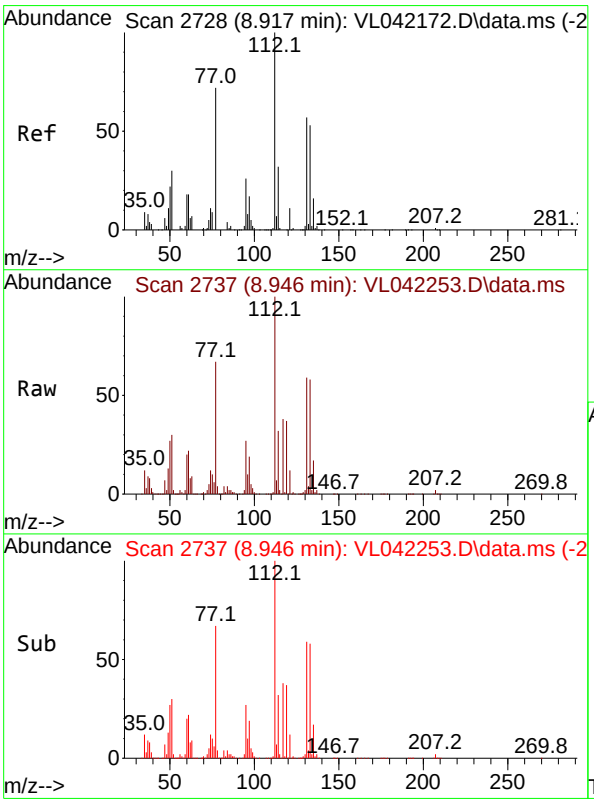
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 446954

Ion	Ratio	Lower	Upper
117	100		
82	69.4	55.8	83.6
119	31.7	25.5	38.3

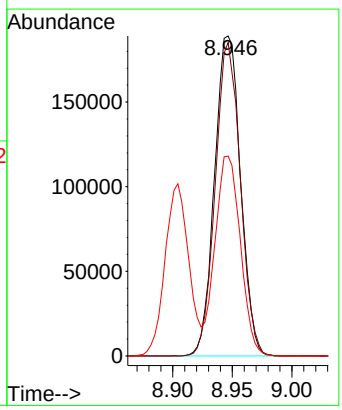


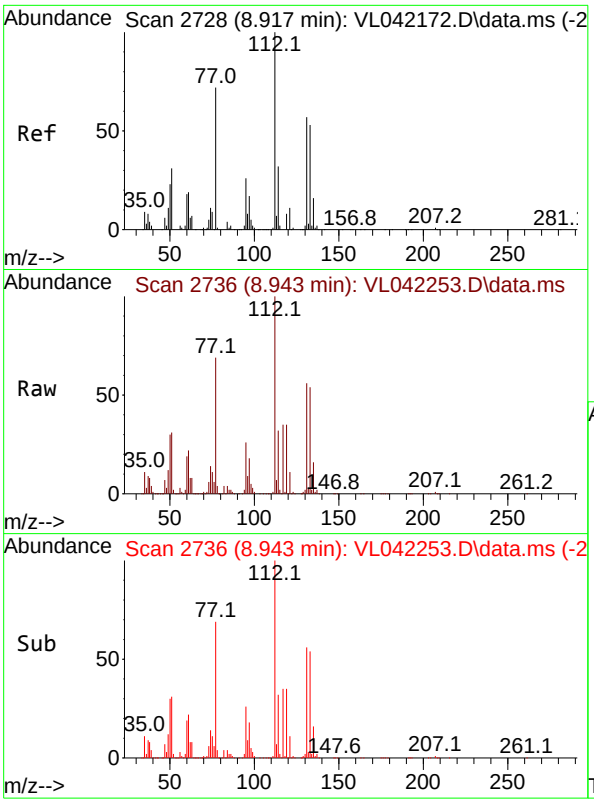


#56
1,1,1,2-Tetrachloroethane
Concen: 11.647 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:131 Resp: 286554

Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.6	114.8
119	62.4	49.8	74.6



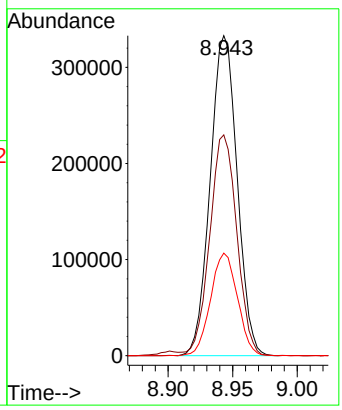


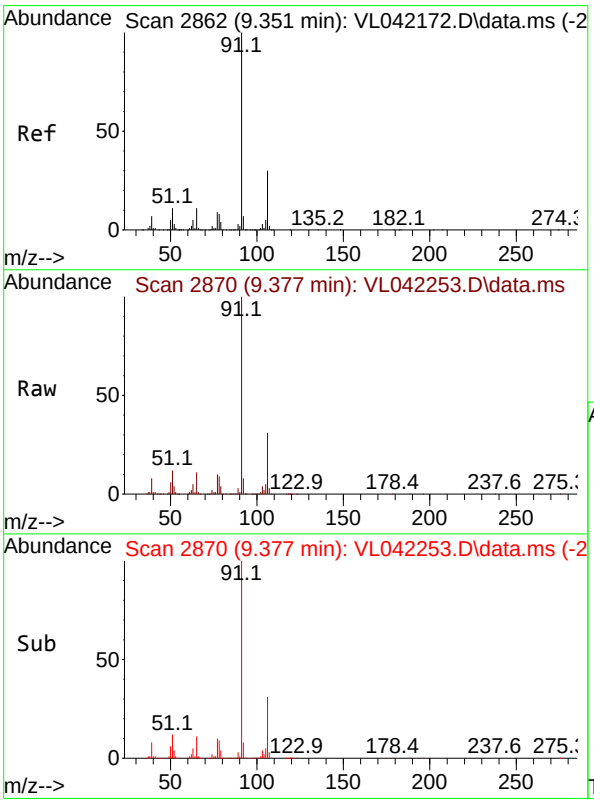
#57
Chlorobenzene
Concen: 11.411 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 483780

Ion	Ratio	Lower	Upper
112	100		
77	69.0	58.2	87.2
114	32.1	29.1	35.5

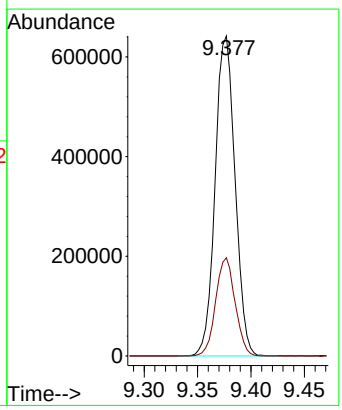


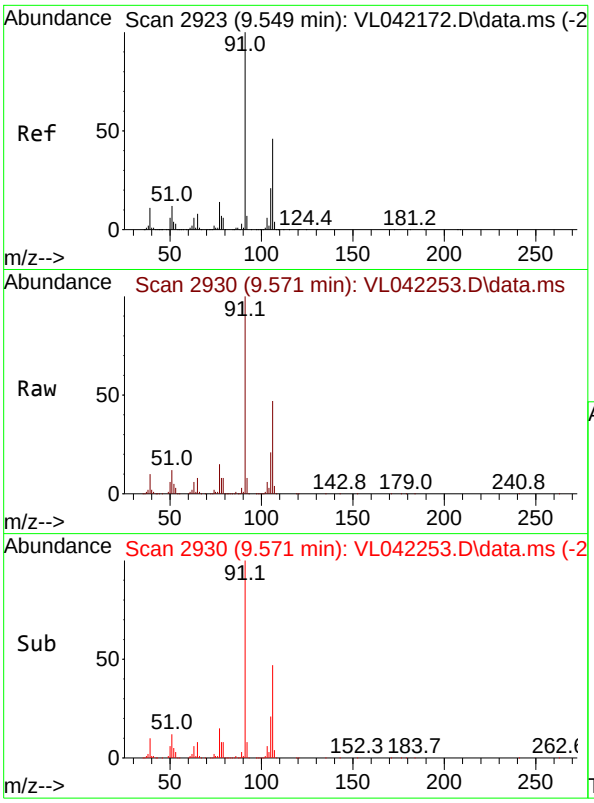


#58
Ethyl Benzene
Concen: 10.479 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 831947

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.2



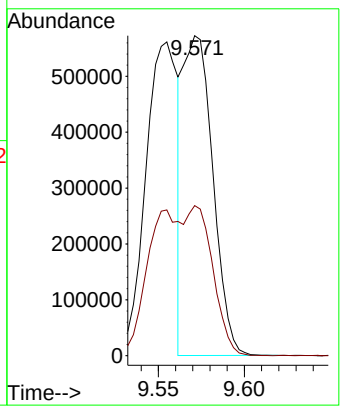


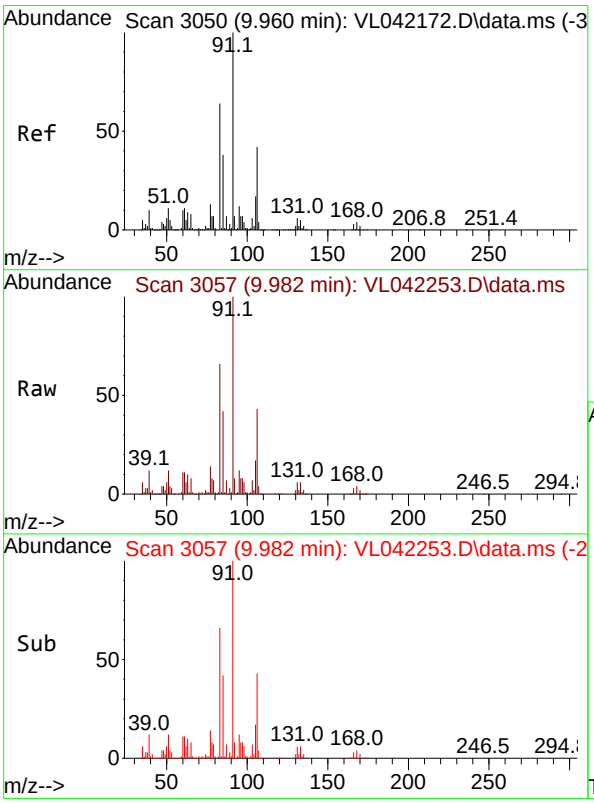
#59
m/p-Xylene
Concen: 10.839 ppbv
RT: 9.571 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 687151

Ion	Ratio	Lower	Upper
91	100		
106	95.4	36.4	54.6#

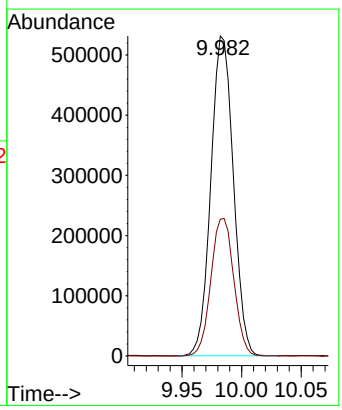


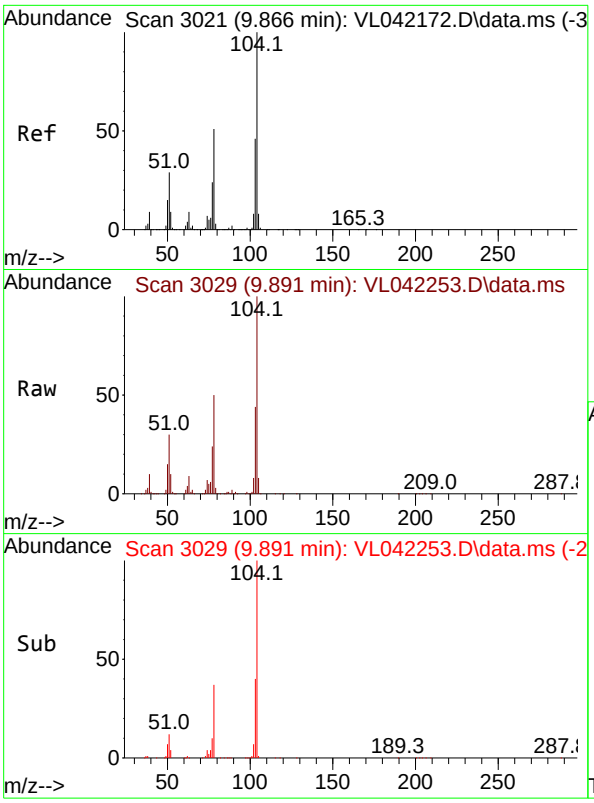


#60
o-Xylene
Concen: 10.958 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 696371

Ion	Ratio	Lower	Upper
91	100		
106	43.8	20.8	62.5



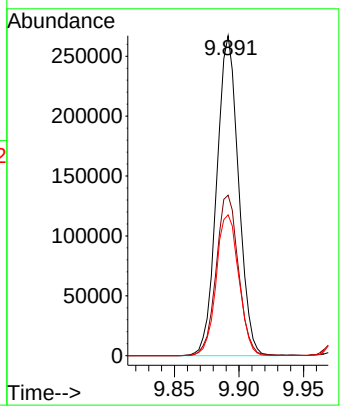


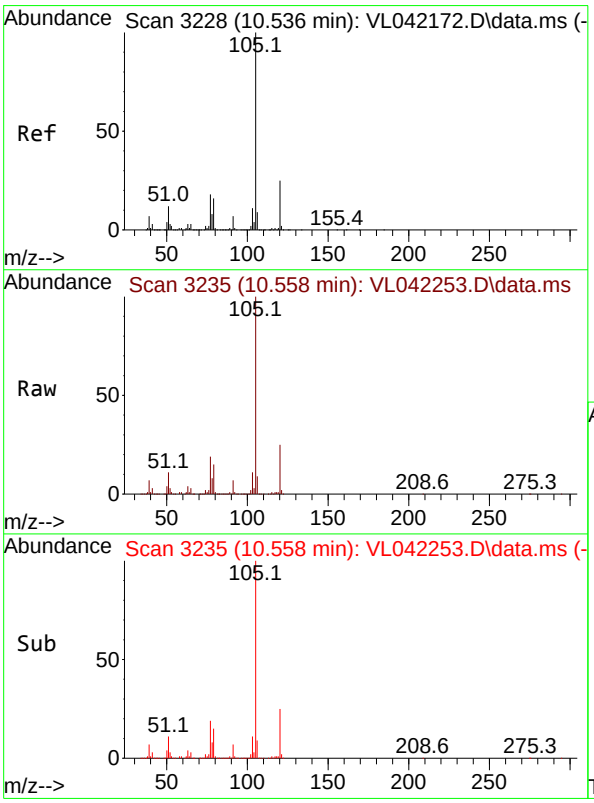
#61
Styrene
Concen: 9.965 ppbv
RT: 9.891 min Scan# 3
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 313307

Ion	Ratio	Lower	Upper
104	100		
78	51.4	41.8	62.6
103	45.8	37.0	55.4

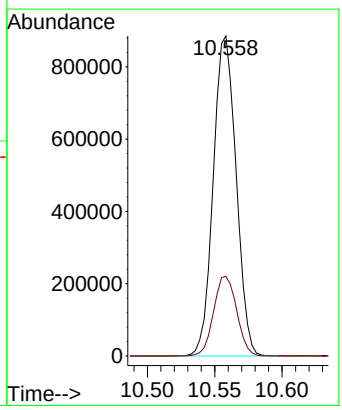


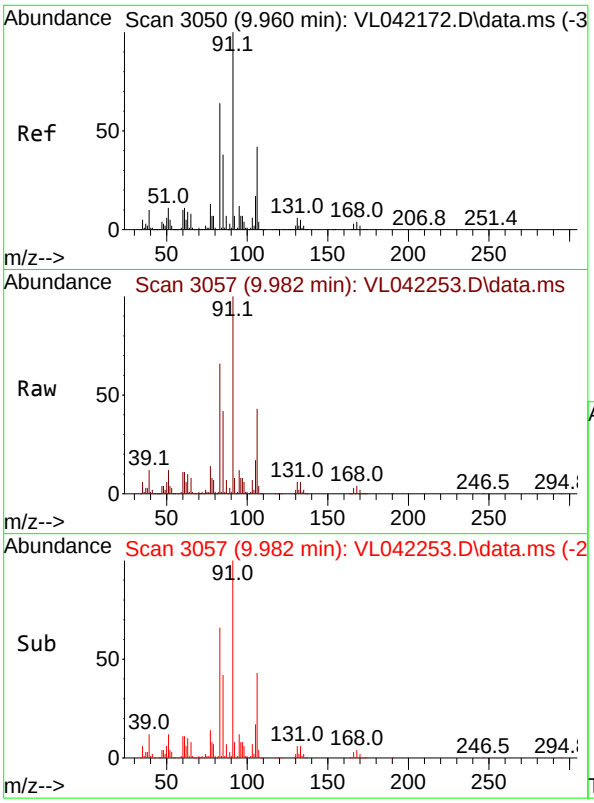


#62
Isopropylbenzene
Concen: 10.988 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 1044218

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.9	29.9



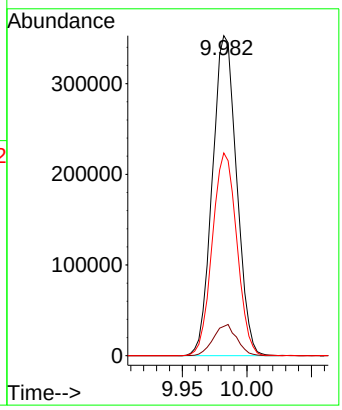


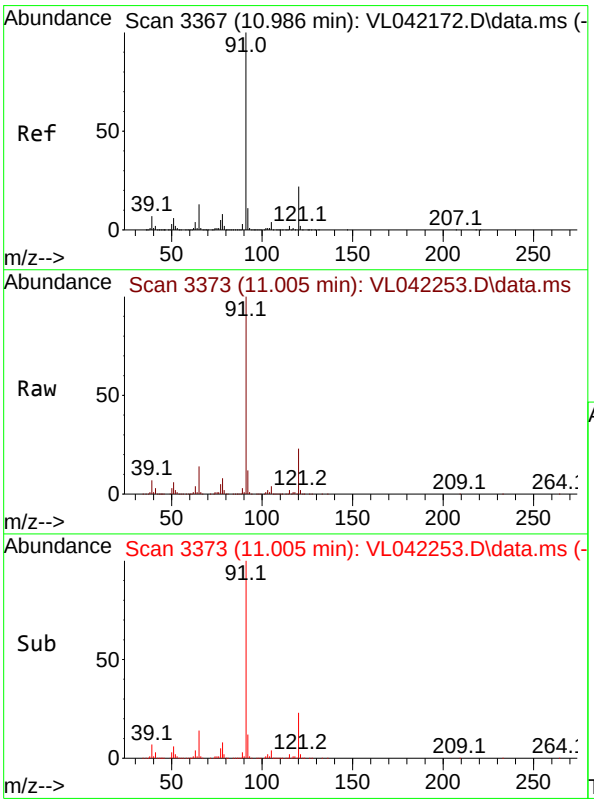
#63
1,1,2,2-Tetrachloroethane
Concen: 11.938 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 460968

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	64.0	32.5	97.5

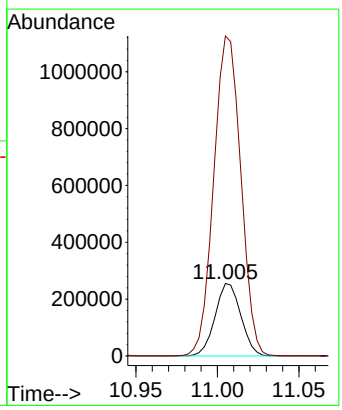


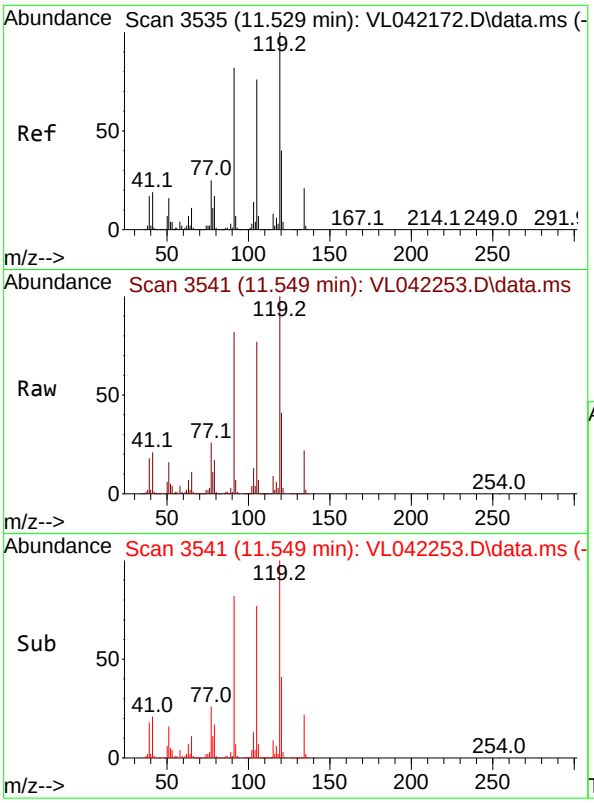


#64
n-propylbenzene
Concen: 11.439 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:120 Resp: 279848

Ion	Ratio	Lower	Upper
120	100		
91	464.8	376.9	565.3



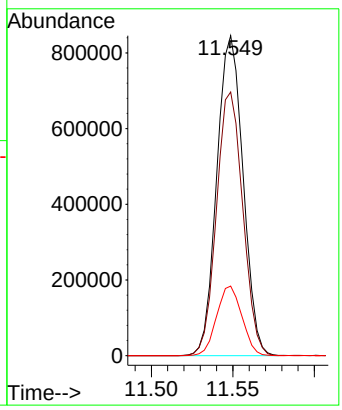


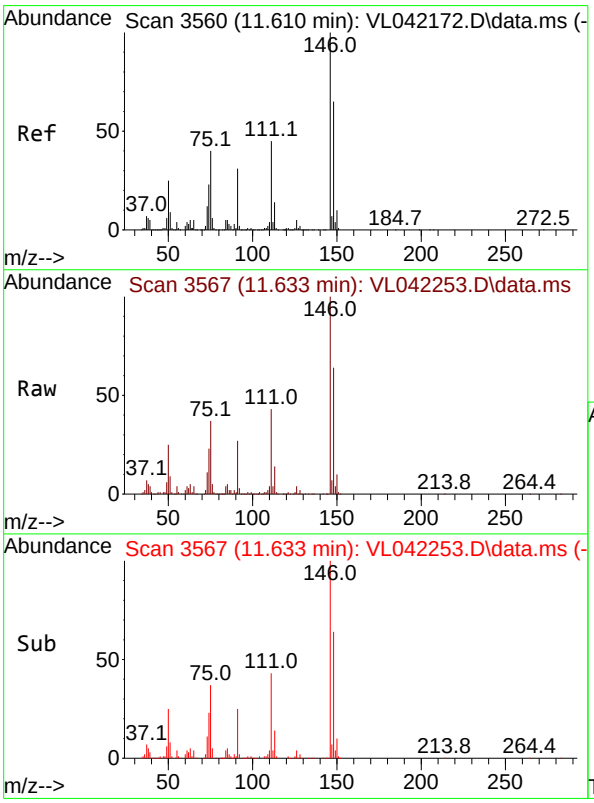
#65
tert-Butylbenzene
Concen: 10.755 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 945232

Ion	Ratio	Lower	Upper
119	100		
91	82.7	66.0	99.0
134	21.0	16.7	25.1

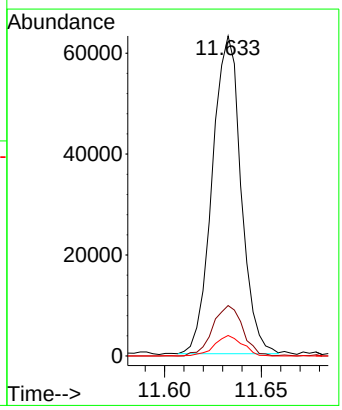


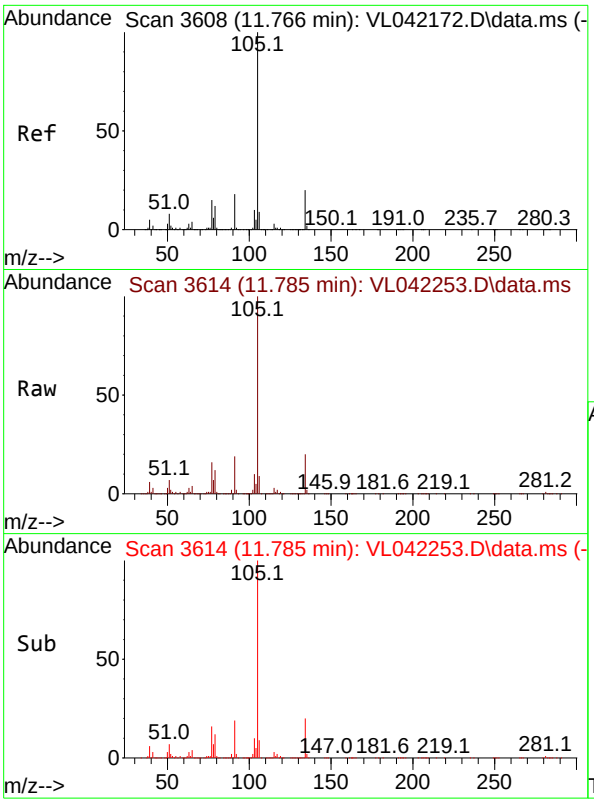


#66
Benzyl Chloride
Concen: 6.992 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 65203

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.8	20.6
128	6.3	4.5	6.7



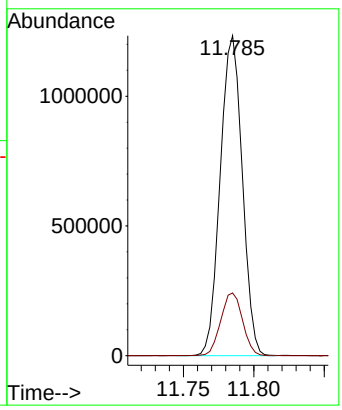


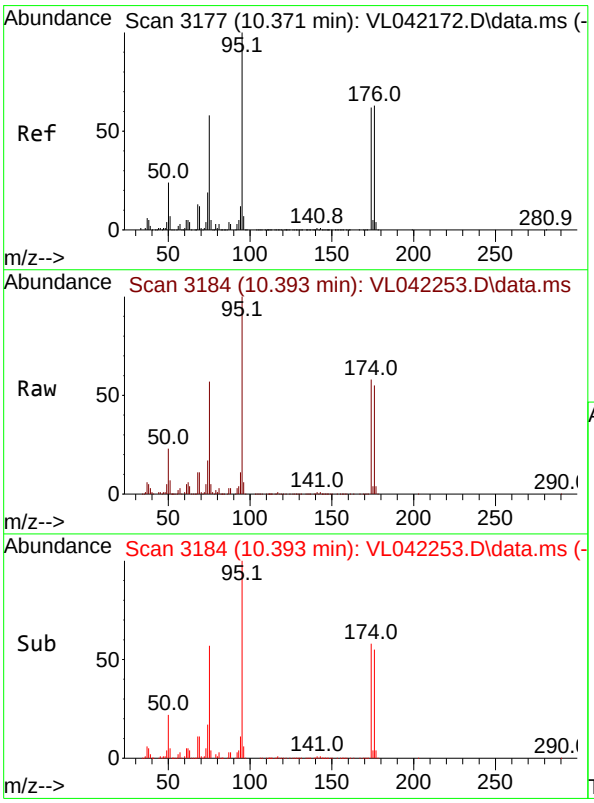
#67
sec-Butylbenzene
Concen: 10.994 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 1343060

Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

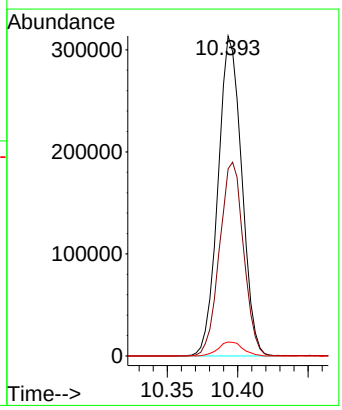


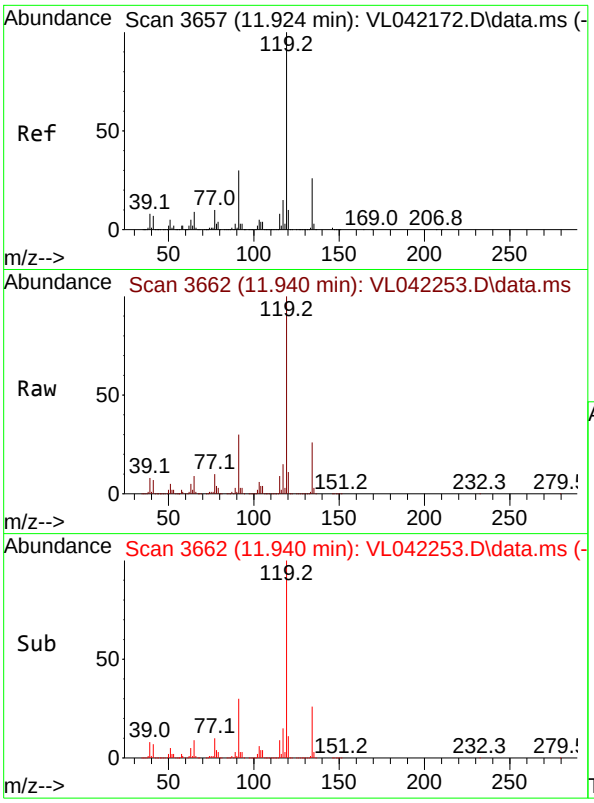


#68
1-Bromo-4-Fluorobenzene
Concen: 9.991 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 95 Resp: 366722

Ion	Ratio	Lower	Upper
95	100		
174	61.7	50.6	76.0
175	4.5	3.8	5.6



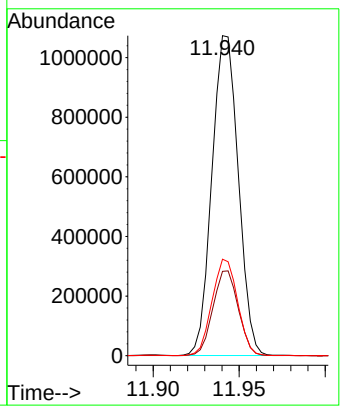


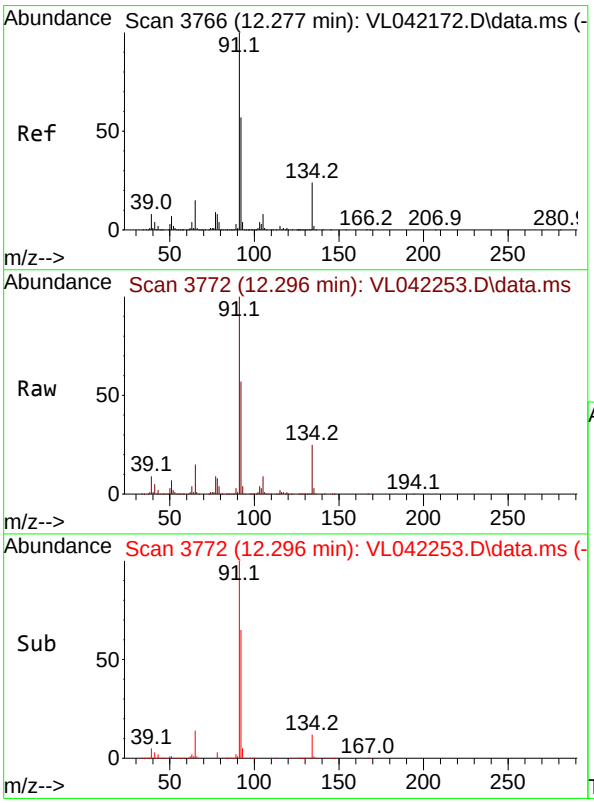
#69
p-Isopropyltoluene
Concen: 10.882 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 1144759

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.4	30.6
91	29.3	23.7	35.5

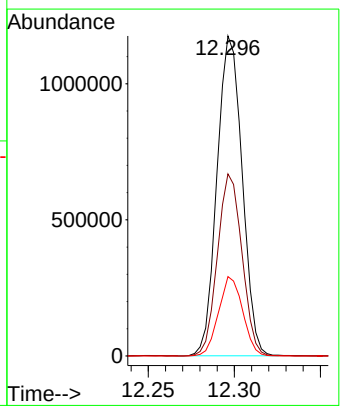


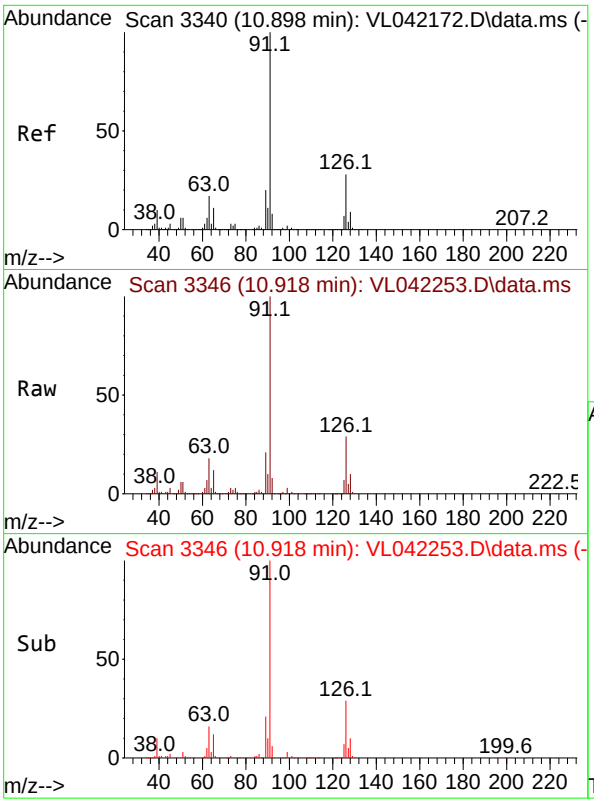


#70
n-Butylbenzene
Concen: 11.103 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 1194481

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.9	67.3
134	23.8	19.2	28.8



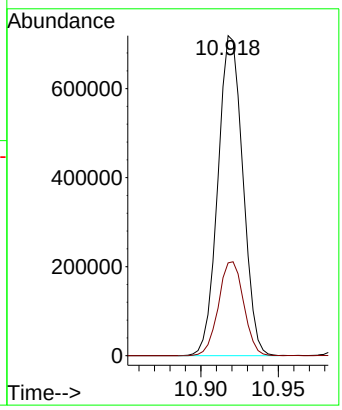


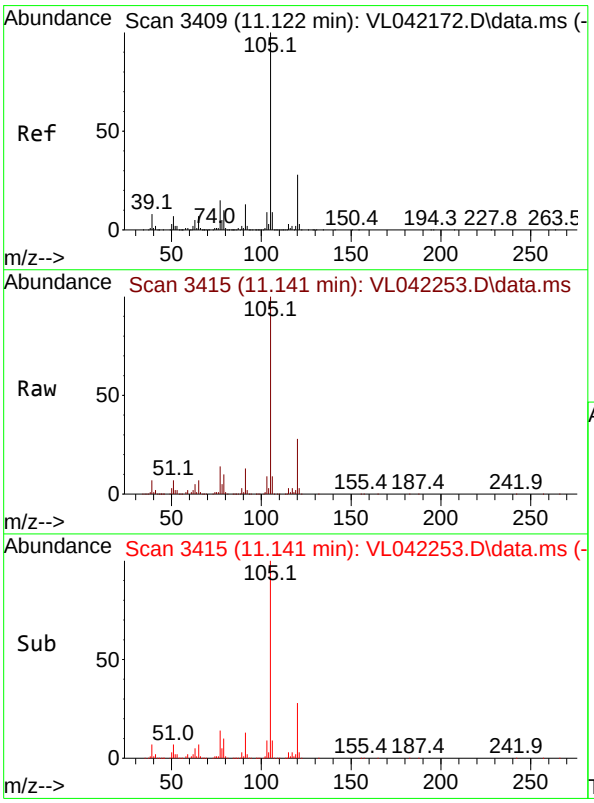
#71
2-Chlorotoluene
Concen: 10.935 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 806572

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.6	46.4

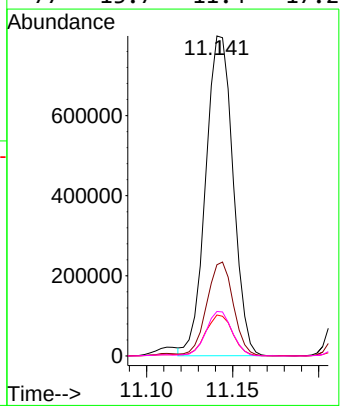


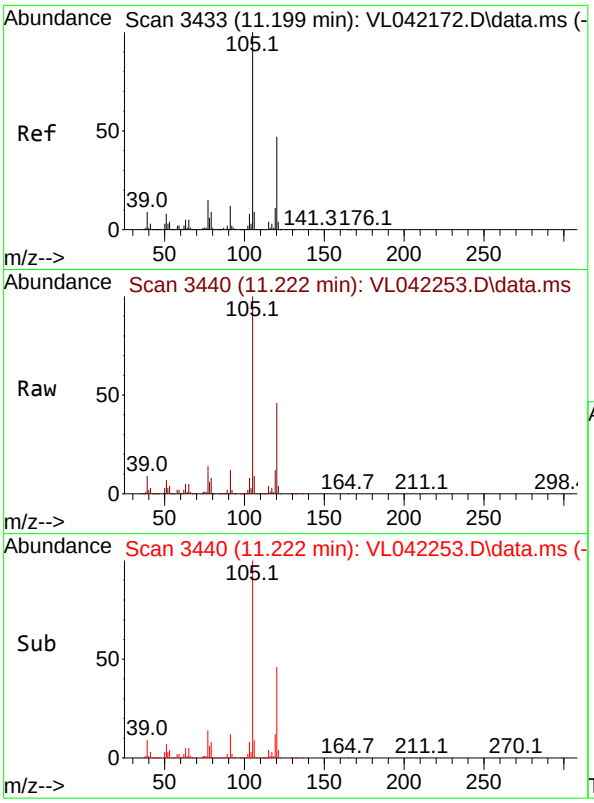


#72
4-Ethyltoluene
Concen: 11.190 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 885452

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.4	35.0
91	13.2	10.3	15.5
77	13.7	11.4	17.2



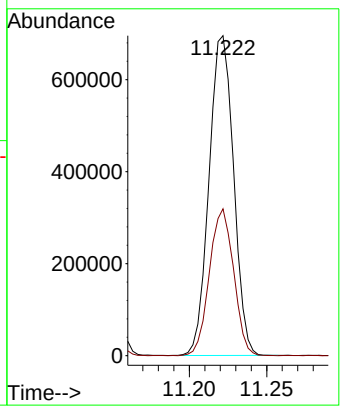


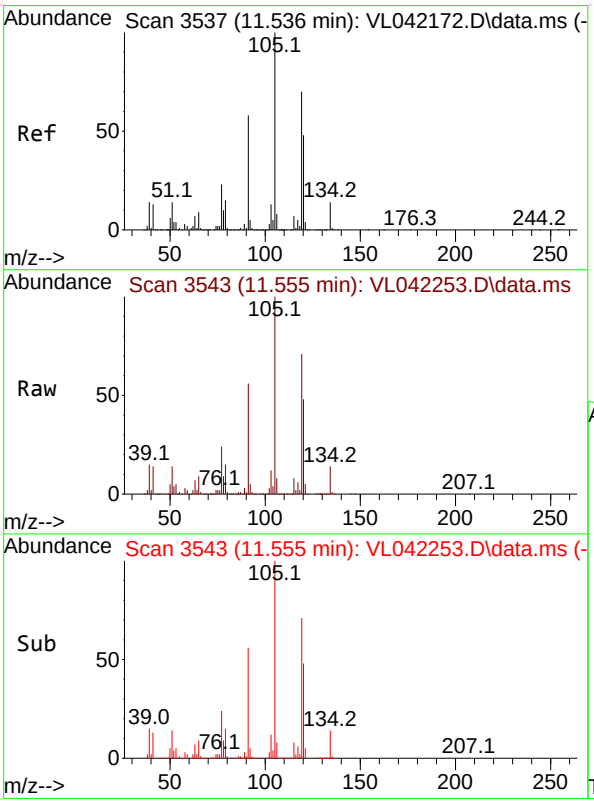
#73
1,3,5-Trimethylbenzene
Concen: 11.080 ppbv
RT: 11.222 min Scan# 34
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 765708

Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.4	56.0

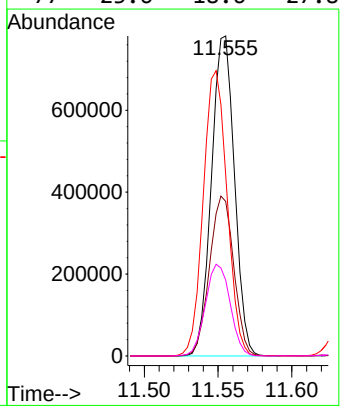


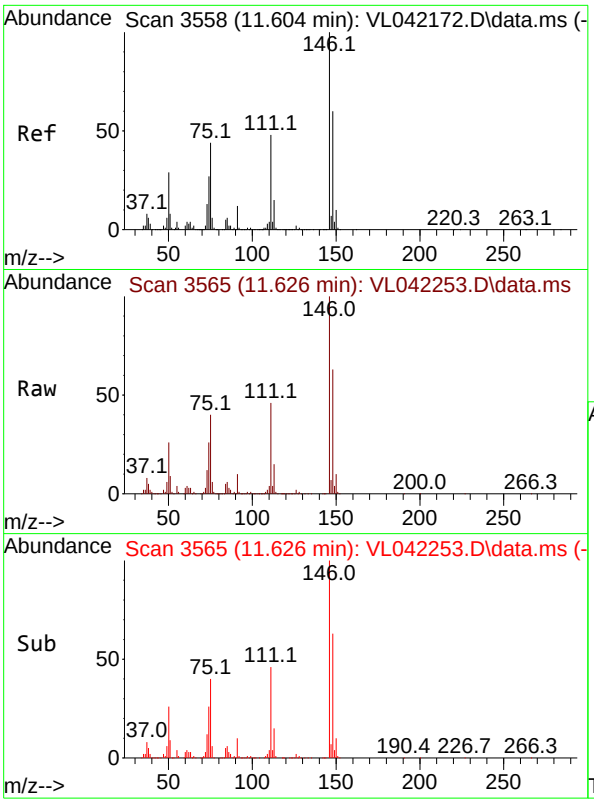


#74
1,2,4-Trimethylbenzene
Concen: 10.660 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 848667

Ion	Ratio	Lower	Upper
105	100		
120	48.3	38.6	58.0
91	56.4	46.2	69.2
77	23.6	18.6	27.8



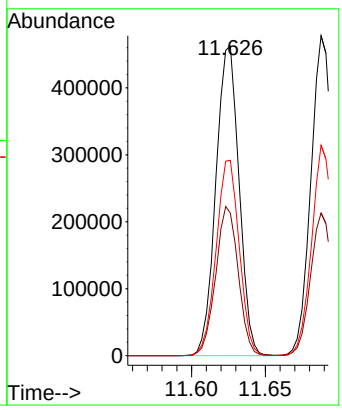


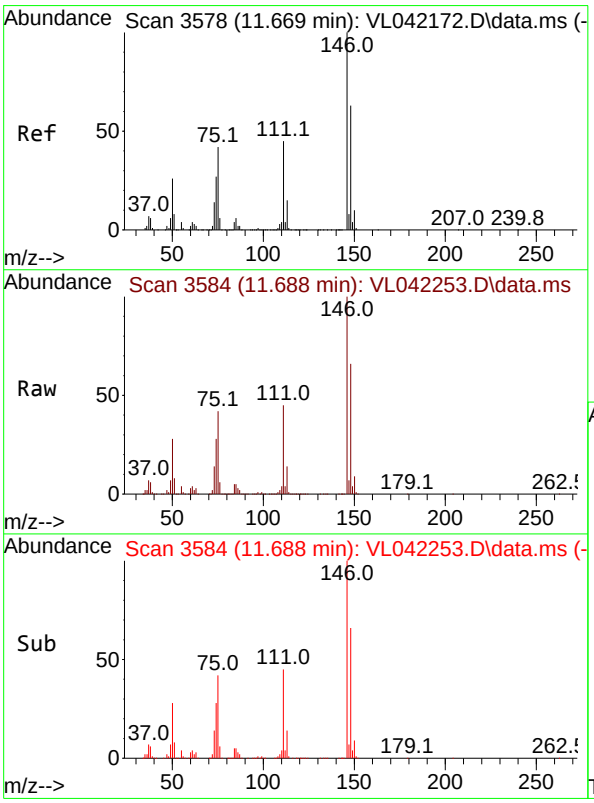
#75
1,3-Dichlorobenzene
Concen: 11.584 ppbv
RT: 11.626 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 505824

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.8	71.2
148	62.9	31.9	95.9

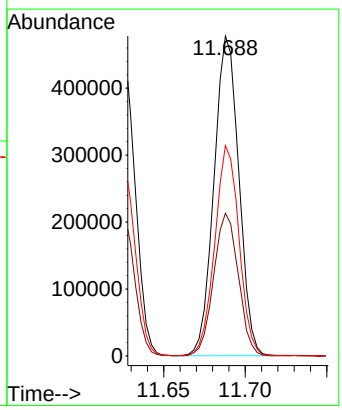


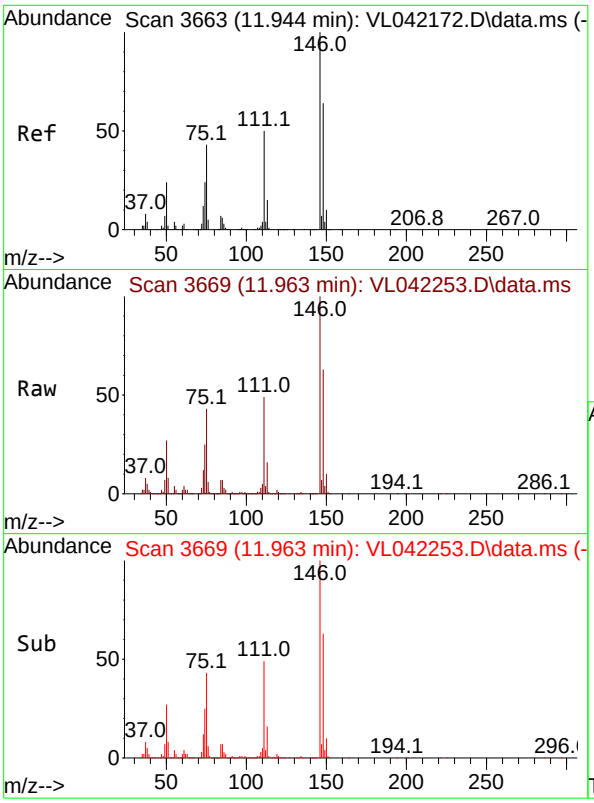


#76
1,4-Dichlorobenzene
Concen: 11.634 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:146 Resp: 505562

Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.0	69.0
148	64.5	31.9	95.7



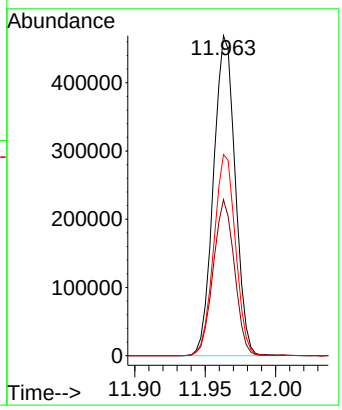


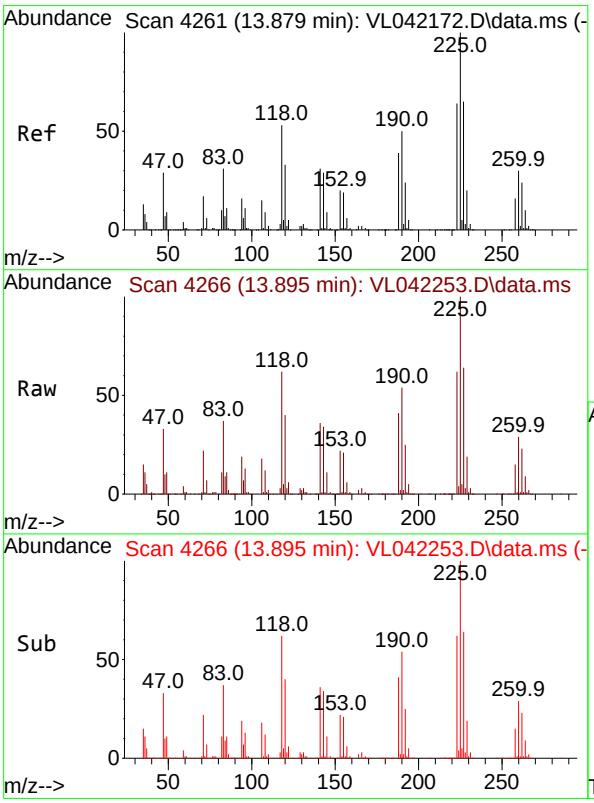
#77
1,2-Dichlorobenzene
Concen: 11.837 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 503274

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.8	74.3
148	63.0	31.6	94.8

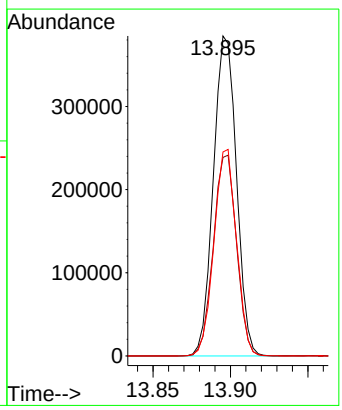


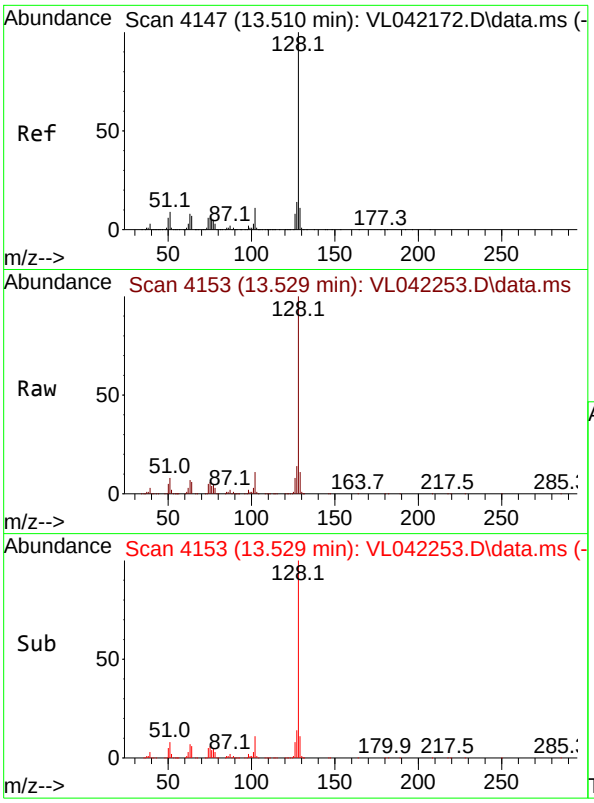


#78
Hexachloro-1,3-Butadiene
Concen: 9.223 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:225 Resp: 399147

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	62.9	51.2	76.8



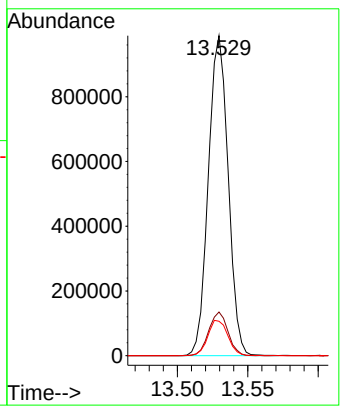


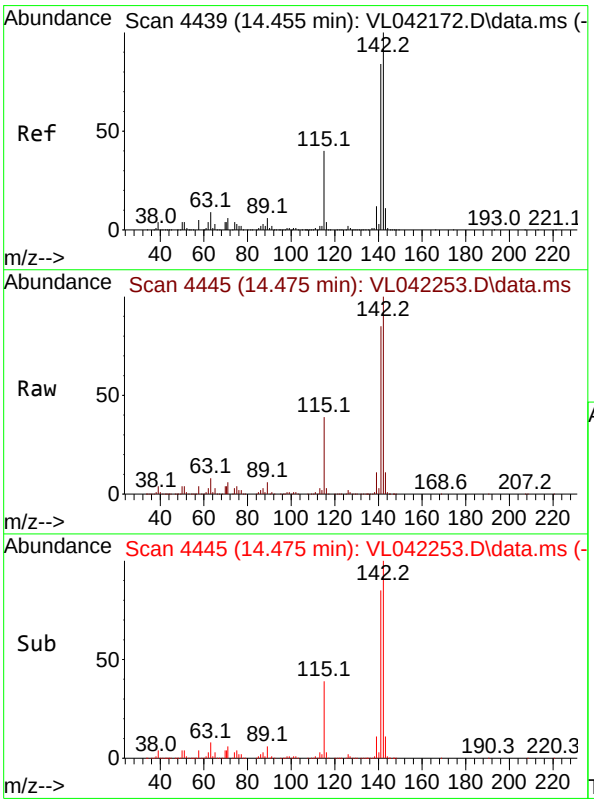
#79
Naphthalene
Concen: 11.108 ppbv
RT: 13.529 min Scan# 4
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 967317

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.8	16.2
129	10.8	9.0	13.4

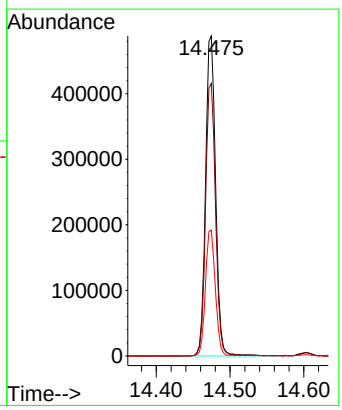


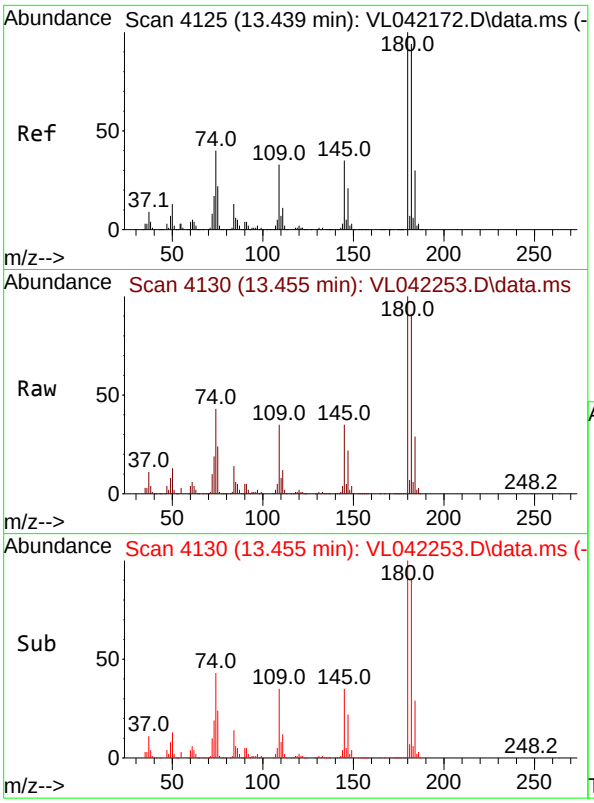


#80
Naphthalene,2-methyl-
Concen: 10.723 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:142 Resp: 457943

Ion	Ratio	Lower	Upper
142	100		
141	85.5	66.3	99.5
115	39.3	31.6	47.4



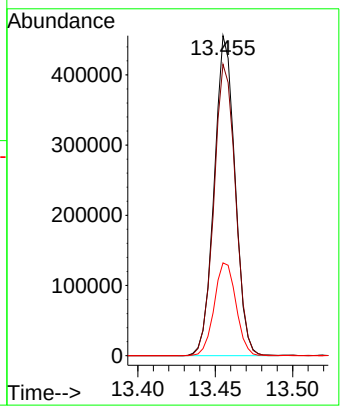


#81
1,2,4-Trichlorobenzene
Concen: 10.592 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 425466

Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.1	112.7
184	30.4	24.4	36.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042255.D
Acq On : 08 Apr 2025 10:05
Operator : SY/MD
Sample : VL0408ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Quant Time: Apr 09 01:51:57 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	2.803	49	190420	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	494678	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	447066	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	367418	10.008	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	273062	9.712	ppbv	99
3) Chlorodifluoromethane	1.483	51	292844	10.196	ppbv	100
4) Chloromethane	1.538	50	112659	9.805	ppbv	100
5) Vinyl Chloride	1.586	62	103863	8.530	ppbv	96
6) Bromomethane	1.674	94	45172	8.675	ppbv	97
7) Chloroethane	1.713	64	42251	9.161	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	232959	9.730	ppbv	93
9) Propene	1.489	41	111408	8.462	ppbv	99
10) Heptane	5.011	43	333061	9.511	ppbv	99
11) Trichlorofluoromethane	1.887	101	263188	9.620	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.150	101	211536	9.407	ppbv	98
13) Ethanol	1.729	45	6066	4.874	ppbv	82
14) Bromoethene	1.790	108	74695	8.671	ppbv	98
15) Acetone	1.842	43	235954	8.860	ppbv	95
16) 1,3-Butadiene	1.615	39	115796	8.904	ppbv	95
17) tert-Butyl alcohol	2.049	59	277654	8.371	ppbv	98
18) 1,1-Dichloroethene	2.043	96	93164	8.862	ppbv	97
19) Isopropyl Alcohol	1.894	45	129418	8.613	ppbv #	34
20) Methylene Chloride	2.072	84	83277	8.396	ppbv	95
21) Allyl Chloride	2.107	41	171013	9.105	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	106692	8.782	ppbv	93
23) Vinyl Acetate	2.476	43	98533	8.549	ppbv	97
24) 1,1-Dichloroethane	2.421	63	221032	9.814	ppbv	99
25) Ethyl Acetate	2.852	43	681132	9.854	ppbv	99
26) Hexane	2.842	57	254141	9.519	ppbv	95
27) Carbon Disulfide	2.159	76	258972	9.046	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	141395	8.506	ppbv	96
29) Chloroform	2.865	83	410522	10.507	ppbv	98
30) Cyclohexane	3.878	84	211231	9.112	ppbv	97
31) cis-1,2-Dichloroethene	2.735	61	251202	9.268	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	402513	8.998	ppbv	98
34) 2-Butanone	2.570	43	379327	10.575	ppbv	98
35) Carbon Tetrachloride	3.787	117	418420	10.828	ppbv	99
36) Benzene	3.677	78	518095	10.564	ppbv	98
37) 1,2-Dichloroethane	3.237	62	315190	11.226	ppbv	99
38) Trichloroethene	4.577	130	205867	10.061	ppbv	96
39) 1,2-Dichloropropane	4.341	63	185795	10.403	ppbv	94
40) 1,4-Dioxane	4.613	88	91079	9.608	ppbv #	92
41) Tetrahydrofuran	3.072	42	210024	10.168	ppbv	97
42) Bromodichloromethane	4.519	83	434165	11.217	ppbv	99
43) Methyl Methacrylate	4.910	69	192595	9.277	ppbv	98
44) 2,2,4-Trimethylpentane	4.668	57	886873	10.701	ppbv	98
45) t-1,3-Dichloropropene	6.448	75	184852	8.299	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042255.D
Acq On : 08 Apr 2025 10:05
Operator : SY/MD
Sample : VL0408ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Quant Time: Apr 09 01:51:57 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)
46) cis-1,3-Dichloropropene	5.635	75	249791	9.149	ppbv		97
47) 1,1,2-Trichloroethane	6.613	97	210809	11.166	ppbv		98
48) Dibromochloromethane	7.412	129	348149	10.881	ppbv		99
49) Bromoform	9.503	173	307461	10.703	ppbv		99
50) 4-Methyl-2-Pentanone	5.787	43	543140	9.554	ppbv		97
51) 2-Hexanone	7.461	43	441742	9.463	ppbv	#	95
52) Tetrachloroethene	8.251	164	175587	9.028	ppbv		93
53) Toluene	6.962	91	578261	9.947	ppbv		99
54) 1,2-Dibromoethane	7.678	107	282386	10.730	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.946	131	283080	11.503	ppbv		98
57) Chlorobenzene	8.943	112	481713	11.360	ppbv		98
58) Ethyl Benzene	9.377	91	841166	10.593	ppbv		99
59) m/p-Xylene	9.571	91	695111	10.962	ppbv	#	25
60) o-Xylene	9.982	91	711568	11.194	ppbv		98
61) Styrene	9.888	104	319155	10.149	ppbv		99
62) Isopropylbenzene	10.558	105	1063992	11.193	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.982	83	468851	12.139	ppbv		99
64) n-propylbenzene	11.005	120	284790	11.638	ppbv		97
65) tert-Butylbenzene	11.549	119	976872	11.112	ppbv		99
66) Benzyl Chloride	11.633	91	63988	6.860	ppbv		99
67) sec-Butylbenzene	11.785	105	1377726	11.275	ppbv		99
69) p-Isopropyltoluene	11.940	119	1168405	11.104	ppbv		99
70) n-Butylbenzene	12.296	91	1217247	11.312	ppbv		99
71) 2-Chlorotoluene	10.918	91	817332	11.078	ppbv		99
72) 4-Ethyltoluene	11.141	105	906994	11.460	ppbv		99
73) 1,3,5-Trimethylbenzene	11.222	105	773328	11.187	ppbv		98
74) 1,2,4-Trimethylbenzene	11.555	105	862179	10.827	ppbv		99
75) 1,3-Dichlorobenzene	11.623	146	512731	11.739	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	505049	11.619	ppbv		99
77) 1,2-Dichlorobenzene	11.963	146	505323	11.883	ppbv		99
78) Hexachloro-1,3-Butadiene	13.899	225	382876	8.845	ppbv		100
79) Naphthalene	13.530	128	875824	10.055	ppbv		99
80) Naphthalene,2-methyl-	14.475	142	291105	6.815	ppbv		100
81) 1,2,4-Trichlorobenzene	13.455	180	388605	9.672	ppbv		98

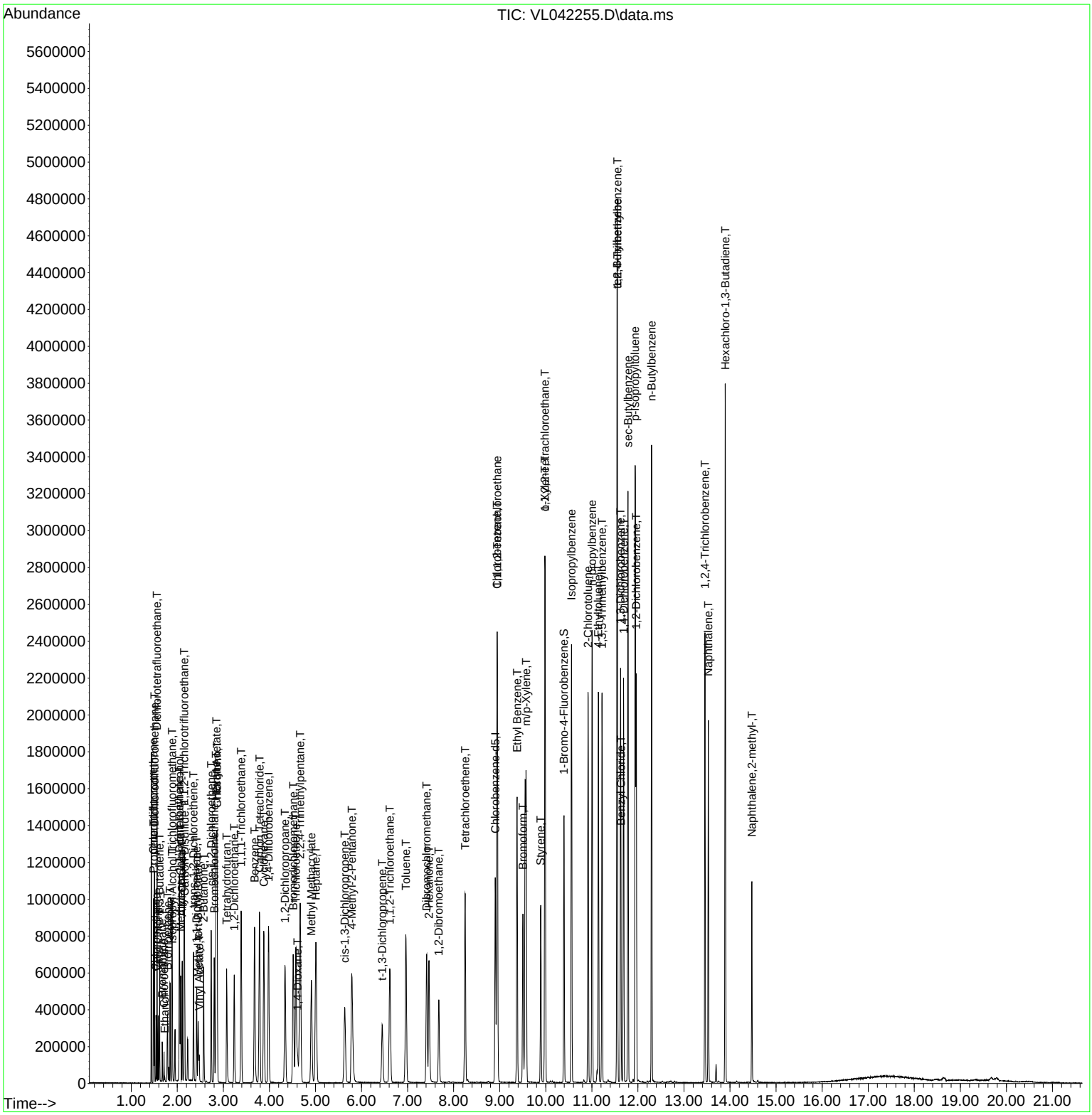
(#) = qualifier out of range (m) = manual integration (+) = signals summed

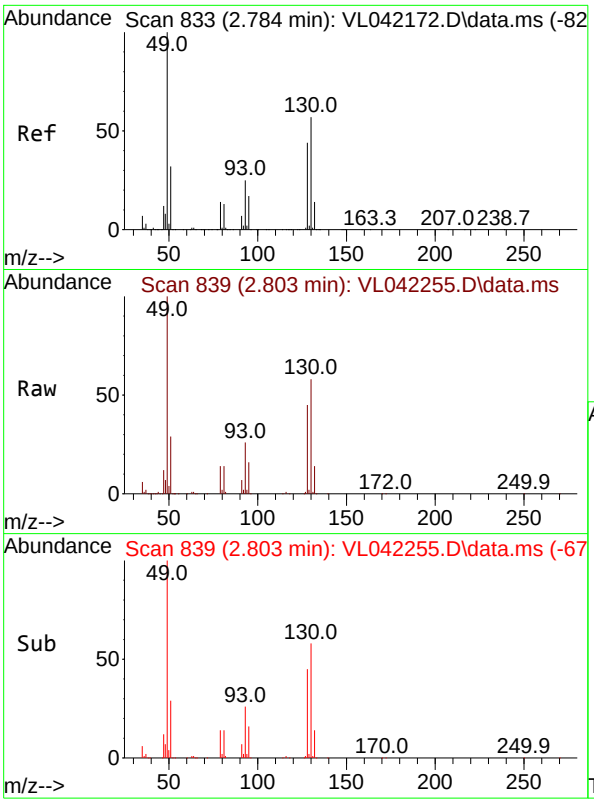
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042255.D
Acq On : 08 Apr 2025 10:05
Operator : SY/MD
Sample : VL0408ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Quant Time: Apr 09 01:51:57 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



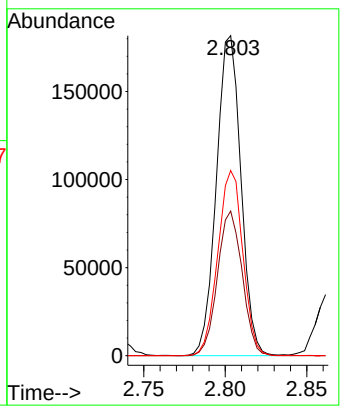


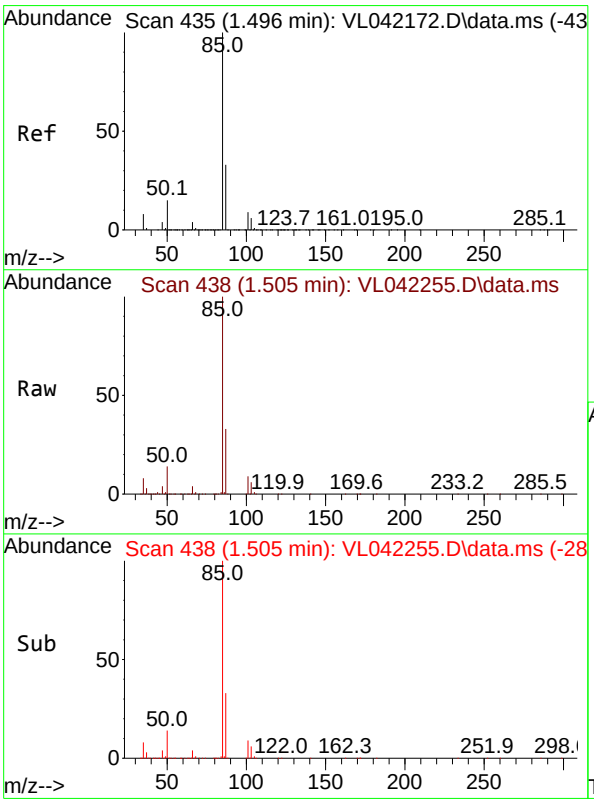
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 49 Resp: 190420

Ion	Ratio	Lower	Upper
49	100		
128	45.4	22.9	68.5
130	58.9	28.8	86.4

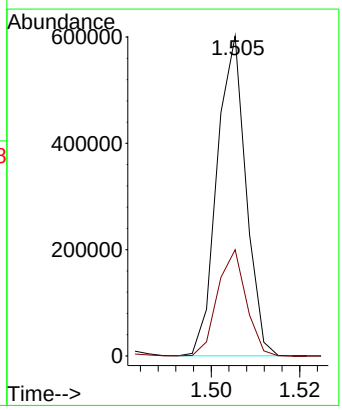


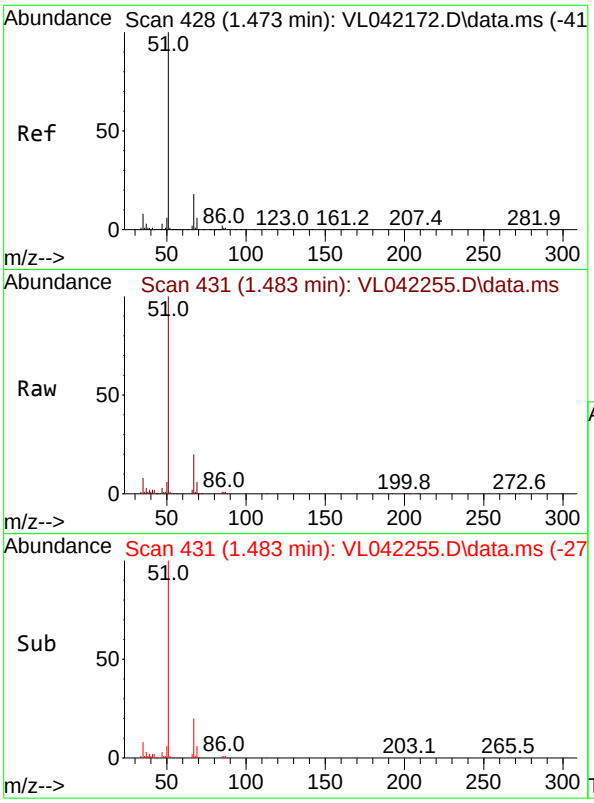


#2
Dichlorodifluoromethane
Concen: 9.712 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 85 Resp: 273062

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.1	39.1



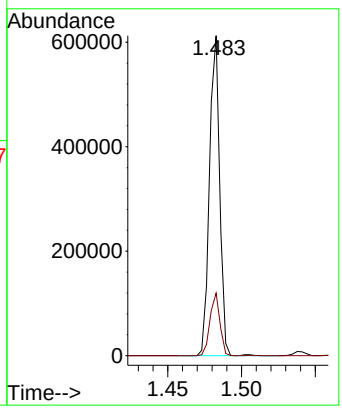


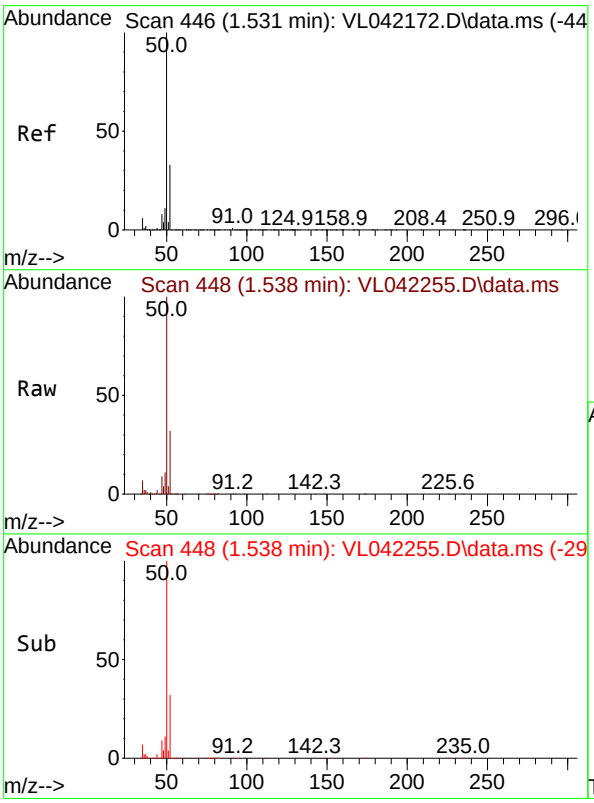
#3
Chlorodifluoromethane
Concen: 10.196 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 51 Resp: 292844

Ion	Ratio	Lower	Upper
51	100		
67	19.0	15.0	22.6

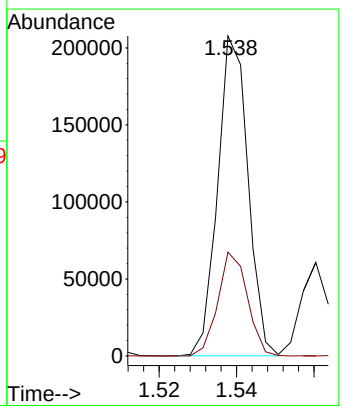


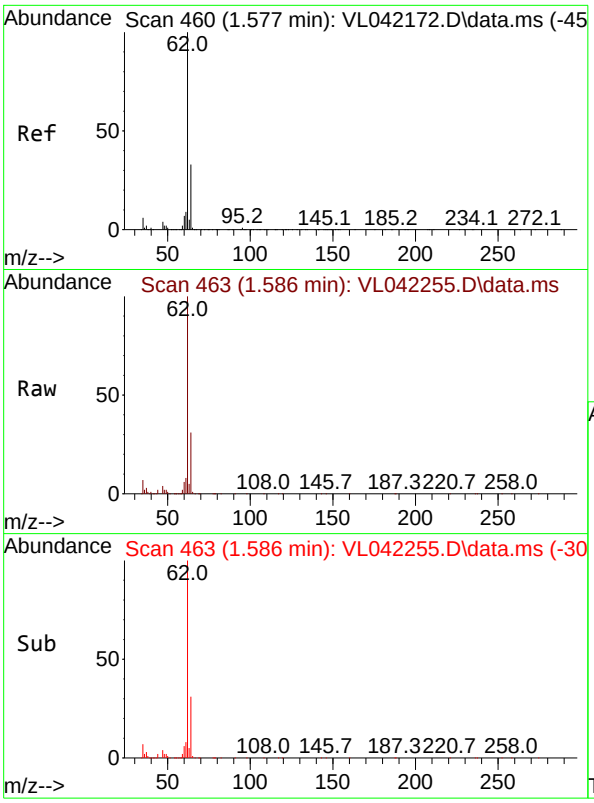


#4
Chloromethane
Concen: 9.805 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 50 Resp: 112659

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.1	39.1



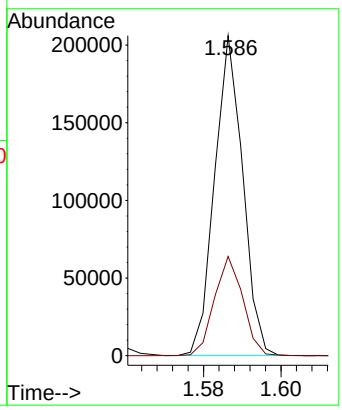


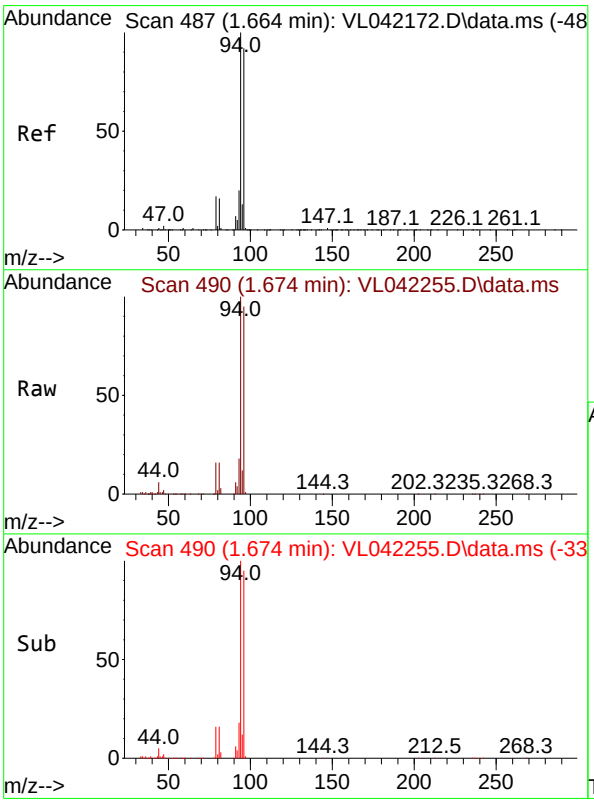
#5
Vinyl Chloride
Concen: 8.530 ppbv
RT: 1.586 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 62 Resp: 103863

Ion	Ratio	Lower	Upper
62	100		
64	30.9	26.6	40.0

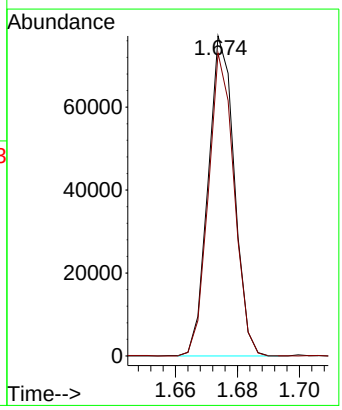


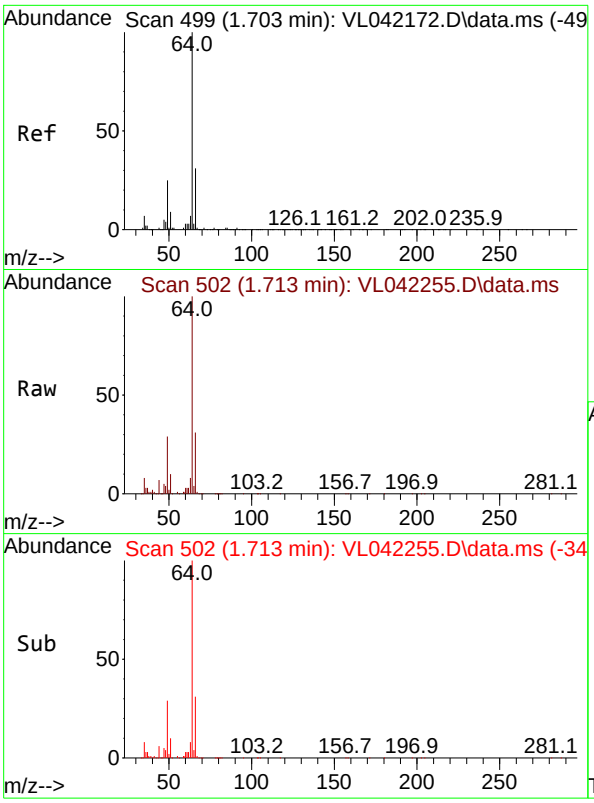


#6
Bromomethane
Concen: 8.675 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 94 Resp: 45172

Ion	Ratio	Lower	Upper
94	100		
96	94.7	73.1	109.7



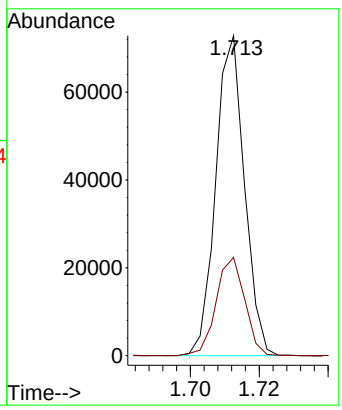


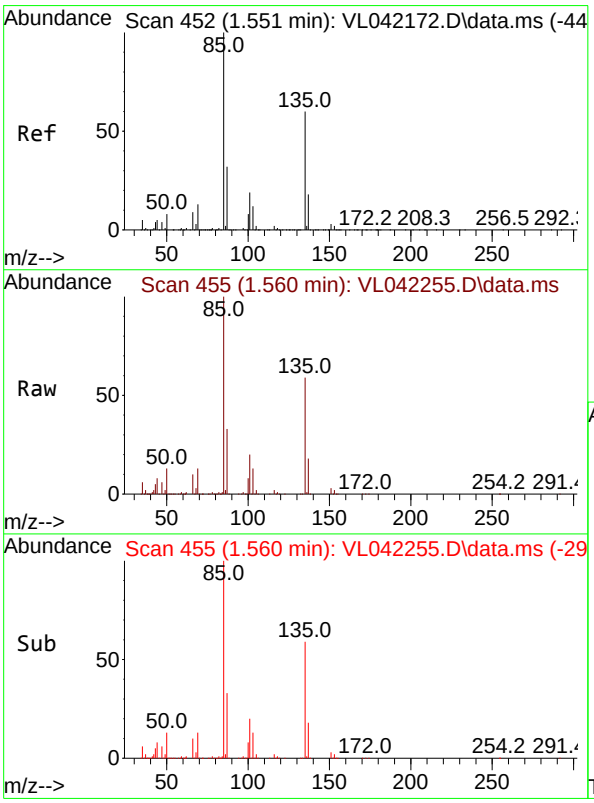
#7
Chloroethane
Concen: 9.161 ppbv
RT: 1.713 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 64 Resp: 42251

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.2	37.8

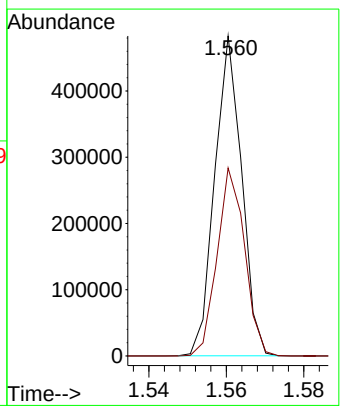


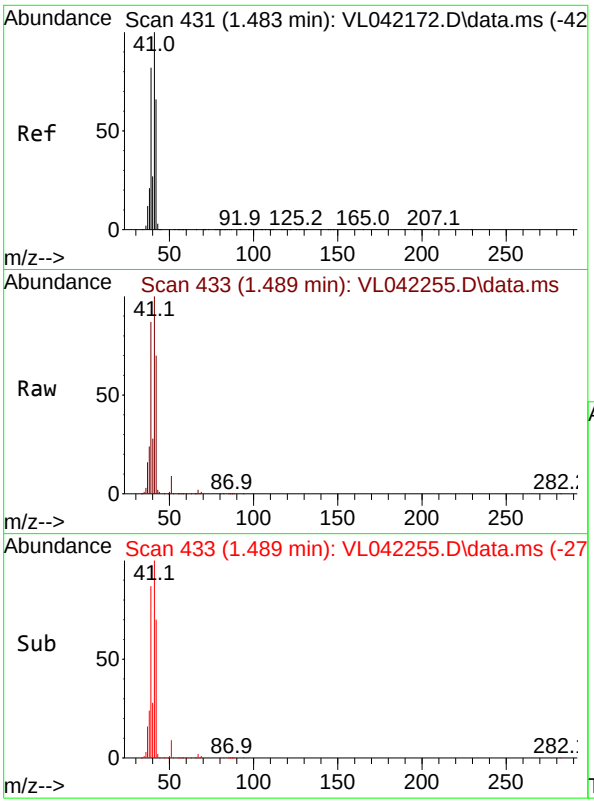


#8
Dichlorotetrafluoroethane
Concen: 9.730 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 85 Resp: 232959

Ion	Ratio	Lower	Upper
85	100		
135	60.1	52.4	78.6



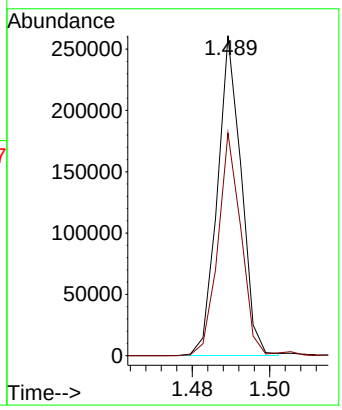


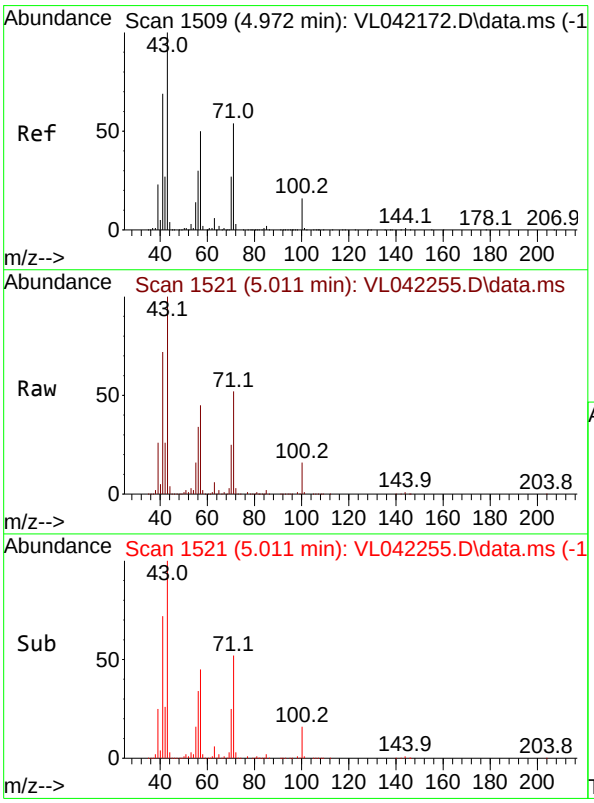
#9
Propene
Concen: 8.462 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 41 Resp: 111408

Ion	Ratio	Lower	Upper
41	100		
42	68.7	55.4	83.2

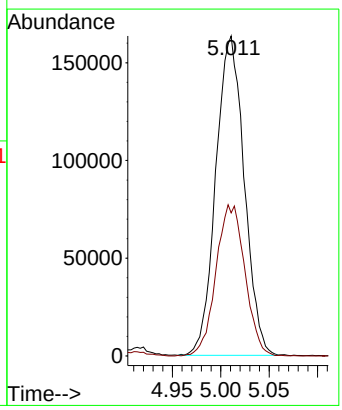


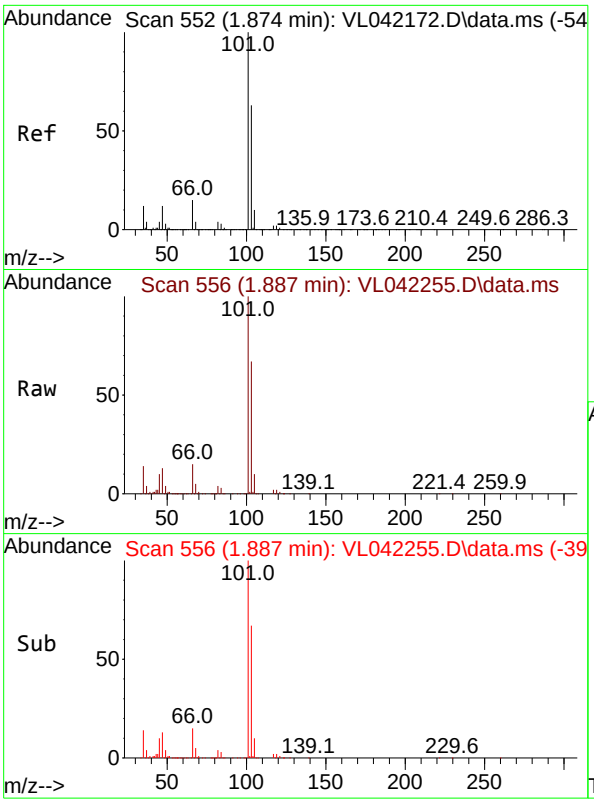


#10
Heptane
Concen: 9.511 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.039 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 333061

Ion	Ratio	Lower	Upper
43	100		
57	48.5	39.4	59.2



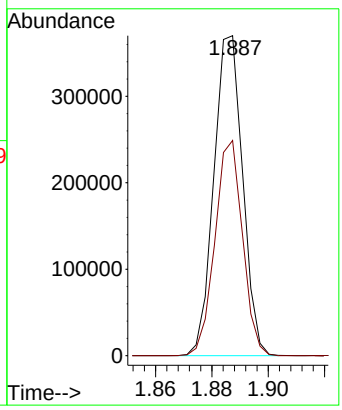


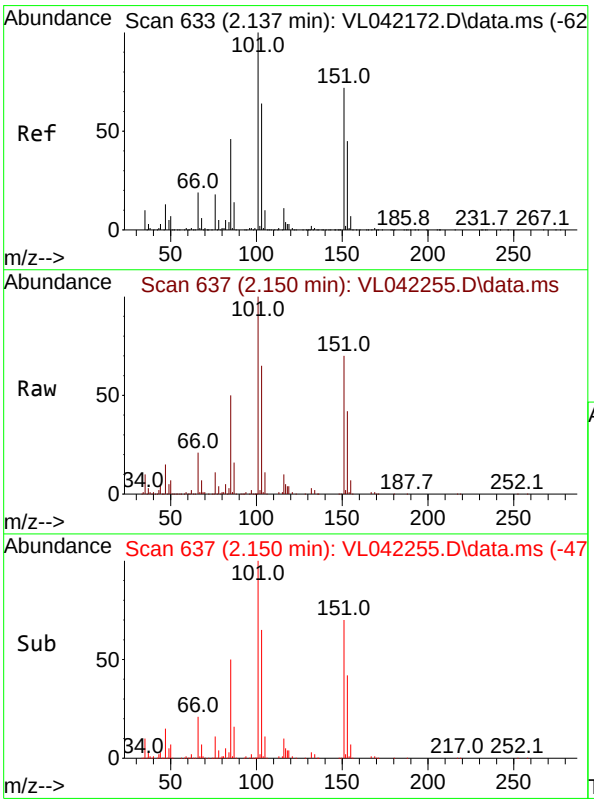
#11
Trichlorofluoromethane
Concen: 9.620 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:101 Resp: 263188

Ion	Ratio	Lower	Upper
101	100		
103	67.2	50.2	75.2

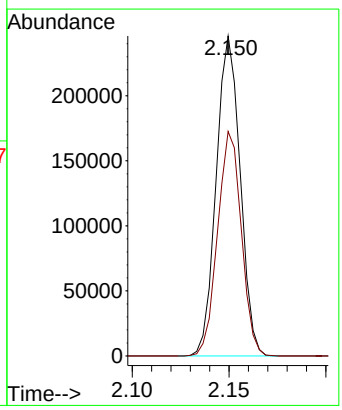


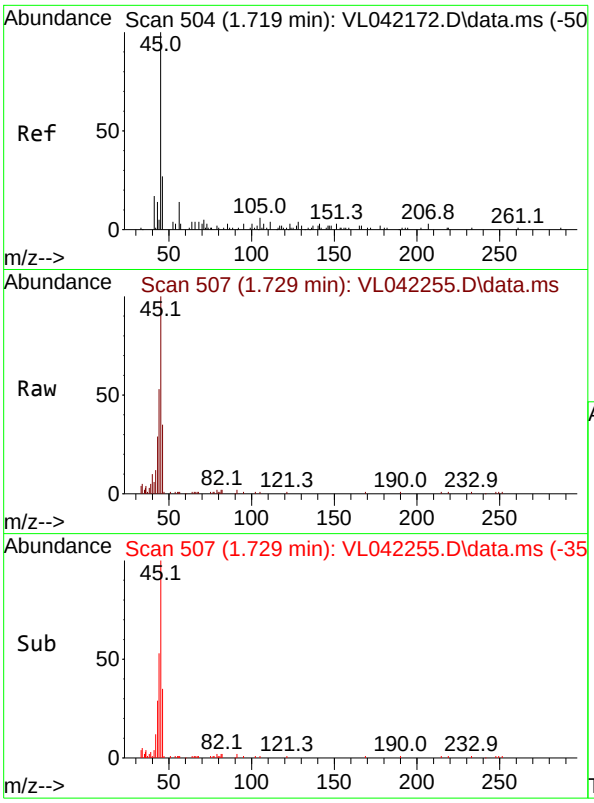


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.407 ppbv
RT: 2.150 min Scan# 637
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:101 Resp: 211536

Ion	Ratio	Lower	Upper
101	100		
151	69.6	57.1	85.7



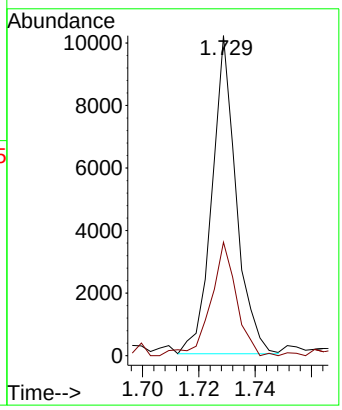


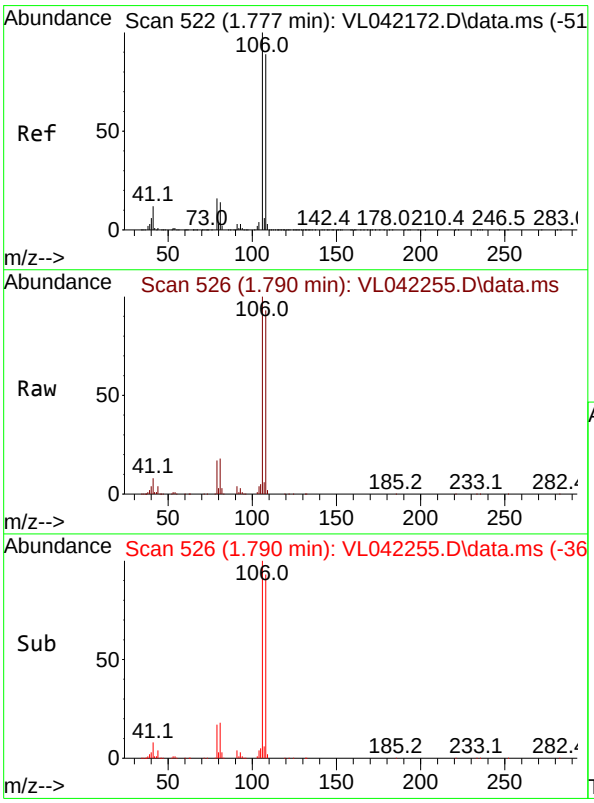
#13
Ethanol
Concen: 4.874 ppbv
RT: 1.729 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 45 Resp: 6066

Ion	Ratio	Lower	Upper
45	100		
46	38.1	20.2	80.8

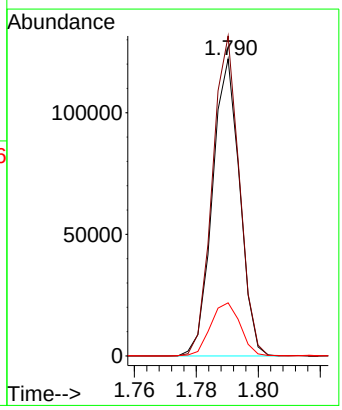


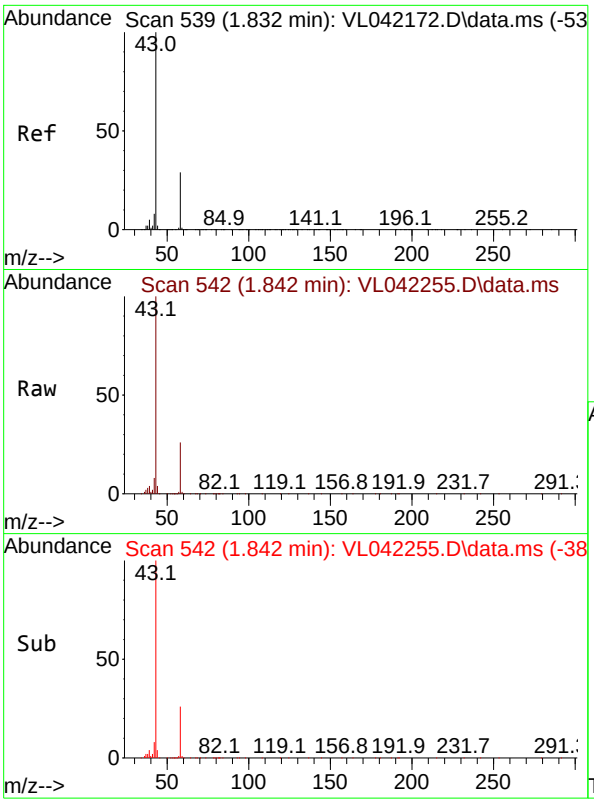


#14
Bromoethene
Concen: 8.671 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:108 Resp: 74695

Ion	Ratio	Lower	Upper
108	100		
106	106.1	86.8	130.2
79	19.5	15.0	22.6



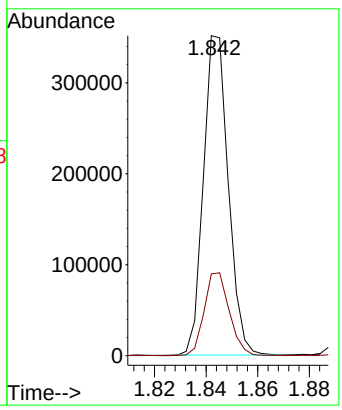


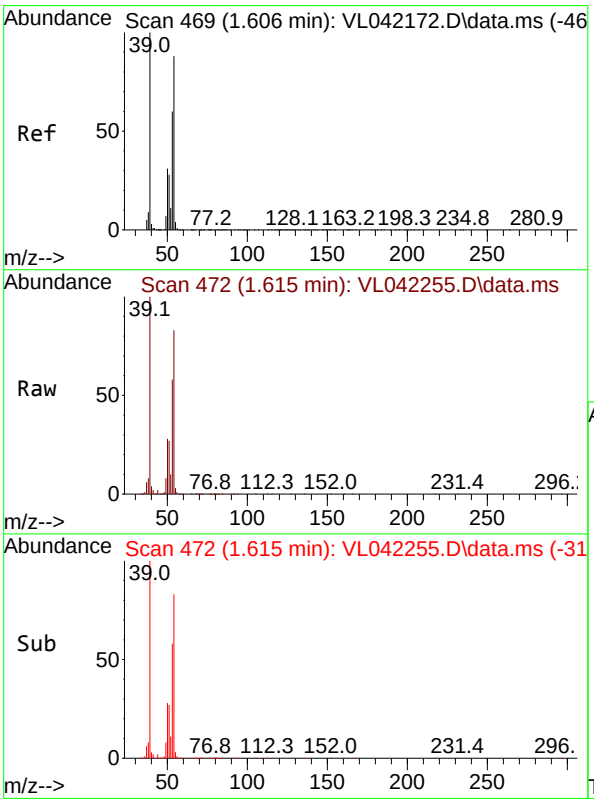
#15
Acetone
Concen: 8.860 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 43 Resp: 235954

Ion	Ratio	Lower	Upper
43	100		
58	26.4	23.2	34.8

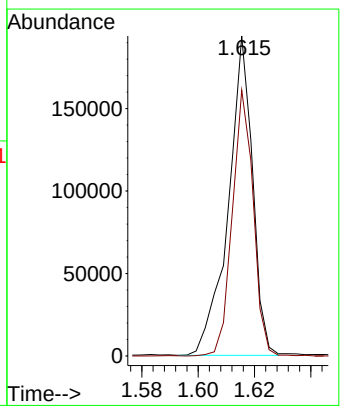


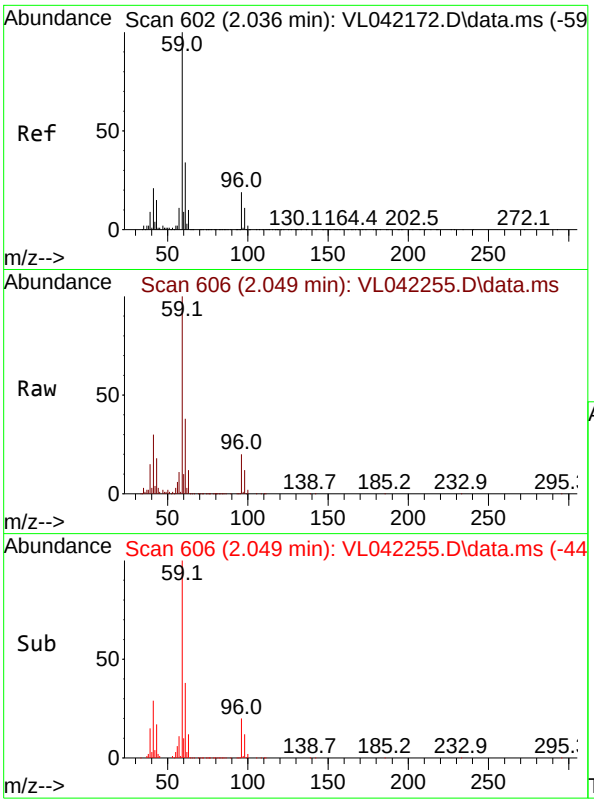


#16
1,3-Butadiene
Concen: 8.904 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 39 Resp: 115796

Ion	Ratio	Lower	Upper
39	100		
54	71.9	60.7	91.1



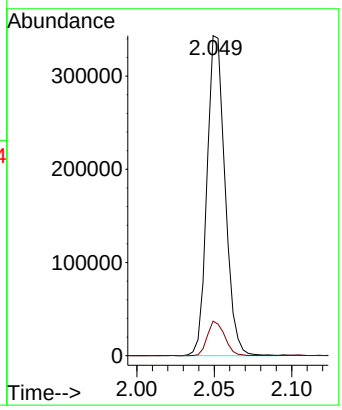


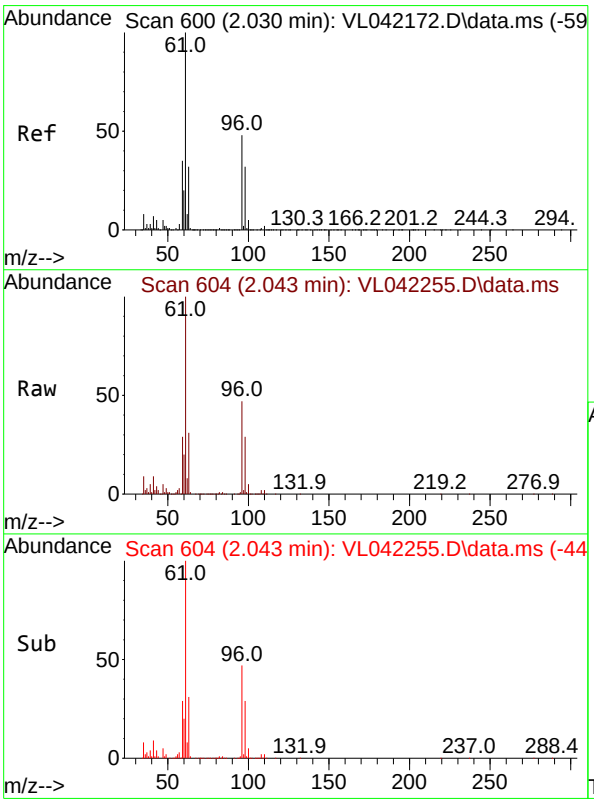
#17
tert-Butyl alcohol
Concen: 8.371 ppbv
RT: 2.049 min Scan# 6
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 59 Resp: 277654

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.9	13.3

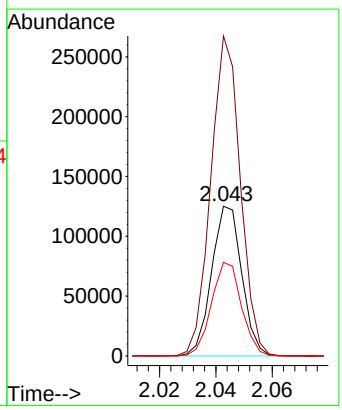


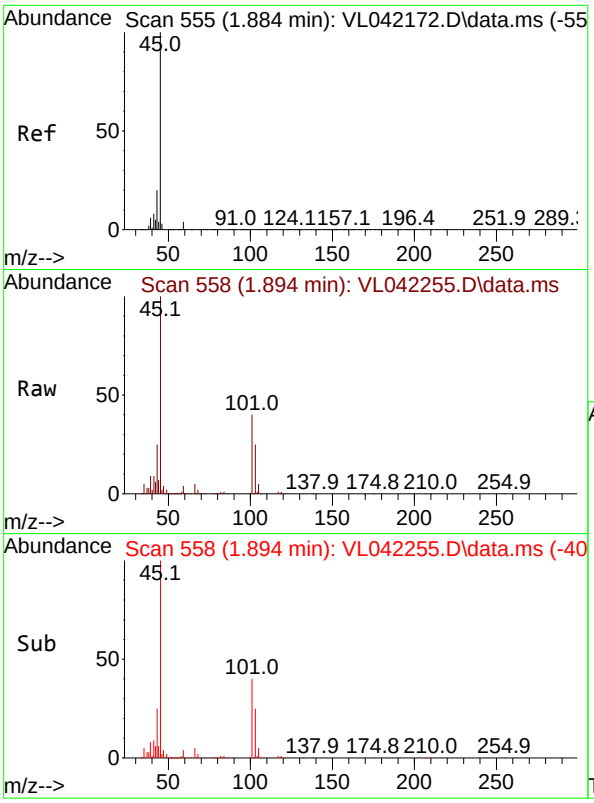


#18
1,1-Dichloroethene
Concen: 8.862 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 96 Resp: 93164

Ion	Ratio	Lower	Upper
96	100		
61	213.3	167.6	251.4
98	62.4	53.5	80.3



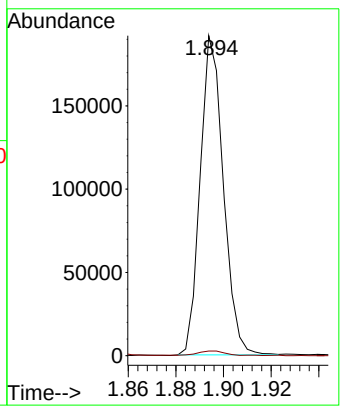


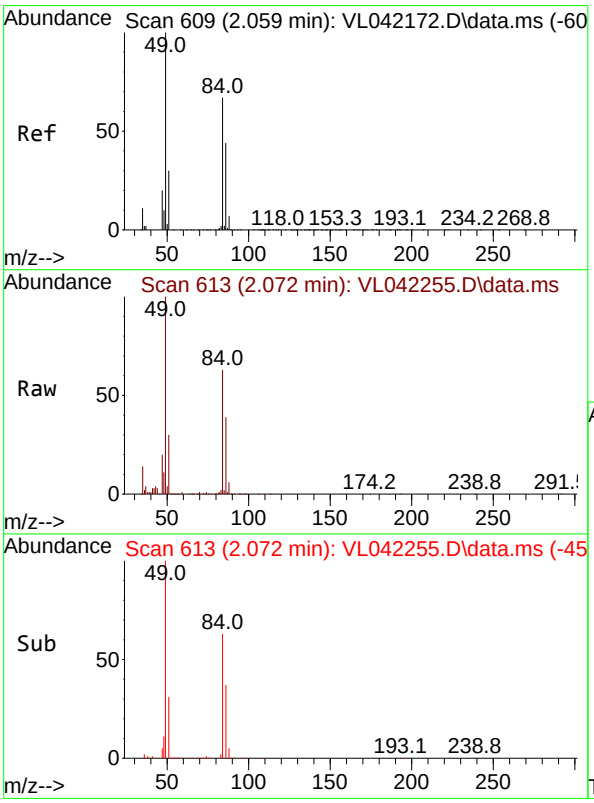
#19
Isopropyl Alcohol
Concen: 8.613 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 45 Resp: 129418

Ion	Ratio	Lower	Upper
45	100		
58	2.1	36.9	55.3#

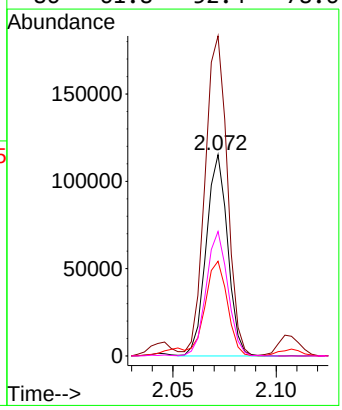


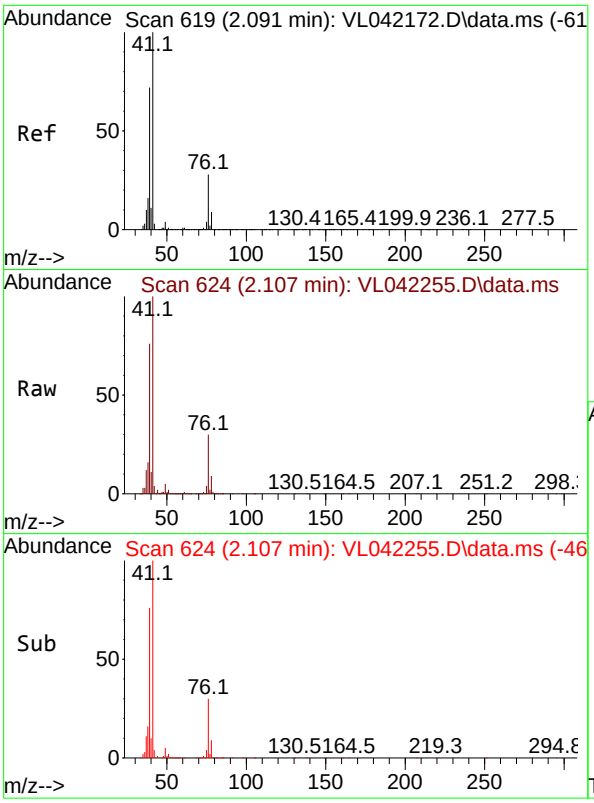


#20
Methylene Chloride
Concen: 8.396 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 84 Resp: 83277

Ion	Ratio	Lower	Upper
84	100		
49	156.9	120.2	180.4
51	44.9	37.4	56.0
86	61.8	52.4	78.6



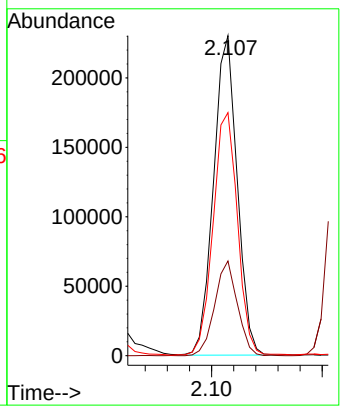


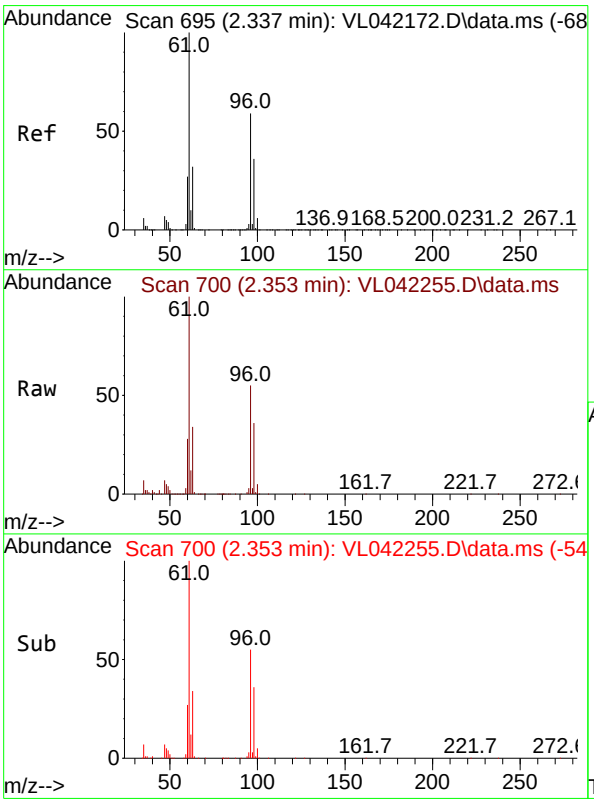
#21
Allyl Chloride
Concen: 9.105 ppbv
RT: 2.107 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 41 Resp: 171013

Ion	Ratio	Lower	Upper
41	100		
76	28.5	24.1	36.1
39	77.8	61.1	91.7

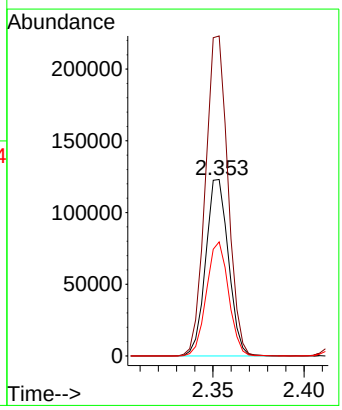


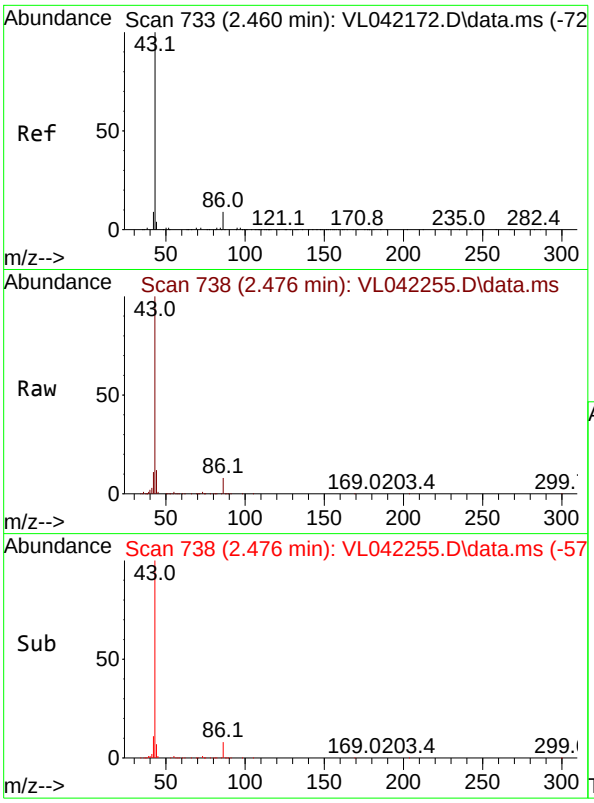


#22
trans-1,2-Dichloroethene
Concen: 8.782 ppbv
RT: 2.353 min Scan# 700
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 96 Resp: 106692

Ion	Ratio	Lower	Upper
96	100		
61	181.3	136.6	204.8
98	64.6	49.4	74.2



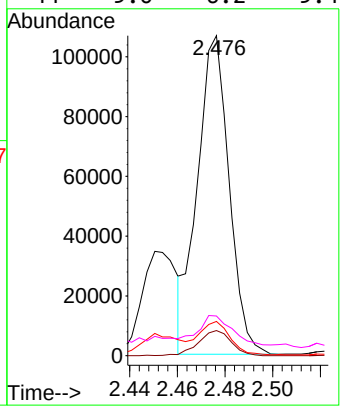


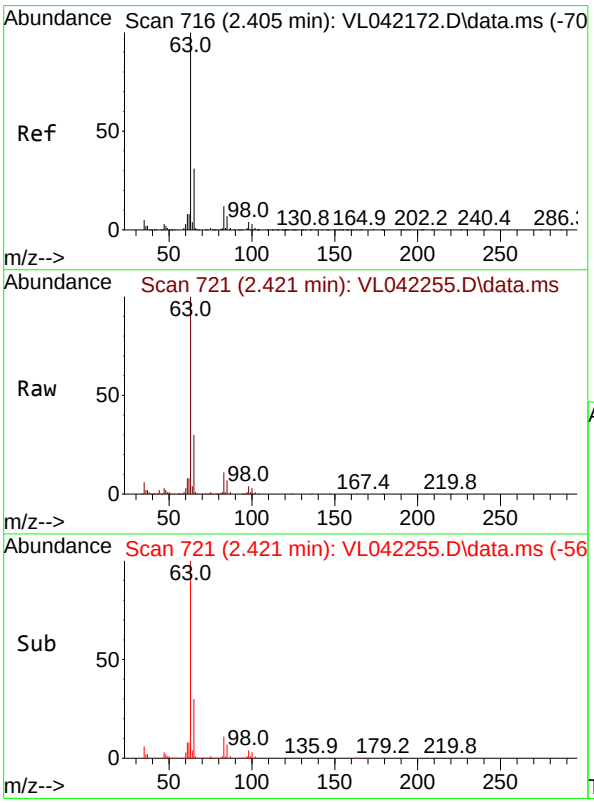
#23
Vinyl Acetate
Concen: 8.549 ppbv
RT: 2.476 min Scan# 7
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 43 Resp: 98533

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	9.9	8.6	13.0
44	9.0	6.2	9.4

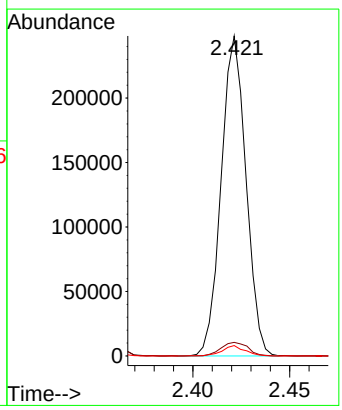


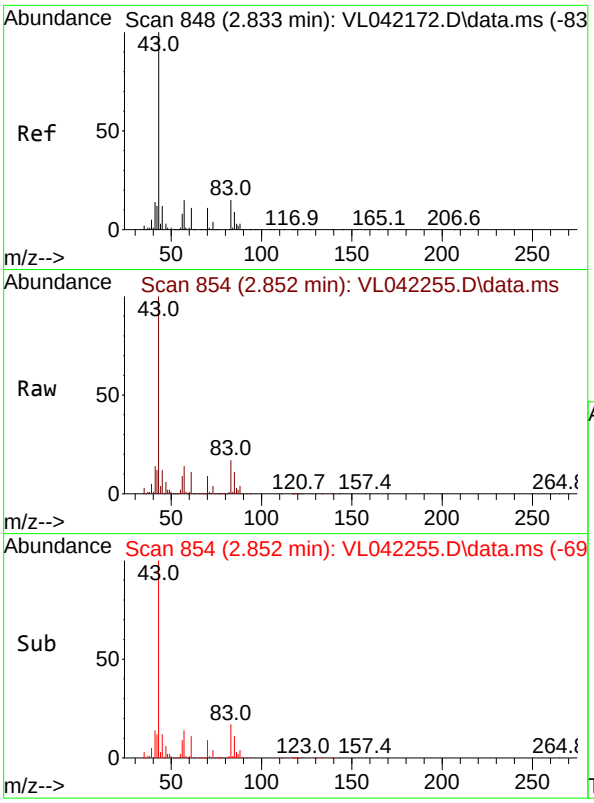


#24
1,1-Dichloroethane
Concen: 9.814 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 63 Resp: 221032

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	3.3	1.6	4.7



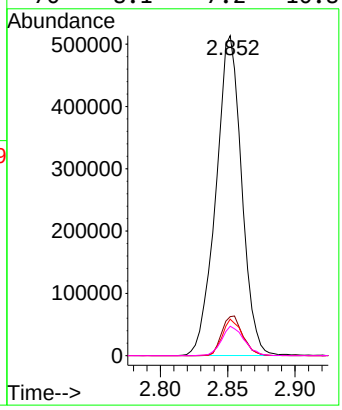


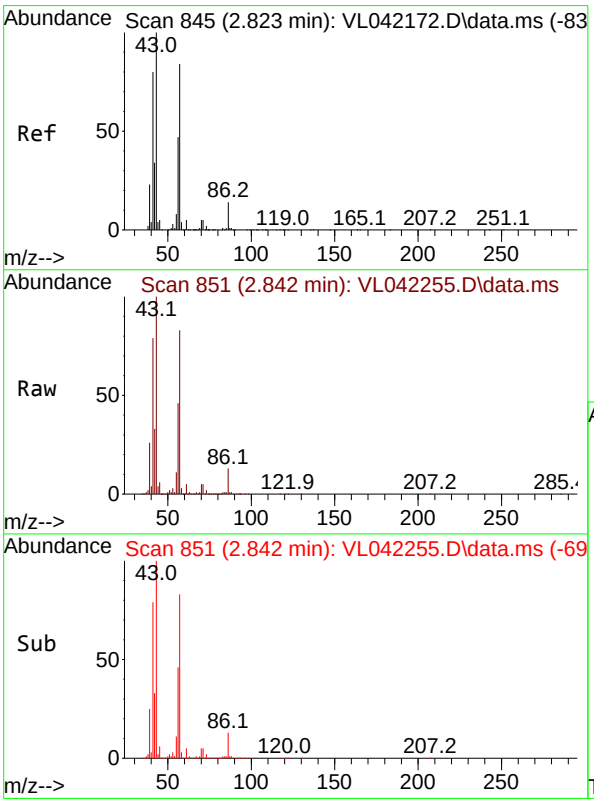
#25
Ethyl Acetate
Concen: 9.854 ppbv
RT: 2.852 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 43 Resp: 681132

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.2	7.3	10.9
70	8.1	7.2	10.8

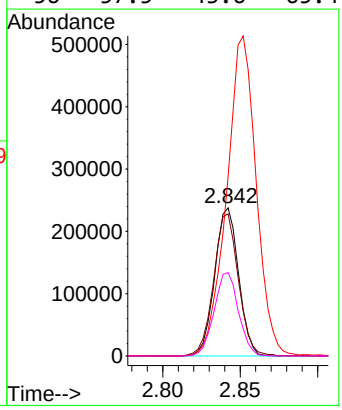


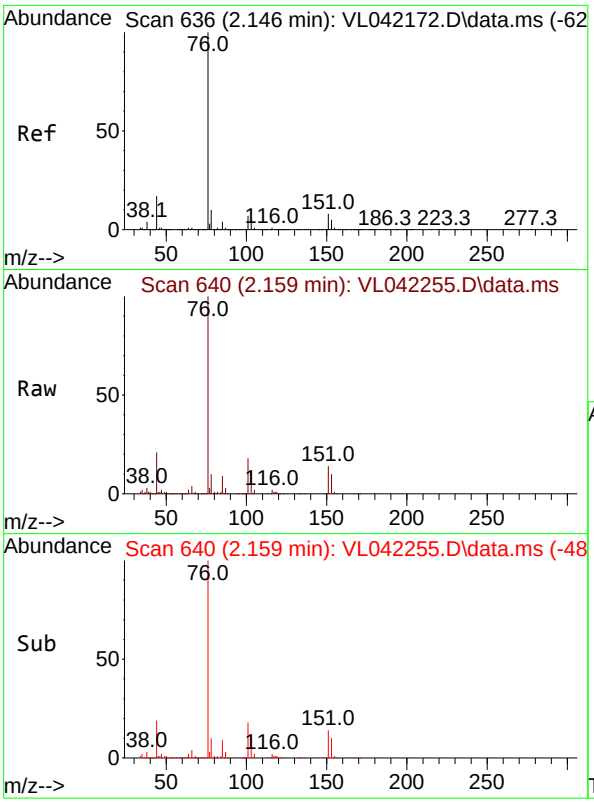


#26
Hexane
Concen: 9.519 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 57 Resp: 254141

Ion	Ratio	Lower	Upper
57	100		
41	99.4	76.6	114.8
43	268.9	207.8	311.8
56	57.5	43.6	65.4



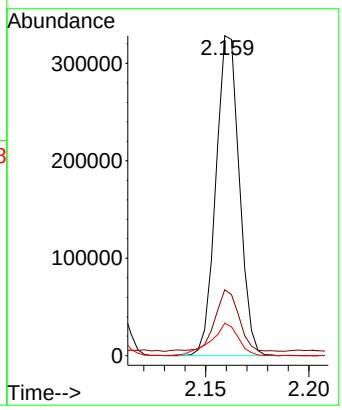


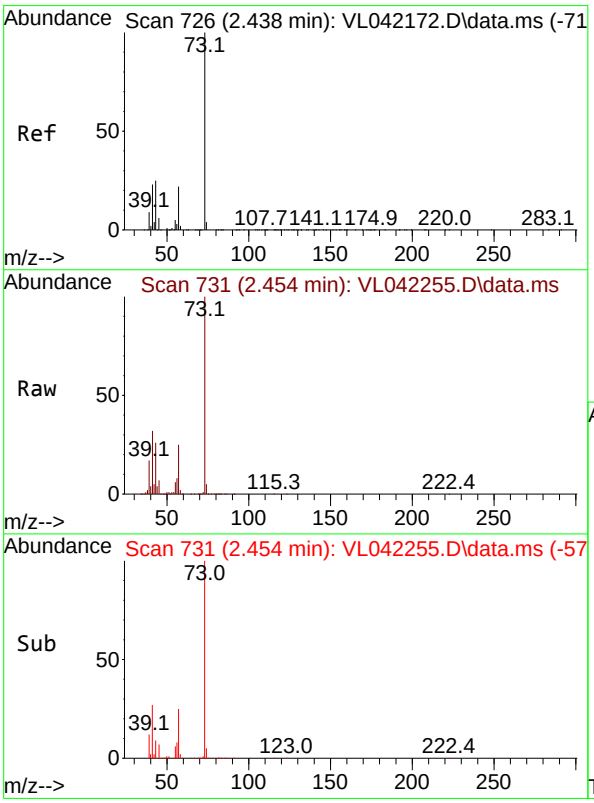
#27
Carbon Disulfide
Concen: 9.046 ppbv
RT: 2.159 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 76 Resp: 258972

Ion	Ratio	Lower	Upper
76	100		
44	19.1	14.7	22.1
78	11.7	9.3	13.9

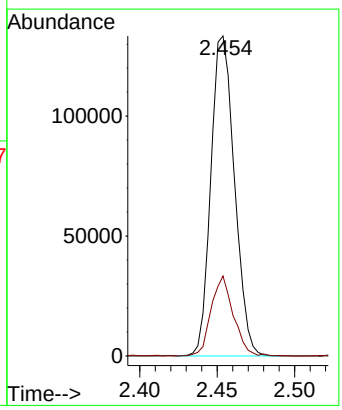


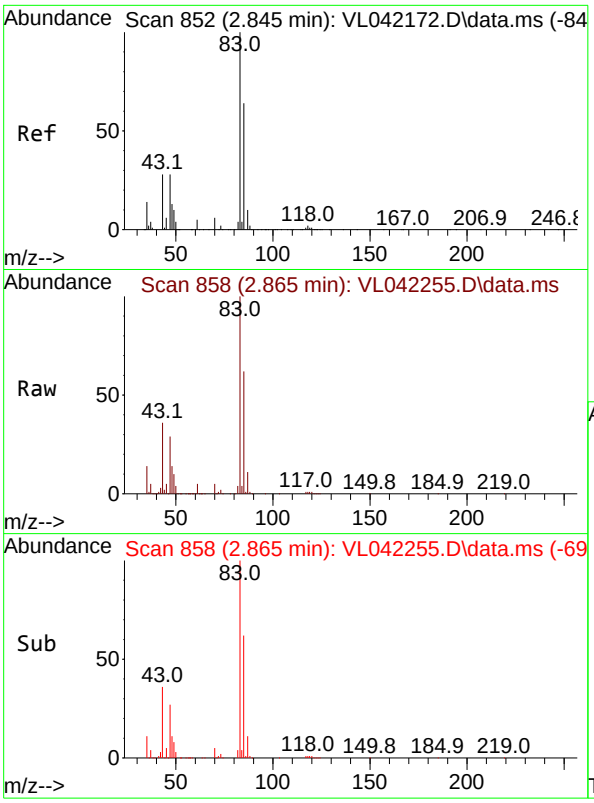


#28
Methyl tert-Butyl Ether
Concen: 8.506 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 73 Resp: 141395

Ion	Ratio	Lower	Upper
73	100		
57	23.8	20.5	30.7



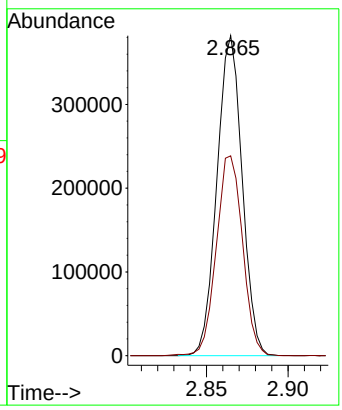


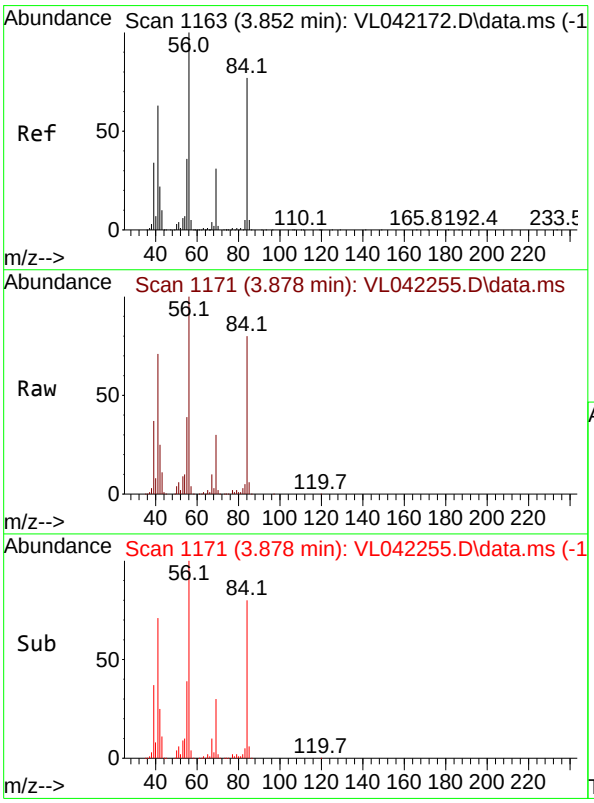
#29
Chloroform
Concen: 10.507 ppbv
RT: 2.865 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 83 Resp: 410522

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

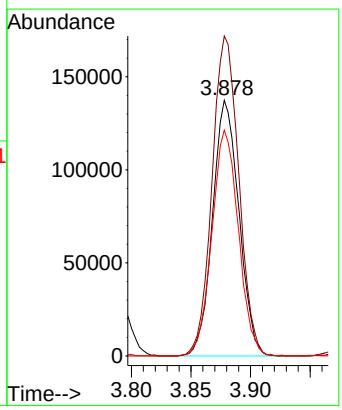


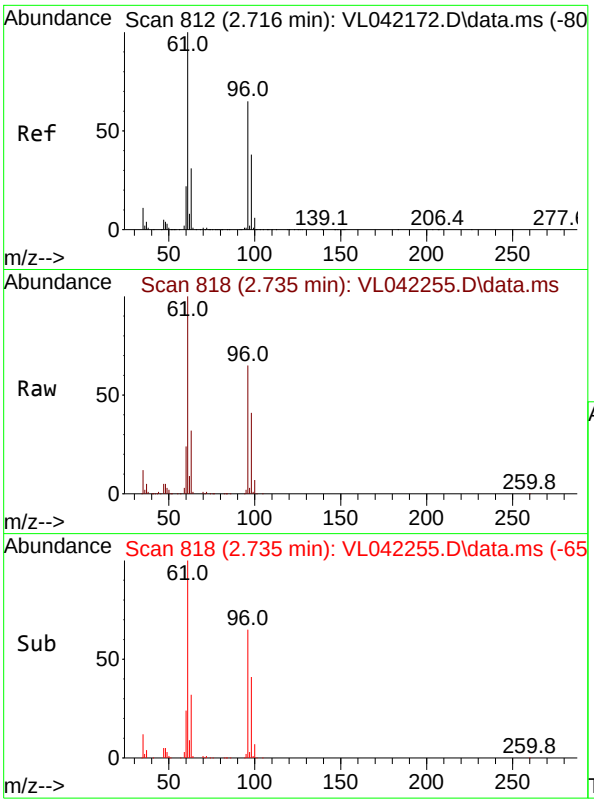


#30
Cyclohexane
Concen: 9.112 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 84 Resp: 211231

Ion	Ratio	Lower	Upper
84	100		
56	126.6	102.8	154.2
41	88.8	66.5	99.7



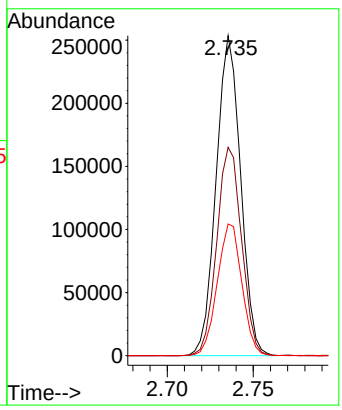


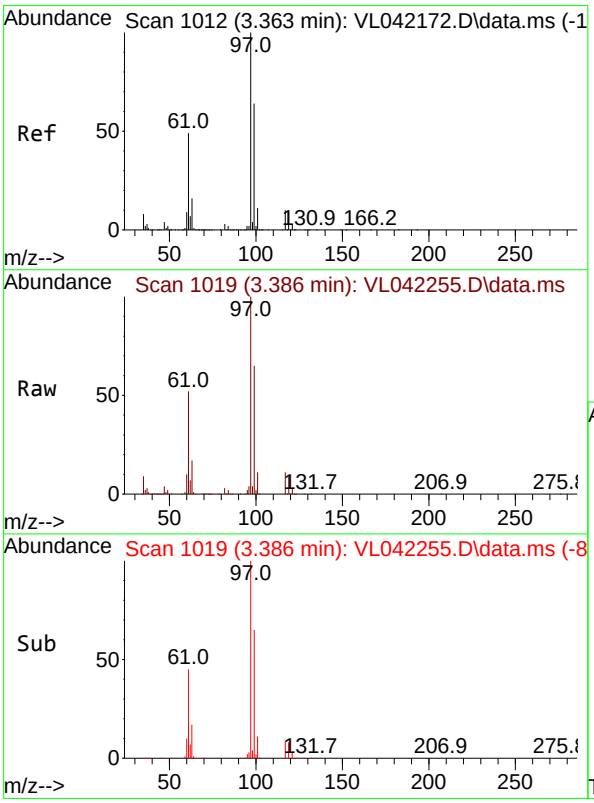
#31
cis-1,2-Dichloroethene
Concen: 9.268 ppbv
RT: 2.735 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 61 Resp: 251202

Ion	Ratio	Lower	Upper
61	100		
96	65.1	51.8	77.8
98	41.2	30.6	46.0

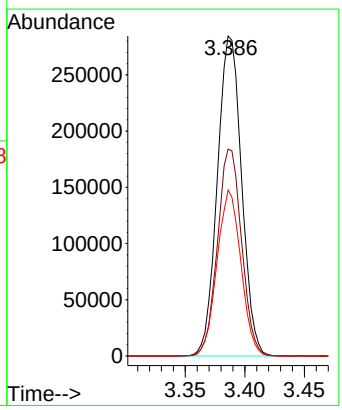


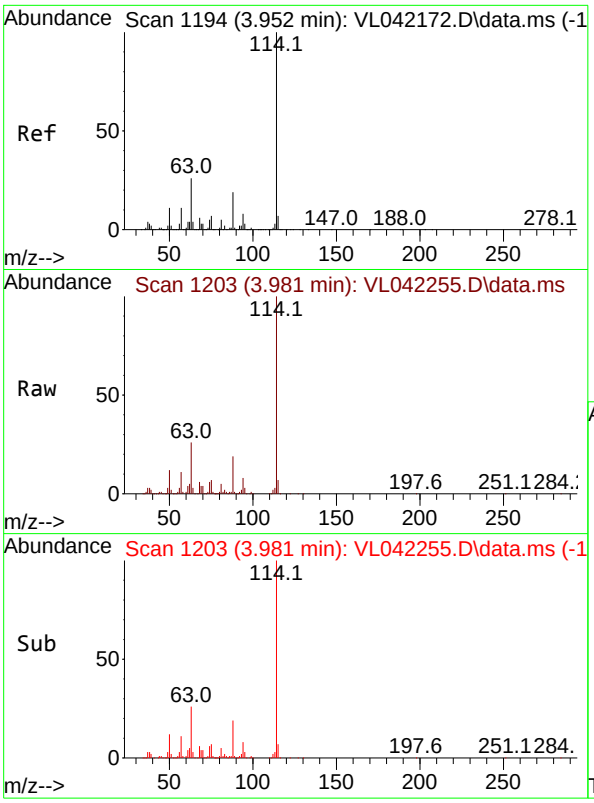


#32
1,1,1-Trichloroethane
Concen: 8.998 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 97 Resp: 402513

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	51.2	38.7	58.1



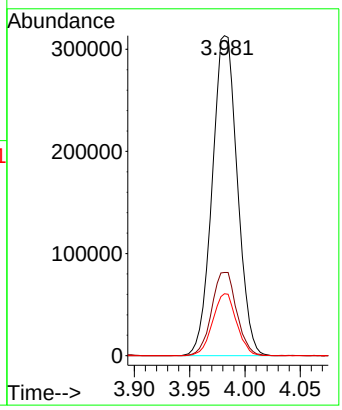


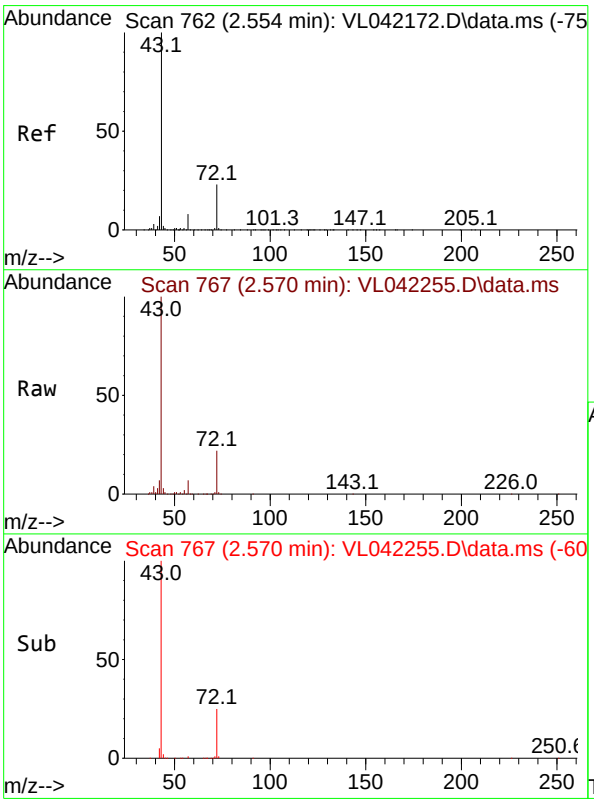
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:114 Resp: 494678

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.7	31.1
88	18.5	15.0	22.4

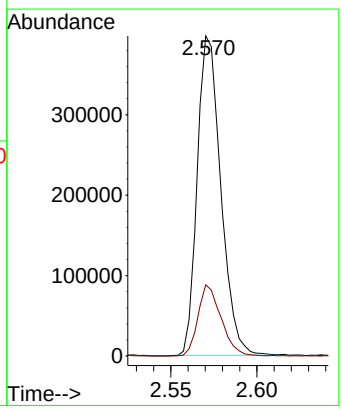


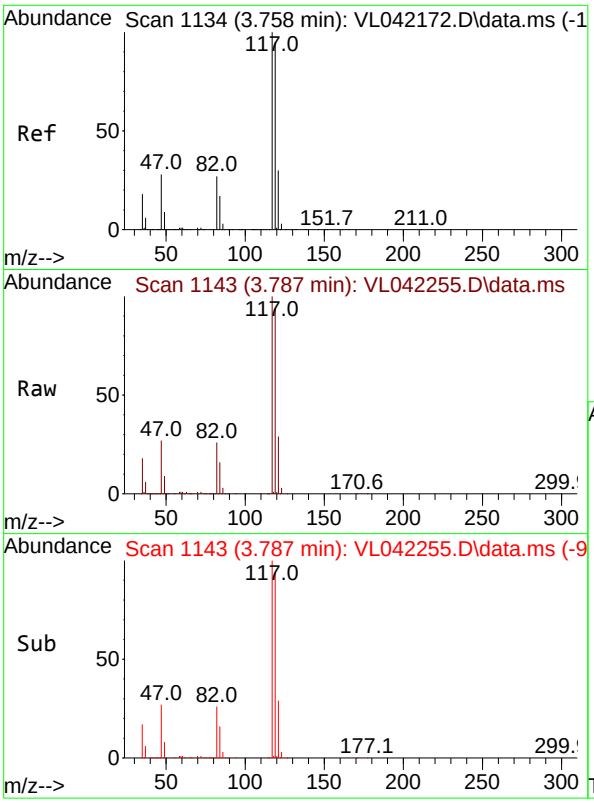


#34
2-Butanone
Concen: 10.575 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 379327

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.2	27.2



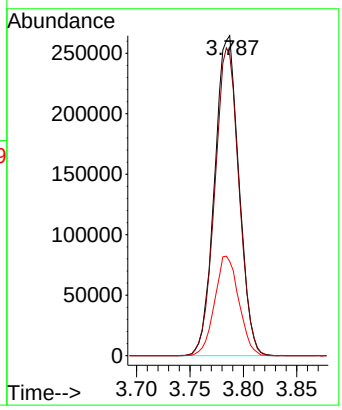


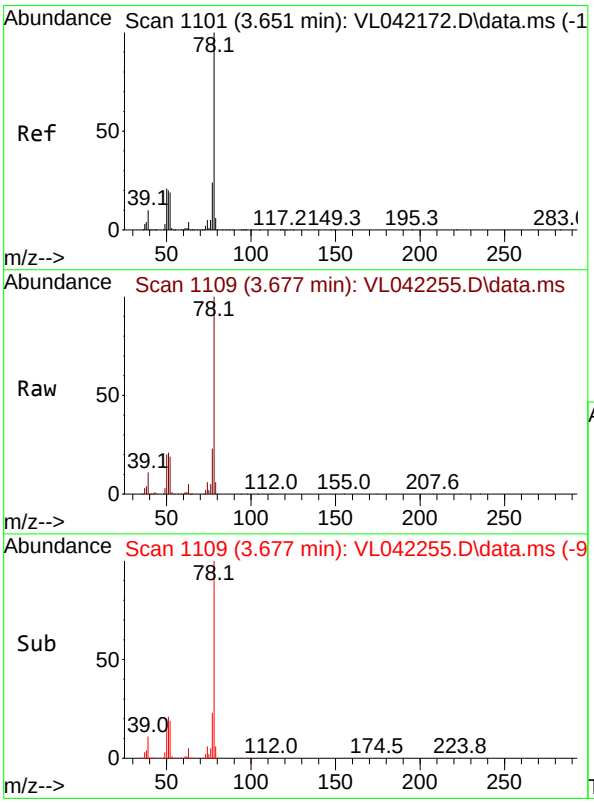
#35
Carbon Tetrachloride
Concen: 10.828 ppbv
RT: 3.787 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:117 Resp: 418420

Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.2	114.2
121	29.5	24.2	36.4

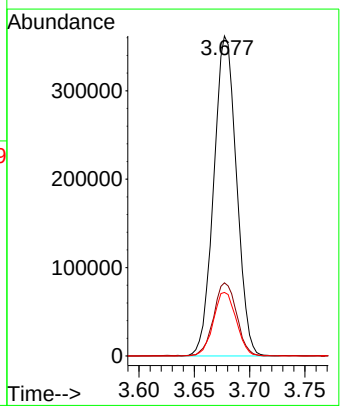


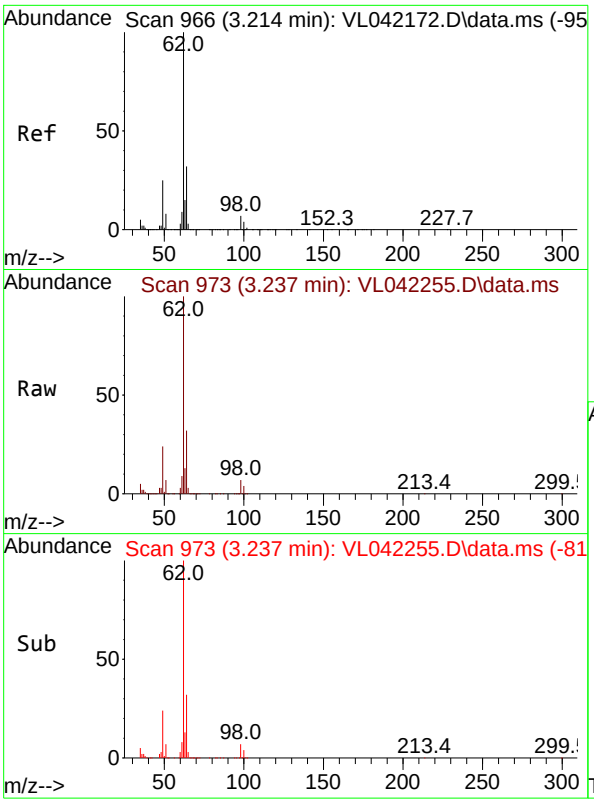


#36
Benzene
Concen: 10.564 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 78 Resp: 518095

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7
50	19.9	16.6	24.8



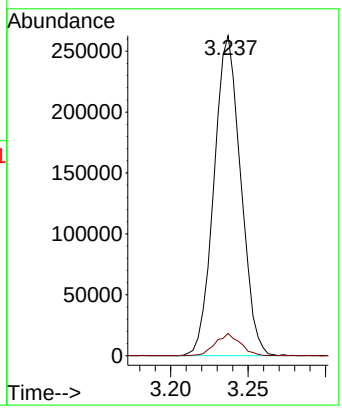


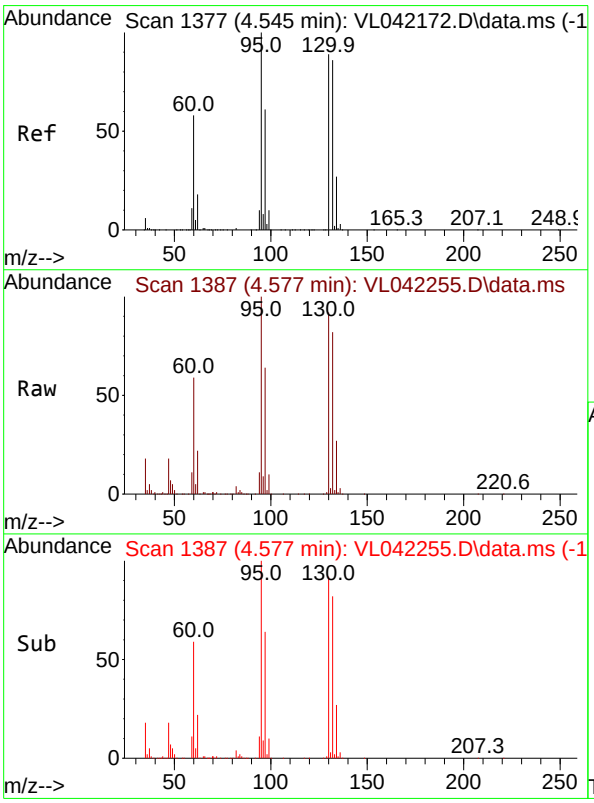
#37
1,2-Dichloroethane
Concen: 11.226 ppbv
RT: 3.237 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 62 Resp: 315190

Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.4	8.2

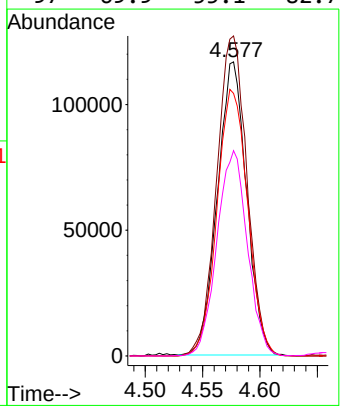


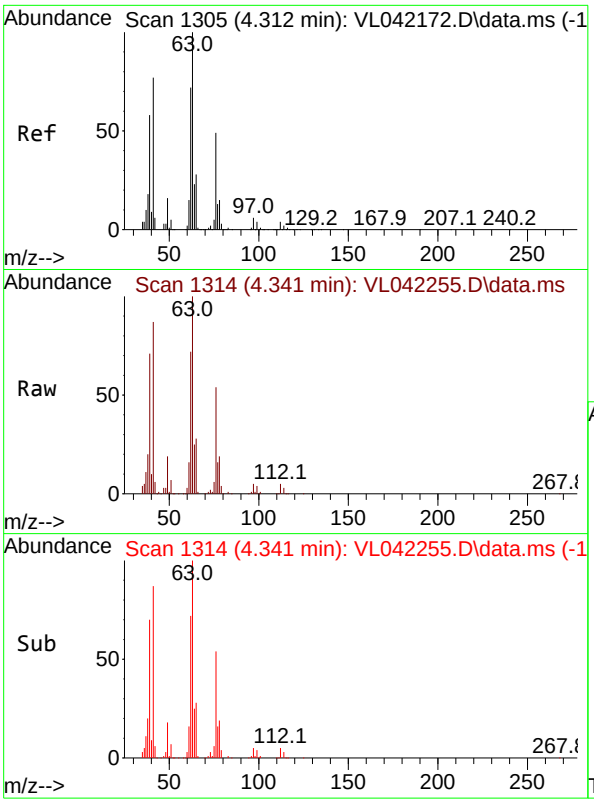


#38
Trichloroethene
Concen: 10.061 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:130 Resp: 205867

Ion	Ratio	Lower	Upper
130	100		
95	109.2	89.8	134.8
132	89.5	77.4	116.2
97	69.9	55.1	82.7



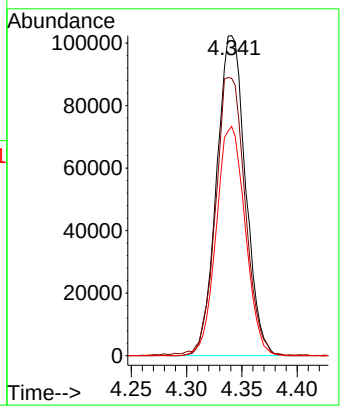


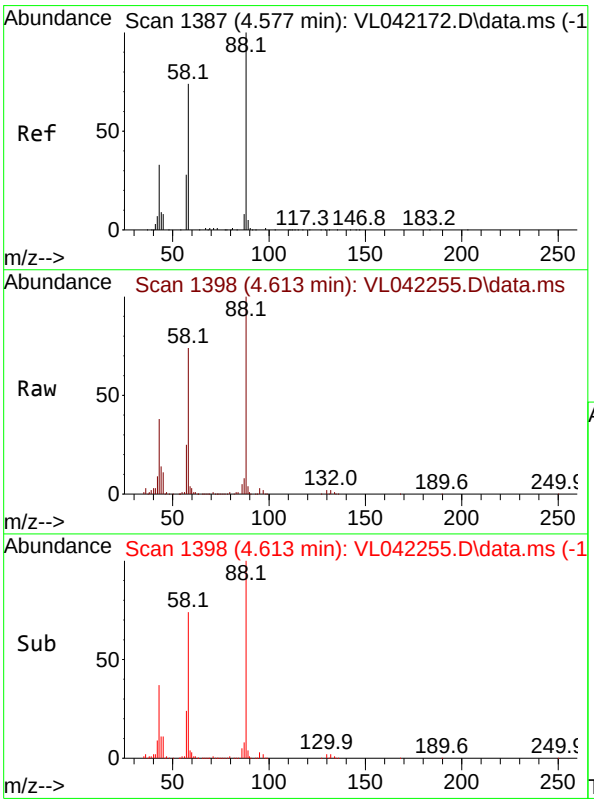
#39
1,2-Dichloropropane
Concen: 10.403 ppbv
RT: 4.341 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 63 Resp: 185795

Ion	Ratio	Lower	Upper
63	100		
41	86.0	61.7	92.5
62	71.6	57.6	86.4

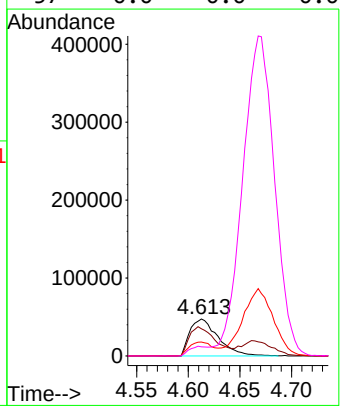


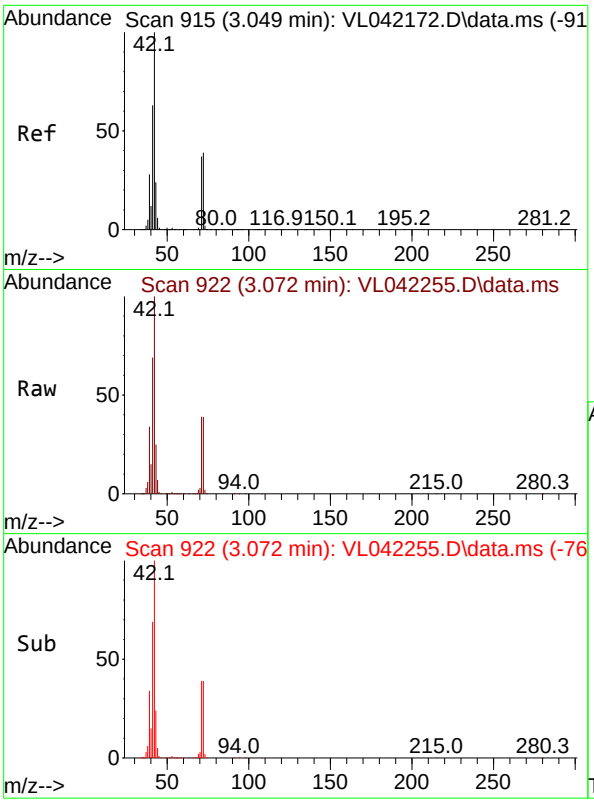


#40
1,4-Dioxane
Concen: 9.608 ppbv
RT: 4.613 min Scan# 1398
Delta R.T. 0.036 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 88 Resp: 91079

Ion	Ratio	Lower	Upper
88	100		
58	72.4	62.7	94.1
43	34.3	23.0	34.4
57	0.0	0.0	0.0



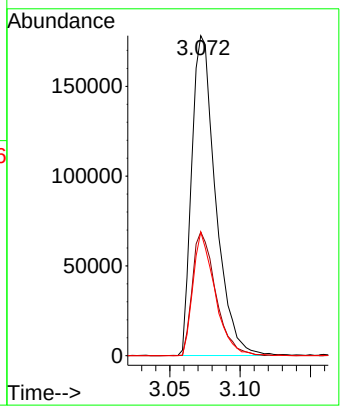


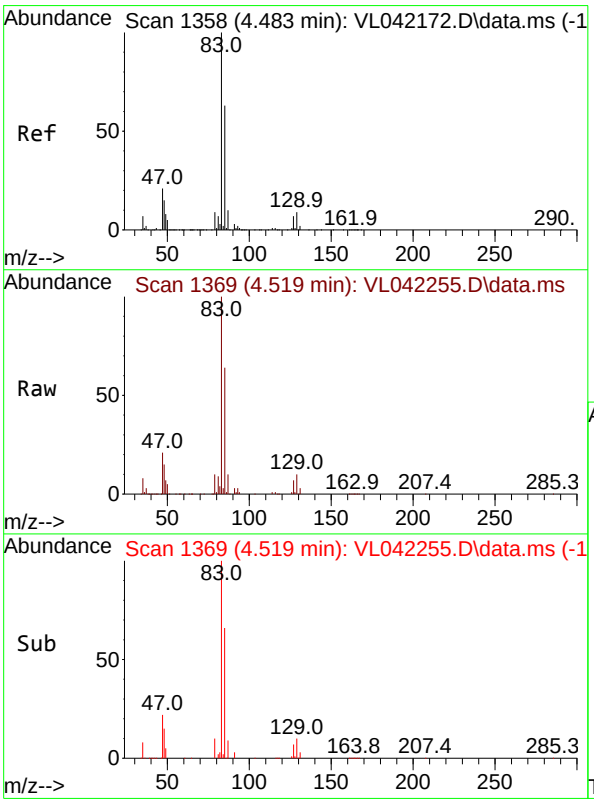
#41
Tetrahydrofuran
Concen: 10.168 ppbv
RT: 3.072 min Scan# 9
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 42 Resp: 210024

Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.4	47.0
71	35.8	30.2	45.4

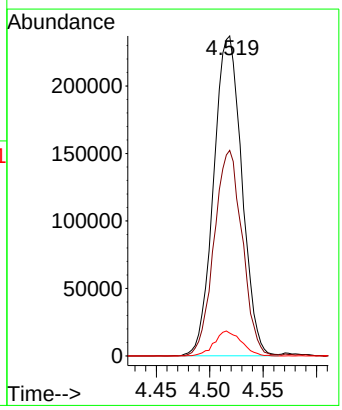


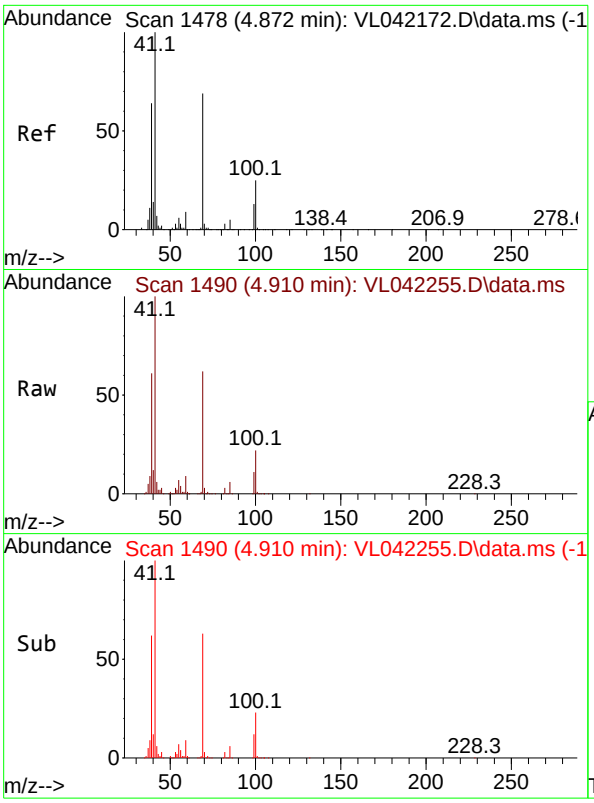


#42
Bromodichloromethane
Concen: 11.217 ppbv
RT: 4.519 min Scan# 1369
Delta R.T. 0.036 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 83 Resp: 434165

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.5	75.7
127	7.2	5.9	8.9



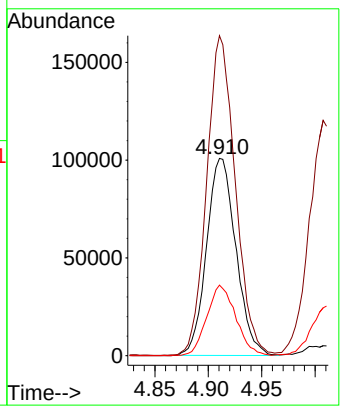


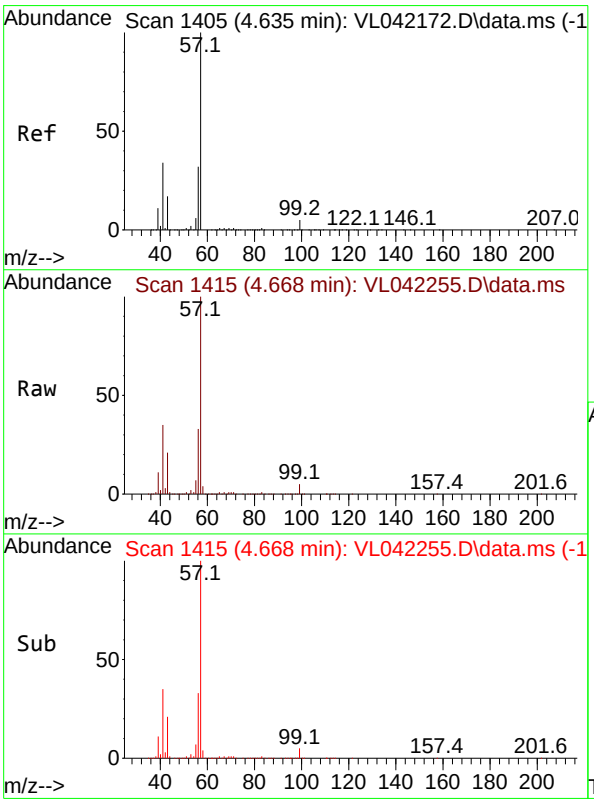
#43
Methyl Methacrylate
Concen: 9.277 ppbv
RT: 4.910 min Scan# 14
Delta R.T. 0.039 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 69 Resp: 192595

Ion	Ratio	Lower	Upper
69	100		
41	157.9	123.8	185.6
100	35.4	28.4	42.6

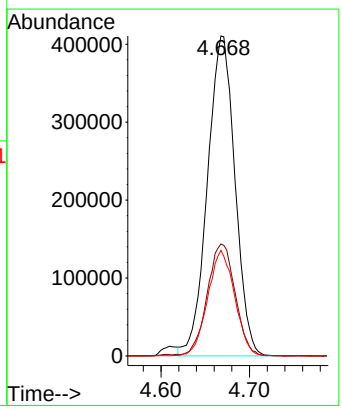


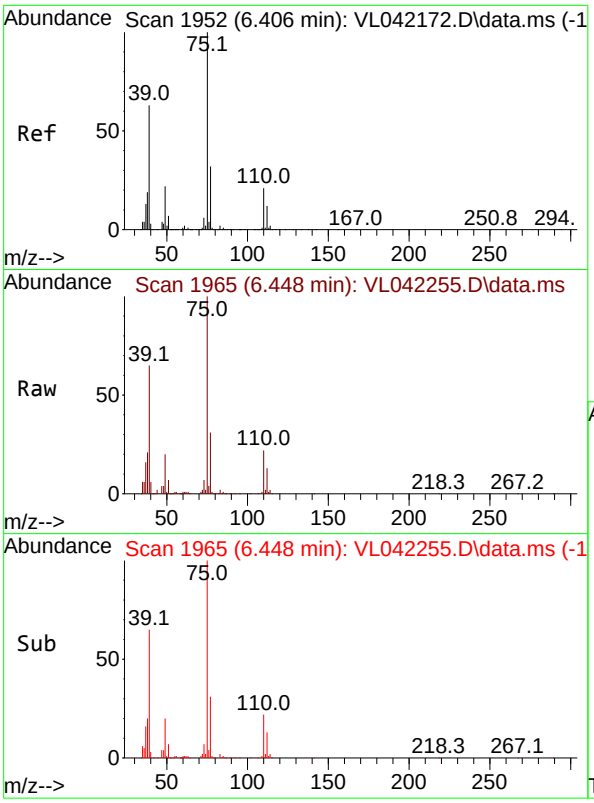


#44
2,2,4-Trimethylpentane
Concen: 10.701 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 57 Resp: 886873

Ion	Ratio	Lower	Upper
57	100		
41	35.8	26.8	40.2
56	32.5	25.6	38.4



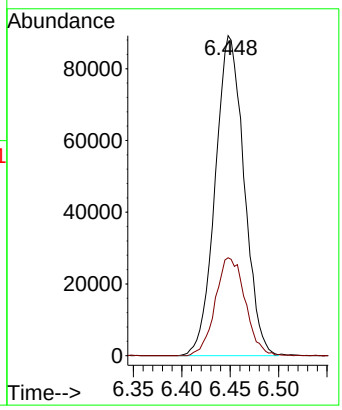


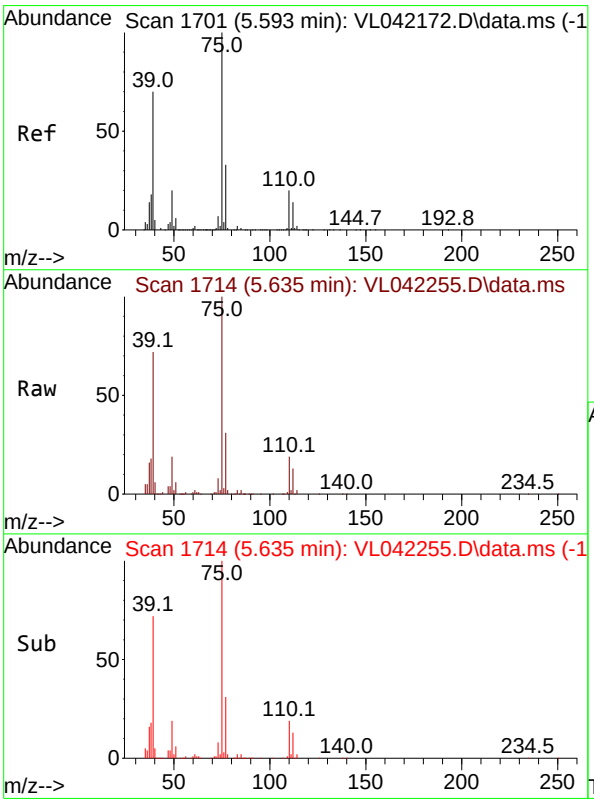
#45
t-1,3-Dichloropropene
Concen: 8.299 ppbv
RT: 6.448 min Scan# 1
Delta R.T. 0.042 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 75 Resp: 184852

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.0	39.0

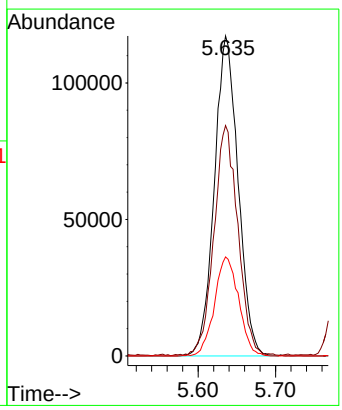


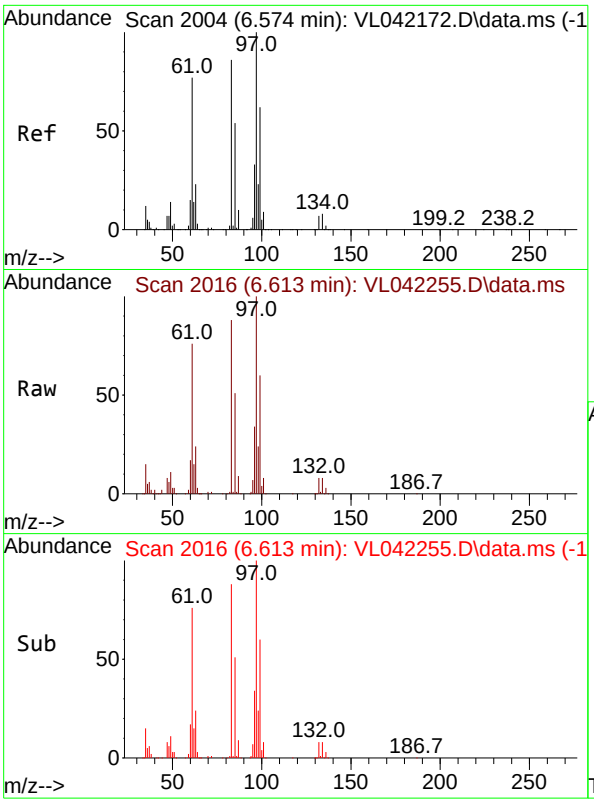


#46
cis-1,3-Dichloropropene
Concen: 9.149 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.042 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 75 Resp: 249791

Ion	Ratio	Lower	Upper
75	100		
39	71.8	55.8	83.6
77	31.0	26.0	39.0



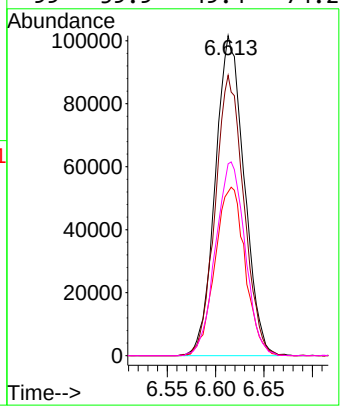


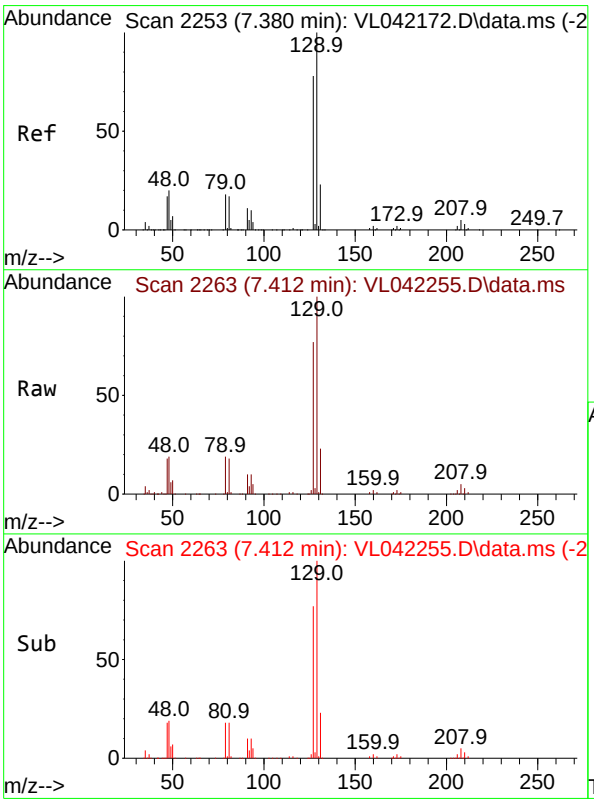
#47
1,1,2-Trichloroethane
Concen: 11.166 ppbv
RT: 6.613 min Scan# 2
Delta R.T. 0.039 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 97 Resp: 210809

Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.2	103.8
85	51.1	43.1	64.7
99	59.9	49.4	74.2

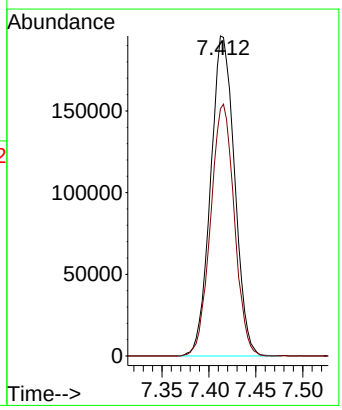


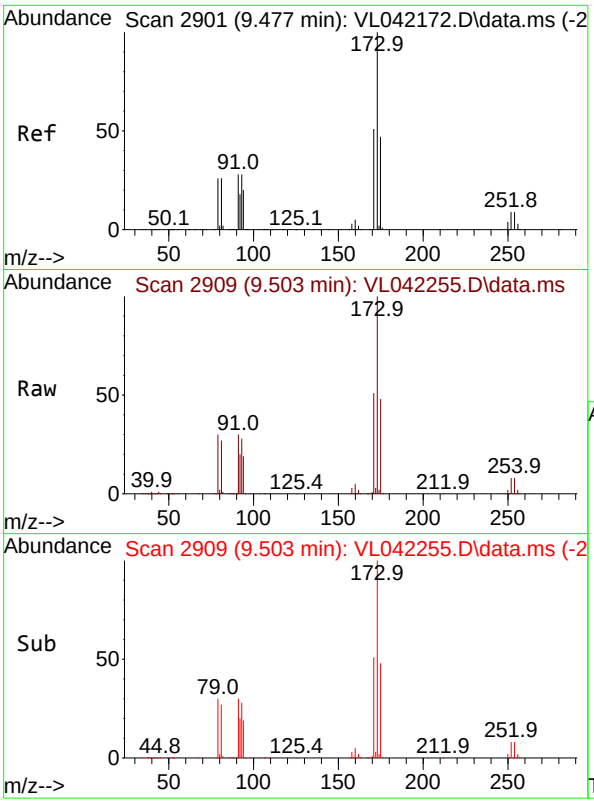


#48
Dibromochloromethane
Concen: 10.881 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:129 Resp: 348149

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.1	117.2



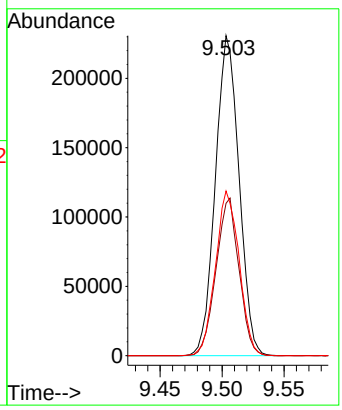


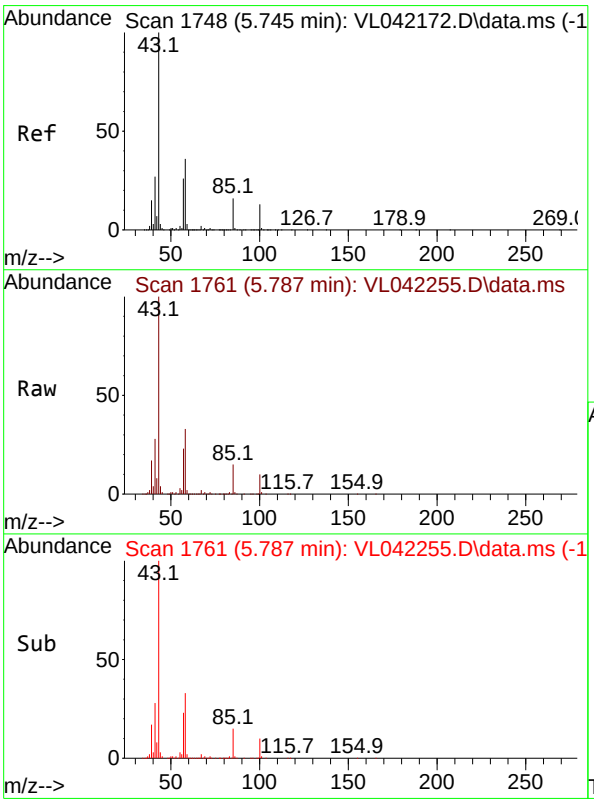
#49
Bromoform
Concen: 10.703 ppbv
RT: 9.503 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:173 Resp: 307461

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.6	57.8
171	51.5	41.8	62.6

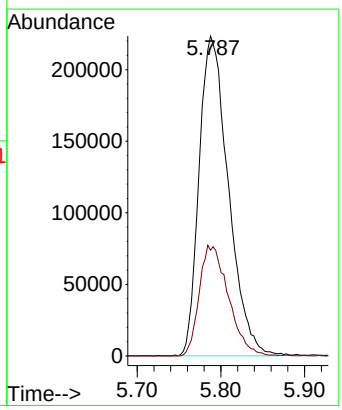


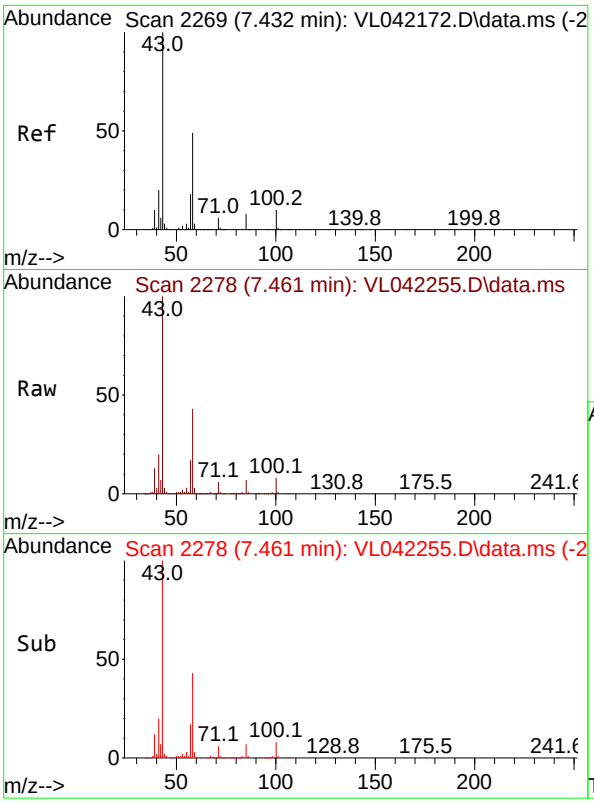


#50
4-Methyl-2-Pentanone
Concen: 9.554 ppbv
RT: 5.787 min Scan# 1761
Delta R.T. 0.042 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 43 Resp: 543140

Ion	Ratio	Lower	Upper
43	100		
58	34.5	29.0	43.6



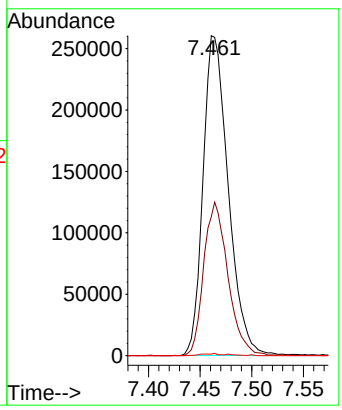


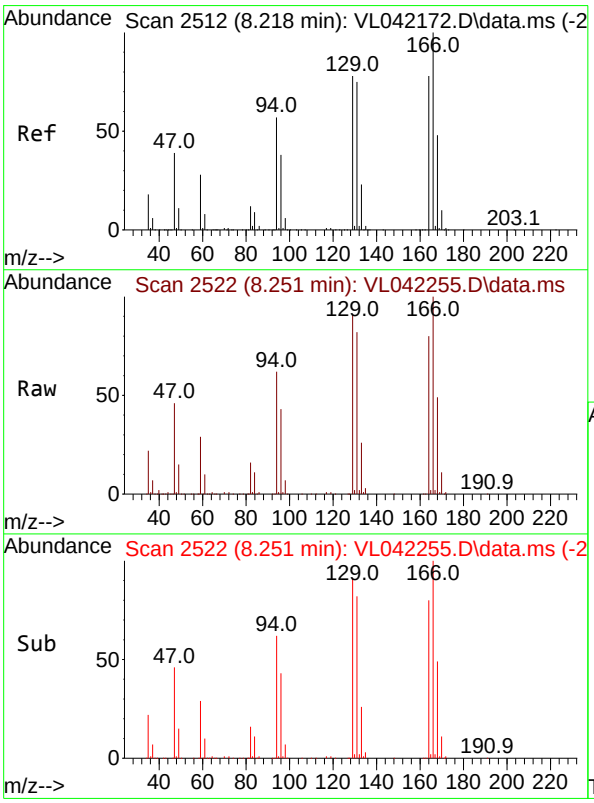
#51
2-Hexanone
Concen: 9.463 ppbv
RT: 7.461 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 43 Resp: 441742

Ion	Ratio	Lower	Upper
43	100		
58	46.3	39.7	59.5
98	0.7	0.1	0.1#

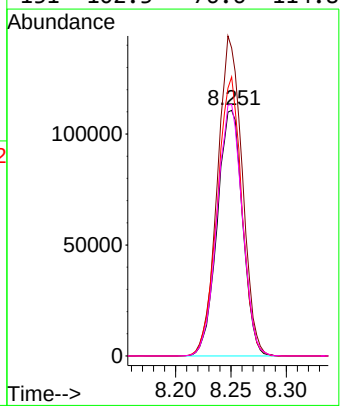


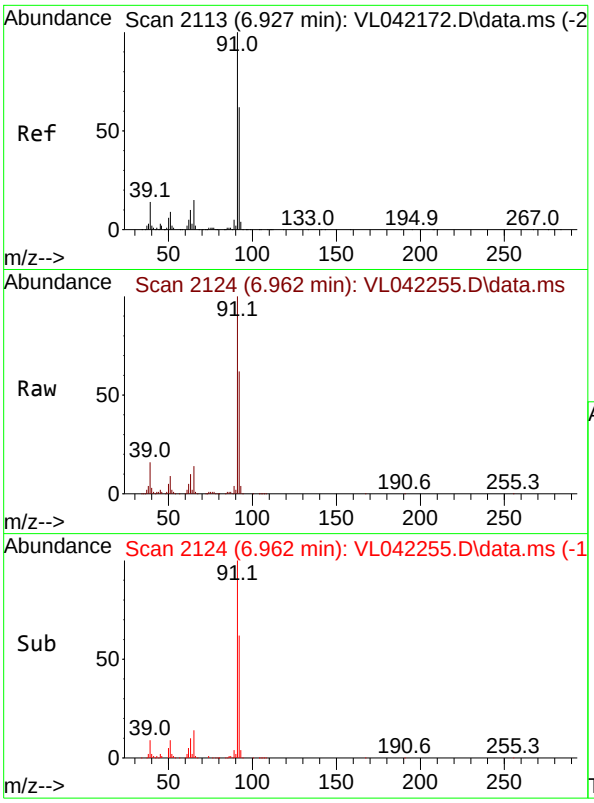


#52
Tetrachloroethene
Concen: 9.028 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.032 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:164 Resp: 175587

Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.5	153.7
129	113.6	79.8	119.8
131	102.3	76.6	114.8



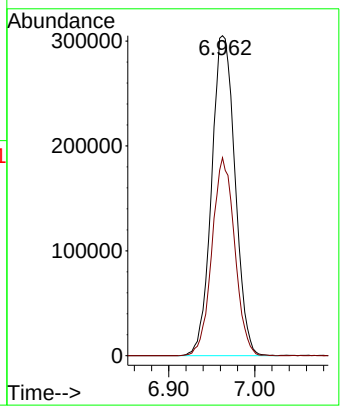


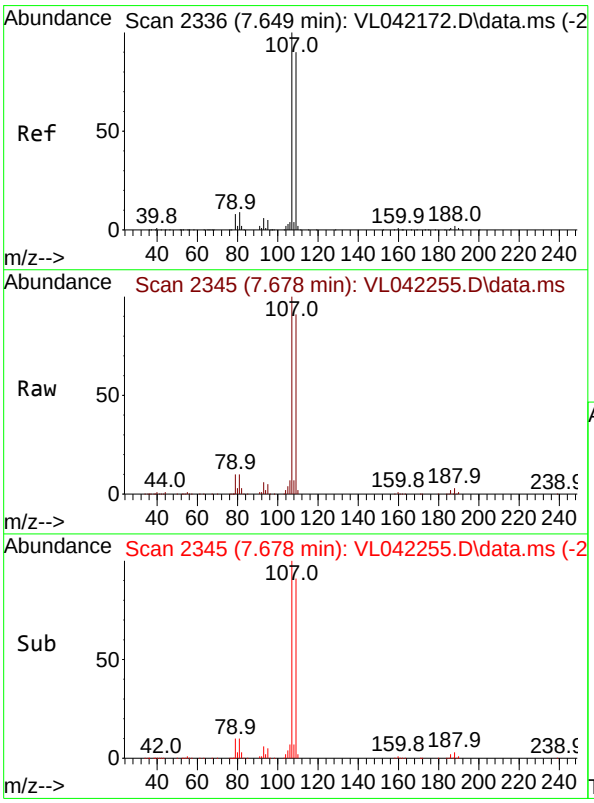
#53
Toluene
Concen: 9.947 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.036 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 91 Resp: 578261

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.4	72.6

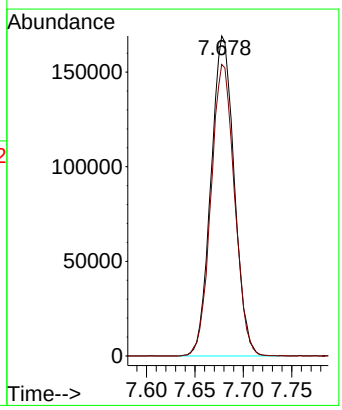


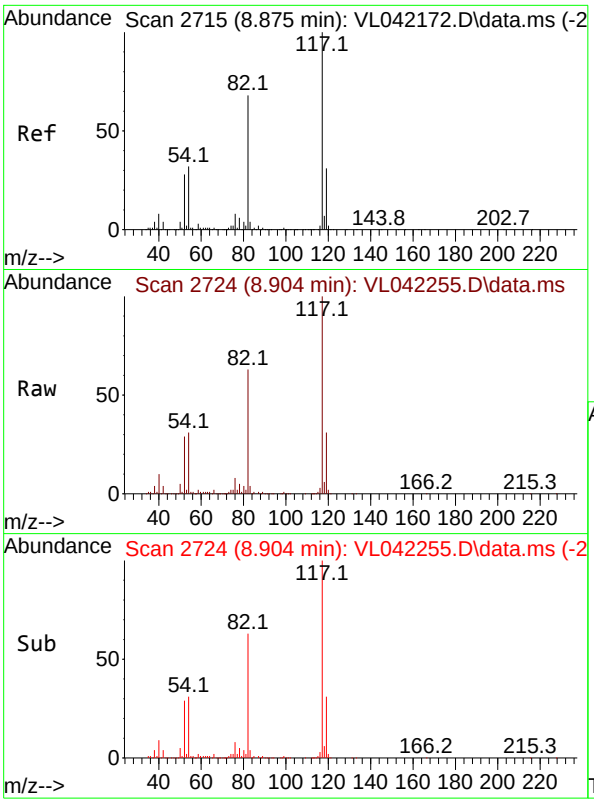


#54
1,2-Dibromoethane
Concen: 10.730 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:107 Resp: 282386

Ion	Ratio	Lower	Upper
107	100		
109	91.1	72.2	108.4



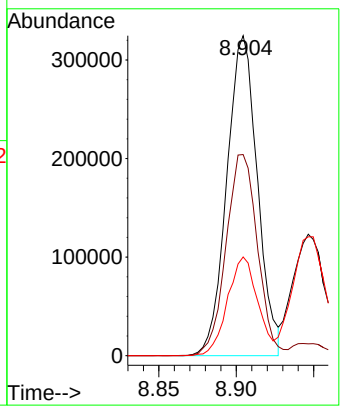


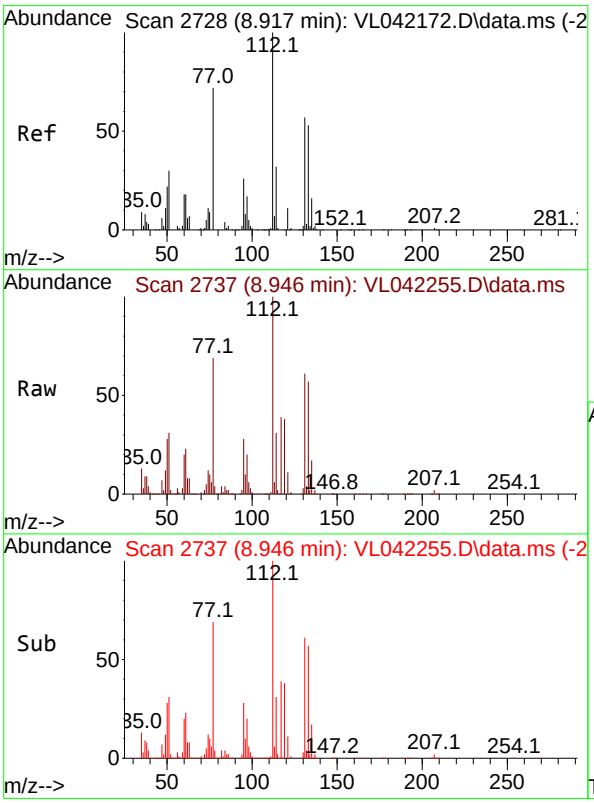
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:117 Resp: 447066

Ion	Ratio	Lower	Upper
117	100		
82	68.7	55.8	83.6
119	30.4	25.5	38.3

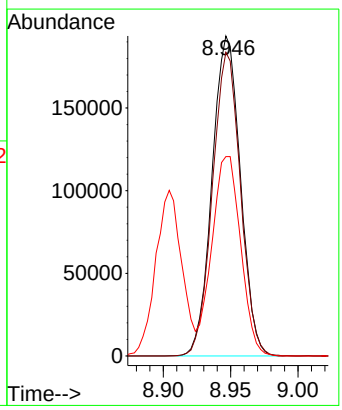


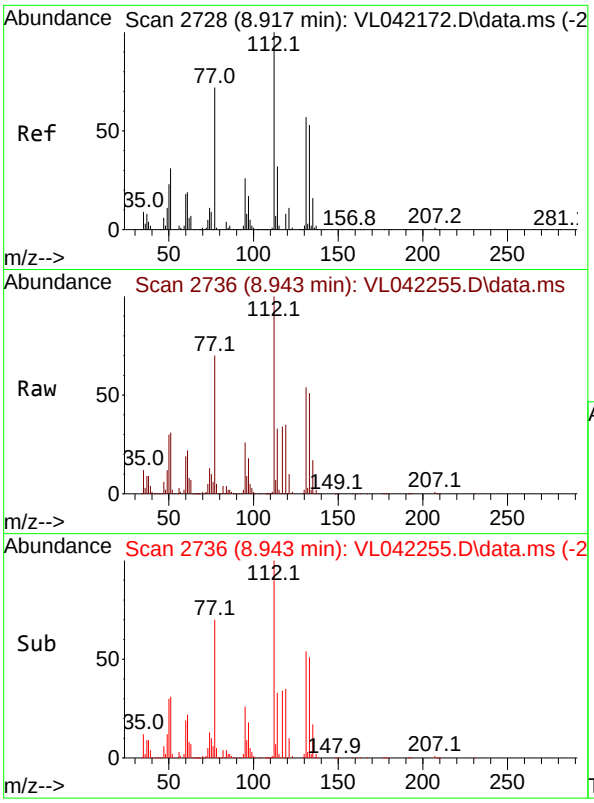


#56
1,1,1,2-Tetrachloroethane
Concen: 11.503 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:131 Resp: 283080

Ion	Ratio	Lower	Upper
131	100		
133	93.9	76.6	114.8
119	64.5	49.8	74.6



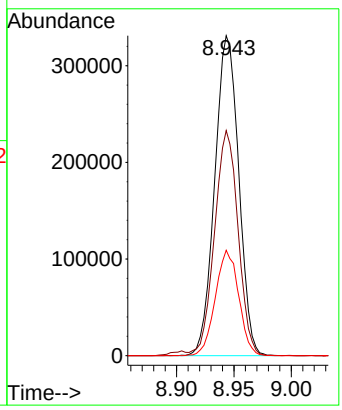


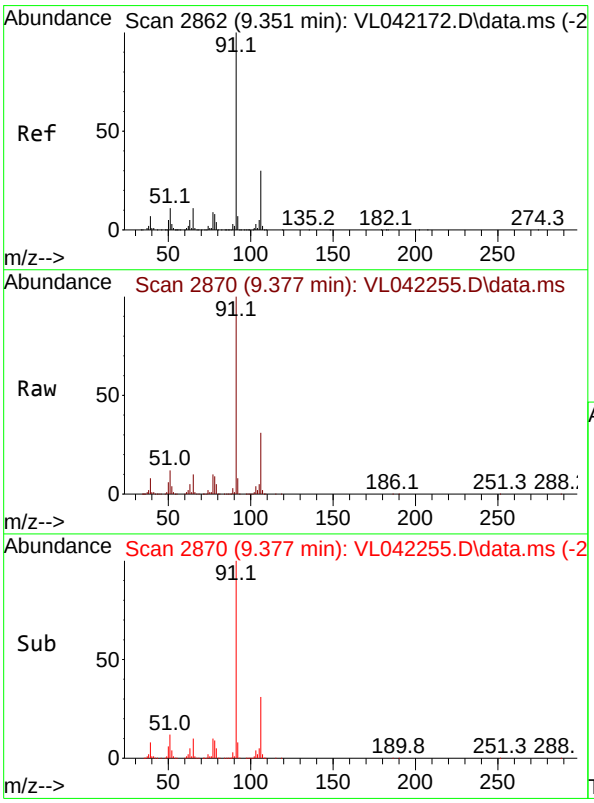
#57
Chlorobenzene
Concen: 11.360 ppbv
RT: 8.943 min Scan# 2
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:112 Resp: 481713

Ion	Ratio	Lower	Upper
112	100		
77	70.3	58.2	87.2
114	32.9	29.1	35.5

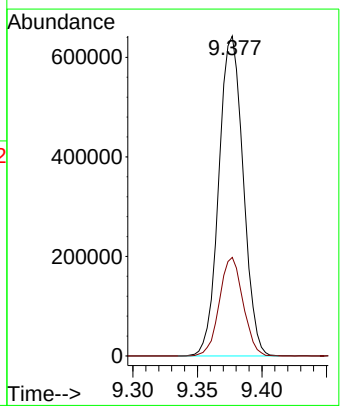


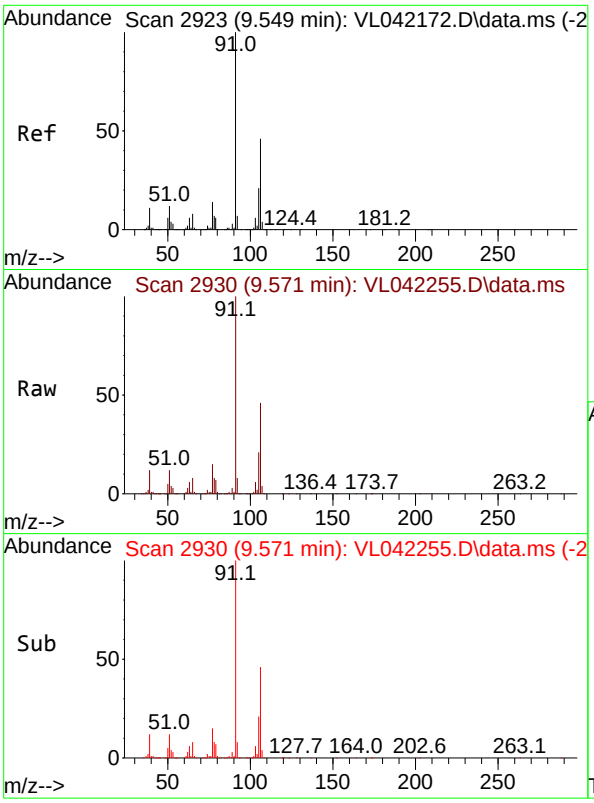


#58
Ethyl Benzene
Concen: 10.593 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 841166

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.2



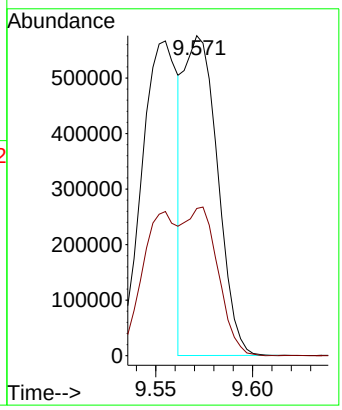


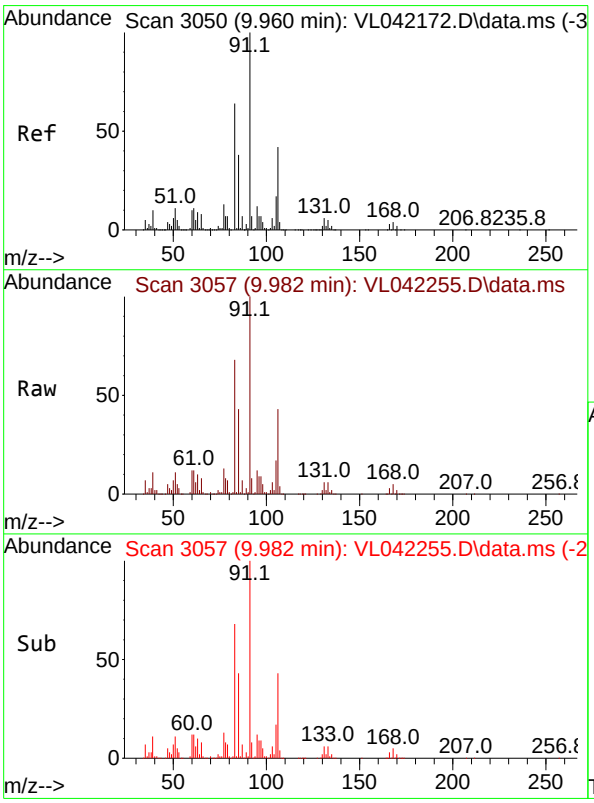
#59
m/p-Xylene
Concen: 10.962 ppbv
RT: 9.571 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 91 Resp: 695111

Ion	Ratio	Lower	Upper
91	100		
106	94.5	36.4	54.6#

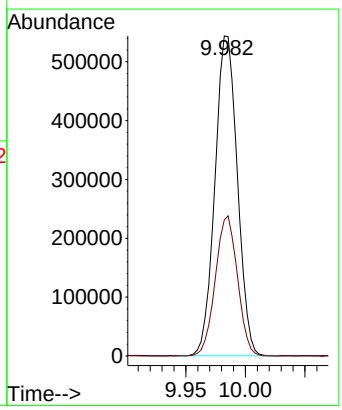


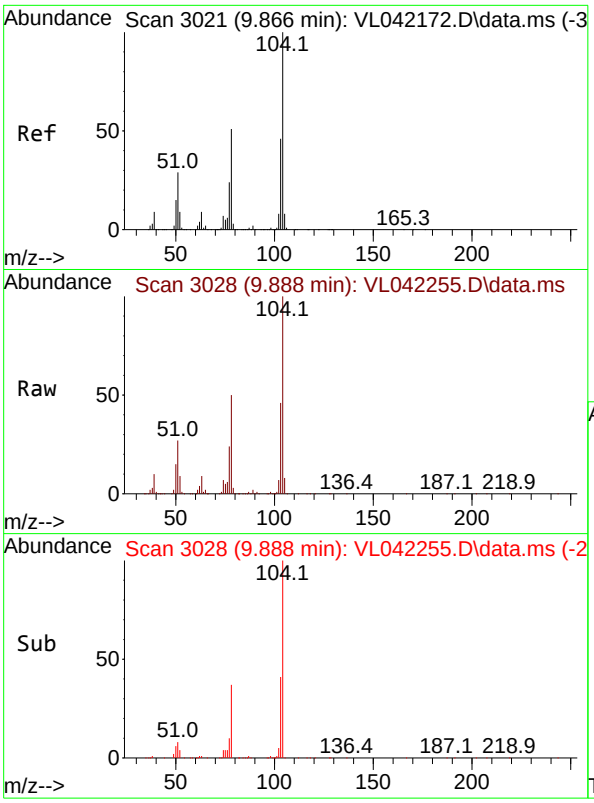


#60
o-Xylene
Concen: 11.194 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 711568

Ion	Ratio	Lower	Upper
91	100		
106	43.2	20.8	62.5



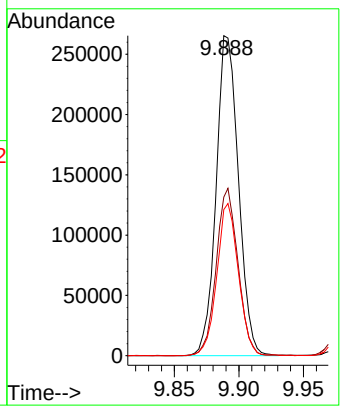


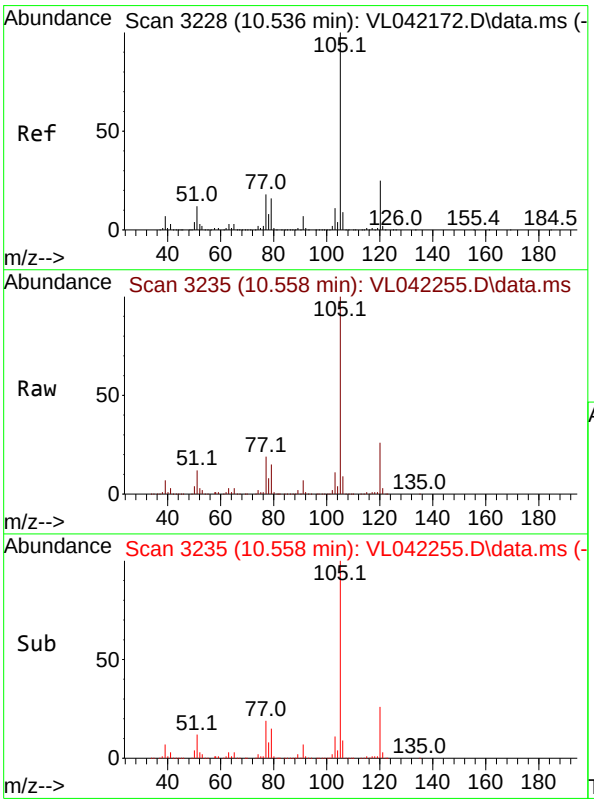
#61
Styrene
Concen: 10.149 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:104 Resp: 319155

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.8	62.6
103	46.2	37.0	55.4

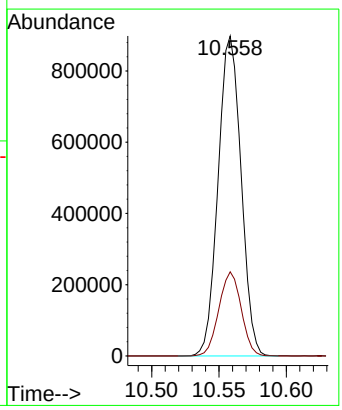


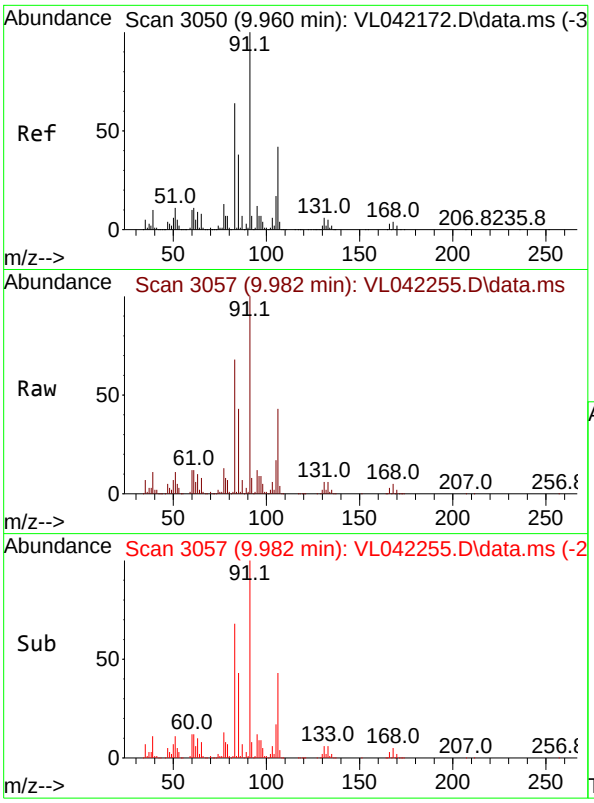


#62
Isopropylbenzene
Concen: 11.193 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 1063992

Ion	Ratio	Lower	Upper
105	100		
120	25.5	19.9	29.9



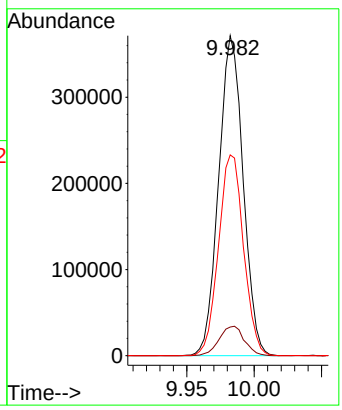


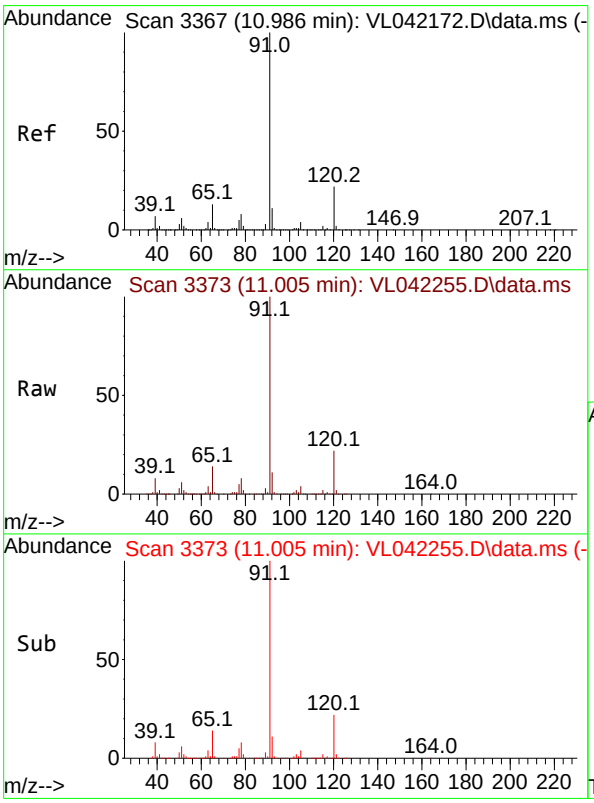
#63
1,1,2,2-Tetrachloroethane
Concen: 12.139 ppbv
RT: 9.982 min Scan# 3
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 83 Resp: 468851

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	64.2	32.5	97.5

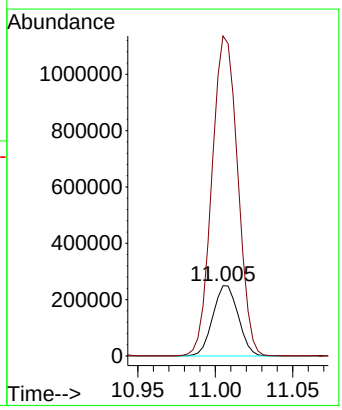


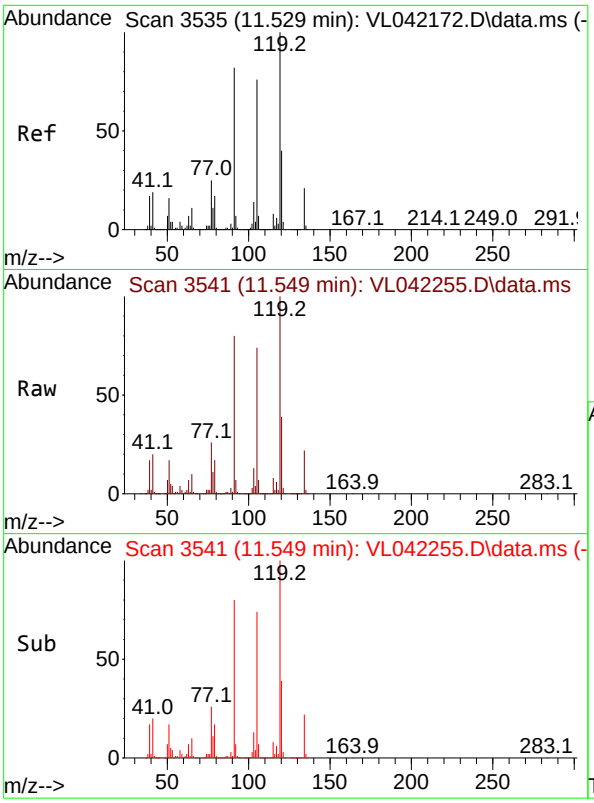


#64
n-propylbenzene
Concen: 11.638 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:120 Resp: 284790

Ion	Ratio	Lower	Upper
120	100		
91	462.1	376.9	565.3



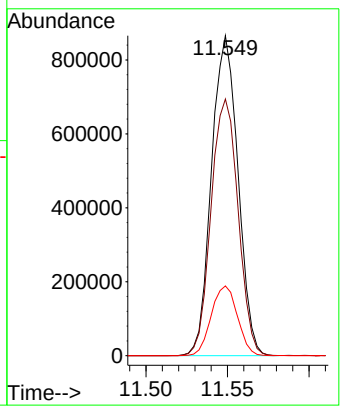


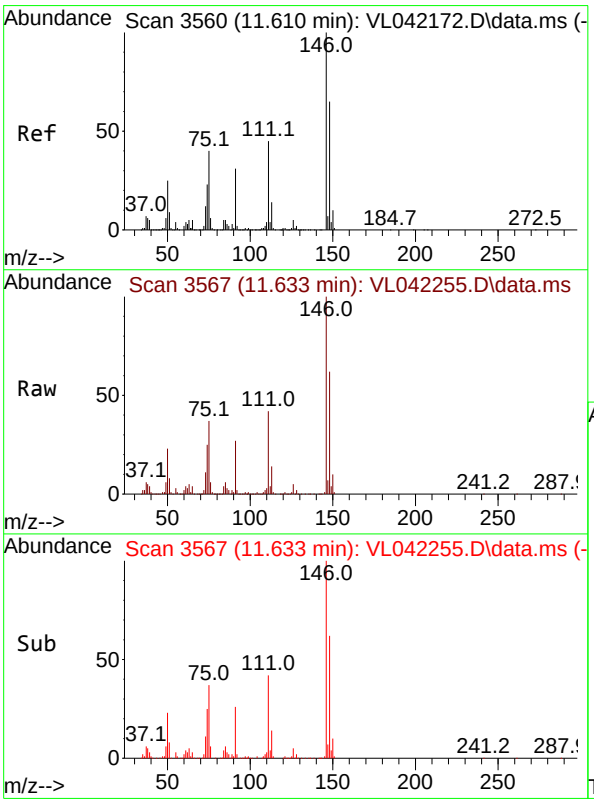
#65
tert-Butylbenzene
Concen: 11.112 ppbv
RT: 11.549 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:119 Resp: 976872

Ion	Ratio	Lower	Upper
119	100		
91	81.9	66.0	99.0
134	21.5	16.7	25.1

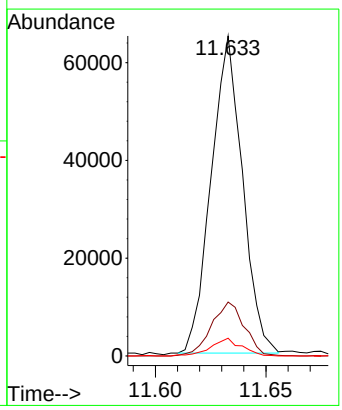


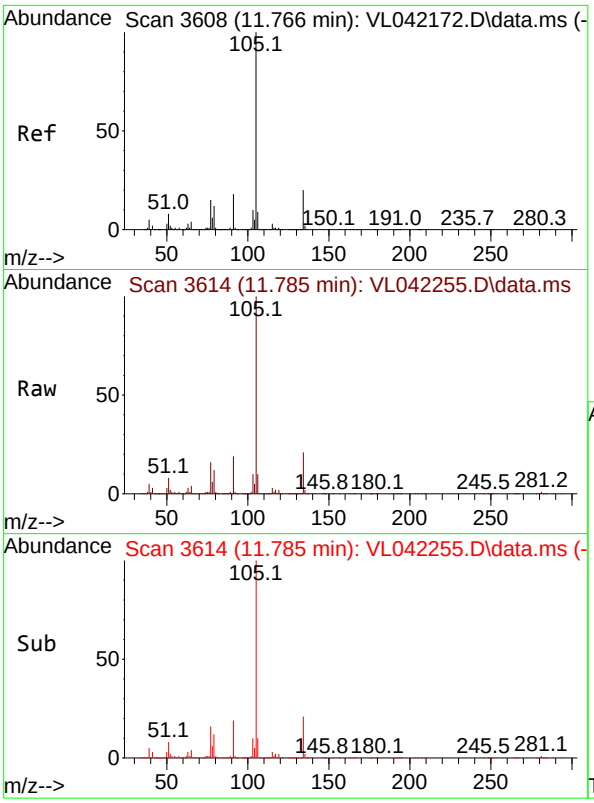


#66
Benzyl Chloride
Concen: 6.860 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 63988

Ion	Ratio	Lower	Upper
91	100		
126	17.9	13.8	20.6
128	5.5	4.5	6.7



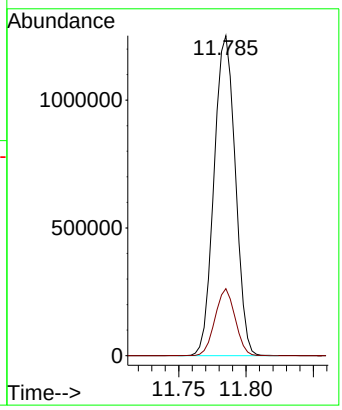


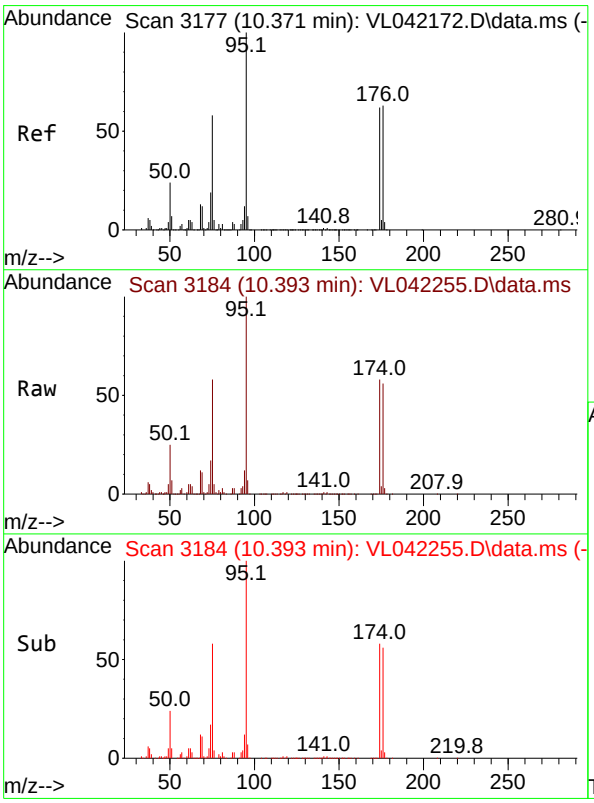
#67
sec-Butylbenzene
Concen: 11.275 ppbv
RT: 11.785 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:105 Resp: 1377726

Ion	Ratio	Lower	Upper
105	100		
134	19.8	15.5	23.3

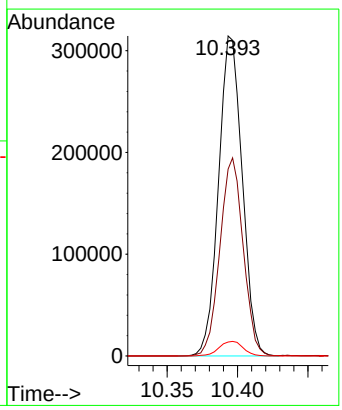


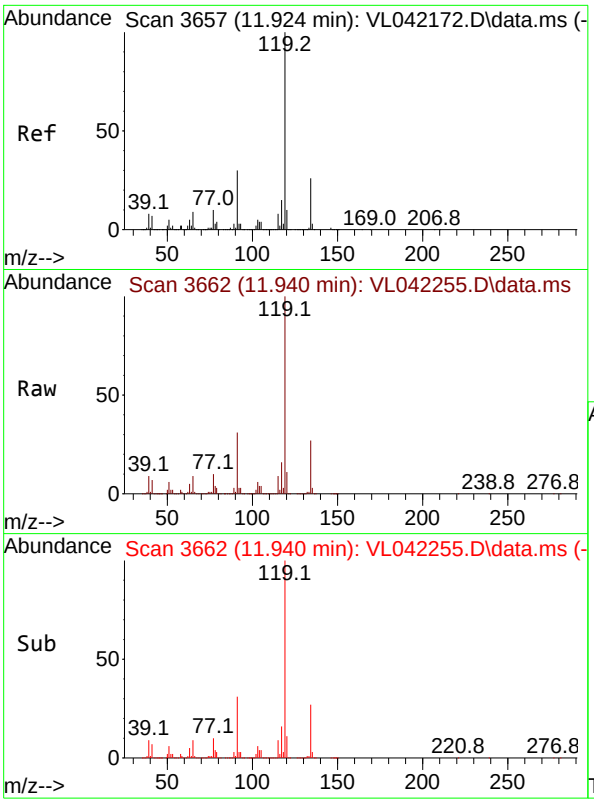


#68
1-Bromo-4-Fluorobenzene
Concen: 10.008 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 95 Resp: 367418

Ion	Ratio	Lower	Upper
95	100		
174	61.1	50.6	76.0
175	4.7	3.8	5.6



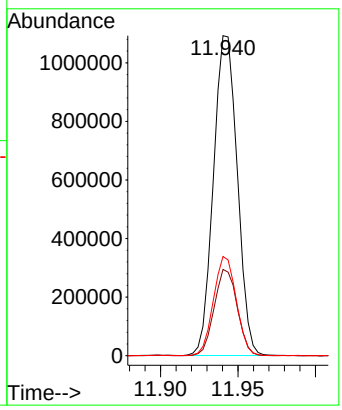


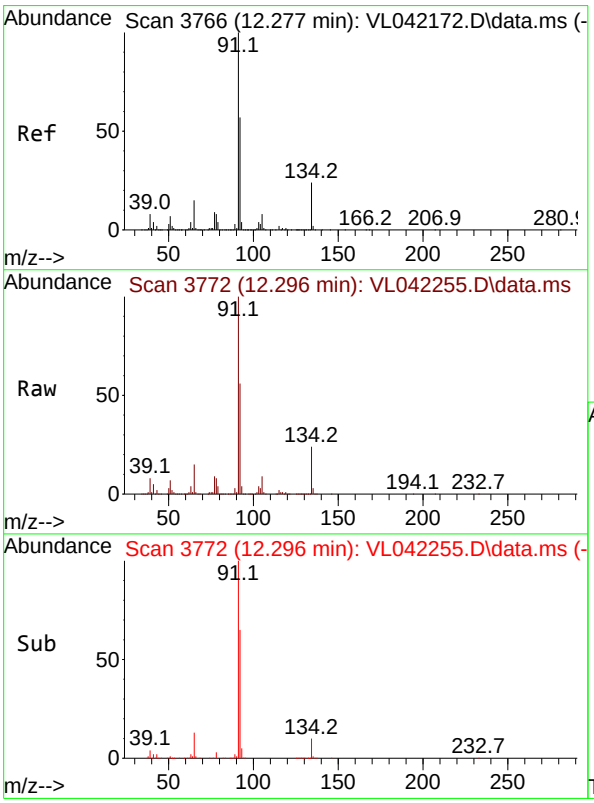
#69
p-Isopropyltoluene
Concen: 11.104 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:119 Resp: 1168405

Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.4	30.6
91	29.9	23.7	35.5

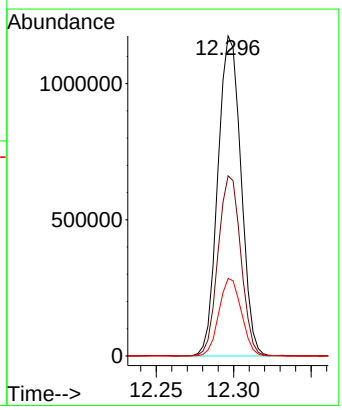


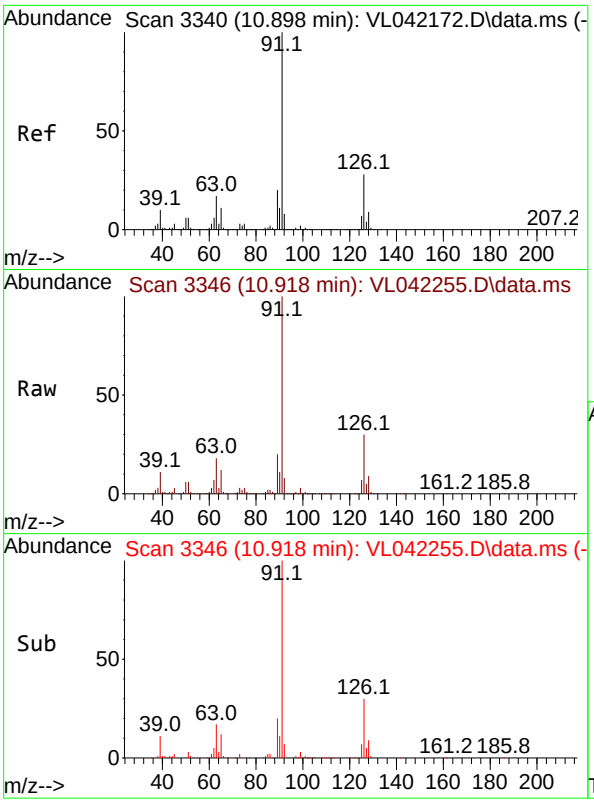


#70
n-Butylbenzene
Concen: 11.312 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion: 91 Resp: 1217247

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.9	67.3
134	23.6	19.2	28.8



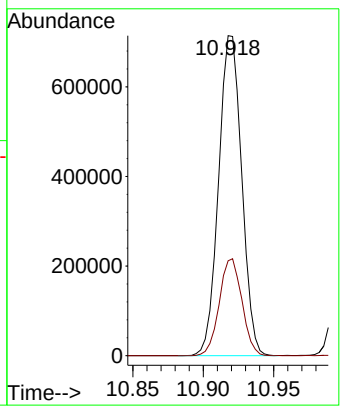


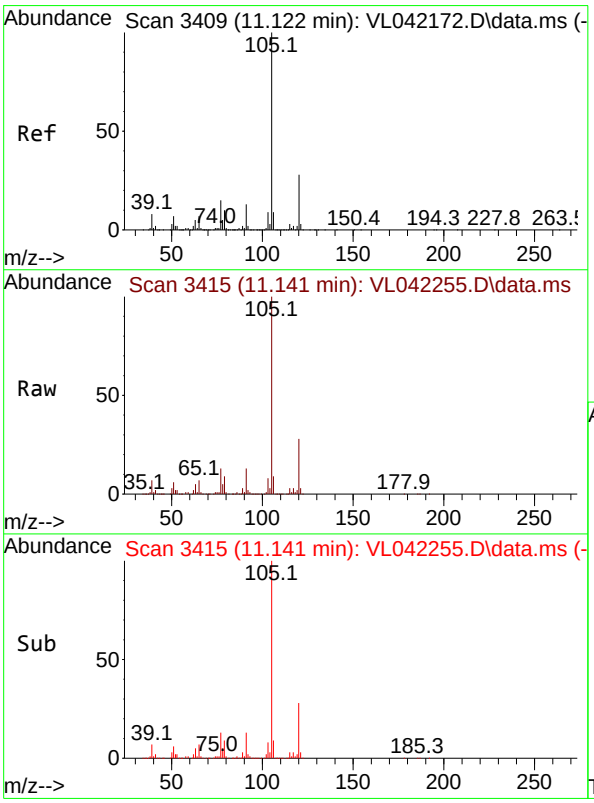
#71
2-Chlorotoluene
Concen: 11.078 ppbv
RT: 10.918 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion: 91 Resp: 817332

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.6	46.4

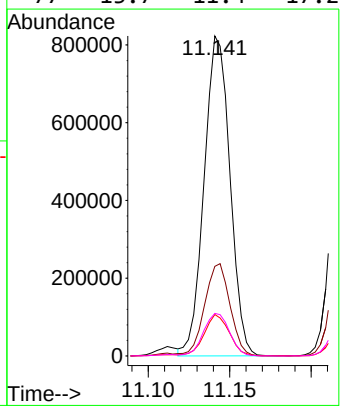


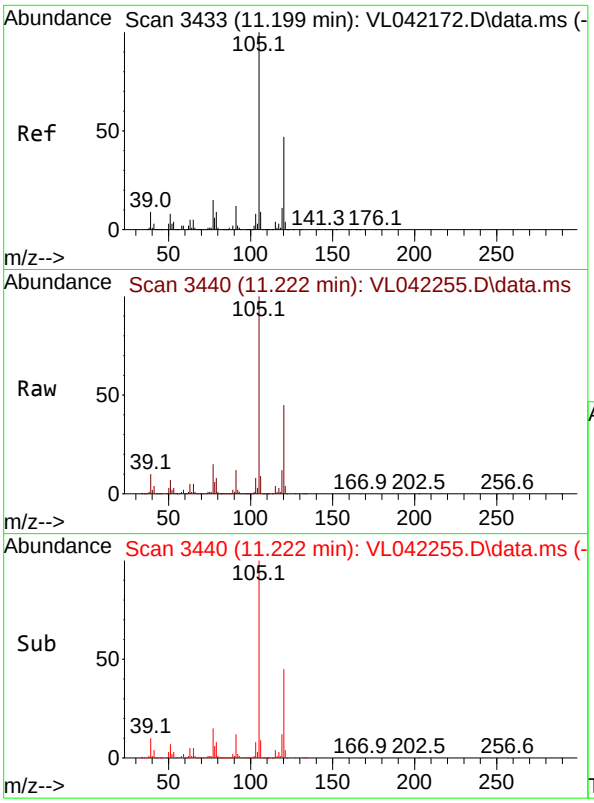


#72
4-Ethyltoluene
Concen: 11.460 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 906994

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.4	35.0
91	12.8	10.3	15.5
77	13.7	11.4	17.2



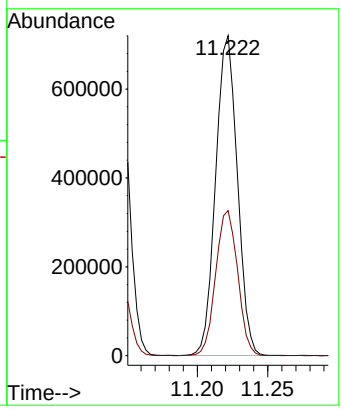


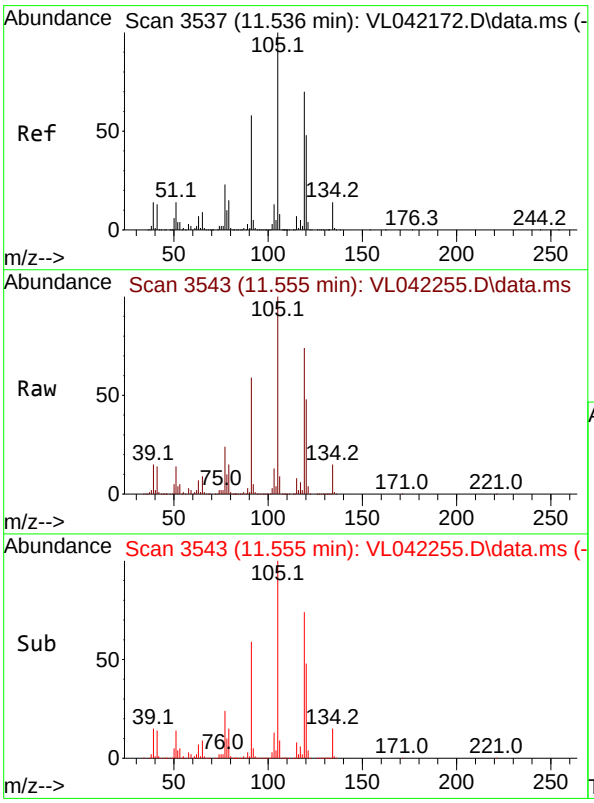
#73
1,3,5-Trimethylbenzene
Concen: 11.187 ppbv
RT: 11.222 min Scan# 34
Delta R.T. 0.023 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:105 Resp: 773328

Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.4	56.0

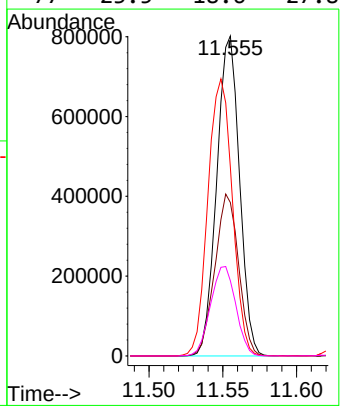


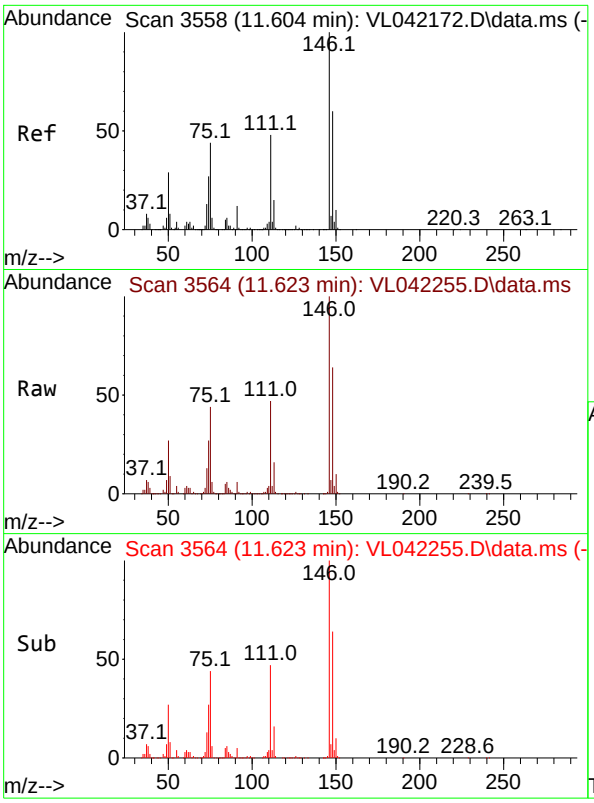


#74
1,2,4-Trimethylbenzene
Concen: 10.827 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:105 Resp: 862179

Ion	Ratio	Lower	Upper
105	100		
120	47.9	38.6	58.0
91	59.0	46.2	69.2
77	23.5	18.6	27.8



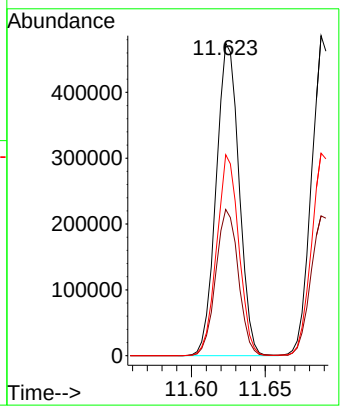


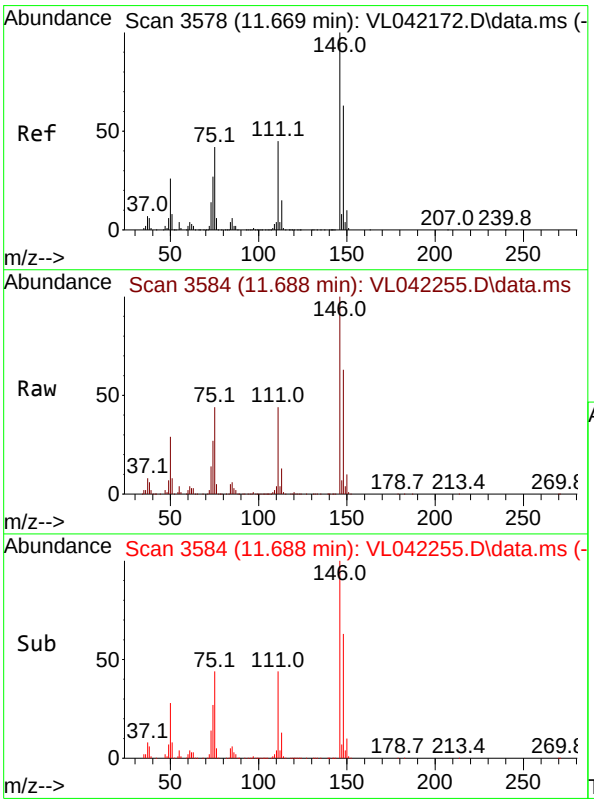
#75
1,3-Dichlorobenzene
Concen: 11.739 ppbv
RT: 11.623 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:146 Resp: 512731

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.8	71.2
148	62.2	31.9	95.9

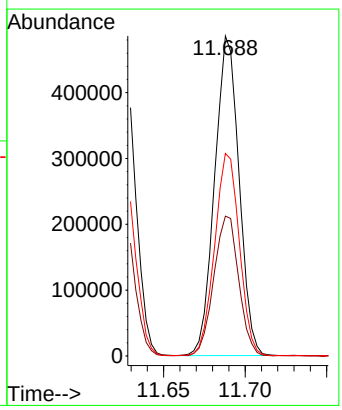


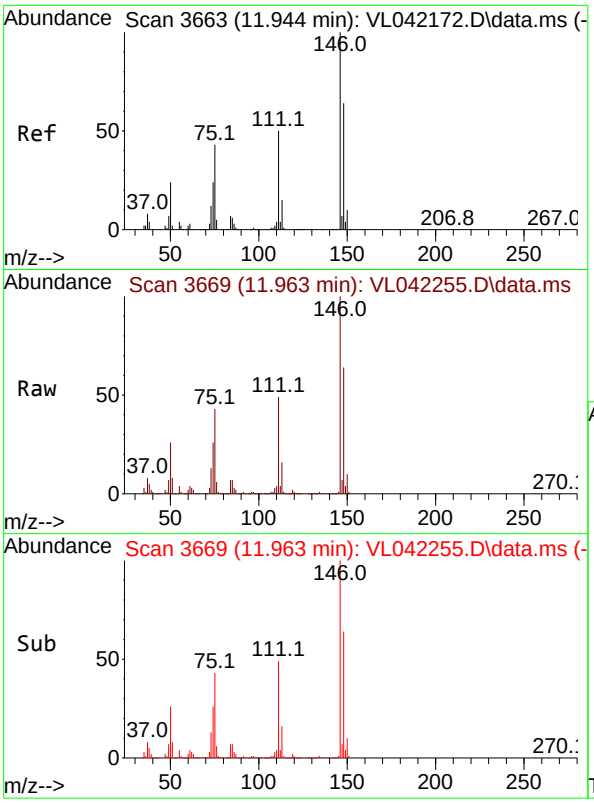


#76
1,4-Dichlorobenzene
Concen: 11.619 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:146 Resp: 505049

Ion	Ratio	Lower	Upper
146	100		
111	44.9	23.0	69.0
148	64.4	31.9	95.7



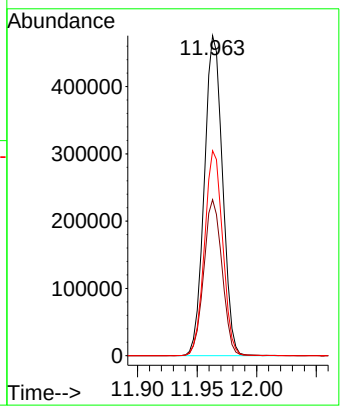


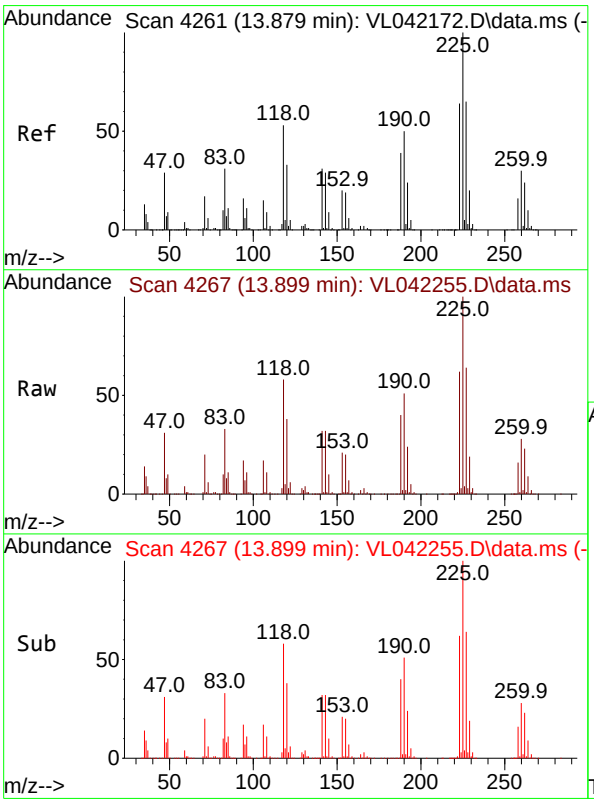
#77
1,2-Dichlorobenzene
Concen: 11.883 ppbv
RT: 11.963 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:146 Resp: 505323

Ion	Ratio	Lower	Upper
146	100		
111	48.9	24.8	74.3
148	63.8	31.6	94.8

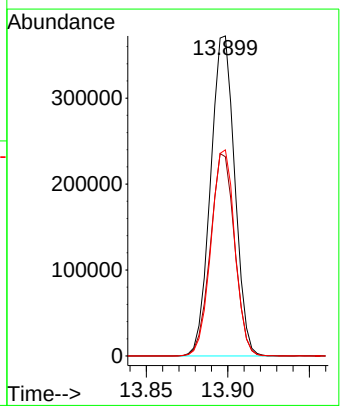


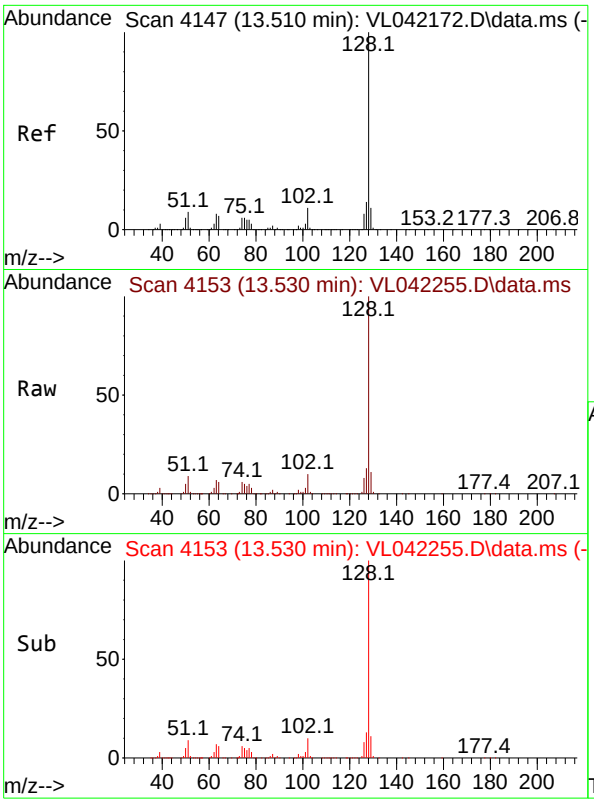


#78
Hexachloro-1,3-Butadiene
Concen: 8.845 ppbv
RT: 13.899 min Scan# 4267
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:225 Resp: 382876

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	63.4	51.2	76.8



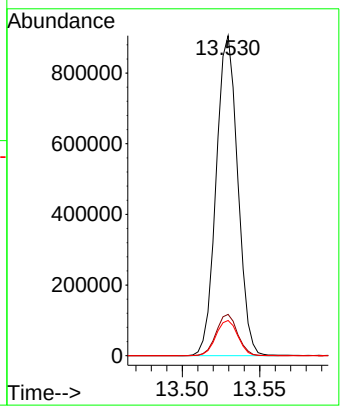


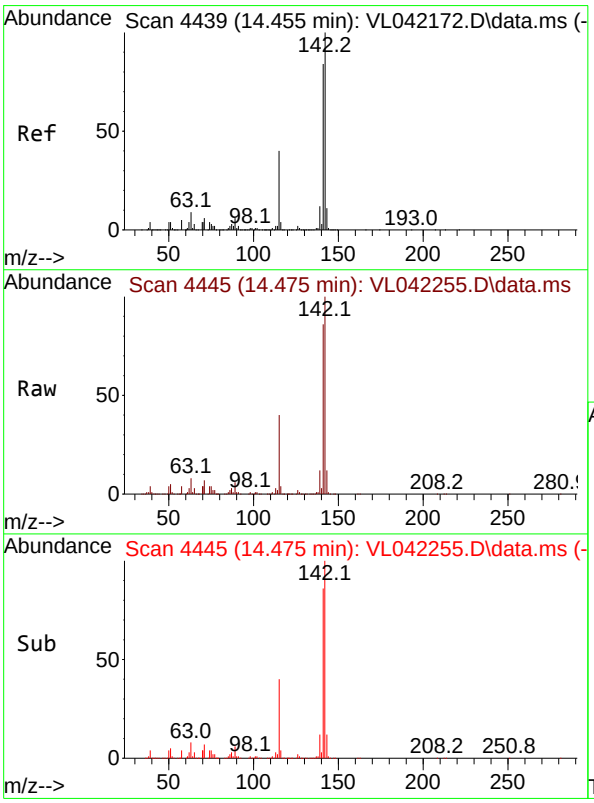
#79
Naphthalene
Concen: 10.055 ppbv
RT: 13.530 min Scan# 4
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:128 Resp: 875824

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	11.0	9.0	13.4

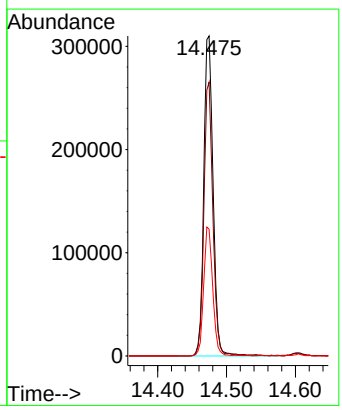


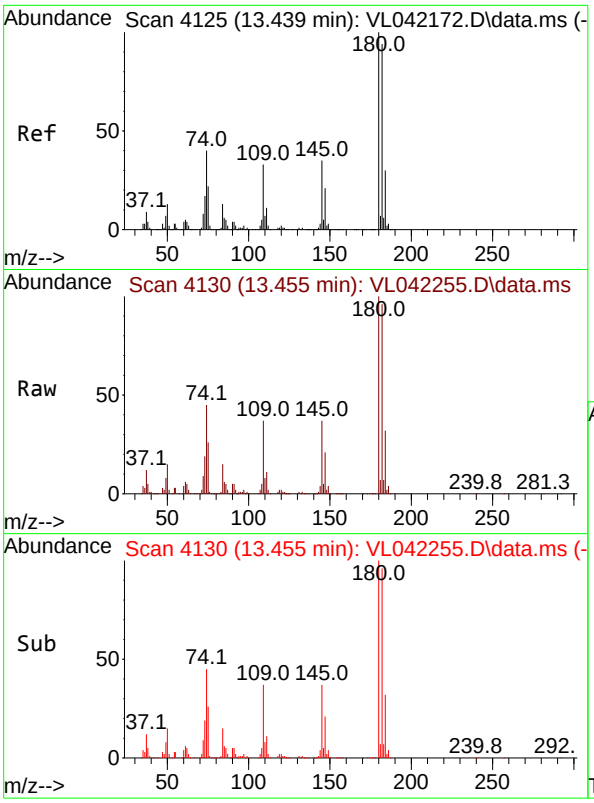


#80
Naphthalene,2-methyl-
Concen: 6.815 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.019 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Tgt Ion:142 Resp: 291105

Ion	Ratio	Lower	Upper
142	100		
141	82.7	66.3	99.5
115	39.6	31.6	47.4



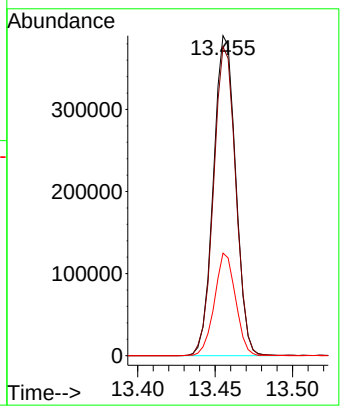


#81
1,2,4-Trichlorobenzene
Concen: 9.672 ppbv
RT: 13.455 min Scan# 4
Delta R.T. 0.016 min
Lab File: VL042255.D
Acq: 08 Apr 2025 10:05

Instrument :
MSVOA_L
ClientSampleId :
VL0408ABS01

Tgt Ion:180 Resp: 388605

Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.1	112.7
184	30.5	24.4	36.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Quant Time: Apr 09 01:52:47 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	2.803	49	196935	10.000	ppbv		0.02
33) 1,4-Difluorobenzene	3.981	114	510940	10.000	ppbv		0.03
55) Chlorobenzene-d5	8.904	117	446395	10.000	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.393	95	365114	9.960	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.505	85	10848	0.373	ppbv		92
3) Chlorodifluoromethane	1.482	51	12055	0.406	ppbv		93
4) Chloromethane	1.537	50	4839	0.407	ppbv	#	81
9) Propene	1.894	41	198833	14.604	ppbv		87
11) Trichlorofluoromethane	1.887	101	5679	0.201	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.152	101	1514	0.065	ppbv		86
13) Ethanol	1.894	45	1694950	1316.893	ppbv	#	31
15) Acetone	1.842	43	1059776	38.478	ppbv		100
16) 1,3-Butadiene	1.609	39	8145	0.606	ppbv	#	31
17) tert-Butyl alcohol	2.055	59	6118	0.178	ppbv		97
19) Isopropyl Alcohol	1.894	45	1694950	109.070	ppbv	#	32
20) Methylene Chloride	2.072	84	6489	0.633	ppbv	#	74
21) Allyl Chloride	1.971	41	3955	0.204	ppbv	#	21
23) Vinyl Acetate	2.486	43	7084	0.594	ppbv	#	63
25) Ethyl Acetate	2.845	43	8388	0.117	ppbv	#	88
26) Hexane	2.839	57	7856	0.285	ppbv	#	37
29) Chloroform	2.861	83	15580	0.386	ppbv		96
34) 2-Butanone	2.573	43	16376	0.442	ppbv		99
35) Carbon Tetrachloride	3.780	117	1520	0.038	ppbv		91
36) Benzene	3.680	78	8061	0.159	ppbv		95
39) 1,2-Dichloropropane	3.981	63	131794	7.144	ppbv	#	22
51) 2-Hexanone	7.480	43	2024	0.042	ppbv	#	28
53) Toluene	6.962	91	42966	0.716	ppbv		96
57) Chlorobenzene	8.940	112	1324	0.031	ppbv	#	55
58) Ethyl Benzene	9.377	91	106361	1.341	ppbv		96
59) m/p-Xylene	9.551	91	400289	6.322	ppbv		98
60) o-Xylene	9.985	91	78832	1.242	ppbv		99
61) Styrene	9.888	104	11084	0.353	ppbv		94
72) 4-Ethyltoluene	11.141	105	8715	0.110	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.218	105	8928	0.129	ppbv		86
74) 1,2,4-Trimethylbenzene	11.552	105	28863	0.363	ppbv	#	65
80) Naphthalene,2-methyl-	14.481	142	1713	0.040	ppbv		96

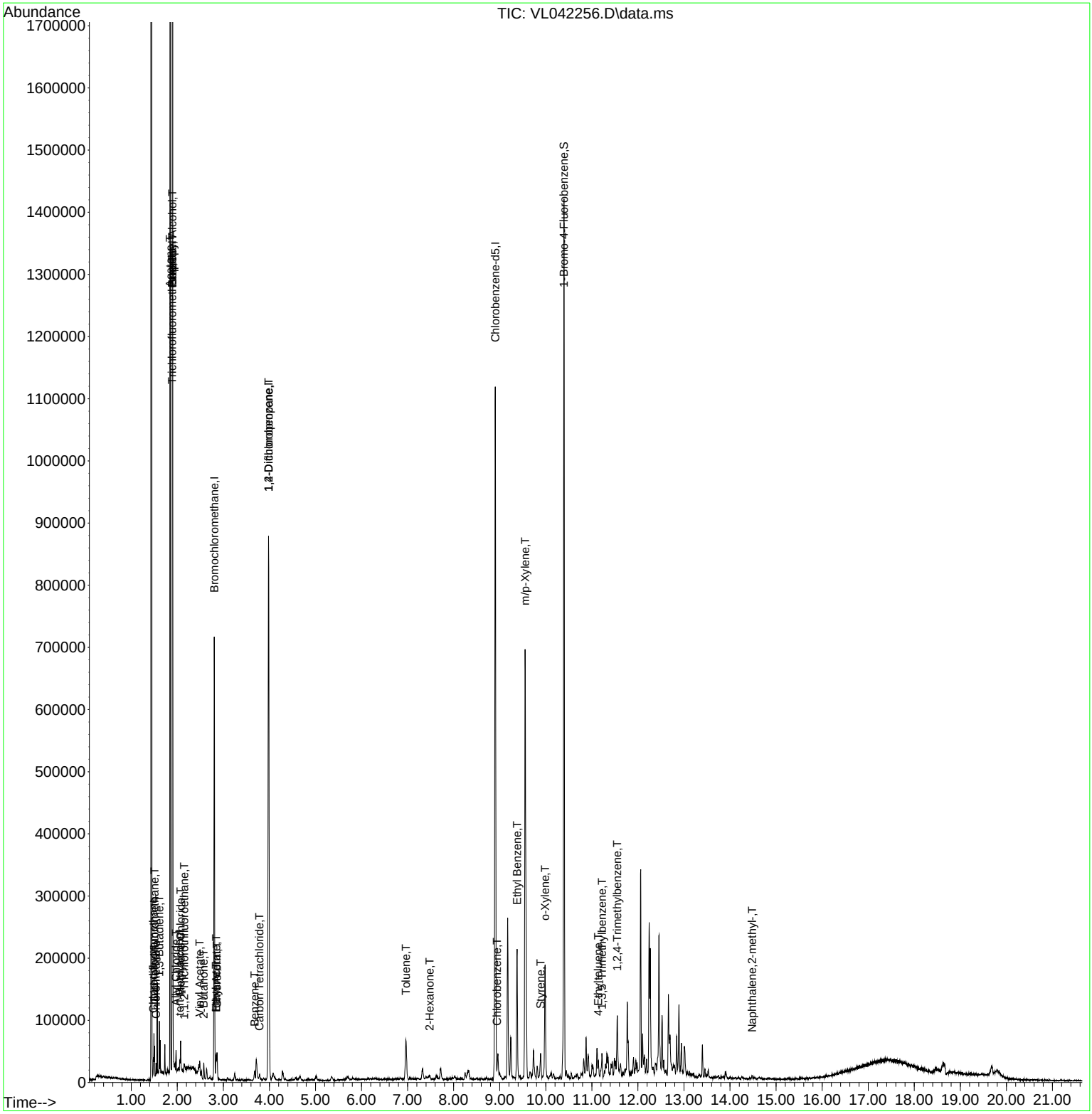
(#) = qualifier out of range (m) = manual integration (+) = signals summed

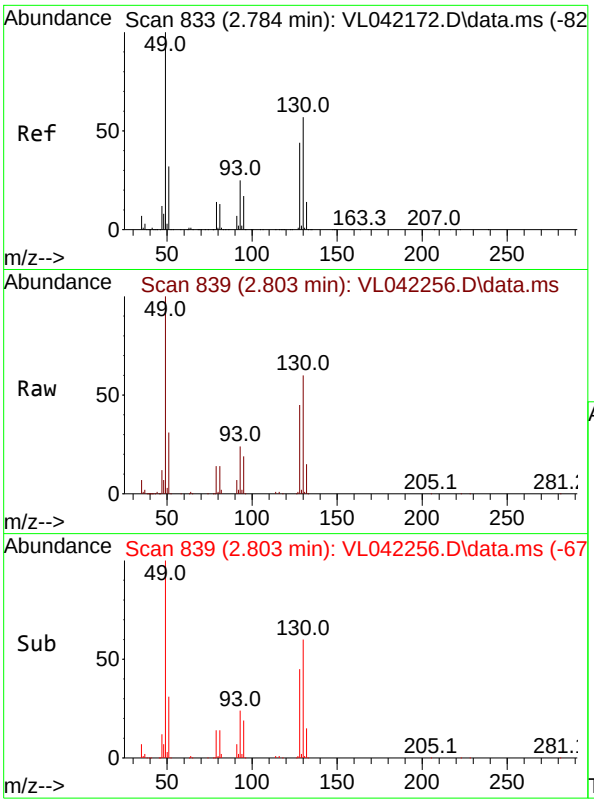
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
Data File : VL042256.D
Acq On : 08 Apr 2025 10:55
Operator : SY/MD
Sample : Q1725-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Quant Time: Apr 09 01:52:47 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



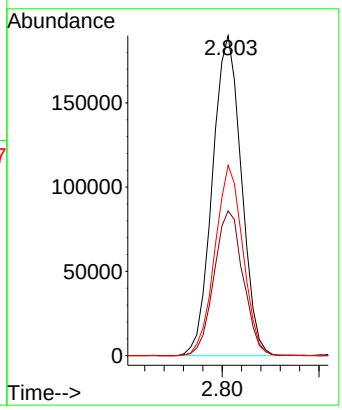


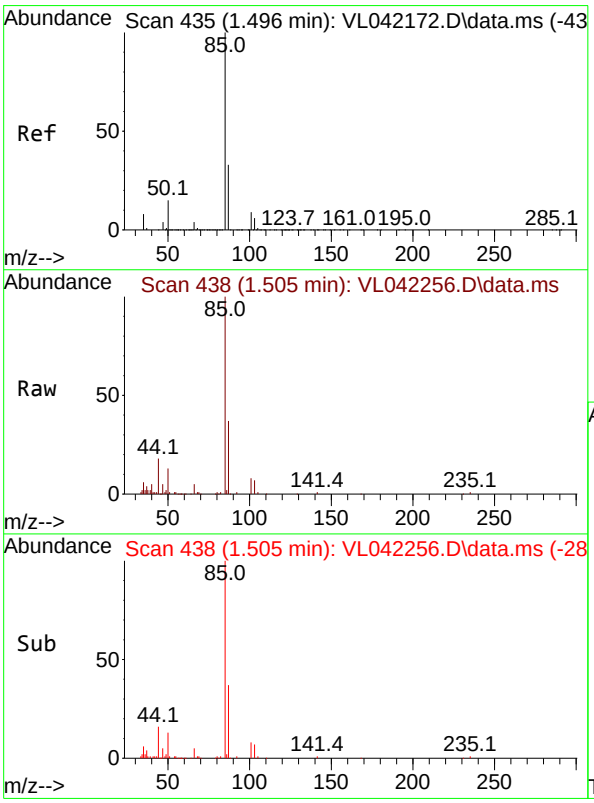
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 49 Resp: 196935

Ion	Ratio	Lower	Upper
49	100		
128	45.6	22.9	68.5
130	57.9	28.8	86.4

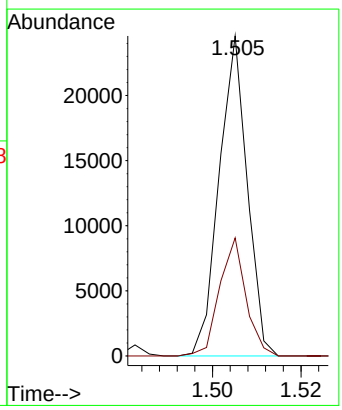


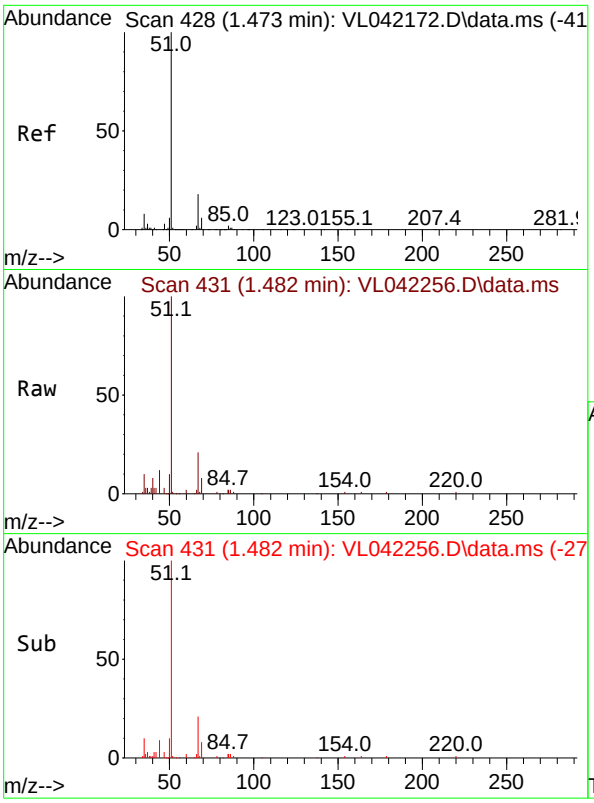


#2
Dichlorodifluoromethane
Concen: 0.373 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 85 Resp: 10848

Ion	Ratio	Lower	Upper
85	100		
87	36.9	26.1	39.1



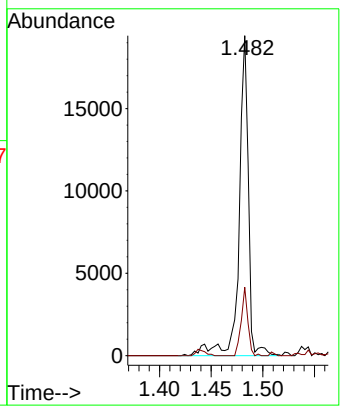


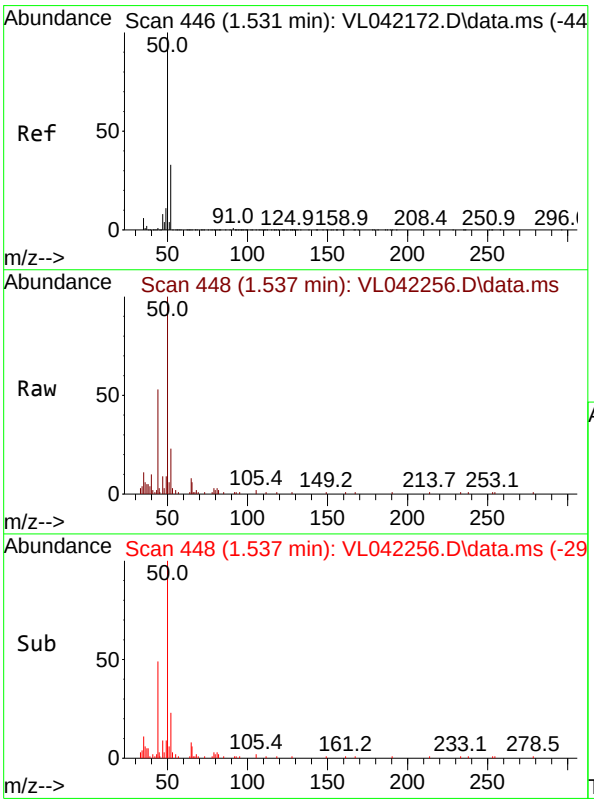
#3
Chlorodifluoromethane
Concen: 0.406 ppbv
RT: 1.482 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 51 Resp: 12055

Ion	Ratio	Lower	Upper
51	100		
67	15.8	15.0	22.6

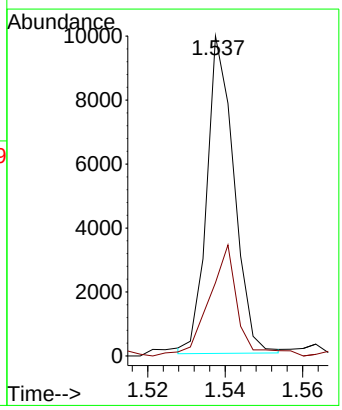


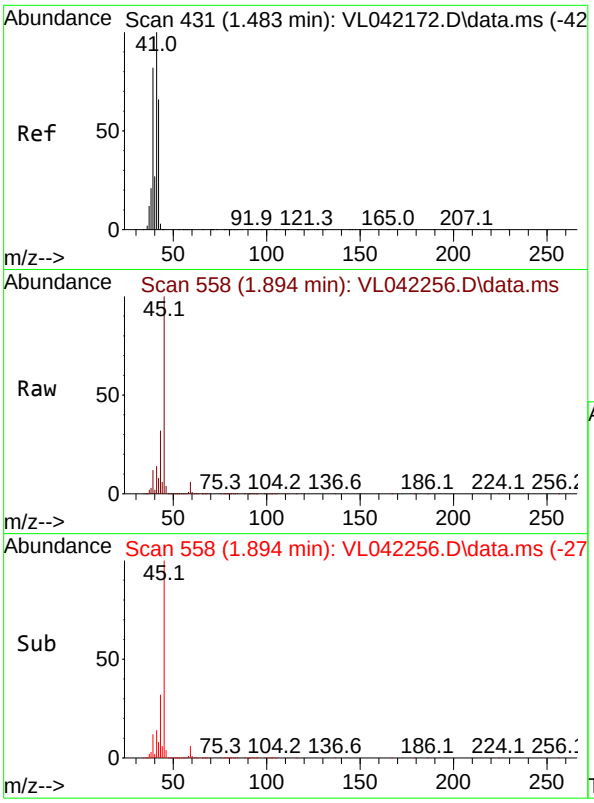


#4
Chloromethane
Concen: 0.407 ppbv
RT: 1.537 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 50 Resp: 4839

Ion	Ratio	Lower	Upper
50	100		
52	22.1	26.1	39.1#



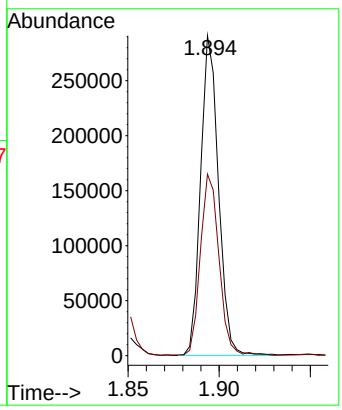


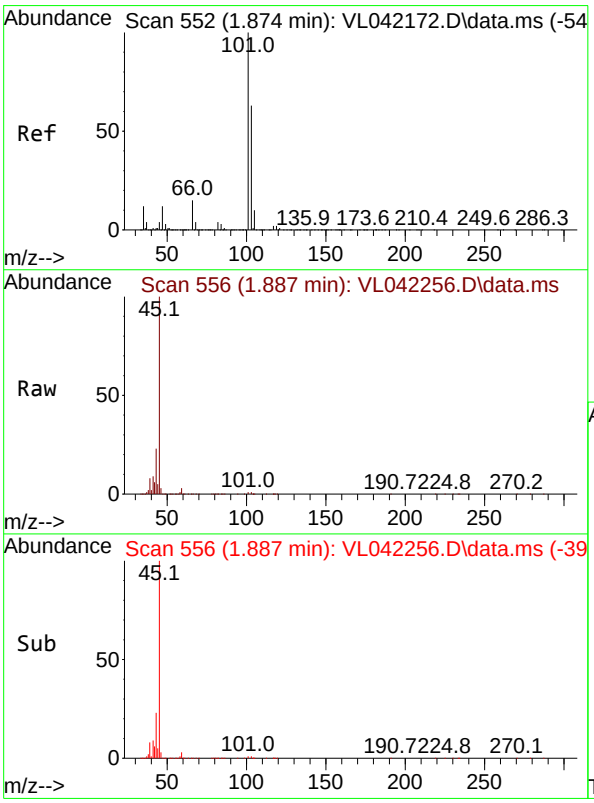
#9
Propene
Concen: 14.604 ppbv
RT: 1.894 min Scan# 5
Delta R.T. 0.411 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 41 Resp: 198833

Ion	Ratio	Lower	Upper
41	100		
42	58.8	55.4	83.2

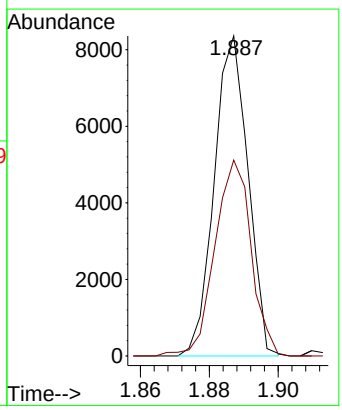


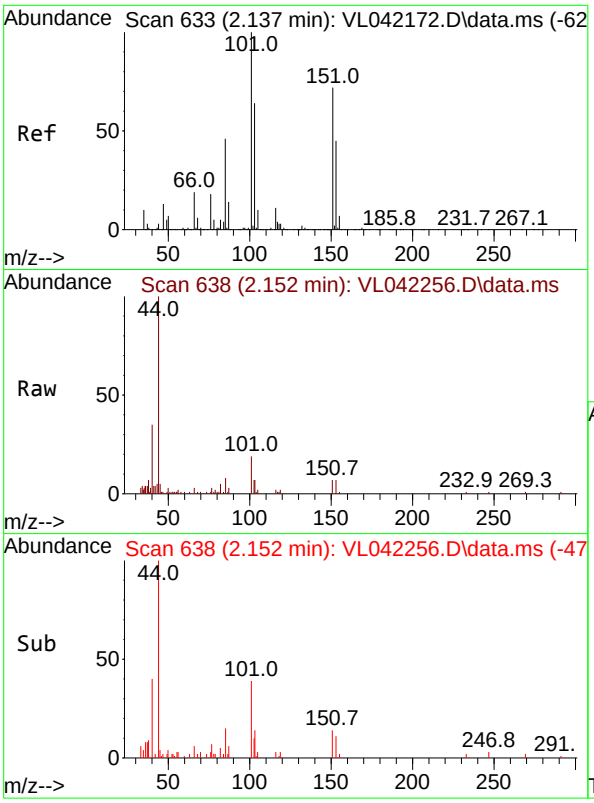


#11
Trichlorofluoromethane
Concen: 0.201 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.013 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:101 Resp: 5679

Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.2	75.2



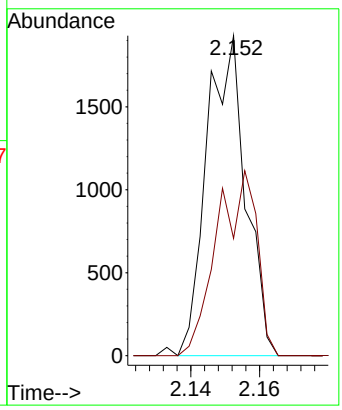


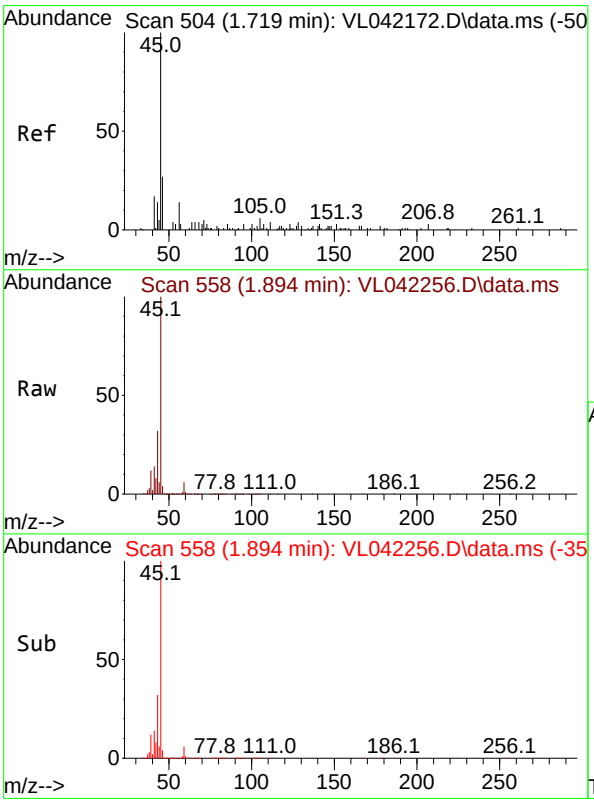
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.065 ppbv
RT: 2.152 min Scan# 6
Delta R.T. 0.016 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion:101 Resp: 1514

Ion	Ratio	Lower	Upper
101	100		
151	59.4	57.1	85.7

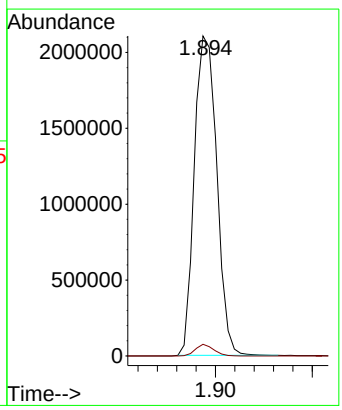


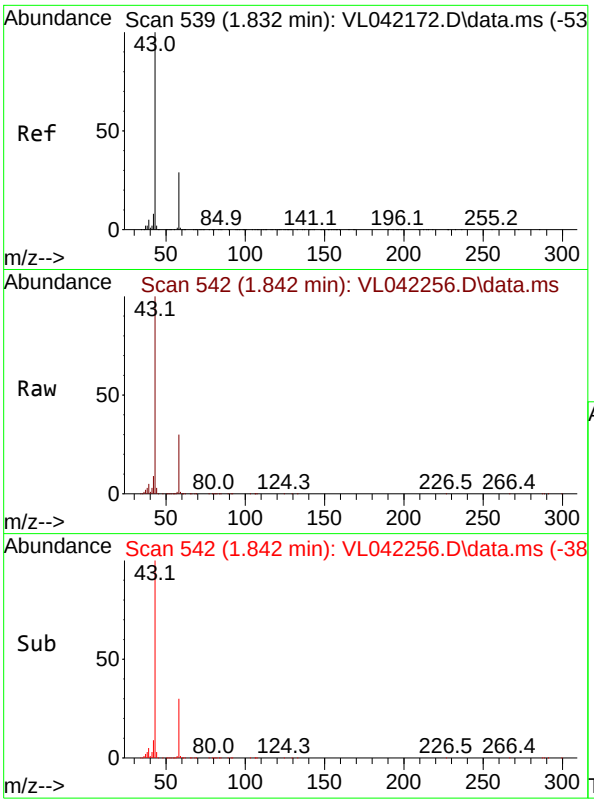


#13
Ethanol
Concen: 1316.893 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.174 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 45 Resp: 1694950

Ion	Ratio	Lower	Upper
45	100		
46	3.0	20.2	80.8#



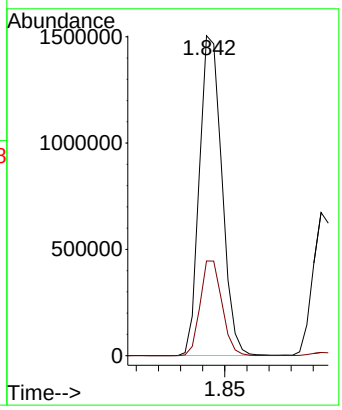


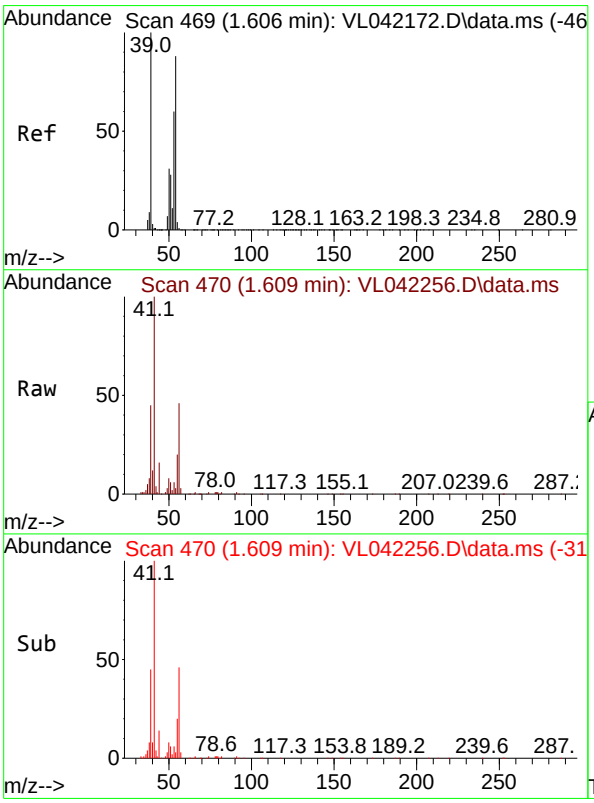
#15
Acetone
Concen: 38.478 ppbv
RT: 1.842 min Scan# 54
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 43 Resp: 1059776

Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.2	34.8

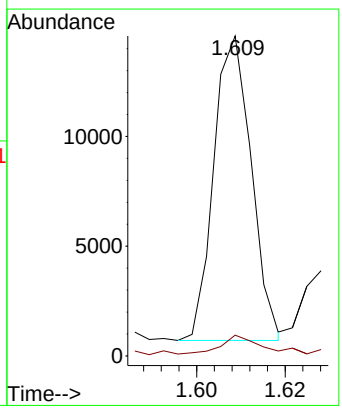


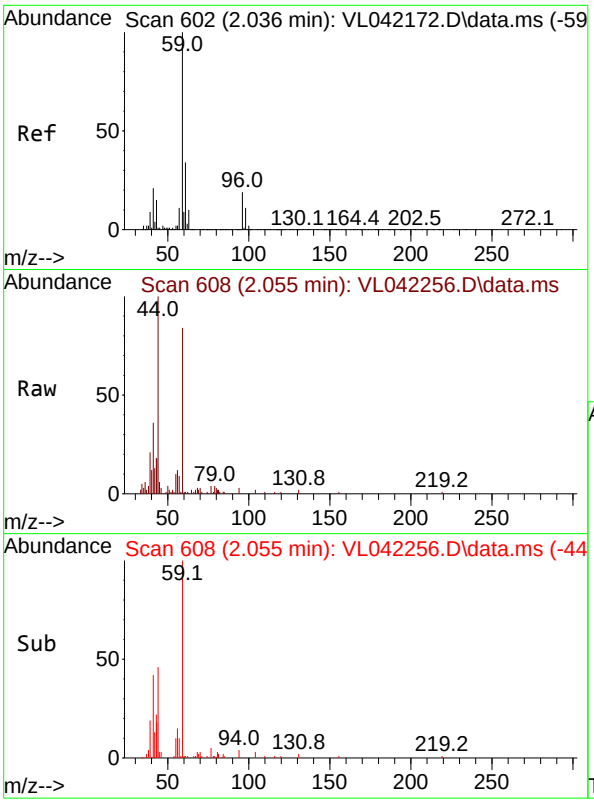


#16
1,3-Butadiene
Concen: 0.606 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 39 Resp: 8145

Ion	Ratio	Lower	Upper
39	100		
54	16.8	60.7	91.1#



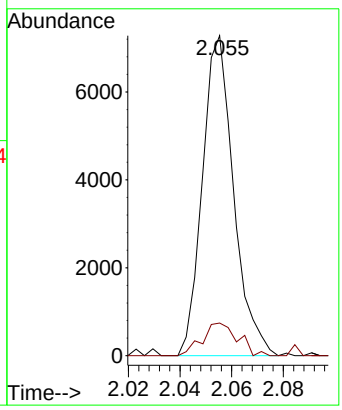


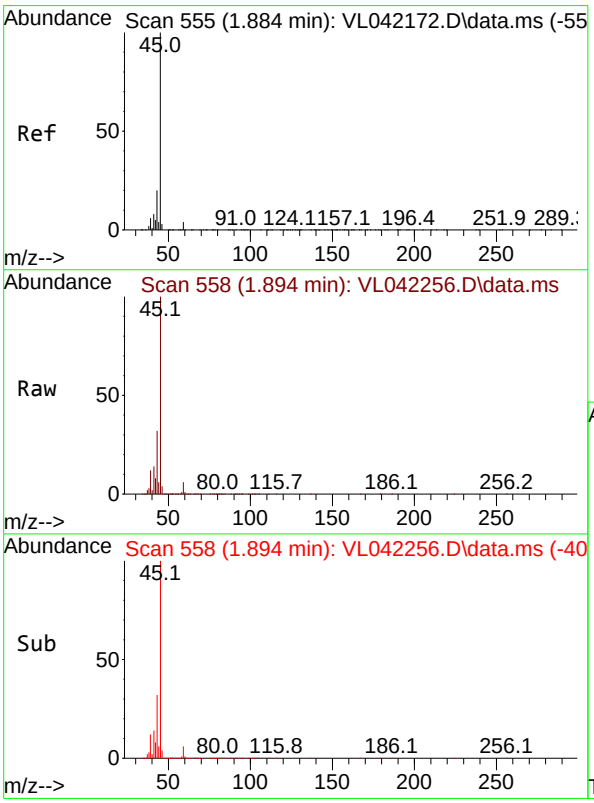
#17
tert-Butyl alcohol
Concen: 0.178 ppbv
RT: 2.055 min Scan# 6
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 59 Resp: 6118

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.9	13.3

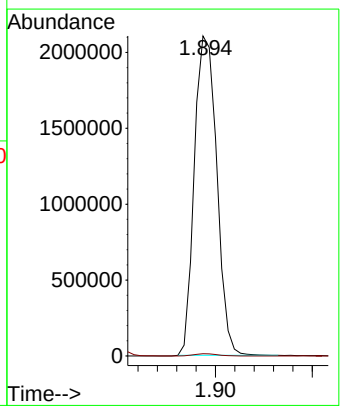


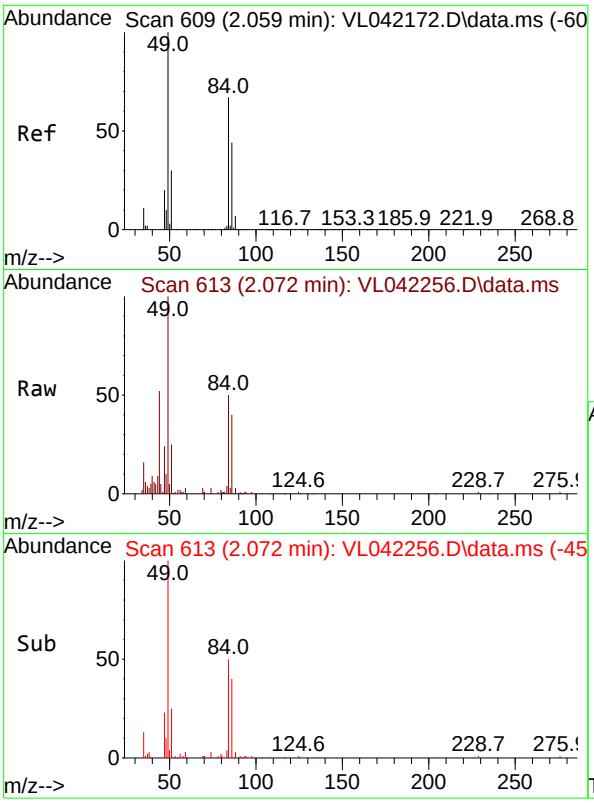


#19
Isopropyl Alcohol
Concen: 109.070 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.009 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 45 Resp: 1694950

Ion	Ratio	Lower	Upper
45	100		
58	0.8	36.9	55.3#



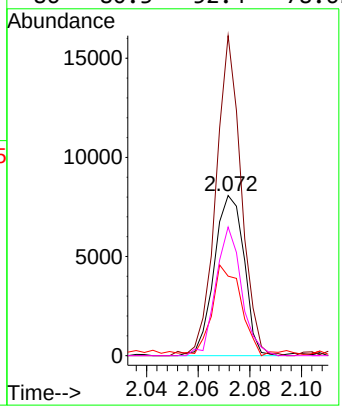


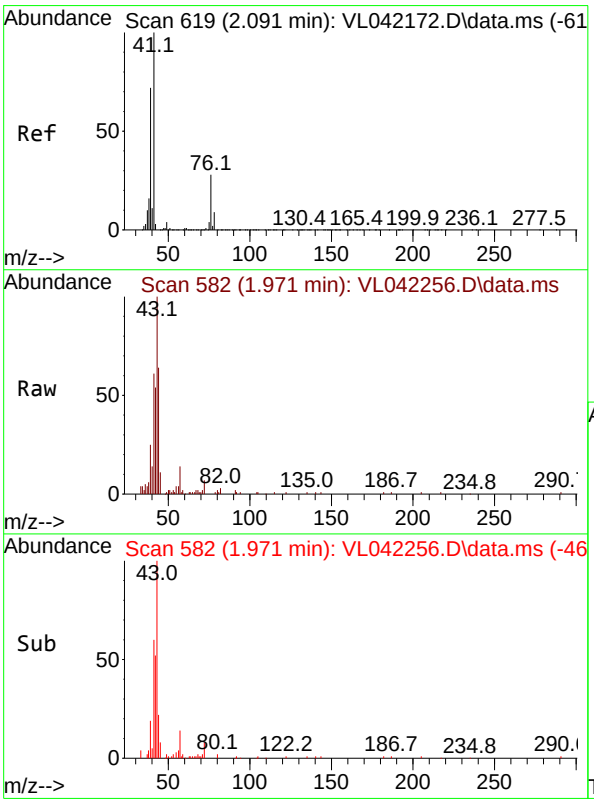
#20
Methylene Chloride
Concen: 0.633 ppbv
RT: 2.072 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 84 Resp: 6489

Ion	Ratio	Lower	Upper
84	100		
49	197.4	120.2	180.4#
51	48.0	37.4	56.0
86	80.3	52.4	78.6#

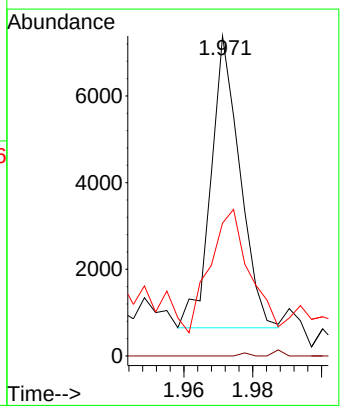


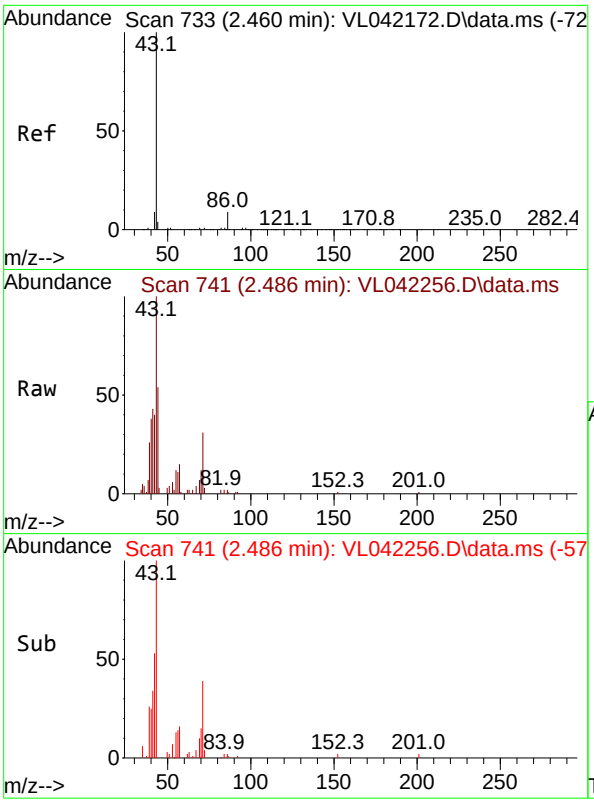


#21
Allyl Chloride
Concen: 0.204 ppbv
RT: 1.971 min Scan# 582
Delta R.T. -0.120 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 41 Resp: 3955

Ion	Ratio	Lower	Upper
41	100		
76	0.8	24.1	36.1#
39	0.0	61.1	91.7#



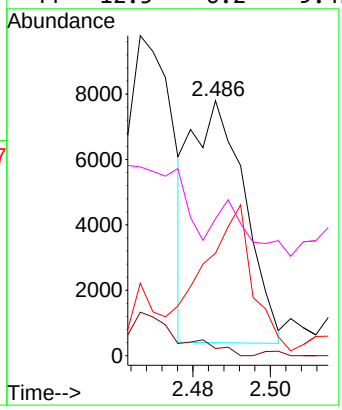


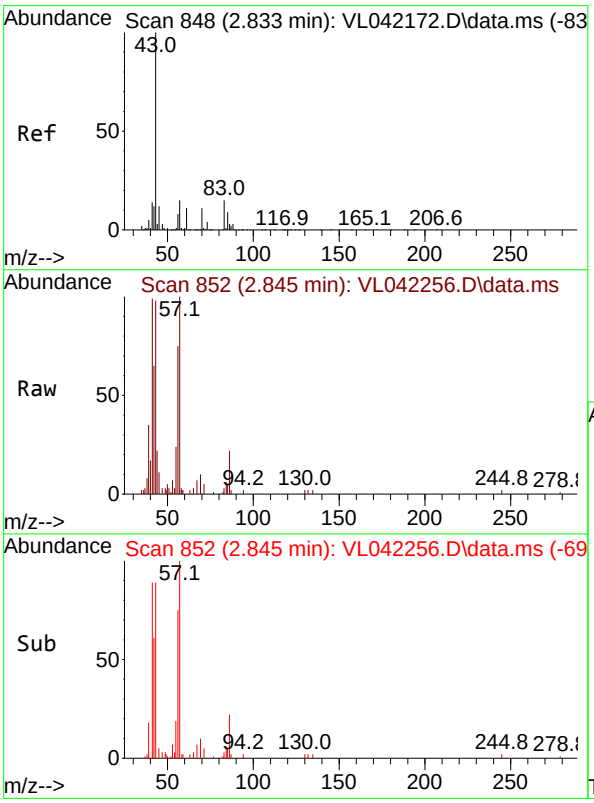
#23
Vinyl Acetate
Concen: 0.594 ppbv
RT: 2.486 min Scan# 74
Delta R.T. 0.026 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 43 Resp: 7084

Ion	Ratio	Lower	Upper
43	100		
86	1.2	5.5	8.3#
42	36.2	8.6	13.0#
44	12.5	6.2	9.4#

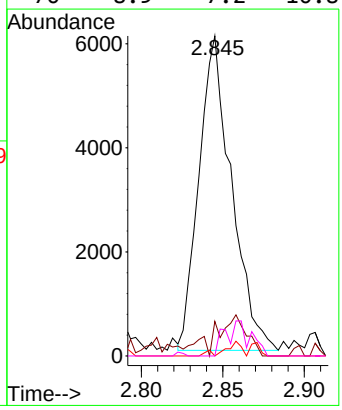


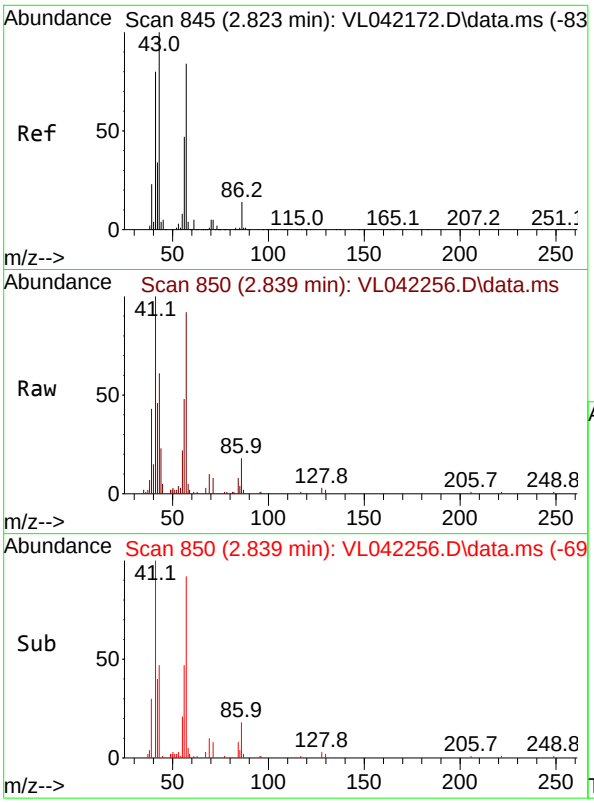


#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.013 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 43 Resp: 8388

Ion	Ratio	Lower	Upper
43	100		
45	16.9	8.2	12.2#
61	3.5	7.3	10.9#
70	8.9	7.2	10.8



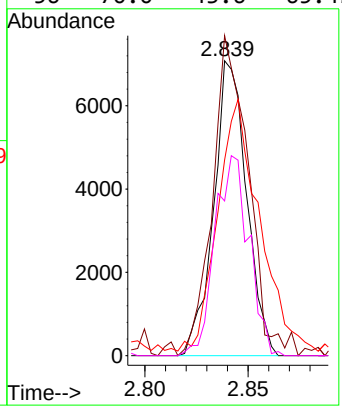


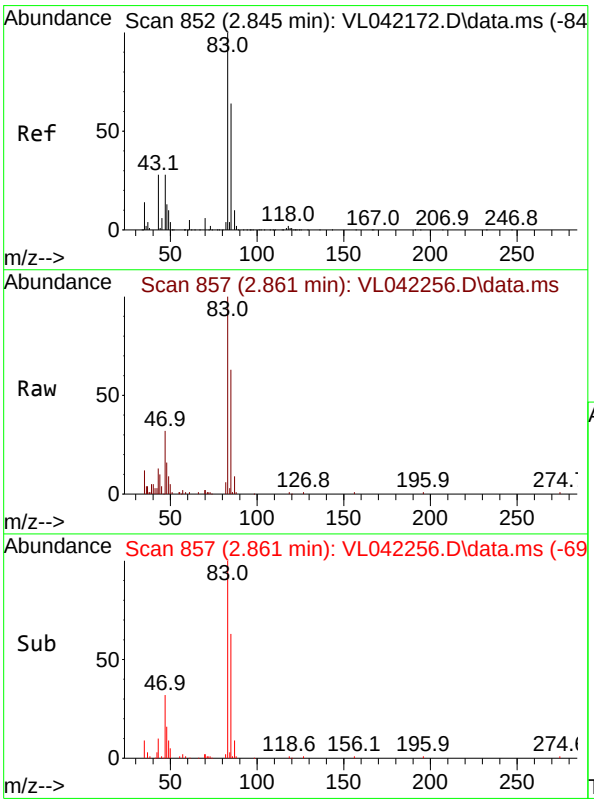
#26
Hexane
Concen: 0.285 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.016 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 57 Resp: 7856

Ion	Ratio	Lower	Upper
57	100		
41	121.0	76.6	114.8#
43	107.6	207.8	311.8#
56	70.0	43.6	65.4#

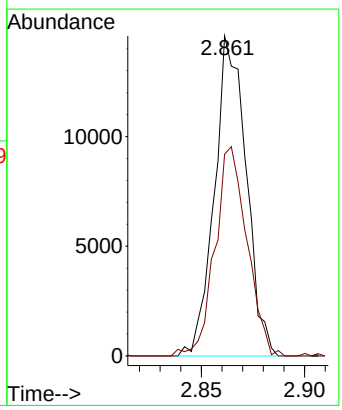


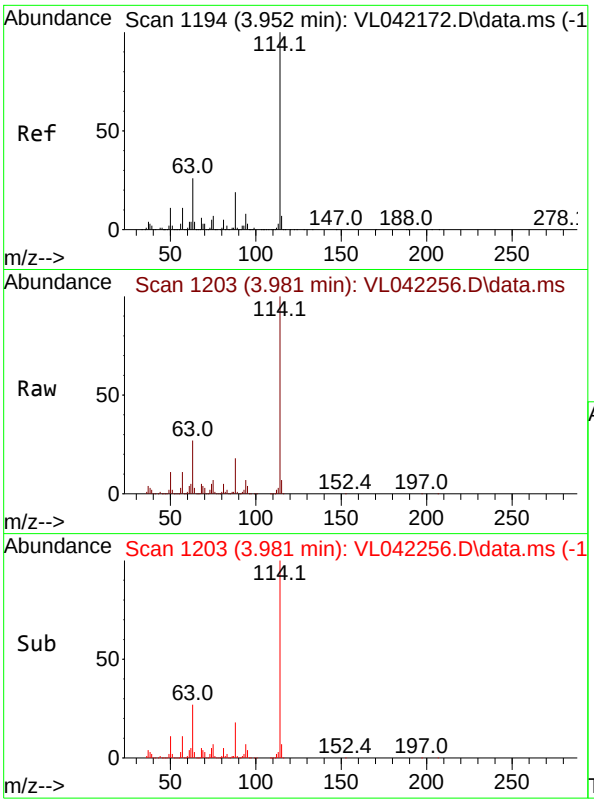


#29
Chloroform
Concen: 0.386 ppbv
RT: 2.861 min Scan# 857
Delta R.T. 0.016 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 83 Resp: 15580

Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.4	77.2



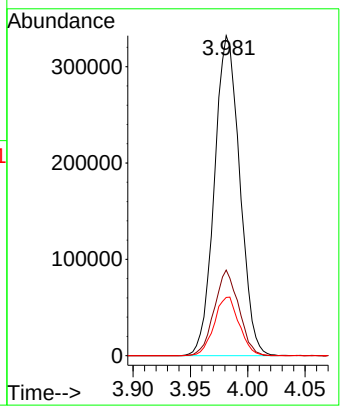


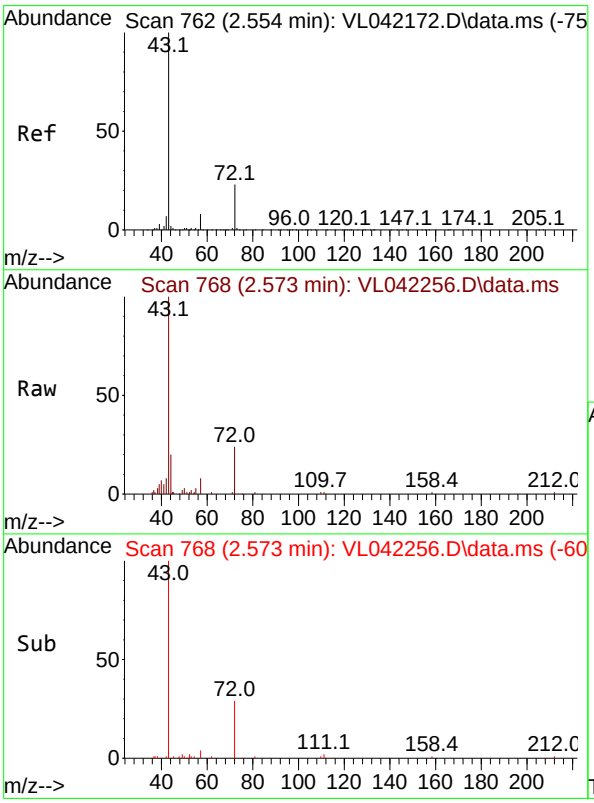
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 1
Delta R.T. 0.029 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion:114 Resp: 510940

Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.7	31.1
88	18.1	15.0	22.4

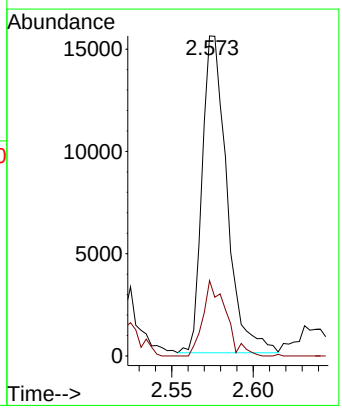


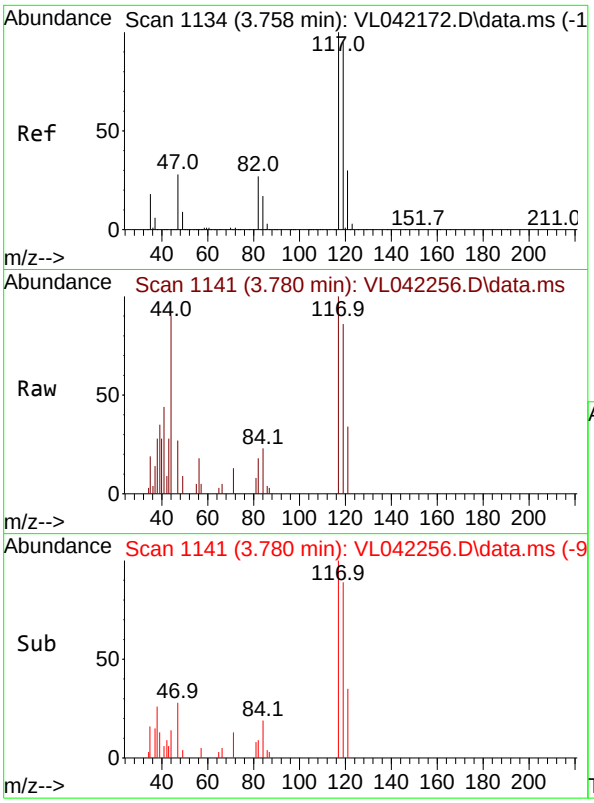


#34
2-Butanone
Concen: 0.442 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 43 Resp: 16376

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2



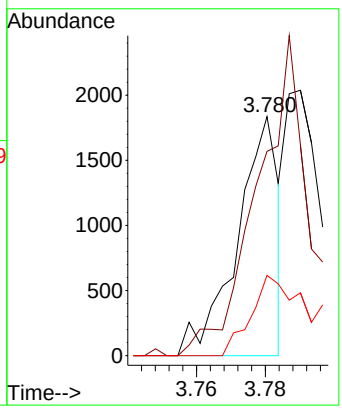


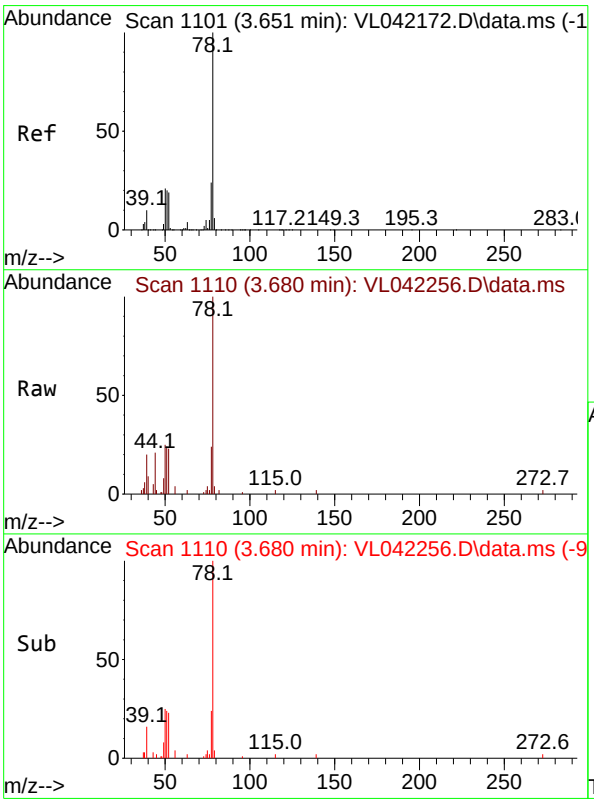
#35
Carbon Tetrachloride
Concen: 0.038 ppbv
RT: 3.780 min Scan# 11
Delta R.T. 0.022 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion:117 Resp: 1520

Ion	Ratio	Lower	Upper
117	100		
119	85.5	76.2	114.2
121	33.6	24.2	36.4

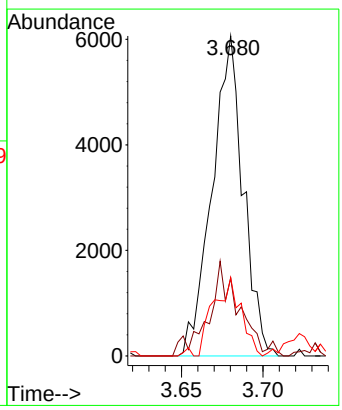


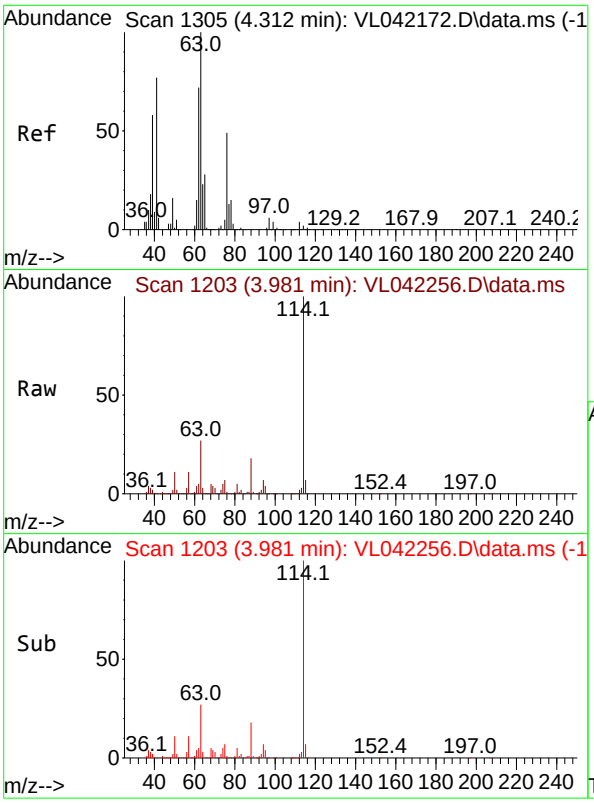


#36
Benzene
Concen: 0.159 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.029 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 78 Resp: 8061

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7
50	24.5	16.6	24.8



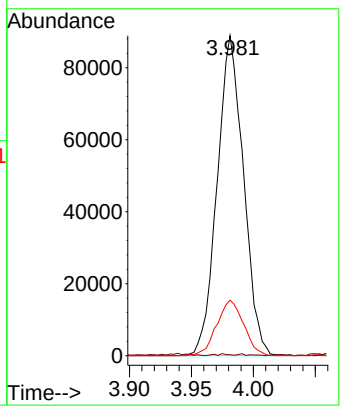


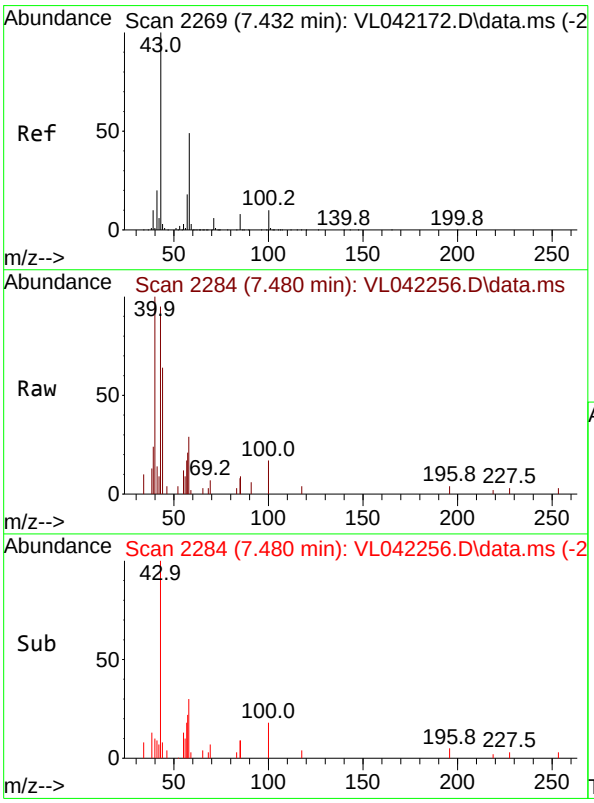
#39
1,2-Dichloropropane
Concen: 7.144 ppbv
RT: 3.981 min Scan# 1
Delta R.T. -0.330 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 63 Resp: 131794

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.7	92.5#
62	17.4	57.6	86.4#

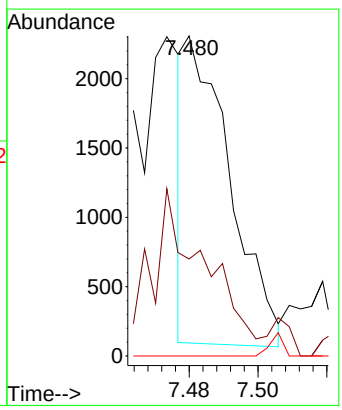


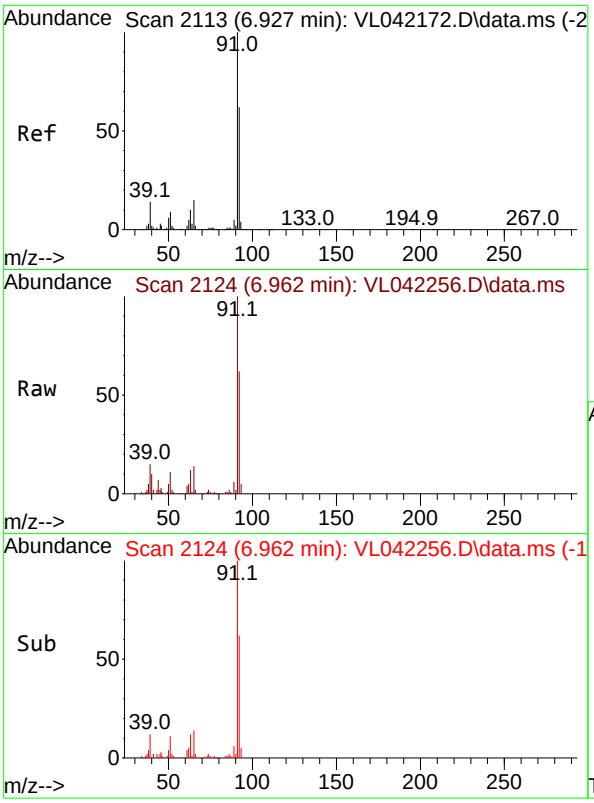


#51
2-Hexanone
Concen: 0.042 ppbv
RT: 7.480 min Scan# 2284
Delta R.T. 0.048 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 43 Resp: 2024

Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.7	59.5#
98	0.0	0.1	0.1#



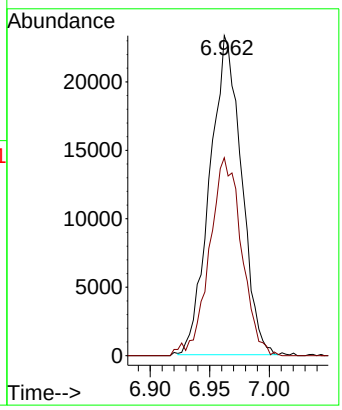


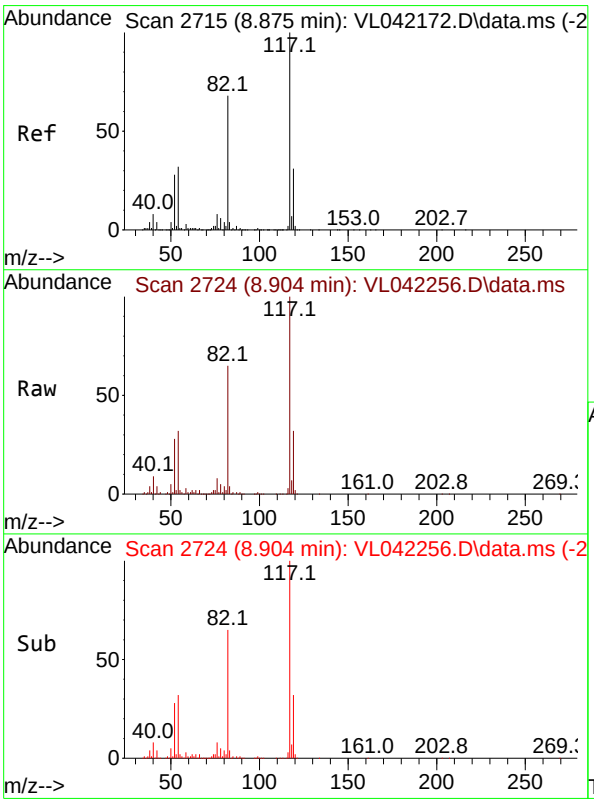
#53
Toluene
Concen: 0.716 ppbv
RT: 6.962 min Scan# 21
Delta R.T. 0.035 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 91 Resp: 42966

Ion	Ratio	Lower	Upper
91	100		
92	63.3	48.4	72.6

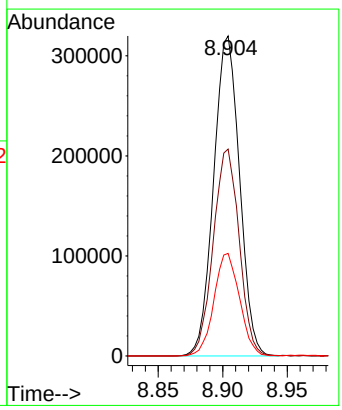


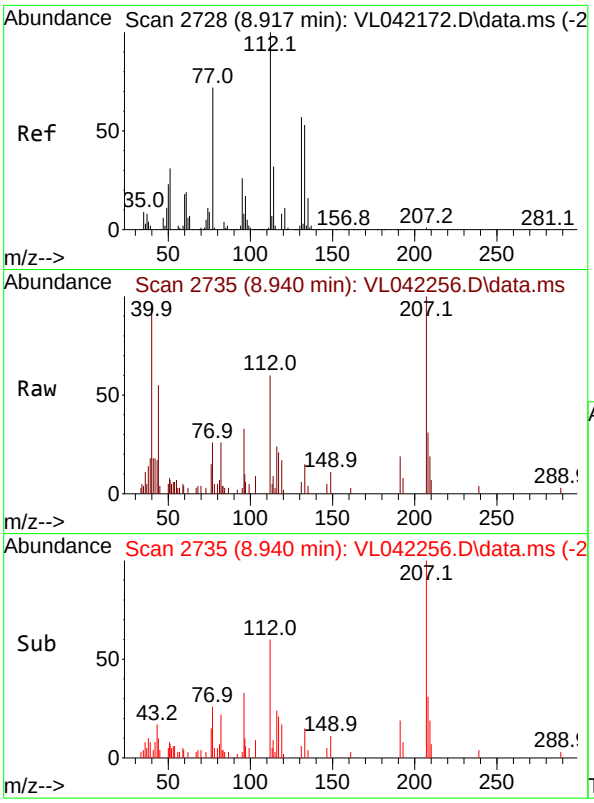


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.029 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:117 Resp: 446395

Ion	Ratio	Lower	Upper
117	100		
82	64.8	55.8	83.6
119	31.7	25.5	38.3



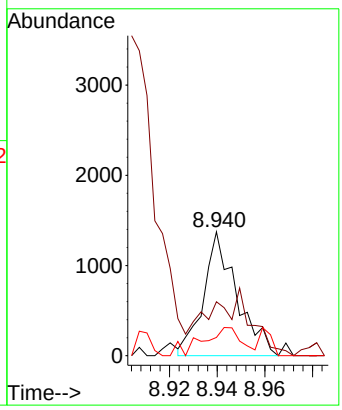


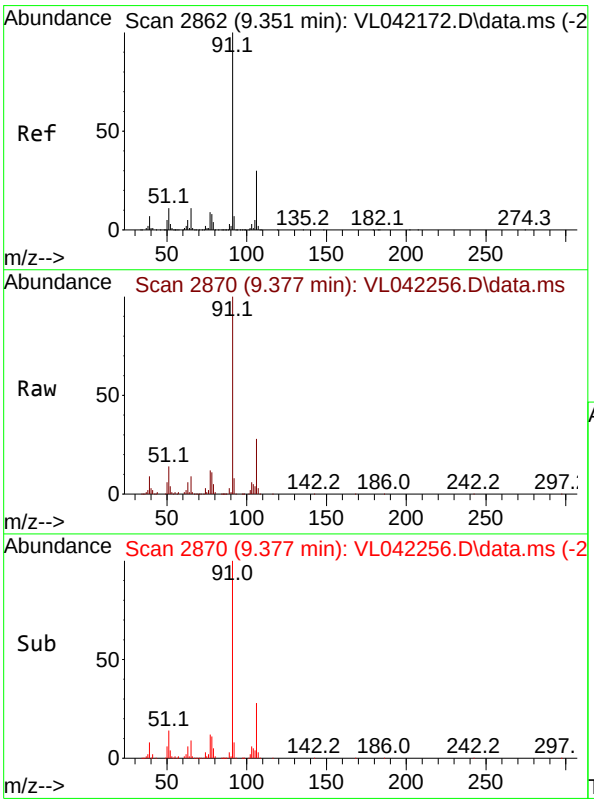
#57
Chlorobenzene
Concen: 0.031 ppbv
RT: 8.940 min Scan# 2
Delta R.T. 0.022 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion:112 Resp: 1324

Ion	Ratio	Lower	Upper
112	100		
77	37.9	58.2	87.2#
114	3.2	29.1	35.5#

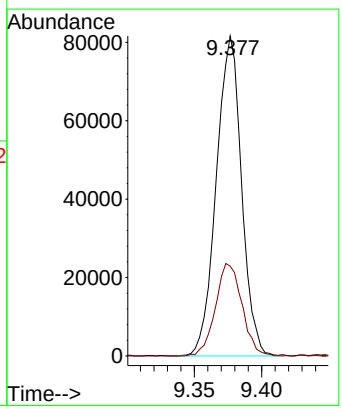


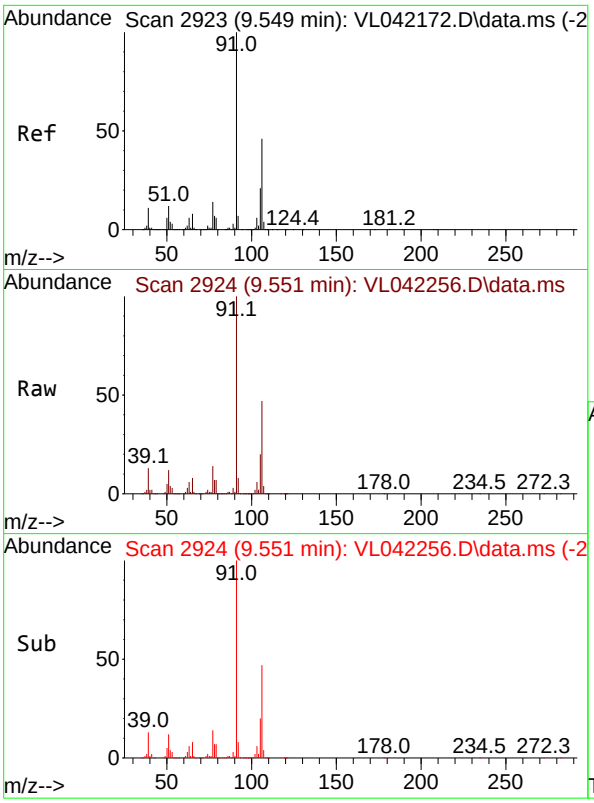


#58
Ethyl Benzene
Concen: 1.341 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 91 Resp: 106361

Ion	Ratio	Lower	Upper
91	100		
106	28.0	24.2	36.2



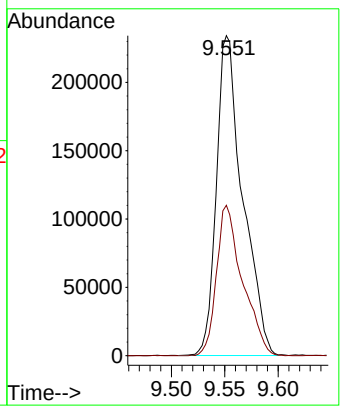


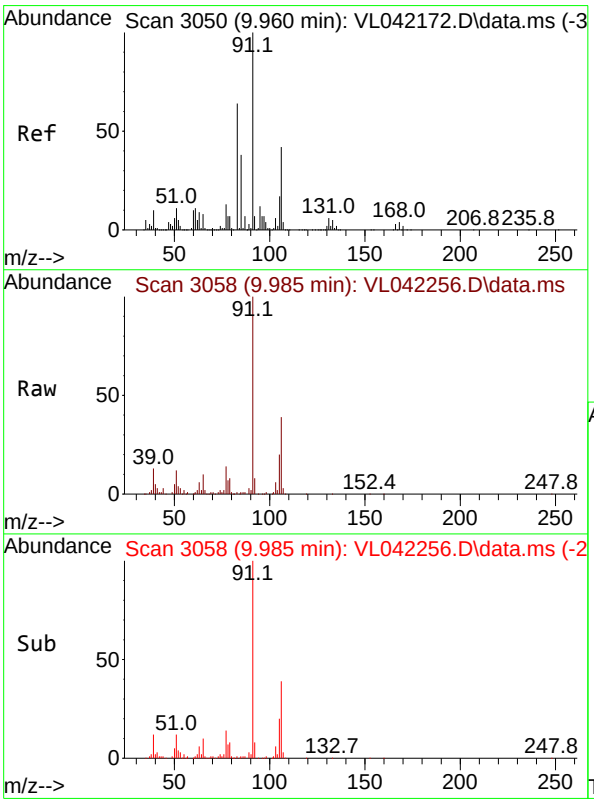
#59
m/p-Xylene
Concen: 6.322 ppbv
RT: 9.551 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion: 91 Resp: 400289

Ion	Ratio	Lower	Upper
91	100		
106	46.5	36.4	54.6

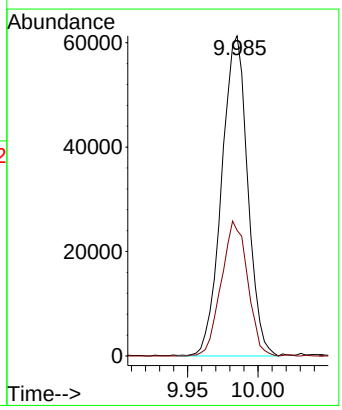


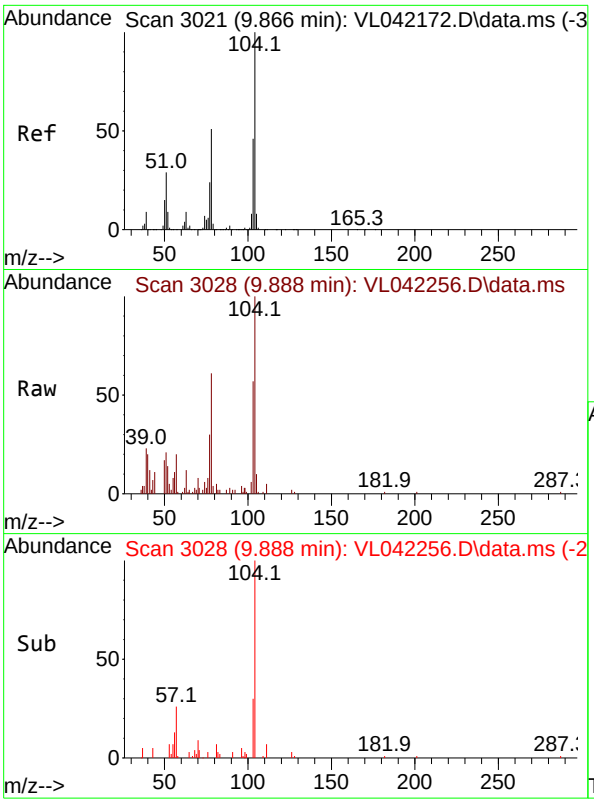


#60
o-Xylene
Concen: 1.242 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 91 Resp: 78832

Ion	Ratio	Lower	Upper
91	100		
106	42.6	20.8	62.5



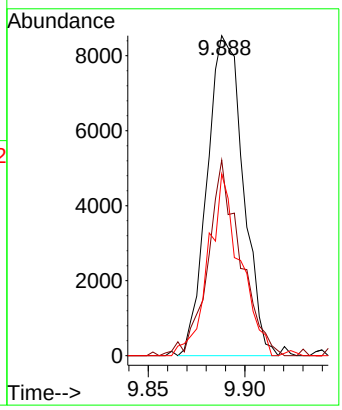


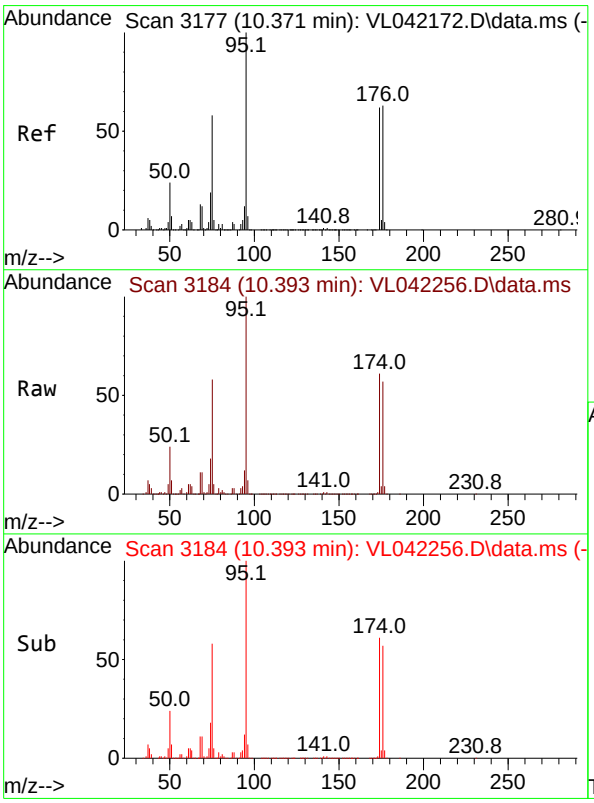
#61
Styrene
Concen: 0.353 ppbv
RT: 9.888 min Scan# 3
Delta R.T. 0.022 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion:104 Resp: 11084

Ion	Ratio	Lower	Upper
104	100		
78	55.6	41.8	62.6
103	50.4	37.0	55.4

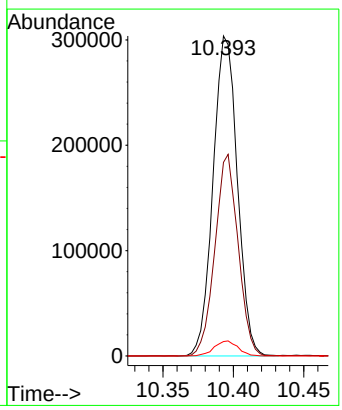


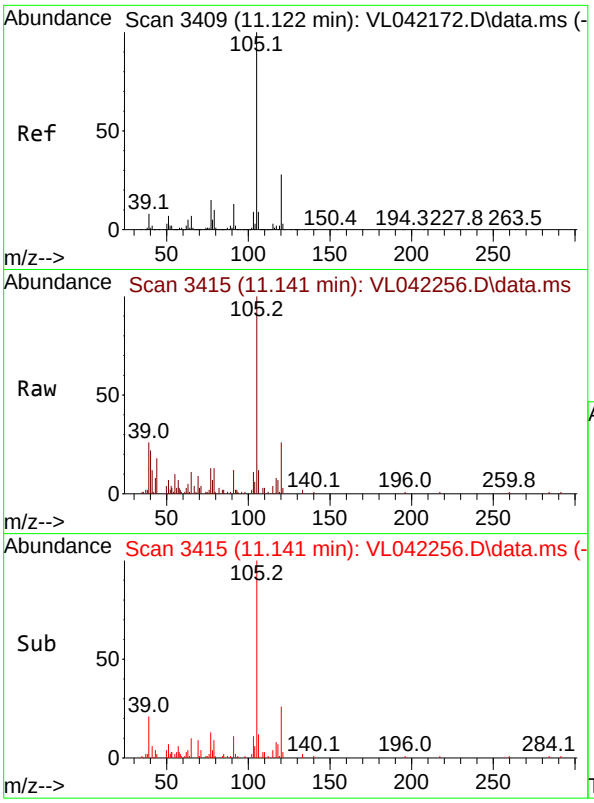


#68
1-Bromo-4-Fluorobenzene
Concen: 9.960 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.022 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion: 95 Resp: 365114

Ion	Ratio	Lower	Upper
95	100		
174	60.2	50.6	76.0
175	4.6	3.8	5.6



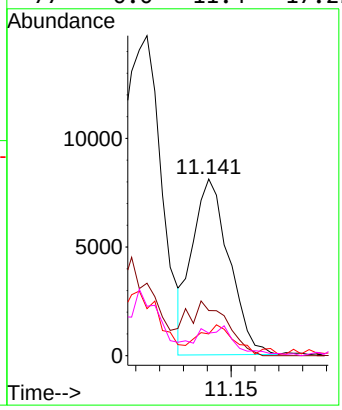


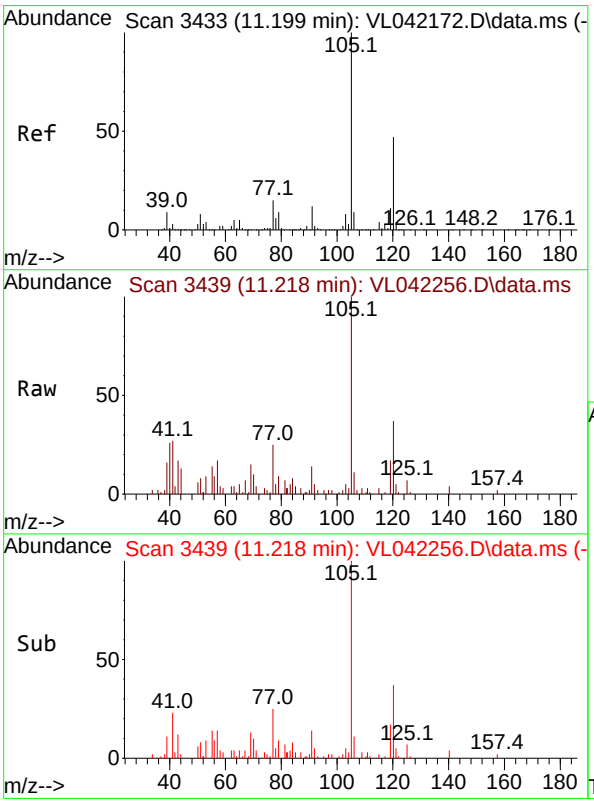
#72
4-Ethyltoluene
Concen: 0.110 ppbv
RT: 11.141 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion:105 Resp: 8715

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.4	35.0#
91	0.0	10.3	15.5#
77	0.0	11.4	17.2#

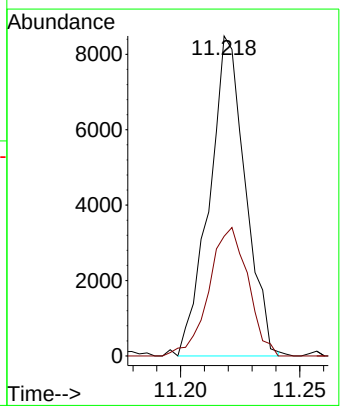


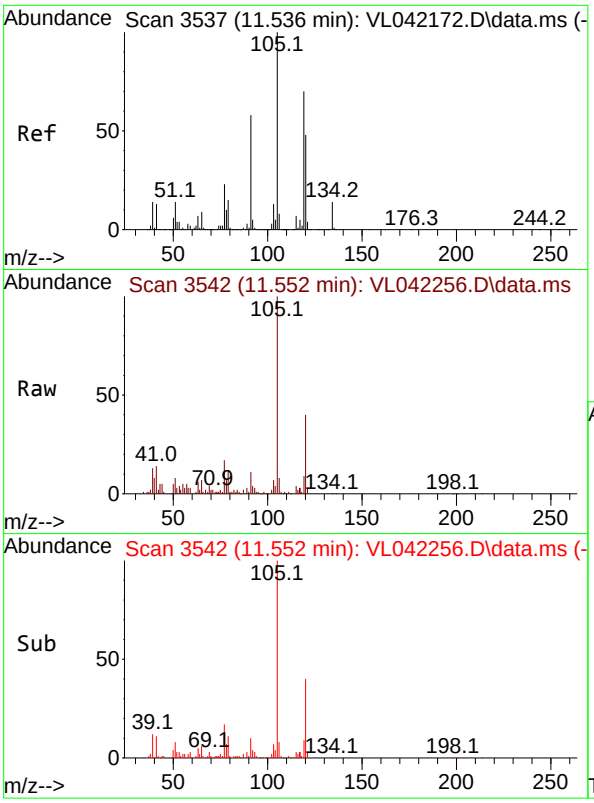


#73
1,3,5-Trimethylbenzene
Concen: 0.129 ppbv
RT: 11.218 min Scan# 3439
Delta R.T. 0.019 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:105 Resp: 8928

Ion	Ratio	Lower	Upper
105	100		
120	37.4	37.4	56.0



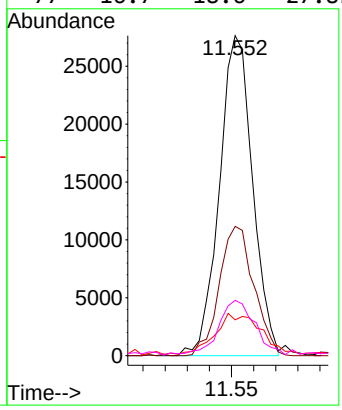


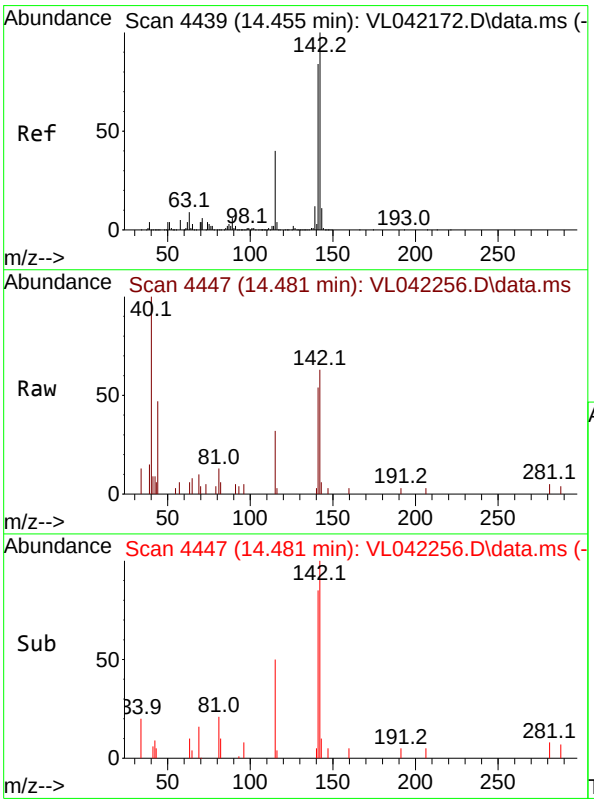
#74
1,2,4-Trimethylbenzene
Concen: 0.363 ppbv
RT: 11.552 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
SSSG-DUP-2-04012025

Tgt Ion:105 Resp: 28863

Ion	Ratio	Lower	Upper
105	100		
120	40.4	38.6	58.0
91	10.7	46.2	69.2#
77	16.7	18.6	27.8#





#80
Naphthalene,2-methyl-
Concen: 0.040 ppbv
RT: 14.481 min Scan# 4447
Delta R.T. 0.026 min
Lab File: VL042256.D
Acq: 08 Apr 2025 10:55

Tgt Ion:142 Resp: 1713

Ion	Ratio	Lower	Upper
142	100		
141	81.6	66.3	99.5
115	44.8	31.6	47.4