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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : FLAIR CLEANERS

RTP ENVIRONMENTAL

239 US Highway 22 East

Green Brook, NJ - 08812

Phone No: 732-968-9600

ORDER ID : Q3655

ATTENTION : David Gabel

Laboratory Certification ID # 20012

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Fax : 908 789 8922

Cover Page

Order ID : Q3655

Project ID : Flair Cleaners

Client : RTP Environmental

Lab Sample Number	Client Sample Number
Q3655-01	SG-1
Q3655-02	SG-2
Q3655-03	SG-3
Q3655-04	SG-4
Q3655-05	SG-5
Q3655-06	SG-6

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: 11/25/2025

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. : Q3655

Client Contact Information	Bottle Order ID : **B2510053**	Courier :	1 of 6 COCs
Client ID : **RTPE01** Project ID : Air Blair Cleaners		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	**AIR ANALYSIS CHAIN-OF-CUSTODY**	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :	**Individual Certified**	
	Site Details:		
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : ~~10 business days~~ **OR**	Data Package Type : NJ Regulatory	
Country :	Rush (Specify): _____ **Days**	EDD Type : flat (Excel) w/ conversion table in excel	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
SG-1	11/17/25	9:35	10:30	-27	-5	70	70	-30	-10.9	10184	10669	1.4 L	25	VL042492.D ~~VL042225.D~~	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : Yes 11/17/25

Canisters Shiped by: Sam	Date/Time: 11/17/25	Canisters Received by: Chris Volski	Date/Time: 11/12/25	**B2510053 - 3**
Samples Relinquished by: Chris Volski	Date/Time: 11/17/25	Received by:	Date/Time: 11/17/25 1135	
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. : Q3655

Client Contact Information	Bottle Order ID : **B2510053**	Courier :	2 of 6 COCs
Client ID : **RTPE01** Project ID : Air Flair Cleaners		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :		
	Site Details:	Batch Certified	
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type : Same as PAGE 1	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start) 70	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		
SG-2	11/7/25	9:28	10:28	-27	-5		70	-30	-11.2	10254	10795	1.4 L	25	VL042492.D ~~VL042225.D~~	X				X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State): 2

Quick Connector required : Yes 11/10/25

Canisters Shiped by:	Date/Time: 11/	Canisters Received by:	Date/Time: 11/12/25	**B2510053 - 5**
Samples Relinquished by: CW	Date/Time: 11/7/25	Received by:	Date/Time: 11/12/25 1135	
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. : Q3655

Client Contact Information	Bottle Order ID : **B2510053**	Courier :	3 of 6 COCs
Client ID : **RTPE01** Project ID : **Air** Flair Cleaners		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :	Batch Certified	
	Site Details:		
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type : SAME AS	
Country :	Rush (Specify): _____ **Days**	EDD Type : PAGE 1	

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		
SG-3	11/17/25	9:31	16:31	-30	-7	60		-30	-9.6	10480	10800	1.4 L	25	VL042493.D	X				X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : Yes 2 11/19/25

Canisters Shiped by: Sean CW	Date/Time: 11/17/25	Canisters Received by: CW	Date/Time: 11/12/25	B2510053 - 6	
Samples Relinquished by: CW	Date/Time: 11/17/25	Received by:	Date/Time: 11/17/25 1135		
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. : Q3655

Client Contact Information		Bottle Order ID : **B2510053**		Courier :	4 of 6 COCs
Client ID : **RTPE01**	Project ID : **Air** Flair Cleaners			Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**		Project Manager : **David gabel**		AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**		Phone Number : **732-968-9600**			
		Fax Number :			
		Site Details:			
City : **Green Brook**				Batch Certified	
State : **NJ**		Analysis Turnaround Time			
Zip Code : **08812**		Standard : **10 business days** **OR**		Data Package Type : SAME AS PAGE 1	
Country :		Rush (Specify): ____ **Days**		EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
SG-4	11/17/25	9:25	10:25	-30	-6	70	70	**-30**	-10.8	**10646**	**10656**	**1.4 L**	**25**	**VL042493.D**	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State): 2

Quick Connector required : Yes 11/14/25 SY

Canisters Shiped by: Sam	Date/Time: 11/17/25	Canisters Received by:	Date/Time: 11/12/25		
Samples Relinquished by: CW	Date/Time: 11/17/25	Received by:	Date/Time: 11/17/25 1135	**B2510053 - 2**	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Alliance TECHNICAL GROUP

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

Alliance Project No. : Q3655

Client Contact Information	Bottle Order ID : **B2510053**	Courier :	5 of 6 COCs
Client ID : **RTPE01** Project ID : Air Flair Cleaners		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**	Project Manager : **David gabel**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**	Phone Number : **732-968-9600**		
	Fax Number :		
	Site Details:	Batch Certified	
City : **Green Brook**			
State : **NJ**	Analysis Turnaround Time		
Zip Code : **08812**	Standard : **10 business days** **OR**	Data Package Type : same as	
Country :	Rush (Specify): _____ **Days**	EDD Type : page 1	

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		
SG-5	11/17/25	9:32	10:32	-29	-5	70	70	-30	-10.4	10703	10120	1.4 L	25	VL042493.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State): 2

Quick Connector required : Yes 11/14/25 SG

Canisters Shiped by: Sam	Date/Time: 11/17/25	Canisters Received by: CW	Date/Time: 11/12/25		
Samples Relinquished by: CW	Date/Time: 11/17/25	Received by:	Date/Time: 11/17/25 1135	**B2510053 - 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. : Q3655

Client Contact Information		Bottle Order ID : **B2510053**		Courier :	6 of 6 COCs
Client ID : **RTPE01**	Project ID :	Air Flair cleaners		Sampler Name(s) :	Analysis / Matrix
Customer Name : **RTP Environmental**		Project Manager : **David gabel**		AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **239 US Highway 22 East**		Phone Number : **732-968-9600**			
		Fax Number :			
		Site Details:		Batch Certified	
City : **Green Brook**					
State : **NJ**		Analysis Turnaround Time			
Zip Code : **08812**		Standard : **10 business days** **OR**		Data Package Type : Same as	
Country :		Rush (Specify): _____ **Days**		EDD Type : Page 1	

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		
SG-6	11/17/25	9:33	10:33	-30	-9	70	70	-30	-10.0	10221	10679	1.4 L	25	VL042492.D ~~VL042225.D~~	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start				
Stop				

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

GC/MS Analyst Signature (TO-15)

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

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium Low PID Readings:

Sampling site (State):

Quick Connector required : Yes 2 11/14/25 CW

Canisters Shiped by: Sayig	Date/Time: 11/17/25	Canisters Received by: CW	Date/Time: 11/12/25		
Samples Relinquished by: CW	Date/Time: 11/17/25	Received by:	Date/Time: 11/17/25 1125	**B2510053 - 4**	
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.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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
Location: 284 Sheffield Street, Mountainside, NJ 7092
NAME:
Title: Sample Custodian
Field Sample Seal No.: Q3655
Date Broken: 11/17/2025
Military Time Seal Broken: 11:35:00
Case No.: Flair Cleaners
Analytical Parameter/Fraction: TO-15

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q3655-01	SG-1		
Q3655-02	SG-2		
Q3655-03	SG-3		
Q3655-04	SG-4		
Q3655-05	SG-5		
Q3655-06	SG-6		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
11/17/25	13:30	Signature	Signature	
		Printed Name Cassandra Peña	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

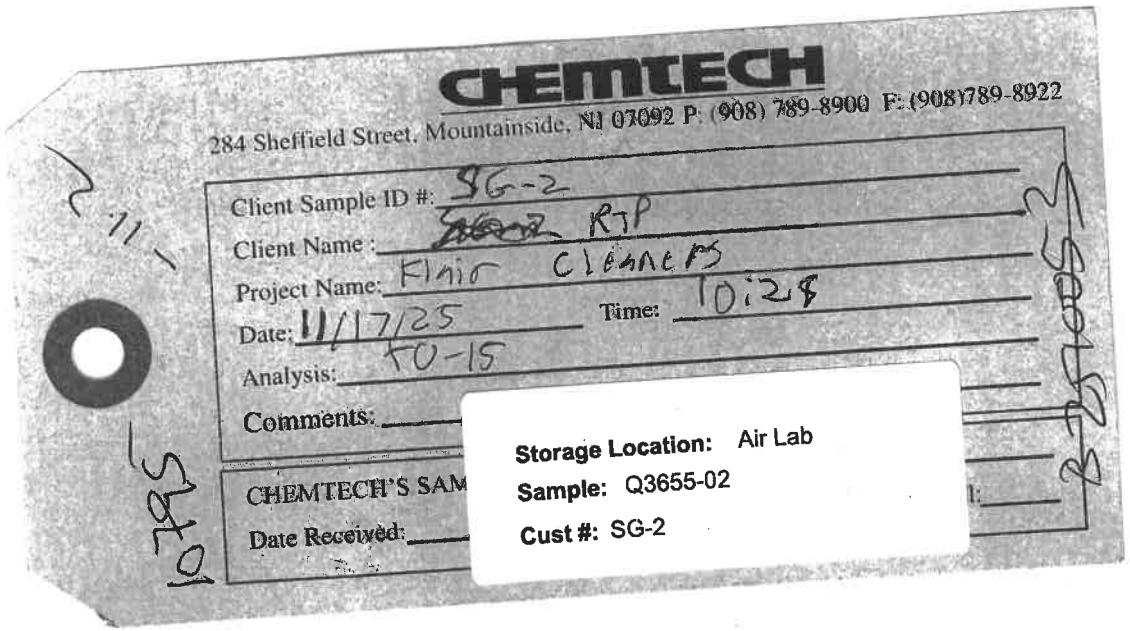
284 Sheffield Street Mountainside, NJ 07092

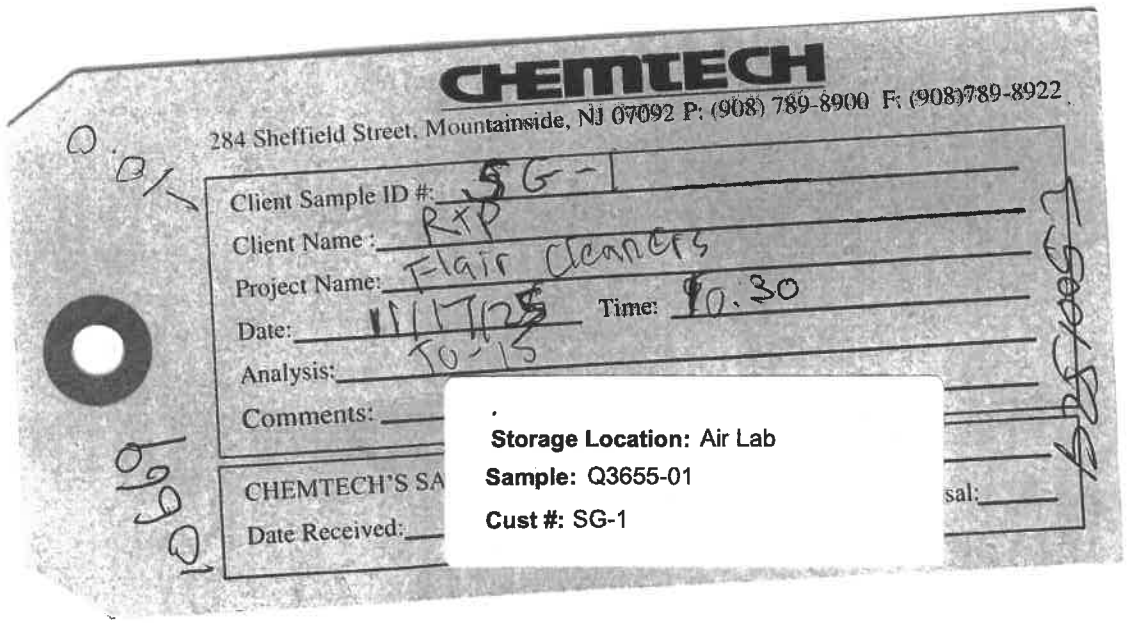
AIR SAMPLE PRESSURE & DILUTION LOGBOOK

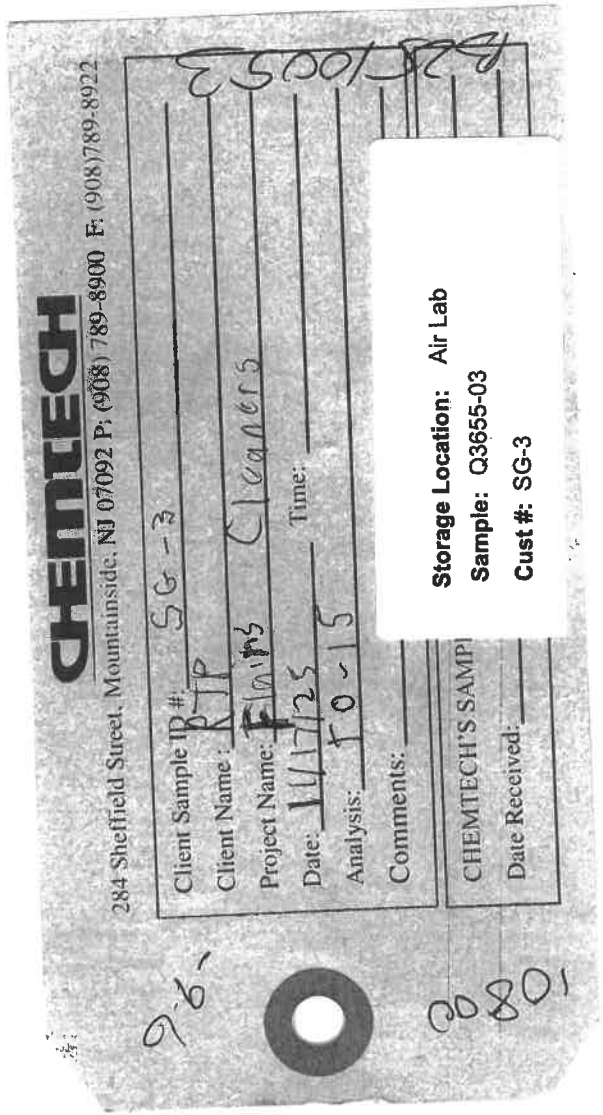
Analyst Signature: _____ Supervisor Signature: _____

METHOD: TO-15 Pressure Gauge ID: A7 55971

Date	Sample Number	Canister #	Initial Pressure psia	Initial Pressure Hg	Final Pressure psia	Final Pressure Hg	Dilution Factor	Comment
11/14/25	Q3650-04	10275	13.0	-3.5				SV
11/14/25	Q3650-05	10198	12.2	-5.1				
	Q3650-06	10197	12.8	-3.9				
	Q3651-01	10281	12.0	-5.5				
	Q3651-02	10606	12.8	-3.9				
	Q3651-03	10331	12.6	-4.3				
	Q3651-04	10320	12.4	-4.7				
	Q3651-05	10315	12.8	-3.9				
	Q3651-06	10280	12.8	-3.9				
11/17/25	Q3655-01	10669	9.8	-10.0				SV
	Q3655-02	10795	9.2	-11.2				
	Q3655-03	10800	10.0	-9.6				
	Q3655-04	10656	9.4	-10.8				
	Q3655-05	10120	9.6	-10.4				
	Q3655-06	10679	9.8	-10.0				


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SG-2
Client Name: RTP
Project Name: Flair Cleaners
Date: 11/17/25 Time: 10:28
Analysis: TO-15
Comments:
CHEMTECH'S SAM
Date Received:
Storage Location: Air Lab
Sample: Q3655-02
Cust #: SG-2


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SG-1
Client Name: RTP
Project Name: Flair Cleaners
Date: 11/17/25 Time: 10:30
Analysis: TO-15
Comments:
CHEMTECH'S SA
Date Received:
Storage Location: Air Lab
Sample: Q3655-01
Cust #: SG-1


CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 P: (908) 789-8900 F: (908)789-8922
Client Sample ID #: SG-3
Client Name: RTP
Project Name: Flair Cleaners
Date: 11/17/25 Time:
Analysis: TO-15
Comments:
CHEMTECH'S SAMPL
Date Received:
Storage Location: Air Lab
Sample: Q3655-03
Cust #: SG-3

CHEMTECH

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

Client Sample ID #: SG-5
Client Name: RTP
Project Name: Flair Cleaners
Date: 11/17/25 Time: 10:32
Analysis: TO-15
Comments:

CHEMTECH'S SAMI
Date Received:

Storage Location: Air Lab
Sample: Q3655-05
Cust #: SG-5

CHEMTECH

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

Client Sample ID #: SG-6
Client Name: RTP
Project Name: Flair Cleaners
Date: 11/17/25 Time: 10:33
Analysis: TO-15
Comments:

CHEMTECH'S SAMI
Date Received:

Storage Location: Air Lab
Sample: Q3655-06
Cust #: SG-6

CHEMTECH

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

Client Sample ID #: SG-4
Client Name: RTP
Project Name: Flair
Date: 11/17/25 Time: 1025
Analysis: TO-15
Comments:

CHEMTECH'S SA
Date Received:

Storage Location: Air Lab
Sample: Q3655-04
Cust #: SG-4

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

CASE NARRATIVE

RTP Environmental
Project Name: Flair Cleaners
Project # N/A
Order ID # Q3655
Test Name: TO-15

A. Number of Samples and Date of Receipt:
6 Air samples were received on 11/17/2025.

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

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

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

The RPD for {Q3655-01DUP} with File ID: VL043267.D met criteria except for Acetone[62.5%], Hexane[51.9%], Methylene Chloride[120%] and Trichloroethene[200%] due to difference in results of original and DUP.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 30% in the Initial Calibration method (VL111825AIR.M) for Methylene chloride passing on Linear regression.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Due to potential high concentration of target analytes, Samples SG-1, SG-2, SG-3, SG-4, SG-5 and SG-6 were initially diluted.

Samples SG-2, SG-3 were diluted due to high concentrations.

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

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

The not QT review data is reported in the Miscellaneous.
The Sample #SG-1, SG-2, SG-3, SG-3DL, SG-4, SG-5 and SG-6 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3655

	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: MOHAMMAD AHMED **Date:** 11/25/2025

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LAB CHRONICLE

OrderID:	Q3655	**OrderDate:**	11/17/2025 12:55:00 PM
Client:	RTP Environmental	**Project:**	Flair Cleaners
Contact:	David Gabel	**Location:**	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3655-01	**SG-1**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	
Q3655-02	**SG-2**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	
Q3655-02DL	**SG-2DL**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	
Q3655-03	**SG-3**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	
Q3655-03DL	**SG-3DL**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	
Q3655-04	**SG-4**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	
Q3655-05	**SG-5**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	
Q3655-06	**SG-6**	**Air**			**11/17/25**			**11/17/25**
			TO-15	TO-15			11/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3655

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SG-1**							
Q3655-01	SG-1	Air	Dichlorodifluoromethane	2.72	J	1.09	4.94	ug/m3
Q3655-01	SG-1	Air	Chloromethane	0.85	J	0.41	2.07	ug/m3
Q3655-01	SG-1	Air	Acetone	2.61		0.86	2.38	ug/m3
Q3655-01	SG-1	Air	Methylene Chloride	3.82		1.60	3.47	ug/m3
Q3655-01	SG-1	Air	2-Butanone	2.60	J	0.32	2.95	ug/m3
Q3655-01	SG-1	Air	Carbon Tetrachloride	0.82		0.31	0.38	ug/m3
Q3655-01	SG-1	Air	Benzene	0.93	J	0.51	3.19	ug/m3
Q3655-01	SG-1	Air	Toluene	1.70	J	1.21	3.77	ug/m3
Q3655-01	SG-1	Air	Tetrachloroethene	83.4		0.20	0.41	ug/m3
Q3655-01	SG-1	Air	Hexane	7.05		1.13	3.52	ug/m3
			Total Voc :	107				
			Total Concentration:	107				
Client ID:	**SG-2**							
Q3655-02	SG-2	Air	Dichlorodifluoromethane	2.57	J	1.09	4.94	ug/m3
Q3655-02	SG-2	Air	Chloromethane	2.89		0.41	2.07	ug/m3
Q3655-02	SG-2	Air	Bromomethane	2.64	J	0.58	3.88	ug/m3
Q3655-02	SG-2	Air	tert-Butyl alcohol	1.24	J	0.97	3.03	ug/m3
Q3655-02	SG-2	Air	Acetone	120	E	0.86	2.38	ug/m3
Q3655-02	SG-2	Air	Carbon Disulfide	1.65	J	0.50	3.11	ug/m3
Q3655-02	SG-2	Air	Methylene Chloride	6.25		1.60	3.47	ug/m3
Q3655-02	SG-2	Air	2-Butanone	7.96		0.32	2.95	ug/m3
Q3655-02	SG-2	Air	Carbon Tetrachloride	0.57		0.31	0.38	ug/m3
Q3655-02	SG-2	Air	cis-1,2-Dichloroethene	1.39	J	0.79	3.96	ug/m3
Q3655-02	SG-2	Air	Benzene	1.34	J	0.51	3.19	ug/m3
Q3655-02	SG-2	Air	Trichloroethene	4.84		0.27	0.32	ug/m3
Q3655-02	SG-2	Air	Toluene	2.45	J	1.21	3.77	ug/m3
Q3655-02	SG-2	Air	Tetrachloroethene	399	E	0.20	0.41	ug/m3
Q3655-02	SG-2	Air	Hexane	5.99		1.13	3.52	ug/m3
			Total Voc :	562				
			Total Concentration:	562				
Client ID:	**SG-2DL**							
Q3655-02DL	SG-2DL	Air	Chloromethane	3.72	JD	2.02	10.3	ug/m3
Q3655-02DL	SG-2DL	Air	Acetone	115	D	4.28	11.9	ug/m3
Q3655-02DL	SG-2DL	Air	Methylene Chloride	11.8	JD	7.99	17.4	ug/m3
Q3655-02DL	SG-2DL	Air	2-Butanone	7.37	JD	1.65	14.8	ug/m3
Q3655-02DL	SG-2DL	Air	Trichloroethene	5.05	D	1.29	1.61	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q3655

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3655-02DL	SG-2DL	Air	Tetrachloroethene	372	D	1.02	2.03	ug/m3
Q3655-02DL	SG-2DL	Air	Hexane	8.81	JD	5.64	17.6	ug/m3
			Total Voc :	524				
			Total Concentration:	524				
Client ID:	**SG-3**							
Q3655-03	SG-3	Air	Dichlorodifluoromethane	2.62	J	1.09	4.94	ug/m3
Q3655-03	SG-3	Air	Chloromethane	1.42	J	0.41	2.07	ug/m3
Q3655-03	SG-3	Air	Acetone	7.36		0.86	2.38	ug/m3
Q3655-03	SG-3	Air	Methylene Chloride	6.25		1.60	3.47	ug/m3
Q3655-03	SG-3	Air	2-Butanone	2.89	J	0.32	2.95	ug/m3
Q3655-03	SG-3	Air	Carbon Tetrachloride	0.50		0.31	0.38	ug/m3
Q3655-03	SG-3	Air	Trichloroethene	0.70		0.27	0.32	ug/m3
Q3655-03	SG-3	Air	Toluene	2.00	J	1.21	3.77	ug/m3
Q3655-03	SG-3	Air	Tetrachloroethene	579	E	0.20	0.41	ug/m3
Q3655-03	SG-3	Air	Hexane	3.00	J	1.13	3.52	ug/m3
			Total Voc :	606				
			Total Concentration:	606				
Client ID:	**SG-3DL**							
Q3655-03DL	SG-3DL	Air	Acetone	7.84	JD	4.28	11.9	ug/m3
Q3655-03DL	SG-3DL	Air	2-Butanone	3.54	JD	1.65	14.8	ug/m3
Q3655-03DL	SG-3DL	Air	Tetrachloroethene	561	D	1.02	2.03	ug/m3
			Total Voc :	572				
			Total Concentration:	572				
Client ID:	**SG-4**							
Q3655-04	SG-4	Air	Dichlorodifluoromethane	2.92	J	1.09	4.94	ug/m3
Q3655-04	SG-4	Air	Chloromethane	1.30	J	0.41	2.07	ug/m3
Q3655-04	SG-4	Air	tert-Butyl alcohol	1.15	J	0.97	3.03	ug/m3
Q3655-04	SG-4	Air	Acetone	8.79		0.86	2.38	ug/m3
Q3655-04	SG-4	Air	Methylene Chloride	5.21		1.60	3.47	ug/m3
Q3655-04	SG-4	Air	2-Butanone	3.24		0.32	2.95	ug/m3
Q3655-04	SG-4	Air	Carbon Tetrachloride	0.44		0.31	0.38	ug/m3
Q3655-04	SG-4	Air	Toluene	1.24	J	1.21	3.77	ug/m3
Q3655-04	SG-4	Air	Tetrachloroethene	44.8		0.20	0.41	ug/m3
Q3655-04	SG-4	Air	Hexane	3.31	J	1.13	3.52	ug/m3
			Total Voc :	72.4				
			Total Concentration:	72.4				
Client ID:	**SG-5**							
Q3655-05	SG-5	Air	Dichlorodifluoromethane	2.82	J	1.09	4.94	ug/m3

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Hit Summary Sheet
SW-846

SDG No.: Q3655

Client: RTP Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3655-05	SG-5	Air	Chloromethane	1.67	J	0.41	2.07	ug/m3
Q3655-05	SG-5	Air	Acetone	22.1		0.86	2.38	ug/m3
Q3655-05	SG-5	Air	Methylene Chloride	6.95		1.60	3.47	ug/m3
Q3655-05	SG-5	Air	2-Butanone	10.0		0.32	2.95	ug/m3
Q3655-05	SG-5	Air	Carbon Tetrachloride	0.50		0.31	0.38	ug/m3
Q3655-05	SG-5	Air	Benzene	0.93	J	0.51	3.19	ug/m3
Q3655-05	SG-5	Air	Trichloroethene	0.38		0.27	0.32	ug/m3
Q3655-05	SG-5	Air	Toluene	6.03		1.21	3.77	ug/m3
Q3655-05	SG-5	Air	Tetrachloroethene	23.7		0.20	0.41	ug/m3
Q3655-05	SG-5	Air	Ethyl Benzene	2.43	J	1.65	4.34	ug/m3
Q3655-05	SG-5	Air	m/p-Xylene	9.56		3.56	8.69	ug/m3
Q3655-05	SG-5	Air	o-Xylene	3.13	J	1.82	4.34	ug/m3
Q3655-05	SG-5	Air	Styrene	16.2		1.36	4.26	ug/m3
Q3655-05	SG-5	Air	1,2,4-Trimethylbenzene	4.13	J	1.77	4.92	ug/m3
Q3655-05	SG-5	Air	Hexane	3.35	J	1.13	3.52	ug/m3
			Total Voc :	114				
			Total Concentration:	114				
Client ID:	**SG-6**							
Q3655-06	SG-6	Air	Dichlorodifluoromethane	2.87	J	1.09	4.94	ug/m3
Q3655-06	SG-6	Air	Chloromethane	0.83	J	0.41	2.07	ug/m3
Q3655-06	SG-6	Air	Acetone	12.3		0.86	2.38	ug/m3
Q3655-06	SG-6	Air	Methylene Chloride	11.8		1.60	3.47	ug/m3
Q3655-06	SG-6	Air	2-Butanone	1.80	J	0.32	2.95	ug/m3
Q3655-06	SG-6	Air	Carbon Tetrachloride	0.44		0.31	0.38	ug/m3
Q3655-06	SG-6	Air	Trichloroethene	0.43		0.27	0.32	ug/m3
Q3655-06	SG-6	Air	Toluene	4.90		1.21	3.77	ug/m3
Q3655-06	SG-6	Air	Tetrachloroethene	21.7		0.20	0.41	ug/m3
Q3655-06	SG-6	Air	Ethyl Benzene	2.04	J	1.65	4.34	ug/m3
Q3655-06	SG-6	Air	m/p-Xylene	8.69		3.56	8.69	ug/m3
Q3655-06	SG-6	Air	o-Xylene	2.87	J	1.82	4.34	ug/m3
Q3655-06	SG-6	Air	Styrene	15.3		1.36	4.26	ug/m3
Q3655-06	SG-6	Air	1,2,4-Trimethylbenzene	3.69	J	1.77	4.92	ug/m3
Q3655-06	SG-6	Air	Hexane	8.46		1.13	3.52	ug/m3
			Total Voc :	98.2				
			Total Concentration:	98.2				

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Project : Flair Cleaners

Field Id Number : SG-1

Laboratory Id Number : Q3655-01

Sampling Date : 11/17/25

Analysis Date : 11/20/25

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.55	J	2.72		
Chloromethane	74-87-3	50.49	0.41	J	0.85		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.15	U	0.58		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.16	U	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	0.32	U	0.97		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	1.1		2.61		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	1.1		3.82		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	0.88	J	2.6		
Carbon Tetrachloride	56-23-5	153.8	0.13		0.82		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	U	0.79		
Chloroform	67-66-3	119.4	0.19	U	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.29	J	0.93		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.05	U	0.27		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	0.45	J	1.7		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : Flair Cleaners **Sampling Date :** 11/17/25

Field Id Number : SG-1 **Analysis Date :** 11/20/25

Laboratory Id Number : Q3655-01 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	12.3		83.4		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.38	U	1.65		
m/p-Xylene	179601-23-1	106.2	0.82	U	3.56		
o-Xylene	95-47-6	106.2	0.42	U	1.82		
Styrene	100-42-5	104.1	0.32	U	1.36		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	U	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	2		7.05		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

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Project : Flair Cleaners
Sampling Date : 11/17/25
Field Id Number : SG-2
Analysis Date : 11/20/25
Laboratory Id Number : Q3655-02
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	0.52	J	2.57		
Chloromethane	74-87-3	50.49	1.4		2.89		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.68	J	2.64		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.16	U	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	0.41	J	1.24		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	50.7	E	120		
Carbon Disulfide	75-15-0	76.14	0.53	J	1.65		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	1.8		6.25		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	2.7		7.96		
Carbon Tetrachloride	56-23-5	153.8	0.09		0.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.35	J	1.39		
Chloroform	67-66-3	119.4	0.19	U	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.42	J	1.34		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.9		4.84		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	0.65	J	2.45		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : Flair Cleaners
Sampling Date : 11/17/25
Field Id Number : SG-2
Analysis Date : 11/20/25
Laboratory Id Number : Q3655-02
Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	58.9	E	399		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.38	U	1.65		
m/p-Xylene	179601-23-1	106.2	0.82	U	3.56		
o-Xylene	95-47-6	106.2	0.42	U	1.82		
Styrene	100-42-5	104.1	0.32	U	1.36		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	U	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	1.7		5.99		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

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Project : Flair Cleaners

Field Id Number : SG-2DL

Laboratory Id Number : Q3655-02DL

Sampling Date : 11/17/25

Analysis Date : 11/20/25

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.1	UD	5.44		
Chloromethane	74-87-3	50.49	1.8	JD	3.72		
Vinyl Chloride	75-01-4	62.5	0.25	UD	0.64		
Bromomethane	74-83-9	94.94	0.77	UD	2.99		
Chloroethane	75-00-3	64.52	1.5	UD	3.96		
Tetrahydrofuran	109-99-9	72.11	0.8	UD	2.36		
Trichlorofluoromethane	75-69-4	137.4	1.7	UD	9.55		
Dichlorotetrafluoroethane	76-14-2	170.9	1.5	UD	10.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.4	UD	10.7		
tert-Butyl alcohol	75-65-0	74.12	1.6	UD	4.85		
Heptane	142-82-5	100.2	1.7	UD	6.97		
1,1-Dichloroethene	75-35-4	96.94	1.5	UD	5.95		
Acetone	67-64-1	58.08	48.5	D	115		
Carbon Disulfide	75-15-0	76.14	0.8	UD	2.49		
Methyl tert-Butyl Ether	1634-04-4	88.15	2.3	UD	8.29		
Methylene Chloride	75-09-2	84.94	3.4	JD	11.8		
trans-1,2-Dichloroethene	156-60-5	96.94	1.2	UD	4.76		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	2.5	JD	7.37		
Carbon Tetrachloride	56-23-5	153.8	0.25	UD	1.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.99	UD	3.93		
Chloroform	67-66-3	119.4	0.96	UD	4.69		
1,1,1-Trichloroethane	71-55-6	133.4	0.16	UD	0.87		
2,2,4-Trimethylpentane	540-84-1	114.2	1.4	UD	6.54		
Benzene	71-43-2	78.11	0.79	UD	2.52		
1,2-Dichloroethane	107-06-2	98.96	0.93	UD	3.76		
Trichloroethene	79-01-6	131.4	0.94	D	5.05		
1,2-Dichloropropane	78-87-5	113	1.3	UD	6.01		
Bromodichloromethane	75-27-4	163.8	0.63	UD	4.22		
4-Methyl-2-Pentanone	108-10-1	100.2	0.97	UD	3.98		
Toluene	108-88-3	92.14	1.6	UD	6.03		
t-1,3-Dichloropropene	10061-02-6	111	1.5	UD	6.81		
cis-1,3-Dichloropropene	10061-01-5	111	1.1	UD	4.99		
1,1,2-Trichloroethane	79-00-5	133.4	0.81	UD	4.42		

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Project : Flair Cleaners **Sampling Date :** 11/17/25

Field Id Number : SG-2DL **Analysis Date :** 11/20/25

Laboratory Id Number : Q3655-02DL **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.85	UD	7.24		
1,2-Dibromoethane	106-93-4	187.9	0.85	UD	6.53		
Tetrachloroethene	127-18-4	165.8	54.9	D	372		
Chlorobenzene	108-90-7	112.6	0.77	UD	3.55		
Ethyl Benzene	100-41-4	106.2	1.9	UD	8.25		
m/p-Xylene	179601-23-1	106.2	4.1	UD	17.8		
o-Xylene	95-47-6	106.2	2.1	UD	9.12		
Styrene	100-42-5	104.1	1.6	UD	6.81		
Bromoform	75-25-2	252.8	0.48	UD	4.96		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.18	UD	1.24		
2-Chlorotoluene	95-49-8	126.6	1.7	UD	8.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.8	UD	8.85		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.8	UD	8.85		
1,3-Dichlorobenzene	541-73-1	147	0.54	UD	3.25		
1,4-Dichlorobenzene	106-46-7	147	1.3	UD	7.82		
1,2-Dichlorobenzene	95-50-1	147	1.3	UD	7.82		
1,2,4-Trichlorobenzene	120-82-1	181.5	2.1	UD	15.6		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1.3	UD	13.9		
Naphthalene	91-20-3	128.17	0.13	UD	0.68		
1,3-Butadiene	106-99-0	54.09	0.51	UD	1.13		
4-Ethyltoluene	622-96-8	120.2	2.1	UD	10.3		
Hexane	110-54-3	86.17	2.5	JD	8.81		
Allyl Chloride	107-05-1	76.53	1.1	UD	3.44		
1,4-Dioxane	123-91-1	88.12	2.2	UD	7.93		
Methyl Methacrylate	80-62-6	100.117	1.4	UD	5.73		

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Project : Flair Cleaners
Field Id Number : SG-3
Laboratory Id Number : Q3655-03

Sampling Date : 11/17/25
Analysis Date : 11/20/25
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.53	J	2.62		
Chloromethane	74-87-3	50.49	0.69	J	1.42		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.15	U	0.58		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.16	U	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	0.32	U	0.97		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	3.1		7.36		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	1.8		6.25		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	0.98	J	2.89		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	U	0.79		
Chloroform	67-66-3	119.4	0.19	U	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.16	U	0.51		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.13		0.7		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	0.53	J	2		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : Flair Cleaners
Sampling Date : 11/17/25
Field Id Number : SG-3
Analysis Date : 11/20/25
Laboratory Id Number : Q3655-03
Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	85.4	E	579		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.38	U	1.65		
m/p-Xylene	179601-23-1	106.2	0.82	U	3.56		
o-Xylene	95-47-6	106.2	0.42	U	1.82		
Styrene	100-42-5	104.1	0.32	U	1.36		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	U	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	0.85	J	3		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

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Project : Flair Cleaners
Sampling Date : 11/17/25
Field Id Number : SG-3DL
Analysis Date : 11/20/25
Laboratory Id Number : Q3655-03DL
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	1.1	UD	5.44		
Chloromethane	74-87-3	50.49	0.98	UD	2.02		
Vinyl Chloride	75-01-4	62.5	0.25	UD	0.64		
Bromomethane	74-83-9	94.94	0.77	UD	2.99		
Chloroethane	75-00-3	64.52	1.5	UD	3.96		
Tetrahydrofuran	109-99-9	72.11	0.8	UD	2.36		
Trichlorofluoromethane	75-69-4	137.4	1.7	UD	9.55		
Dichlorotetrafluoroethane	76-14-2	170.9	1.5	UD	10.5		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	1.4	UD	10.7		
tert-Butyl alcohol	75-65-0	74.12	1.6	UD	4.85		
Heptane	142-82-5	100.2	1.7	UD	6.97		
1,1-Dichloroethene	75-35-4	96.94	1.5	UD	5.95		
Acetone	67-64-1	58.08	3.3	JD	7.84		
Carbon Disulfide	75-15-0	76.14	0.8	UD	2.49		
Methyl tert-Butyl Ether	1634-04-4	88.15	2.3	UD	8.29		
Methylene Chloride	75-09-2	84.94	2.3	UD	7.99		
trans-1,2-Dichloroethene	156-60-5	96.94	1.2	UD	4.76		
1,1-Dichloroethane	75-34-3	98.96	1.3	UD	5.26		
Cyclohexane	110-82-7	84.16	2.2	UD	7.57		
2-Butanone	78-93-3	72.11	1.2	JD	3.54		
Carbon Tetrachloride	56-23-5	153.8	0.25	UD	1.57		
cis-1,2-Dichloroethene	156-59-2	96.94	0.99	UD	3.93		
Chloroform	67-66-3	119.4	0.96	UD	4.69		
1,1,1-Trichloroethane	71-55-6	133.4	0.16	UD	0.87		
2,2,4-Trimethylpentane	540-84-1	114.2	1.4	UD	6.54		
Benzene	71-43-2	78.11	0.79	UD	2.52		
1,2-Dichloroethane	107-06-2	98.96	0.93	UD	3.76		
Trichloroethene	79-01-6	131.4	0.24	UD	1.29		
1,2-Dichloropropane	78-87-5	113	1.3	UD	6.01		
Bromodichloromethane	75-27-4	163.8	0.63	UD	4.22		
4-Methyl-2-Pentanone	108-10-1	100.2	0.97	UD	3.98		
Toluene	108-88-3	92.14	1.6	UD	6.03		
t-1,3-Dichloropropene	10061-02-6	111	1.5	UD	6.81		
cis-1,3-Dichloropropene	10061-01-5	111	1.1	UD	4.99		
1,1,2-Trichloroethane	79-00-5	133.4	0.81	UD	4.42		

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Project : Flair Cleaners
Sampling Date : 11/17/25
Field Id Number : SG-3DL
Analysis Date : 11/20/25
Laboratory Id Number : Q3655-03DL
Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.85	UD	7.24		
1,2-Dibromoethane	106-93-4	187.9	0.85	UD	6.53		
Tetrachloroethene	127-18-4	165.8	82.7	D	560		
Chlorobenzene	108-90-7	112.6	0.77	UD	3.55		
Ethyl Benzene	100-41-4	106.2	1.9	UD	8.25		
m/p-Xylene	179601-23-1	106.2	4.1	UD	17.8		
o-Xylene	95-47-6	106.2	2.1	UD	9.12		
Styrene	100-42-5	104.1	1.6	UD	6.81		
Bromoform	75-25-2	252.8	0.48	UD	4.96		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.18	UD	1.24		
2-Chlorotoluene	95-49-8	126.6	1.7	UD	8.8		
1,3,5-Trimethylbenzene	108-67-8	120.2	1.8	UD	8.85		
1,2,4-Trimethylbenzene	95-63-6	120.2	1.8	UD	8.85		
1,3-Dichlorobenzene	541-73-1	147	0.54	UD	3.25		
1,4-Dichlorobenzene	106-46-7	147	1.3	UD	7.82		
1,2-Dichlorobenzene	95-50-1	147	1.3	UD	7.82		
1,2,4-Trichlorobenzene	120-82-1	181.5	2.1	UD	15.6		
Hexachloro-1,3-Butadiene	87-68-3	260.8	1.3	UD	13.9		
Naphthalene	91-20-3	128.17	0.13	UD	0.68		
1,3-Butadiene	106-99-0	54.09	0.51	UD	1.13		
4-Ethyltoluene	622-96-8	120.2	2.1	UD	10.3		
Hexane	110-54-3	86.17	1.6	UD	5.64		
Allyl Chloride	107-05-1	76.53	1.1	UD	3.44		
1,4-Dioxane	123-91-1	88.12	2.2	UD	7.93		
Methyl Methacrylate	80-62-6	100.117	1.4	UD	5.73		

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Project : Flair Cleaners
Sampling Date : 11/17/25
Field Id Number : SG-4
Analysis Date : 11/20/25
Laboratory Id Number : Q3655-04
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	0.59	J	2.92		
Chloromethane	74-87-3	50.49	0.63	J	1.3		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.15	U	0.58		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.16	U	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	0.38	J	1.15		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	3.7		8.79		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	1.5		5.21		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	1.1		3.24		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	U	0.79		
Chloroform	67-66-3	119.4	0.19	U	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.16	U	0.51		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.05	U	0.27		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	0.33	J	1.24		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : Flair Cleaners **Sampling Date :** 11/17/25

Field Id Number : SG-4 **Analysis Date :** 11/20/25

Laboratory Id Number : Q3655-04 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	6.6		44.8		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.38	U	1.65		
m/p-Xylene	179601-23-1	106.2	0.82	U	3.56		
o-Xylene	95-47-6	106.2	0.42	U	1.82		
Styrene	100-42-5	104.1	0.32	U	1.36		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.36	U	1.77		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	0.94	J	3.31		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

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Project : Flair Cleaners
Field Id Number : SG-5
Laboratory Id Number : Q3655-05

Sampling Date : 11/17/25
Analysis Date : 11/20/25
Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.57	J	2.82		
Chloromethane	74-87-3	50.49	0.81	J	1.67		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.15	U	0.58		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.16	U	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	0.32	U	0.97		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	9.3		22.1		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	2		6.95		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	3.4		10.0		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	U	0.79		
Chloroform	67-66-3	119.4	0.19	U	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.29	J	0.93		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.07		0.38		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	1.6		6.03		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : Flair Cleaners **Sampling Date :** 11/17/25

Field Id Number : SG-5 **Analysis Date :** 11/20/25

Laboratory Id Number : Q3655-05 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	3.5		23.7		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.56	J	2.43		
m/p-Xylene	179601-23-1	106.2	2.2		9.56		
o-Xylene	95-47-6	106.2	0.72	J	3.13		
Styrene	100-42-5	104.1	3.8		16.2		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.84	J	4.13		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	0.95	J	3.35		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

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Project : Flair Cleaners

Field Id Number : SG-6

Laboratory Id Number : Q3655-06

Sampling Date : 11/17/25

Analysis Date : 11/20/25

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.58	J	2.87		
Chloromethane	74-87-3	50.49	0.4	J	0.83		
Vinyl Chloride	75-01-4	62.5	0.05	U	0.13		
Bromomethane	74-83-9	94.94	0.15	U	0.58		
Chloroethane	75-00-3	64.52	0.3	U	0.79		
Tetrahydrofuran	109-99-9	72.11	0.16	U	0.47		
Trichlorofluoromethane	75-69-4	137.4	0.34	U	1.91		
Dichlorotetrafluoroethane	76-14-2	170.9	0.3	U	2.1		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.28	U	2.15		
tert-Butyl alcohol	75-65-0	74.12	0.32	U	0.97		
Heptane	142-82-5	100.2	0.34	U	1.39		
1,1-Dichloroethene	75-35-4	96.94	0.3	U	1.19		
Acetone	67-64-1	58.08	5.2		12.4		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.46	U	1.66		
Methylene Chloride	75-09-2	84.94	3.4		11.8		
trans-1,2-Dichloroethene	156-60-5	96.94	0.24	U	0.95		
1,1-Dichloroethane	75-34-3	98.96	0.26	U	1.05		
Cyclohexane	110-82-7	84.16	0.44	U	1.51		
2-Butanone	78-93-3	72.11	0.61	J	1.8		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.2	U	0.79		
Chloroform	67-66-3	119.4	0.19	U	0.93		
1,1,1-Trichloroethane	71-55-6	133.4	0.03	U	0.16		
2,2,4-Trimethylpentane	540-84-1	114.2	0.28	U	1.31		
Benzene	71-43-2	78.11	0.16	U	0.51		
1,2-Dichloroethane	107-06-2	98.96	0.19	U	0.77		
Trichloroethene	79-01-6	131.4	0.08		0.43		
1,2-Dichloropropane	78-87-5	113	0.26	U	1.2		
Bromodichloromethane	75-27-4	163.8	0.13	U	0.87		
4-Methyl-2-Pentanone	108-10-1	100.2	0.19	U	0.78		
Toluene	108-88-3	92.14	1.3		4.9		
t-1,3-Dichloropropene	10061-02-6	111	0.3	U	1.36		
cis-1,3-Dichloropropene	10061-01-5	111	0.22	U	1		
1,1,2-Trichloroethane	79-00-5	133.4	0.16	U	0.87		

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Project : Flair Cleaners **Sampling Date :** 11/17/25

Field Id Number : SG-6 **Analysis Date :** 11/20/25

Laboratory Id Number : Q3655-06 **Target Analyts :** Air Results

Dibromochloromethane	124-48-1	208.3	0.17	U	1.45		
1,2-Dibromoethane	106-93-4	187.9	0.17	U	1.31		
Tetrachloroethene	127-18-4	165.8	3.2		21.7		
Chlorobenzene	108-90-7	112.6	0.15	U	0.69		
Ethyl Benzene	100-41-4	106.2	0.47	J	2.04		
m/p-Xylene	179601-23-1	106.2	2		8.69		
o-Xylene	95-47-6	106.2	0.66	J	2.87		
Styrene	100-42-5	104.1	3.6		15.3		
Bromoform	75-25-2	252.8	0.1	U	1.03		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.04	U	0.27		
2-Chlorotoluene	95-49-8	126.6	0.34	U	1.76		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.36	U	1.77		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.75	J	3.69		
1,3-Dichlorobenzene	541-73-1	147	0.11	U	0.66		
1,4-Dichlorobenzene	106-46-7	147	0.26	U	1.56		
1,2-Dichlorobenzene	95-50-1	147	0.26	U	1.56		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.42	U	3.12		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.26	U	2.77		
Naphthalene	91-20-3	128.17	0.03	U	0.16		
1,3-Butadiene	106-99-0	54.09	0.1	U	0.22		
4-Ethyltoluene	622-96-8	120.2	0.42	U	2.06		
Hexane	110-54-3	86.17	2.4		8.46		
Allyl Chloride	107-05-1	76.53	0.22	U	0.69		
1,4-Dioxane	123-91-1	88.12	0.44	U	1.59		
Methyl Methacrylate	80-62-6	100.117	0.28	U	1.15		

Method	Matrix	Parameter	Instrument ID	Column ID	MDL (ppbv)	RL (ppbv)	MB Data	MB Datafile	StdevVal
TO-15	Air	1,1,1,2-Tetrachloroethane	MSVOA_L	RTX-1	0.089	0.50	0		0.028115408
TO-15	Air	1,1,1-Trichloroethane	MSVOA_L	RTX-1	0.016	0.030	0		0.005089672
TO-15	Air	1,1,2,2-Tetrachloroethane	MSVOA_L	RTX-1	0.018	0.030	0		0.005472877
TO-15	Air	1,1,2-Trichloroethane	MSVOA_L	RTX-1	0.081	0.50	0		0.02572751
TO-15	Air	1,1,2-Trichlorotrifluoroethane	MSVOA_L	RTX-1	0.14	0.50	0		0.042983939
TO-15	Air	1,1-Dichloroethane	MSVOA_L	RTX-1	0.13	0.50	0		0.040178175
TO-15	Air	1,1-Dichloroethene	MSVOA_L	RTX-1	0.15	0.50	0		0.047056197
TO-15	Air	1,2,4-Trichlorobenzene	MSVOA_L	RTX-1	0.21	0.50	0		0.064291005
TO-15	Air	1,2,4-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054467115
TO-15	Air	1,2-Dibromoethane	MSVOA_L	RTX-1	0.085	0.10	0		0.026726124
TO-15	Air	1,2-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.040999419
TO-15	Air	1,2-Dichloroethane	MSVOA_L	RTX-1	0.093	0.50	0		0.029277002
TO-15	Air	1,2-Dichloropropane	MSVOA_L	RTX-1	0.13	0.50	0		0.039880775
TO-15	Air	1,3,5-Trimethylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.054598099
TO-15	Air	1,3-Butadiene	MSVOA_L	RTX-1	0.051	0.50	0		0.016035675
TO-15	Air	1,3-Dichlorobenzene	MSVOA_L	RTX-1	0.054	0.50	0		0.017043362
TO-15	Air	1,4-Dichlorobenzene	MSVOA_L	RTX-1	0.13	0.50	0		0.039460649
TO-15	Air	1,4-Dioxane	MSVOA_L	RTX-1	0.22	0.50	0		0.067330033
TO-15	Air	2,2,4-Trimethylpentane	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	2-Butanone	MSVOA_L	RTX-1	0.056	0.50	0		0.017728105
TO-15	Air	2-Chlorotoluene	MSVOA_L	RTX-1	0.17	0.50	0		0.052599113
TO-15	Air	2-Hexanone	MSVOA_L	RTX-1	0.11	0.50	0		0.033523268
TO-15	Air	4-Ethyltoluene	MSVOA_L	RTX-1	0.21	0.50	0		0.066332496
TO-15	Air	4-Methyl-2-Pentanone	MSVOA_L	RTX-1	0.097	0.50	0		0.030783422
TO-15	Air	Acetone	MSVOA_L	RTX-1	0.18	0.50	0		0.055592052
TO-15	Air	Allyl Chloride	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Benzene	MSVOA_L	RTX-1	0.079	0.50	0		0.025071327
TO-15	Air	Benzyl Chloride	MSVOA_L	RTX-1	0.089	0.50	0		0.028284271
TO-15	Air	Bromodichloromethane	MSVOA_L	RTX-1	0.063	0.50	0		0.019880596
TO-15	Air	Bromoethene	MSVOA_L	RTX-1	0.2	0.50	0		0.062678317
TO-15	Air	Bromoform	MSVOA_L	RTX-1	0.048	0.50	0		0.015118579
TO-15	Air	Bromomethane	MSVOA_L	RTX-1	0.077	0.50	0		0.024494897
TO-15	Air	Carbon Disulfide	MSVOA_L	RTX-1	0.08	0.50	0		0.02544836
TO-15	Air	Carbon Tetrachloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007690439
TO-15	Air	Chlorobenzene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	Chlorodifluoromethane	MSVOA_L	RTX-1	0.12	0.50	0		0.037859389
TO-15	Air	Chloroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045250625
TO-15	Air	Chloroform	MSVOA_L	RTX-1	0.096	0.50	0		0.030394235
TO-15	Air	Chloromethane	MSVOA_L	RTX-1	0.098	0.50	0		0.03101459
TO-15	Air	cis-1,2-Dichloroethene	MSVOA_L	RTX-1	0.099	0.50	0		0.031471832
TO-15	Air	cis-1,3-Dichloropropene	MSVOA_L	RTX-1	0.11	0.50	0		0.032071349
TO-15	Air	Cyclohexane	MSVOA_L	RTX-1	0.22	0.50	0		0.06972736
TO-15	Air	Dibromochloromethane	MSVOA_L	RTX-1	0.085	0.50	0		0.026726124
TO-15	Air	Dichlorodifluoromethane	MSVOA_L	RTX-1	0.11	0.50	0		0.033380918
TO-15	Air	Dichlorotetrafluoroethane	MSVOA_L	RTX-1	0.15	0.50	0		0.045460606
TO-15	Air	Ethanol	MSVOA_L	RTX-1	0.32	0.50	0		0.098848128
TO-15	Air	Ethyl Acetate	MSVOA_L	RTX-1	0.12	0.50	0		0.036384193
TO-15	Air	Ethyl Benzene	MSVOA_L	RTX-1	0.19	0.50	0		0.058554004
TO-15	Air	Heptane	MSVOA_L	RTX-1	0.17	0.50	0		0.051130086
TO-15	Air	Hexachloro-1,3-Butadiene	MSVOA_L	RTX-1	0.13	0.50	0		0.038297084
TO-15	Air	Hexane	MSVOA_L	RTX-1	0.16	0.50	0		0.04894117
TO-15	Air	Isopropyl Alcohol	MSVOA_L	RTX-1	0.23	0.50	0		0.070676998
TO-15	Air	Isopropylbenzene	MSVOA_L	RTX-1	0.16	0.50	0		0.048205908
TO-15	Air	m/p-Xylene	MSVOA_L	RTX-1	0.41	1.00	0		0.130091543
TO-15	Air	Methyl Methacrylate	MSVOA_L	RTX-1	0.14	0.50	0		0.044131837
TO-15	Air	Methyl tert-Butyl Ether	MSVOA_L	RTX-1	0.23	0.50	0		0.07296444
TO-15	Air	Methylene Chloride	MSVOA_L	RTX-1	0.23	0.50	0		0.07204496
TO-15	Air	Naphthalene	MSVOA_L	RTX-1	0.013	0.10	0		0.004076647
TO-15	Air	Naphthalene,2-methyl-	MSVOA_L	RTX-1	0.22	0.50	0		0.069213266
TO-15	Air	n-Butylbenzene	MSVOA_L	RTX-1	0.18	0.50	0		0.055805786
TO-15	Air	n-propylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.06164414
TO-15	Air	o-Xylene	MSVOA_L	RTX-1	0.21	0.50	0		0.06491753
TO-15	Air	p-Isopropyltoluene	MSVOA_L	RTX-1	0.19	0.50	0		0.059561893
TO-15	Air	Propene	MSVOA_L	RTX-1	0.077	0.50	0		0.024397502
TO-15	Air	sec-Butylbenzene	MSVOA_L	RTX-1	0.2	0.50	0		0.061913919
TO-15	Air	Styrene	MSVOA_L	RTX-1	0.16	0.50	0		0.05
TO-15	Air	t-1,3-Dichloropropene	MSVOA_L	RTX-1	0.15	0.50	0		0.046496288
TO-15	Air	tert-Butyl alcohol	MSVOA_L	RTX-1	0.16	0.50	0		0.048892496
TO-15	Air	tert-Butylbenzene	MSVOA_L	RTX-1	0.22	0.50	0		0.067928534
TO-15	Air	Tetrachloroethene	MSVOA_L	RTX-1	0.015	0.030	0		0.004725816
TO-15	Air	Tetrahydrofuran	MSVOA_L	RTX-1	0.08	0.50	0		0.025166115
TO-15	Air	Toluene	MSVOA_L	RTX-1	0.16	0.50	0		0.050142654
TO-15	Air	trans-1,2-Dichloroethene	MSVOA_L	RTX-1	0.12	0.50	0		0.036968455
TO-15	Air	Trichloroethene	MSVOA_L	RTX-1	0.024	0.030	0		0.007587584
TO-15	Air	Trichlorofluoromethane	MSVOA_L	RTX-1	0.17	0.50	0		0.053452248
TO-15	Air	Vinyl Acetate	MSVOA_L	RTX-1	0.26	0.50	0		0.079671946
TO-15	Air	Vinyl Chloride	MSVOA_L	RTX-1	0.025	0.030	0		0.007955232

Students Value	Spike_Amt_Added	Datafile1	Concentration1	Adate1	Datafile2	Concentration2	Adate2
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.03	VL041883.D	0.045	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.49	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.52	01092025T21:16:00	VL041878.D	0.54	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.38	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.6	01092025T21:16:00	VL041878.D	0.62	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.31	01092025T21:16:00	VL041878.D	0.29	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.53	01092025T21:46:00
3.143	0.4	VL041877.D	0.36	01092025T21:16:00	VL041878.D	0.35	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.03	VL041883.D	0.036	01102025T00:17:00	VL041884.D	0.038	01102025T00:47:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.48	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.57	01092025T21:16:00	VL041878.D	0.59	01092025T21:46:00
3.143	0.4	VL041877.D	0.51	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.54	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.39	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.51	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL042501.D	0.885	05062025T17:36:00	VL042502.D	0.76	05062025T18:07:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.49	01092025T21:16:00	VL041878.D	0.5	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.59	01092025T21:16:00	VL041878.D	0.6	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.91	01092025T21:16:00	VL041878.D	0.91	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.41	01092025T21:46:00
3.143	0.4	VL041877.D	0.4	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.4	VL041877.D	0.68	01092025T21:16:00	VL041878.D	0.61	01092025T21:46:00
3.143	0.04	VL042504.D	0.035	05062025T19:10:00	VL042505.D	0.04	05062025T19:42:00
3.143	0.4	VL041877.D	0.34	01092025T21:16:00	VL041878.D	0.34	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.44	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.44	01092025T21:46:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.48	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.4	VL041877.D	0.42	01092025T21:16:00	VL041878.D	0.4	01092025T21:46:00
3.143	0.4	VL041877.D	0.41	01092025T21:16:00	VL041878.D	0.36	01092025T21:46:00
3.143	0.4	VL041877.D	0.5	01092025T21:16:00	VL041878.D	0.45	01092025T21:46:00
3.143	0.4	VL041877.D	0.46	01092025T21:16:00	VL041878.D	0.46	01092025T21:46:00
3.143	0.03	VL041883.D	0.037	01102025T00:17:00	VL041884.D	0.04	01102025T00:47:00
3.143	0.4	VL041877.D	0.47	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.43	01092025T21:46:00
3.143	0.4	VL041877.D	0.45	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.03	VL041883.D	0.047	01102025T00:17:00	VL041884.D	0.047	01102025T00:47:00
3.143	0.4	VL041877.D	0.53	01092025T21:16:00	VL041878.D	0.52	01092025T21:46:00
3.143	0.4	VL041877.D	0.43	01092025T21:16:00	VL041878.D	0.47	01092025T21:46:00
3.143	0.03	VL042498.D	0.018	05062025T16:01:00	VL042500.D	0.032	05062025T17:04:00

Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5	Concentration5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.038	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.037
VL041885.D	0.044	01102025T01:18:00	VL041913.D	0.033	01152025T02:53:00	VL041914.D	0.032
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.57	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.58	01092025T22:17:00	VL041909.D	0.49	01152025T00:52:00	VL041910.D	0.49
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.51
VL041879.D	0.48	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.39
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.44
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.39	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.39	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.68	01092025T22:17:00	VL041909.D	0.53	01152025T00:52:00	VL041910.D	0.53
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.28	01092025T22:17:00	VL041909.D	0.26	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.4	01152025T00:52:00	VL041910.D	0.4
VL041879.D	0.55	01092025T22:17:00	VL041909.D	0.44	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.37	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.4
VL041885.D	0.048	01102025T01:18:00	VL041913.D	0.026	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.46
VL041879.D	0.53	01092025T22:17:00	VL041909.D	0.52	01152025T00:52:00	VL041910.D	0.45
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.43	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.5	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.46	01152025T00:52:00	VL041910.D	0.46
VL042503.D	0.611	05062025T18:39:00	VL042518.D	0.831	05072025T15:02:00	VL042519.D	0.842
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.37
VL041879.D	0.51	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.43
VL041879.D	0.49	01092025T22:17:00	VL041909.D	0.42	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.5
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.38
VL041879.D	0.92	01092025T22:17:00	VL041909.D	0.72	01152025T00:52:00	VL041910.D	0.69
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.52
VL041879.D	0.63	01092025T22:17:00	VL041909.D	0.54	01152025T00:52:00	VL041910.D	0.57
VL042506.D	0.04	05062025T20:13:00	VL042521.D	0.031	05072025T16:49:00	VL042522.D	0.032
VL041879.D	0.33	01092025T22:17:00	VL041909.D	0.28	01152025T00:52:00	VL041910.D	0.25
VL041879.D	0.42	01092025T22:17:00	VL041909.D	0.33	01152025T00:52:00	VL041910.D	0.34
VL041879.D	0.43	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.47	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.35
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.5	01152025T00:52:00	VL041910.D	0.48
VL041879.D	0.45	01092025T22:17:00	VL041909.D	0.38	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.34	01152025T00:52:00	VL041910.D	0.31
VL041879.D	0.38	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.33
VL041879.D	0.52	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.41
VL041879.D	0.46	01092025T22:17:00	VL041909.D	0.36	01152025T00:52:00	VL041910.D	0.37
VL041885.D	0.034	01102025T01:18:00	VL041913.D	0.037	01152025T02:53:00	VL041914.D	0.034
VL041879.D	0.41	01092025T22:17:00	VL041909.D	0.41	01152025T00:52:00	VL041910.D	0.42
VL041879.D	0.44	01092025T22:17:00	VL041909.D	0.37	01152025T00:52:00	VL041910.D	0.36
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.47	01152025T00:52:00	VL041910.D	0.48
VL041885.D	0.035	01102025T01:18:00	VL041913.D	0.029	01152025T02:53:00	VL041914.D	0.033
VL041879.D	0.54	01092025T22:17:00	VL041909.D	0.45	01152025T00:52:00	VL041910.D	0.47
VL041879.D	0.56	01092025T22:17:00	VL041909.D	0.35	01152025T00:52:00	VL041910.D	0.44
VL042515.D	0.021	05072025T13:17:00	VL042516.D	0.021	05072025T13:50:00	VL042517.D	0.014

Adate5	Datafile6	Concentration6	Adate6	Datafile7	Concentration7	Adate7	Department
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.028	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T03:23:00	VL041936.D	0.034	01212025T00:31:00	VL041940.D	0.034	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.49	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.41	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.58	01202025T22:30:00	VL041933.D	0.54	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.43	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.29	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.42	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.47	01202025T22:30:00	VL041933.D	0.52	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.029	01212025T00:31:00	VL041940.D	0.027	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.51	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.52	01202025T22:30:00	VL041933.D	0.49	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.47	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.38	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.48	01202025T22:30:00	VL041933.D	0.51	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.45	01202025T22:30:00	VL041933.D	0.45	01202025T23:00:00	VOC
05072025T15:37:00	VL042520.D	0.766	05072025T16:13:00	VL042569.D	0.664	05212025T16:53:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.4	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.37	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.43	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.4	01202025T22:30:00	VL041933.D	0.36	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.46	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.36	01202025T22:30:00	VL041933.D	0.35	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.64	01202025T22:30:00	VL041933.D	0.65	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.35	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
05072025T17:24:00	VL042523.D	0.03	05072025T17:58:00	VL042567.D	0.034	05212025T15:49:00	VOC
01152025T01:23:00	VL041932.D	0.2	01202025T22:30:00	VL041933.D	0.17	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.31	01202025T22:30:00	VL041933.D	0.33	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.32	01202025T22:30:00	VL041933.D	0.32	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.5	01202025T22:30:00	VL041933.D	0.48	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.3	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.27	01202025T22:30:00	VL041933.D	0.31	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.44	01202025T22:30:00	VL041933.D	0.38	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.3	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.026	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.39	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.34	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.46	01202025T22:30:00	VL041933.D	0.44	01202025T23:00:00	VOC
01152025T03:23:00	VL041936.D	0.033	01212025T00:31:00	VL041940.D	0.03	01212025T09:44:00	VOC
01152025T01:23:00	VL041932.D	0.42	01202025T22:30:00	VL041933.D	0.41	01202025T23:00:00	VOC
01152025T01:23:00	VL041932.D	0.33	01202025T22:30:00	VL041933.D	0.37	01202025T23:00:00	VOC
05072025T14:29:00	VL042575.D	0.034	05222025T11:27:00	VL042576.D	0.032	05222025T11:59:00	VOC

AVG Concentration	Recovery	Effective Date
0.43	108	5/22/2025
0.03	114	5/22/2025
0.04	125	5/22/2025
0.47	119	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.50	125	5/22/2025
0.40	100	5/22/2025
0.40	100	5/22/2025
0.45	112	5/22/2025
0.48	120	5/22/2025
0.49	123	5/22/2025
0.48	119	5/22/2025
0.38	95	5/22/2025
0.51	128	5/22/2025
0.46	116	5/22/2025
0.45	112	5/22/2025
0.44	110	5/22/2025
0.42	105	5/22/2025
0.46	115	5/22/2025
0.40	100	5/22/2025
0.36	91	5/22/2025
0.37	93	5/22/2025
0.40	100	5/22/2025
0.58	146	5/22/2025
0.47	118	5/22/2025
0.45	111	5/22/2025
0.30	75	5/22/2025
0.42	106	5/22/2025
0.48	119	5/22/2025
0.35	86	5/22/2025
0.50	125	5/22/2025
0.41	102	5/22/2025
0.03	113	5/22/2025
0.48	121	5/22/2025
0.47	118	5/22/2025
0.52	130	5/22/2025
0.48	121	5/22/2025
0.50	126	5/22/2025
0.44	111	5/22/2025
0.36	91	5/22/2025
0.40	101	5/22/2025
0.38	95	5/22/2025
0.50	125	5/22/2025
0.49	123	5/22/2025
0.77	191	5/22/2025
0.42	106	5/22/2025
0.38	94	5/22/2025
0.40	100	5/22/2025
0.46	115	5/22/2025
0.43	106	5/22/2025
0.53	134	5/22/2025
0.40	101	5/22/2025
0.78	194	5/22/2025
0.38	95	5/22/2025
0.40	101	5/22/2025
0.57	143	5/22/2025
0.03	86	5/22/2025
0.27	68	5/22/2025
0.37	93	5/22/2025
0.38	95	5/22/2025
0.39	97	5/22/2025
0.38	95	5/22/2025
0.50	124	5/22/2025
0.40	100	5/22/2025
0.35	88	5/22/2025
0.35	86	5/22/2025
0.45	113	5/22/2025
0.39	98	5/22/2025
0.03	113	5/22/2025
0.42	105	5/22/2025
0.39	97	5/22/2025
0.48	120	5/22/2025
0.04	121	5/22/2025
0.48	119	5/22/2025
0.42	105	5/22/2025
0.02	82	5/22/2025

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3655

Client: RTP Environmental

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3655-01	SG-1	1-Bromo-4-Fluorobenzene	10	9.82	98		70 (65)	130 (135)
Q3655-01DUP	SG-1DUP	1-Bromo-4-Fluorobenzene	10	9.74	97		70 (65)	130 (135)
Q3655-02	SG-2	1-Bromo-4-Fluorobenzene	10	10.3	103		70 (65)	130 (135)
Q3655-02DL	SG-2DL	1-Bromo-4-Fluorobenzene	10	9.71	97		70 (65)	130 (135)
Q3655-03	SG-3	1-Bromo-4-Fluorobenzene	10	9.92	99		70 (65)	130 (135)
Q3655-03DL	SG-3DL	1-Bromo-4-Fluorobenzene	10	9.62	96		70 (65)	130 (135)
Q3655-04	SG-4	1-Bromo-4-Fluorobenzene	10	9.81	98		70 (65)	130 (135)
Q3655-05	SG-5	1-Bromo-4-Fluorobenzene	10	10.5	105		70 (65)	130 (135)
Q3655-06	SG-6	1-Bromo-4-Fluorobenzene	10	10.4	104		70 (65)	130 (135)
VL1120ABL01	VL1120ABL01	1-Bromo-4-Fluorobenzene	10	9.96	100		70 (65)	130 (135)
VL1120ABS01	VL1120ABS01	1-Bromo-4-Fluorobenzene	10	10.5	105		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.:	**Q3655**	**Analytical Method:**	**SWTO-15**
Client:	**RTP Environmental**	**Datafile :**	VL043260.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL1120ABS01	Dichlorodifluoromethane	10	11.5	ppbv	115			40 (70)	160 (130)	
	Chloromethane	10	10.3	ppbv	103			40 (70)	160 (130)	
	Vinyl Chloride	10	9.50	ppbv	95			70 (70)	130 (130)	
	Bromomethane	10	9.10	ppbv	91			40 (70)	160 (130)	
	Chloroethane	10	9.70	ppbv	97			40 (70)	160 (130)	
	Tetrahydrofuran	10	8.70	ppbv	87			70 (70)	130 (130)	
	Trichlorofluoromethane	10	12.4	ppbv	124			40 (70)	160 (130)	
	1,1,2-Trichlorotrifluoroethane	10	11.7	ppbv	117			70 (70)	130 (130)	
	Dichlorotetrafluoethane	10	11.0	ppbv	110			70 (70)	130 (130)	
	tert-Butyl Alcohol	10	9.30	ppbv	93			70 (70)	130 (130)	
	Heptane	10	8.90	ppbv	89			70 (70)	130 (130)	
	1,1-Dichloroethene	10	10.6	ppbv	106			70 (70)	130 (130)	
	Acetone	10	8.50	ppbv	85			40 (70)	160 (130)	
	Carbon disulfide	10	10.9	ppbv	109			40 (70)	160 (130)	
	Methyl tert-butyl Ether	10	9.90	ppbv	99			70 (70)	130 (130)	
	Methylene Chloride	10	11.8	ppbv	118			70 (70)	130 (130)	
	trans-1,2-Dichloroethene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,1-Dichloroethane	10	11.0	ppbv	110			70 (70)	130 (130)	
	Cyclohexane	10	9.60	ppbv	96			70 (70)	130 (130)	
	2-Butanone	10	9.30	ppbv	93			40 (70)	160 (130)	
	Carbon Tetrachloride	10	11.5	ppbv	115			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	10	10.0	ppbv	100			70 (70)	130 (130)	
	Chloroform	10	11.7	ppbv	117			70 (70)	130 (130)	
	1,1,1-Trichloroethane	10	11.2	ppbv	112			70 (70)	130 (130)	
	2,2,4-Trimethylpentane	10	9.60	ppbv	96			70 (70)	130 (130)	
	Benzene	10	10.0	ppbv	100			70 (70)	130 (130)	
	1,2-Dichloroethane	10	11.3	ppbv	113			70 (70)	130 (130)	
	Trichloroethene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2-Dichloropropane	10	9.70	ppbv	97			70 (70)	130 (130)	
	Bromodichloromethane	10	11.2	ppbv	112			70 (70)	130 (130)	
	4-Methyl-2-Pentanone	10	8.90	ppbv	89			40 (70)	160 (130)	
	Toluene	10	9.60	ppbv	96			70 (70)	130 (130)	
	t-1,3-Dichloropropene	10	7.50	ppbv	75			70 (70)	130 (130)	
	cis-1,3-Dichloropropene	10	7.80	ppbv	78			70 (70)	130 (130)	
	1,1,2-Trichloroethane	10	10.4	ppbv	104			70 (70)	130 (130)	
	Dibromochloromethane	10	10.9	ppbv	109			70 (70)	130 (130)	
	1,2-Dibromoethane	10	9.70	ppbv	97			70 (70)	130 (130)	
	Tetrachloroethene	10	10.4	ppbv	104			70 (70)	130 (130)	
	Chlorobenzene	10	10.7	ppbv	107			70 (70)	130 (130)	
	Ethyl Benzene	10	10.4	ppbv	104			70 (70)	130 (130)	
	m/p-Xylene	20	21.4	ppbv	107			70 (70)	130 (130)	
	o-Xylene	10	10.7	ppbv	107			70 (70)	130 (130)	
	Styrene	10	9.40	ppbv	94			70 (70)	130 (130)	
	Bromoform	10	11.0	ppbv	110			70 (70)	130 (130)	
	1,1,2,2-Tetrachloroethane	10	10.4	ppbv	104			70 (70)	130 (130)	
	2-Chlorotoluene	10	10.3	ppbv	103			70 (70)	130 (130)	
	1,3,5-Trimethylbenzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2,4-Trimethylbenzene	10	10.6	ppbv	106			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3655 **Analytical Method:** SWTO-15

Client: RTP Environmental **Datafile :** VL043260.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VL1120ABS01	1,3-Dichlorobenzene	10	10.8	ppbv	108			70 (70)	130 (130)	
	1,4-Dichlorobenzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2-Dichlorobenzene	10	10.6	ppbv	106			70 (70)	130 (130)	
	1,2,4-Trichlorobenzene	10	10.8	ppbv	108			70 (70)	130 (130)	
	Hexachloro-1,3-butadiene	10	10.0	ppbv	100			70 (70)	130 (130)	
	Naphthalene	10	9.80	ppbv	98			40 (70)	160 (130)	
	1,3-Butadiene	10	9.80	ppbv	98			70 (70)	130 (130)	
	4-Ethyltoluene	10	10.5	ppbv	105			70 (70)	130 (130)	
	Hexane	10	9.50	ppbv	95			70 (70)	130 (130)	
	Allyl Chloride	10	8.80	ppbv	88			70 (70)	130 (130)	
	1,4-Dioxane	10	8.20	ppbv	82			40 (70)	160 (130)	
	Methyl methacrylate	10	8.90	ppbv	89			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Duplicate Sample Summary

Lab Sample Id :	Q3655-01DUP		Q3655-01	
Client Id :	SG-1DUP		SG-1	
DF :	2		2	
Datafile :	VL043267.D		VL043261.D	
Anal Date & Time :	11/20/2025	16:20	11/20/2025	12:49

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	0.91	0.88	3.4
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	2.1	1.1	62.5 *
Allyl Chloride	0	0	0
Benzene	0.27	0.29	7.1
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.11	0.13	16.7

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Duplicate Sample Summary

Lab Sample Id :	Q3655-01DUP		Q3655-01	
Client Id :	SG-1DUP		SG-1	
DF :	2		2	
Datafile :	VL043267.D		VL043261.D	
Anal Date & Time :	11/20/2025	16:20	11/20/2025	12:49

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.39	0.41	5
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.54	0.55	1.8
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	3.4	2	51.9 *
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	4.2	1.1	120 *
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	12.3	12.3	0
Tetrahydrofuran	0	0	0
Toluene	0.46	0.45	2.2
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0.09	0	200 *
Trichlorofluoromethane	0	0	0
Vinyl Chloride	0	0	0

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VOLATILE METHOD BLANK SUMMARY

Client ID: VL1120ABL01

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG NO.: Q3655

Lab File ID: VL043258.D Lab Sample ID: VL1120ABL01

Date Analyzed: 11/20/2025 Time Analyzed: 11:01

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
VL1120ABS01	VL1120ABS01	VL043260.D	11/20/2025
SG-1	Q3655-01	VL043261.D	11/20/2025
SG-2	Q3655-02	VL043262.D	11/20/2025
SG-3	Q3655-03	VL043263.D	11/20/2025
SG-4	Q3655-04	VL043264.D	11/20/2025
SG-5	Q3655-05	VL043265.D	11/20/2025
SG-6	Q3655-06	VL043266.D	11/20/2025
SG-1DUP	Q3655-01DUP	VL043267.D	11/20/2025
SG-2DL	Q3655-02DL	VL043268.D	11/20/2025
SG-3DL	Q3655-03DL	VL043269.D	11/20/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: RTPE01

Lab Code: ACE | SDG NO.: Q3655

Lab File ID: VL043202.D | BFB Injection Date: 11/18/2025

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	22.1
75	30.0 - 66.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	63.6
175	4.0 - 9.0% of mass 174	5 (7.8) 1
176	93.0 - 101.0% of mass 174	60.7 (95.5) 1
177	5.0 - 9.0% of mass 176	4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC0.5	VSTDICC0.5	VL043203.D	11/18/2025	09:29
VSTDICCC010	VSTDICCC010	VL043204.D	11/18/2025	10:02
VSTDICC002	VSTDICC002	VL043205.D	11/18/2025	10:37
VSTDICC001	VSTDICC001	VL043206.D	11/18/2025	11:10
VSTDICC0.1	VSTDICC0.1	VL043208.D	11/18/2025	12:16
VSTDICC0.03	VSTDICC0.03	VL043209.D	11/18/2025	12:49
VSTDICC015	VSTDICC015	VL043210.D	11/18/2025	13:24

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: RTPE01

Lab Code: ACE | SDG NO.: Q3655

Lab File ID: VL043256.D | BFB Injection Date: 11/20/2025

Instrument ID: MSVOA_L | BFB Injection Time: 08:41

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	25.5
75	30.0 - 66.0% of mass 95	62.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 120.0% of mass 95	63.3
175	4.0 - 9.0% of mass 174	4.6 (7.3) 1
176	93.0 - 101.0% of mass 174	61.1 (96.5) 1
177	5.0 - 9.0% of mass 176	3.7 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL043257.D	11/20/2025	10:14
VL1120ABL01	VL1120ABL01	VL043258.D	11/20/2025	11:01
VL1120ABS01	VL1120ABS01	VL043260.D	11/20/2025	12:07
SG-1	Q3655-01	VL043261.D	11/20/2025	12:49
SG-2	Q3655-02	VL043262.D	11/20/2025	13:24
SG-3	Q3655-03	VL043263.D	11/20/2025	13:58
SG-4	Q3655-04	VL043264.D	11/20/2025	14:32
SG-5	Q3655-05	VL043265.D	11/20/2025	15:06
SG-6	Q3655-06	VL043266.D	11/20/2025	15:40
SG-1DUP	Q3655-01DUP	VL043267.D	11/20/2025	16:20
SG-2DL	Q3655-02DL	VL043268.D	11/20/2025	16:54
SG-3DL	Q3655-03DL	VL043269.D	11/20/2025	17:27

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG NO.: Q3655

Lab File ID: VL043257.D Date Analyzed: 11/20/2025

Instrument ID: MSVOA_L Time Analyzed: 10:14

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	102759	2.78	275595	3.94	222776	8.87
UPPER LIMIT	143863	3.11	385833	4.27	311886	9.20
LOWER LIMIT	61655.4	2.45	165357	3.61	133666	8.54
EPA SAMPLE NO.						
SG-1	103035	2.78	274703	3.95	210056	8.88
SG-1DUP	103103	2.78	274025	3.95	207116	8.88
SG-2	103900	2.79	279180	3.96	219347	8.88
SG-2DL	101802	2.78	271004	3.95	205327	8.87
SG-3	106133	2.79	277609	3.96	213831	8.88
SG-3DL	101941	2.78	262812	3.95	203972	8.87
SG-4	105685	2.78	273349	3.95	207697	8.87
SG-5	104404	2.78	273214	3.95	215431	8.87
SG-6	106324	2.78	275978	3.95	215672	8.87
VL1120ABL01	105521	2.78	275399	3.95	211341	8.87
VL1120ABS01	101372	2.78	270113	3.95	214473	8.88

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-1	SDG No.:	Q3655
Lab Sample ID:	Q3655-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.55	2.72	J	2	1.09	4.94	11/20/25 12:49	VL112025
74-87-3	Chloromethane	0.41	0.85	J	2	0.41	2.07	11/20/25 12:49	VL112025
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/20/25 12:49	VL112025
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/20/25 12:49	VL112025
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/20/25 12:49	VL112025
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/20/25 12:49	VL112025
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/20/25 12:49	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/20/25 12:49	VL112025
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/20/25 12:49	VL112025
75-65-0	tert-Butyl alcohol	0.32	0.97	U	2	0.97	3.03	11/20/25 12:49	VL112025
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/20/25 12:49	VL112025
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/20/25 12:49	VL112025
67-64-1	Acetone	1.10	2.61		2	0.86	2.38	11/20/25 12:49	VL112025
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/20/25 12:49	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/20/25 12:49	VL112025
75-09-2	Methylene Chloride	1.10	3.82		2	1.60	3.47	11/20/25 12:49	VL112025
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/20/25 12:49	VL112025
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/20/25 12:49	VL112025
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/20/25 12:49	VL112025
78-93-3	2-Butanone	0.88	2.60	J	2	0.32	2.95	11/20/25 12:49	VL112025
56-23-5	Carbon Tetrachloride	0.13	0.82		2	0.31	0.38	11/20/25 12:49	VL112025
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/20/25 12:49	VL112025
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/20/25 12:49	VL112025
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/20/25 12:49	VL112025
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/20/25 12:49	VL112025
71-43-2	Benzene	0.29	0.93	J	2	0.51	3.19	11/20/25 12:49	VL112025
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/20/25 12:49	VL112025
79-01-6	Trichloroethene	0.050	0.27	U	2	0.27	0.32	11/20/25 12:49	VL112025
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/20/25 12:49	VL112025
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/20/25 12:49	VL112025
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/20/25 12:49	VL112025
108-88-3	Toluene	0.45	1.70	J	2	1.21	3.77	11/20/25 12:49	VL112025
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/20/25 12:49	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/20/25 12:49	VL112025
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/20/25 12:49	VL112025
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/20/25 12:49	VL112025
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/20/25 12:49	VL112025
127-18-4	Tetrachloroethene	12.3	83.4		2	0.20	0.41	11/20/25 12:49	VL112025
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/20/25 12:49	VL112025
100-41-4	Ethyl Benzene	0.38	1.65	U	2	1.65	4.34	11/20/25 12:49	VL112025
179601-23-1	m/p-Xylene	0.82	3.56	U	2	3.56	8.69	11/20/25 12:49	VL112025
95-47-6	o-Xylene	0.42	1.82	U	2	1.82	4.34	11/20/25 12:49	VL112025
100-42-5	Styrene	0.32	1.36	U	2	1.36	4.26	11/20/25 12:49	VL112025
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/20/25 12:49	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/20/25 12:49	VL112025
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/20/25 12:49	VL112025

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Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-1	SDG No.:	Q3655
Lab Sample ID:	Q3655-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 12:49	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 12:49	VL112025
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01	11/20/25 12:49	VL112025
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 12:49	VL112025
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 12:49	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42	11/20/25 12:49	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7	11/20/25 12:49	VL112025
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21	11/20/25 12:49	VL112025
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05	11/20/25 12:49	VL112025
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92	11/20/25 12:49	VL112025
110-54-3	Hexane	2.00	7.05		2	1.13	3.52	11/20/25 12:49	VL112025
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13	11/20/25 12:49	VL112025
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60	11/20/25 12:49	VL112025
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09	11/20/25 12:49	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.80				70 (65) - 130 (135)	98% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	103000							
540-36-3	1,4-Difluorobenzene	275000							
3114-55-4	Chlorobenzene-d5	210000							

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\VL112025\
Data File : VL043261.D
Acq On : 20 Nov 2025 12:49
Operator : SY/MD
Sample : Q3655-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:37:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	103035	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	274703	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	210056	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	151243	9.823	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3995	0.275	ppbv		95
3) Chlorodifluoromethane	1.473	51	1514m	0.106	ppbv		
4) Chloromethane	1.535	50	1113	0.205	ppbv		90
9) Propene	1.489	41	1610	0.265	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	2007	0.143	ppbv		95
13) Ethanol	1.722	45	3531	1.655	ppbv	#	38
15) Acetone	1.836	43	7706m	0.538	ppbv		
19) Isopropyl Alcohol	1.888	45	4190	0.518	ppbv	#	1
20) Methylene Chloride	2.062	84	5379	0.532	ppbv	#	83
26) Hexane	2.823	57	13470	0.995	ppbv	#	44
34) 2-Butanone	2.561	43	8515	0.439	ppbv		95
35) Carbon Tetrachloride	3.765	117	1354m	0.065	ppbv		
36) Benzene	3.658	78	3771m	0.143	ppbv		
52) Tetrachloroethene	8.218	164	60277	6.160	ppbv		89
53) Toluene	6.920	91	6952m	0.223	ppbv		
59) m/p-Xylene	9.526	91	4368m	0.135	ppbv		

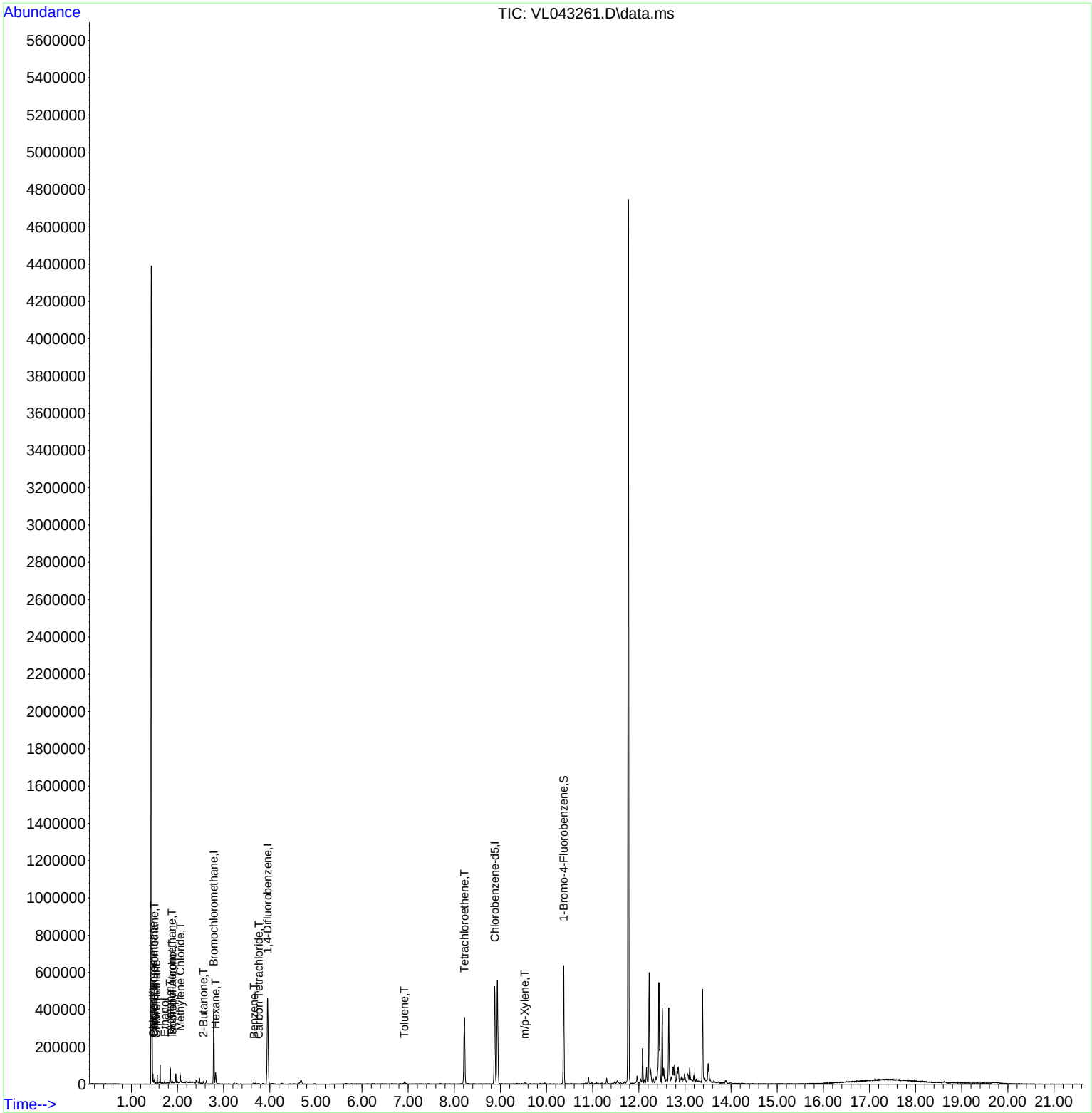
(#) = qualifier out of range (m) = manual integration (+) = signals summed

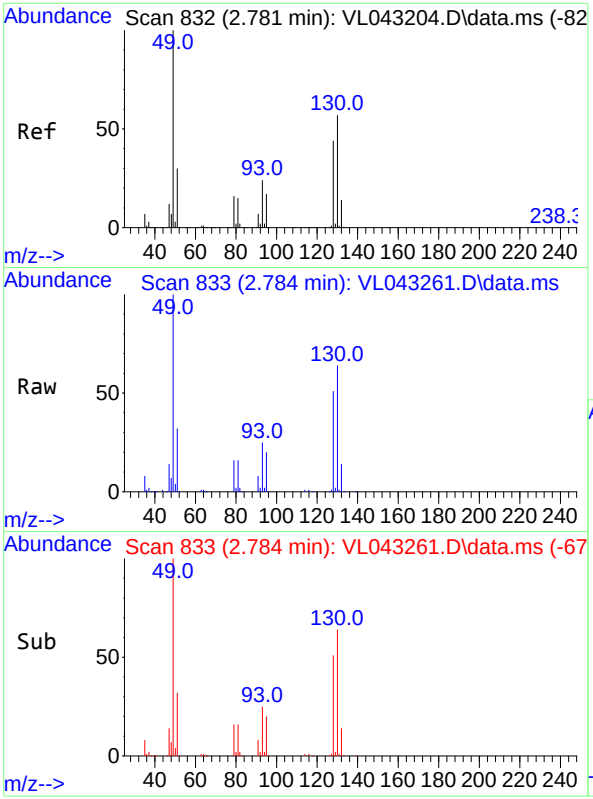
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043261.D
Acq On : 20 Nov 2025 12:49
Operator : SY/MD
Sample : Q3655-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:37:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations APPROVED
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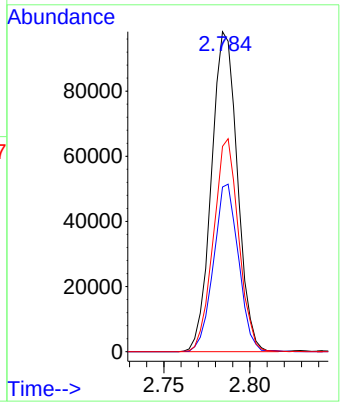




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 49 Resp: 10303

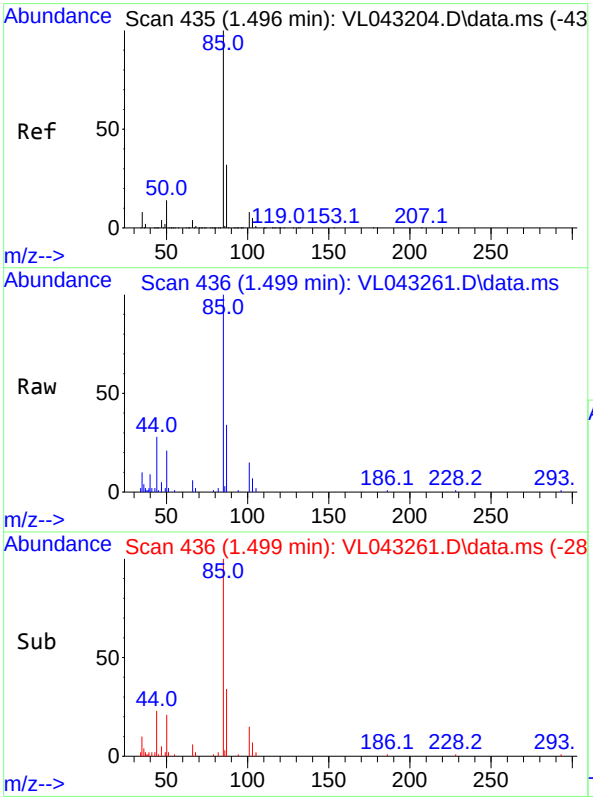
Ion	Ratio	Lower	Upper
49	100		
128	50.6	23.0	69.0
130	64.8	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

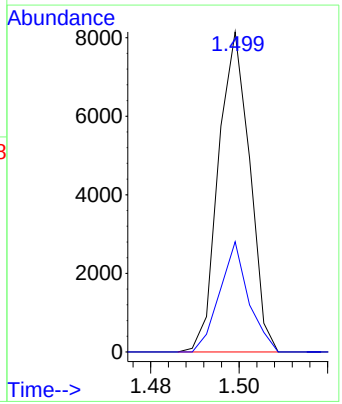
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

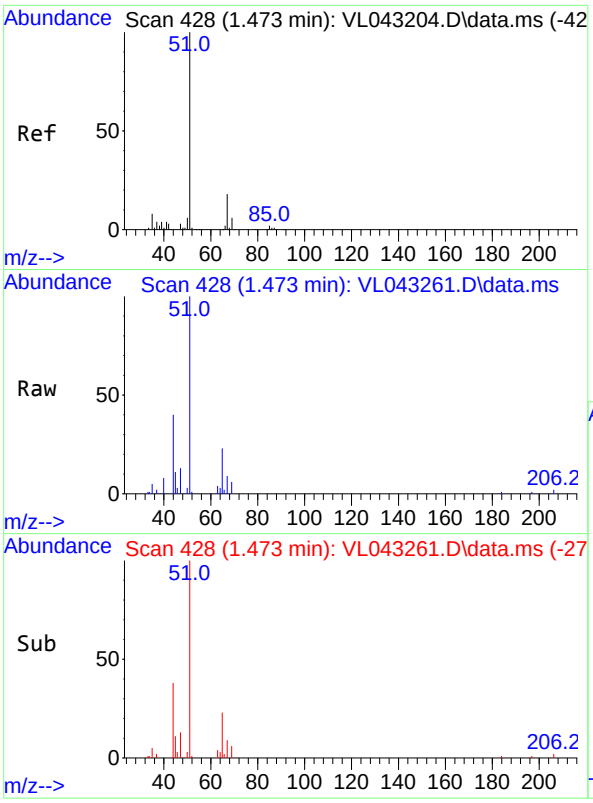


#2
Dichlorodifluoromethane
Concen: 0.275 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 85 Resp: 3995

Ion	Ratio	Lower	Upper
85	100		
87	34.5	25.4	38.2

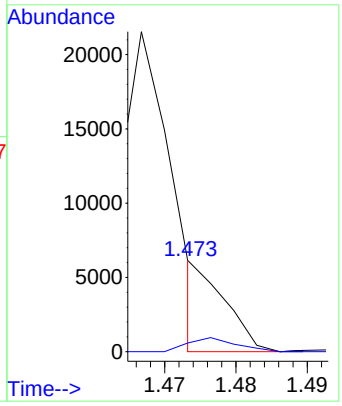




#3
Chlorodifluoromethane
Concen: 0.106 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 51 Resp: 151

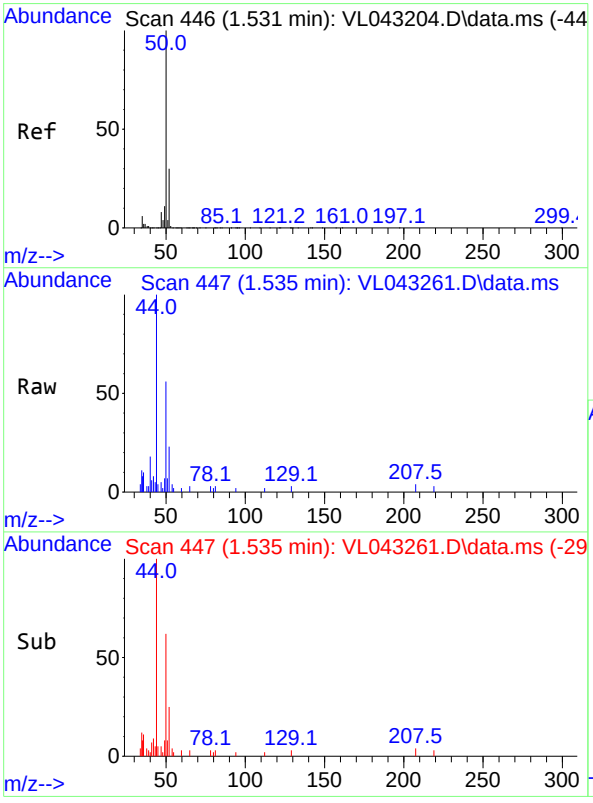
Ion	Ratio	Lower	Upper
51	100		
67	32.0	14.9	22.3#



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

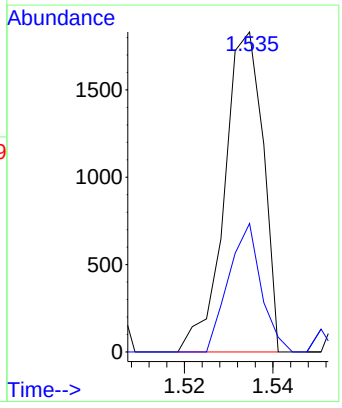
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

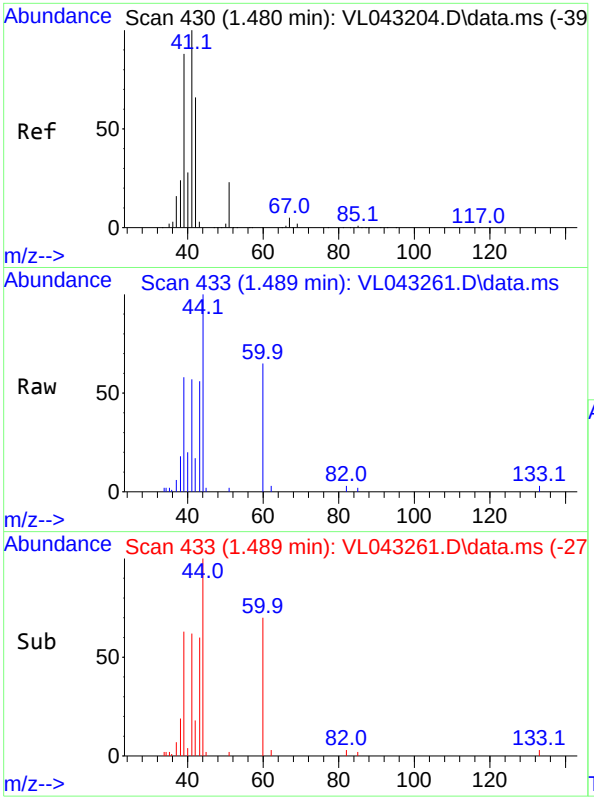


#4
Chloromethane
Concen: 0.205 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 50 Resp: 1113

Ion	Ratio	Lower	Upper
50	100		
52	35.6	24.1	36.1

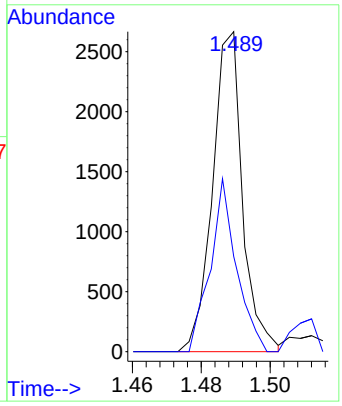




#9
Propene
Concen: 0.265 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 41 Resp: 161

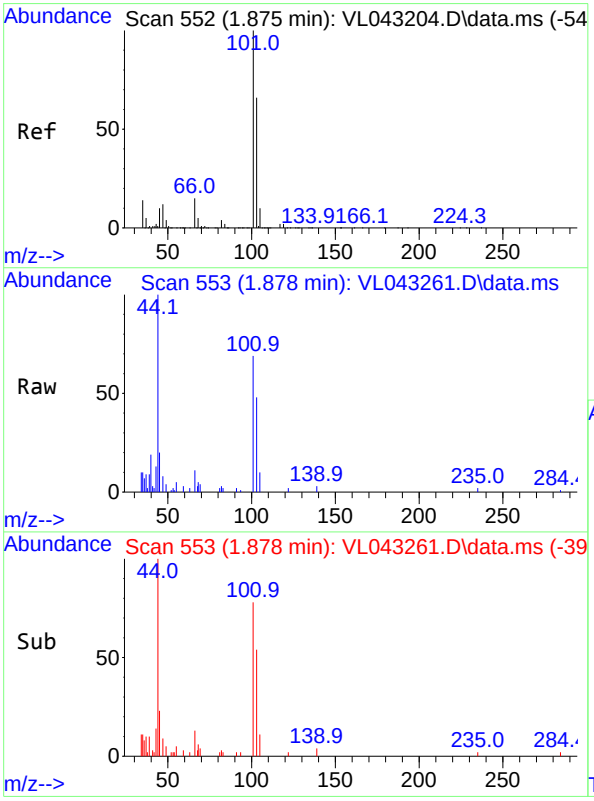
Ion	Ratio	Lower	Upper
41	100		
42	55.3	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

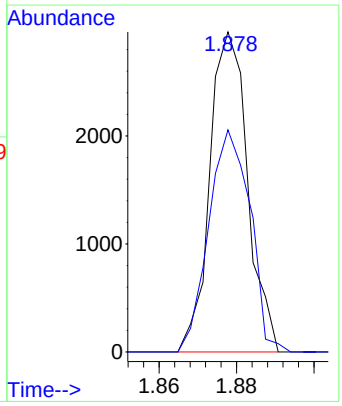
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

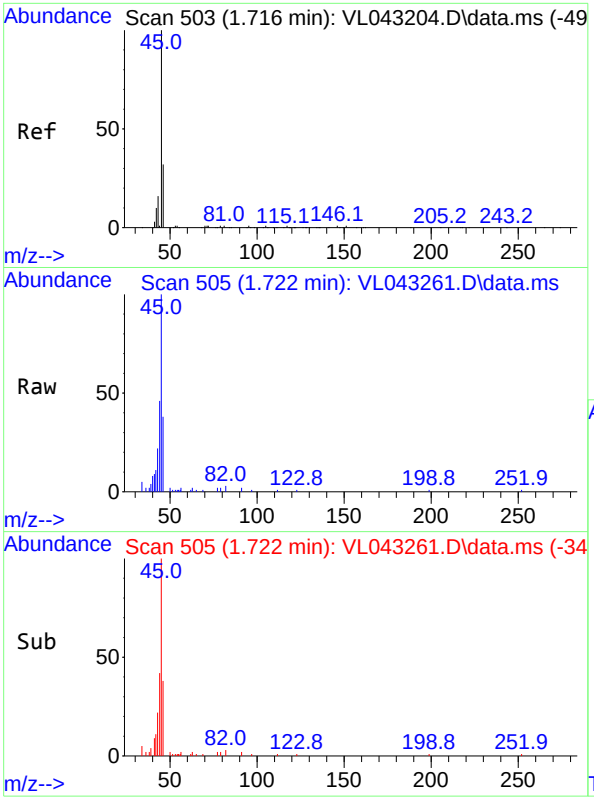


#11
Trichlorofluoromethane
Concen: 0.143 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:101 Resp: 2007

Ion	Ratio	Lower	Upper
101	100		
103	69.4	52.6	79.0

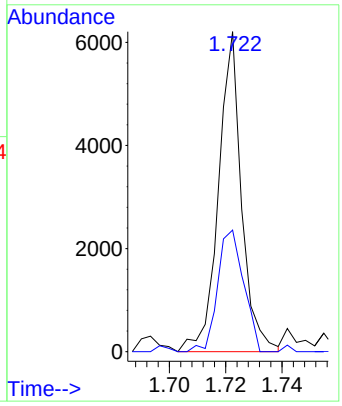




#13
Ethanol
Concen: 1.655 ppbv
RT: 1.722 min Scan# 5(
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 45 Resp: 353

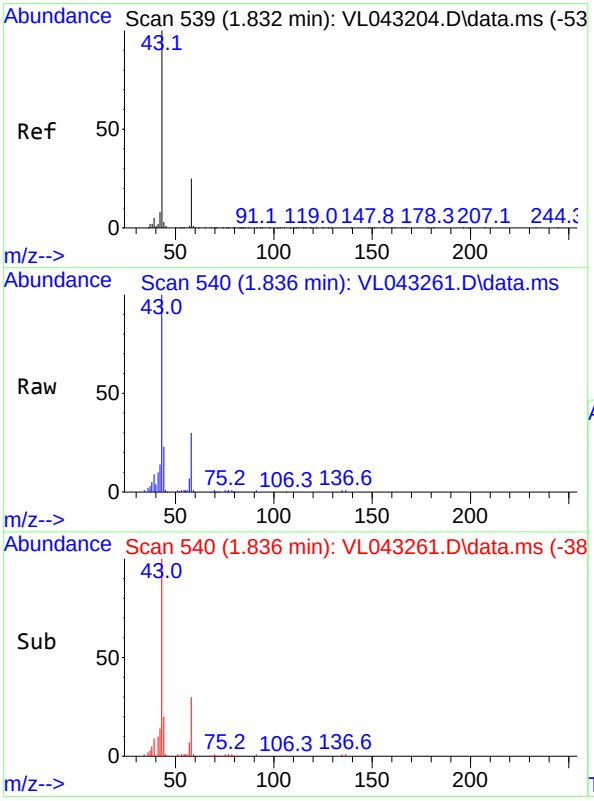
Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

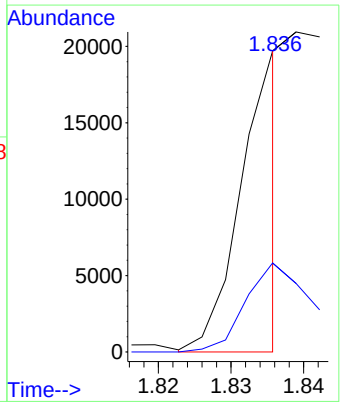
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

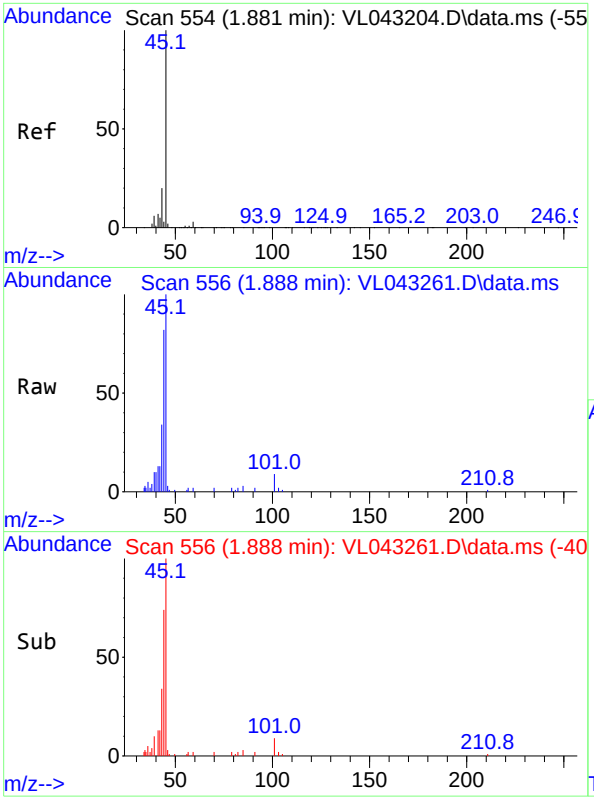


#15
Acetone
Concen: 0.538 ppbv m
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 43 Resp: 7706

Ion	Ratio	Lower	Upper
43	100		
58	54.5	20.7	31.1#

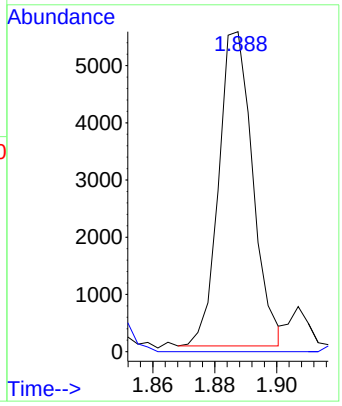




#19
Isopropyl Alcohol
Concen: 0.518 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 45 Resp: 419

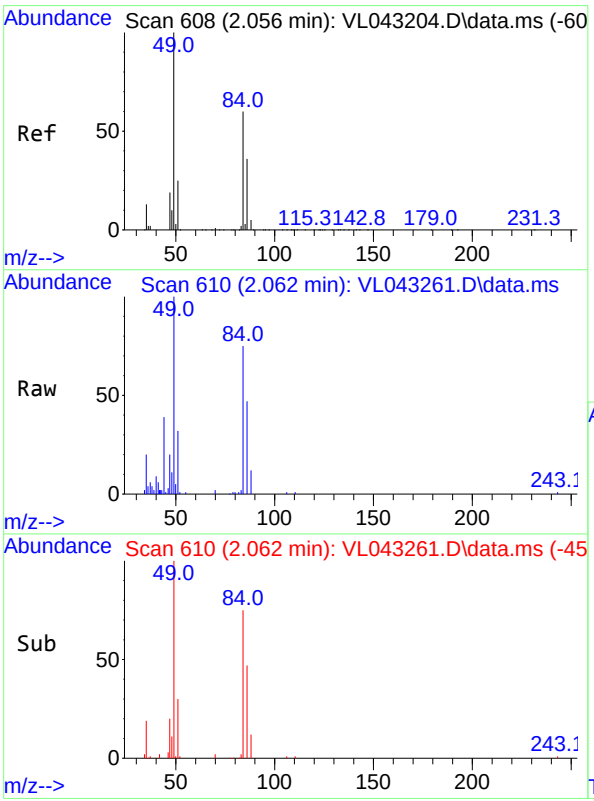
Ion	Ratio	Lower	Upper
45	100		
58	100.3	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

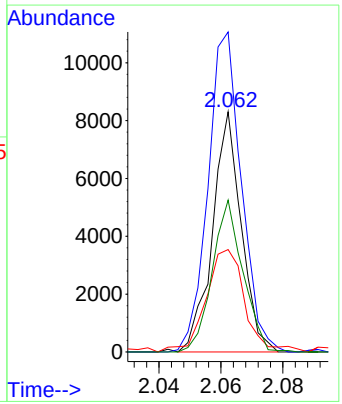
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

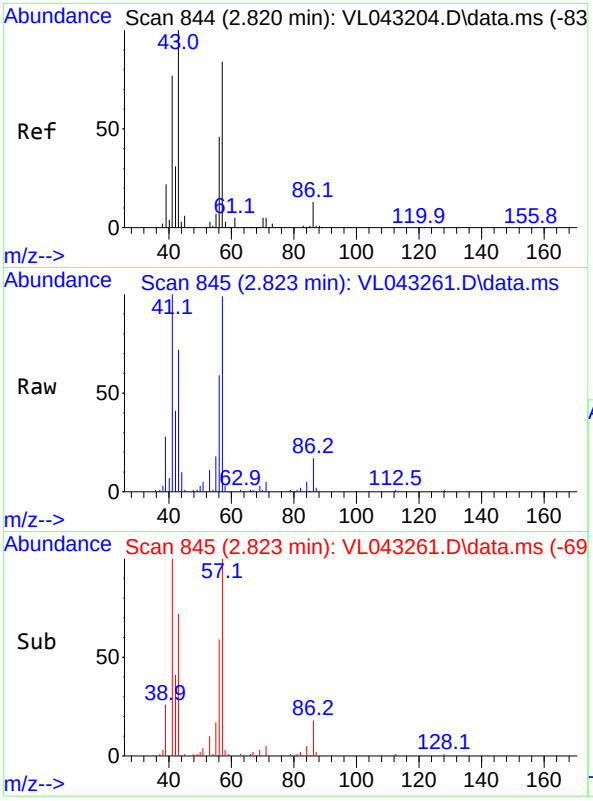


#20
Methylene Chloride
Concen: 0.532 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 84 Resp: 5379

Ion	Ratio	Lower	Upper
84	100		
49	132.3	132.9	199.3#
51	40.6	34.8	52.2
86	63.2	48.2	72.2

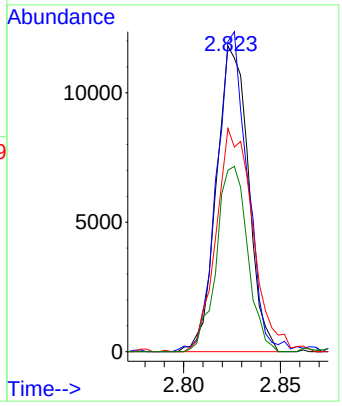




#26
Hexane
Concen: 0.995 ppbv
RT: 2.823 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 57 Resp: 1347

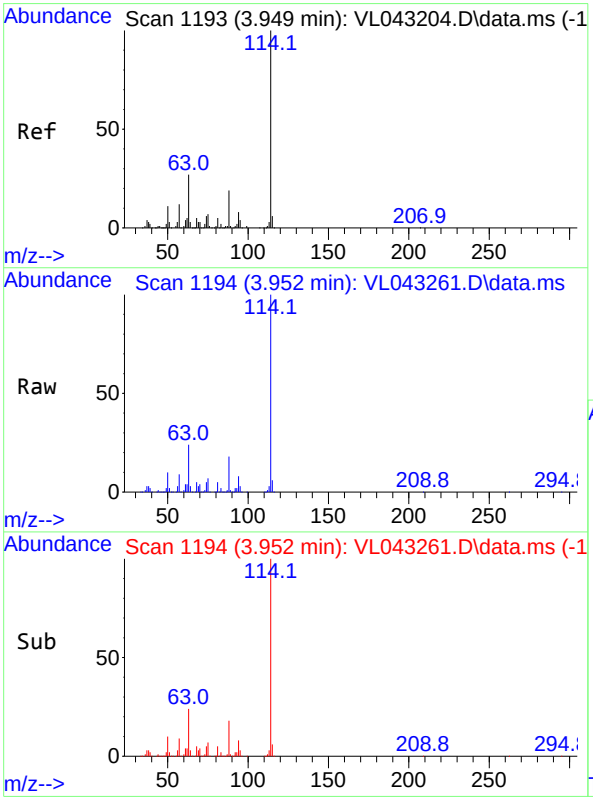
Ion	Ratio	Lower	Upper
57	100		
41	104.5	74.6	111.8
43	84.7	179.0	268.4
56	59.4	42.3	63.5



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

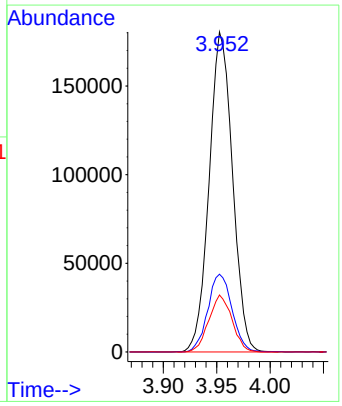
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

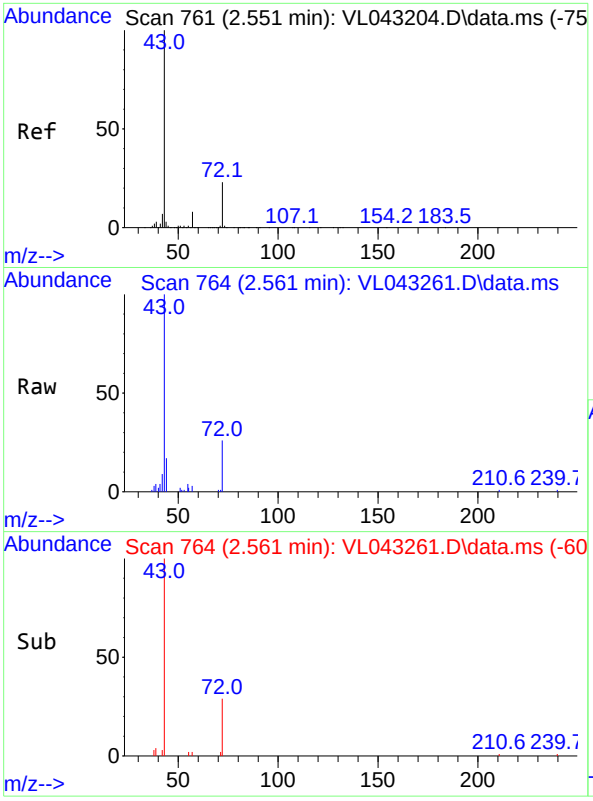


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:114 Resp: 274703

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.0	31.6
88	17.6	14.9	22.3

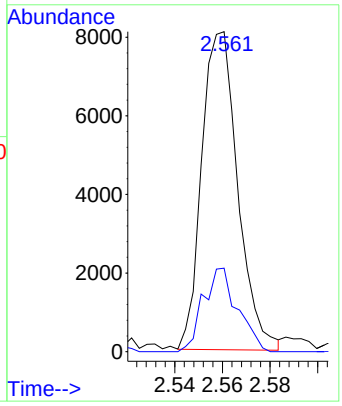




#34
2-Butanone
Concen: 0.439 ppbv
RT: 2.561 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 43 Resp: 851

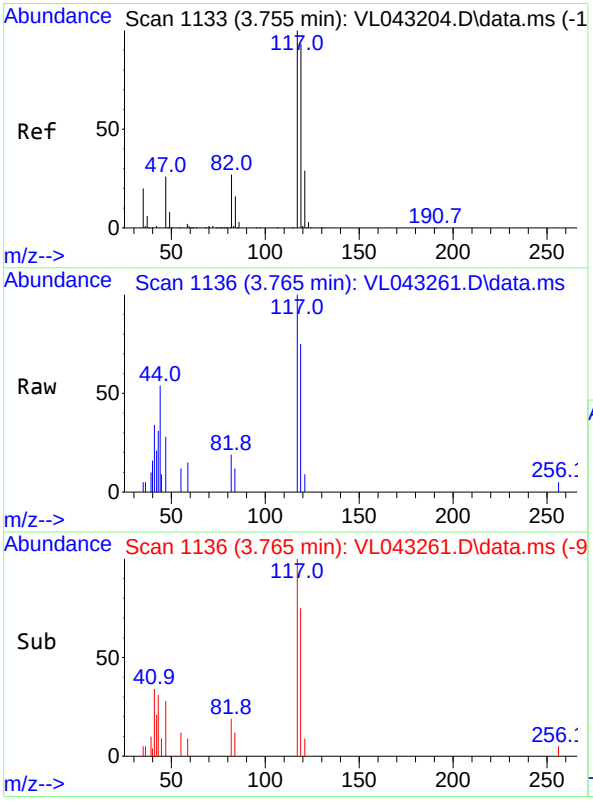
Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

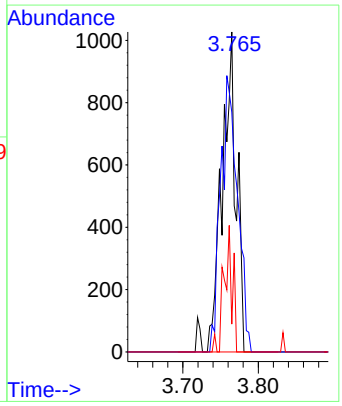
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

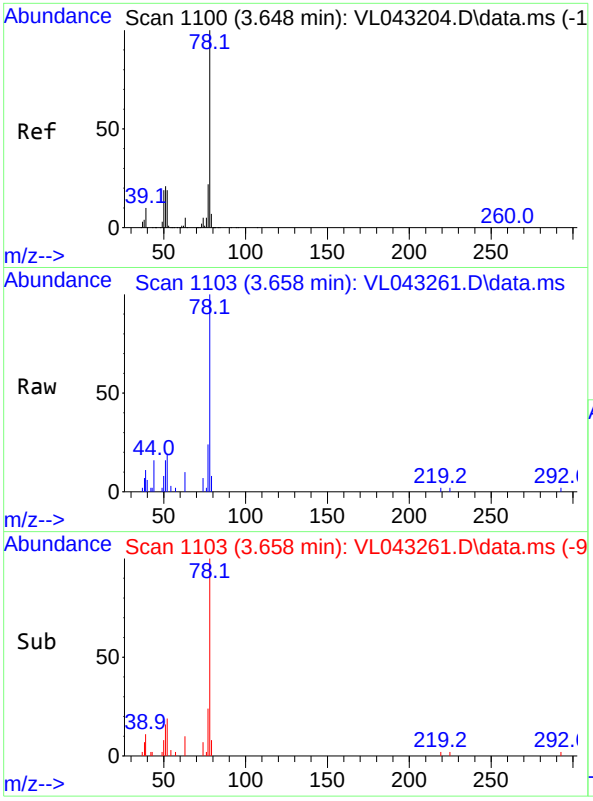


#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 3.765 min Scan# 1136
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:117 Resp: 1354

Ion	Ratio	Lower	Upper
117	100		
119	74.9	74.6	112.0
121	8.7	23.2	34.8#

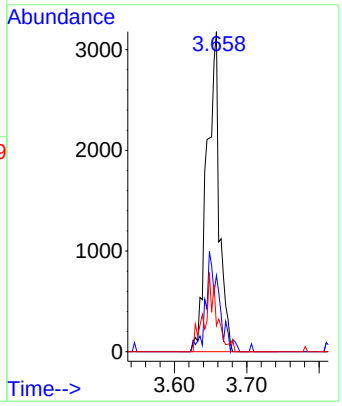




#36
Benzene
Concen: 0.143 ppbv m
RT: 3.658 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 78 Resp: 377

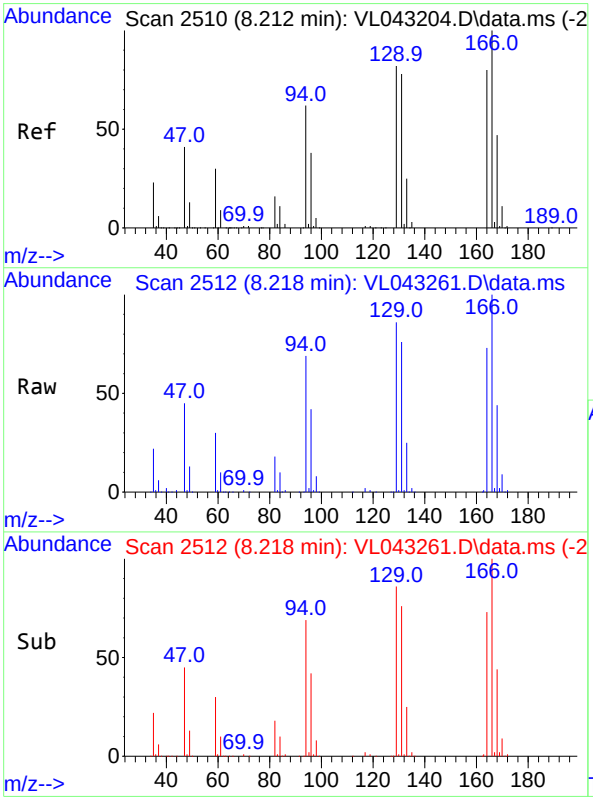
Ion	Ratio	Lower	Upper
78	100		
77	23.9	17.5	26.3
50	8.1	15.5	23.3#



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

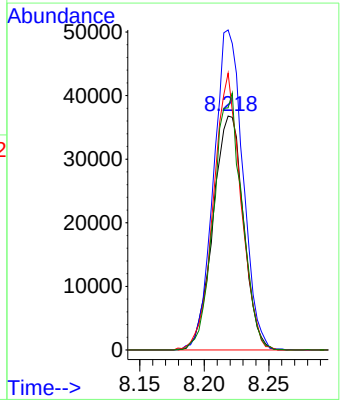
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

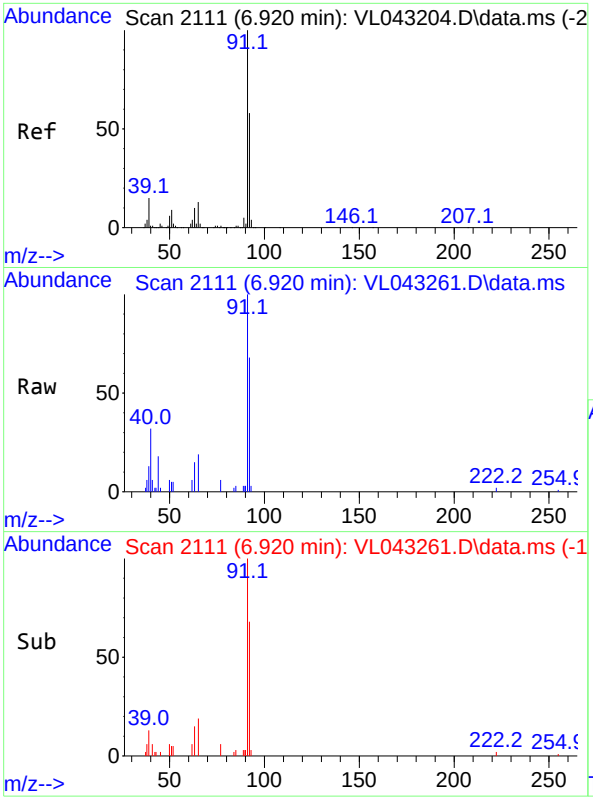


#52
Tetrachloroethene
Concen: 6.160 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:164 Resp: 60277

Ion	Ratio	Lower	Upper
164	100		
166	136.4	99.4	149.2
129	118.3	81.8	122.8
131	103.2	77.4	116.2





#53
Toluene
Concen: 0.223 ppbv m
RT: 6.920 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

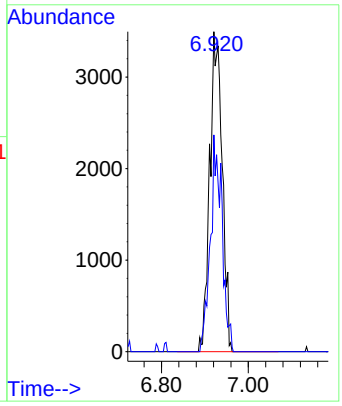
Tgt Ion: 91 Resp: 695

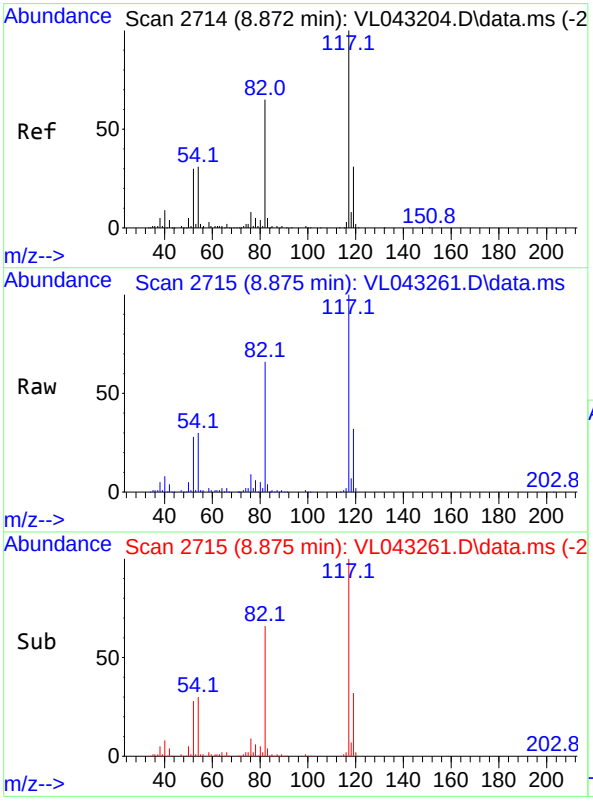
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

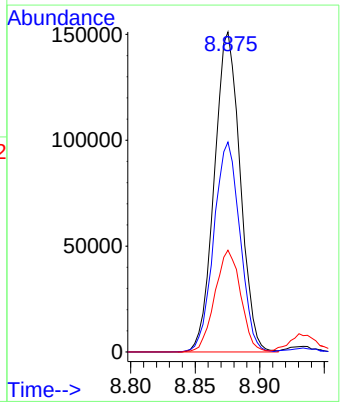


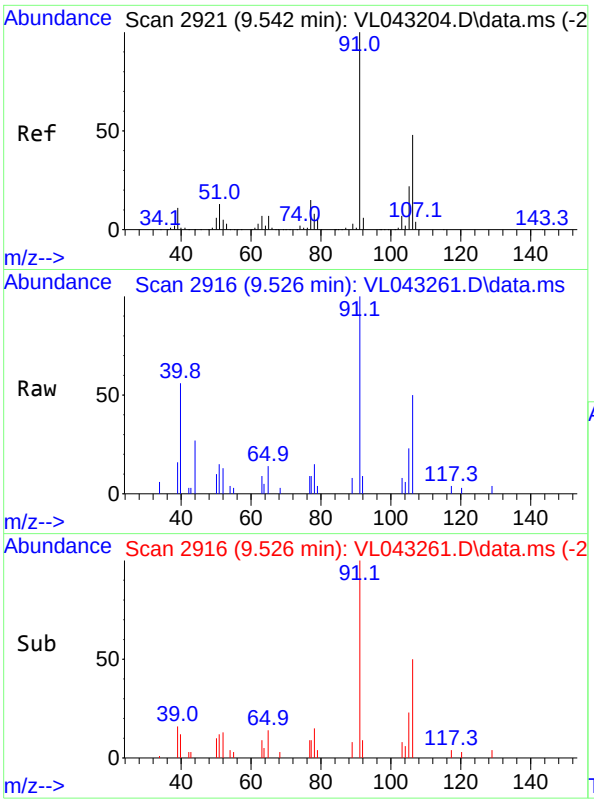


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:117 Resp: 210056

Ion	Ratio	Lower	Upper
117	100		
82	66.6	56.1	84.1
119	31.9	25.0	37.6

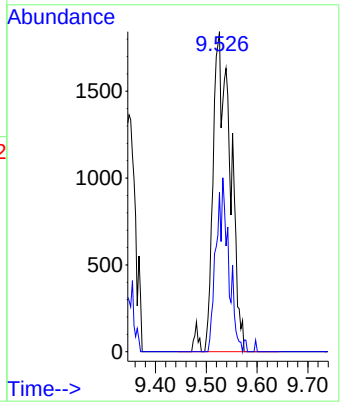




#59
m/p-Xylene
Concen: 0.135 ppbv m
RT: 9.526 min Scan# 2
Delta R.T. -0.016 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 91 Resp: 436

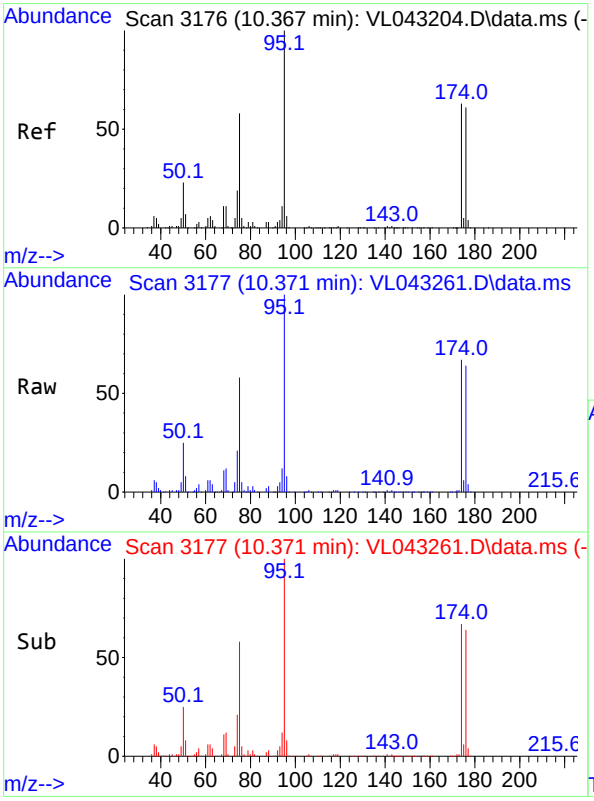
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1



Instrument :
MSVOA_L
ClientSampleId :
SG-1

Manual Integrations
APPROVED

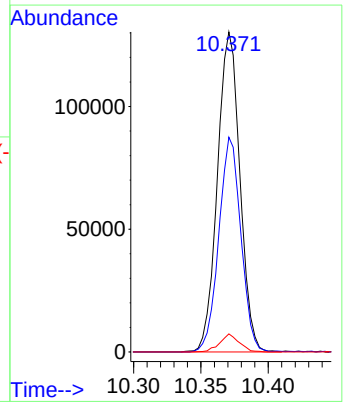
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.823 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 95 Resp: 151243

Ion	Ratio	Lower	Upper
95	100		
174	66.2	50.2	75.2
175	4.9	4.1	6.1



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-2	SDG No.:	Q3655
Lab Sample ID:	Q3655-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.52	2.57	J	2	1.09	4.94	11/20/25 13:24	VL112025
74-87-3	Chloromethane	1.40	2.89		2	0.41	2.07	11/20/25 13:24	VL112025
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/20/25 13:24	VL112025
74-83-9	Bromomethane	0.68	2.64	J	2	0.58	3.88	11/20/25 13:24	VL112025
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/20/25 13:24	VL112025
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/20/25 13:24	VL112025
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/20/25 13:24	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/20/25 13:24	VL112025
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/20/25 13:24	VL112025
75-65-0	tert-Butyl alcohol	0.41	1.24	J	2	0.97	3.03	11/20/25 13:24	VL112025
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/20/25 13:24	VL112025
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/20/25 13:24	VL112025
67-64-1	Acetone	50.7	120	E	2	0.86	2.38	11/20/25 13:24	VL112025
75-15-0	Carbon Disulfide	0.53	1.65	J	2	0.50	3.11	11/20/25 13:24	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/20/25 13:24	VL112025
75-09-2	Methylene Chloride	1.80	6.25		2	1.60	3.47	11/20/25 13:24	VL112025
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/20/25 13:24	VL112025
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/20/25 13:24	VL112025
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/20/25 13:24	VL112025
78-93-3	2-Butanone	2.70	7.96		2	0.32	2.95	11/20/25 13:24	VL112025
56-23-5	Carbon Tetrachloride	0.090	0.57		2	0.31	0.38	11/20/25 13:24	VL112025
156-59-2	cis-1,2-Dichloroethene	0.35	1.39	J	2	0.79	3.96	11/20/25 13:24	VL112025
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/20/25 13:24	VL112025
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/20/25 13:24	VL112025
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/20/25 13:24	VL112025
71-43-2	Benzene	0.42	1.34	J	2	0.51	3.19	11/20/25 13:24	VL112025
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/20/25 13:24	VL112025
79-01-6	Trichloroethene	0.90	4.84		2	0.27	0.32	11/20/25 13:24	VL112025
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/20/25 13:24	VL112025
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/20/25 13:24	VL112025
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/20/25 13:24	VL112025
108-88-3	Toluene	0.65	2.45	J	2	1.21	3.77	11/20/25 13:24	VL112025
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/20/25 13:24	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/20/25 13:24	VL112025
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/20/25 13:24	VL112025
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/20/25 13:24	VL112025
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/20/25 13:24	VL112025
127-18-4	Tetrachloroethene	58.9	399	E	2	0.20	0.41	11/20/25 13:24	VL112025
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/20/25 13:24	VL112025
100-41-4	Ethyl Benzene	0.38	1.65	U	2	1.65	4.34	11/20/25 13:24	VL112025
179601-23-1	m/p-Xylene	0.82	3.56	U	2	3.56	8.69	11/20/25 13:24	VL112025
95-47-6	o-Xylene	0.42	1.82	U	2	1.82	4.34	11/20/25 13:24	VL112025
100-42-5	Styrene	0.32	1.36	U	2	1.36	4.26	11/20/25 13:24	VL112025
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/20/25 13:24	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/20/25 13:24	VL112025
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/20/25 13:24	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-2	SDG No.:	Q3655
Lab Sample ID:	Q3655-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 13:24	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 13:24	VL112025
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01	11/20/25 13:24	VL112025
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 13:24	VL112025
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 13:24	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42	11/20/25 13:24	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7	11/20/25 13:24	VL112025
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21	11/20/25 13:24	VL112025
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05	11/20/25 13:24	VL112025
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92	11/20/25 13:24	VL112025
110-54-3	Hexane	1.70	5.99		2	1.13	3.52	11/20/25 13:24	VL112025
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13	11/20/25 13:24	VL112025
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60	11/20/25 13:24	VL112025
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09	11/20/25 13:24	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.3				70 (65) - 130 (135)	103% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	104000							
540-36-3	1,4-Difluorobenzene	279000							
3114-55-4	Chlorobenzene-d5	219000							

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\VL112025\
Data File : VL043262.D
Acq On : 20 Nov 2025 13:24
Operator : SY/MD
Sample : Q3655-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	103900	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	279180	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	219347	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	166068	10.329	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3828	0.261	ppbv		98
3) Chlorodifluoromethane	1.473	51	1983m	0.138	ppbv		
4) Chloromethane	1.535	50	3761	0.686	ppbv		92
6) Bromomethane	1.667	94	989	0.340	ppbv		94
9) Propene	1.486	41	3938	0.643	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	1889	0.133	ppbv		99
13) Ethanol	1.722	45	14583	6.777	ppbv		91
15) Acetone	1.836	43	365584	25.326	ppbv		98
17) tert-Butyl alcohol	2.043	59	3910	0.206	ppbv	#	62
19) Isopropyl Alcohol	1.884	45	52673	6.457	ppbv	#	1
20) Methylene Chloride	2.062	84	6938	0.918	ppbv	#	87
26) Hexane	2.826	57	11396	0.835	ppbv	#	44
27) Carbon Disulfide	2.153	76	3676	0.264	ppbv	#	1
31) cis-1,2-Dichloroethene	2.719	61	2376	0.175	ppbv	#	93
34) 2-Butanone	2.558	43	26112	1.325	ppbv		96
35) Carbon Tetrachloride	3.765	117	934m	0.044	ppbv		
36) Benzene	3.655	78	5648	0.211	ppbv	#	91
38) Trichloroethene	4.542	130	4693m	0.449	ppbv		
52) Tetrachloroethene	8.222	164	292708	29.432	ppbv		97
53) Toluene	6.930	91	10271m	0.324	ppbv		
59) m/p-Xylene	9.526	91	11087m	0.328	ppbv		
60) o-Xylene	9.963	91	4116	0.122	ppbv		94
74) 1,2,4-Trimethylbenzene	11.533	105	6527	0.173	ppbv	#	51

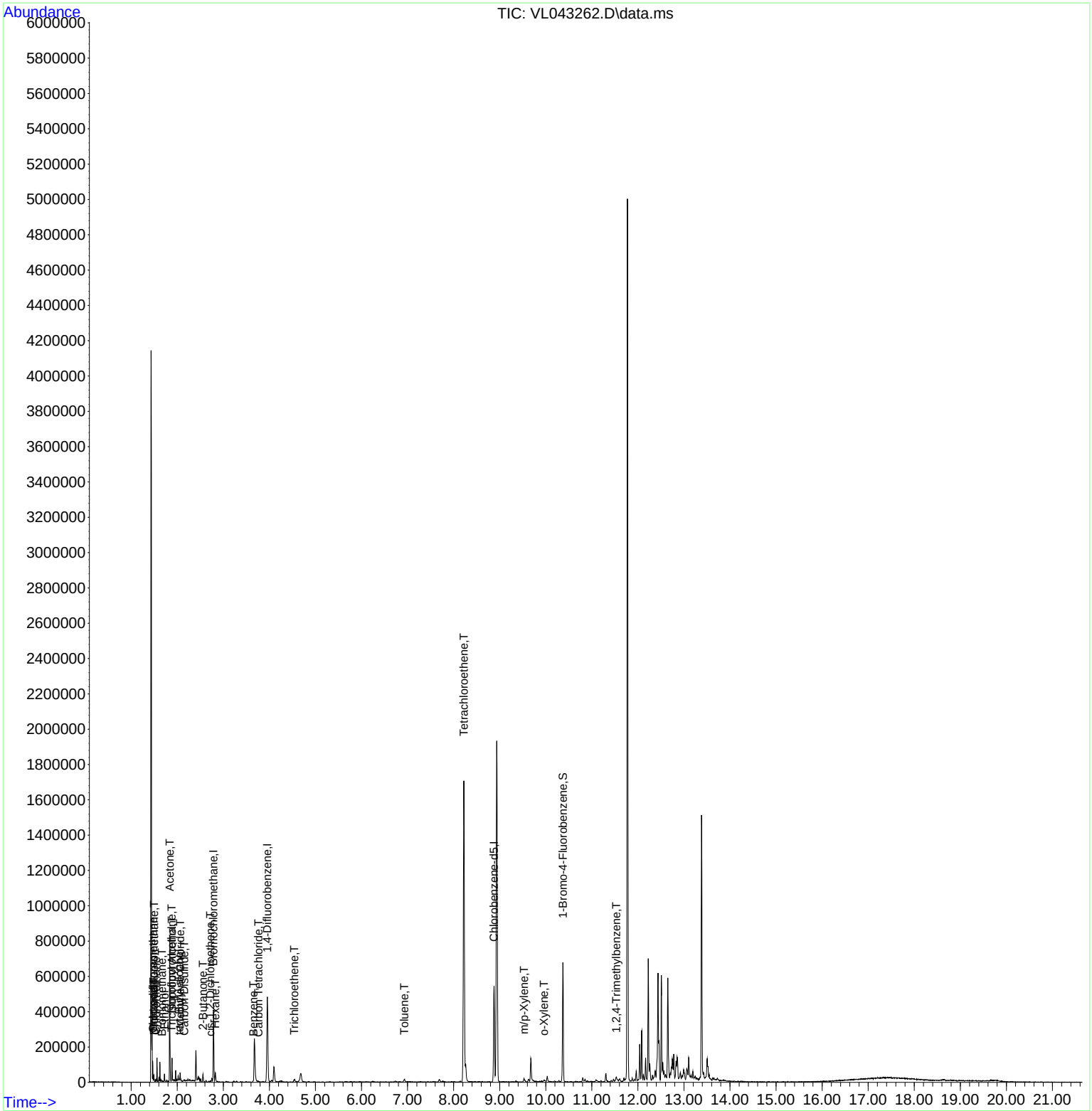
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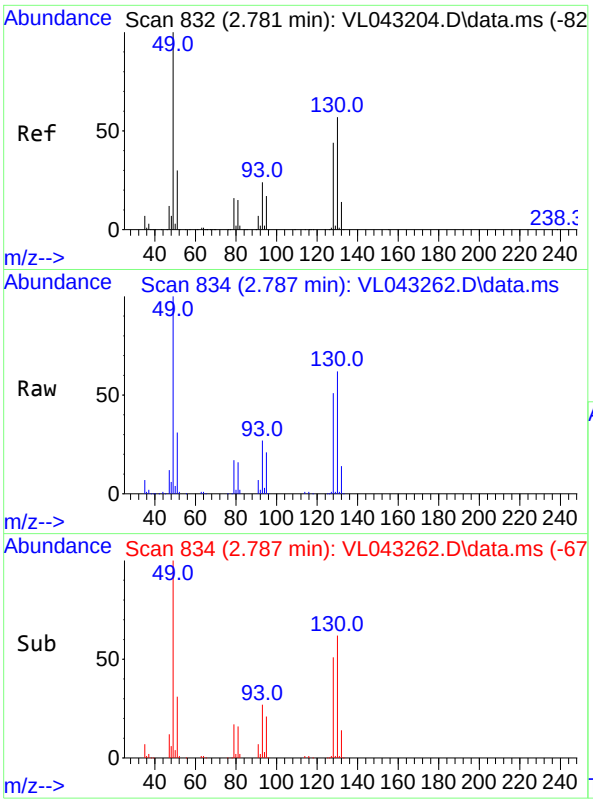
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Data File : VL043262.D
Acq On : 20 Nov 2025 13:24
Operator : SY/MD
Sample : Q3655-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

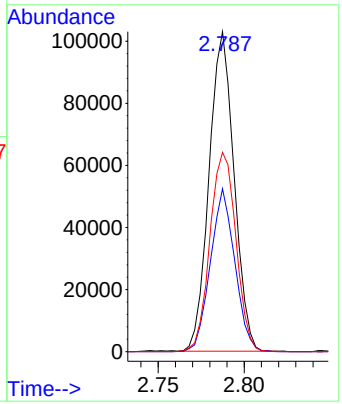




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 49 Resp: 10390

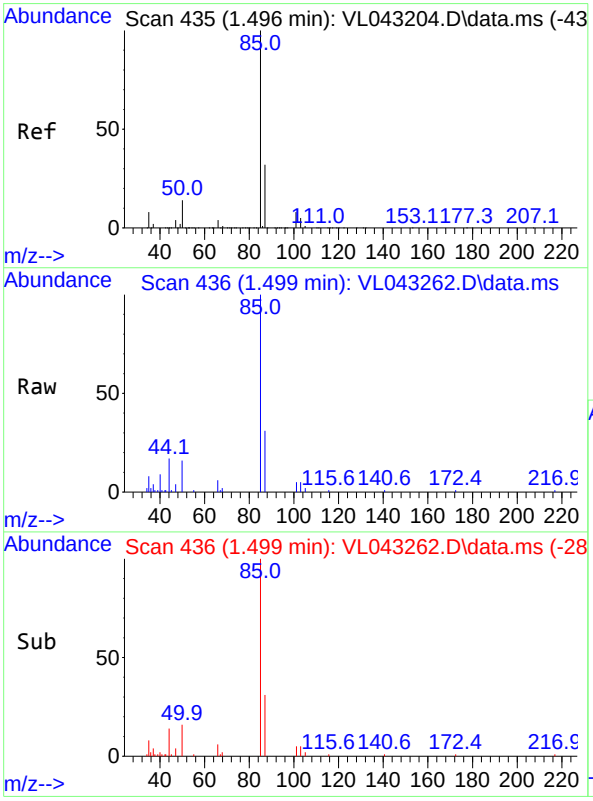
Ion	Ratio	Lower	Upper
49	100		
128	49.8	23.0	69.0
130	65.0	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

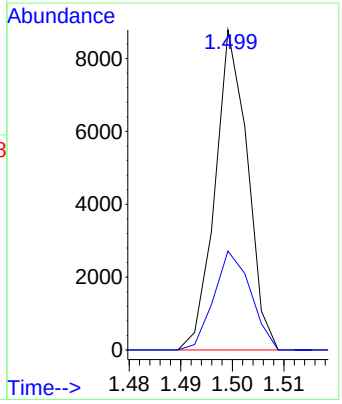
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

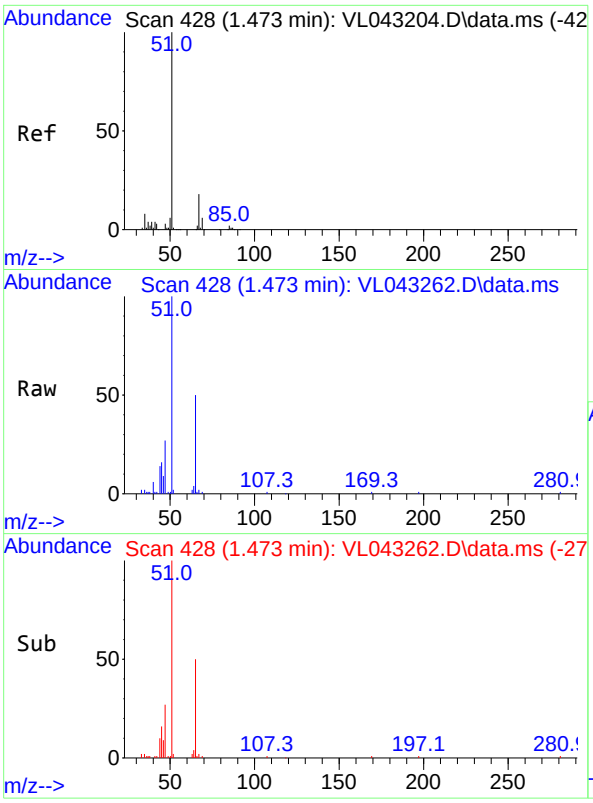


#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 85 Resp: 3828

Ion	Ratio	Lower	Upper
85	100		
87	30.9	25.4	38.2

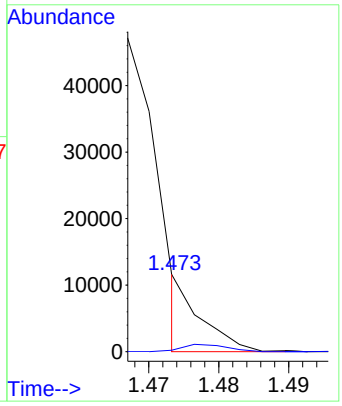




#3
Chlorodifluoromethane
Concen: 0.138 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 51 Resp: 198

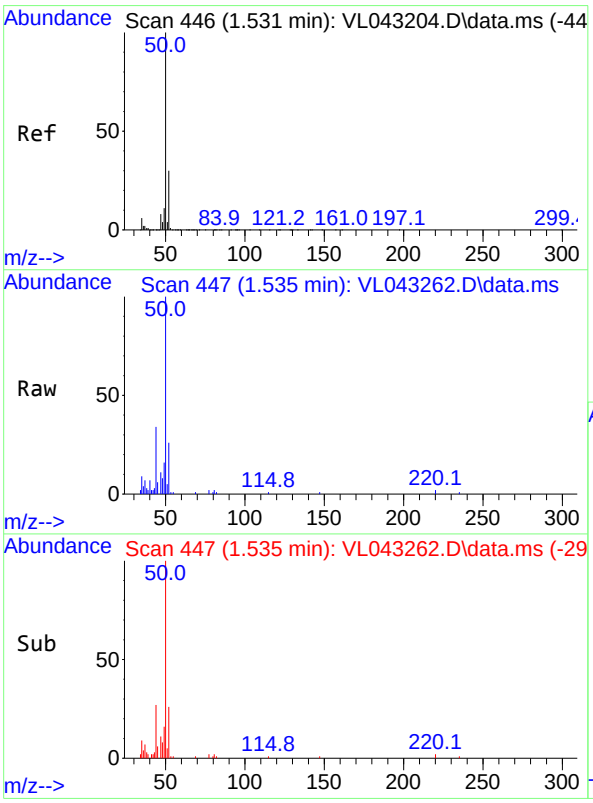
Ion	Ratio	Lower	Upper
51	100		
67	26.1	14.9	22.3#



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

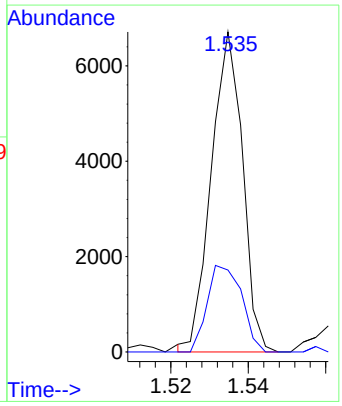
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

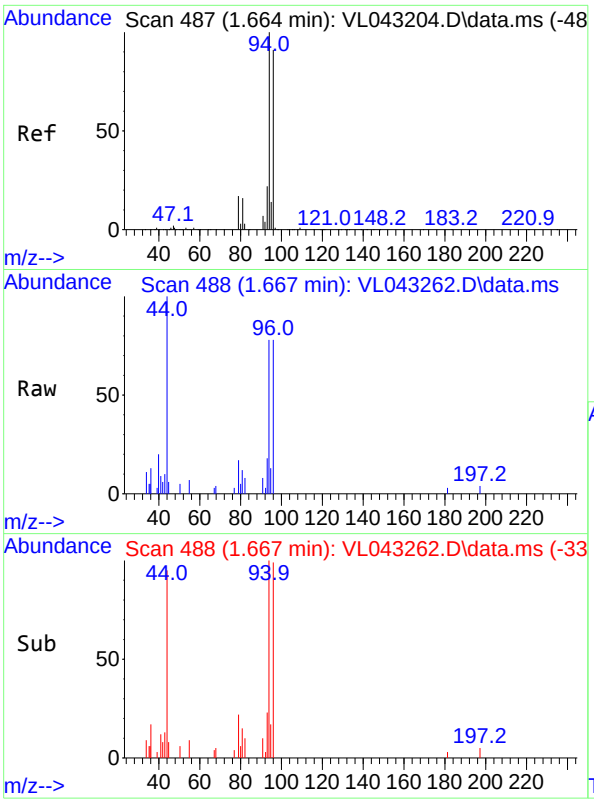


#4
Chloromethane
Concen: 0.686 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 50 Resp: 3761

Ion	Ratio	Lower	Upper
50	100		
52	25.6	24.1	36.1

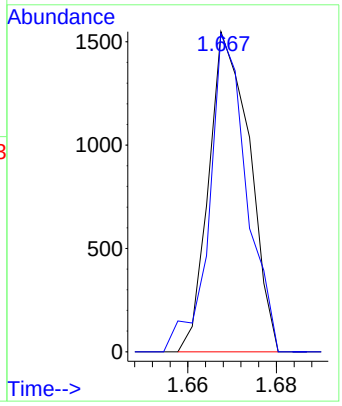




#6
Bromomethane
Concen: 0.340 ppbv
RT: 1.667 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 94 Resp: 98

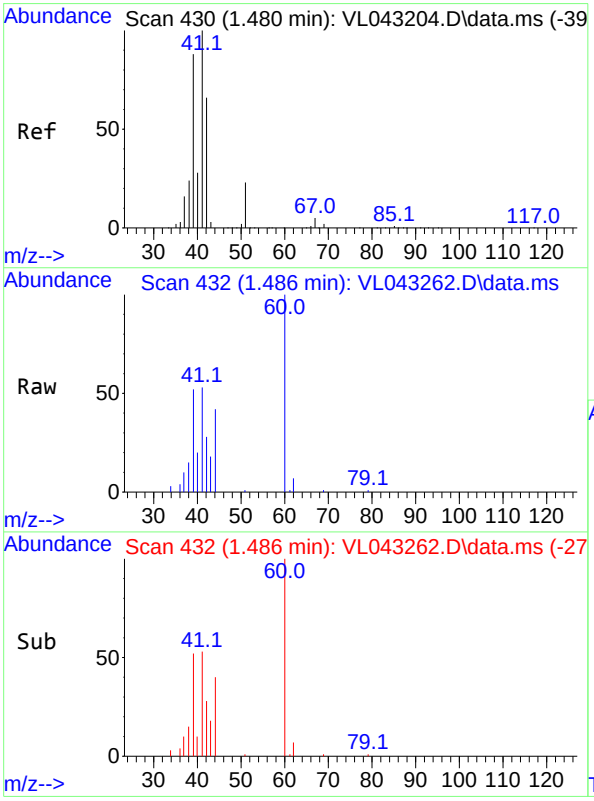
Ion	Ratio	Lower	Upper
94	100		
96	85.3	72.9	109.3



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

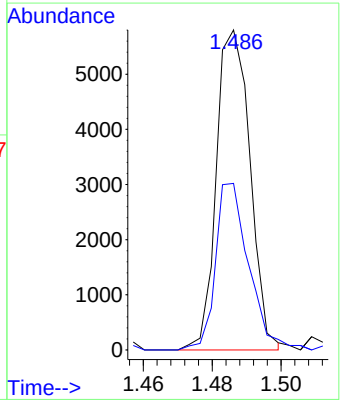
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

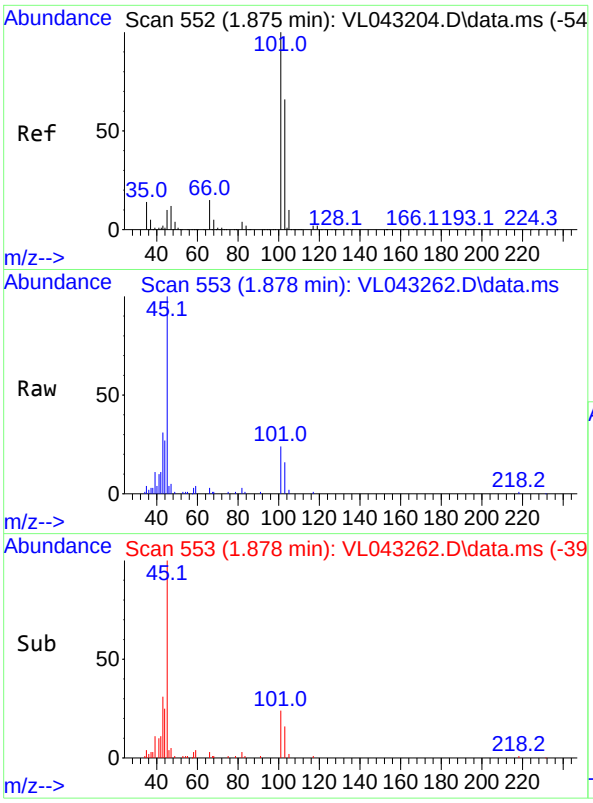


#9
Propene
Concen: 0.643 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 41 Resp: 3938

Ion	Ratio	Lower	Upper
41	100		
42	55.2	3.7	5.5#

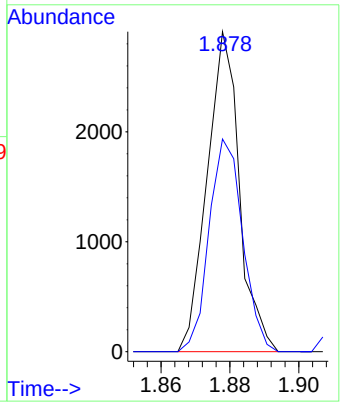




#11
Trichlorofluoromethane
Concen: 0.133 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:101 Resp: 188

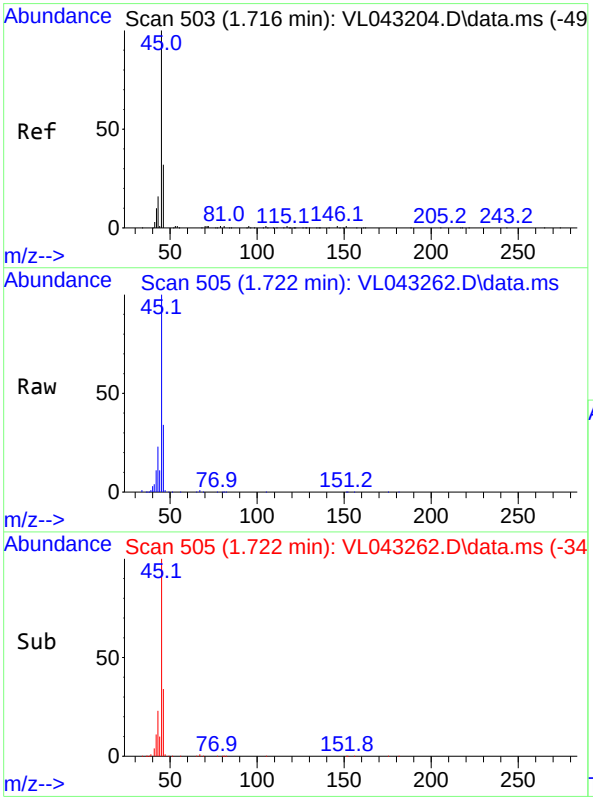
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

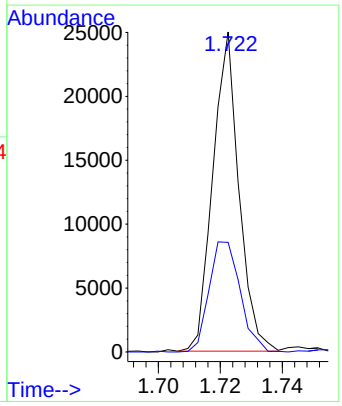
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

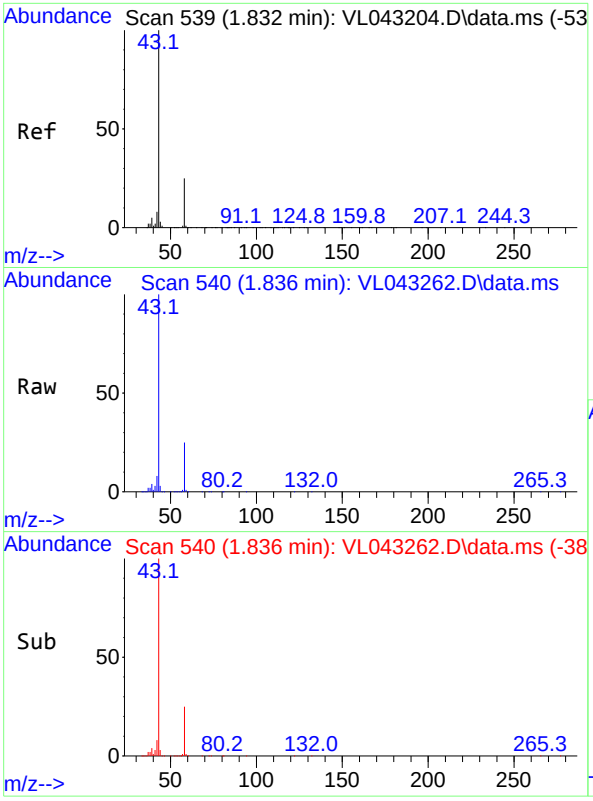


#13
Ethanol
Concen: 6.777 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 45 Resp: 14583

Ion	Ratio	Lower	Upper
45	100		
46	42.9	15.0	59.8

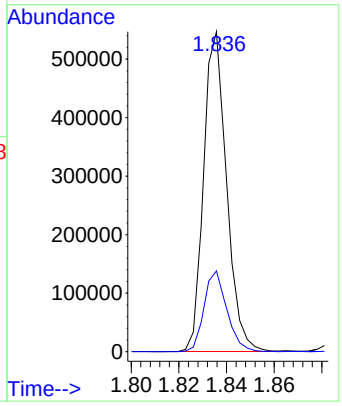




#15
Acetone
Concen: 25.326 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 43 Resp: 36558

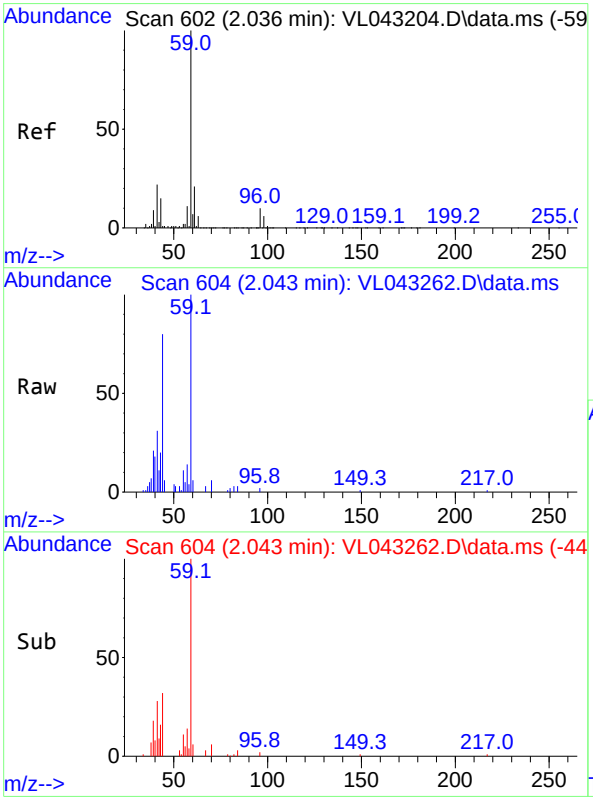
Ion	Ratio	Lower	Upper
43	100		
58	25.1	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

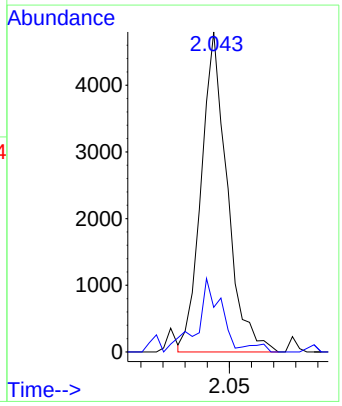
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

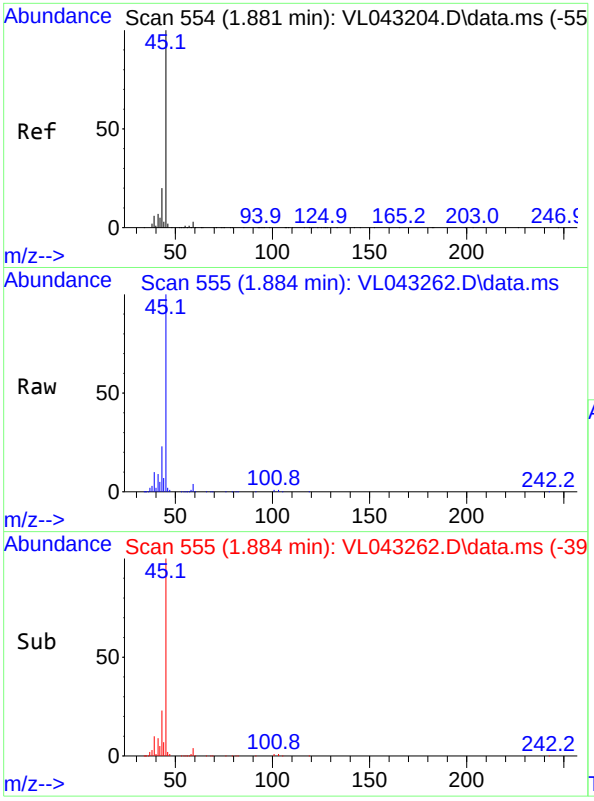


#17
tert-Butyl alcohol
Concen: 0.206 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 59 Resp: 3910

Ion	Ratio	Lower	Upper
59	100		
57	25.5	9.0	13.4#

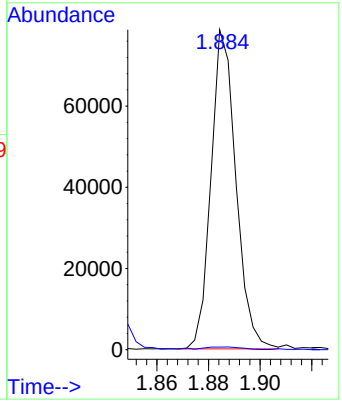




#19
Isopropyl Alcohol
Concen: 6.457 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 45 Resp: 5267

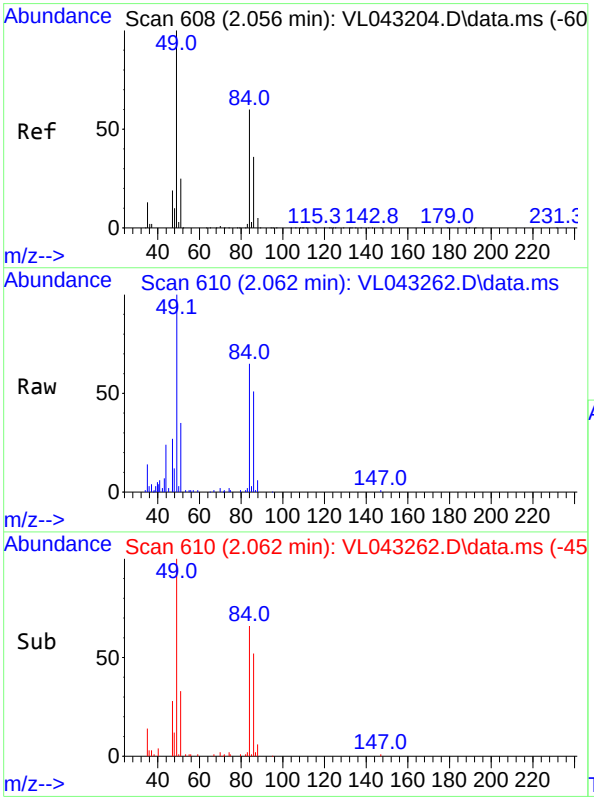
Ion	Ratio	Lower	Upper
45	100		
58	174.4	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

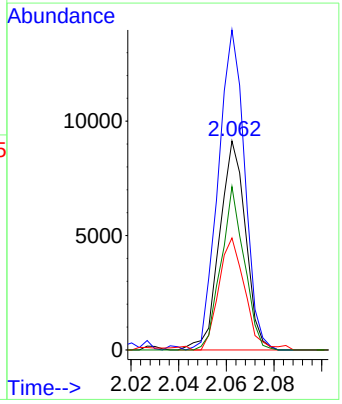
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

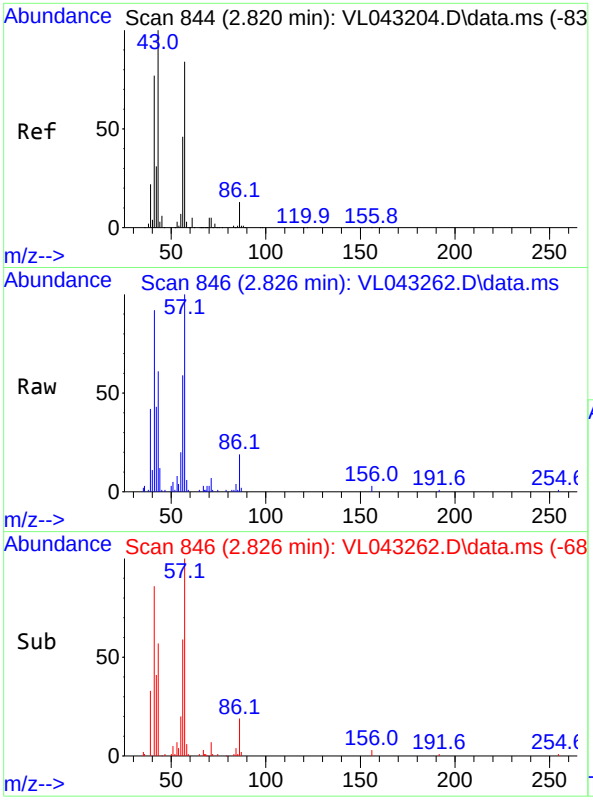


#20
Methylene Chloride
Concen: 0.918 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 84 Resp: 6938

Ion	Ratio	Lower	Upper
84	100		
49	153.1	132.9	199.3
51	52.3	34.8	52.2#
86	78.2	48.2	72.2#

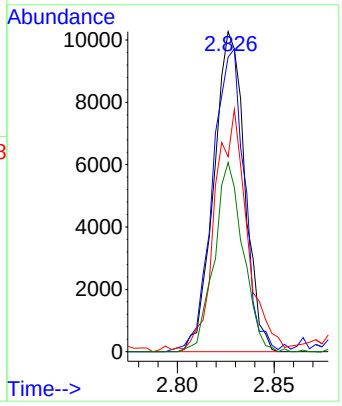




#26
Hexane
Concen: 0.835 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 57 Resp: 1139

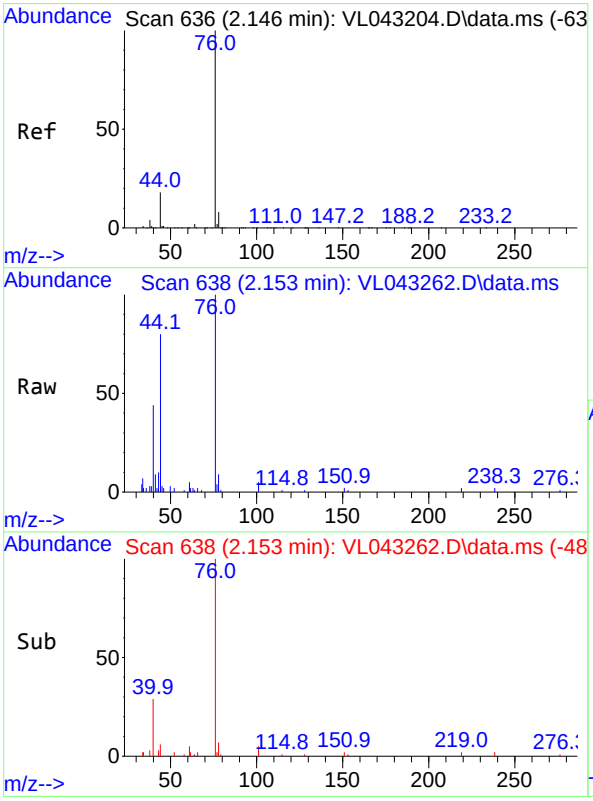
Ion	Ratio	Lower	Upper
57	100		
41	97.9	74.6	111.8
43	78.3	179.0	268.4#
56	55.5	42.3	63.5



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

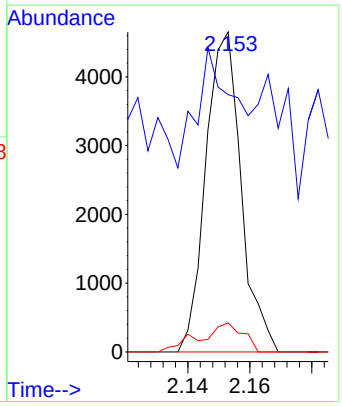
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

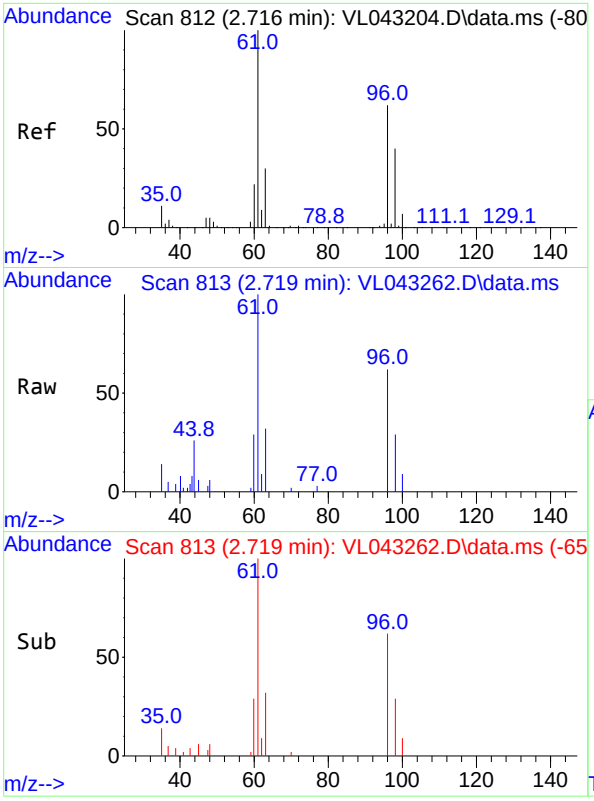


#27
Carbon Disulfide
Concen: 0.264 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 76 Resp: 3676

Ion	Ratio	Lower	Upper
76	100		
44	98.2	16.1	24.1#
78	11.0	9.6	14.4

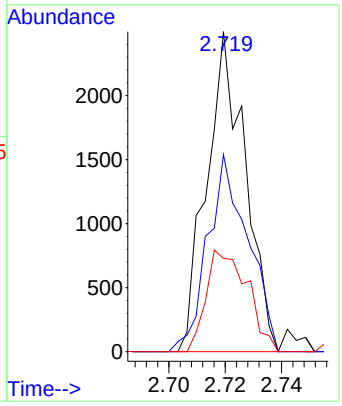




#31
cis-1,2-Dichloroethene
Concen: 0.175 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 61 Resp: 237

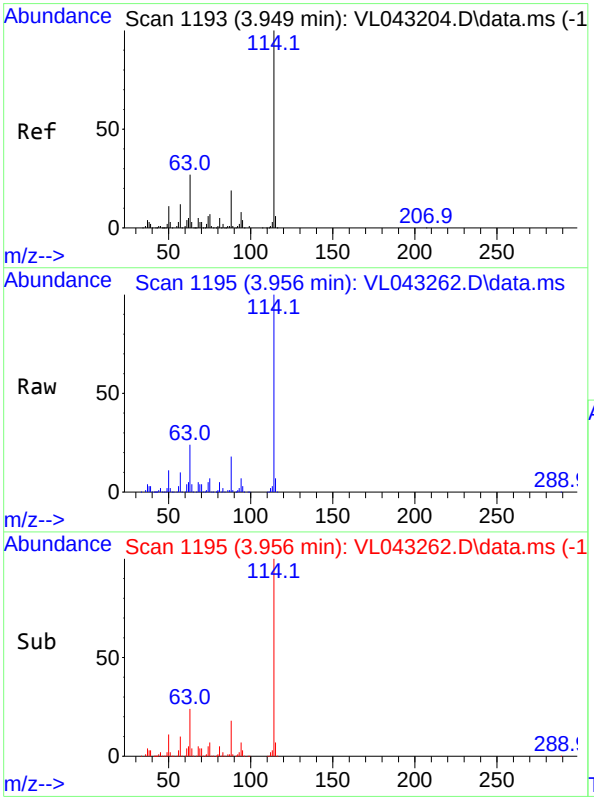
Ion	Ratio	Lower	Upper
61	100		
96	61.6	49.3	73.9
98	29.1	32.1	48.1#



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

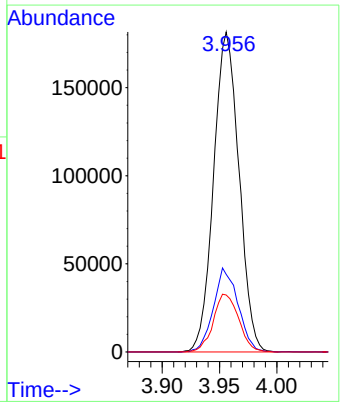
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

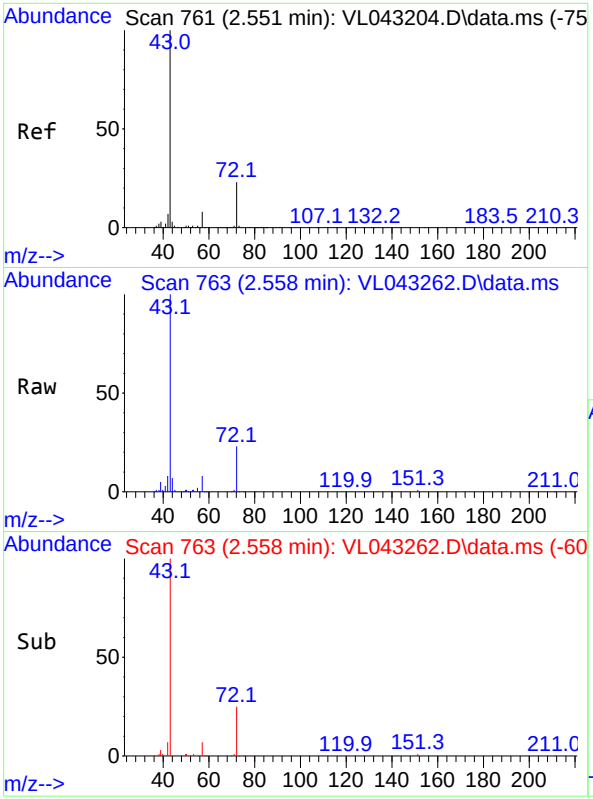


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:114 Resp: 279180

Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.0	31.6
88	18.2	14.9	22.3

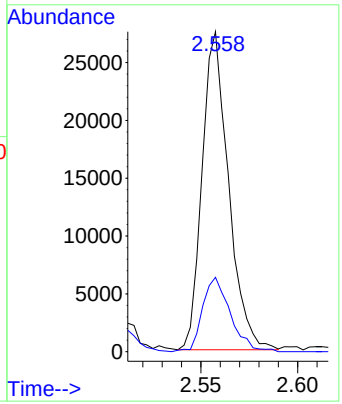




#34
2-Butanone
Concen: 1.325 ppbv
RT: 2.558 min Scan# 7
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 43 Resp: 2611

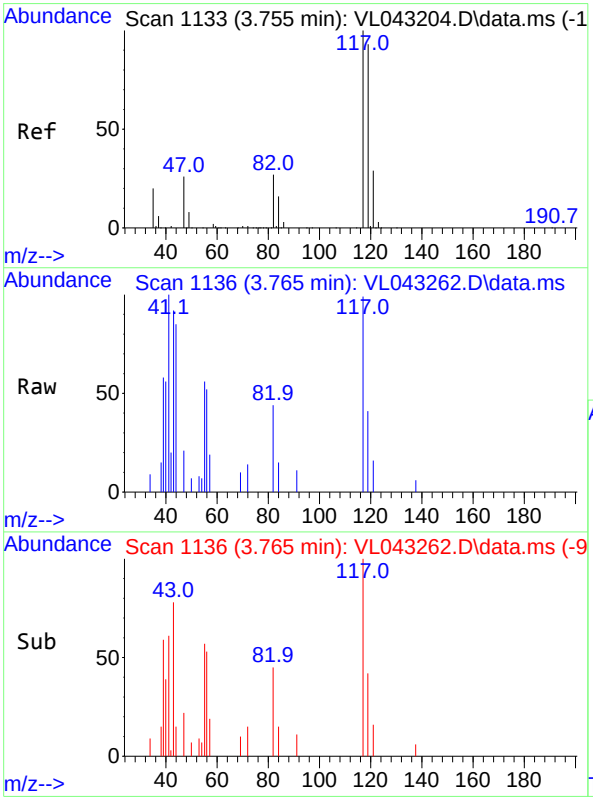
Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

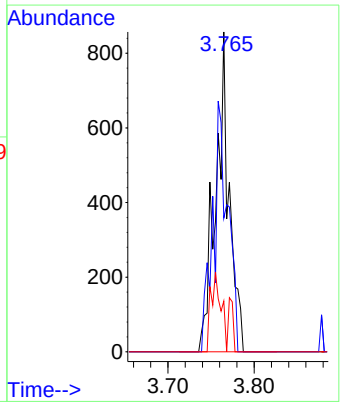
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

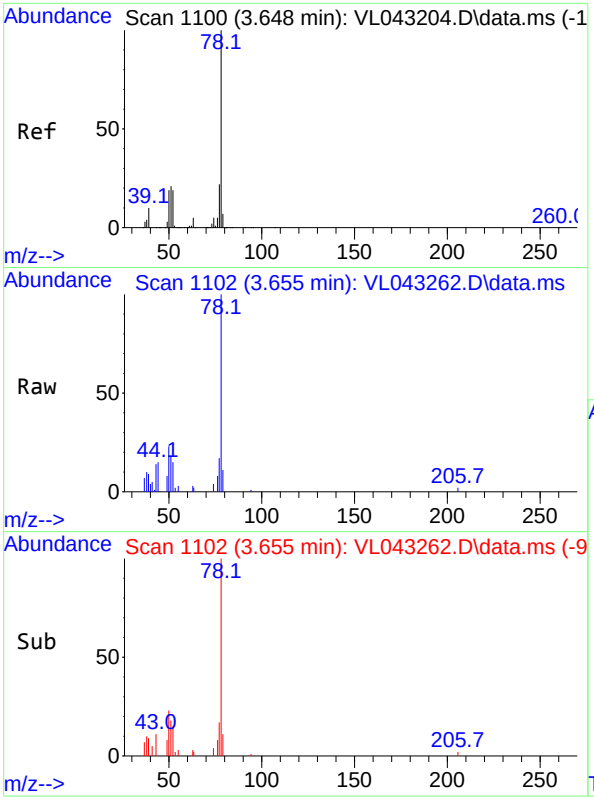


#35
Carbon Tetrachloride
Concen: 0.044 ppbv m
RT: 3.765 min Scan# 1136
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:117 Resp: 934

Ion	Ratio	Lower	Upper
117	100		
119	41.8	74.6	112.0#
121	15.9	23.2	34.8#

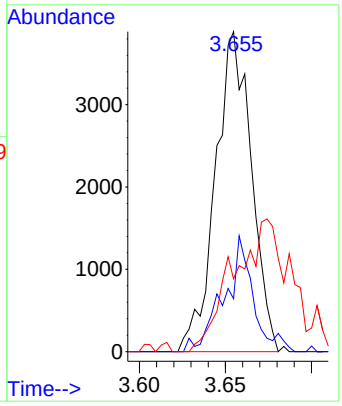




#36
Benzene
Concen: 0.211 ppbv
RT: 3.655 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 78 Resp: 564

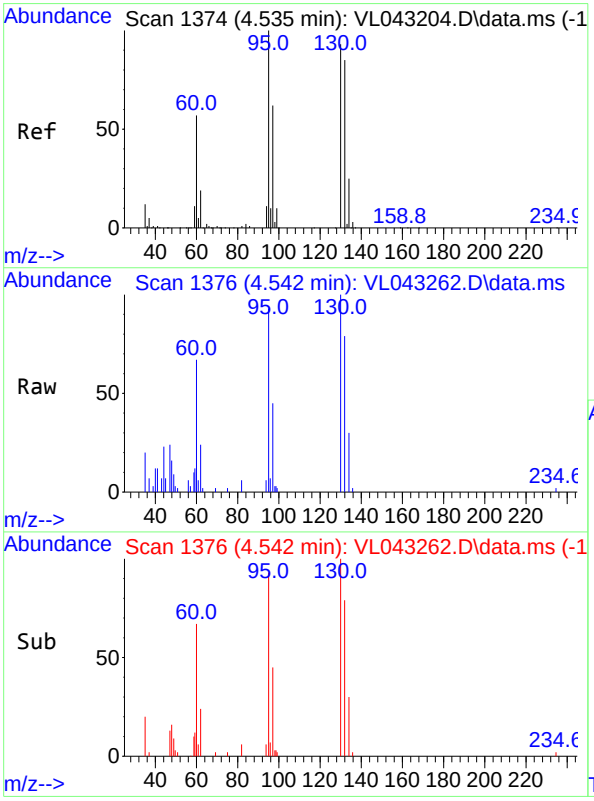
Ion	Ratio	Lower	Upper
78	100		
77	16.6	17.5	26.3#
50	22.8	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

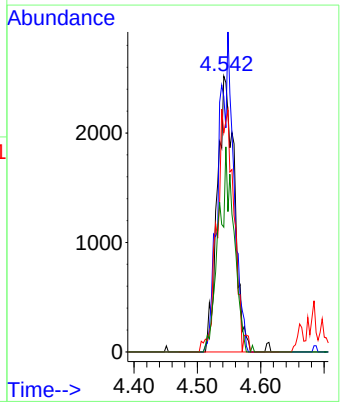
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

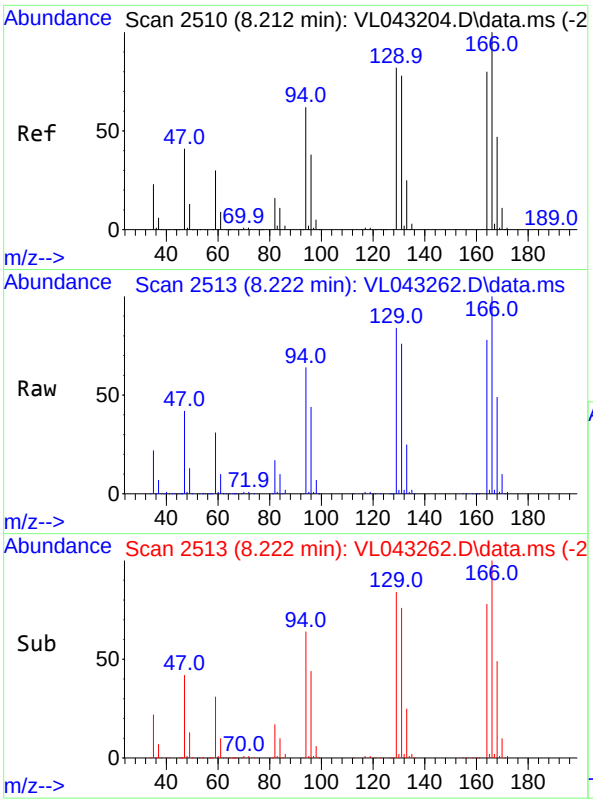


#38
Trichloroethene
Concen: 0.449 ppbv m
RT: 4.542 min Scan# 1376
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:130 Resp: 4693

Ion	Ratio	Lower	Upper
130	100		
95	92.6	85.7	128.5
132	79.5	73.4	110.0
97	45.3	52.7	79.1#

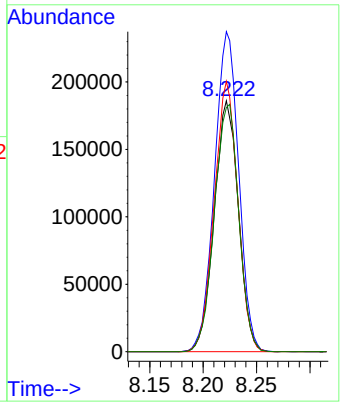




#52
Tetrachloroethene
Concen: 29.432 ppbv
RT: 8.222 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:164 Resp: 29270

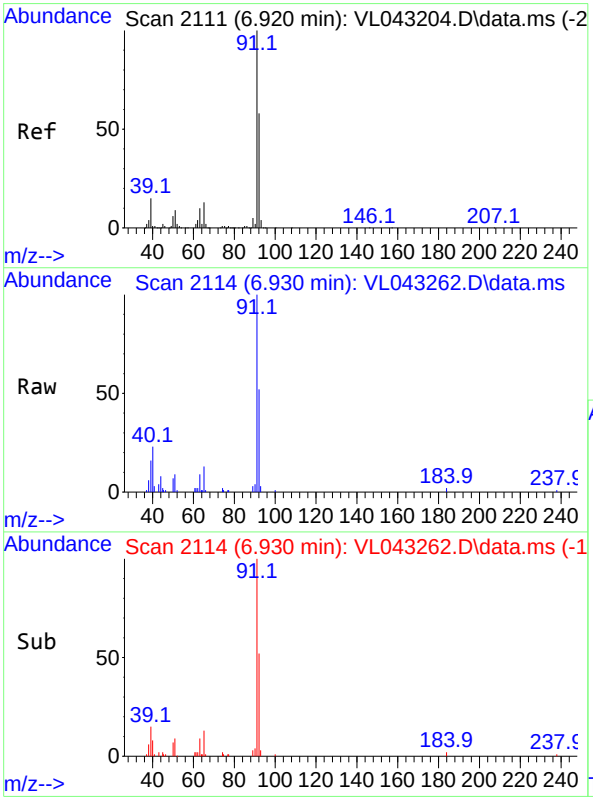
Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.4	149.2
129	107.8	81.8	122.8
131	97.3	77.4	116.2



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

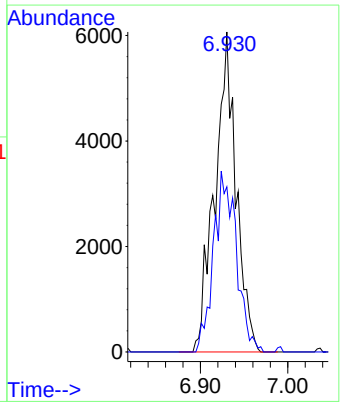
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

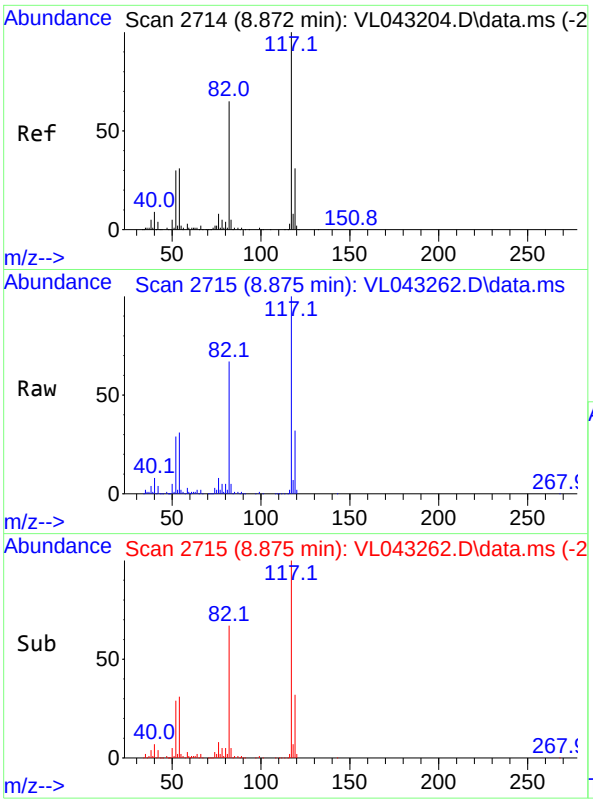


#53
Toluene
Concen: 0.324 ppbv m
RT: 6.930 min Scan# 2114
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 91 Resp: 10271

Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.4	71.0

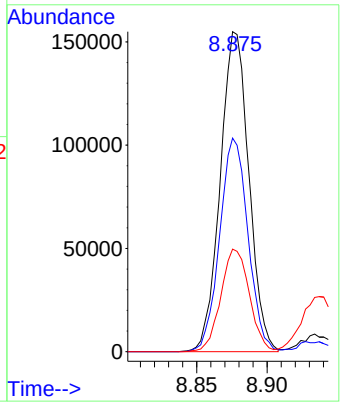




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:117 Resp: 21934

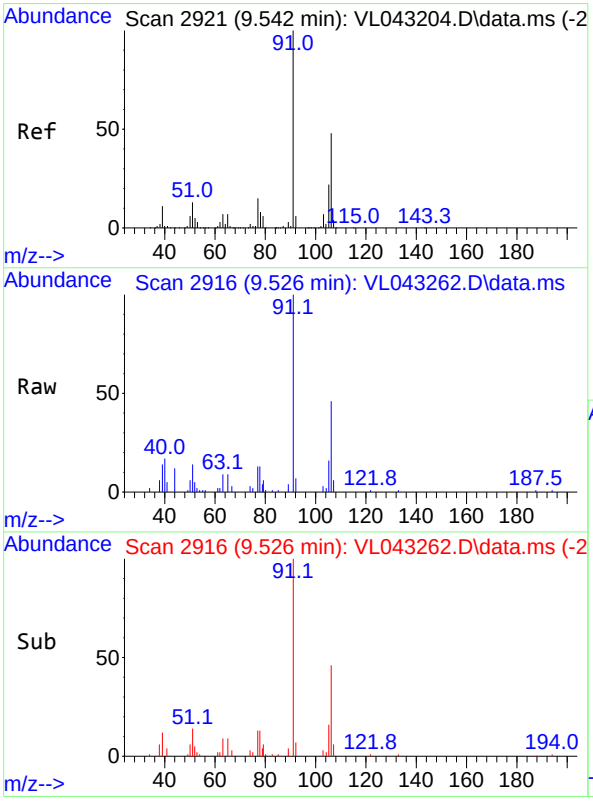
Ion	Ratio	Lower	Upper
117	100		
82	66.1	56.1	84.1
119	31.9	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

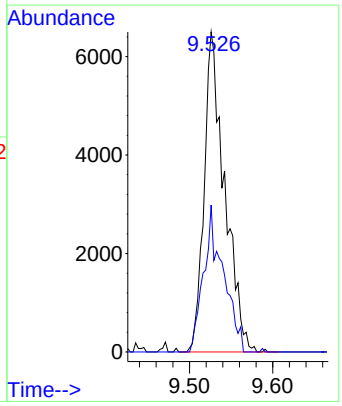
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

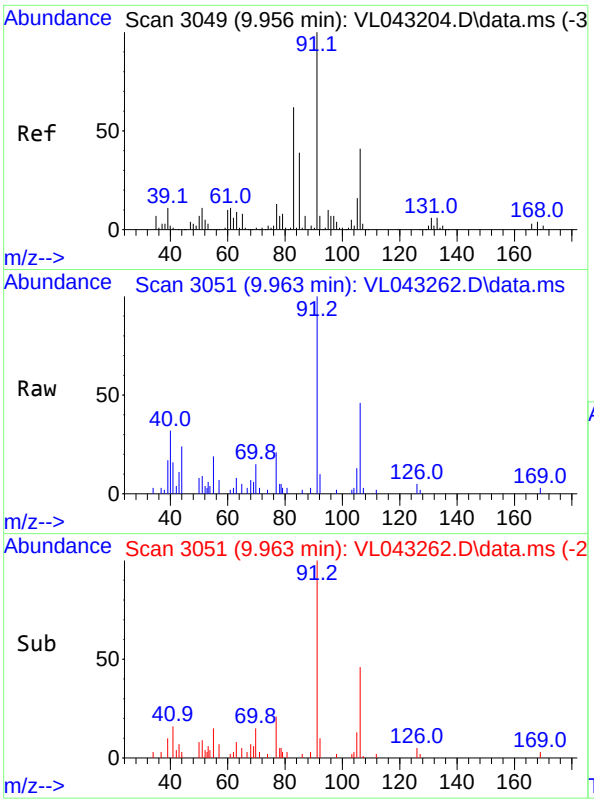


#59
m/p-Xylene
Concen: 0.328 ppbv m
RT: 9.526 min Scan# 2916
Delta R.T. -0.016 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 91 Resp: 11087

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

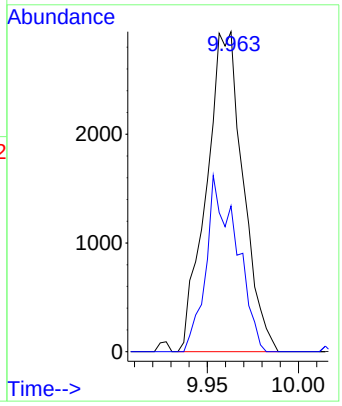




#60
o-Xylene
Concen: 0.122 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 91 Resp: 411

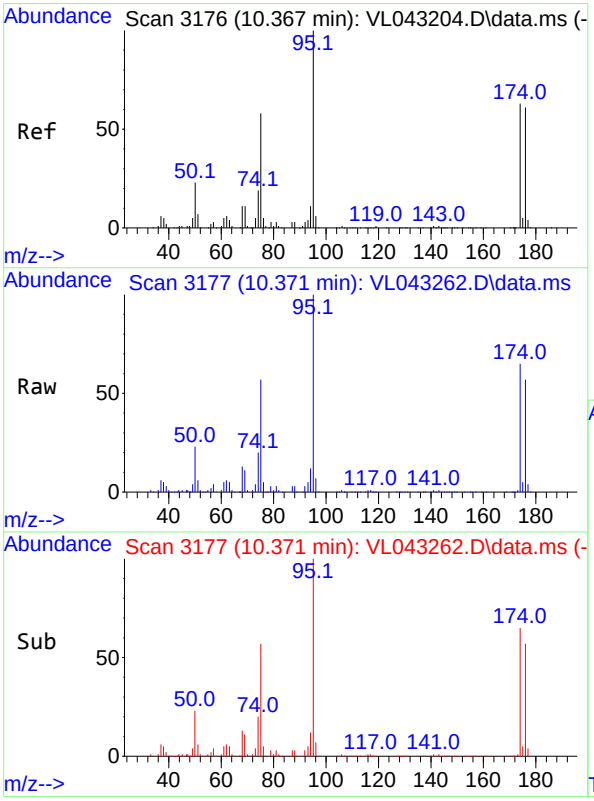
Ion	Ratio	Lower	Upper
91	100		
106	45.8	20.9	62.8



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

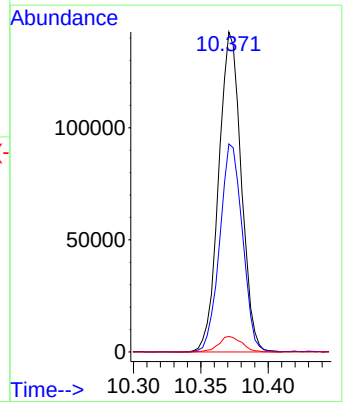
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

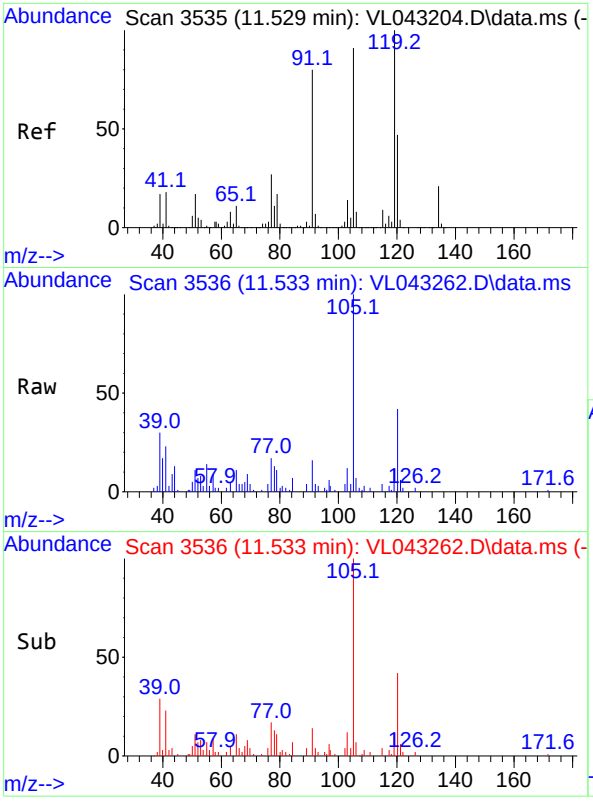


#68
1-Bromo-4-Fluorobenzene
Concen: 10.329 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 95 Resp: 166068

Ion	Ratio	Lower	Upper
95	100		
174	65.7	50.2	75.2
175	5.0	4.1	6.1

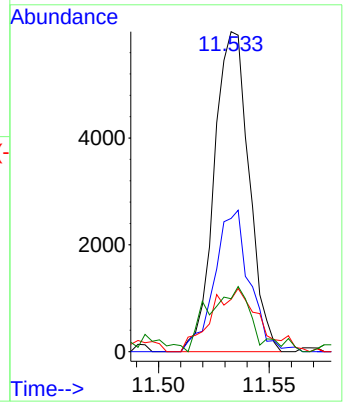




#74
1,2,4-Trimethylbenzene
Concen: 0.173 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:105 Resp: 652

Ion	Ratio	Lower	Upper
105	100		
120	41.6	41.7	62.5#
91	16.3	70.0	105.0#
77	14.6	23.8	35.8#



Instrument :
MSVOA_L
ClientSampleId :
SG-2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-2DL	SDG No.:	Q3655
Lab Sample ID:	Q3655-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	10	5.44	24.7	11/20/25 16:54	VL112025
74-87-3	Chloromethane	1.80	3.72	JD	10	2.02	10.3	11/20/25 16:54	VL112025
75-01-4	Vinyl Chloride	0.25	0.64	UD	10	0.64	0.77	11/20/25 16:54	VL112025
74-83-9	Bromomethane	0.77	2.99	UD	10	2.99	19.4	11/20/25 16:54	VL112025
75-00-3	Chloroethane	1.50	3.96	UD	10	3.96	13.2	11/20/25 16:54	VL112025
109-99-9	Tetrahydrofuran	0.80	2.36	UD	10	2.36	14.8	11/20/25 16:54	VL112025
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	10	9.55	28.1	11/20/25 16:54	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10	10.7	38.3	11/20/25 16:54	VL112025
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10	10.5	35.0	11/20/25 16:54	VL112025
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	10	4.85	15.2	11/20/25 16:54	VL112025
142-82-5	Heptane	1.70	6.97	UD	10	6.97	20.5	11/20/25 16:54	VL112025
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	10	5.95	19.8	11/20/25 16:54	VL112025
67-64-1	Acetone	48.5	115	D	10	4.28	11.9	11/20/25 16:54	VL112025
75-15-0	Carbon Disulfide	0.80	2.49	UD	10	2.49	15.6	11/20/25 16:54	VL112025
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	10	8.29	18.0	11/20/25 16:54	VL112025
75-09-2	Methylene Chloride	3.40	11.8	JD	10	7.99	17.4	11/20/25 16:54	VL112025
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	10	4.76	19.8	11/20/25 16:54	VL112025
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	10	5.26	20.2	11/20/25 16:54	VL112025
110-82-7	Cyclohexane	2.20	7.57	UD	10	7.57	17.2	11/20/25 16:54	VL112025
78-93-3	2-Butanone	2.50	7.37	JD	10	1.65	14.8	11/20/25 16:54	VL112025
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	10	1.57	1.89	11/20/25 16:54	VL112025
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	10	3.93	19.8	11/20/25 16:54	VL112025
67-66-3	Chloroform	0.96	4.69	UD	10	4.69	24.4	11/20/25 16:54	VL112025
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	10	0.87	1.64	11/20/25 16:54	VL112025
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	10	6.54	23.4	11/20/25 16:54	VL112025
71-43-2	Benzene	0.79	2.52	UD	10	2.52	16.0	11/20/25 16:54	VL112025
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	10	3.76	20.2	11/20/25 16:54	VL112025
79-01-6	Trichloroethene	0.94	5.05	D	10	1.29	1.61	11/20/25 16:54	VL112025
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	10	6.01	23.1	11/20/25 16:54	VL112025
75-27-4	Bromodichloromethane	0.63	4.22	UD	10	4.22	33.5	11/20/25 16:54	VL112025
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	10	3.98	20.5	11/20/25 16:54	VL112025
108-88-3	Toluene	1.60	6.03	UD	10	6.03	18.8	11/20/25 16:54	VL112025
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	10	6.81	22.7	11/20/25 16:54	VL112025
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	10	4.99	22.7	11/20/25 16:54	VL112025
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	10	4.42	27.3	11/20/25 16:54	VL112025
124-48-1	Dibromochloromethane	0.85	7.24	UD	10	7.24	42.6	11/20/25 16:54	VL112025
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	10	6.53	7.69	11/20/25 16:54	VL112025
127-18-4	Tetrachloroethene	54.9	372	D	10	1.02	2.03	11/20/25 16:54	VL112025
108-90-7	Chlorobenzene	0.77	3.55	UD	10	3.55	23.0	11/20/25 16:54	VL112025
100-41-4	Ethyl Benzene	1.90	8.25	UD	10	8.25	21.7	11/20/25 16:54	VL112025
179601-23-1	m/p-Xylene	4.10	17.8	UD	10	17.8	43.4	11/20/25 16:54	VL112025
95-47-6	o-Xylene	2.10	9.12	UD	10	9.12	21.7	11/20/25 16:54	VL112025
100-42-5	Styrene	1.60	6.81	UD	10	6.81	21.3	11/20/25 16:54	VL112025
75-25-2	Bromoform	0.48	4.96	UD	10	4.96	51.7	11/20/25 16:54	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	10	1.24	2.06	11/20/25 16:54	VL112025
95-49-8	2-Chlorotoluene	1.70	8.80	UD	10	8.80	25.9	11/20/25 16:54	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-2DL	SDG No.:	Q3655
Lab Sample ID:	Q3655-02DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	10	8.85	24.6	11/20/25 16:54	VL112025
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	10	8.85	24.6	11/20/25 16:54	VL112025
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	10	3.25	30.1	11/20/25 16:54	VL112025
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	10	7.82	30.1	11/20/25 16:54	VL112025
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	10	7.82	30.1	11/20/25 16:54	VL112025
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	10	15.6	37.1	11/20/25 16:54	VL112025
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	10	13.9	53.3	11/20/25 16:54	VL112025
106-99-0	1,3-Butadiene	0.51	1.13	UD	10	1.13	11.1	11/20/25 16:54	VL112025
91-20-3	Naphthalene	0.13	0.68	UD	10	0.68	5.24	11/20/25 16:54	VL112025
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10	10.3	24.6	11/20/25 16:54	VL112025
110-54-3	Hexane	2.50	8.81	JD	10	5.64	17.6	11/20/25 16:54	VL112025
107-05-1	Allyl Chloride	1.10	3.44	UD	10	3.44	15.7	11/20/25 16:54	VL112025
123-91-1	1,4-Dioxane	2.20	7.93	UD	10	7.93	18.0	11/20/25 16:54	VL112025
80-62-6	Methyl Methacrylate	1.40	5.73	UD	10	5.73	20.5	11/20/25 16:54	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.70				70 (65) - 130 (135)	97% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	102000							
540-36-3	1,4-Difluorobenzene	271000							
3114-55-4	Chlorobenzene-d5	205000							

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\VL112025\
Data File : VL043268.D
Acq On : 20 Nov 2025 16:54
Operator : SY/MD
Sample : Q3655-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	101802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	271004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	205327	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	146175	9.712	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.100%			
Target Compounds						Qvalue
4) Chloromethane	1.531	50	943	0.176	ppbv	91
9) Propene	1.483	41	901	0.150	ppbv #	1
13) Ethanol	1.719	45	2891	1.371	ppbv #	38
15) Acetone	1.832	43	68558	4.847	ppbv	98
19) Isopropyl Alcohol	1.884	45	10003	1.252	ppbv #	1
20) Methylene Chloride	2.059	84	4589	0.343	ppbv #	88
26) Hexane	2.823	57	3399	0.254	ppbv #	42
34) 2-Butanone	2.557	43	4785	0.250	ppbv	100
38) Trichloroethene	4.528	130	959m	0.094	ppbv	
52) Tetrachloroethene	8.212	164	53043	5.494	ppbv	96

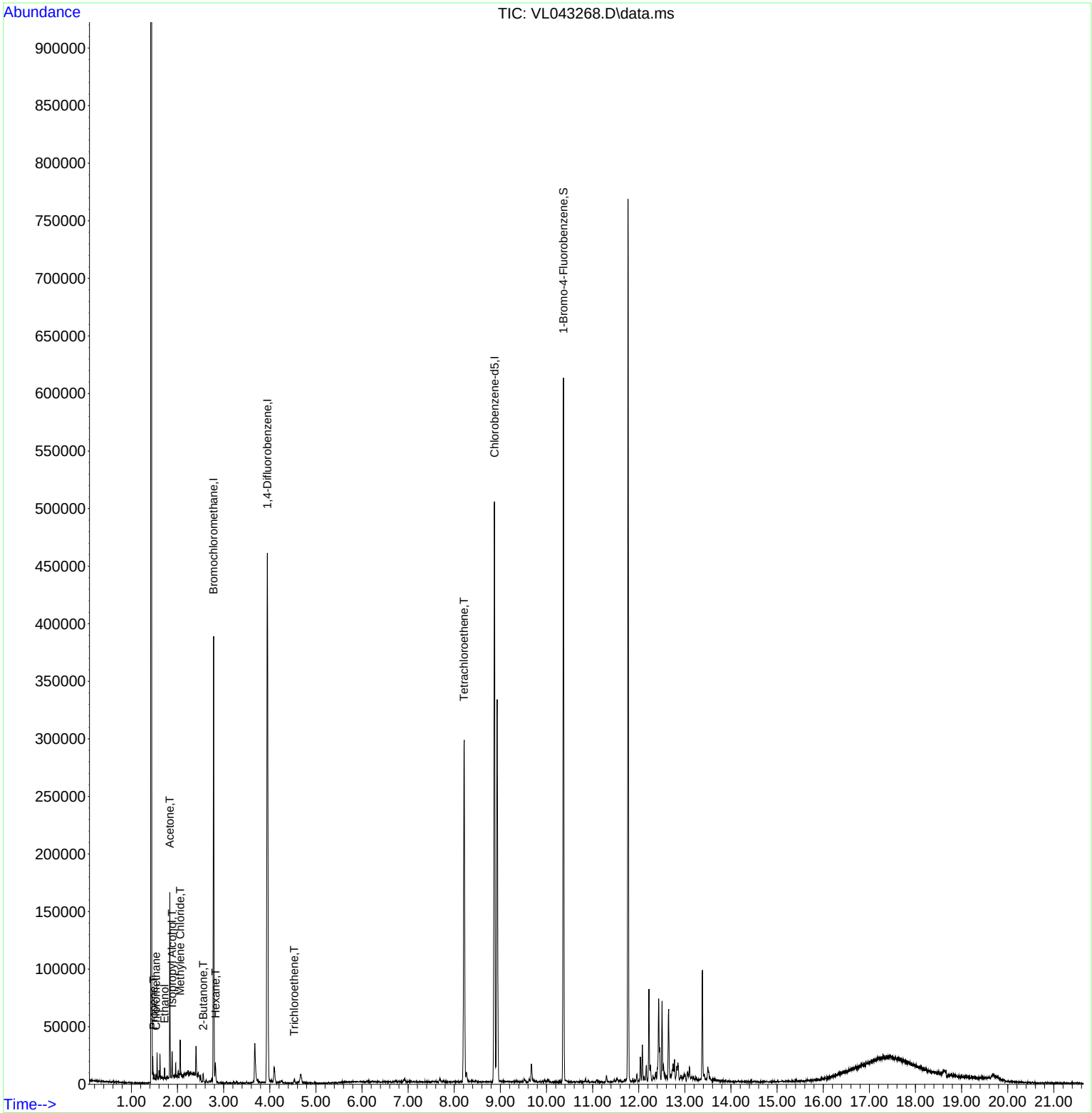
(#) = qualifier out of range (m) = manual integration (+) = signals summed

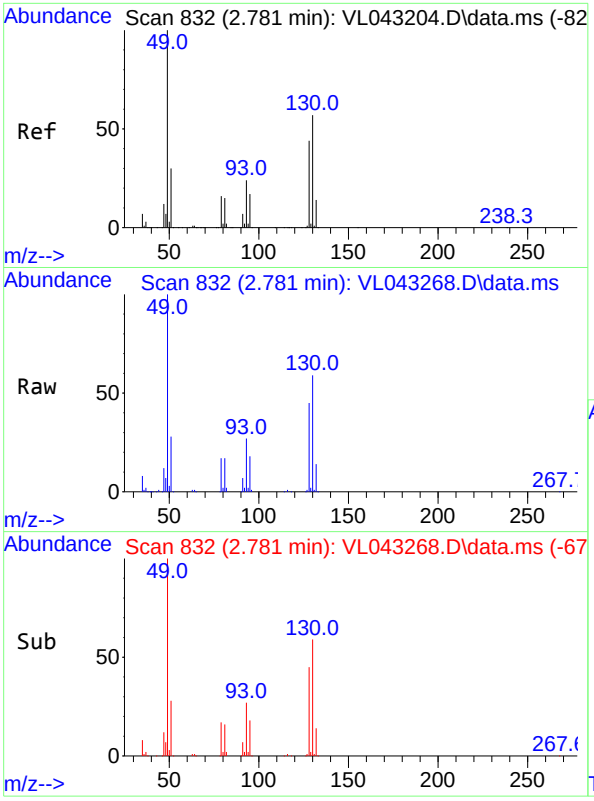
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043268.D
Acq On : 20 Nov 2025 16:54
Operator : SY/MD
Sample : Q3655-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

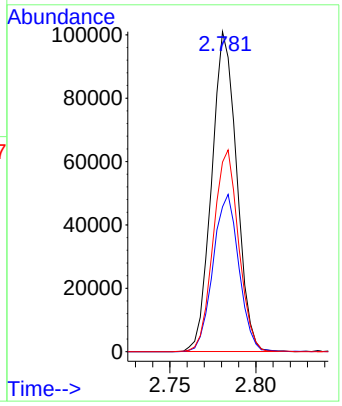




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 49 Resp: 10180

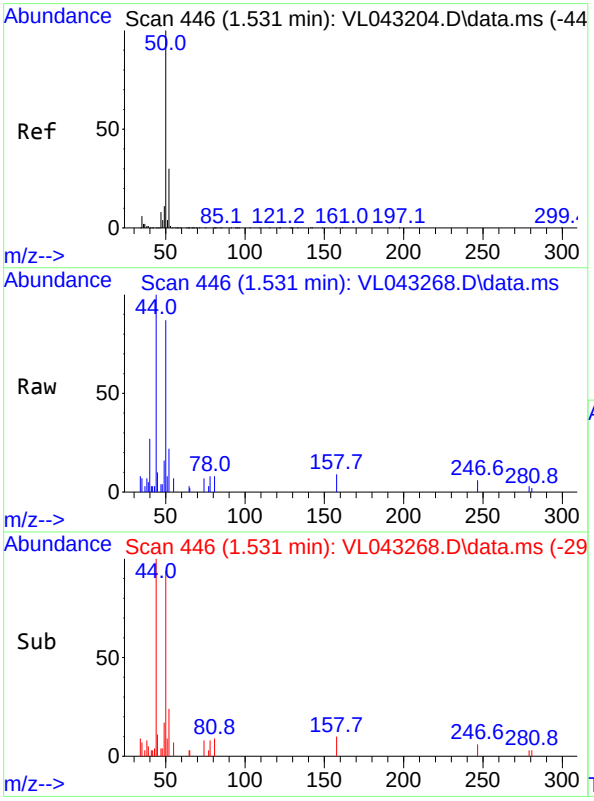
Ion	Ratio	Lower	Upper
49	100		
128	51.0	23.0	69.0
130	64.2	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations
APPROVED

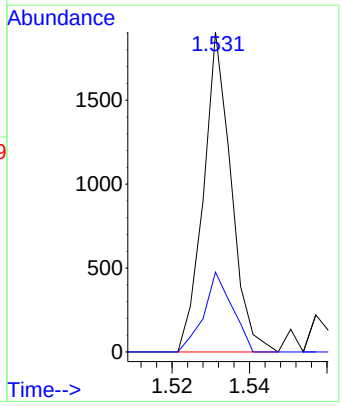
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

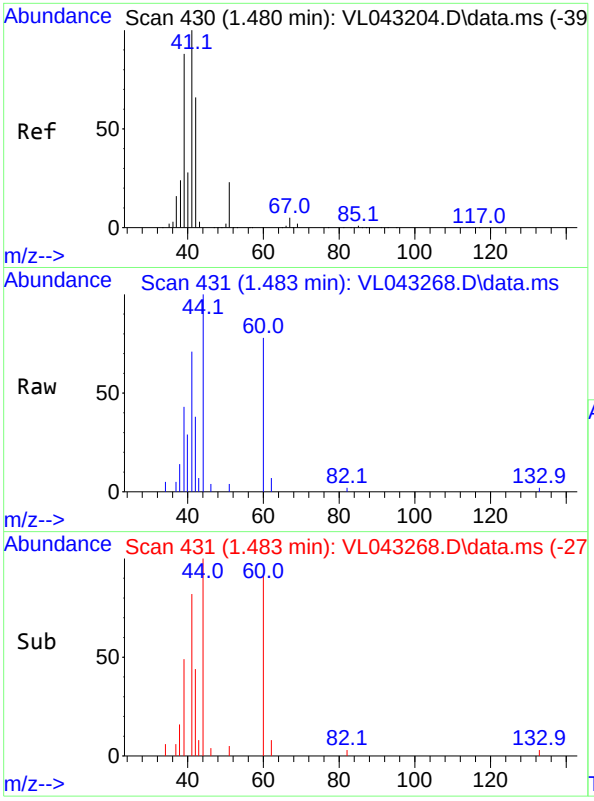


#4
Chloromethane
Concen: 0.176 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 50 Resp: 943

Ion	Ratio	Lower	Upper
50	100		
52	25.0	24.1	36.1

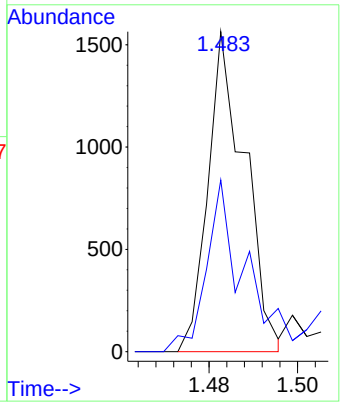




#9
Propene
Concen: 0.150 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 41 Resp: 90

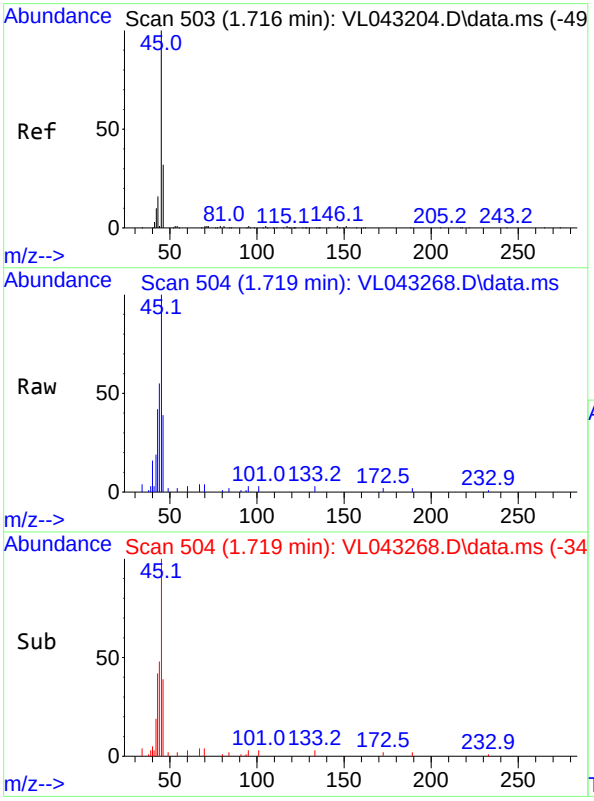
Ion	Ratio	Lower	Upper
41	100		
42	76.0	3.7	5.5#



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations
APPROVED

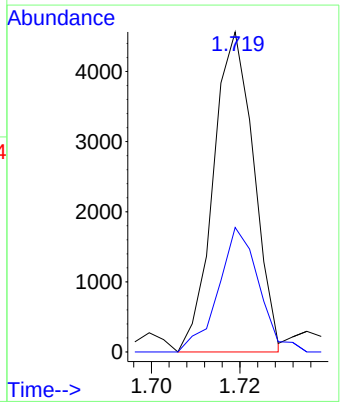
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

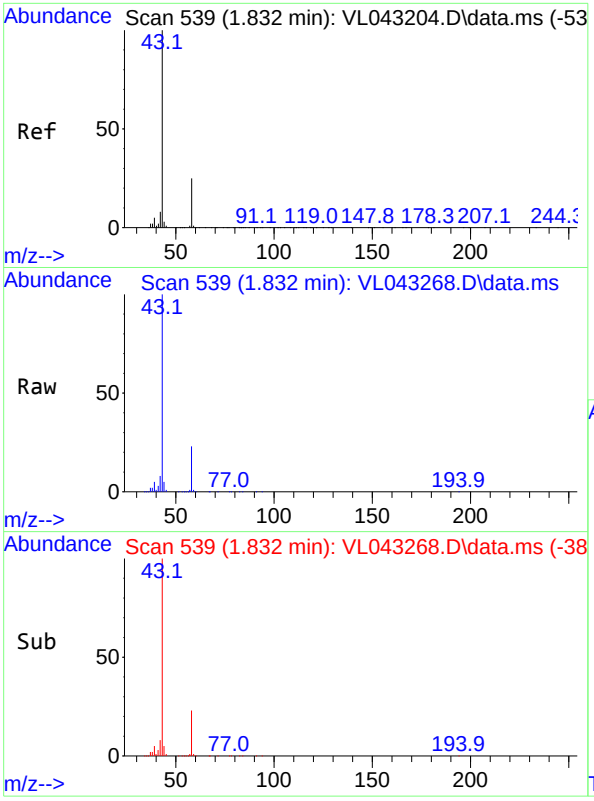


#13
Ethanol
Concen: 1.371 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 45 Resp: 2891

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#

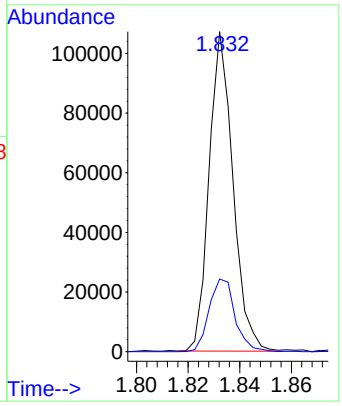




#15
Acetone
Concen: 4.847 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 43 Resp: 6855

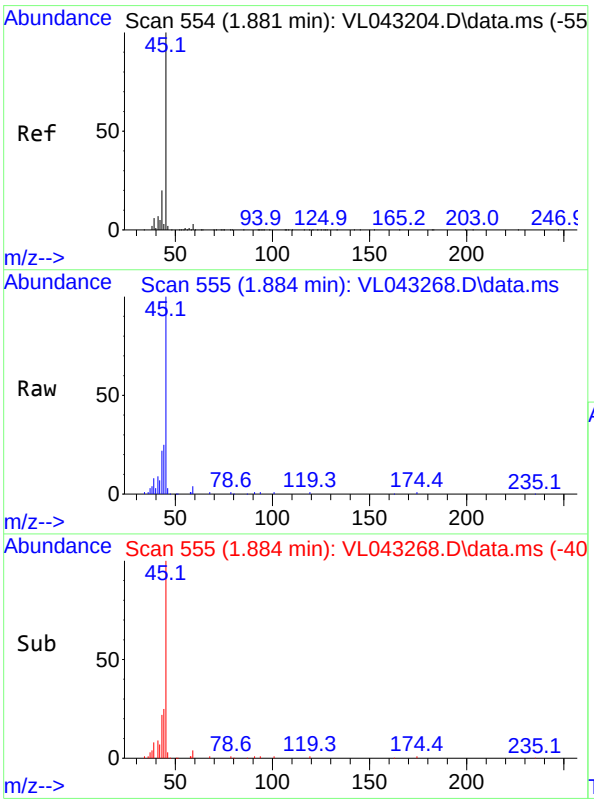
Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations
APPROVED

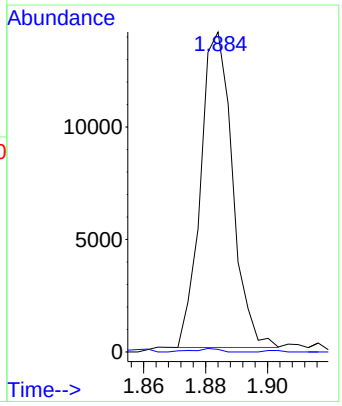
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

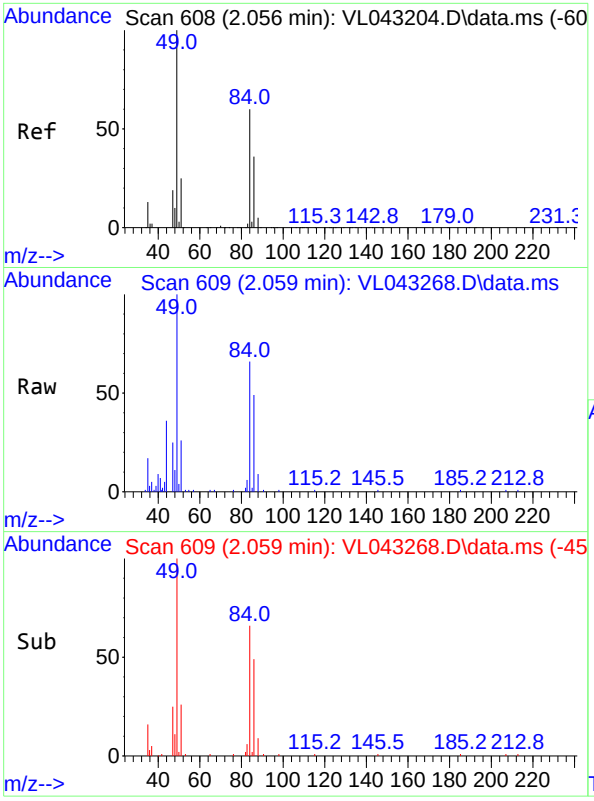


#19
Isopropyl Alcohol
Concen: 1.252 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 45 Resp: 10003

Ion	Ratio	Lower	Upper
45	100		
58	171.2	31.3	46.9#

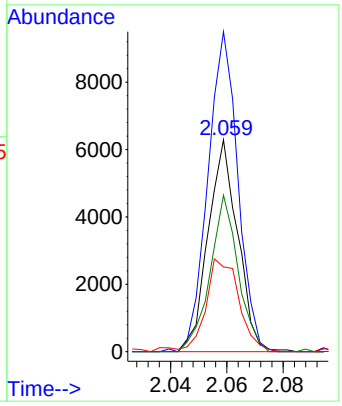




#20
Methylene Chloride
Concen: 0.343 ppbv
RT: 2.059 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 84 Resp: 458

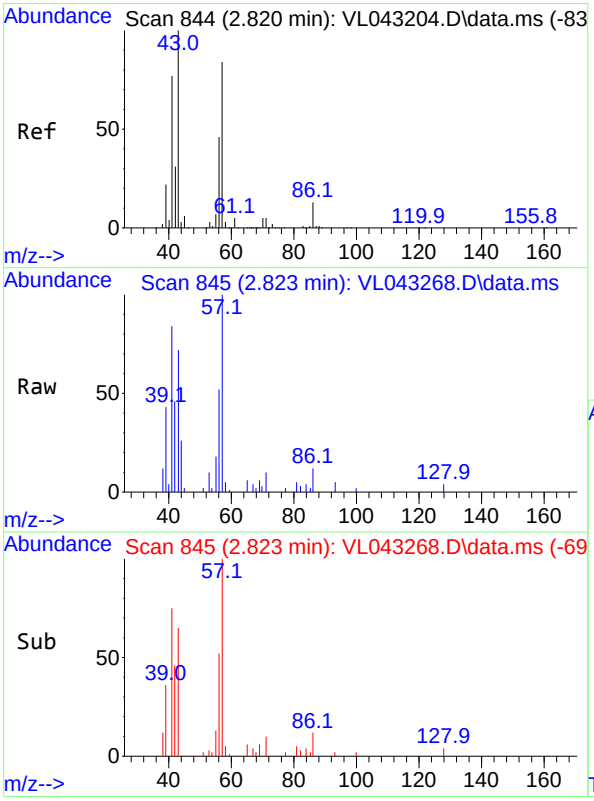
Ion	Ratio	Lower	Upper
84	100		
49	151.0	132.9	199.3
51	40.0	34.8	52.2
86	73.9	48.2	72.2#



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations
APPROVED

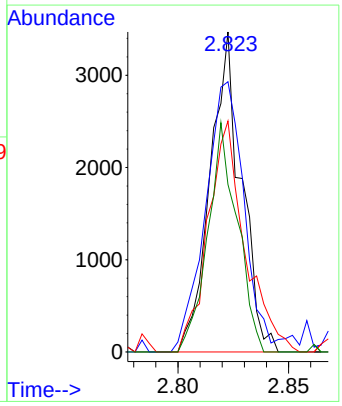
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

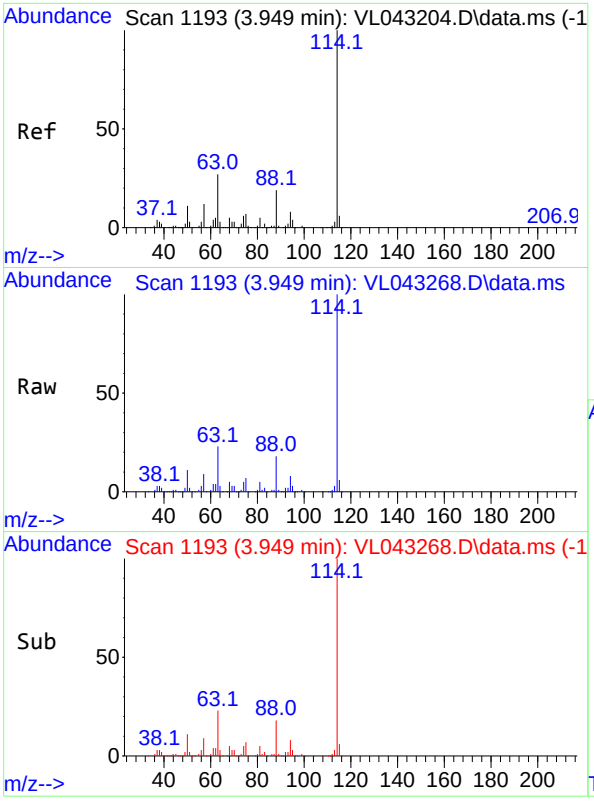


#26
Hexane
Concen: 0.254 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 57 Resp: 3399

Ion	Ratio	Lower	Upper
57	100		
41	110.1	74.6	111.8
43	88.4	179.0	268.4#
56	67.7	42.3	63.5#

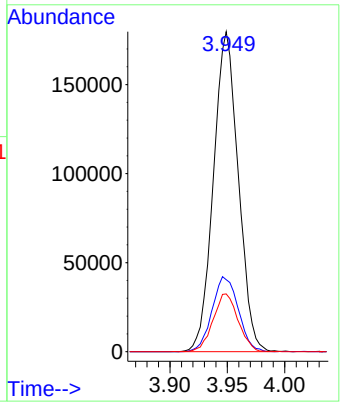




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion:114 Resp: 27100

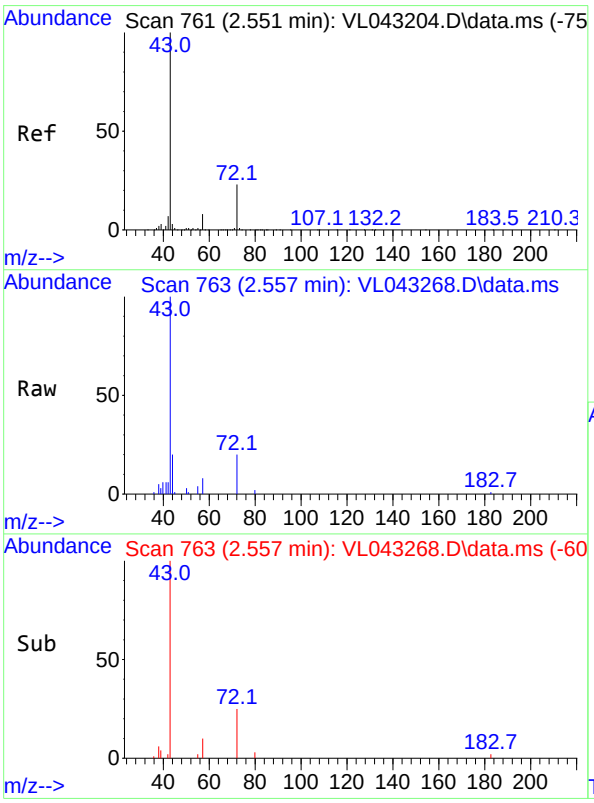
Ion	Ratio	Lower	Upper
114	100		
63	24.7	21.0	31.6
88	18.3	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations
APPROVED

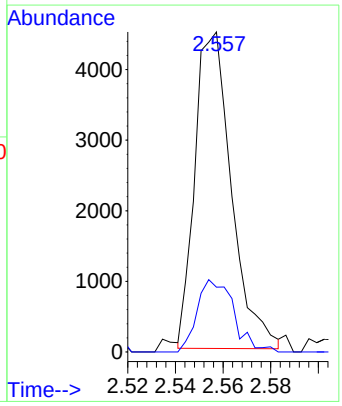
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

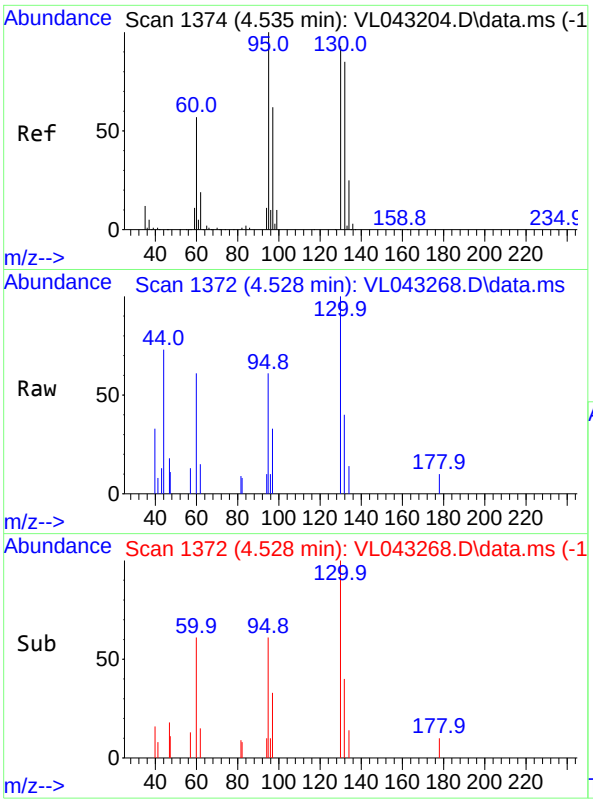


#34
2-Butanone
Concen: 0.250 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 43 Resp: 4785

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.1	27.1

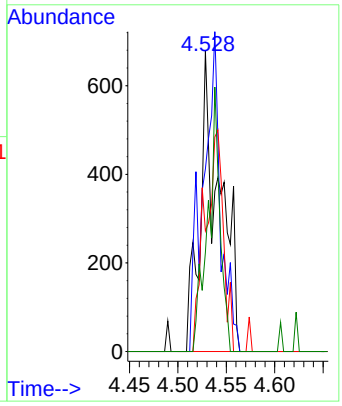




#38
Trichloroethene
Concen: 0.094 ppbv m
RT: 4.528 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion:130 Resp: 95

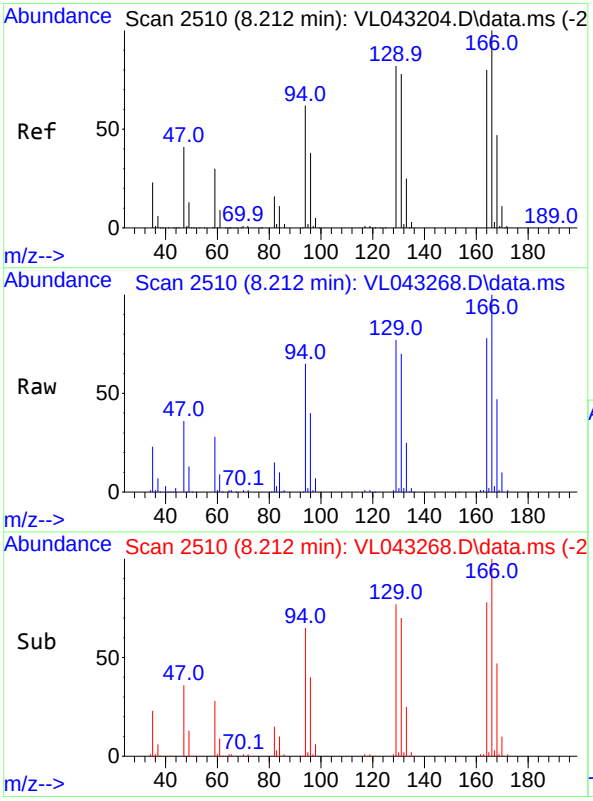
Ion	Ratio	Lower	Upper
130	100		
95	60.7	85.7	128.5#
132	40.1	73.4	110.0#
97	33.0	52.7	79.1#



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations
APPROVED

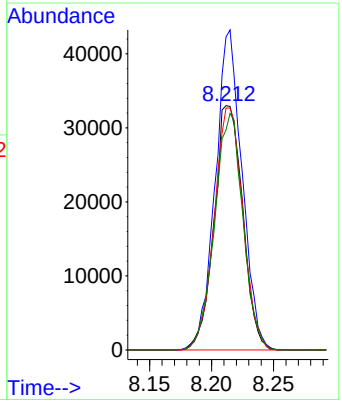
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

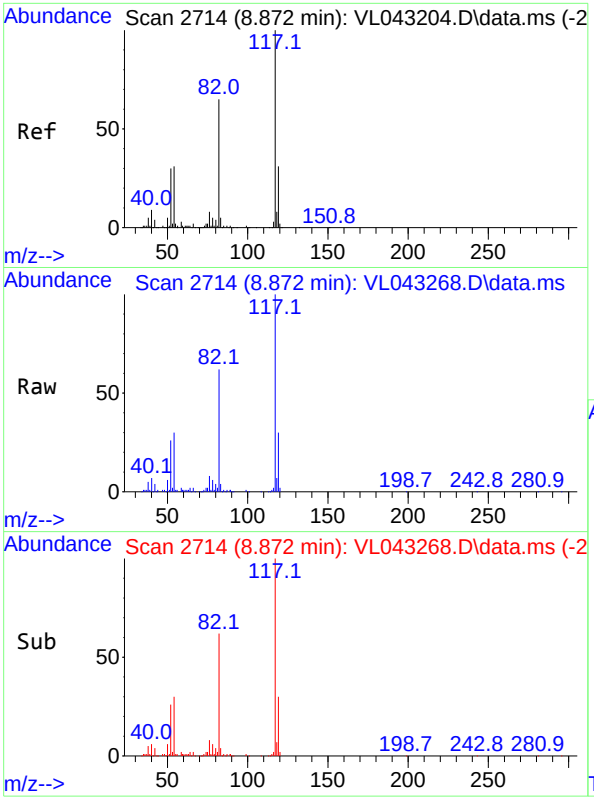


#52
Tetrachloroethene
Concen: 5.494 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion:164 Resp: 53043

Ion	Ratio	Lower	Upper
164	100		
166	128.2	99.4	149.2
129	99.0	81.8	122.8
131	90.1	77.4	116.2

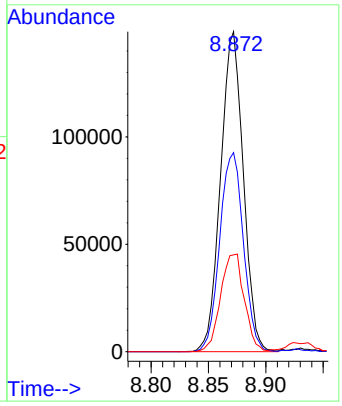




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion:117 Resp: 20532

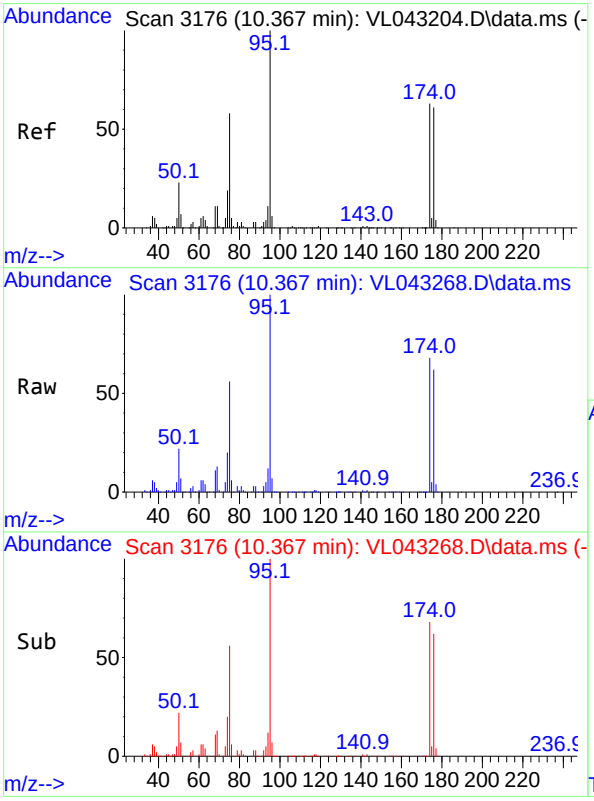
Ion	Ratio	Lower	Upper
117	100		
82	64.9	56.1	84.1
119	32.0	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Manual Integrations
APPROVED

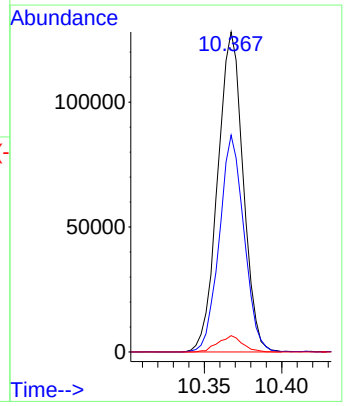
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 95 Resp: 146175

Ion	Ratio	Lower	Upper
95	100		
174	66.0	50.2	75.2
175	4.9	4.1	6.1



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-3	SDG No.:	Q3655
Lab Sample ID:	Q3655-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.53	2.62	J	2	1.09	4.94	11/20/25 13:58	VL112025
74-87-3	Chloromethane	0.69	1.42	J	2	0.41	2.07	11/20/25 13:58	VL112025
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/20/25 13:58	VL112025
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/20/25 13:58	VL112025
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/20/25 13:58	VL112025
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/20/25 13:58	VL112025
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/20/25 13:58	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/20/25 13:58	VL112025
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/20/25 13:58	VL112025
75-65-0	tert-Butyl alcohol	0.32	0.97	U	2	0.97	3.03	11/20/25 13:58	VL112025
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/20/25 13:58	VL112025
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/20/25 13:58	VL112025
67-64-1	Acetone	3.10	7.36		2	0.86	2.38	11/20/25 13:58	VL112025
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/20/25 13:58	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/20/25 13:58	VL112025
75-09-2	Methylene Chloride	1.80	6.25		2	1.60	3.47	11/20/25 13:58	VL112025
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/20/25 13:58	VL112025
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/20/25 13:58	VL112025
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/20/25 13:58	VL112025
78-93-3	2-Butanone	0.98	2.89	J	2	0.32	2.95	11/20/25 13:58	VL112025
56-23-5	Carbon Tetrachloride	0.080	0.50		2	0.31	0.38	11/20/25 13:58	VL112025
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/20/25 13:58	VL112025
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/20/25 13:58	VL112025
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/20/25 13:58	VL112025
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/20/25 13:58	VL112025
71-43-2	Benzene	0.16	0.51	U	2	0.51	3.19	11/20/25 13:58	VL112025
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/20/25 13:58	VL112025
79-01-6	Trichloroethene	0.13	0.70		2	0.27	0.32	11/20/25 13:58	VL112025
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/20/25 13:58	VL112025
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/20/25 13:58	VL112025
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/20/25 13:58	VL112025
108-88-3	Toluene	0.53	2.00	J	2	1.21	3.77	11/20/25 13:58	VL112025
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/20/25 13:58	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/20/25 13:58	VL112025
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/20/25 13:58	VL112025
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/20/25 13:58	VL112025
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/20/25 13:58	VL112025
127-18-4	Tetrachloroethene	85.4	579	E	2	0.20	0.41	11/20/25 13:58	VL112025
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/20/25 13:58	VL112025
100-41-4	Ethyl Benzene	0.38	1.65	U	2	1.65	4.34	11/20/25 13:58	VL112025
179601-23-1	m/p-Xylene	0.82	3.56	U	2	3.56	8.69	11/20/25 13:58	VL112025
95-47-6	o-Xylene	0.42	1.82	U	2	1.82	4.34	11/20/25 13:58	VL112025
100-42-5	Styrene	0.32	1.36	U	2	1.36	4.26	11/20/25 13:58	VL112025
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/20/25 13:58	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/20/25 13:58	VL112025
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/20/25 13:58	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-3	SDG No.:	Q3655
Lab Sample ID:	Q3655-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 13:58	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 13:58	VL112025
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01	11/20/25 13:58	VL112025
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 13:58	VL112025
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 13:58	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42	11/20/25 13:58	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7	11/20/25 13:58	VL112025
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21	11/20/25 13:58	VL112025
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05	11/20/25 13:58	VL112025
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92	11/20/25 13:58	VL112025
110-54-3	Hexane	0.85	3.00	J	2	1.13	3.52	11/20/25 13:58	VL112025
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13	11/20/25 13:58	VL112025
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60	11/20/25 13:58	VL112025
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09	11/20/25 13:58	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.90				70 (65) - 130 (135)	99% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	106000							
540-36-3	1,4-Difluorobenzene	278000							
3114-55-4	Chlorobenzene-d5	214000							

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\VL112025\
Data File : VL043263.D
Acq On : 20 Nov 2025 13:58
Operator : SY/MD
Sample : Q3655-03 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	106133	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	277609	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	213831	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	155552	9.924	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3994	0.267	ppbv		97
3) Chlorodifluoromethane	1.476	51	1654m	0.112	ppbv		
4) Chloromethane	1.535	50	1928	0.344	ppbv		99
9) Propene	1.486	41	1264	0.202	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	2061m	0.142	ppbv		
13) Ethanol	1.722	45	3804	1.730	ppbv	#	38
15) Acetone	1.839	43	22901m	1.553	ppbv		
19) Isopropyl Alcohol	1.884	45	2937	0.352	ppbv	#	1
20) Methylene Chloride	2.062	84	7004	0.898	ppbv		93
26) Hexane	2.829	57	5946	0.426	ppbv	#	46
34) 2-Butanone	2.561	43	9638	0.492	ppbv		93
35) Carbon Tetrachloride	3.761	117	856m	0.041	ppbv		
38) Trichloroethene	4.545	130	697m	0.067	ppbv		
52) Tetrachloroethene	8.222	164	422485	42.721	ppbv		98
53) Toluene	6.927	91	8269m	0.263	ppbv		
59) m/p-Xylene	9.523	91	4712m	0.143	ppbv		

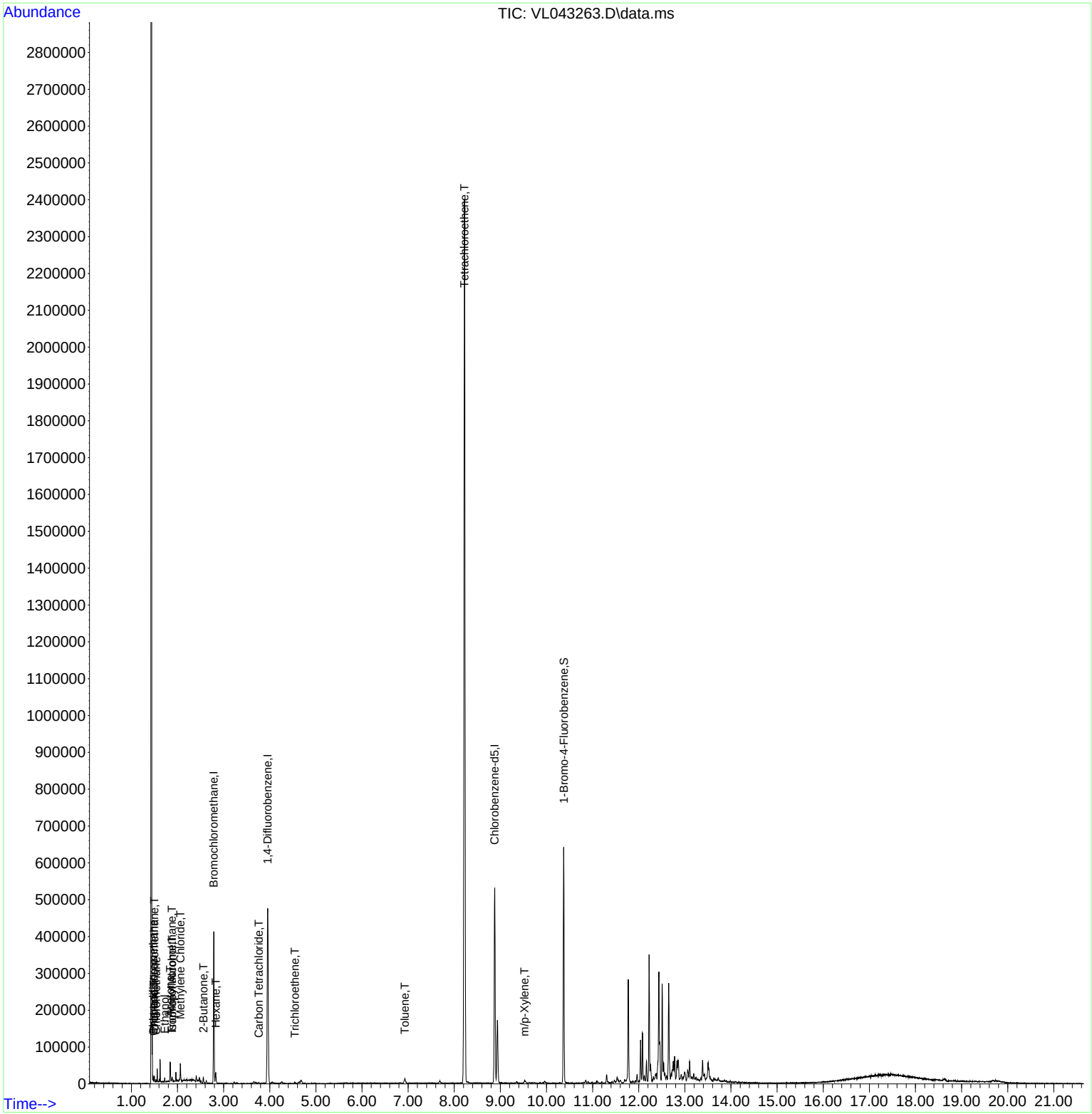
(#) = qualifier out of range (m) = manual integration (+) = signals summed

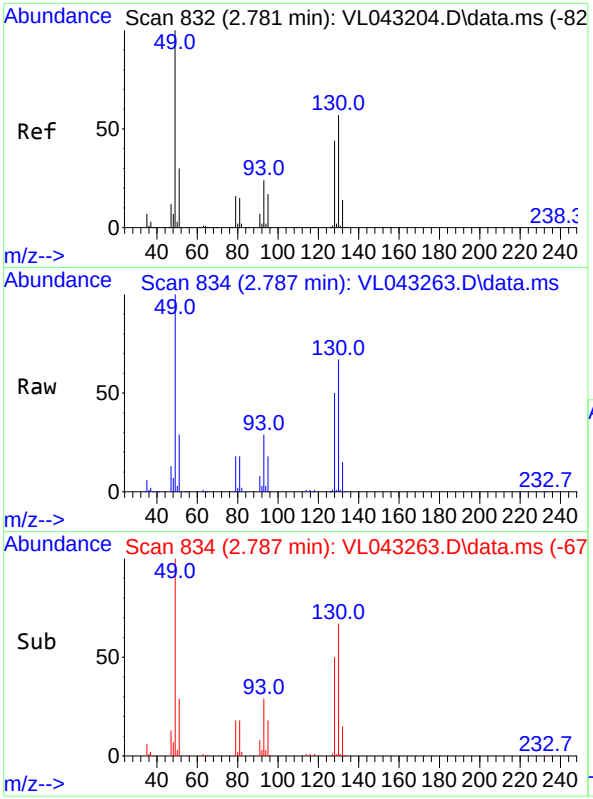
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043263.D
Acq On : 20 Nov 2025 13:58
Operator : SY/MD
Sample : Q3655-03 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
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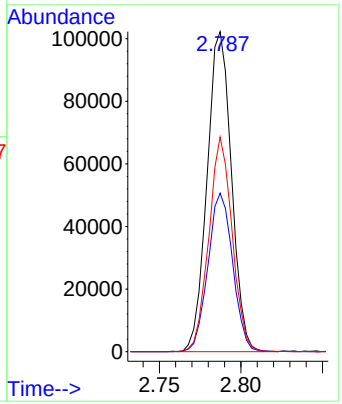




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 49 Resp: 10613

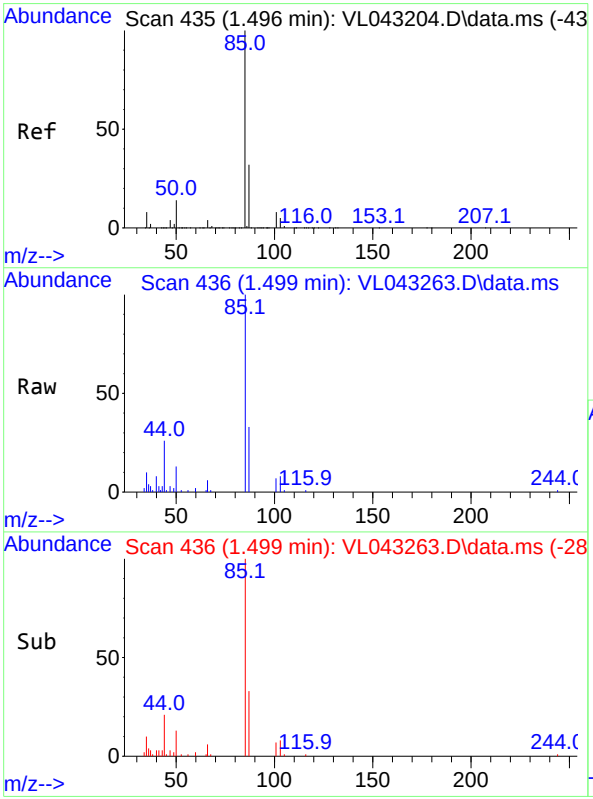
Ion	Ratio	Lower	Upper
49	100		
128	50.3	23.0	69.0
130	64.4	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

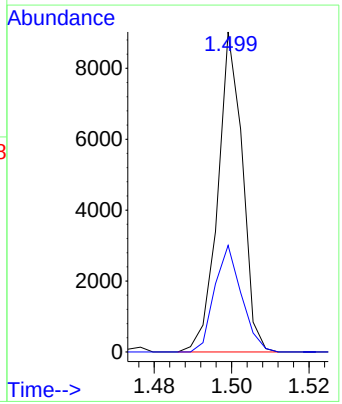
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

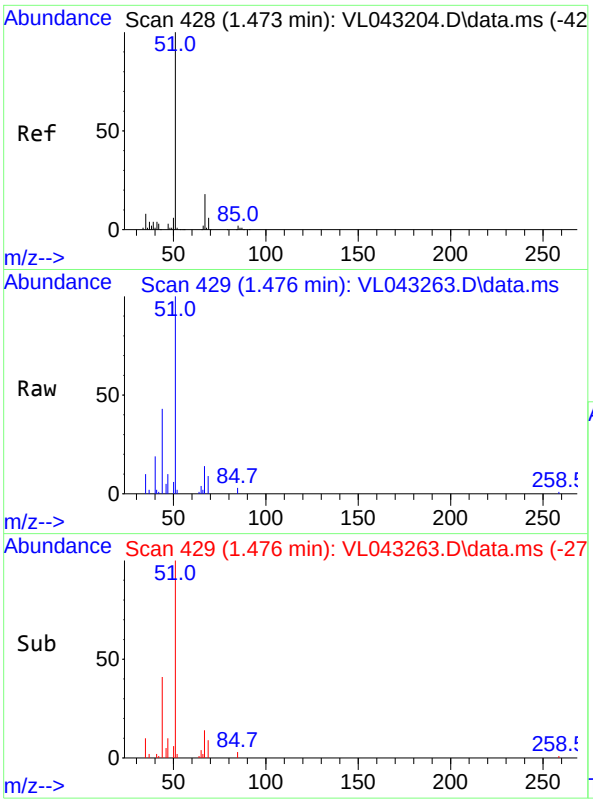


#2
Dichlorodifluoromethane
Concen: 0.267 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 85 Resp: 3994

Ion	Ratio	Lower	Upper
85	100		
87	33.3	25.4	38.2

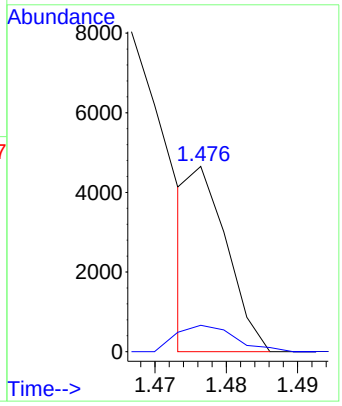




#3
Chlorodifluoromethane
Concen: 0.112 ppbv m
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 51 Resp: 165

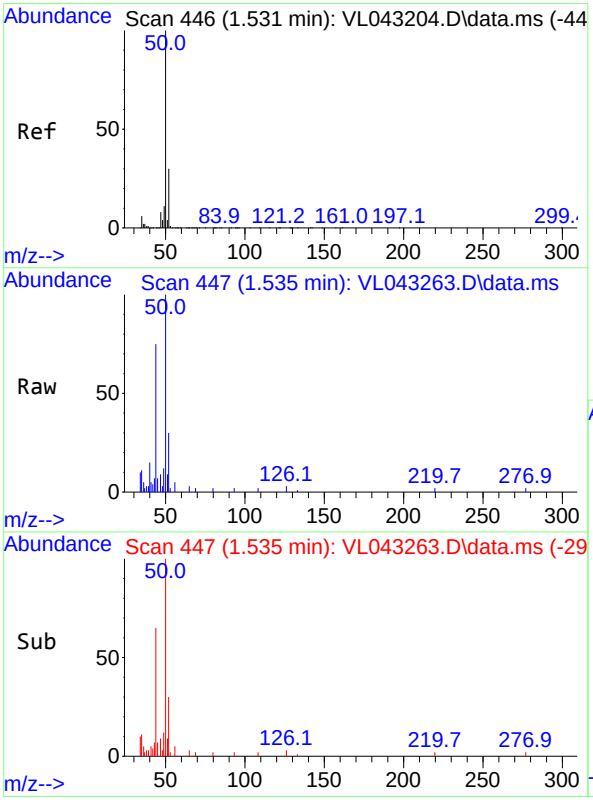
Ion	Ratio	Lower	Upper
51	100		
67	25.1	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

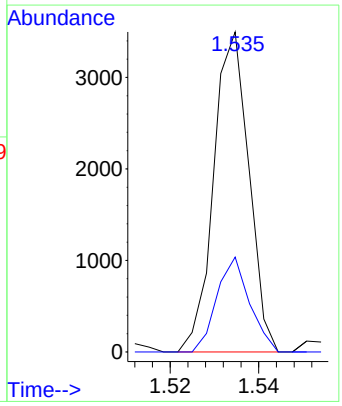
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

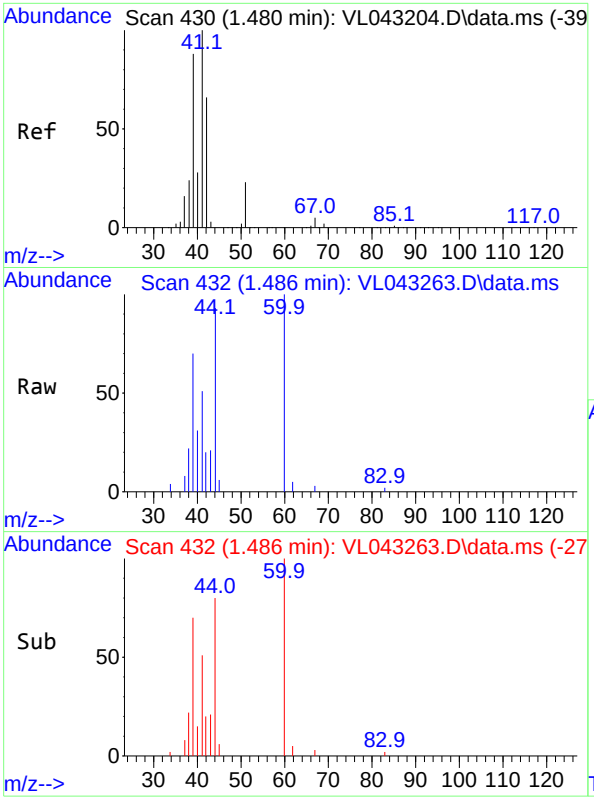


#4
Chloromethane
Concen: 0.344 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 50 Resp: 1928

Ion	Ratio	Lower	Upper
50	100		
52	29.7	24.1	36.1

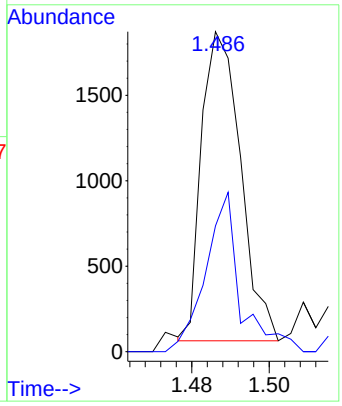




#9
Propene
Concen: 0.202 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 41 Resp: 126

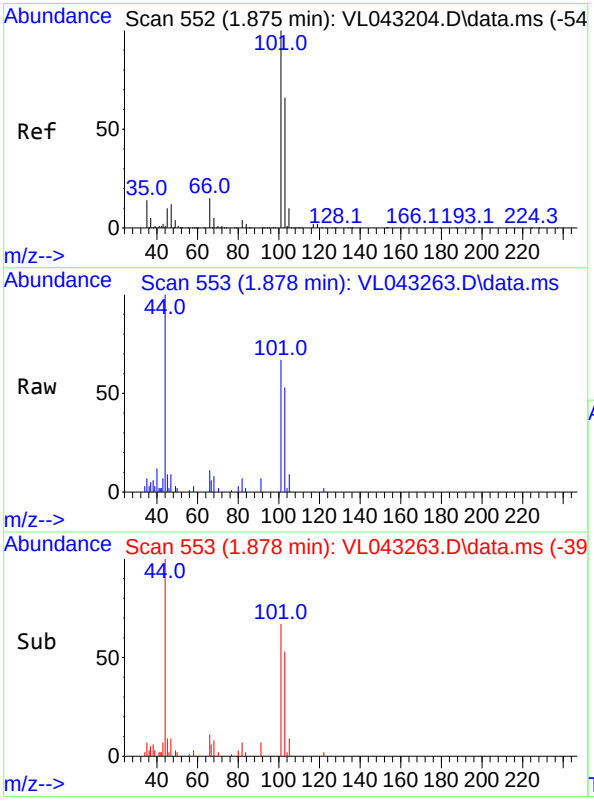
Ion	Ratio	Lower	Upper
41	100		
42	50.0	3.7	5.5#



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

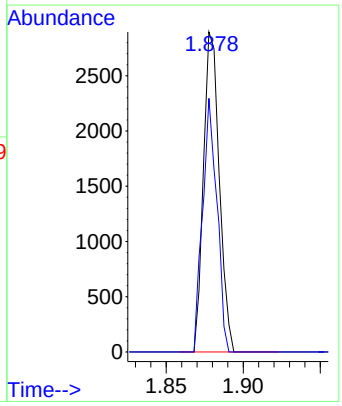
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

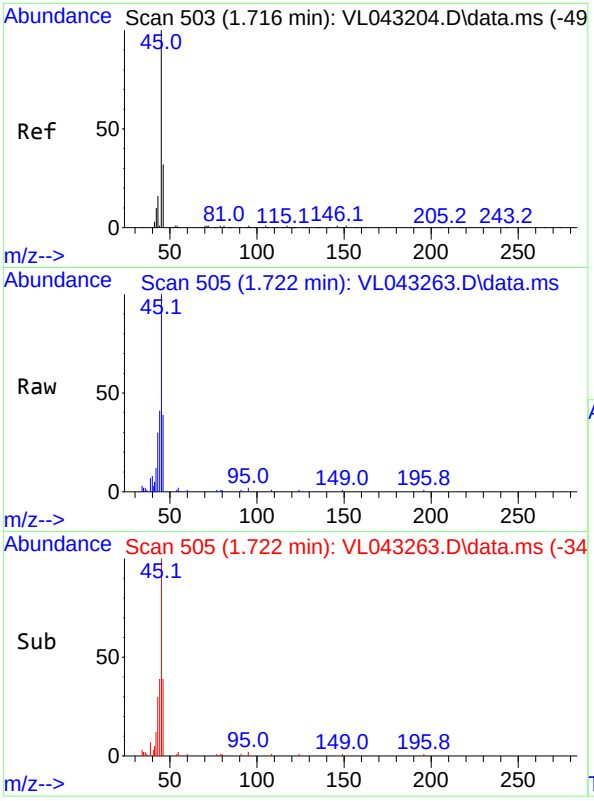


#11
Trichlorofluoromethane
Concen: 0.142 ppbv m
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:101 Resp: 2061

Ion	Ratio	Lower	Upper
101	100		
103	79.3	52.6	79.0#

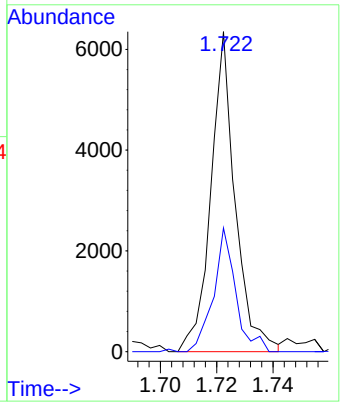




#13
Ethanol
Concen: 1.730 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 45 Resp: 380

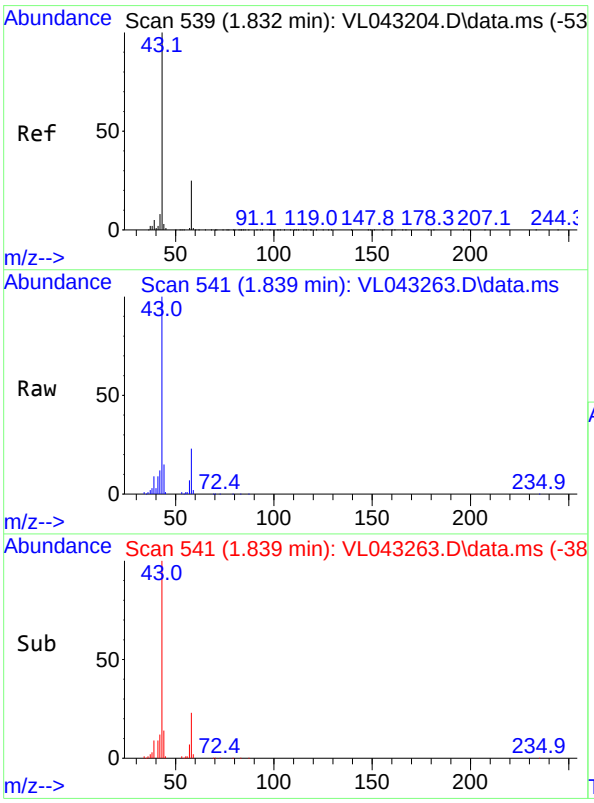
Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

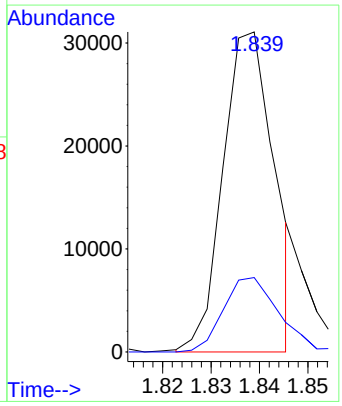
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

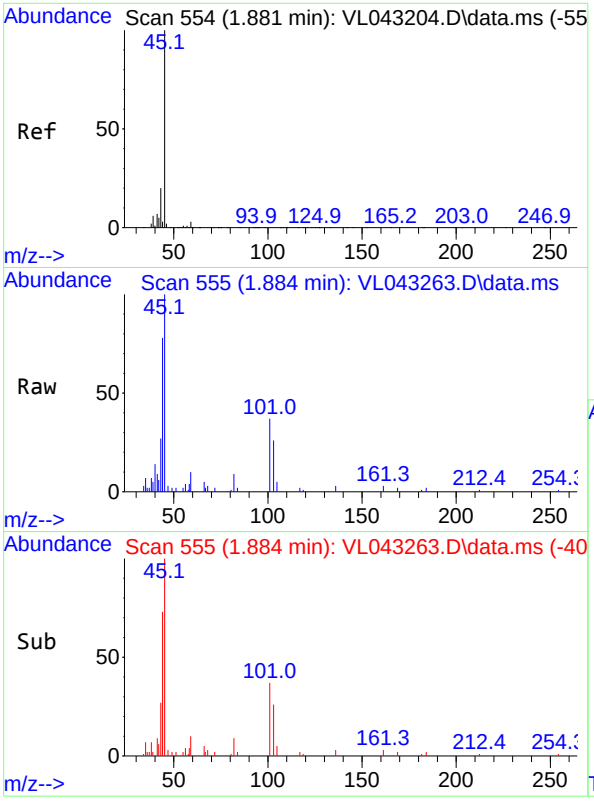


#15
Acetone
Concen: 1.553 ppbv m
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 43 Resp: 22901

Ion	Ratio	Lower	Upper
43	100		
58	25.7	20.7	31.1

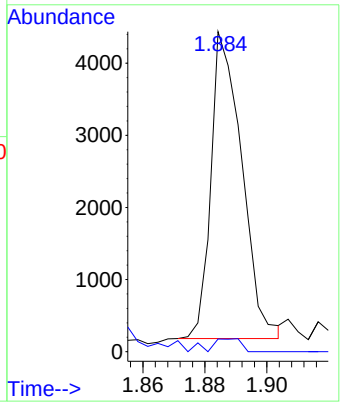




#19
Isopropyl Alcohol
Concen: 0.352 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 45 Resp: 293

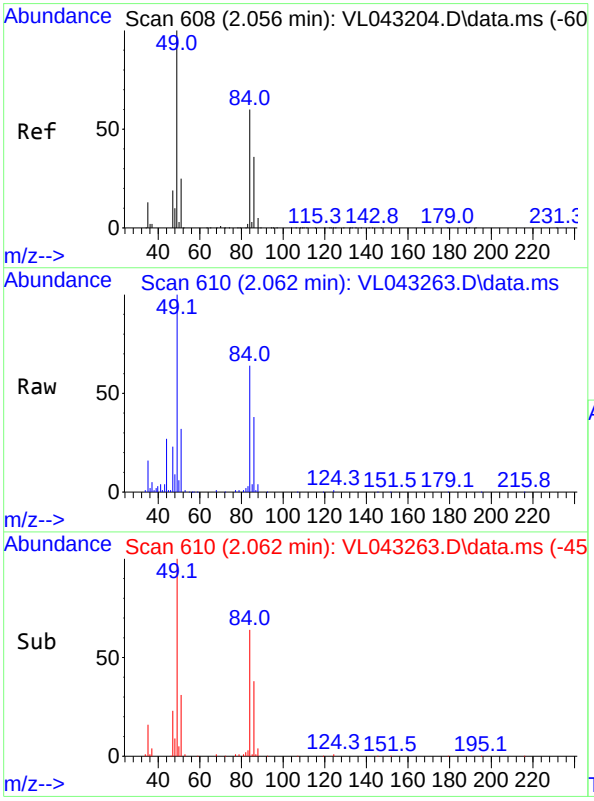
Ion	Ratio	Lower	Upper
45	100		
58	200.1	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

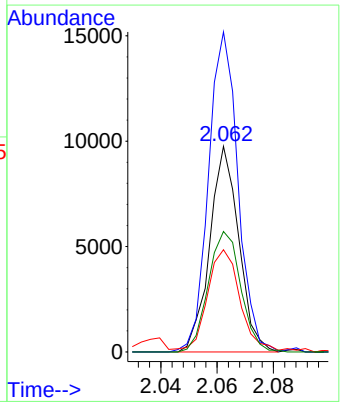
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

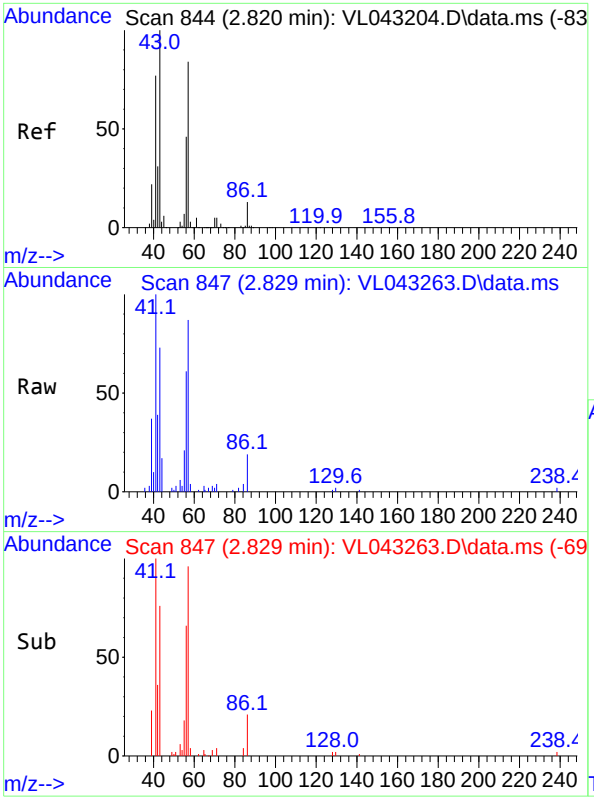


#20
Methylene Chloride
Concen: 0.898 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 84 Resp: 7004

Ion	Ratio	Lower	Upper
84	100		
49	155.1	132.9	199.3
51	48.8	34.8	52.2
86	58.6	48.2	72.2

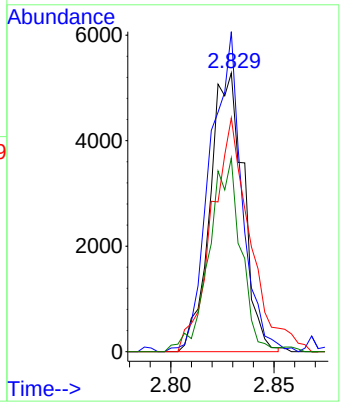




#26
Hexane
Concen: 0.426 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 57 Resp: 594

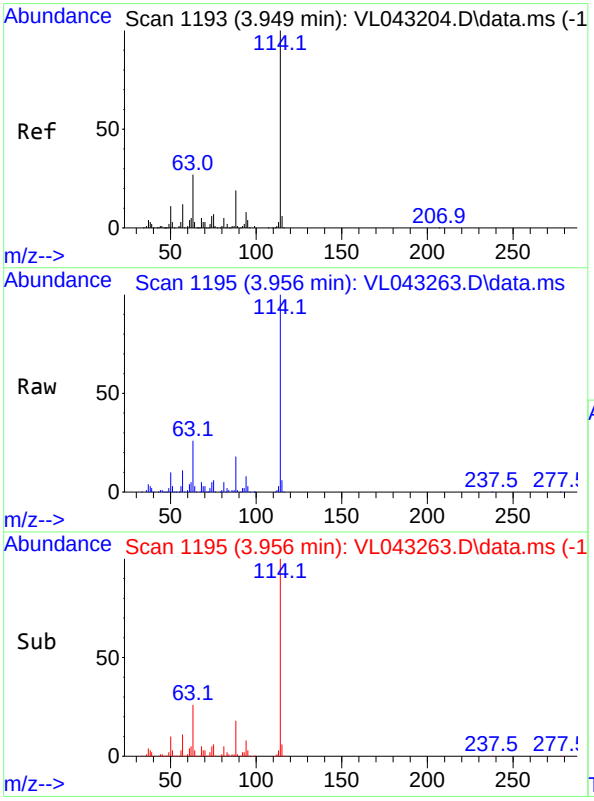
Ion	Ratio	Lower	Upper
57	100		
41	110.5	74.6	111.8
43	98.4	179.0	268.4#
56	66.6	42.3	63.5#



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

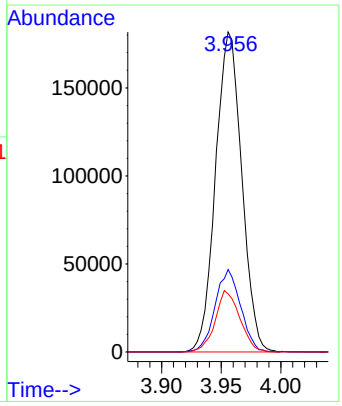
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

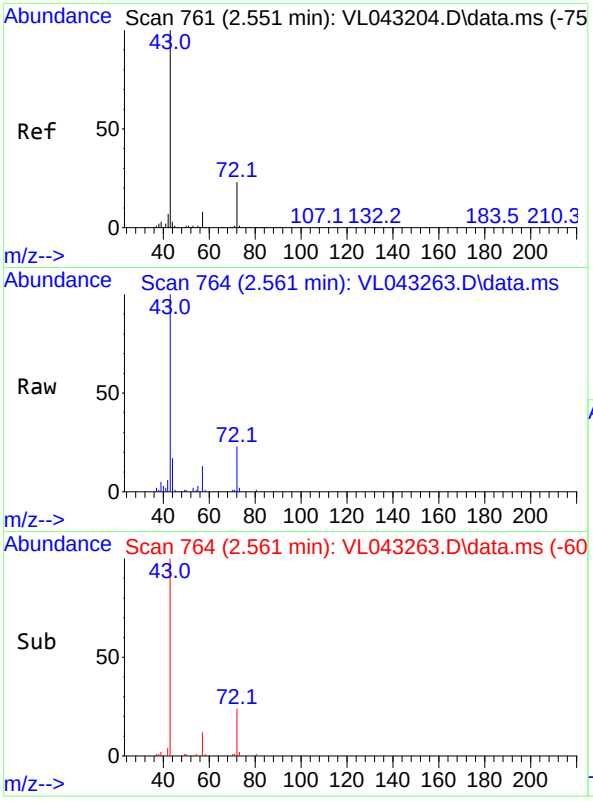


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:114 Resp: 277609

Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.0	31.6
88	18.1	14.9	22.3

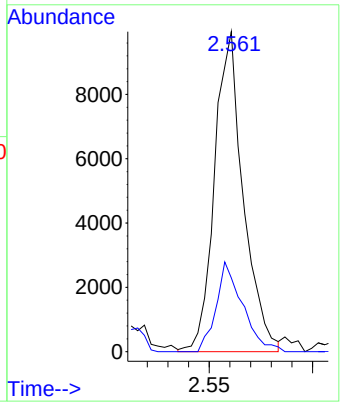




#34
2-Butanone
Concen: 0.492 ppbv
RT: 2.561 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 43 Resp: 963

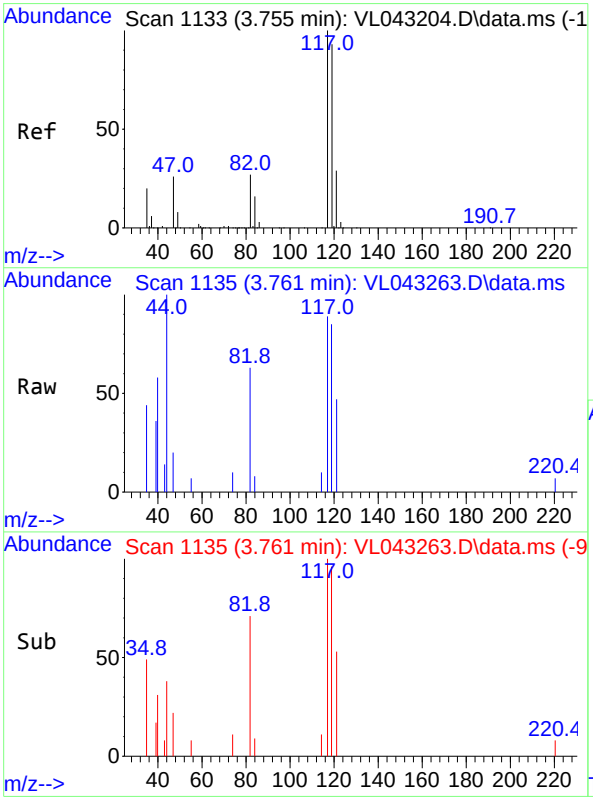
Ion	Ratio	Lower	Upper
43	100		
72	25.8	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

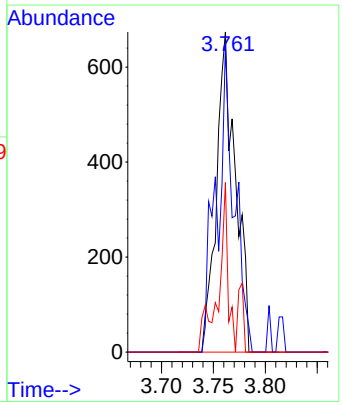
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

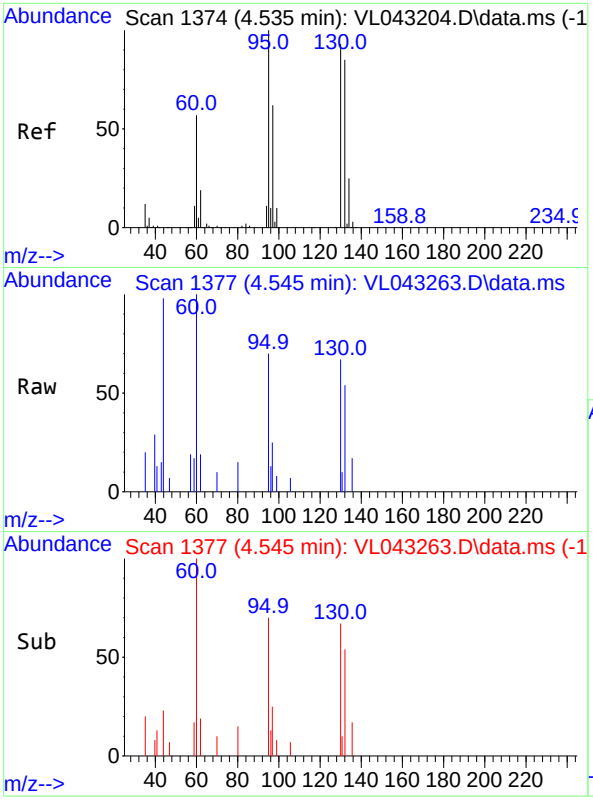


#35
Carbon Tetrachloride
Concen: 0.041 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:117 Resp: 856

Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.6	112.0
121	53.0	23.2	34.8#

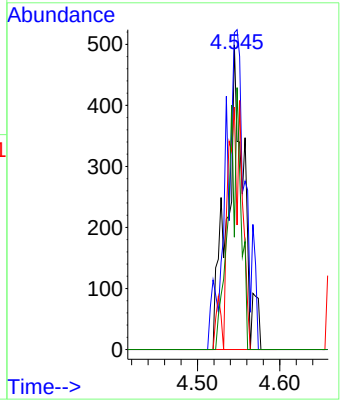




#38
Trichloroethene
Concen: 0.067 ppbv m
RT: 4.545 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:130 Resp: 69

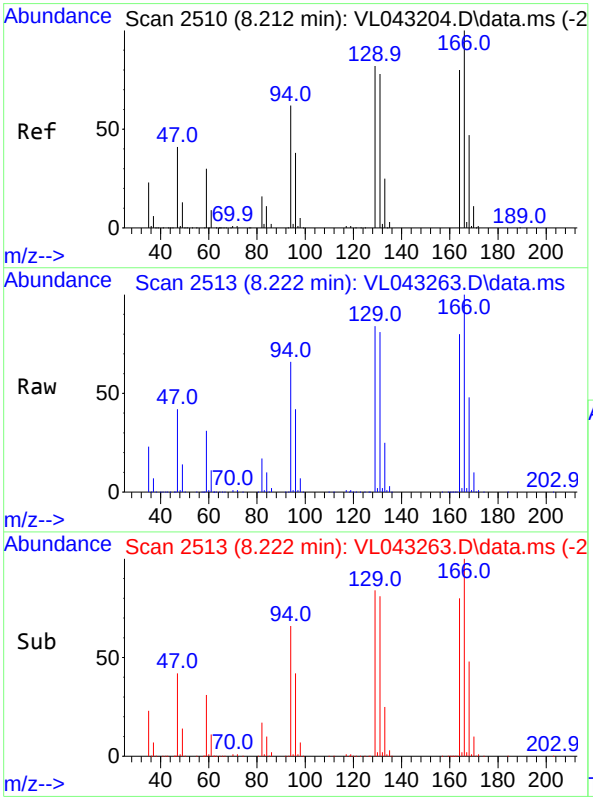
Ion	Ratio	Lower	Upper
130	100		
95	104.0	85.7	128.5
132	79.6	73.4	110.0
97	36.9	52.7	79.1#



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

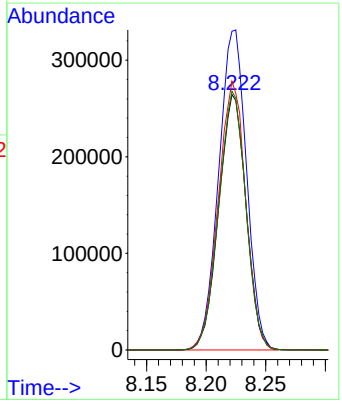
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

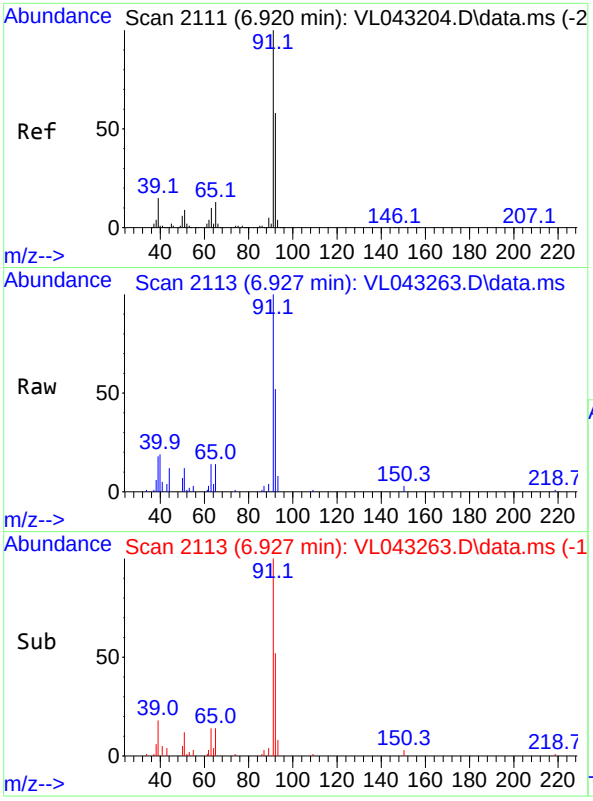


#52
Tetrachloroethene
Concen: 42.721 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:164 Resp: 422485

Ion	Ratio	Lower	Upper
164	100		
166	124.8	99.4	149.2
129	105.2	81.8	122.8
131	101.3	77.4	116.2

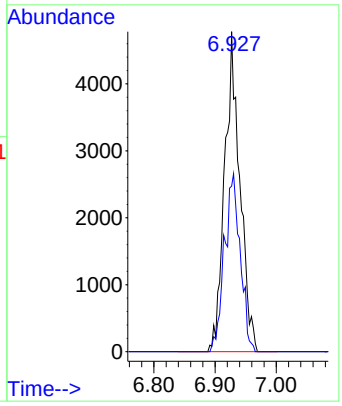




#53
Toluene
Concen: 0.263 ppbv m
RT: 6.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 91 Resp: 826

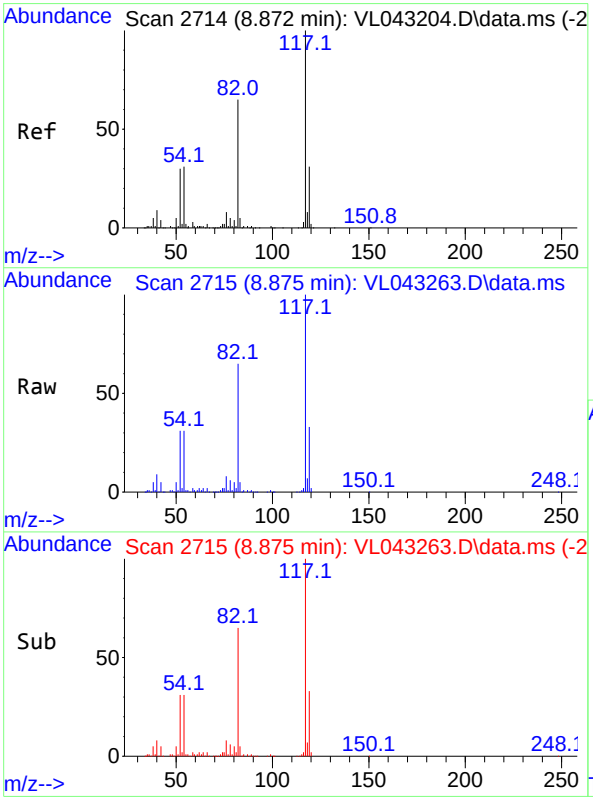
Ion	Ratio	Lower	Upper
91	100		
92	57.2	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

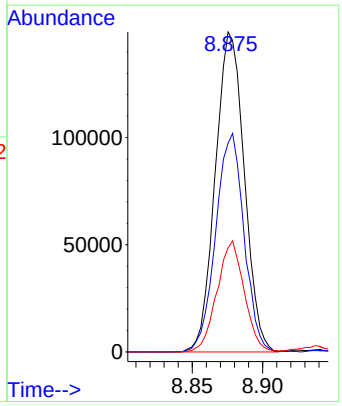
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

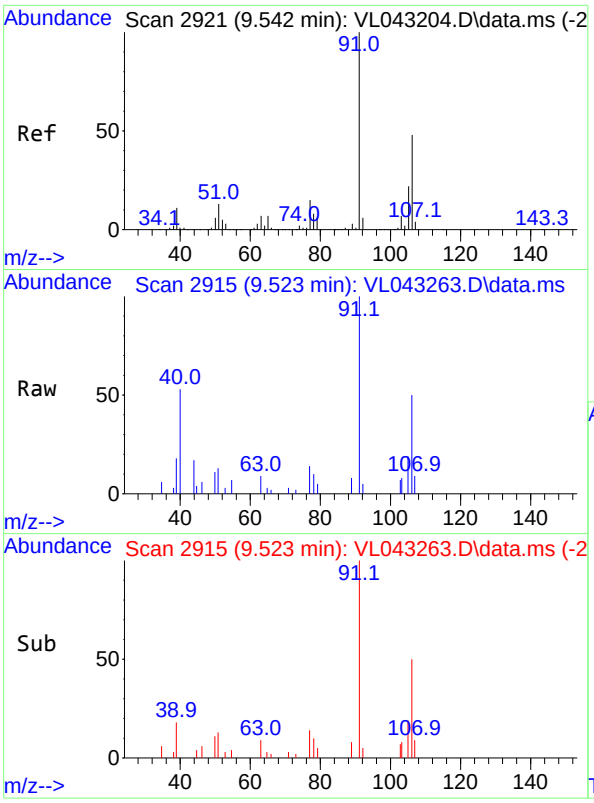


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:117 Resp: 213831

Ion	Ratio	Lower	Upper
117	100		
82	66.9	56.1	84.1
119	32.7	25.0	37.6

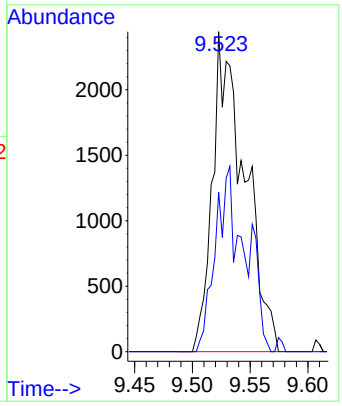




#59
m/p-Xylene
Concen: 0.143 ppbv m
RT: 9.523 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 91 Resp: 471

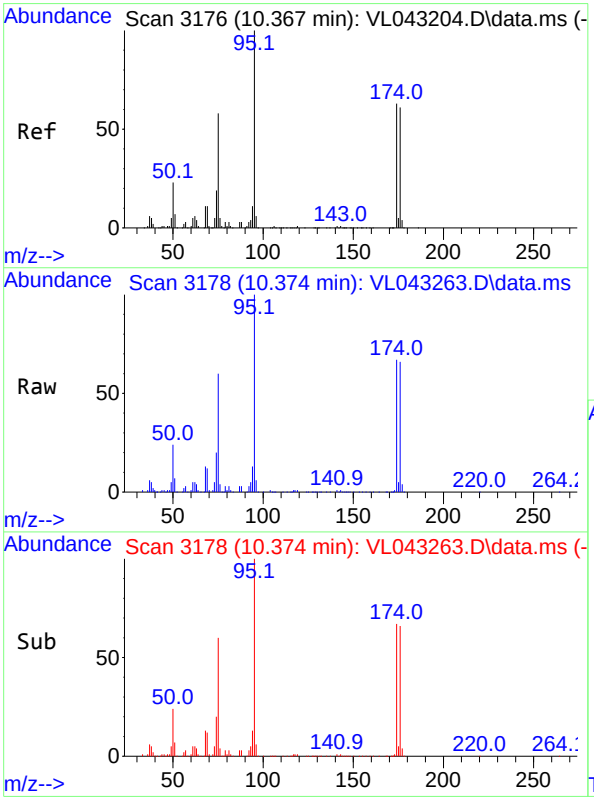
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#



Instrument :
MSVOA_L
ClientSampleId :
SG-3

Manual Integrations
APPROVED

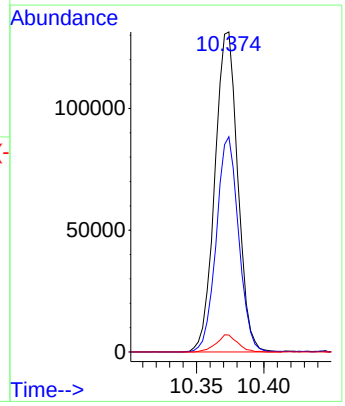
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.924 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 95 Resp: 155552

Ion	Ratio	Lower	Upper
95	100		
174	65.7	50.2	75.2
175	5.0	4.1	6.1



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-3DL	SDG No.:	Q3655
Lab Sample ID:	Q3655-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	5.44	UD	10	5.44	24.7	11/20/25 17:27	VL112025
74-87-3	Chloromethane	0.98	2.02	UD	10	2.02	10.3	11/20/25 17:27	VL112025
75-01-4	Vinyl Chloride	0.25	0.64	UD	10	0.64	0.77	11/20/25 17:27	VL112025
74-83-9	Bromomethane	0.77	2.99	UD	10	2.99	19.4	11/20/25 17:27	VL112025
75-00-3	Chloroethane	1.50	3.96	UD	10	3.96	13.2	11/20/25 17:27	VL112025
109-99-9	Tetrahydrofuran	0.80	2.36	UD	10	2.36	14.8	11/20/25 17:27	VL112025
75-69-4	Trichlorofluoromethane	1.70	9.55	UD	10	9.55	28.1	11/20/25 17:27	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	1.40	10.7	UD	10	10.7	38.3	11/20/25 17:27	VL112025
76-14-2	Dichlorotetrafluoroethane	1.50	10.5	UD	10	10.5	35.0	11/20/25 17:27	VL112025
75-65-0	tert-Butyl alcohol	1.60	4.85	UD	10	4.85	15.2	11/20/25 17:27	VL112025
142-82-5	Heptane	1.70	6.97	UD	10	6.97	20.5	11/20/25 17:27	VL112025
75-35-4	1,1-Dichloroethene	1.50	5.95	UD	10	5.95	19.8	11/20/25 17:27	VL112025
67-64-1	Acetone	3.30	7.84	JD	10	4.28	11.9	11/20/25 17:27	VL112025
75-15-0	Carbon Disulfide	0.80	2.49	UD	10	2.49	15.6	11/20/25 17:27	VL112025
1634-04-4	Methyl tert-Butyl Ether	2.30	8.29	UD	10	8.29	18.0	11/20/25 17:27	VL112025
75-09-2	Methylene Chloride	2.30	7.99	UD	10	7.99	17.4	11/20/25 17:27	VL112025
156-60-5	trans-1,2-Dichloroethene	1.20	4.76	UD	10	4.76	19.8	11/20/25 17:27	VL112025
75-34-3	1,1-Dichloroethane	1.30	5.26	UD	10	5.26	20.2	11/20/25 17:27	VL112025
110-82-7	Cyclohexane	2.20	7.57	UD	10	7.57	17.2	11/20/25 17:27	VL112025
78-93-3	2-Butanone	1.20	3.54	JD	10	1.65	14.8	11/20/25 17:27	VL112025
56-23-5	Carbon Tetrachloride	0.25	1.57	UD	10	1.57	1.89	11/20/25 17:27	VL112025
156-59-2	cis-1,2-Dichloroethene	0.99	3.93	UD	10	3.93	19.8	11/20/25 17:27	VL112025
67-66-3	Chloroform	0.96	4.69	UD	10	4.69	24.4	11/20/25 17:27	VL112025
71-55-6	1,1,1-Trichloroethane	0.16	0.87	UD	10	0.87	1.64	11/20/25 17:27	VL112025
540-84-1	2,2,4-Trimethylpentane	1.40	6.54	UD	10	6.54	23.4	11/20/25 17:27	VL112025
71-43-2	Benzene	0.79	2.52	UD	10	2.52	16.0	11/20/25 17:27	VL112025
107-06-2	1,2-Dichloroethane	0.93	3.76	UD	10	3.76	20.2	11/20/25 17:27	VL112025
79-01-6	Trichloroethene	0.24	1.29	UD	10	1.29	1.61	11/20/25 17:27	VL112025
78-87-5	1,2-Dichloropropane	1.30	6.01	UD	10	6.01	23.1	11/20/25 17:27	VL112025
75-27-4	Bromodichloromethane	0.63	4.22	UD	10	4.22	33.5	11/20/25 17:27	VL112025
108-10-1	4-Methyl-2-Pentanone	0.97	3.98	UD	10	3.98	20.5	11/20/25 17:27	VL112025
108-88-3	Toluene	1.60	6.03	UD	10	6.03	18.8	11/20/25 17:27	VL112025
10061-02-6	t-1,3-Dichloropropene	1.50	6.81	UD	10	6.81	22.7	11/20/25 17:27	VL112025
10061-01-5	cis-1,3-Dichloropropene	1.10	4.99	UD	10	4.99	22.7	11/20/25 17:27	VL112025
79-00-5	1,1,2-Trichloroethane	0.81	4.42	UD	10	4.42	27.3	11/20/25 17:27	VL112025
124-48-1	Dibromochloromethane	0.85	7.24	UD	10	7.24	42.6	11/20/25 17:27	VL112025
106-93-4	1,2-Dibromoethane	0.85	6.53	UD	10	6.53	7.69	11/20/25 17:27	VL112025
127-18-4	Tetrachloroethene	82.7	561	D	10	1.02	2.03	11/20/25 17:27	VL112025
108-90-7	Chlorobenzene	0.77	3.55	UD	10	3.55	23.0	11/20/25 17:27	VL112025
100-41-4	Ethyl Benzene	1.90	8.25	UD	10	8.25	21.7	11/20/25 17:27	VL112025
179601-23-1	m/p-Xylene	4.10	17.8	UD	10	17.8	43.4	11/20/25 17:27	VL112025
95-47-6	o-Xylene	2.10	9.12	UD	10	9.12	21.7	11/20/25 17:27	VL112025
100-42-5	Styrene	1.60	6.81	UD	10	6.81	21.3	11/20/25 17:27	VL112025
75-25-2	Bromoform	0.48	4.96	UD	10	4.96	51.7	11/20/25 17:27	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.18	1.24	UD	10	1.24	2.06	11/20/25 17:27	VL112025
95-49-8	2-Chlorotoluene	1.70	8.80	UD	10	8.80	25.9	11/20/25 17:27	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-3DL	SDG No.:	Q3655
Lab Sample ID:	Q3655-03DL	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	1.80	8.85	UD	10	8.85	24.6	11/20/25 17:27	VL112025
95-63-6	1,2,4-Trimethylbenzene	1.80	8.85	UD	10	8.85	24.6	11/20/25 17:27	VL112025
541-73-1	1,3-Dichlorobenzene	0.54	3.25	UD	10	3.25	30.1	11/20/25 17:27	VL112025
106-46-7	1,4-Dichlorobenzene	1.30	7.82	UD	10	7.82	30.1	11/20/25 17:27	VL112025
95-50-1	1,2-Dichlorobenzene	1.30	7.82	UD	10	7.82	30.1	11/20/25 17:27	VL112025
120-82-1	1,2,4-Trichlorobenzene	2.10	15.6	UD	10	15.6	37.1	11/20/25 17:27	VL112025
87-68-3	Hexachloro-1,3-Butadiene	1.30	13.9	UD	10	13.9	53.3	11/20/25 17:27	VL112025
106-99-0	1,3-Butadiene	0.51	1.13	UD	10	1.13	11.1	11/20/25 17:27	VL112025
91-20-3	Naphthalene	0.13	0.68	UD	10	0.68	5.24	11/20/25 17:27	VL112025
622-96-8	4-Ethyltoluene	2.10	10.3	UD	10	10.3	24.6	11/20/25 17:27	VL112025
110-54-3	Hexane	1.60	5.64	UD	10	5.64	17.6	11/20/25 17:27	VL112025
107-05-1	Allyl Chloride	1.10	3.44	UD	10	3.44	15.7	11/20/25 17:27	VL112025
123-91-1	1,4-Dioxane	2.20	7.93	UD	10	7.93	18.0	11/20/25 17:27	VL112025
80-62-6	Methyl Methacrylate	1.40	5.73	UD	10	5.73	20.5	11/20/25 17:27	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.60				70 (65) - 130 (135)	96% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	102000							
540-36-3	1,4-Difluorobenzene	263000							
3114-55-4	Chlorobenzene-d5	204000							

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\VL112025\
Data File : VL043269.D
Acq On : 20 Nov 2025 17:27
Operator : SY/MD
Sample : Q3655-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:41:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	101941	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	262812	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	203972	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	143816	9.619	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.200%			
Target Compounds						Qvalue
13) Ethanol	1.719	45	959m	0.454	ppbv	
15) Acetone	1.835	43	4711m	0.333	ppbv	
20) Methylene Chloride	2.059	84	3916	0.166	ppbv	97
26) Hexane	2.822	57	1739	0.130	ppbv #	52
34) 2-Butanone	2.560	43	2263	0.122	ppbv	100
52) Tetrachloroethene	8.215	164	77443	8.272	ppbv	98

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

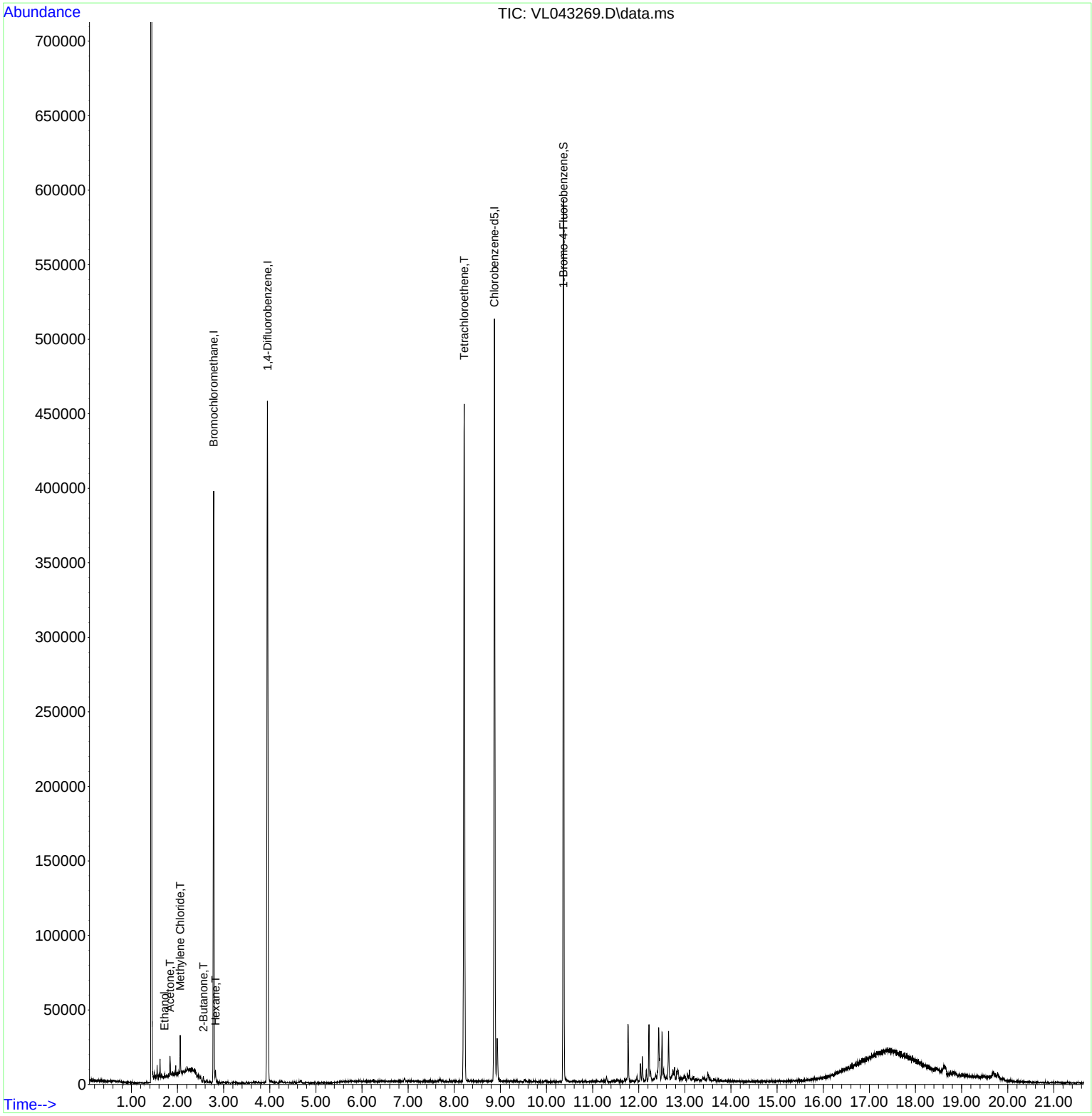
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Data File : VL043269.D
Acq On : 20 Nov 2025 17:27
Operator : SY/MD
Sample : Q3655-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

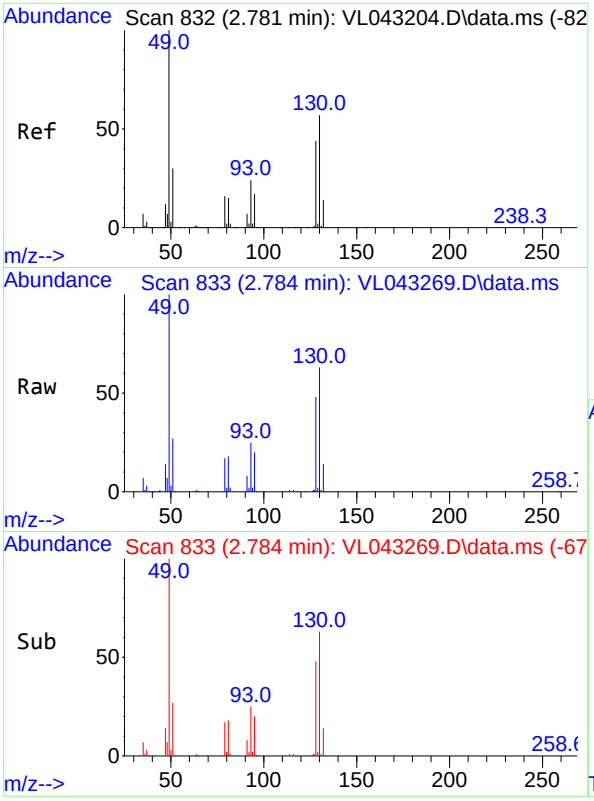
Quant Time: Nov 21 00:41:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

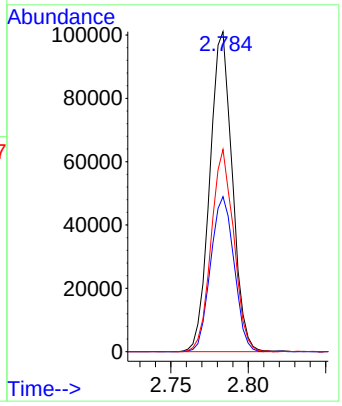




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 49 Resp: 10194

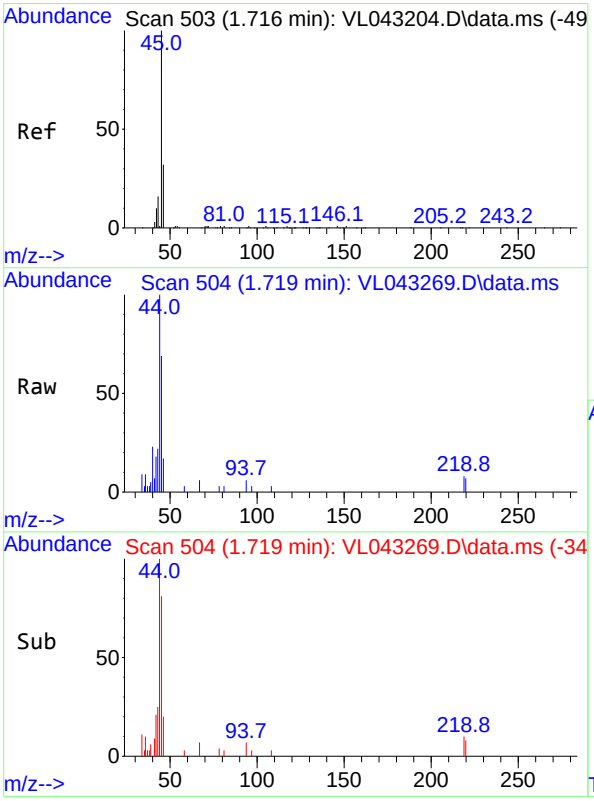
Ion	Ratio	Lower	Upper
49	100		
128	50.5	23.0	69.0
130	63.4	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations
APPROVED

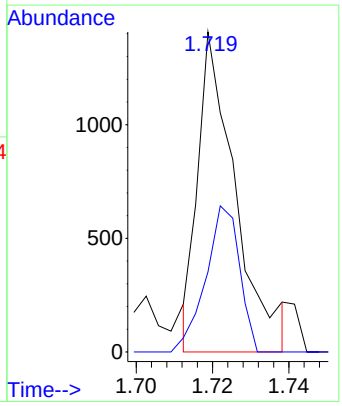
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

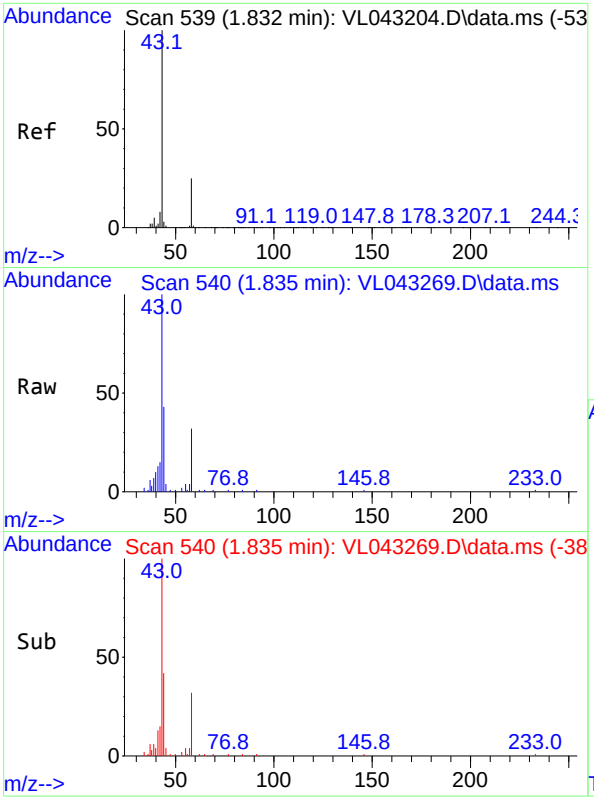


#13
Ethanol
Concen: 0.454 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 45 Resp: 959

Ion	Ratio	Lower	Upper
45	100		
46	9554.1	15.0	59.8#

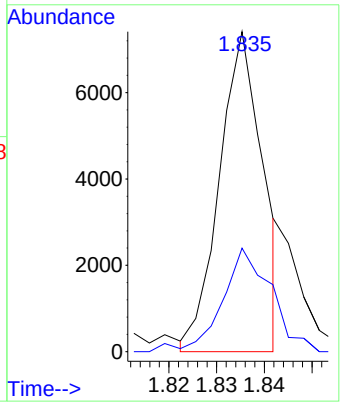




#15
Acetone
Concen: 0.333 ppbv m
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 43 Resp: 471

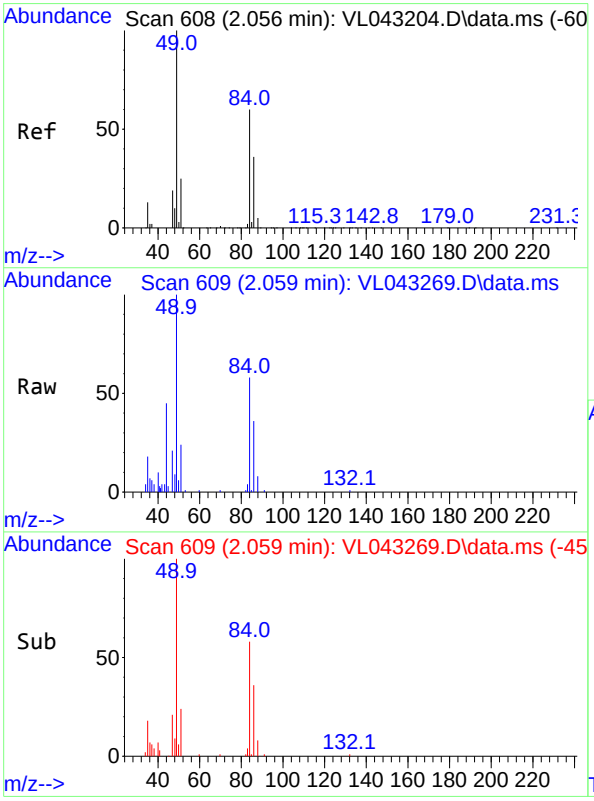
Ion	Ratio	Lower	Upper
43	100		
58	37.1	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations
APPROVED

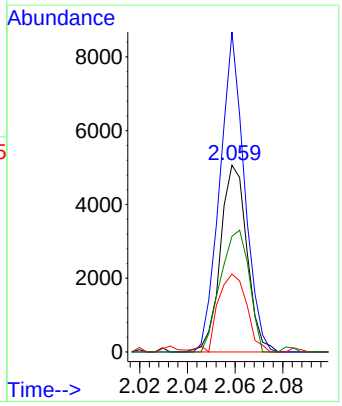
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

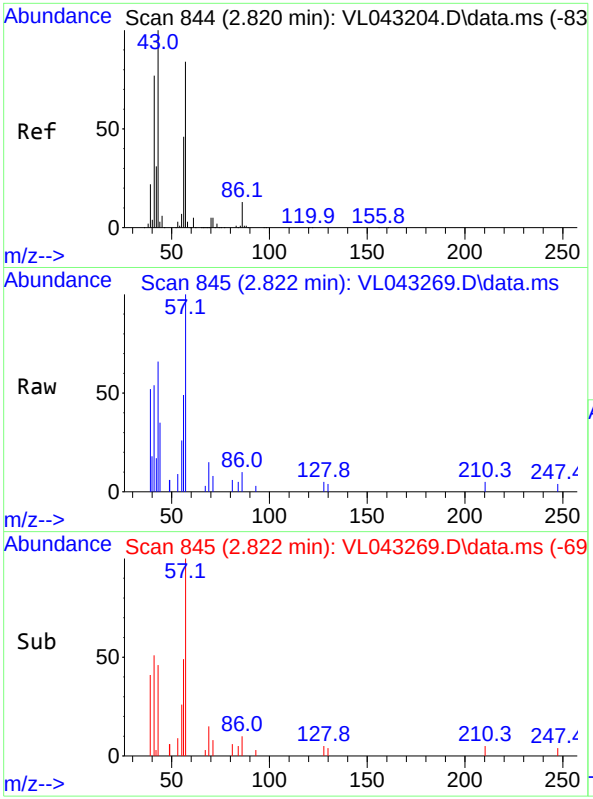


#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 84 Resp: 3916

Ion	Ratio	Lower	Upper
84	100		
49	171.4	132.9	199.3
51	41.7	34.8	52.2
86	61.9	48.2	72.2

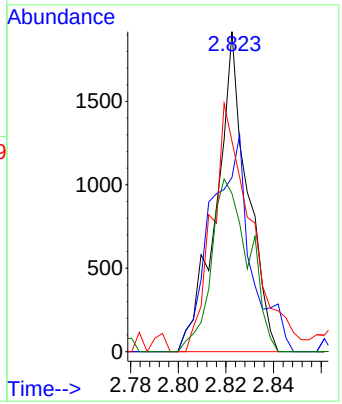




#26
Hexane
Concen: 0.130 ppbv
RT: 2.822 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 57 Resp: 173

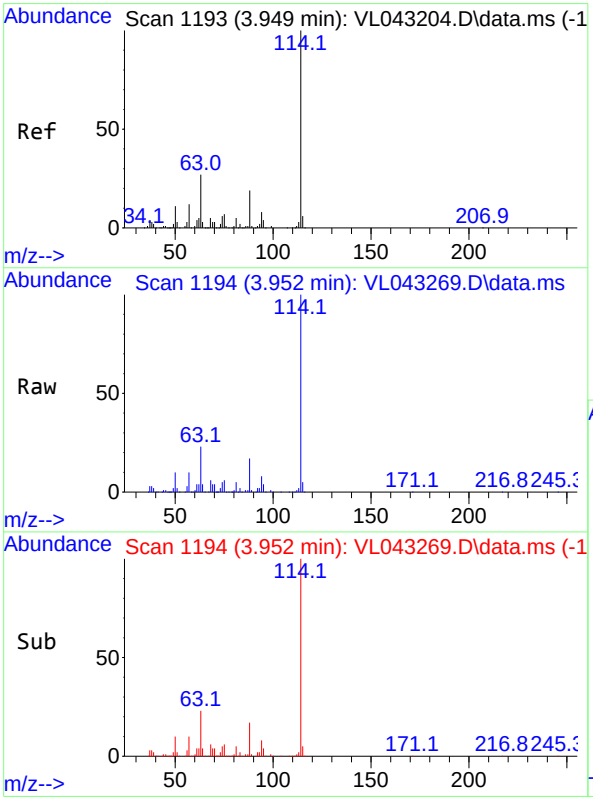
Ion	Ratio	Lower	Upper
57	100		
41	87.6	74.6	111.8
43	106.2	179.0	268.4#
56	65.3	42.3	63.5#



Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations
APPROVED

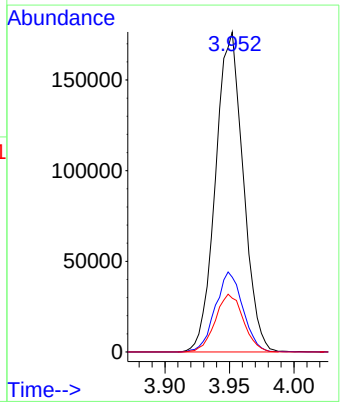
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

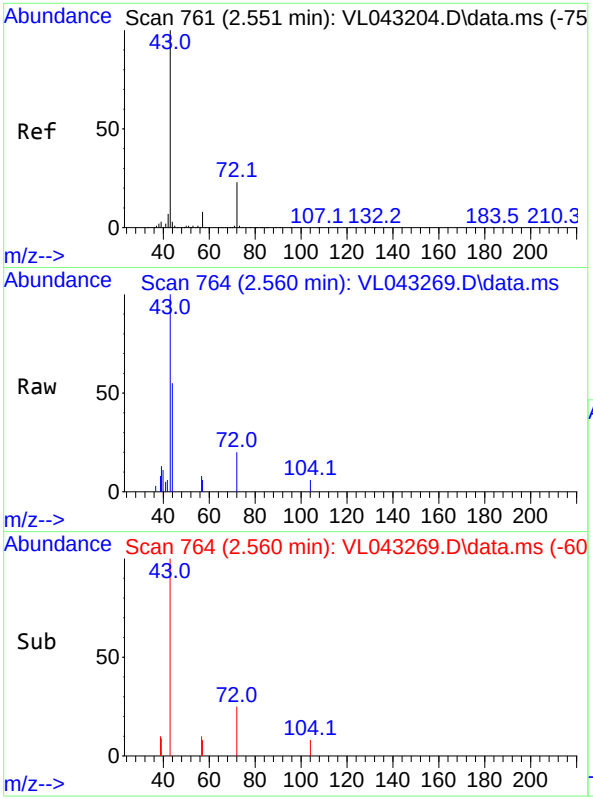


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion:114 Resp: 262812

Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.0	31.6
88	18.4	14.9	22.3

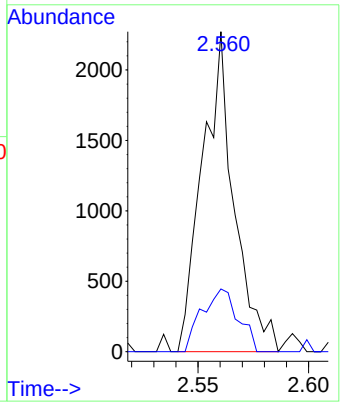




#34
2-Butanone
Concen: 0.122 ppbv
RT: 2.560 min Scan# 7
Delta R.T. 0.009 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 43 Resp: 226

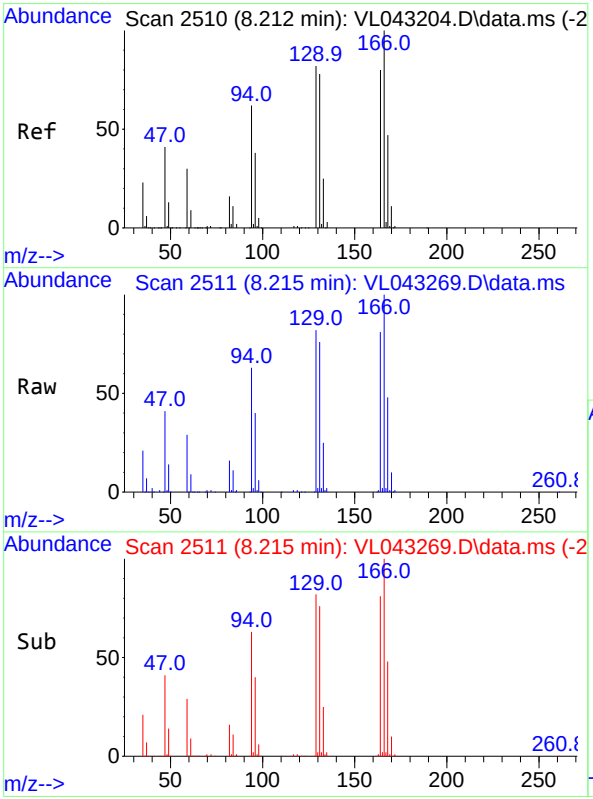
Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations
APPROVED

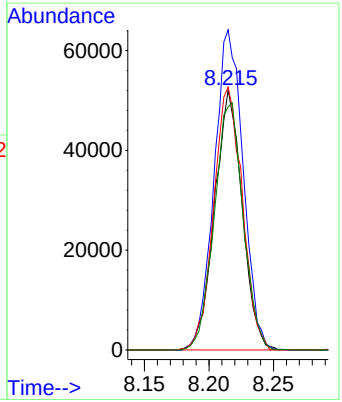
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

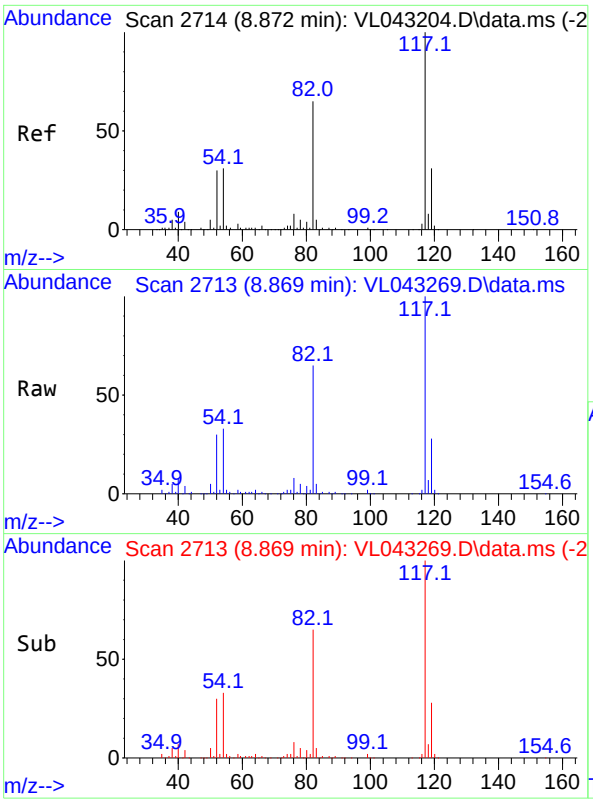


#52
Tetrachloroethene
Concen: 8.272 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion:164 Resp: 77443

Ion	Ratio	Lower	Upper
164	100		
166	123.1	99.4	149.2
129	101.1	81.8	122.8
131	93.5	77.4	116.2

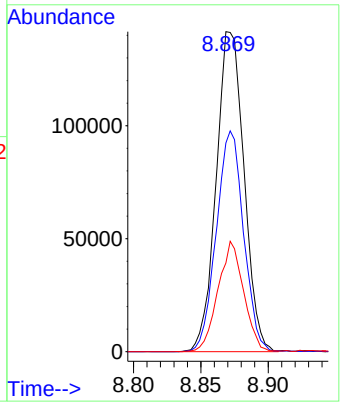




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion:117 Resp: 20397

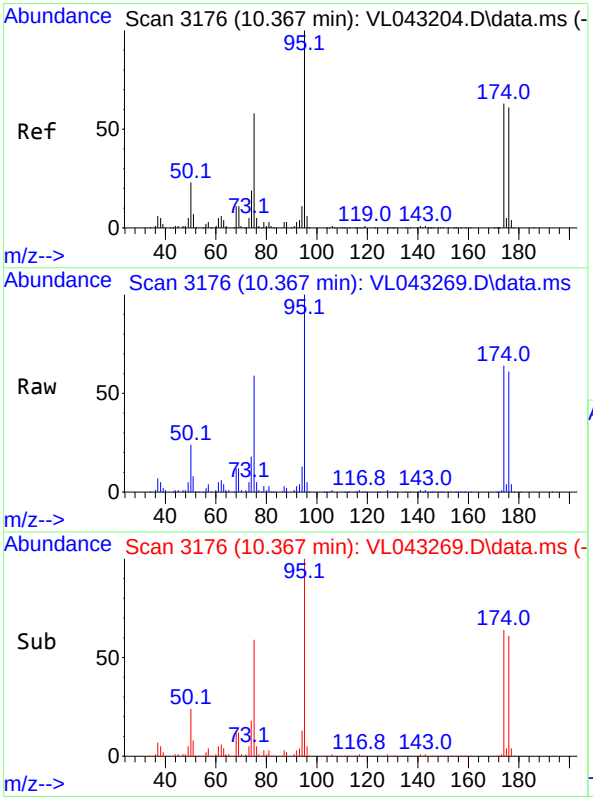
Ion	Ratio	Lower	Upper
117	100		
82	67.6	56.1	84.1
119	31.8	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Manual Integrations
APPROVED

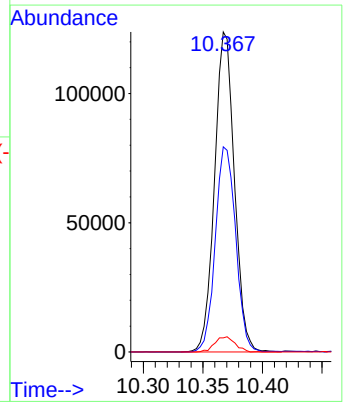
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.619 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 95 Resp: 143816

Ion	Ratio	Lower	Upper
95	100		
174	66.1	50.2	75.2
175	4.9	4.1	6.1



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-4	SDG No.:	Q3655
Lab Sample ID:	Q3655-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.59	2.92	J	2	1.09	4.94	11/20/25 14:32	VL112025
74-87-3	Chloromethane	0.63	1.30	J	2	0.41	2.07	11/20/25 14:32	VL112025
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/20/25 14:32	VL112025
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/20/25 14:32	VL112025
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/20/25 14:32	VL112025
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/20/25 14:32	VL112025
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/20/25 14:32	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/20/25 14:32	VL112025
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/20/25 14:32	VL112025
75-65-0	tert-Butyl alcohol	0.38	1.15	J	2	0.97	3.03	11/20/25 14:32	VL112025
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/20/25 14:32	VL112025
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/20/25 14:32	VL112025
67-64-1	Acetone	3.70	8.79		2	0.86	2.38	11/20/25 14:32	VL112025
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/20/25 14:32	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/20/25 14:32	VL112025
75-09-2	Methylene Chloride	1.50	5.21		2	1.60	3.47	11/20/25 14:32	VL112025
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/20/25 14:32	VL112025
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/20/25 14:32	VL112025
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/20/25 14:32	VL112025
78-93-3	2-Butanone	1.10	3.24		2	0.32	2.95	11/20/25 14:32	VL112025
56-23-5	Carbon Tetrachloride	0.070	0.44		2	0.31	0.38	11/20/25 14:32	VL112025
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/20/25 14:32	VL112025
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/20/25 14:32	VL112025
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/20/25 14:32	VL112025
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/20/25 14:32	VL112025
71-43-2	Benzene	0.16	0.51	U	2	0.51	3.19	11/20/25 14:32	VL112025
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/20/25 14:32	VL112025
79-01-6	Trichloroethene	0.050	0.27	U	2	0.27	0.32	11/20/25 14:32	VL112025
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/20/25 14:32	VL112025
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/20/25 14:32	VL112025
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/20/25 14:32	VL112025
108-88-3	Toluene	0.33	1.24	J	2	1.21	3.77	11/20/25 14:32	VL112025
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/20/25 14:32	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/20/25 14:32	VL112025
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/20/25 14:32	VL112025
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/20/25 14:32	VL112025
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/20/25 14:32	VL112025
127-18-4	Tetrachloroethene	6.60	44.8		2	0.20	0.41	11/20/25 14:32	VL112025
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/20/25 14:32	VL112025
100-41-4	Ethyl Benzene	0.38	1.65	U	2	1.65	4.34	11/20/25 14:32	VL112025
179601-23-1	m/p-Xylene	0.82	3.56	U	2	3.56	8.69	11/20/25 14:32	VL112025
95-47-6	o-Xylene	0.42	1.82	U	2	1.82	4.34	11/20/25 14:32	VL112025
100-42-5	Styrene	0.32	1.36	U	2	1.36	4.26	11/20/25 14:32	VL112025
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/20/25 14:32	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/20/25 14:32	VL112025
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/20/25 14:32	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-4	SDG No.:	Q3655
Lab Sample ID:	Q3655-04	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 14:32	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 14:32	VL112025
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01	11/20/25 14:32	VL112025
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 14:32	VL112025
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 14:32	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42	11/20/25 14:32	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7	11/20/25 14:32	VL112025
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21	11/20/25 14:32	VL112025
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05	11/20/25 14:32	VL112025
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92	11/20/25 14:32	VL112025
110-54-3	Hexane	0.94	3.31	J	2	1.13	3.52	11/20/25 14:32	VL112025
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13	11/20/25 14:32	VL112025
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60	11/20/25 14:32	VL112025
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09	11/20/25 14:32	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	9.80				70 (65) - 130 (135)	98% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	106000							
540-36-3	1,4-Difluorobenzene	273000							
3114-55-4	Chlorobenzene-d5	208000							

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\VL112025\
Data File : VL043264.D
Acq On : 20 Nov 2025 14:32
Operator : SY/MD
Sample : Q3655-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:39:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	105685	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	273349	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	207697	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.367	95	149369	9.811	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4384	0.294	ppbv		99
3) Chlorodifluoromethane	1.470	51	1836m	0.125	ppbv		
4) Chloromethane	1.531	50	1762	0.316	ppbv	#	85
9) Propene	1.486	41	1459	0.234	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	2322	0.161	ppbv	#	82
13) Ethanol	1.719	45	3212	1.467	ppbv	#	38
15) Acetone	1.832	43	27467	1.871	ppbv		100
17) tert-Butyl alcohol	2.039	59	3663	0.190	ppbv		95
19) Isopropyl Alcohol	1.884	45	11013	1.327	ppbv	#	59
20) Methylene Chloride	2.059	84	6390	0.751	ppbv	#	88
26) Hexane	2.823	57	6555	0.472	ppbv	#	45
34) 2-Butanone	2.554	43	10341	0.536	ppbv		97
35) Carbon Tetrachloride	3.758	117	737m	0.036	ppbv		
52) Tetrachloroethene	8.215	164	31930	3.279	ppbv		94
53) Toluene	6.917	91	5118m	0.165	ppbv		
59) m/p-Xylene	9.522	91	5280m	0.165	ppbv		
74) 1,2,4-Trimethylbenzene	11.529	105	3815	0.107	ppbv	#	55

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

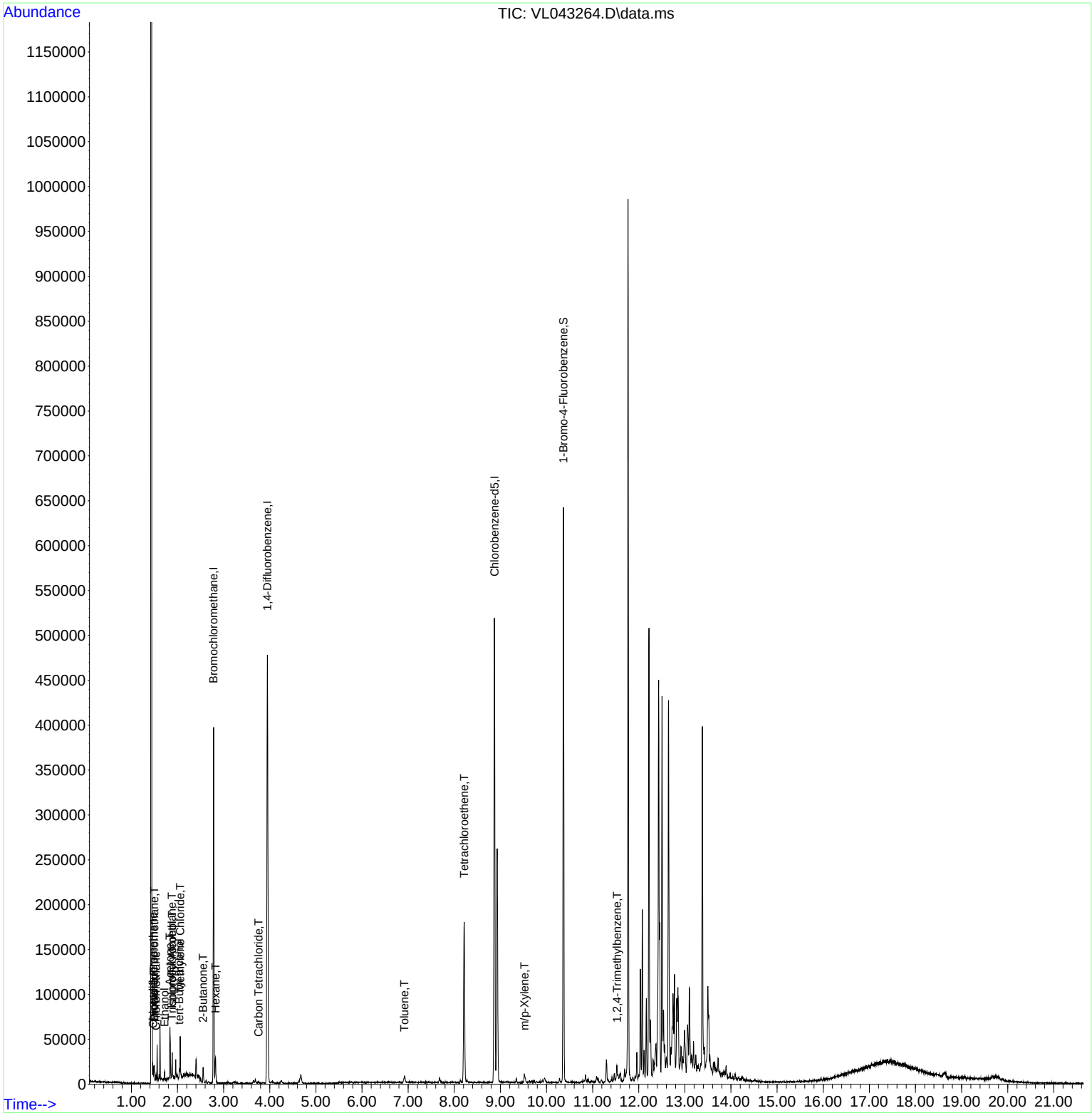
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043264.D
Acq On : 20 Nov 2025 14:32
Operator : SY/MD
Sample : Q3655-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

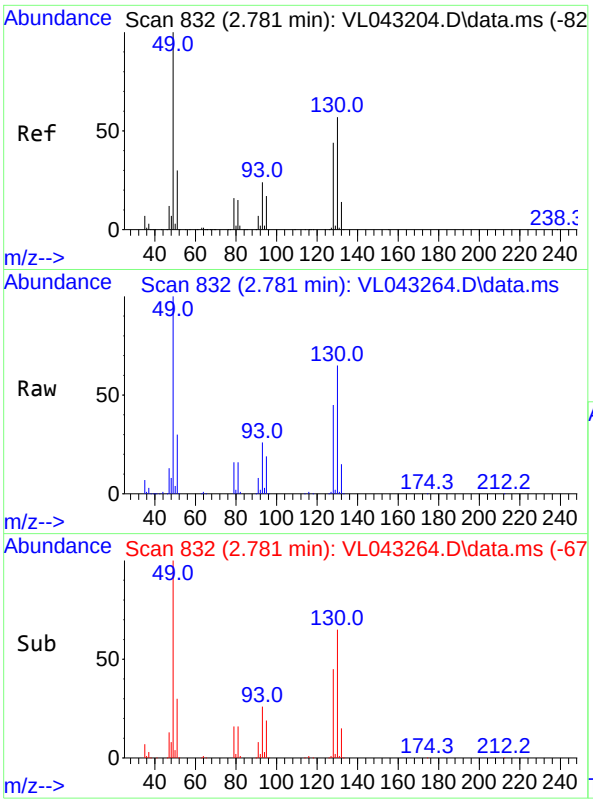
Quant Time: Nov 21 00:39:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

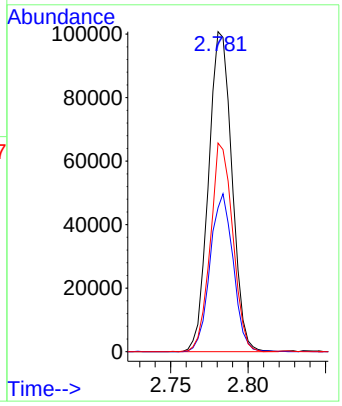




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 49 Resp: 10568

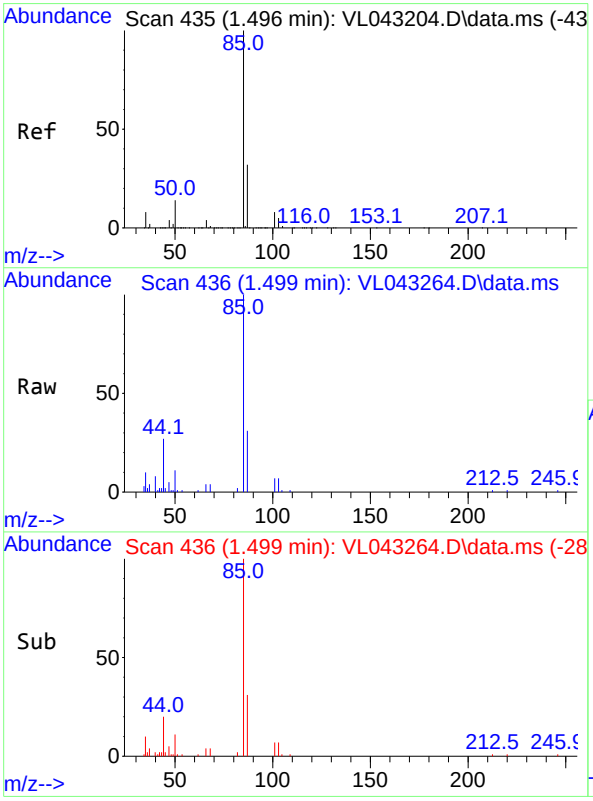
Ion	Ratio	Lower	Upper
49	100		
128	48.8	23.0	69.0
130	62.7	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

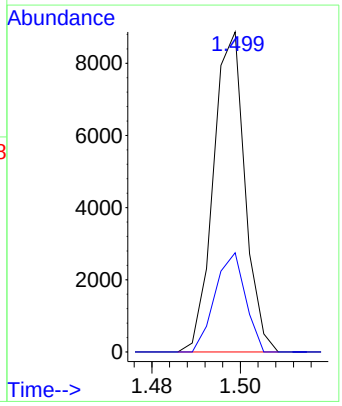
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

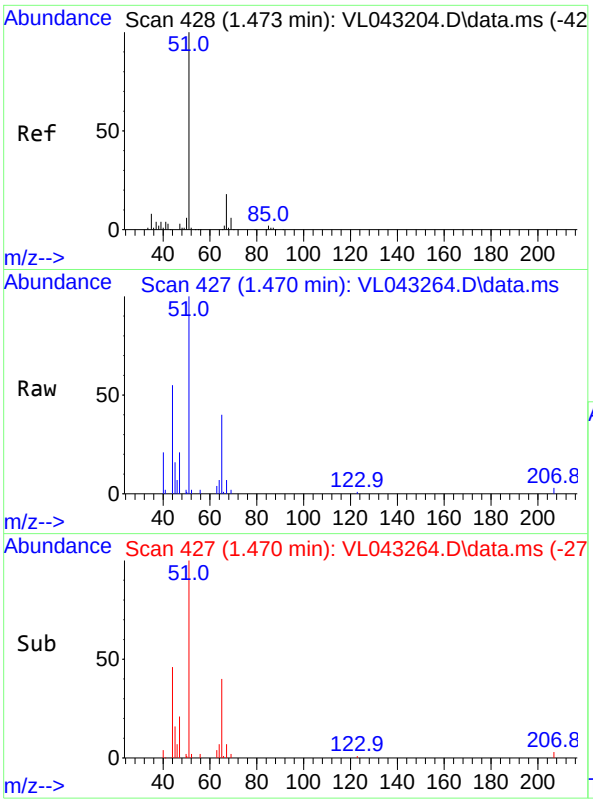


#2
Dichlorodifluoromethane
Concen: 0.294 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 85 Resp: 4384

Ion	Ratio	Lower	Upper
85	100		
87	31.0	25.4	38.2

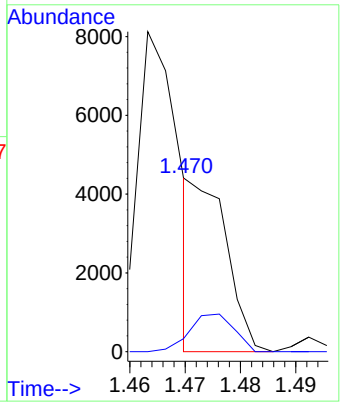




#3
Chlorodifluoromethane
Concen: 0.125 ppbv m
RT: 1.470 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 51 Resp: 183

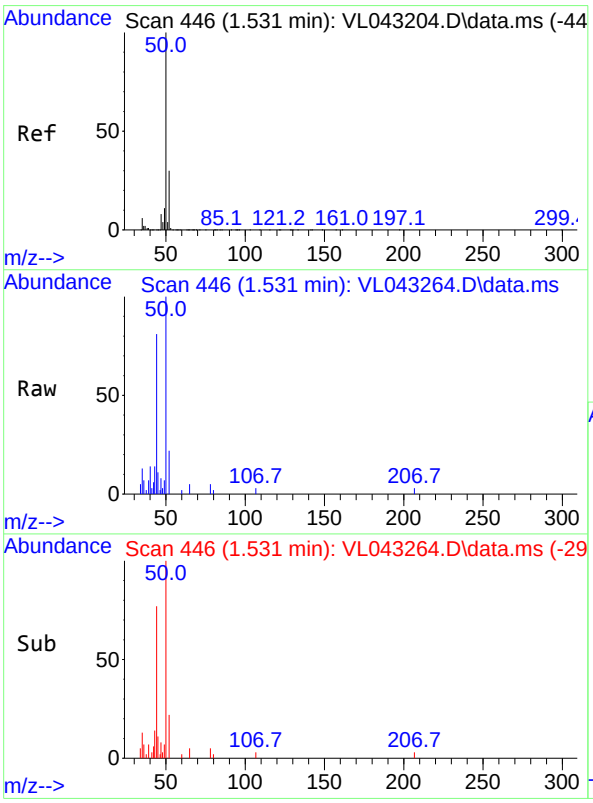
Ion	Ratio	Lower	Upper
51	100		
67	7.0	14.9	22.3#



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

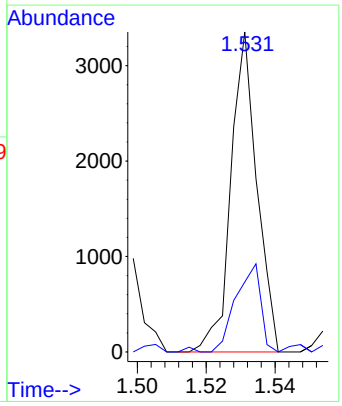
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

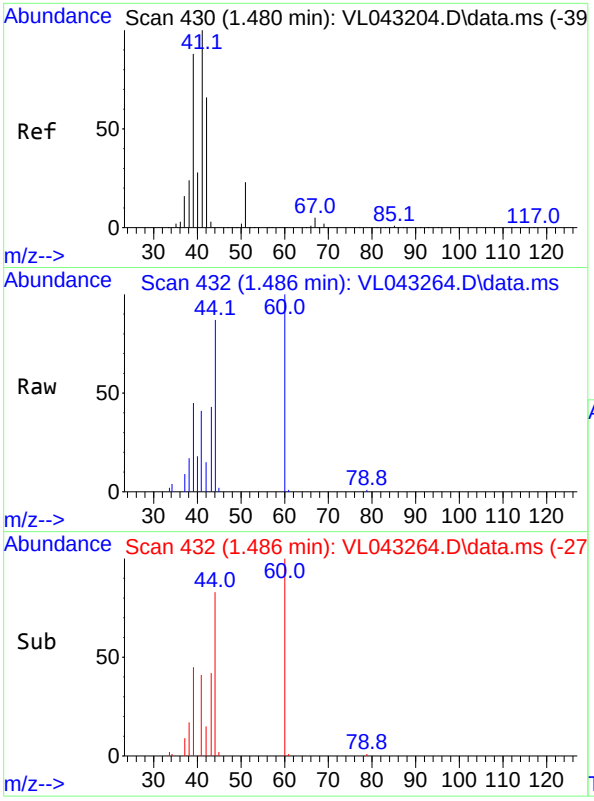


#4
Chloromethane
Concen: 0.316 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 50 Resp: 1762

Ion	Ratio	Lower	Upper
50	100		
52	21.9	24.1	36.1#

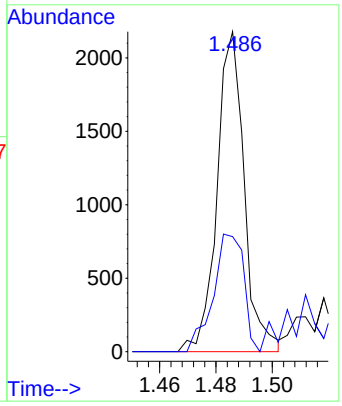




#9
Propene
Concen: 0.234 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 41 Resp: 145

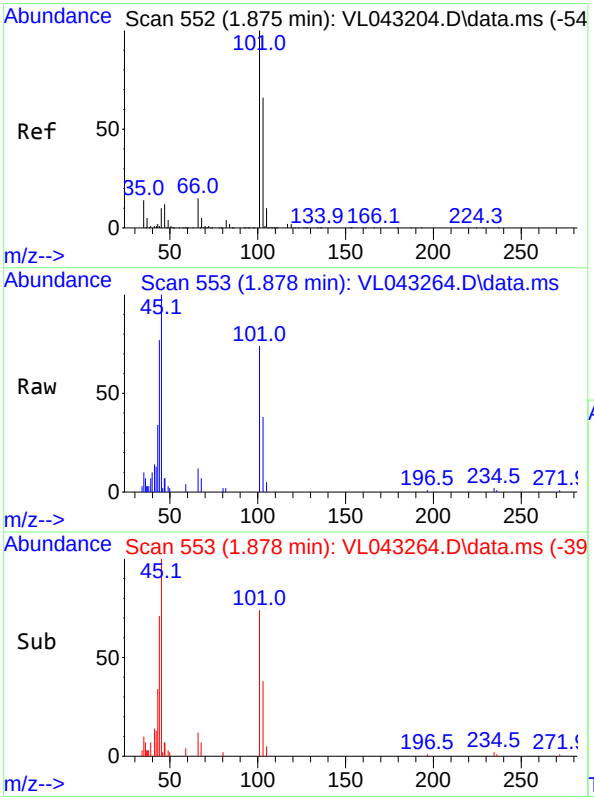
Ion	Ratio	Lower	Upper
41	100		
42	57.7	3.7	5.5#



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

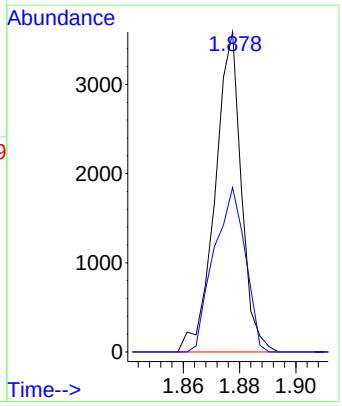
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

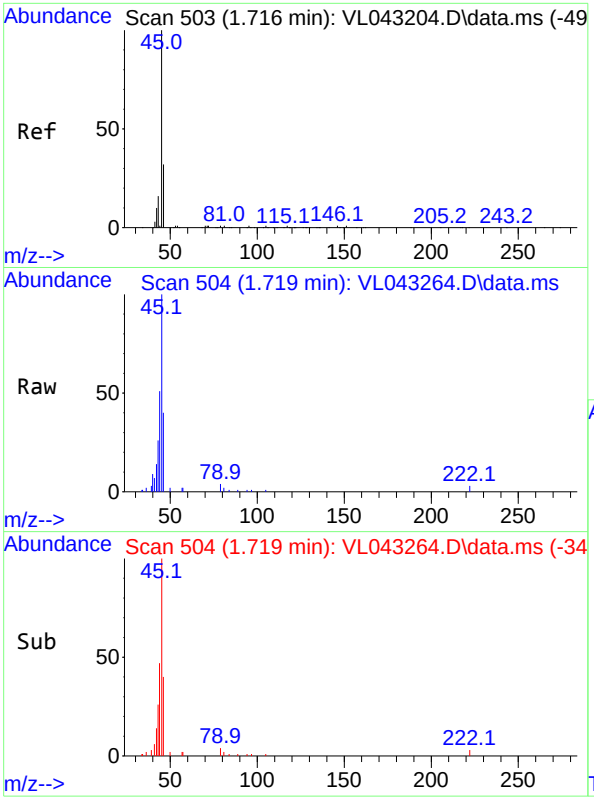


#11
Trichlorofluoromethane
Concen: 0.161 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:101 Resp: 2322

Ion	Ratio	Lower	Upper
101	100		
103	51.4	52.6	79.0#

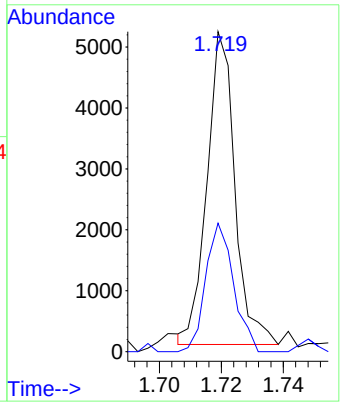




#13
Ethanol
Concen: 1.467 ppbv
RT: 1.719 min Scan# 5(
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 45 Resp: 321

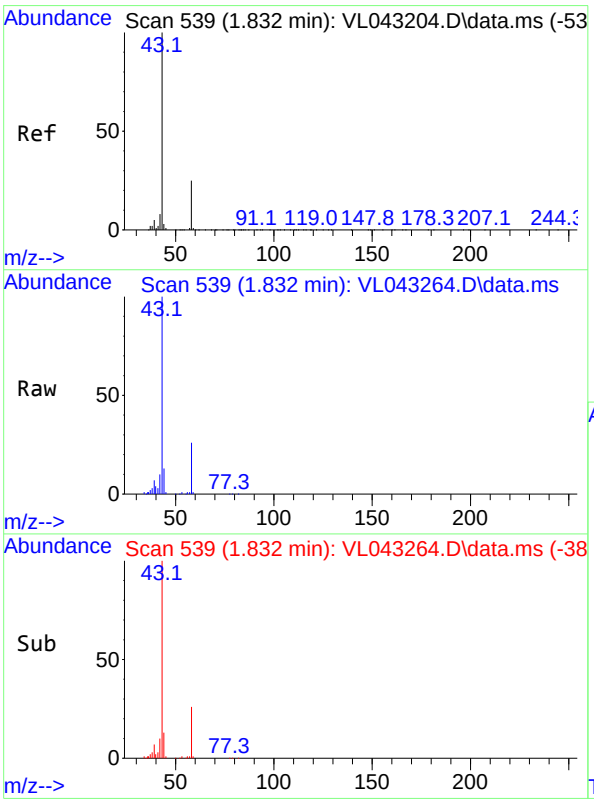
Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

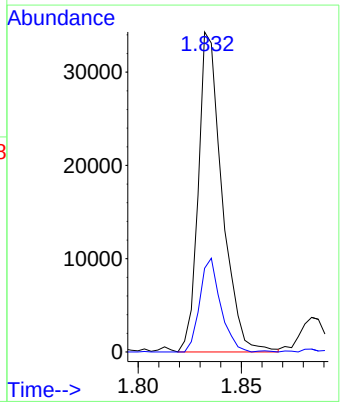
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

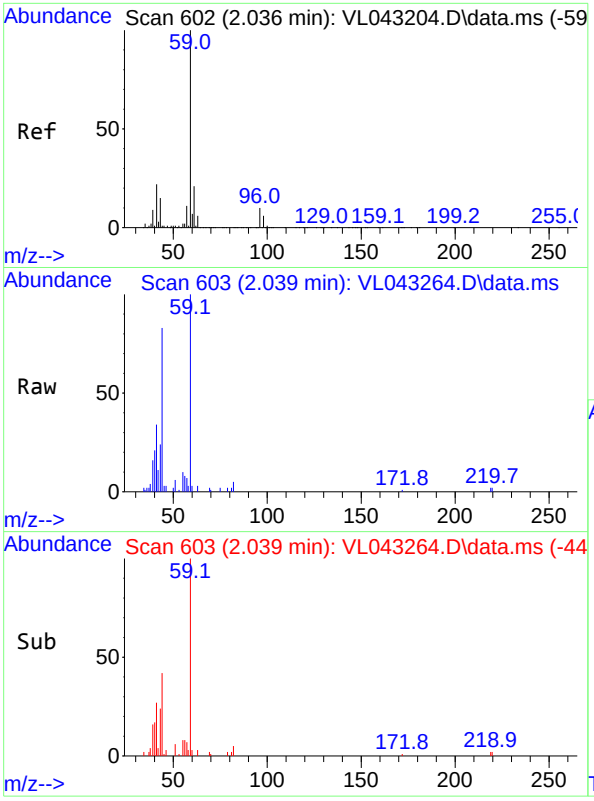


#15
Acetone
Concen: 1.871 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 43 Resp: 27467

Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.7	31.1

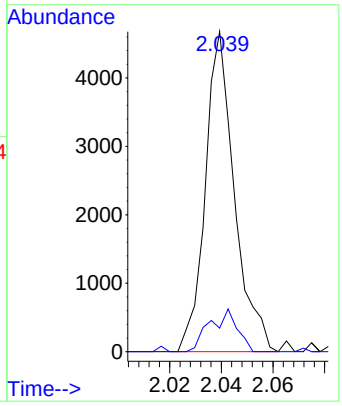




#17
tert-Butyl alcohol
Concen: 0.190 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 59 Resp: 366

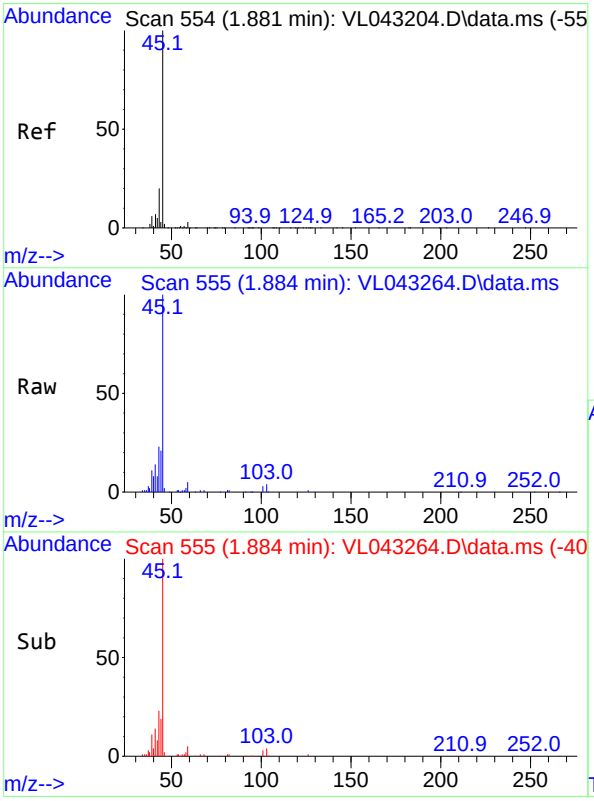
Ion	Ratio	Lower	Upper
59	100		
57	13.0	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

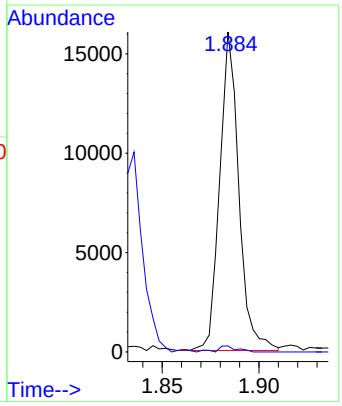
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

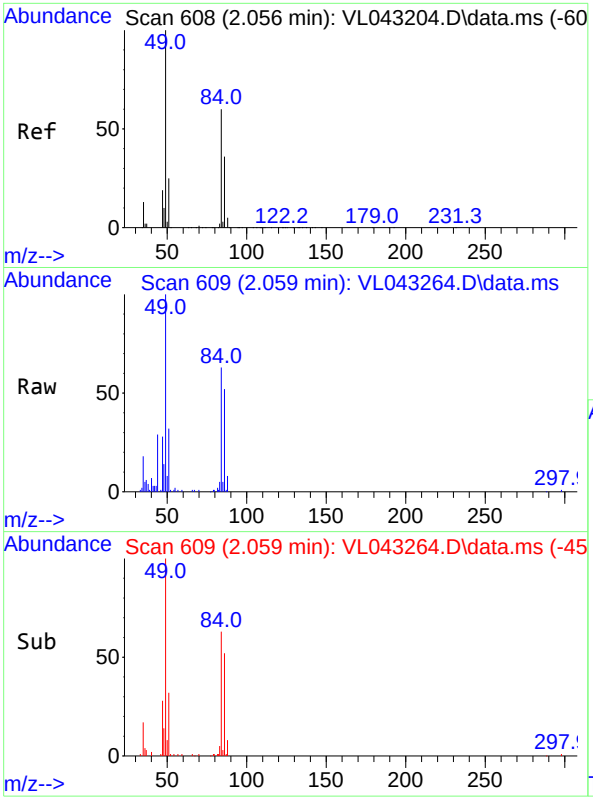


#19
Isopropyl Alcohol
Concen: 1.327 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 45 Resp: 11013

Ion	Ratio	Lower	Upper
45	100		
58	64.3	31.3	46.9#

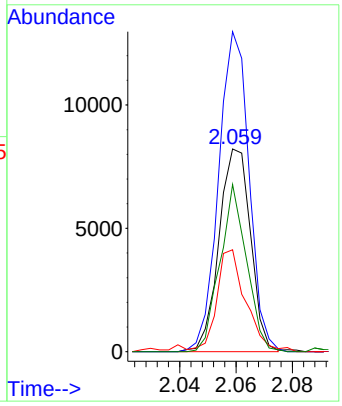




#20
Methylene Chloride
Concen: 0.751 ppbv
RT: 2.059 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 84 Resp: 639

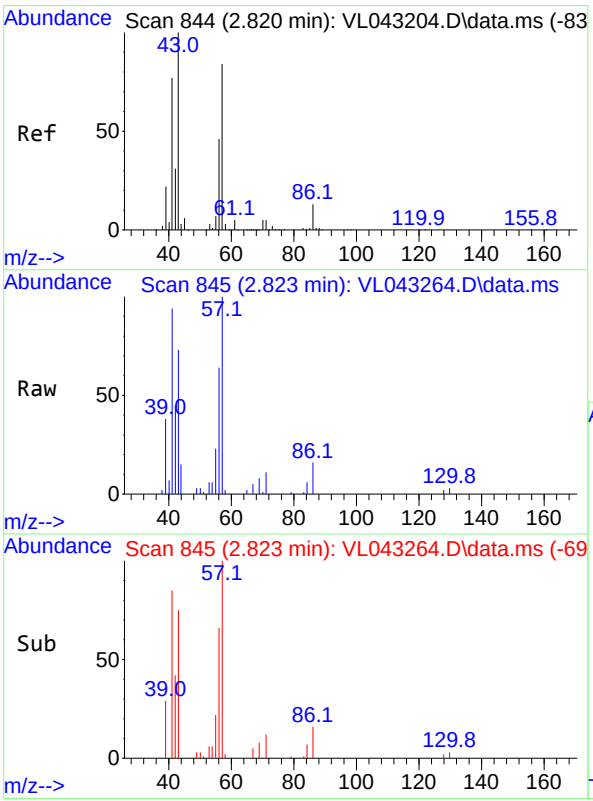
Ion	Ratio	Lower	Upper
84	100		
49	157.8	132.9	199.3
51	48.8	34.8	52.2
86	82.4	48.2	72.2#



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

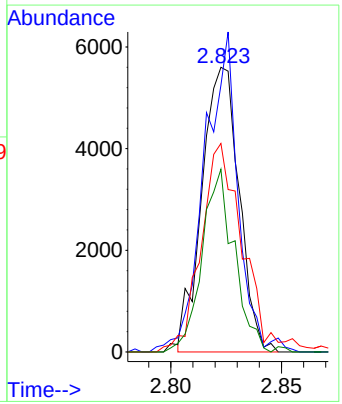
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

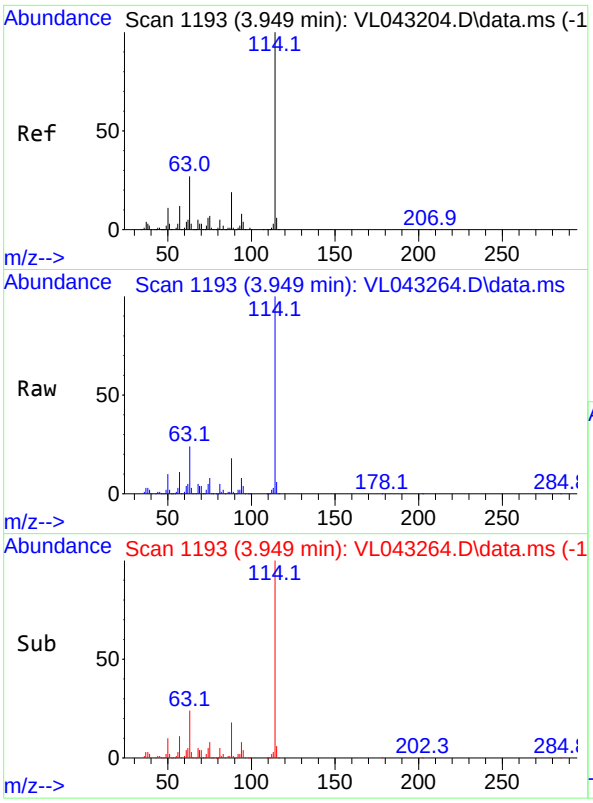


#26
Hexane
Concen: 0.472 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 57 Resp: 6555

Ion	Ratio	Lower	Upper
57	100		
41	101.8	74.6	111.8
43	82.6	179.0	268.4#
56	55.7	42.3	63.5

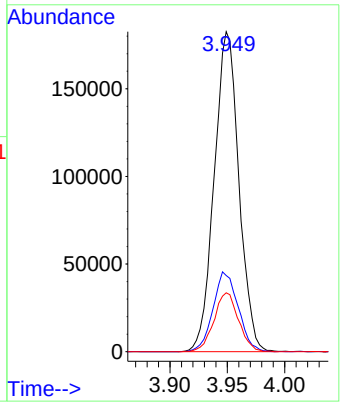




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:114 Resp: 27334

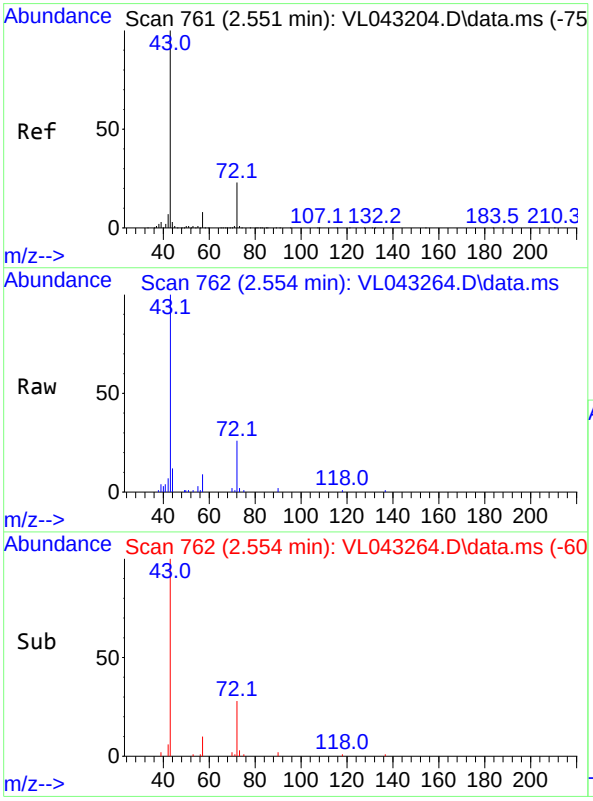
Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.0	31.6
88	18.4	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

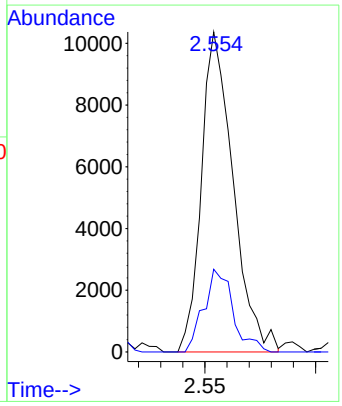
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

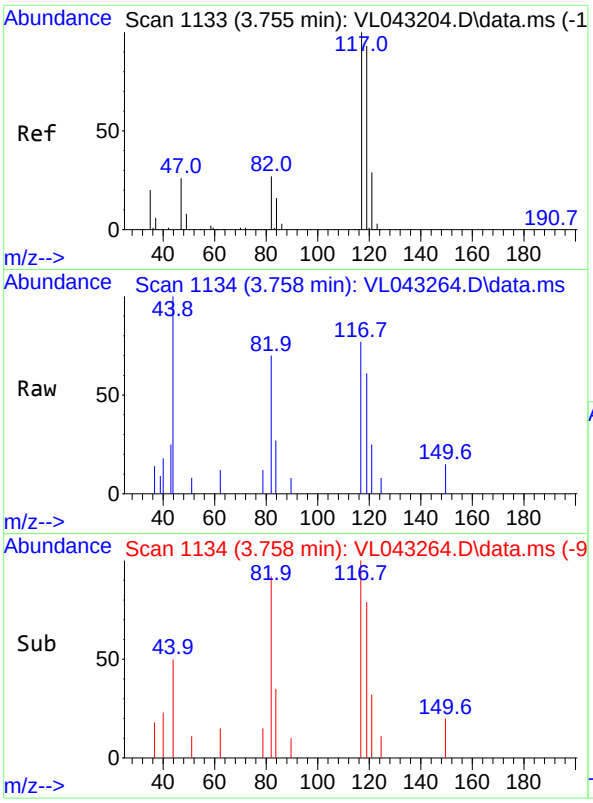


#34
2-Butanone
Concen: 0.536 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 43 Resp: 10341

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.1	27.1

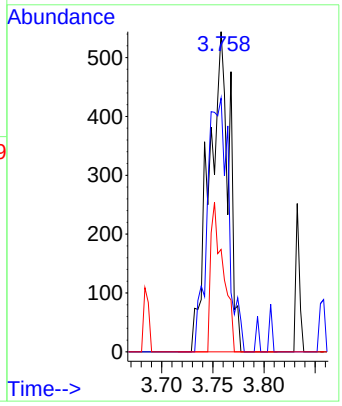




#35
Carbon Tetrachloride
Concen: 0.036 ppbv m
RT: 3.758 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:117 Resp: 73

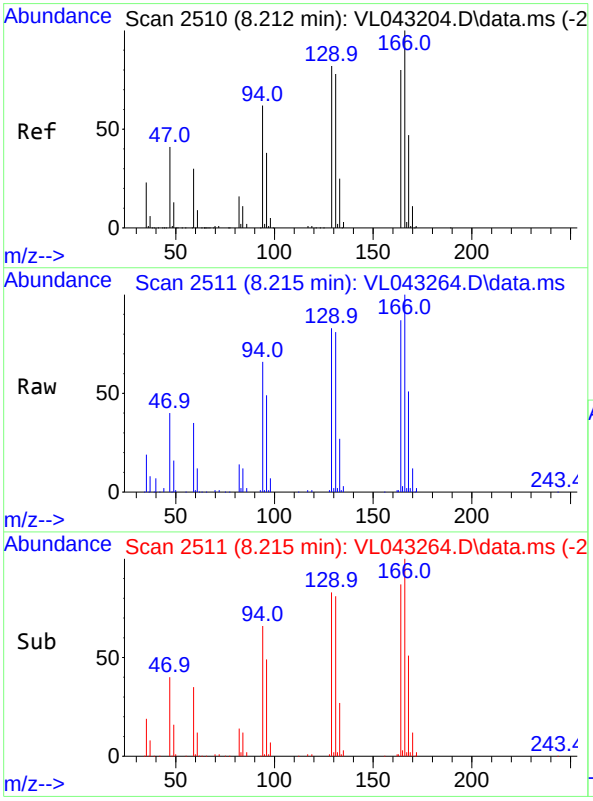
Ion	Ratio	Lower	Upper
117	100		
119	79.2	74.6	112.0
121	32.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

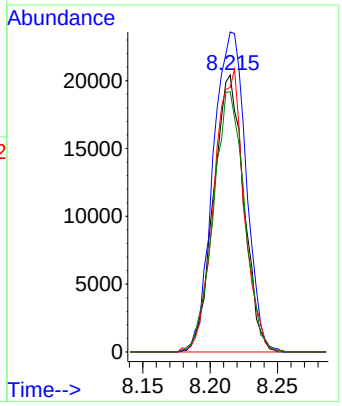
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

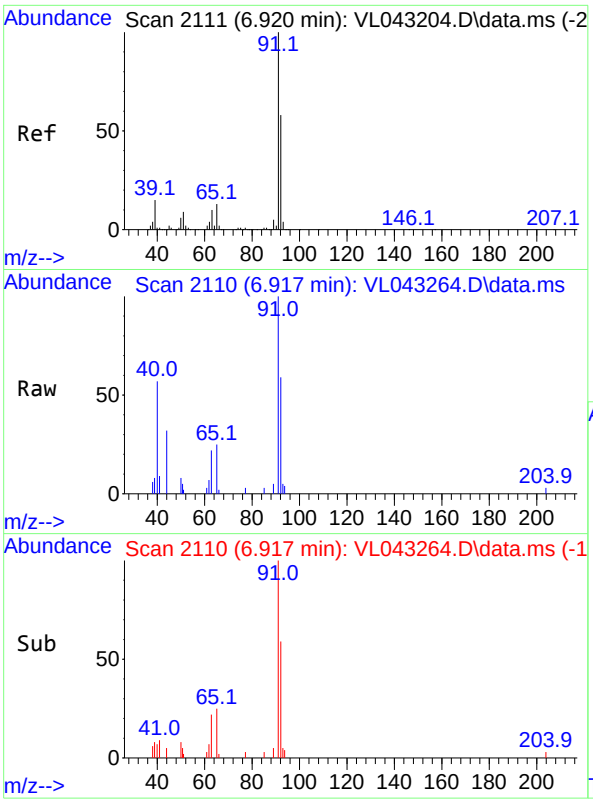


#52
Tetrachloroethene
Concen: 3.279 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:164 Resp: 31930

Ion	Ratio	Lower	Upper
164	100		
166	115.6	99.4	149.2
129	95.5	81.8	122.8
131	93.7	77.4	116.2

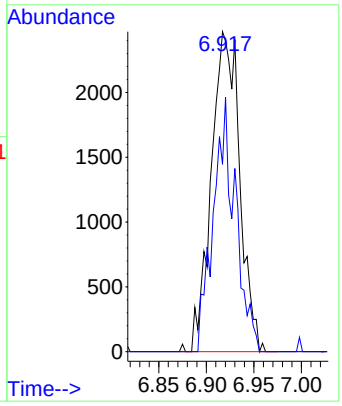




#53
Toluene
Concen: 0.165 ppbv m
RT: 6.917 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 91 Resp: 511

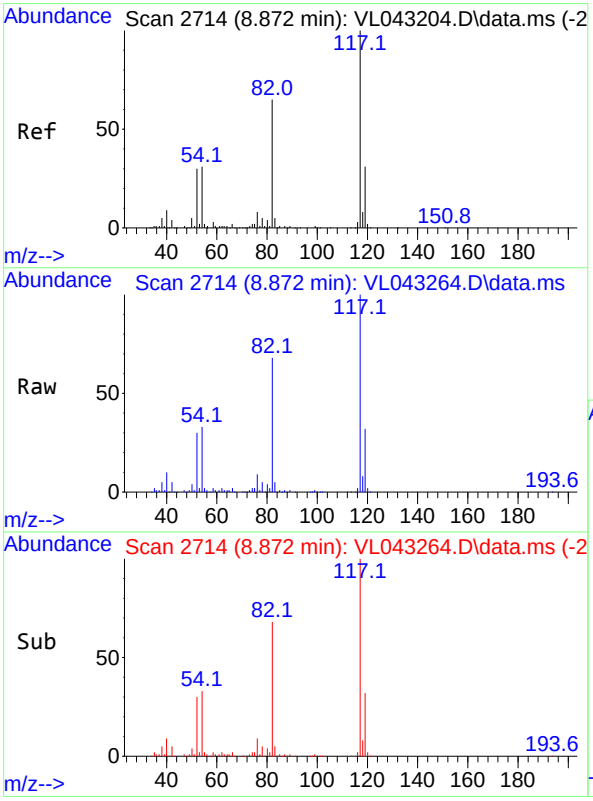
Ion	Ratio	Lower	Upper
91	100		
92	62.2	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

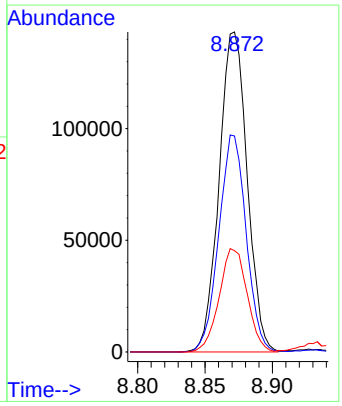
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

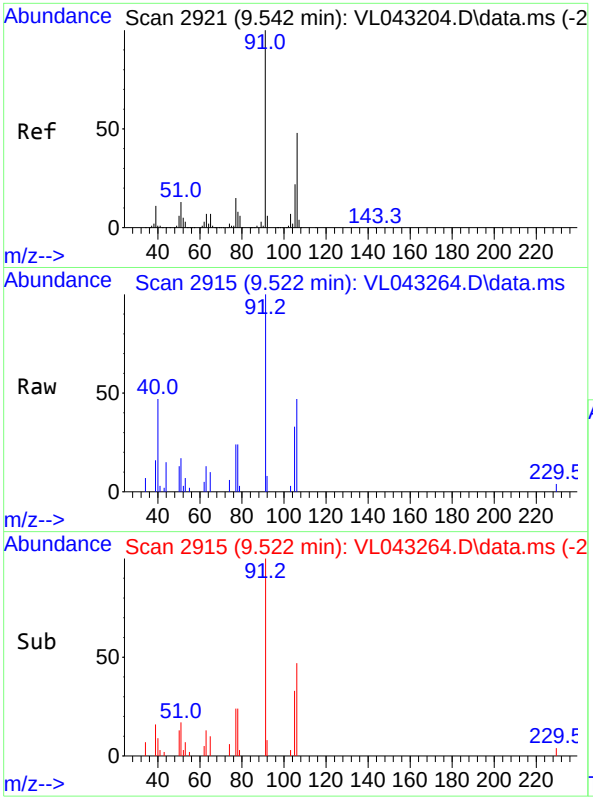


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:117 Resp: 207697

Ion	Ratio	Lower	Upper
117	100		
82	66.2	56.1	84.1
119	32.3	25.0	37.6





#59
m/p-Xylene
Concen: 0.165 ppbv m
RT: 9.522 min Scan# 2
Delta R.T. -0.020 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

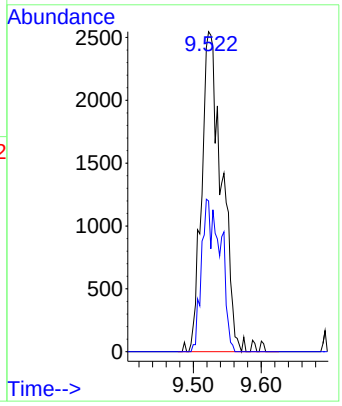
Tgt Ion: 91 Resp: 528

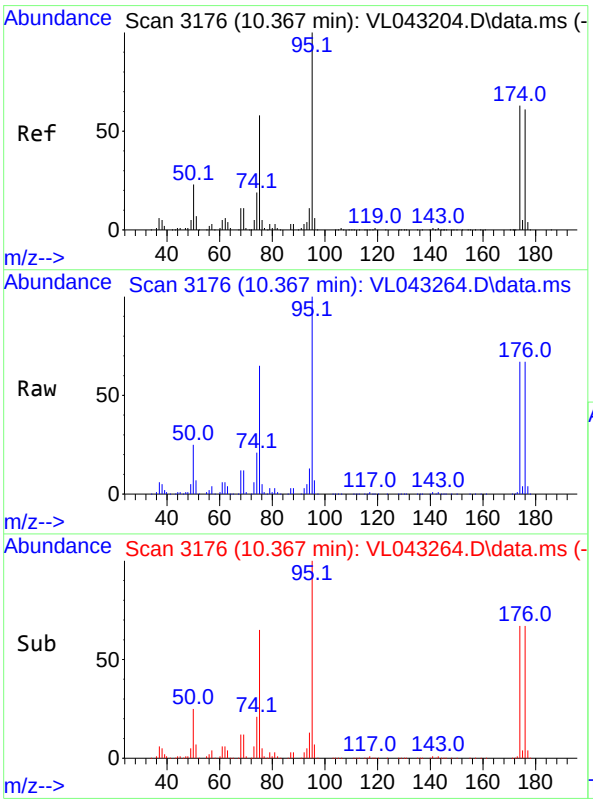
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

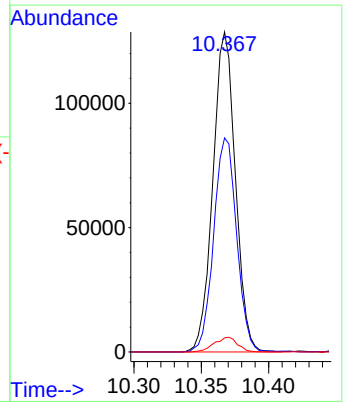


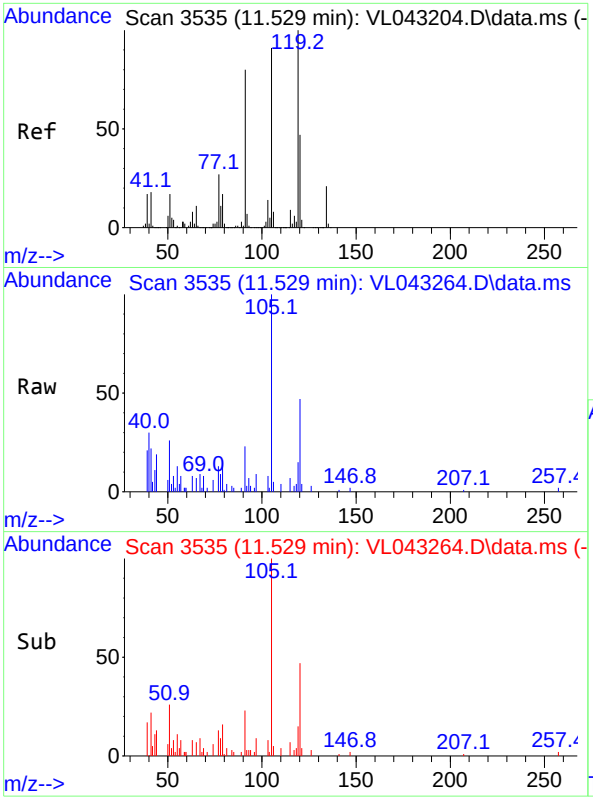


#68
1-Bromo-4-Fluorobenzene
Concen: 9.811 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 95 Resp: 149369

Ion	Ratio	Lower	Upper
95	100		
174	68.6	50.2	75.2
175	4.8	4.1	6.1

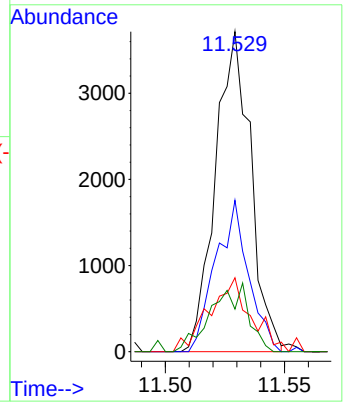




#74
1,2,4-Trimethylbenzene
Concen: 0.107 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:105 Resp: 381

Ion	Ratio	Lower	Upper
105	100		
120	47.3	41.7	62.5
91	20.1	70.0	105.0#
77	13.3	23.8	35.8#



Instrument :
MSVOA_L
ClientSampleId :
SG-4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-5	SDG No.:	Q3655
Lab Sample ID:	Q3655-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.57	2.82	J	2	1.09	4.94	11/20/25 15:06	VL112025
74-87-3	Chloromethane	0.81	1.67	J	2	0.41	2.07	11/20/25 15:06	VL112025
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/20/25 15:06	VL112025
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/20/25 15:06	VL112025
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/20/25 15:06	VL112025
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/20/25 15:06	VL112025
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/20/25 15:06	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/20/25 15:06	VL112025
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/20/25 15:06	VL112025
75-65-0	tert-Butyl alcohol	0.32	0.97	U	2	0.97	3.03	11/20/25 15:06	VL112025
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/20/25 15:06	VL112025
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/20/25 15:06	VL112025
67-64-1	Acetone	9.30	22.1		2	0.86	2.38	11/20/25 15:06	VL112025
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/20/25 15:06	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/20/25 15:06	VL112025
75-09-2	Methylene Chloride	2.00	6.95		2	1.60	3.47	11/20/25 15:06	VL112025
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/20/25 15:06	VL112025
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/20/25 15:06	VL112025
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/20/25 15:06	VL112025
78-93-3	2-Butanone	3.40	10.0		2	0.32	2.95	11/20/25 15:06	VL112025
56-23-5	Carbon Tetrachloride	0.080	0.50		2	0.31	0.38	11/20/25 15:06	VL112025
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/20/25 15:06	VL112025
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/20/25 15:06	VL112025
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/20/25 15:06	VL112025
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/20/25 15:06	VL112025
71-43-2	Benzene	0.29	0.93	J	2	0.51	3.19	11/20/25 15:06	VL112025
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/20/25 15:06	VL112025
79-01-6	Trichloroethene	0.070	0.38		2	0.27	0.32	11/20/25 15:06	VL112025
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/20/25 15:06	VL112025
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/20/25 15:06	VL112025
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/20/25 15:06	VL112025
108-88-3	Toluene	1.60	6.03		2	1.21	3.77	11/20/25 15:06	VL112025
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/20/25 15:06	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/20/25 15:06	VL112025
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/20/25 15:06	VL112025
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/20/25 15:06	VL112025
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/20/25 15:06	VL112025
127-18-4	Tetrachloroethene	3.50	23.7		2	0.20	0.41	11/20/25 15:06	VL112025
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/20/25 15:06	VL112025
100-41-4	Ethyl Benzene	0.56	2.43	J	2	1.65	4.34	11/20/25 15:06	VL112025
179601-23-1	m/p-Xylene	2.20	9.56		2	3.56	8.69	11/20/25 15:06	VL112025
95-47-6	o-Xylene	0.72	3.13	J	2	1.82	4.34	11/20/25 15:06	VL112025
100-42-5	Styrene	3.80	16.2		2	1.36	4.26	11/20/25 15:06	VL112025
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/20/25 15:06	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/20/25 15:06	VL112025
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/20/25 15:06	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-5	SDG No.:	Q3655
Lab Sample ID:	Q3655-05	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 15:06	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.84	4.13	J	2	1.77	4.92	11/20/25 15:06	VL112025
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01	11/20/25 15:06	VL112025
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 15:06	VL112025
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 15:06	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42	11/20/25 15:06	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7	11/20/25 15:06	VL112025
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21	11/20/25 15:06	VL112025
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05	11/20/25 15:06	VL112025
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92	11/20/25 15:06	VL112025
110-54-3	Hexane	0.95	3.35	J	2	1.13	3.52	11/20/25 15:06	VL112025
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13	11/20/25 15:06	VL112025
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60	11/20/25 15:06	VL112025
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09	11/20/25 15:06	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.5				70 (65) - 130 (135)	105% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	104000							
540-36-3	1,4-Difluorobenzene	273000							
3114-55-4	Chlorobenzene-d5	215000							

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\VL112025\
Data File : VL043265.D
Acq On : 20 Nov 2025 15:06
Operator : SY/MD
Sample : Q3655-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	104404	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	273214	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	215431	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	166134	10.521	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4231	0.287	ppbv	#	83
4) Chloromethane	1.531	50	2226	0.404	ppbv		94
9) Propene	1.489	41	1663	0.270	ppbv	#	1
11) Trichlorofluoromethane	1.877	101	1972m	0.138	ppbv		
13) Ethanol	1.722	45	11522	5.328	ppbv		98
15) Acetone	1.835	43	67707	4.668	ppbv		97
17) tert-Butyl alcohol	2.039	59	2906m	0.153	ppbv		
19) Isopropyl Alcohol	1.884	45	18854	2.300	ppbv	#	21
20) Methylene Chloride	2.062	84	7368	1.019	ppbv		96
26) Hexane	2.826	57	6491	0.473	ppbv	#	48
34) 2-Butanone	2.554	43	33252	1.724	ppbv		98
35) Carbon Tetrachloride	3.758	117	870m	0.042	ppbv		
36) Benzene	3.651	78	3758m	0.144	ppbv		
38) Trichloroethene	4.538	130	337m	0.033	ppbv		
52) Tetrachloroethene	8.218	164	16991	1.746	ppbv		91
53) Toluene	6.920	91	25000m	0.807	ppbv		
58) Ethyl Benzene	9.351	91	11600	0.280	ppbv		98
59) m/p-Xylene	9.526	91	36295m	1.092	ppbv		
60) o-Xylene	9.956	91	11915	0.359	ppbv		91
61) Styrene	9.862	104	27380	1.884	ppbv		98
62) Isopropylbenzene	10.535	105	16584	0.279	ppbv		99
69) p-Isopropyltoluene	11.917	119	9686	0.154	ppbv		95
73) 1,3,5-Trimethylbenzene	11.192	105	3434m	0.101	ppbv		
74) 1,2,4-Trimethylbenzene	11.529	105	15609	0.421	ppbv	#	54

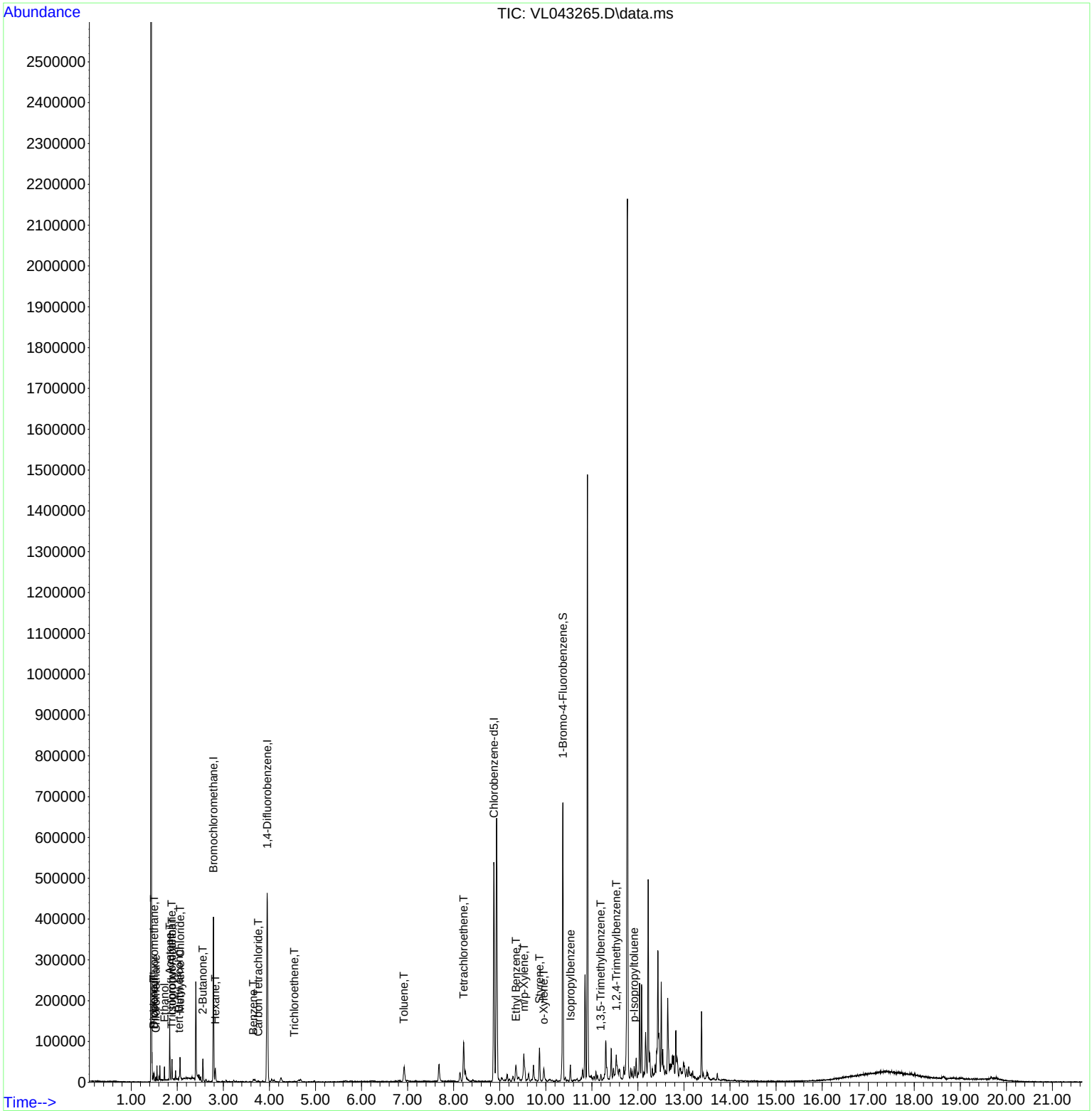
(#) = qualifier out of range (m) = manual integration (+) = signals summed

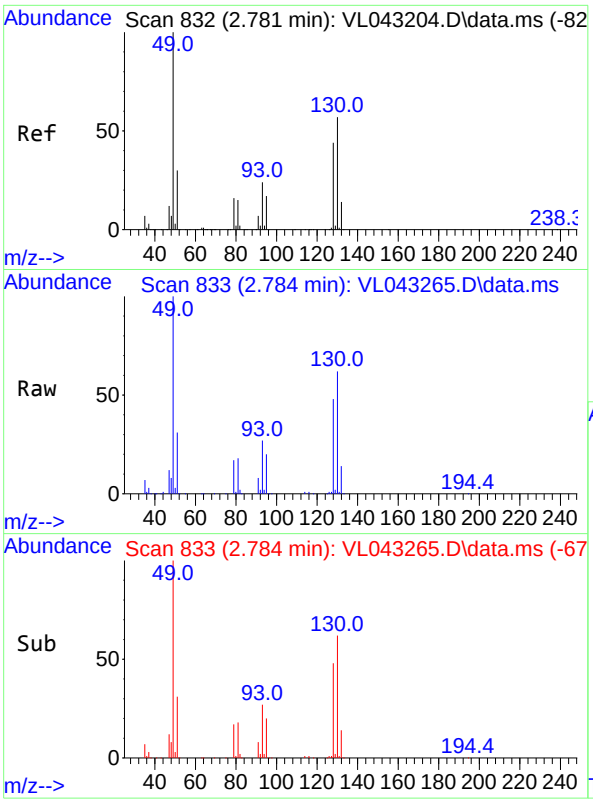
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043265.D
Acq On : 20 Nov 2025 15:06
Operator : SY/MD
Sample : Q3655-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

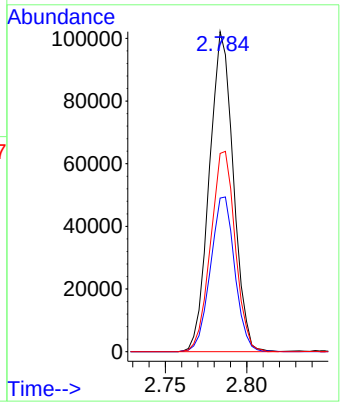




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 49 Resp: 10440

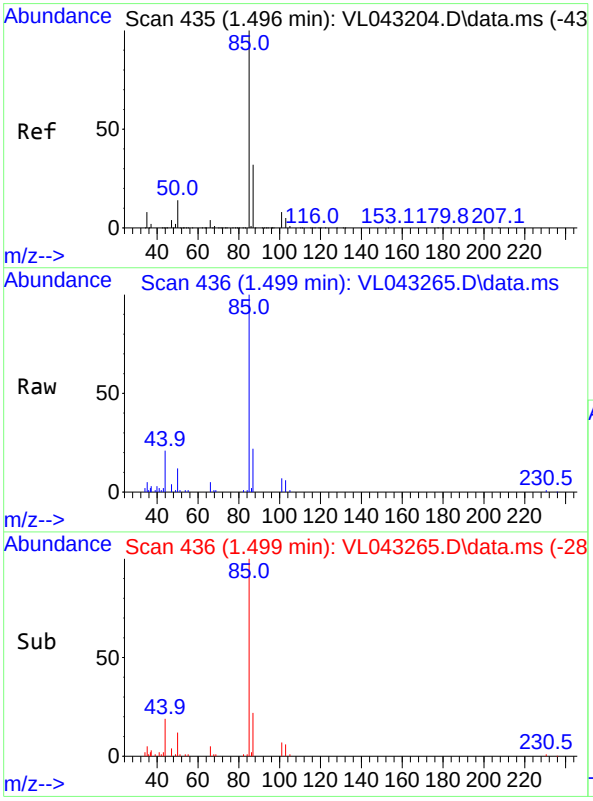
Ion	Ratio	Lower	Upper
49	100		
128	49.0	23.0	69.0
130	64.2	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

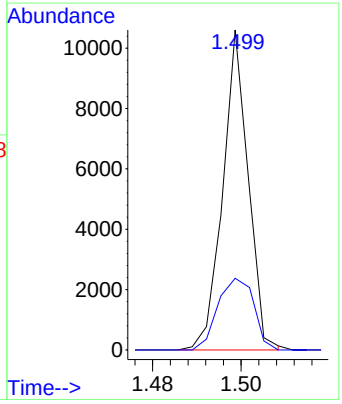
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

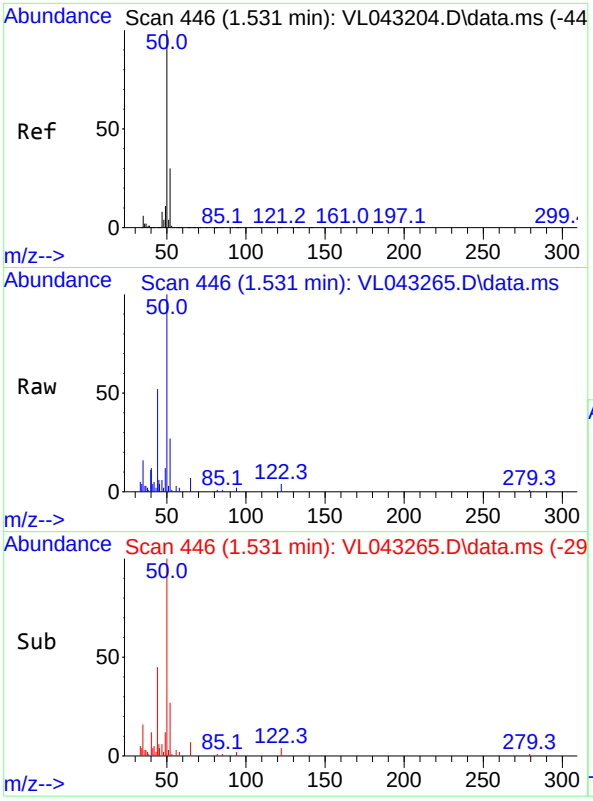


#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 85 Resp: 4231

Ion	Ratio	Lower	Upper
85	100		
87	22.4	25.4	38.2#

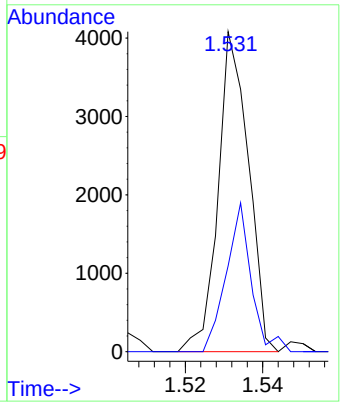




#4
Chloromethane
Concen: 0.404 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 50 Resp: 222

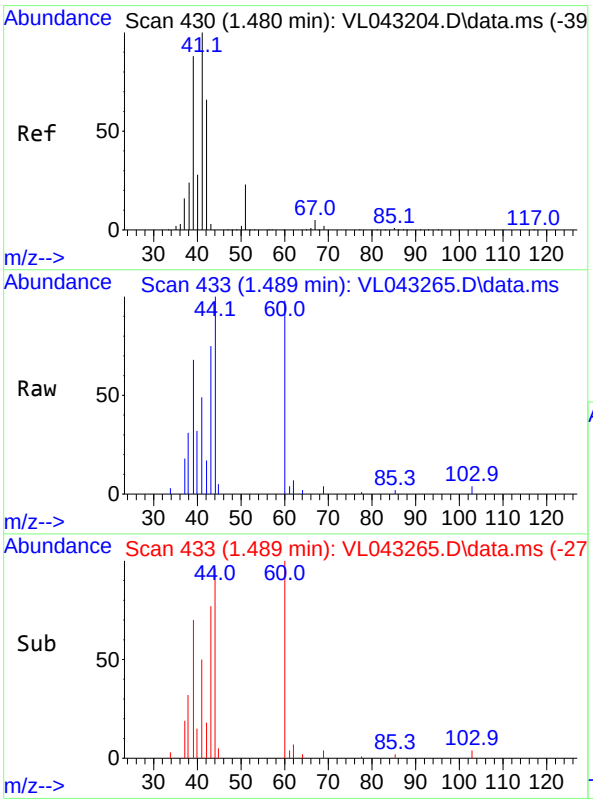
Ion	Ratio	Lower	Upper
50	100		
52	26.8	24.1	36.1



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

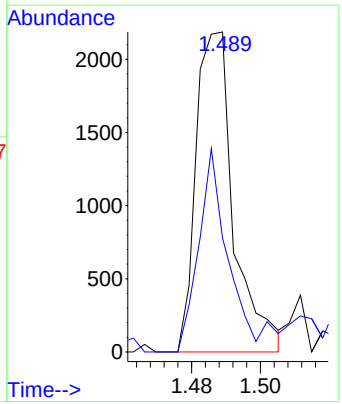
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

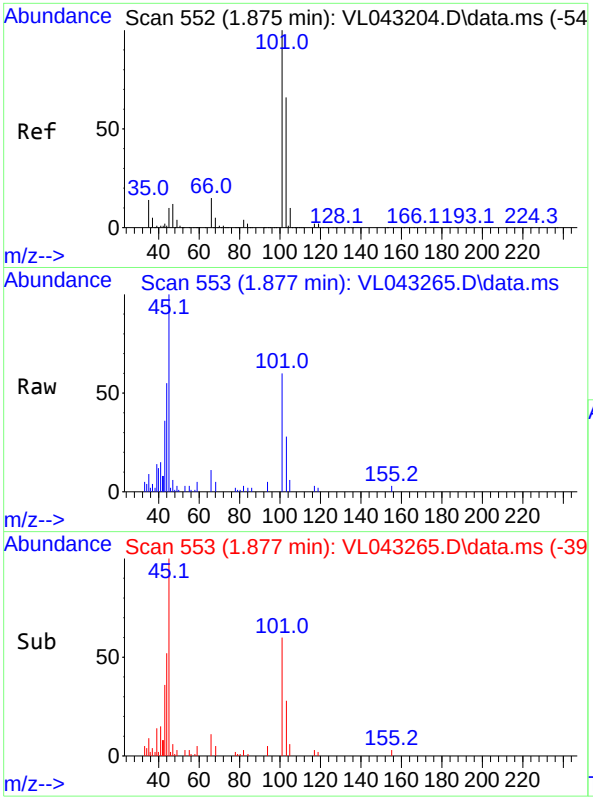


#9
Propene
Concen: 0.270 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.009 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 41 Resp: 1663

Ion	Ratio	Lower	Upper
41	100		
42	64.6	3.7	5.5#

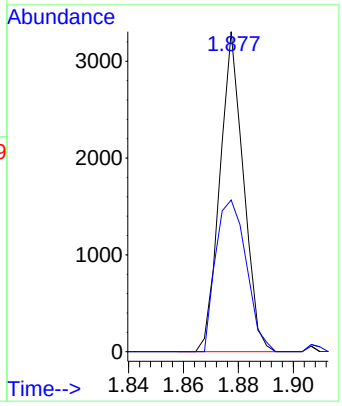




#11
Trichlorofluoromethane
Concen: 0.138 ppbv m
RT: 1.877 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:101 Resp: 197

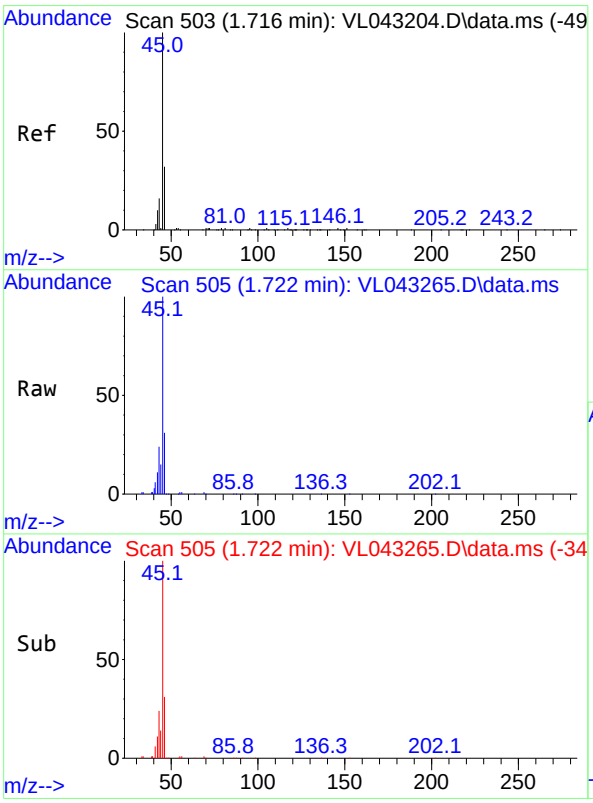
Ion	Ratio	Lower	Upper
101	100		
103	47.4	52.6	79.0#



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

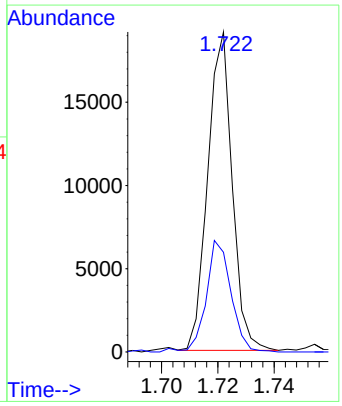
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

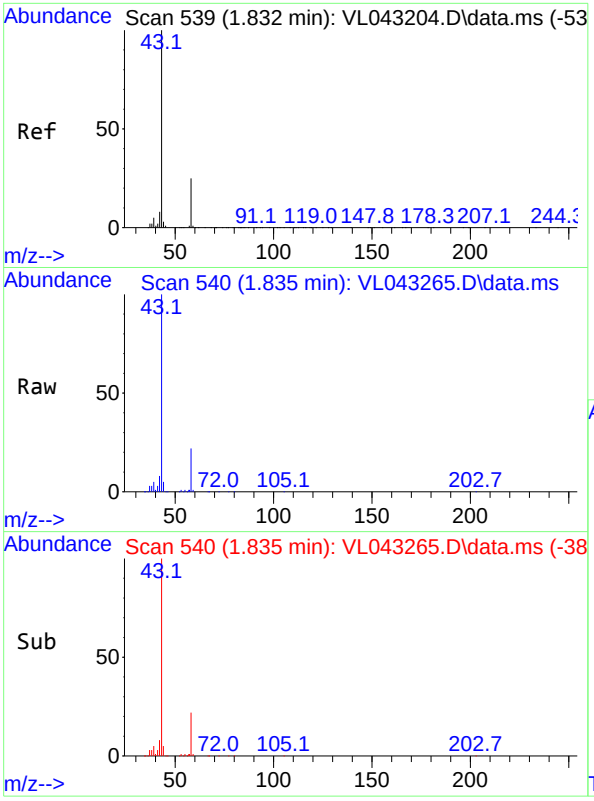


#13
Ethanol
Concen: 5.328 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 45 Resp: 11522

Ion	Ratio	Lower	Upper
45	100		
46	36.0	15.0	59.8

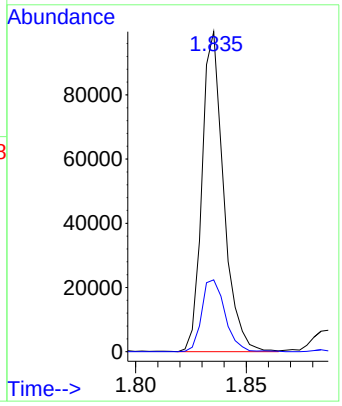




#15
Acetone
Concen: 4.668 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 43 Resp: 6770

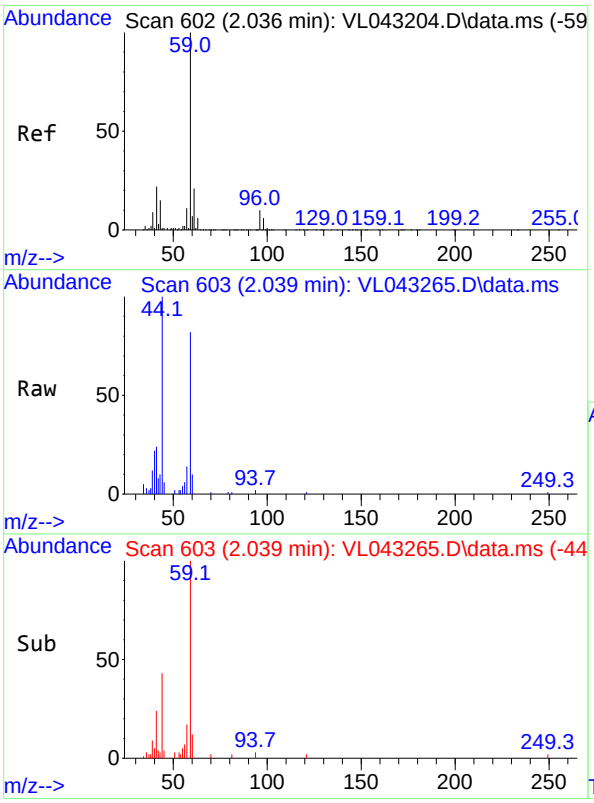
Ion	Ratio	Lower	Upper
43	100		
58	24.3	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

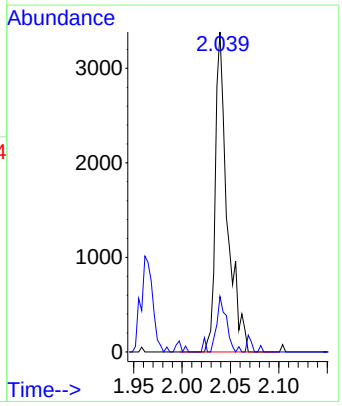
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

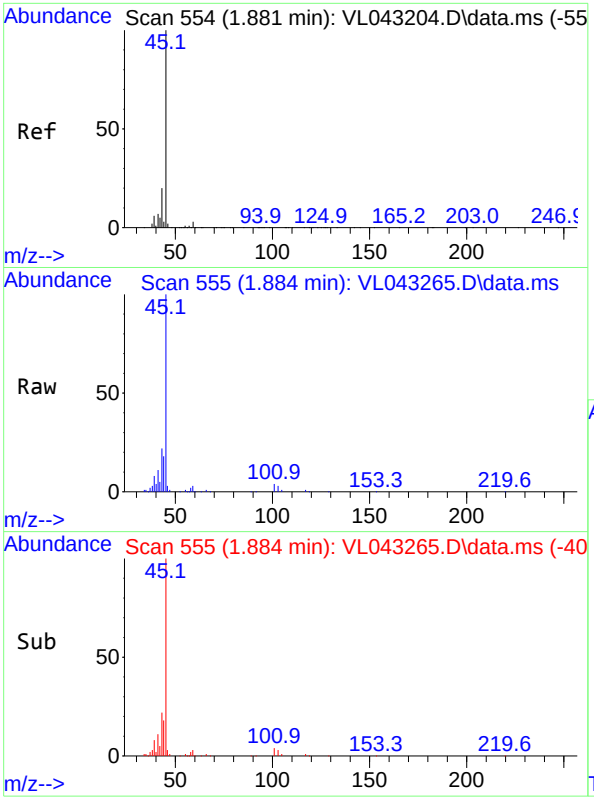


#17
tert-Butyl alcohol
Concen: 0.153 ppbv m
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 59 Resp: 2906

Ion	Ratio	Lower	Upper
59	100		
57	15.0	9.0	13.4#

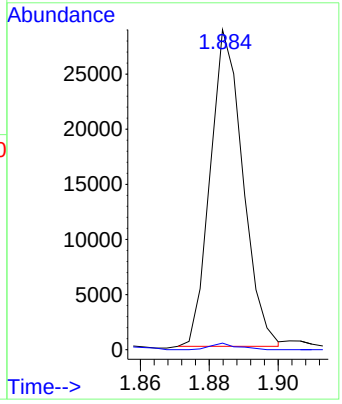




#19
Isopropyl Alcohol
Concen: 2.300 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 45 Resp: 1885

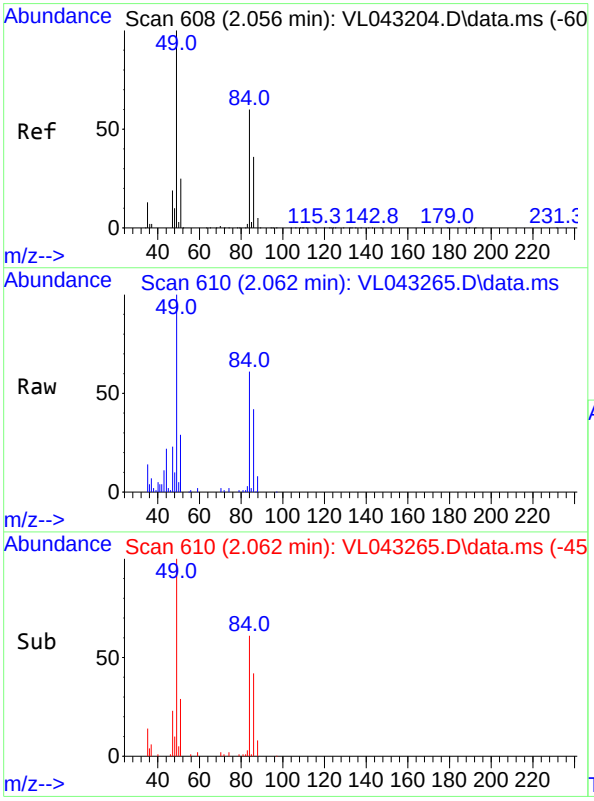
Ion	Ratio	Lower	Upper
45	100		
58	87.3	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

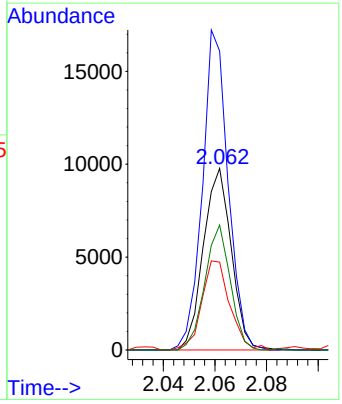
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

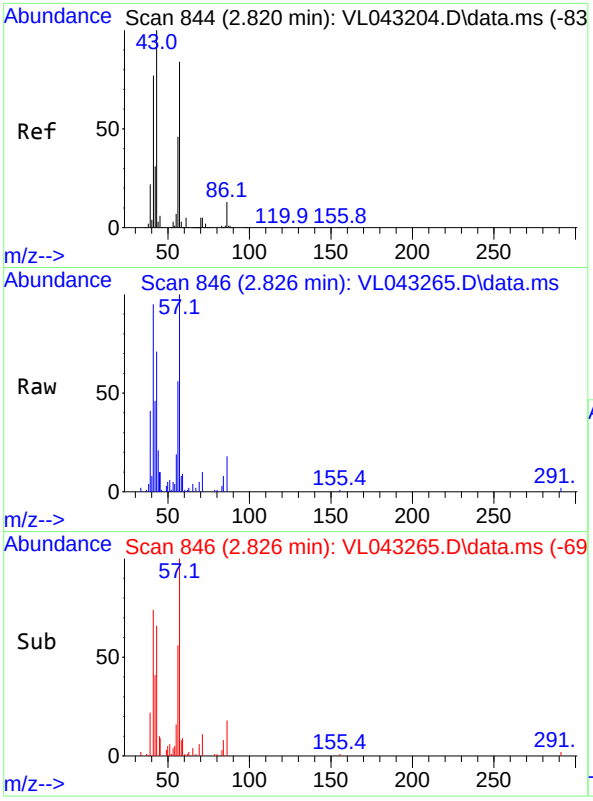


#20
Methylene Chloride
Concen: 1.019 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 84 Resp: 7368

Ion	Ratio	Lower	Upper
84	100		
49	164.7	132.9	199.3
51	47.7	34.8	52.2
86	68.9	48.2	72.2

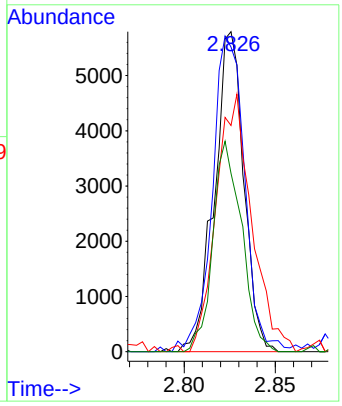




#26
Hexane
Concen: 0.473 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 57 Resp: 649

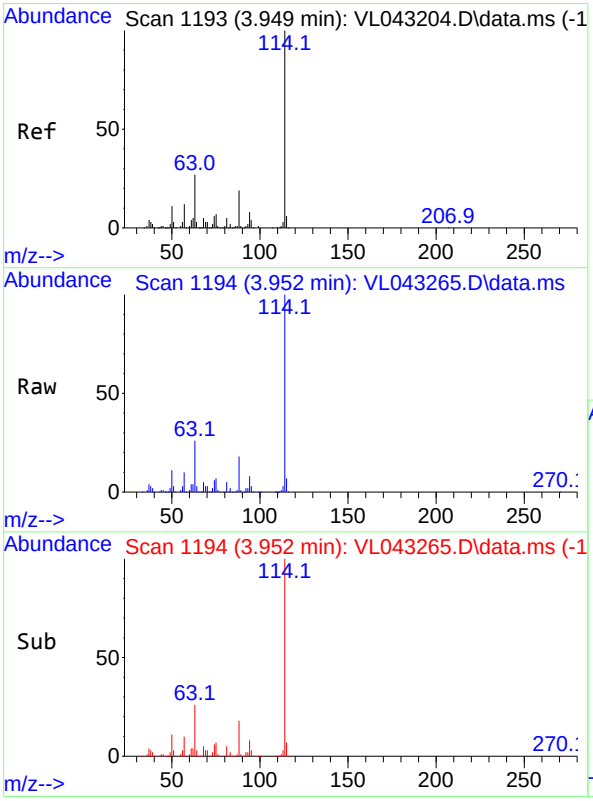
Ion	Ratio	Lower	Upper
57	100		
41	108.9	74.6	111.8
43	101.1	179.0	268.4#
56	64.4	42.3	63.5#



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

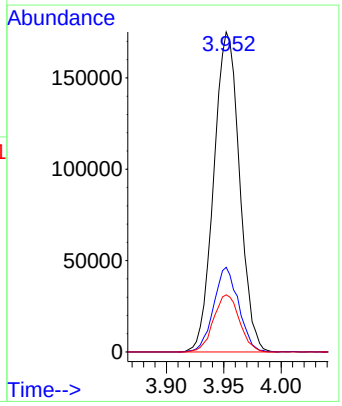
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

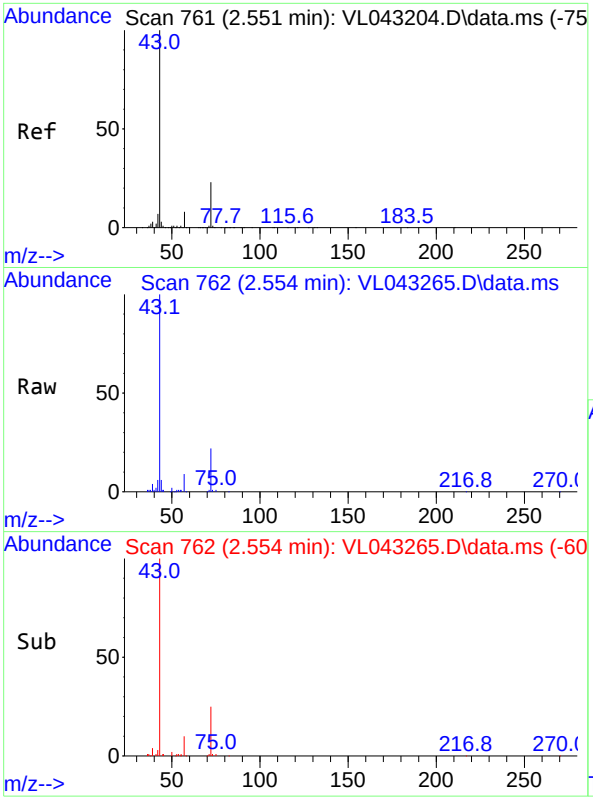


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:114 Resp: 273214

Ion	Ratio	Lower	Upper
114	100		
63	25.8	21.0	31.6
88	18.0	14.9	22.3

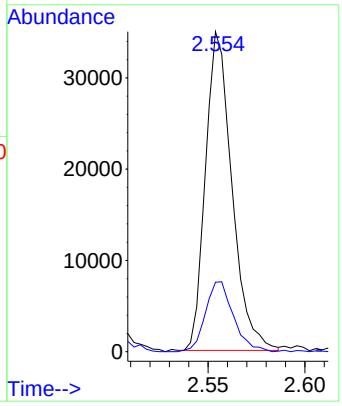




#34
2-Butanone
Concen: 1.724 ppbv
RT: 2.554 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 43 Resp: 3325

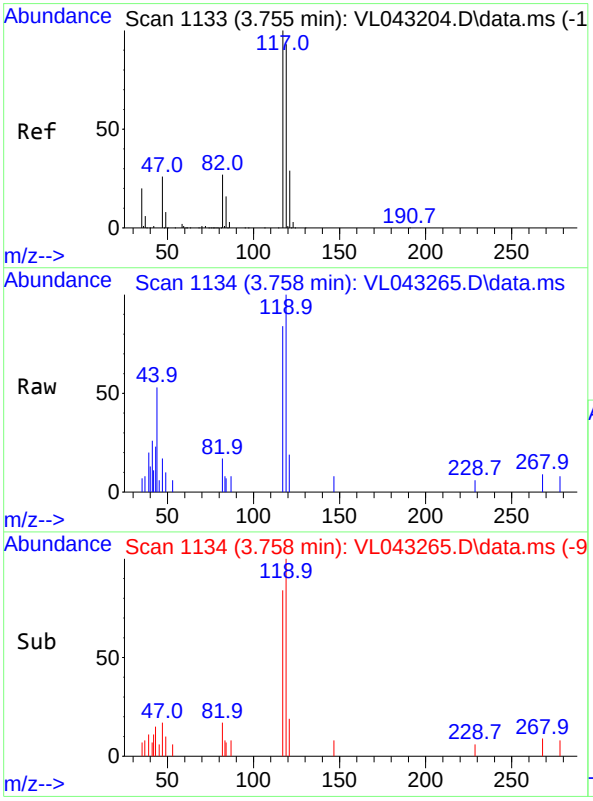
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

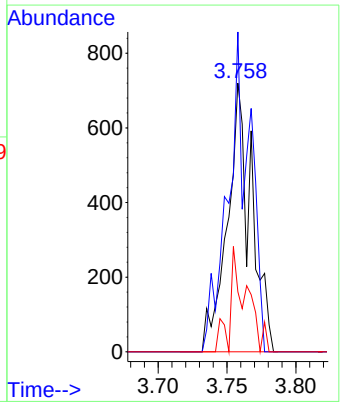
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

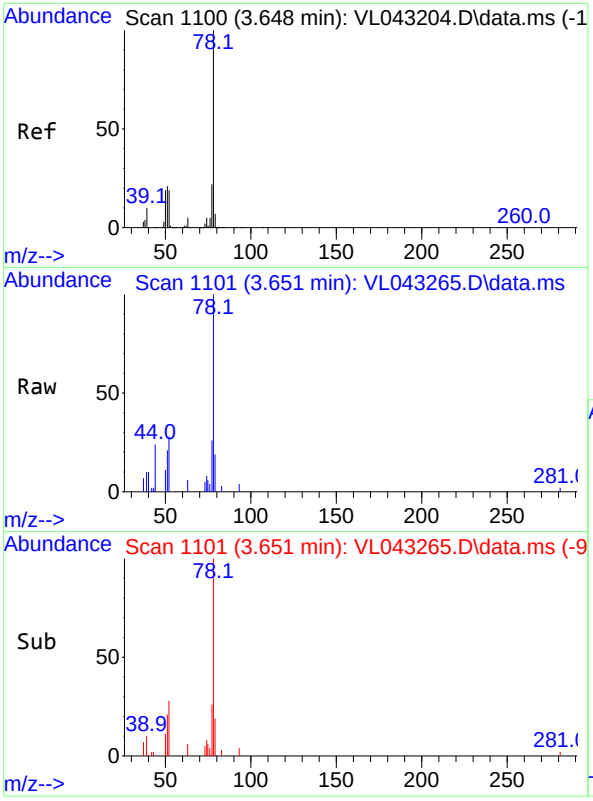


#35
Carbon Tetrachloride
Concen: 0.042 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:117 Resp: 870

Ion	Ratio	Lower	Upper
117	100		
119	119.0	74.6	112.0#
121	22.4	23.2	34.8#

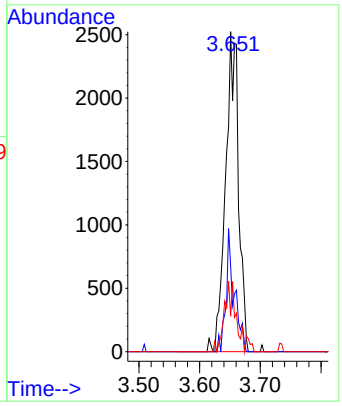




#36
Benzene
Concen: 0.144 ppbv m
RT: 3.651 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 78 Resp: 375

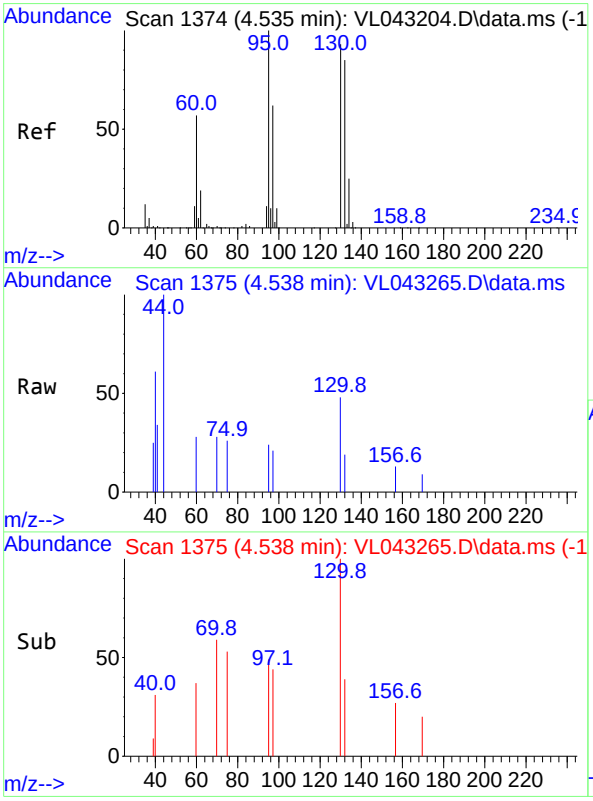
Ion	Ratio	Lower	Upper
78	100		
77	26.4	17.5	26.3#
50	11.1	15.5	23.3#



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

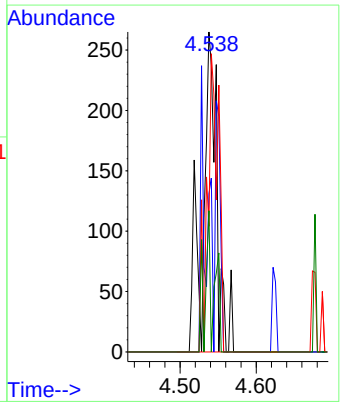
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

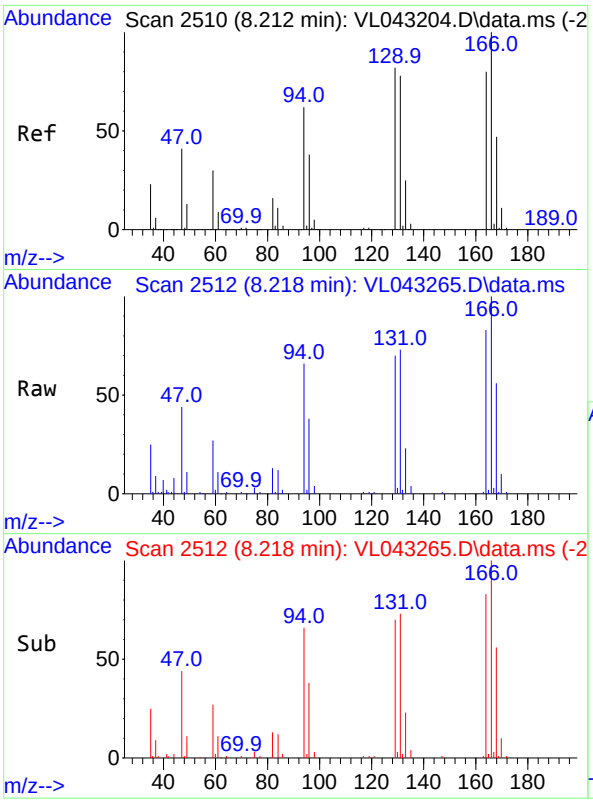


#38
Trichloroethene
Concen: 0.033 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:130 Resp: 337

Ion	Ratio	Lower	Upper
130	100		
95	49.4	85.7	128.5#
132	39.2	73.4	110.0#
97	44.2	52.7	79.1#

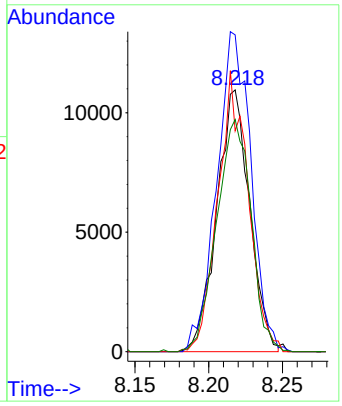




#52
Tetrachloroethene
Concen: 1.746 ppbv
RT: 8.218 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:164 Resp: 1699

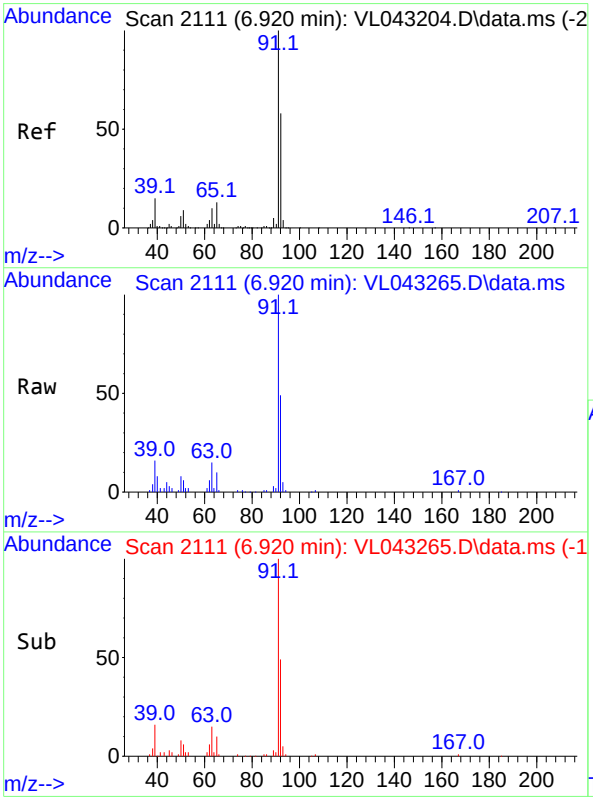
Ion	Ratio	Lower	Upper
164	100		
166	121.0	99.4	149.2
129	84.4	81.8	122.8
131	88.7	77.4	116.2



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

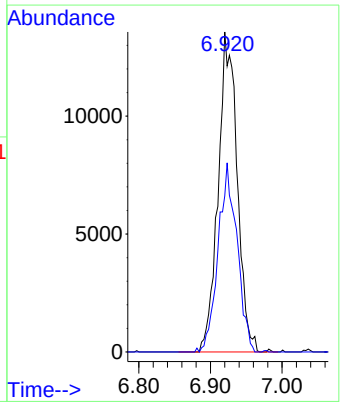
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

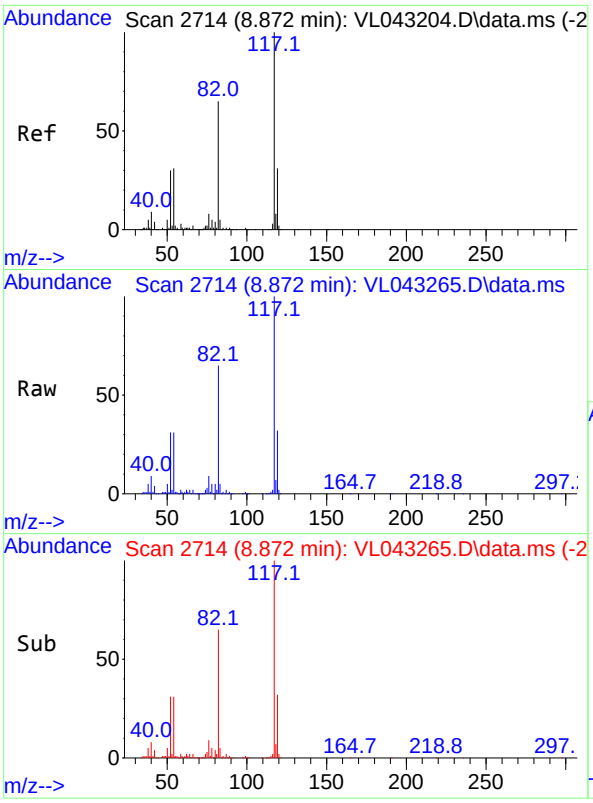


#53
Toluene
Concen: 0.807 ppbv m
RT: 6.920 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 91 Resp: 25000

Ion	Ratio	Lower	Upper
91	100		
92	58.6	47.4	71.0

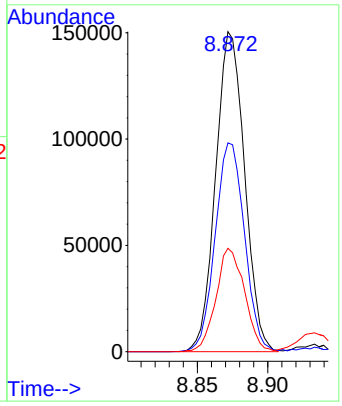




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:117 Resp: 21543

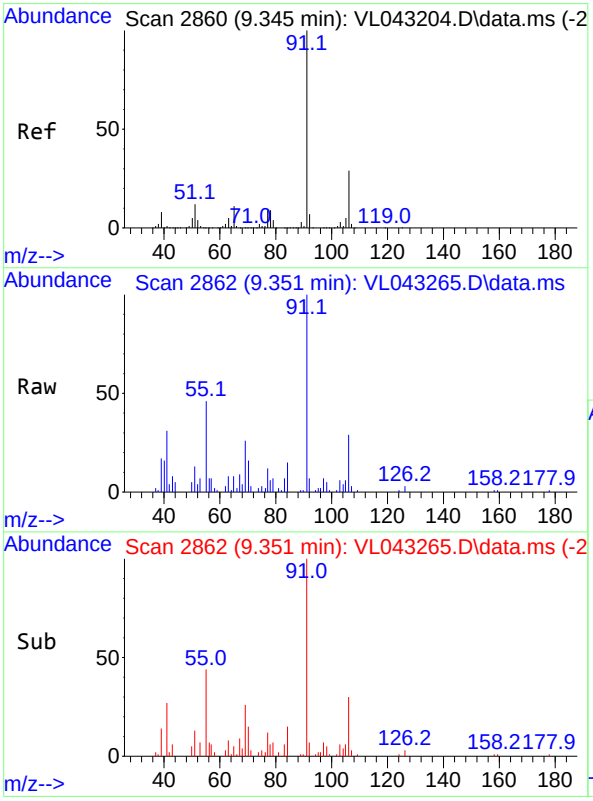
Ion	Ratio	Lower	Upper
117	100		
82	66.4	56.1	84.1
119	32.1	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

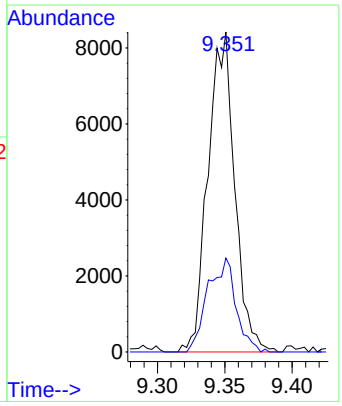
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

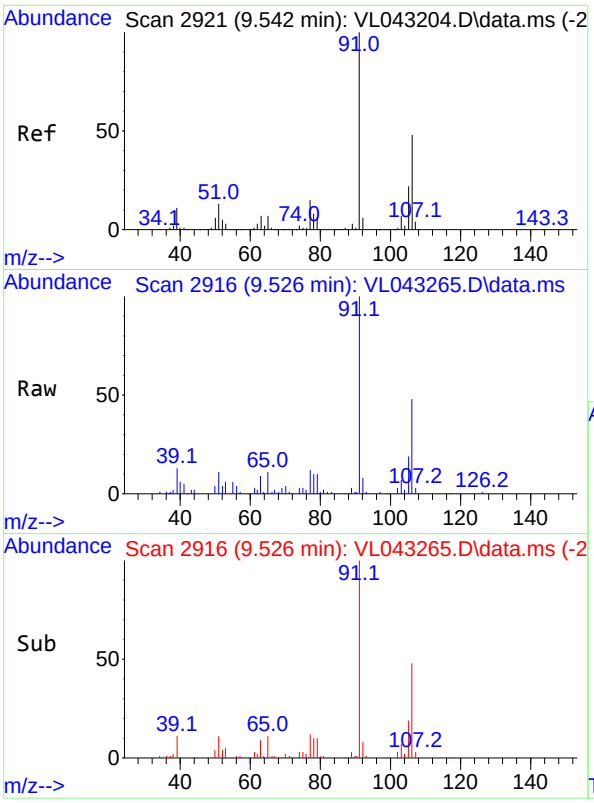


#58
Ethyl Benzene
Concen: 0.280 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 91 Resp: 11600

Ion	Ratio	Lower	Upper
91	100		
106	29.3	22.8	34.2

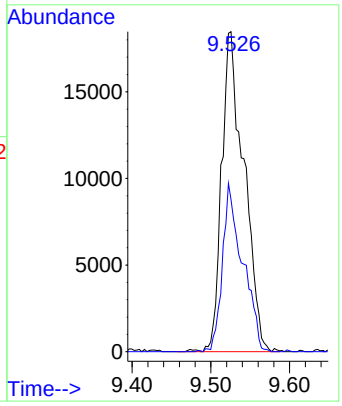




#59
m/p-Xylene
Concen: 1.092 ppbv m
RT: 9.526 min Scan# 2
Delta R.T. -0.017 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 91 Resp: 3629

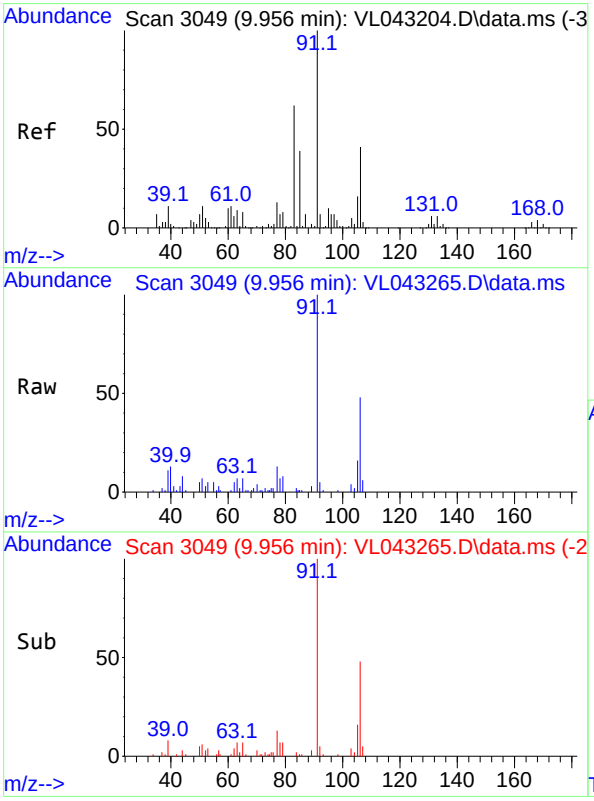
Ion	Ratio	Lower	Upper
91	100		
106	47.5	36.1	54.1



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

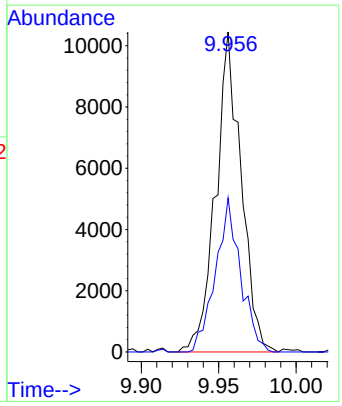
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

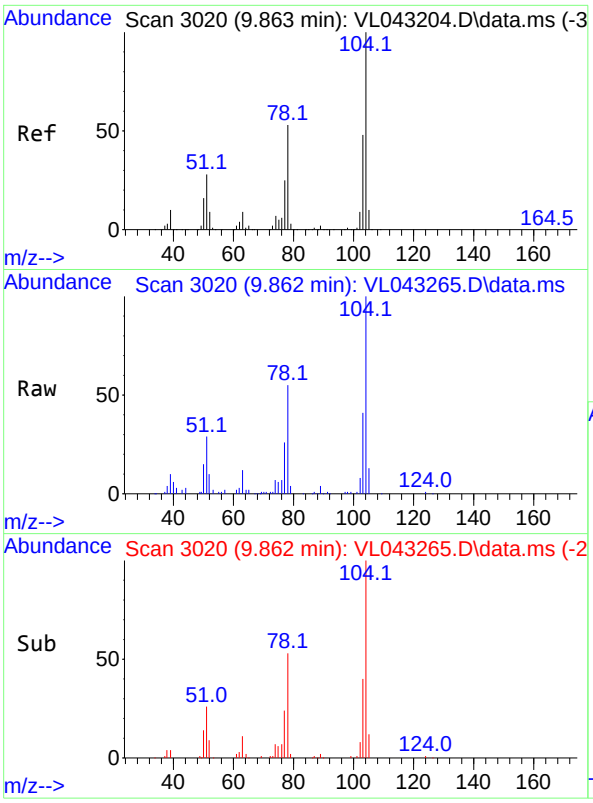


#60
o-Xylene
Concen: 0.359 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 91 Resp: 11915

Ion	Ratio	Lower	Upper
91	100		
106	47.7	20.9	62.8

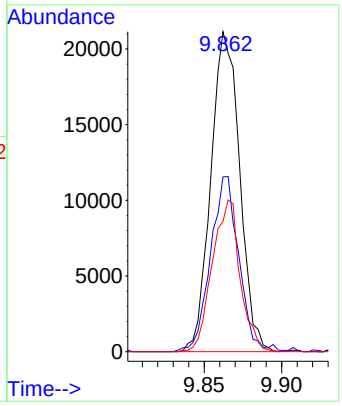




#61
Styrene
Concen: 1.884 ppbv
RT: 9.862 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:104 Resp: 2738

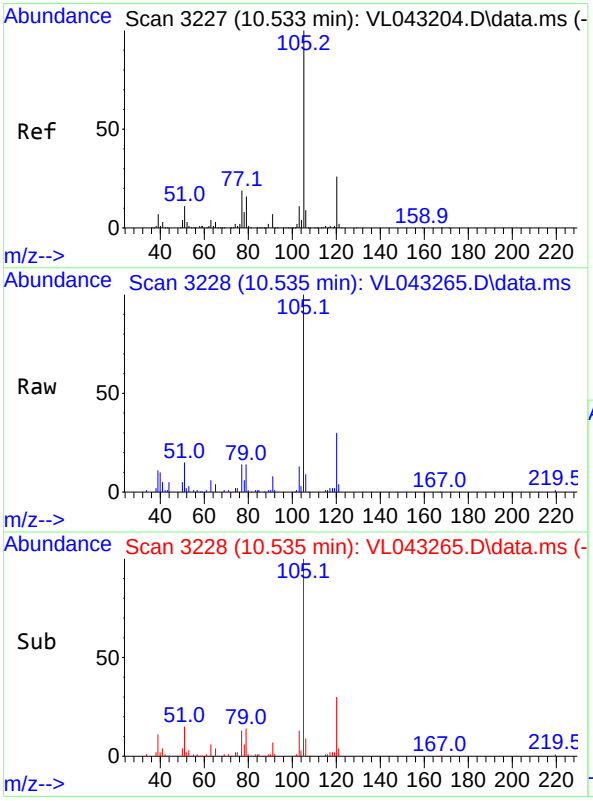
Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.1	63.1
103	45.6	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

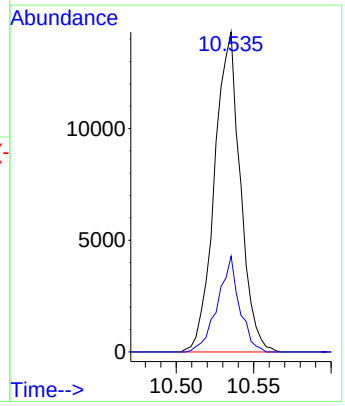
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

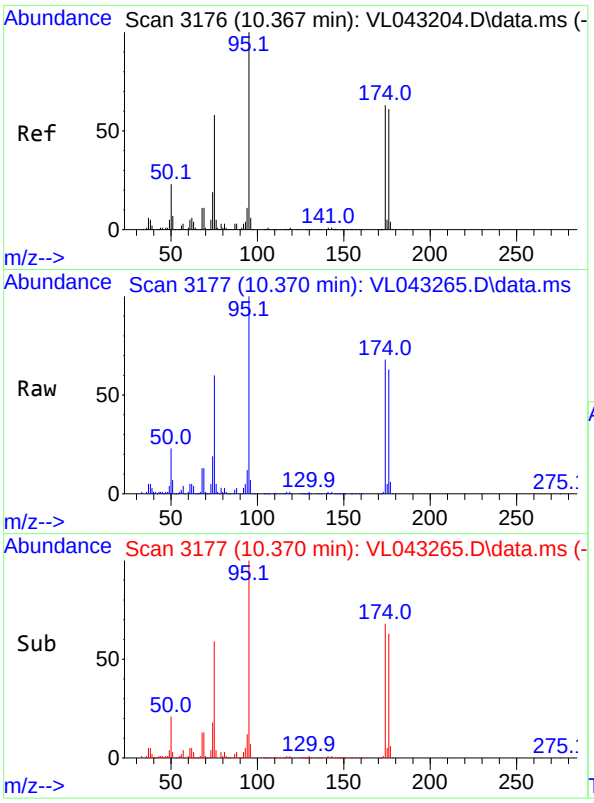


#62
Isopropylbenzene
Concen: 0.279 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:105 Resp: 16584

Ion	Ratio	Lower	Upper
105	100		
120	25.4	19.8	29.8

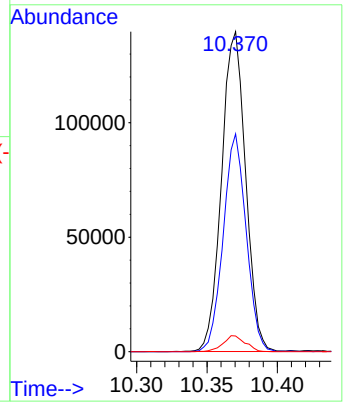




#68
1-Bromo-4-Fluorobenzene
Concen: 10.521 ppbv
RT: 10.370 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 95 Resp: 16613

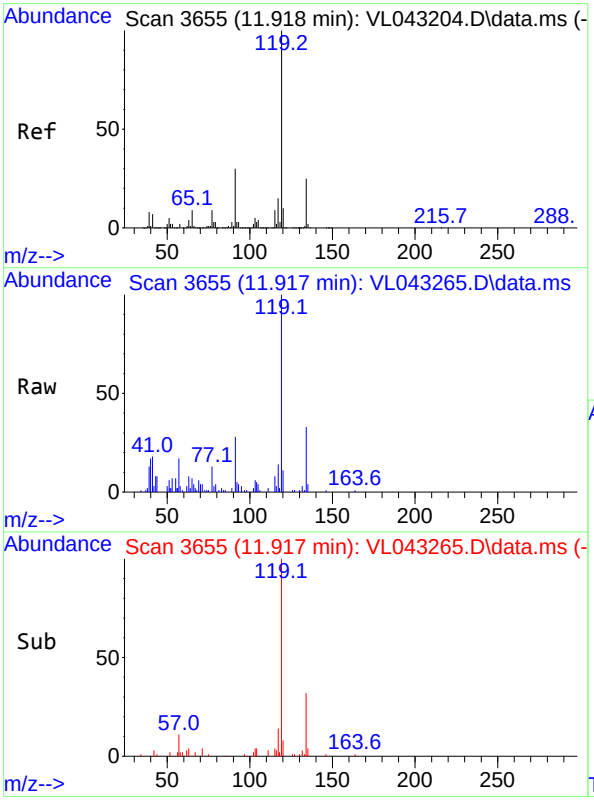
Ion	Ratio	Lower	Upper
95	100		
174	65.1	50.2	75.2
175	4.7	4.1	6.1



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

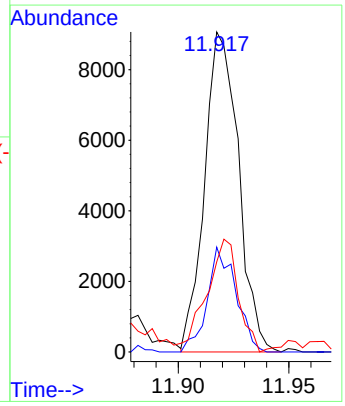
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

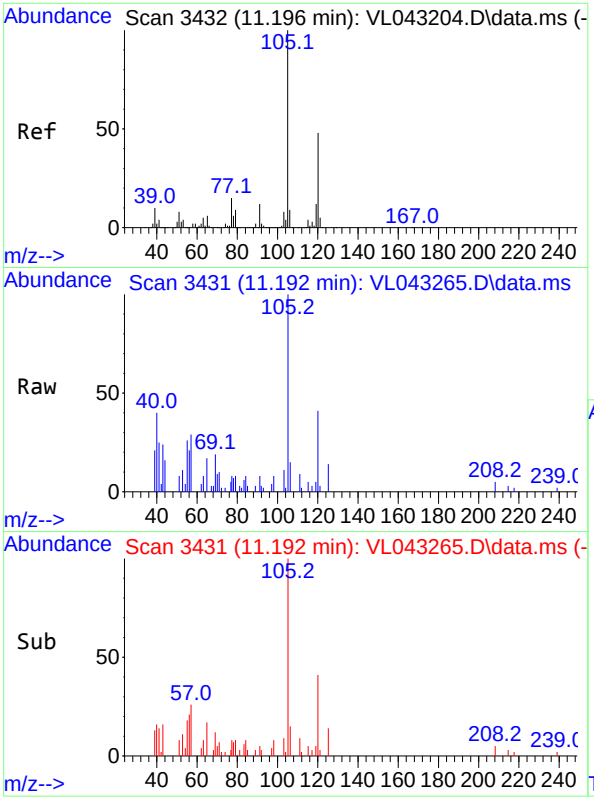


#69
p-Isopropyltoluene
Concen: 0.154 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:119 Resp: 9686

Ion	Ratio	Lower	Upper
119	100		
134	27.8	20.2	30.2
91	32.2	23.8	35.8

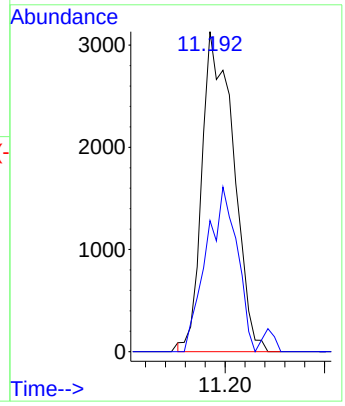




#73
1,3,5-Trimethylbenzene
Concen: 0.101 ppbv m
RT: 11.192 min Scan# 34
Delta R.T. -0.004 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:105 Resp: 3434

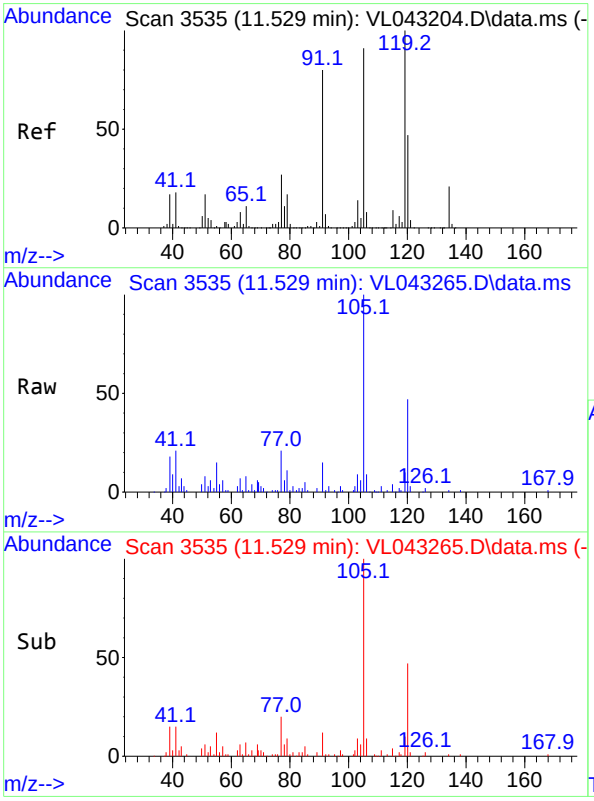
Ion	Ratio	Lower	Upper
105	100		
120	41.0	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
SG-5

Manual Integrations
APPROVED

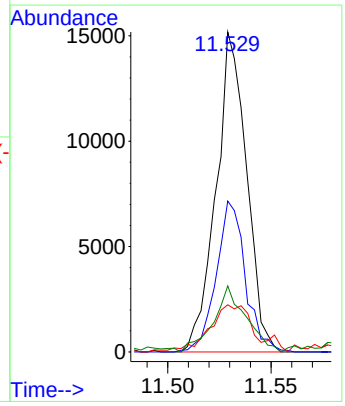
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.421 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:105 Resp: 15609

Ion	Ratio	Lower	Upper
105	100		
120	46.6	41.7	62.5
91	13.7	70.0	105.0#
77	20.7	23.8	35.8#



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-6	SDG No.:	Q3655
Lab Sample ID:	Q3655-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.58	2.87	J	2	1.09	4.94	11/20/25 15:40	VL112025
74-87-3	Chloromethane	0.40	0.83	J	2	0.41	2.07	11/20/25 15:40	VL112025
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/20/25 15:40	VL112025
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/20/25 15:40	VL112025
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/20/25 15:40	VL112025
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/20/25 15:40	VL112025
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/20/25 15:40	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/20/25 15:40	VL112025
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/20/25 15:40	VL112025
75-65-0	tert-Butyl alcohol	0.32	0.97	U	2	0.97	3.03	11/20/25 15:40	VL112025
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/20/25 15:40	VL112025
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/20/25 15:40	VL112025
67-64-1	Acetone	5.20	12.3		2	0.86	2.38	11/20/25 15:40	VL112025
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/20/25 15:40	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/20/25 15:40	VL112025
75-09-2	Methylene Chloride	3.40	11.8		2	1.60	3.47	11/20/25 15:40	VL112025
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/20/25 15:40	VL112025
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/20/25 15:40	VL112025
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/20/25 15:40	VL112025
78-93-3	2-Butanone	0.61	1.80	J	2	0.32	2.95	11/20/25 15:40	VL112025
56-23-5	Carbon Tetrachloride	0.070	0.44		2	0.31	0.38	11/20/25 15:40	VL112025
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/20/25 15:40	VL112025
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/20/25 15:40	VL112025
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/20/25 15:40	VL112025
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/20/25 15:40	VL112025
71-43-2	Benzene	0.16	0.51	U	2	0.51	3.19	11/20/25 15:40	VL112025
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/20/25 15:40	VL112025
79-01-6	Trichloroethene	0.080	0.43		2	0.27	0.32	11/20/25 15:40	VL112025
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/20/25 15:40	VL112025
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/20/25 15:40	VL112025
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/20/25 15:40	VL112025
108-88-3	Toluene	1.30	4.90		2	1.21	3.77	11/20/25 15:40	VL112025
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/20/25 15:40	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/20/25 15:40	VL112025
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/20/25 15:40	VL112025
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/20/25 15:40	VL112025
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/20/25 15:40	VL112025
127-18-4	Tetrachloroethene	3.20	21.7		2	0.20	0.41	11/20/25 15:40	VL112025
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/20/25 15:40	VL112025
100-41-4	Ethyl Benzene	0.47	2.04	J	2	1.65	4.34	11/20/25 15:40	VL112025
179601-23-1	m/p-Xylene	2.00	8.69		2	3.56	8.69	11/20/25 15:40	VL112025
95-47-6	o-Xylene	0.66	2.87	J	2	1.82	4.34	11/20/25 15:40	VL112025
100-42-5	Styrene	3.60	15.3		2	1.36	4.26	11/20/25 15:40	VL112025
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/20/25 15:40	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/20/25 15:40	VL112025
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/20/25 15:40	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	11/17/25
Project:	Flair Cleaners	Date Received:	11/17/25
Client Sample ID:	SG-6	SDG No.:	Q3655
Lab Sample ID:	Q3655-06	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92	11/20/25 15:40	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.75	3.69	J	2	1.77	4.92	11/20/25 15:40	VL112025
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01	11/20/25 15:40	VL112025
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 15:40	VL112025
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01	11/20/25 15:40	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42	11/20/25 15:40	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7	11/20/25 15:40	VL112025
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21	11/20/25 15:40	VL112025
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05	11/20/25 15:40	VL112025
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92	11/20/25 15:40	VL112025
110-54-3	Hexane	2.40	8.46		2	1.13	3.52	11/20/25 15:40	VL112025
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13	11/20/25 15:40	VL112025
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60	11/20/25 15:40	VL112025
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09	11/20/25 15:40	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.4				70 (65) - 130 (135)	104% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	106000							
540-36-3	1,4-Difluorobenzene	276000							
3114-55-4	Chlorobenzene-d5	216000							

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\VL112025\
Data File : VL043266.D
Acq On : 20 Nov 2025 15:40
Operator : SY/MD
Sample : Q3655-06 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	106324	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.953	114	275978	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	215672	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.368	95	165012	10.438	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4354	0.290	ppbv		98
3) Chlorodifluoromethane	1.477	51	1778m	0.121	ppbv		
4) Chloromethane	1.535	50	1115	0.199	ppbv		92
9) Propene	1.486	41	1045	0.167	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	1990	0.137	ppbv		87
13) Ethanol	1.719	45	7758	3.523	ppbv	#	38
15) Acetone	1.836	43	38041	2.575	ppbv		95
19) Isopropyl Alcohol	1.884	45	15317	1.835	ppbv	#	69
20) Methylene Chloride	2.062	84	10245	1.702	ppbv		86
26) Hexane	2.823	57	16568	1.186	ppbv	#	42
34) 2-Butanone	2.558	43	5947	0.305	ppbv		99
35) Carbon Tetrachloride	3.762	117	698m	0.033	ppbv		
38) Trichloroethene	4.555	130	430m	0.042	ppbv		
52) Tetrachloroethene	8.218	164	15513	1.578	ppbv		94
53) Toluene	6.924	91	20292	0.648	ppbv		96
58) Ethyl Benzene	9.348	91	9732	0.234	ppbv	#	78
59) m/p-Xylene	9.523	91	33888m	1.018	ppbv		
60) o-Xylene	9.957	91	10915	0.328	ppbv		89
61) Styrene	9.866	104	26295	1.807	ppbv		97
62) Isopropylbenzene	10.533	105	10238	0.172	ppbv		92
69) p-Isopropyltoluene	11.918	119	9599	0.153	ppbv		92
74) 1,2,4-Trimethylbenzene	11.533	105	13894	0.375	ppbv	#	55

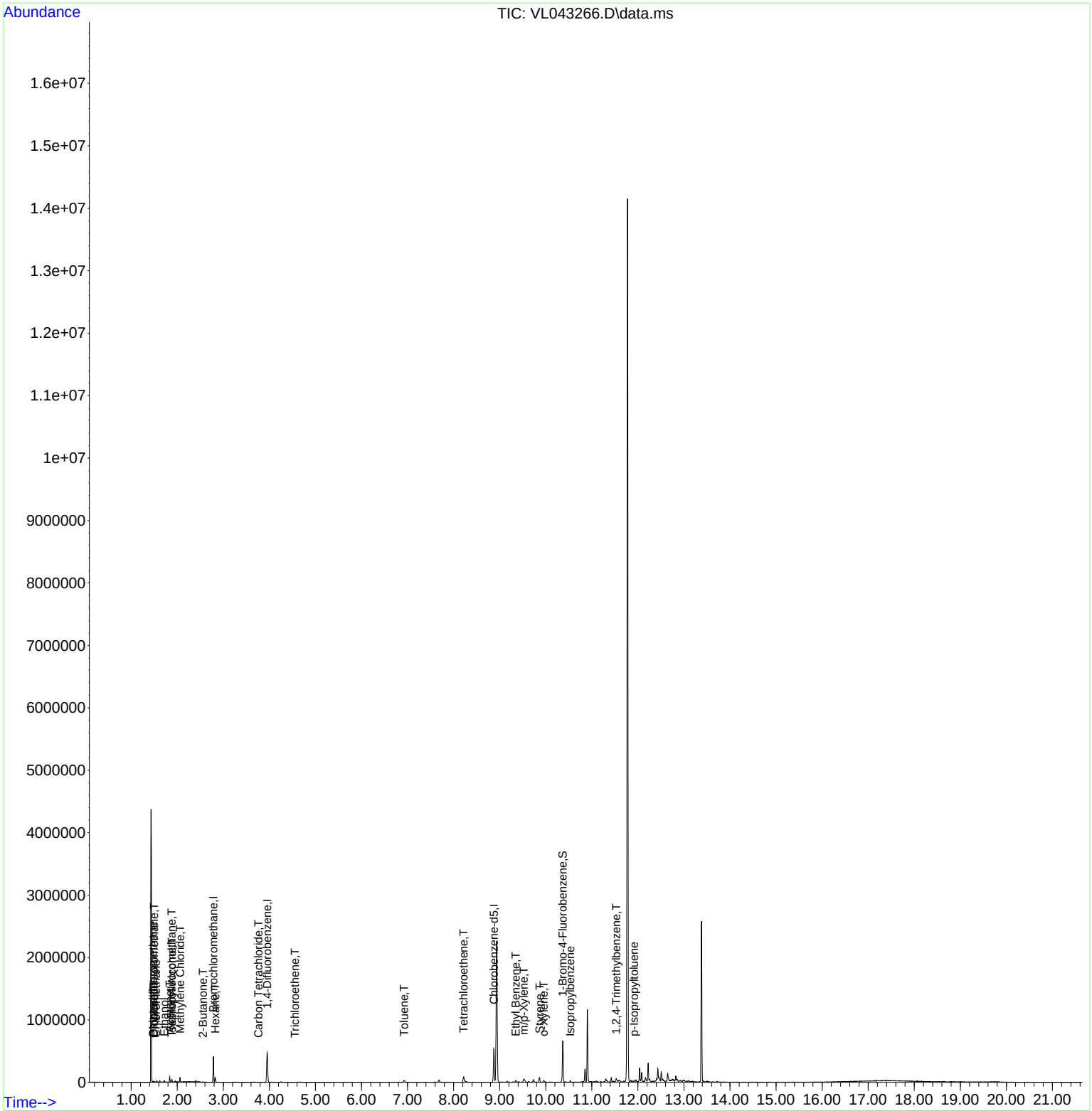
(#) = qualifier out of range (m) = manual integration (+) = signals summed

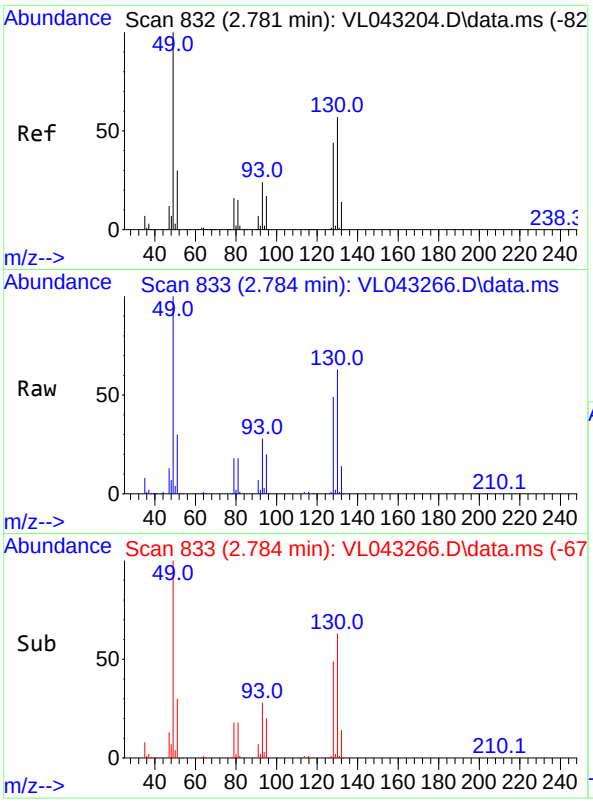
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043266.D
Acq On : 20 Nov 2025 15:40
Operator : SY/MD
Sample : Q3655-06 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

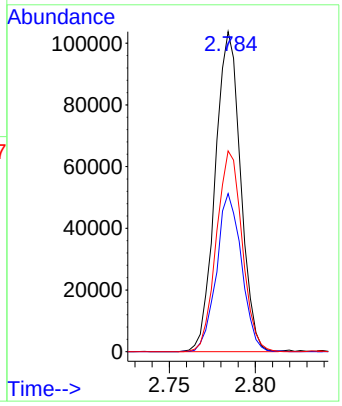




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 49 Resp: 10632

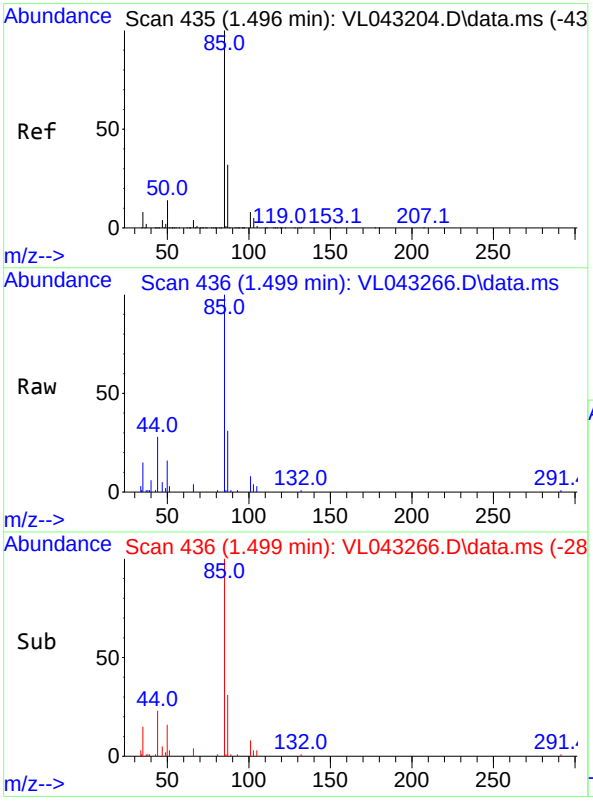
Ion	Ratio	Lower	Upper
49	100		
128	48.9	23.0	69.0
130	63.8	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

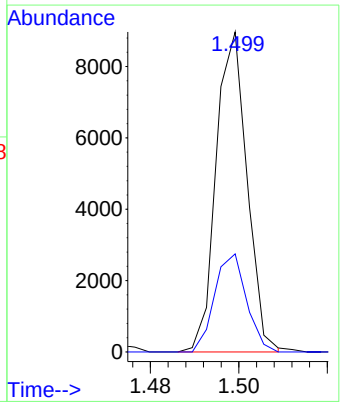
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

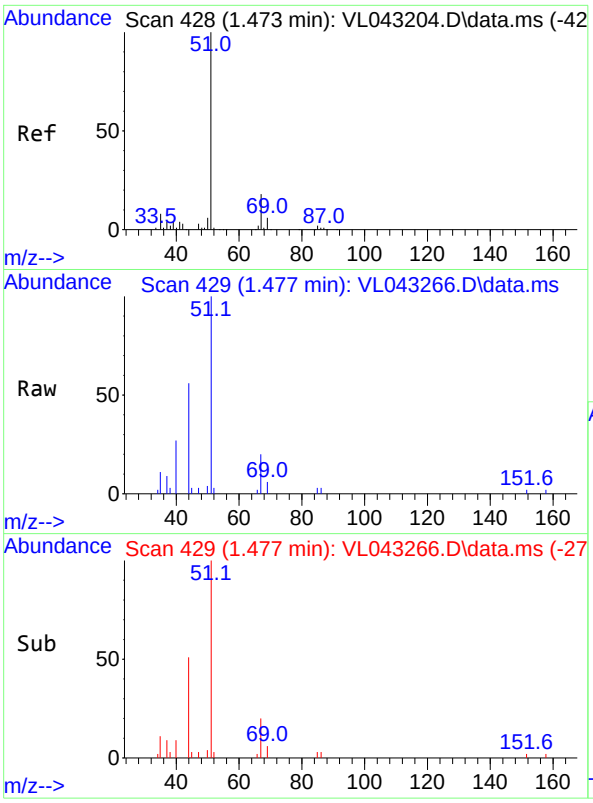


#2
Dichlorodifluoromethane
Concen: 0.290 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 85 Resp: 4354

Ion	Ratio	Lower	Upper
85	100		
87	30.7	25.4	38.2

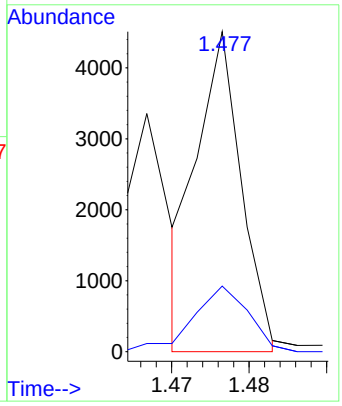




#3
Chlorodifluoromethane
Concen: 0.121 ppbv m
RT: 1.477 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 51 Resp: 177

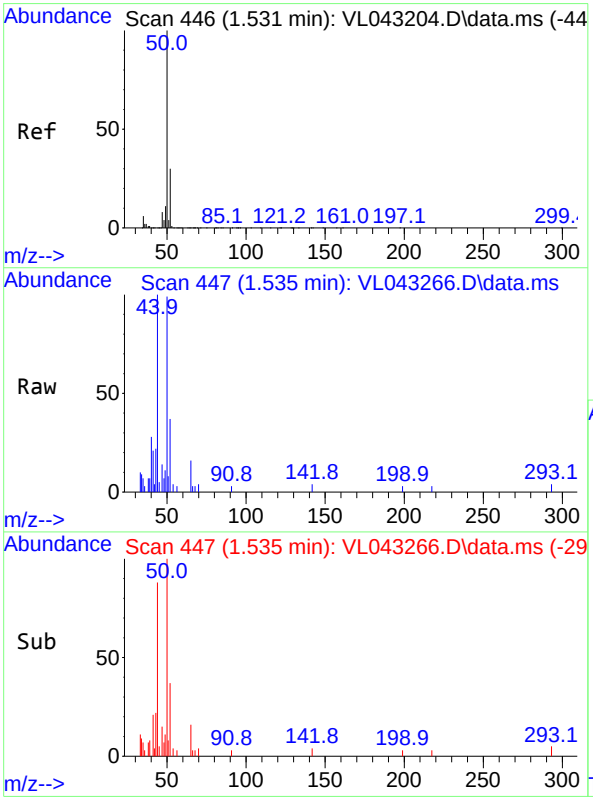
Ion	Ratio	Lower	Upper
51	100		
67	26.0	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

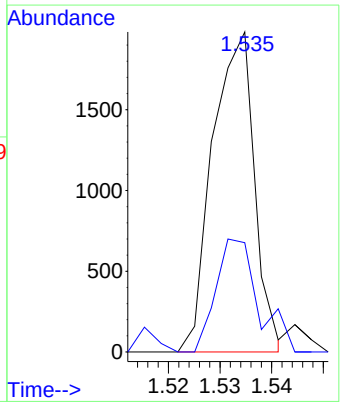
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

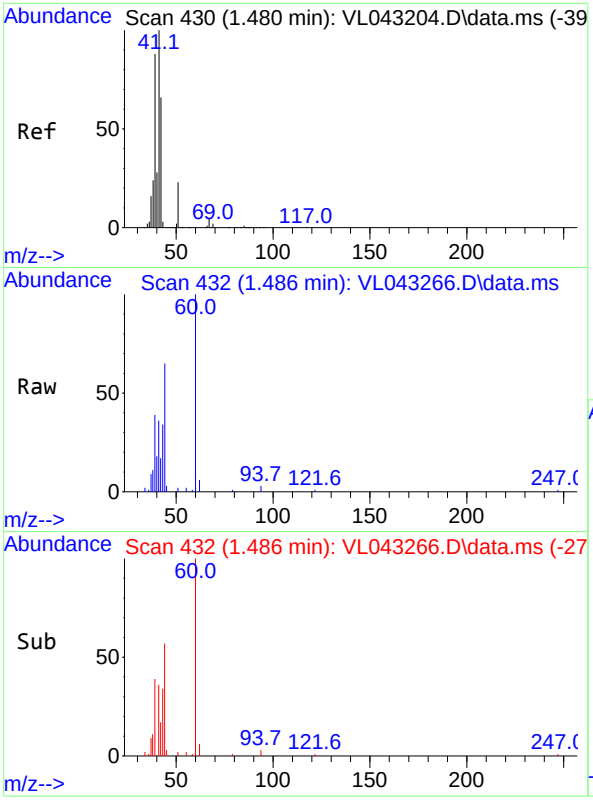


#4
Chloromethane
Concen: 0.199 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 50 Resp: 1115

Ion	Ratio	Lower	Upper
50	100		
52	34.2	24.1	36.1

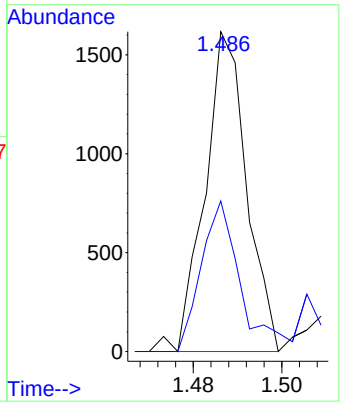




#9
Propene
Concen: 0.167 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 41 Resp: 104

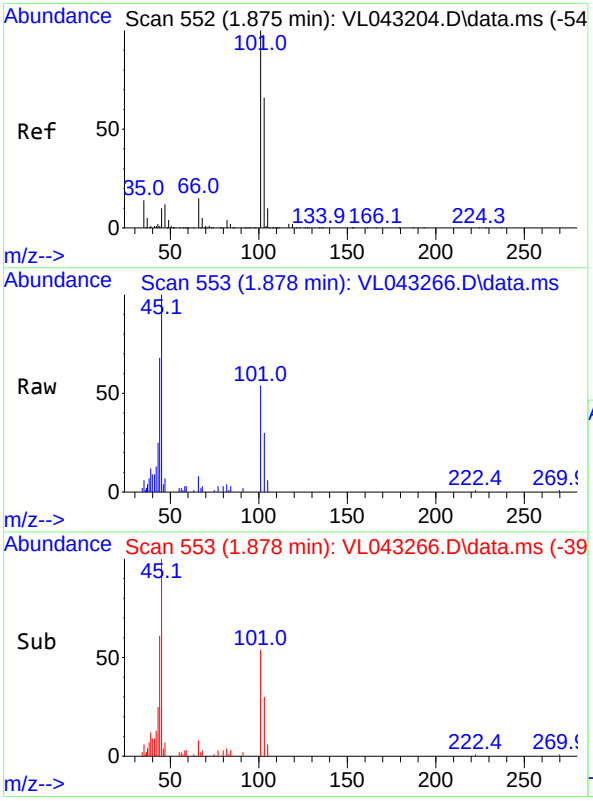
Ion	Ratio	Lower	Upper
41	100		
42	70.0	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

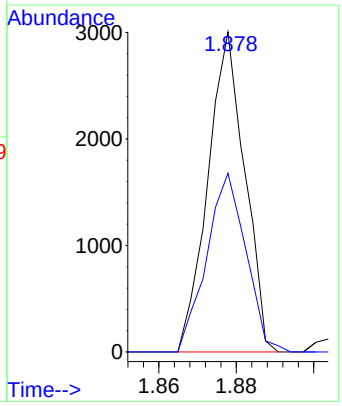
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

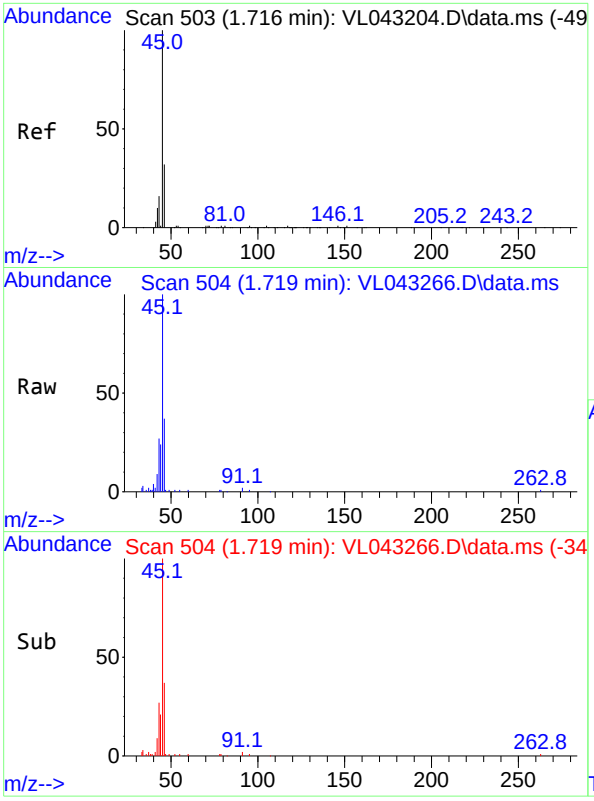


#11
Trichlorofluoromethane
Concen: 0.137 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:101 Resp: 1990

Ion	Ratio	Lower	Upper
101	100		
103	55.8	52.6	79.0

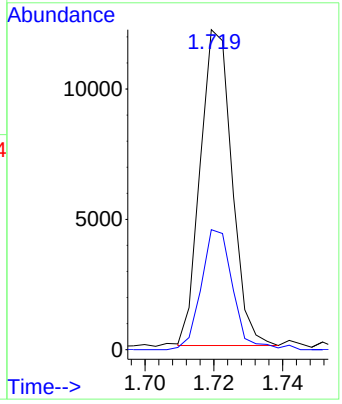




#13
Ethanol
Concen: 3.523 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 45 Resp: 775

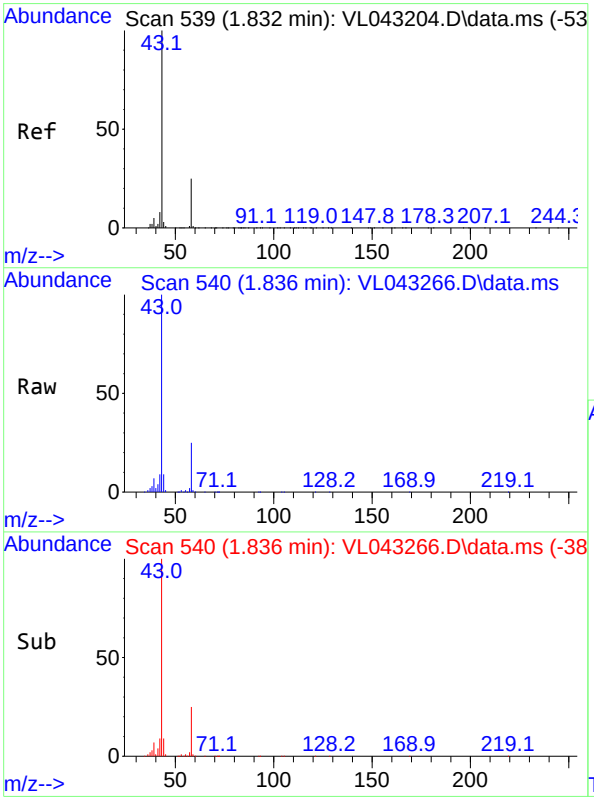
Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

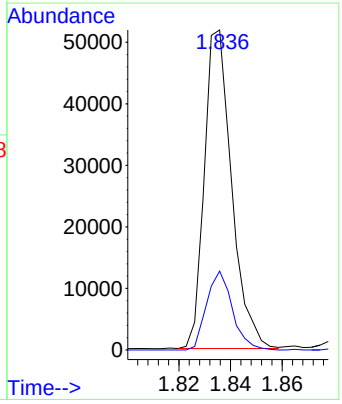
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

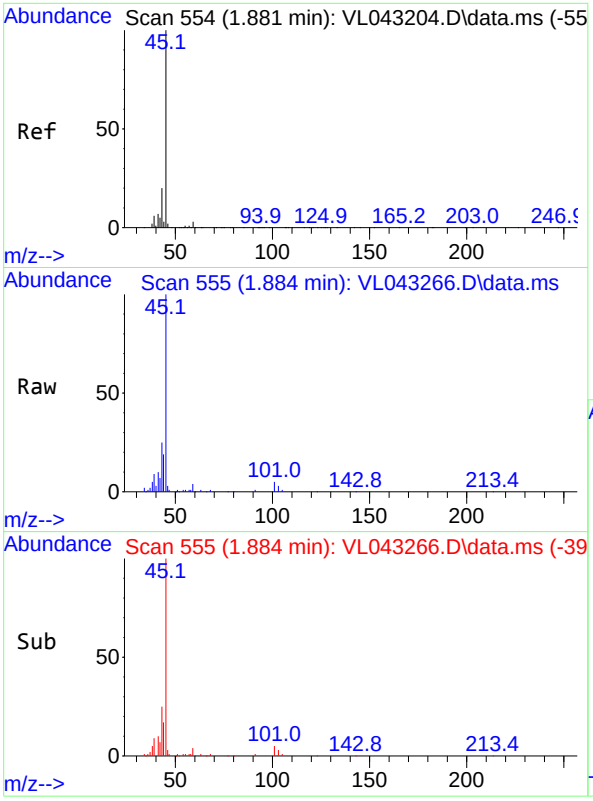


#15
Acetone
Concen: 2.575 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 43 Resp: 38041

Ion	Ratio	Lower	Upper
43	100		
58	23.4	20.7	31.1

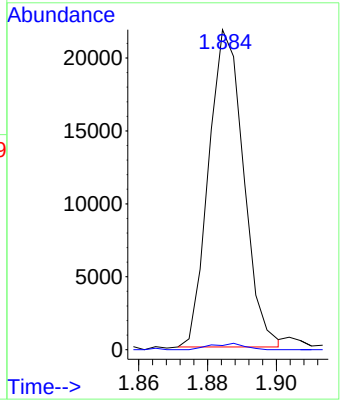




#19
Isopropyl Alcohol
Concen: 1.835 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 45 Resp: 1531

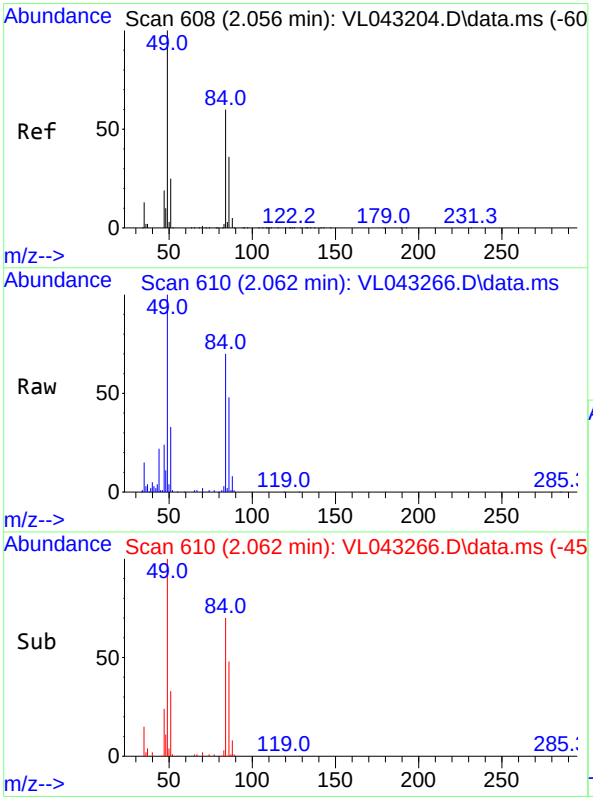
Ion	Ratio	Lower	Upper
45	100		
58	58.0	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

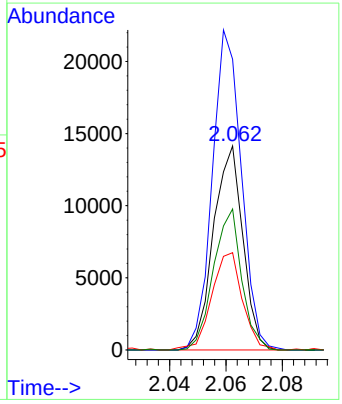
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

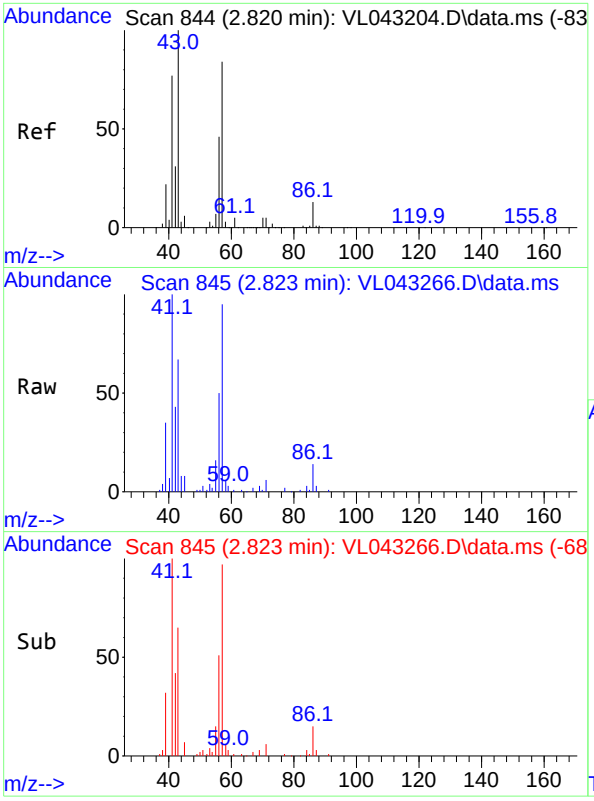


#20
Methylene Chloride
Concen: 1.702 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 84 Resp: 10245

Ion	Ratio	Lower	Upper
84	100		
49	142.5	132.9	199.3
51	47.7	34.8	52.2
86	69.1	48.2	72.2

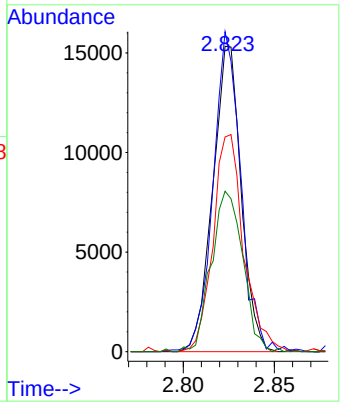




#26
Hexane
Concen: 1.186 ppbv
RT: 2.823 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 57 Resp: 1656

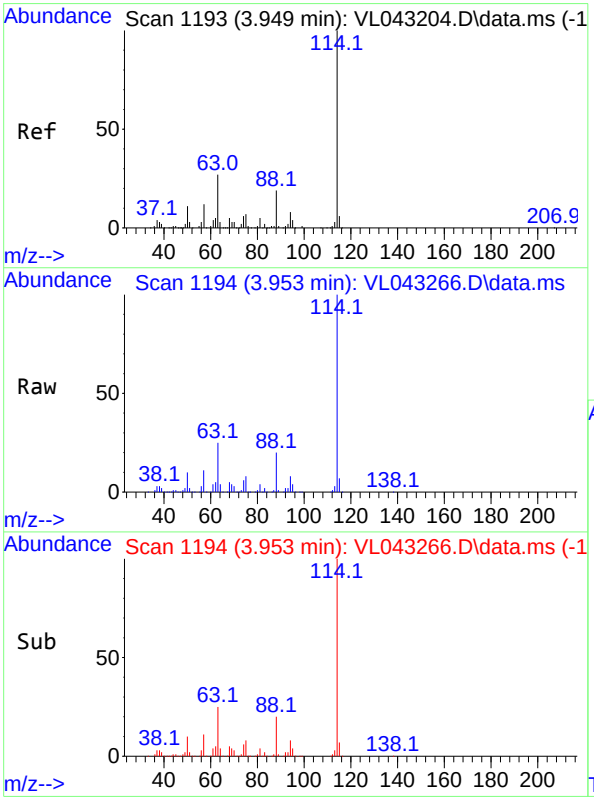
Ion	Ratio	Lower	Upper
57	100		
41	102.3	74.6	111.8
43	77.5	179.0	268.4
56	58.9	42.3	63.5



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
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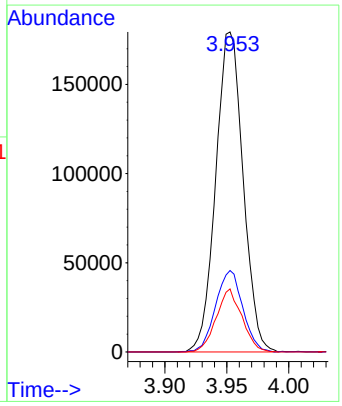
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

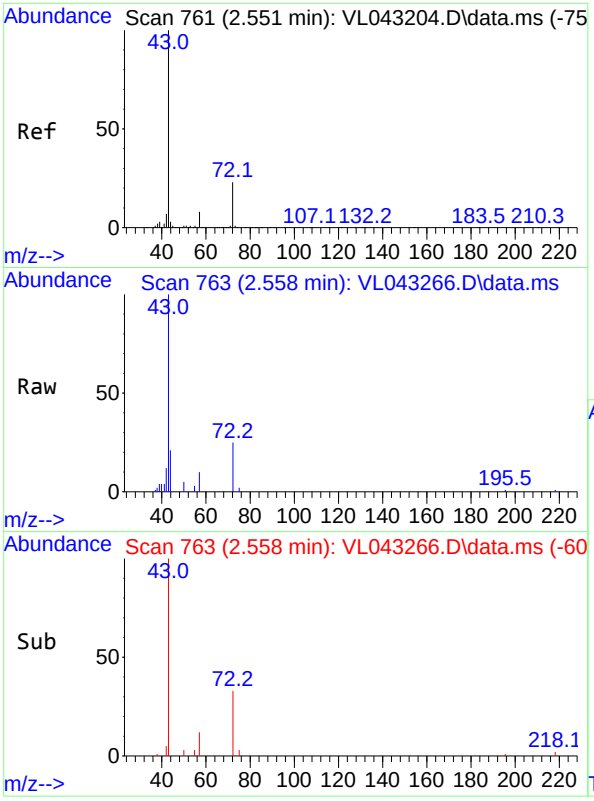


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:114 Resp: 275978

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.0	31.6
88	18.5	14.9	22.3





#34
2-Butanone
Concen: 0.305 ppbv
RT: 2.558 min Scan# 7
Delta R.T. 0.007 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

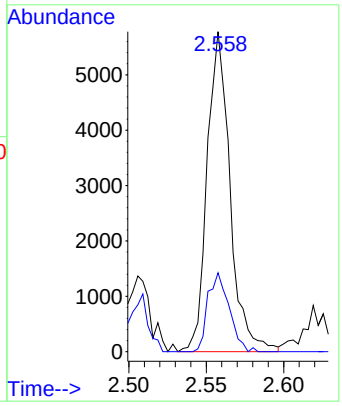
Tgt Ion: 43 Resp: 594

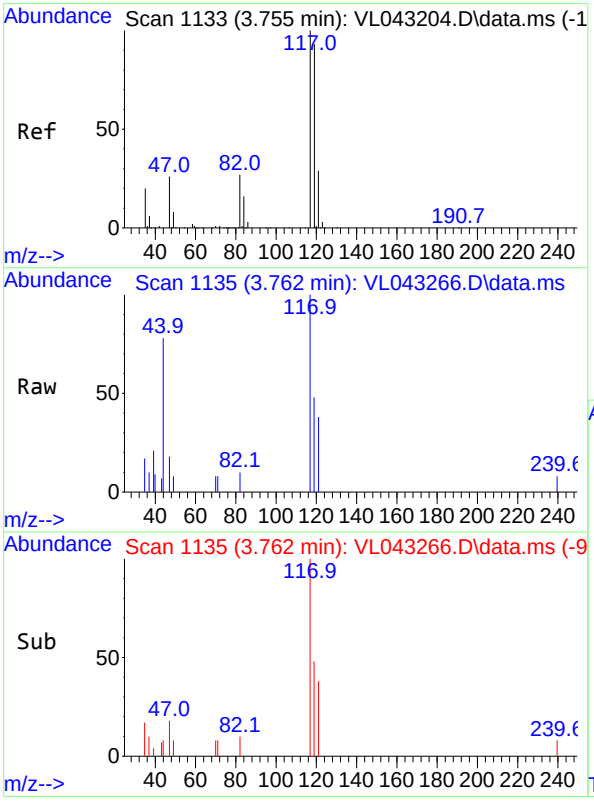
Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.1	27.1

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

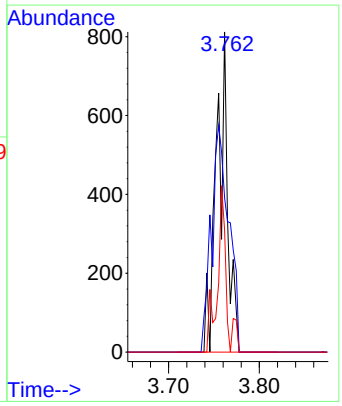


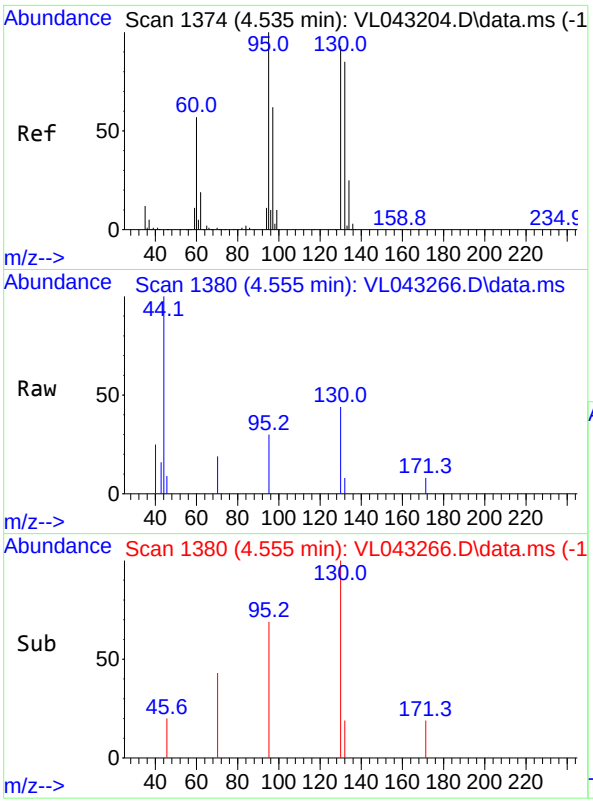


#35
Carbon Tetrachloride
Concen: 0.033 ppbv m
RT: 3.762 min Scan# 1135
Delta R.T. 0.007 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:117 Resp: 698

Ion	Ratio	Lower	Upper
117	100		
119	48.2	74.6	112.0#
121	38.1	23.2	34.8#

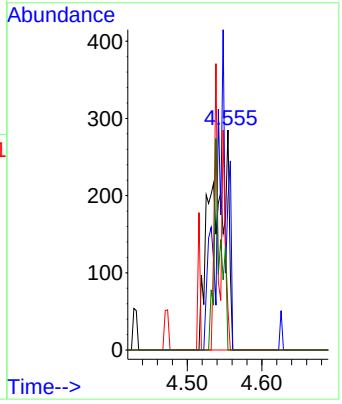




#38
Trichloroethene
Concen: 0.042 ppbv m
RT: 4.555 min Scan# 1
Delta R.T. 0.020 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:130 Resp: 43

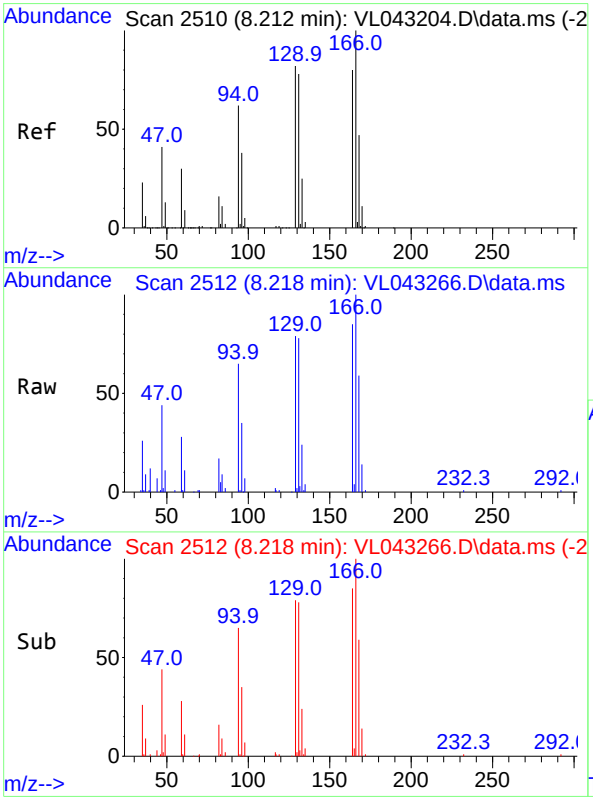
Ion	Ratio	Lower	Upper
130	100		
95	68.8	85.7	128.5#
132	18.6	73.4	110.0#
97	0.0	52.7	79.1#



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

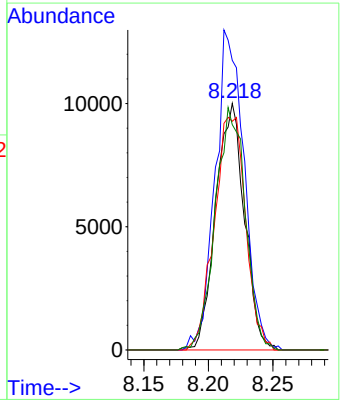
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

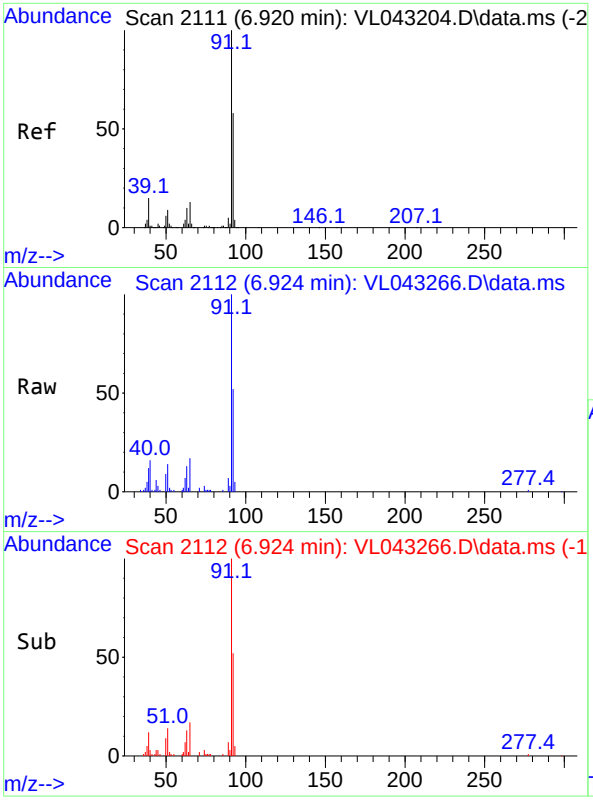


#52
Tetrachloroethene
Concen: 1.578 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.007 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:164 Resp: 15513

Ion	Ratio	Lower	Upper
164	100		
166	117.4	99.4	149.2
129	92.7	81.8	122.8
131	94.5	77.4	116.2

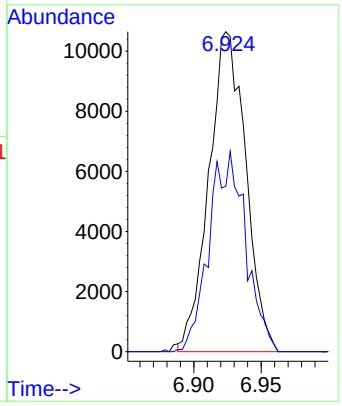




#53
Toluene
Concen: 0.648 ppbv
RT: 6.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 91 Resp: 2029

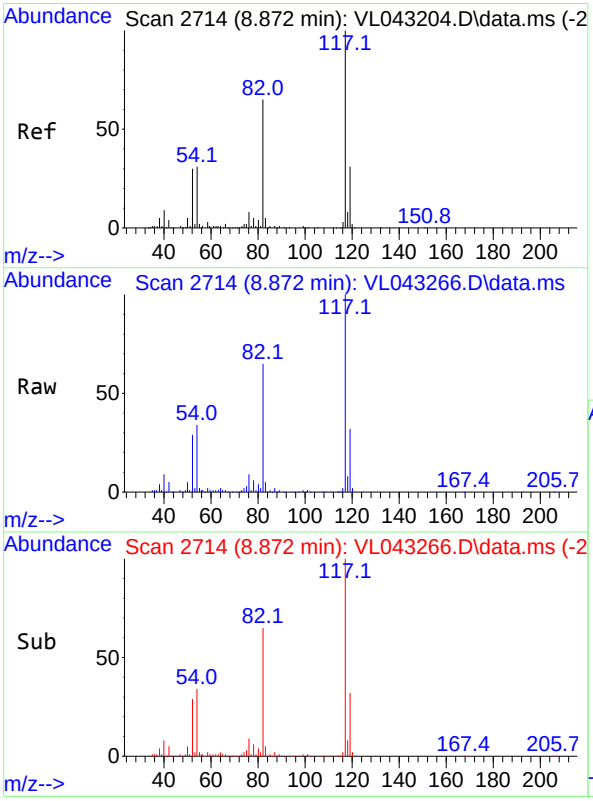
Ion	Ratio	Lower	Upper
91	100		
92	62.0	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

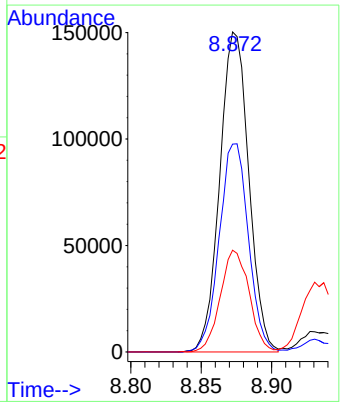
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

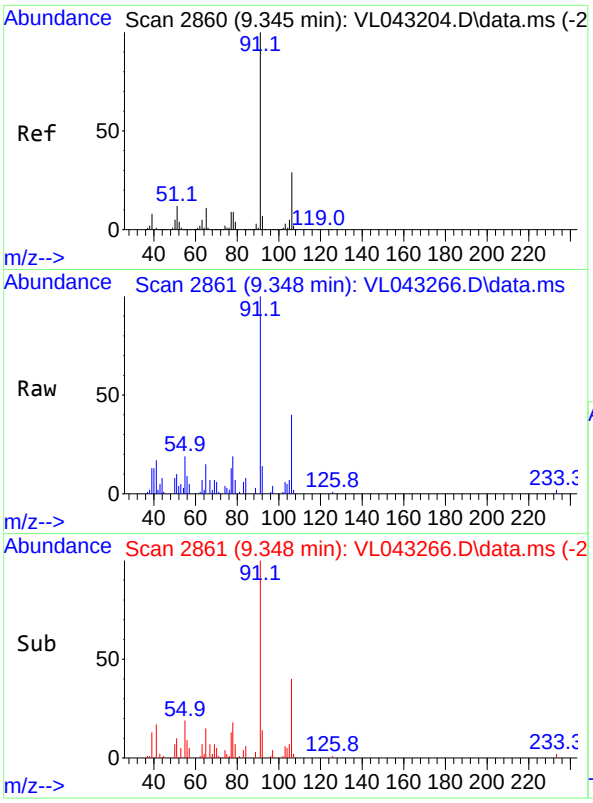


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:117 Resp: 215672

Ion	Ratio	Lower	Upper
117	100		
82	65.8	56.1	84.1
119	31.7	25.0	37.6

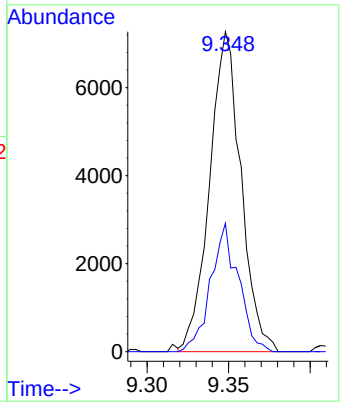




#58
Ethyl Benzene
Concen: 0.234 ppbv
RT: 9.348 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 91 Resp: 973

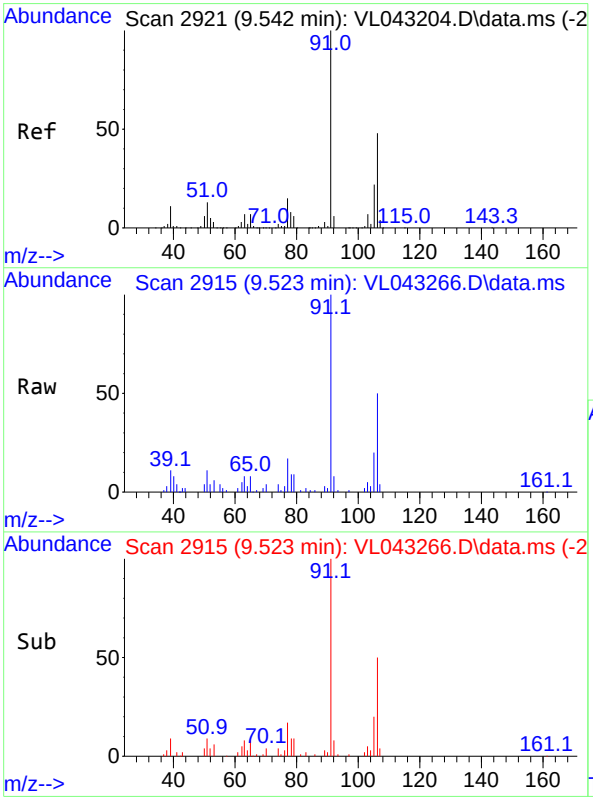
Ion	Ratio	Lower	Upper
91	100		
106	40.2	22.8	34.2#



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

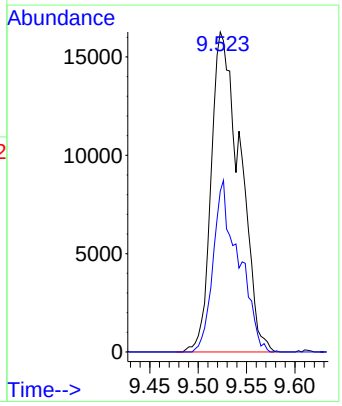
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

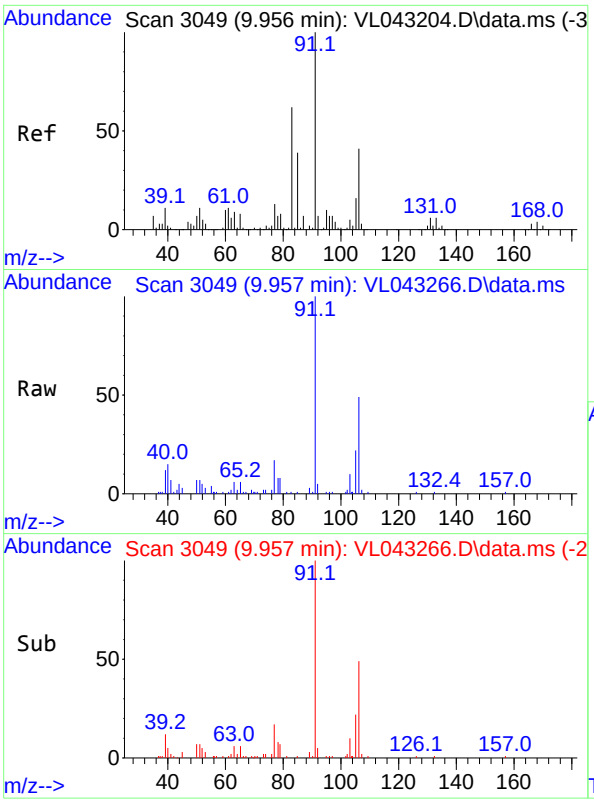


#59
m/p-Xylene
Concen: 1.018 ppbv m
RT: 9.523 min Scan# 2915
Delta R.T. -0.019 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 91 Resp: 33888

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

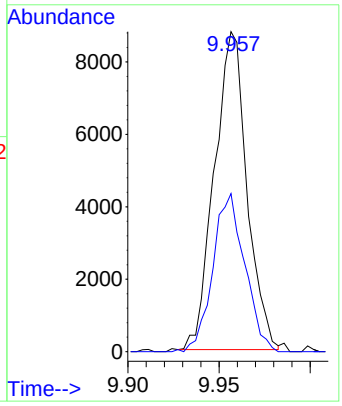




#60
o-Xylene
Concen: 0.328 ppbv
RT: 9.957 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 91 Resp: 1091

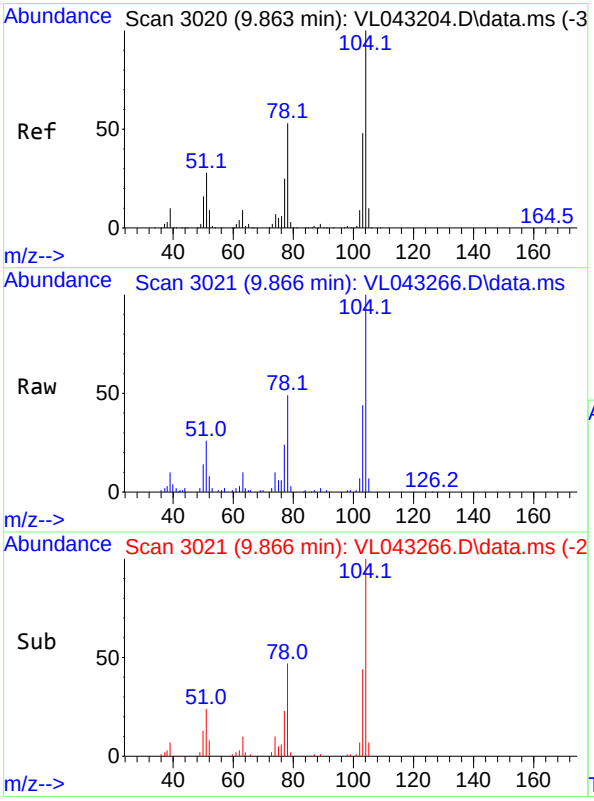
Ion	Ratio	Lower	Upper
91	100		
106	48.6	20.9	62.8



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

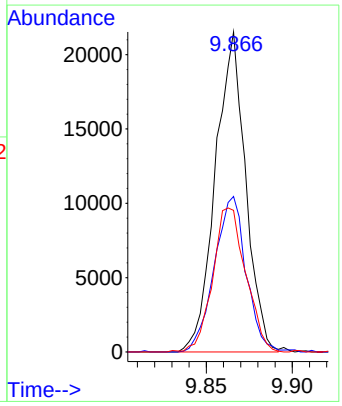
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

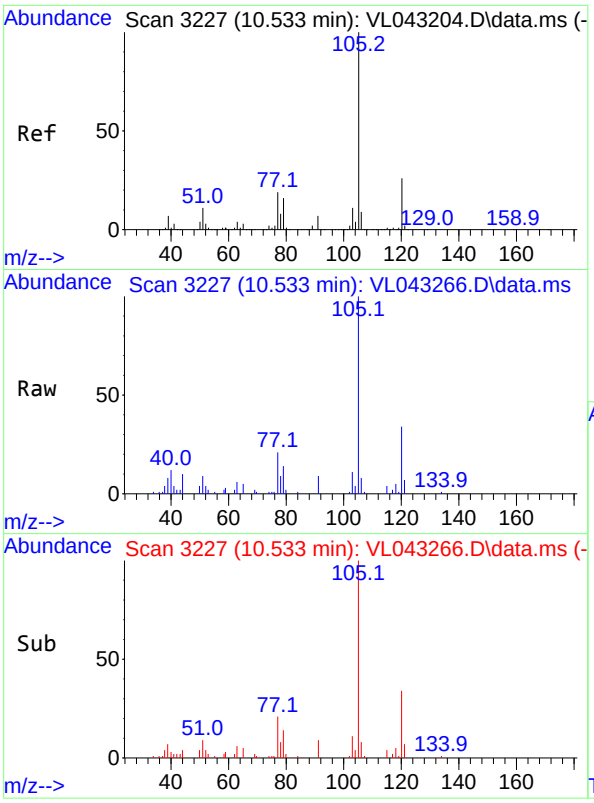


#61
Styrene
Concen: 1.807 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:104 Resp: 26295

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.1	63.1
103	49.5	37.2	55.8





#62
Isopropylbenzene
Concen: 0.172 ppbv
RT: 10.533 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

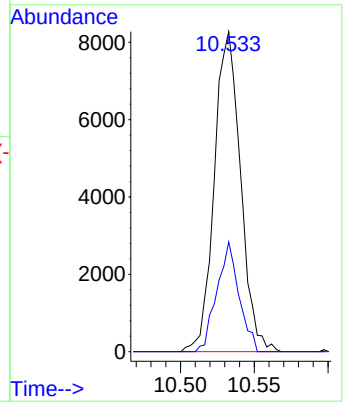
Tgt Ion:105 Resp: 1023

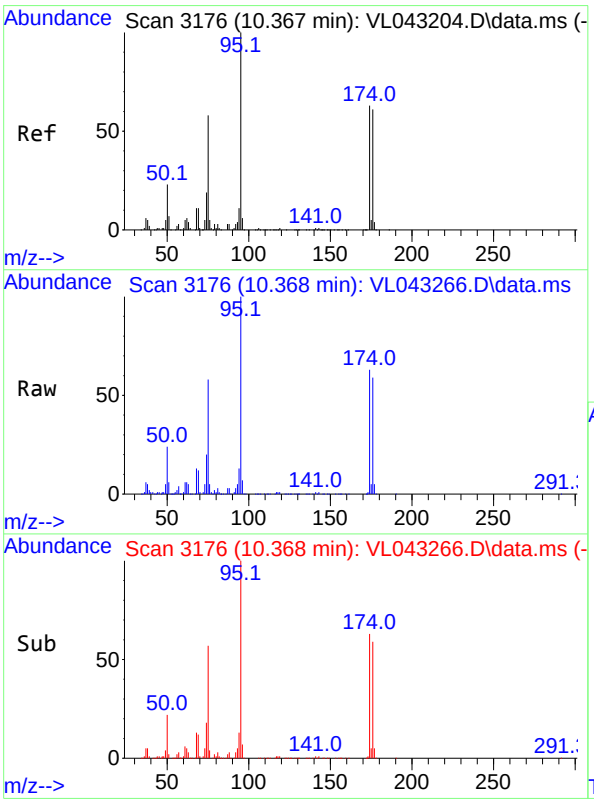
Ion	Ratio	Lower	Upper
105	100		
120	28.9	19.8	29.8

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

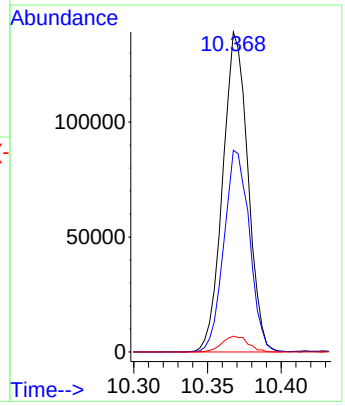


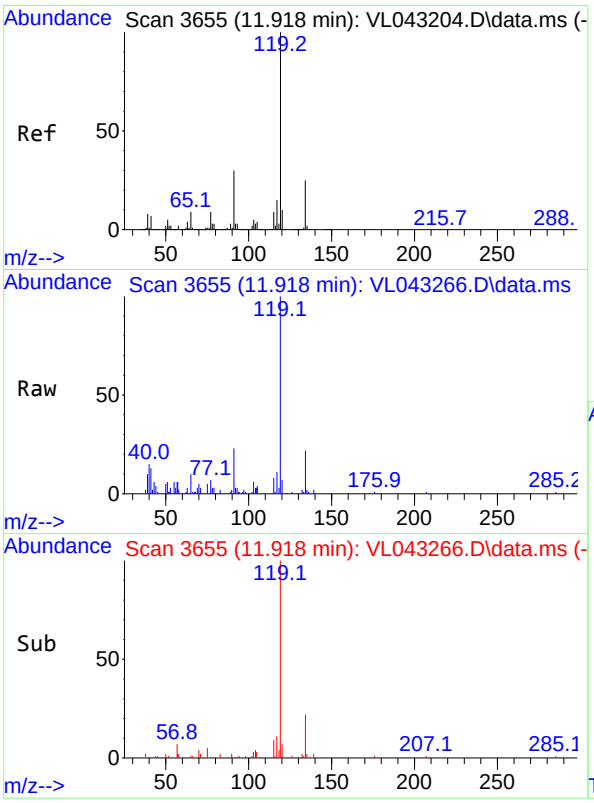


#68
1-Bromo-4-Fluorobenzene
Concen: 10.438 ppbv
RT: 10.368 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 95 Resp: 165012

Ion	Ratio	Lower	Upper
95	100		
174	64.1	50.2	75.2
175	5.1	4.1	6.1

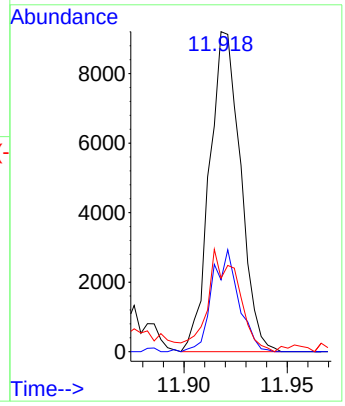




#69
p-Isopropyltoluene
Concen: 0.153 ppbv
RT: 11.918 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:119 Resp: 959

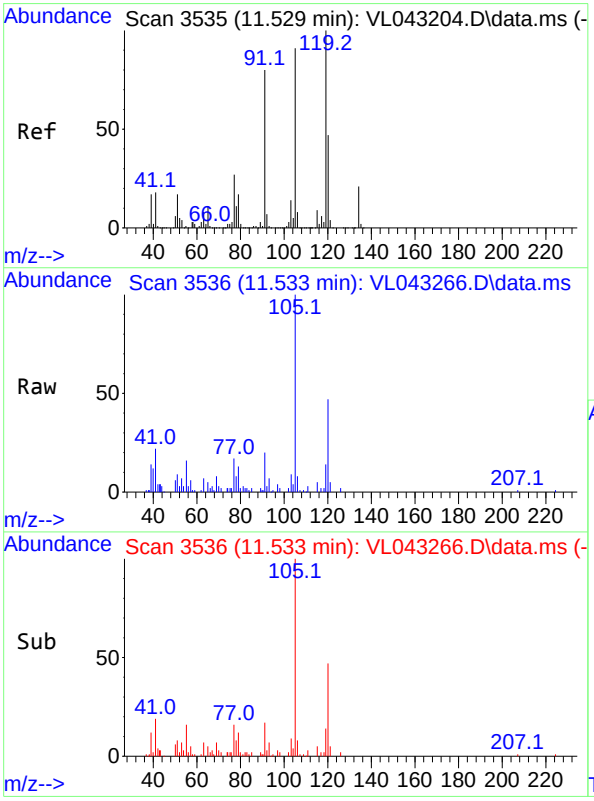
Ion	Ratio	Lower	Upper
119	100		
134	27.9	20.2	30.2
91	35.1	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
SG-6

Manual Integrations
APPROVED

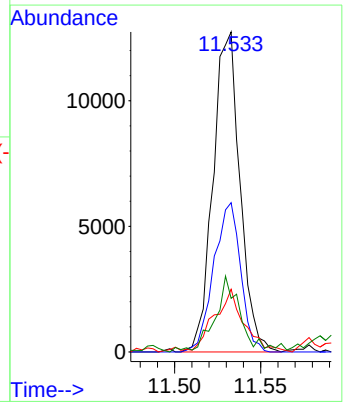
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.375 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:105 Resp: 13894

Ion	Ratio	Lower	Upper
105	100		
120	46.6	41.7	62.5
91	19.1	70.0	105.0#
77	16.0	23.8	35.8#



CALIBRATION SUMMARY

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL111825AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Nov 19 01:11:25 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL043209.D 0.1 =VL043208.D 0.5 =VL043203.D 1 =VL043206.D 2 =VL043205.D 10 =VL043204.D 15 =VL043210.D

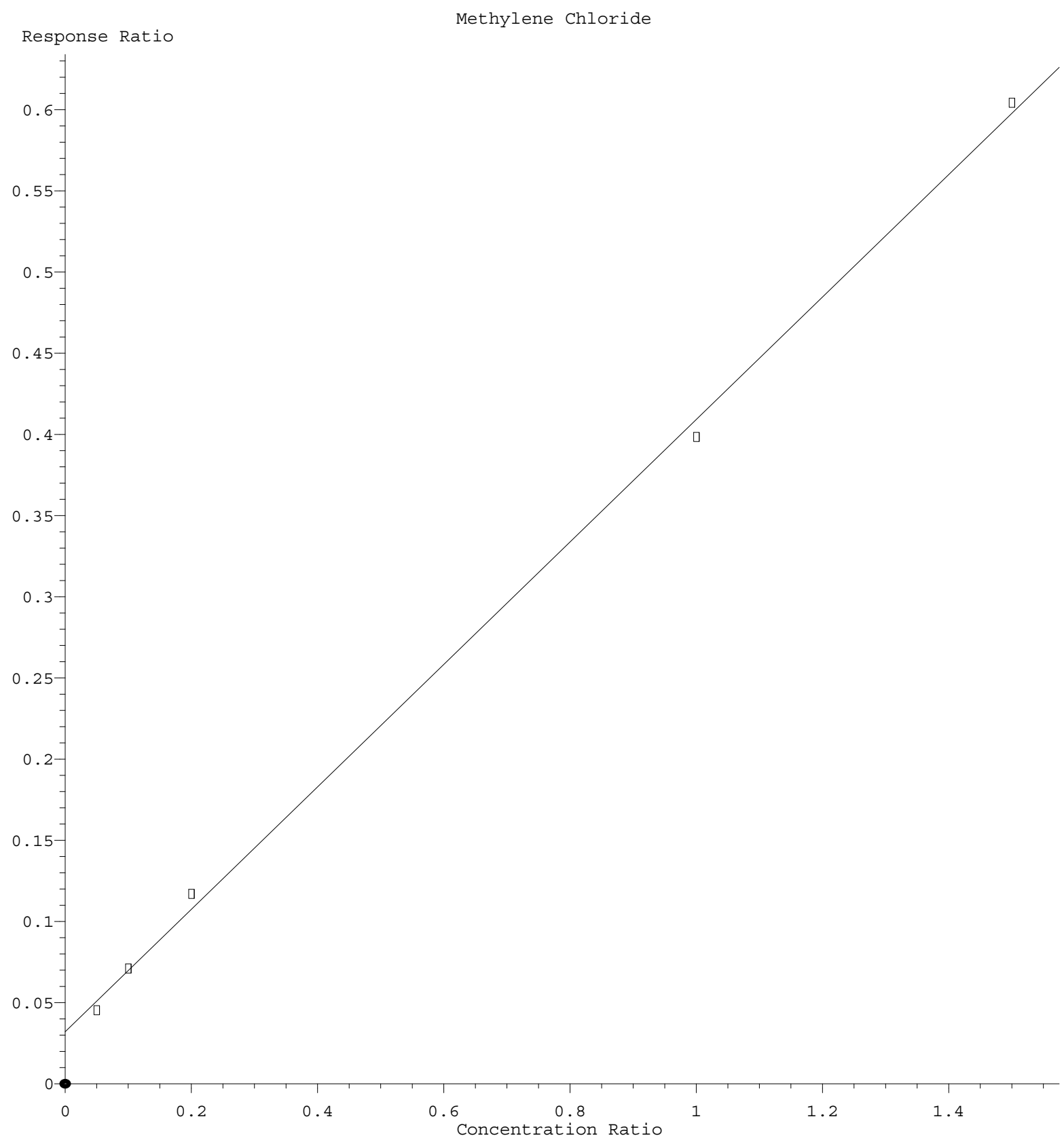
		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.398	1.505	1.476	1.340	1.334	1.410	5.53
3)		Chlorodifluoro...			1.545	1.404	1.437	1.317	1.231	1.387	8.60
4)		Chloromethane			0.521	0.559	0.568	0.498	0.489	0.527	6.72
5)	T	Vinyl Chloride	0.724	0.655	0.533	0.580	0.575	0.486	0.483	0.577	15.33
6)	T	Bromomethane			0.300	0.302	0.286	0.253	0.258	0.280	8.30
7)		Chloroethane			0.246	0.248	0.236	0.194	0.199	0.225	11.59
8)	T	Dichlorotetraf...			1.156	1.241	1.262	1.091	1.116	1.173	6.43
9)	T	Propene			0.677	0.598	0.621	0.501	0.548	0.589	11.44
10)	T	Heptane			2.106	1.804	1.728	1.604	1.522	1.753	12.87
11)	T	Trichlorofluor...			1.238	1.515	1.487	1.240	1.352	1.367	9.62
12)	T	1,1,2-Trichlor...			1.061	1.142	1.115	0.987	1.029	1.067	5.92
13)		Ethanol			0.215	0.231	0.252	0.166	0.172	0.207	17.99
14)	T	Bromoethene			0.448	0.423	0.436	0.362	0.376	0.409	9.29
15)	T	Acetone			1.721	1.591	1.519	1.032	1.085	1.389	22.41
16)	T	1,3-Butadiene			0.745	0.629	0.626	0.551	0.546	0.619	13.01
17)		tert-Butyl alc...			1.784	2.014	1.880	1.705	1.735	1.824	6.87
18)	T	1,1-Dichloroet...			0.555	0.530	0.515	0.441	0.443	0.497	10.52
19)	T	Isopropyl Alcohol			0.848	0.861	0.823	0.684	0.709	0.785	10.51
20)	T	Methylene Chlo...			0.906	0.710	0.585	0.398	0.403	0.600	35.87
21)	T	Allyl Chloride			1.139	0.895	0.936	0.849	0.855	0.935	12.75
22)	T	trans-1,2-Dich...			0.605	0.614	0.599	0.499	0.521	0.568	9.39
23)	T	Vinyl Acetate			1.885	1.632	1.682	1.622	1.565	1.677	7.36
24)	T	1,1-Dichloroet...			1.050	1.173	1.194	1.018	1.044	1.096	7.42
25)	T	Ethyl Acetate			3.371	3.123	3.074	2.759	2.655	2.996	9.68
26)	T	Hexane			1.374	1.424	1.375	1.235	1.161	1.314	8.44
27)	T	Carbon Disulfide			1.303	1.424	1.432	1.257	1.291	1.341	6.03
28)	T	Methyl tert-Bu...			0.642	0.704	0.674	0.591	0.614	0.645	7.02
29)	T	Chloroform			1.955	1.898	1.928	1.785	1.770	1.867	4.52
30)	T	Cyclohexane			1.135	1.194	1.130	1.024	1.024	1.101	6.80
31)	T	cis-1,2-Dichlo...			1.399	1.351	1.322	1.240	1.217	1.306	5.83
32)	T	1,1,1-Trichlor...	2.116	2.046	1.970	2.018	2.033	1.884	1.865	1.990	4.52
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.744	0.751	0.736	0.644	0.655	0.706	7.38
35)	T	Carbon Tetrach...	0.832	0.765	0.779	0.771	0.737	0.708	0.721	0.759	5.51
36)	T	Benzene			0.996	1.001	0.986	0.905	0.900	0.958	5.28
37)	T	1,2-Dichloroet...			0.572	0.580	0.565	0.531	0.553	0.560	3.39
38)	T	Trichloroethene	0.293	0.475	0.390	0.388	0.371	0.353	0.353	0.375	14.65
39)	T	1,2-Dichloropr...			0.372	0.364	0.350	0.335	0.332	0.351	4.97

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL111825AIR.M

40)	T	1,4-Dioxane			0.180	0.166	0.155	0.142	0.144	0.158	10.04
41)	T	Tetrahydrofuran			0.418	0.401	0.402	0.367	0.360	0.390	6.32
42)	T	Bromodichlorom...			0.782	0.795	0.783	0.745	0.758	0.773	2.63
43)		Methyl Methacr...			0.576	0.532	0.511	0.462	0.462	0.508	9.55
44)	T	2,2,4-Trimethy...			1.746	1.765	1.621	1.555	1.537	1.645	6.47
45)	T	t-1,3-Dichloro...			0.495	0.472	0.489	0.455	0.458	0.474	3.79
46)	T	cis-1,3-Dichlo...			0.599	0.557	0.562	0.534	0.529	0.556	5.00
47)	T	1,1,2-Trichlor...			0.424	0.372	0.378	0.344	0.342	0.372	8.91
48)	T	Dibromochlorom...			0.629	0.666	0.663	0.618	0.621	0.640	3.63
49)	T	Bromoform			0.583	0.569	0.581	0.555	0.545	0.566	2.86
50)	T	4-Methyl-2-Pen...			1.025	1.061	1.027	0.946	0.914	0.994	6.19
51)	T	2-Hexanone			0.782	0.805	0.816	0.734	0.724	0.772	5.37
52)	T	Tetrachloroethene	0.363	0.424	0.344	0.362	0.349	0.329	0.323	0.356	9.37
53)	T	Toluene			1.198	1.182	1.146	1.075	1.069	1.134	5.26
54)	T	1,2-Dibromoethane		0.528	0.587	0.569	0.549	0.525	0.526	0.547	4.79
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.791	0.769	0.761	0.677	0.677	0.735	7.34
57)	T	Chlorobenzene			1.035	1.088	1.089	0.969	0.953	1.027	6.24
58)	T	Ethyl Benzene			1.927	2.038	2.008	1.821	1.830	1.925	5.16
59)	T	m/p-Xylene			1.618	1.611	1.607	1.434	1.446	1.543	6.12
60)	T	o-Xylene			1.584	1.625	1.659	1.419	1.421	1.542	7.42
61)	T	Styrene			0.669	0.690	0.719	0.648	0.647	0.675	4.54
62)		Isopropylbenzene			2.807	2.946	2.945	2.556	2.536	2.758	7.31
63)	T	1,1,2,2-Tetrac...	0.999	1.034	1.016	1.012	1.028	0.891	0.884	0.981	6.58
64)		n-propylbenzene			0.722	0.758	0.757	0.657	0.649	0.709	7.47
65)		tert-Butylbenzene			2.583	2.687	2.646	2.224	2.176	2.463	9.90
66)	T	Benzyl Chloride			0.275	0.251	0.257	0.241	0.225	0.250	7.36
67)		sec-Butylbenzene			3.588	3.728	3.697	3.108	3.070	3.438	9.40
68)	S	1-Bromo-4-Fluo...	0.712	0.725	0.729	0.733	0.741	0.735	0.757	0.733	1.90
69)		p-Isopropyltol...			2.994	3.070	3.197	2.660	2.641	2.912	8.58
70)		n-Butylbenzene			2.676	3.041	3.125	2.639	2.647	2.825	8.39
71)		2-Chlorotoluene			2.198	2.257	2.210	1.960	1.975	2.120	6.65
72)	T	4-Ethyltoluene			1.934	1.948	2.009	1.749	1.747	1.877	6.46
73)	T	1,3,5-Trimethy...			1.623	1.682	1.662	1.456	1.454	1.575	7.09
74)	T	1,2,4-Trimethy...			1.796	1.844	1.871	1.548	1.537	1.719	9.51
75)	T	1,3-Dichlorobe...			1.043	1.053	1.061	0.937	0.922	1.003	6.78
76)	T	1,4-Dichlorobe...			1.056	1.033	1.060	0.940	0.930	1.003	6.34
77)	T	1,2-Dichlorobe...			0.974	1.064	1.050	0.872	0.863	0.965	9.83
78)	T	Hexachloro-1,3...			0.854	0.899	0.920	0.686	0.666	0.805	14.94
79)	T	Naphthalene		1.230	1.483	1.599	1.860	1.496	1.493	1.527	13.35
80)	T	Naphthalene,2-...			0.397	0.323	0.448	0.397	0.439	0.401	12.30
81)	T	1,2,4-Trichlor...			0.549	0.692	0.813	0.678	0.682	0.683	13.72

(#) = Out of Range



Response = 3.773e-001 * Amt + 3.213e-002
Coef of Det (r^2) = 0.998825 Curve Fit: Linear
Method: Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Calibration Table Last Updated: Wed Nov 19 01:11:25 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043203.D
Acq On : 18 Nov 2025 09:29
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:48:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	110490	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	296493	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	247761	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	180529	9.941	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	7723	0.496	ppbv		99
3) Chlorodifluoromethane	1.473	51	8538	0.557	ppbv	#	82
4) Chloromethane	1.531	50	2881	0.494	ppbv		94
5) Vinyl Chloride	1.580	62	2947	0.462	ppbv	#	87
6) Bromomethane	1.667	94	1656	0.536	ppbv		97
7) Chloroethane	1.703	64	1357	0.547	ppbv		100
8) Dichlorotetrafluoroethane	1.554	85	6386	0.493	ppbv		100
9) Propene	1.483	41	3739	0.526	ppbv	#	1
10) Heptane	4.972	43	11637m	0.597	ppbv		
11) Trichlorofluoromethane	1.878	101	6841	0.453	ppbv		92
12) 1,1,2-Trichlorotrifluo...	2.140	101	5863	0.497	ppbv		99
13) Ethanol	1.719	45	1190	0.520	ppbv		64
14) Bromoethene	1.781	108	2476	0.548	ppbv	#	75
15) Acetone	1.836	43	9506	0.619	ppbv	#	88
16) 1,3-Butadiene	1.606	39	4115	0.601	ppbv		95
17) tert-Butyl alcohol	2.043	59	9854	0.489	ppbv	#	68
18) 1,1-Dichloroethene	2.033	96	3068	0.559	ppbv		96
19) Isopropyl Alcohol	1.887	45	4687	0.540	ppbv	#	51
20) Methylene Chloride	2.059	84	5006	0.349	ppbv		92
21) Allyl Chloride	2.095	41	6291	0.609	ppbv		95
22) trans-1,2-Dichloroethene	2.337	96	3343	0.533	ppbv		80
23) Vinyl Acetate	2.464	43	10414	0.562	ppbv	#	92
24) 1,1-Dichloroethane	2.409	63	5803	0.479	ppbv	#	96
25) Ethyl Acetate	2.839	43	18625m	0.562	ppbv		
26) Hexane	2.823	57	7589	0.523	ppbv	#	91
27) Carbon Disulfide	2.150	76	7198	0.486	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	3545	0.498	ppbv	#	15
29) Chloroform	2.849	83	10800	0.523	ppbv		95
30) Cyclohexane	3.849	84	6271	0.515	ppbv		85
31) cis-1,2-Dichloroethene	2.719	61	7728	0.536	ppbv		87
32) 1,1,1-Trichloroethane	3.363	97	10886	0.490	ppbv		98
34) 2-Butanone	2.557	43	11026	0.527	ppbv		95
35) Carbon Tetrachloride	3.761	117	11551	0.513	ppbv		94
36) Benzene	3.655	78	14759	0.520	ppbv	#	91
37) 1,2-Dichloroethane	3.218	62	8477	0.510	ppbv	#	93
38) Trichloroethene	4.542	130	5775	0.519	ppbv	#	87
39) 1,2-Dichloropropane	4.312	63	5510	0.530	ppbv	#	80
40) 1,4-Dioxane	4.597	88	2675m	0.573	ppbv		
41) Tetrahydrofuran	3.059	42	6193	0.536	ppbv		95
42) Bromodichloromethane	4.490	83	11597	0.506	ppbv	#	84
43) Methyl Methacrylate	4.881	69	8534m	0.566	ppbv		
44) 2,2,4-Trimethylpentane	4.642	57	25890	0.531	ppbv		95
45) t-1,3-Dichloropropene	6.412	75	7343	0.523	ppbv		94

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043203.D
Acq On : 18 Nov 2025 09:29
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:48:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	8886m	0.539	ppbv		
47) 1,1,2-Trichloroethane	6.581	97	6280m	0.567	ppbv		
48) Dibromochloromethane	7.380	129	9327	0.492	ppbv		97
49) Bromoform	9.481	173	8636	0.514	ppbv		100
50) 4-Methyl-2-Pentanone	5.755	43	15190	0.515	ppbv		92
51) 2-Hexanone	7.442	43	11594	0.506	ppbv	#	93
52) Tetrachloroethene	8.218	164	5097	0.483	ppbv	#	82
53) Toluene	6.924	91	17755m	0.525	ppbv		
54) 1,2-Dibromoethane	7.649	107	8708	0.537	ppbv		90
56) 1,1,1,2-Tetrachloroethane	8.917	131	9793m	0.538	ppbv		
57) Chlorobenzene	8.917	112	12818	0.504	ppbv		98
58) Ethyl Benzene	9.351	91	23866	0.500	ppbv		96
59) m/p-Xylene	9.526	91	40076m	1.044	ppbv		
60) o-Xylene	9.956	91	19621	0.514	ppbv		100
61) Styrene	9.869	104	8287	0.496	ppbv		96
62) Isopropylbenzene	10.536	105	34773	0.509	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.960	83	12591	0.519	ppbv		100
64) n-propylbenzene	10.986	120	8945	0.509	ppbv		100
65) tert-Butylbenzene	11.526	119	31998	0.524	ppbv		99
66) Benzyl Chloride	11.610	91	3403	0.550	ppbv		98
67) sec-Butylbenzene	11.766	105	44448	0.522	ppbv		97
69) p-Isopropyltoluene	11.921	119	37087	0.514	ppbv		100
70) n-Butylbenzene	12.277	91	33153	0.474	ppbv		94
71) 2-Chlorotoluene	10.895	91	27224	0.518	ppbv		99
72) 4-Ethyltoluene	11.122	105	23963	0.515	ppbv		97
73) 1,3,5-Trimethylbenzene	11.199	105	20104	0.515	ppbv		99
74) 1,2,4-Trimethylbenzene	11.533	105	22254	0.522	ppbv		91
75) 1,3-Dichlorobenzene	11.604	146	12926	0.520	ppbv		98
76) 1,4-Dichlorobenzene	11.672	146	13076	0.526	ppbv		98
77) 1,2-Dichlorobenzene	11.947	146	12069	0.505	ppbv		97
78) Hexachloro-1,3-Butadiene	13.879	225	10578	0.530	ppbv		98
79) Naphthalene	13.513	128	18377	0.486	ppbv		97
80) Naphthalene,2-methyl-	14.462	142	4917	0.495	ppbv		91
81) 1,2,4-Trichlorobenzene	13.439	180	6798	0.402	ppbv		97

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

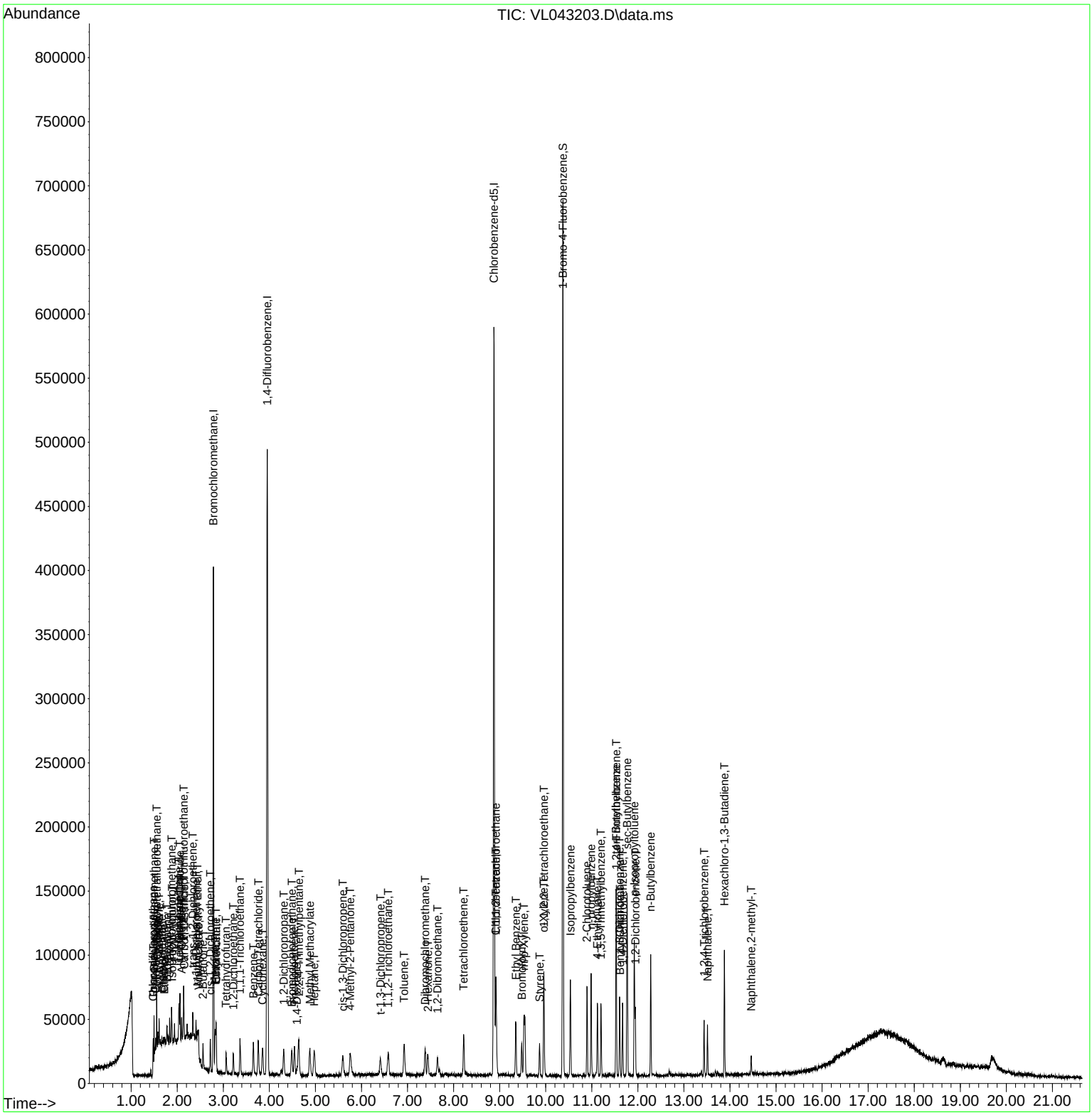
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Data File : VL043203.D
Acq On : 18 Nov 2025 09:29
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

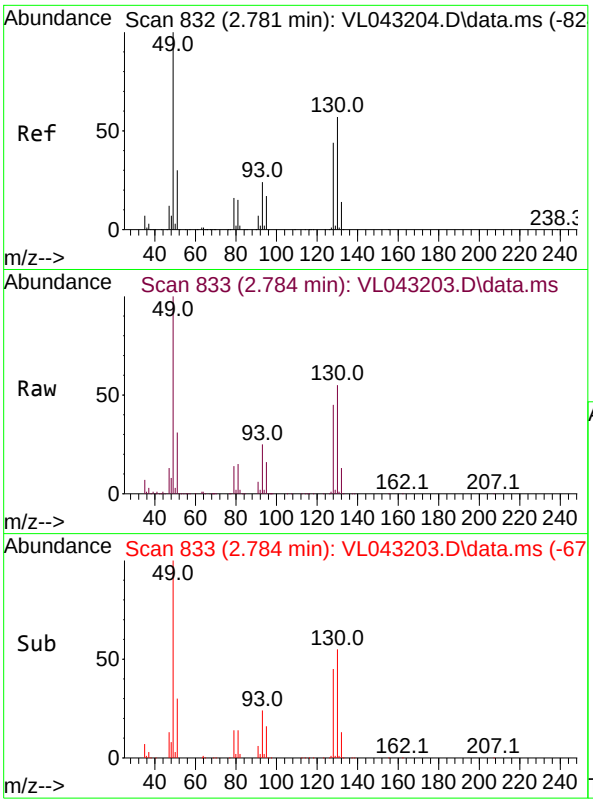
Quant Time: Nov 19 00:48:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

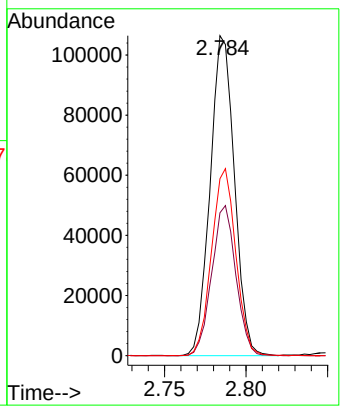




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 49 Resp: 11049

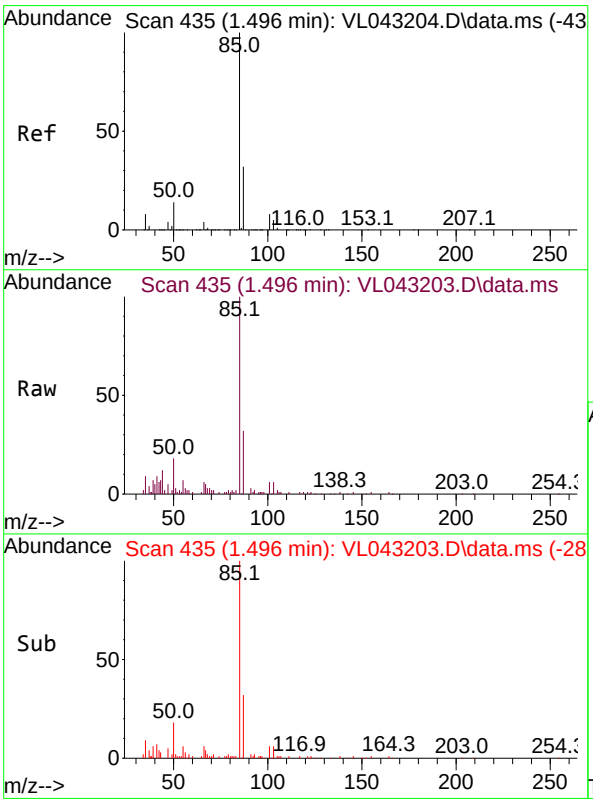
Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.0	69.0
130	58.4	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

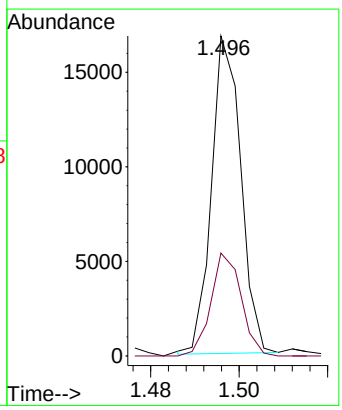
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

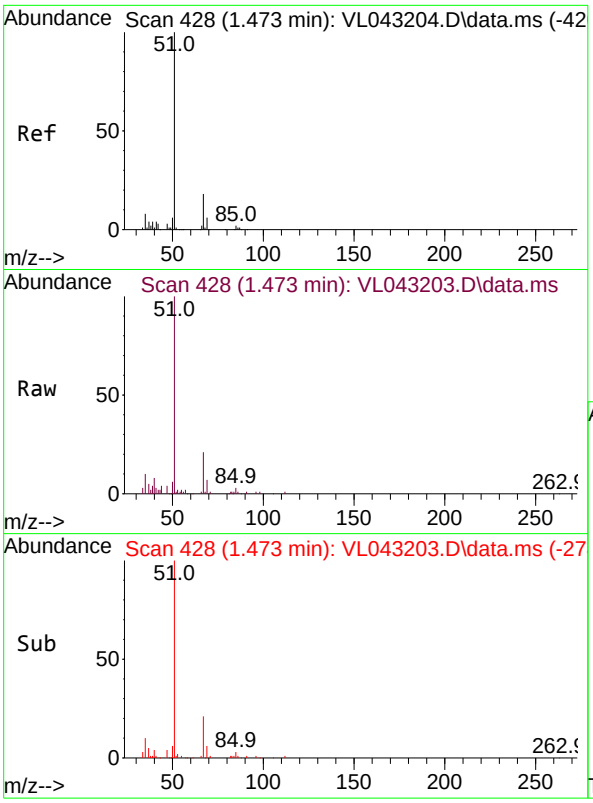


#2
Dichlorodifluoromethane
Concen: 0.496 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 7723

Ion	Ratio	Lower	Upper
85	100		
87	32.5	25.4	38.2

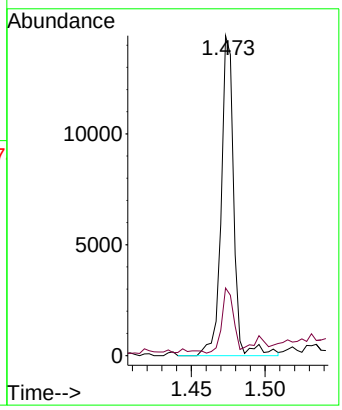




#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 51 Resp: 853

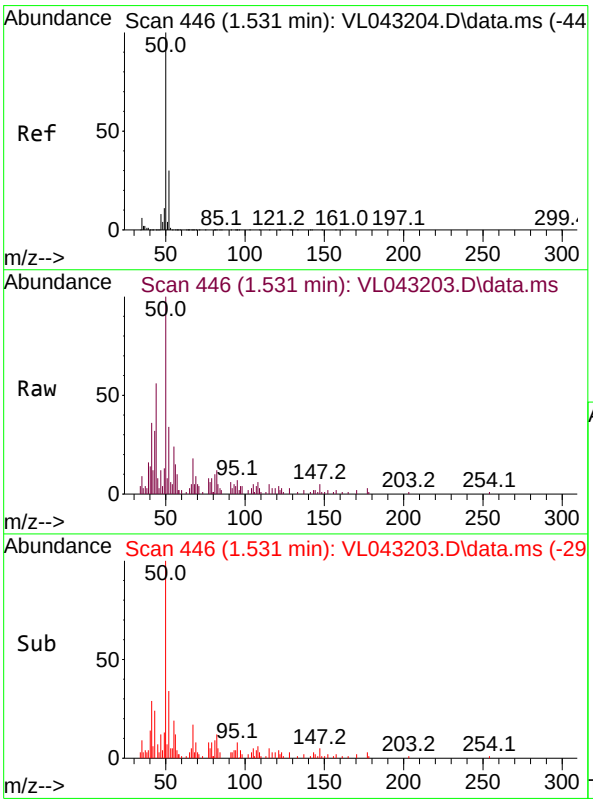
Ion	Ratio	Lower	Upper
51	100		
67	26.4	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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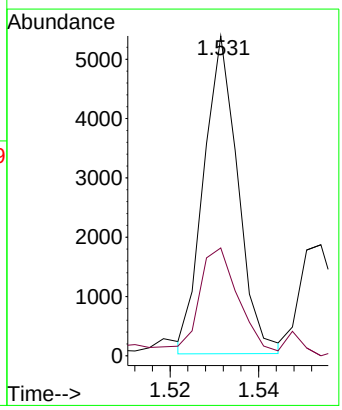
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

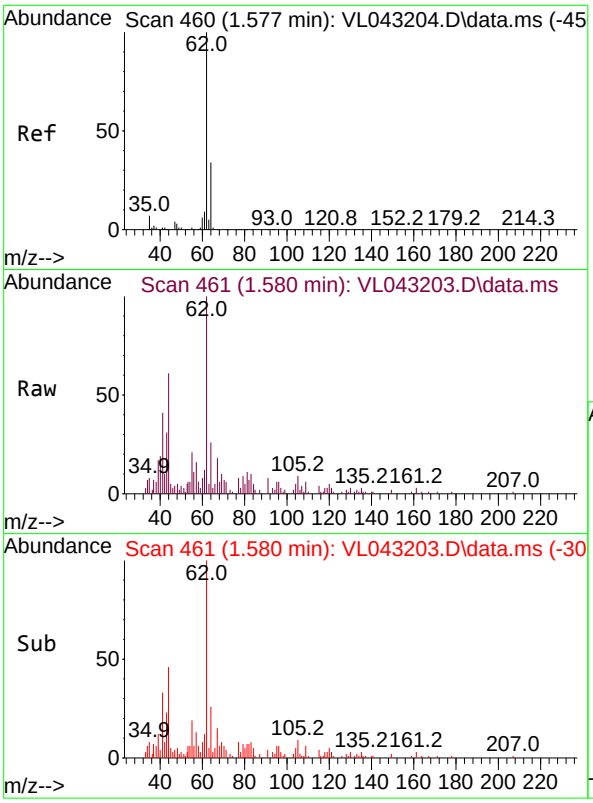


#4
Chloromethane
Concen: 0.494 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 50 Resp: 2881

Ion	Ratio	Lower	Upper
50	100		
52	33.5	24.1	36.1





#5
Vinyl Chloride
Concen: 0.462 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

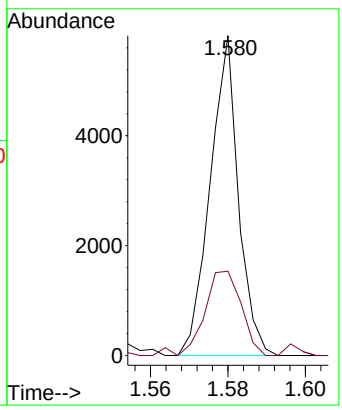
Tgt Ion: 62 Resp: 294

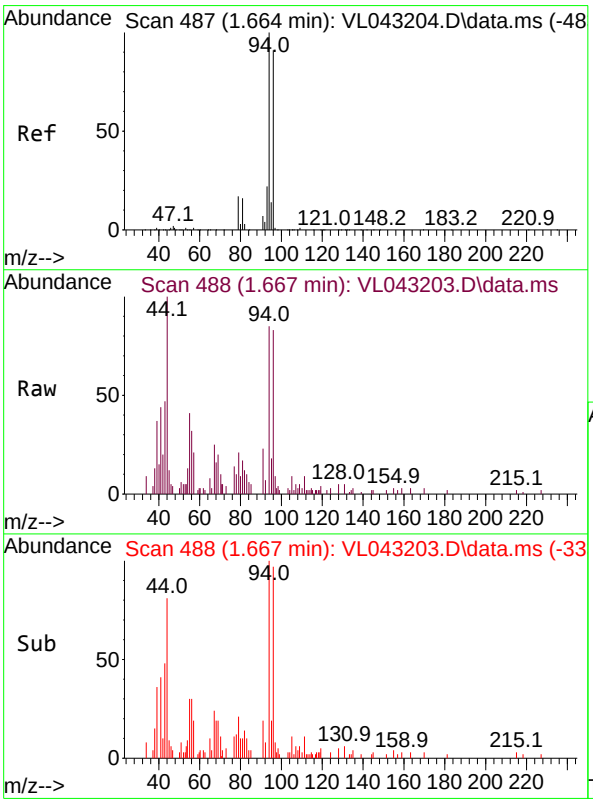
Ion	Ratio	Lower	Upper
62	100		
64	26.4	27.3	40.9#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

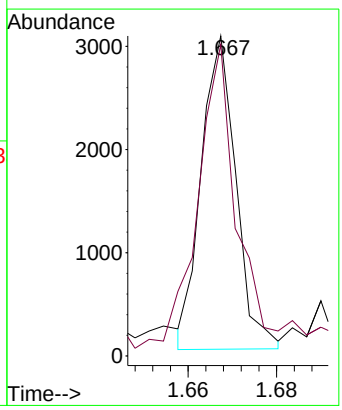


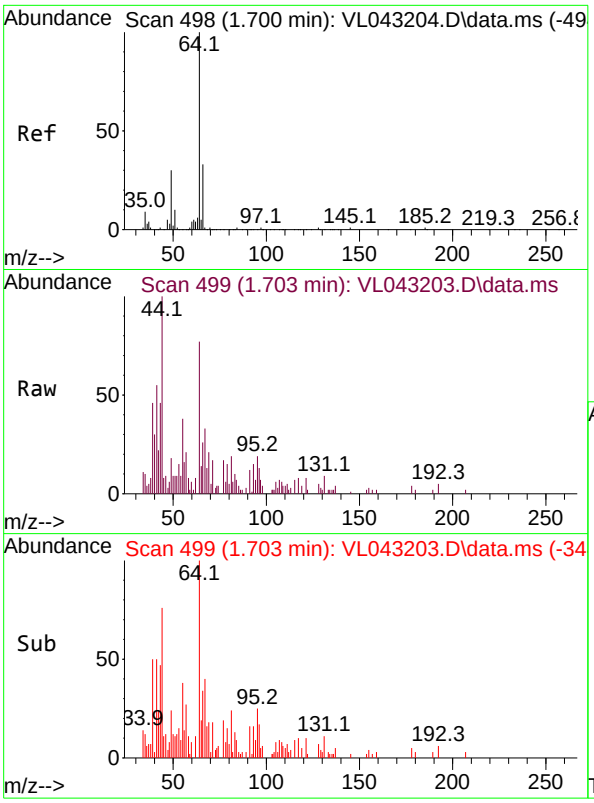


#6
Bromomethane
Concen: 0.536 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 94 Resp: 1656

Ion	Ratio	Lower	Upper
94	100		
96	93.9	72.9	109.3

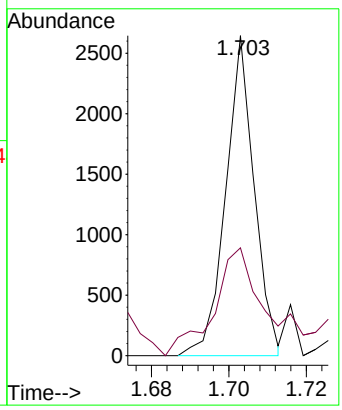




#7
Chloroethane
Concen: 0.547 ppbv
RT: 1.703 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 64 Resp: 135

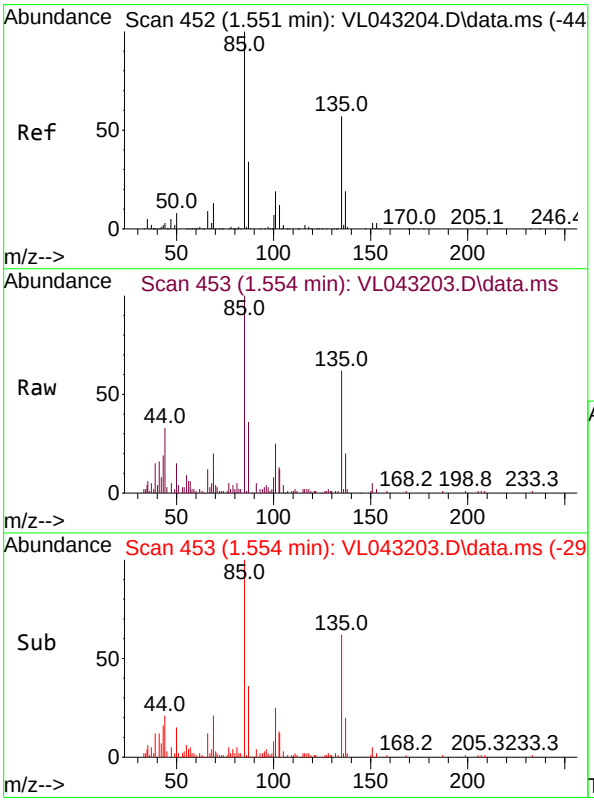
Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

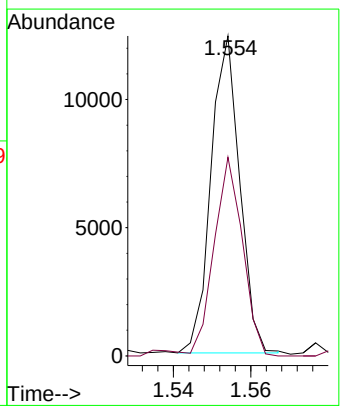
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

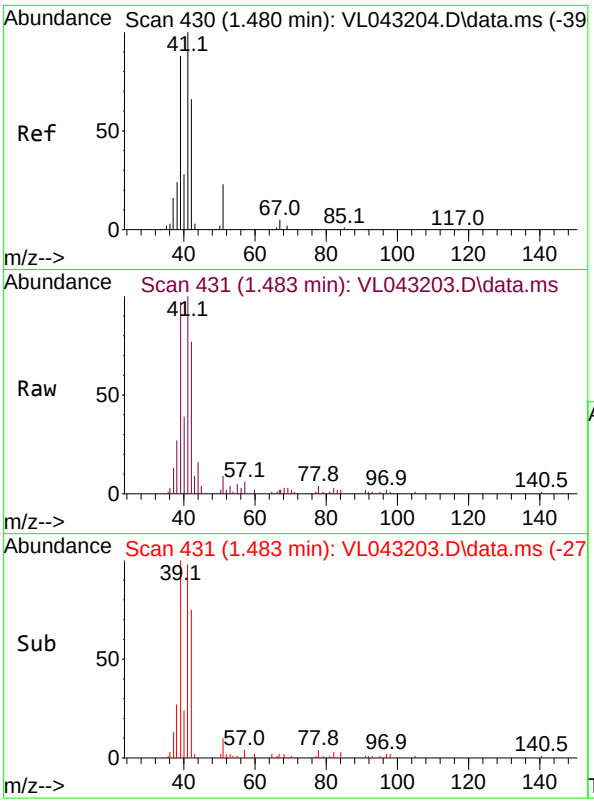


#8
Dichlorotetrafluoroethane
Concen: 0.493 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 6386

Ion	Ratio	Lower	Upper
85	100		
135	65.8	52.6	79.0

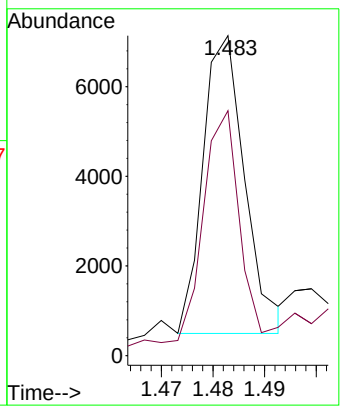




#9
Propene
Concen: 0.526 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 41 Resp: 3739

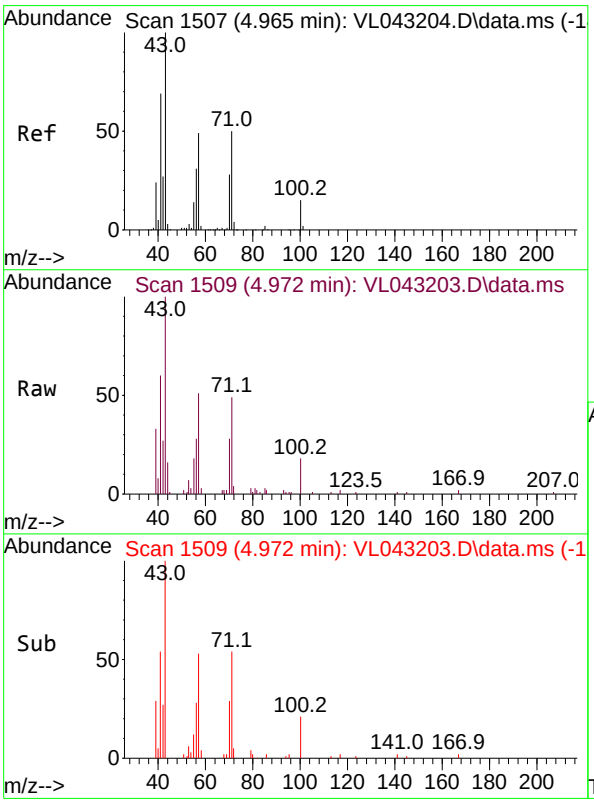
Ion	Ratio	Lower	Upper
41	100		
42	121.9	3.7	5.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

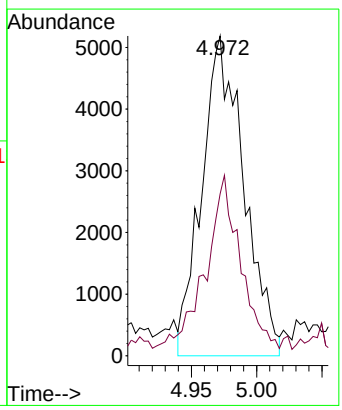
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

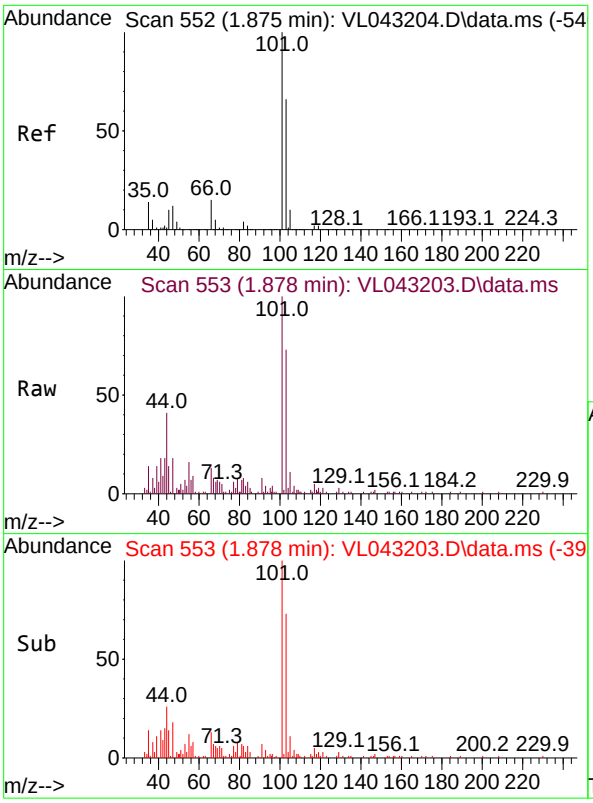


#10
Heptane
Concen: 0.597 ppbv m
RT: 4.972 min Scan# 1509
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 11637

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#

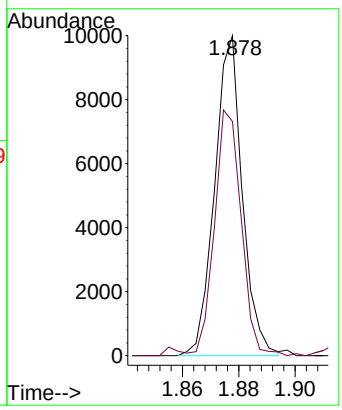




#11
Trichlorofluoromethane
Concen: 0.453 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:101 Resp: 684

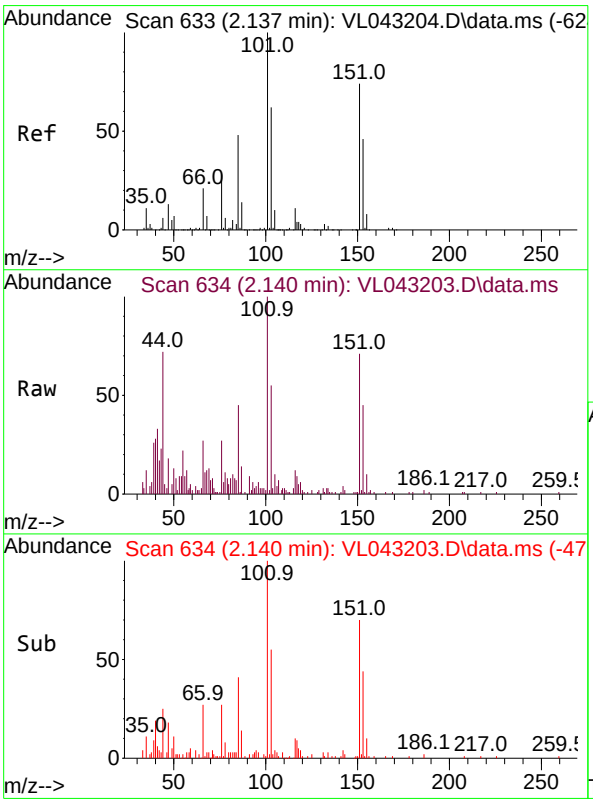
Ion	Ratio	Lower	Upper
101	100		
103	71.8	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

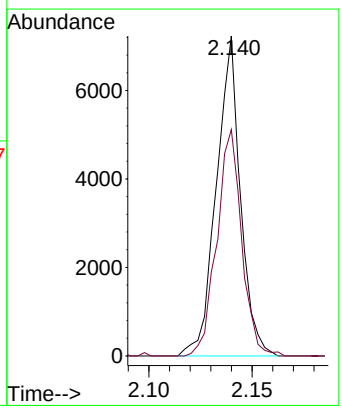
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

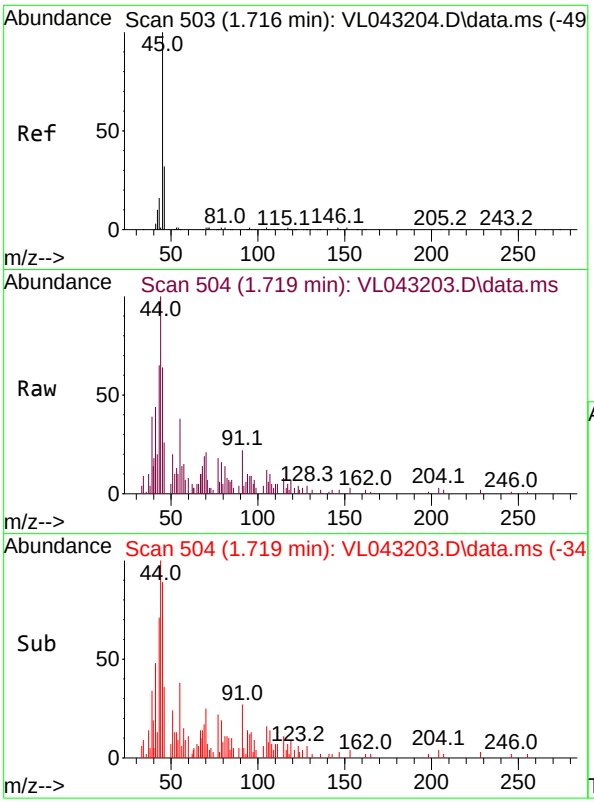


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.497 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:101 Resp: 5863

Ion	Ratio	Lower	Upper
101	100		
151	72.8	59.2	88.8

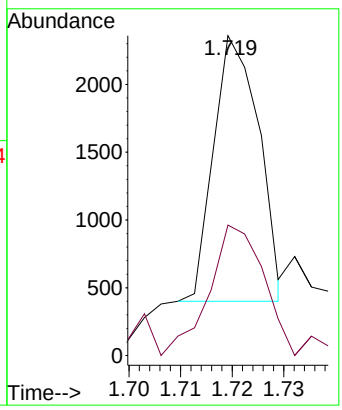




#13
Ethanol
Concen: 0.520 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 45 Resp: 119

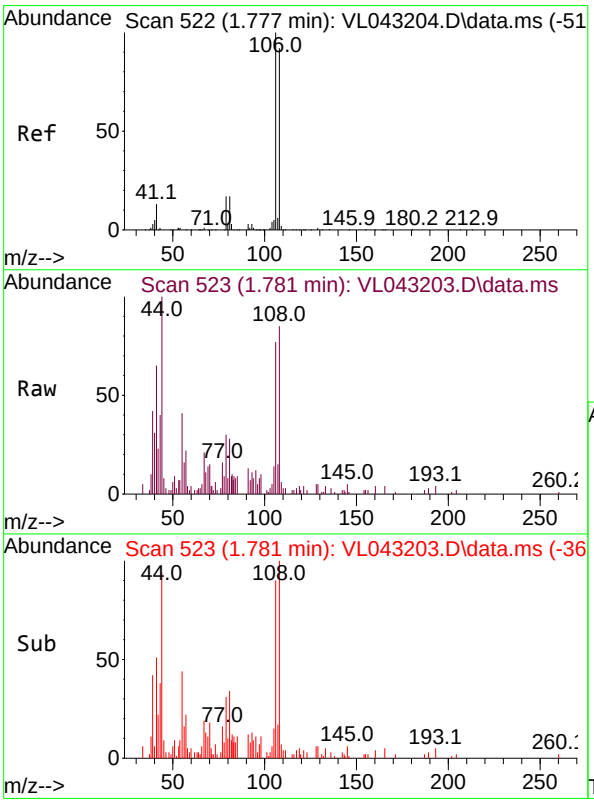
Ion	Ratio	Lower	Upper
45	100		
46	58.7	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

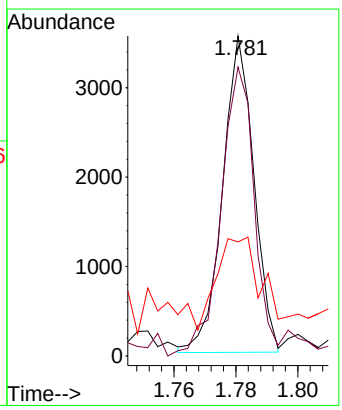
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

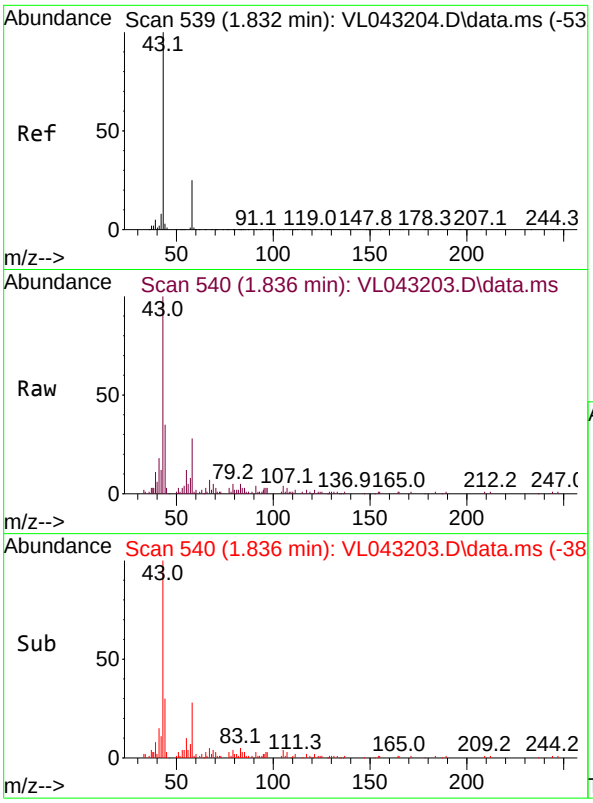


#14
Bromoethene
Concen: 0.548 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:108 Resp: 2476

Ion	Ratio	Lower	Upper
108	100		
106	126.4	88.9	133.3
79	58.5	16.5	24.7#





#15
Acetone
Concen: 0.619 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

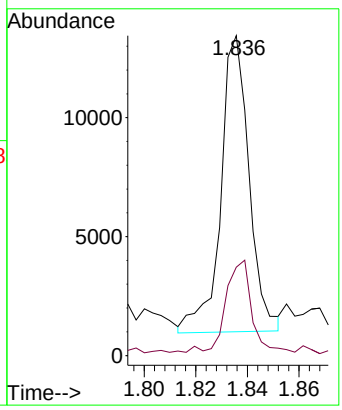
Tgt Ion: 43 Resp: 950

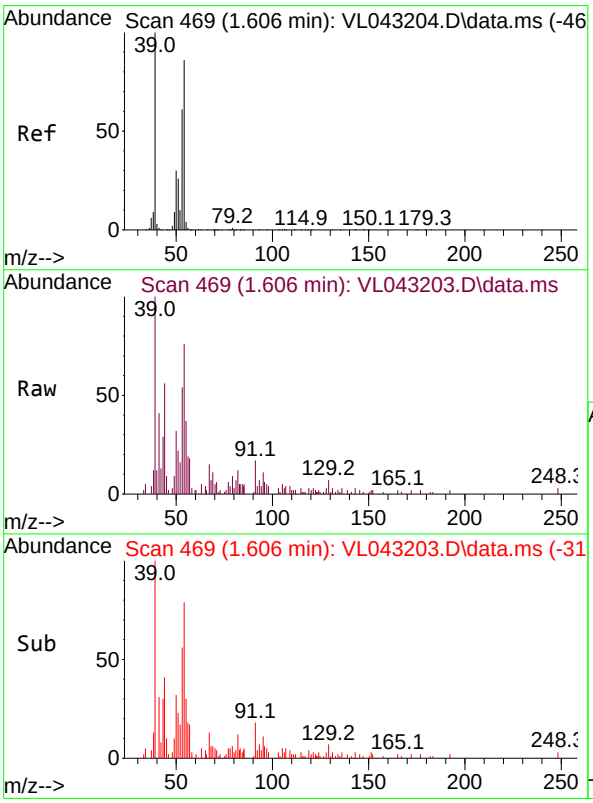
Ion	Ratio	Lower	Upper
43	100		
58	32.0	20.7	31.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

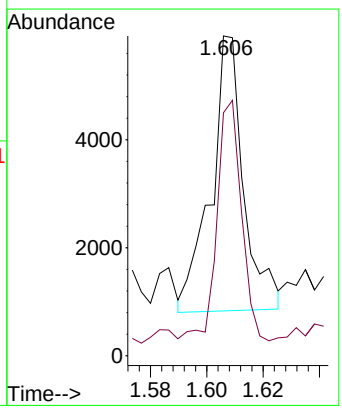


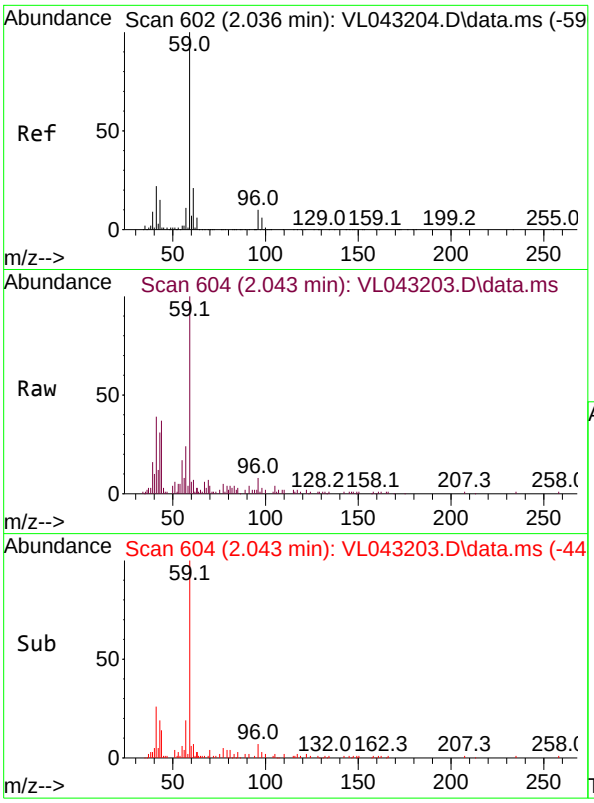


#16
1,3-Butadiene
Concen: 0.601 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 39 Resp: 4115

Ion	Ratio	Lower	Upper
39	100		
54	70.0	59.4	89.2

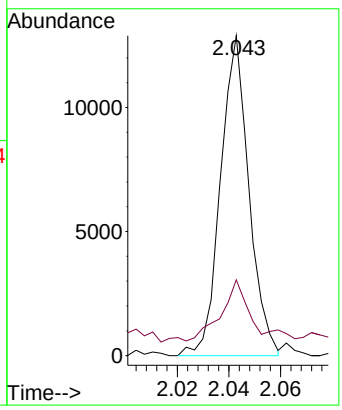




#17
tert-Butyl alcohol
Concen: 0.489 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 59 Resp: 985

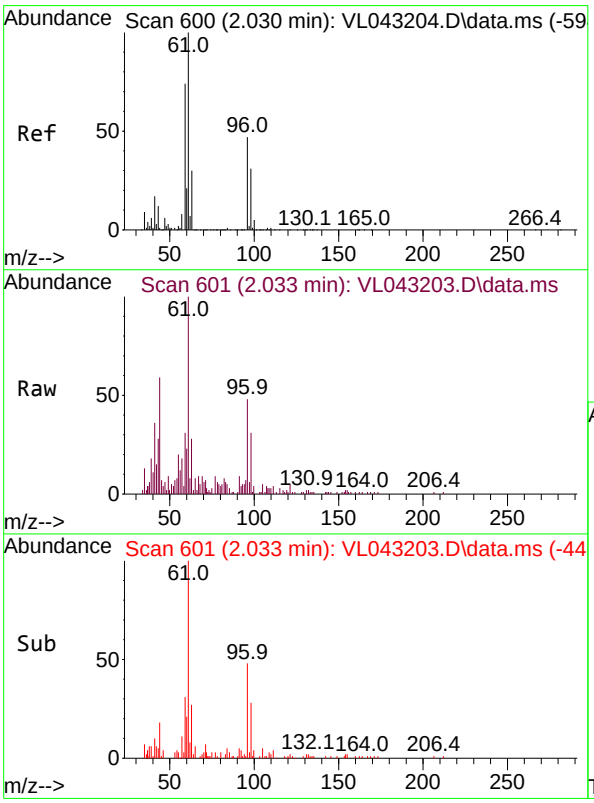
Ion	Ratio	Lower	Upper
59	100		
57	23.3	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

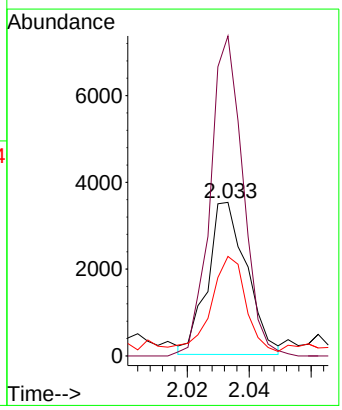
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

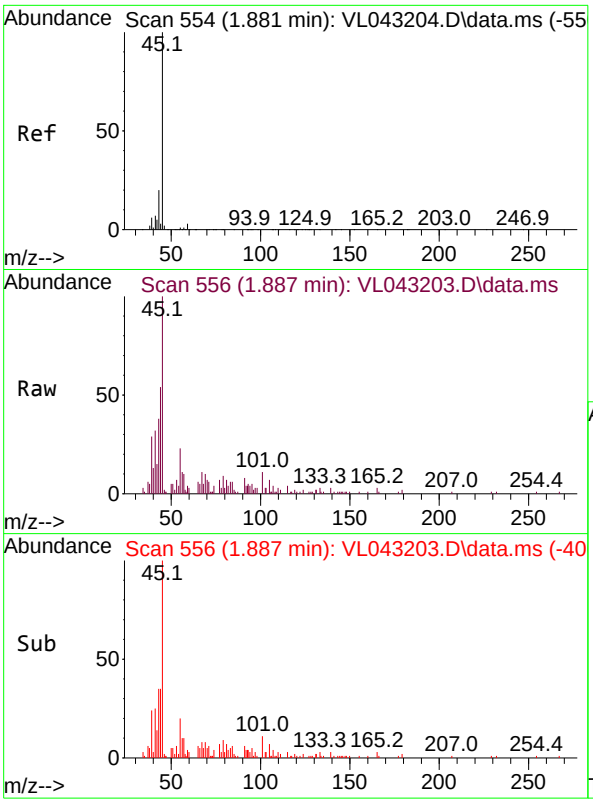


#18
1,1-Dichloroethene
Concen: 0.559 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 96 Resp: 3068

Ion	Ratio	Lower	Upper
96	100		
61	220.0	170.6	255.8
98	66.3	52.2	78.4

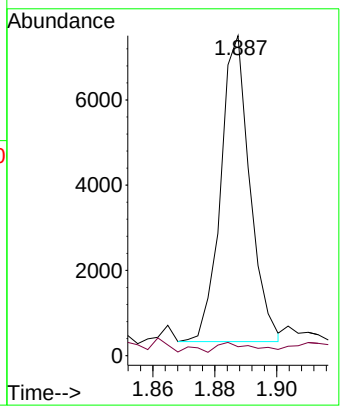




#19
Isopropyl Alcohol
Concen: 0.540 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 45 Resp: 468

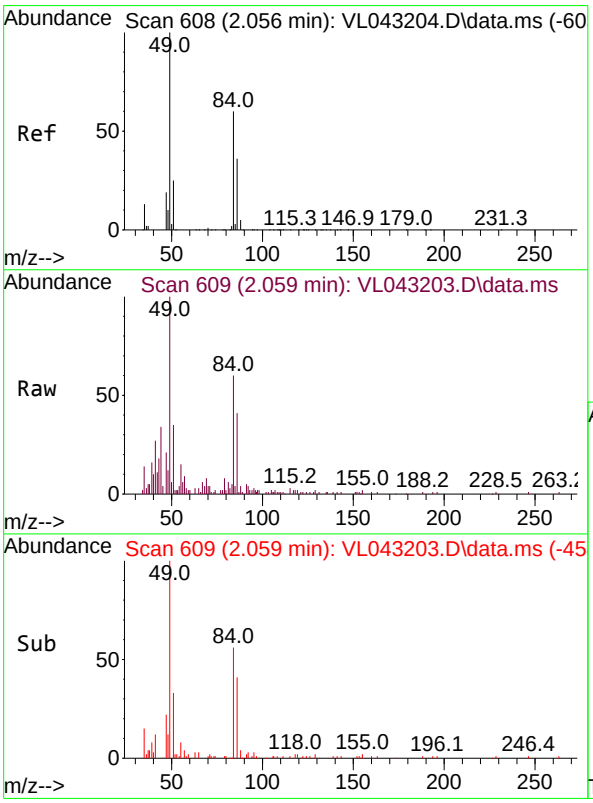
Ion	Ratio	Lower	Upper
45	100		
58	9.0	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

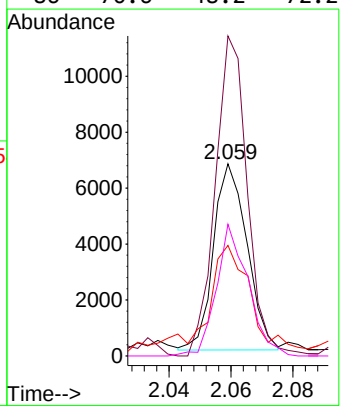
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

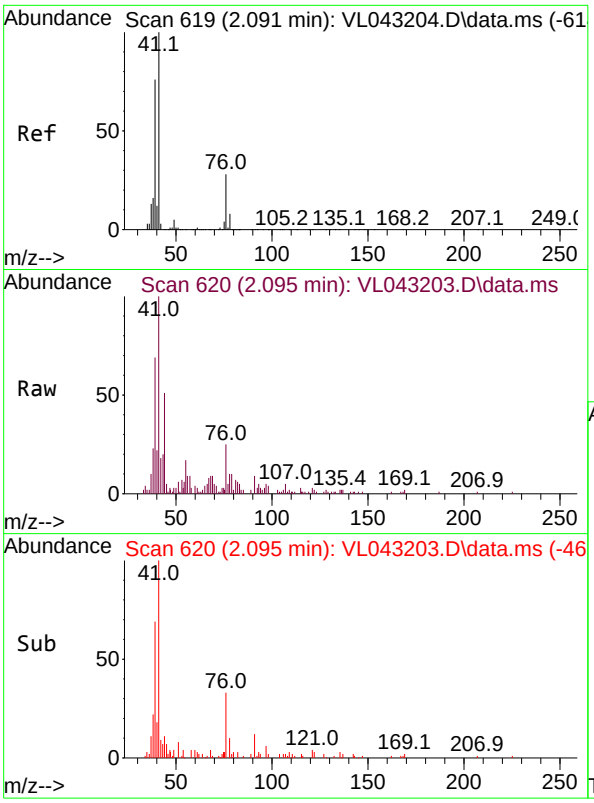


#20
Methylene Chloride
Concen: 0.349 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 5006

Ion	Ratio	Lower	Upper
84	100		
49	173.9	132.9	199.3
51	48.8	34.8	52.2
86	70.6	48.2	72.2

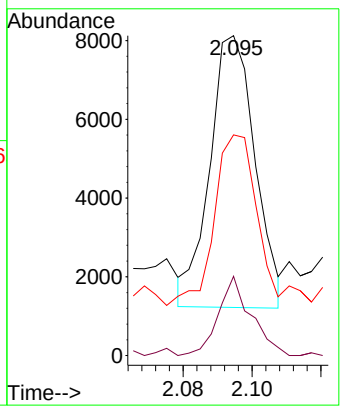




#21
Allyl Chloride
Concen: 0.609 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 41 Resp: 629

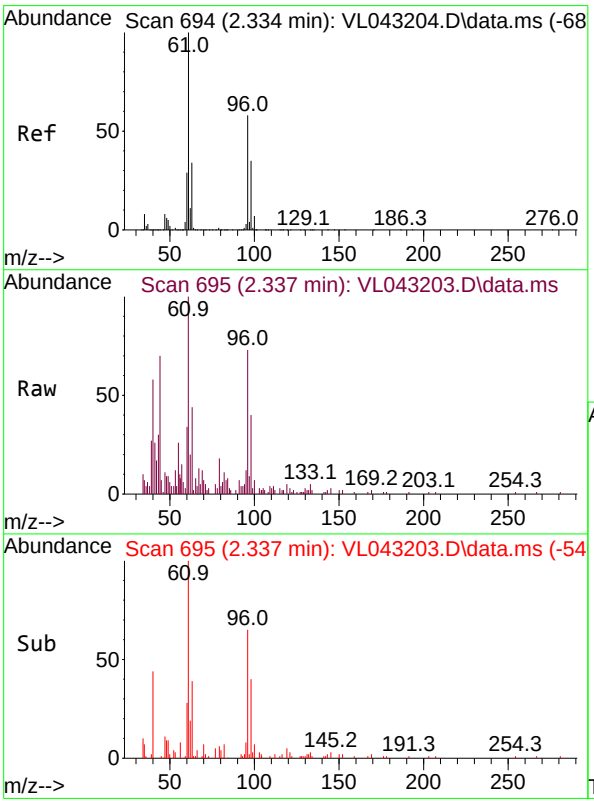
Ion	Ratio	Lower	Upper
41	100		
76	22.2	22.1	33.1
39	73.5	61.0	91.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

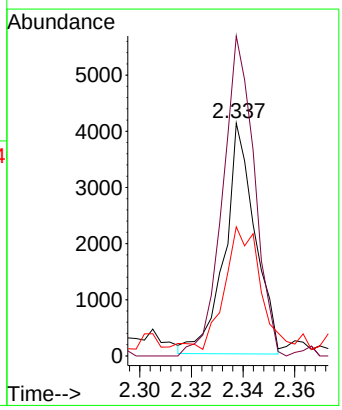
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

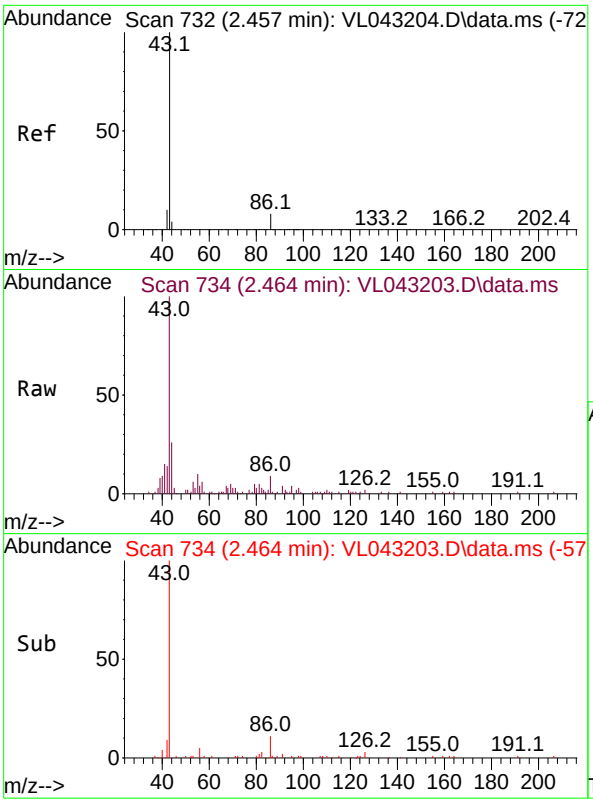


#22
trans-1,2-Dichloroethene
Concen: 0.533 ppbv
RT: 2.337 min Scan# 695
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 96 Resp: 3343

Ion	Ratio	Lower	Upper
96	100		
61	141.8	139.0	208.6
98	51.7	49.4	74.2

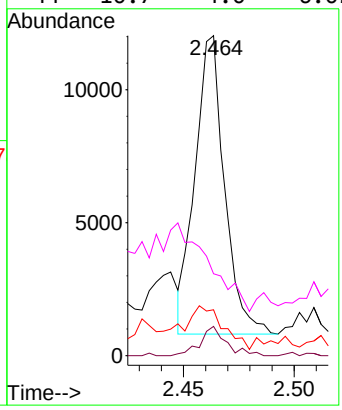




#23
Vinyl Acetate
Concen: 0.562 ppbv
RT: 2.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 1041

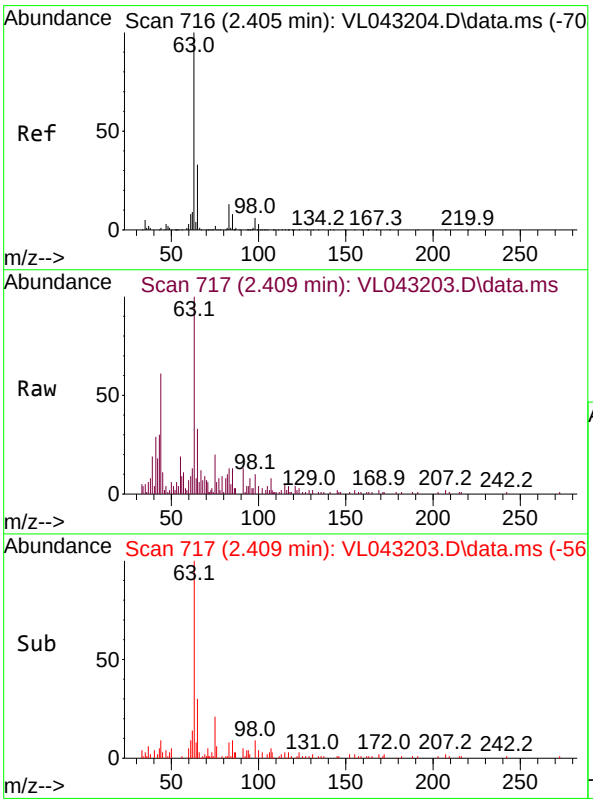
Ion	Ratio	Lower	Upper
43	100		
86	10.8	6.2	9.2#
42	11.4	8.0	12.0
44	10.7	4.0	6.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

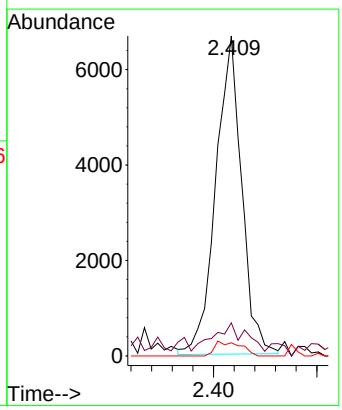
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

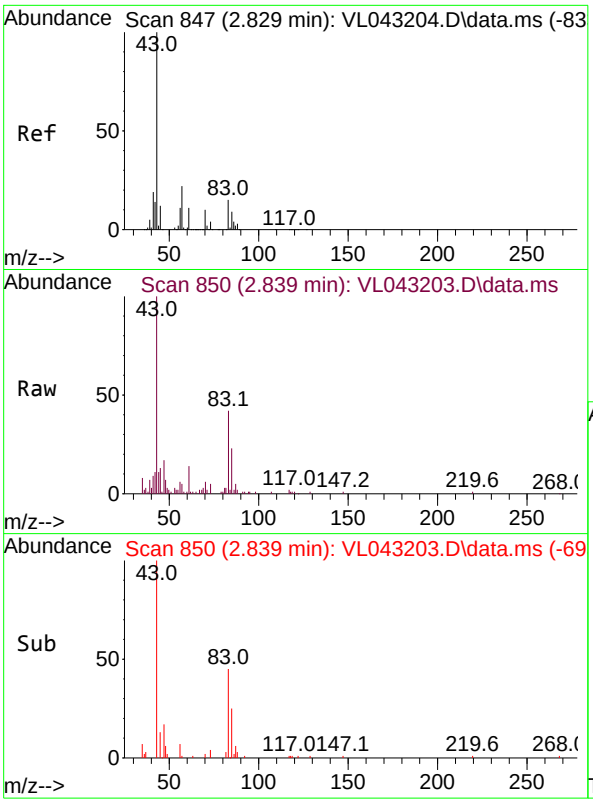


#24
1,1-Dichloroethane
Concen: 0.479 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 63 Resp: 5803

Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.8	8.4
100	4.2	1.3	3.9#

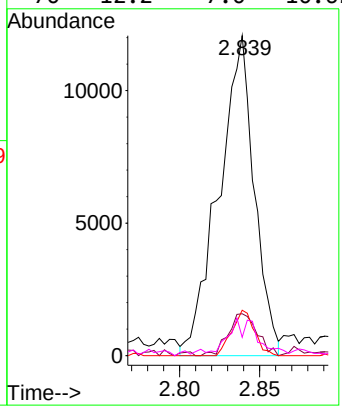




#25
Ethyl Acetate
Concen: 0.562 ppbv m
RT: 2.839 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 1862

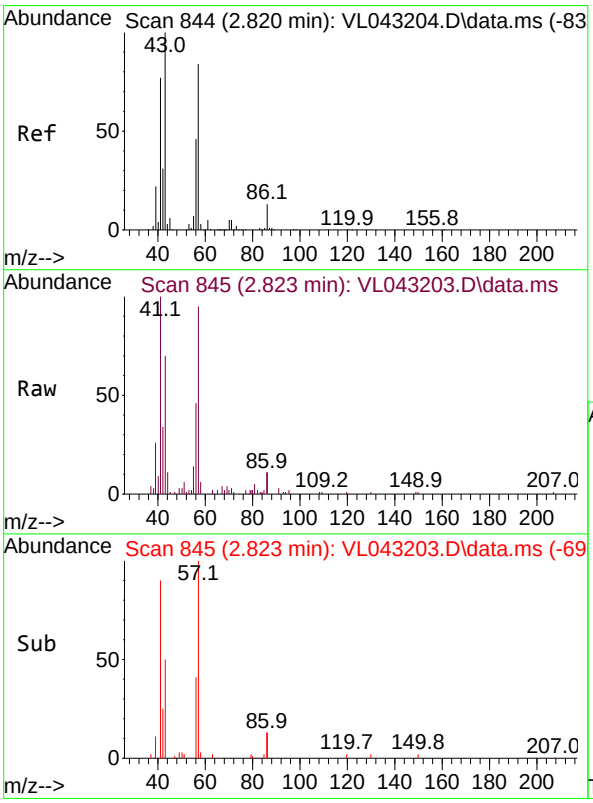
Ion	Ratio	Lower	Upper
43	100		
45	11.2	8.1	12.1
61	9.0	7.0	10.4
70	12.2	7.0	10.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

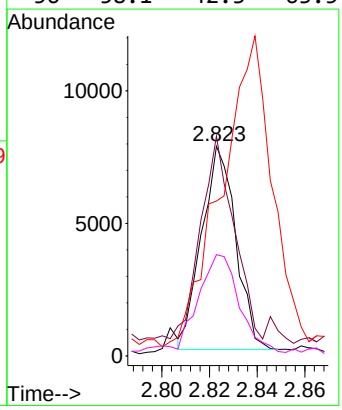
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

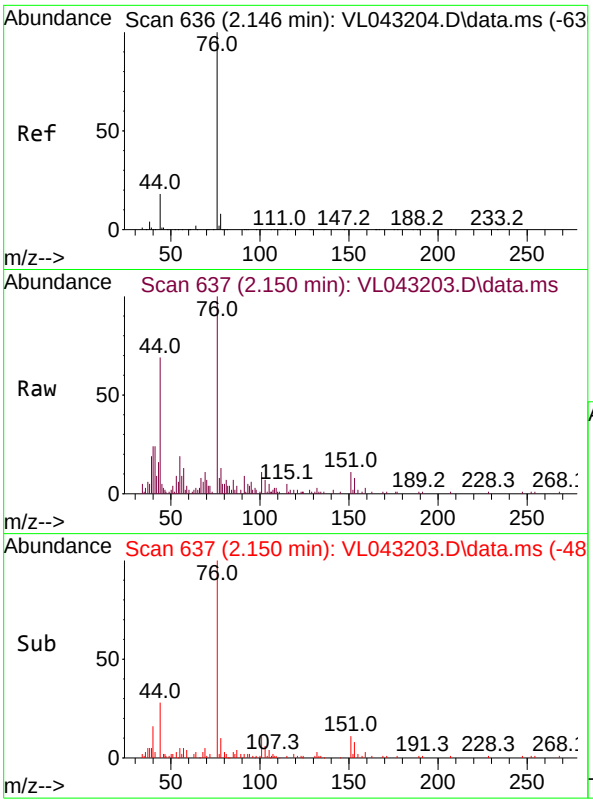


#26
Hexane
Concen: 0.523 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 57 Resp: 7589

Ion	Ratio	Lower	Upper
57	100		
41	114.6	74.6	111.8#
43	229.7	179.0	268.4
56	58.1	42.3	63.5

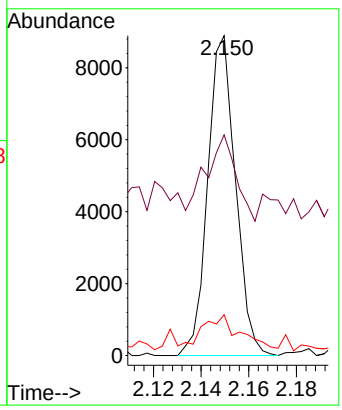




#27
Carbon Disulfide
Concen: 0.486 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 76 Resp: 719

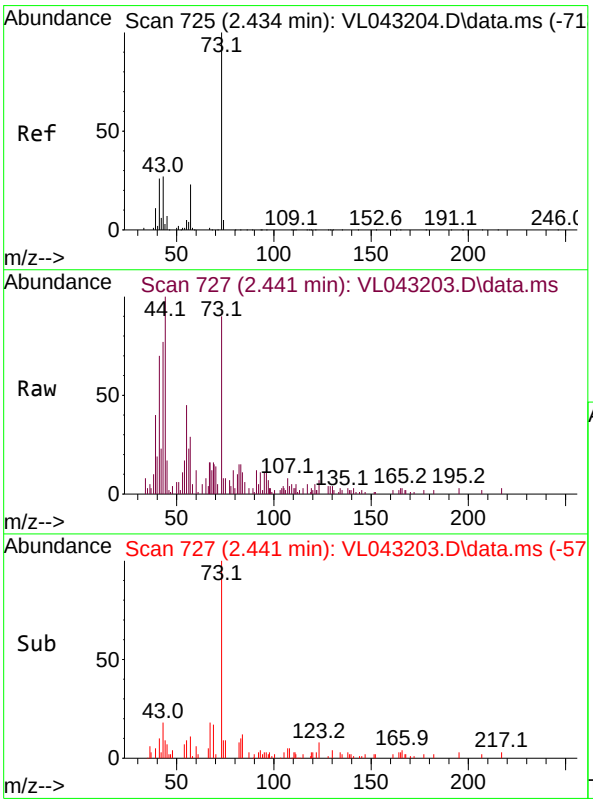
Ion	Ratio	Lower	Upper
76	100		
44	115.9	16.1	24.1#
78	26.4	9.6	14.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

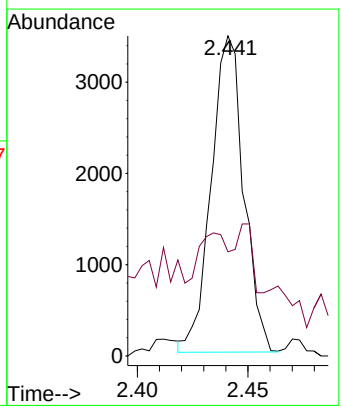
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

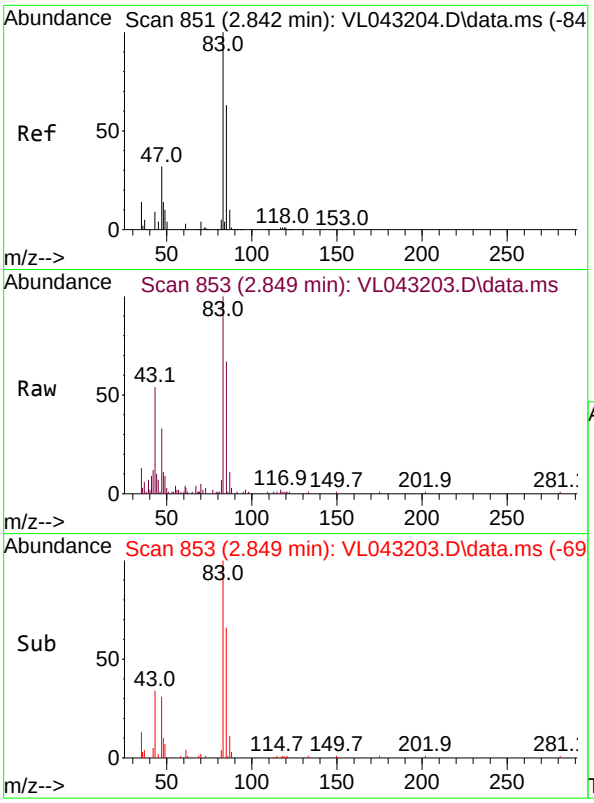


#28
Methyl tert-Butyl Ether
Concen: 0.498 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 73 Resp: 3545

Ion	Ratio	Lower	Upper
73	100		
57	67.2	19.8	29.8#





#29
Chloroform
Concen: 0.523 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

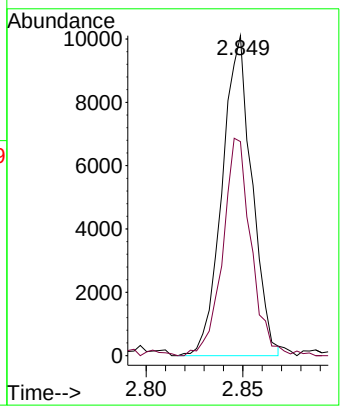
Tgt Ion: 83 Resp: 1080

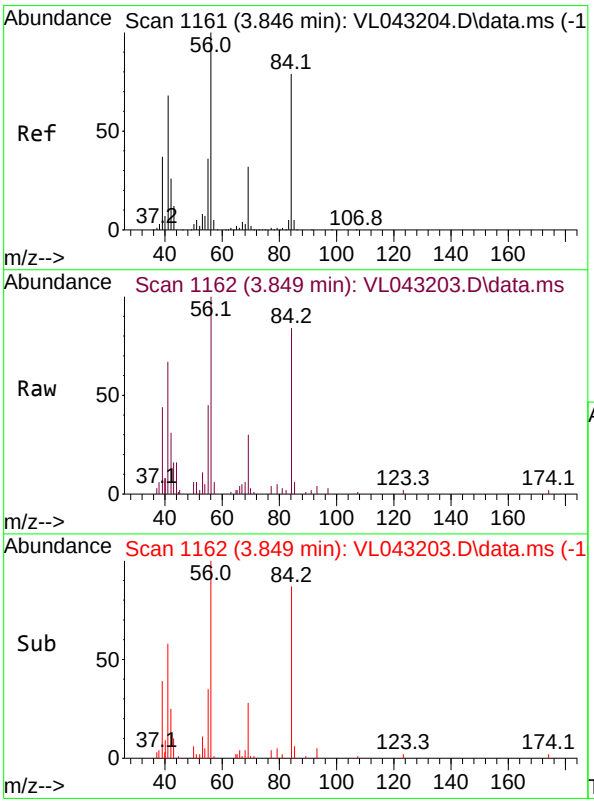
Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.5	75.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

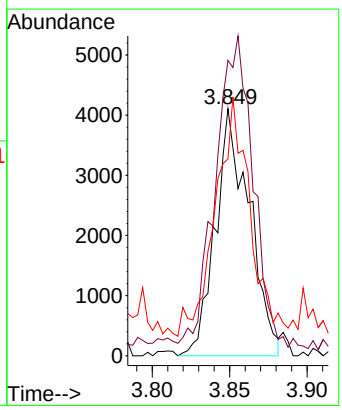


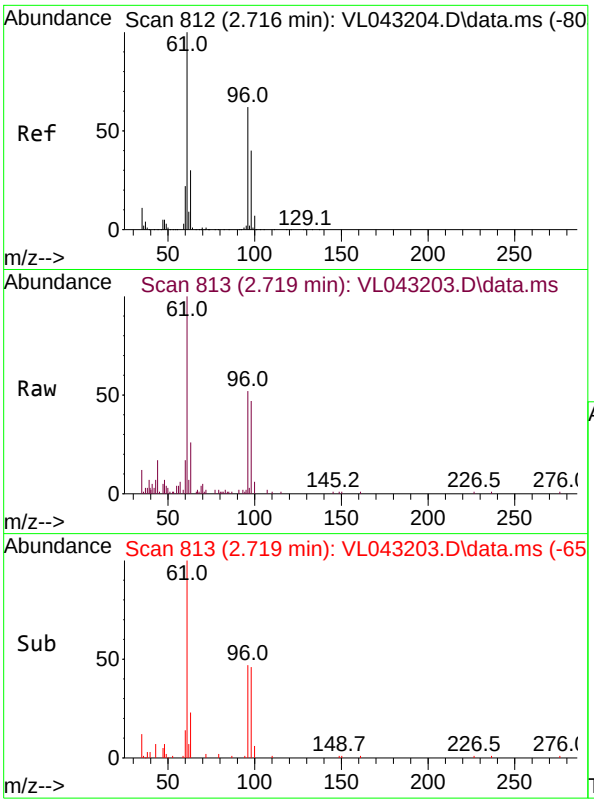


#30
Cyclohexane
Concen: 0.515 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 6271

Ion	Ratio	Lower	Upper
84	100		
56	148.3	104.7	157.1
41	99.3	69.0	103.6

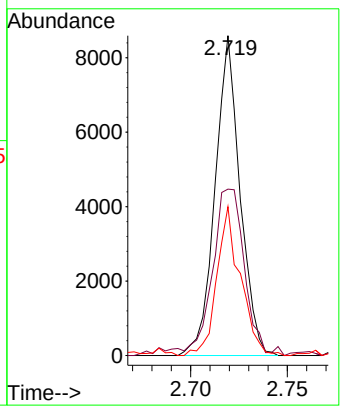




#31
cis-1,2-Dichloroethene
Concen: 0.536 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 61 Resp: 772

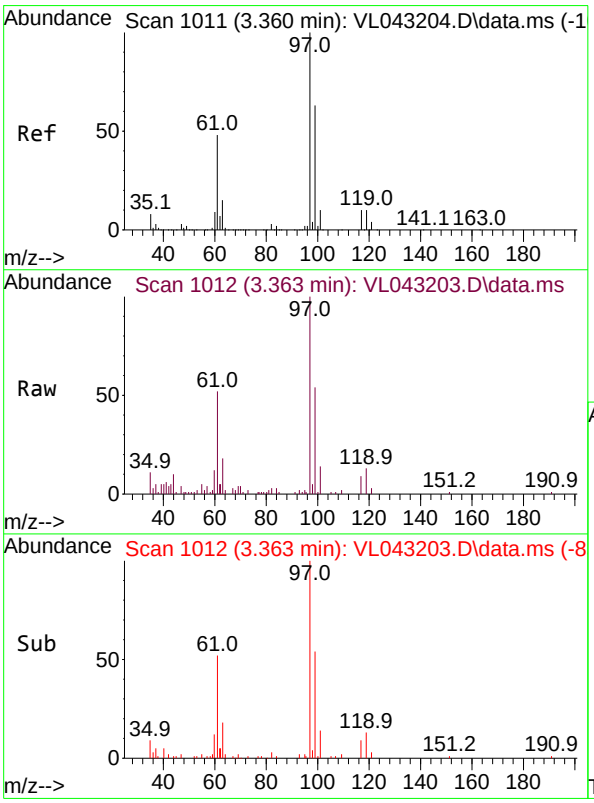
Ion	Ratio	Lower	Upper
61	100		
96	49.8	49.3	73.9
98	46.5	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

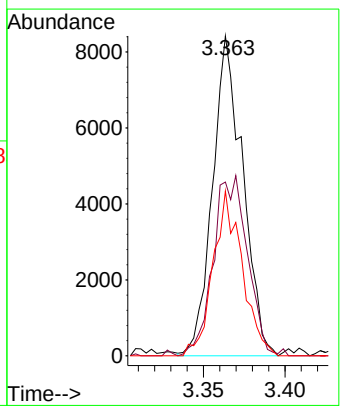
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

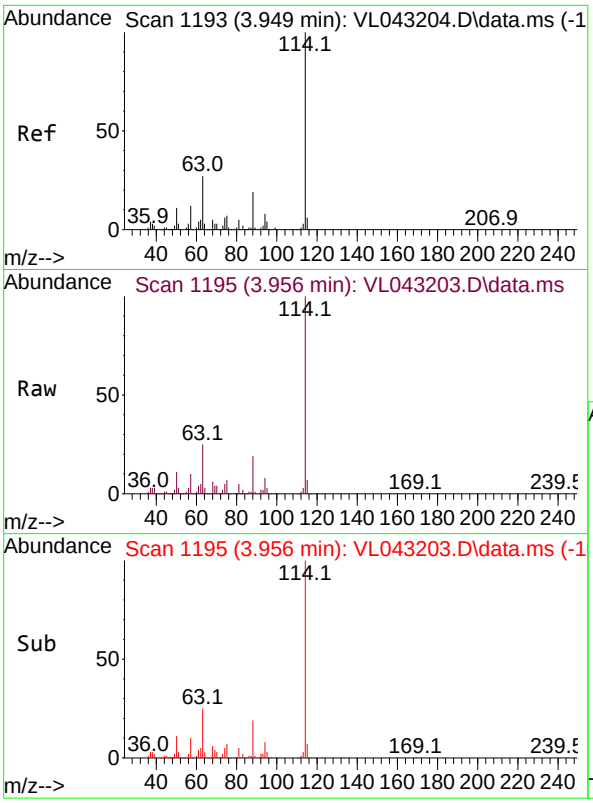


#32
1,1,1-Trichloroethane
Concen: 0.490 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 97 Resp: 10886

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.3	75.5
61	49.5	38.9	58.3

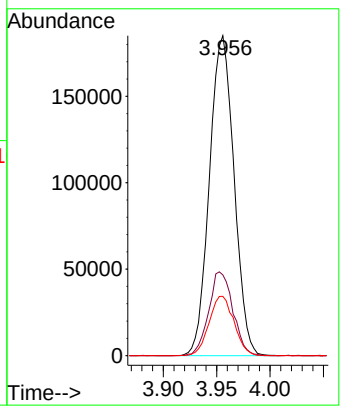




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:114 Resp: 29649

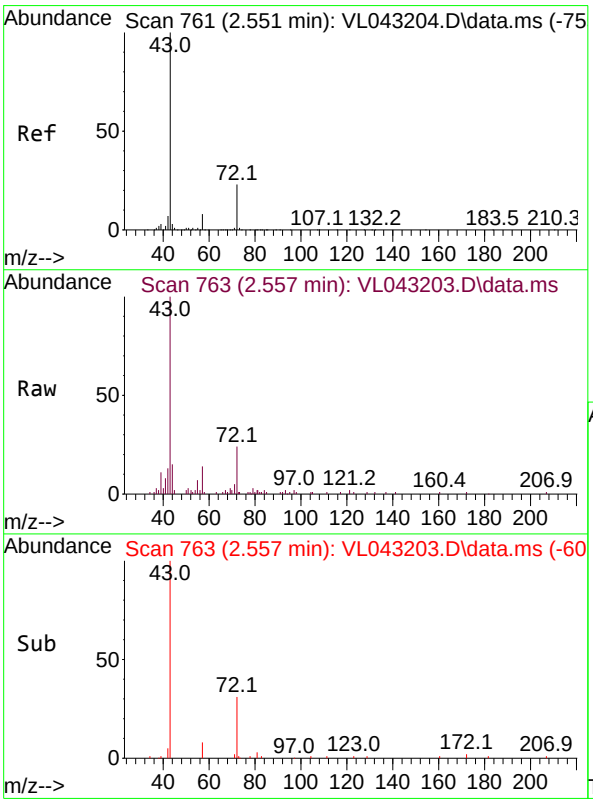
Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	18.8	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

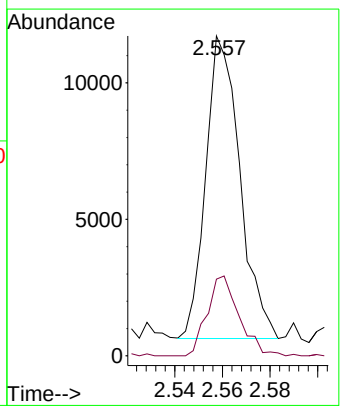
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

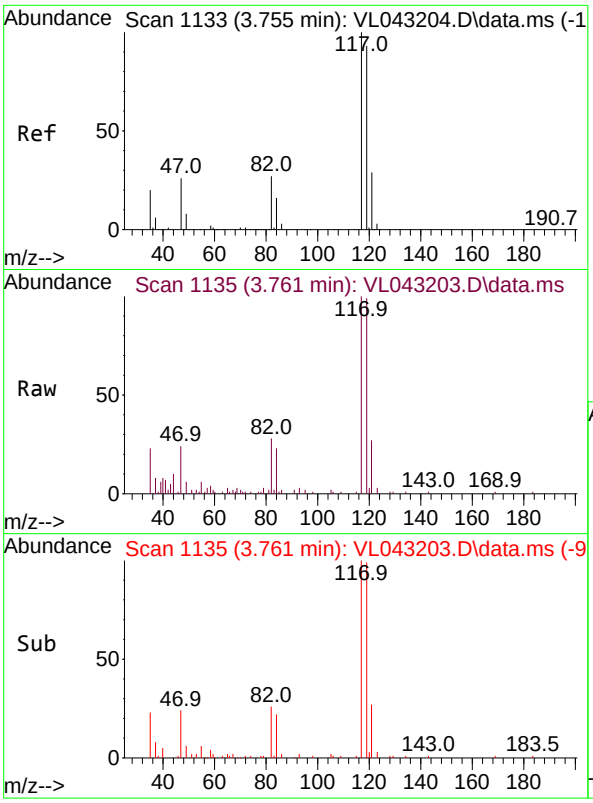


#34
2-Butanone
Concen: 0.527 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 11026

Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.1	27.1

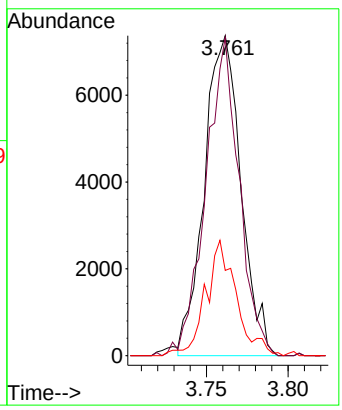




#35
Carbon Tetrachloride
Concen: 0.513 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:117 Resp: 1155

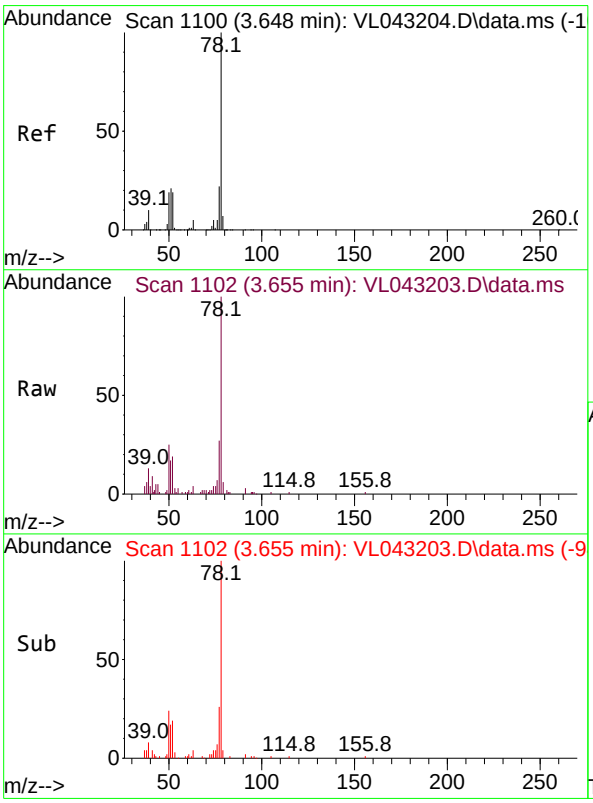
Ion	Ratio	Lower	Upper
117	100		
119	99.4	74.6	112.0
121	25.7	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

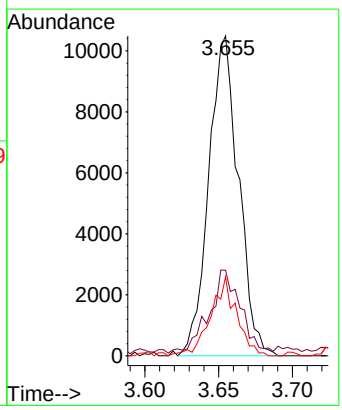
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

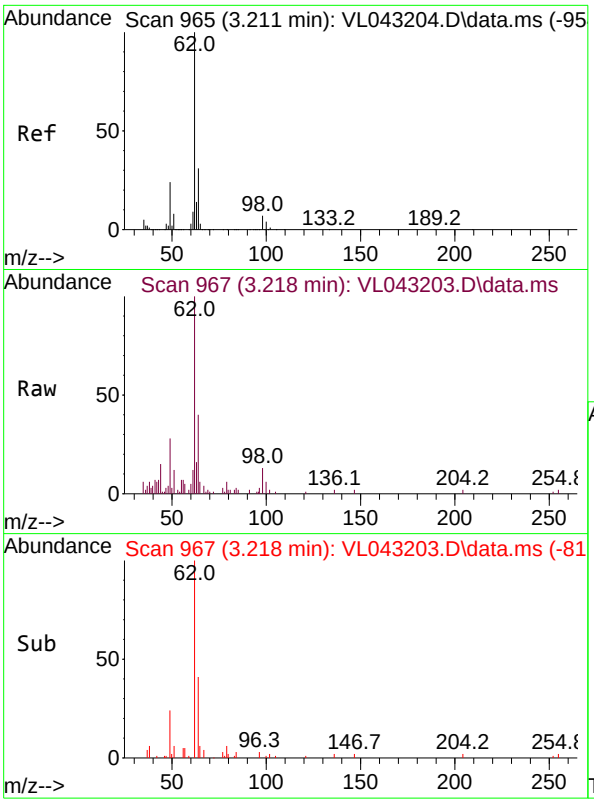


#36
Benzene
Concen: 0.520 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 78 Resp: 14759

Ion	Ratio	Lower	Upper
78	100		
77	24.6	17.5	26.3
50	24.7	15.5	23.3#

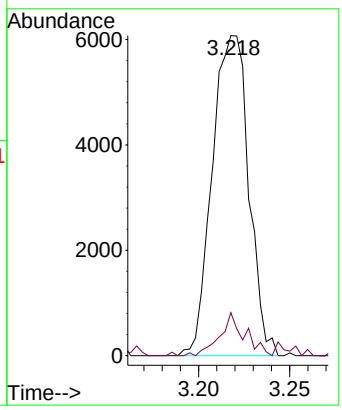




#37
1,2-Dichloroethane
Concen: 0.510 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 62 Resp: 847

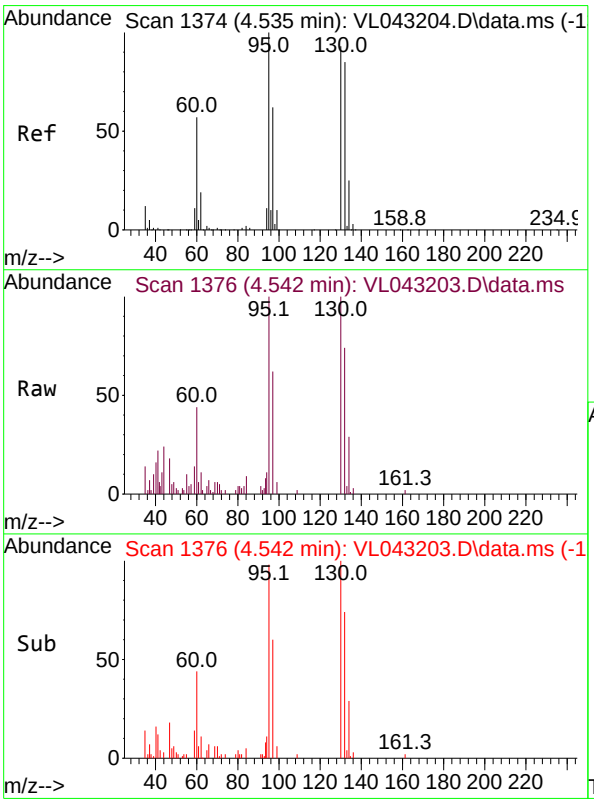
Ion	Ratio	Lower	Upper
62	100		
98	9.2	5.5	8.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

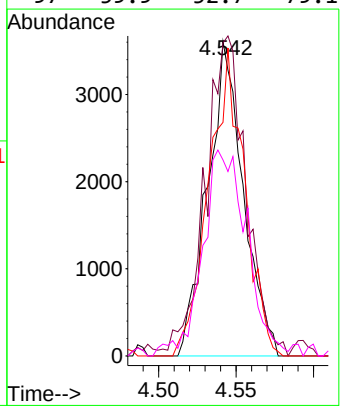
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

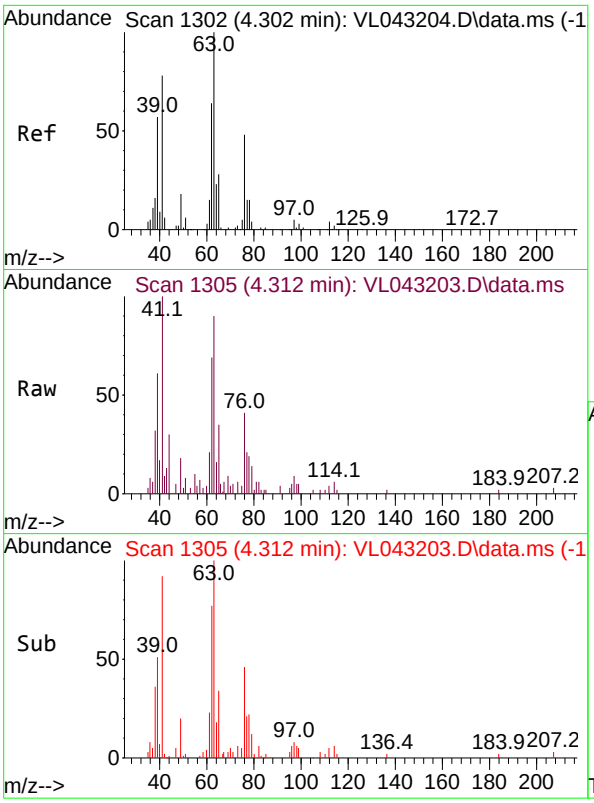


#38
Trichloroethene
Concen: 0.519 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:130 Resp: 5775

Ion	Ratio	Lower	Upper
130	100		
95	96.0	85.7	128.5
132	72.9	73.4	110.0#
97	59.9	52.7	79.1

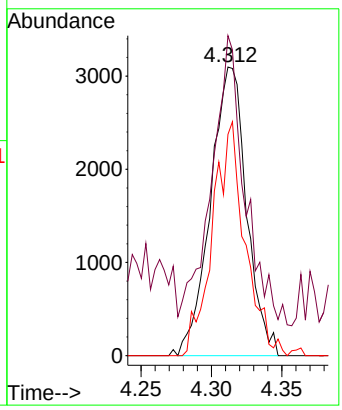




#39
1,2-Dichloropropane
Concen: 0.530 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 63 Resp: 551

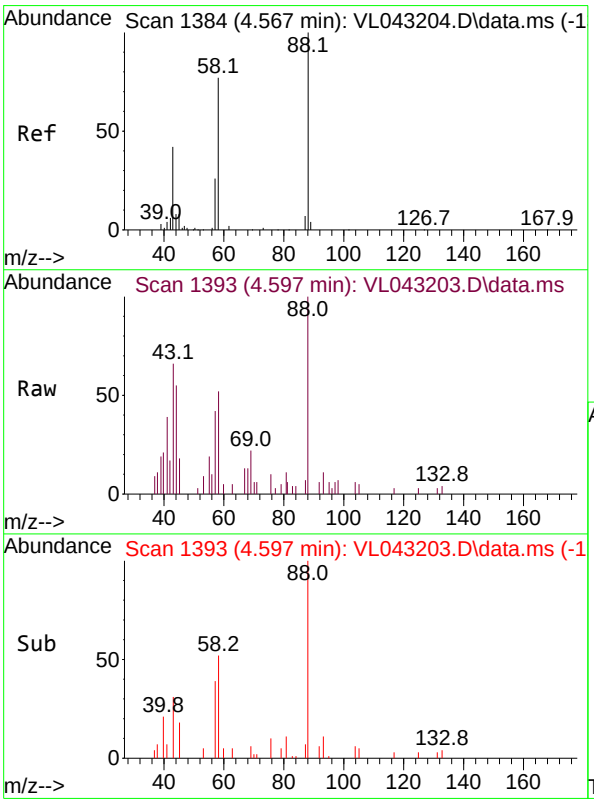
Ion	Ratio	Lower	Upper
63	100		
41	98.4	62.6	93.8#
62	76.7	51.0	76.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

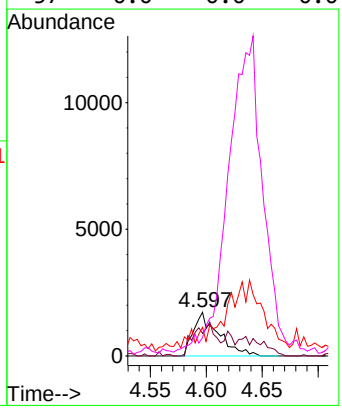
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

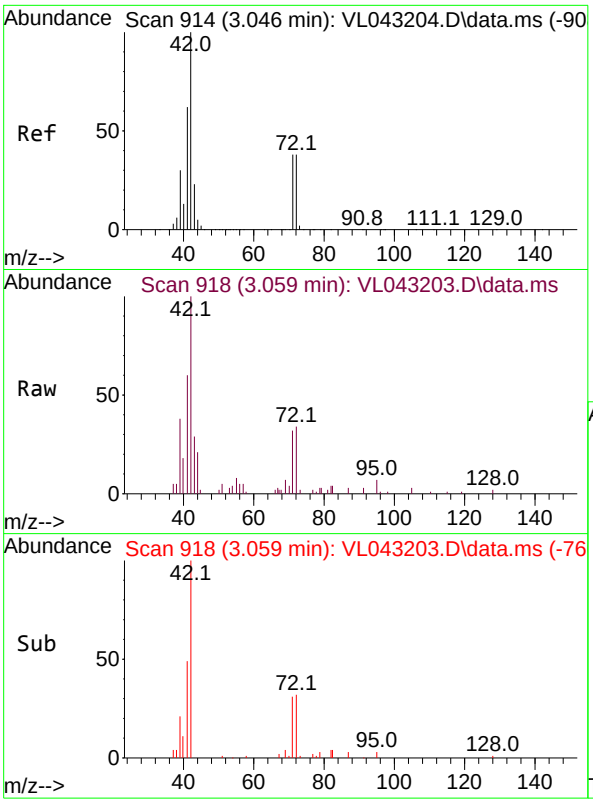


#40
1,4-Dioxane
Concen: 0.573 ppbv m
RT: 4.597 min Scan# 1393
Delta R.T. 0.029 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 88 Resp: 2675

Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.0	94.6#
43	19.9	32.5	48.7#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.536 ppbv
RT: 3.059 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

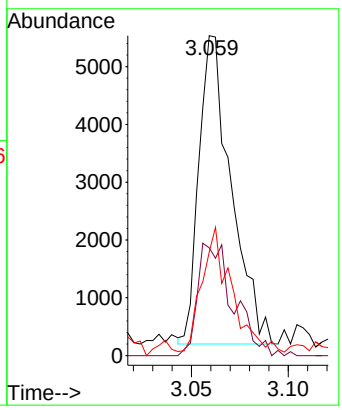
Tgt Ion: 42 Resp: 619

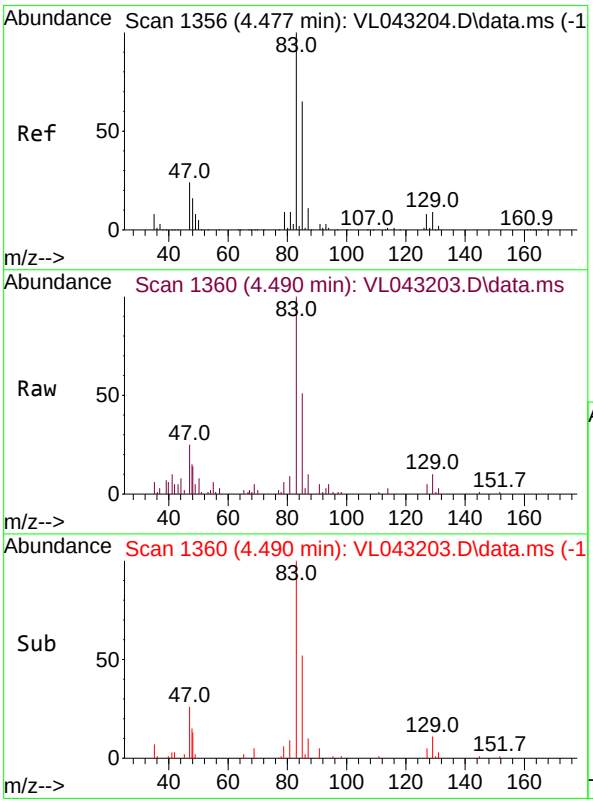
Ion	Ratio	Lower	Upper
42	100		
72	40.2	30.6	46.0
71	42.1	30.5	45.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

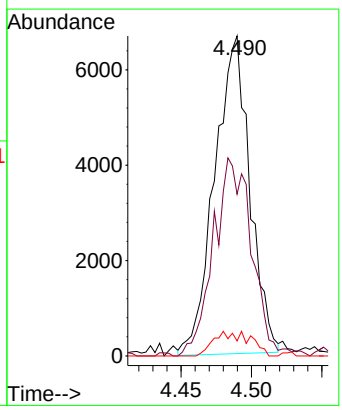


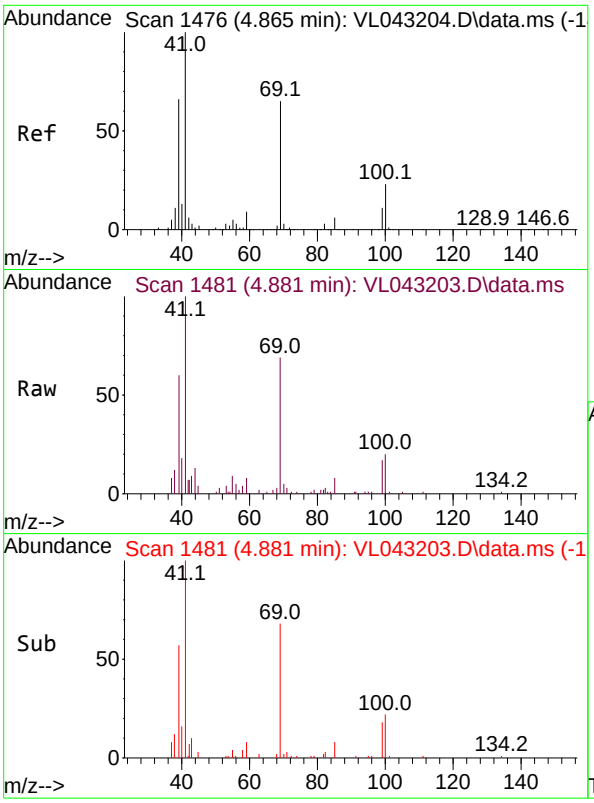


#42
Bromodichloromethane
Concen: 0.506 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 83 Resp: 11597

Ion	Ratio	Lower	Upper
83	100		
85	51.4	51.7	77.5#
127	4.8	6.3	9.5#

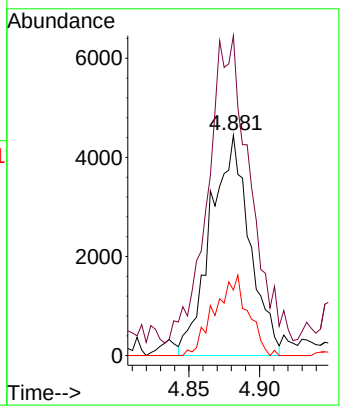




#43
Methyl Methacrylate
Concen: 0.566 ppbv m
RT: 4.881 min Scan# 14
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 69 Resp: 853

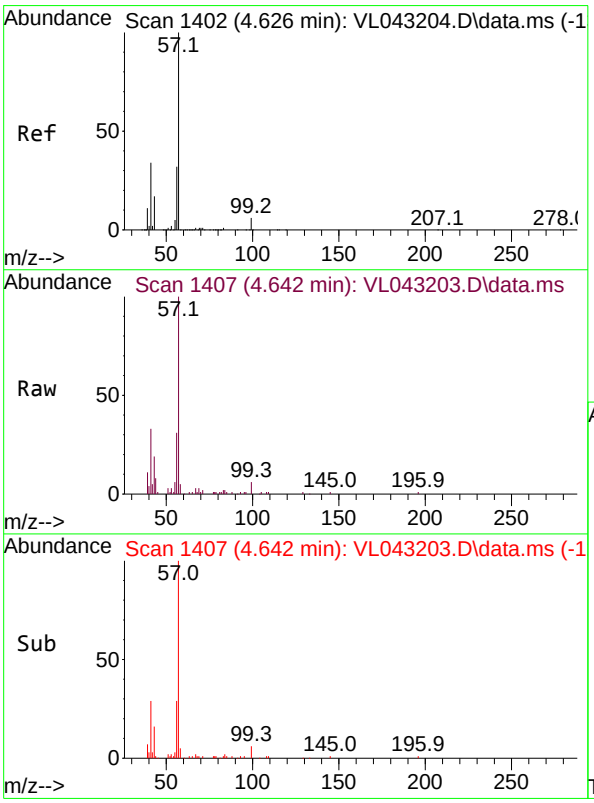
Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.7	190.1#
100	0.0	28.6	43.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

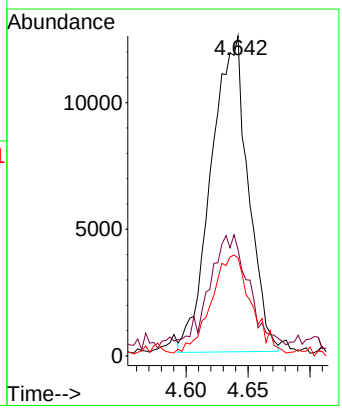
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

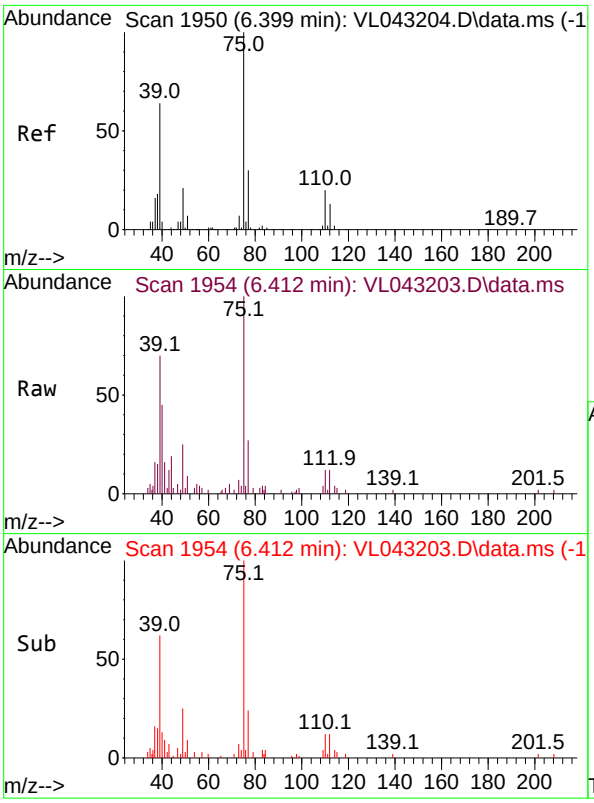


#44
2,2,4-Trimethylpentane
Concen: 0.531 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 57 Resp: 25890

Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.0	42.0
56	36.9	25.6	38.4

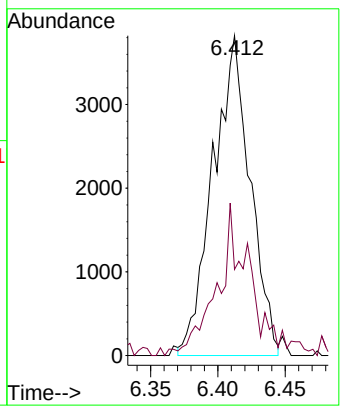




#45
t-1,3-Dichloropropene
Concen: 0.523 ppbv
RT: 6.412 min Scan# 19
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 75 Resp: 7343

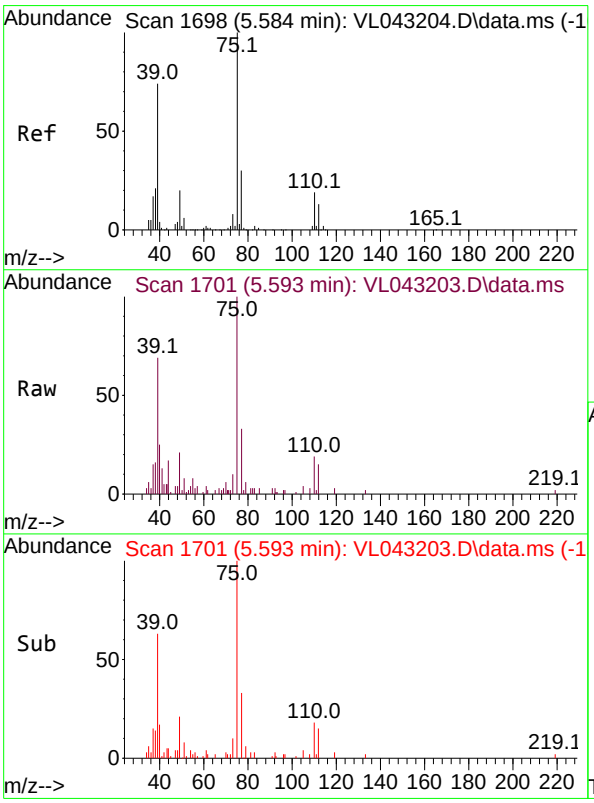
Ion	Ratio	Lower	Upper
75	100		
77	26.9	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

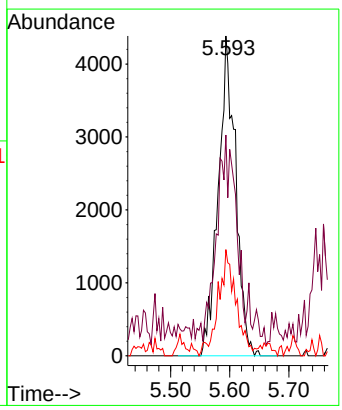
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

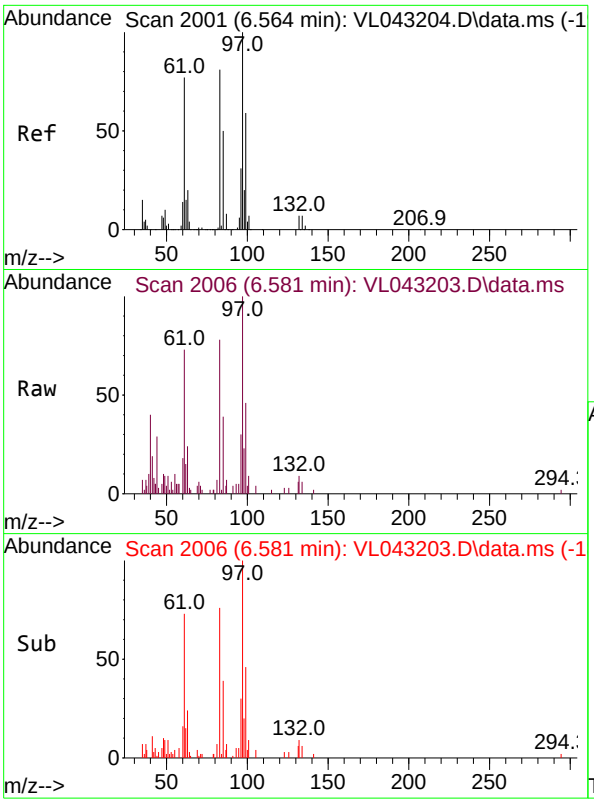


#46
cis-1,3-Dichloropropene
Concen: 0.539 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 75 Resp: 8886

Ion	Ratio	Lower	Upper
75	100		
39	69.0	59.1	88.7
77	33.2	24.2	36.2

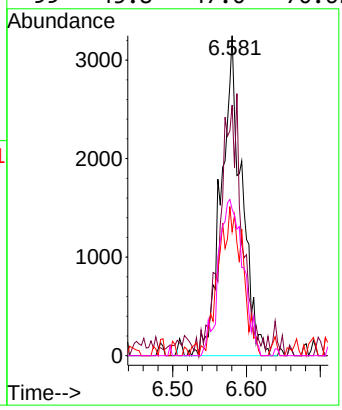




#47
1,1,2-Trichloroethane
Concen: 0.567 ppbv m
RT: 6.581 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 97 Resp: 628

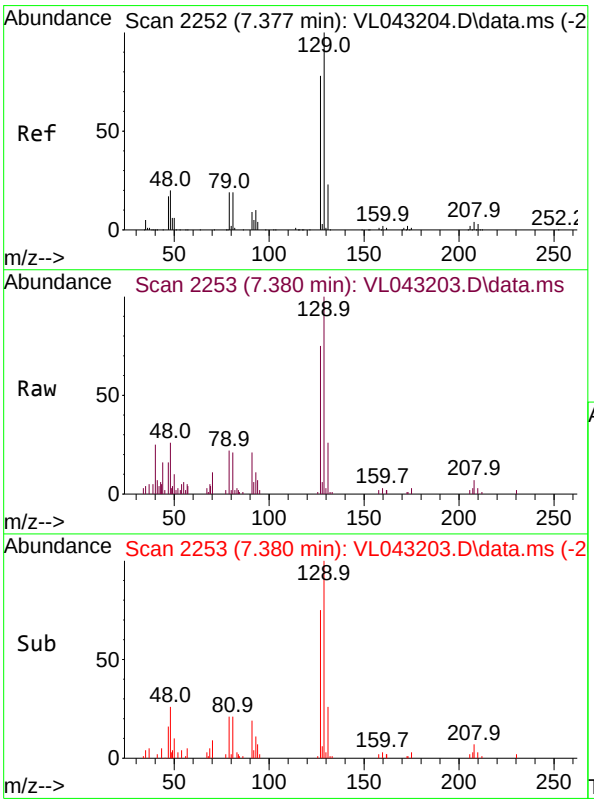
Ion	Ratio	Lower	Upper
97	100		
83	78.3	64.6	97.0
85	38.7	39.4	59.2#
99	45.8	47.0	70.6#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

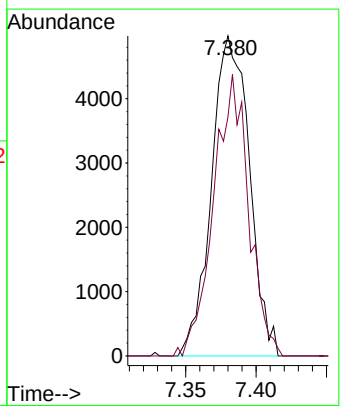
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

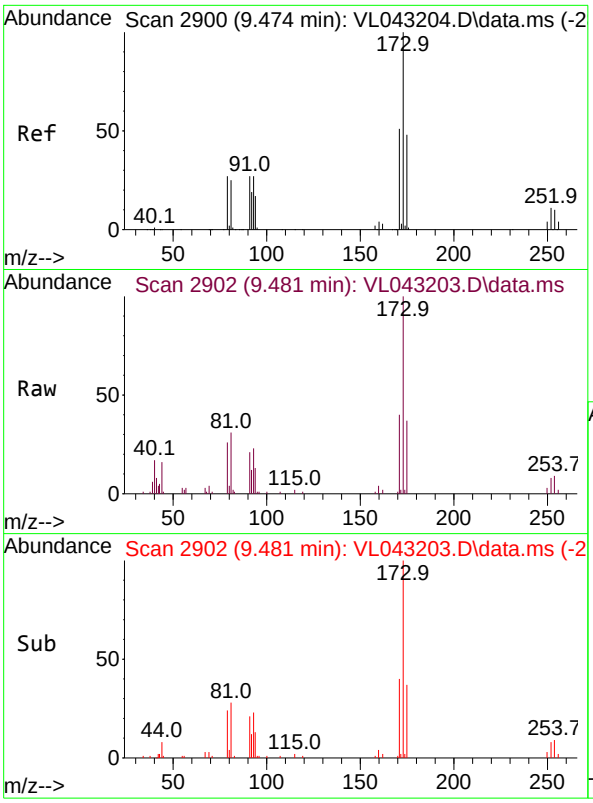


#48
Dibromochloromethane
Concen: 0.492 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:129 Resp: 9327

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.3	117.9

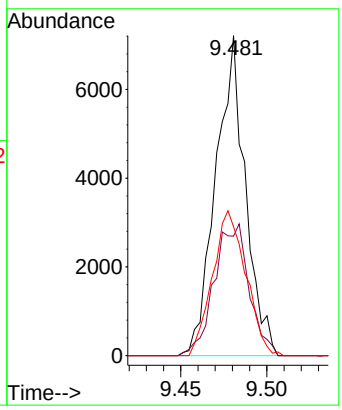




#49
Bromoform
Concen: 0.514 ppbv
RT: 9.481 min Scan# 29
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:173 Resp: 863

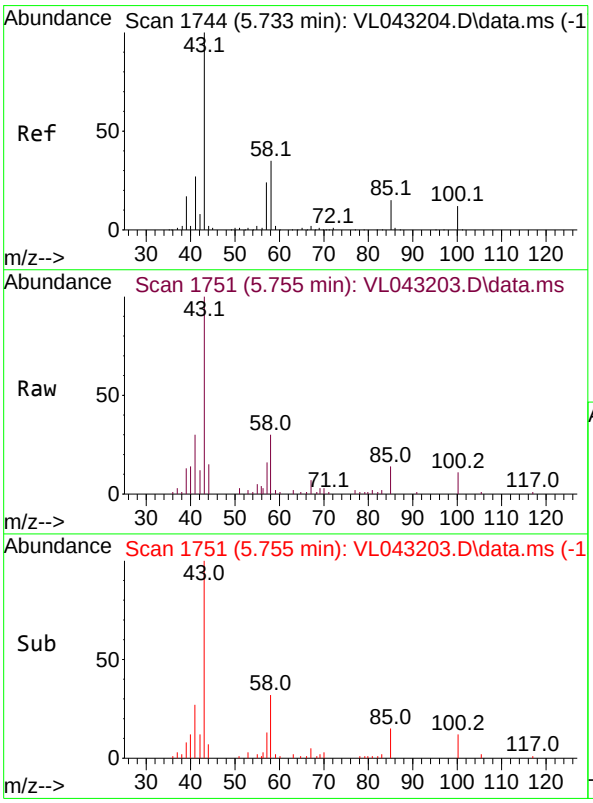
Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	58.0
171	50.9	40.6	61.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

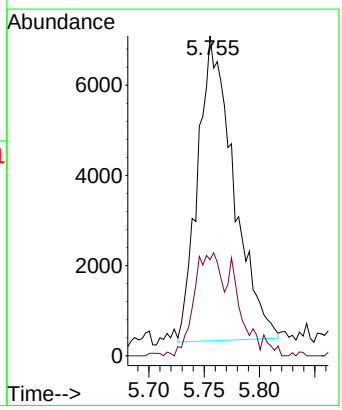
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

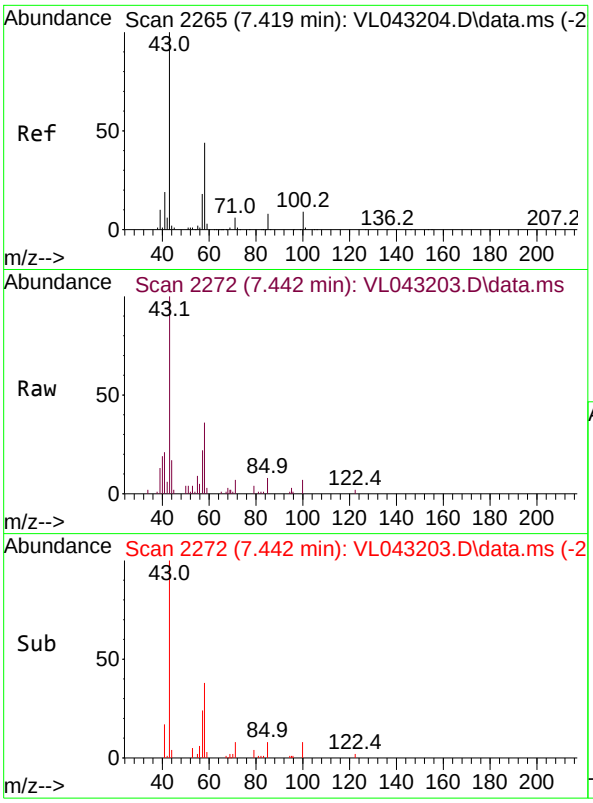


#50
4-Methyl-2-Pentanone
Concen: 0.515 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 15190

Ion	Ratio	Lower	Upper
43	100		
58	40.3	28.4	42.6





#51
2-Hexanone
Concen: 0.506 ppbv
RT: 7.442 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

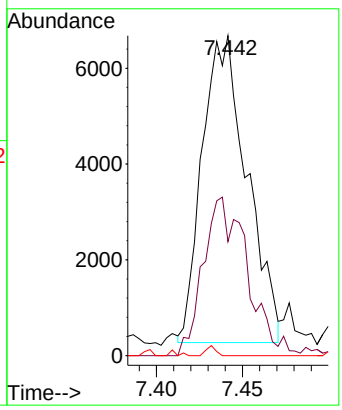
Tgt Ion: 43 Resp: 1159

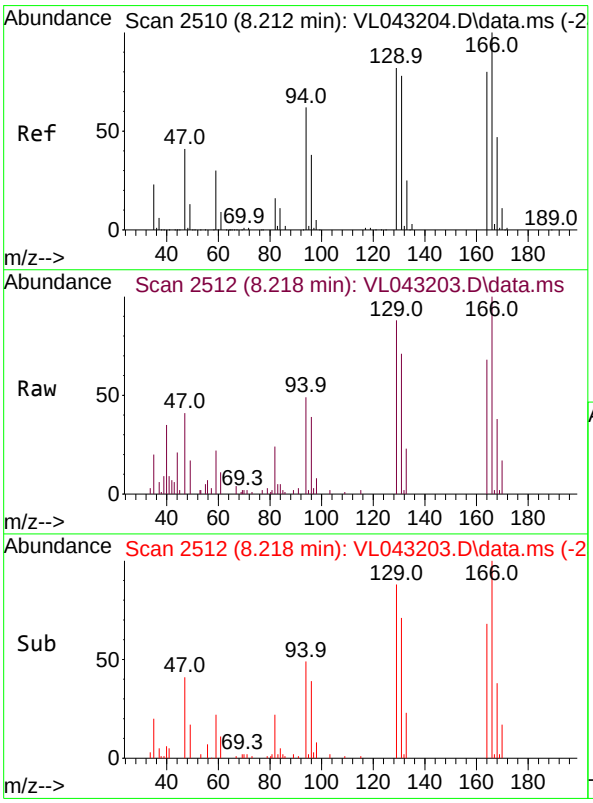
Ion	Ratio	Lower	Upper
43	100		
58	52.6	38.4	57.6
98	0.7	0.0	0.0#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

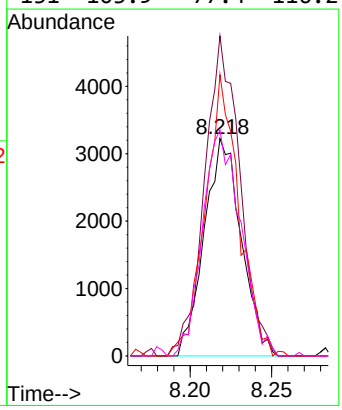


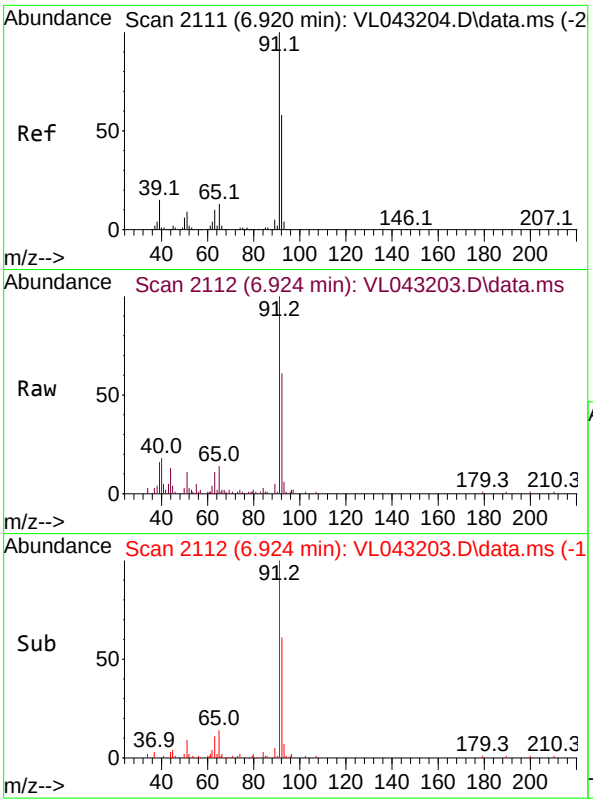


#52
Tetrachloroethene
Concen: 0.483 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:164 Resp: 5097

Ion	Ratio	Lower	Upper
164	100		
166	147.2	99.4	149.2
129	127.2	81.8	122.8#
131	103.9	77.4	116.2

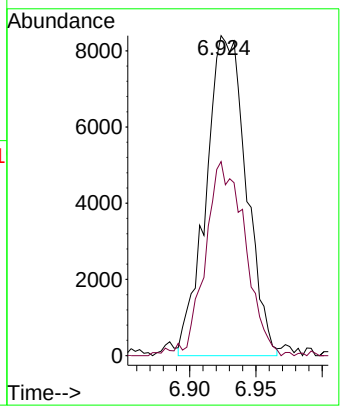




#53
Toluene
Concen: 0.525 ppbv m
RT: 6.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 1775

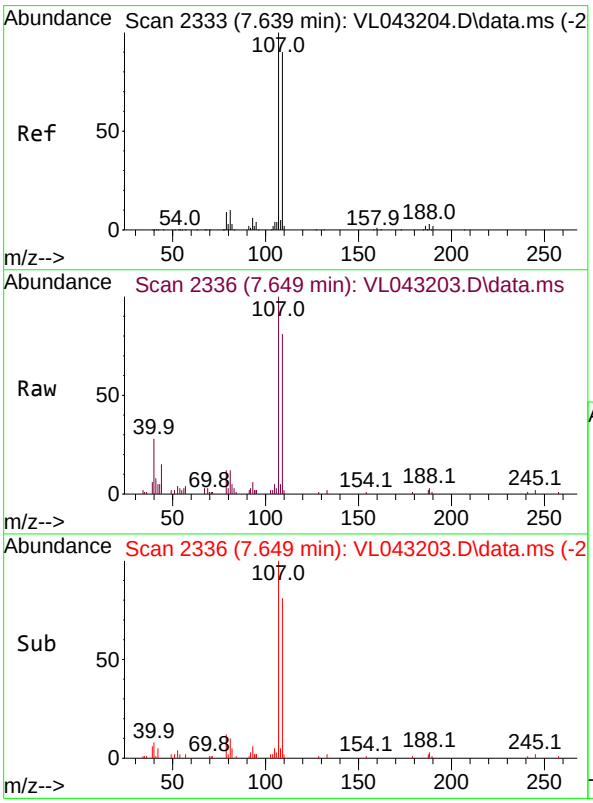
Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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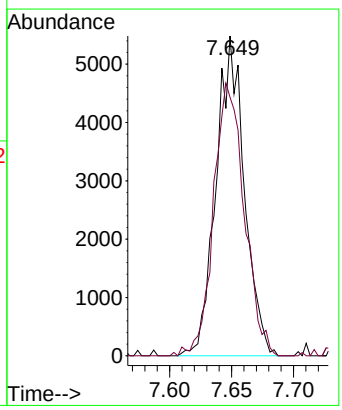
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

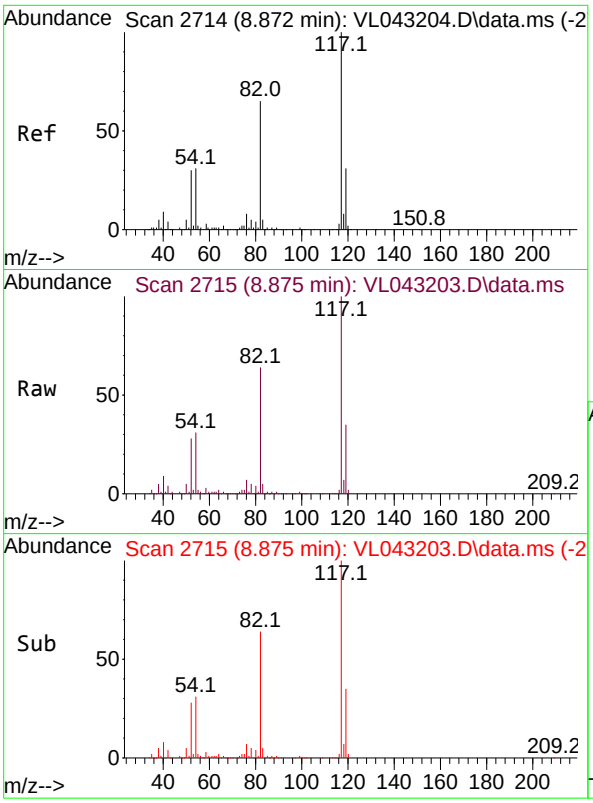


#54
1,2-Dibromoethane
Concen: 0.537 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:107 Resp: 8708

Ion	Ratio	Lower	Upper
107	100		
109	80.8	72.1	108.1

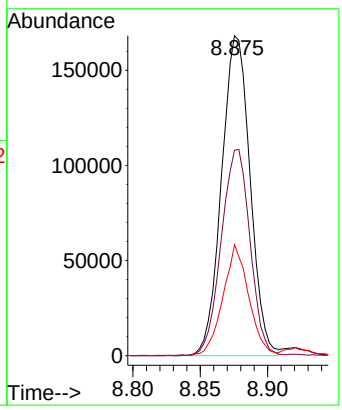




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:117 Resp: 24776

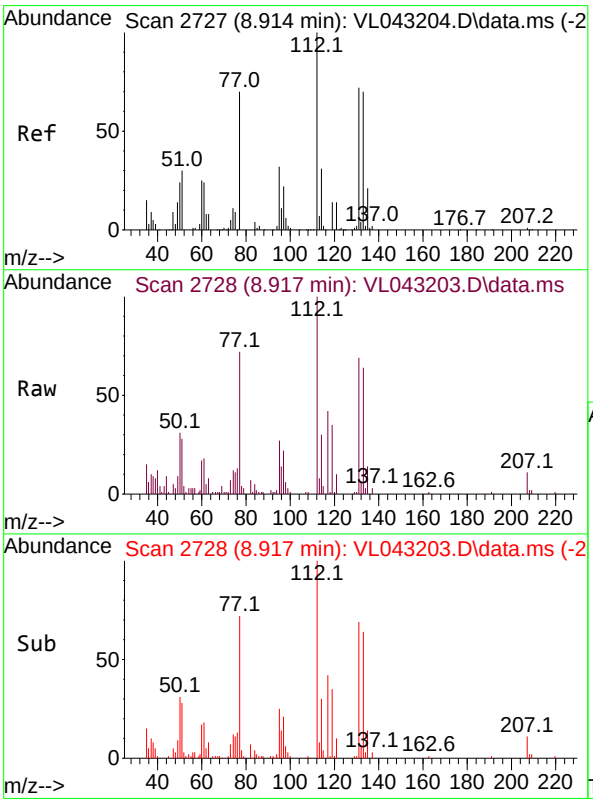
Ion	Ratio	Lower	Upper
117	100		
82	65.5	56.1	84.1
119	31.6	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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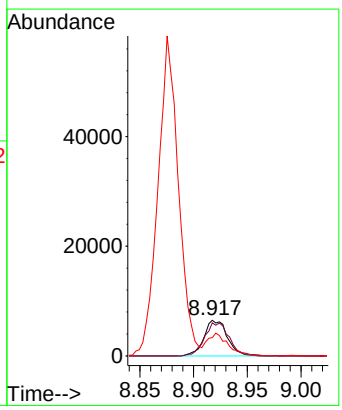
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

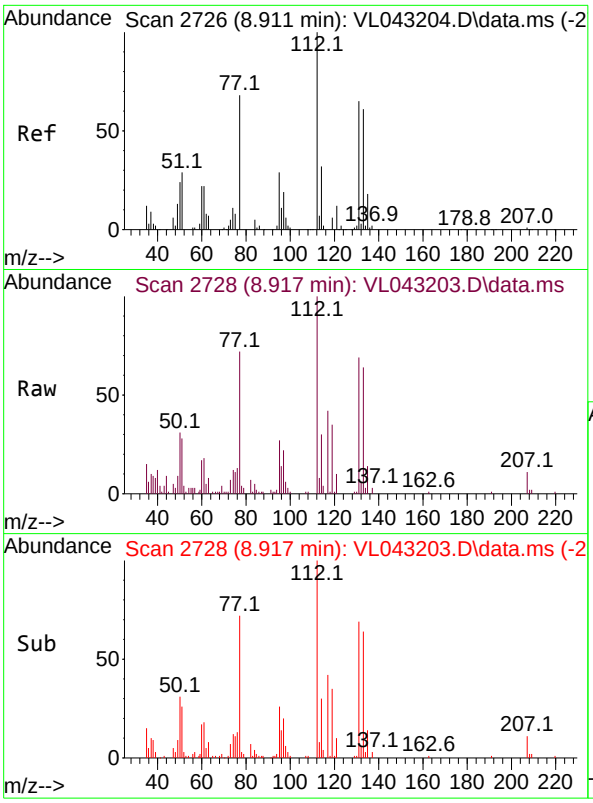


#56
1,1,1,2-Tetrachloroethane
Concen: 0.538 ppbv m
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:131 Resp: 9793

Ion	Ratio	Lower	Upper
131	100		
133	98.4	77.4	116.2
119	50.6	49.1	73.7

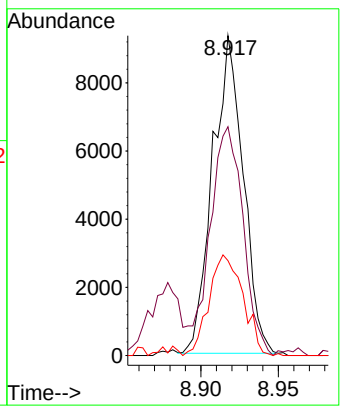




#57
Chlorobenzene
Concen: 0.504 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:112 Resp: 1281

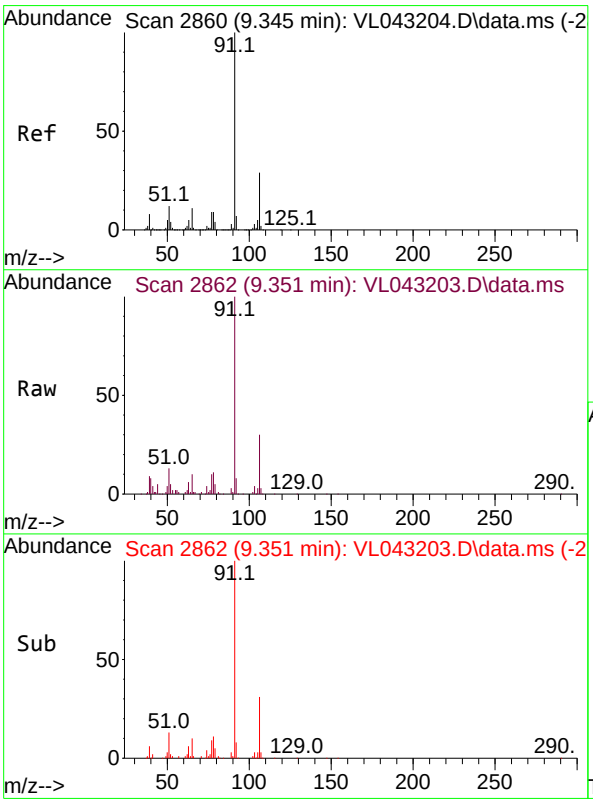
Ion	Ratio	Lower	Upper
112	100		
77	69.0	55.5	83.3
114	29.2	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

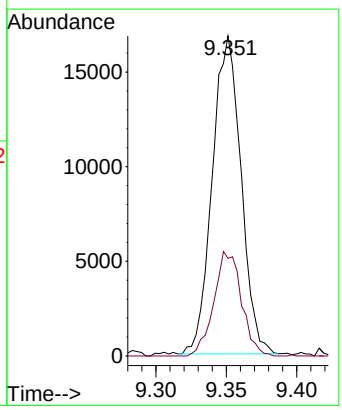
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

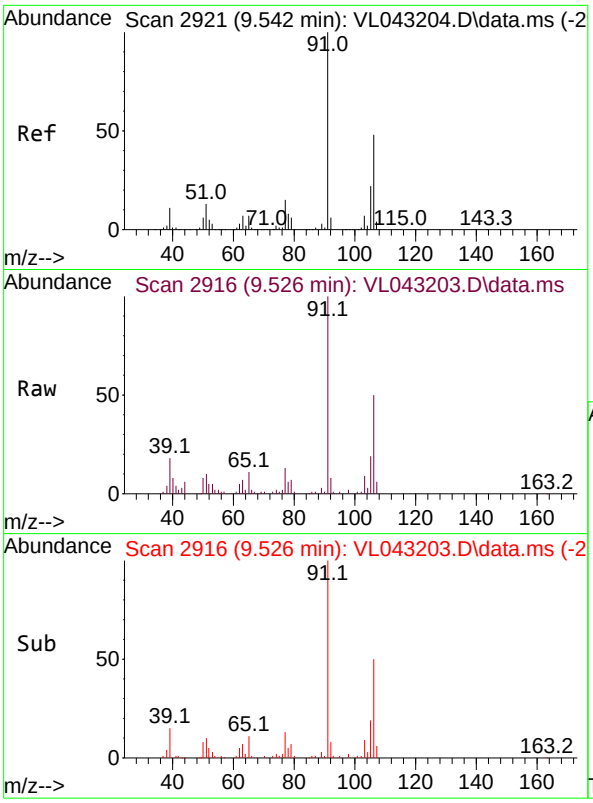


#58
Ethyl Benzene
Concen: 0.500 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 23866

Ion	Ratio	Lower	Upper
91	100		
106	30.7	22.8	34.2





#59
m/p-Xylene
Concen: 1.044 ppbv m
RT: 9.526 min Scan# 29
Delta R.T. -0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

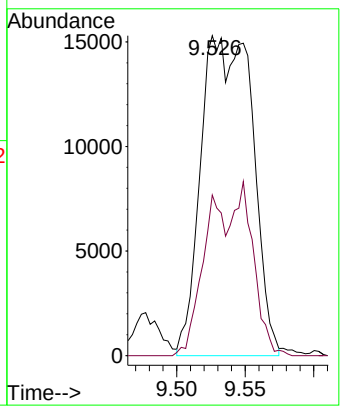
Tgt Ion: 91 Resp: 4007

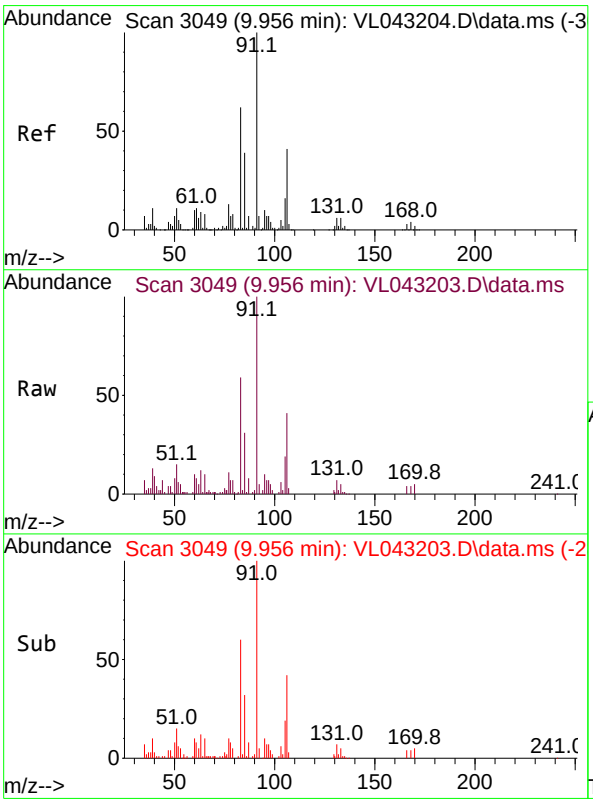
Ion	Ratio	Lower	Upper
91	100		
106	46.0	36.1	54.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

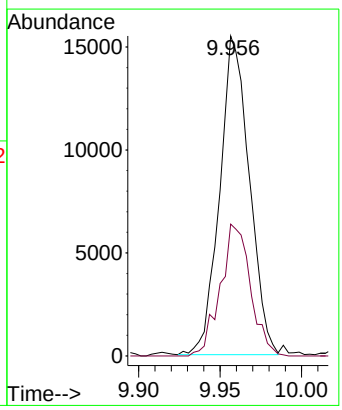


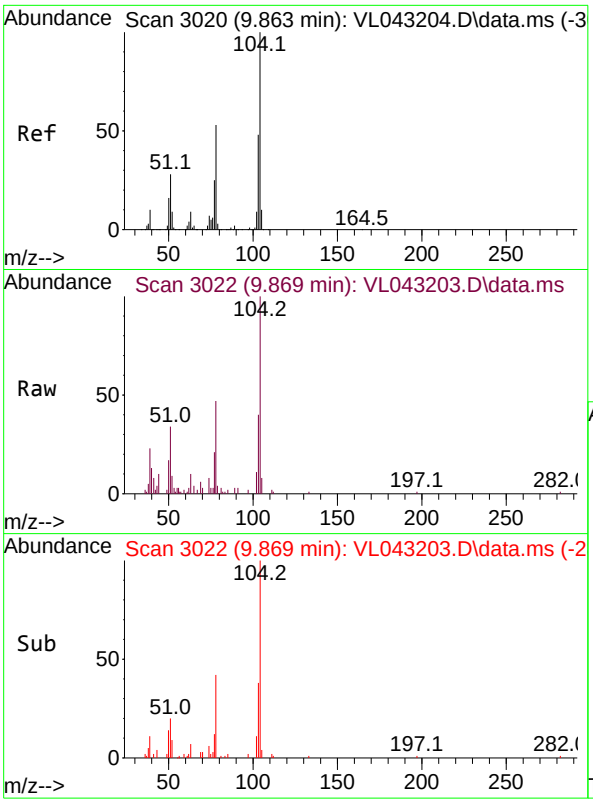


#60
o-Xylene
Concen: 0.514 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 19621

Ion	Ratio	Lower	Upper
91	100		
106	42.0	20.9	62.8

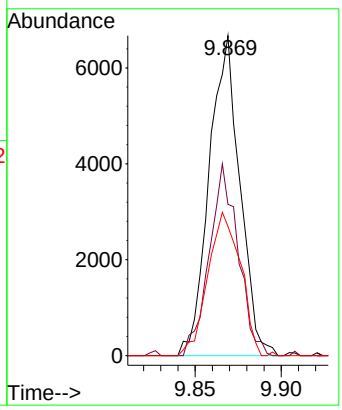




#61
Styrene
Concen: 0.496 ppbv
RT: 9.869 min Scan# 3(
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:104 Resp: 828

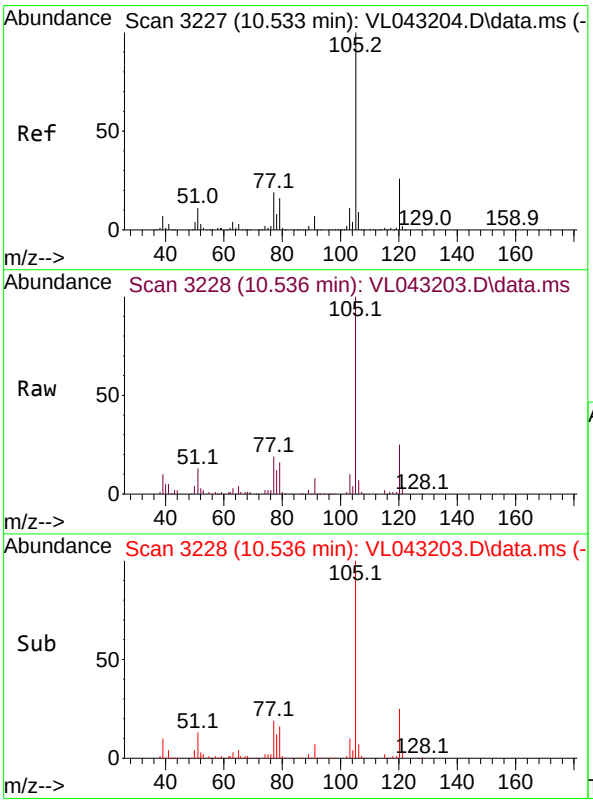
Ion	Ratio	Lower	Upper
104	100		
78	56.3	42.1	63.1
103	47.8	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

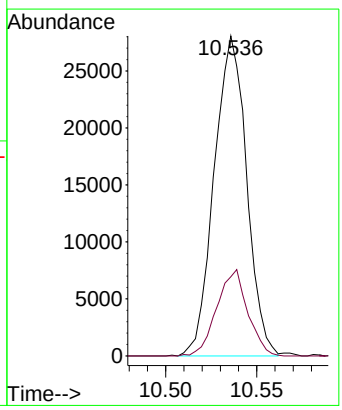
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

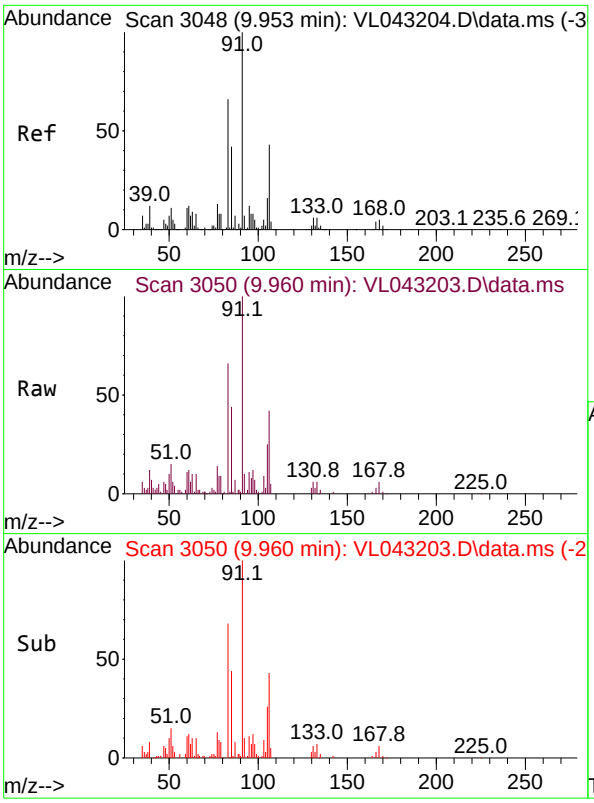


#62
Isopropylbenzene
Concen: 0.509 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 34773

Ion	Ratio	Lower	Upper
105	100		
120	25.6	19.8	29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 9.960 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

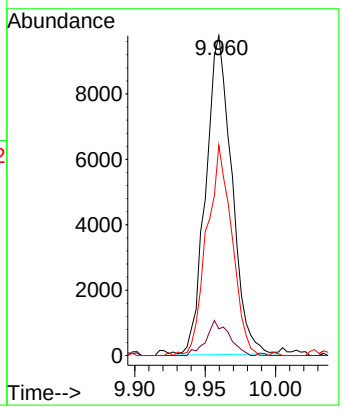
Tgt Ion: 83 Resp: 1259

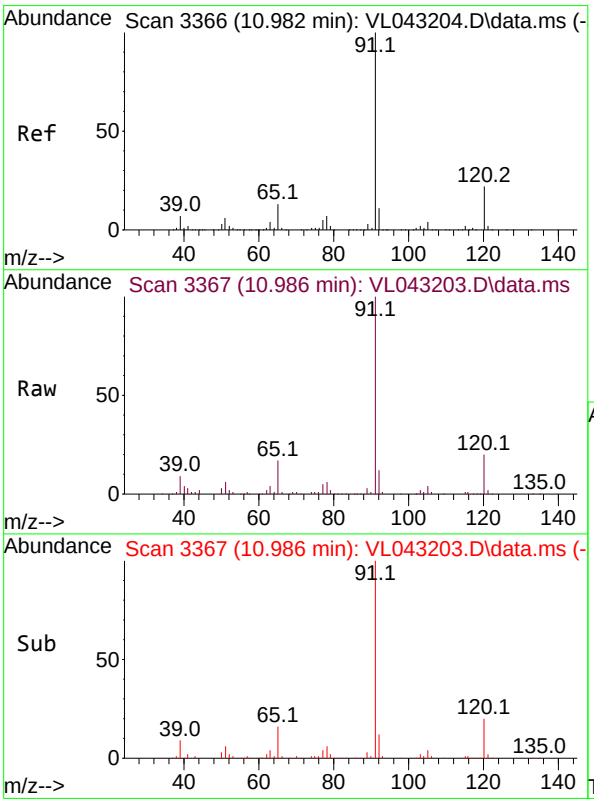
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.0	31.9	95.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

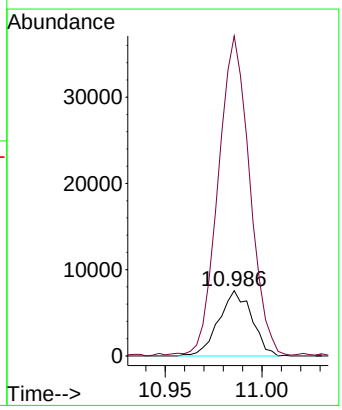


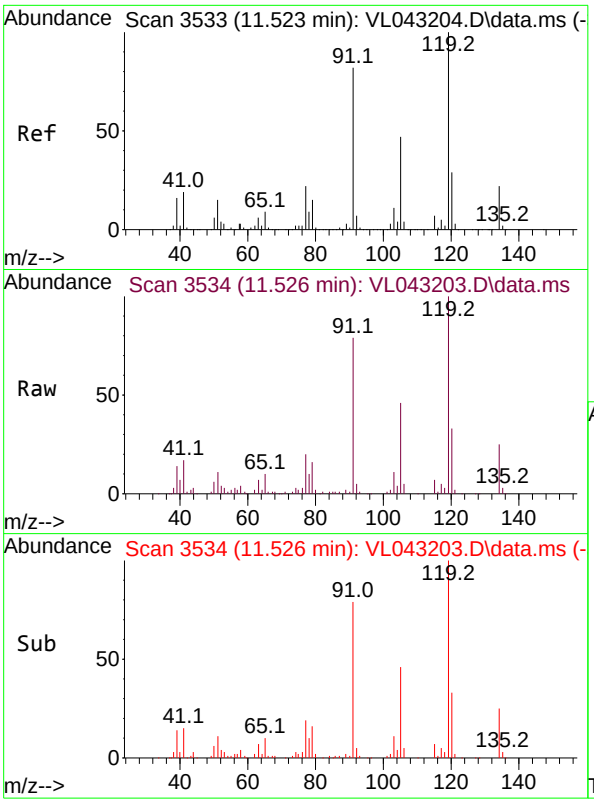


#64
n-propylbenzene
Concen: 0.509 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:120 Resp: 8945

Ion	Ratio	Lower	Upper
120	100		
91	472.3	377.1	565.7

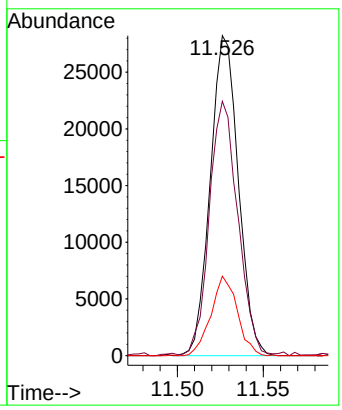




#65
tert-Butylbenzene
Concen: 0.524 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:119 Resp: 3199

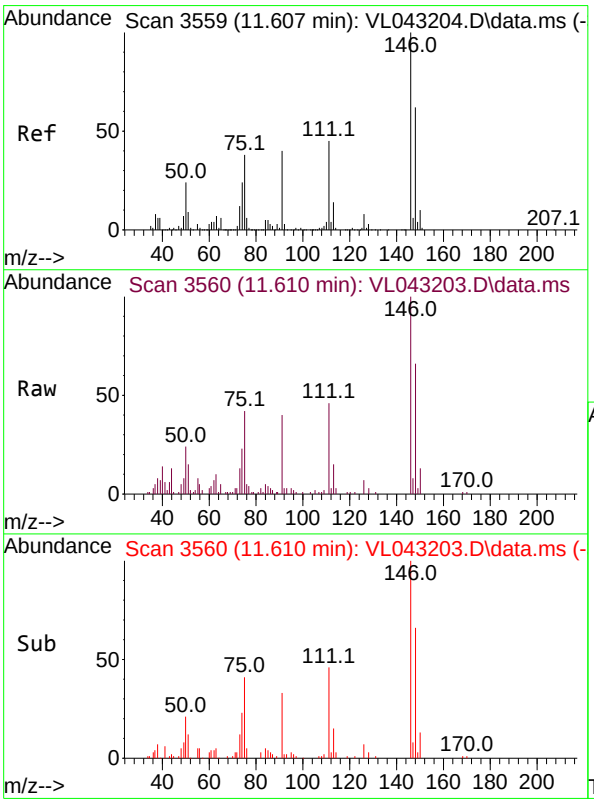
Ion	Ratio	Lower	Upper
119	100		
91	81.6	65.3	97.9
134	23.4	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

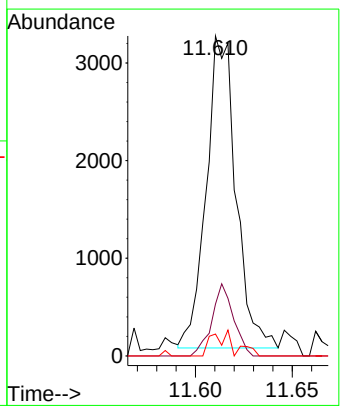
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

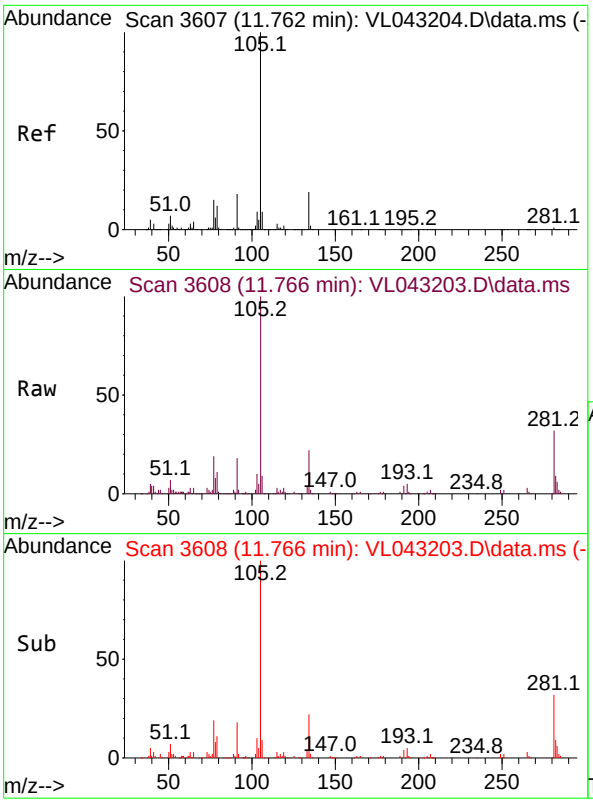


#66
Benzyl Chloride
Concen: 0.550 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 3403

Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.4	21.6
128	6.1	4.6	6.8

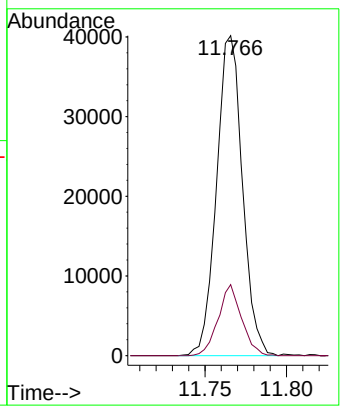




#67
sec-Butylbenzene
Concen: 0.522 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 4444

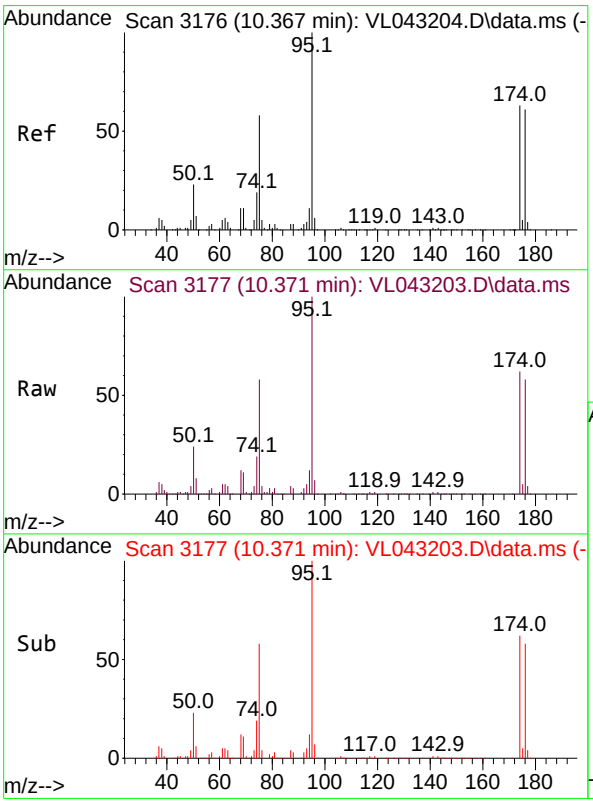
Ion	Ratio	Lower	Upper
105	100		
134	20.0	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

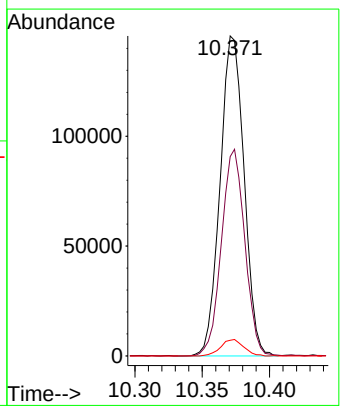
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

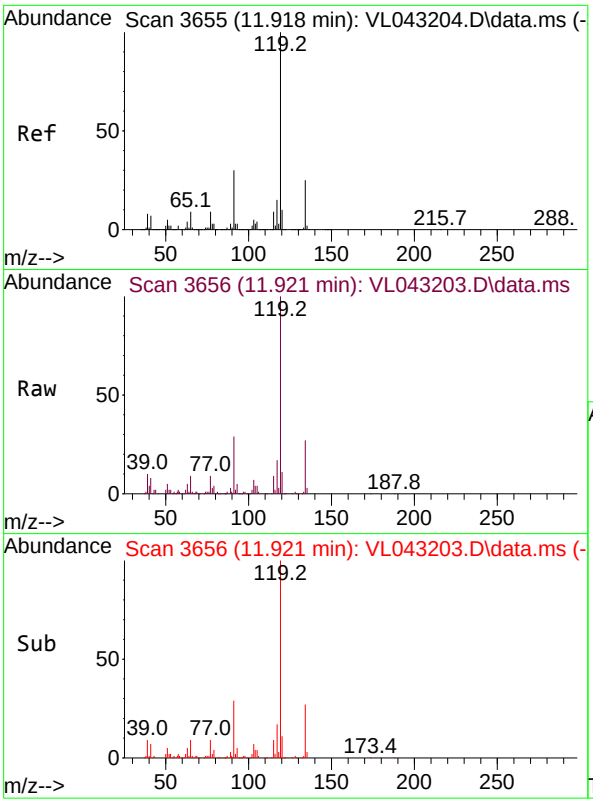


#68
1-Bromo-4-Fluorobenzene
Concen: 9.941 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 95 Resp: 180529

Ion	Ratio	Lower	Upper
95	100		
174	63.2	50.2	75.2
175	4.9	4.1	6.1

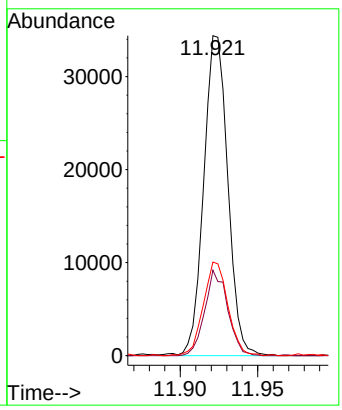




#69
p-Isopropyltoluene
Concen: 0.514 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:119 Resp: 3708

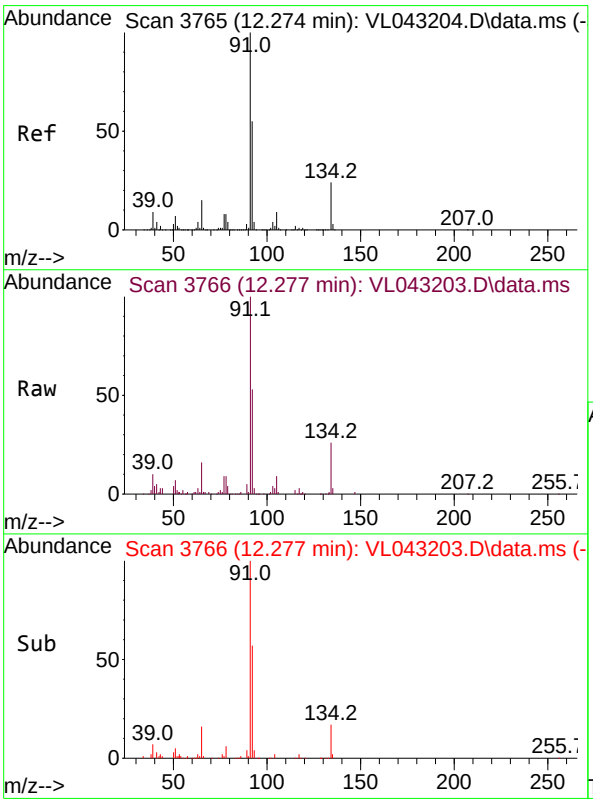
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	29.9	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

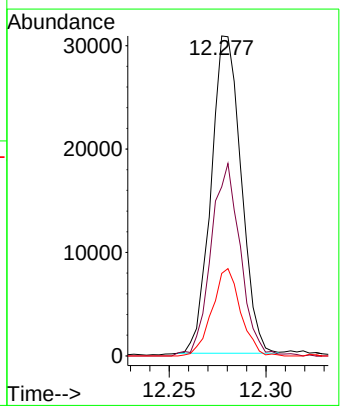
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

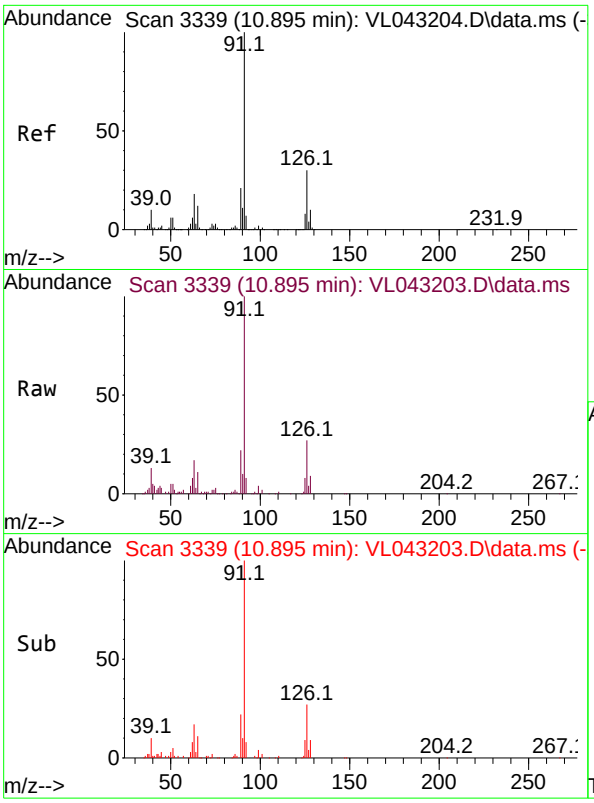


#70
n-Butylbenzene
Concen: 0.474 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 33153

Ion	Ratio	Lower	Upper
91	100		
92	59.3	43.5	65.3
134	26.3	19.0	28.6

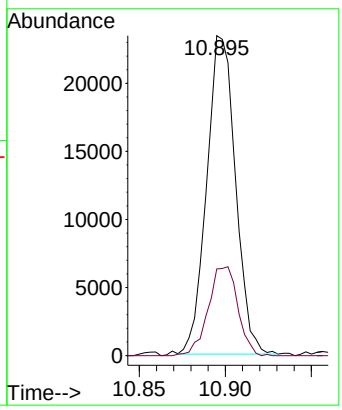




#71
2-Chlorotoluene
Concen: 0.518 ppbv
RT: 10.895 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 2722

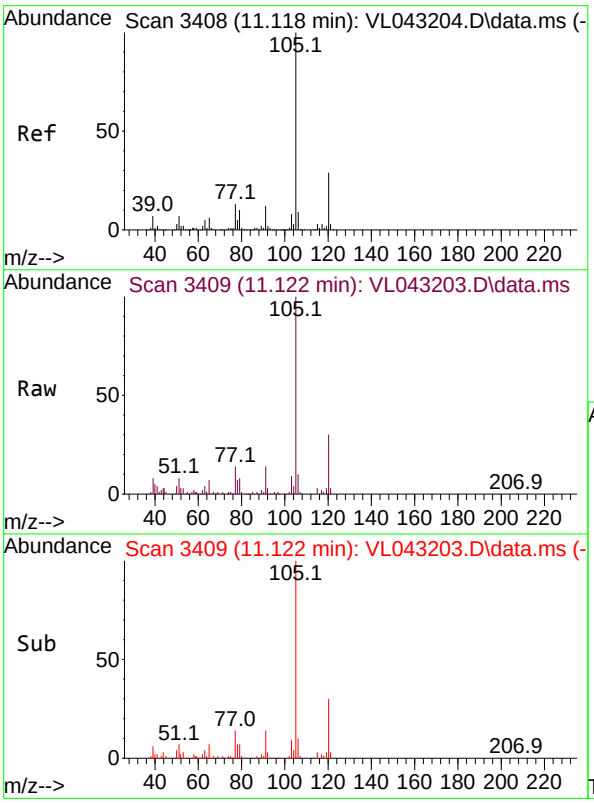
Ion	Ratio	Lower	Upper
91	100		
126	28.6	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

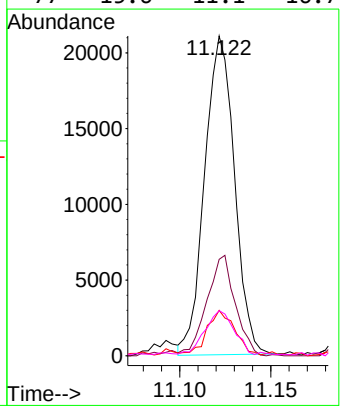
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

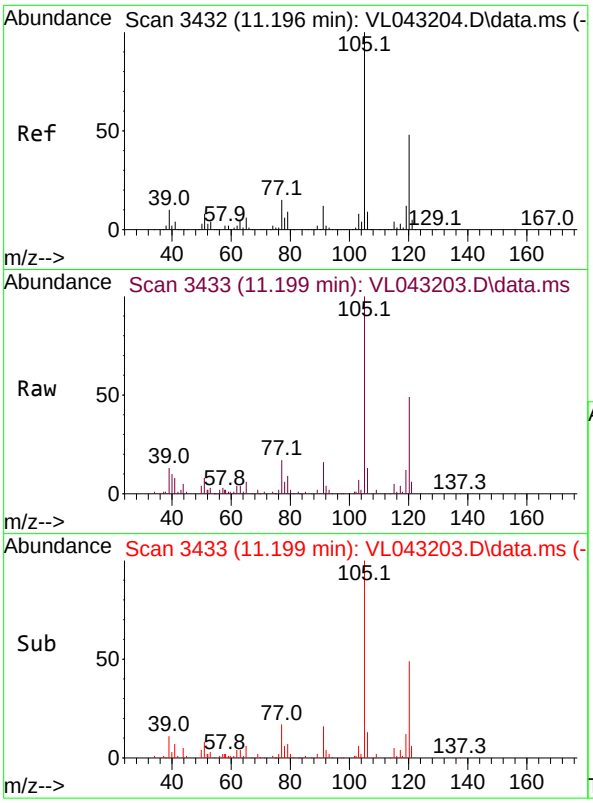


#72
4-Ethyltoluene
Concen: 0.515 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 23963

Ion	Ratio	Lower	Upper
105	100		
120	31.3	23.8	35.8
91	14.6	10.3	15.5
77	15.6	11.1	16.7

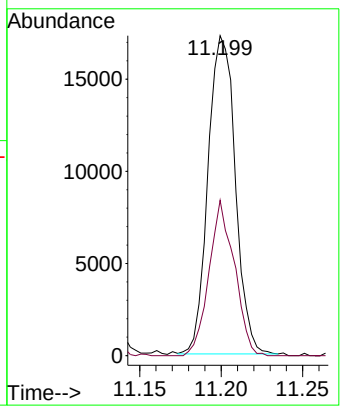




#73
1,3,5-Trimethylbenzene
Concen: 0.515 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 2010

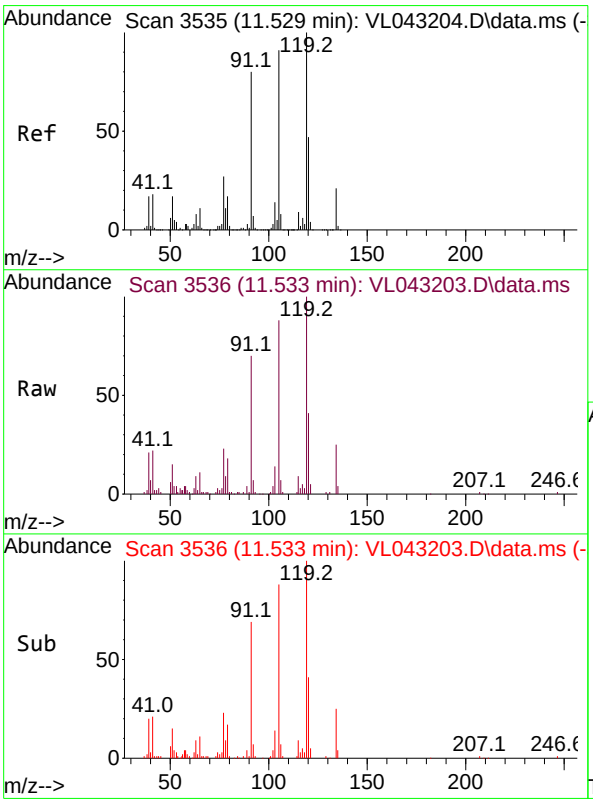
Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

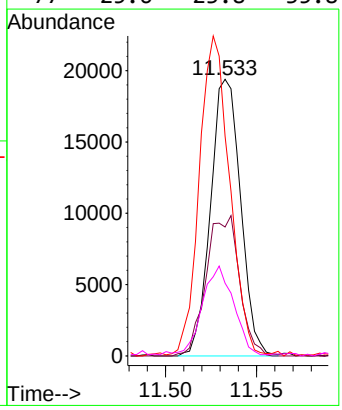
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

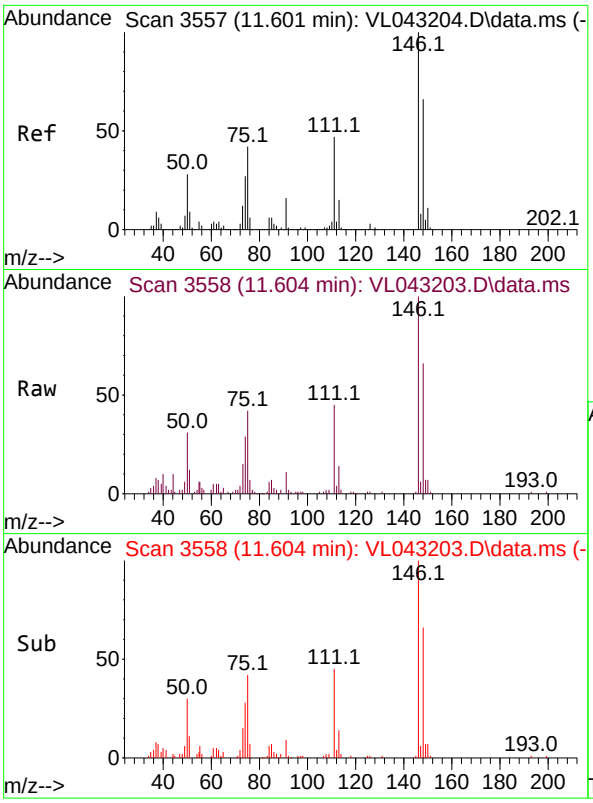


#74
1,2,4-Trimethylbenzene
Concen: 0.522 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 22254

Ion	Ratio	Lower	Upper
105	100		
120	46.6	41.7	62.5
91	77.8	70.0	105.0
77	25.6	23.8	35.8

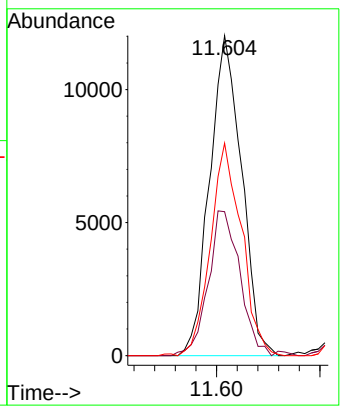




#75
1,3-Dichlorobenzene
Concen: 0.520 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:146 Resp: 1292

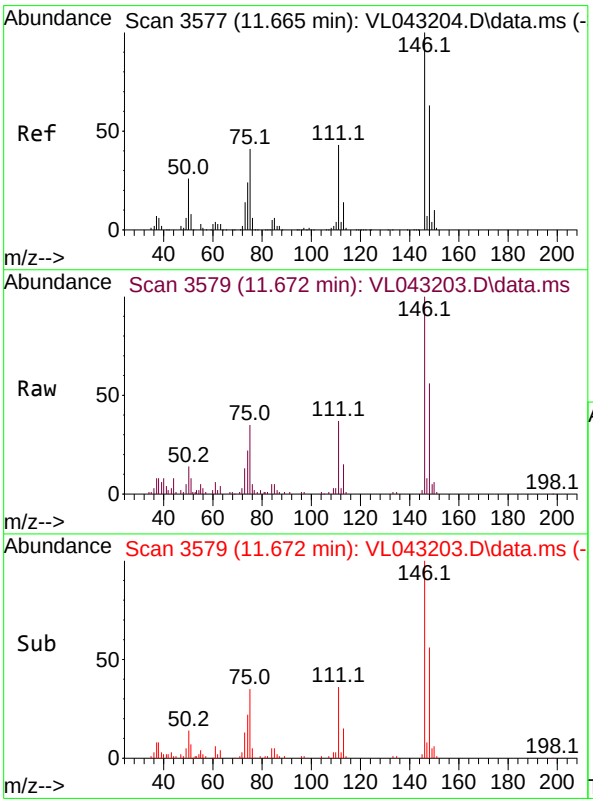
Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.4	70.3
148	64.7	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

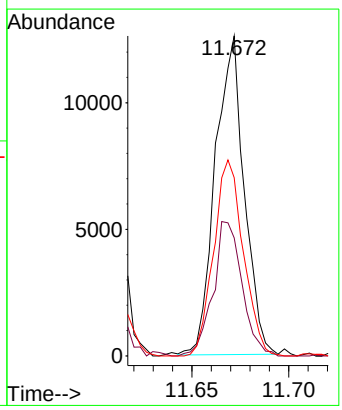
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

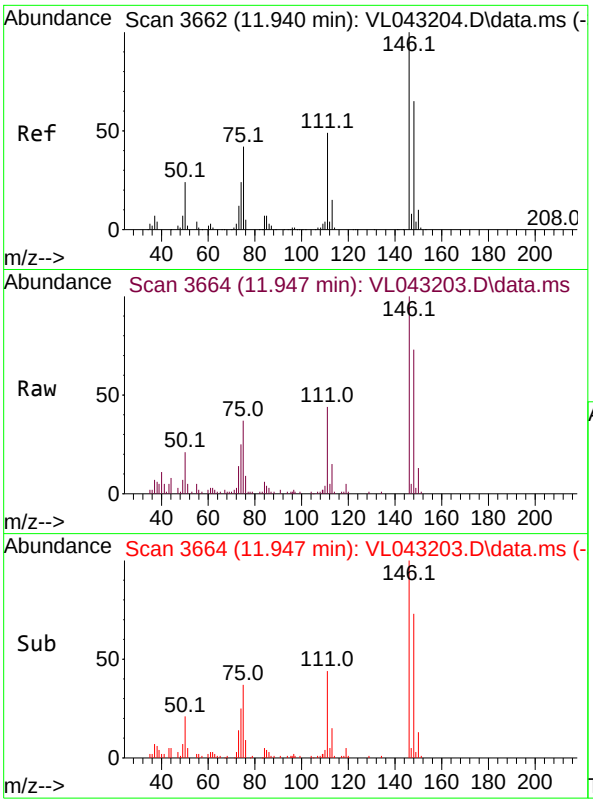


#76
1,4-Dichlorobenzene
Concen: 0.526 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:146 Resp: 13076

Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.8	68.3
148	63.8	31.8	95.4

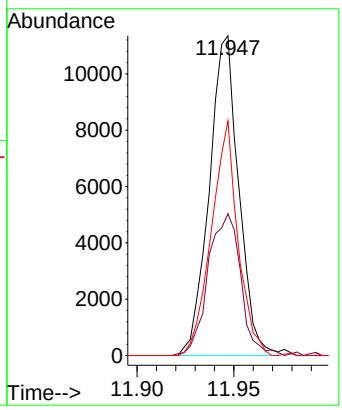




#77
1,2-Dichlorobenzene
Concen: 0.505 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:146 Resp: 1206

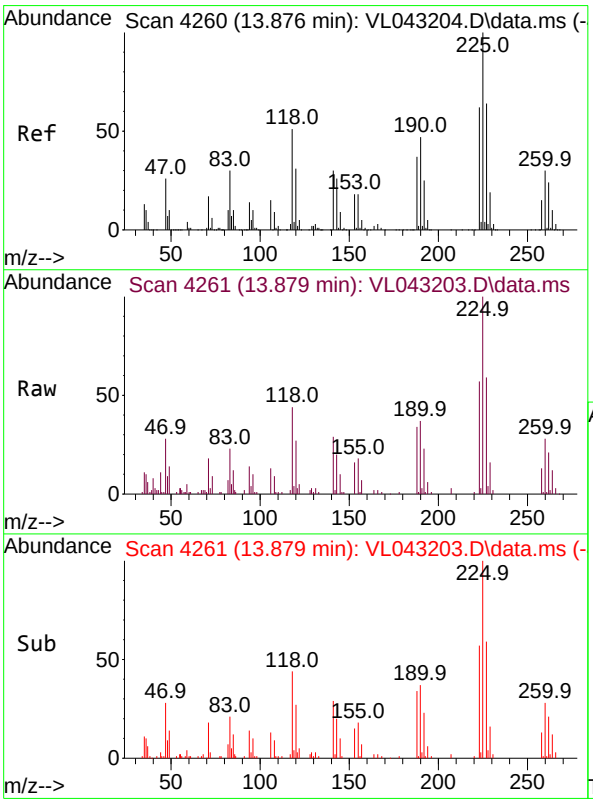
Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.3	73.0
148	66.3	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

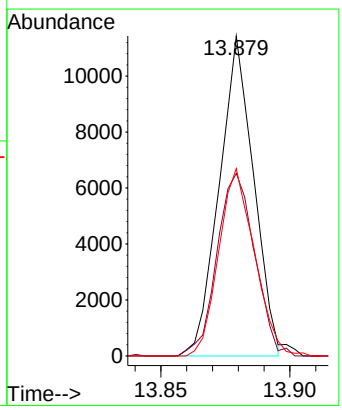
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

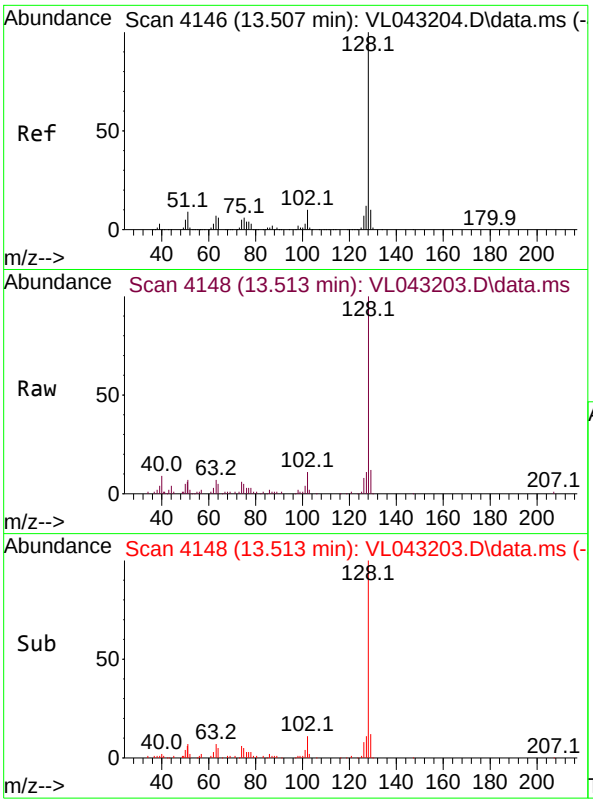


#78
Hexachloro-1,3-Butadiene
Concen: 0.530 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:225 Resp: 10578

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4
227	61.0	51.1	76.7

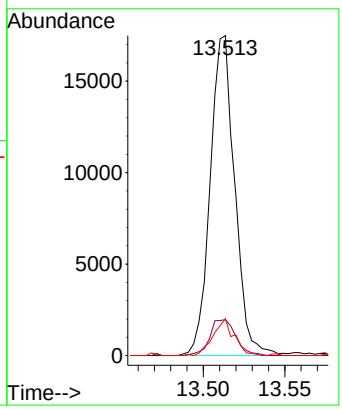




#79
Naphthalene
Concen: 0.486 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:128 Resp: 1837

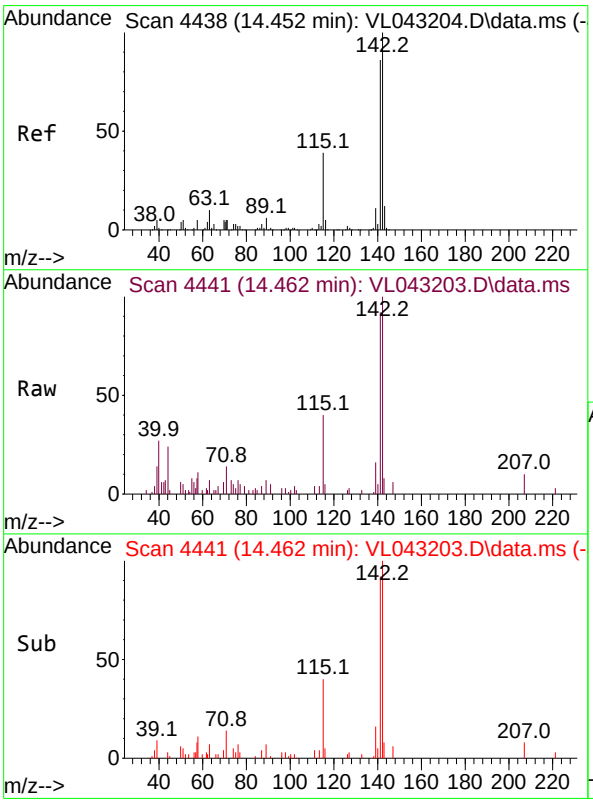
Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.9	14.9
129	11.5	8.4	12.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

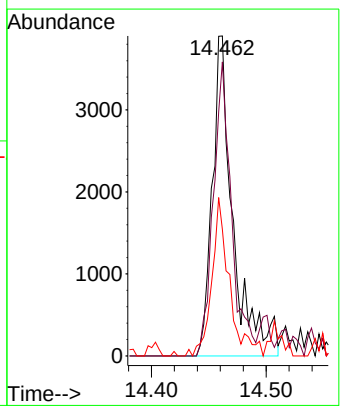
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

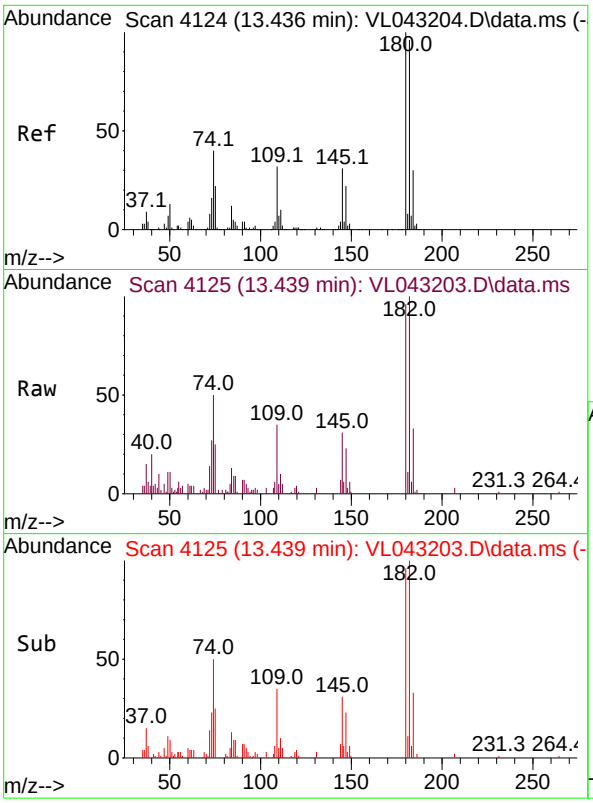


#80
Naphthalene,2-methyl-
Concen: 0.495 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:142 Resp: 4917

Ion	Ratio	Lower	Upper
142	100		
141	90.2	67.1	100.7
115	47.3	31.9	47.9

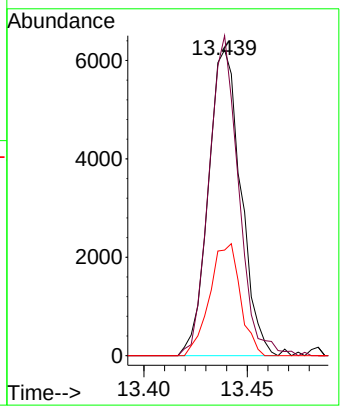




#81
1,2,4-Trichlorobenzene
Concen: 0.402 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:180 Resp: 679

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	34.3	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043204.D
Acq On : 18 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:49:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	105095	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	283830	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	234772	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.367	95	172524	10.025	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.496	85	140789	9.498	ppbv		100
3) Chlorodifluoromethane	1.473	51	138443	9.497	ppbv		100
4) Chloromethane	1.531	50	52372	9.450	ppbv		100
5) Vinyl Chloride	1.577	62	51045	8.422	ppbv		100
6) Bromomethane	1.664	94	26542	9.034	ppbv		100
7) Chloroethane	1.700	64	20375	8.632	ppbv		100
8) Dichlorotetrafluoroethane	1.551	85	114670	9.300	ppbv		100
9) Propene	1.480	41	52671	7.789	ppbv	#	1
10) Heptane	4.965	43	168611	9.090	ppbv		100
11) Trichlorofluoromethane	1.875	101	130362	9.077	ppbv		100
12) 1,1,2-Trichlorotrifluo...	2.137	101	103679	9.247	ppbv		100
13) Ethanol	1.716	45	17464	8.023	ppbv		100
14) Bromoethene	1.777	108	38037	8.849	ppbv		100
15) Acetone	1.832	43	108422	7.426	ppbv		100
16) 1,3-Butadiene	1.606	39	57871	8.890	ppbv		100
17) tert-Butyl alcohol	2.036	59	179201	9.350	ppbv		100
18) 1,1-Dichloroethene	2.030	96	46313	8.871	ppbv		100
19) Isopropyl Alcohol	1.881	45	71862	8.710	ppbv		100
20) Methylene Chloride	2.056	84	41868	9.708	ppbv		100
21) Allyl Chloride	2.091	41	89266	9.087	ppbv		100
22) trans-1,2-Dichloroethene	2.334	96	52470	8.793	ppbv		100
23) Vinyl Acetate	2.457	43	170459	9.670	ppbv		100
24) 1,1-Dichloroethane	2.405	63	106970	9.287	ppbv		100
25) Ethyl Acetate	2.829	43	289921	9.190	ppbv		100
26) Hexane	2.820	57	129809	9.402	ppbv		100
27) Carbon Disulfide	2.146	76	132086	9.371	ppbv		100
28) Methyl tert-Butyl Ether	2.434	73	62115	9.165	ppbv		100
29) Chloroform	2.842	83	187620	9.561	ppbv		100
30) Cyclohexane	3.846	84	107621	9.297	ppbv		100
31) cis-1,2-Dichloroethene	2.716	61	130357	9.499	ppbv		100
32) 1,1,1-Trichloroethane	3.360	97	198036	9.381	ppbv		100
34) 2-Butanone	2.551	43	182749	9.121	ppbv		100
35) Carbon Tetrachloride	3.755	117	200831	9.322	ppbv		100
36) Benzene	3.648	78	256954	9.453	ppbv		100
37) 1,2-Dichloroethane	3.211	62	150769	9.483	ppbv		100
38) Trichloroethene	4.535	130	100136	9.398	ppbv		100
39) 1,2-Dichloropropane	4.302	63	95097	9.559	ppbv		100
40) 1,4-Dioxane	4.567	88	40441	9.043	ppbv	#	100
41) Tetrahydrofuran	3.046	42	104294	9.426	ppbv		100
42) Bromodichloromethane	4.477	83	211504	9.643	ppbv		100
43) Methyl Methacrylate	4.865	69	131003	9.080	ppbv		100
44) 2,2,4-Trimethylpentane	4.626	57	441234	9.451	ppbv		100
45) t-1,3-Dichloropropene	6.399	75	129122	9.601	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043204.D
Acq On : 18 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:49:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	151655	9.603	ppbv	100
47) 1,1,2-Trichloroethane	6.564	97	97512	9.193	ppbv	100
48) Dibromochloromethane	7.377	129	175529	9.670	ppbv	100
49) Bromoform	9.474	173	157563	9.800	ppbv	100
50) 4-Methyl-2-Pentanone	5.733	43	268369	9.509	ppbv	100
51) 2-Hexanone	7.419	43	208268	9.503	ppbv #	100
52) Tetrachloroethene	8.212	164	93518	9.249	ppbv	100
53) Toluene	6.920	91	305169	9.422	ppbv	100
54) 1,2-Dibromoethane	7.639	107	148973	9.588	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.914	131	158856	9.207	ppbv	100
57) Chlorobenzene	8.911	112	227490	9.438	ppbv	100
58) Ethyl Benzene	9.345	91	427530	9.461	ppbv	100
59) m/p-Xylene	9.542	91	673371m	18.519	ppbv	
60) o-Xylene	9.956	91	333044	9.202	ppbv	100
61) Styrene	9.863	104	152172	9.607	ppbv	100
62) Isopropylbenzene	10.533	105	600155	9.269	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	209272	9.109	ppbv	100
64) n-propylbenzene	10.982	120	154239	9.271	ppbv	100
65) tert-Butylbenzene	11.523	119	522106	9.029	ppbv	100
66) Benzyl Chloride	11.607	91	56620	9.649	ppbv	100
67) sec-Butylbenzene	11.762	105	729573	9.039	ppbv	100
69) p-Isopropyltoluene	11.918	119	624586	9.135	ppbv	100
70) n-Butylbenzene	12.274	91	619610	9.341	ppbv	100
71) 2-Chlorotoluene	10.895	91	460118	9.245	ppbv	100
72) 4-Ethyltoluene	11.118	105	410587	9.316	ppbv	100
73) 1,3,5-Trimethylbenzene	11.196	105	341900	9.244	ppbv	100
74) 1,2,4-Trimethylbenzene	11.529	105	363476	9.005	ppbv	100
75) 1,3-Dichlorobenzene	11.601	146	219894	9.335	ppbv	100
76) 1,4-Dichlorobenzene	11.665	146	220576	9.363	ppbv	100
77) 1,2-Dichlorobenzene	11.940	146	204826	9.044	ppbv	100
78) Hexachloro-1,3-Butadiene	13.876	225	161034	8.520	ppbv	100
79) Naphthalene	13.507	128	351148	9.795	ppbv	100
80) Naphthalene,2-methyl-	14.452	142	93113	9.895	ppbv	100
81) 1,2,4-Trichlorobenzene	13.436	180	159091	9.923	ppbv	100

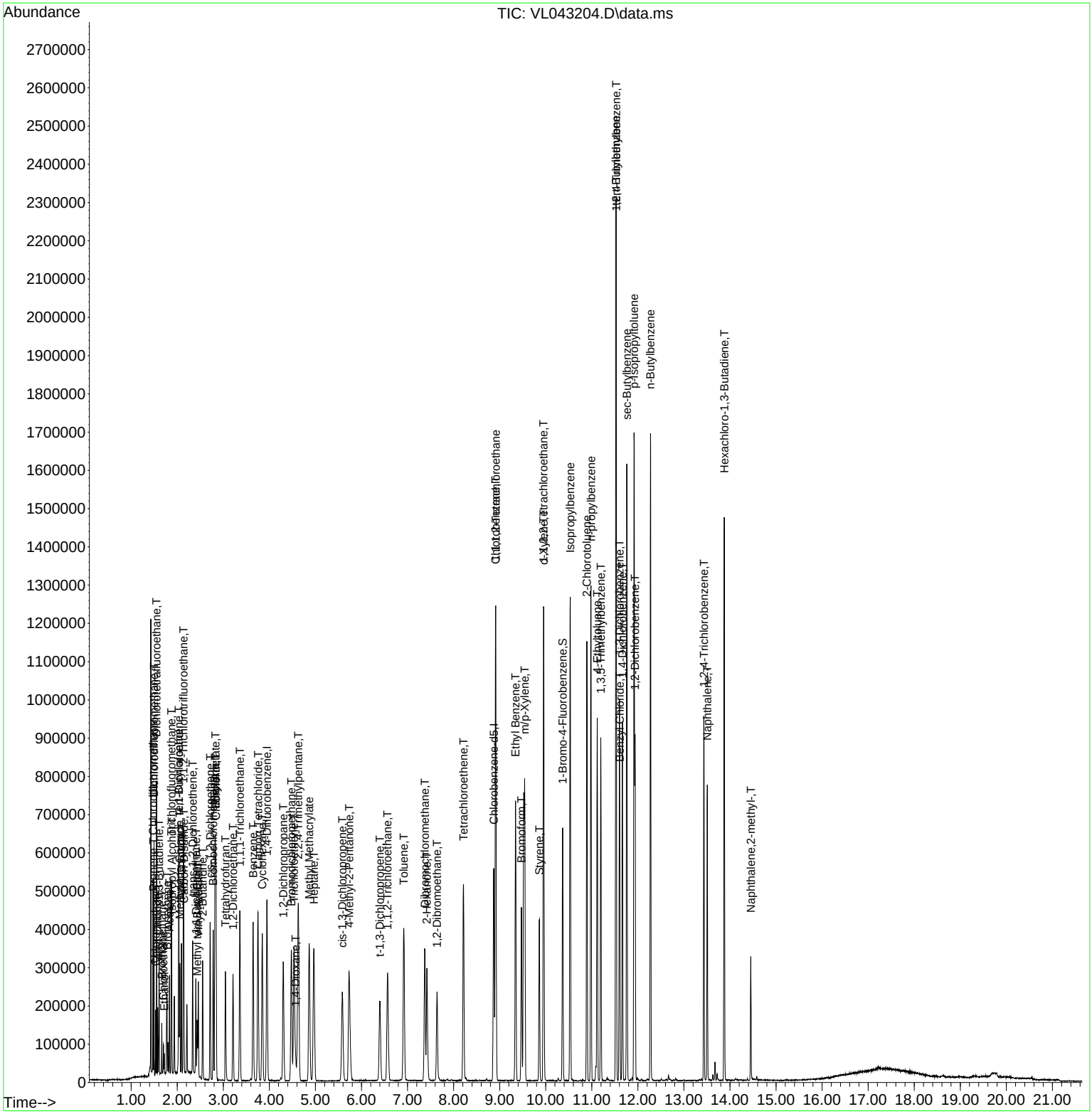
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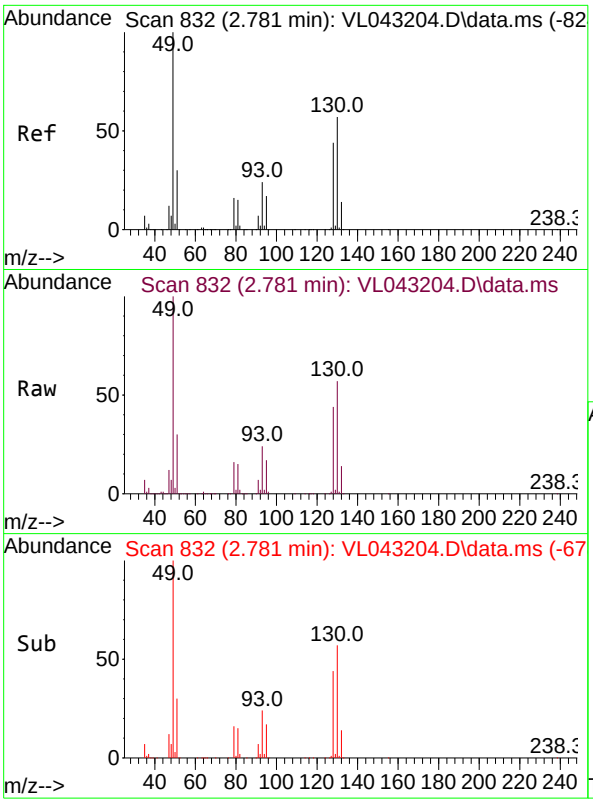
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043204.D
Acq On : 18 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:49:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

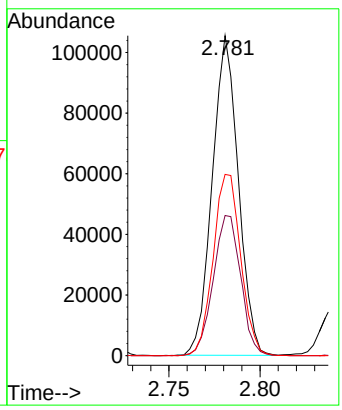




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 49 Resp: 10509

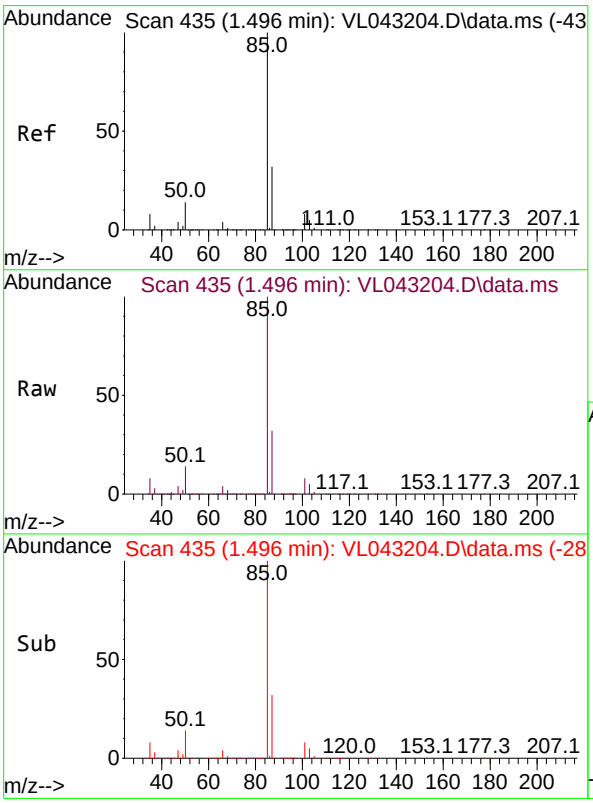
Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.0	69.0
130	59.8	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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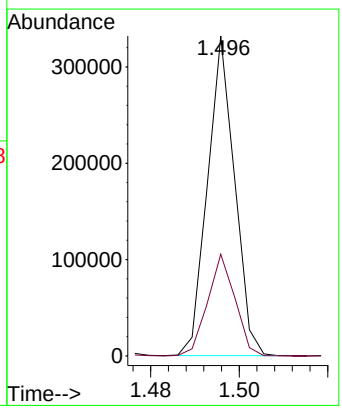
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

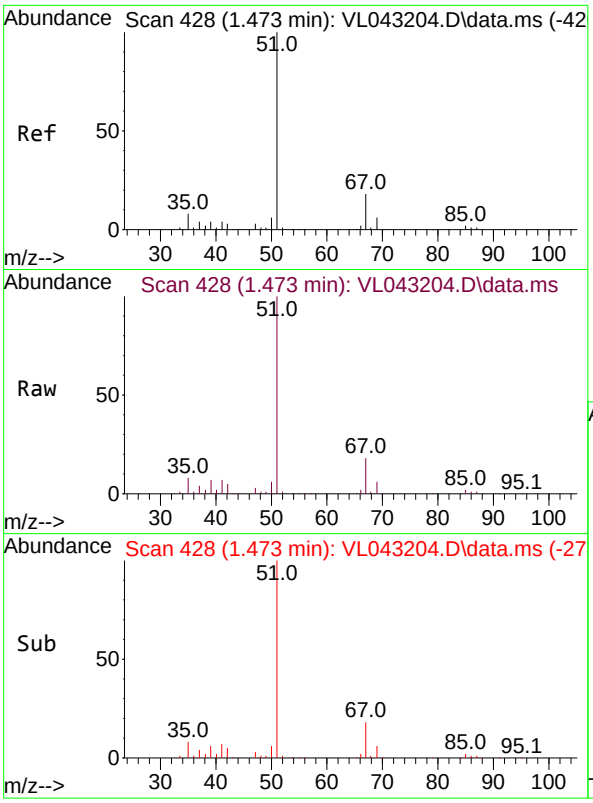


#2
Dichlorodifluoromethane
Concen: 9.498 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 85 Resp: 140789

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.4	38.2

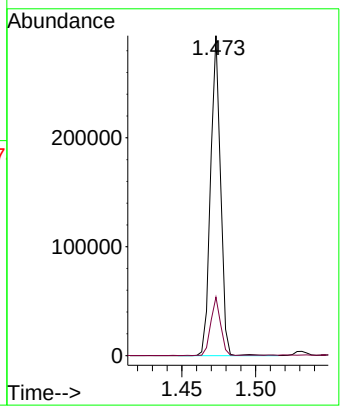




#3
Chlorodifluoromethane
Concen: 9.497 ppbv
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 51 Resp: 13844

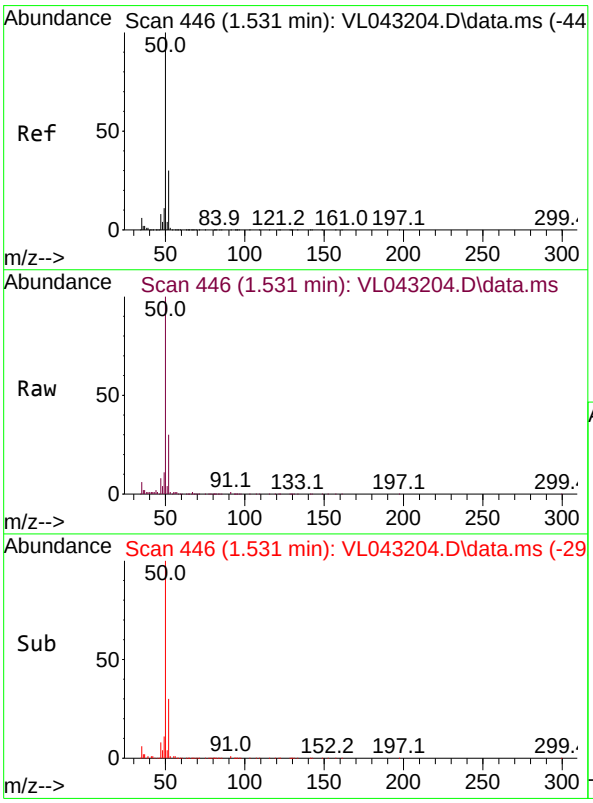
Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

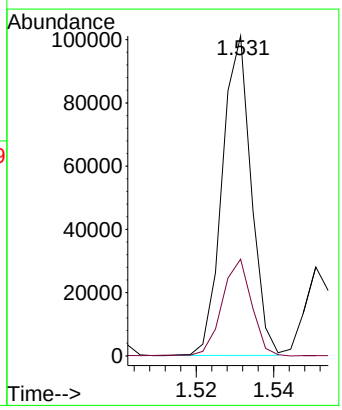
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

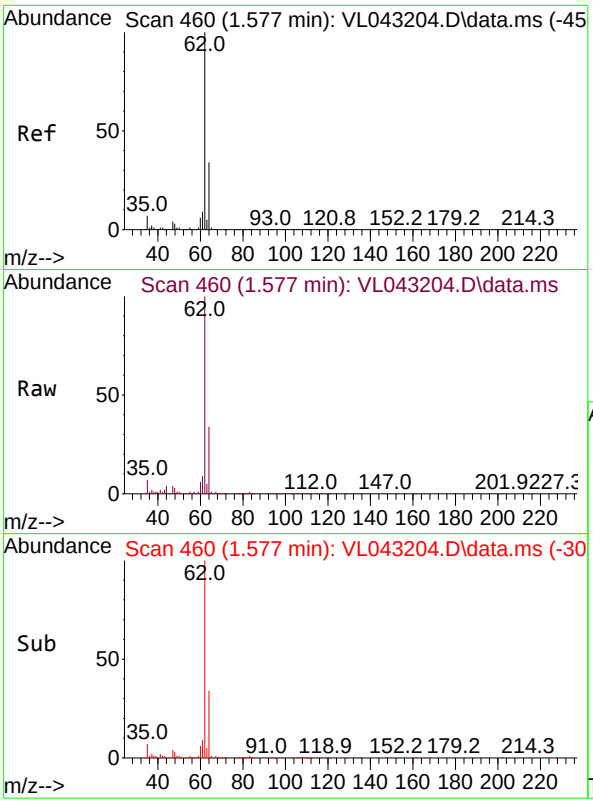


#4
Chloromethane
Concen: 9.450 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 50 Resp: 52372

Ion	Ratio	Lower	Upper
50	100		
52	30.1	24.1	36.1

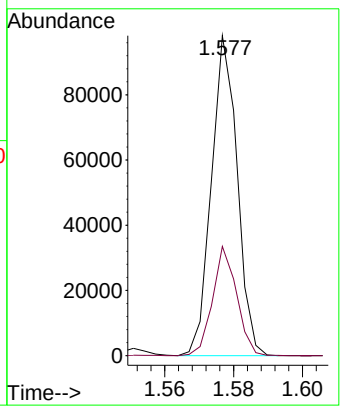




#5
Vinyl Chloride
Concen: 8.422 ppbv
RT: 1.577 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 62 Resp: 5104

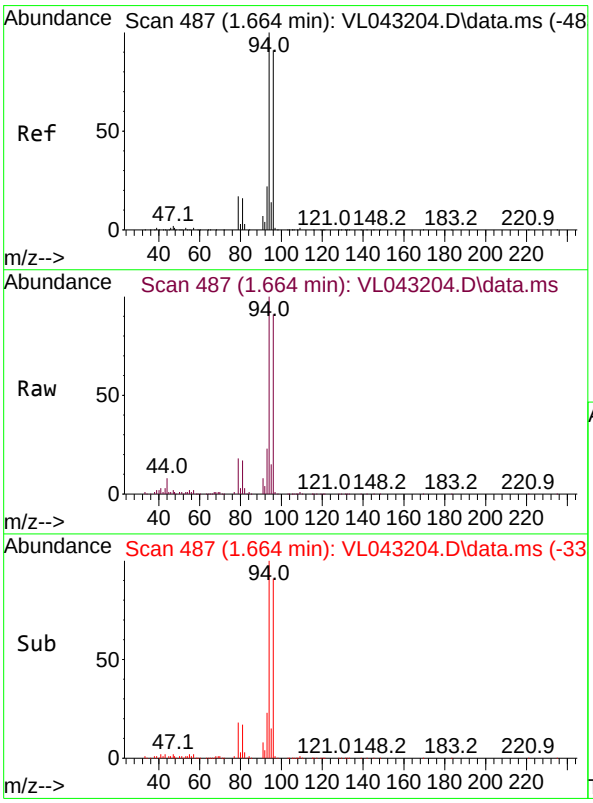
Ion	Ratio	Lower	Upper
62	100		
64	34.1	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

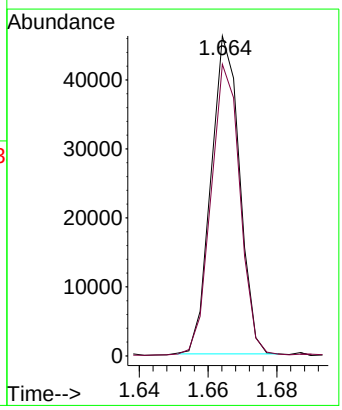
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

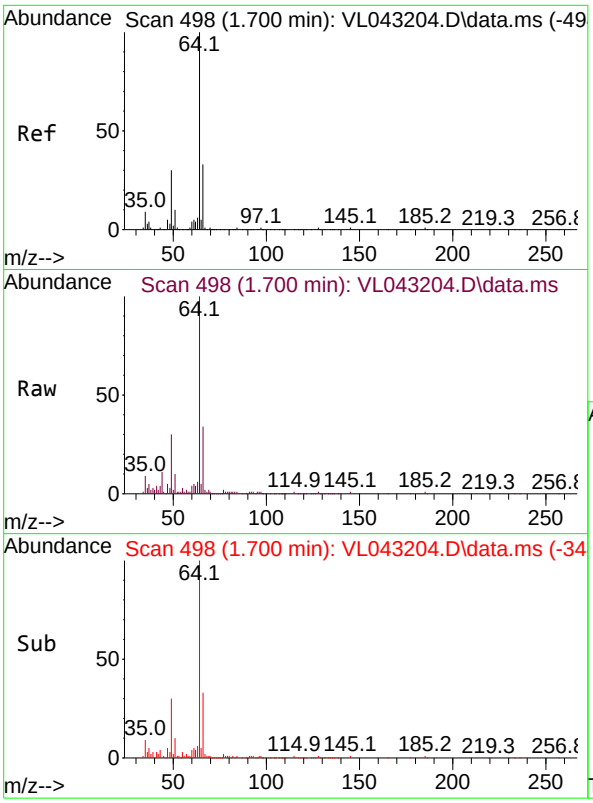


#6
Bromomethane
Concen: 9.034 ppbv
RT: 1.664 min Scan# 487
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 94 Resp: 26542

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3

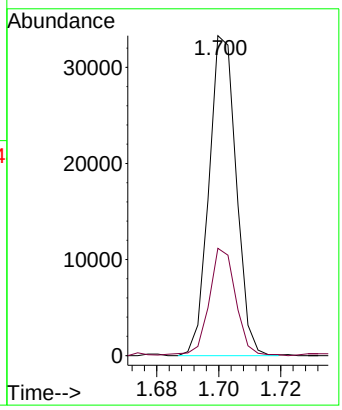




#7
Chloroethane
Concen: 8.632 ppbv
RT: 1.700 min Scan# 49
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 64 Resp: 2037

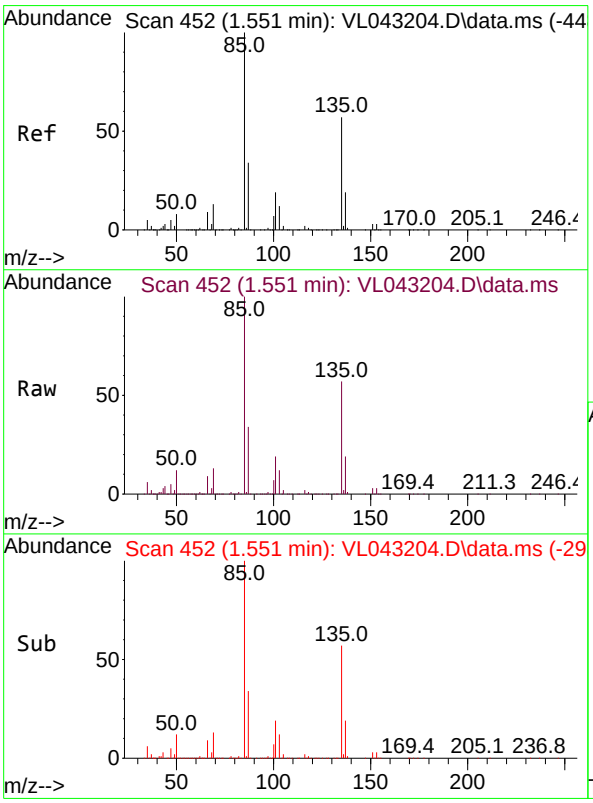
Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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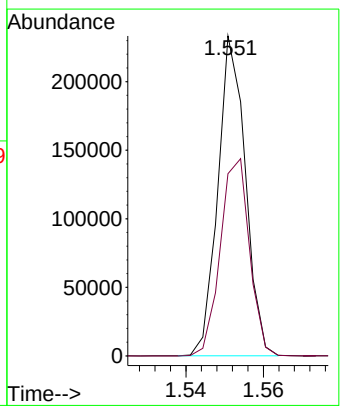
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

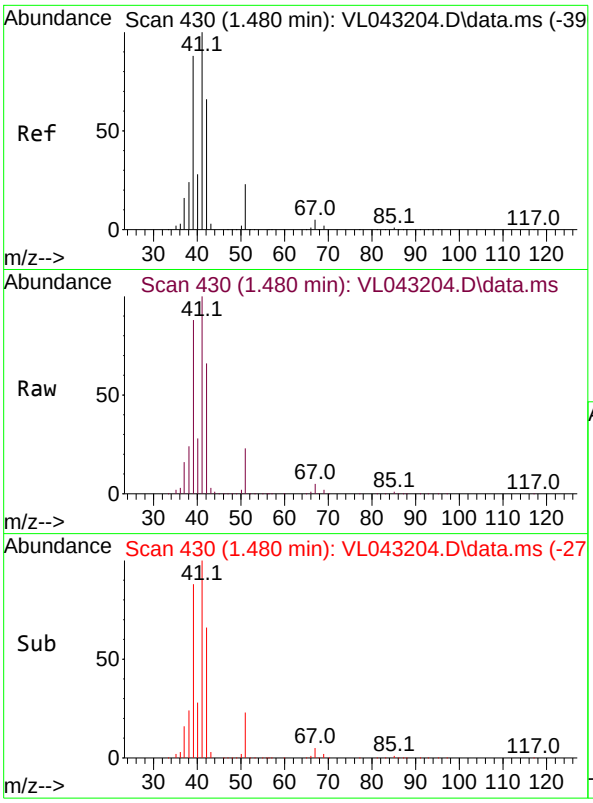


#8
Dichlorotetrafluoroethane
Concen: 9.300 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 85 Resp: 114670

Ion	Ratio	Lower	Upper
85	100		
135	65.8	52.6	79.0





#9
Propene
Concen: 7.789 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

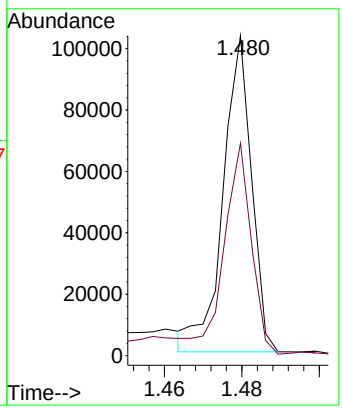
Tgt Ion: 41 Resp: 5267

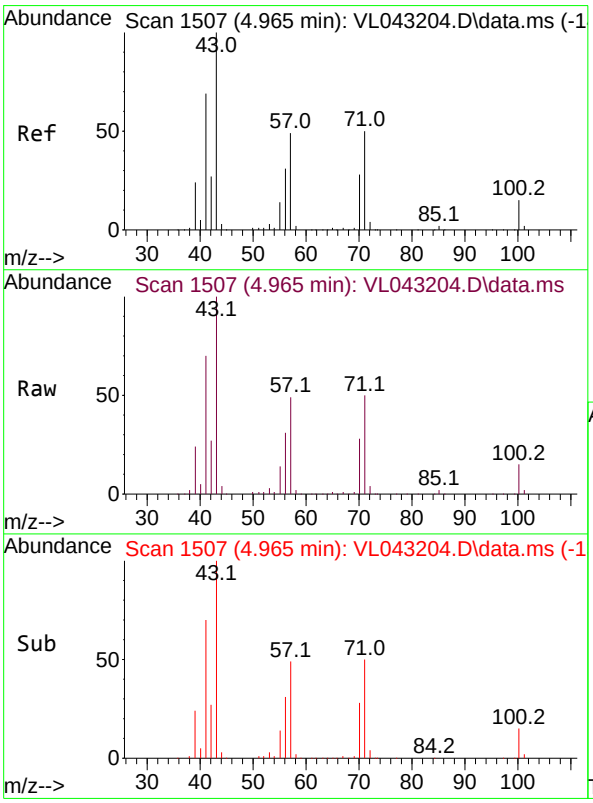
Ion	Ratio	Lower	Upper
41	100		
42	105.2	3.7	5.5#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

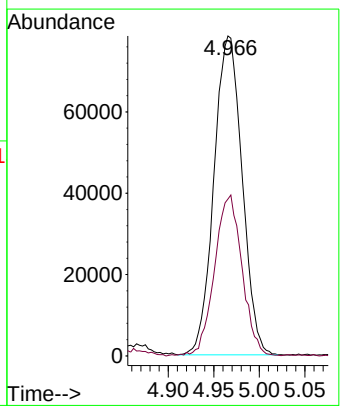


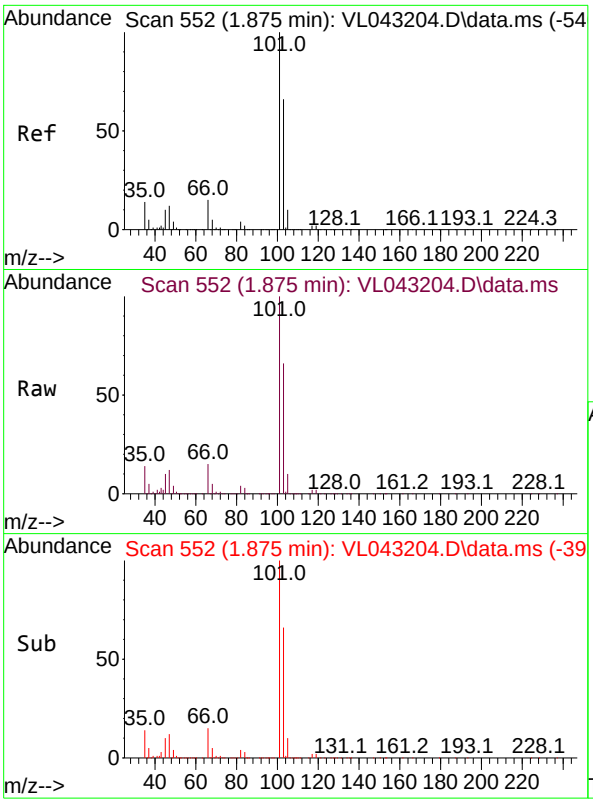


#10
Heptane
Concen: 9.090 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 168611

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.7	59.5

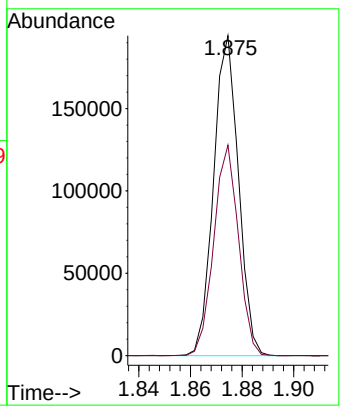




#11
Trichlorofluoromethane
Concen: 9.077 ppbv
RT: 1.875 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:101 Resp: 13036

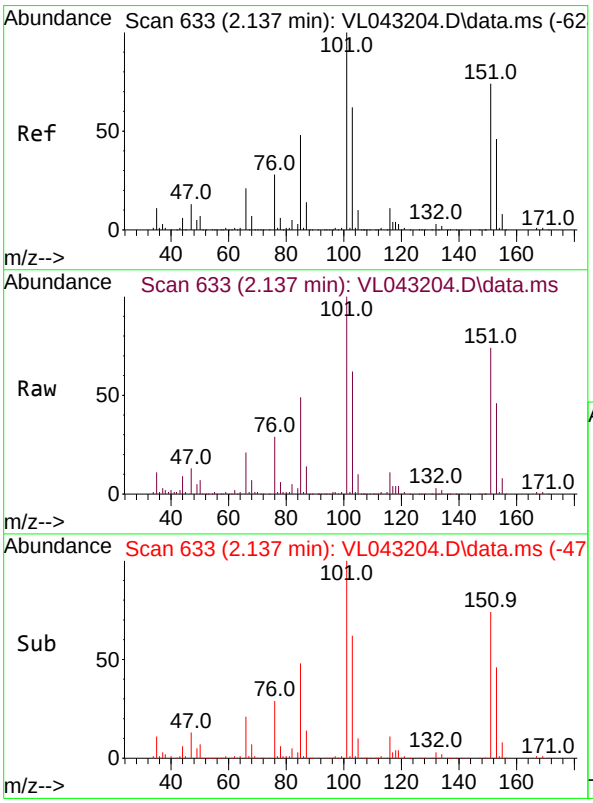
Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

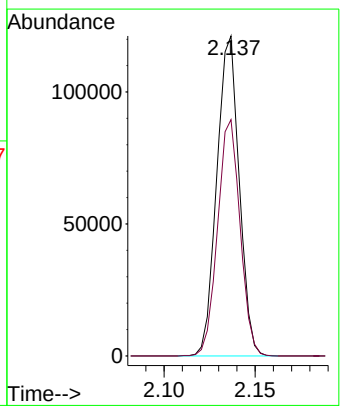
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

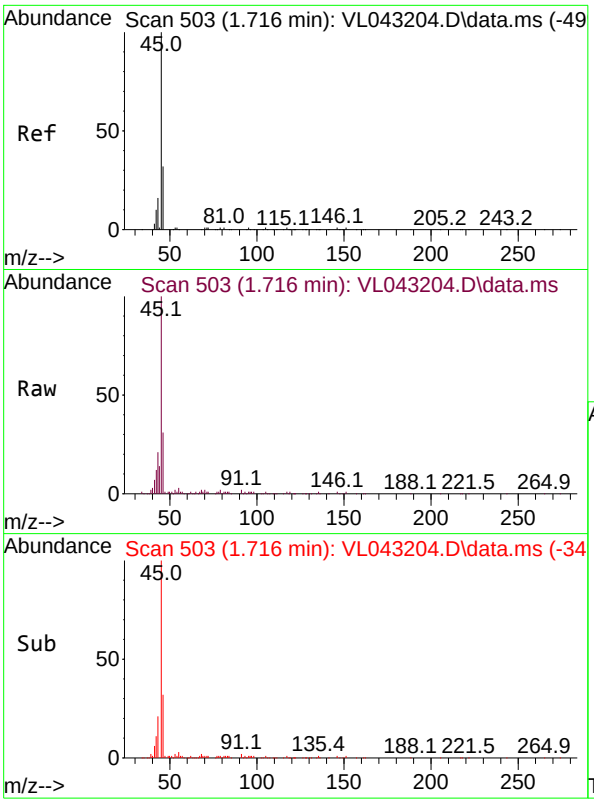


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.247 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:101 Resp: 103679

Ion	Ratio	Lower	Upper
101	100		
151	74.0	59.2	88.8

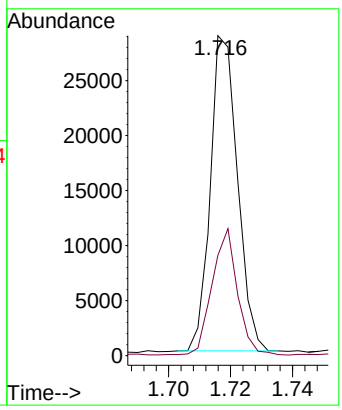




#13
Ethanol
Concen: 8.023 ppbv
RT: 1.716 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 45 Resp: 1746

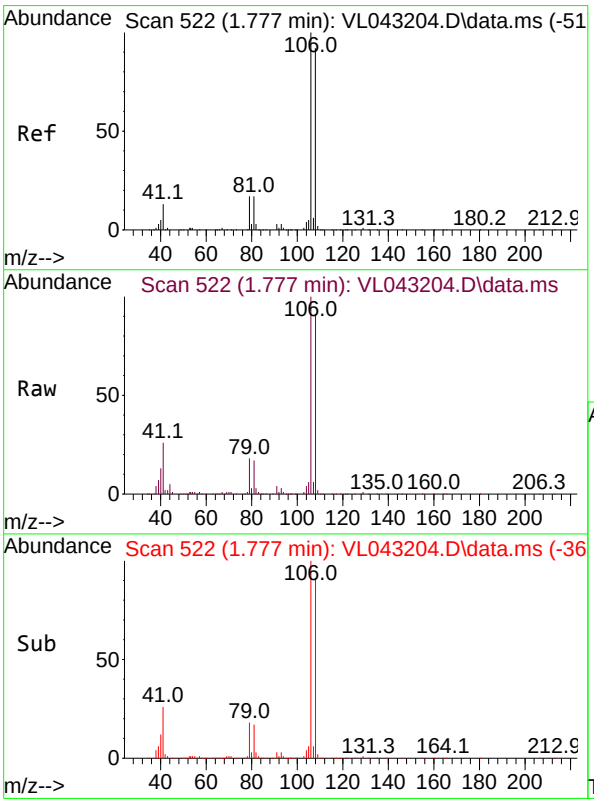
Ion	Ratio	Lower	Upper
45	100		
46	37.4	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

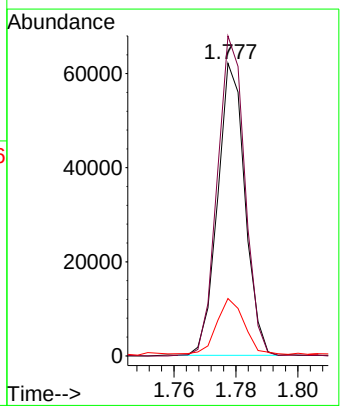
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

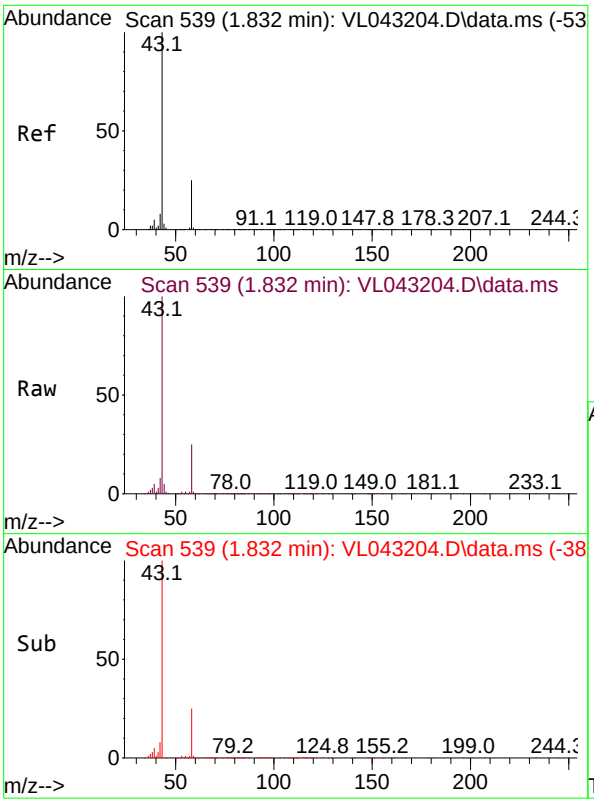


#14
Bromoethene
Concen: 8.849 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:108 Resp: 38037

Ion	Ratio	Lower	Upper
108	100		
106	111.1	88.9	133.3
79	20.6	16.5	24.7

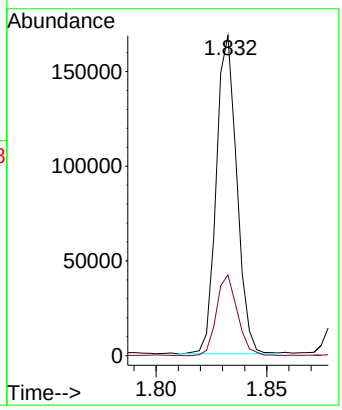




#15
Acetone
Concen: 7.426 ppbv
RT: 1.832 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 10842

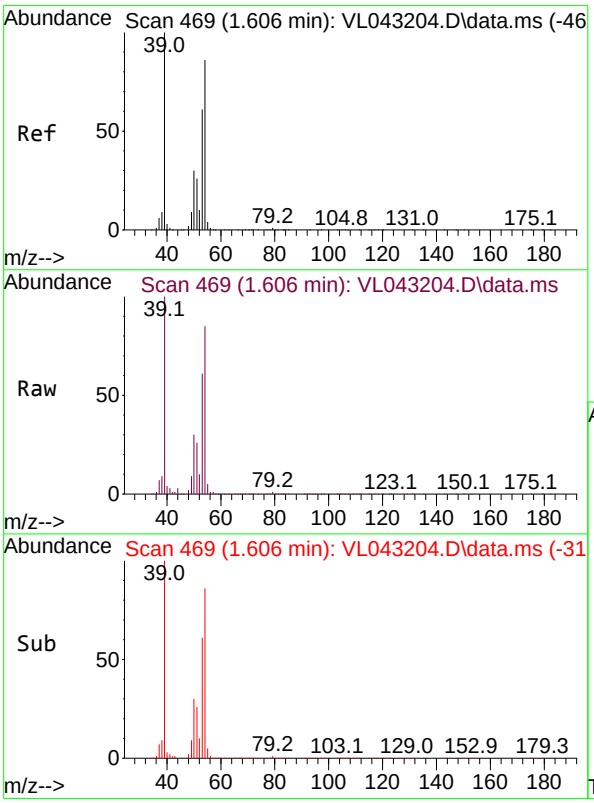
Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

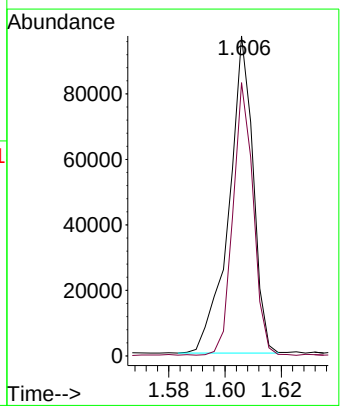
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

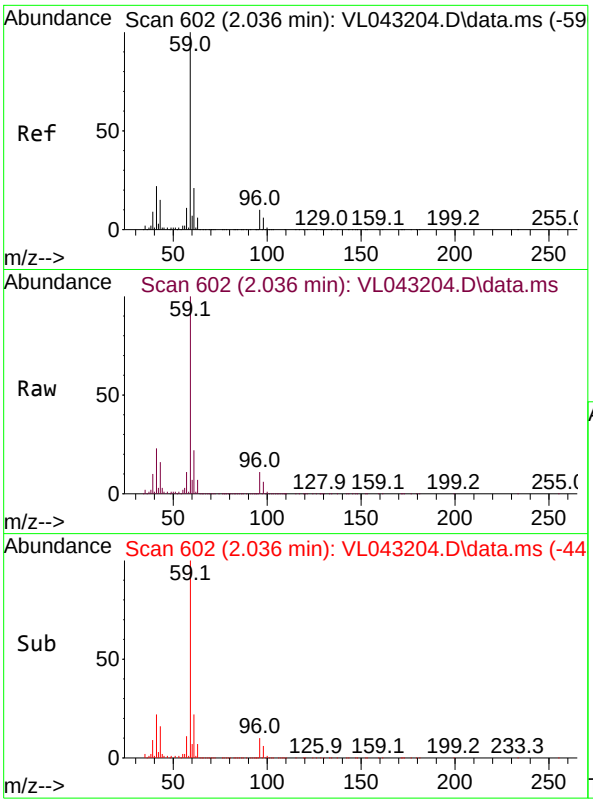


#16
1,3-Butadiene
Concen: 8.890 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 39 Resp: 57871

Ion	Ratio	Lower	Upper
39	100		
54	74.3	59.4	89.2

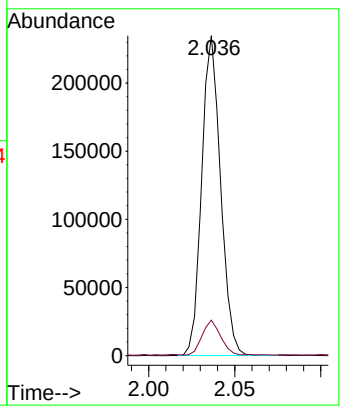




#17
tert-Butyl alcohol
Concen: 9.350 ppbv
RT: 2.036 min Scan# 6(
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 59 Resp: 17920(

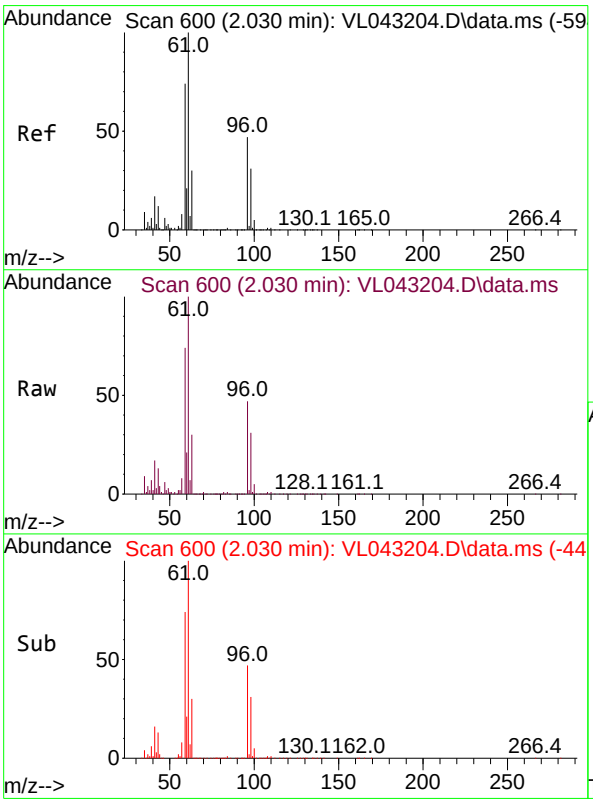
Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

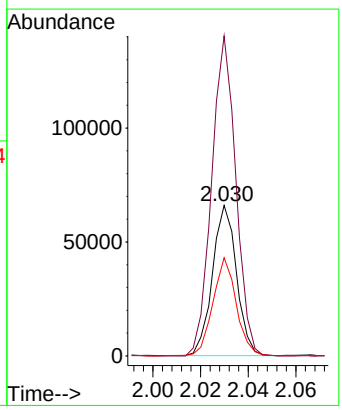
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

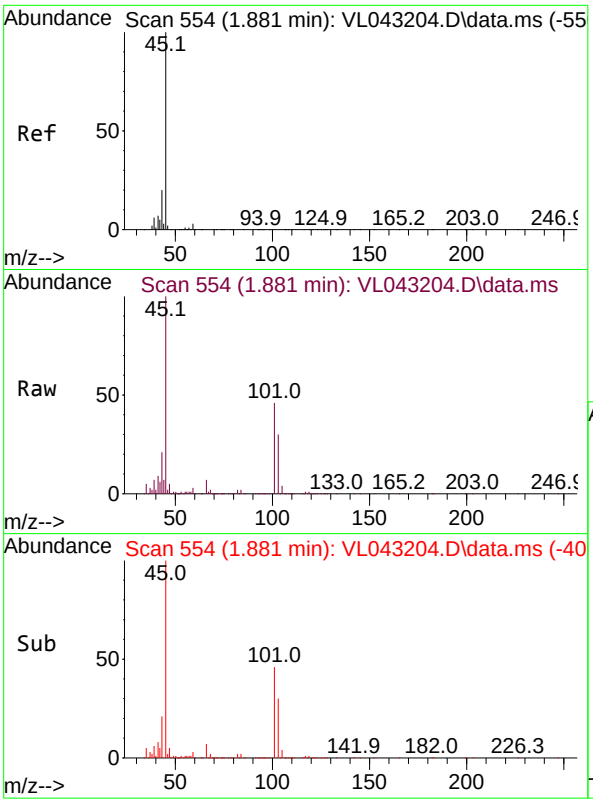


#18
1,1-Dichloroethene
Concen: 8.871 ppbv
RT: 2.030 min Scan# 600
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 96 Resp: 46313

Ion	Ratio	Lower	Upper
96	100		
61	213.2	170.6	255.8
98	65.3	52.2	78.4

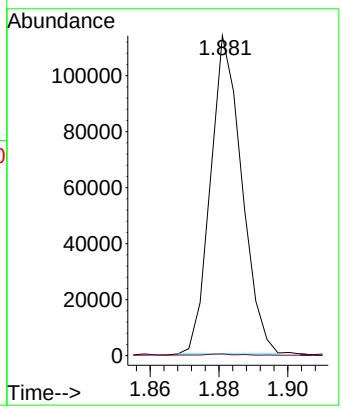




#19
Isopropyl Alcohol
Concen: 8.710 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 45 Resp: 7186

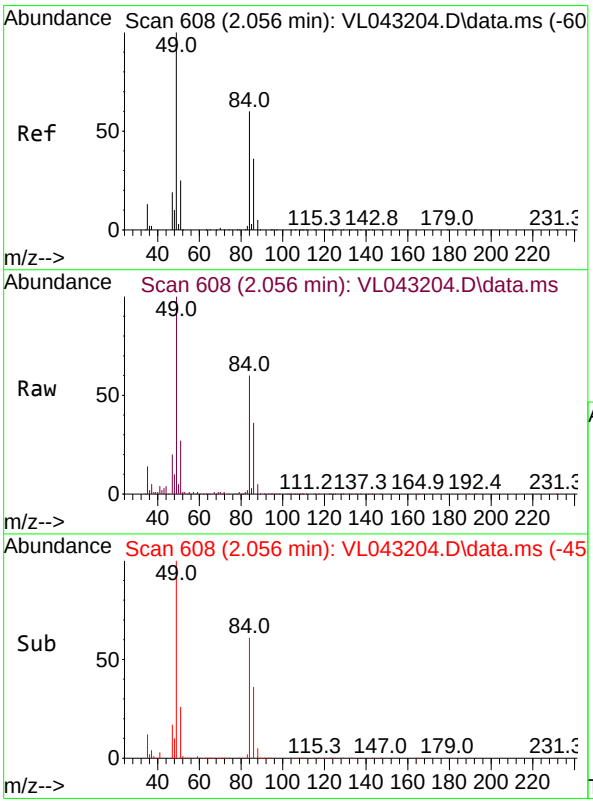
Ion	Ratio	Lower	Upper
45	100		
58	39.1	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

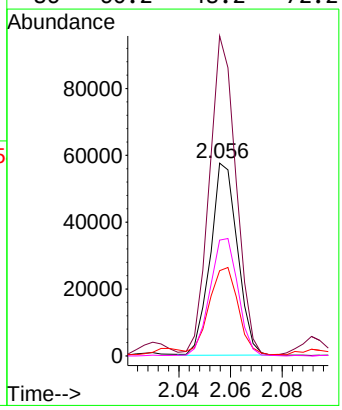
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

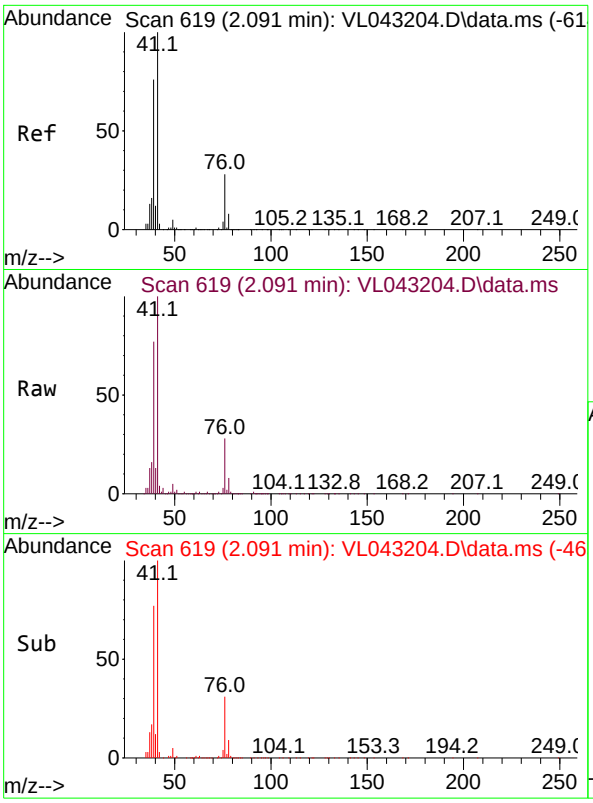


#20
Methylene Chloride
Concen: 9.708 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 84 Resp: 41868

Ion	Ratio	Lower	Upper
84	100		
49	166.1	132.9	199.3
51	43.5	34.8	52.2
86	60.2	48.2	72.2

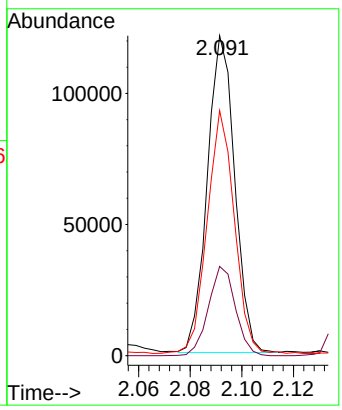




#21
Allyl Chloride
Concen: 9.087 ppbv
RT: 2.091 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 41 Resp: 8926

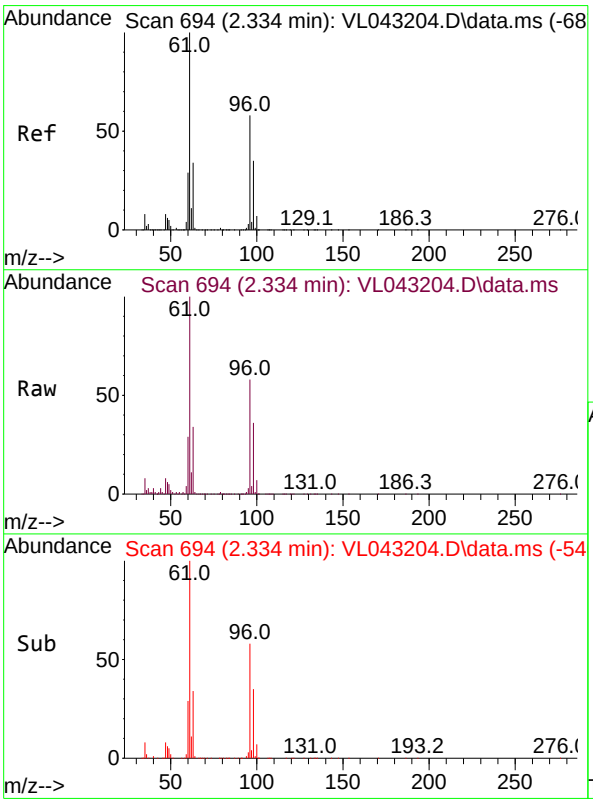
Ion	Ratio	Lower	Upper
41	100		
76	27.6	22.1	33.1
39	76.2	61.0	91.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

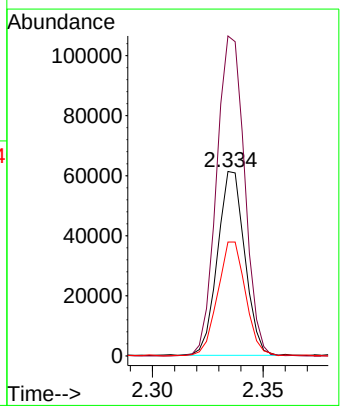
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

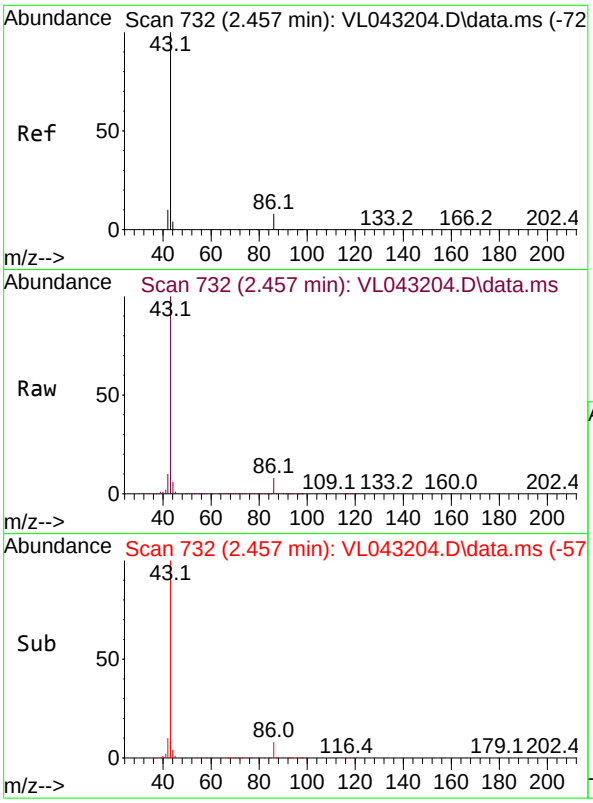


#22
trans-1,2-Dichloroethene
Concen: 8.793 ppbv
RT: 2.334 min Scan# 694
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 96 Resp: 52470

Ion	Ratio	Lower	Upper
96	100		
61	173.8	139.0	208.6
98	61.8	49.4	74.2

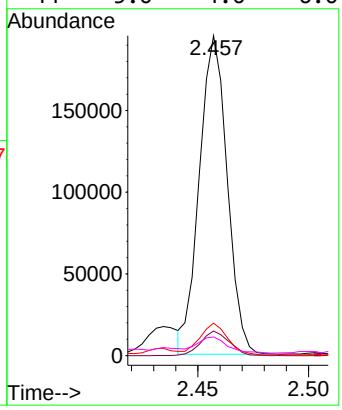




#23
Vinyl Acetate
Concen: 9.670 ppbv
RT: 2.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 17045

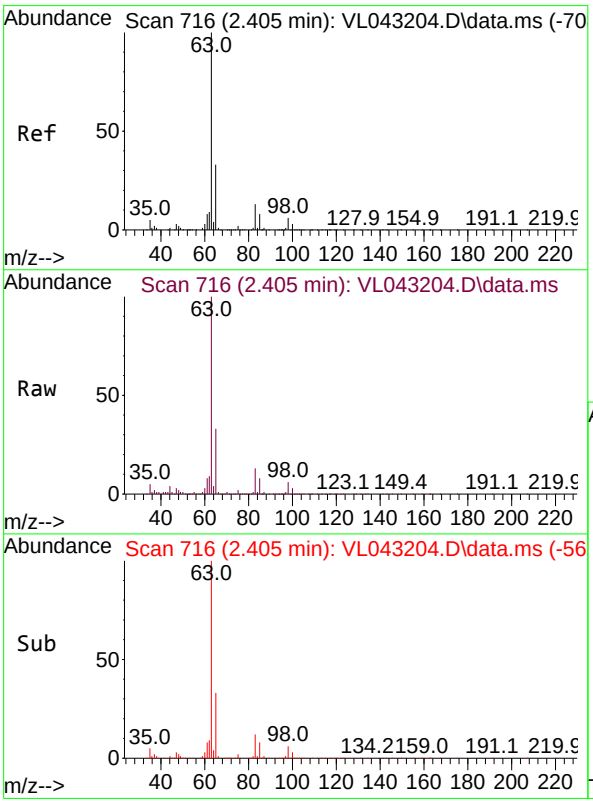
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.0	8.0	12.0
44	5.0	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

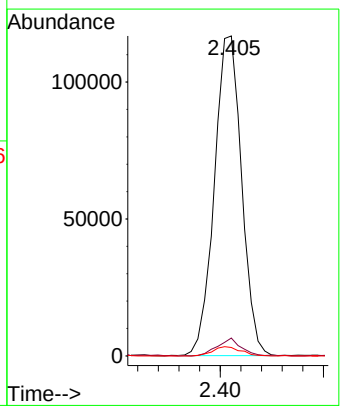
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

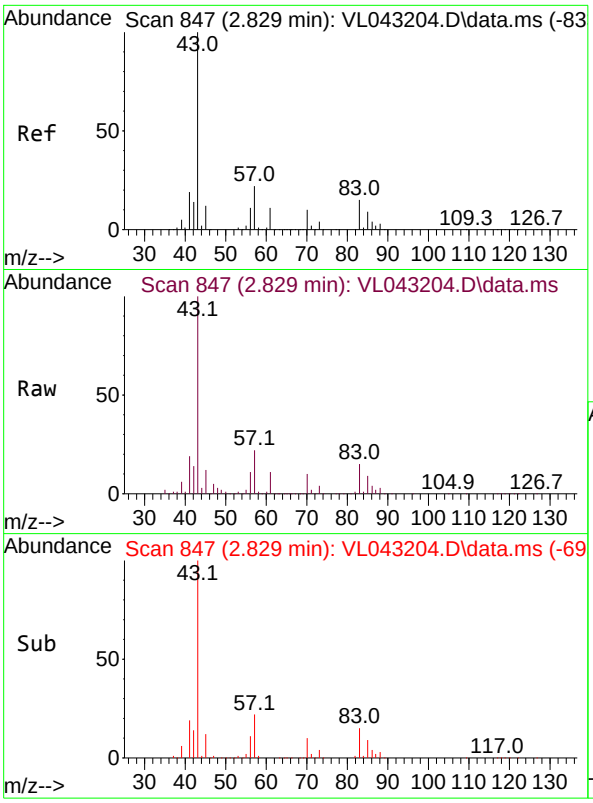


#24
1,1-Dichloroethane
Concen: 9.287 ppbv
RT: 2.405 min Scan# 716
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 63 Resp: 106970

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.8	8.4
100	2.6	1.3	3.9

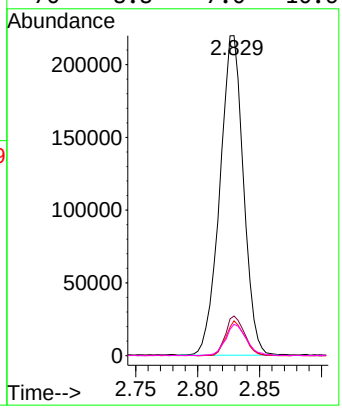




#25
Ethyl Acetate
Concen: 9.190 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 28992

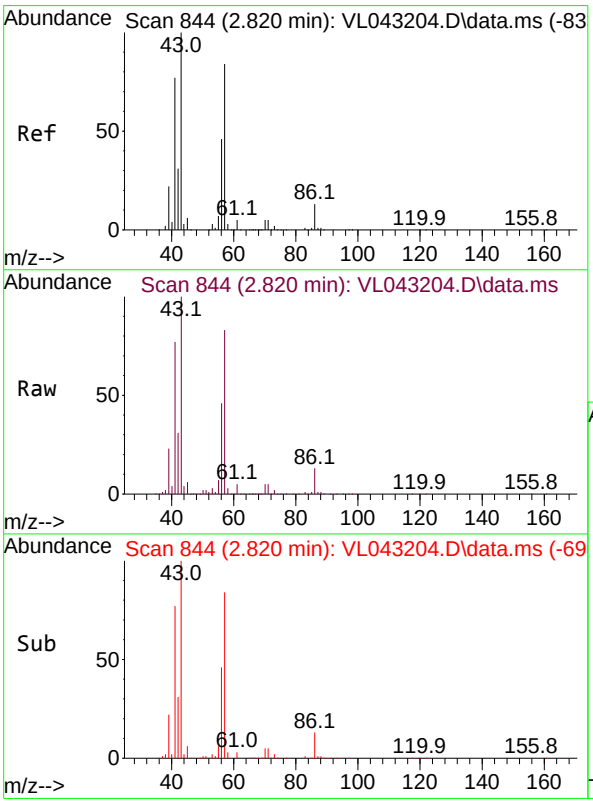
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	8.7	7.0	10.4
70	8.8	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

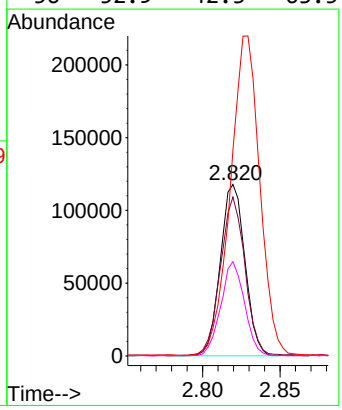
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

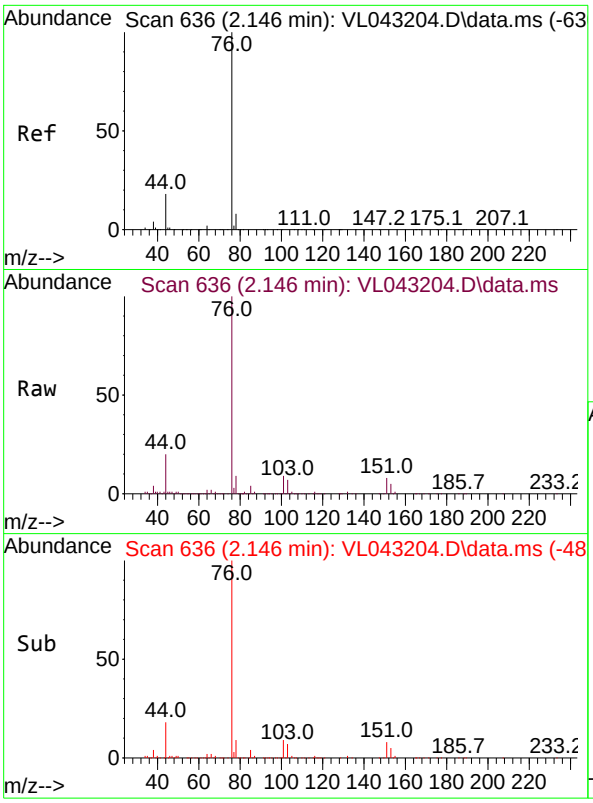


#26
Hexane
Concen: 9.402 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 57 Resp: 129809

Ion	Ratio	Lower	Upper
57	100		
41	93.2	74.6	111.8
43	223.7	179.0	268.4
56	52.9	42.3	63.5

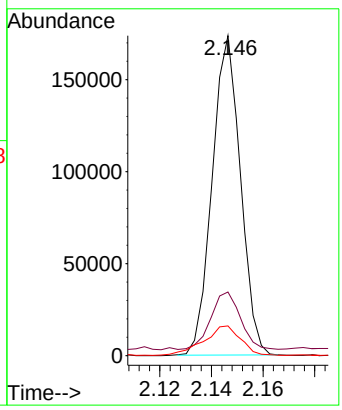




#27
Carbon Disulfide
Concen: 9.371 ppbv
RT: 2.146 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 76 Resp: 13208

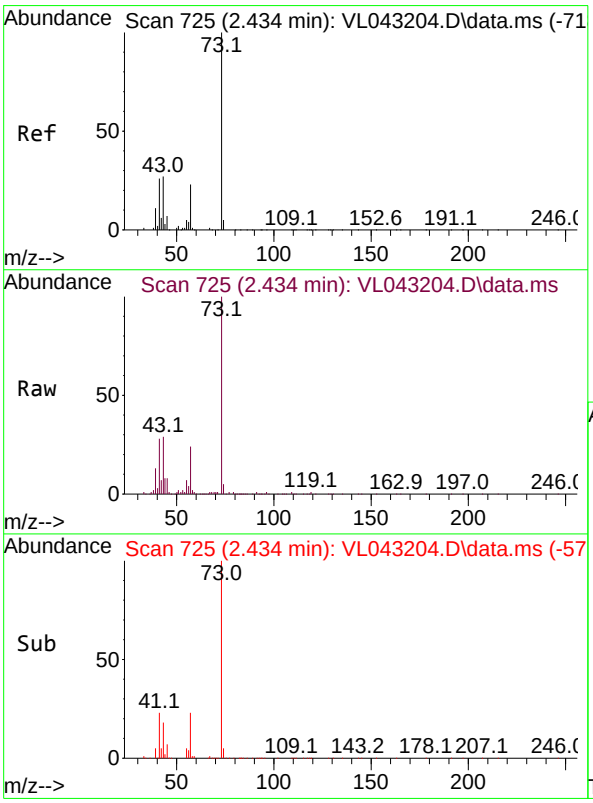
Ion	Ratio	Lower	Upper
76	100		
44	20.1	16.1	24.1
78	12.0	9.6	14.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

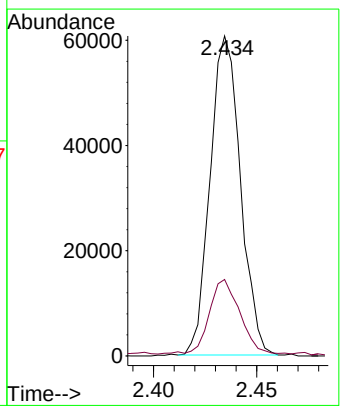
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

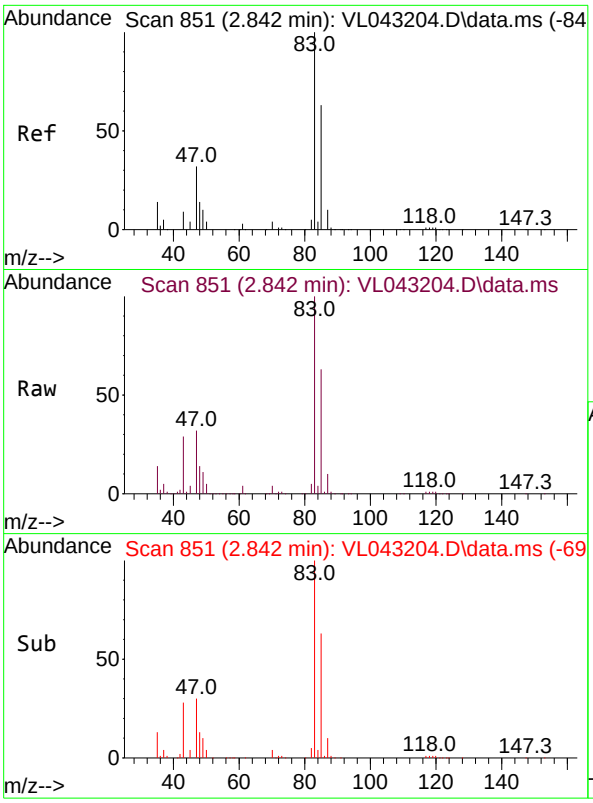


#28
Methyl tert-Butyl Ether
Concen: 9.165 ppbv
RT: 2.434 min Scan# 725
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 73 Resp: 62115

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.8

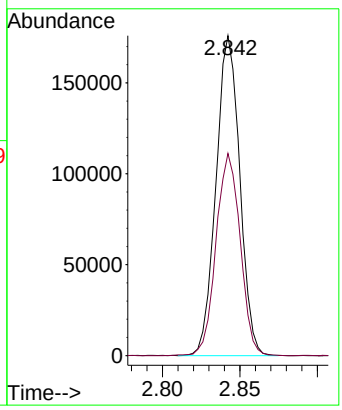




#29
Chloroform
Concen: 9.561 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 83 Resp: 18762

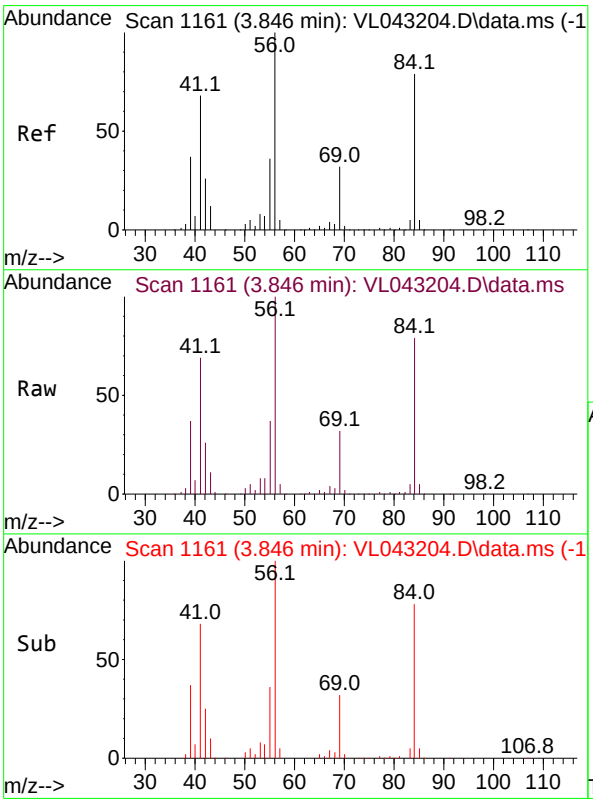
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

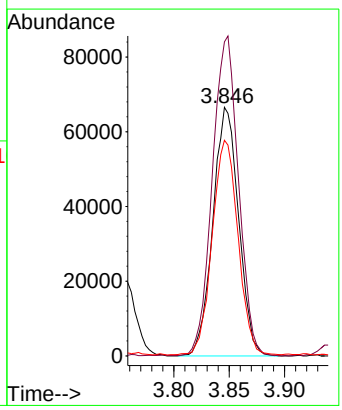
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

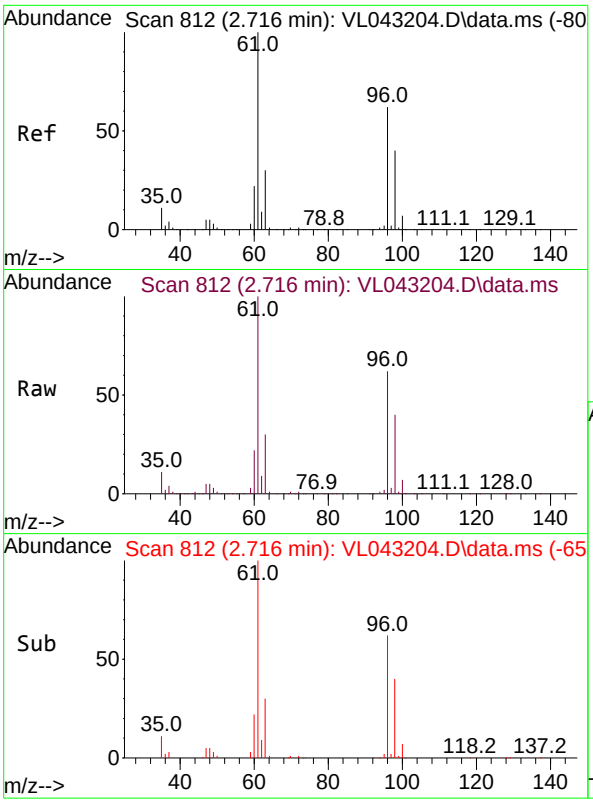


#30
Cyclohexane
Concen: 9.297 ppbv
RT: 3.846 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 84 Resp: 107621

Ion	Ratio	Lower	Upper
84	100		
56	130.9	104.7	157.1
41	86.3	69.0	103.6

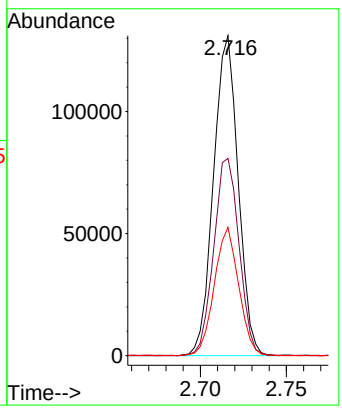




#31
cis-1,2-Dichloroethene
Concen: 9.499 ppbv
RT: 2.716 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 61 Resp: 13035

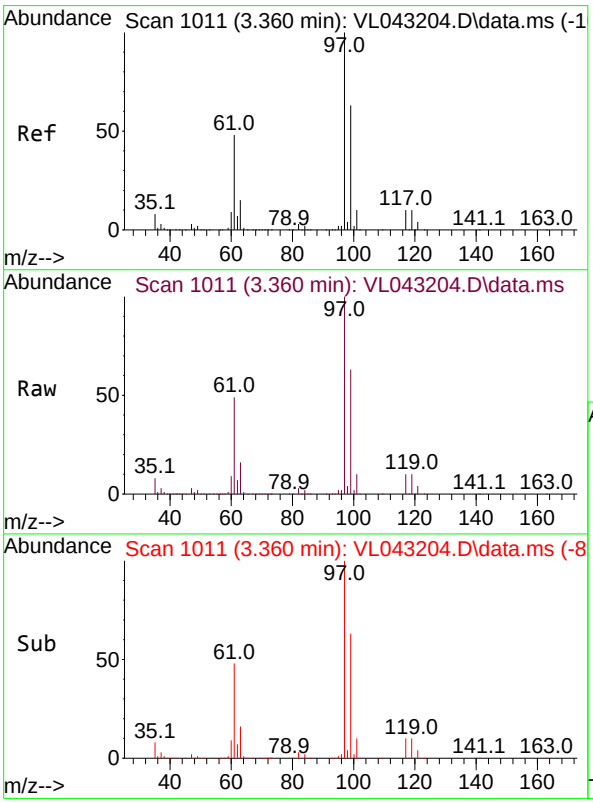
Ion	Ratio	Lower	Upper
61	100		
96	61.6	49.3	73.9
98	40.1	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

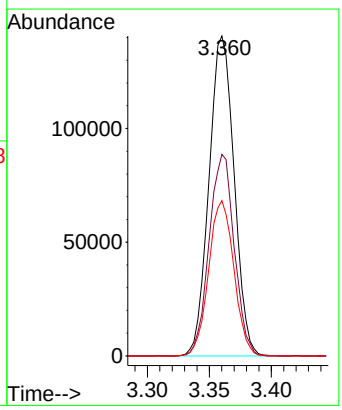
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

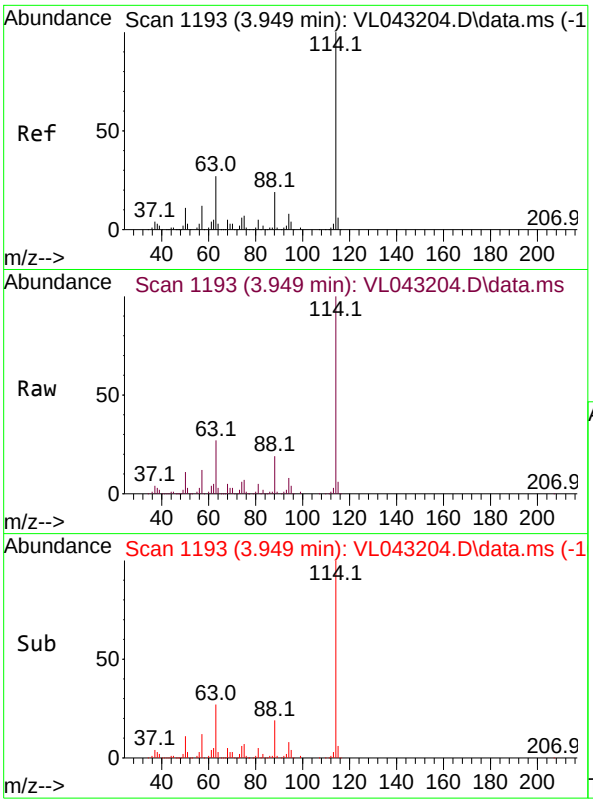


#32
1,1,1-Trichloroethane
Concen: 9.381 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 97 Resp: 198036

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.3	75.5
61	48.6	38.9	58.3

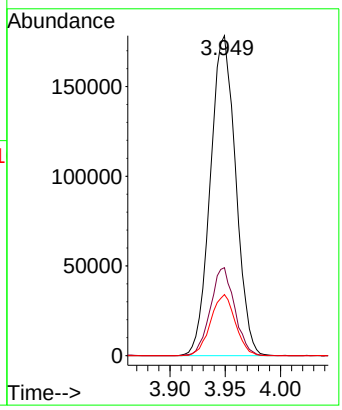




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:114 Resp: 28383

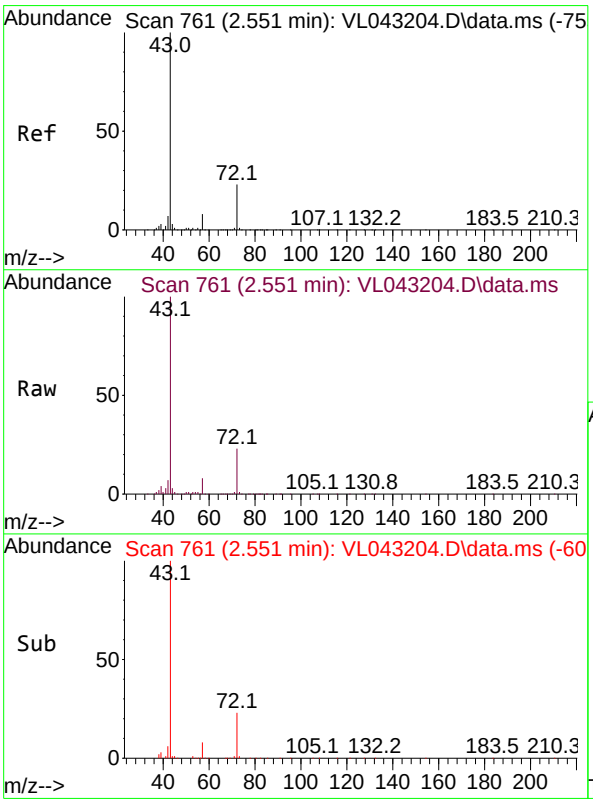
Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.0	31.6
88	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

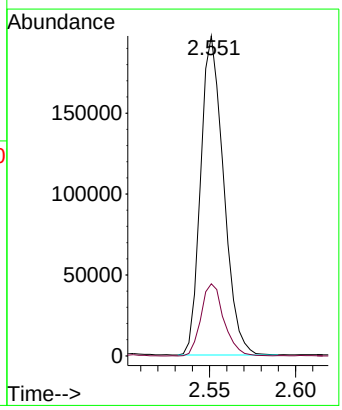
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

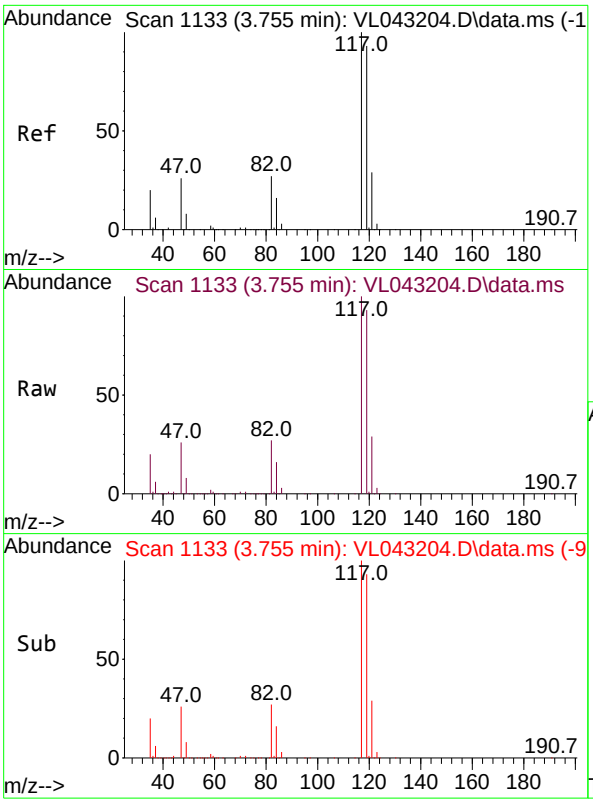


#34
2-Butanone
Concen: 9.121 ppbv
RT: 2.551 min Scan# 761
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 182749

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1

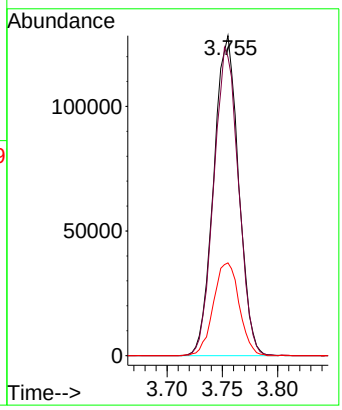




#35
Carbon Tetrachloride
Concen: 9.322 ppbv
RT: 3.755 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:117 Resp: 20083

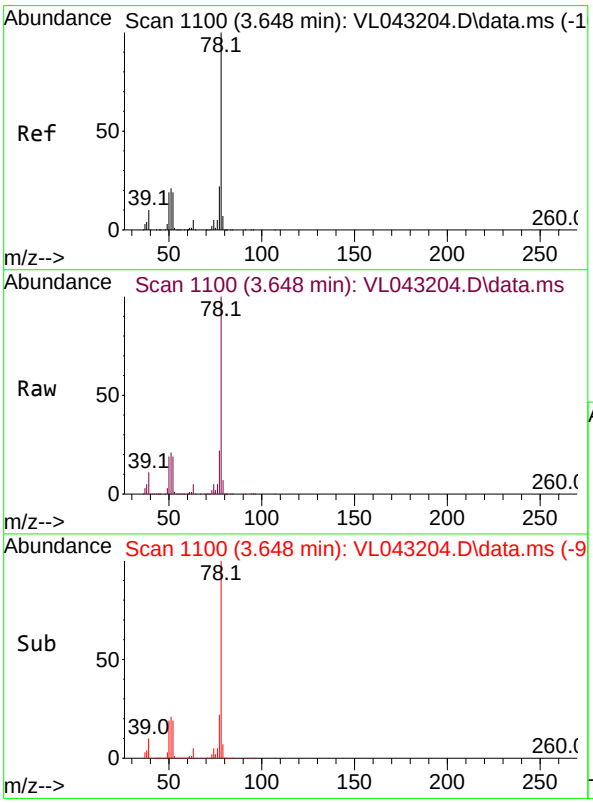
Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.6	112.0
121	29.0	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

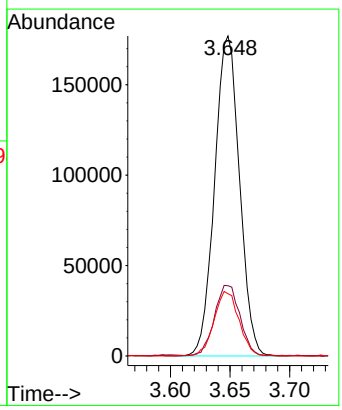
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

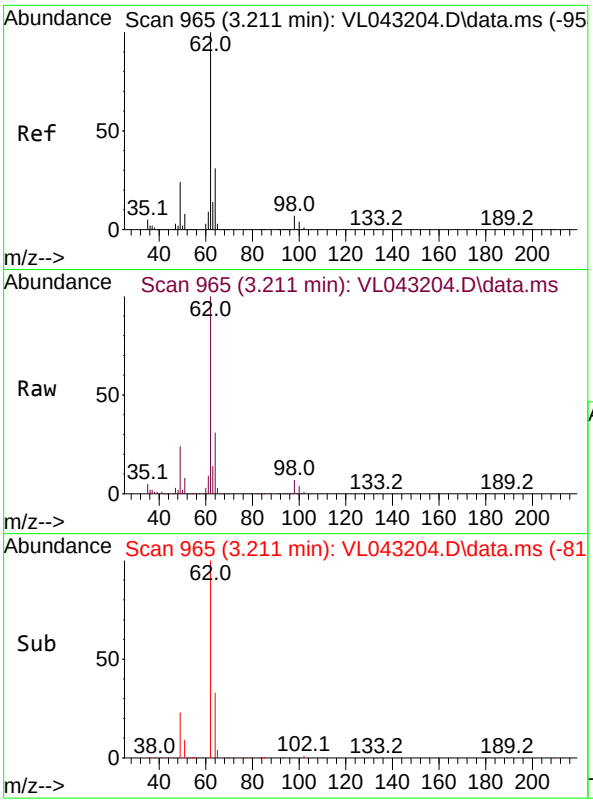


#36
Benzene
Concen: 9.453 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 78 Resp: 256954

Ion	Ratio	Lower	Upper
78	100		
77	21.9	17.5	26.3
50	19.4	15.5	23.3

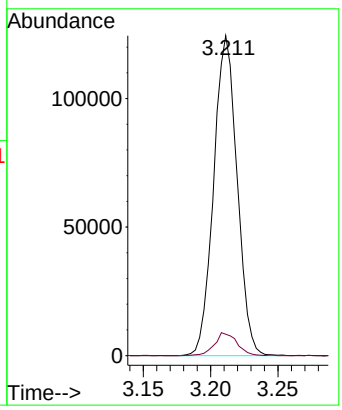




#37
1,2-Dichloroethane
Concen: 9.483 ppbv
RT: 3.211 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 62 Resp: 15076

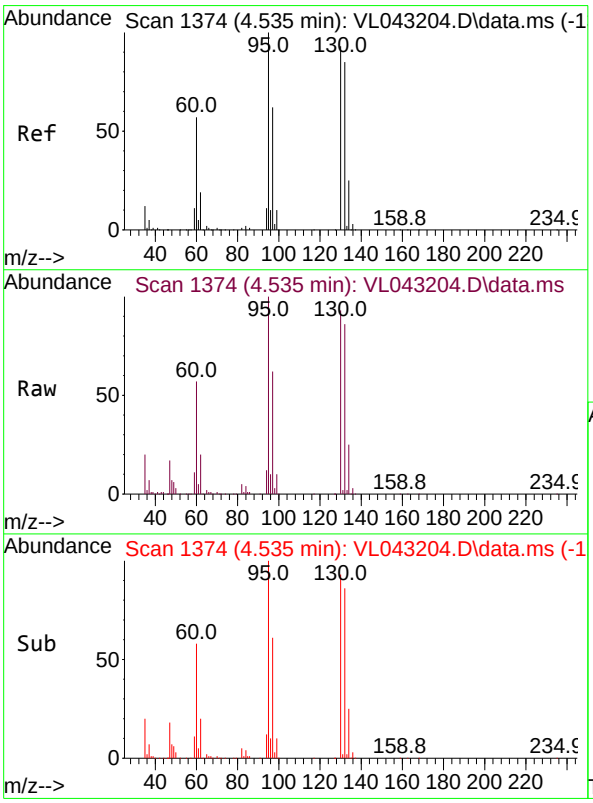
Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.5	8.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

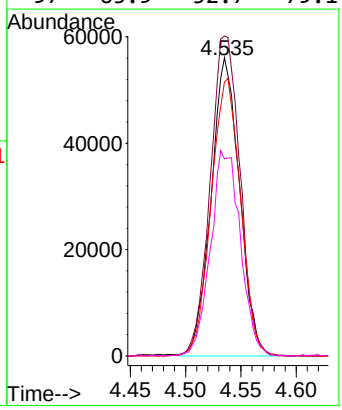
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

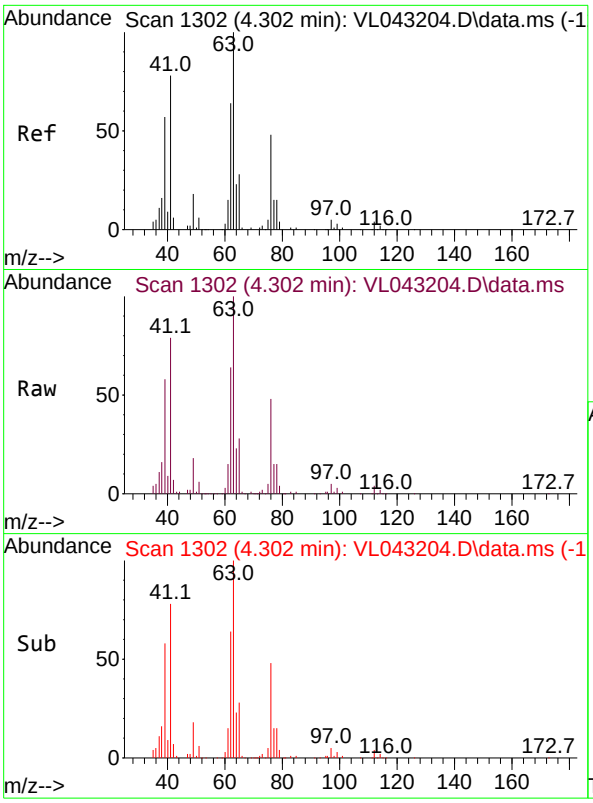


#38
Trichloroethene
Concen: 9.398 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:130 Resp: 100136

Ion	Ratio	Lower	Upper
130	100		
95	107.1	85.7	128.5
132	91.7	73.4	110.0
97	65.9	52.7	79.1





#39
1,2-Dichloropropane
Concen: 9.559 ppbv
RT: 4.302 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

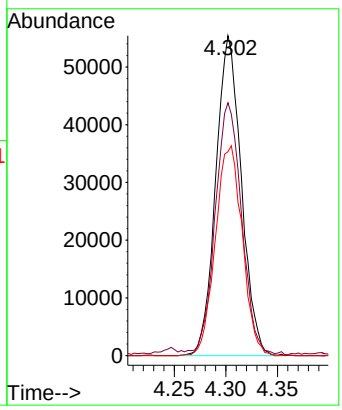
Tgt Ion: 63 Resp: 9509

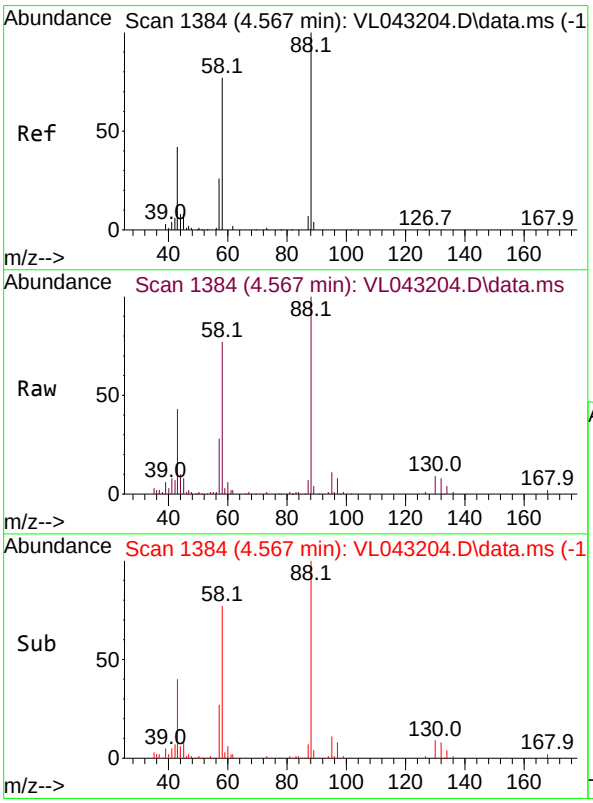
Ion	Ratio	Lower	Upper
63	100		
41	78.2	62.6	93.8
62	63.8	51.0	76.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

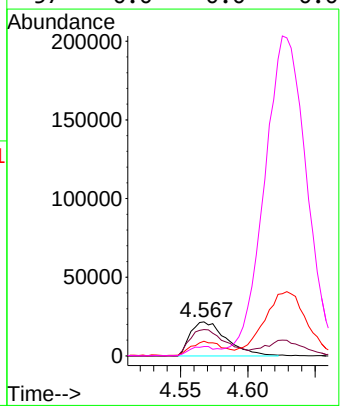


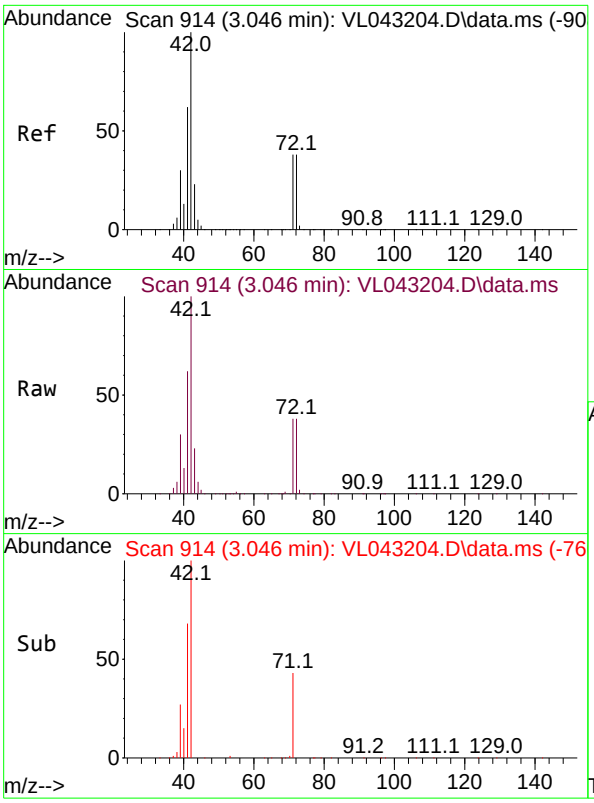


#40
1,4-Dioxane
Concen: 9.043 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 88 Resp: 40441

Ion	Ratio	Lower	Upper
88	100		
58	78.8	63.0	94.6
43	40.6	32.5	48.7
57	0.0	0.0	0.0

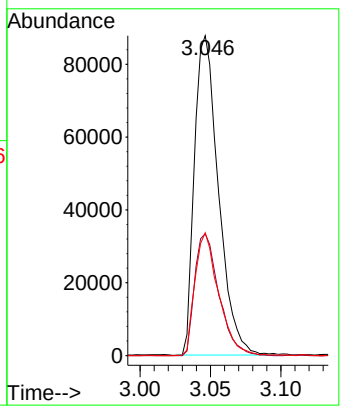




#41
Tetrahydrofuran
Concen: 9.426 ppbv
RT: 3.046 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 42 Resp: 10429

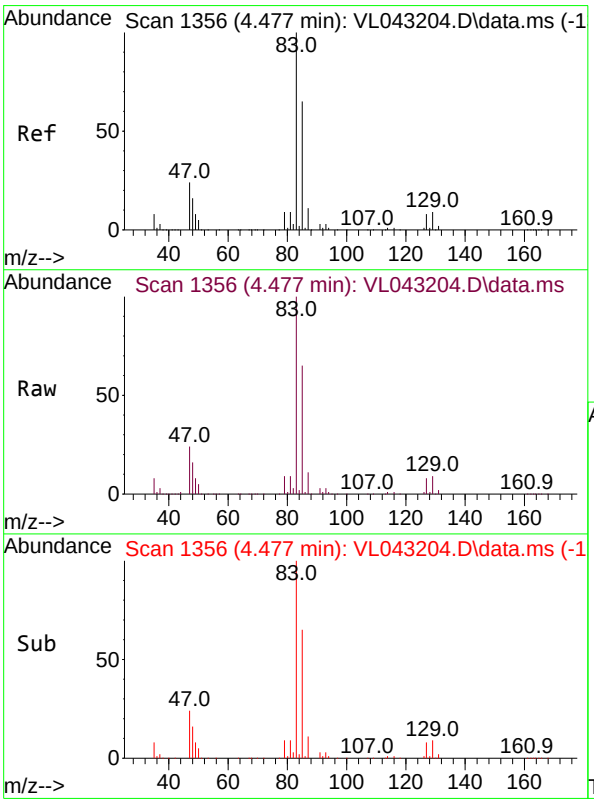
Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.6	46.0
71	38.1	30.5	45.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

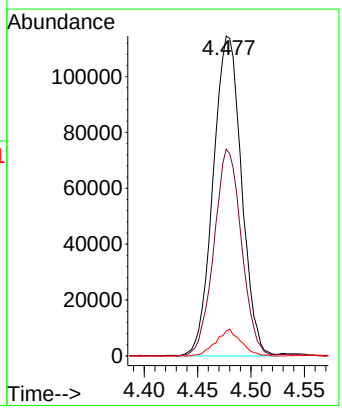
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

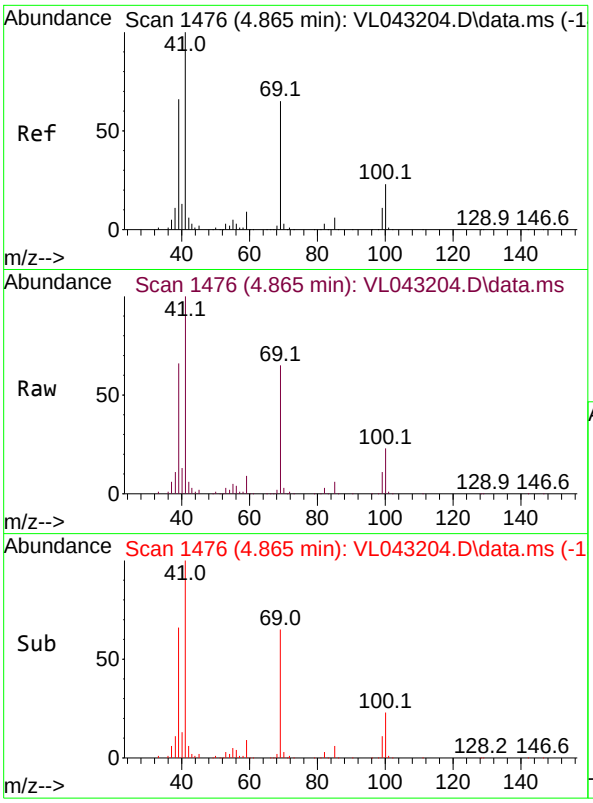


#42
Bromodichloromethane
Concen: 9.643 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 83 Resp: 211504

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	7.9	6.3	9.5

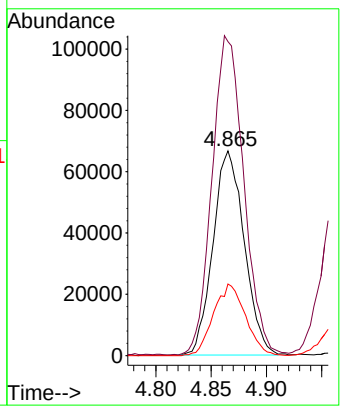




#43
Methyl Methacrylate
Concen: 9.080 ppbv
RT: 4.865 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 69 Resp: 13100

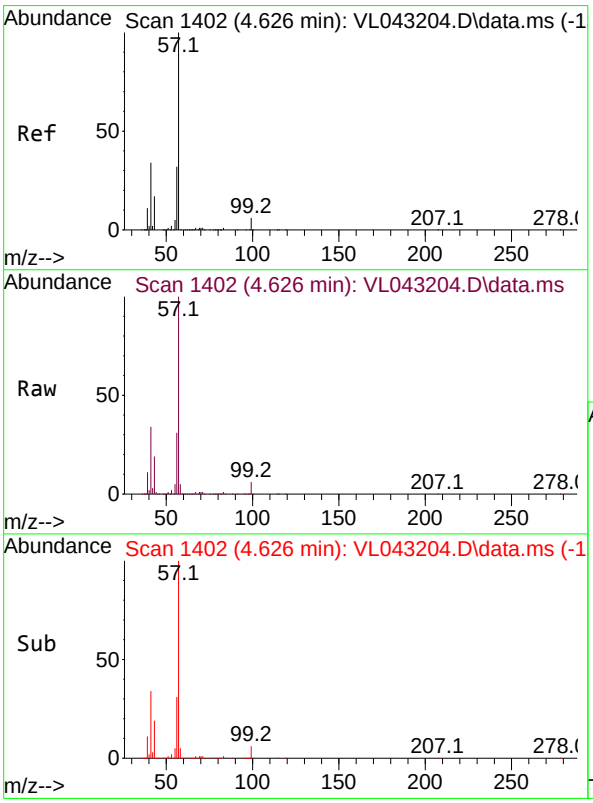
Ion	Ratio	Lower	Upper
69	100		
41	158.4	126.7	190.1
100	35.8	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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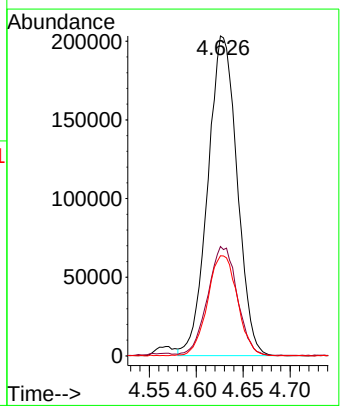
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

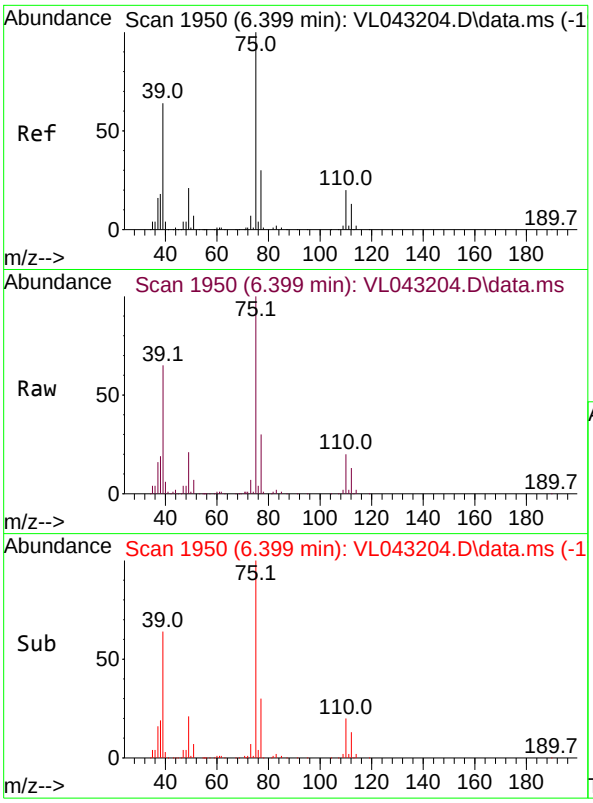


#44
2,2,4-Trimethylpentane
Concen: 9.451 ppbv
RT: 4.626 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 57 Resp: 441234

Ion	Ratio	Lower	Upper
57	100		
41	35.0	28.0	42.0
56	32.0	25.6	38.4

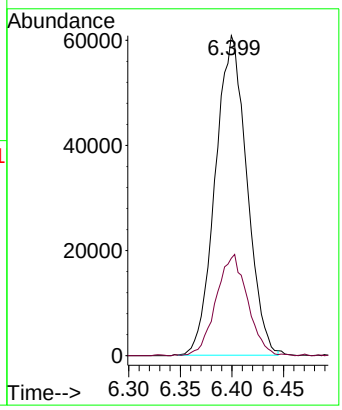




#45
t-1,3-Dichloropropene
Concen: 9.601 ppbv
RT: 6.399 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 75 Resp: 12912

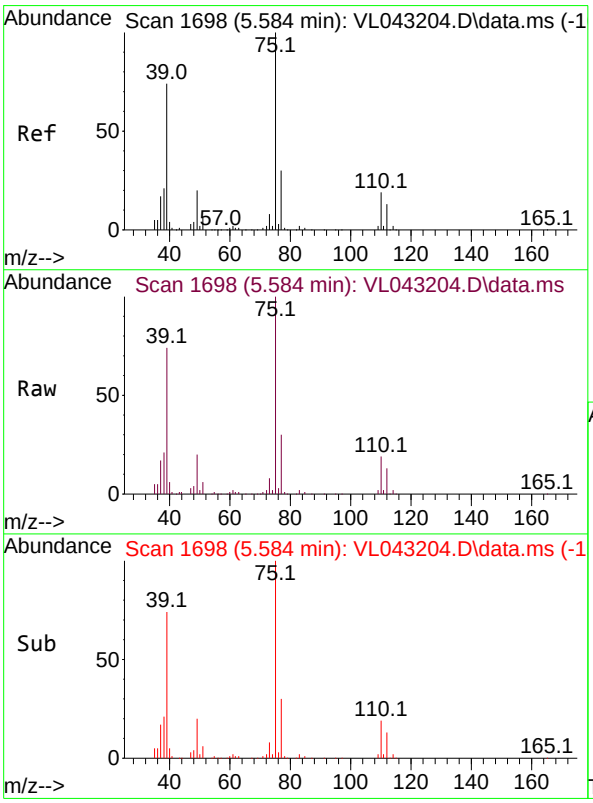
Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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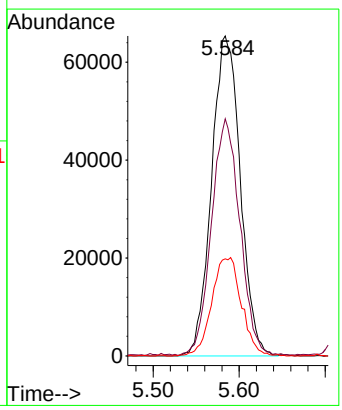
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

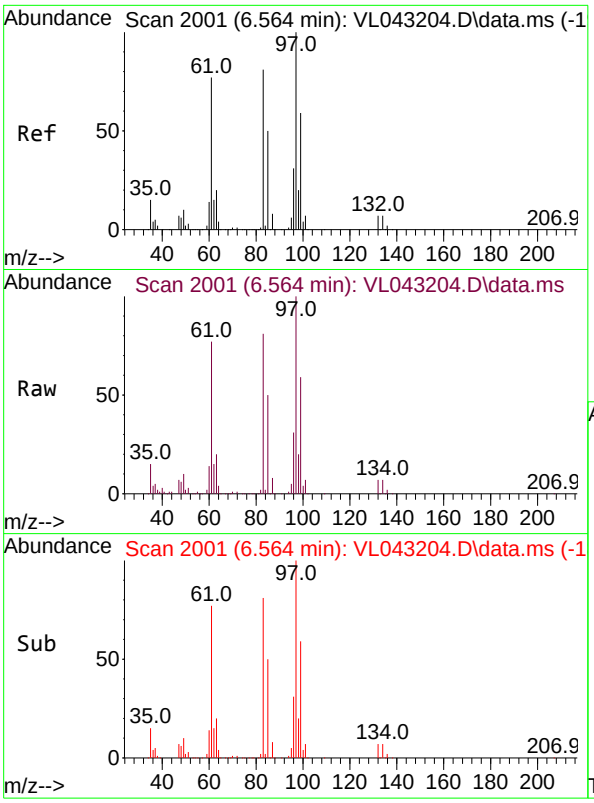


#46
cis-1,3-Dichloropropene
Concen: 9.603 ppbv
RT: 5.584 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 75 Resp: 151655

Ion	Ratio	Lower	Upper
75	100		
39	73.9	59.1	88.7
77	30.2	24.2	36.2

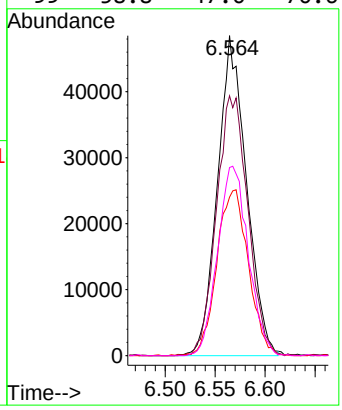




#47
1,1,2-Trichloroethane
Concen: 9.193 ppbv
RT: 6.564 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 97 Resp: 9751

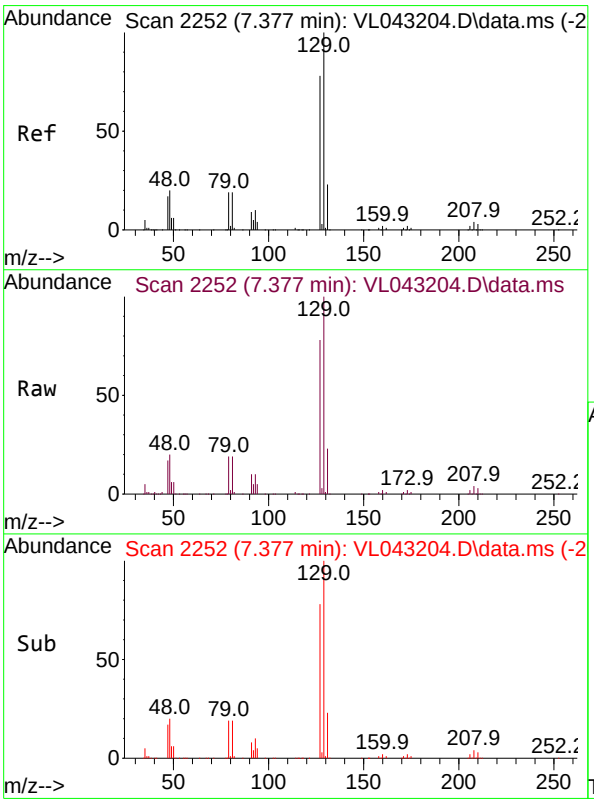
Ion	Ratio	Lower	Upper
97	100		
83	80.8	64.6	97.0
85	49.3	39.4	59.2
99	58.8	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

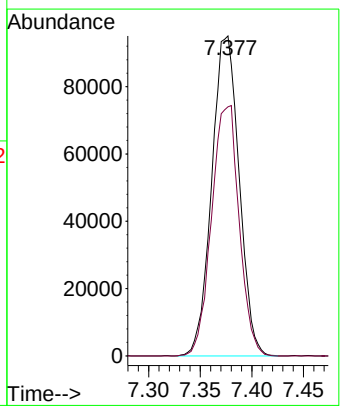
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

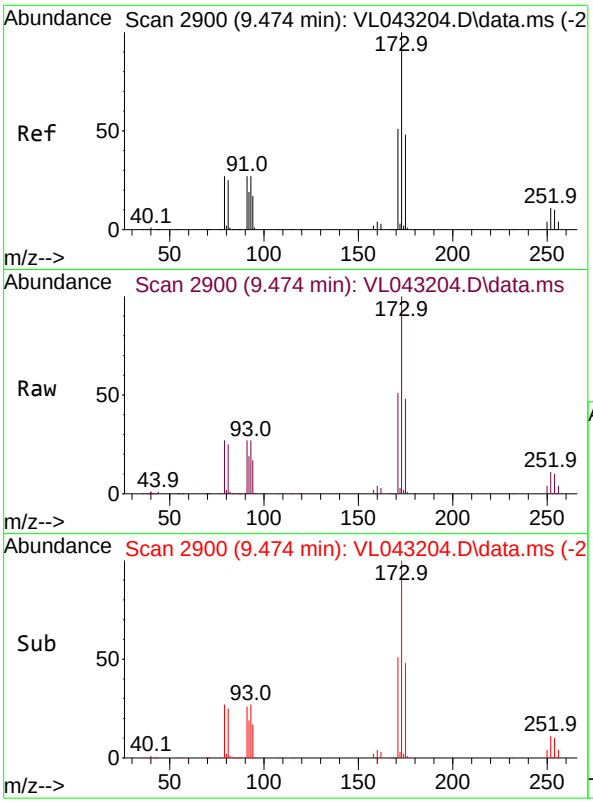


#48
Dibromochloromethane
Concen: 9.670 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:129 Resp: 175529

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9





#49
Bromoform
Concen: 9.800 ppbv
RT: 9.474 min Scan# 29
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

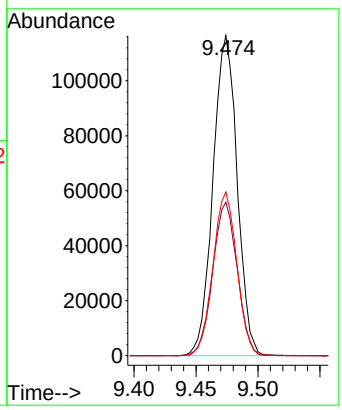
Tgt Ion:173 Resp: 15756

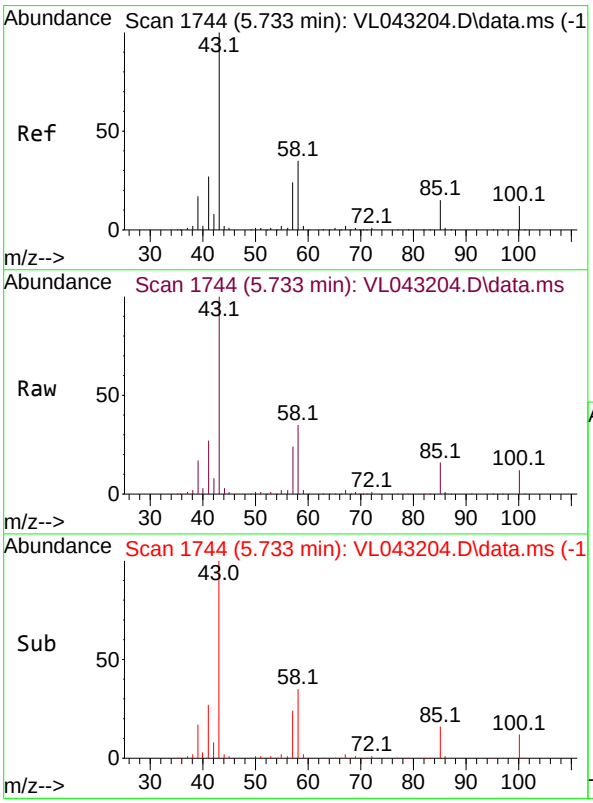
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
171	50.8	40.6	61.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

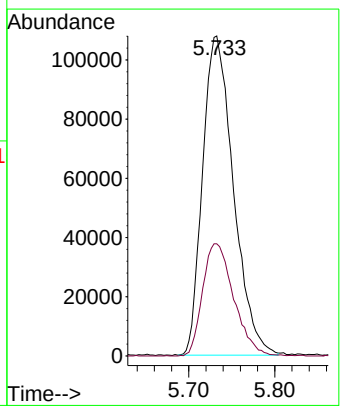


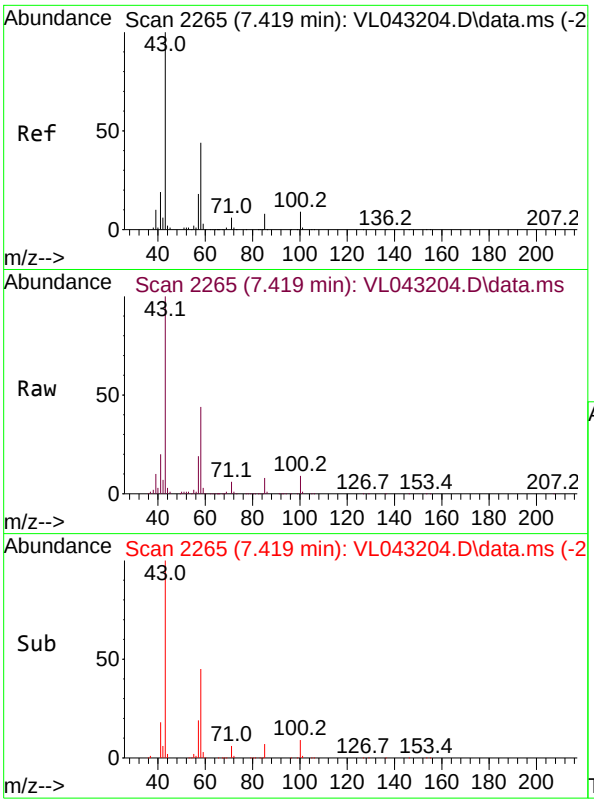


#50
4-Methyl-2-Pentanone
Concen: 9.509 ppbv
RT: 5.733 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 268369

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.4	42.6

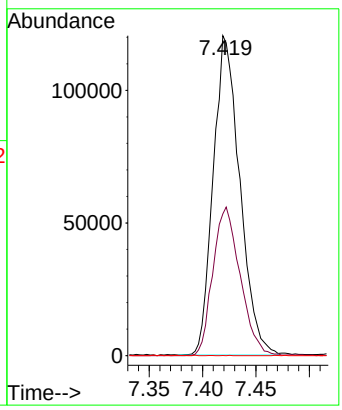




#51
2-Hexanone
Concen: 9.503 ppbv
RT: 7.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 20826

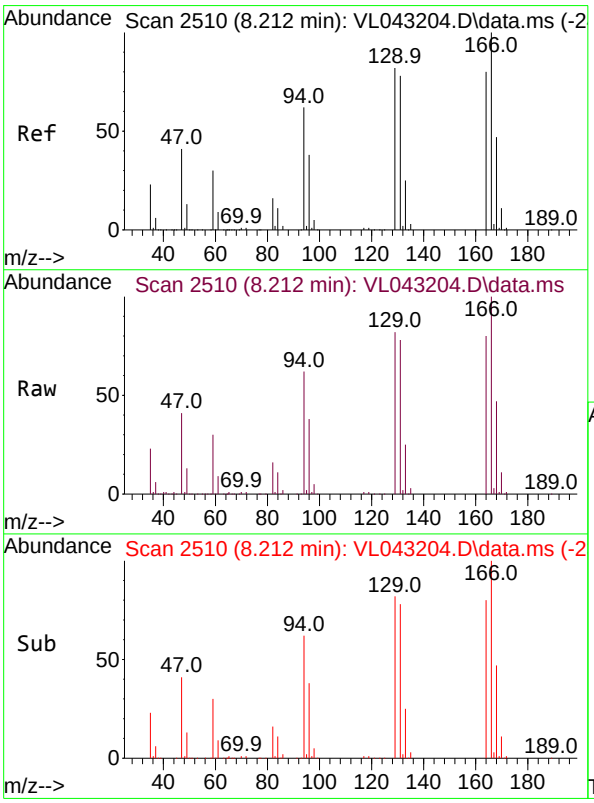
Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.4	57.6
98	0.0	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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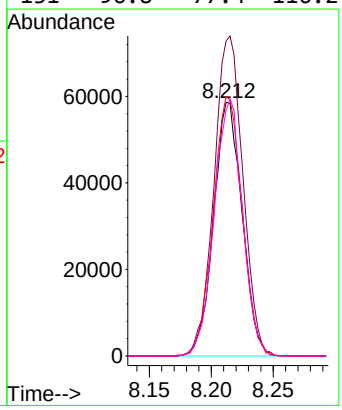
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

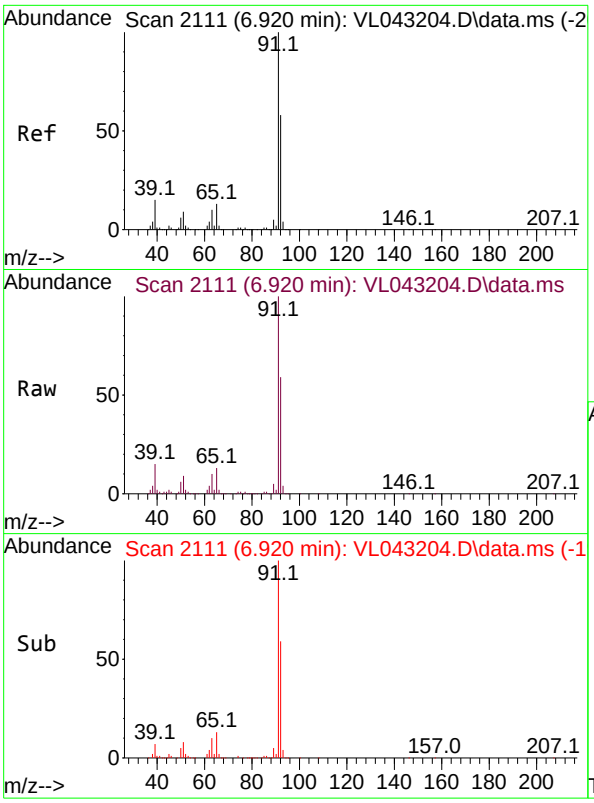


#52
Tetrachloroethene
Concen: 9.249 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:164 Resp: 93518

Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.4	149.2
129	102.3	81.8	122.8
131	96.8	77.4	116.2

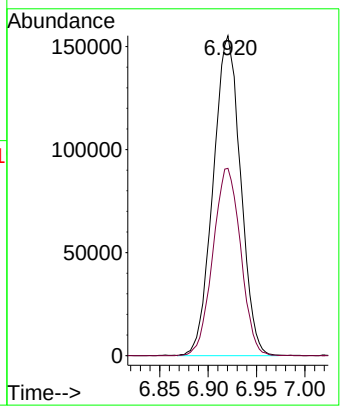




#53
Toluene
Concen: 9.422 ppbv
RT: 6.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 305169

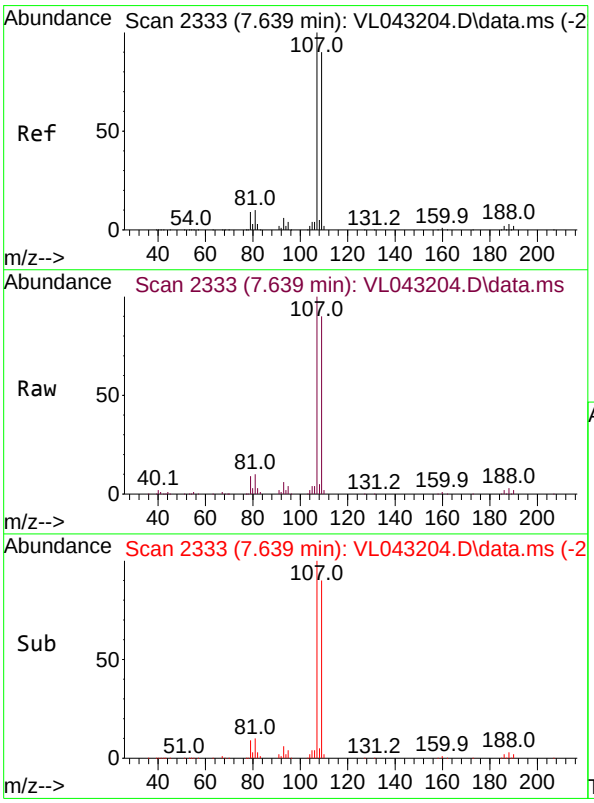
Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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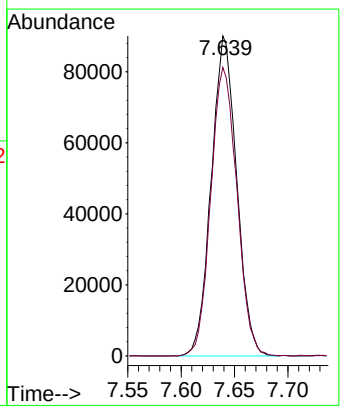
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

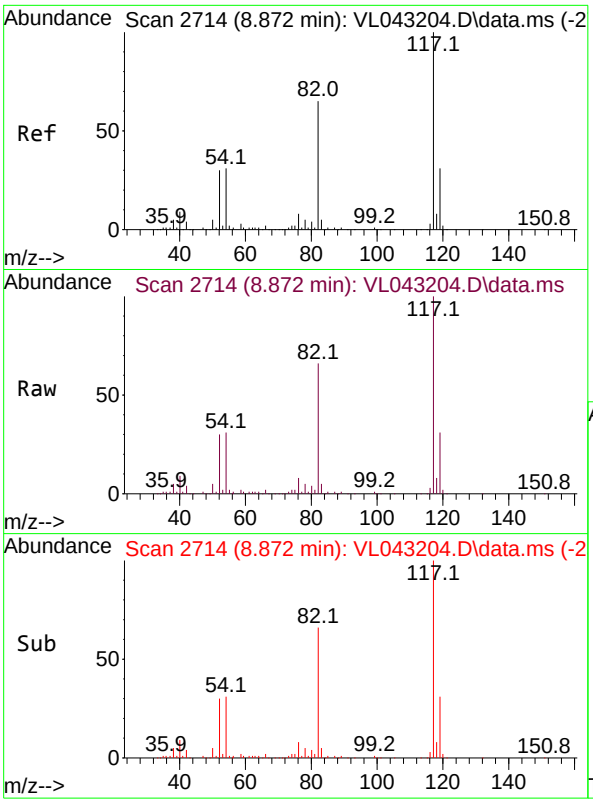


#54
1,2-Dibromoethane
Concen: 9.588 ppbv
RT: 7.639 min Scan# 2333
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:107 Resp: 148973

Ion	Ratio	Lower	Upper
107	100		
109	90.1	72.1	108.1

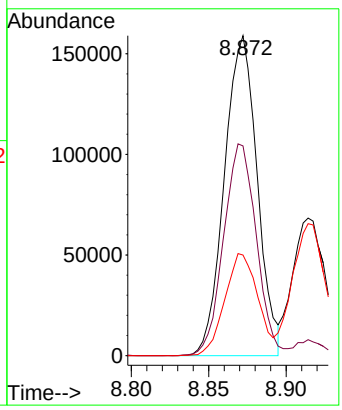




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:117 Resp: 23477

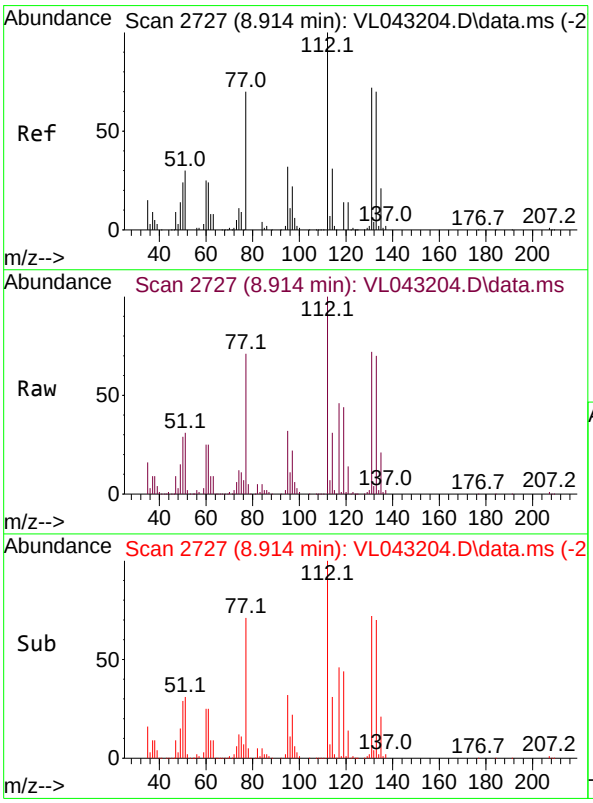
Ion	Ratio	Lower	Upper
117	100		
82	70.1	56.1	84.1
119	31.3	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

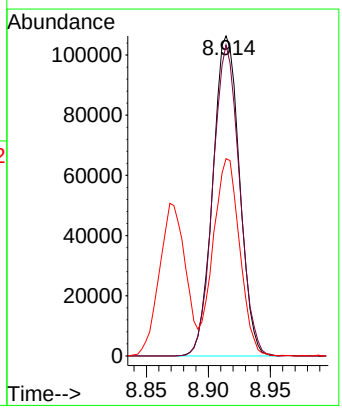
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

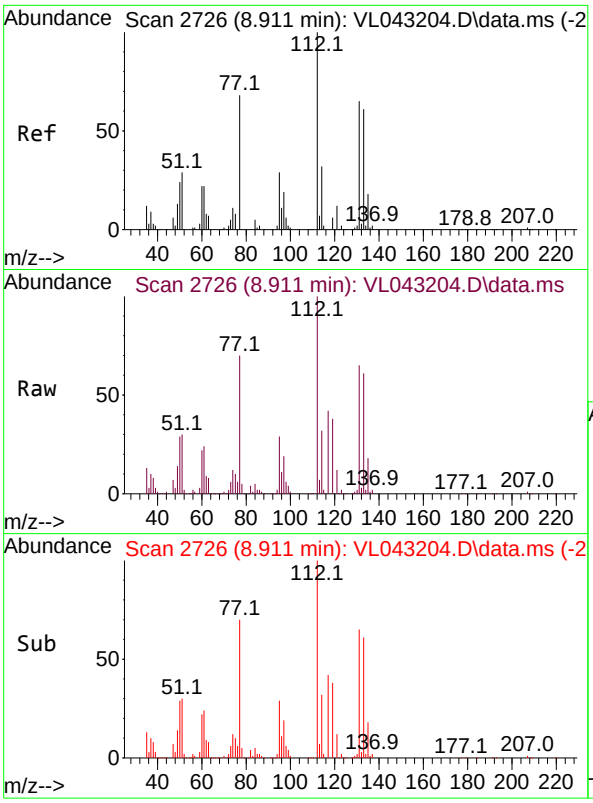


#56
1,1,1,2-Tetrachloroethane
Concen: 9.207 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:131 Resp: 158856

Ion	Ratio	Lower	Upper
131	100		
133	96.8	77.4	116.2
119	61.4	49.1	73.7

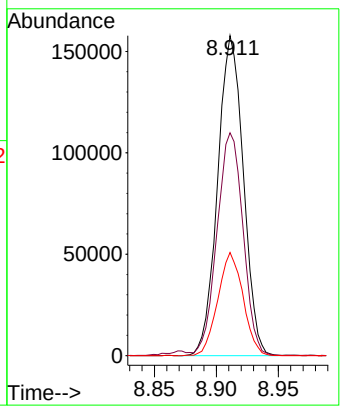




#57
Chlorobenzene
Concen: 9.438 ppbv
RT: 8.911 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:112 Resp: 22749

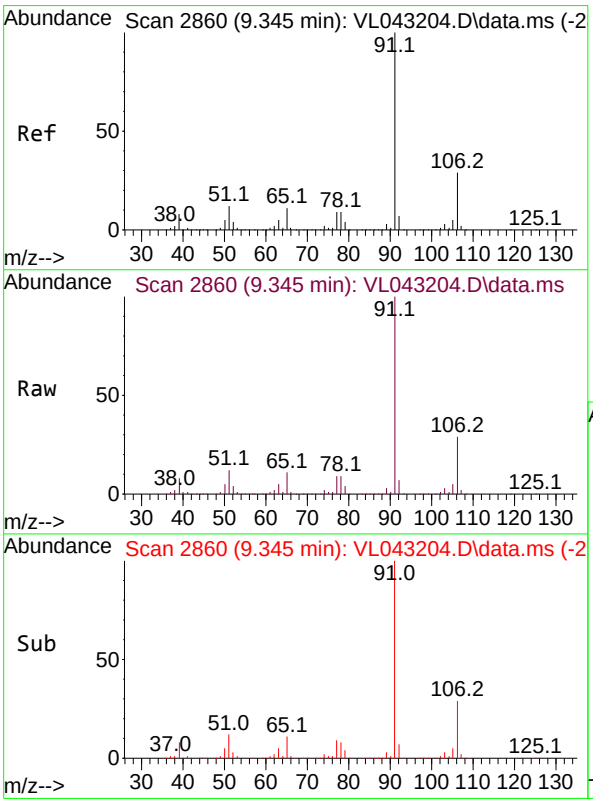
Ion	Ratio	Lower	Upper
112	100		
77	69.4	55.5	83.3
114	32.3	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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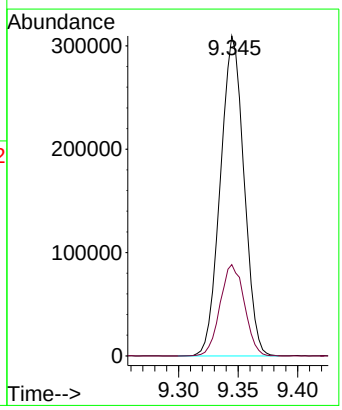
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

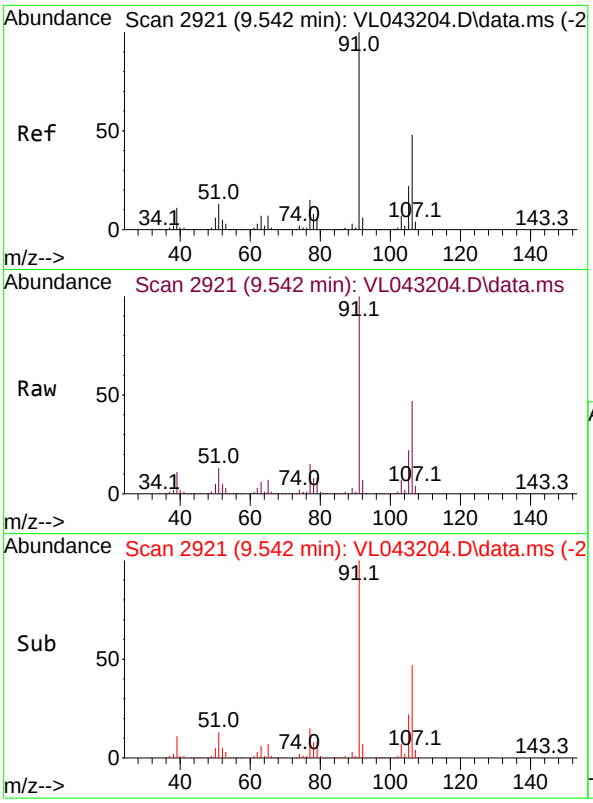


#58
Ethyl Benzene
Concen: 9.461 ppbv
RT: 9.345 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 427530

Ion	Ratio	Lower	Upper
91	100		
106	28.5	22.8	34.2





#59
m/p-Xylene
Concen: 18.519 ppbv m
RT: 9.542 min Scan# 29
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

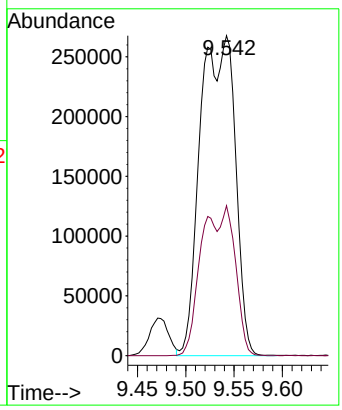
Tgt Ion: 91 Resp: 673371

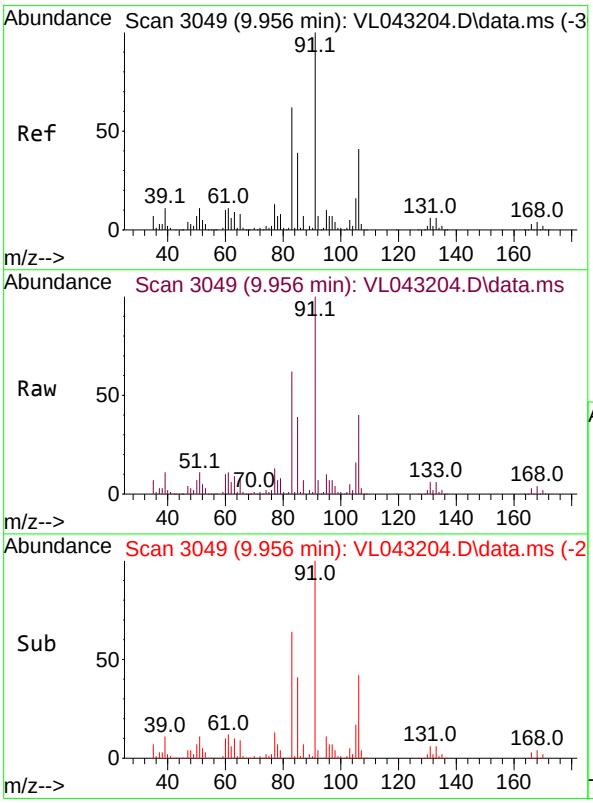
Ion	Ratio	Lower	Upper
91	100		
106	45.1	36.1	54.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

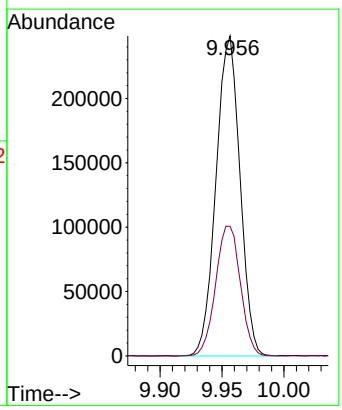


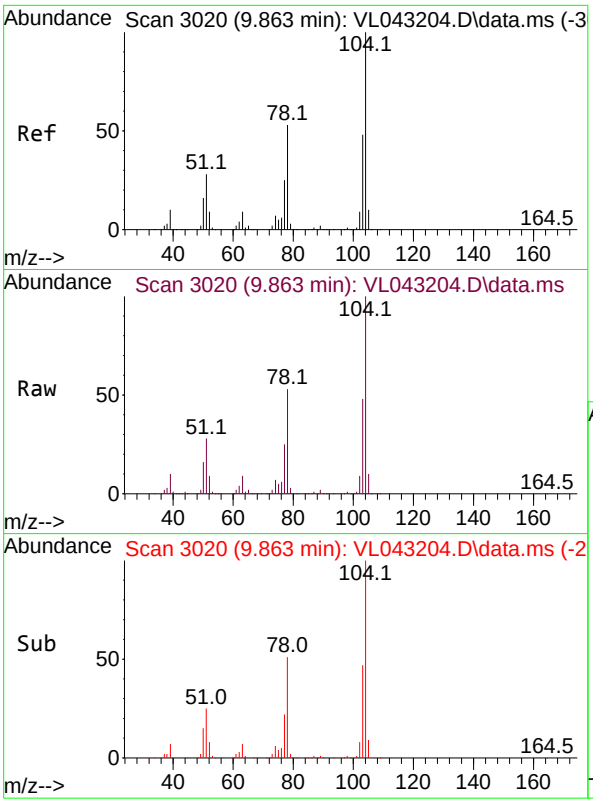


#60
o-Xylene
Concen: 9.202 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 333044

Ion	Ratio	Lower	Upper
91	100		
106	41.9	20.9	62.8

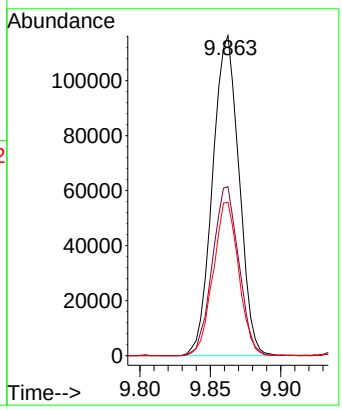




#61
Styrene
Concen: 9.607 ppbv
RT: 9.863 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:104 Resp: 15217

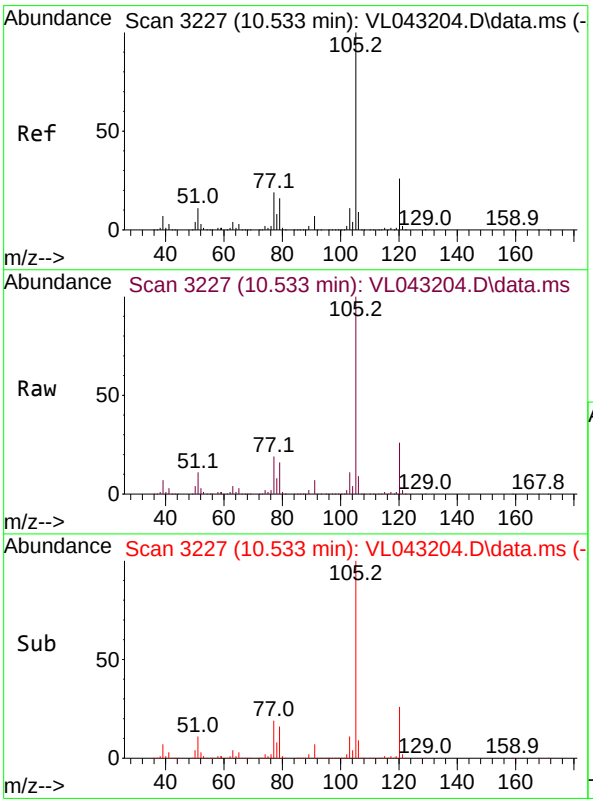
Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.1	63.1
103	46.5	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

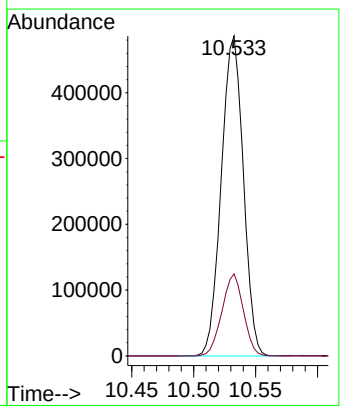
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

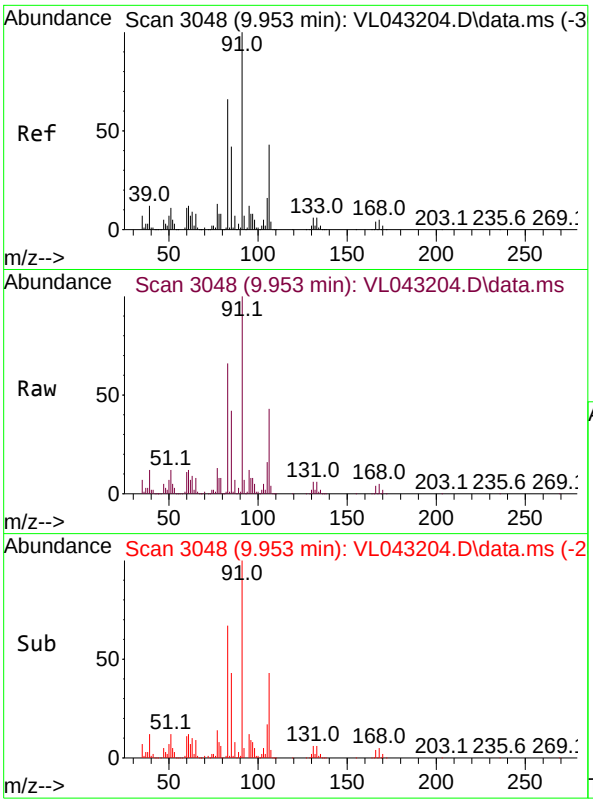


#62
Isopropylbenzene
Concen: 9.269 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 600155

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8

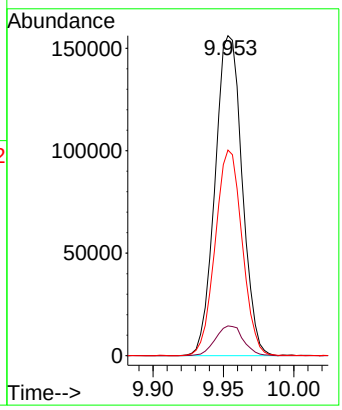




#63
1,1,2,2-Tetrachloroethane
Concen: 9.109 ppbv
RT: 9.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 83 Resp: 20927

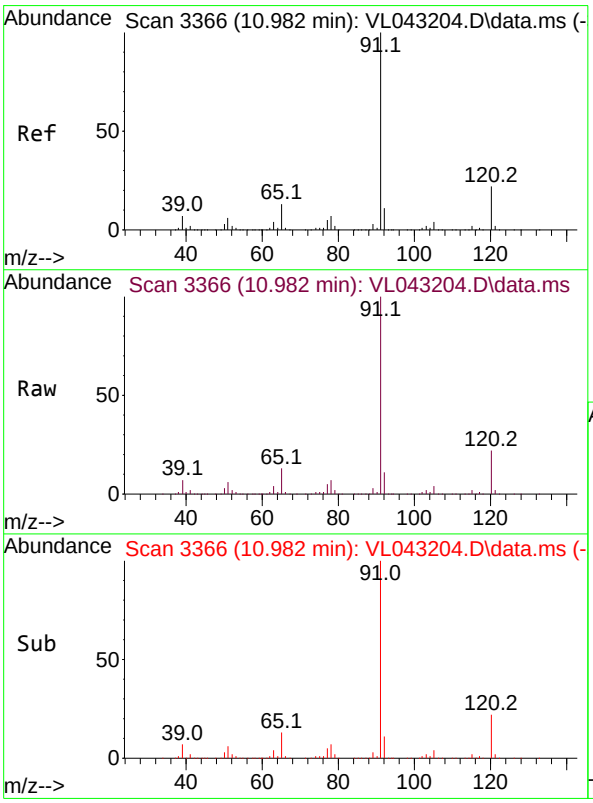
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	63.9	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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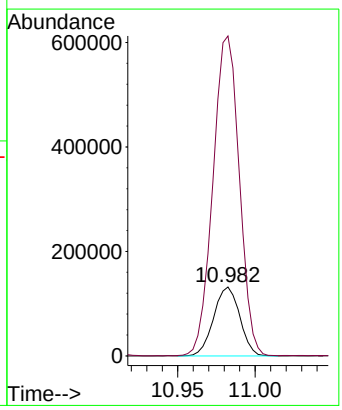
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

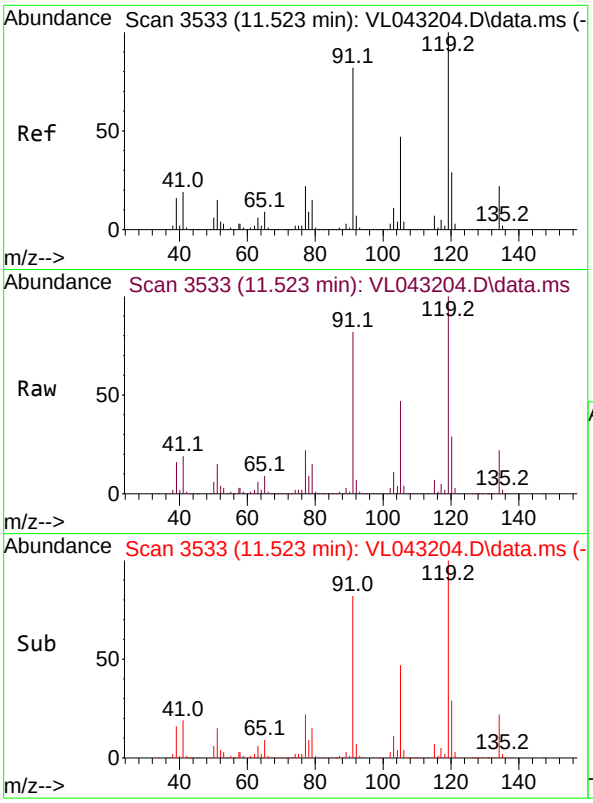


#64
n-propylbenzene
Concen: 9.271 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:120 Resp: 154239

Ion	Ratio	Lower	Upper
120	100		
91	471.4	377.1	565.7

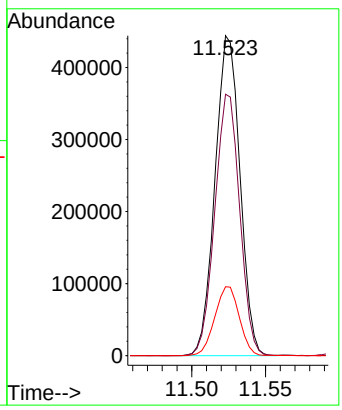




#65
tert-Butylbenzene
Concen: 9.029 ppbv
RT: 11.523 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:119 Resp: 52210

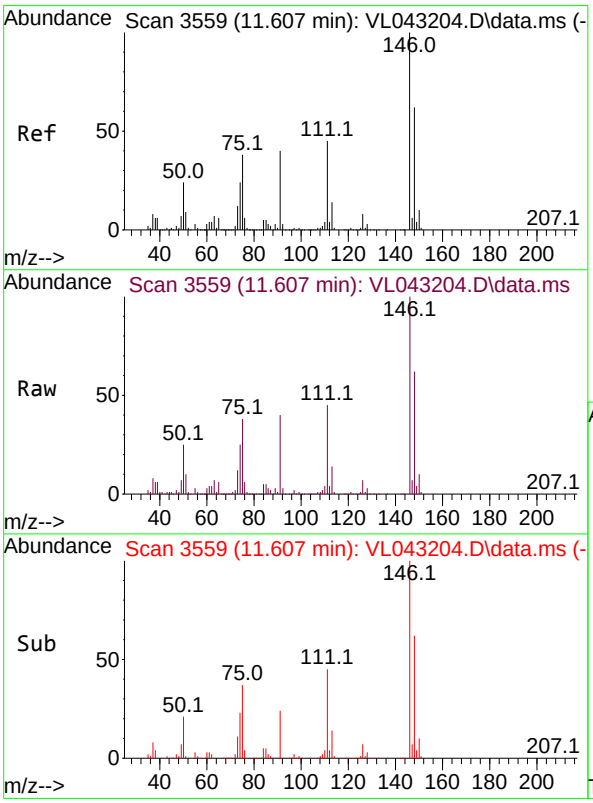
Ion	Ratio	Lower	Upper
119	100		
91	81.6	65.3	97.9
134	21.2	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

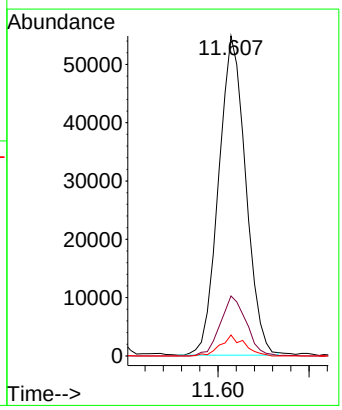
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

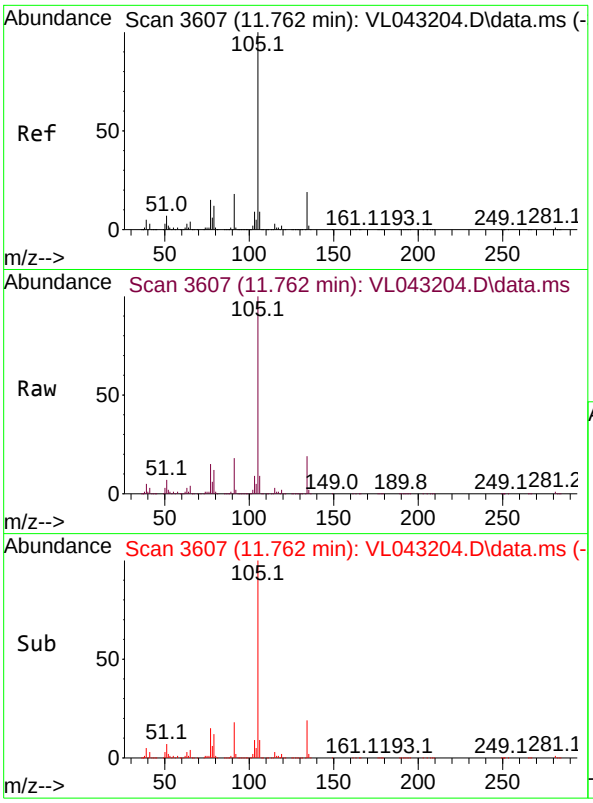


#66
Benzyl Chloride
Concen: 9.649 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 56620

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	5.7	4.6	6.8

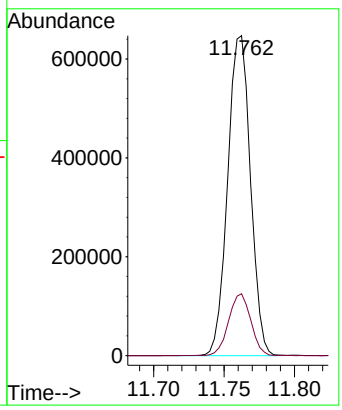




#67
sec-Butylbenzene
Concen: 9.039 ppbv
RT: 11.762 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 72957

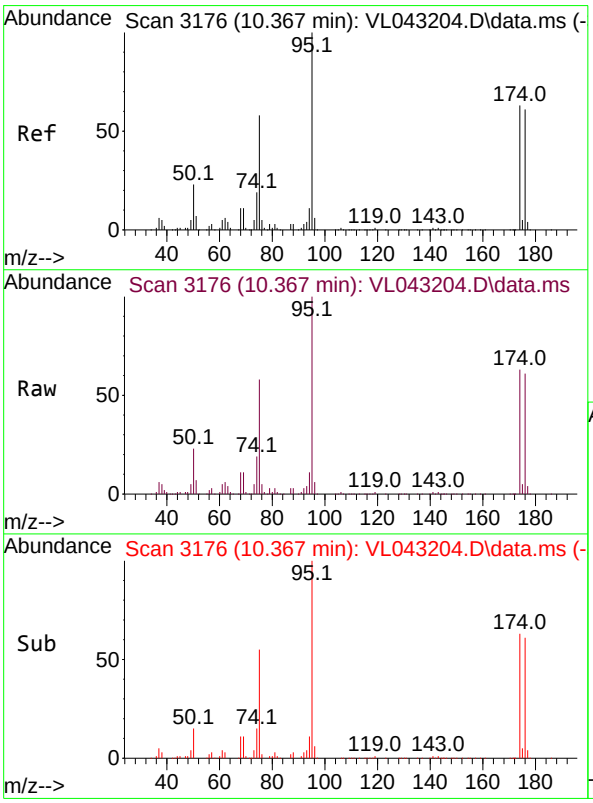
Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

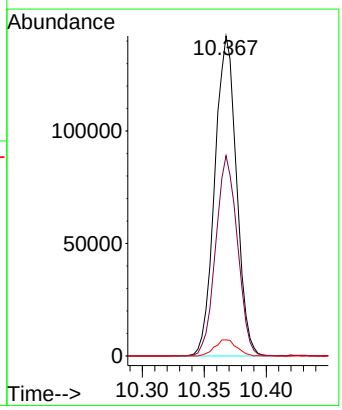
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

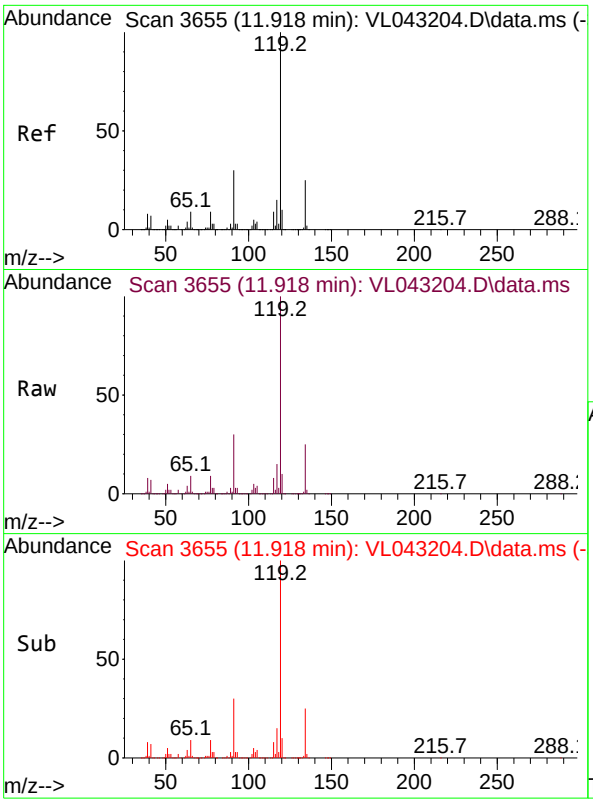


#68
1-Bromo-4-Fluorobenzene
Concen: 10.025 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 95 Resp: 172524

Ion	Ratio	Lower	Upper
95	100		
174	62.7	50.2	75.2
175	5.1	4.1	6.1

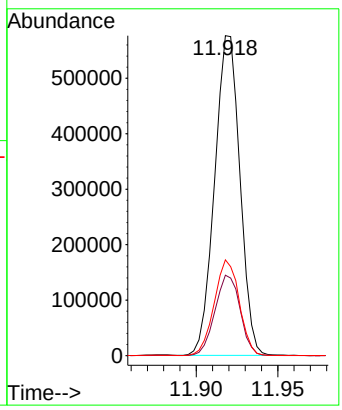




#69
p-Isopropyltoluene
Concen: 9.135 ppbv
RT: 11.918 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:119 Resp: 62458

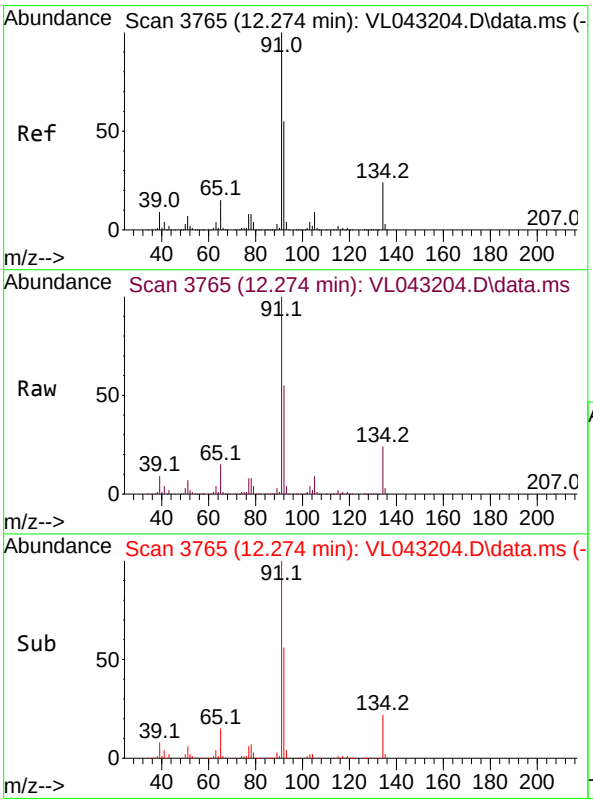
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	29.8	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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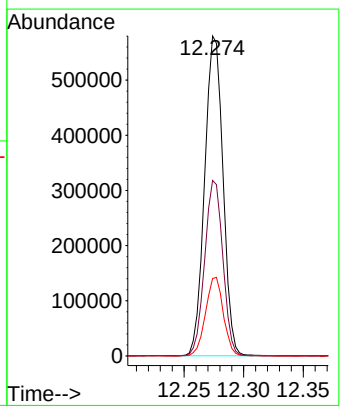
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

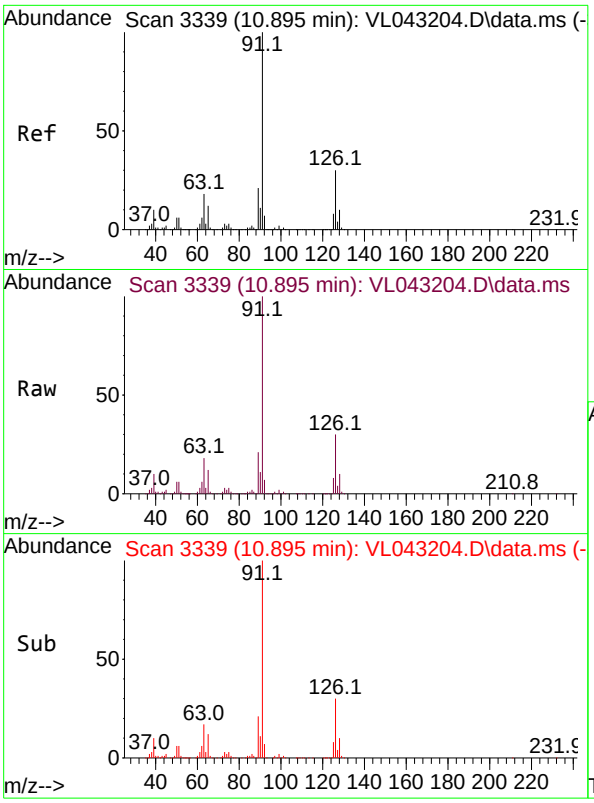


#70
n-Butylbenzene
Concen: 9.341 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 619610

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.5	65.3
134	23.8	19.0	28.6

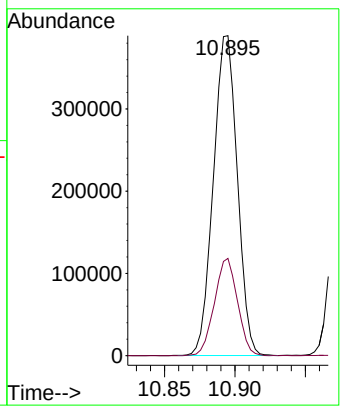




#71
2-Chlorotoluene
Concen: 9.245 ppbv
RT: 10.895 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 46011

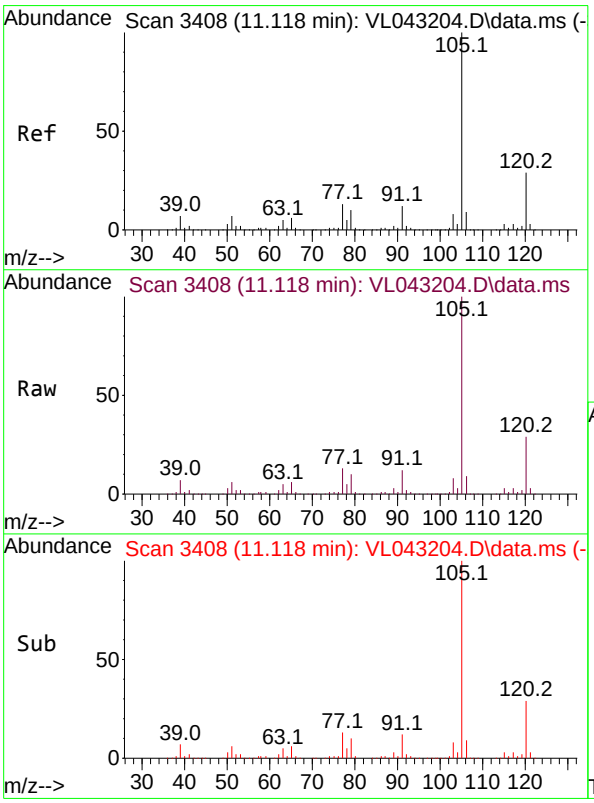
Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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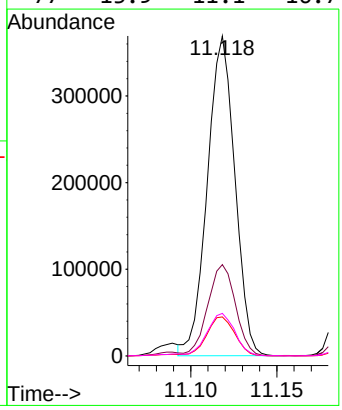
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

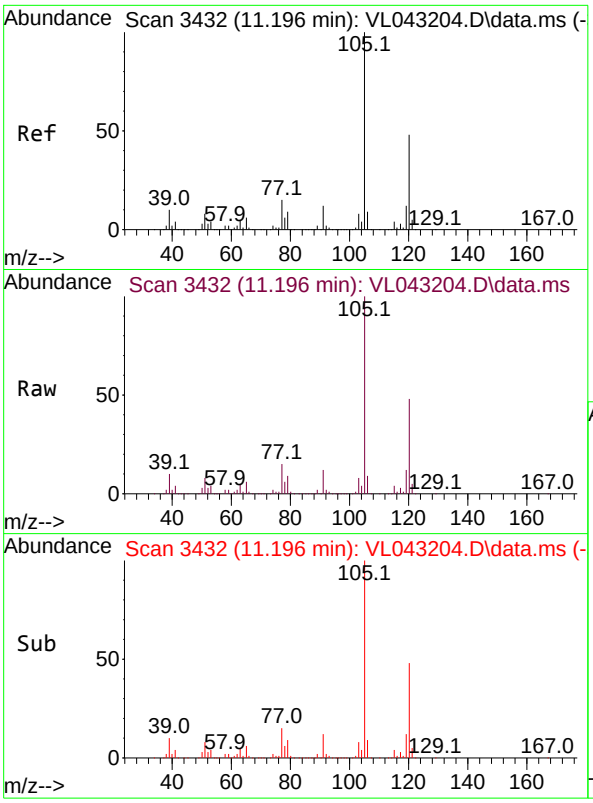


#72
4-Ethyltoluene
Concen: 9.316 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 410587

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.8	35.8
91	12.9	10.3	15.5
77	13.9	11.1	16.7

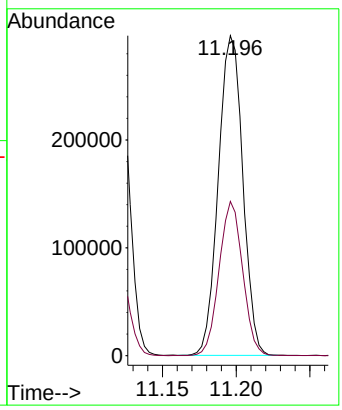




#73
1,3,5-Trimethylbenzene
Concen: 9.244 ppbv
RT: 11.196 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 34190

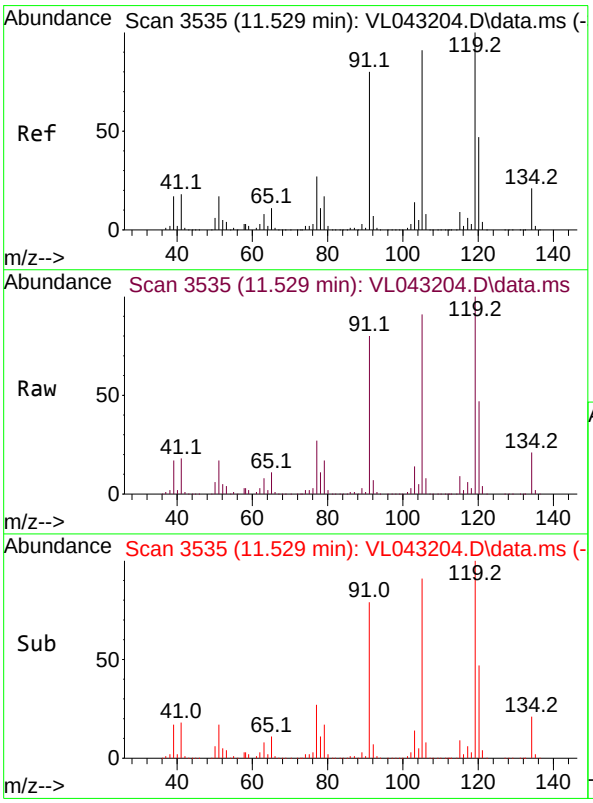
Ion	Ratio	Lower	Upper
105	100		
120	48.2	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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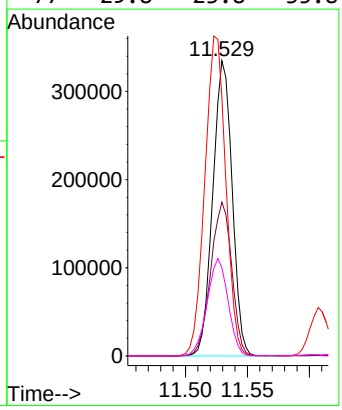
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

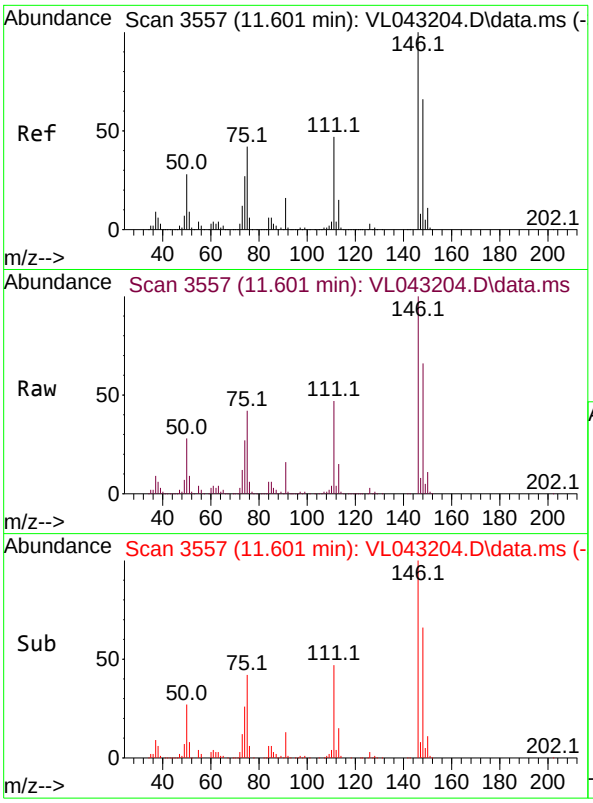


#74
1,2,4-Trimethylbenzene
Concen: 9.005 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 363476

Ion	Ratio	Lower	Upper
105	100		
120	52.1	41.7	62.5
91	87.5	70.0	105.0
77	29.8	23.8	35.8

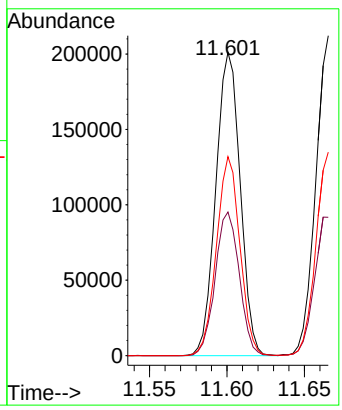




#75
1,3-Dichlorobenzene
Concen: 9.335 ppbv
RT: 11.601 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:146 Resp: 21989

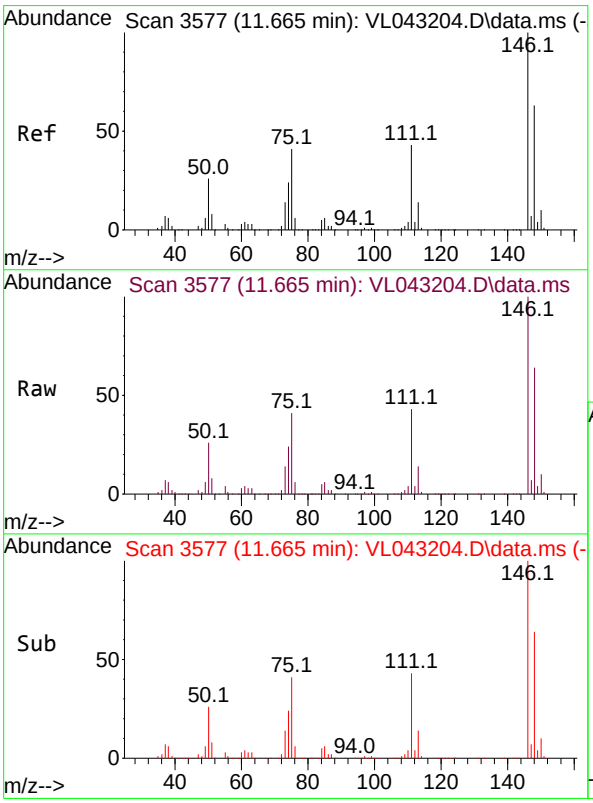
Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.3
148	63.3	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

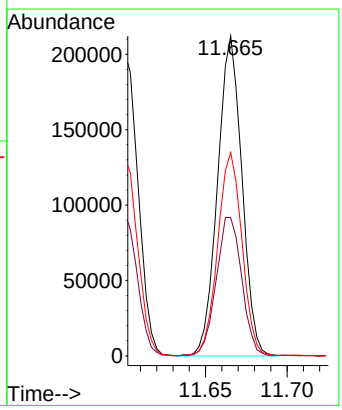
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

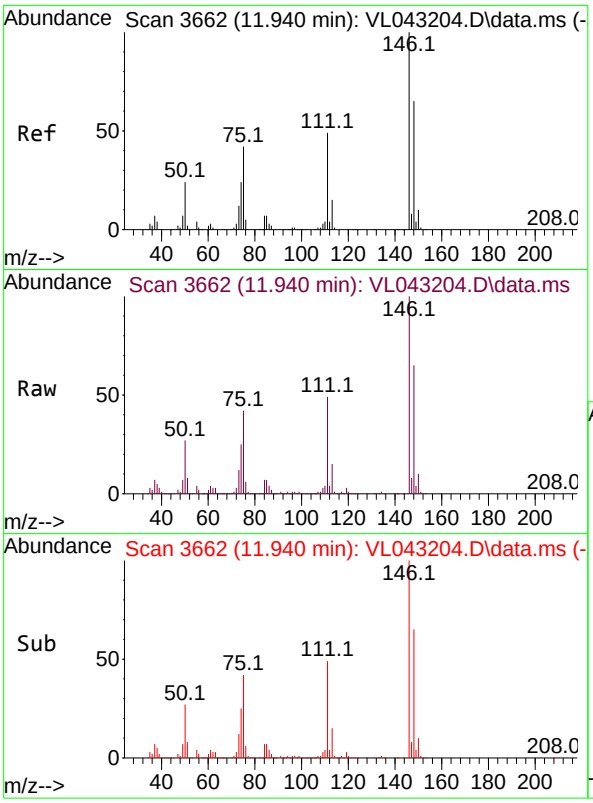


#76
1,4-Dichlorobenzene
Concen: 9.363 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:146 Resp: 220576

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.8	68.3
148	63.6	31.8	95.4

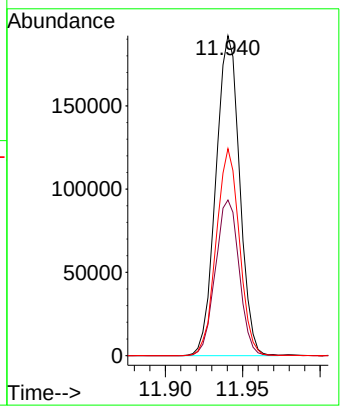




#77
1,2-Dichlorobenzene
Concen: 9.044 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:146 Resp: 20482

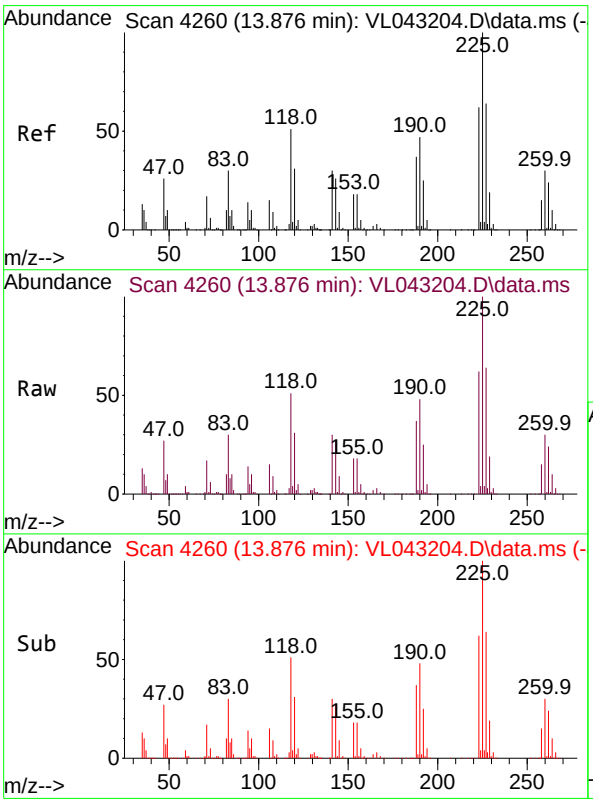
Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.3	73.0
148	63.1	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

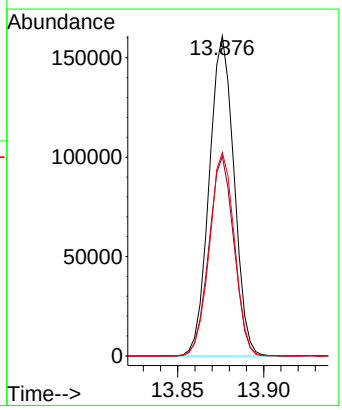
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

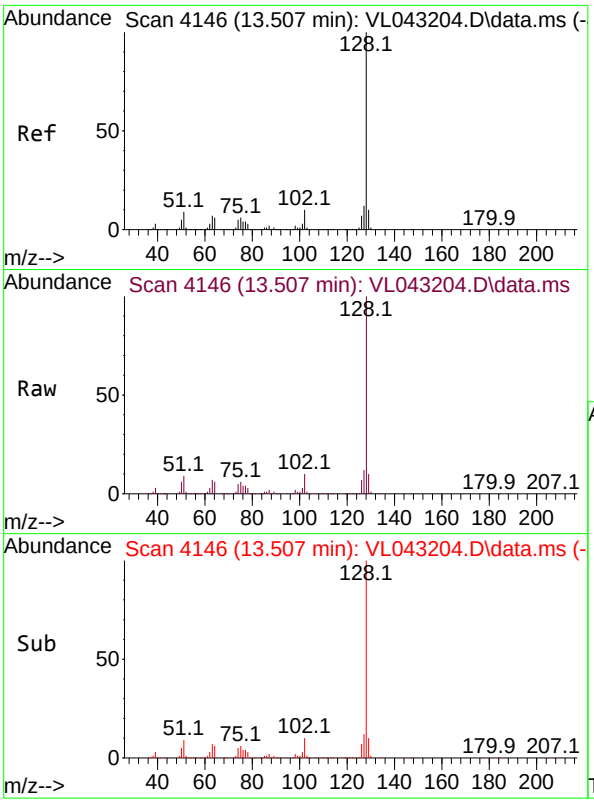


#78
Hexachloro-1,3-Butadiene
Concen: 8.520 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:225 Resp: 161034

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

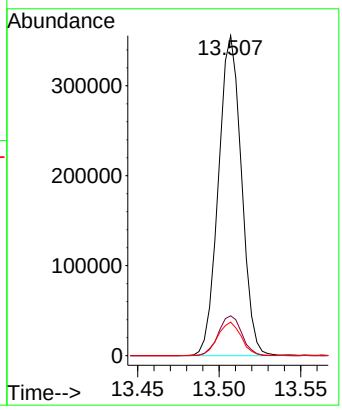




#79
Naphthalene
Concen: 9.795 ppbv
RT: 13.507 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:128 Resp: 351148

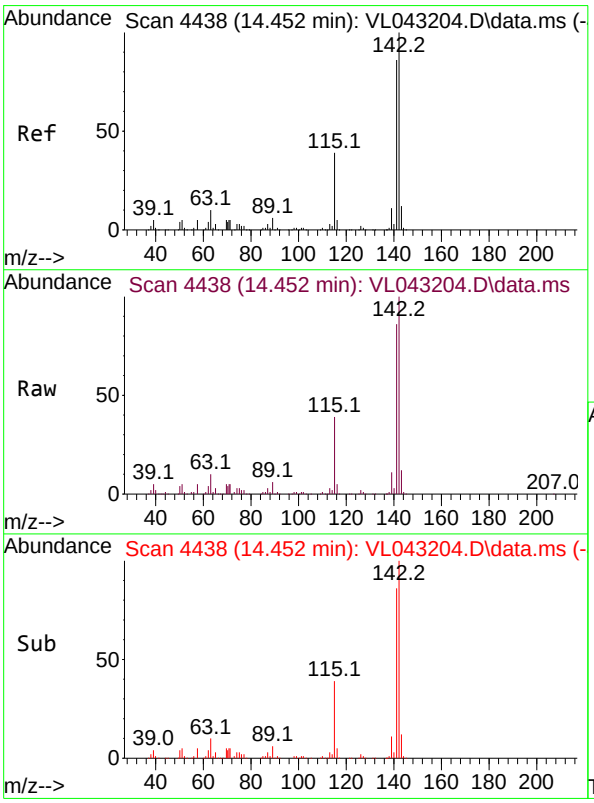
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.5	8.4	12.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

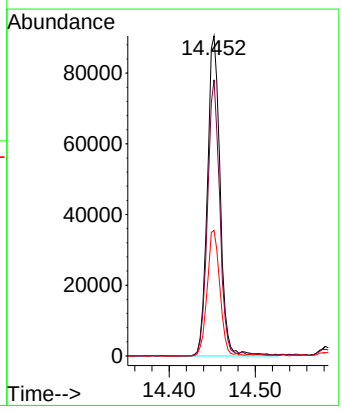
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

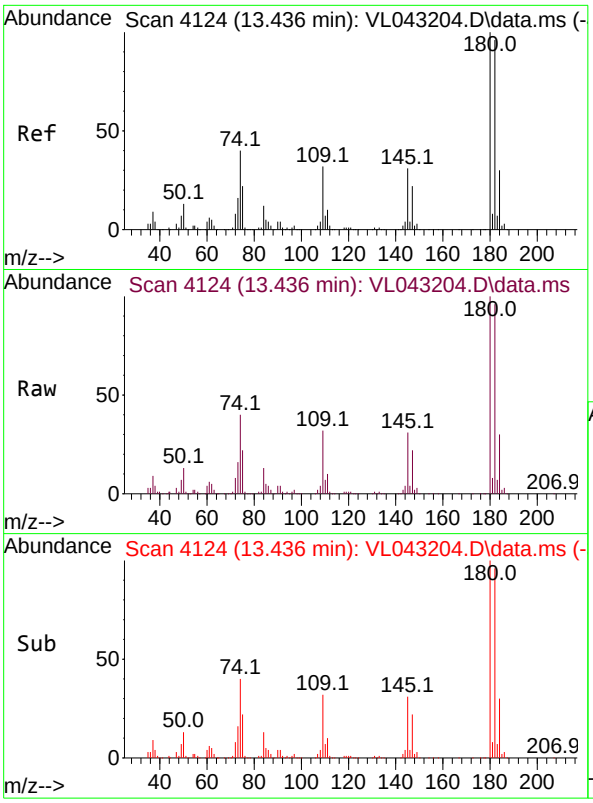


#80
Naphthalene,2-methyl-
Concen: 9.895 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:142 Resp: 93113

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.1	100.7
115	39.9	31.9	47.9

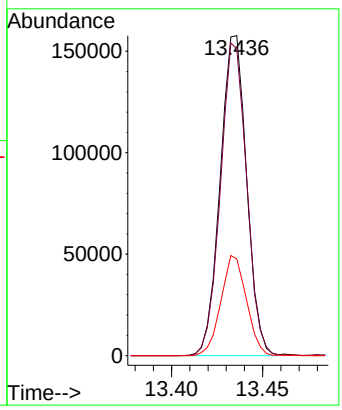




#81
1,2,4-Trichlorobenzene
Concen: 9.923 ppbv
RT: 13.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:180 Resp: 159091

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
184	30.3	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043205.D
Acq On : 18 Nov 2025 10:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:50:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	104644	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	284629	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.878	117	230646	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	171009	10.115	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	30881	2.092	ppbv		98
3) Chlorodifluoromethane	1.476	51	30069	2.072	ppbv		98
4) Chloromethane	1.534	50	11890	2.155	ppbv		96
5) Vinyl Chloride	1.580	62	12040	1.995	ppbv		96
6) Bromomethane	1.670	94	5981	2.044	ppbv		99
7) Chloroethane	1.706	64	4943	2.103	ppbv		95
8) Dichlorotetrafluoroethane	1.554	85	26409	2.151	ppbv		98
9) Propene	1.486	41	12993	1.930	ppbv	#	1
10) Heptane	4.972	43	36171m	1.958	ppbv		
11) Trichlorofluoromethane	1.878	101	31124	2.177	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.140	101	23336	2.090	ppbv		100
13) Ethanol	1.722	45	5266	2.430	ppbv		86
14) Bromoethene	1.784	108	9129	2.133	ppbv		95
15) Acetone	1.835	43	31785	2.186	ppbv		91
16) 1,3-Butadiene	1.609	39	13101	2.021	ppbv		89
17) tert-Butyl alcohol	2.039	59	39348	2.062	ppbv		95
18) 1,1-Dichloroethene	2.036	96	10780	2.074	ppbv		94
19) Isopropyl Alcohol	1.887	45	17229	2.097	ppbv	#	71
20) Methylene Chloride	2.062	84	12238	2.248	ppbv		96
21) Allyl Chloride	2.098	41	19580	2.002	ppbv		95
22) trans-1,2-Dichloroethene	2.340	96	12537	2.110	ppbv		94
23) Vinyl Acetate	2.460	43	35205	2.006	ppbv	#	97
24) 1,1-Dichloroethane	2.408	63	24987	2.179	ppbv		99
25) Ethyl Acetate	2.832	43	64343	2.048	ppbv		99
26) Hexane	2.826	57	28776	2.093	ppbv		97
27) Carbon Disulfide	2.149	76	29964	2.135	ppbv	#	91
28) Methyl tert-Butyl Ether	2.438	73	14101	2.090	ppbv	#	85
29) Chloroform	2.849	83	40355	2.065	ppbv		98
30) Cyclohexane	3.855	84	23659	2.053	ppbv		98
31) cis-1,2-Dichloroethene	2.722	61	27663	2.024	ppbv		98
32) 1,1,1-Trichloroethane	3.366	97	42547	2.024	ppbv		99
34) 2-Butanone	2.557	43	41884	2.085	ppbv		99
35) Carbon Tetrachloride	3.765	117	41949	1.942	ppbv		96
36) Benzene	3.654	78	56141m	2.060	ppbv		
37) 1,2-Dichloroethane	3.218	62	32188	2.019	ppbv		100
38) Trichloroethene	4.548	130	21105m	1.975	ppbv		
39) 1,2-Dichloropropane	4.312	63	19913	1.996	ppbv		93
40) 1,4-Dioxane	4.580	88	8829m	1.969	ppbv		
41) Tetrahydrofuran	3.056	42	22912	2.065	ppbv		99
42) Bromodichloromethane	4.490	83	44584	2.027	ppbv		98
43) Methyl Methacrylate	4.875	69	29071	2.009	ppbv		99
44) 2,2,4-Trimethylpentane	4.635	57	92261	1.971	ppbv		96
45) t-1,3-Dichloropropene	6.406	75	27833m	2.064	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043205.D
Acq On : 18 Nov 2025 10:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:50:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	31986	2.020	ppbv		91
47) 1,1,2-Trichloroethane	6.577	97	21542m	2.025	ppbv		
48) Dibromochloromethane	7.386	129	37758m	2.074	ppbv		
49) Bromoform	9.480	173	33057	2.050	ppbv		98
50) 4-Methyl-2-Pentanone	5.745	43	58461	2.066	ppbv		98
51) 2-Hexanone	7.432	43	46444	2.113	ppbv	#	99
52) Tetrachloroethene	8.218	164	19856	1.958	ppbv		96
53) Toluene	6.927	91	65238	2.008	ppbv		97
54) 1,2-Dibromoethane	7.648	107	31266	2.007	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.920	131	35099	2.071	ppbv		99
57) Chlorobenzene	8.917	112	50228	2.121	ppbv		97
58) Ethyl Benzene	9.351	91	92649	2.087	ppbv		98
59) m/p-Xylene	9.529	91	148300m	4.151	ppbv		
60) o-Xylene	9.959	91	76540	2.153	ppbv		100
61) Styrene	9.866	104	33188	2.133	ppbv		98
62) Isopropylbenzene	10.536	105	135853	2.136	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.963	83	47439	2.102	ppbv		99
64) n-propylbenzene	10.985	120	34915	2.136	ppbv		99
65) tert-Butylbenzene	11.529	119	122064	2.149	ppbv		99
66) Benzyl Chloride	11.610	91	11870	2.059	ppbv		99
67) sec-Butylbenzene	11.765	105	170529	2.151	ppbv		100
69) p-Isopropyltoluene	11.921	119	147482	2.195	ppbv		98
70) n-Butylbenzene	12.280	91	144148	2.212	ppbv		99
71) 2-Chlorotoluene	10.898	91	101951	2.085	ppbv		100
72) 4-Ethyltoluene	11.121	105	92654	2.140	ppbv		99
73) 1,3,5-Trimethylbenzene	11.202	105	76655	2.110	ppbv		96
74) 1,2,4-Trimethylbenzene	11.532	105	86286	2.176	ppbv		98
75) 1,3-Dichlorobenzene	11.604	146	48961	2.116	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	48881	2.112	ppbv		98
77) 1,2-Dichlorobenzene	11.944	146	48431	2.177	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	42456	2.287	ppbv		99
79) Naphthalene	13.510	128	85788	2.436	ppbv		97
80) Naphthalene,2-methyl-	14.458	142	20685	2.237	ppbv		98
81) 1,2,4-Trichlorobenzene	13.439	180	37521	2.382	ppbv		99

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

Quantitation Report (QT Reviewed)

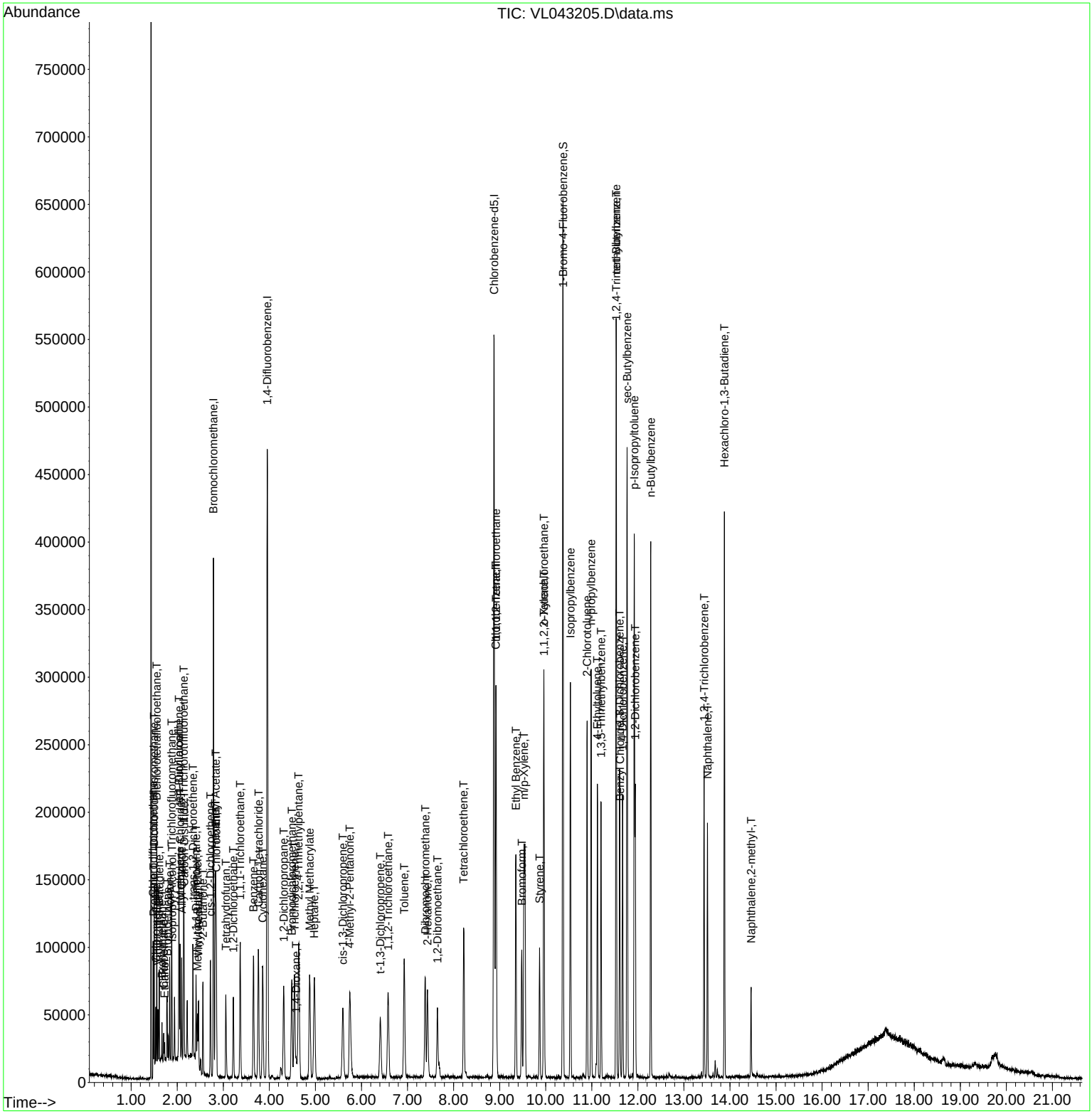
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Data File : VL043205.D
Acq On : 18 Nov 2025 10:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

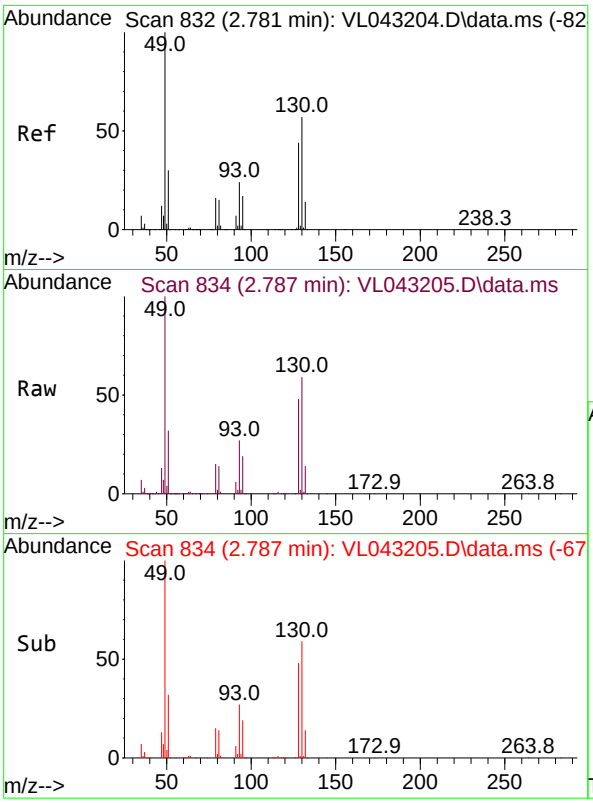
Quant Time: Nov 19 00:50:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

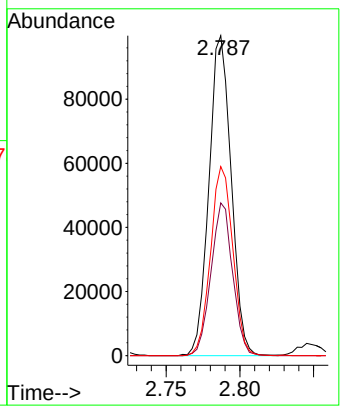




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 49 Resp: 10464

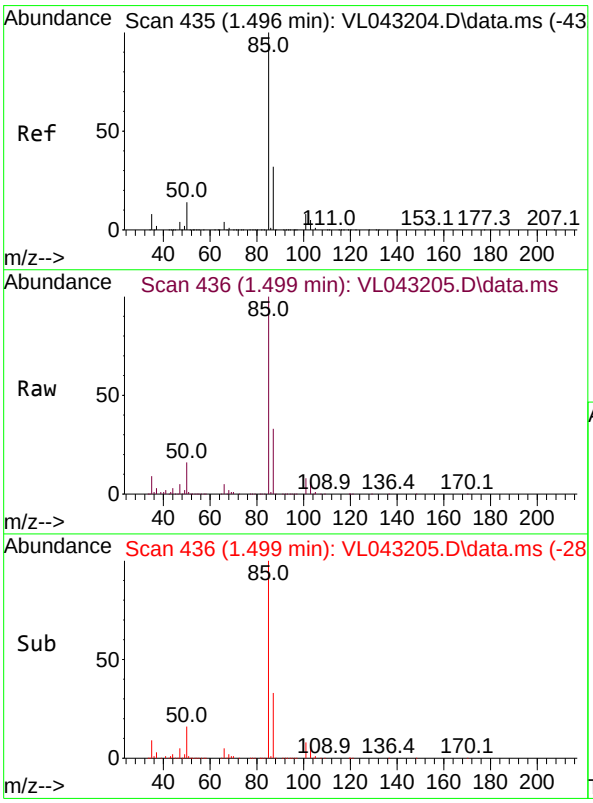
Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.0	69.0
130	59.1	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

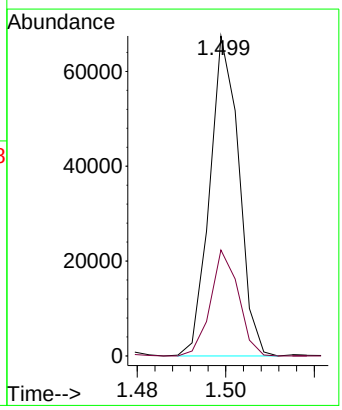
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

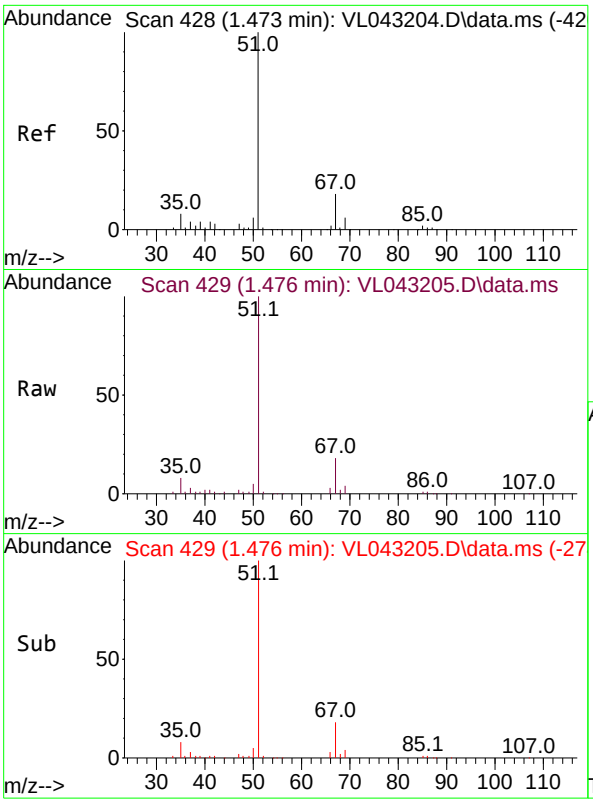


#2
Dichlorodifluoromethane
Concen: 2.092 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 85 Resp: 30881

Ion	Ratio	Lower	Upper
85	100		
87	33.1	25.4	38.2

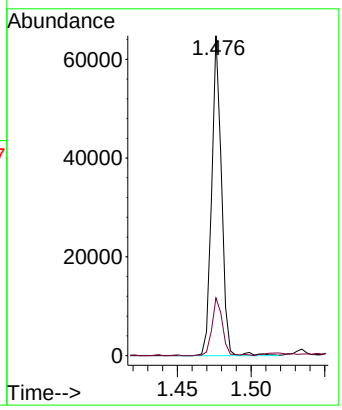




#3
Chlorodifluoromethane
Concen: 2.072 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 51 Resp: 3006

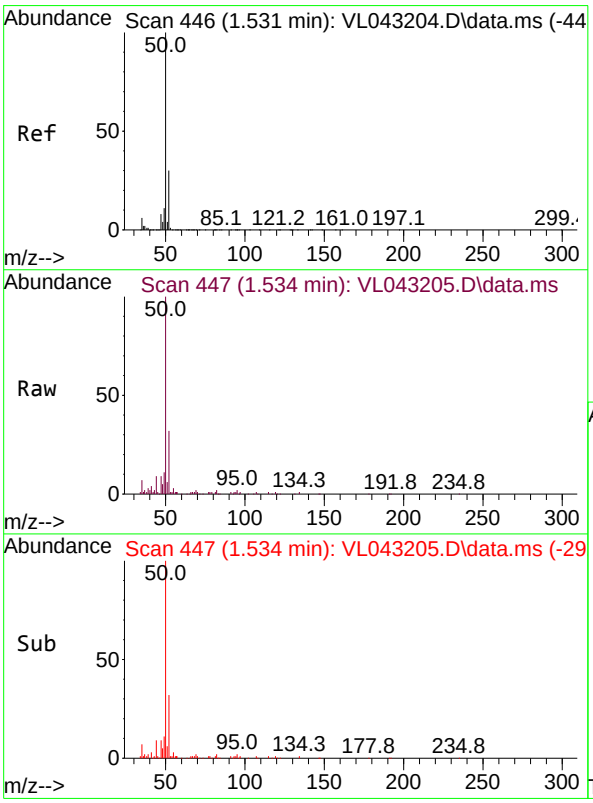
Ion	Ratio	Lower	Upper
51	100		
67	19.4	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

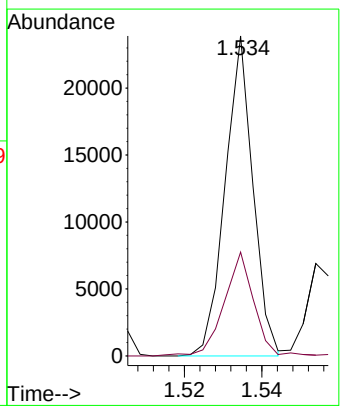
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

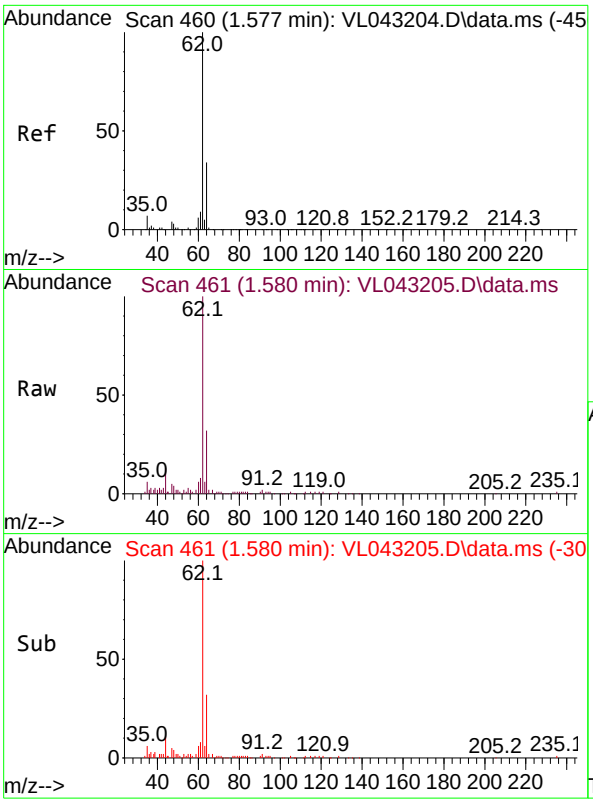


#4
Chloromethane
Concen: 2.155 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 50 Resp: 11890

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.1	36.1

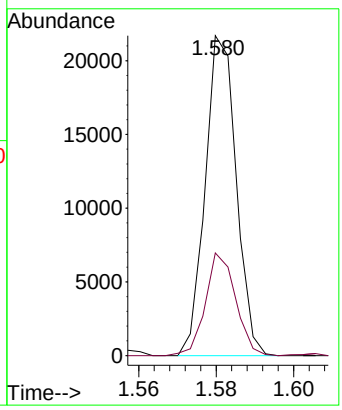




#5
Vinyl Chloride
Concen: 1.995 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 62 Resp: 1204

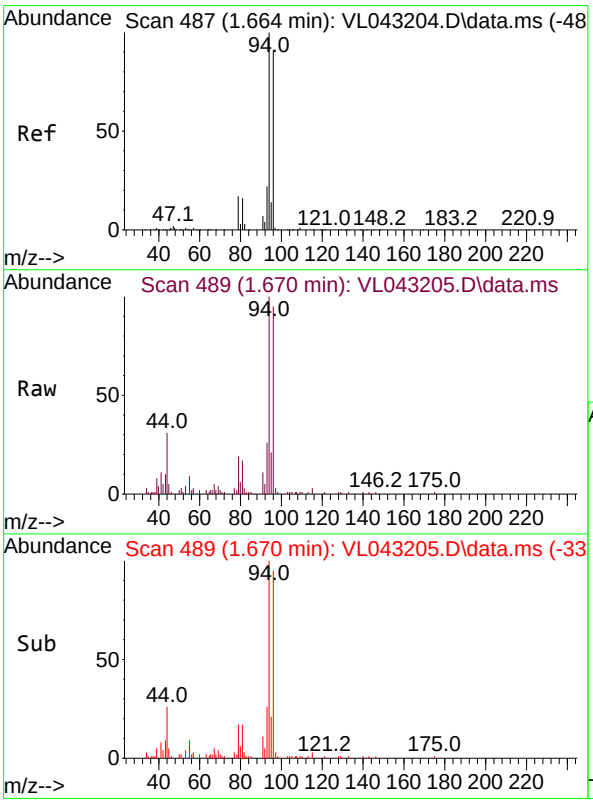
Ion	Ratio	Lower	Upper
62	100		
64	32.1	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

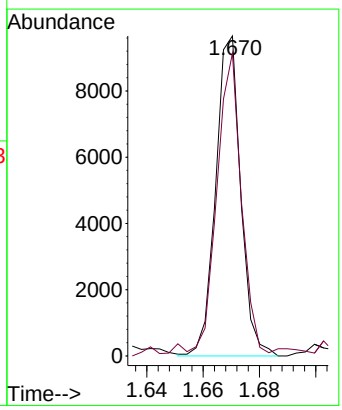
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

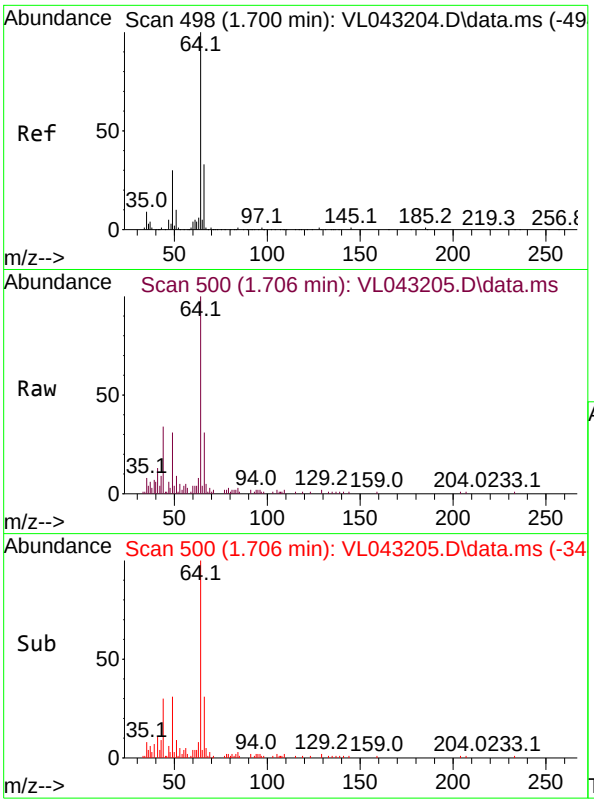


#6
Bromomethane
Concen: 2.044 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 94 Resp: 5981

Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.9	109.3

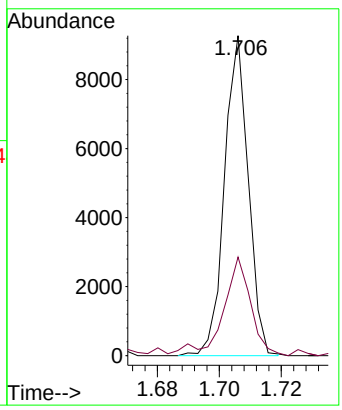




#7
Chloroethane
Concen: 2.103 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 64 Resp: 494

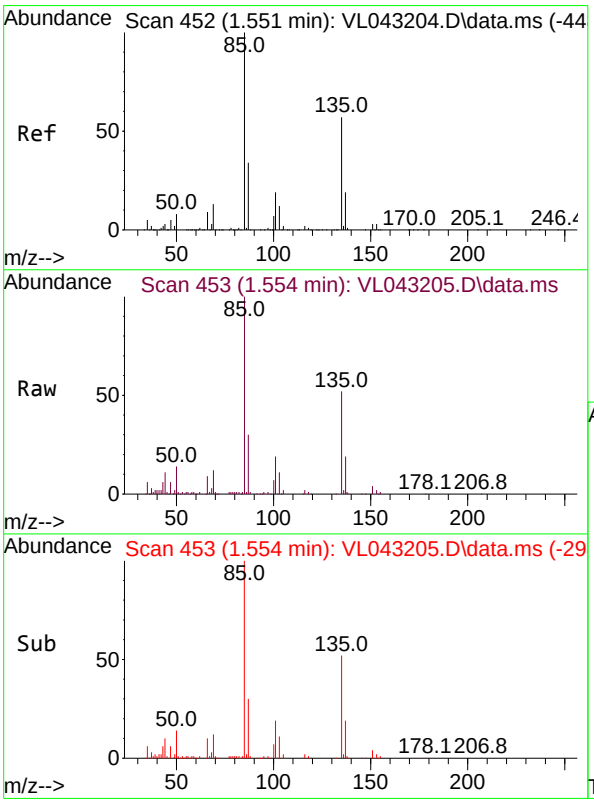
Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

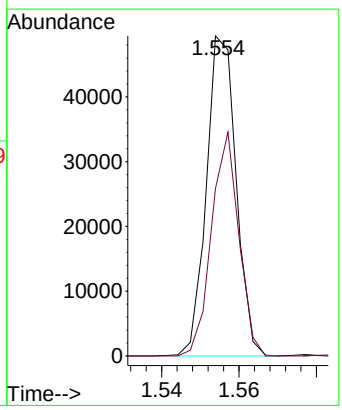
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

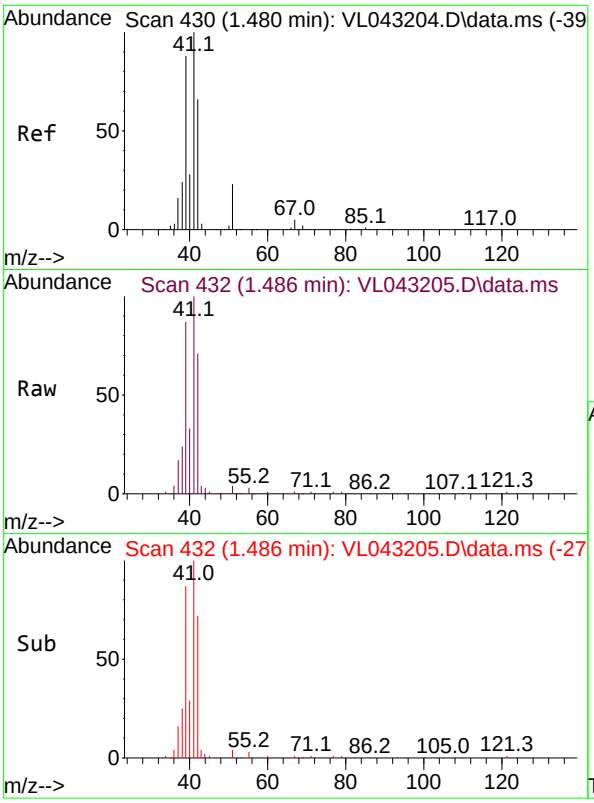


#8
Dichlorotetrafluoroethane
Concen: 2.151 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 85 Resp: 26409

Ion	Ratio	Lower	Upper
85	100		
135	64.3	52.6	79.0

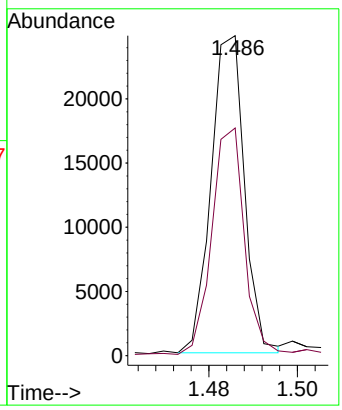




#9
Propene
Concen: 1.930 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 41 Resp: 1299

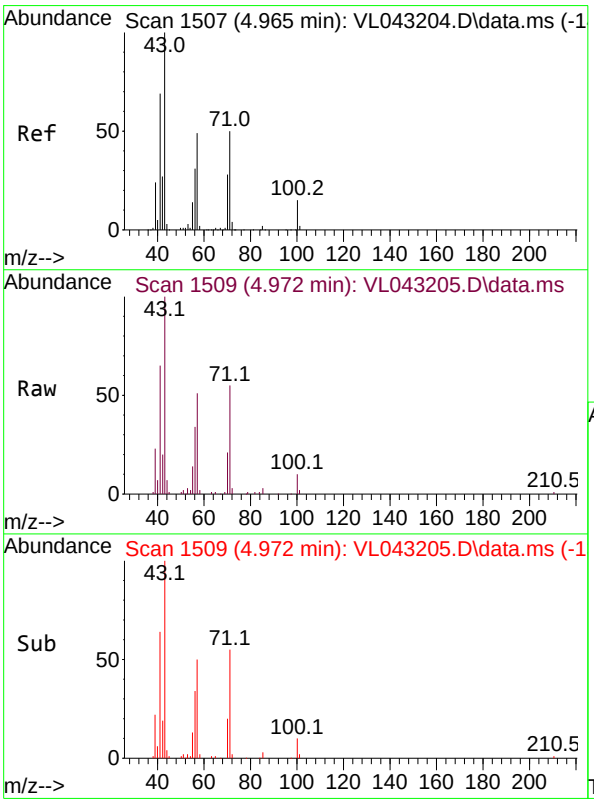
Ion	Ratio	Lower	Upper
41	100		
42	75.1	3.7	5.5#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

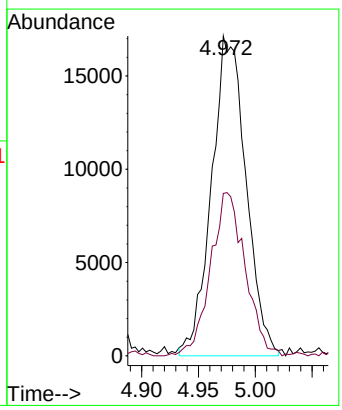
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

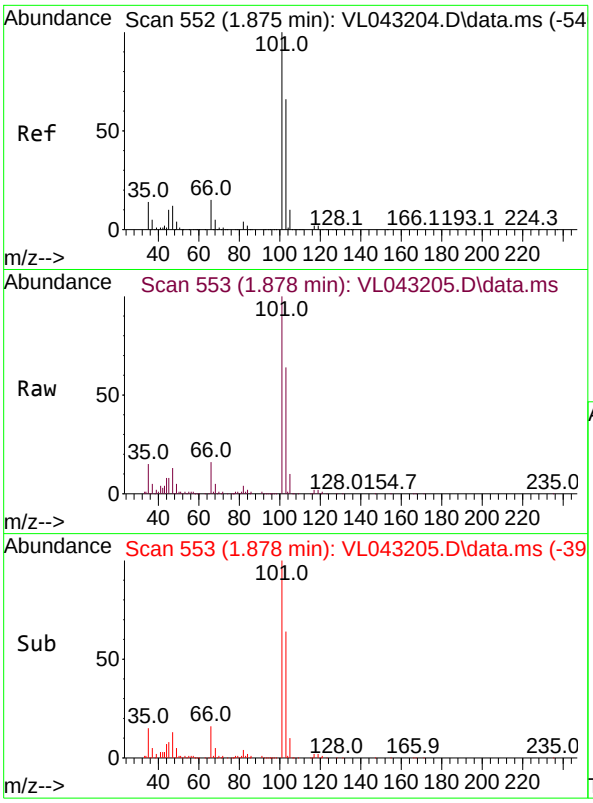


#10
Heptane
Concen: 1.958 ppbv m
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 36171

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#

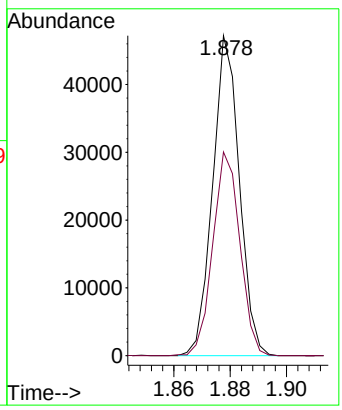




#11
Trichlorofluoromethane
Concen: 2.177 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:101 Resp: 3112

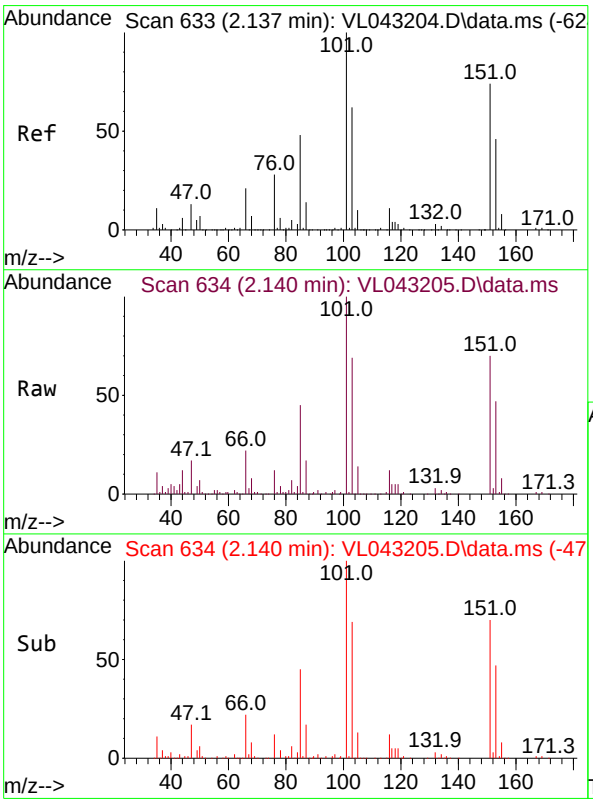
Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

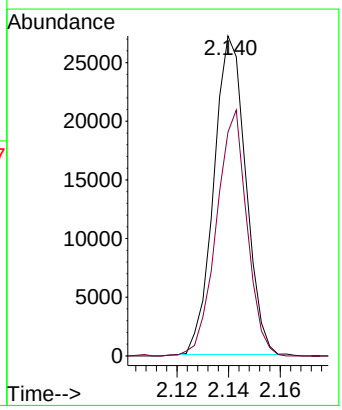
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

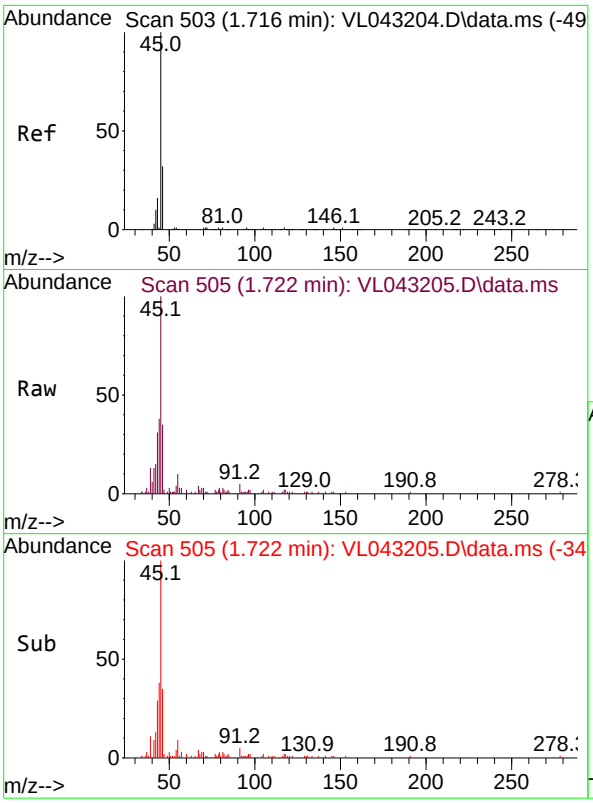


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.090 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:101 Resp: 23336

Ion	Ratio	Lower	Upper
101	100		
151	73.8	59.2	88.8

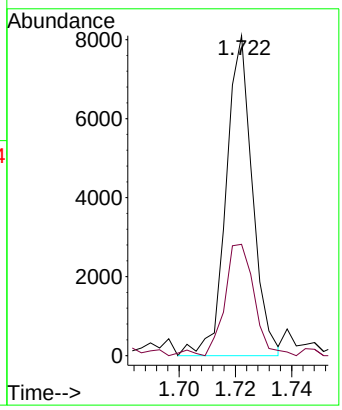




#13
Ethanol
Concen: 2.430 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 45 Resp: 526

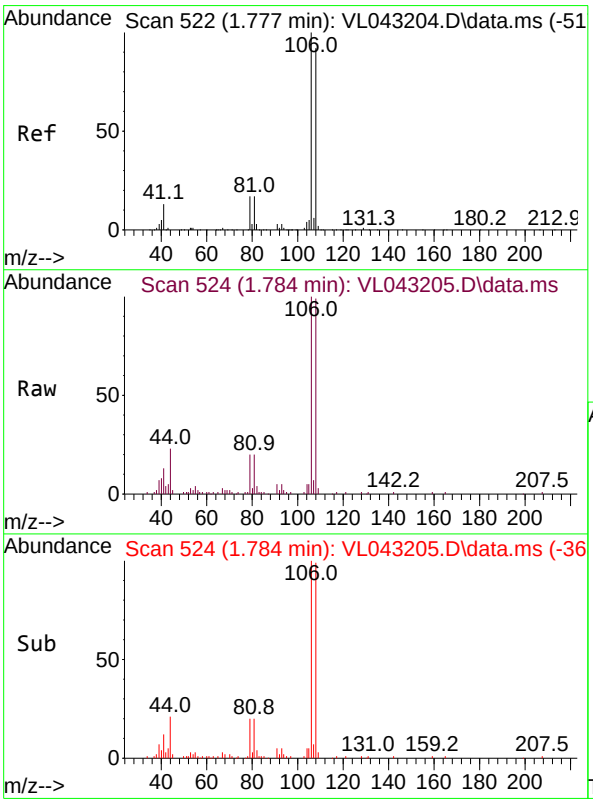
Ion	Ratio	Lower	Upper
45	100		
46	45.7	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

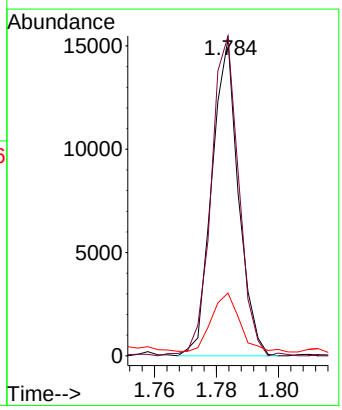
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

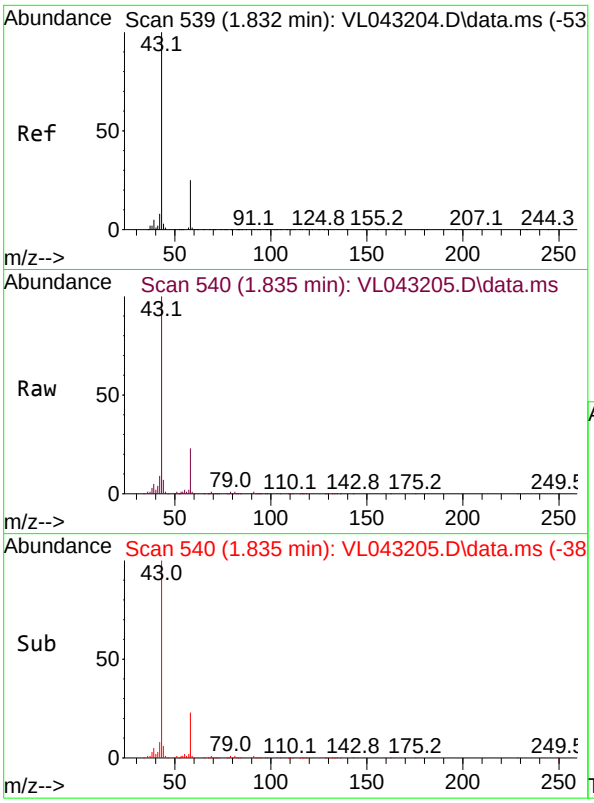


#14
Bromoethene
Concen: 2.133 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:108 Resp: 9129

Ion	Ratio	Lower	Upper
108	100		
106	106.6	88.9	133.3
79	24.3	16.5	24.7

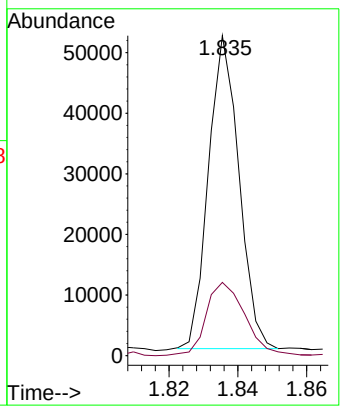




#15
Acetone
Concen: 2.186 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 3178

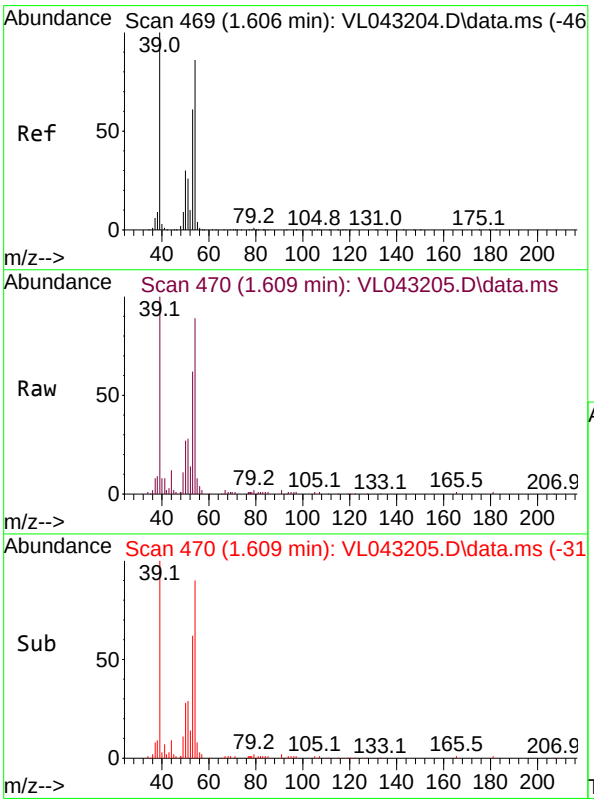
Ion	Ratio	Lower	Upper
43	100		
58	30.6	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

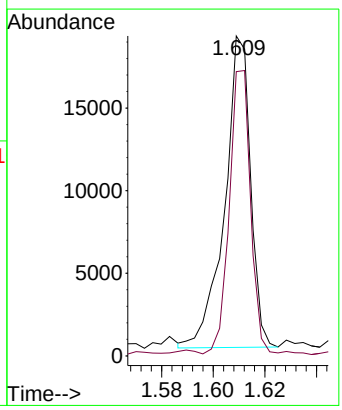
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

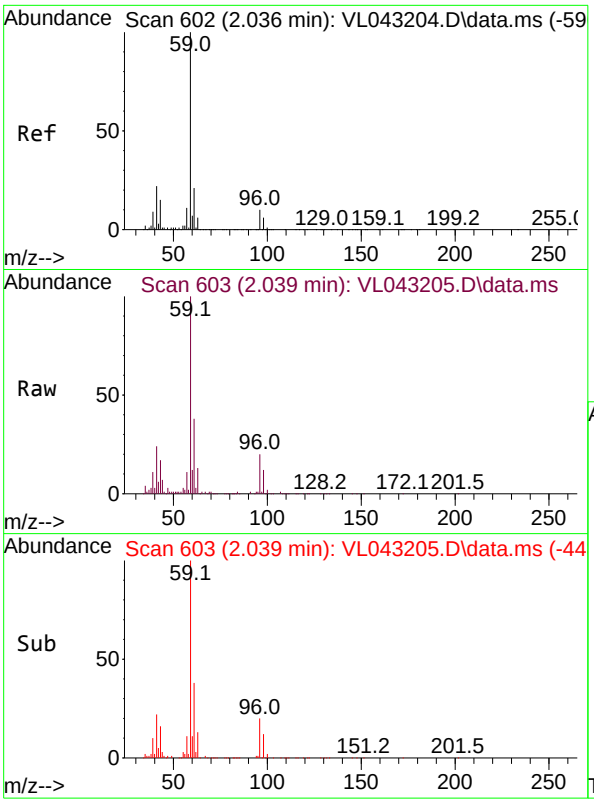


#16
1,3-Butadiene
Concen: 2.021 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 39 Resp: 13101

Ion	Ratio	Lower	Upper
39	100		
54	83.3	59.4	89.2

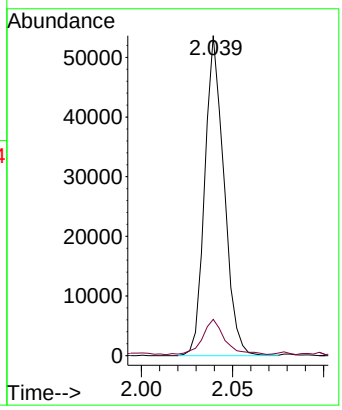




#17
tert-Butyl alcohol
Concen: 2.062 ppbv
RT: 2.039 min Scan# 6(
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 59 Resp: 3934(

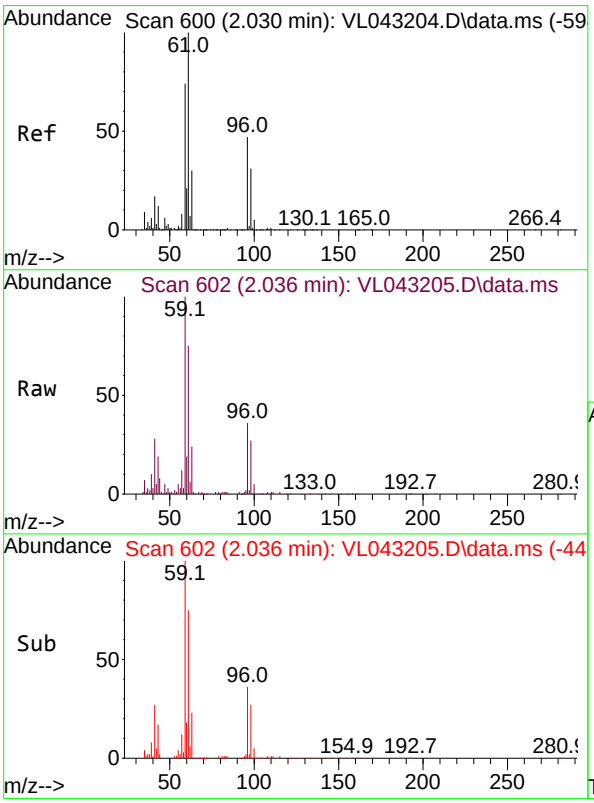
Ion	Ratio	Lower	Upper
59	100		
57	13.3	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

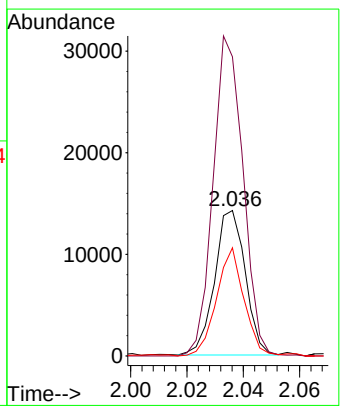
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

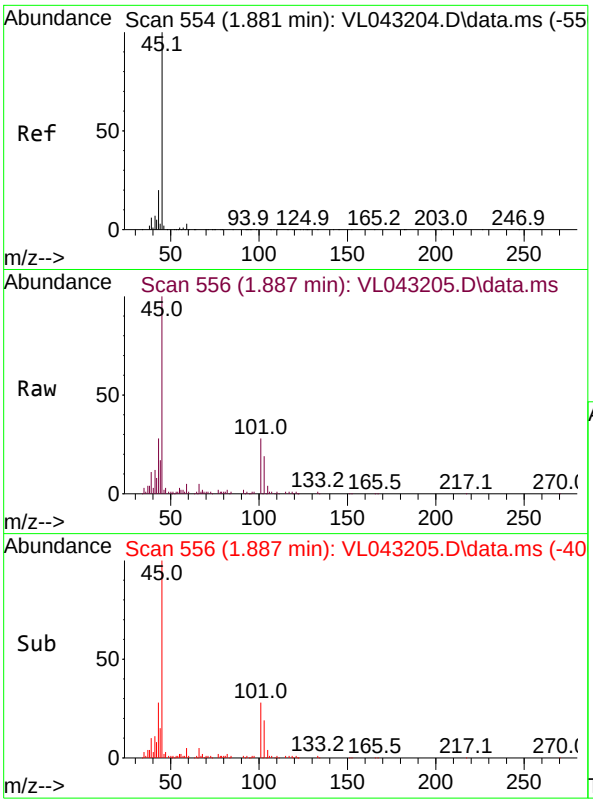


#18
1,1-Dichloroethene
Concen: 2.074 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 96 Resp: 10780

Ion	Ratio	Lower	Upper
96	100		
61	207.0	170.6	255.8
98	74.8	52.2	78.4

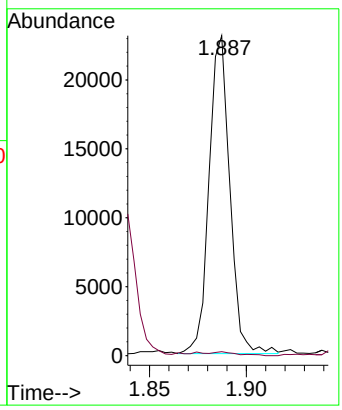




#19
Isopropyl Alcohol
Concen: 2.097 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 45 Resp: 1722

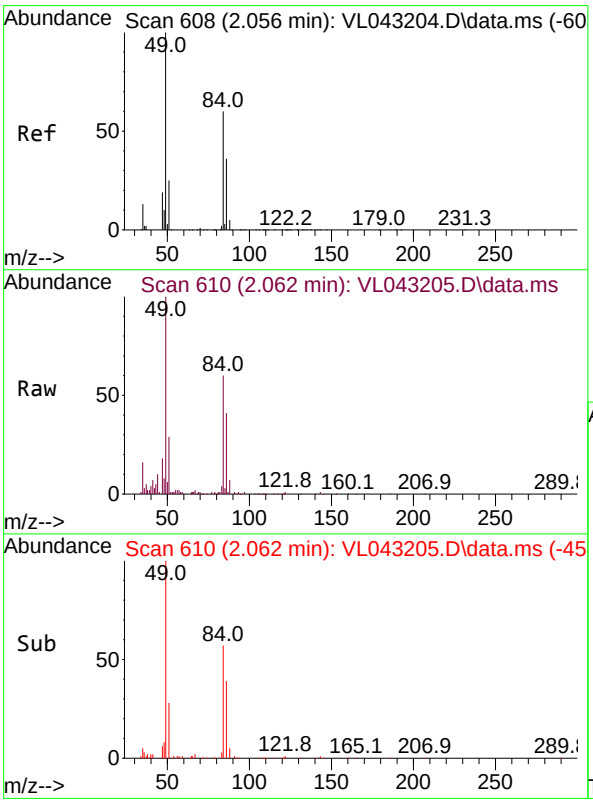
Ion	Ratio	Lower	Upper
45	100		
58	56.6	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

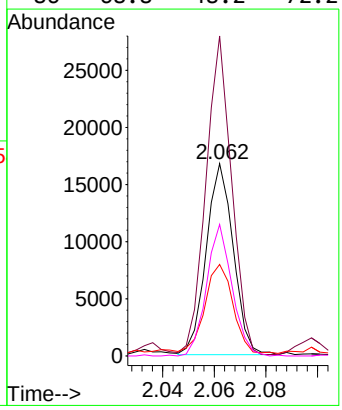
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

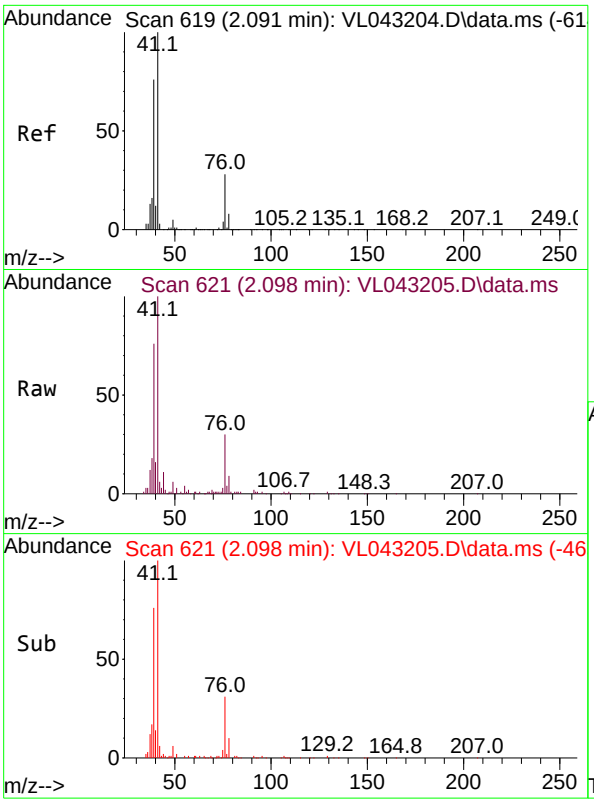


#20
Methylene Chloride
Concen: 2.248 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 84 Resp: 12238

Ion	Ratio	Lower	Upper
84	100		
49	166.8	132.9	199.3
51	46.5	34.8	52.2
86	68.8	48.2	72.2

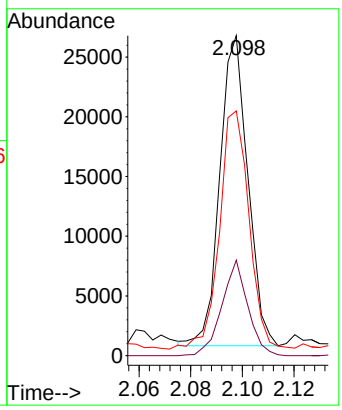




#21
Allyl Chloride
Concen: 2.002 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 41 Resp: 1958

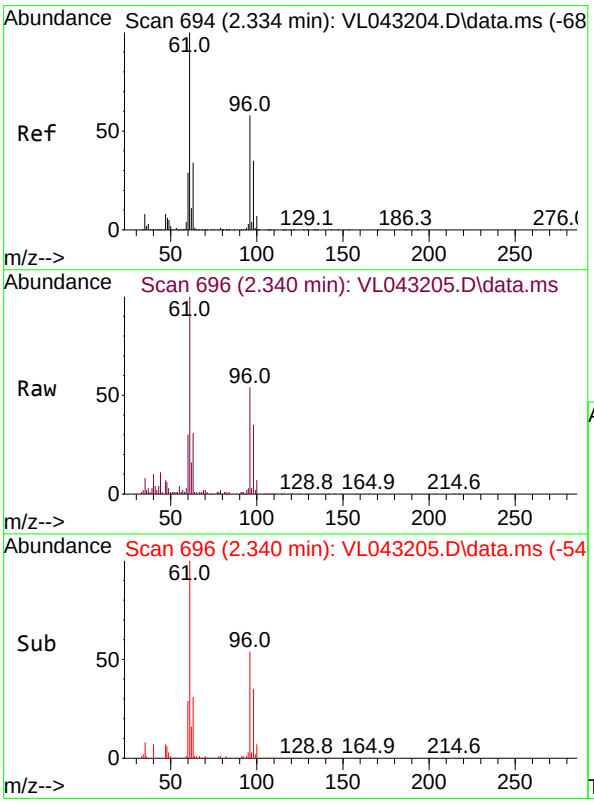
Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.1	33.1
39	81.8	61.0	91.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

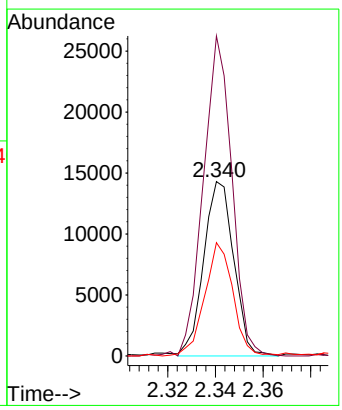
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

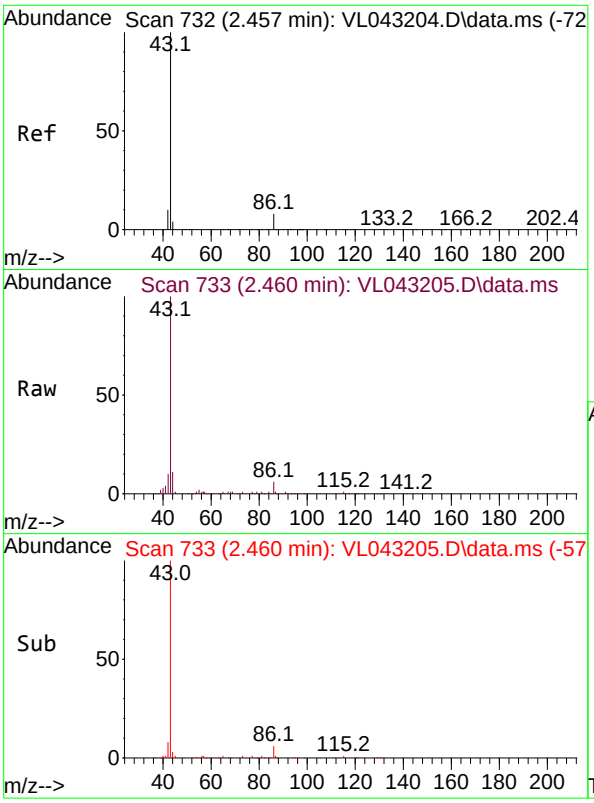


#22
trans-1,2-Dichloroethene
Concen: 2.110 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 96 Resp: 12537

Ion	Ratio	Lower	Upper
96	100		
61	183.6	139.0	208.6
98	64.3	49.4	74.2

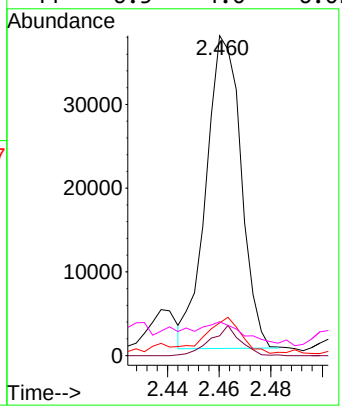




#23
Vinyl Acetate
Concen: 2.006 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 3520

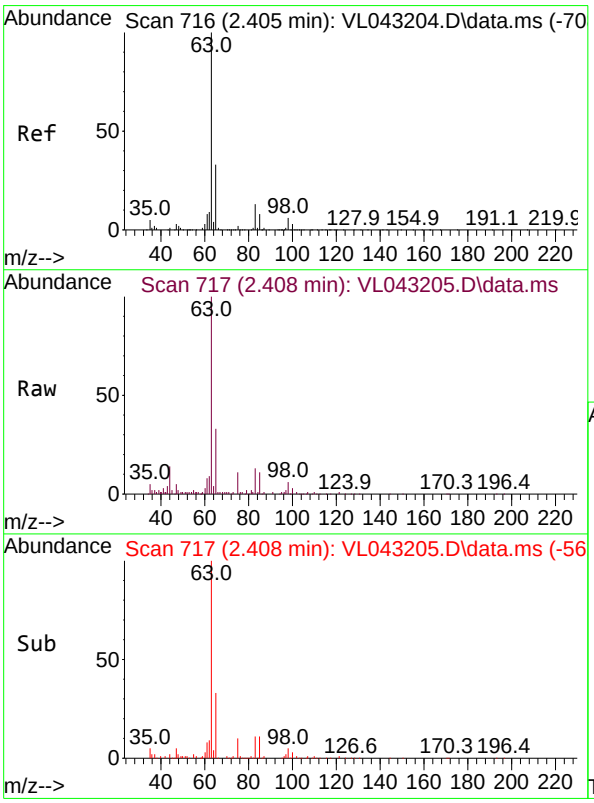
Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.2	9.2
42	9.5	8.0	12.0
44	6.5	4.0	6.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

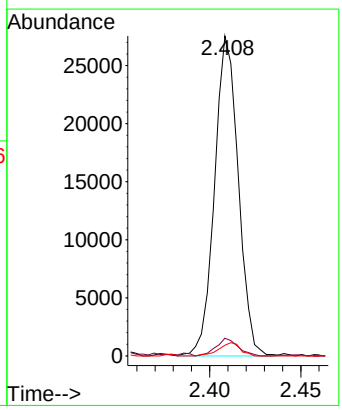
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

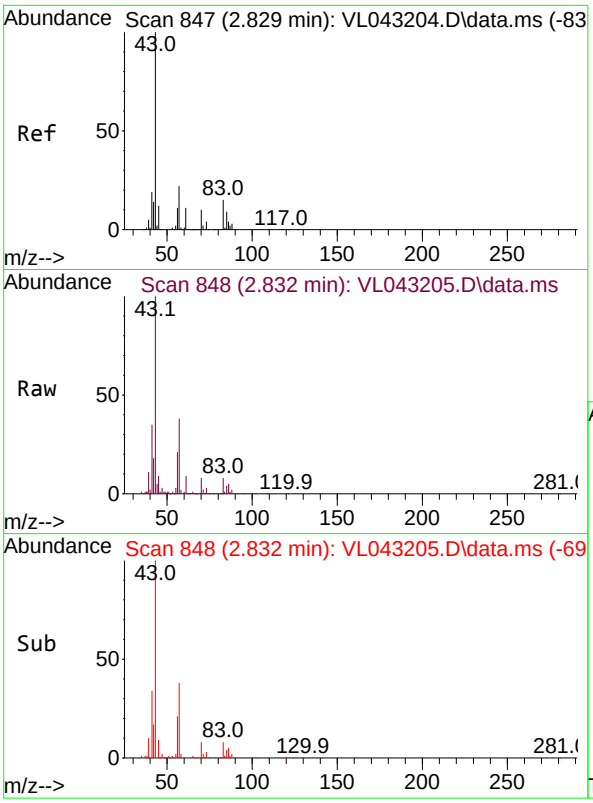


#24
1,1-Dichloroethane
Concen: 2.179 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 63 Resp: 24987

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.8	8.4
100	3.3	1.3	3.9

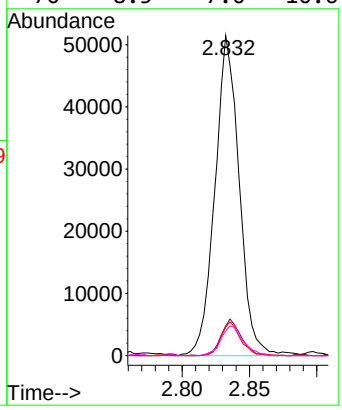




#25
Ethyl Acetate
Concen: 2.048 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 6434

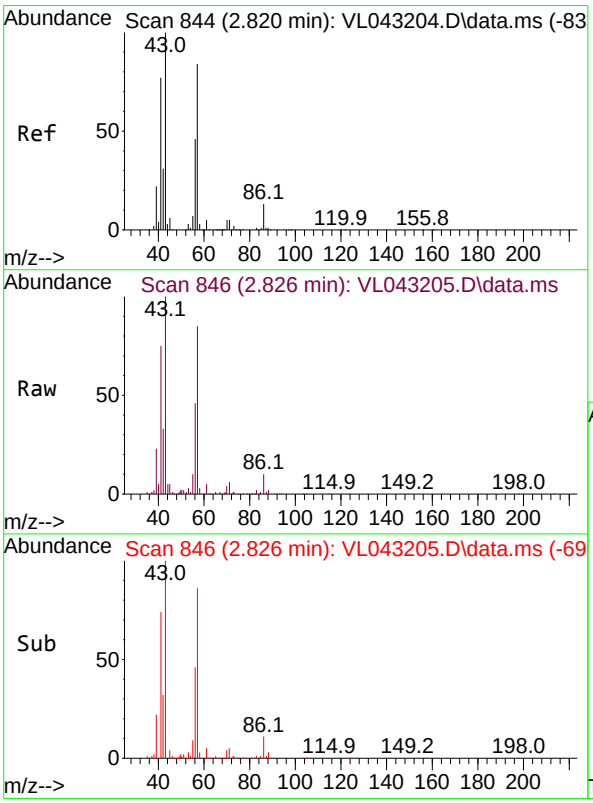
Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.1	12.1
61	8.5	7.0	10.4
70	8.5	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

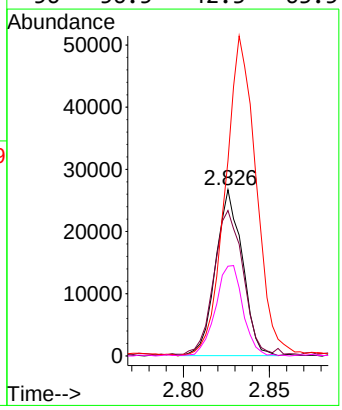
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

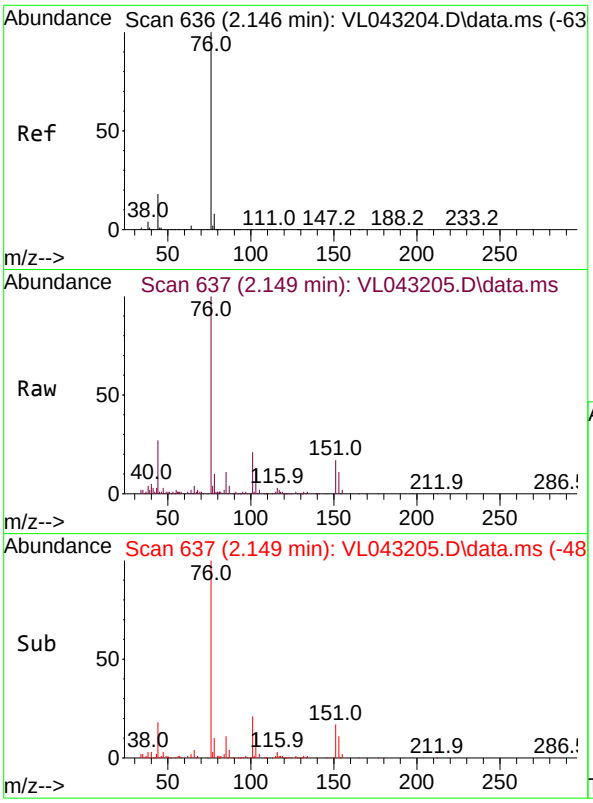


#26
Hexane
Concen: 2.093 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 57 Resp: 28776

Ion	Ratio	Lower	Upper
57	100		
41	96.3	74.6	111.8
43	221.0	179.0	268.4
56	56.5	42.3	63.5

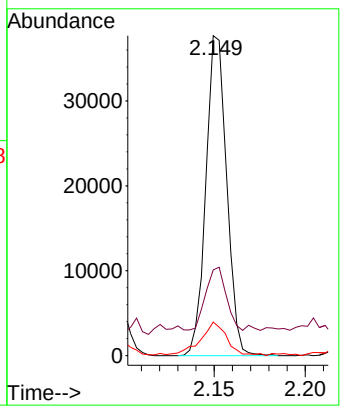




#27
Carbon Disulfide
Concen: 2.135 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 76 Resp: 2996

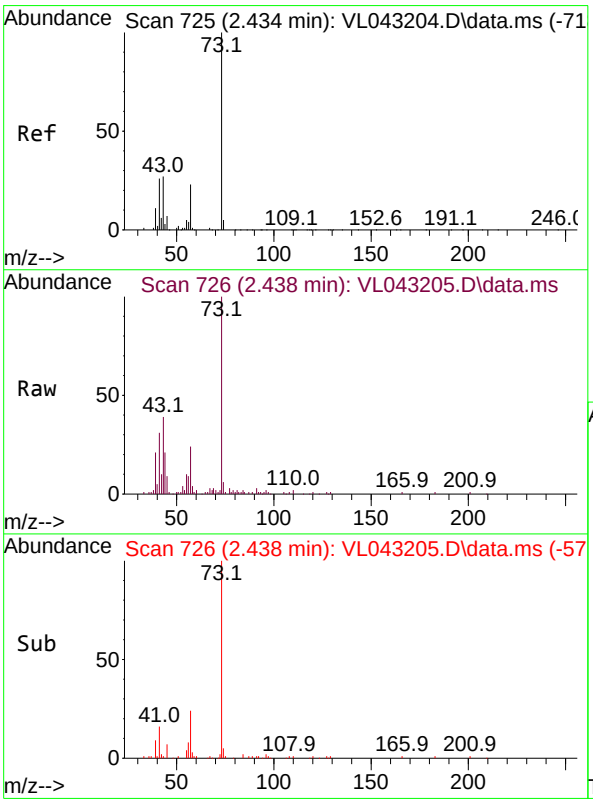
Ion	Ratio	Lower	Upper
76	100		
44	26.0	16.1	24.1#
78	13.5	9.6	14.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

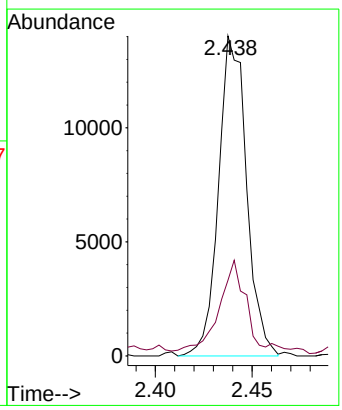
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

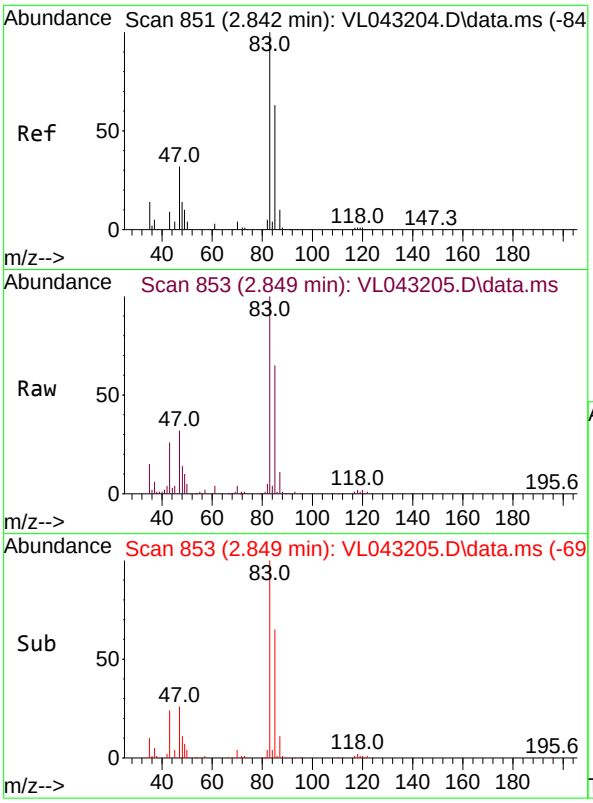


#28
Methyl tert-Butyl Ether
Concen: 2.090 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 73 Resp: 14101

Ion	Ratio	Lower	Upper
73	100		
57	32.5	19.8	29.8#

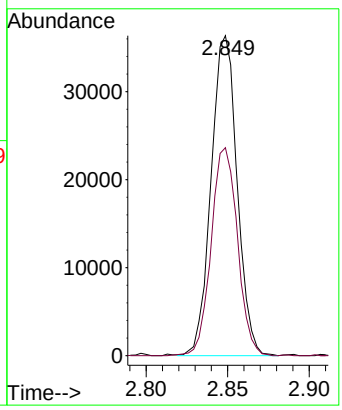




#29
Chloroform
Concen: 2.065 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 83 Resp: 4035

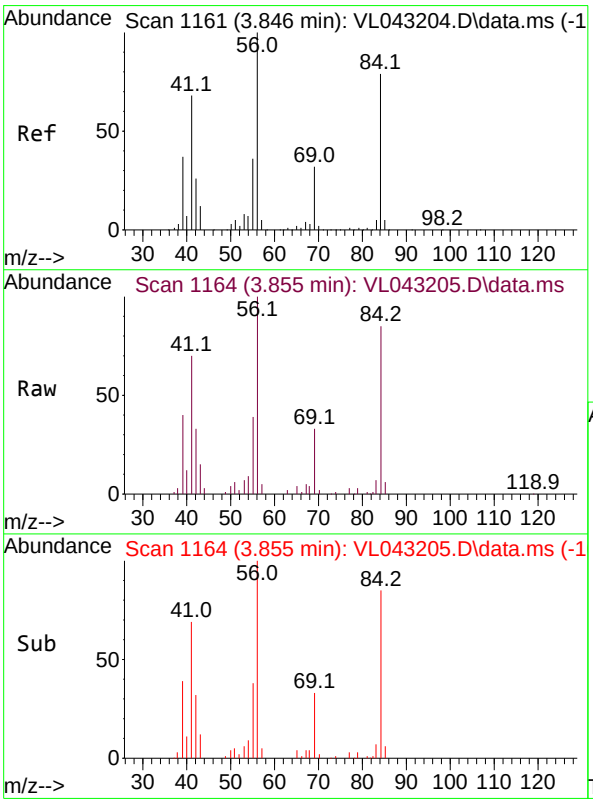
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.5	75.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

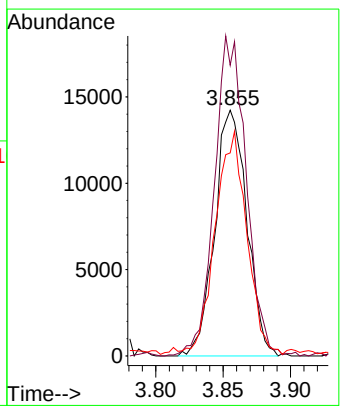
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

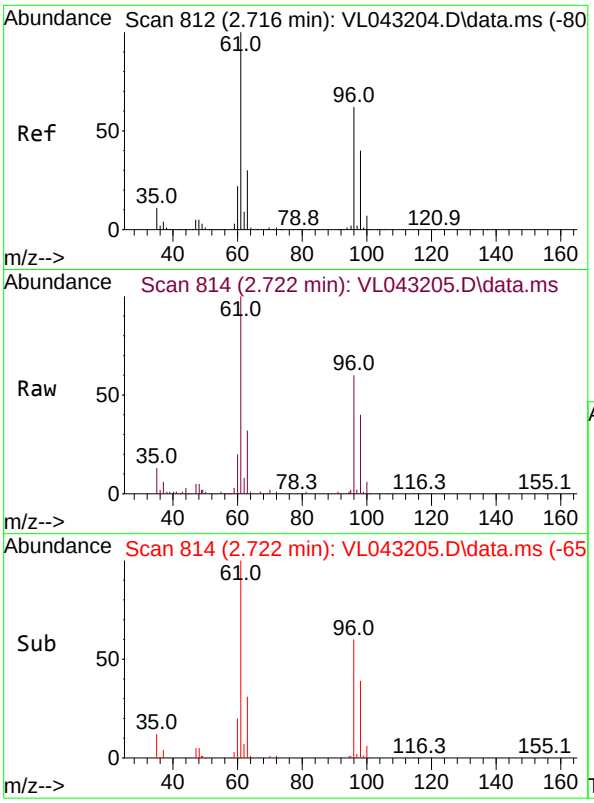


#30
Cyclohexane
Concen: 2.053 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 84 Resp: 23659

Ion	Ratio	Lower	Upper
84	100		
56	129.3	104.7	157.1
41	89.8	69.0	103.6

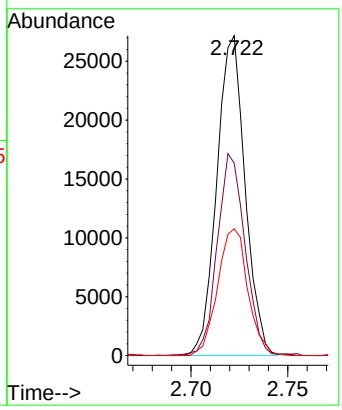




#31
cis-1,2-Dichloroethene
Concen: 2.024 ppbv
RT: 2.722 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 61 Resp: 2766

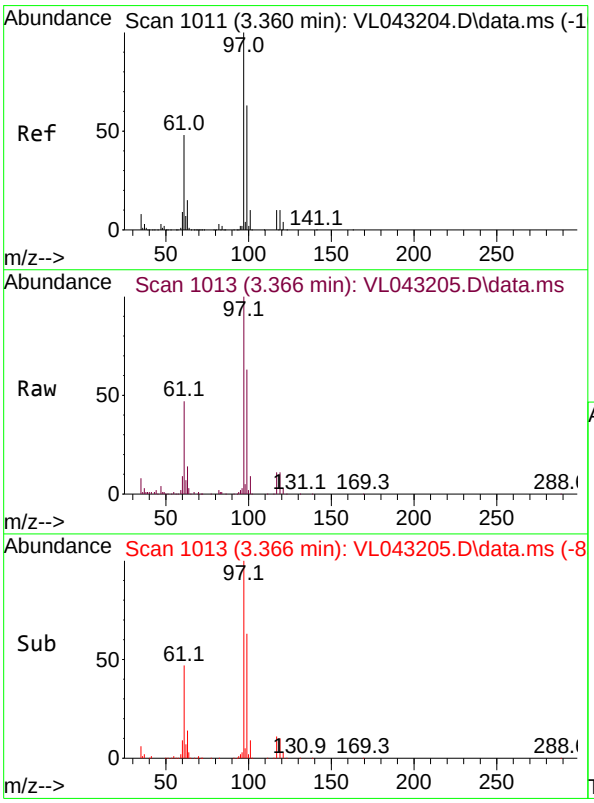
Ion	Ratio	Lower	Upper
61	100		
96	59.9	49.3	73.9
98	39.6	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

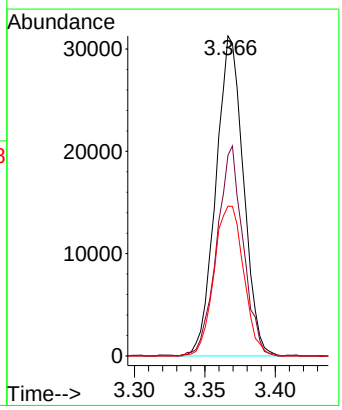
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

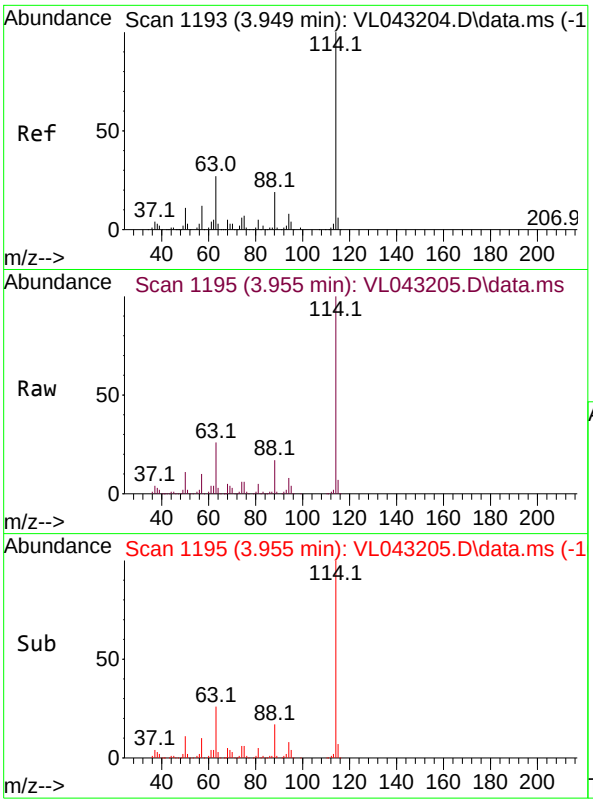


#32
1,1,1-Trichloroethane
Concen: 2.024 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 97 Resp: 42547

Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.3	75.5
61	50.4	38.9	58.3

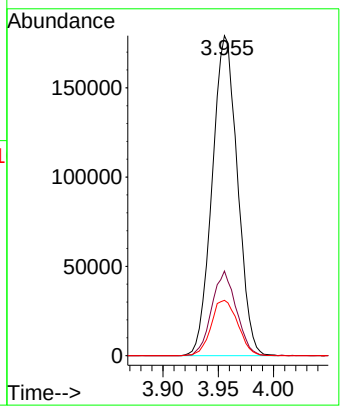




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:114 Resp: 28462

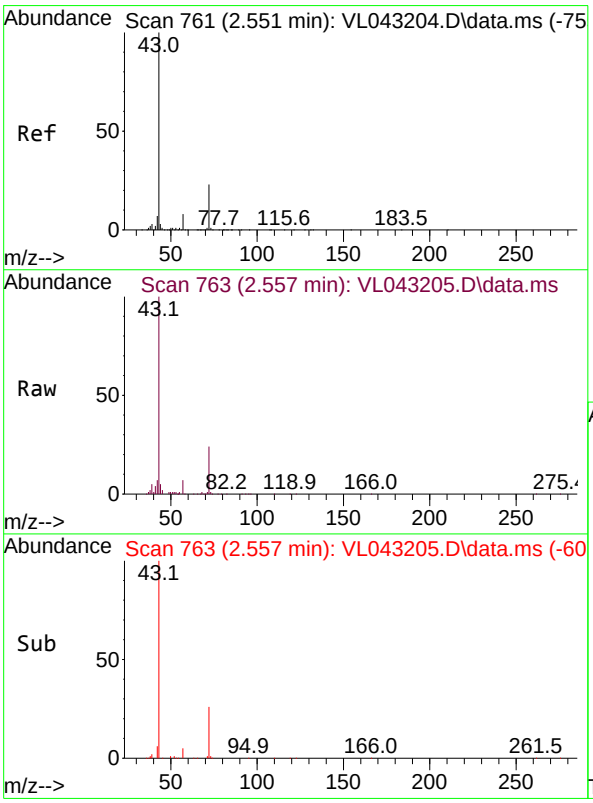
Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	18.2	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

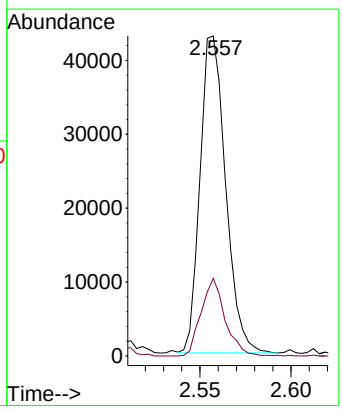
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

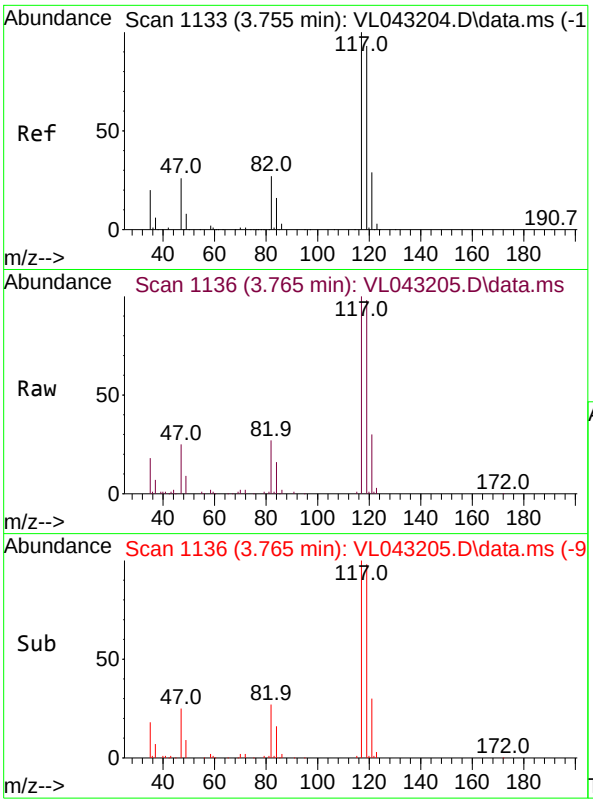


#34
2-Butanone
Concen: 2.085 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 41884

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.1	27.1

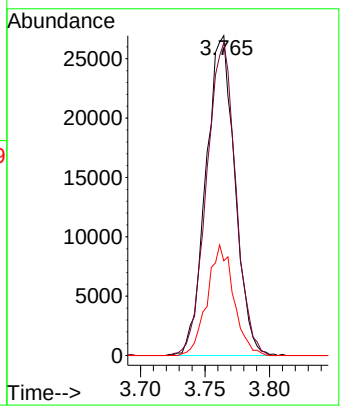




#35
Carbon Tetrachloride
Concen: 1.942 ppbv
RT: 3.765 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:117 Resp: 4194

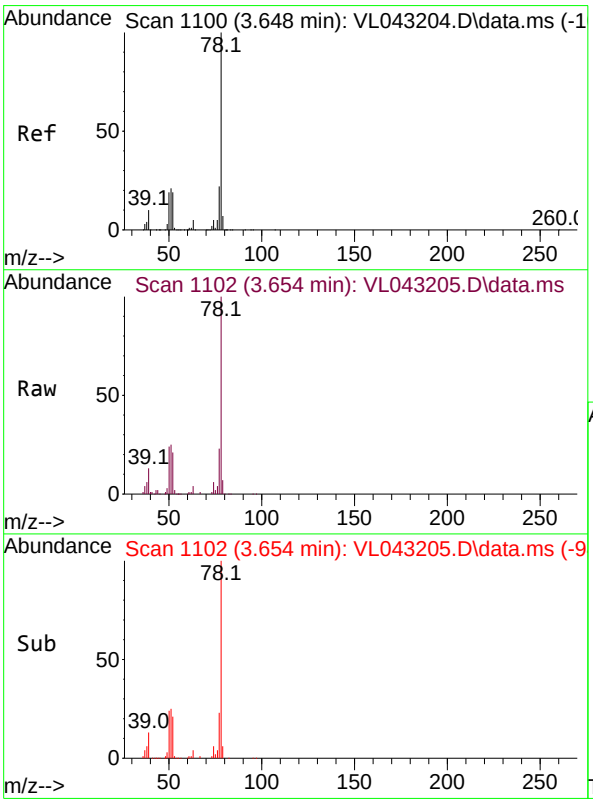
Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.6	112.0
121	29.6	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

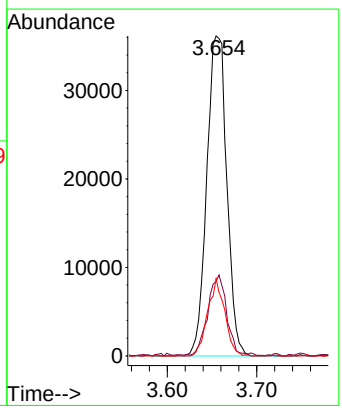
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

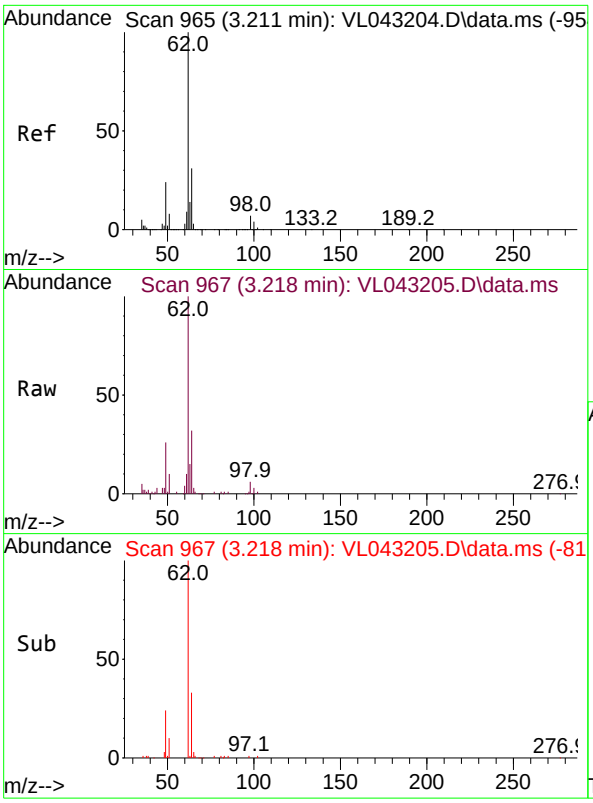


#36
Benzene
Concen: 2.060 ppbv m
RT: 3.654 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 78 Resp: 56141

Ion	Ratio	Lower	Upper
78	100		
77	23.3	17.5	26.3
50	24.1	15.5	23.3#

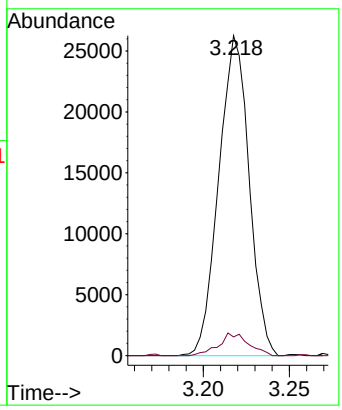




#37
1,2-Dichloroethane
Concen: 2.019 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 62 Resp: 3218

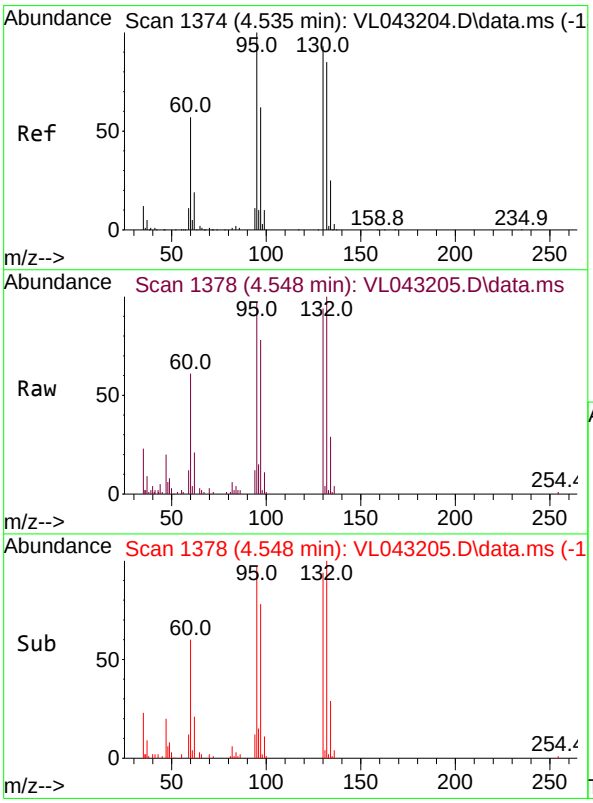
Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.5	8.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

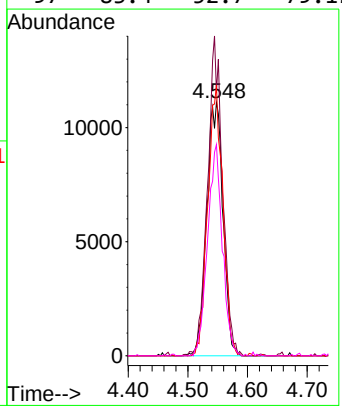
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

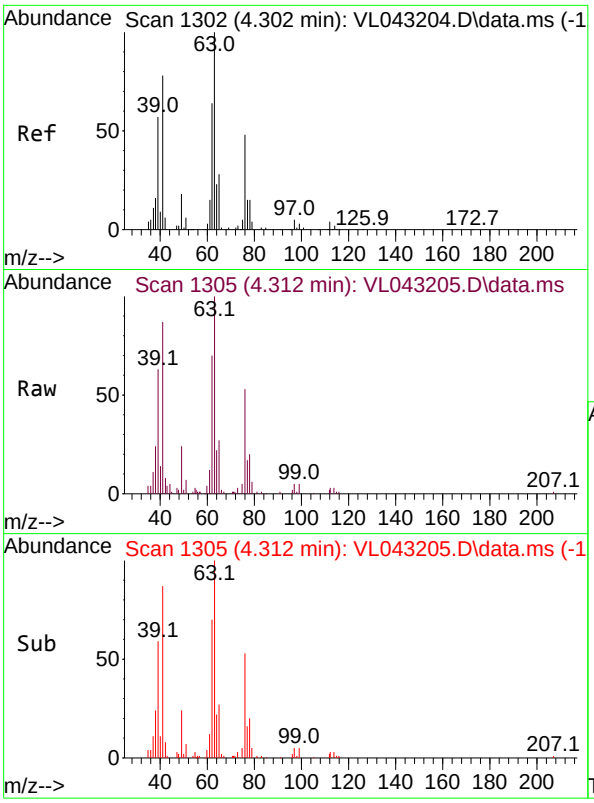


#38
Trichloroethene
Concen: 1.975 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:130 Resp: 21105

Ion	Ratio	Lower	Upper
130	100		
95	104.0	85.7	128.5
132	106.9	73.4	110.0
97	83.4	52.7	79.1#

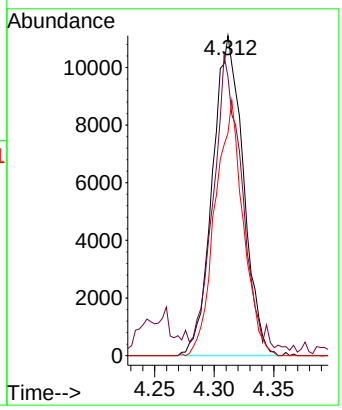




#39
1,2-Dichloropropane
Concen: 1.996 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 63 Resp: 1991

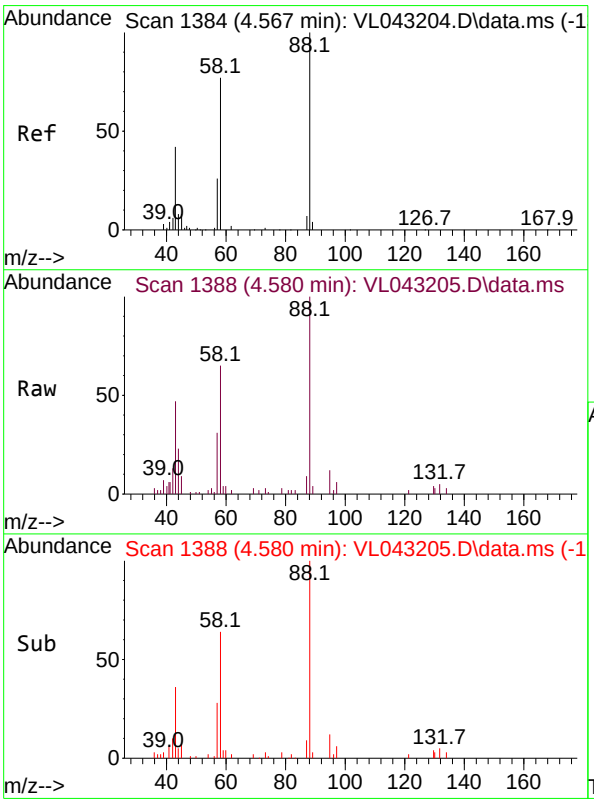
Ion	Ratio	Lower	Upper
63	100		
41	83.9	62.6	93.8
62	69.5	51.0	76.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

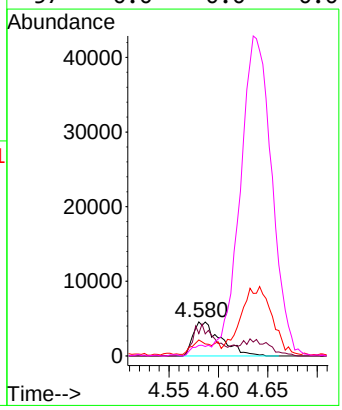
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

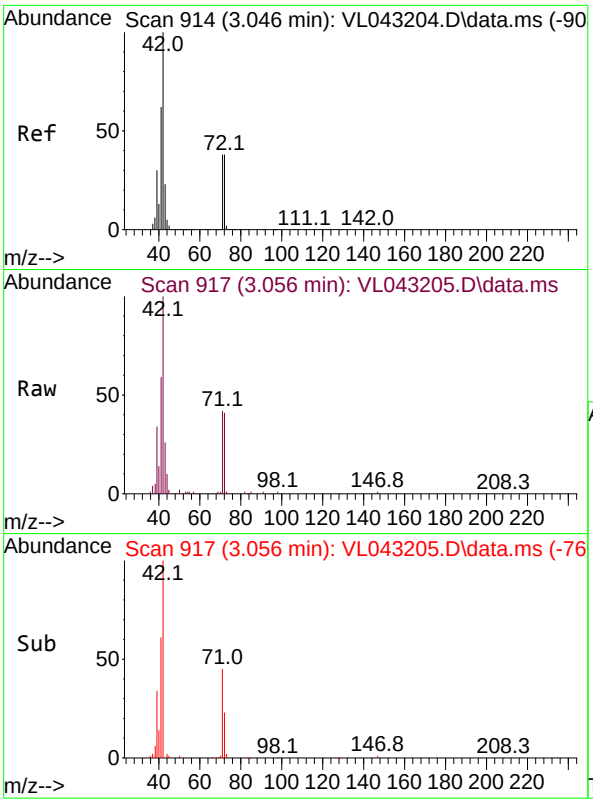


#40
1,4-Dioxane
Concen: 1.969 ppbv m
RT: 4.580 min Scan# 1388
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 88 Resp: 8829

Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.0	94.6#
43	0.0	32.5	48.7#
57	0.0	0.0	0.0

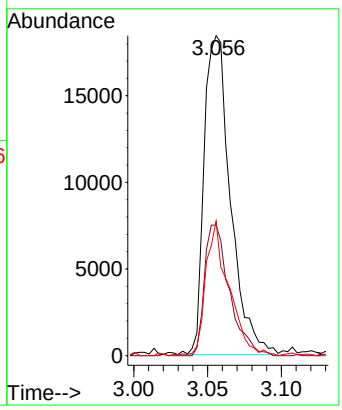




#41
Tetrahydrofuran
Concen: 2.065 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 42 Resp: 2291

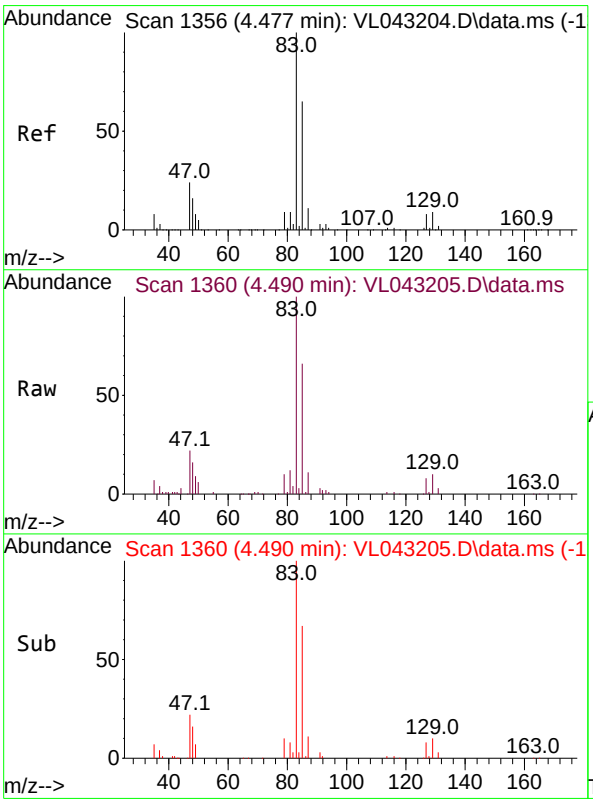
Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.6	46.0
71	37.9	30.5	45.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

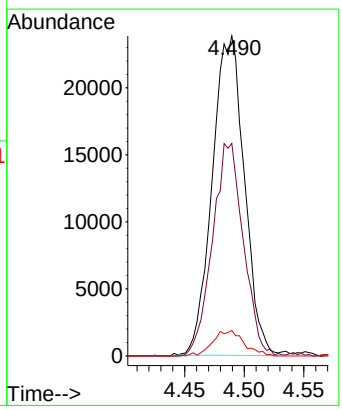
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

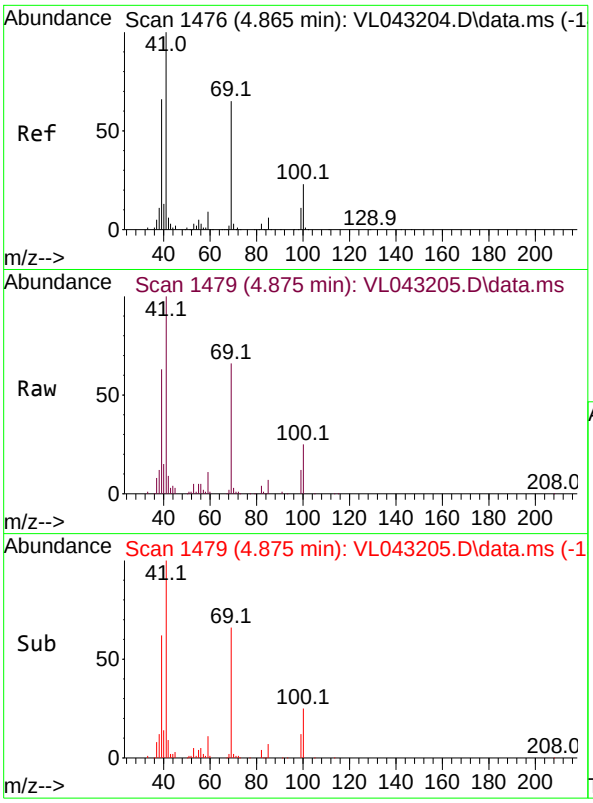


#42
Bromodichloromethane
Concen: 2.027 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 83 Resp: 44584

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.7	77.5
127	7.9	6.3	9.5

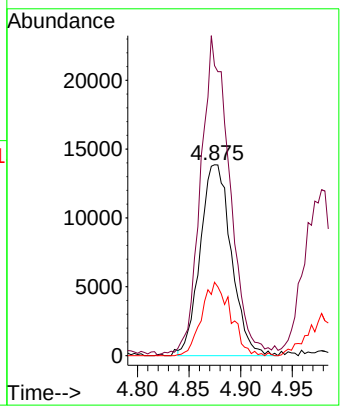




#43
Methyl Methacrylate
Concen: 2.009 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 69 Resp: 2907

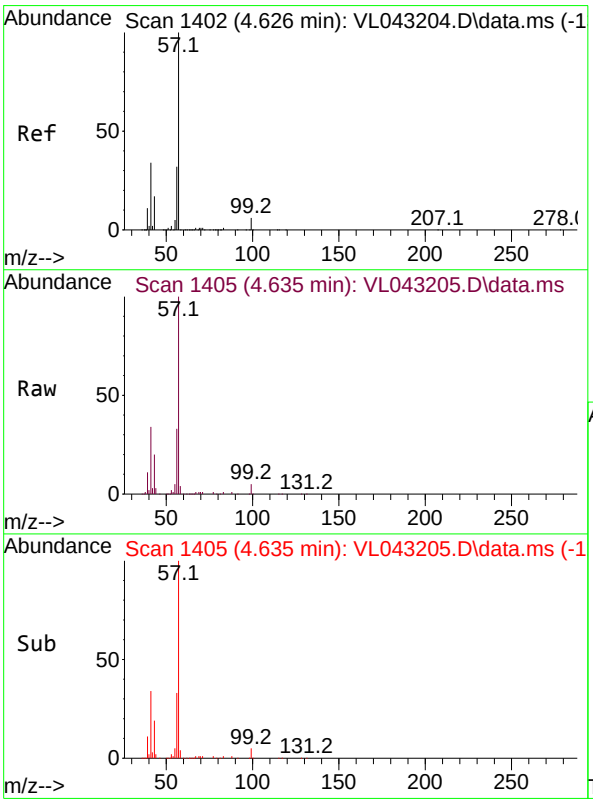
Ion	Ratio	Lower	Upper
69	100		
41	157.2	126.7	190.1
100	36.0	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

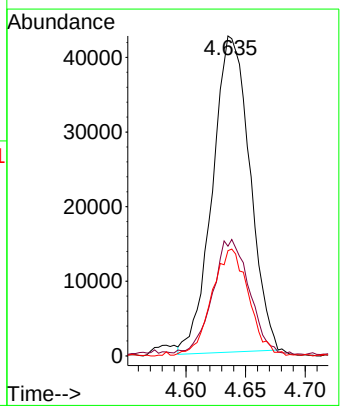
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

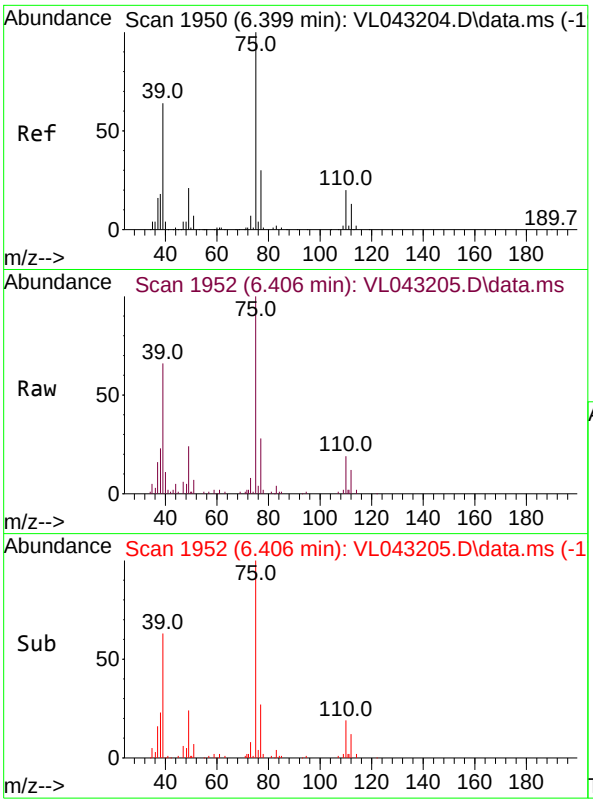


#44
2,2,4-Trimethylpentane
Concen: 1.971 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 57 Resp: 92261

Ion	Ratio	Lower	Upper
57	100		
41	37.8	28.0	42.0
56	33.9	25.6	38.4

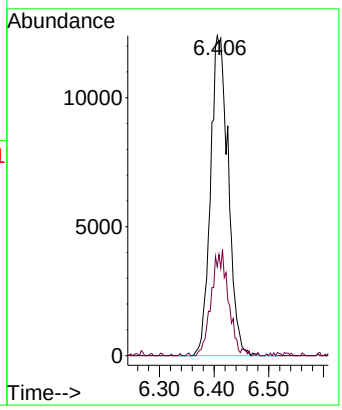




#45
t-1,3-Dichloropropene
Concen: 2.064 ppbv m
RT: 6.406 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 75 Resp: 2783

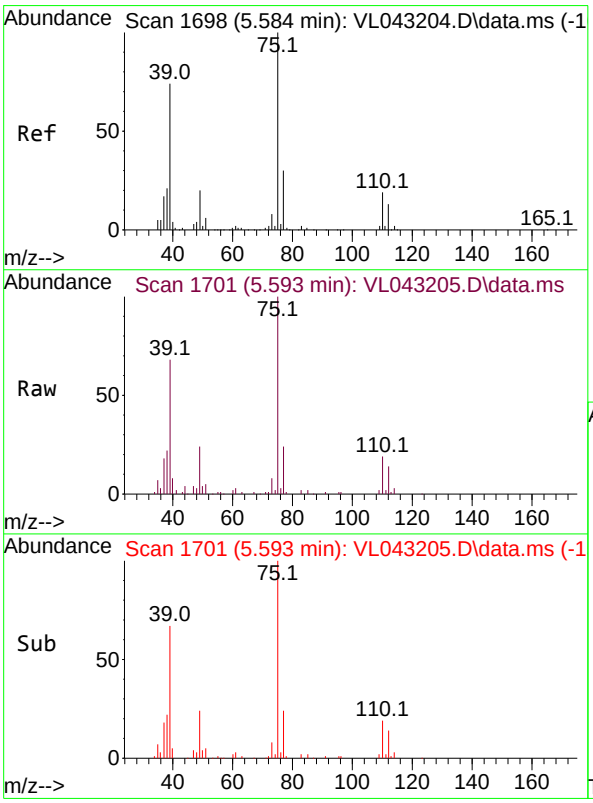
Ion	Ratio	Lower	Upper
75	100		
77	27.8	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

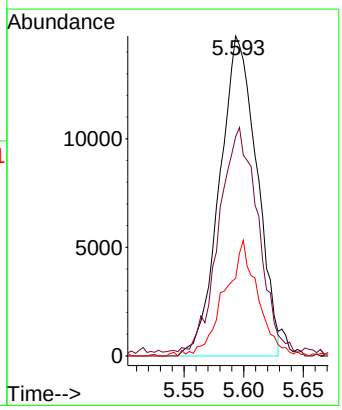
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

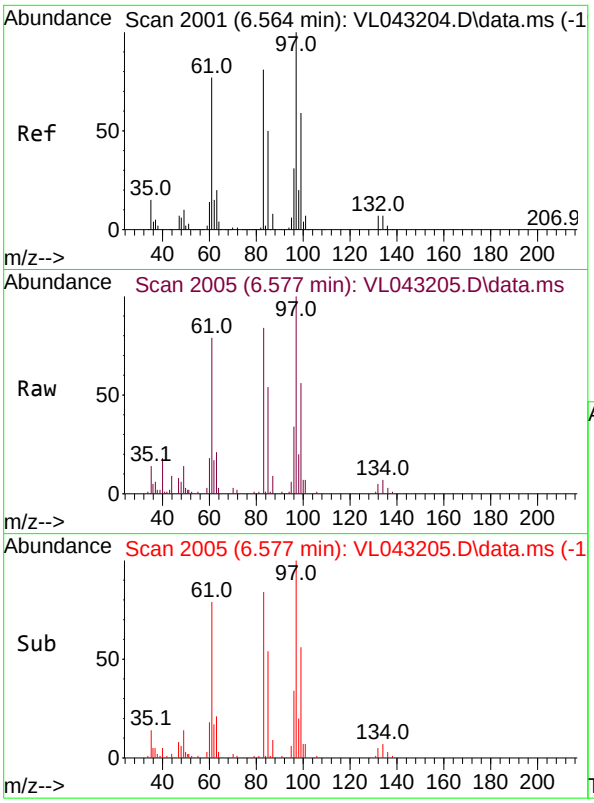


#46
cis-1,3-Dichloropropene
Concen: 2.020 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 75 Resp: 31986

Ion	Ratio	Lower	Upper
75	100		
39	67.2	59.1	88.7
77	24.2	24.2	36.2

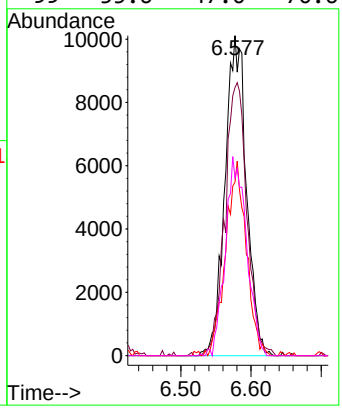




#47
1,1,2-Trichloroethane
Concen: 2.025 ppbv m
RT: 6.577 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 97 Resp: 2154

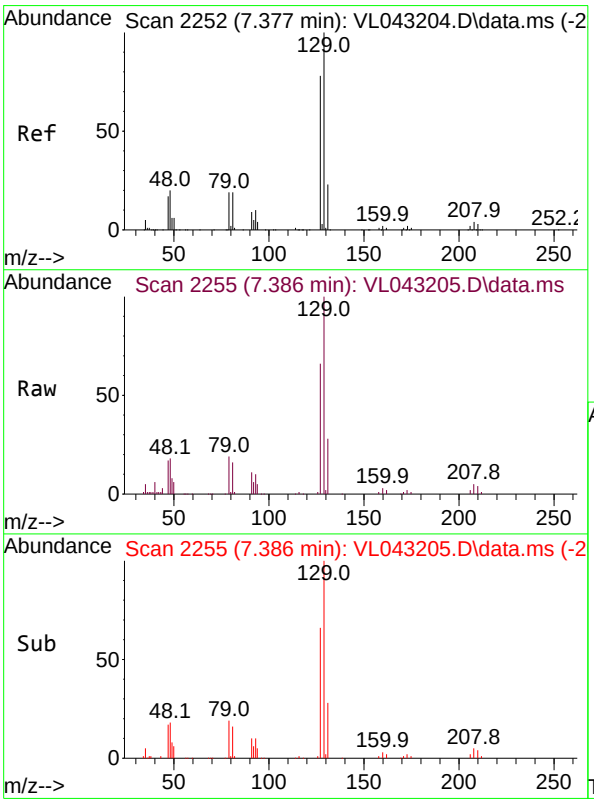
Ion	Ratio	Lower	Upper
97	100		
83	83.8	64.6	97.0
85	54.2	39.4	59.2
99	55.6	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

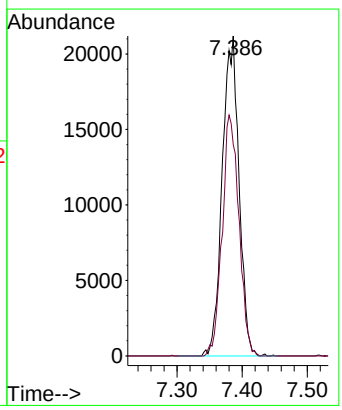
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

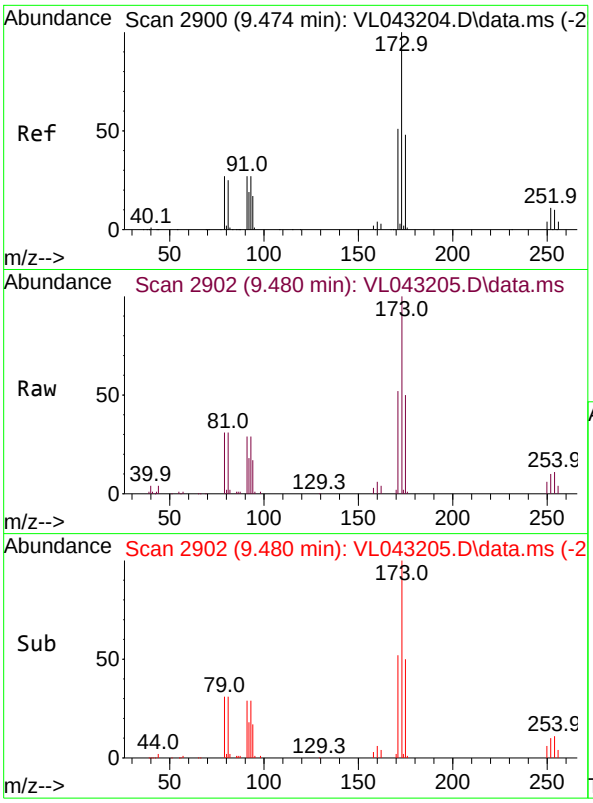


#48
Dibromochloromethane
Concen: 2.074 ppbv m
RT: 7.386 min Scan# 2255
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:129 Resp: 37758

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#

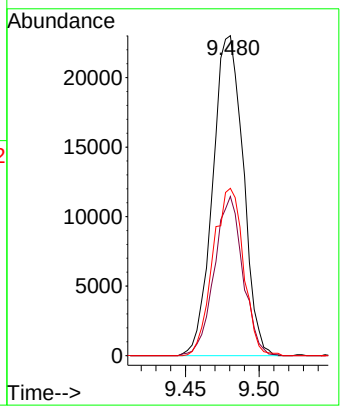




#49
Bromoform
Concen: 2.050 ppbv
RT: 9.480 min Scan# 29
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:173 Resp: 3305

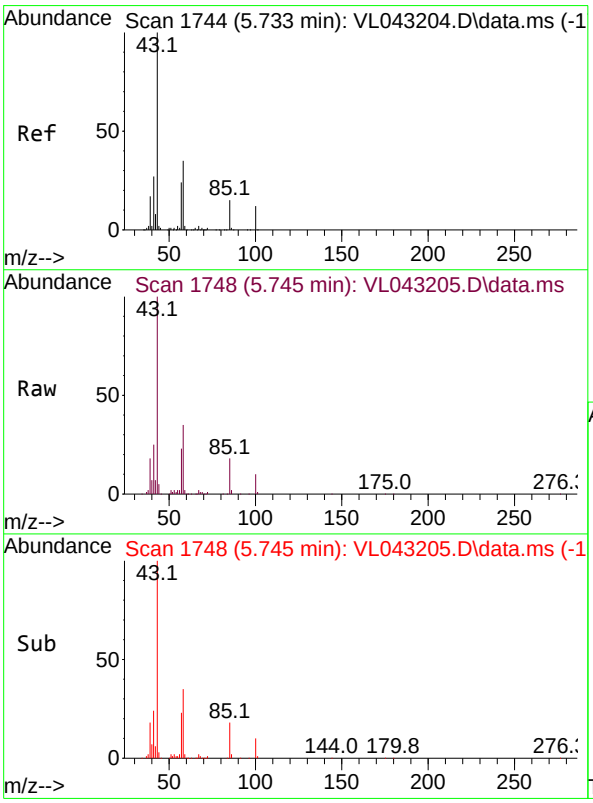
Ion	Ratio	Lower	Upper
173	100		
175	46.6	38.6	58.0
171	52.4	40.6	61.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

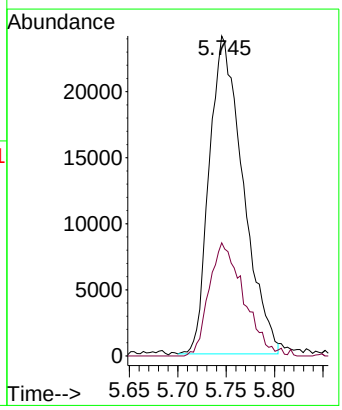
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

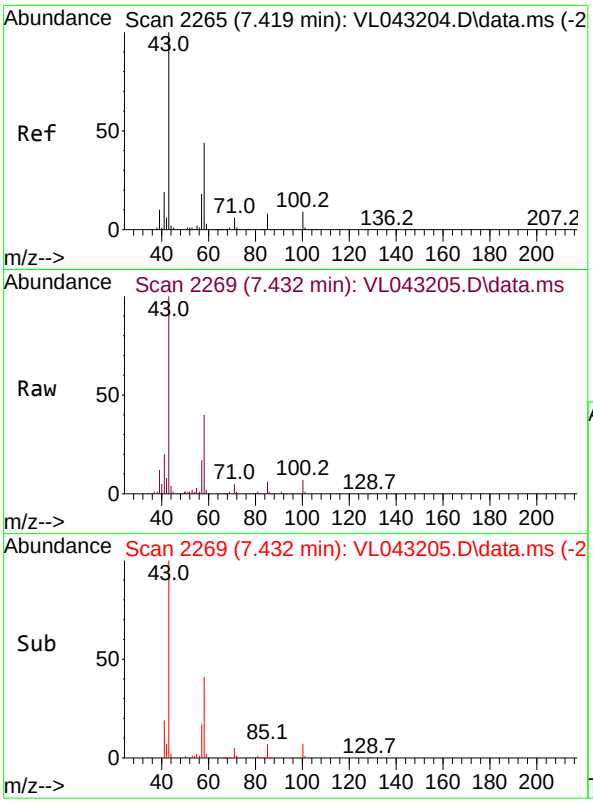


#50
4-Methyl-2-Pentanone
Concen: 2.066 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 58461

Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.4	42.6

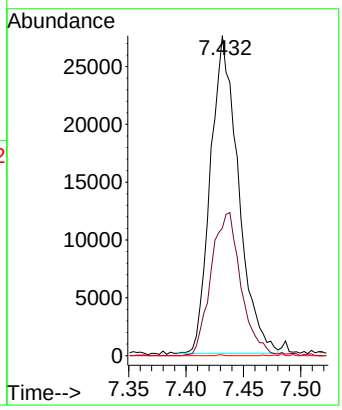




#51
2-Hexanone
Concen: 2.113 ppbv
RT: 7.432 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 4644

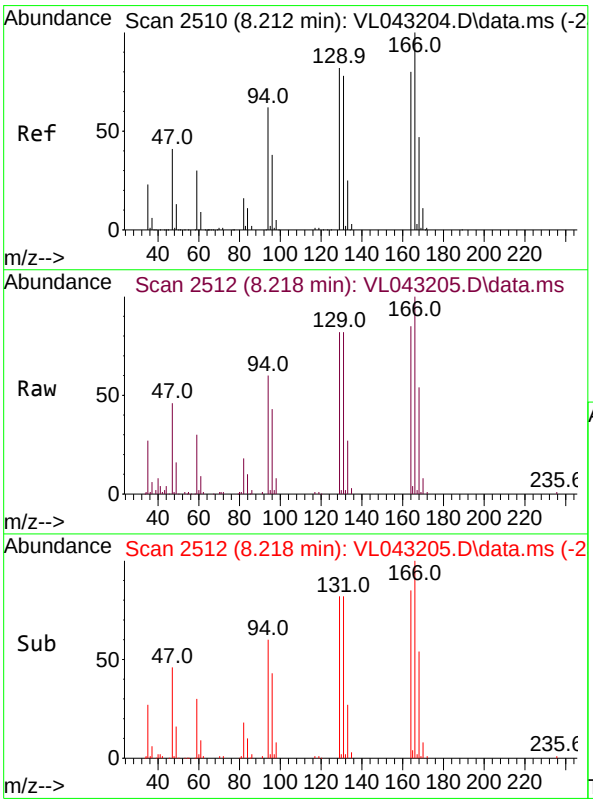
Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.4	57.6
98	0.2	0.0	0.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

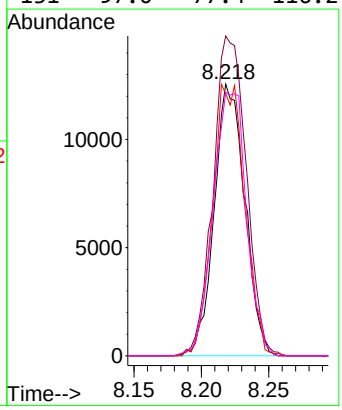
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

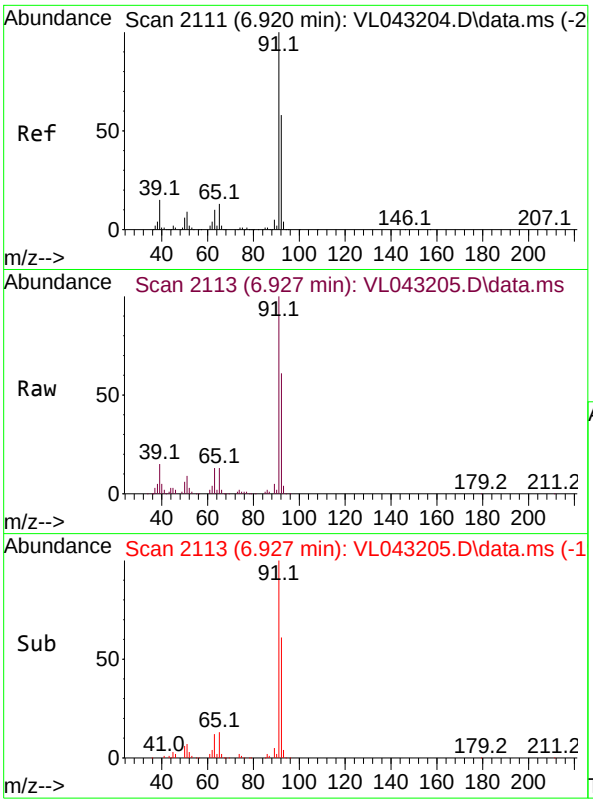


#52
Tetrachloroethene
Concen: 1.958 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:164 Resp: 19856

Ion	Ratio	Lower	Upper
164	100		
166	117.2	99.4	149.2
129	96.5	81.8	122.8
131	97.0	77.4	116.2

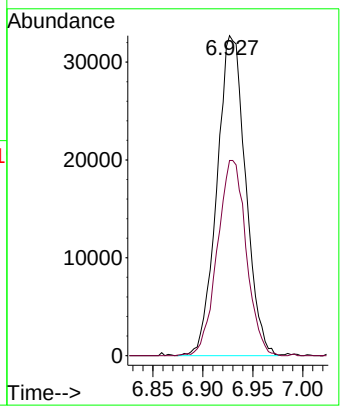




#53
Toluene
Concen: 2.008 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 6523

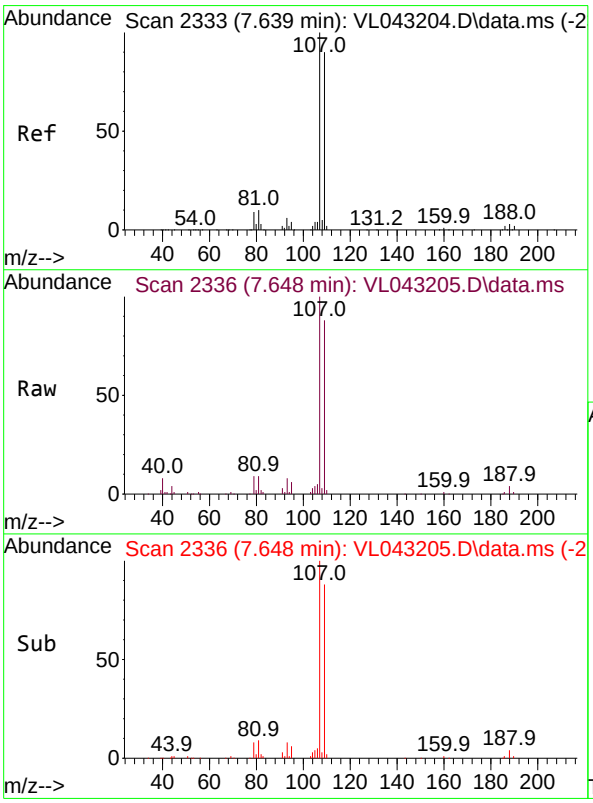
Ion	Ratio	Lower	Upper
91	100		
92	61.5	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

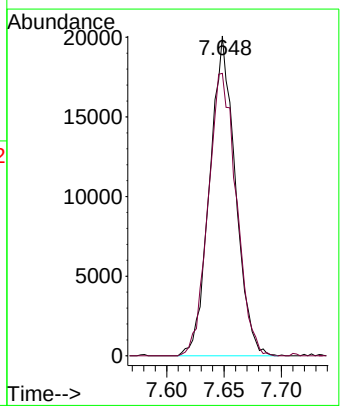
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

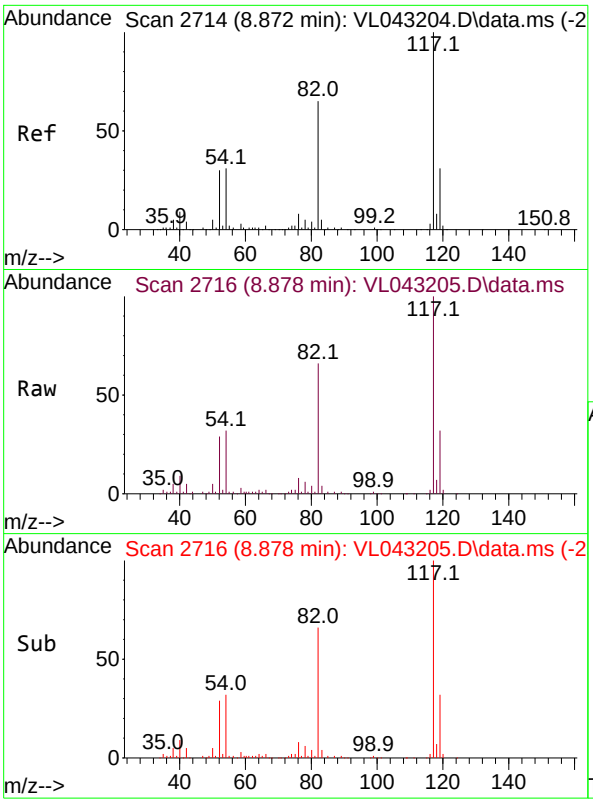


#54
1,2-Dibromoethane
Concen: 2.007 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:107 Resp: 31266

Ion	Ratio	Lower	Upper
107	100		
109	88.3	72.1	108.1

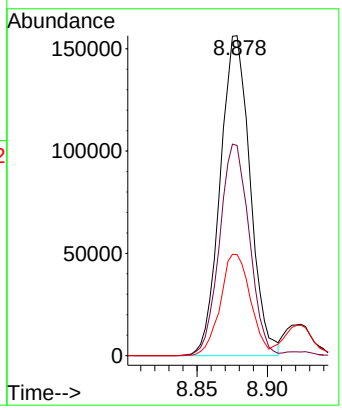




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:117 Resp: 23064

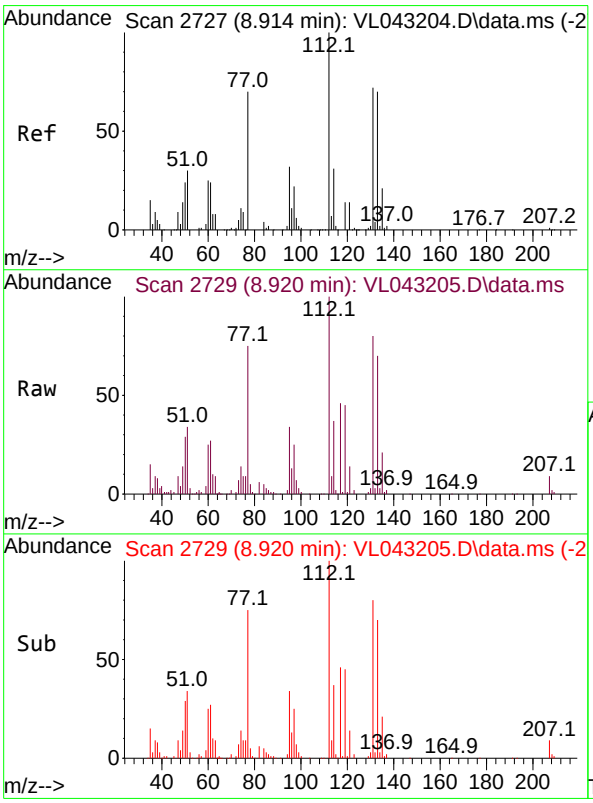
Ion	Ratio	Lower	Upper
117	100		
82	67.2	56.1	84.1
119	32.0	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

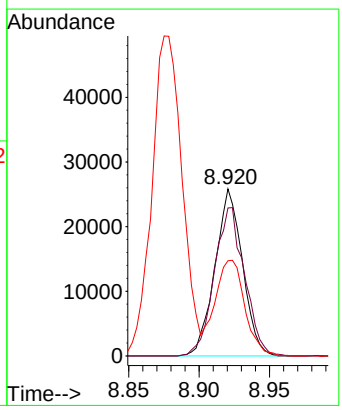
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

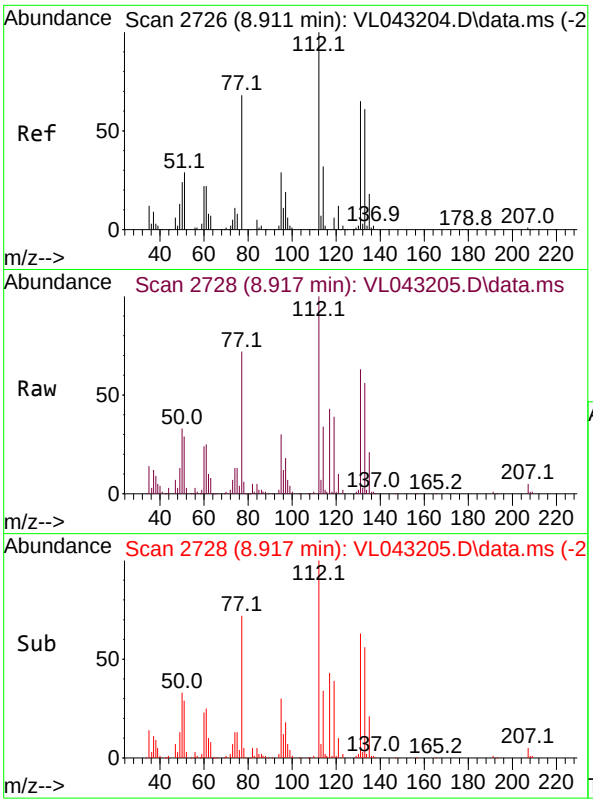


#56
1,1,1,2-Tetrachloroethane
Concen: 2.071 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:131 Resp: 35099

Ion	Ratio	Lower	Upper
131	100		
133	97.4	77.4	116.2
119	60.1	49.1	73.7

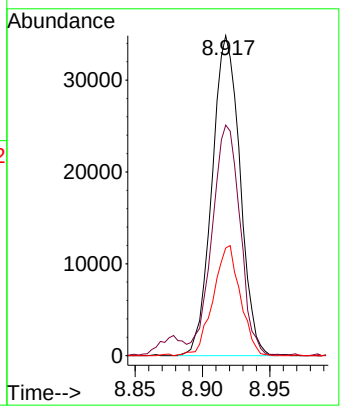




#57
Chlorobenzene
Concen: 2.121 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:112 Resp: 5022

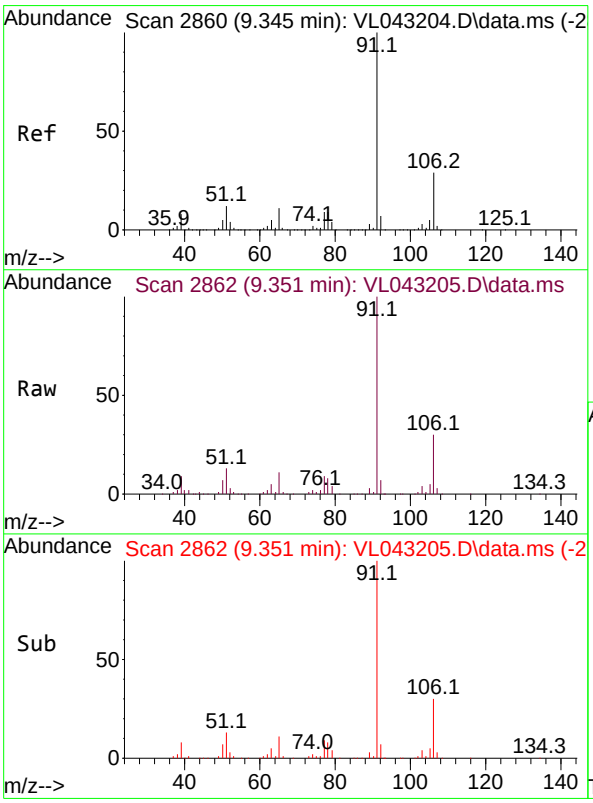
Ion	Ratio	Lower	Upper
112	100		
77	71.6	55.5	83.3
114	33.6	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

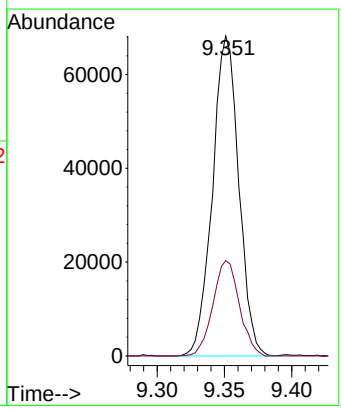
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

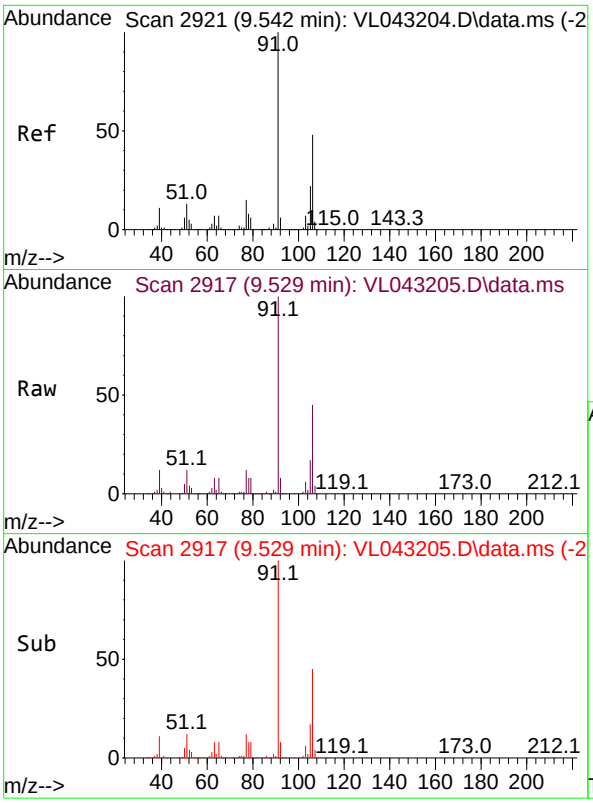


#58
Ethyl Benzene
Concen: 2.087 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 92649

Ion	Ratio	Lower	Upper
91	100		
106	29.8	22.8	34.2





#59
m/p-Xylene
Concen: 4.151 ppbv m
RT: 9.529 min Scan# 29
Delta R.T. -0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

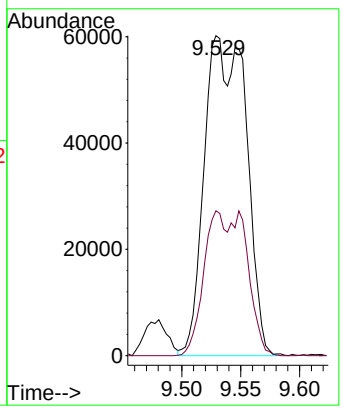
Tgt Ion: 91 Resp: 14830

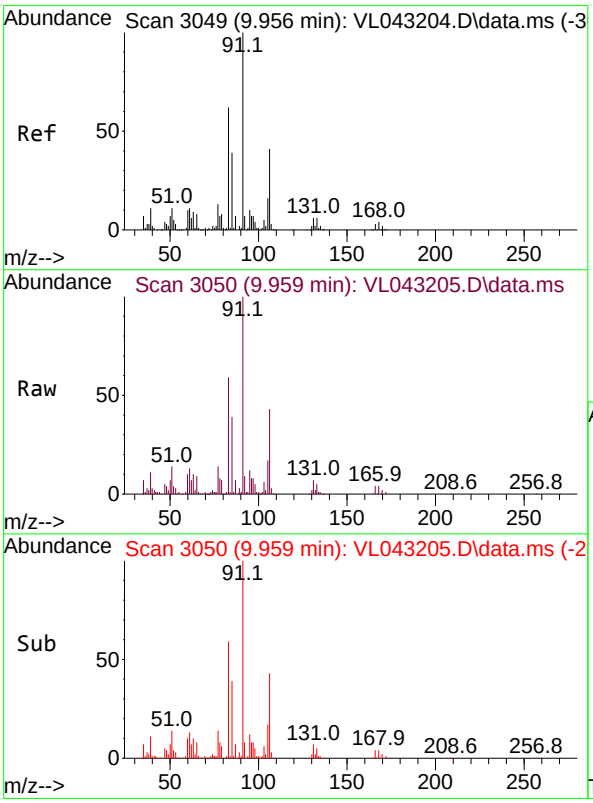
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

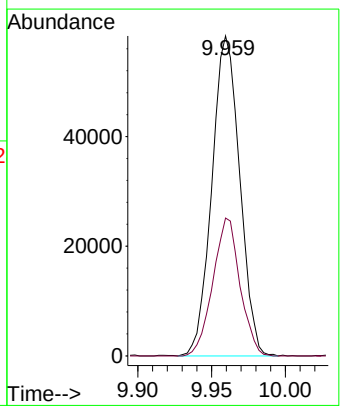


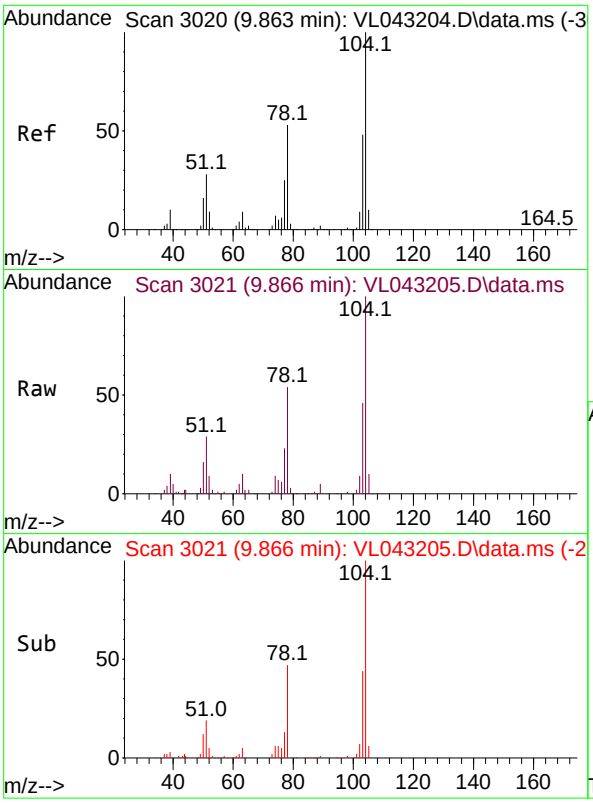


#60
o-Xylene
Concen: 2.153 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 76540

Ion	Ratio	Lower	Upper
91	100		
106	41.9	20.9	62.8

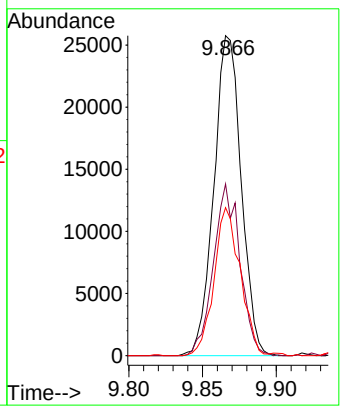




#61
Styrene
Concen: 2.133 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:104 Resp: 3318

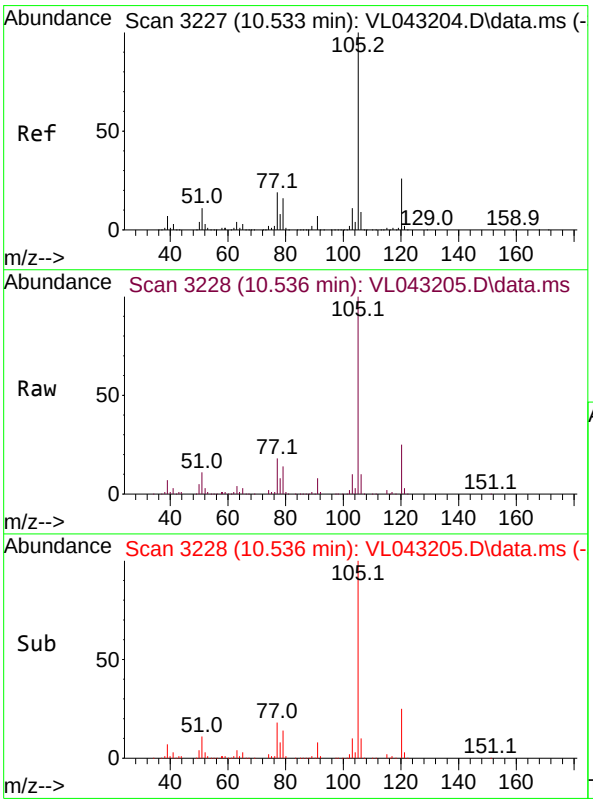
Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.1	63.1
103	44.9	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

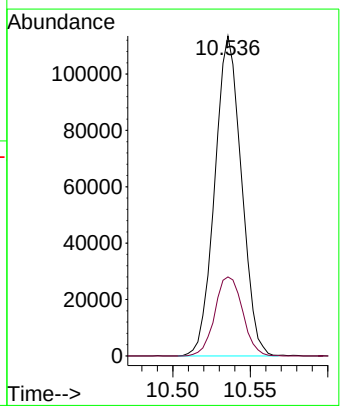
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

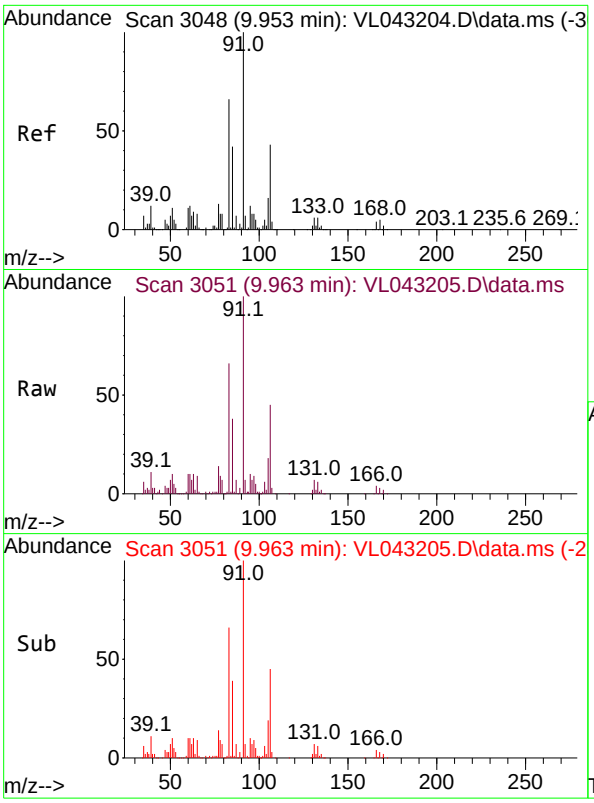


#62
Isopropylbenzene
Concen: 2.136 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 135853

Ion	Ratio	Lower	Upper
105	100		
120	25.6	19.8	29.8

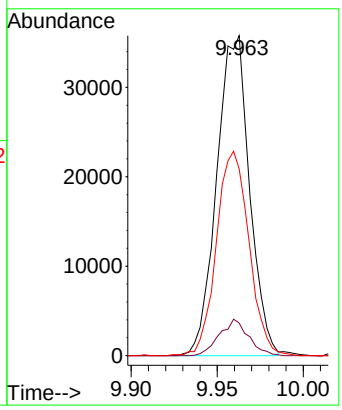




#63
1,1,2,2-Tetrachloroethane
Concen: 2.102 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 83 Resp: 4743

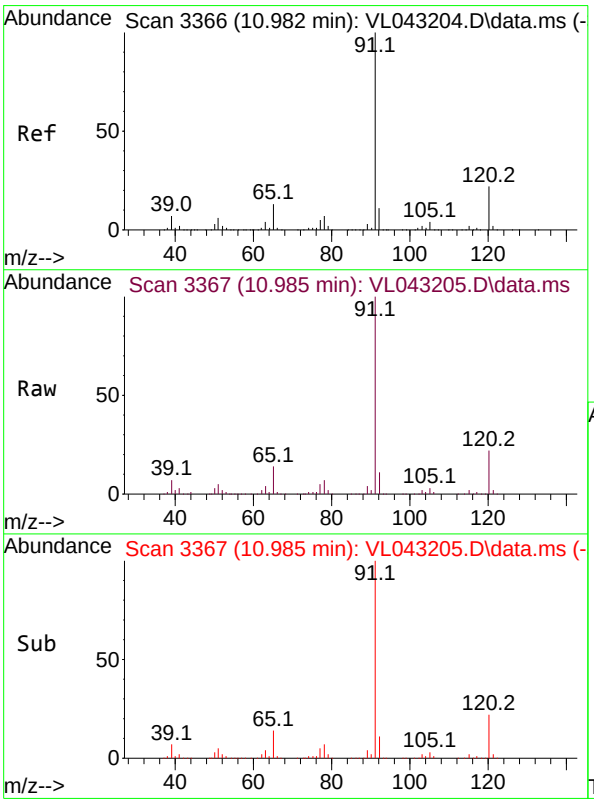
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	63.4	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

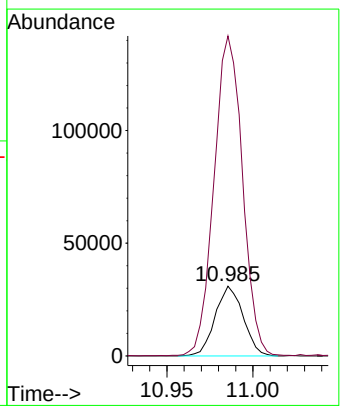
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

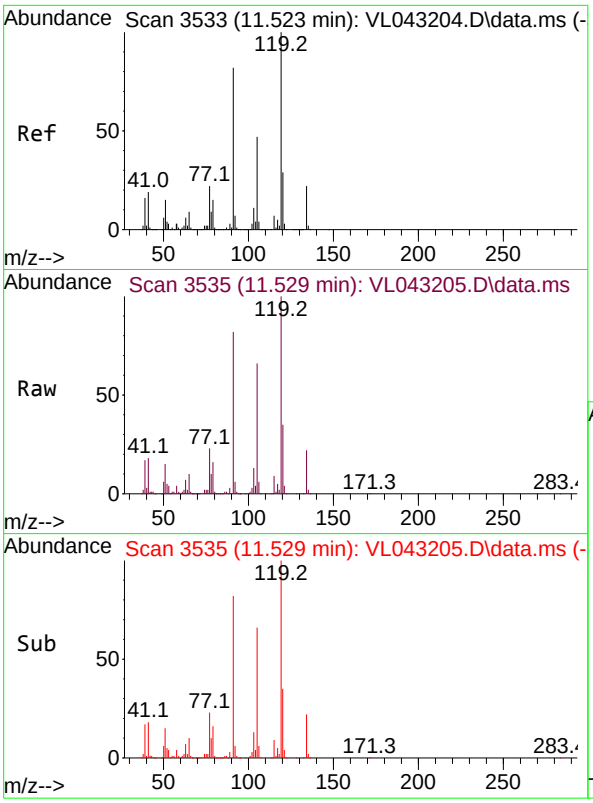


#64
n-propylbenzene
Concen: 2.136 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:120 Resp: 34915

Ion	Ratio	Lower	Upper
120	100		
91	467.6	377.1	565.7

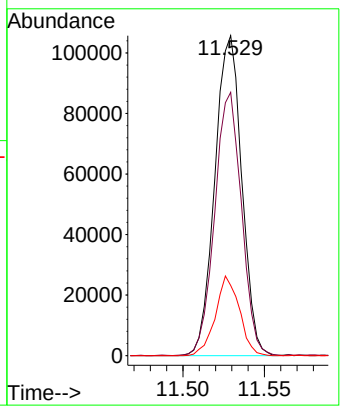




#65
tert-Butylbenzene
Concen: 2.149 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:119 Resp: 12206

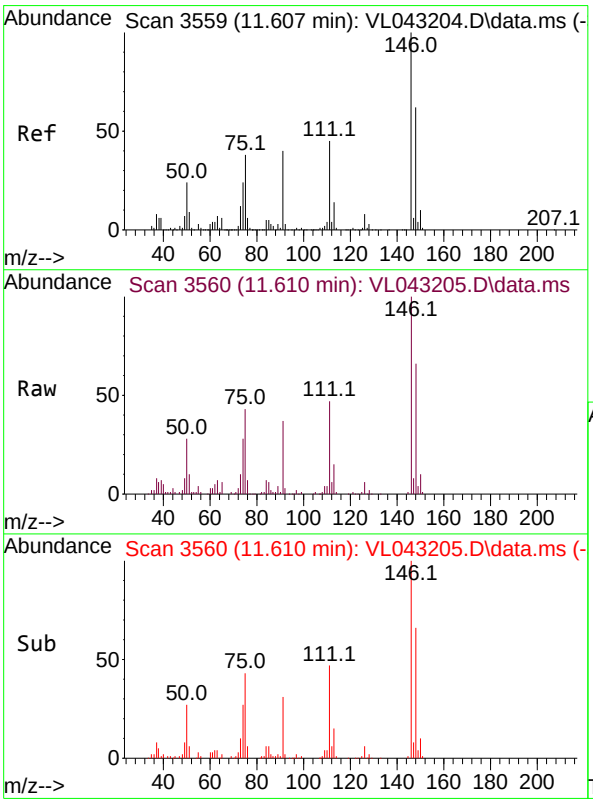
Ion	Ratio	Lower	Upper
119	100		
91	82.0	65.3	97.9
134	22.1	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

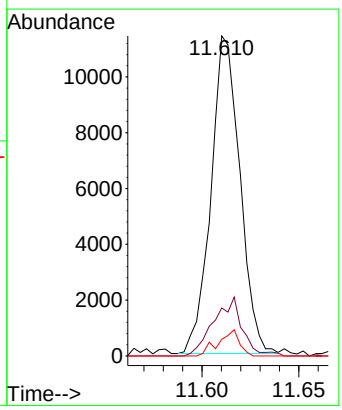
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

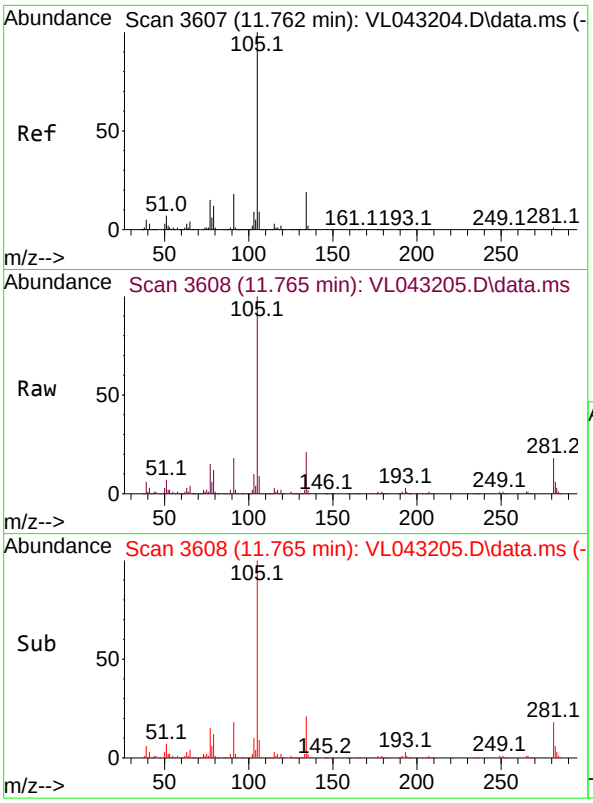


#66
Benzyl Chloride
Concen: 2.059 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 11870

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.4	21.6
128	5.9	4.6	6.8

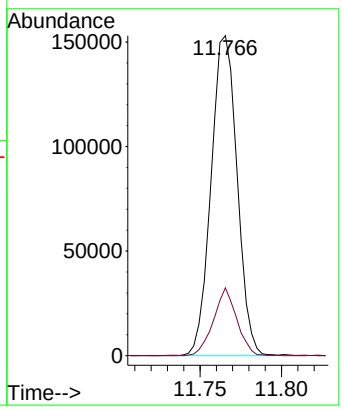




#67
sec-Butylbenzene
Concen: 2.151 ppbv
RT: 11.765 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 17052

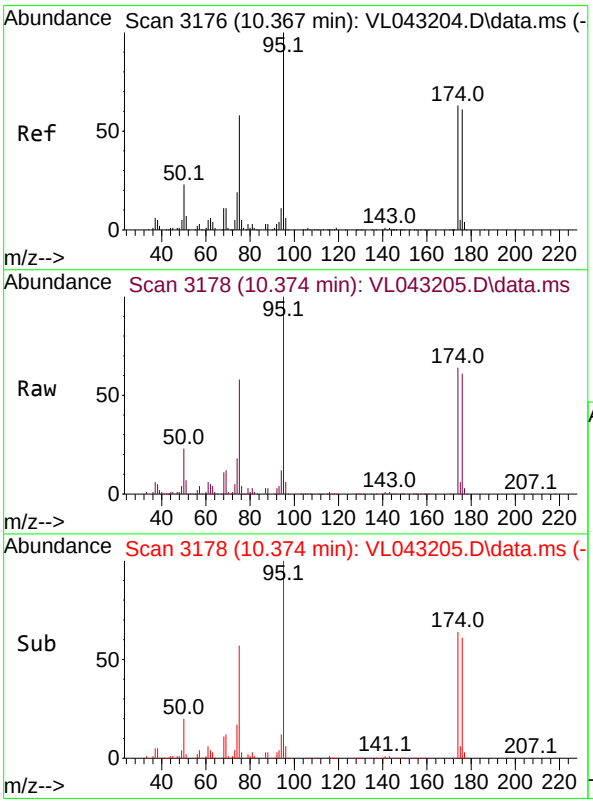
Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

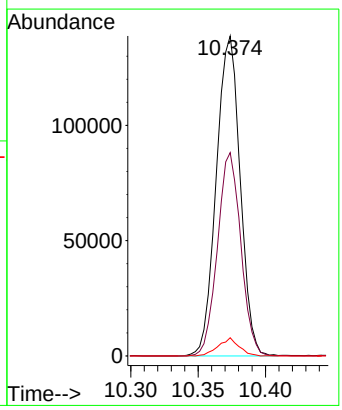
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

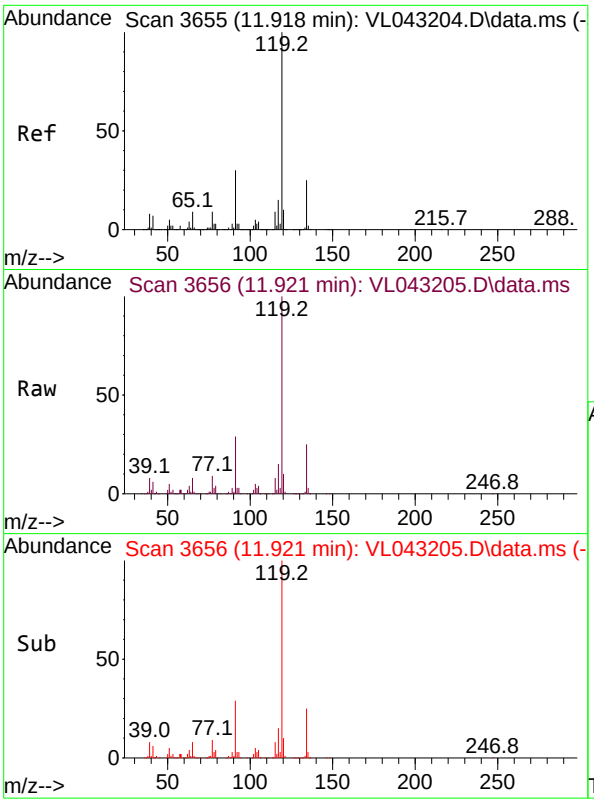


#68
1-Bromo-4-Fluorobenzene
Concen: 10.115 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 95 Resp: 171009

Ion	Ratio	Lower	Upper
95	100		
174	62.1	50.2	75.2
175	4.9	4.1	6.1

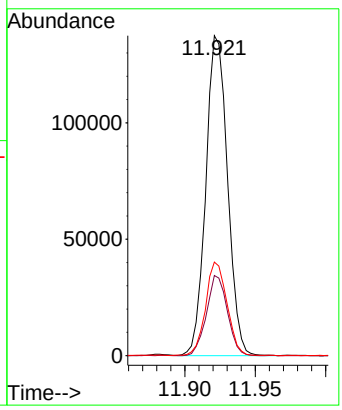




#69
p-Isopropyltoluene
Concen: 2.195 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:119 Resp: 14748

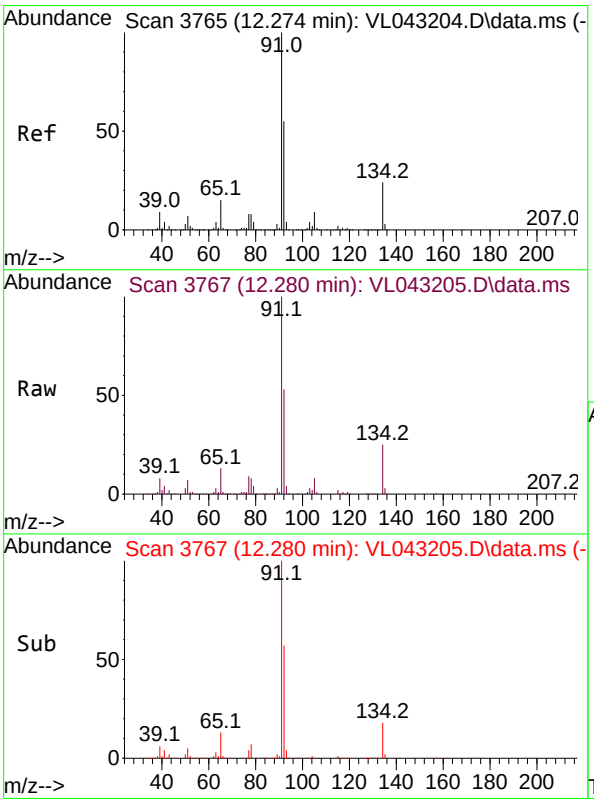
Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.2	30.2
91	29.1	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

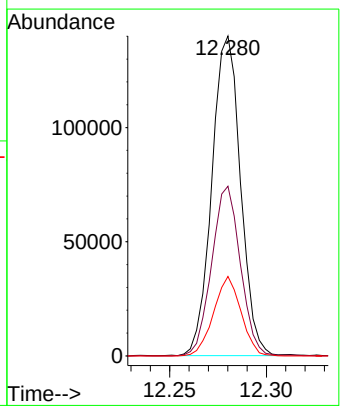
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

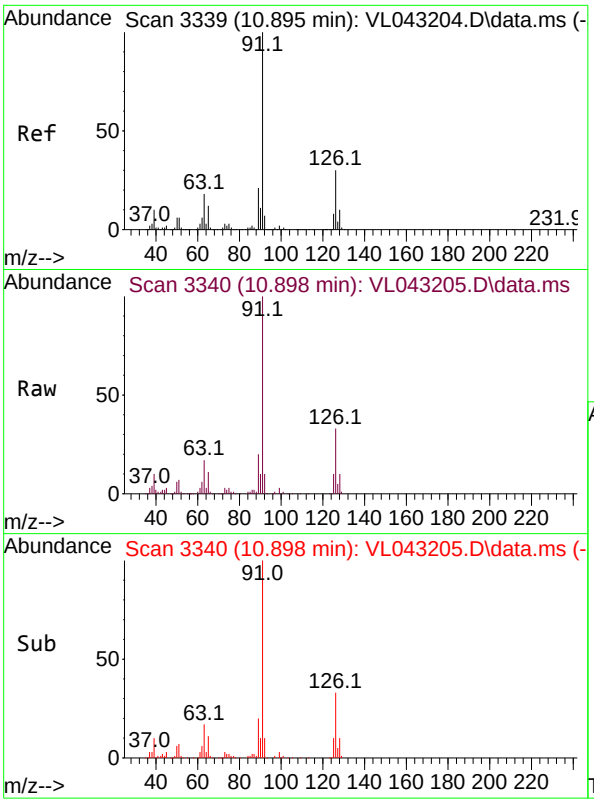


#70
n-Butylbenzene
Concen: 2.212 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 144148

Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.5	65.3
134	23.8	19.0	28.6

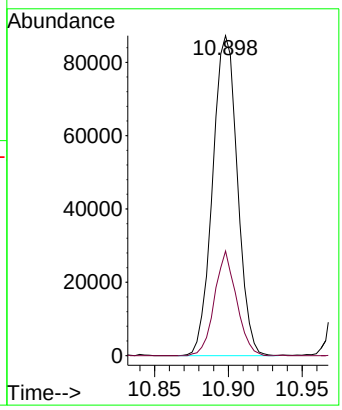




#71
2-Chlorotoluene
Concen: 2.085 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 10195

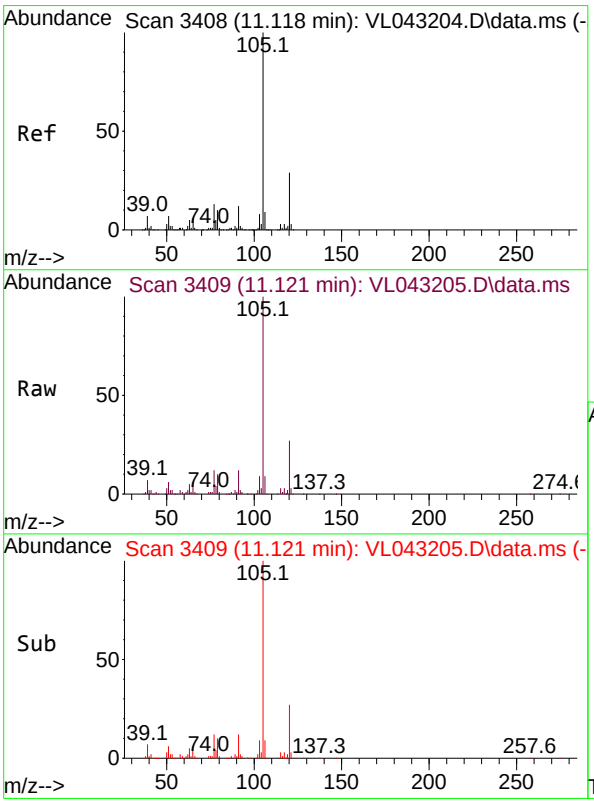
Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

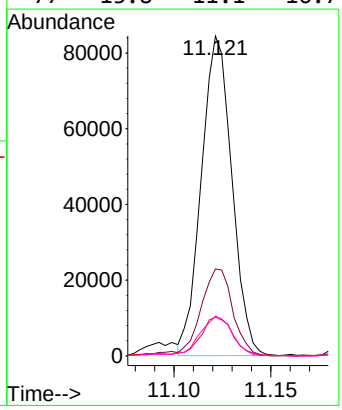
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

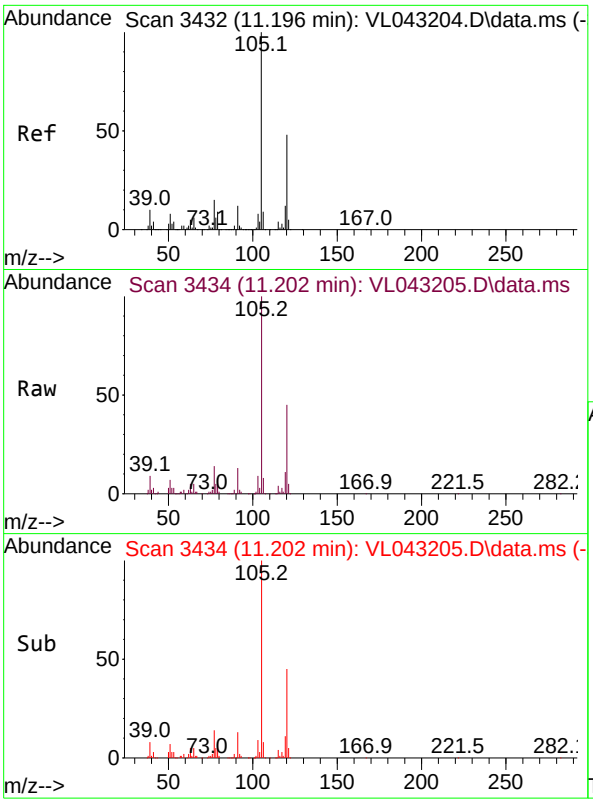


#72
4-Ethyltoluene
Concen: 2.140 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 92654

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.8	35.8
91	13.7	10.3	15.5
77	13.8	11.1	16.7

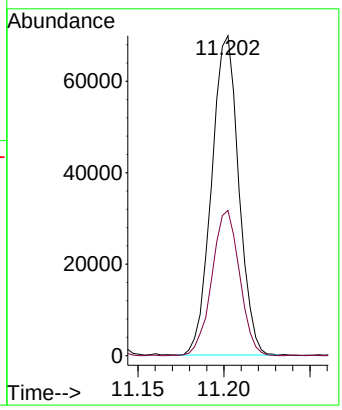




#73
1,3,5-Trimethylbenzene
Concen: 2.110 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 7665

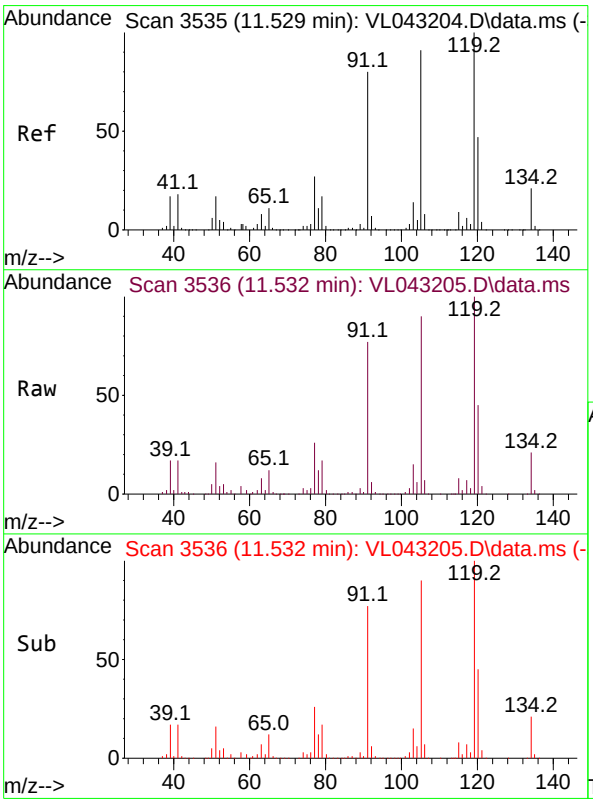
Ion	Ratio	Lower	Upper
105	100		
120	45.5	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

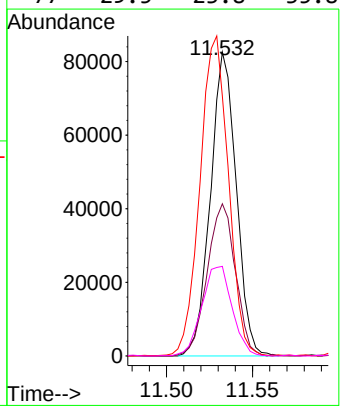
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

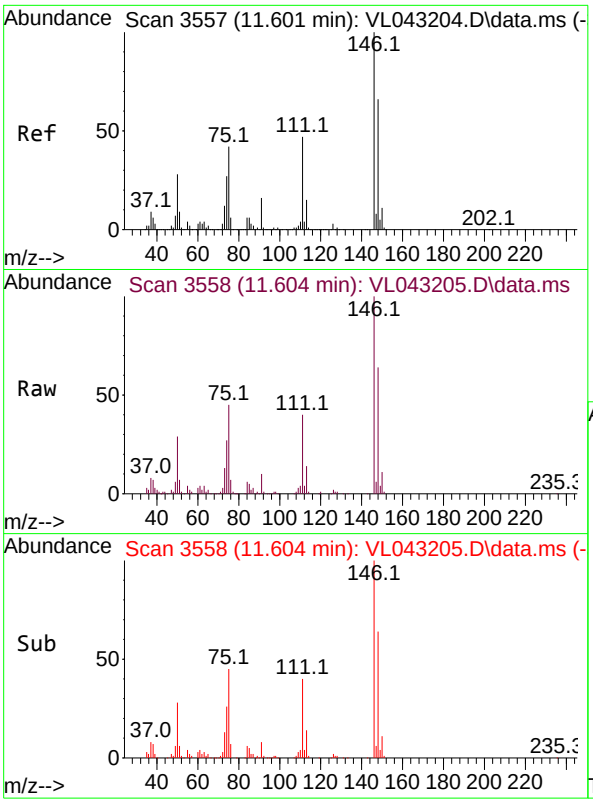


#74
1,2,4-Trimethylbenzene
Concen: 2.176 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 86286

Ion	Ratio	Lower	Upper
105	100		
120	50.0	41.7	62.5
91	85.2	70.0	105.0
77	29.5	23.8	35.8

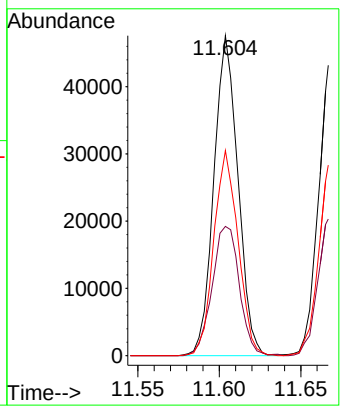




#75
1,3-Dichlorobenzene
Concen: 2.116 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:146 Resp: 4896

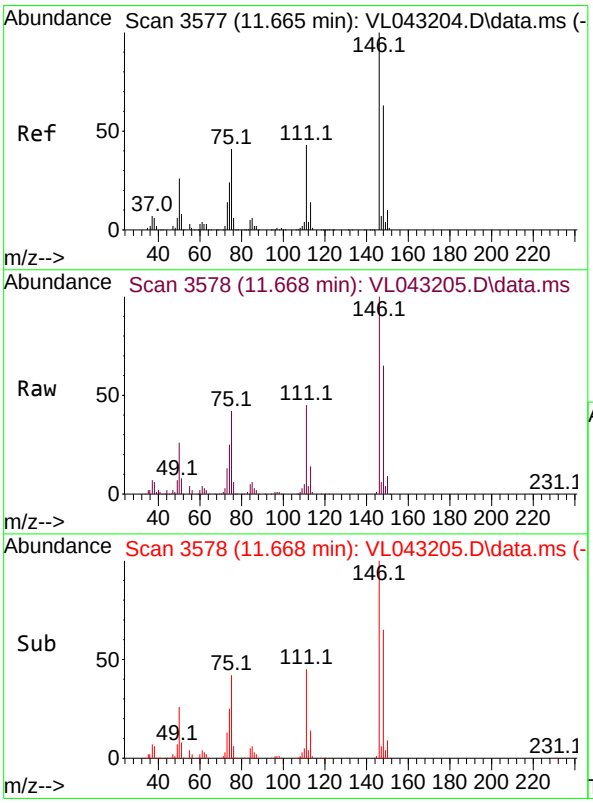
Ion	Ratio	Lower	Upper
146	100		
111	45.7	23.4	70.3
148	64.6	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

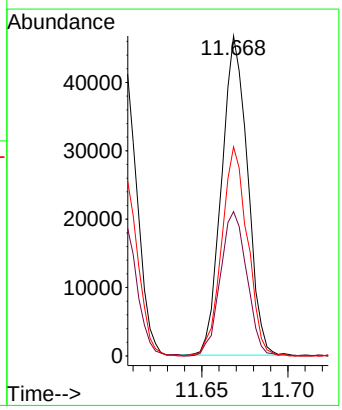
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

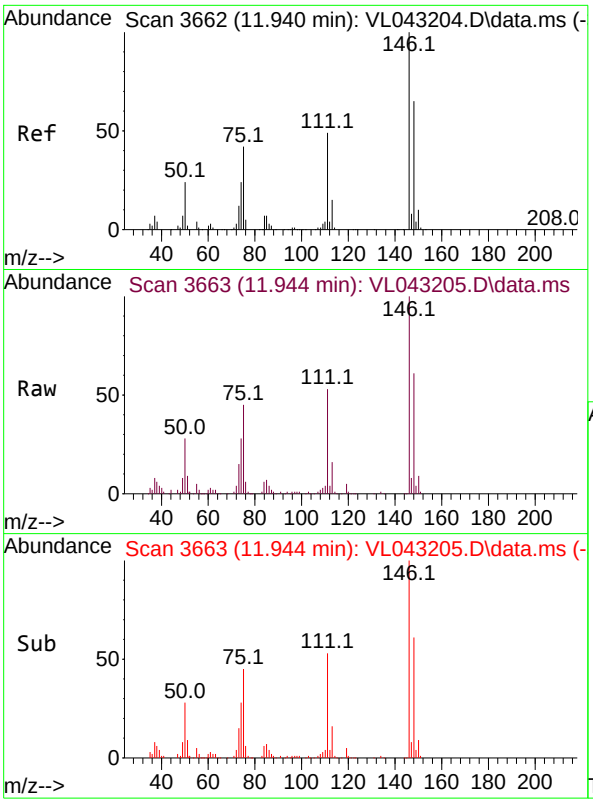


#76
1,4-Dichlorobenzene
Concen: 2.112 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:146 Resp: 48881

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.8	68.3
148	65.3	31.8	95.4

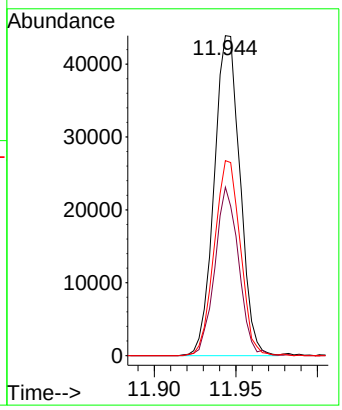




#77
1,2-Dichlorobenzene
Concen: 2.177 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:146 Resp: 4843

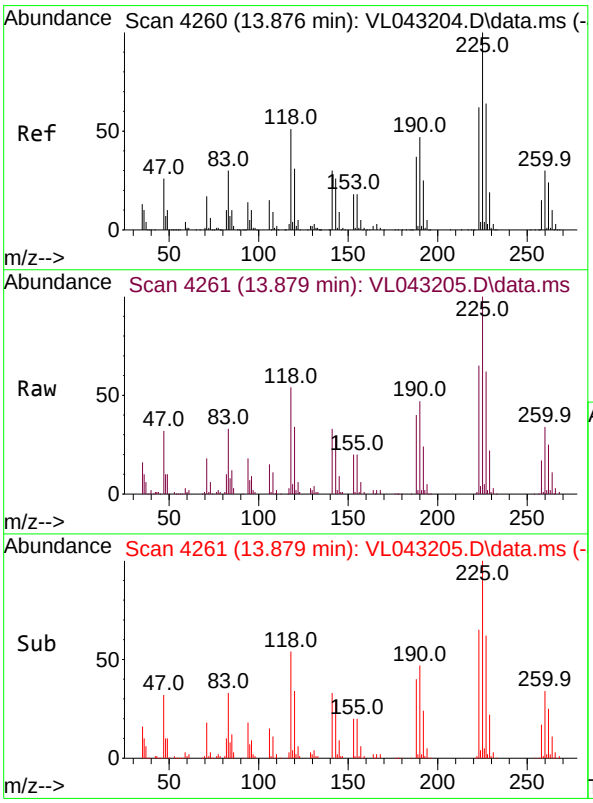
Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.3	73.0
148	61.3	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

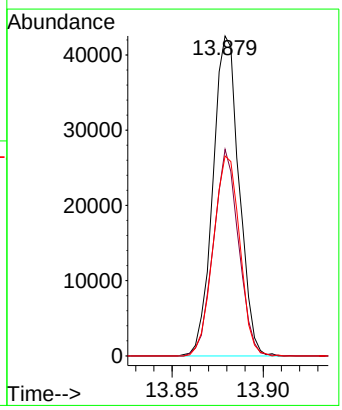
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

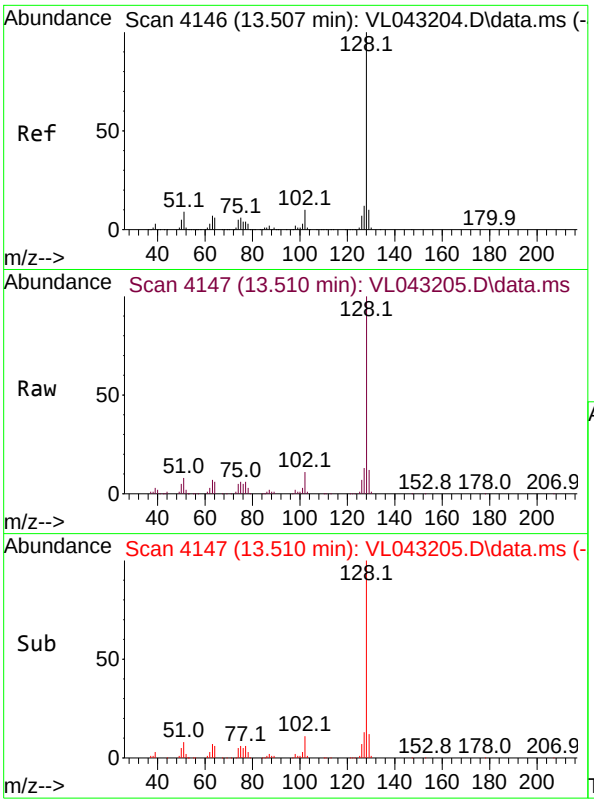


#78
Hexachloro-1,3-Butadiene
Concen: 2.287 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:225 Resp: 42456

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.4
227	63.4	51.1	76.7





#79
Naphthalene
Concen: 2.436 ppbv
RT: 13.510 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

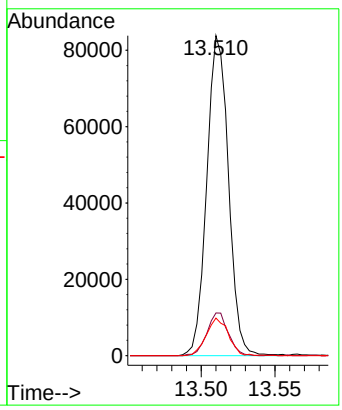
Tgt Ion:128 Resp: 8578

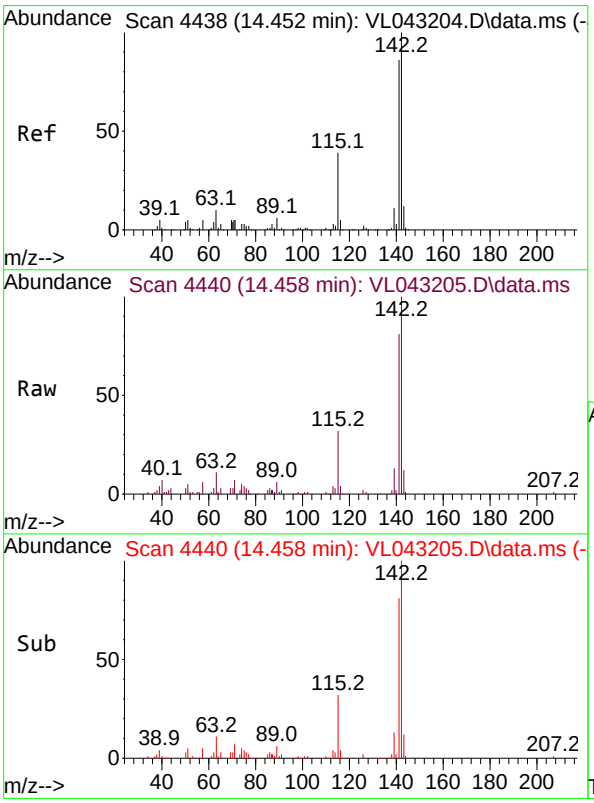
Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.9	14.9
129	11.7	8.4	12.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

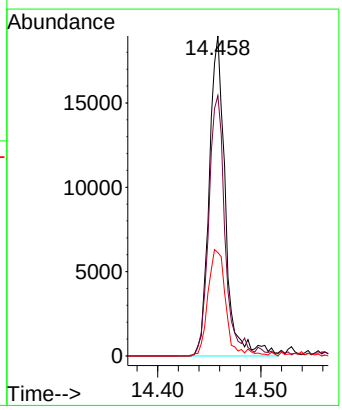


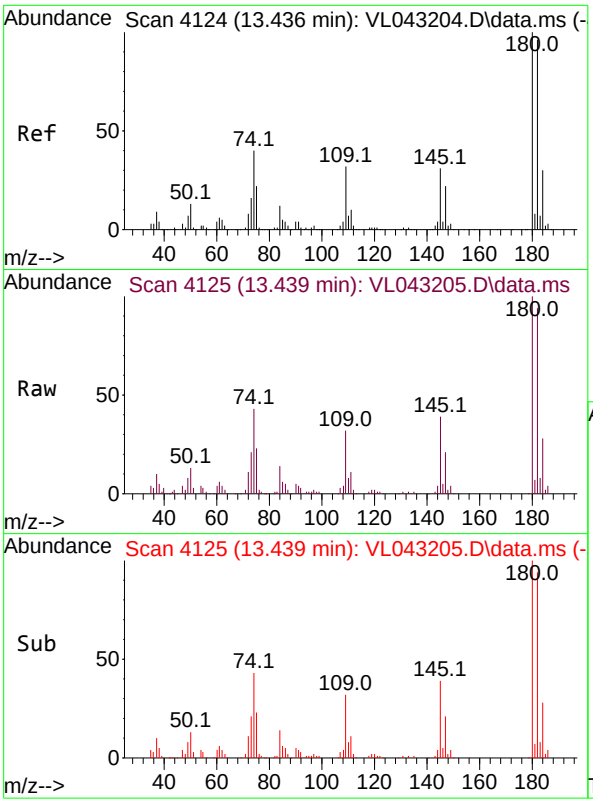


#80
Naphthalene,2-methyl-
Concen: 2.237 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:142 Resp: 20685

Ion	Ratio	Lower	Upper
142	100		
141	82.9	67.1	100.7
115	36.9	31.9	47.9

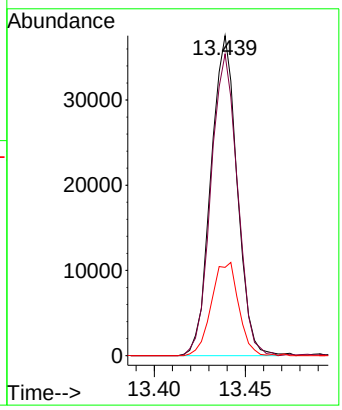




#81
1,2,4-Trichlorobenzene
Concen: 2.382 ppbv
RT: 13.439 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:180 Resp: 3752

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
184	30.4	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043206.D
Acq On : 18 Nov 2025 11:10
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	102795	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	278732	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	227998	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	167061	9.996	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	15474	1.067	ppbv		100
3) Chlorodifluoromethane	1.476	51	14437	1.013	ppbv	#	92
4) Chloromethane	1.531	50	5751	1.061	ppbv		92
5) Vinyl Chloride	1.580	62	5967	1.007	ppbv		95
6) Bromomethane	1.667	94	3104	1.080	ppbv		94
7) Chloroethane	1.706	64	2550	1.104	ppbv		97
8) Dichlorotetrafluoroethane	1.554	85	12759	1.058	ppbv		98
9) Propene	1.483	41	6147	0.929	ppbv	#	1
10) Heptane	4.972	43	18544	1.022	ppbv		100
11) Trichlorofluoromethane	1.877	101	15571	1.108	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.140	101	11743	1.071	ppbv		99
13) Ethanol	1.719	45	2373	1.115	ppbv		67
14) Bromoethene	1.780	108	4345	1.033	ppbv	#	91
15) Acetone	1.835	43	16353	1.145	ppbv		90
16) 1,3-Butadiene	1.609	39	6469	1.016	ppbv		96
17) tert-Butyl alcohol	2.039	59	20703	1.104	ppbv	#	92
18) 1,1-Dichloroethene	2.033	96	5447	1.067	ppbv		97
19) Isopropyl Alcohol	1.884	45	8849	1.097	ppbv	#	43
20) Methylene Chloride	2.059	84	7297	1.030	ppbv		85
21) Allyl Chloride	2.094	41	9198	0.957	ppbv	#	84
22) trans-1,2-Dichloroethene	2.340	96	6313	1.082	ppbv		94
23) Vinyl Acetate	2.460	43	16779	0.973	ppbv		98
24) 1,1-Dichloroethane	2.405	63	12062	1.071	ppbv		94
25) Ethyl Acetate	2.832	43	32108	1.041	ppbv		98
26) Hexane	2.819	57	14639	1.084	ppbv		99
27) Carbon Disulfide	2.149	76	14637	1.062	ppbv	#	30
28) Methyl tert-Butyl Ether	2.441	73	7236	1.092	ppbv	#	83
29) Chloroform	2.845	83	19509	1.016	ppbv		91
30) Cyclohexane	3.852	84	12269	1.084	ppbv		96
31) cis-1,2-Dichloroethene	2.716	61	13889	1.035	ppbv		97
32) 1,1,1-Trichloroethane	3.363	97	20745	1.005	ppbv		99
34) 2-Butanone	2.554	43	20940	1.064	ppbv		96
35) Carbon Tetrachloride	3.758	117	21497	1.016	ppbv		96
36) Benzene	3.648	78	27911	1.046	ppbv		99
37) 1,2-Dichloroethane	3.214	62	16159	1.035	ppbv		99
38) Trichloroethene	4.538	130	10809m	1.033	ppbv		
39) 1,2-Dichloropropane	4.311	63	10147	1.039	ppbv		91
40) 1,4-Dioxane	4.577	88	4616m	1.051	ppbv		
41) Tetrahydrofuran	3.052	42	11176	1.029	ppbv		96
42) Bromodichloromethane	4.480	83	22150	1.028	ppbv	#	98
43) Methyl Methacrylate	4.871	69	14821	1.046	ppbv		94
44) 2,2,4-Trimethylpentane	4.632	57	49203m	1.073	ppbv		
45) t-1,3-Dichloropropene	6.402	75	13149m	0.996	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043206.D
Acq On : 18 Nov 2025 11:10
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	15527	1.001	ppbv	#	95
47) 1,1,2-Trichloroethane	6.577	97	10369	0.995	ppbv	#	85
48) Dibromochloromethane	7.377	129	18560	1.041	ppbv		93
49) Bromoform	9.477	173	15858	1.004	ppbv		98
50) 4-Methyl-2-Pentanone	5.745	43	29560	1.067	ppbv		99
51) 2-Hexanone	7.428	43	22438	1.043	ppbv	#	98
52) Tetrachloroethene	8.215	164	10080	1.015	ppbv		90
53) Toluene	6.923	91	32951	1.036	ppbv		100
54) 1,2-Dibromoethane	7.645	107	15865	1.040	ppbv		97
56) 1,1,1,2-Tetrachloroethane	8.917	131	17535	1.046	ppbv		99
57) Chlorobenzene	8.914	112	24806	1.060	ppbv		98
58) Ethyl Benzene	9.344	91	46455	1.059	ppbv		96
59) m/p-Xylene	9.545	91	73461m	2.080	ppbv		
60) o-Xylene	9.956	91	37054	1.054	ppbv		97
61) Styrene	9.866	104	15730	1.023	ppbv		95
62) Isopropylbenzene	10.532	105	67163	1.068	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.956	83	23083	1.035	ppbv		97
64) n-propylbenzene	10.985	120	17289	1.070	ppbv		100
65) tert-Butylbenzene	11.526	119	61258	1.091	ppbv		99
66) Benzyl Chloride	11.610	91	5729	1.005	ppbv		96
67) sec-Butylbenzene	11.762	105	84989	1.084	ppbv		99
69) p-Isopropyltoluene	11.921	119	69993	1.054	ppbv		99
70) n-Butylbenzene	12.277	91	69323	1.076	ppbv		99
71) 2-Chlorotoluene	10.895	91	51452	1.065	ppbv		100
72) 4-Ethyltoluene	11.118	105	44403	1.037	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	38350	1.068	ppbv		91
74) 1,2,4-Trimethylbenzene	11.532	105	42051	1.073	ppbv	#	81
75) 1,3-Dichlorobenzene	11.600	146	24011	1.050	ppbv		98
76) 1,4-Dichlorobenzene	11.665	146	23543	1.029	ppbv		97
77) 1,2-Dichlorobenzene	11.940	146	24248	1.103	ppbv		98
78) Hexachloro-1,3-Butadiene	13.879	225	20489	1.116	ppbv		99
79) Naphthalene	13.507	128	36462	1.047	ppbv		95
80) Naphthalene,2-methyl-	14.455	142	7375	0.807	ppbv		95
81) 1,2,4-Trichlorobenzene	13.436	180	15785	1.014	ppbv		98

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

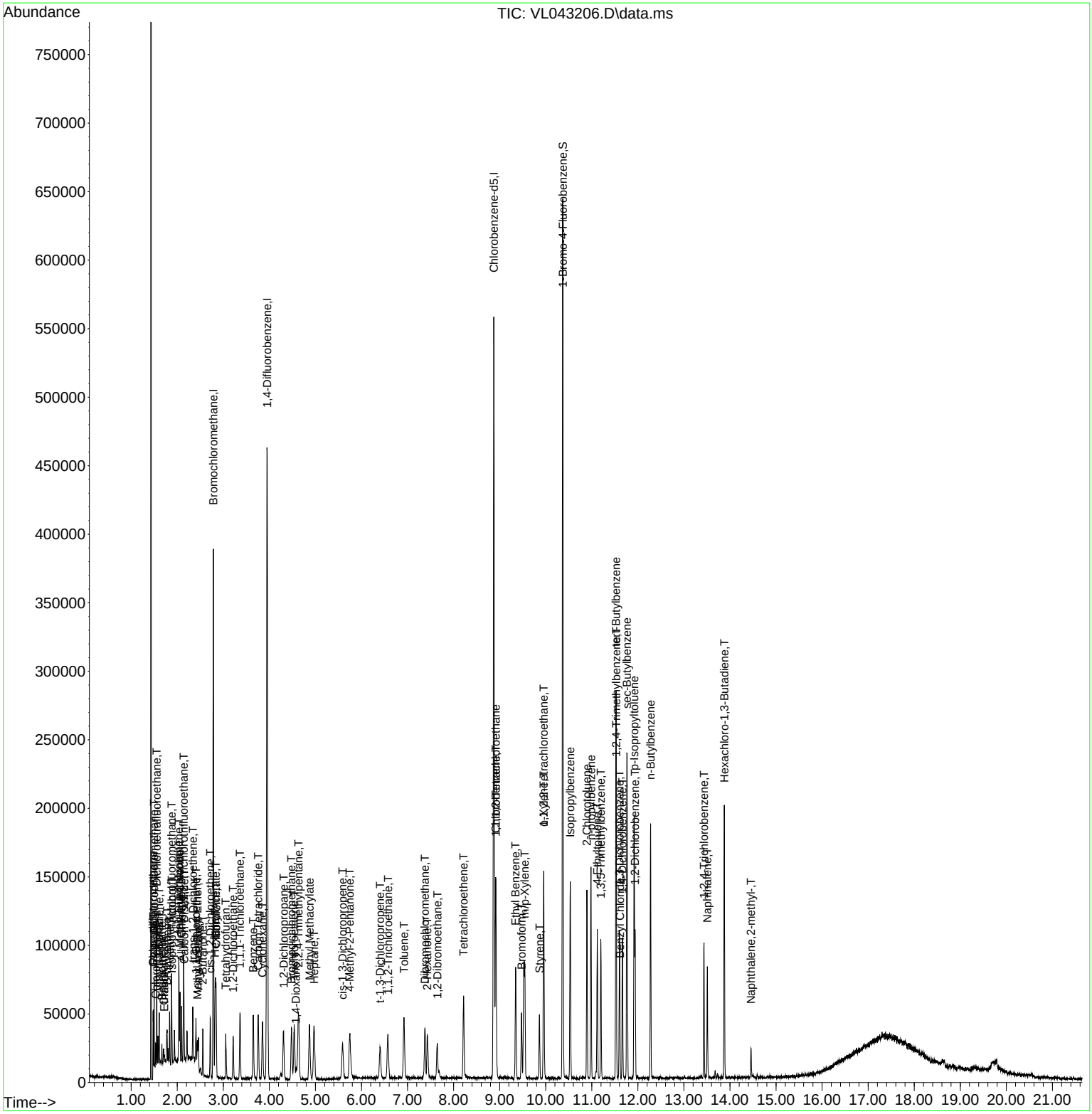
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043206.D
Acq On : 18 Nov 2025 11:10
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

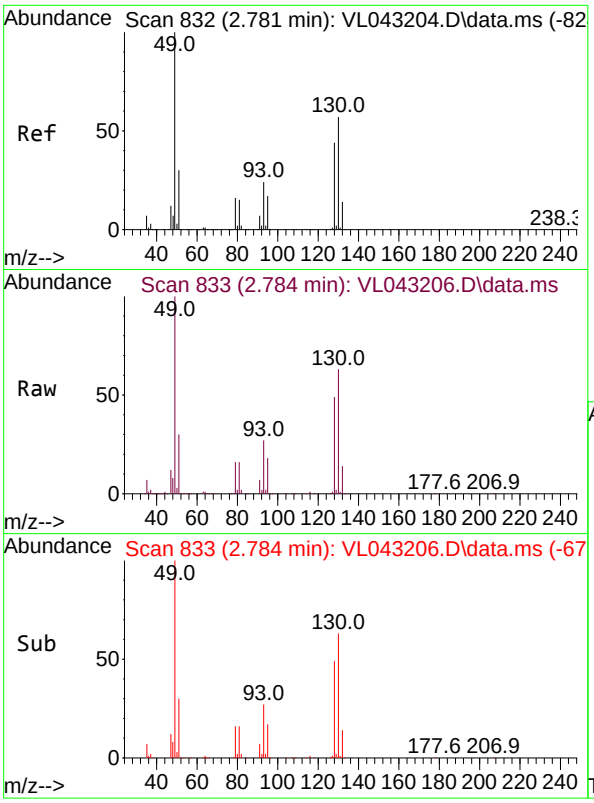
Quant Time: Nov 19 00:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

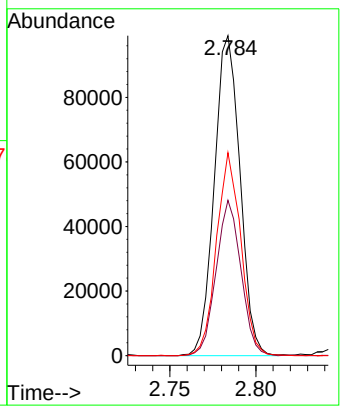




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 49 Resp: 10279

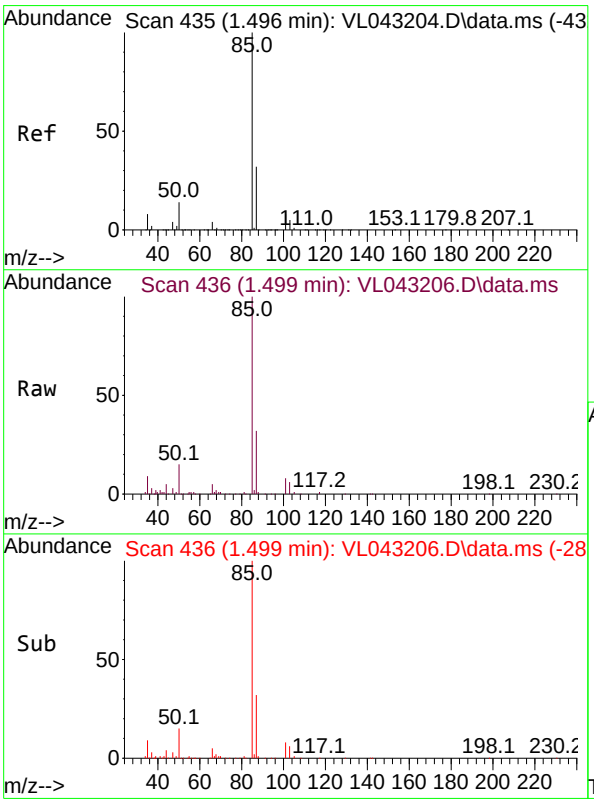
Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.0	69.0
130	60.1	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

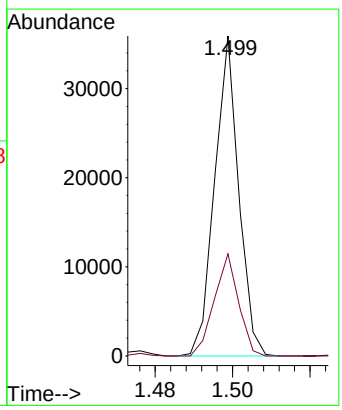
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

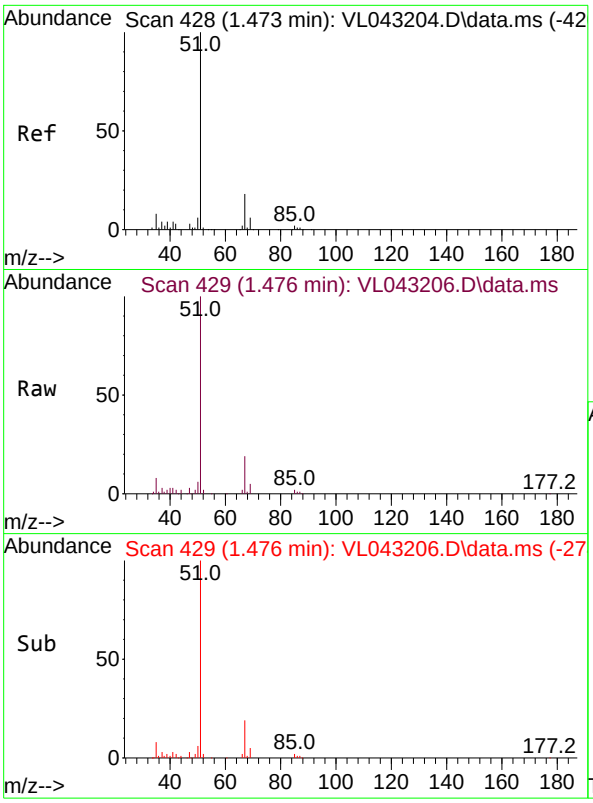


#2
Dichlorodifluoromethane
Concen: 1.067 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 85 Resp: 15474

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.4	38.2

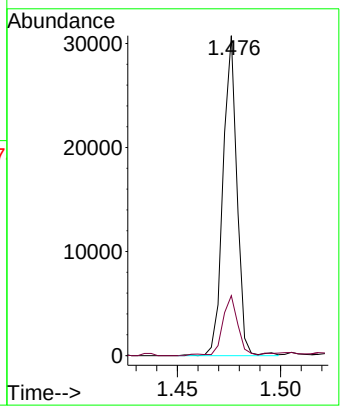




#3
Chlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 51 Resp: 1443

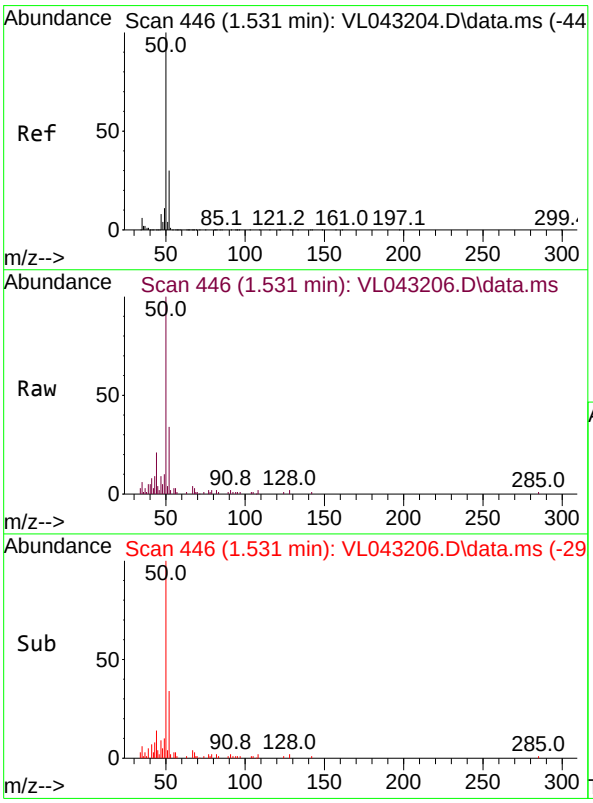
Ion	Ratio	Lower	Upper
51	100		
67	22.3	14.9	22.3#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

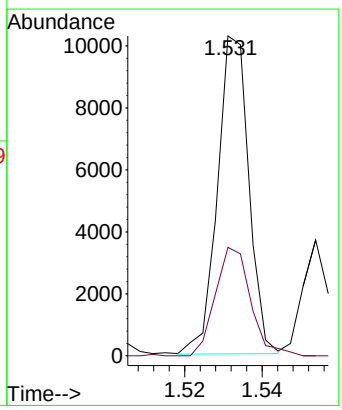
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

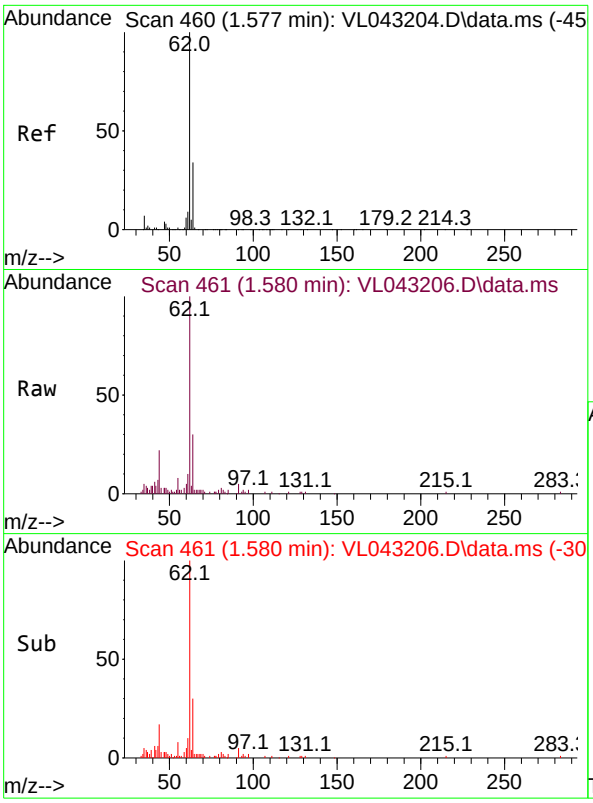


#4
Chloromethane
Concen: 1.061 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 50 Resp: 5751

Ion	Ratio	Lower	Upper
50	100		
52	34.2	24.1	36.1

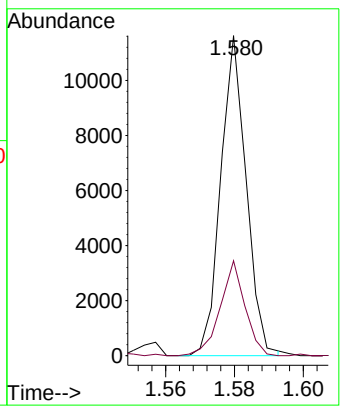




#5
Vinyl Chloride
Concen: 1.007 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 62 Resp: 596

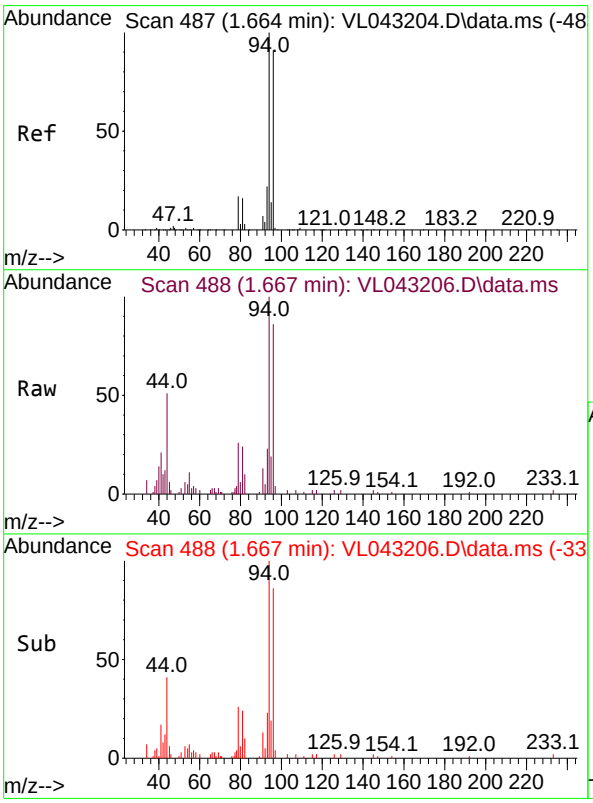
Ion	Ratio	Lower	Upper
62	100		
64	31.3	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

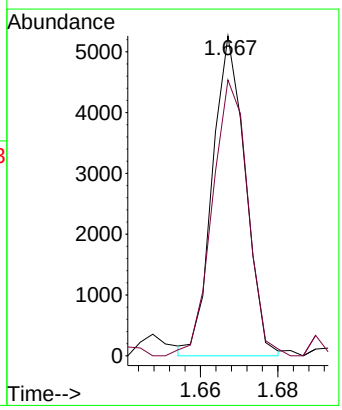
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

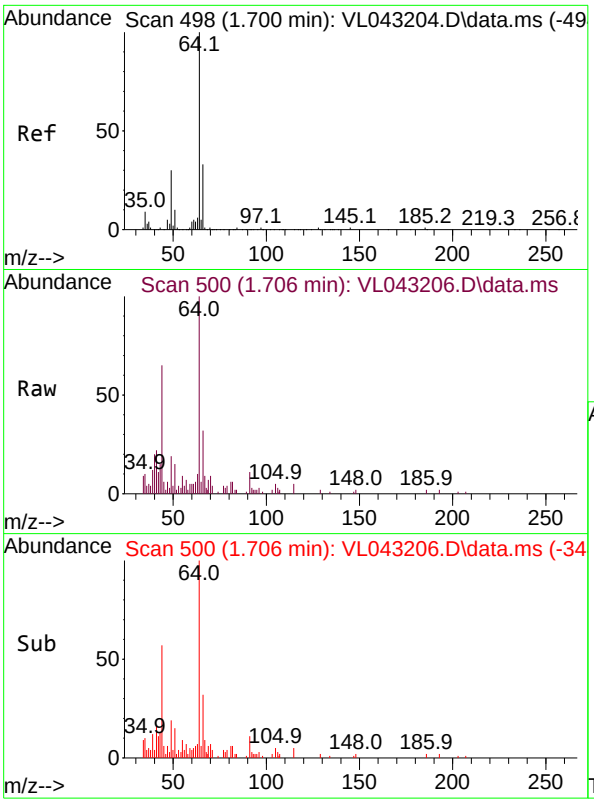


#6
Bromomethane
Concen: 1.080 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 94 Resp: 3104

Ion	Ratio	Lower	Upper
94	100		
96	85.7	72.9	109.3

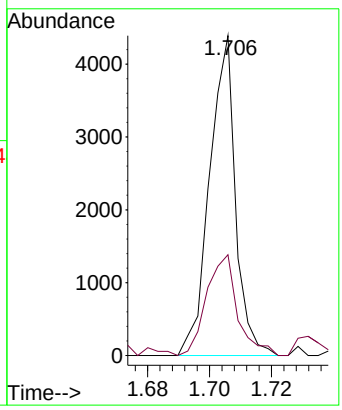




#7
Chloroethane
Concen: 1.104 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 64 Resp: 255

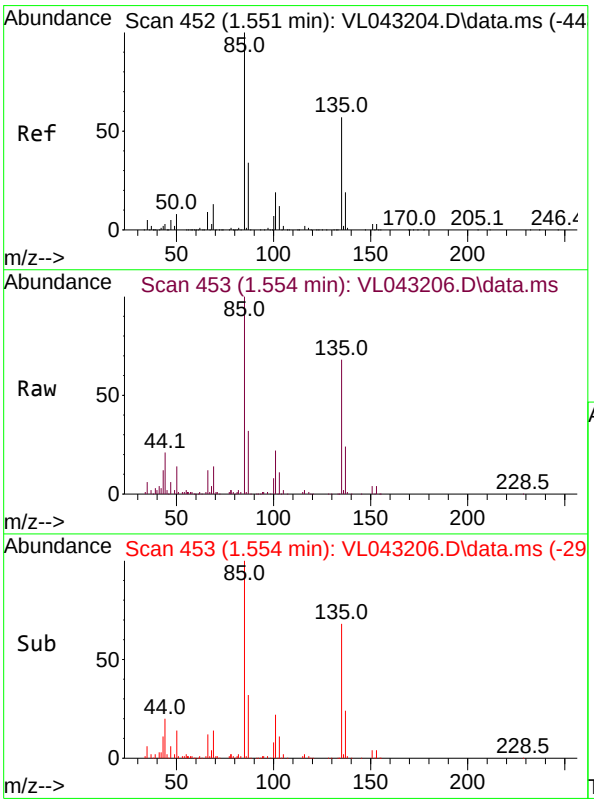
Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

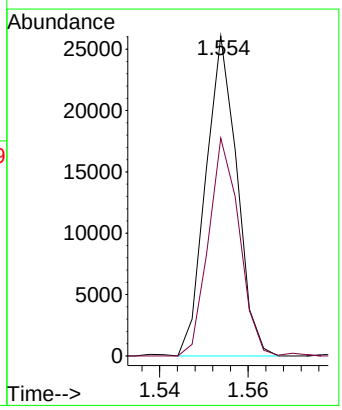
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

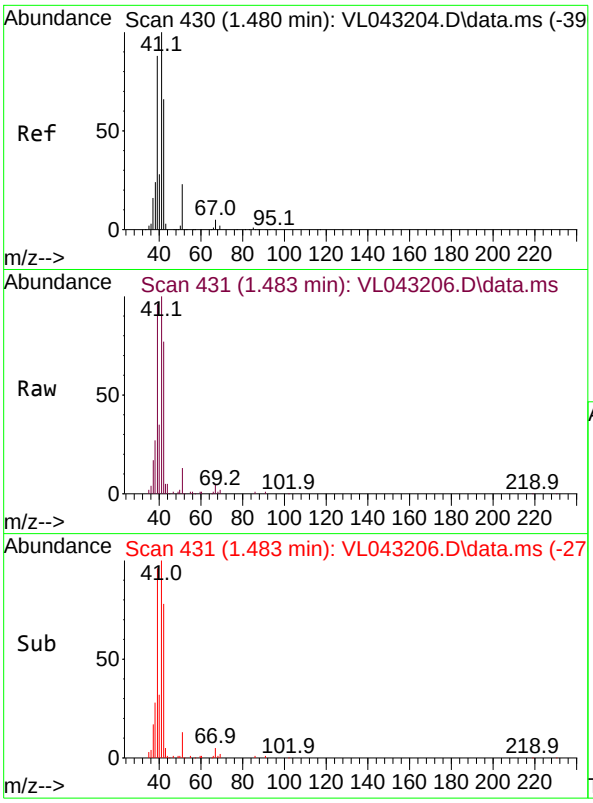


#8
Dichlorotetrafluoroethane
Concen: 1.058 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 85 Resp: 12759

Ion	Ratio	Lower	Upper
85	100		
135	67.7	52.6	79.0





#9
Propene
Concen: 0.929 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

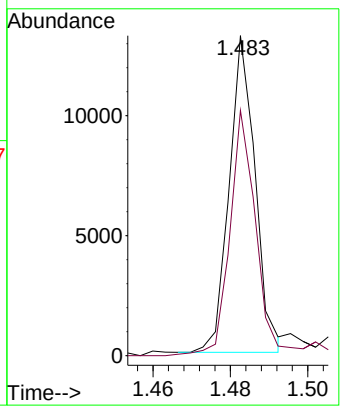
Tgt Ion: 41 Resp: 614

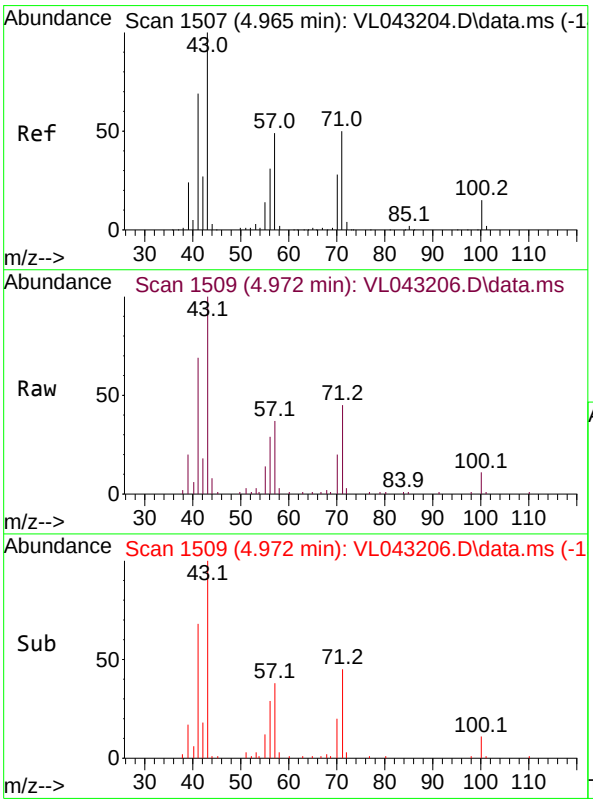
Ion	Ratio	Lower	Upper
41	100		
42	80.0	3.7	5.5#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

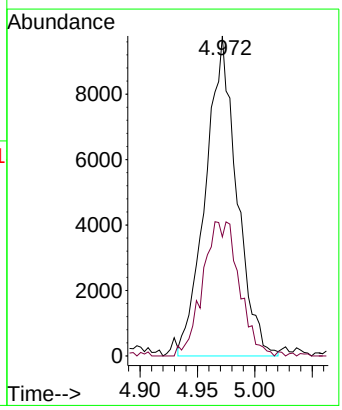


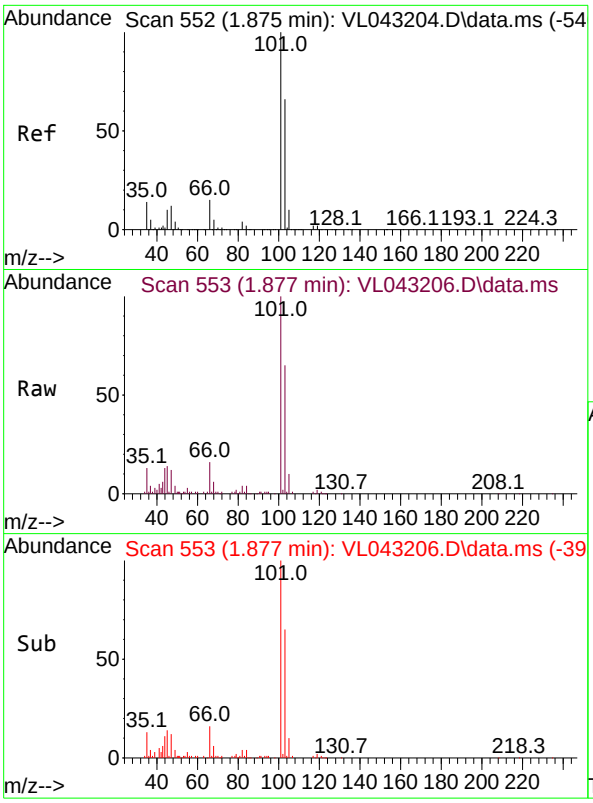


#10
Heptane
Concen: 1.022 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 18544

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.7	59.5

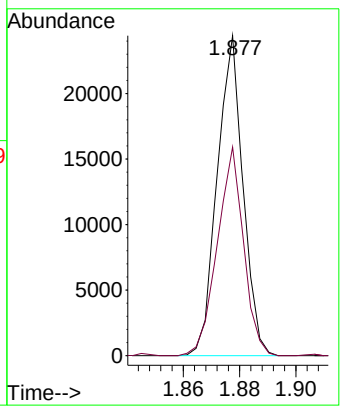




#11
Trichlorofluoromethane
Concen: 1.108 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:101 Resp: 1557

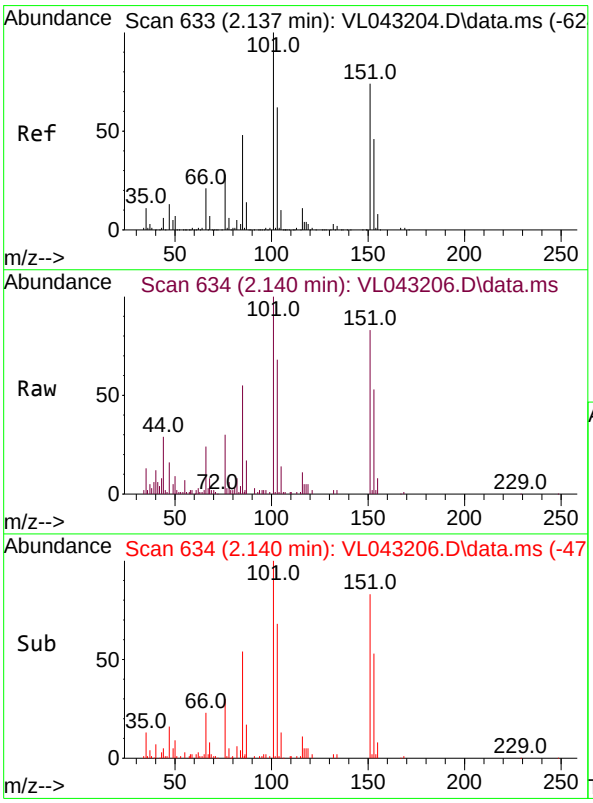
Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.6	79.0



Instrument :
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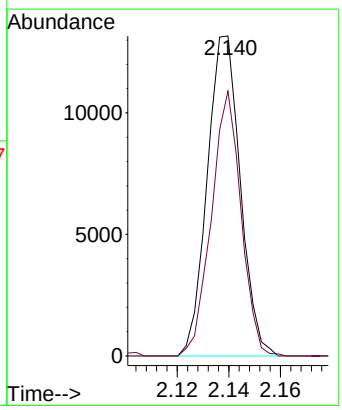
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

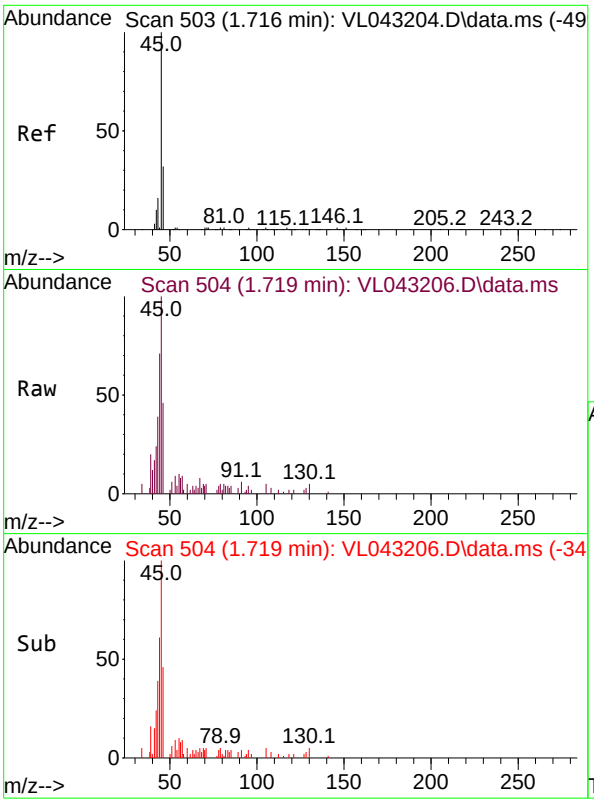


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.071 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:101 Resp: 11743

Ion	Ratio	Lower	Upper
101	100		
151	74.6	59.2	88.8

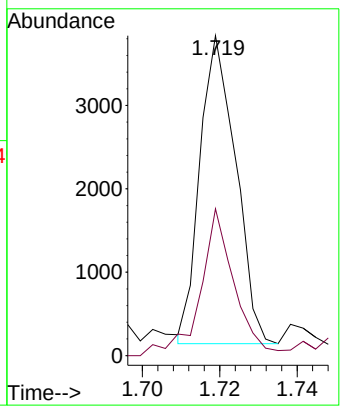




#13
Ethanol
Concen: 1.115 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 45 Resp: 237

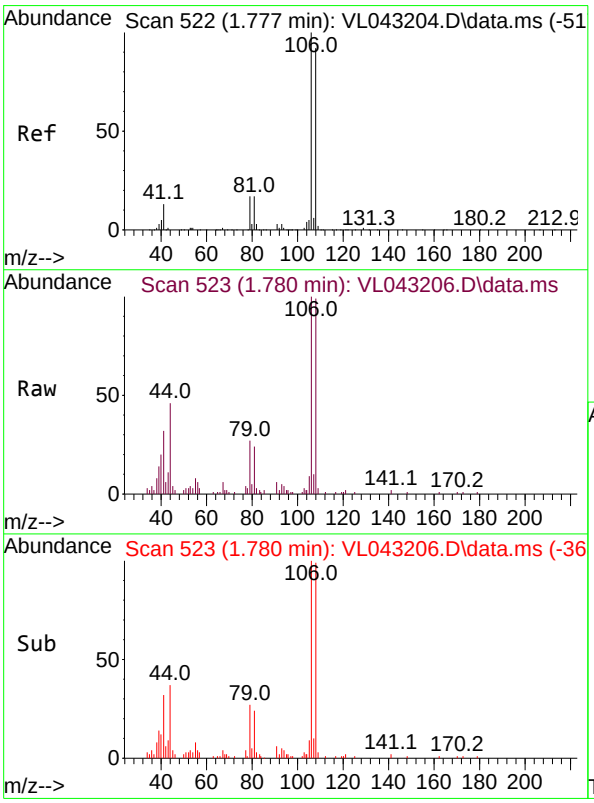
Ion	Ratio	Lower	Upper
45	100		
46	57.0	15.0	59.8



Instrument :
MSVOA_L
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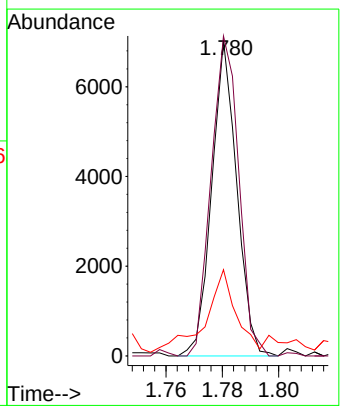
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

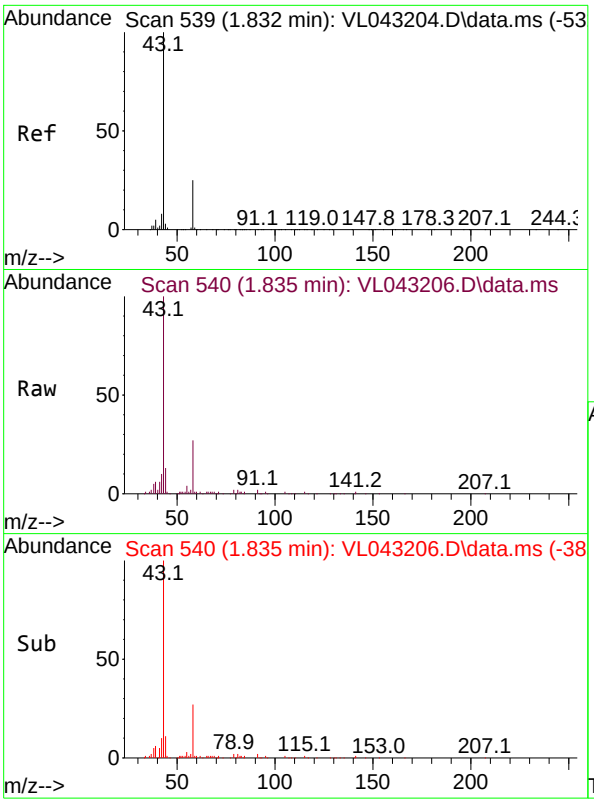


#14
Bromoethene
Concen: 1.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:108 Resp: 4345

Ion	Ratio	Lower	Upper
108	100		
106	114.0	88.9	133.3
79	39.2	16.5	24.7#

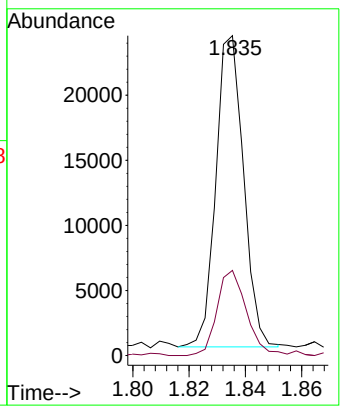




#15
Acetone
Concen: 1.145 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 1635

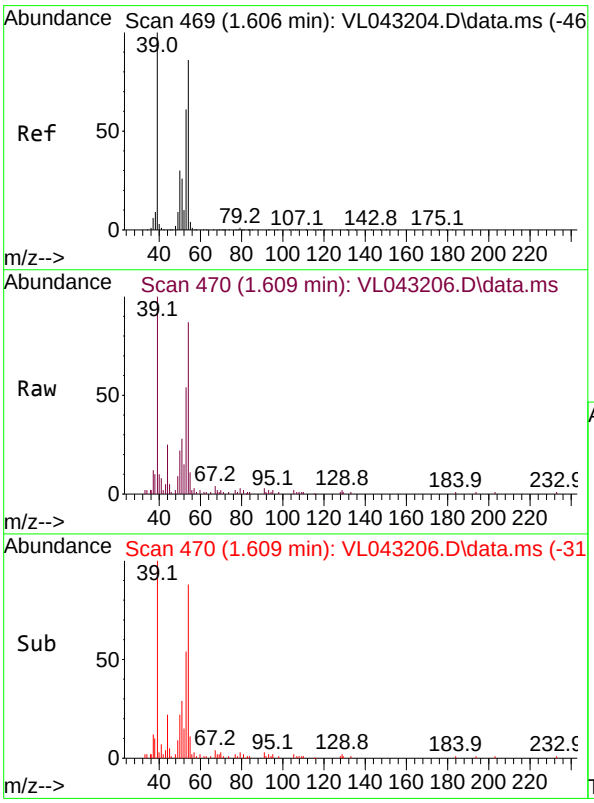
Ion	Ratio	Lower	Upper
43	100		
58	30.9	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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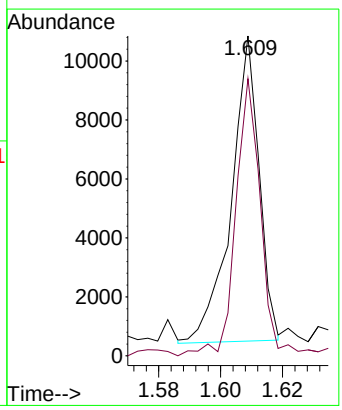
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

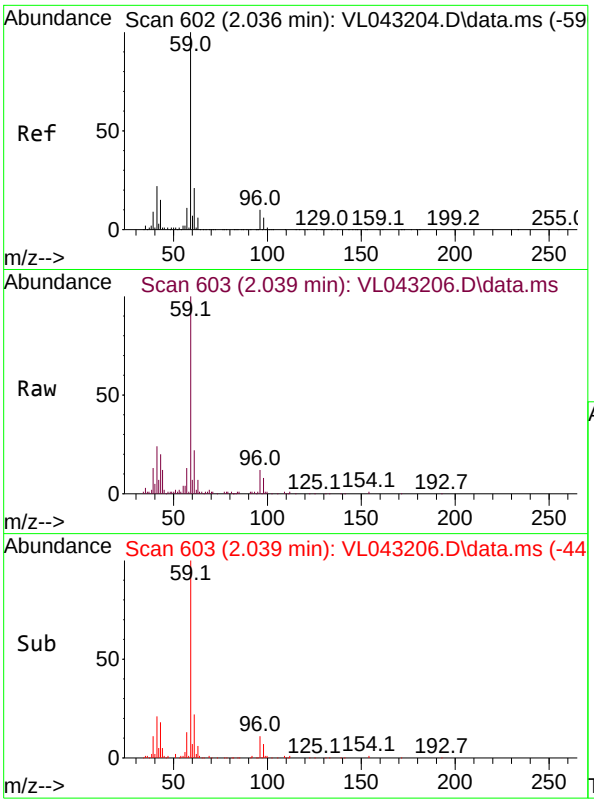


#16
1,3-Butadiene
Concen: 1.016 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 39 Resp: 6469

Ion	Ratio	Lower	Upper
39	100		
54	77.8	59.4	89.2





#17
tert-Butyl alcohol
Concen: 1.104 ppbv
RT: 2.039 min Scan# 6(
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

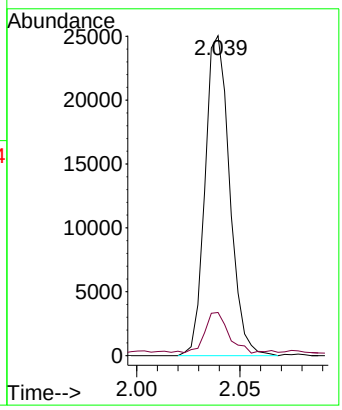
Tgt Ion: 59 Resp: 2070

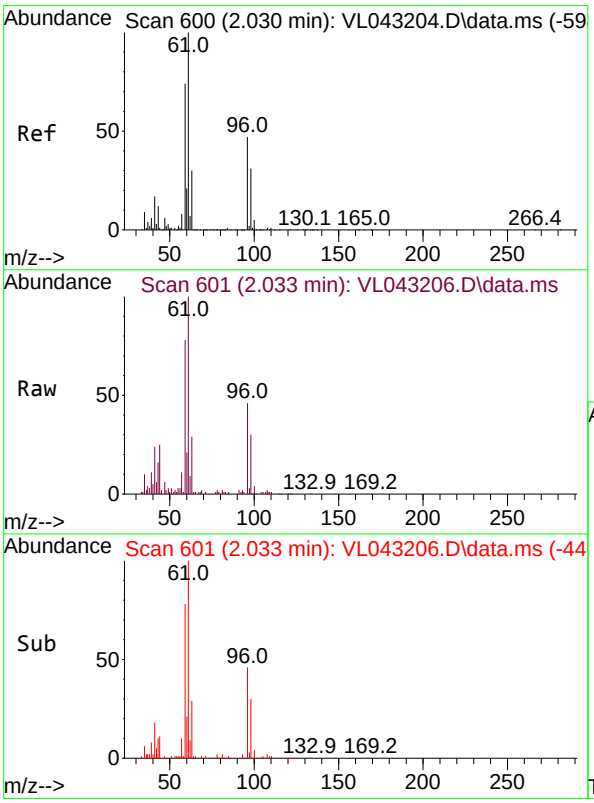
Ion	Ratio	Lower	Upper
59	100		
57	14.1	9.0	13.4

Instrument :
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ClientSampleId :
VSTDICC001

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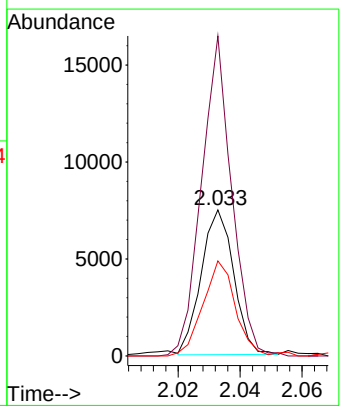


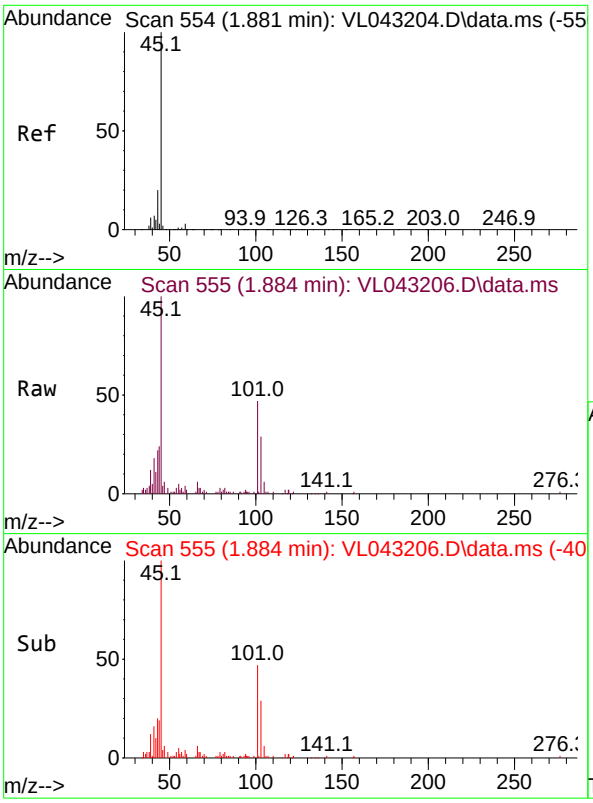


#18
1,1-Dichloroethene
Concen: 1.067 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 96 Resp: 5447

Ion	Ratio	Lower	Upper
96	100		
61	219.3	170.6	255.8
98	63.7	52.2	78.4

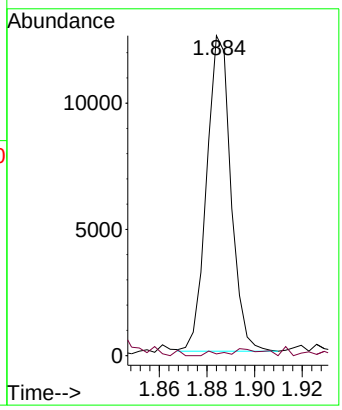




#19
Isopropyl Alcohol
Concen: 1.097 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 45 Resp: 884

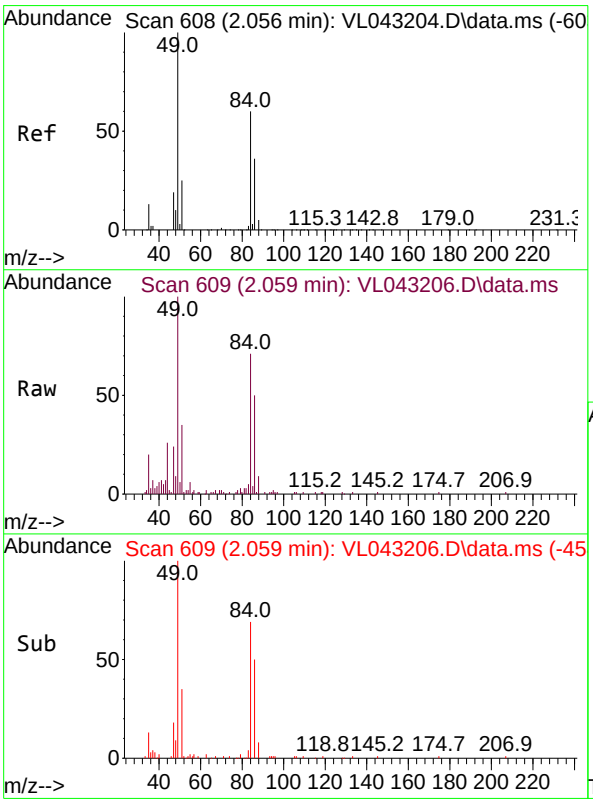
Ion	Ratio	Lower	Upper
45	100		
58	4.0	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

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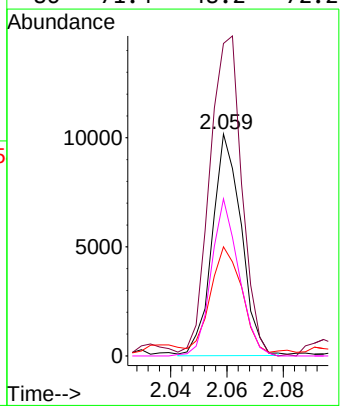
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

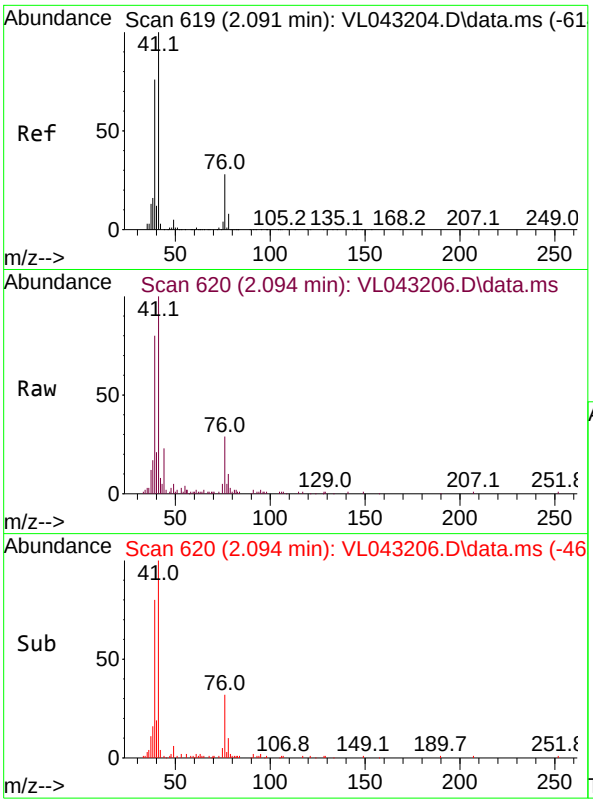


#20
Methylene Chloride
Concen: 1.030 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 7297

Ion	Ratio	Lower	Upper
84	100		
49	142.0	132.9	199.3
51	47.3	34.8	52.2
86	71.4	48.2	72.2





#21
Allyl Chloride
Concen: 0.957 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

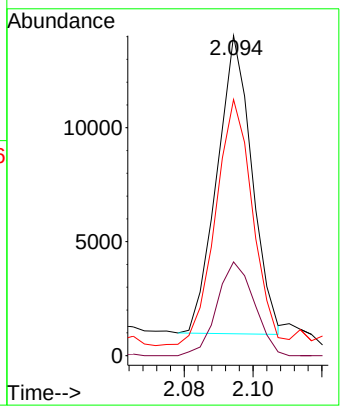
Tgt Ion: 41 Resp: 919

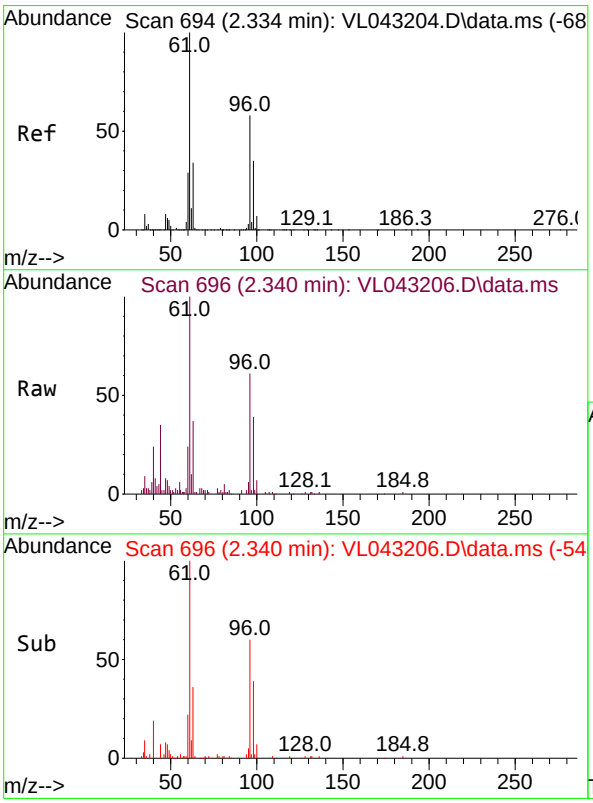
Ion	Ratio	Lower	Upper
41	100		
76	33.5	22.1	33.1#
39	91.7	61.0	91.4#

Instrument :
MSVOA_L
ClientSampleId :
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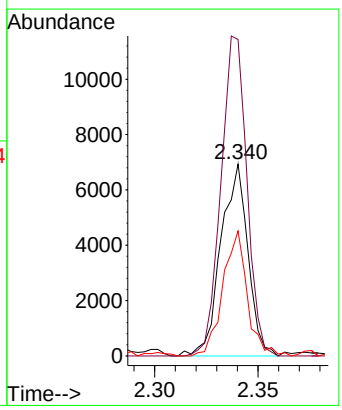


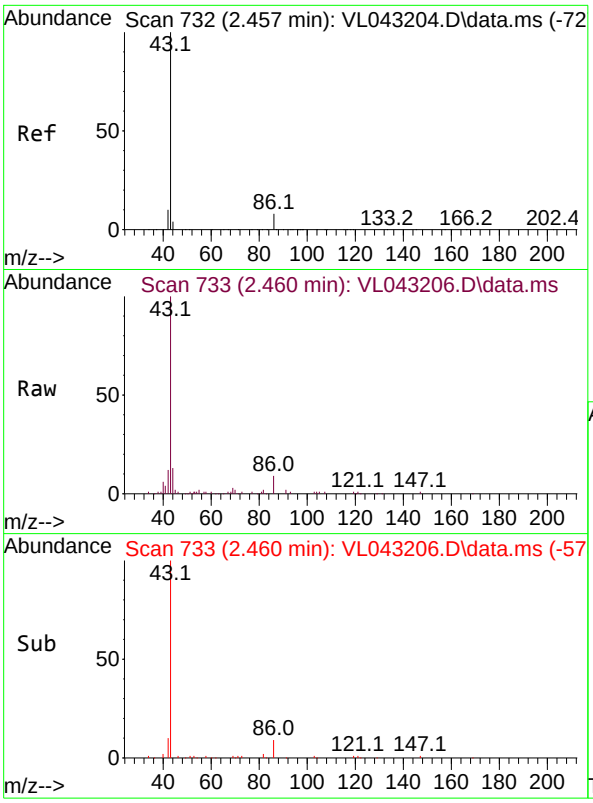


#22
trans-1,2-Dichloroethene
Concen: 1.082 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 96 Resp: 6313

Ion	Ratio	Lower	Upper
96	100		
61	165.0	139.0	208.6
98	65.1	49.4	74.2

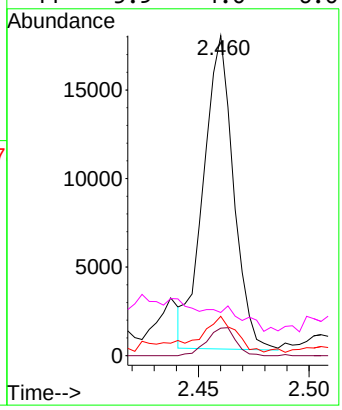




#23
Vinyl Acetate
Concen: 0.973 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 1677

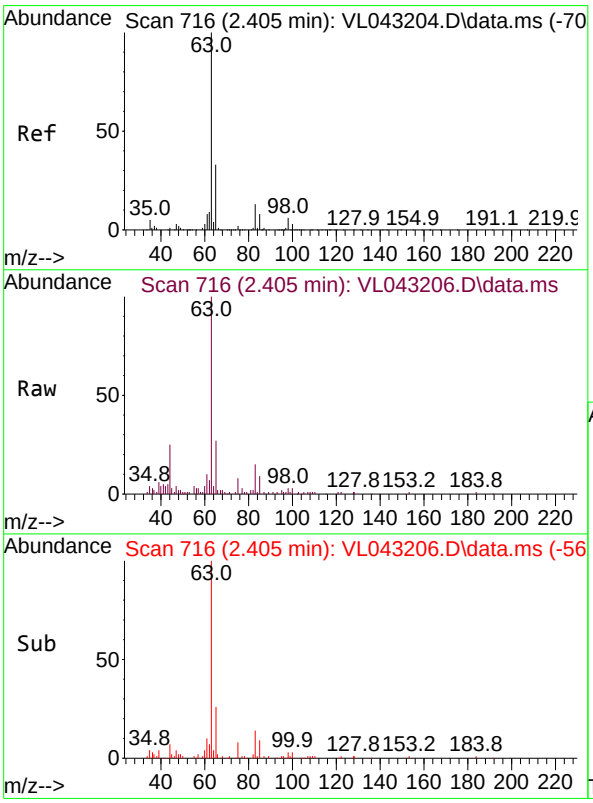
Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.2	9.2
42	10.4	8.0	12.0
44	5.9	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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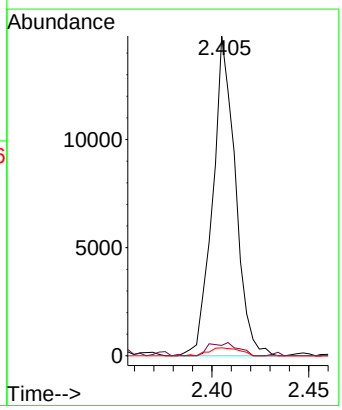
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

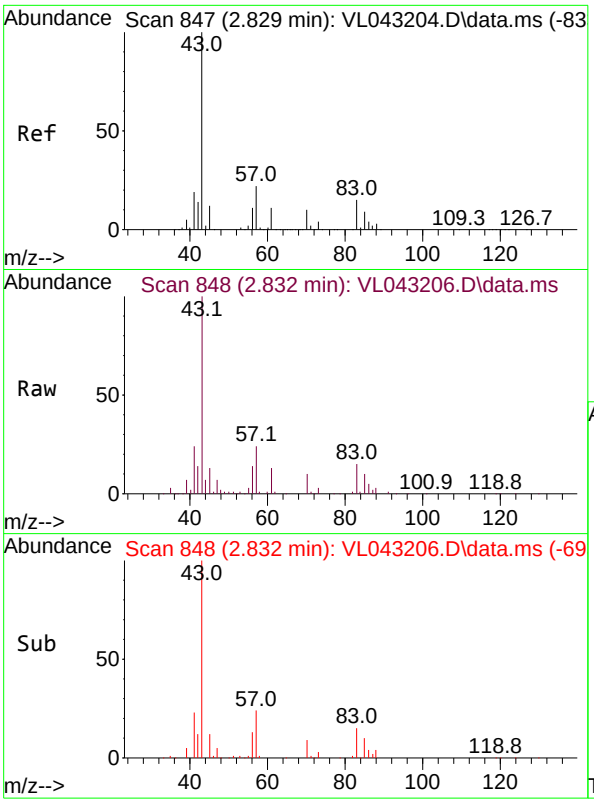


#24
1,1-Dichloroethane
Concen: 1.071 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 63 Resp: 12062

Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.8	8.4
100	2.5	1.3	3.9

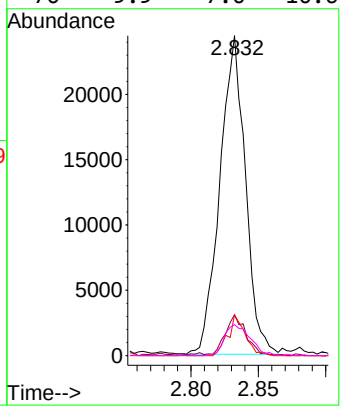




#25
Ethyl Acetate
Concen: 1.041 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 3210

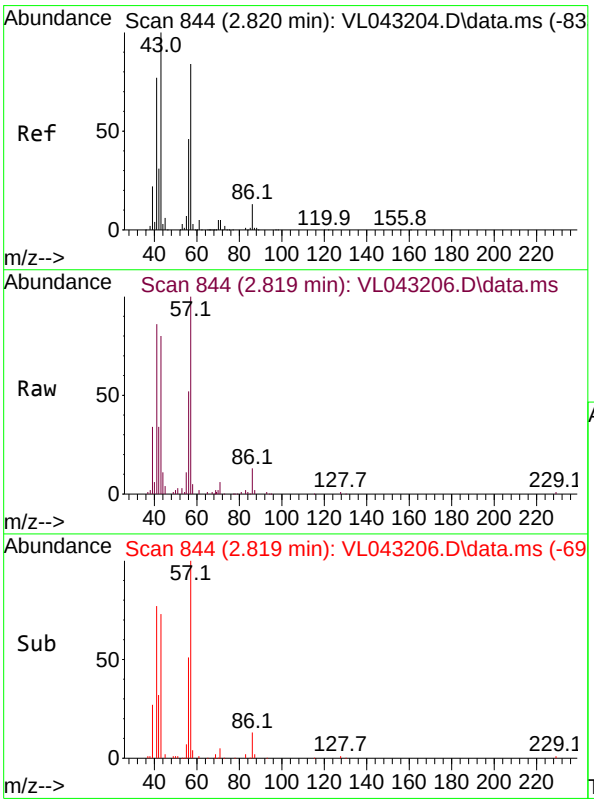
Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.1	12.1
61	8.7	7.0	10.4
70	9.9	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
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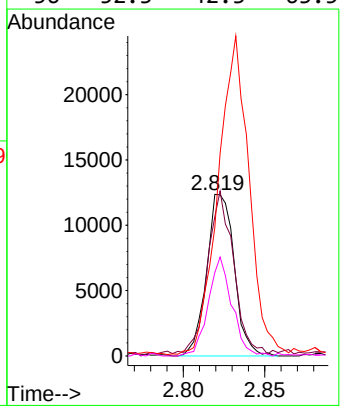
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

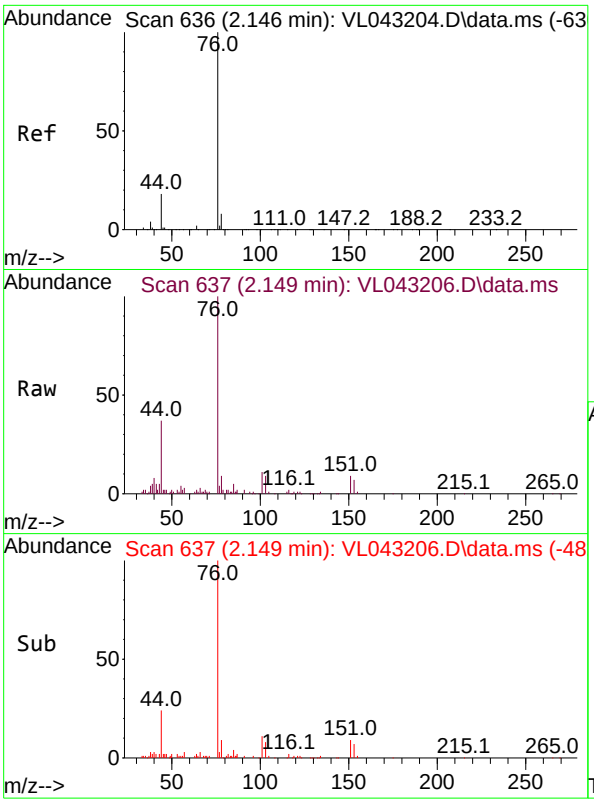


#26
Hexane
Concen: 1.084 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 57 Resp: 14639

Ion	Ratio	Lower	Upper
57	100		
41	96.8	74.6	111.8
43	222.8	179.0	268.4
56	52.3	42.3	63.5

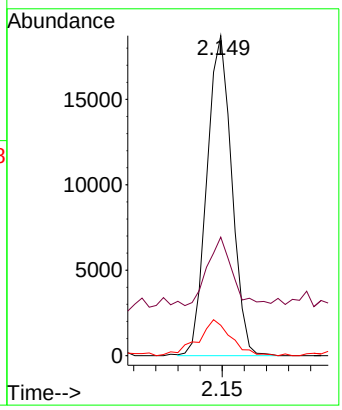




#27
Carbon Disulfide
Concen: 1.062 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 76 Resp: 1463

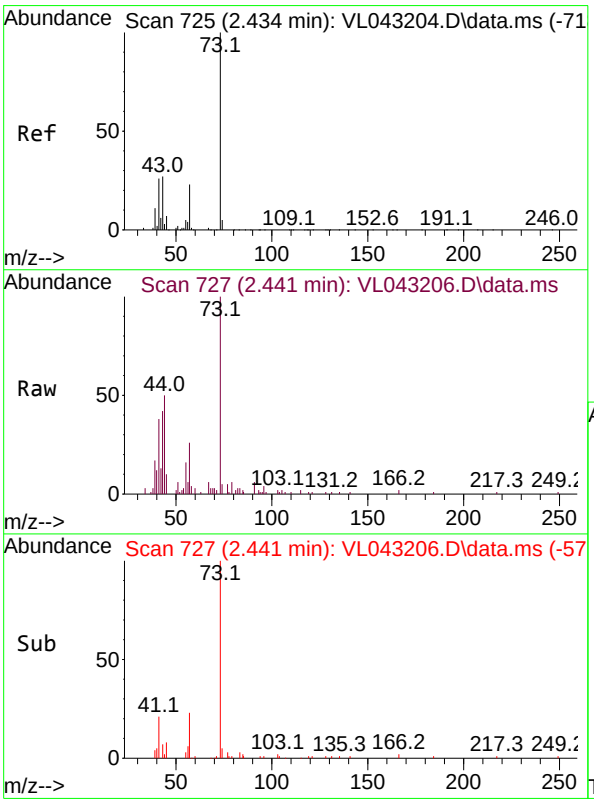
Ion	Ratio	Lower	Upper
76	100		
44	69.6	16.1	24.1#
78	14.8	9.6	14.4#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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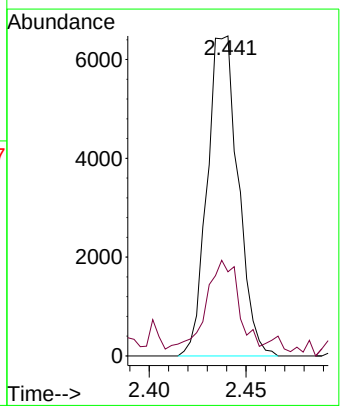
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

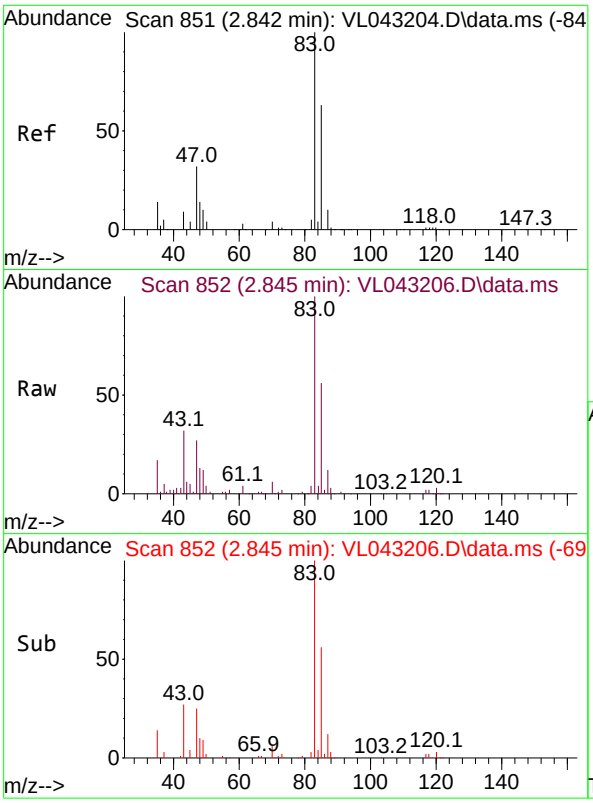


#28
Methyl tert-Butyl Ether
Concen: 1.092 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 73 Resp: 7236

Ion	Ratio	Lower	Upper
73	100		
57	33.1	19.8	29.8#

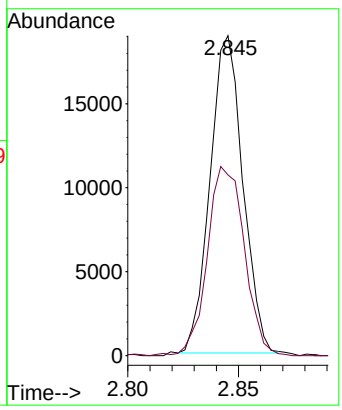




#29
Chloroform
Concen: 1.016 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 83 Resp: 1950

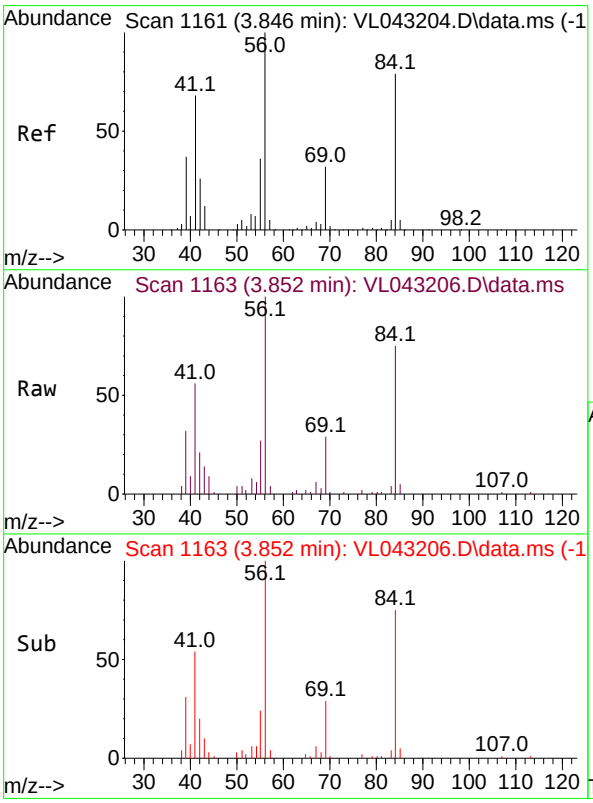
Ion	Ratio	Lower	Upper
83	100		
85	56.3	50.5	75.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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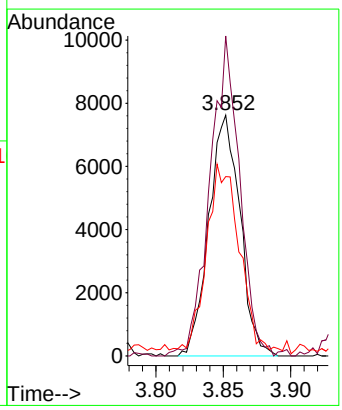
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

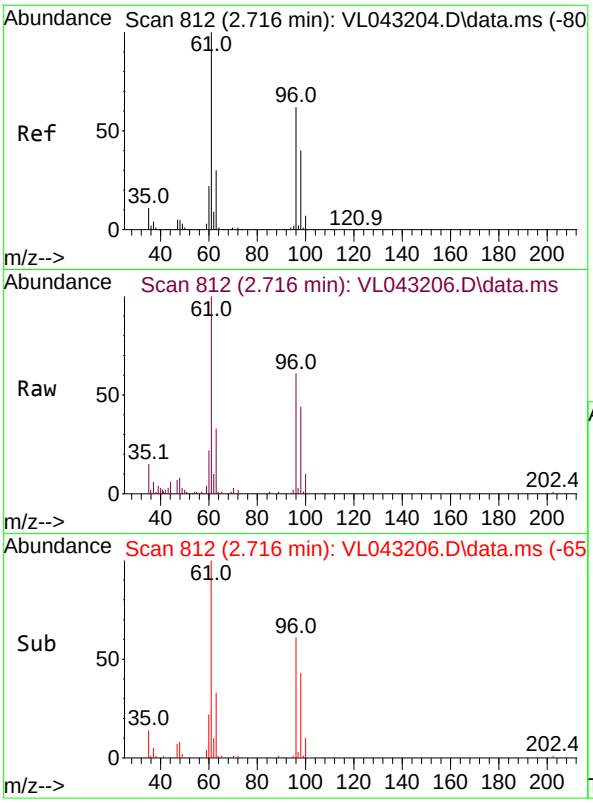


#30
Cyclohexane
Concen: 1.084 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 12269

Ion	Ratio	Lower	Upper
84	100		
56	127.5	104.7	157.1
41	90.4	69.0	103.6

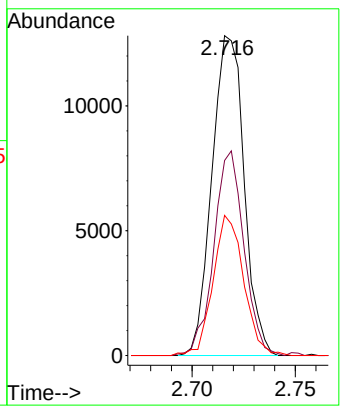




#31
cis-1,2-Dichloroethene
Concen: 1.035 ppbv
RT: 2.716 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 61 Resp: 1388

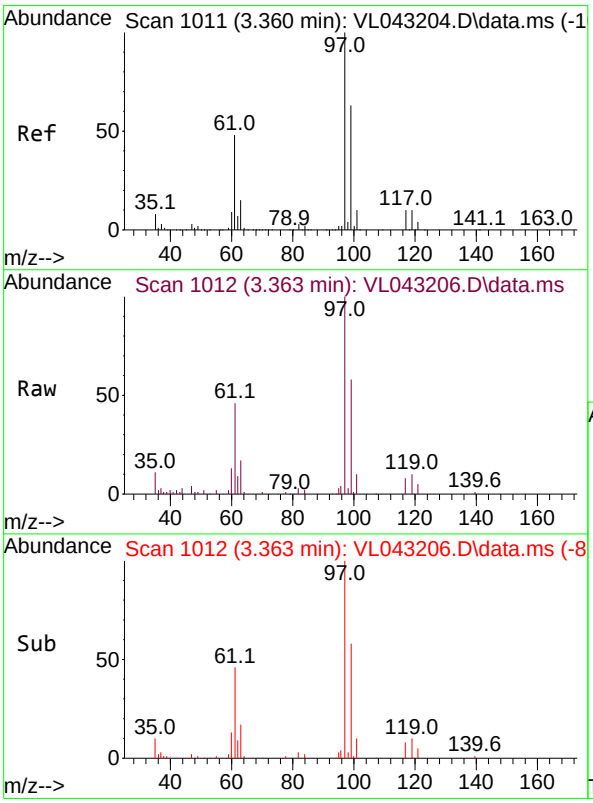
Ion	Ratio	Lower	Upper
61	100		
96	60.4	49.3	73.9
98	43.0	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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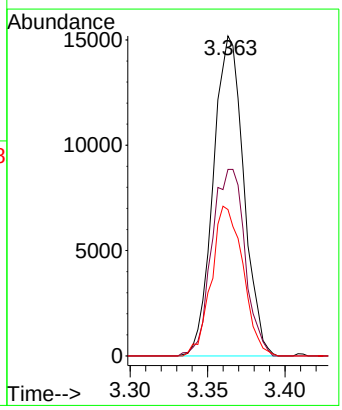
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

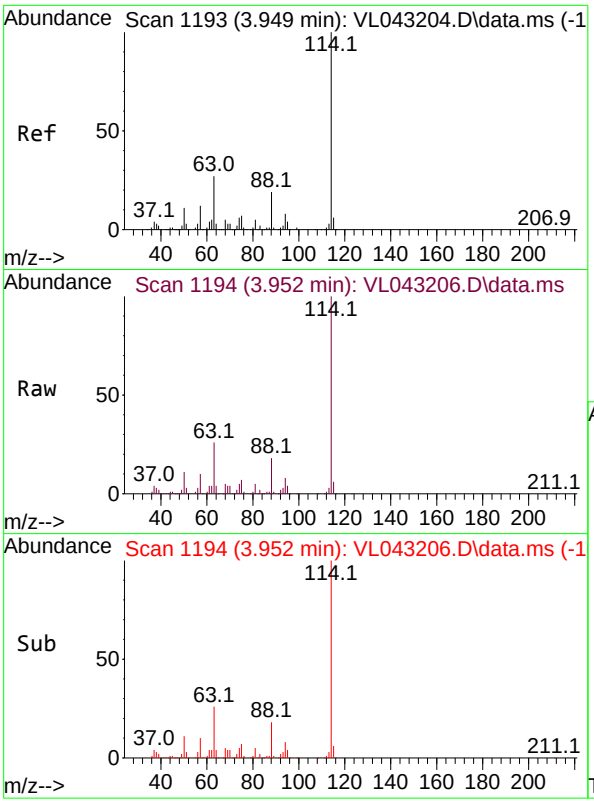


#32
1,1,1-Trichloroethane
Concen: 1.005 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 97 Resp: 20745

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.3	75.5
61	48.3	38.9	58.3

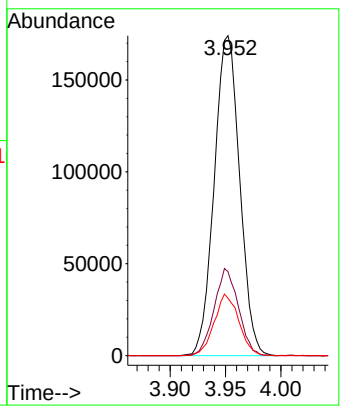




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:114 Resp: 27873

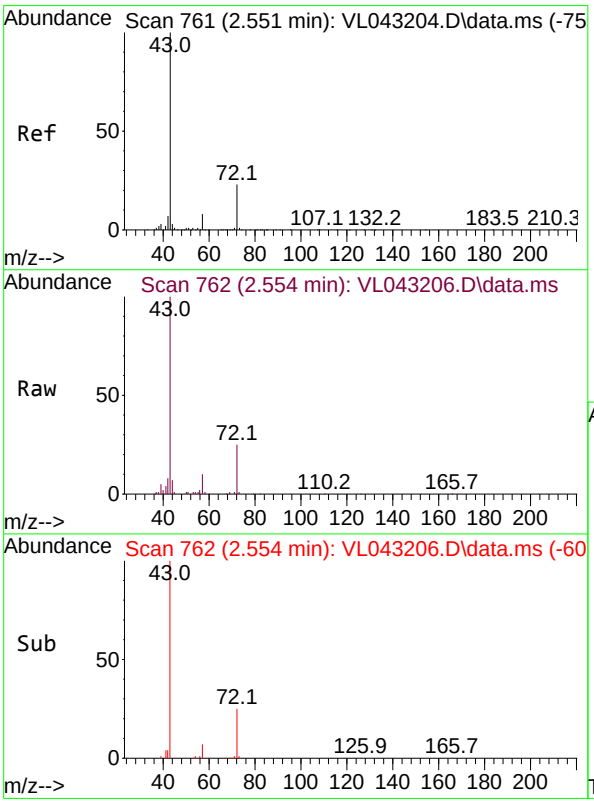
Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.0	31.6
88	18.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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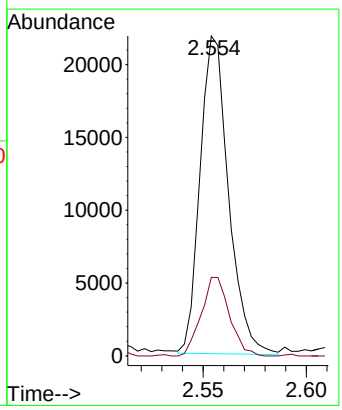
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

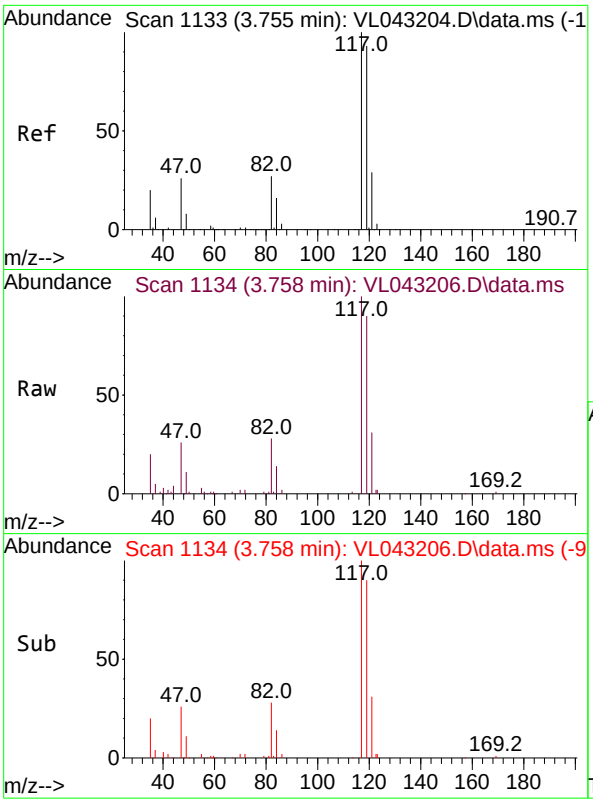


#34
2-Butanone
Concen: 1.064 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 20940

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.1	27.1

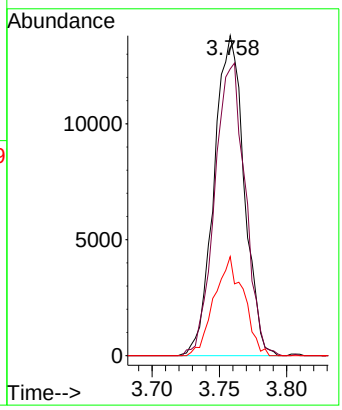




#35
Carbon Tetrachloride
Concen: 1.016 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:117 Resp: 2149

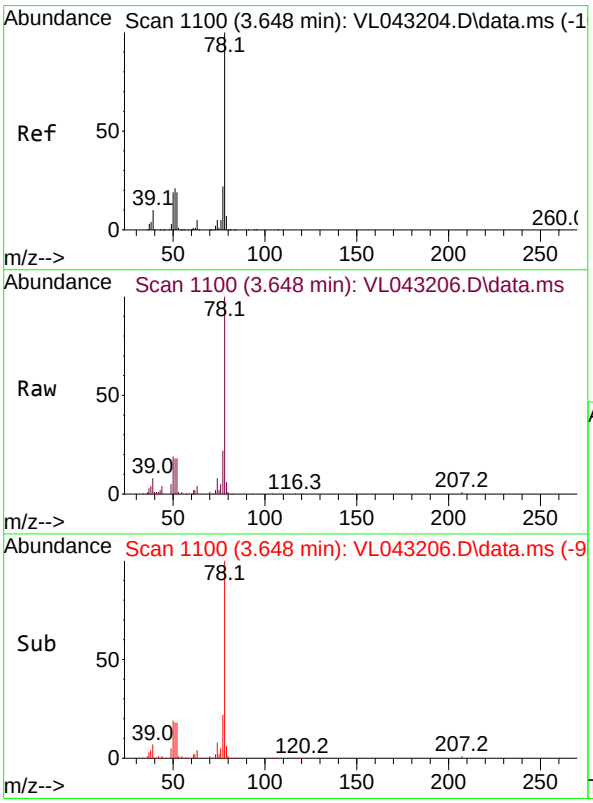
Ion	Ratio	Lower	Upper
117	100		
119	89.6	74.6	112.0
121	30.9	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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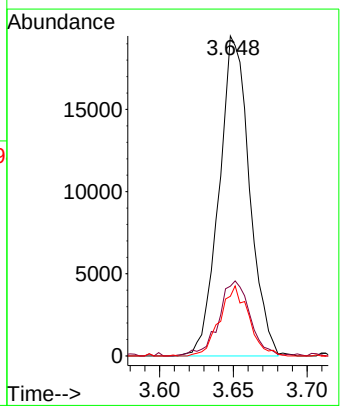
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

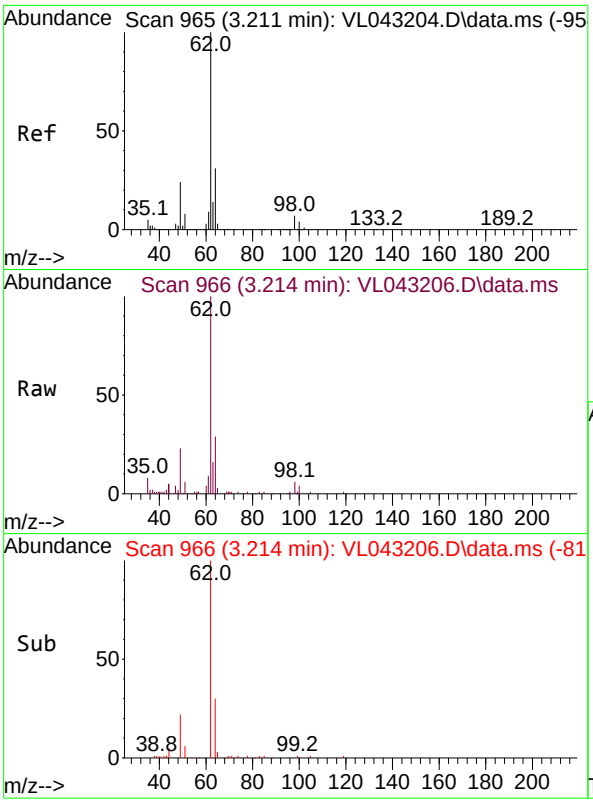


#36
Benzene
Concen: 1.046 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 78 Resp: 27911

Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.5	26.3
50	18.6	15.5	23.3





#37
1,2-Dichloroethane
Concen: 1.035 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

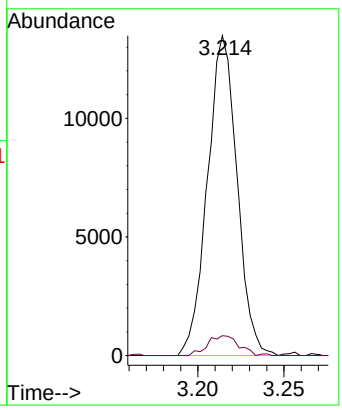
Tgt Ion: 62 Resp: 1615

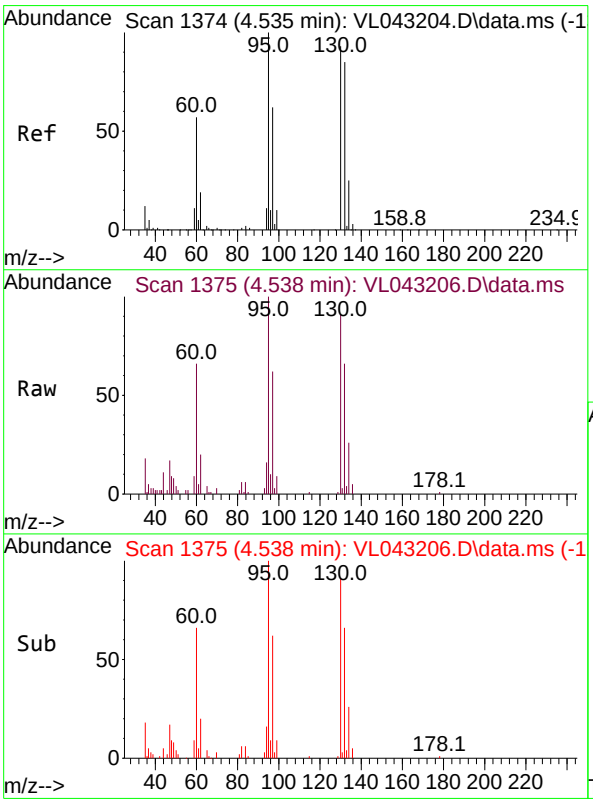
Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.5	8.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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Supervised By :Mahesh Dadoda 11/19/2025

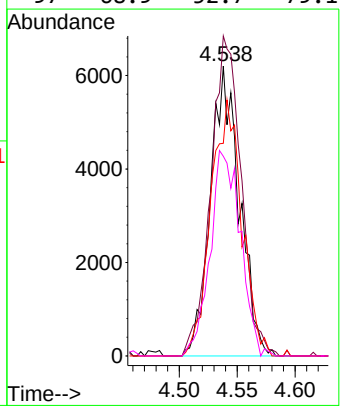


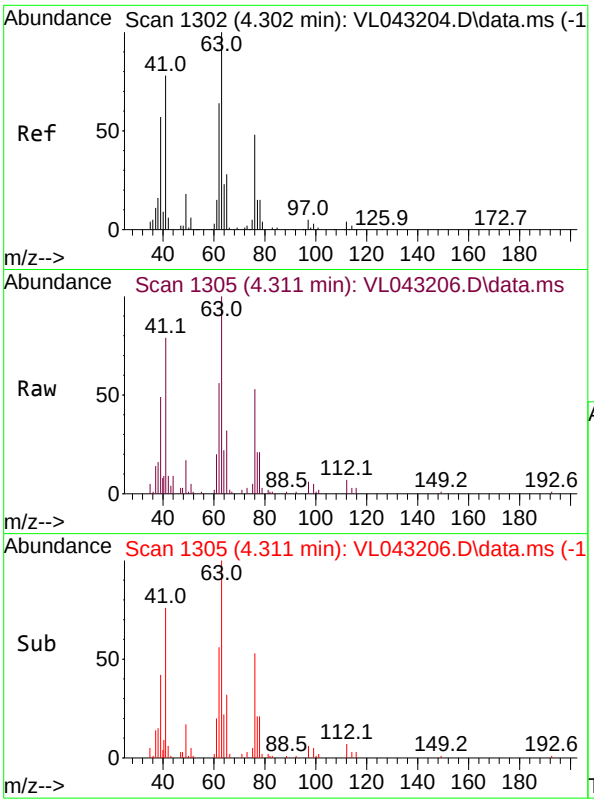


#38
Trichloroethene
Concen: 1.033 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:130 Resp: 10809

Ion	Ratio	Lower	Upper
130	100		
95	110.4	85.7	128.5
132	73.3	73.4	110.0#
97	68.9	52.7	79.1





#39
1,2-Dichloropropane
Concen: 1.039 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

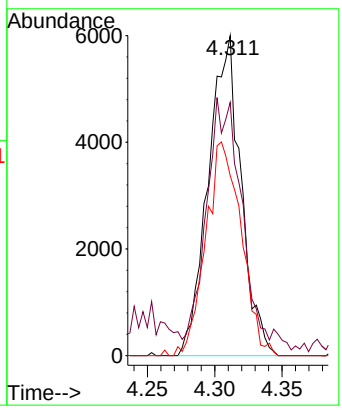
Tgt Ion: 63 Resp: 1014

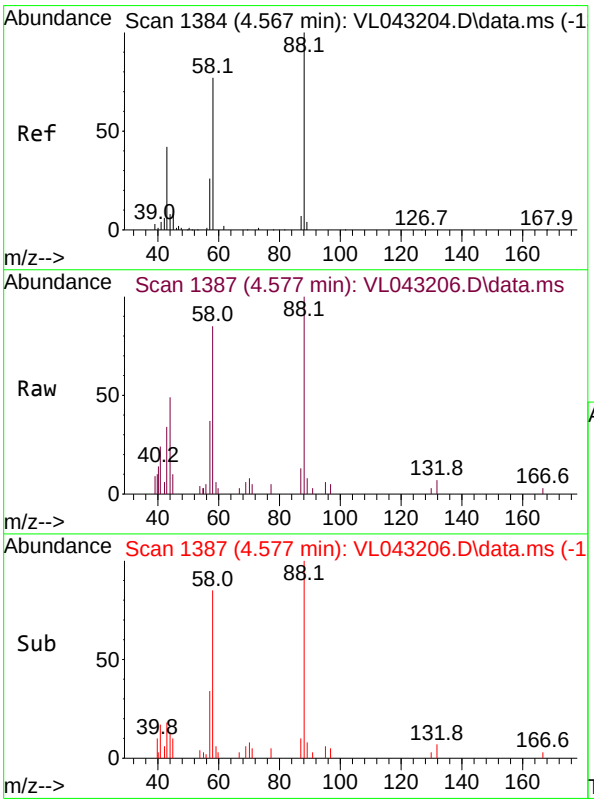
Ion	Ratio	Lower	Upper
63	100		
41	70.5	62.6	93.8
62	56.2	51.0	76.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

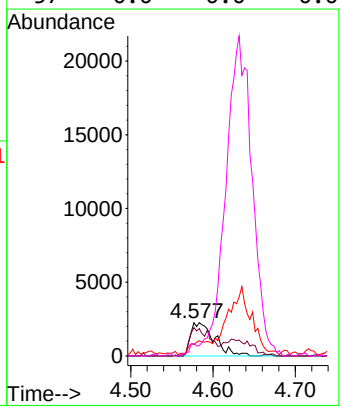


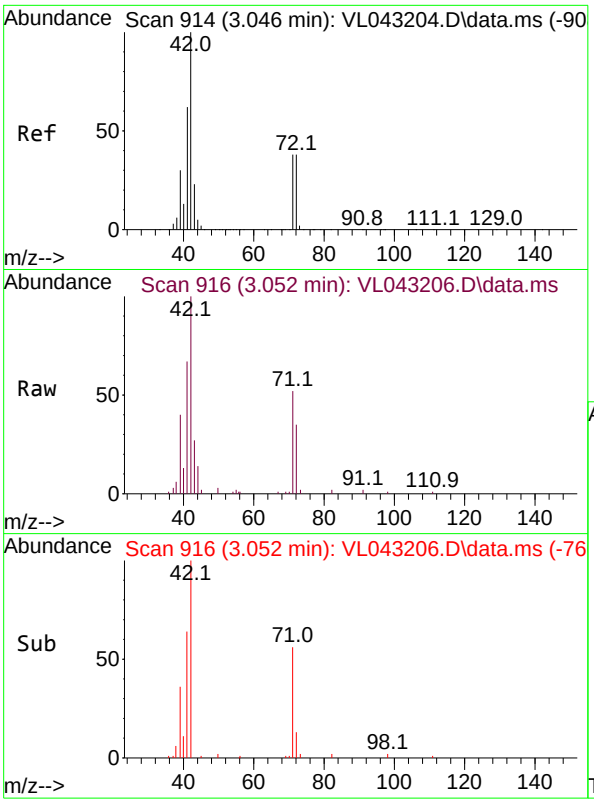


#40
1,4-Dioxane
Concen: 1.051 ppbv m
RT: 4.577 min Scan# 1387
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 88 Resp: 4616

Ion	Ratio	Lower	Upper
88	100		
58	69.6	63.0	94.6
43	0.0	32.5	48.7#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 1.029 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

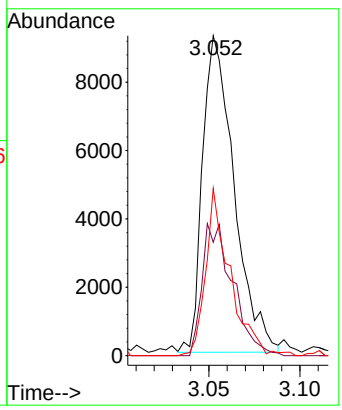
Tgt Ion: 42 Resp: 1117

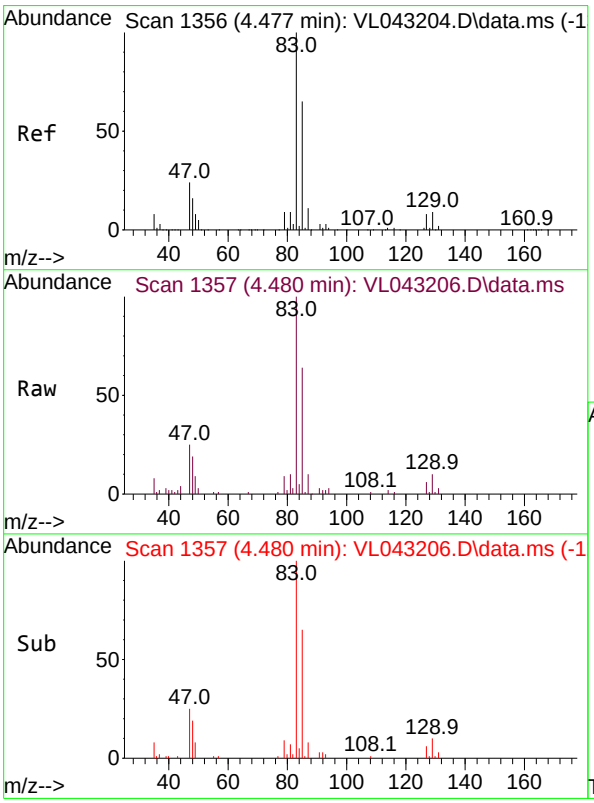
Ion	Ratio	Lower	Upper
42	100		
72	40.2	30.6	46.0
71	40.4	30.5	45.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

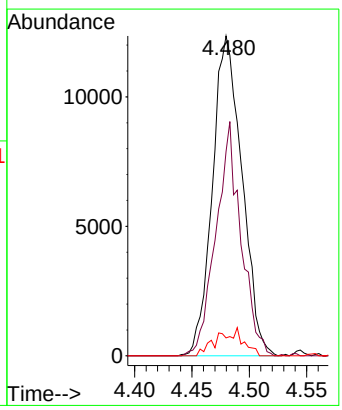


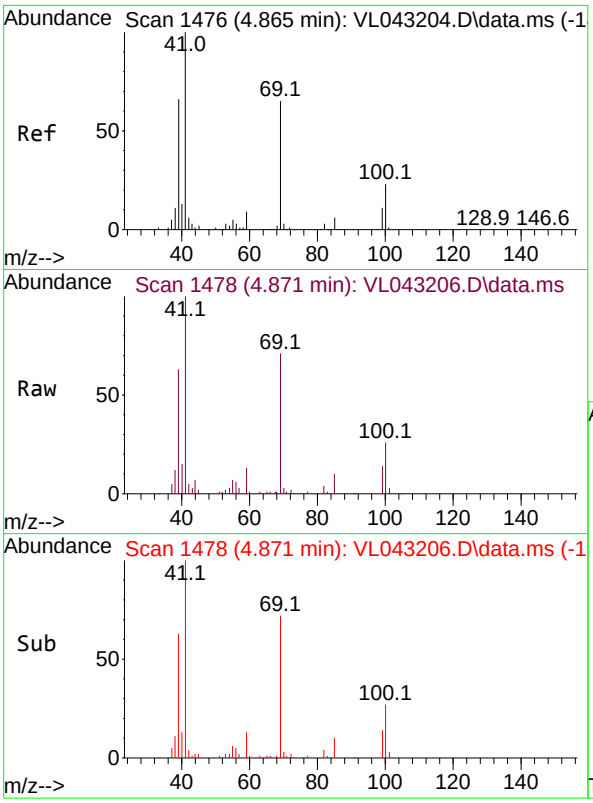


#42
Bromodichloromethane
Concen: 1.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 83 Resp: 22150

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	5.6	6.3	9.5#

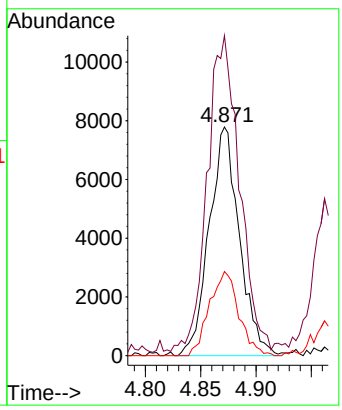




#43
Methyl Methacrylate
Concen: 1.046 ppbv
RT: 4.871 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 69 Resp: 1482

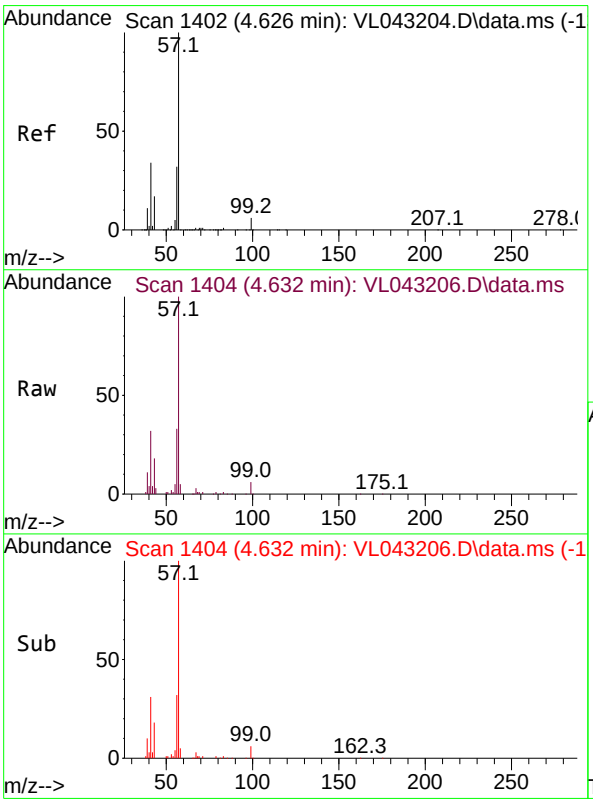
Ion	Ratio	Lower	Upper
69	100		
41	148.1	126.7	190.1
100	35.7	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

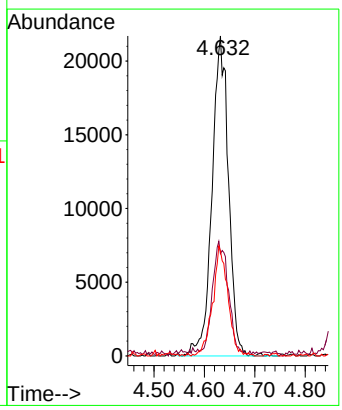
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

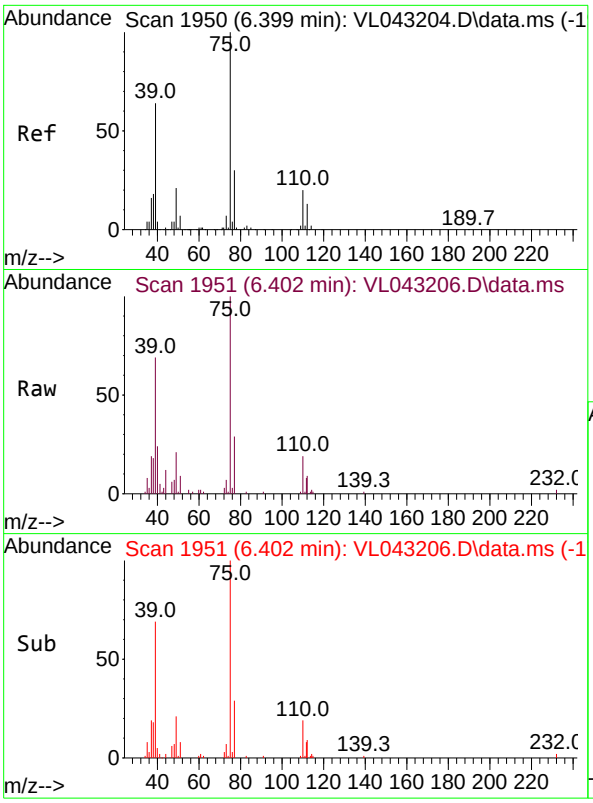


#44
2,2,4-Trimethylpentane
Concen: 1.073 ppbv m
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 57 Resp: 49203

Ion	Ratio	Lower	Upper
57	100		
41	37.7	28.0	42.0
56	32.0	25.6	38.4

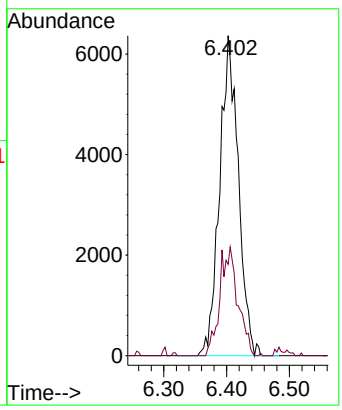




#45
t-1,3-Dichloropropene
Concen: 0.996 ppbv m
RT: 6.402 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 75 Resp: 13149

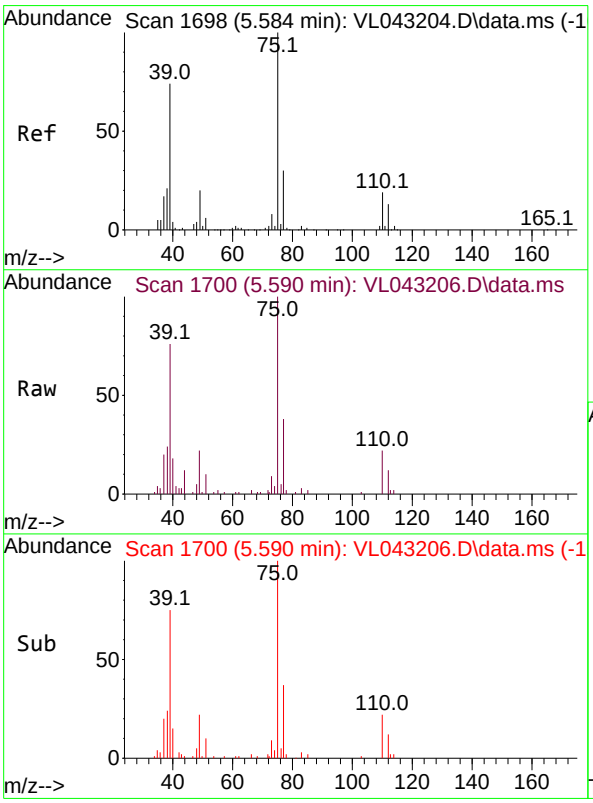
Ion	Ratio	Lower	Upper
75	100		
77	28.5	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

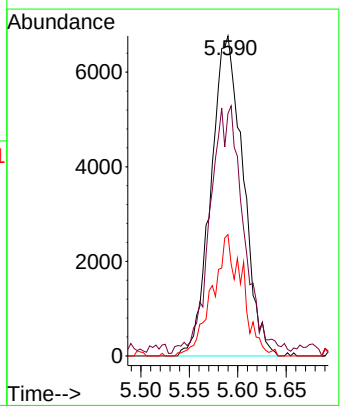
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

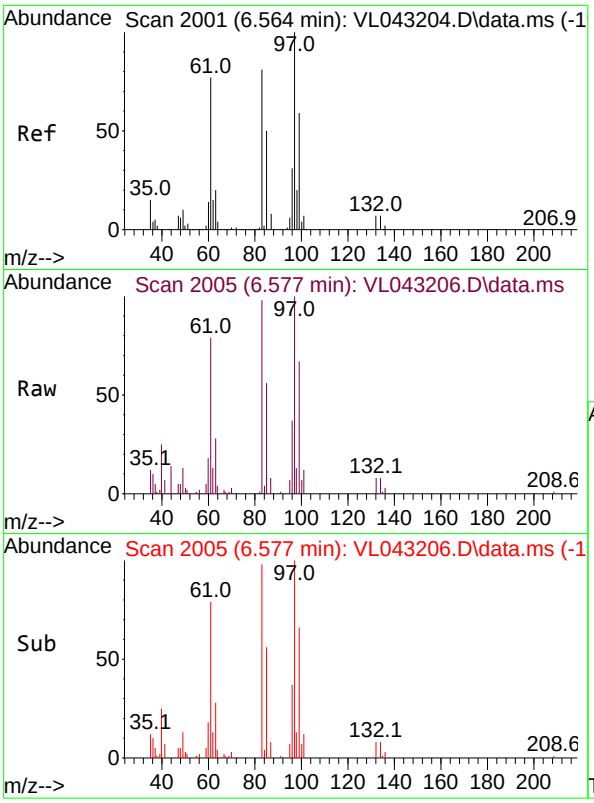


#46
cis-1,3-Dichloropropene
Concen: 1.001 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 75 Resp: 15527

Ion	Ratio	Lower	Upper
75	100		
39	72.5	59.1	88.7
77	37.9	24.2	36.2#

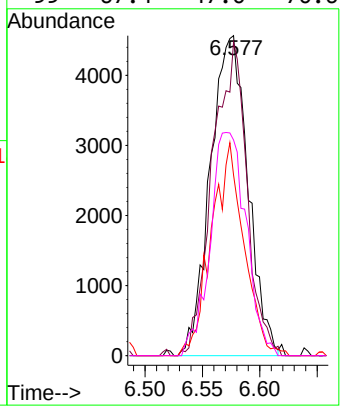




#47
1,1,2-Trichloroethane
Concen: 0.995 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 97 Resp: 1036

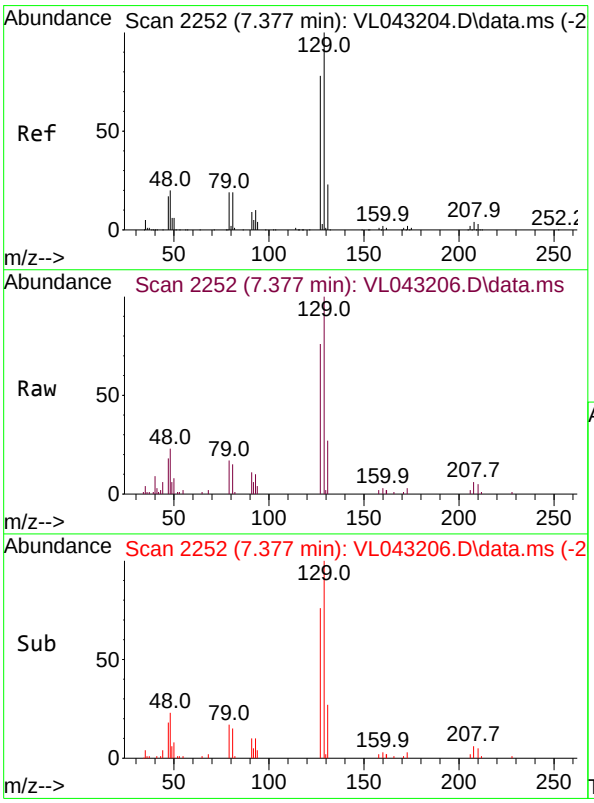
Ion	Ratio	Lower	Upper
97	100		
83	97.9	64.6	97.0
85	56.4	39.4	59.2
99	67.4	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

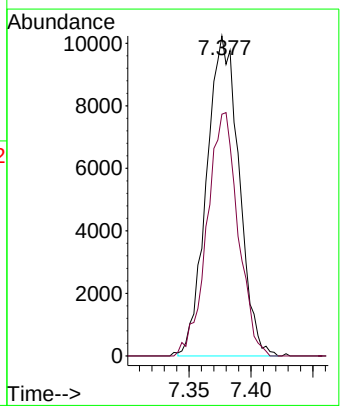
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

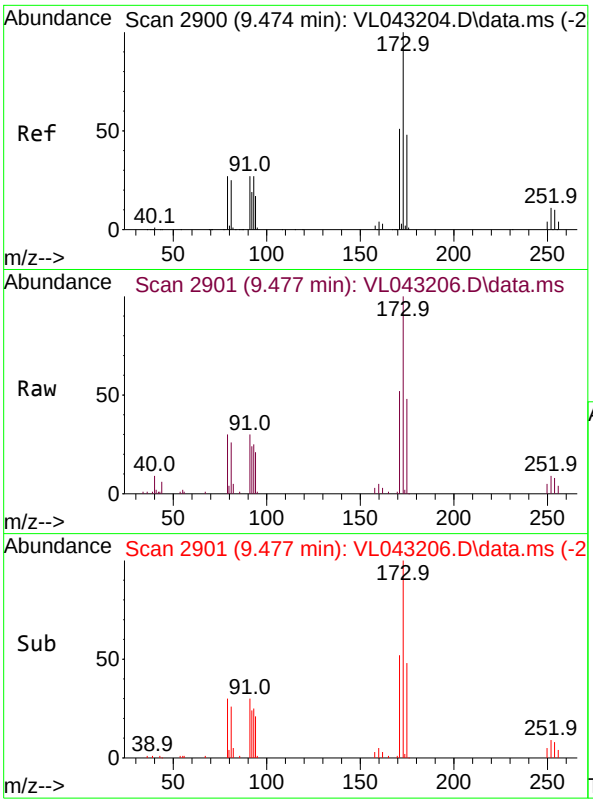


#48
Dibromochloromethane
Concen: 1.041 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:129 Resp: 18560

Ion	Ratio	Lower	Upper
129	100		
127	72.8	39.3	117.9

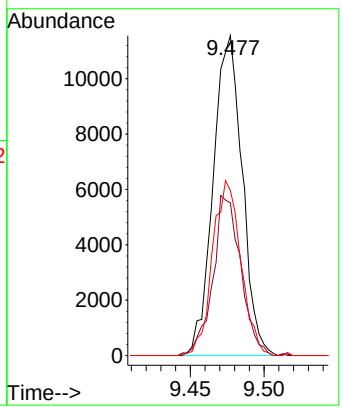




#49
Bromoform
Concen: 1.004 ppbv
RT: 9.477 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:173 Resp: 1585

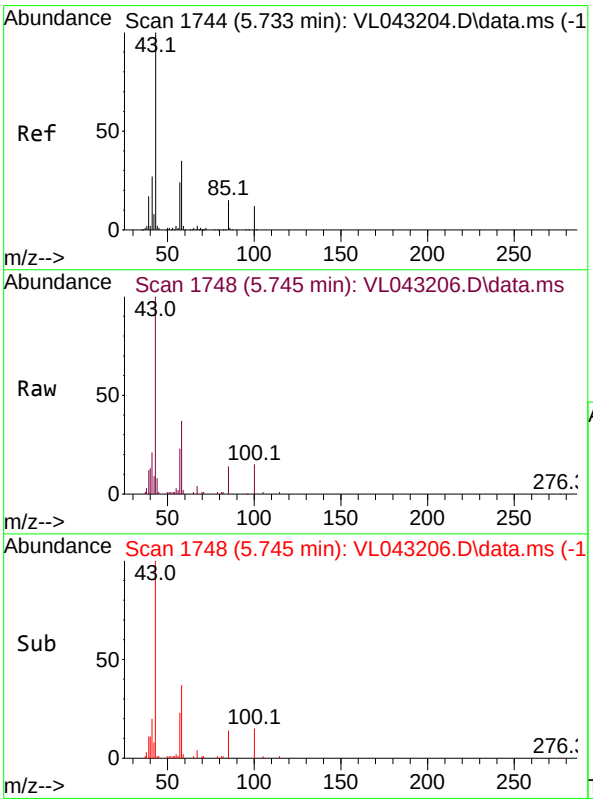
Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.6	58.0
171	53.5	40.6	61.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

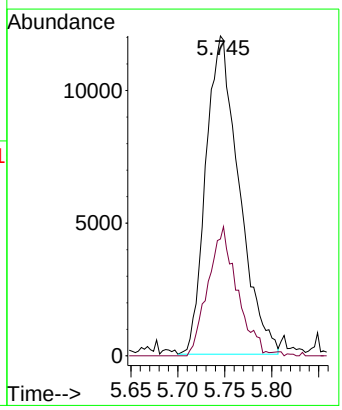
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

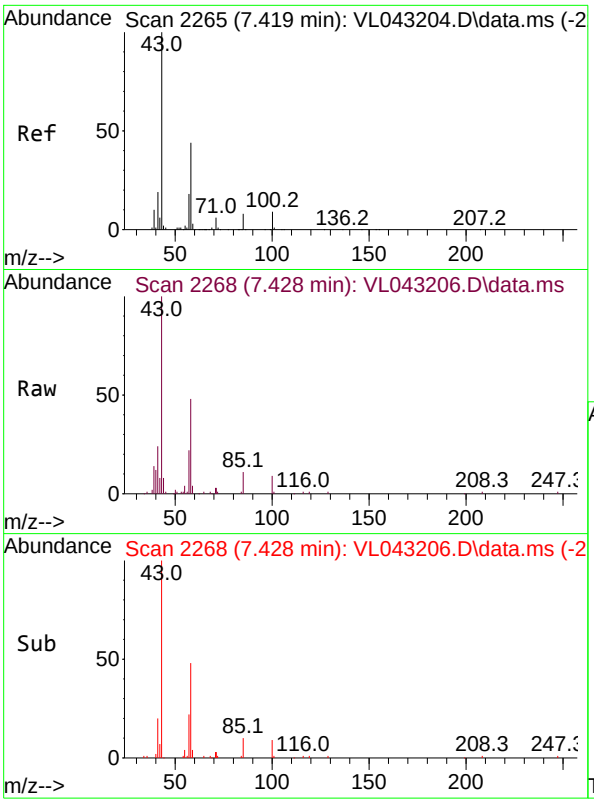


#50
4-Methyl-2-Pentanone
Concen: 1.067 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.013 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 29560

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.4	42.6

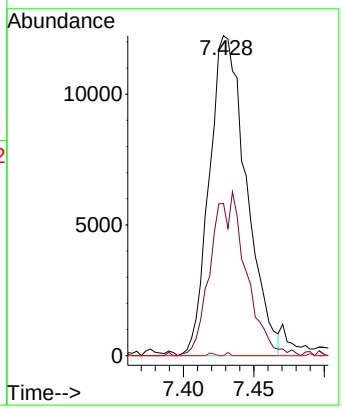




#51
2-Hexanone
Concen: 1.043 ppbv
RT: 7.428 min Scan# 2
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 2243

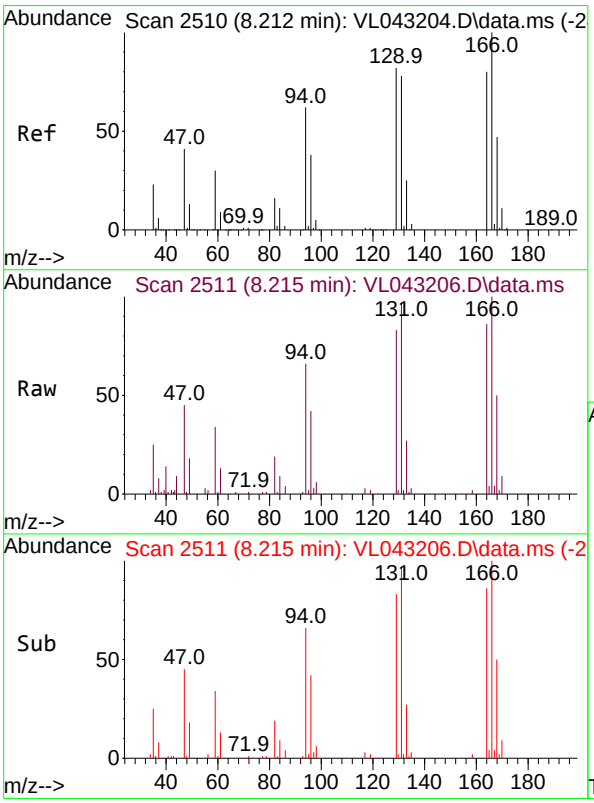
Ion	Ratio	Lower	Upper
43	100		
58	49.4	38.4	57.6
98	0.2	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

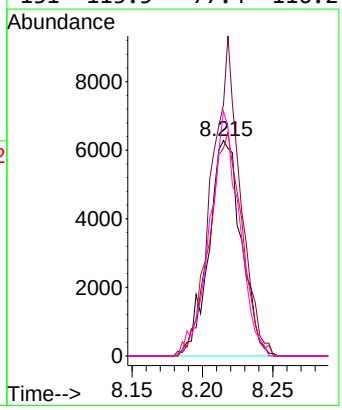
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

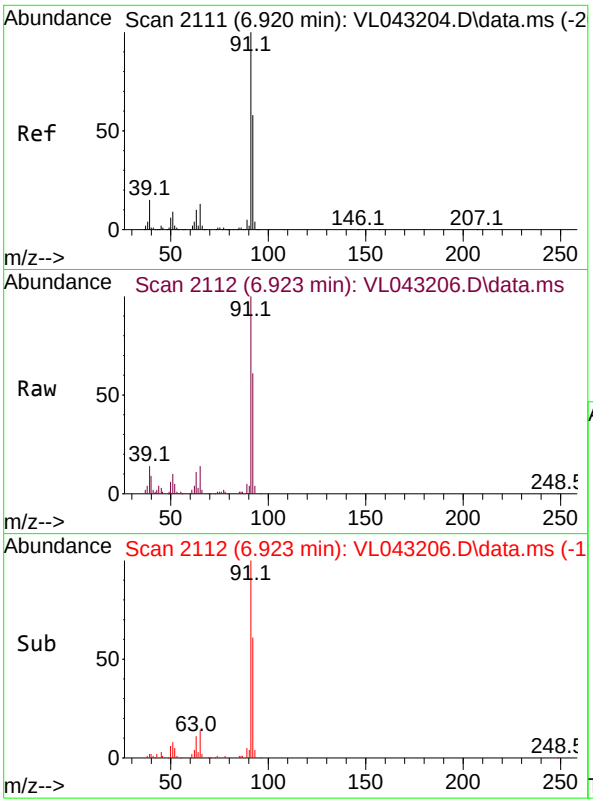


#52
Tetrachloroethene
Concen: 1.015 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:164 Resp: 10080

Ion	Ratio	Lower	Upper
164	100		
166	116.5	99.4	149.2
129	96.3	81.8	122.8
131	113.5	77.4	116.2

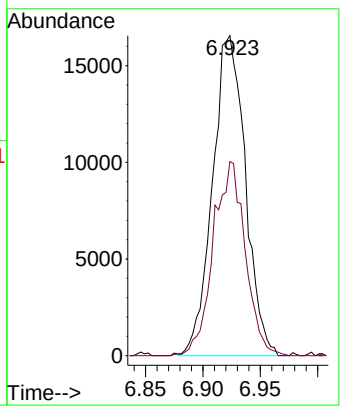




#53
Toluene
Concen: 1.036 ppbv
RT: 6.923 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 3295

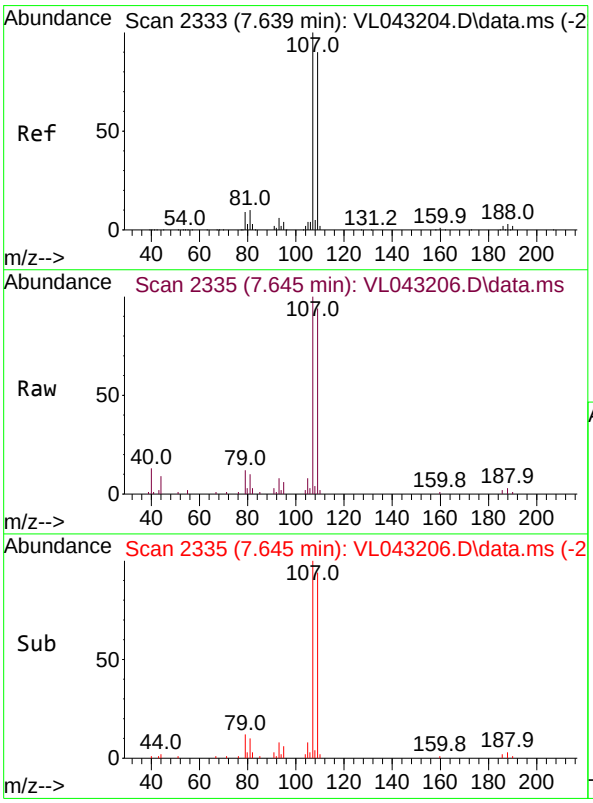
Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

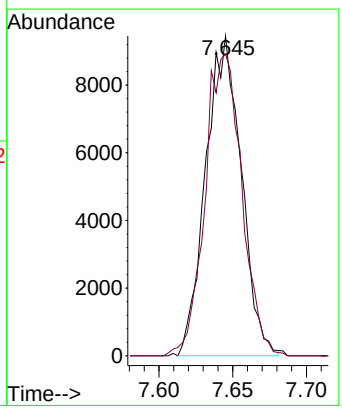
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

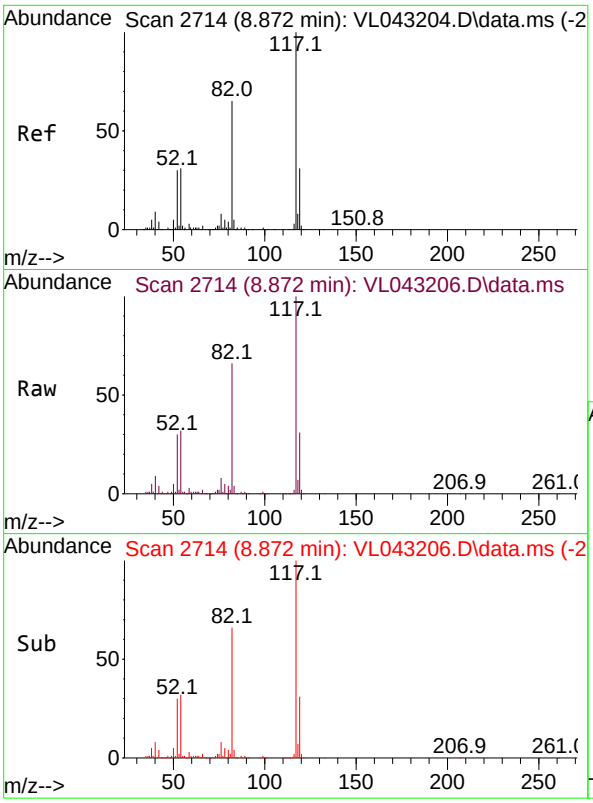


#54
1,2-Dibromoethane
Concen: 1.040 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:107 Resp: 15865

Ion	Ratio	Lower	Upper
107	100		
109	93.3	72.1	108.1

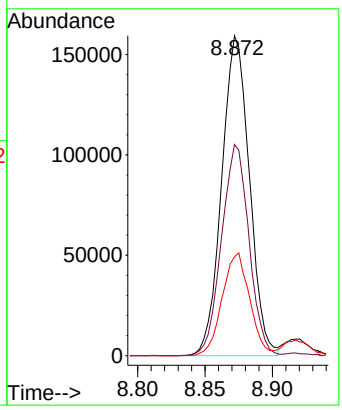




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:117 Resp: 22799

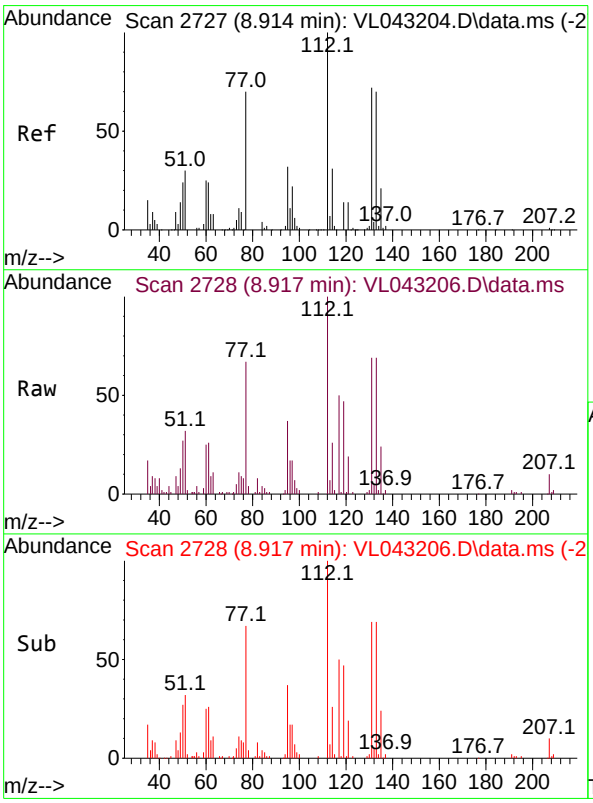
Ion	Ratio	Lower	Upper
117	100		
82	66.2	56.1	84.1
119	32.1	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

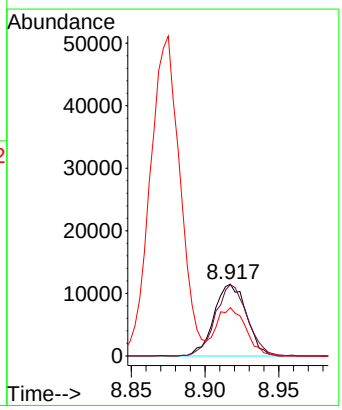
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

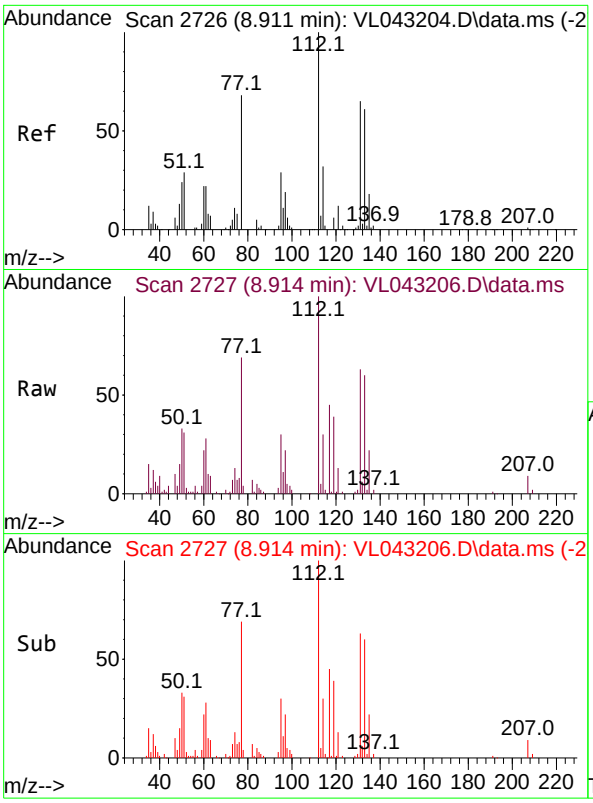


#56
1,1,1,2-Tetrachloroethane
Concen: 1.046 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:131 Resp: 17535

Ion	Ratio	Lower	Upper
131	100		
133	97.3	77.4	116.2
119	60.6	49.1	73.7

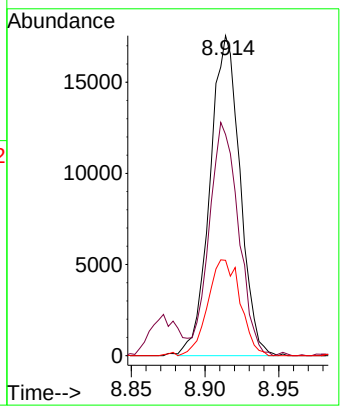




#57
Chlorobenzene
Concen: 1.060 ppbv
RT: 8.914 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:112 Resp: 2480

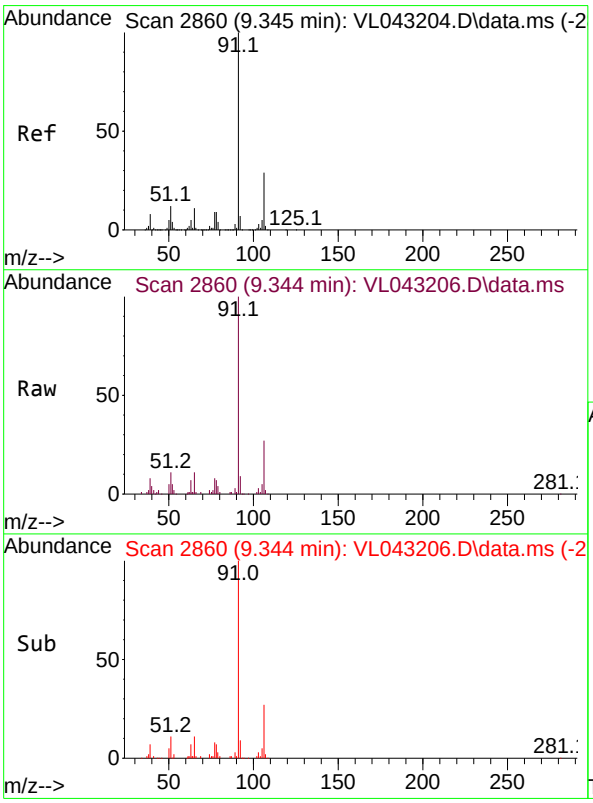
Ion	Ratio	Lower	Upper
112	100		
77	68.6	55.5	83.3
114	29.8	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

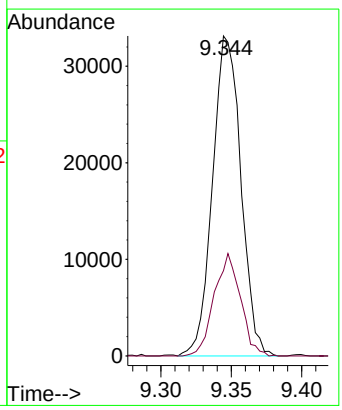
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

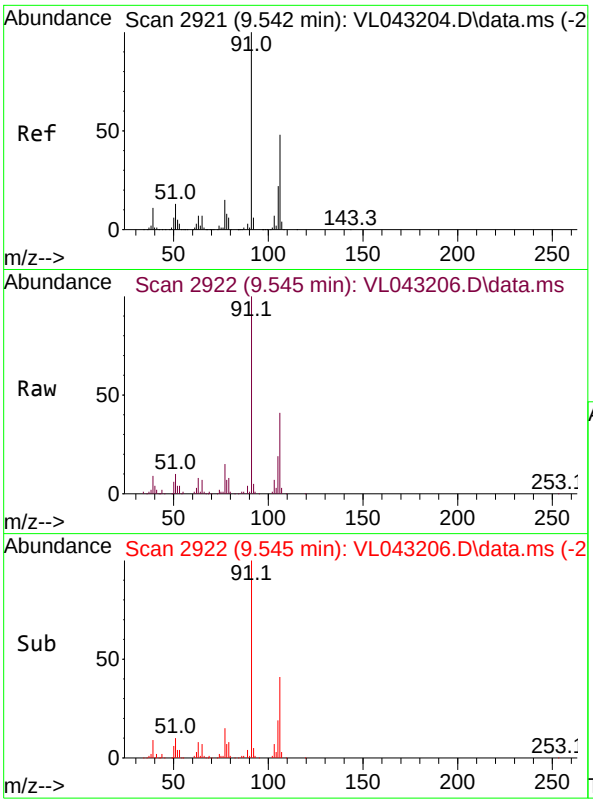


#58
Ethyl Benzene
Concen: 1.059 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 46455

Ion	Ratio	Lower	Upper
91	100		
106	26.6	22.8	34.2





#59
m/p-Xylene
Concen: 2.080 ppbv m
RT: 9.545 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

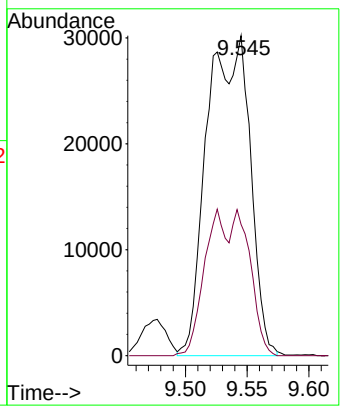
Tgt Ion: 91 Resp: 7346

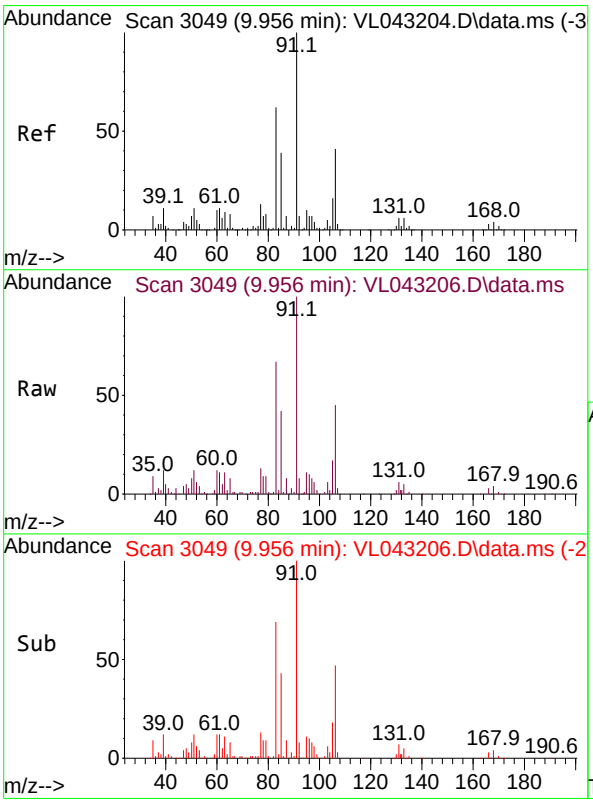
Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

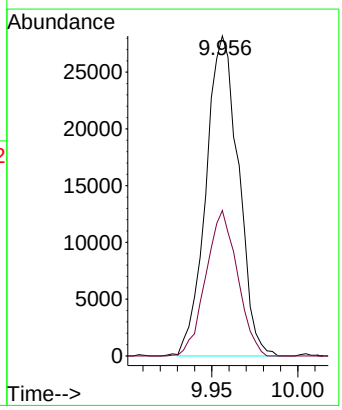


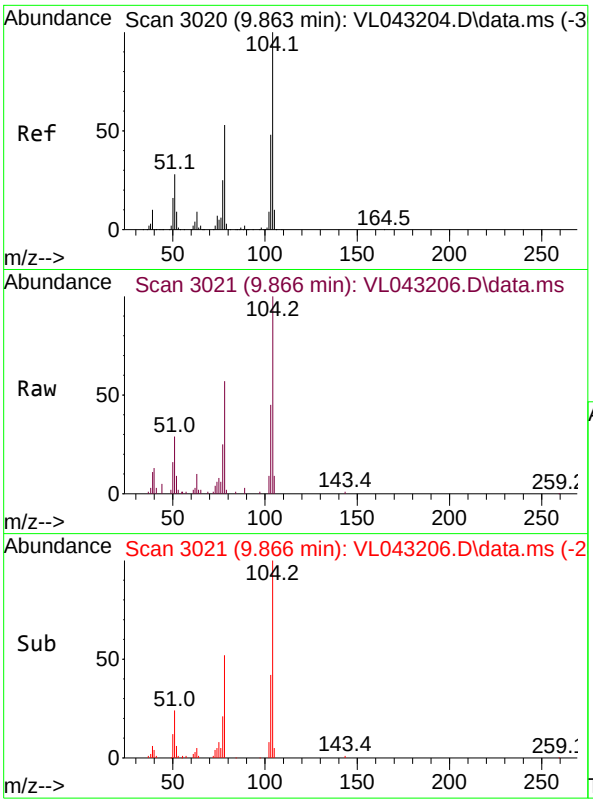


#60
o-Xylene
Concen: 1.054 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 37054

Ion	Ratio	Lower	Upper
91	100		
106	44.1	20.9	62.8

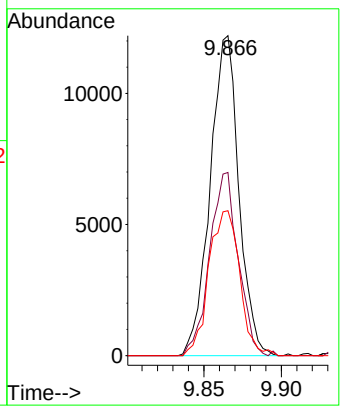




#61
Styrene
Concen: 1.023 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:104 Resp: 1573

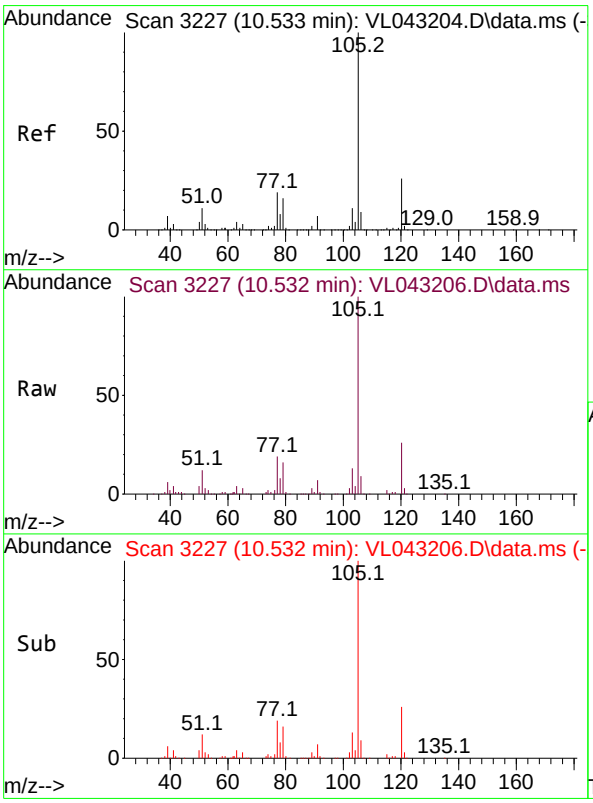
Ion	Ratio	Lower	Upper
104	100		
78	56.9	42.1	63.1
103	48.6	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

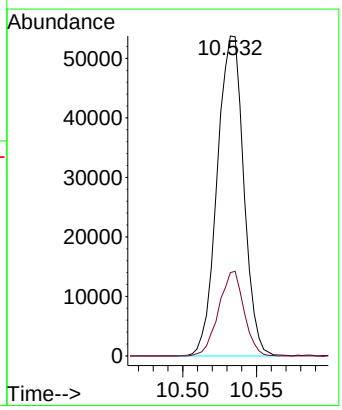
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

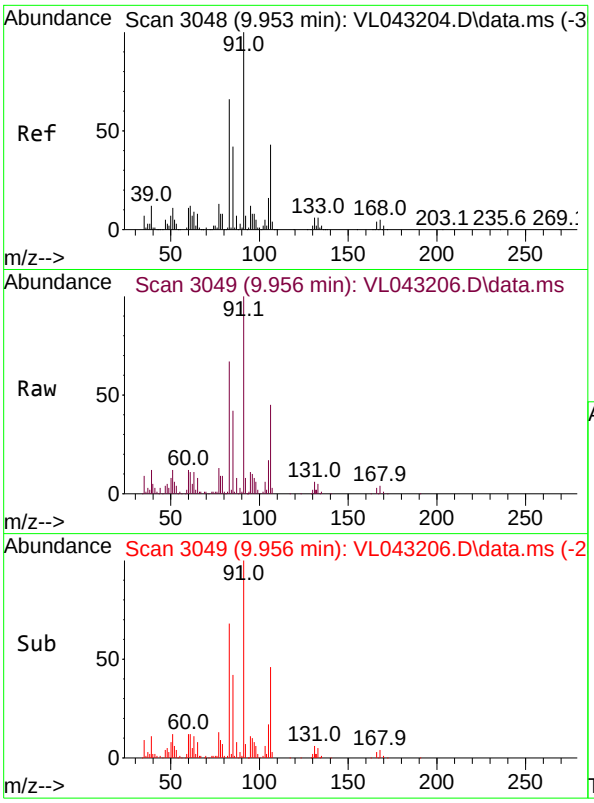


#62
Isopropylbenzene
Concen: 1.068 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 67163

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.8	29.8

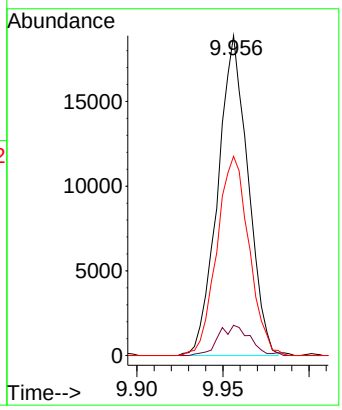




#63
1,1,2,2-Tetrachloroethane
Concen: 1.035 ppbv
RT: 9.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 83 Resp: 2308

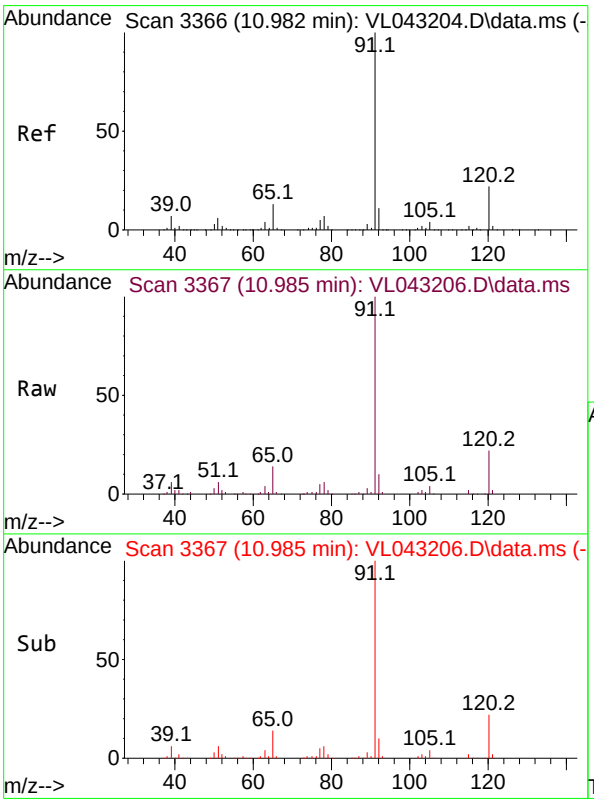
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	66.2	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

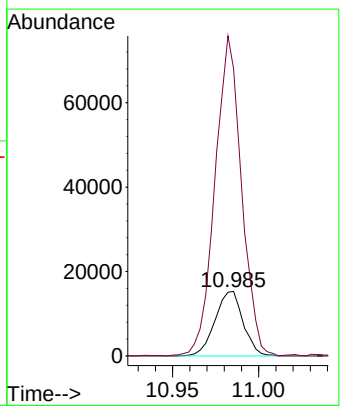
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

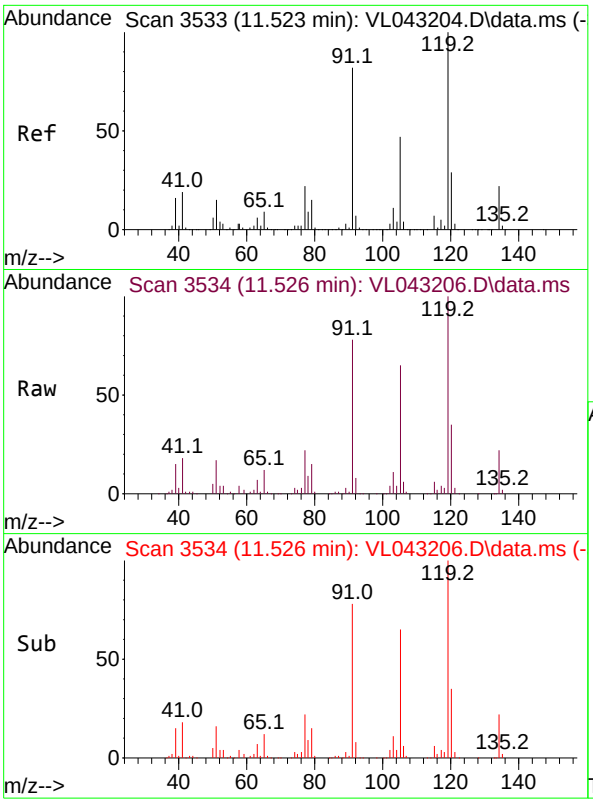


#64
n-propylbenzene
Concen: 1.070 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:120 Resp: 17289

Ion	Ratio	Lower	Upper
120	100		
91	471.4	377.1	565.7

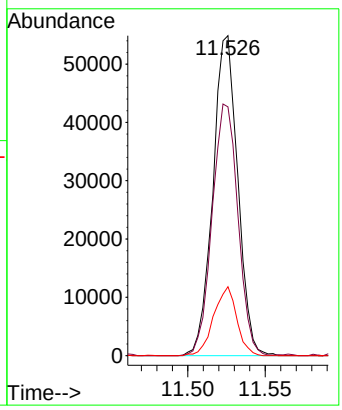




#65
tert-Butylbenzene
Concen: 1.091 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:119 Resp: 6125

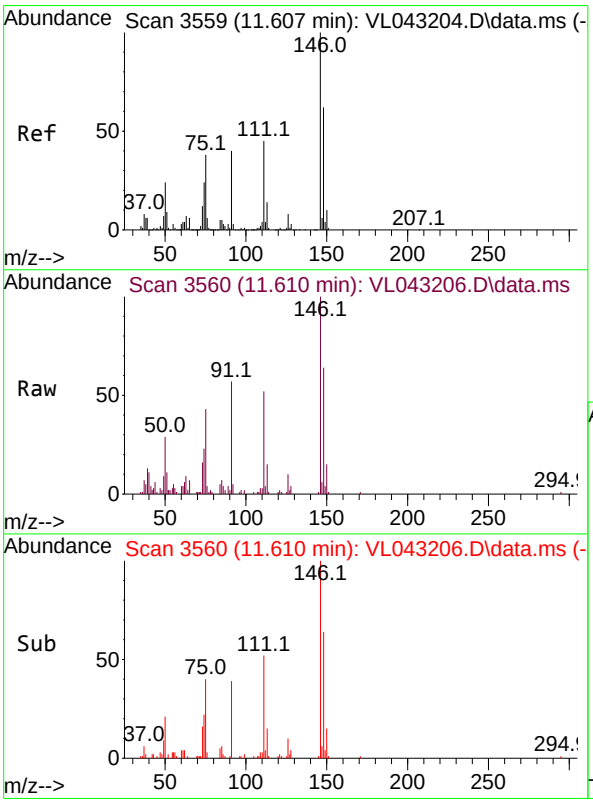
Ion	Ratio	Lower	Upper
119	100		
91	81.7	65.3	97.9
134	20.0	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

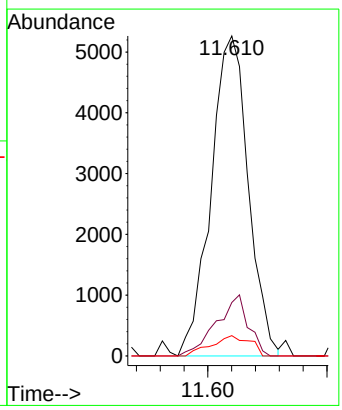
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

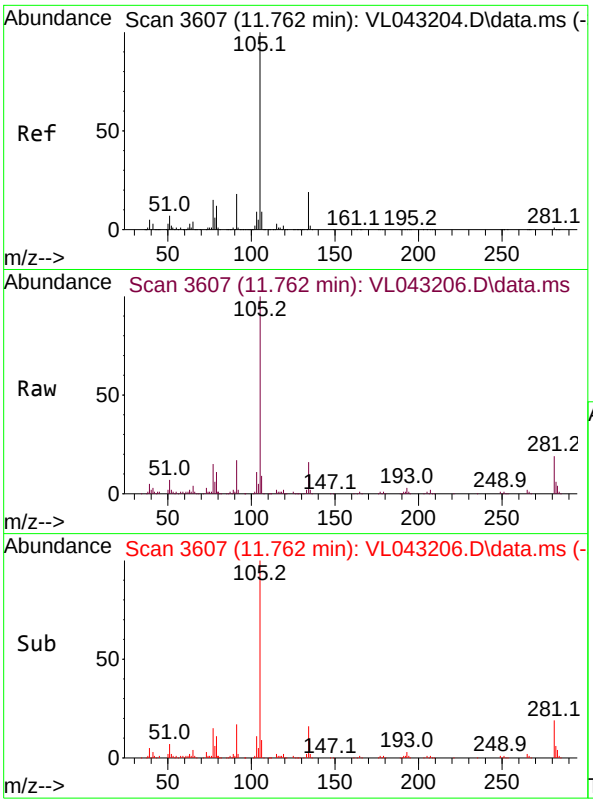


#66
Benzyl Chloride
Concen: 1.005 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 5729

Ion	Ratio	Lower	Upper
91	100		
126	16.3	14.4	21.6
128	6.5	4.6	6.8

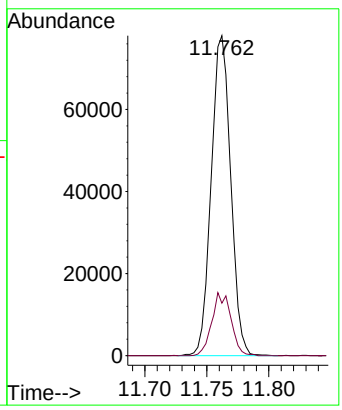




#67
sec-Butylbenzene
Concen: 1.084 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 8498

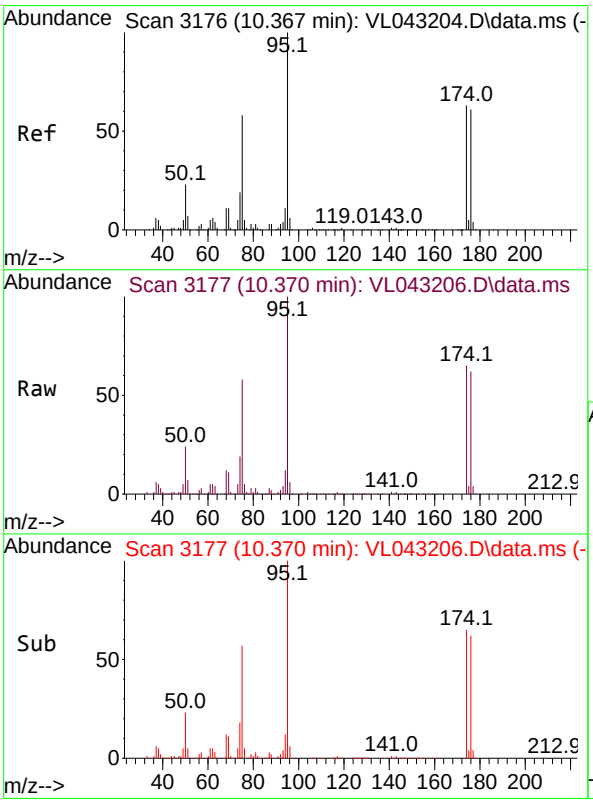
Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

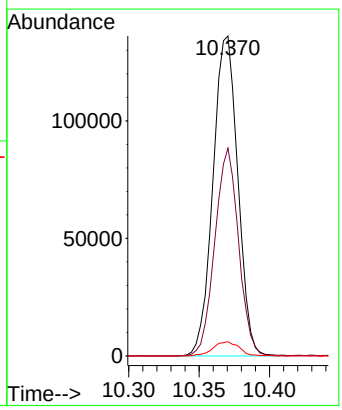
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

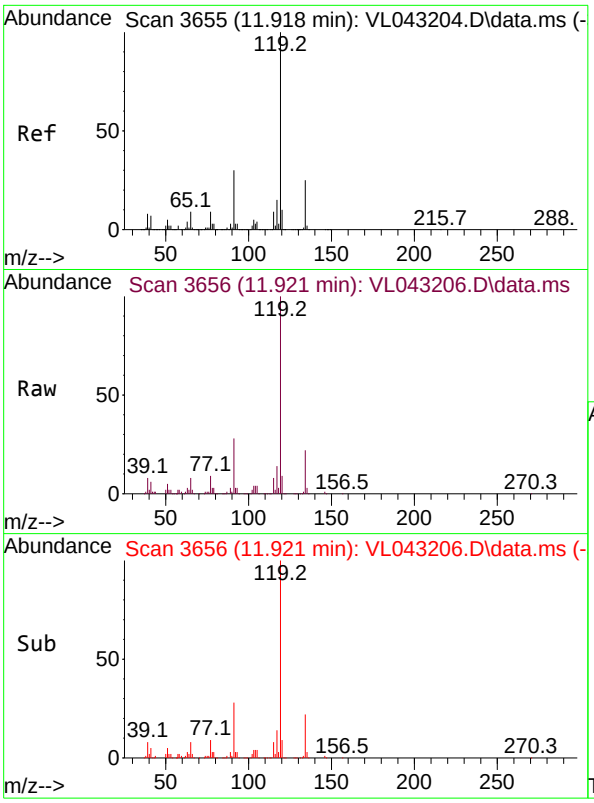


#68
1-Bromo-4-Fluorobenzene
Concen: 9.996 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 95 Resp: 167061

Ion	Ratio	Lower	Upper
95	100		
174	62.1	50.2	75.2
175	4.6	4.1	6.1

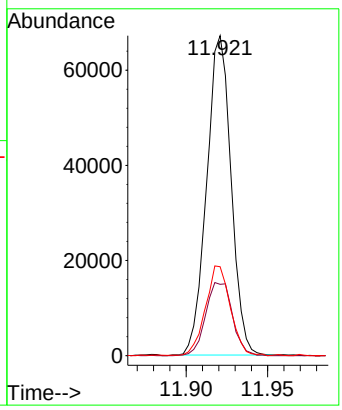




#69
p-Isopropyltoluene
Concen: 1.054 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:119 Resp: 6999

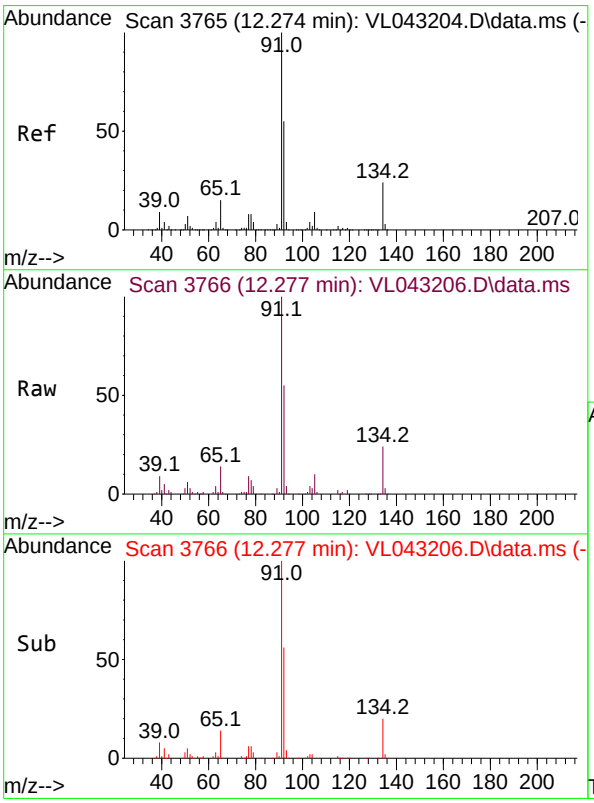
Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.2	30.2
91	28.9	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

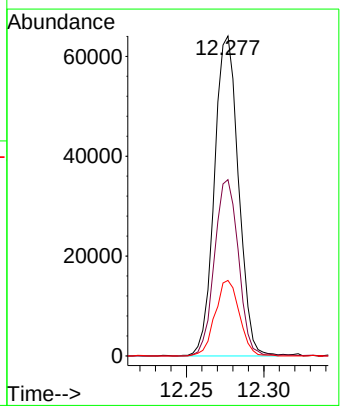
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

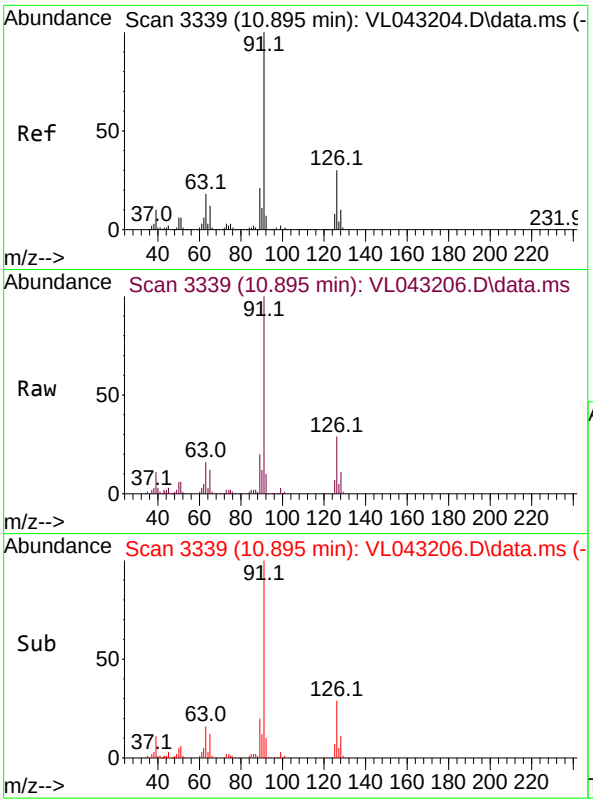


#70
n-Butylbenzene
Concen: 1.076 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 69323

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.5	65.3
134	23.8	19.0	28.6

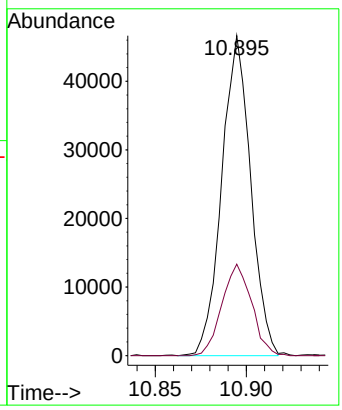




#71
2-Chlorotoluene
Concen: 1.065 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 5145

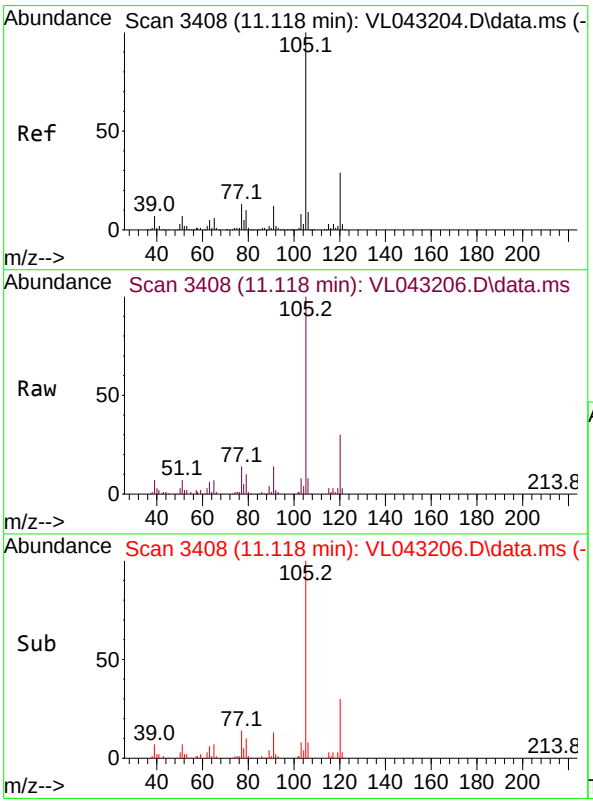
Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

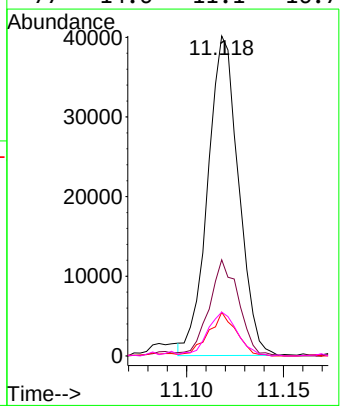
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

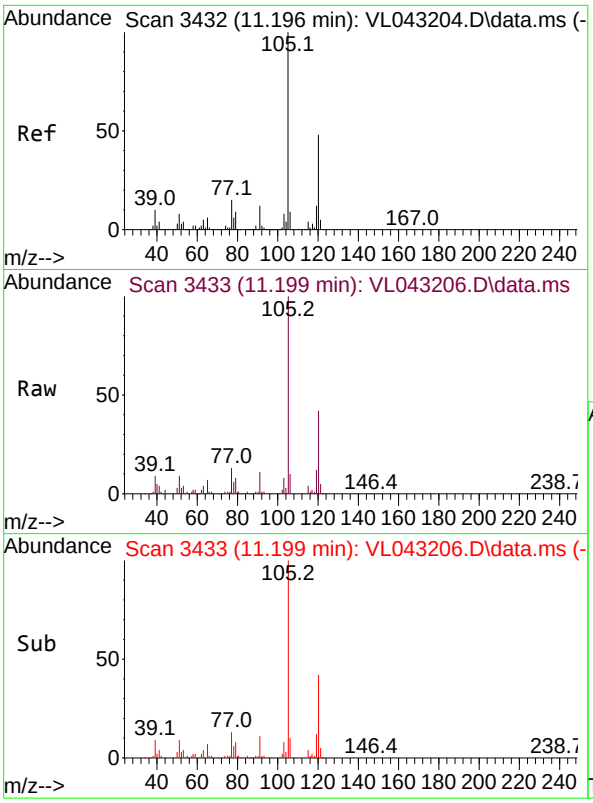


#72
4-Ethyltoluene
Concen: 1.037 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 44403

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.8	35.8
91	13.2	10.3	15.5
77	14.6	11.1	16.7

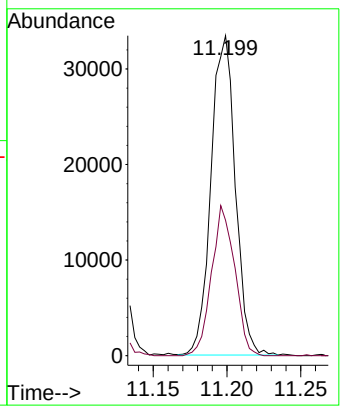




#73
1,3,5-Trimethylbenzene
Concen: 1.068 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 3835

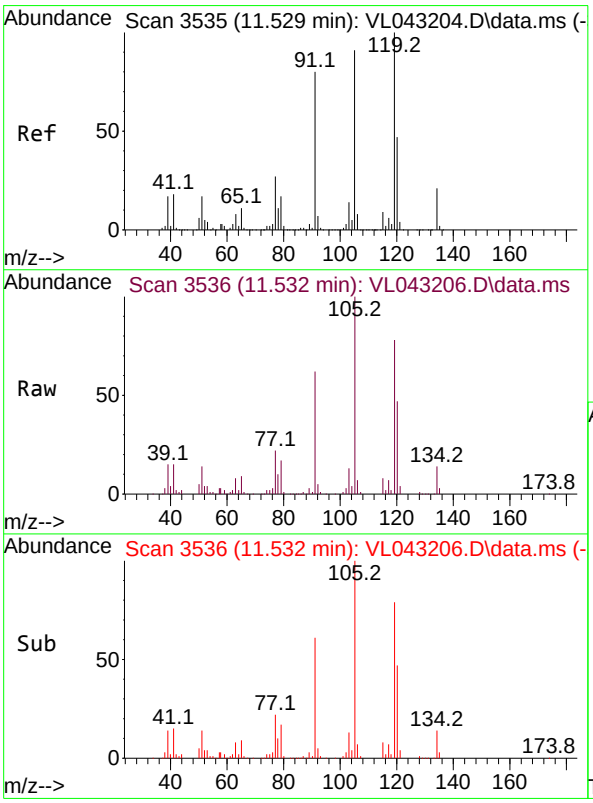
Ion	Ratio	Lower	Upper
105	100		
120	42.3	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

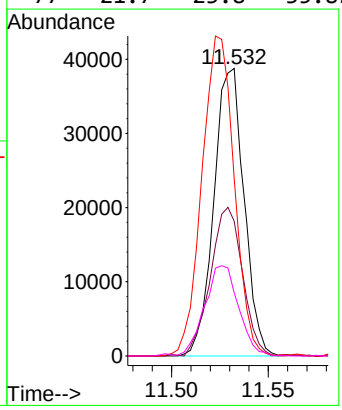
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

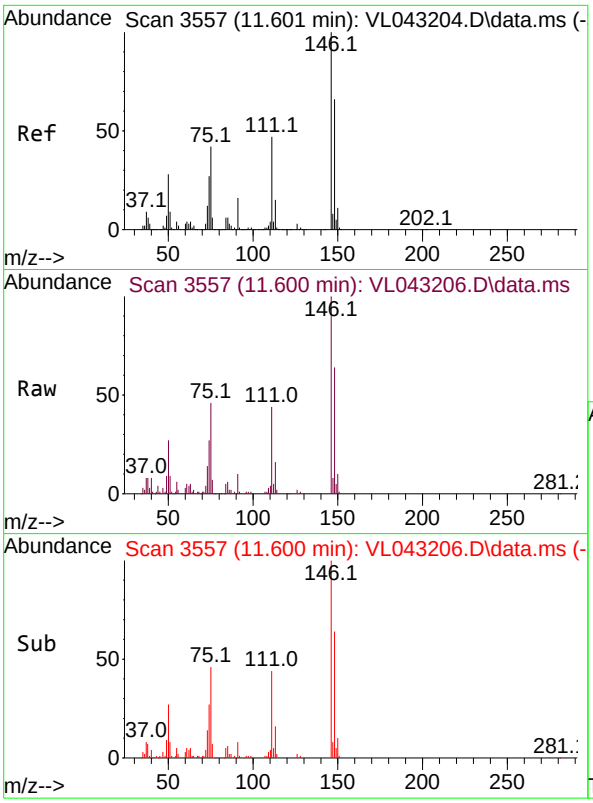


#74
1,2,4-Trimethylbenzene
Concen: 1.073 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 42051

Ion	Ratio	Lower	Upper
105	100		
120	46.8	41.7	62.5
91	61.4	70.0	105.0#
77	21.7	23.8	35.8#

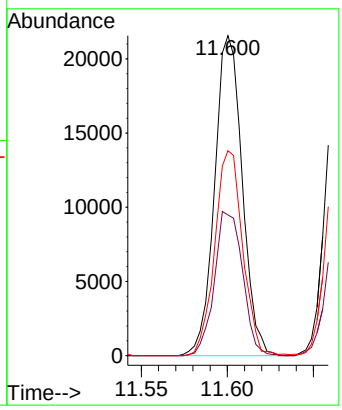




#75
1,3-Dichlorobenzene
Concen: 1.050 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:146 Resp: 2401

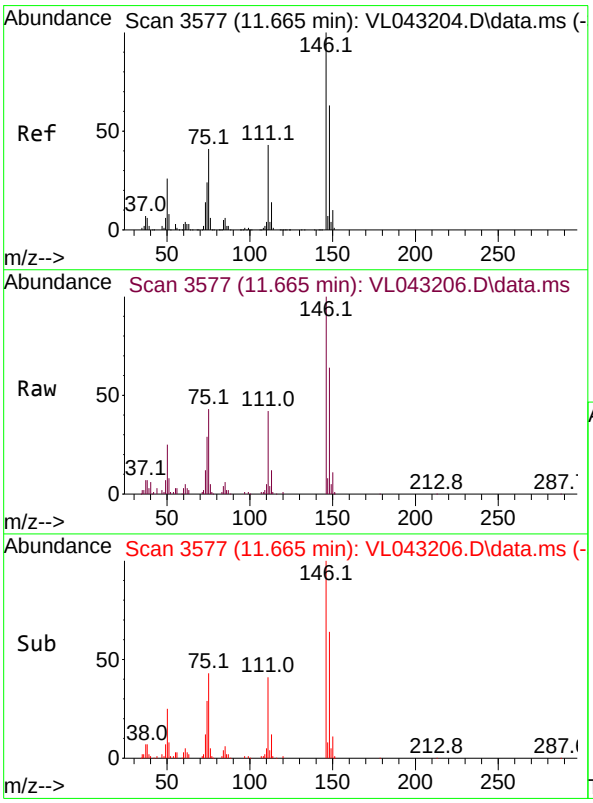
Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.4	70.3
148	64.7	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

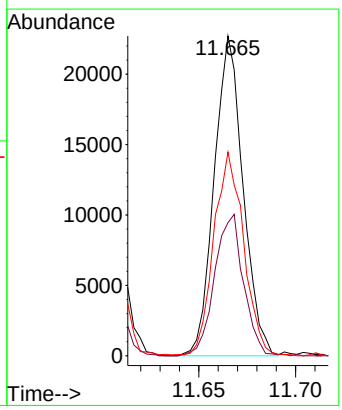
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

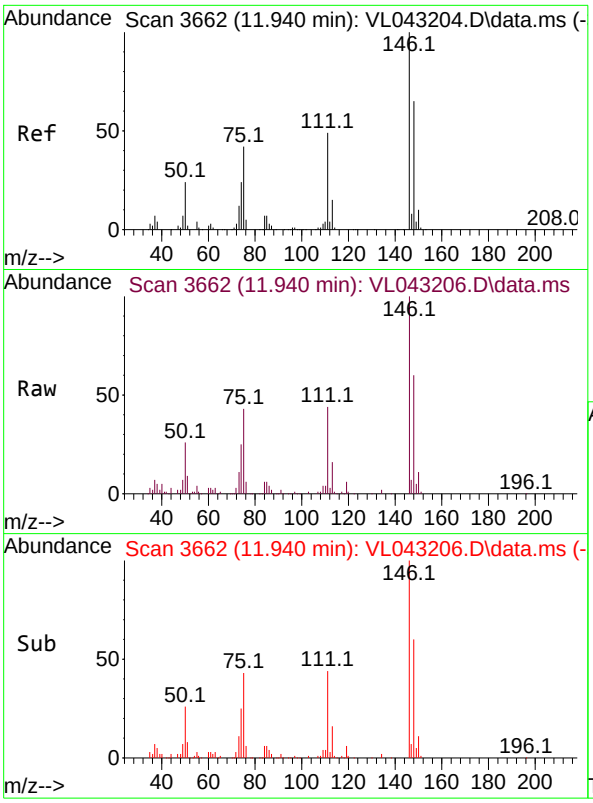


#76
1,4-Dichlorobenzene
Concen: 1.029 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:146 Resp: 23543

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.8	68.3
148	66.4	31.8	95.4

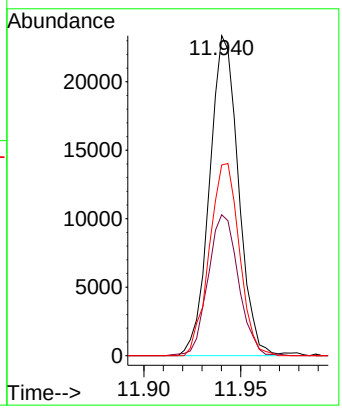




#77
1,2-Dichlorobenzene
Concen: 1.103 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:146 Resp: 2424

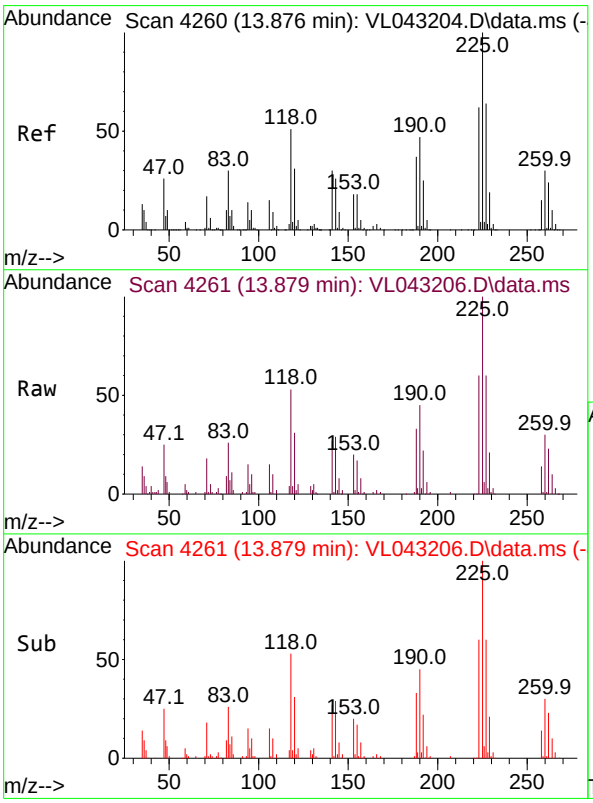
Ion	Ratio	Lower	Upper
146	100		
111	46.3	24.3	73.0
148	62.3	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

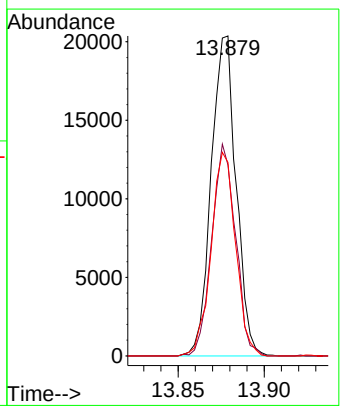
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

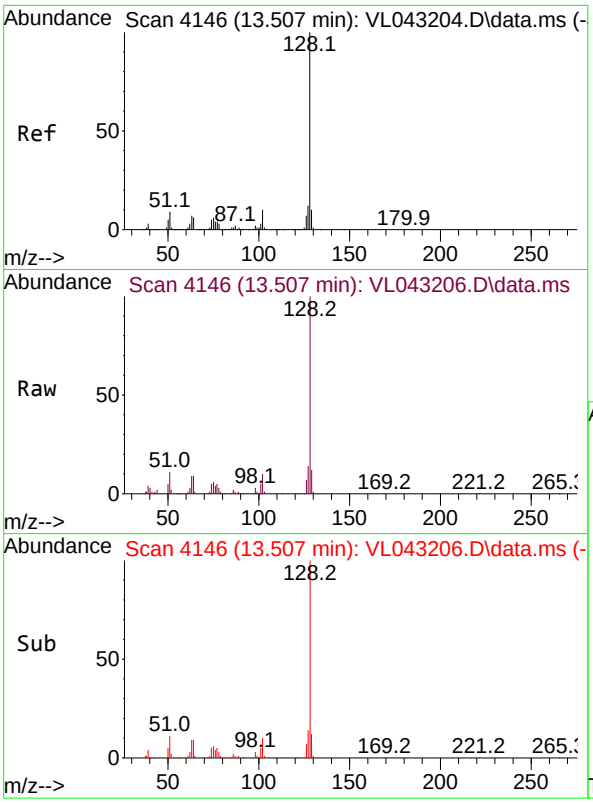


#78
Hexachloro-1,3-Butadiene
Concen: 1.116 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:225 Resp: 20489

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.4
227	62.5	51.1	76.7

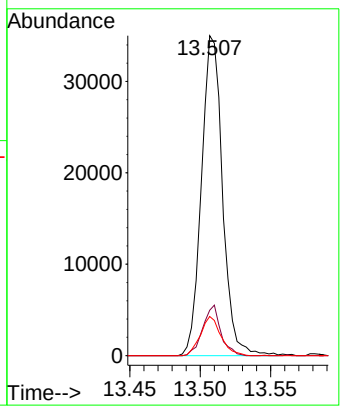




#79
Naphthalene
Concen: 1.047 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:128 Resp: 3646

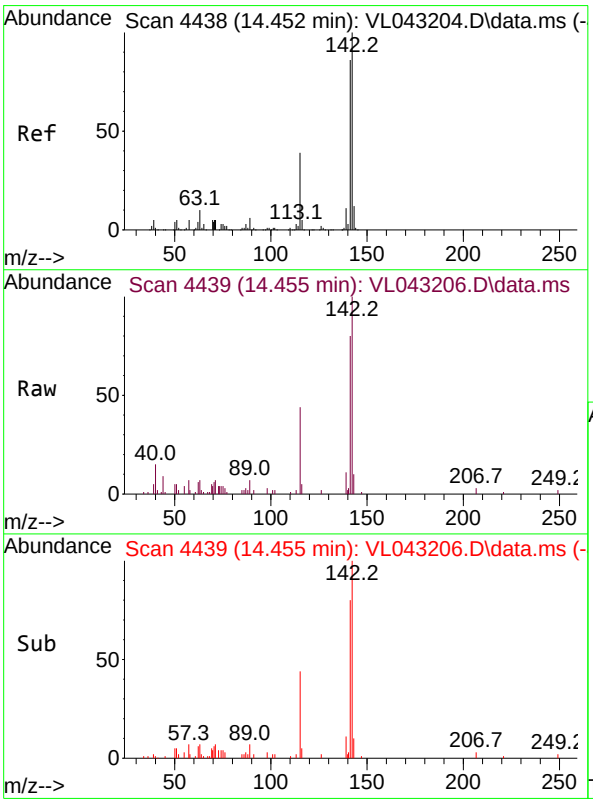
Ion	Ratio	Lower	Upper
128	100		
127	14.2	9.9	14.9
129	12.2	8.4	12.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

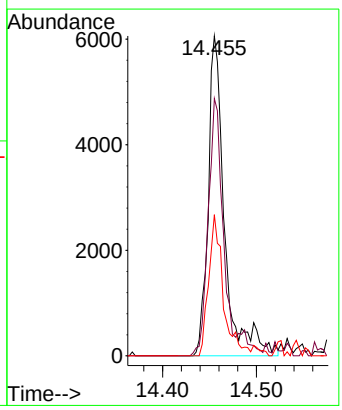
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

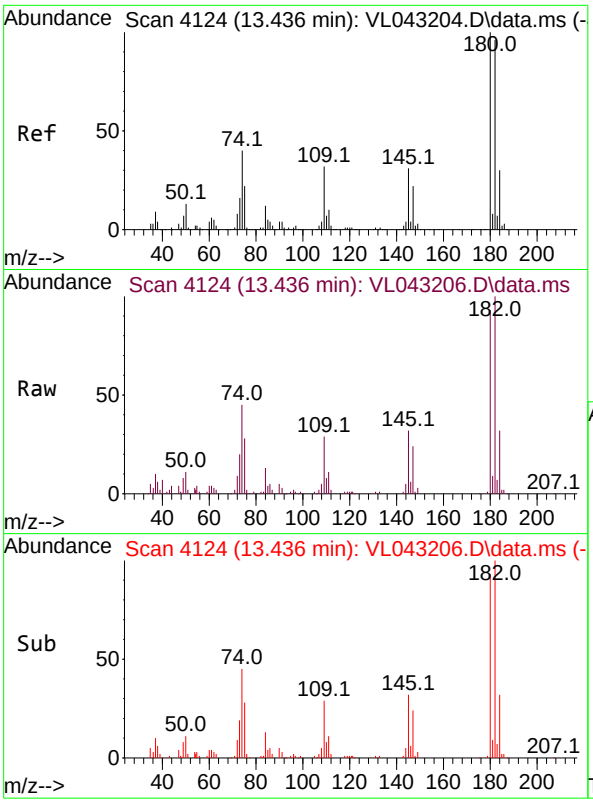


#80
Naphthalene,2-methyl-
Concen: 0.807 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:142 Resp: 7375

Ion	Ratio	Lower	Upper
142	100		
141	77.8	67.1	100.7
115	40.8	31.9	47.9

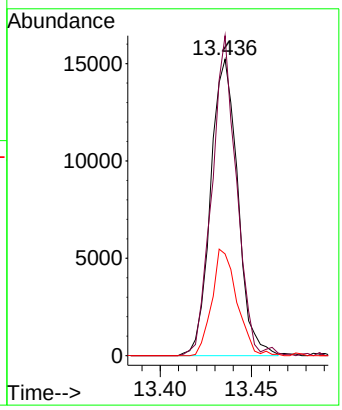




#81
1,2,4-Trichlorobenzene
Concen: 1.014 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:180 Resp: 1578

Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.4	116.2
184	33.4	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	101366	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273996	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	222034	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	160968	9.890	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.900%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	664	0.114	ppbv	97
32) 1,1,1-Trichloroethane	3.360	97	2074m	0.102	ppbv	
35) Carbon Tetrachloride	3.761	117	2097m	0.101	ppbv	
38) Trichloroethene	4.541	130	1302m	0.127	ppbv	
52) Tetrachloroethene	8.218	164	1161m	0.119	ppbv	
54) 1,2-Dibromoethane	7.648	107	1446m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.953	83	2296m	0.106	ppbv	
79) Naphthalene	13.510	128	2732m	0.081	ppbv	

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

Quantitation Report (QT Reviewed)

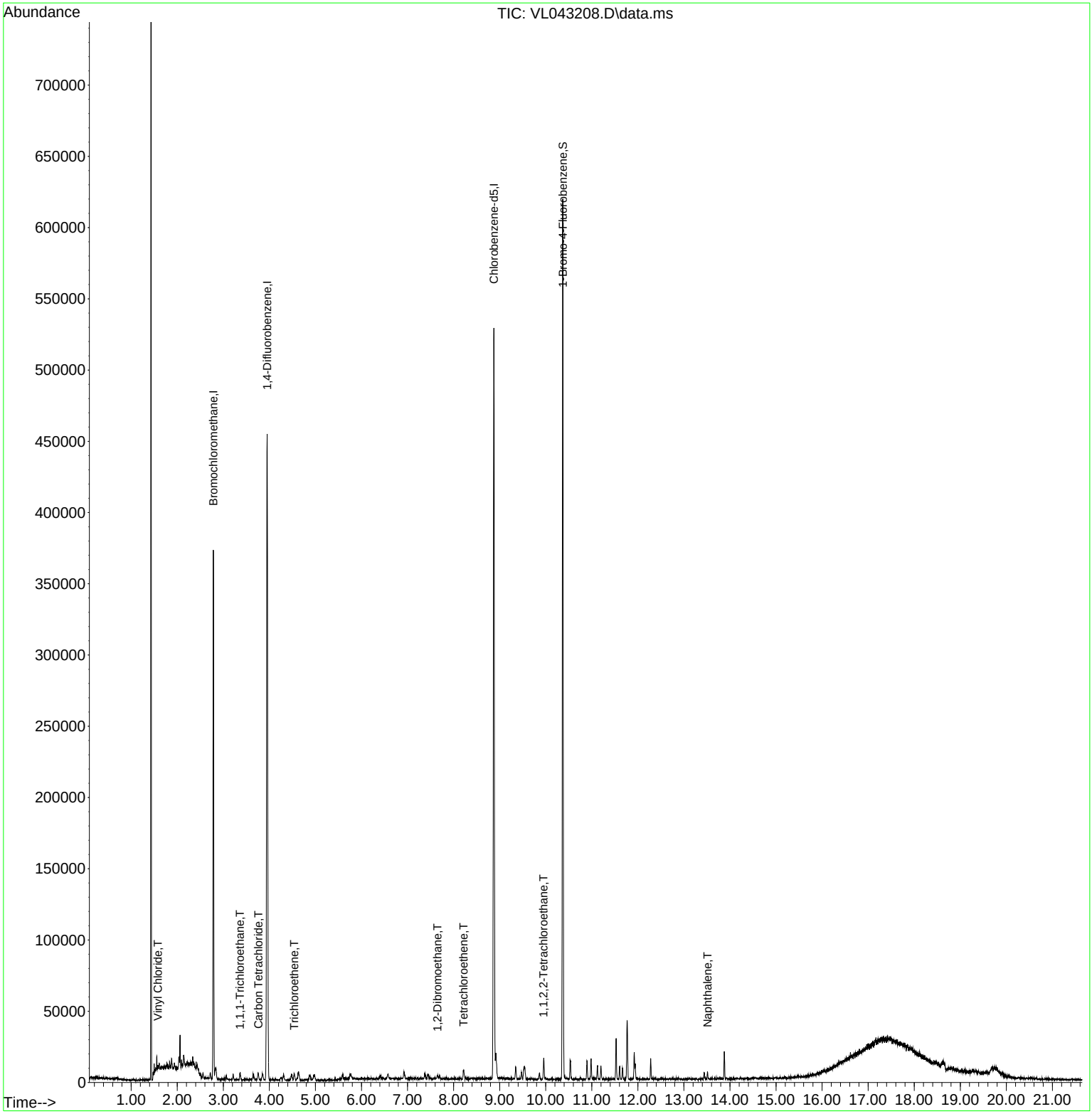
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

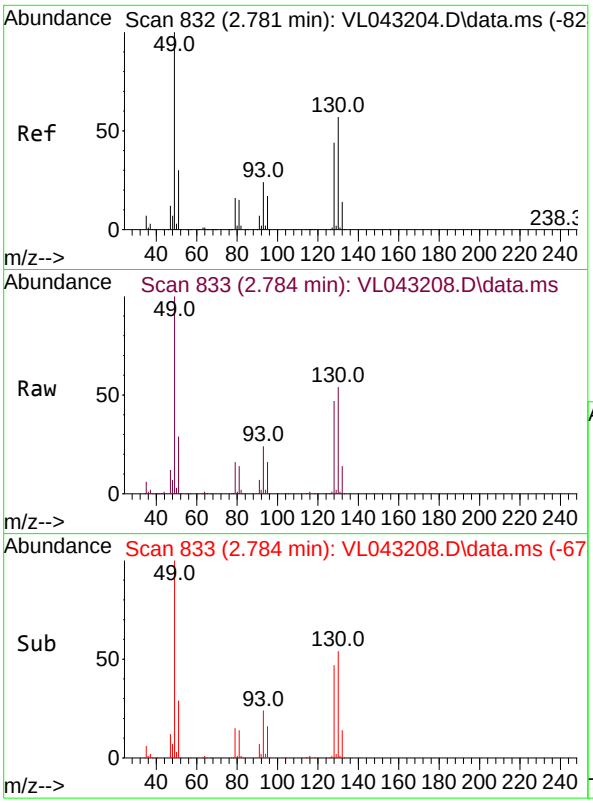
Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

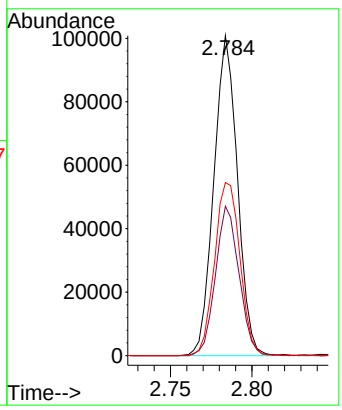




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 49 Resp: 10136

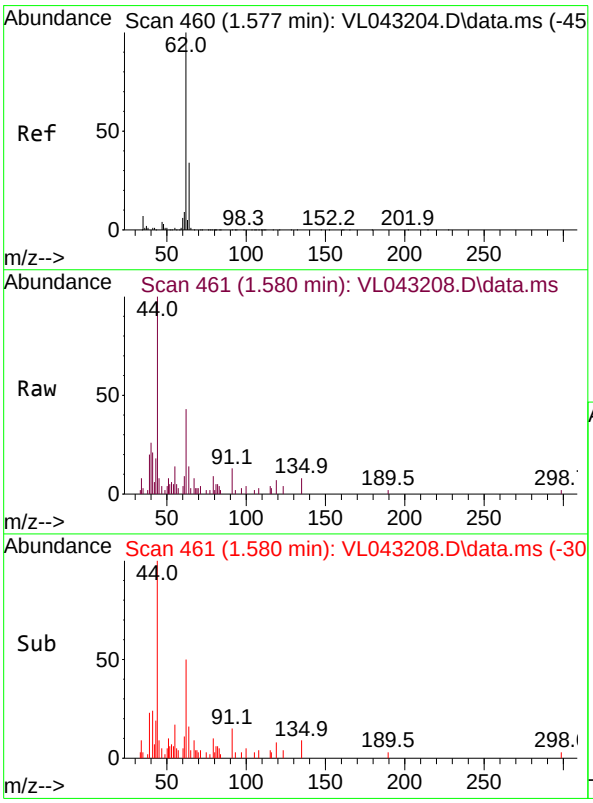
Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.0	69.0
130	58.3	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

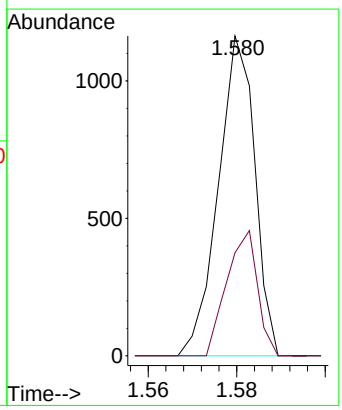
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

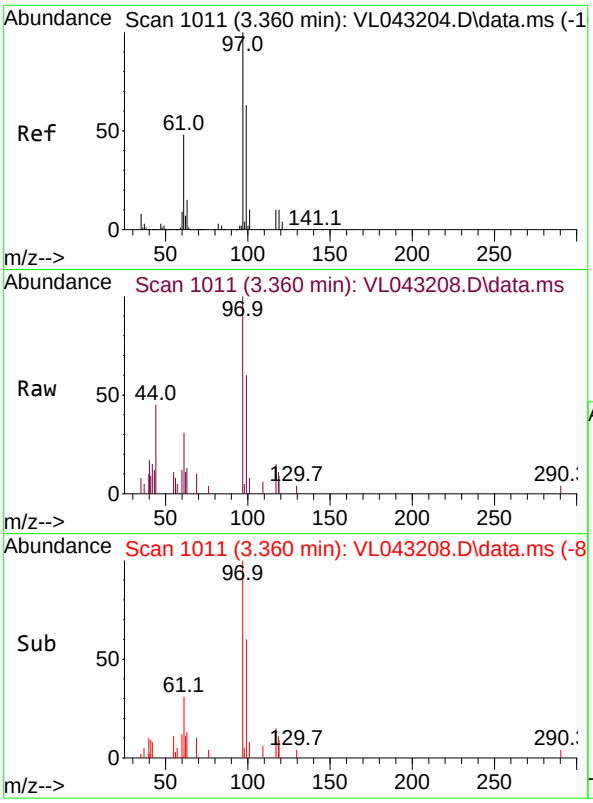


#5
Vinyl Chloride
Concen: 0.114 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 62 Resp: 664

Ion	Ratio	Lower	Upper
62	100		
64	32.2	27.3	40.9

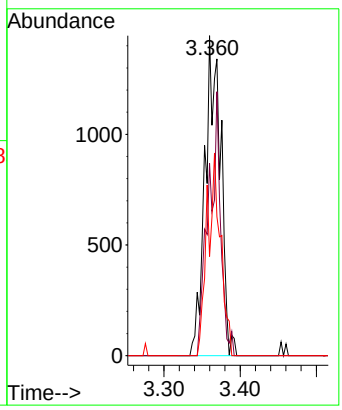




#32
1,1,1-Trichloroethane
Concen: 0.102 ppbv m
RT: 3.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 97 Resp: 207

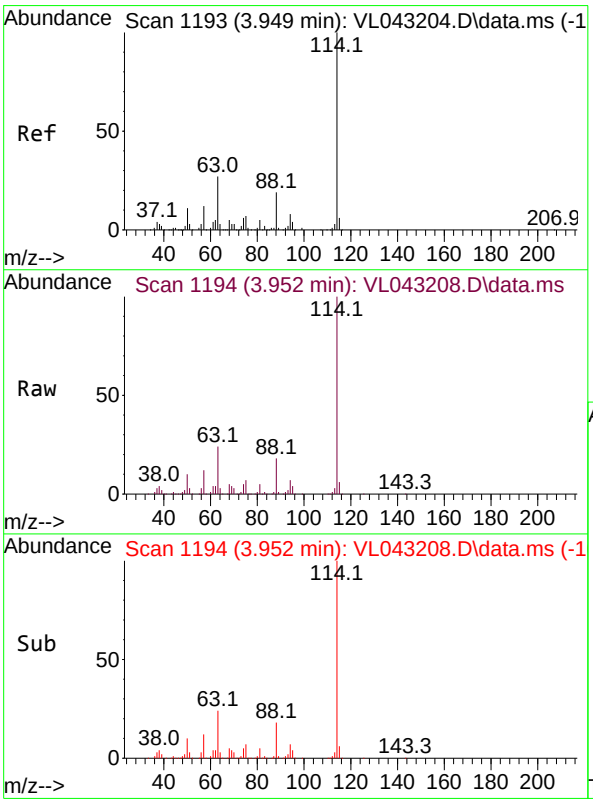
Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.3	75.5
61	53.5	38.9	58.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

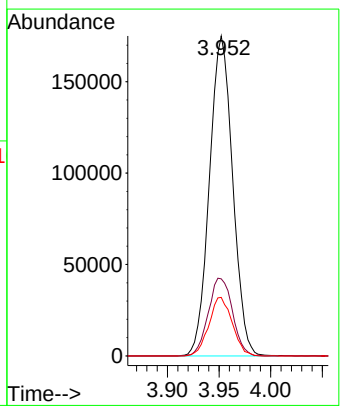
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

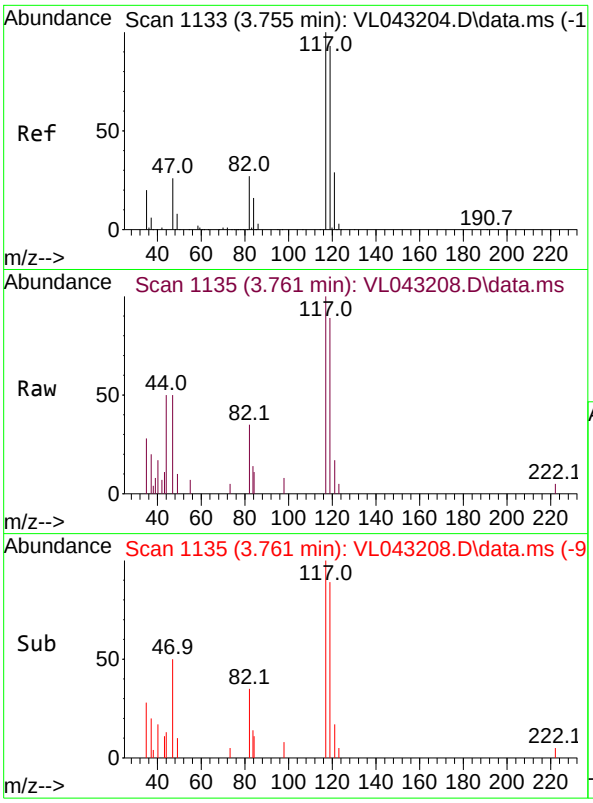


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:114 Resp: 273996

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.0	31.6
88	18.3	14.9	22.3

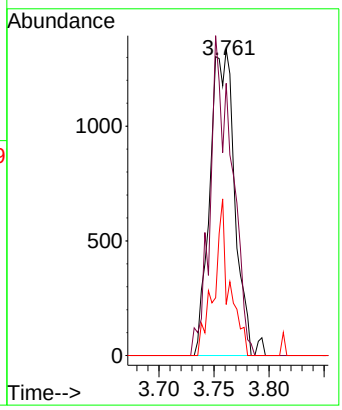




#35
Carbon Tetrachloride
Concen: 0.101 ppbv m
RT: 3.761 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:117 Resp: 209

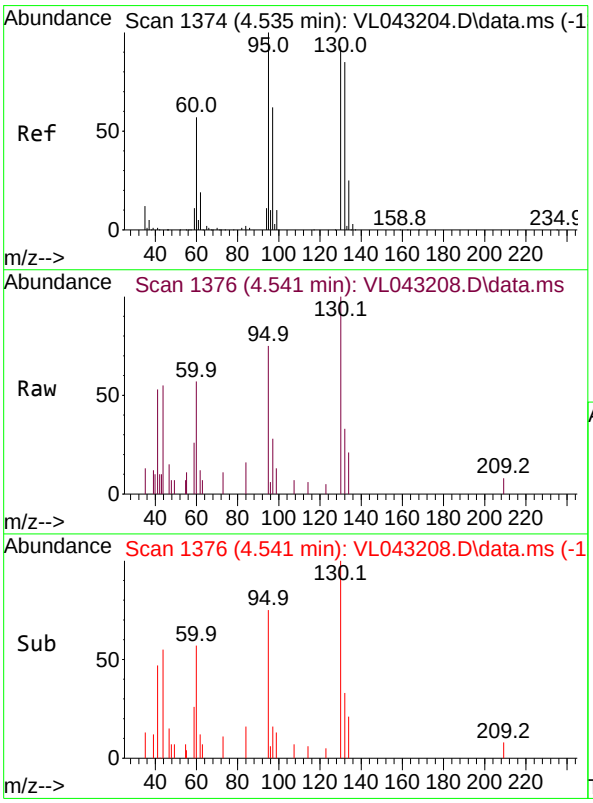
Ion	Ratio	Lower	Upper
117	100		
119	88.9	74.6	112.0
121	16.7	23.2	34.8#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

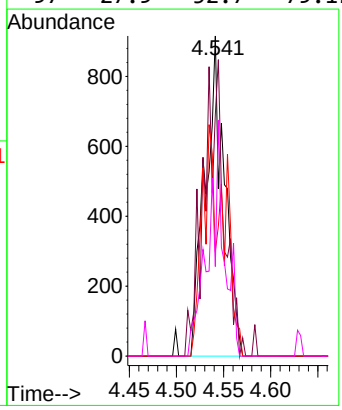
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

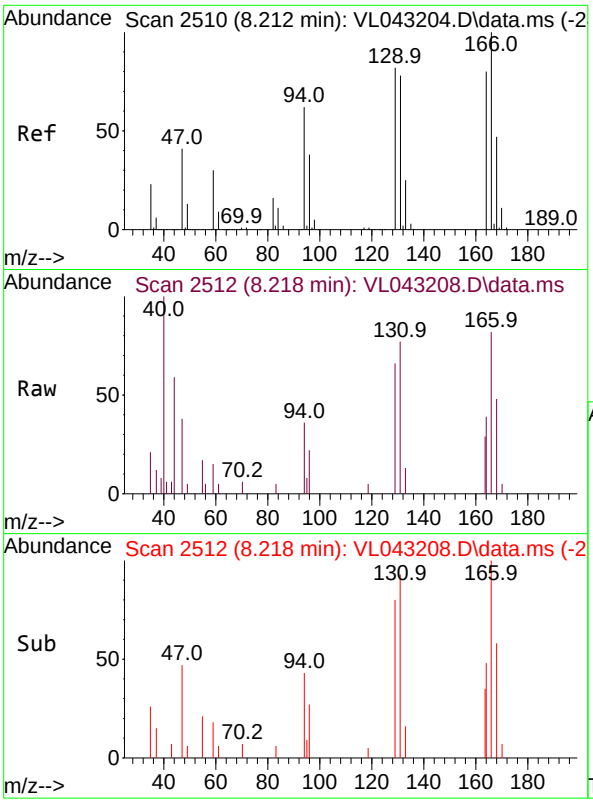


#38
Trichloroethene
Concen: 0.127 ppbv m
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:130 Resp: 1302

Ion	Ratio	Lower	Upper
130	100		
95	75.4	85.7	128.5#
132	32.6	73.4	110.0#
97	27.9	52.7	79.1#

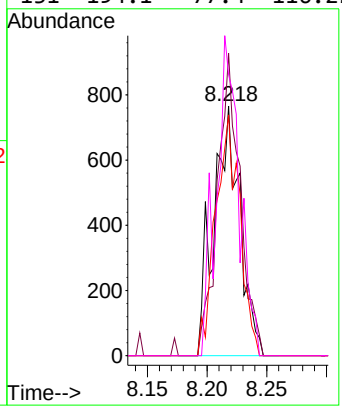




#52
Tetrachloroethene
Concen: 0.119 ppbv m
RT: 8.218 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:164 Resp: 116

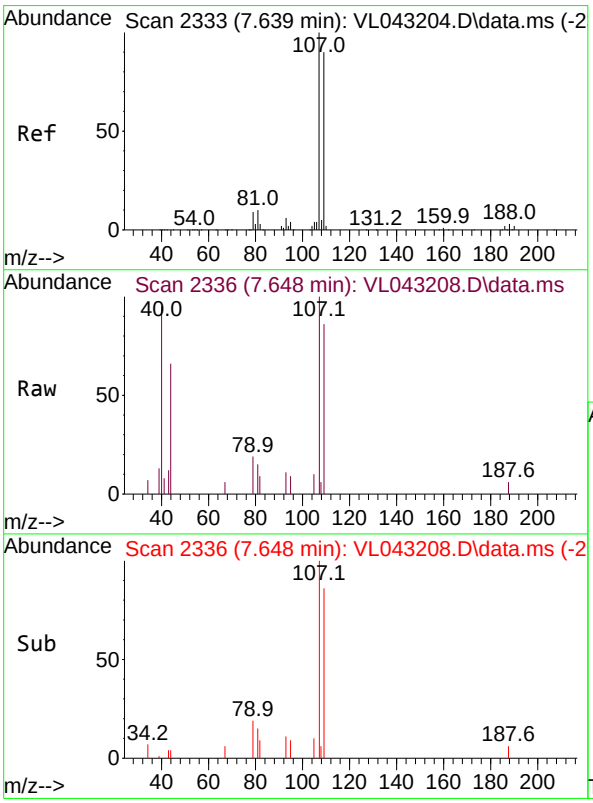
Ion	Ratio	Lower	Upper
164	100		
166	209.0	99.4	149.2#
129	166.4	81.8	122.8#
131	194.1	77.4	116.2#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

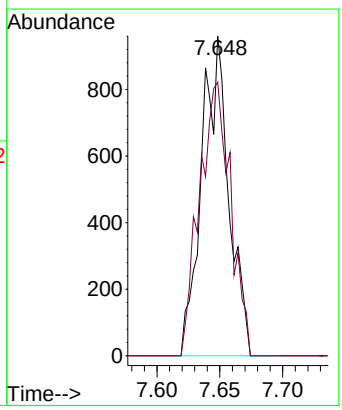
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

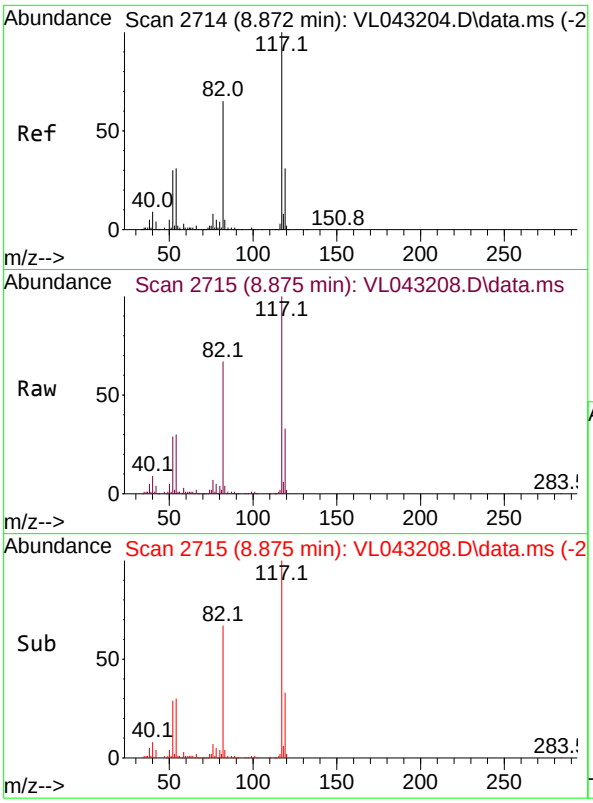


#54
1,2-Dibromoethane
Concen: 0.096 ppbv m
RT: 7.648 min Scan# 2336
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:107 Resp: 1446

Ion	Ratio	Lower	Upper
107	100		
109	85.5	72.1	108.1

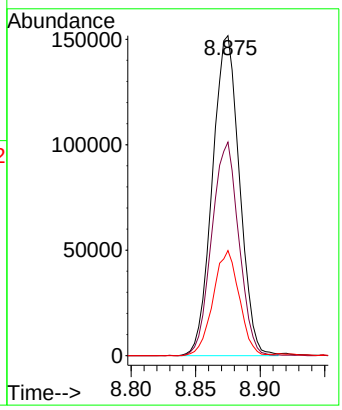




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:117 Resp: 22203

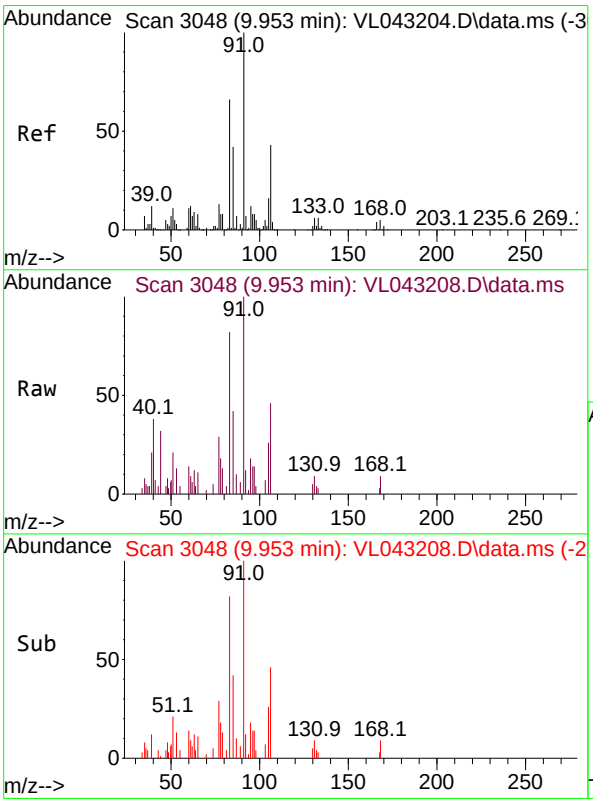
Ion	Ratio	Lower	Upper
117	100		
82	66.4	56.1	84.1
119	32.2	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

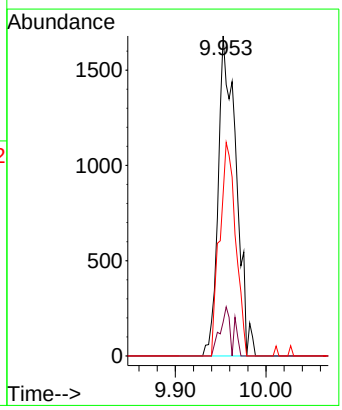
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

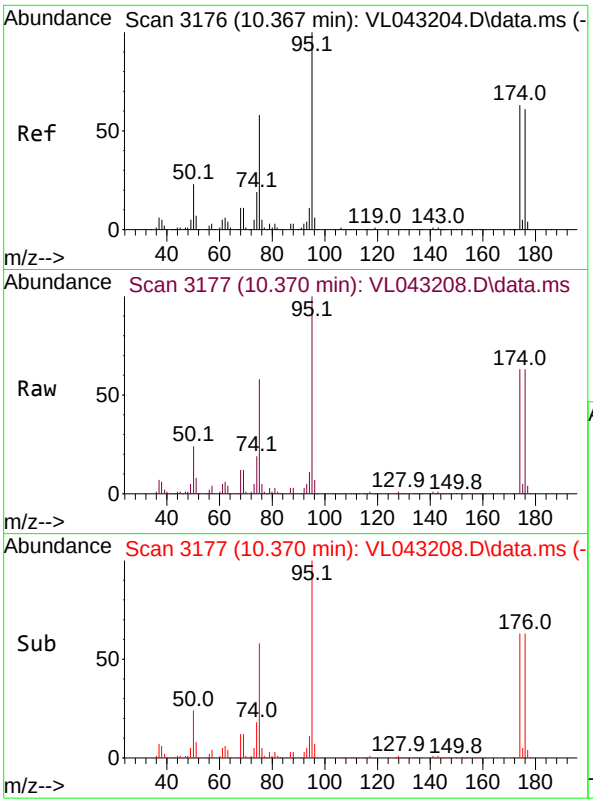


#63
1,1,2,2-Tetrachloroethane
Concen: 0.106 ppbv m
RT: 9.953 min Scan# 3048
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 83 Resp: 2296

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	59.6	31.9	95.9

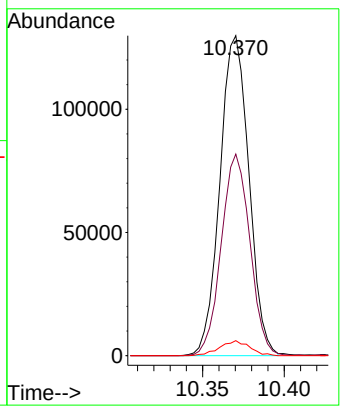




#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.370 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 95 Resp: 160968

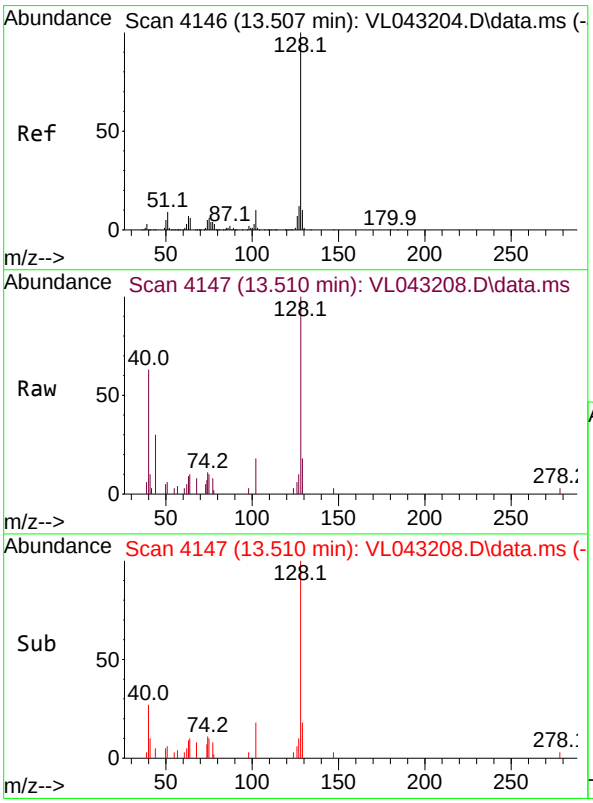
Ion	Ratio	Lower	Upper
95	100		
174	62.5	50.2	75.2
175	4.8	4.1	6.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

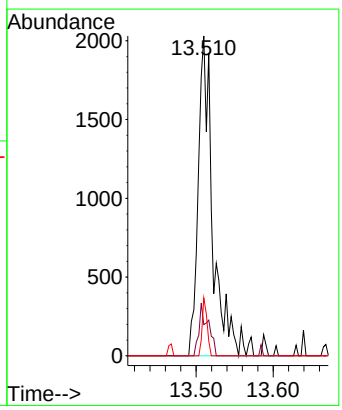
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#79
Naphthalene
Concen: 0.081 ppbv m
RT: 13.510 min Scan# 4147
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:128 Resp: 2732

Ion	Ratio	Lower	Upper
128	100		
127	9.7	9.9	14.9#
129	18.1	8.4	12.6#



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043209.D
Acq On : 18 Nov 2025 12:49
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:52:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	98952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	266012	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	213547	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	152015	9.712	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.100%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	215m	0.038	ppbv	
32) 1,1,1-Trichloroethane	3.357	97	628m	0.032	ppbv	
35) Carbon Tetrachloride	3.758	117	664m	0.033	ppbv	
38) Trichloroethene	4.542	130	234m	0.023	ppbv	
52) Tetrachloroethene	8.222	164	290m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	640m	0.031	ppbv	

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

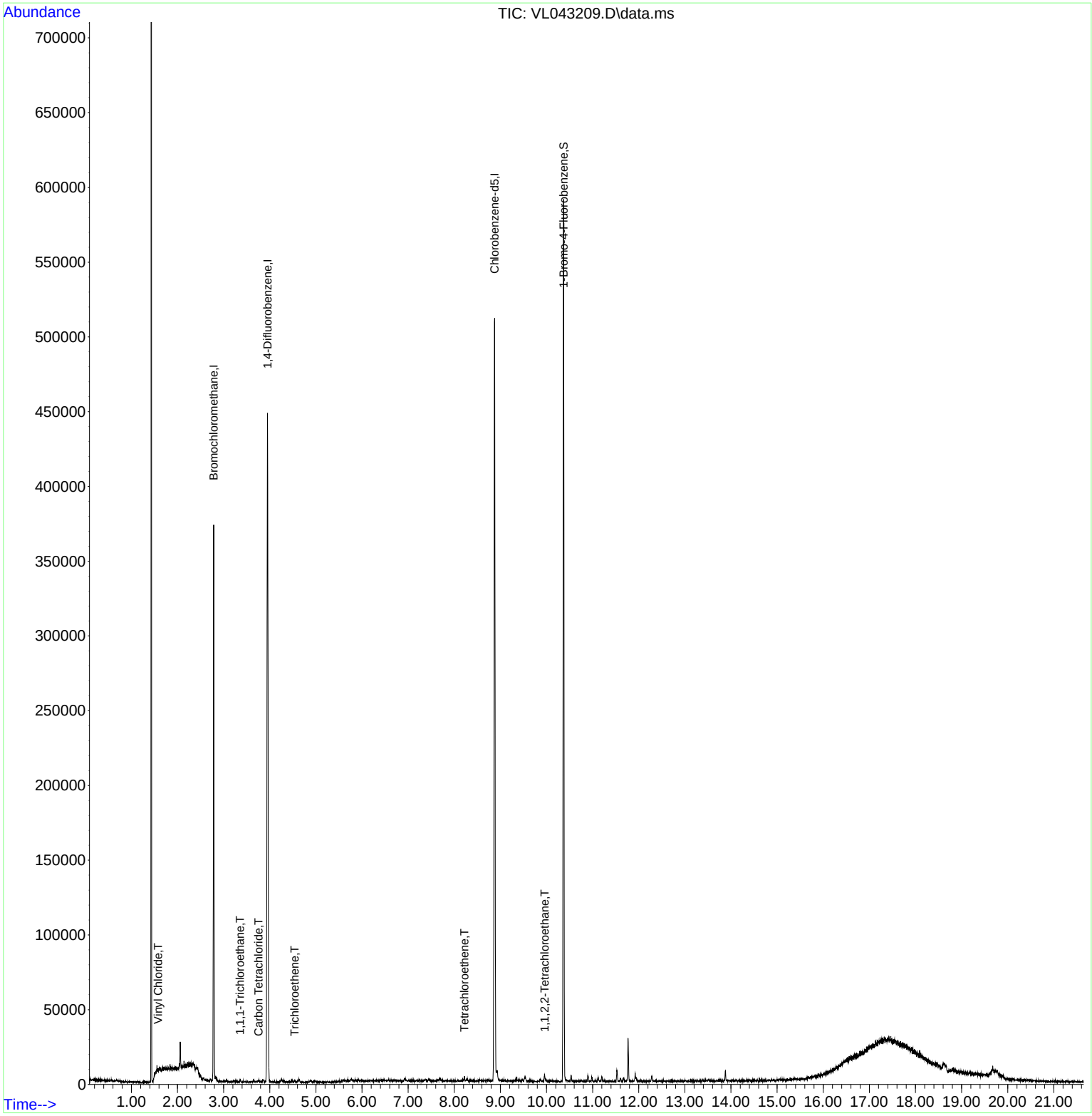
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Data File : VL043209.D
Acq On : 18 Nov 2025 12:49
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

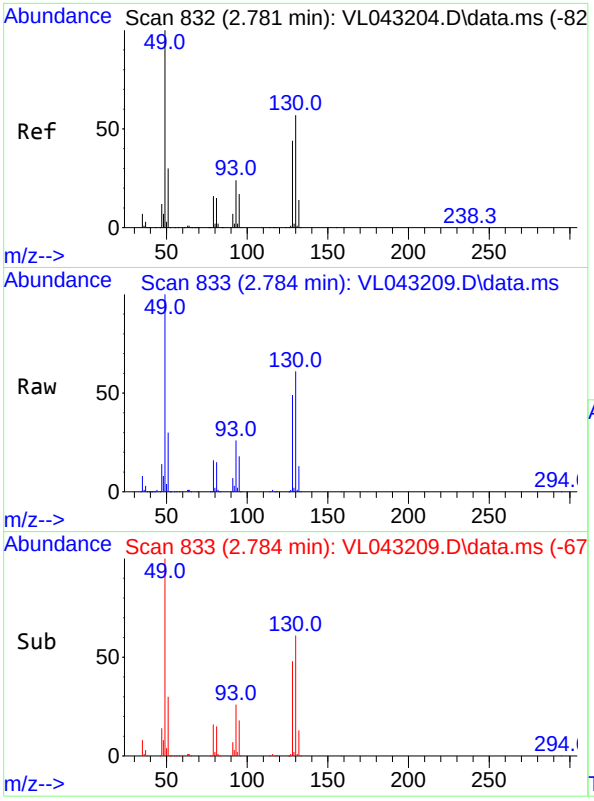
Quant Time: Nov 19 00:52:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

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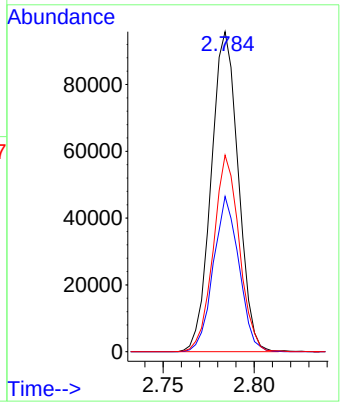




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 49 Resp: 9895

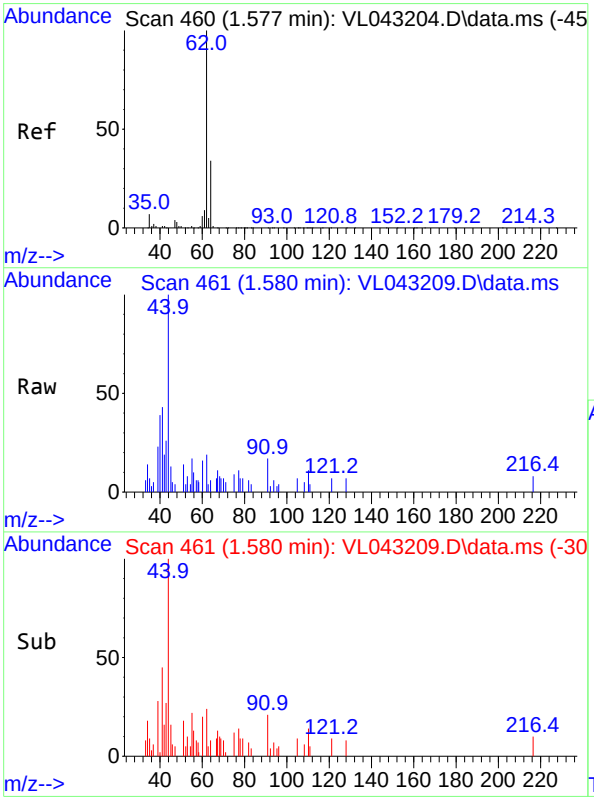
Ion	Ratio	Lower	Upper
49	100		
128	45.9	23.0	69.0
130	58.8	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

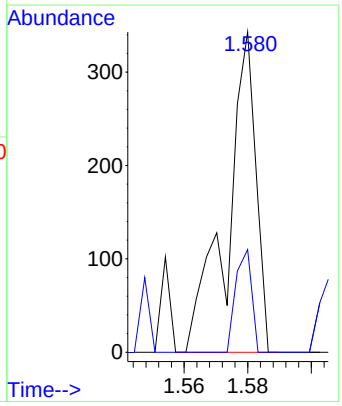
Reviewed By :Semsettin Yesilyurt 11/19/2025
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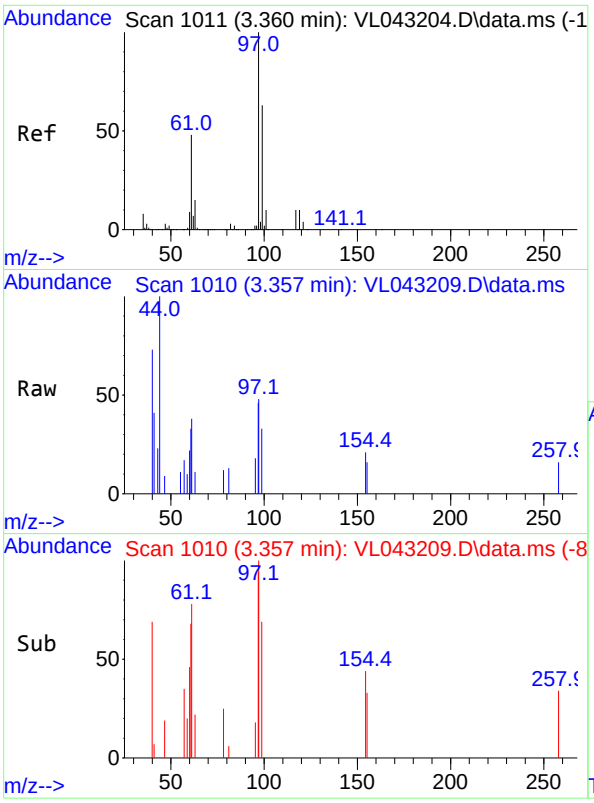


#5
Vinyl Chloride
Concen: 0.038 ppbv m
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 62 Resp: 215

Ion	Ratio	Lower	Upper
62	100		
64	32.1	27.3	40.9

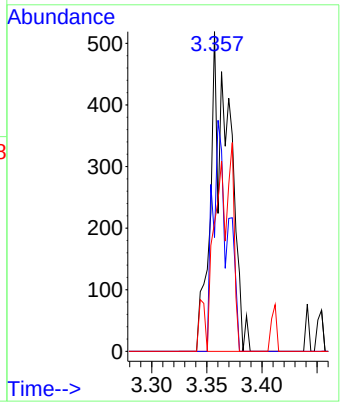




#32
1,1,1-Trichloroethane
Concen: 0.032 ppbv m
RT: 3.357 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 97 Resp: 62

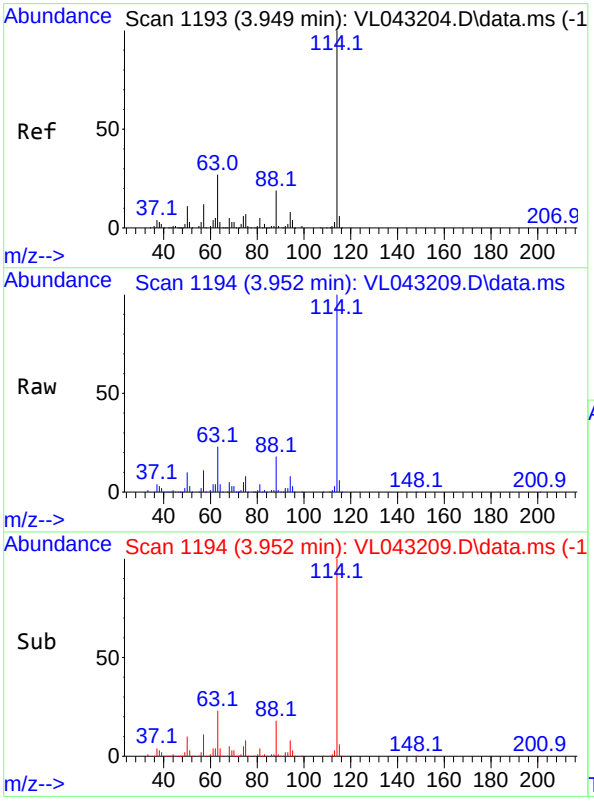
Ion	Ratio	Lower	Upper
97	100		
99	56.8	50.3	75.5
61	0.0	38.9	58.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

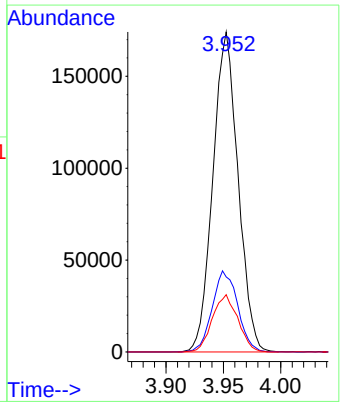
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

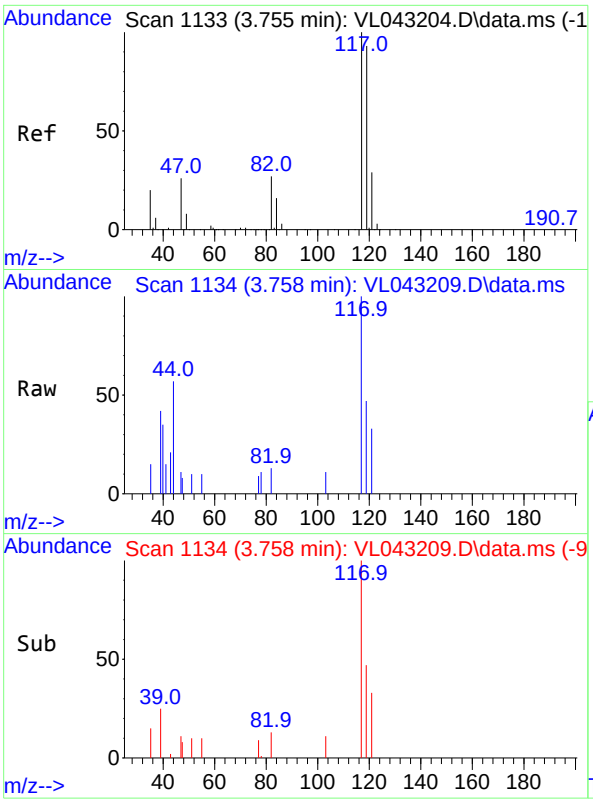


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:114 Resp: 266012

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	18.2	14.9	22.3

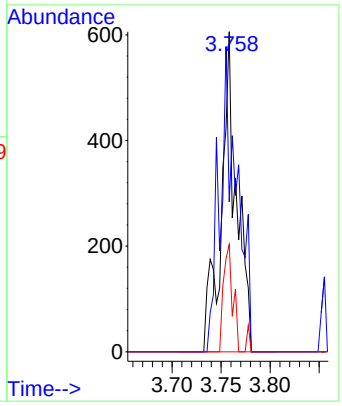




#35
Carbon Tetrachloride
Concen: 0.033 ppbv m
RT: 3.758 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:117 Resp: 66

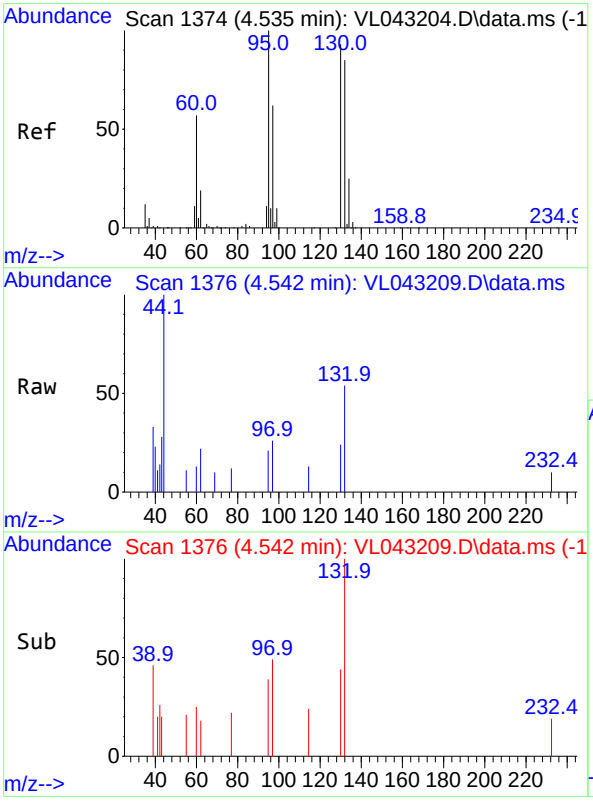
Ion	Ratio	Lower	Upper
117	100		
119	46.9	74.6	112.0#
121	33.5	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

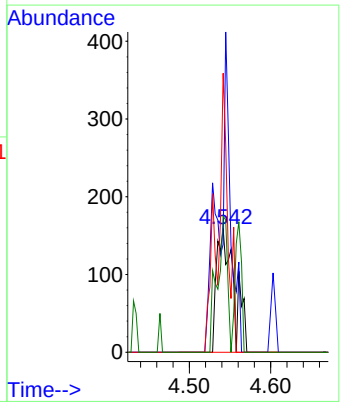
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

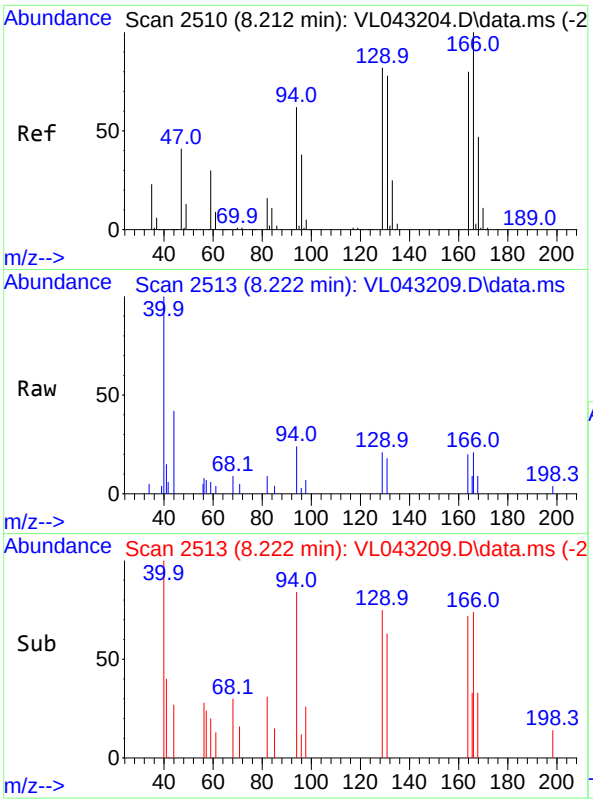


#38
Trichloroethene
Concen: 0.023 ppbv m
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:130 Resp: 234

Ion	Ratio	Lower	Upper
130	100		
95	87.4	85.7	128.5
132	225.8	73.4	110.0#
97	110.1	52.7	79.1#

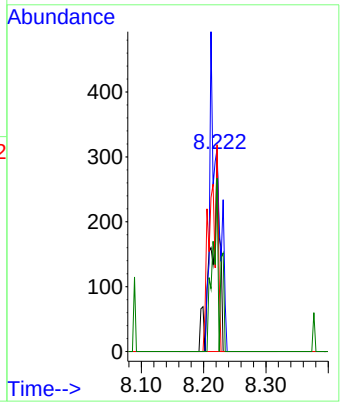




#52
Tetrachloroethene
Concen: 0.031 ppbv m
RT: 8.222 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:164 Resp: 29

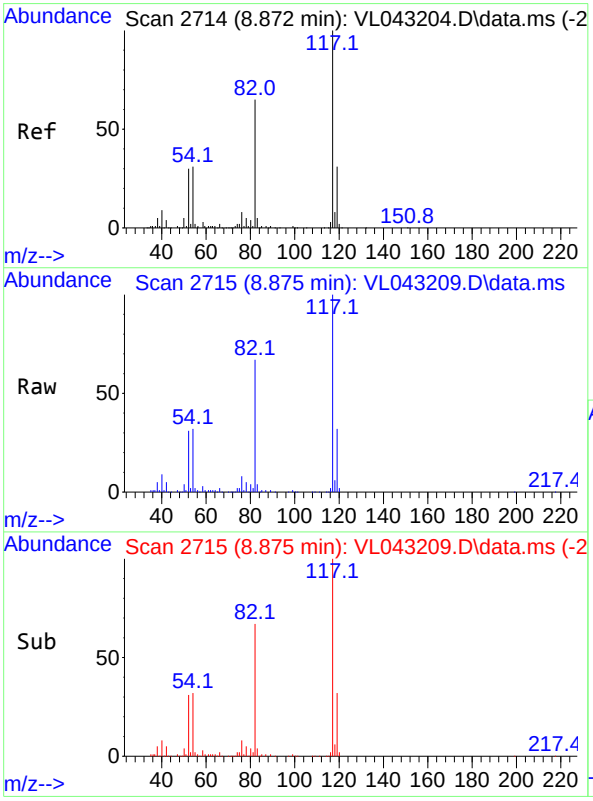
Ion	Ratio	Lower	Upper
164	100		
166	102.3	99.4	149.2
129	104.6	81.8	122.8
131	87.5	77.4	116.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

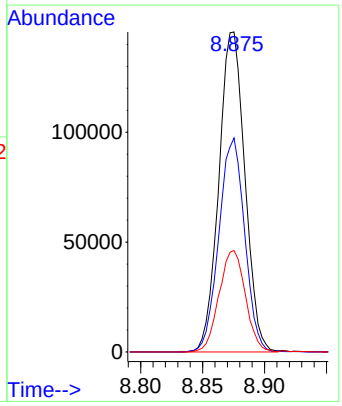
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

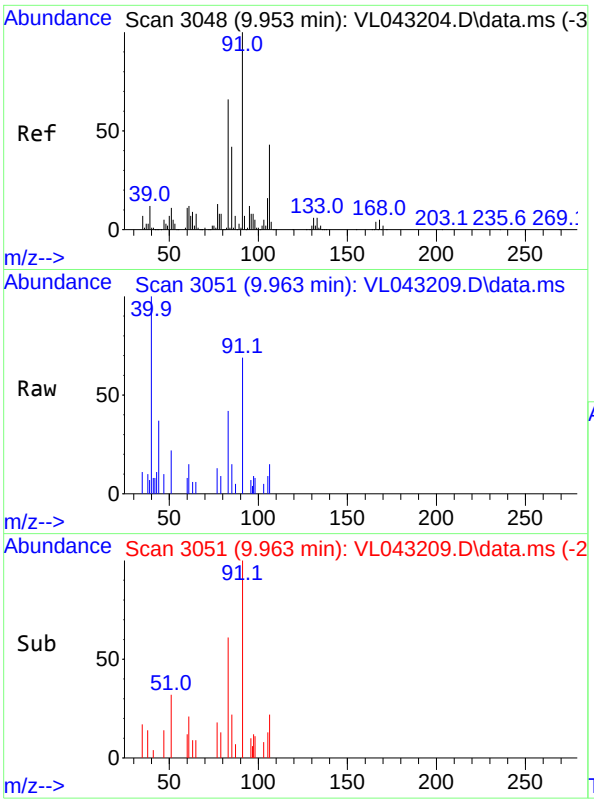


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:117 Resp: 213547

Ion	Ratio	Lower	Upper
117	100		
82	66.2	56.1	84.1
119	32.3	25.0	37.6

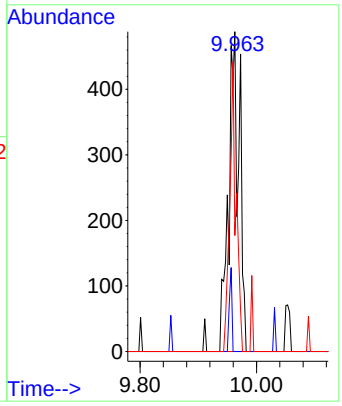




#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv m
RT: 9.963 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 83 Resp: 64

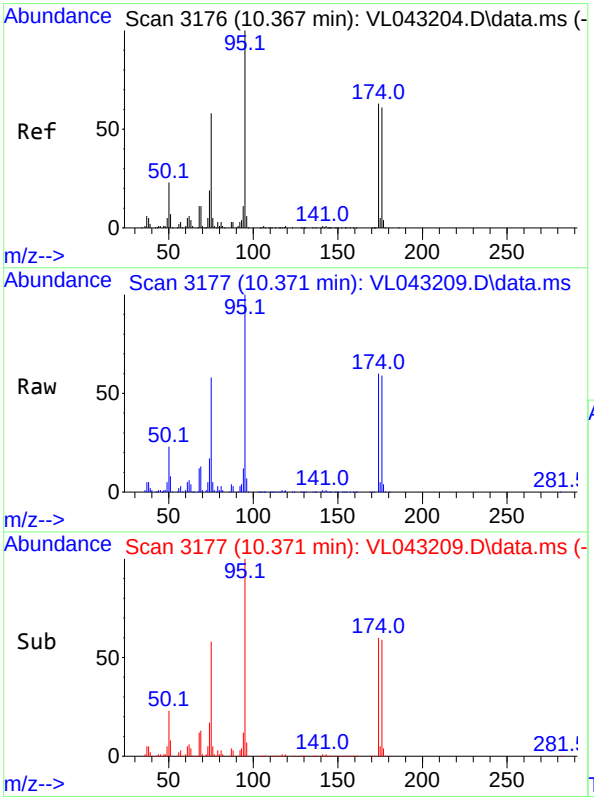
Ion	Ratio	Lower	Upper
83	100		
131	6.1	4.8	14.3
85	52.8	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

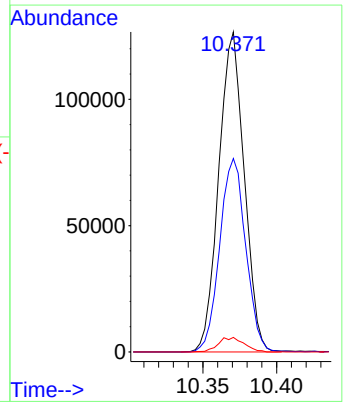
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 95 Resp: 152015

Ion	Ratio	Lower	Upper
95	100		
174	62.0	50.2	75.2
175	4.6	4.1	6.1



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043210.D
Acq On : 18 Nov 2025 13:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	98968	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	258461	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	211247	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	159814	10.321	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	197987	14.184	ppbv	99
3) Chlorodifluoromethane	1.476	51	182813	13.317	ppbv	98
4) Chloromethane	1.531	50	72636	13.918	ppbv	97
5) Vinyl Chloride	1.580	62	71671	12.557	ppbv	96
6) Bromomethane	1.667	94	38265	13.830	ppbv	98
7) Chloroethane	1.703	64	29584	13.309	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	165709	14.271	ppbv	97
9) Propene	1.483	41	81393m	12.782	ppbv	
10) Heptane	4.972	43	225935	12.934	ppbv	100
11) Trichlorofluoromethane	1.874	101	200703	14.840	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	152772	14.469	ppbv	98
13) Ethanol	1.719	45	25468	12.425	ppbv	99
14) Bromoethene	1.781	108	55813	13.789	ppbv	96
15) Acetone	1.832	43	161036	11.712	ppbv	99
16) 1,3-Butadiene	1.609	39	81077	13.226	ppbv	99
17) tert-Butyl alcohol	2.036	59	257617	14.274	ppbv	99
18) 1,1-Dichloroethene	2.033	96	65731	13.370	ppbv	96
19) Isopropyl Alcohol	1.881	45	105271	13.549	ppbv	99
20) Methylene Chloride	2.059	84	59798	15.164	ppbv	93
21) Allyl Chloride	2.094	41	126959	13.724	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	77386	13.772	ppbv	94
23) Vinyl Acetate	2.457	43	232315	13.995	ppbv	99
24) 1,1-Dichloroethane	2.405	63	155017	14.292	ppbv	98
25) Ethyl Acetate	2.829	43	394074	13.265	ppbv	99
26) Hexane	2.823	57	172303	13.252	ppbv	97
27) Carbon Disulfide	2.150	76	191612	14.435	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	91132	14.279	ppbv	97
29) Chloroform	2.845	83	262803	14.221	ppbv	100
30) Cyclohexane	3.852	84	152015	13.946	ppbv	94
31) cis-1,2-Dichloroethene	2.716	61	180647	13.978	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	276915	13.930	ppbv	98
34) 2-Butanone	2.551	43	253855	13.914	ppbv	100
35) Carbon Tetrachloride	3.755	117	279560	14.250	ppbv	96
36) Benzene	3.651	78	348892	14.096	ppbv	99
37) 1,2-Dichloroethane	3.214	62	214248	14.798	ppbv	98
38) Trichloroethene	4.541	130	137027	14.123	ppbv	93
39) 1,2-Dichloropropane	4.302	63	128700	14.206	ppbv	98
40) 1,4-Dioxane	4.571	88	55905	13.728	ppbv #	95
41) Tetrahydrofuran	3.043	42	139722	13.868	ppbv	99
42) Bromodichloromethane	4.480	83	294008	14.721	ppbv	97
43) Methyl Methacrylate	4.872	69	179110	13.633	ppbv	100
44) 2,2,4-Trimethylpentane	4.632	57	595778	14.014	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	177678	14.508	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043210.D
Acq On : 18 Nov 2025 13:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 00:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.587	75	205226	14.270	ppbv		100
47)	1,1,2-Trichloroethane	6.571	97	132701	13.738	ppbv		92
48)	Dibromochloromethane	7.377	129	240736	14.564	ppbv		99
49)	Bromoform	9.477	173	211325	14.434	ppbv		99
50)	4-Methyl-2-Pentanone	5.732	43	354421	13.790	ppbv		99
51)	2-Hexanone	7.422	43	280742	14.067	ppbv	#	100
52)	Tetrachloroethene	8.218	164	125132	13.591	ppbv		93
53)	Toluene	6.924	91	414411	14.050	ppbv		99
54)	1,2-Dibromoethane	7.642	107	203913	14.413	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.917	131	214673	13.827	ppbv		99
57)	Chlorobenzene	8.914	112	301986	13.923	ppbv		98
58)	Ethyl Benzene	9.348	91	579890	14.262	ppbv		99
59)	m/p-Xylene	9.545	91	916113m	28.000	ppbv		
60)	o-Xylene	9.956	91	450260	13.826	ppbv		99
61)	Styrene	9.862	104	204972	14.382	ppbv		99
62)	Isopropylbenzene	10.532	105	803487	13.791	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.956	83	280254	13.557	ppbv		99
64)	n-propylbenzene	10.986	120	205637	13.737	ppbv		100
65)	tert-Butylbenzene	11.526	119	689352	13.249	ppbv		98
66)	Benzyl Chloride	11.610	91	71386	13.520	ppbv		100
67)	sec-Butylbenzene	11.762	105	972780	13.394	ppbv		100
69)	p-Isopropyltoluene	11.921	119	836888	13.602	ppbv		99
70)	n-Butylbenzene	12.277	91	838598	14.050	ppbv		99
71)	2-Chlorotoluene	10.895	91	625884	13.976	ppbv		100
72)	4-Ethyltoluene	11.121	105	553654	13.961	ppbv		99
73)	1,3,5-Trimethylbenzene	11.199	105	460783	13.846	ppbv		97
74)	1,2,4-Trimethylbenzene	11.533	105	486995	13.409	ppbv		97
75)	1,3-Dichlorobenzene	11.604	146	292143	13.784	ppbv		99
76)	1,4-Dichlorobenzene	11.668	146	294723	13.903	ppbv		99
77)	1,2-Dichlorobenzene	11.944	146	273467	13.420	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.876	225	211153	12.416	ppbv		99
79)	Naphthalene	13.510	128	473229	14.670	ppbv		99
80)	Naphthalene,2-methyl-	14.452	142	139019	16.418	ppbv		99
81)	1,2,4-Trichlorobenzene	13.436	180	216260	14.990	ppbv		99

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

Quantitation Report (QT Reviewed)

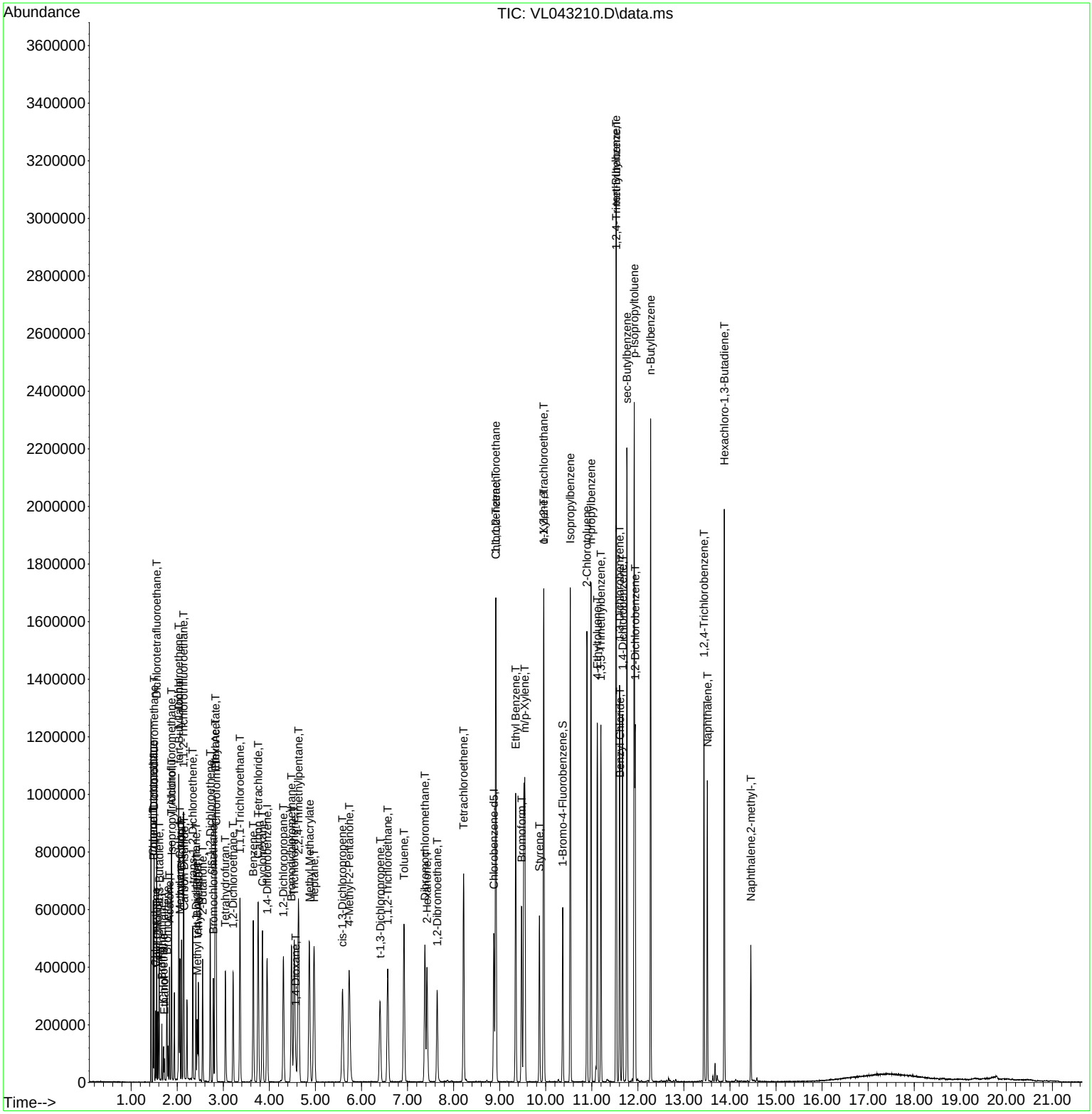
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Data File : VL043210.D
Acq On : 18 Nov 2025 13:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

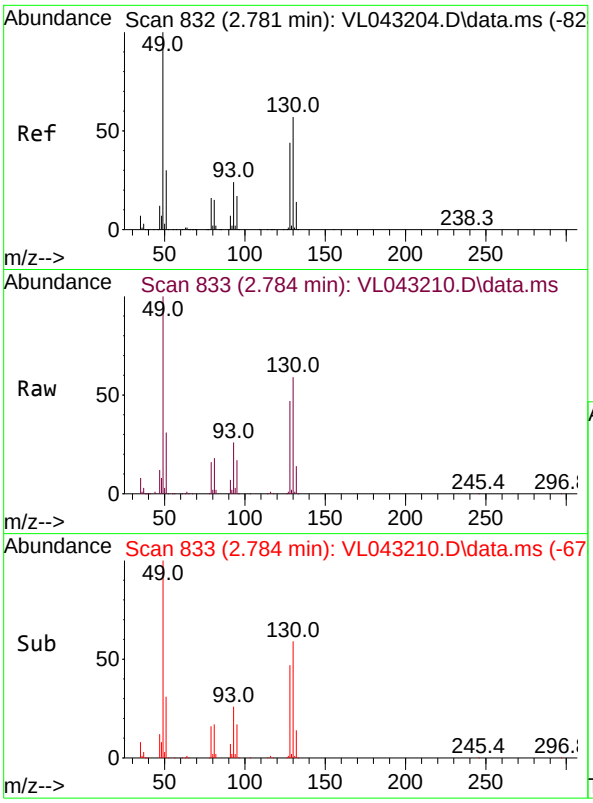
Quant Time: Nov 19 00:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

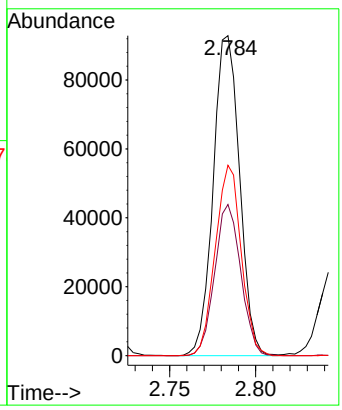




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 49 Resp: 9896

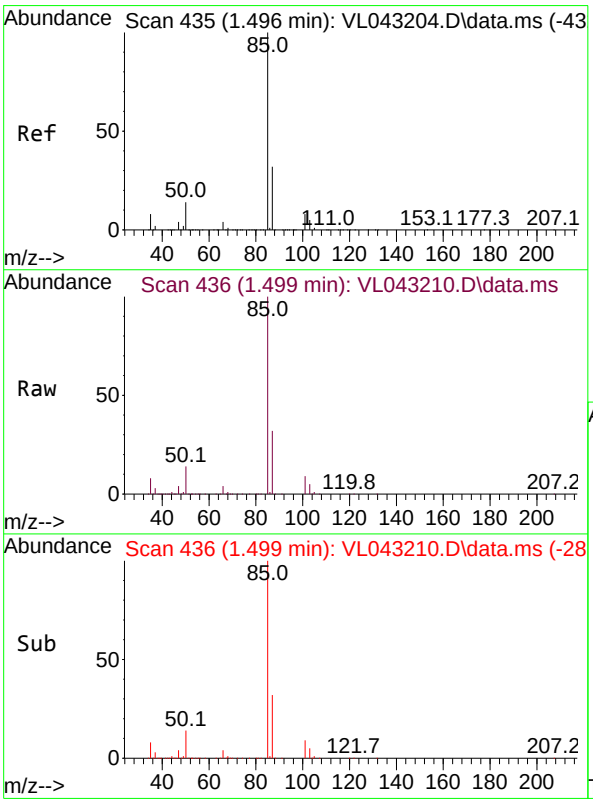
Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.0	69.0
130	58.4	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

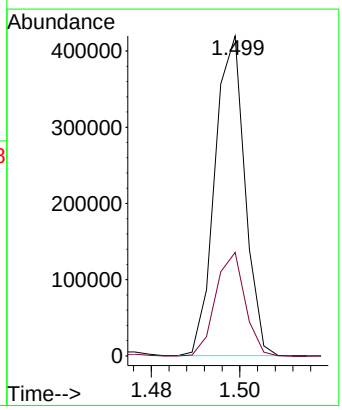
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

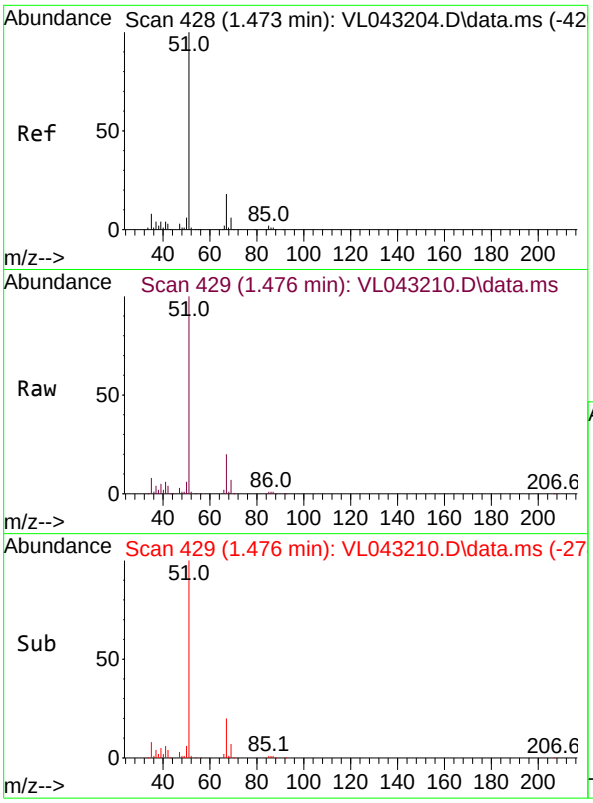


#2
Dichlorodifluoromethane
Concen: 14.184 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 85 Resp: 197987

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.4	38.2

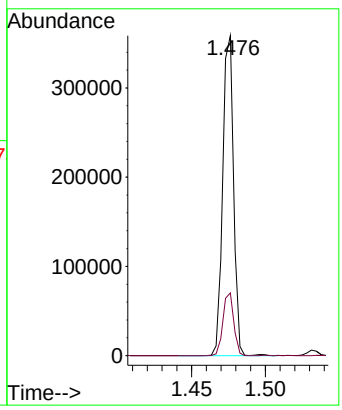




#3
Chlorodifluoromethane
Concen: 13.317 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 51 Resp: 18281

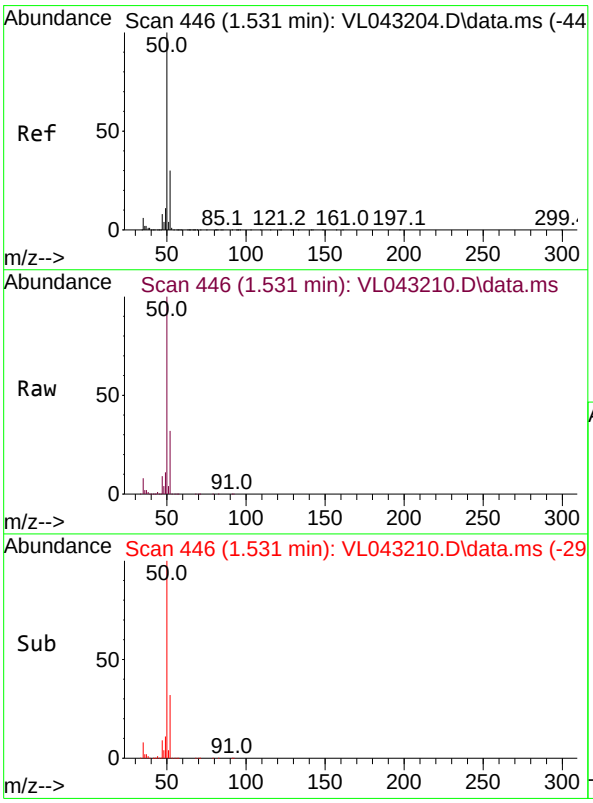
Ion	Ratio	Lower	Upper
51	100		
67	19.7	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

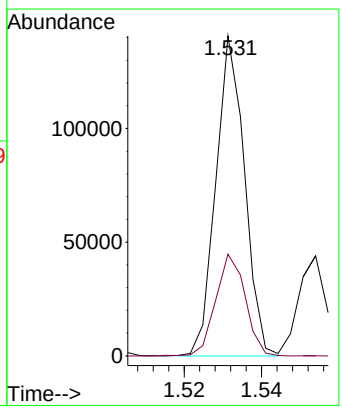
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

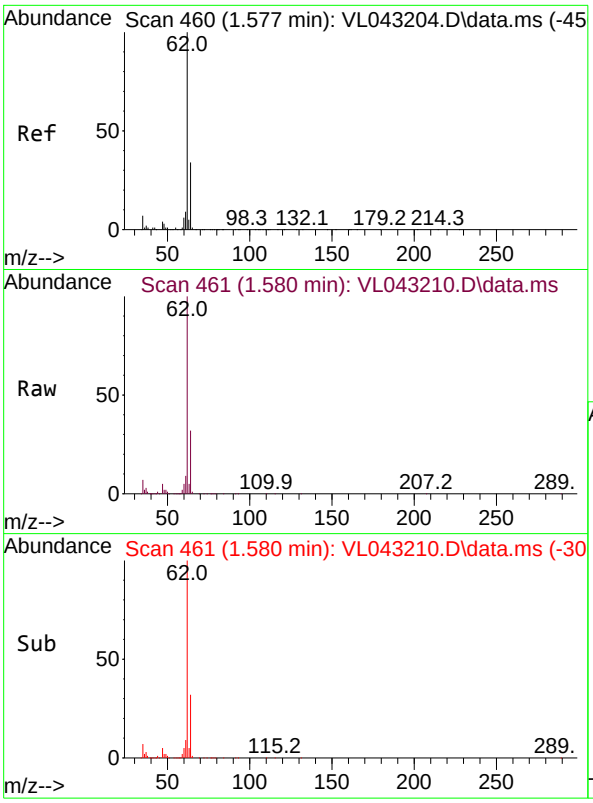


#4
Chloromethane
Concen: 13.918 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 50 Resp: 72636

Ion	Ratio	Lower	Upper
50	100		
52	31.7	24.1	36.1

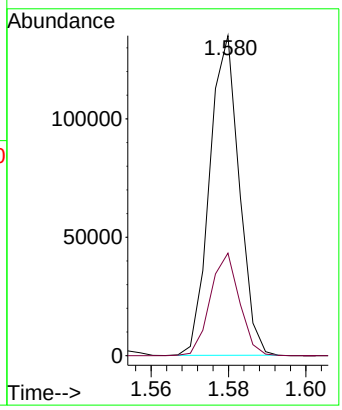




#5
Vinyl Chloride
Concen: 12.557 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 62 Resp: 7167

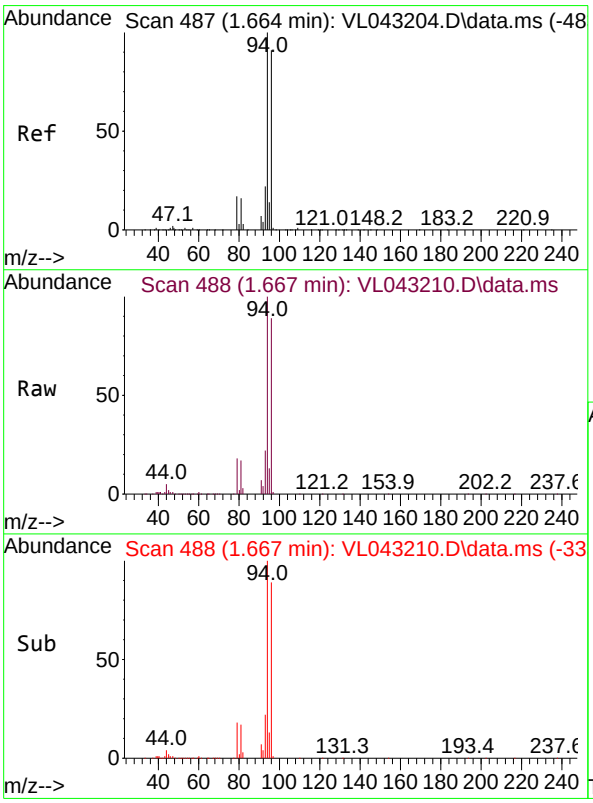
Ion	Ratio	Lower	Upper
62	100		
64	32.0	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

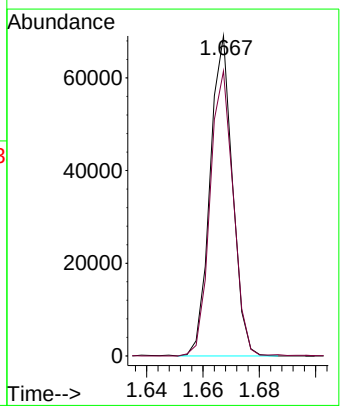
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

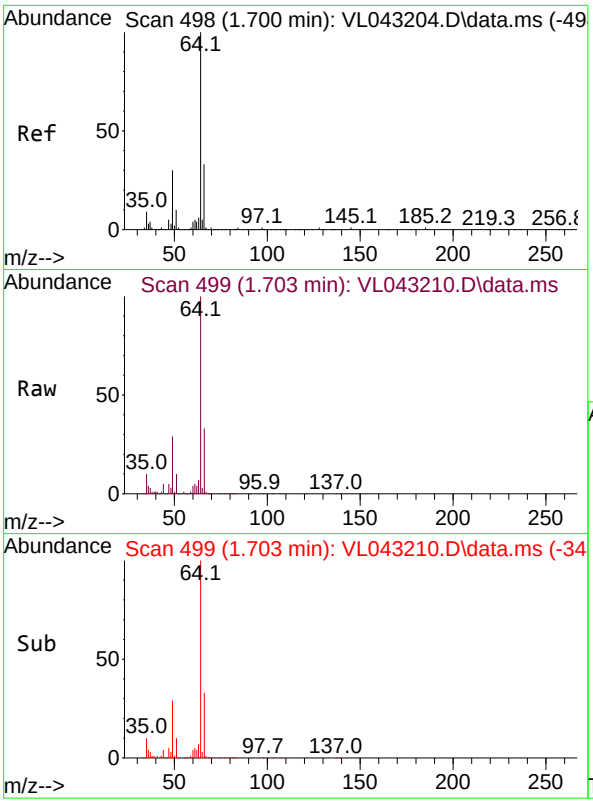


#6
Bromomethane
Concen: 13.830 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 94 Resp: 38265

Ion	Ratio	Lower	Upper
94	100		
96	89.0	72.9	109.3

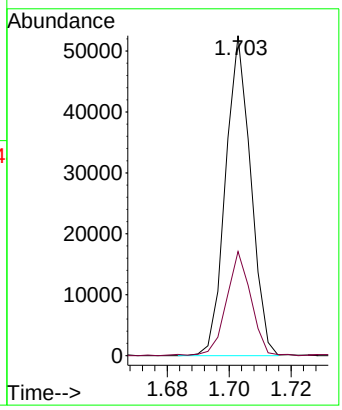




#7
Chloroethane
Concen: 13.309 ppbv
RT: 1.703 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 64 Resp: 2958

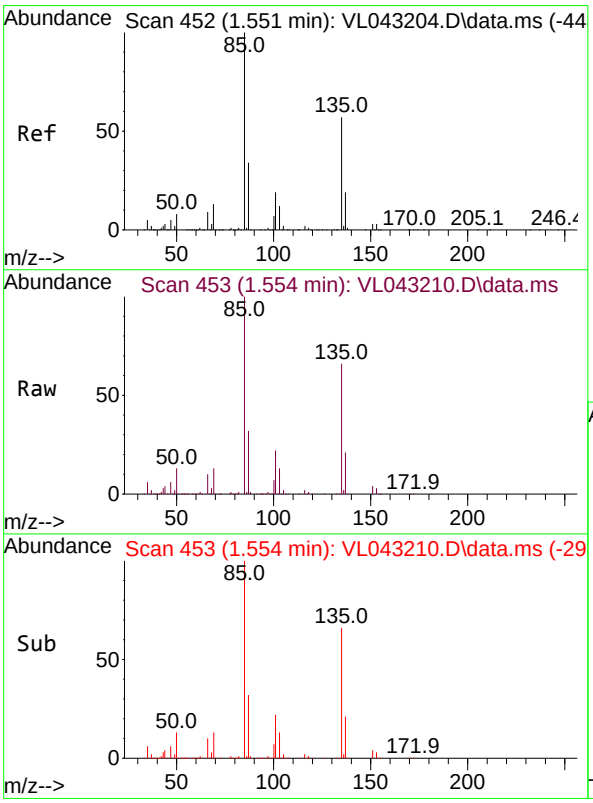
Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

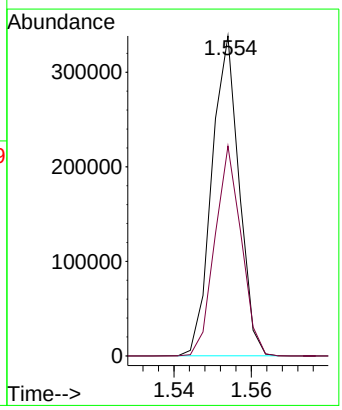
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

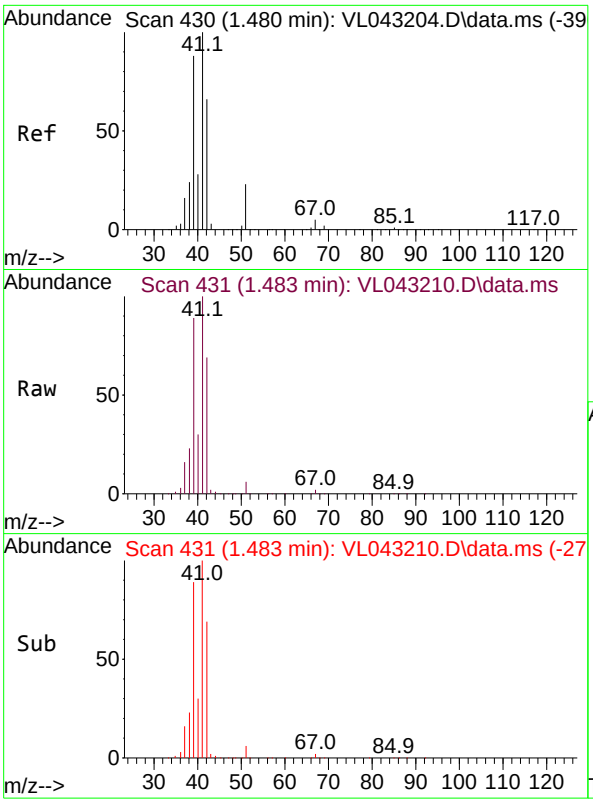


#8
Dichlorotetrafluoroethane
Concen: 14.271 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 85 Resp: 165709

Ion	Ratio	Lower	Upper
85	100		
135	63.7	52.6	79.0

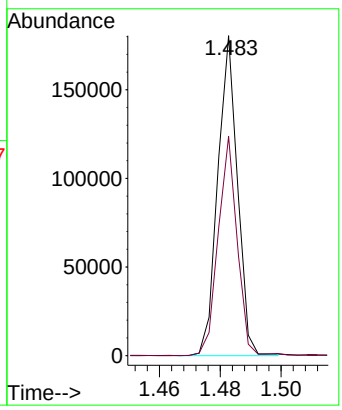




#9
Propene
Concen: 12.782 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 41 Resp: 8139

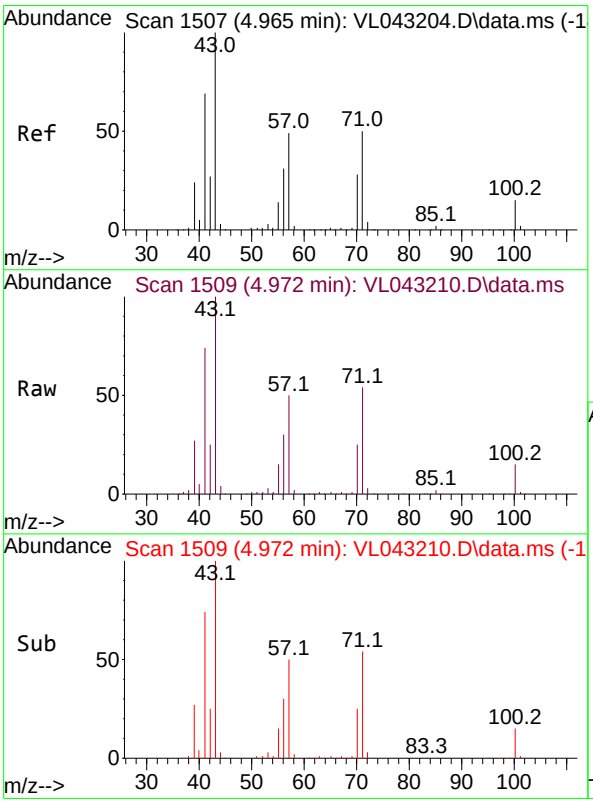
Ion	Ratio	Lower	Upper
41	100		
42	4.8	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

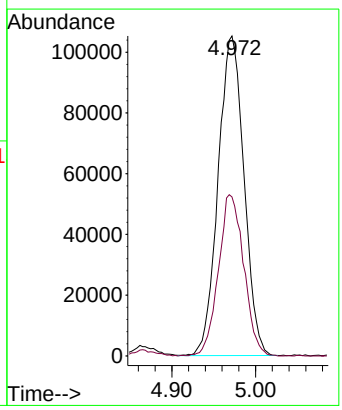
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

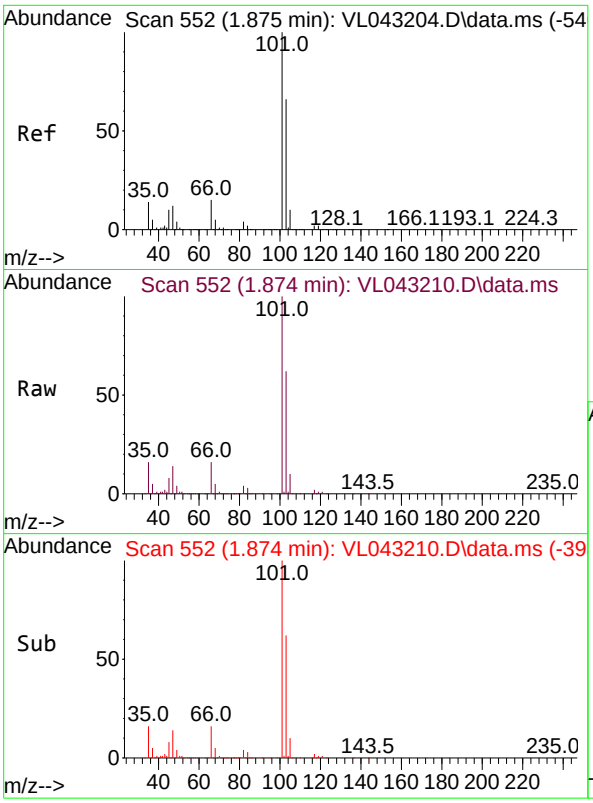


#10
Heptane
Concen: 12.934 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 225935

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.7	59.5

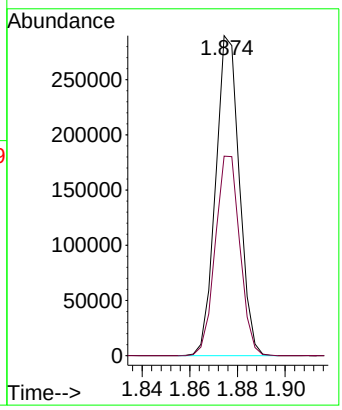




#11
Trichlorofluoromethane
Concen: 14.840 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:101 Resp: 20070

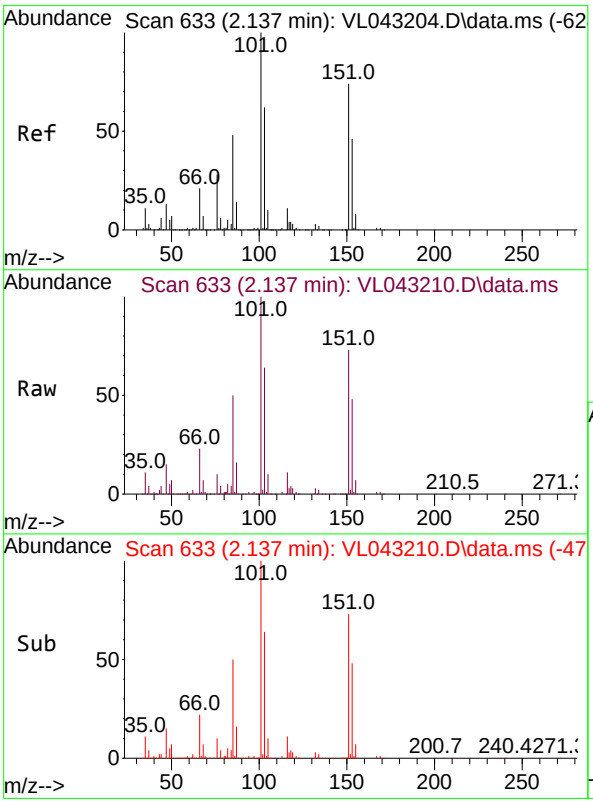
Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

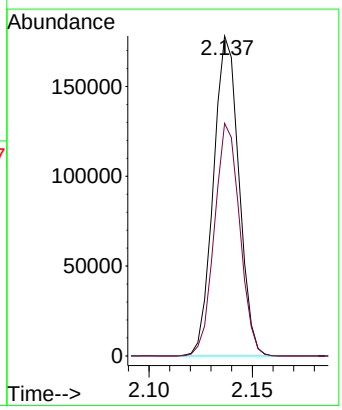
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

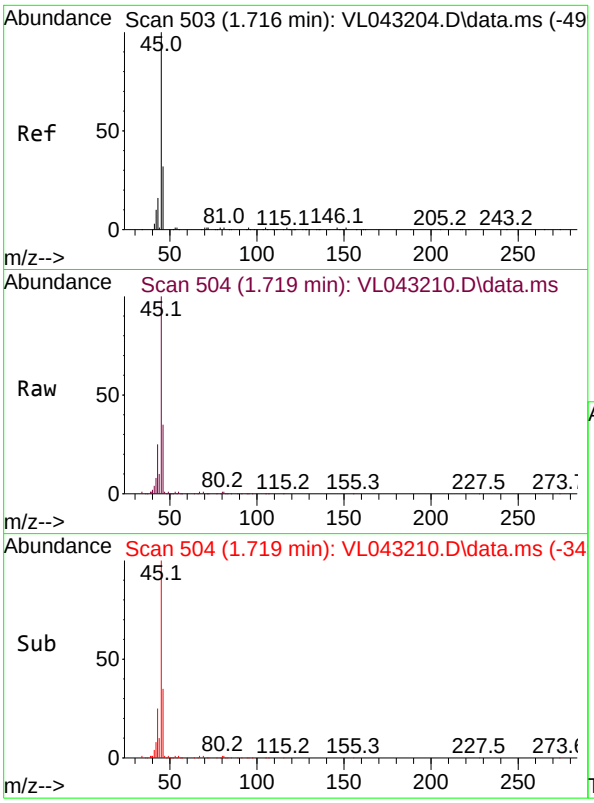


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.469 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:101 Resp: 152772

Ion	Ratio	Lower	Upper
101	100		
151	72.3	59.2	88.8

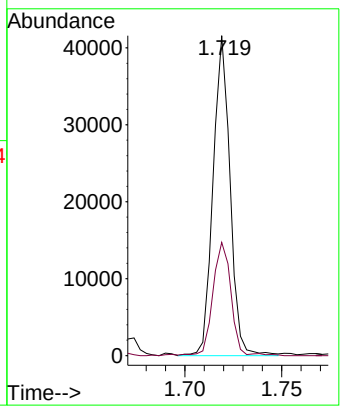




#13
Ethanol
Concen: 12.425 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 45 Resp: 2546

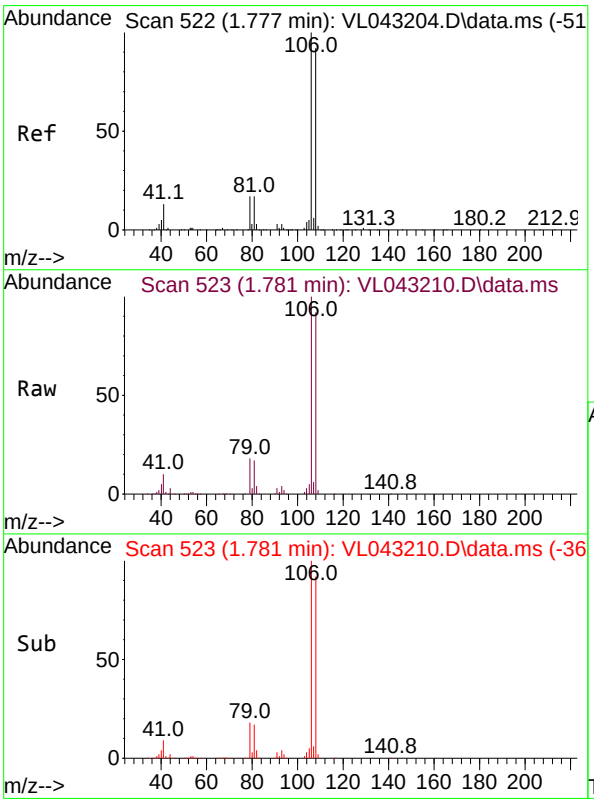
Ion	Ratio	Lower	Upper
45	100		
46	37.9	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

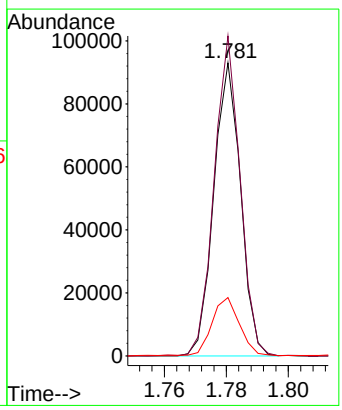
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

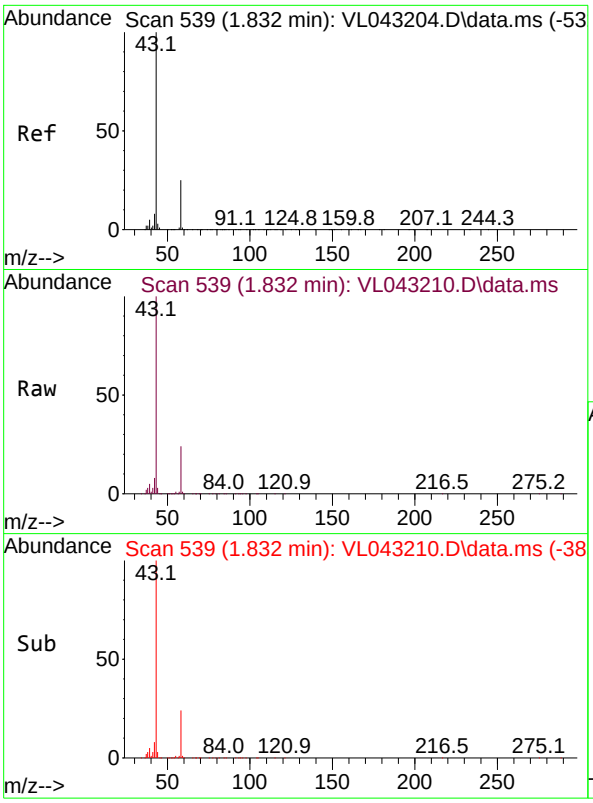


#14
Bromoethene
Concen: 13.789 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:108 Resp: 55813

Ion	Ratio	Lower	Upper
108	100		
106	105.8	88.9	133.3
79	20.6	16.5	24.7

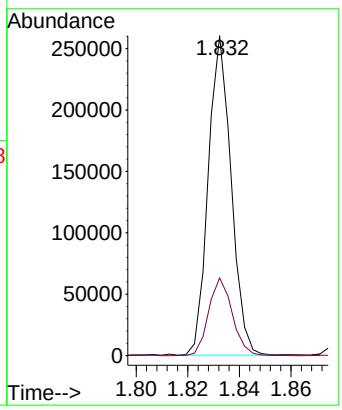




#15
Acetone
Concen: 11.712 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 16103

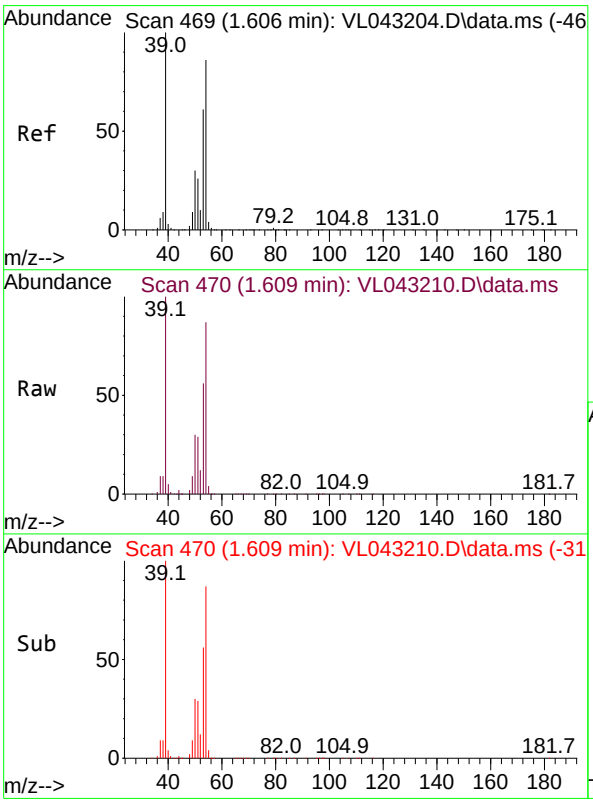
Ion	Ratio	Lower	Upper
43	100		
58	25.1	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

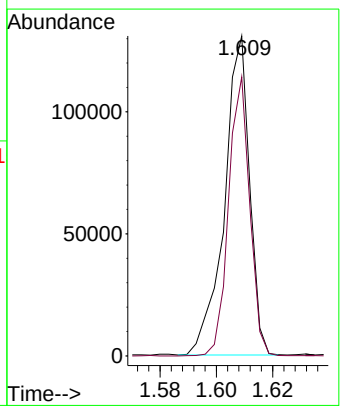
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

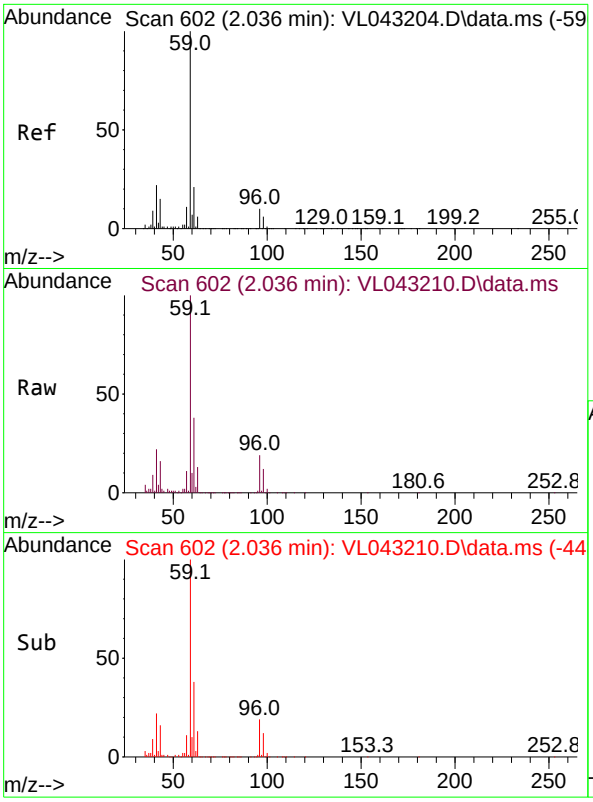


#16
1,3-Butadiene
Concen: 13.226 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 39 Resp: 81077

Ion	Ratio	Lower	Upper
39	100		
54	73.5	59.4	89.2

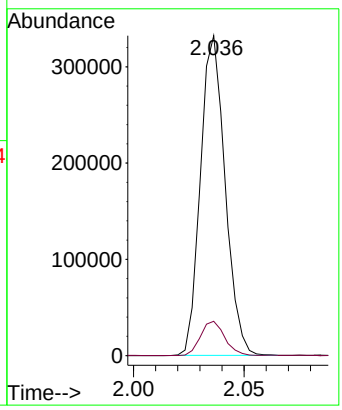




#17
tert-Butyl alcohol
Concen: 14.274 ppbv
RT: 2.036 min Scan# 6(
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 59 Resp: 25761

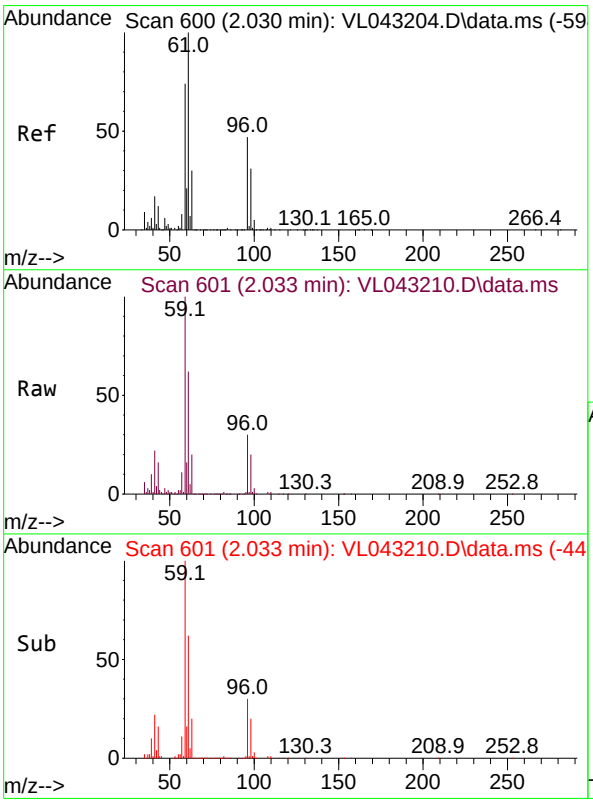
Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

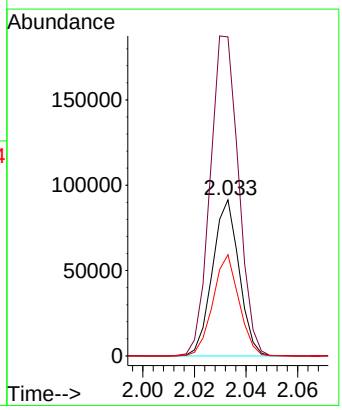
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

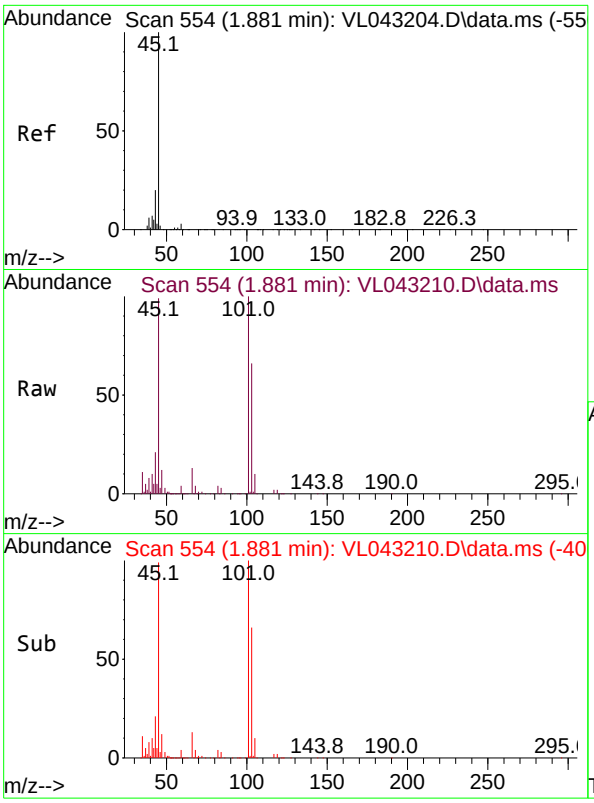


#18
1,1-Dichloroethene
Concen: 13.370 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 96 Resp: 65731

Ion	Ratio	Lower	Upper
96	100		
61	204.3	170.6	255.8
98	64.7	52.2	78.4

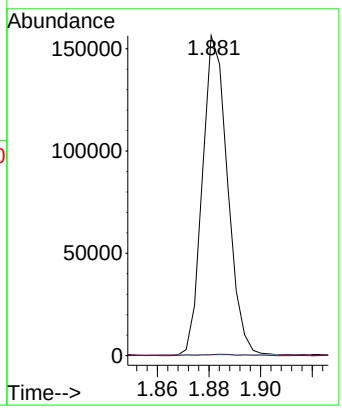




#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 45 Resp: 10527

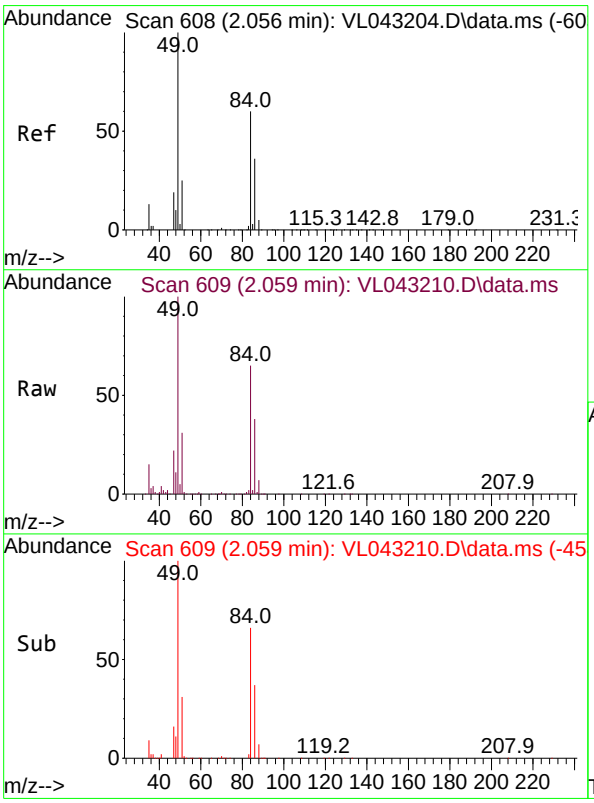
Ion	Ratio	Lower	Upper
45	100		
58	38.5	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

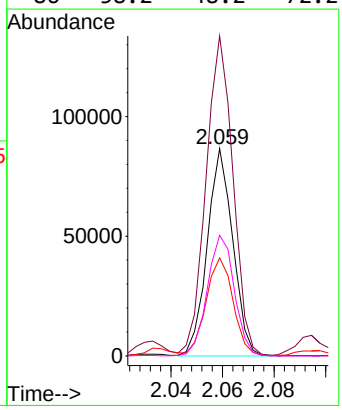
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

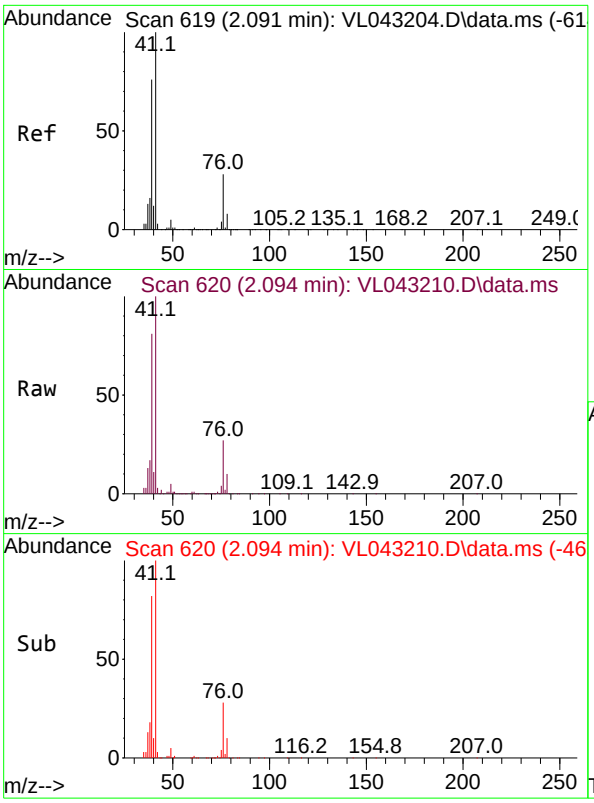


#20
Methylene Chloride
Concen: 15.164 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 84 Resp: 59798

Ion	Ratio	Lower	Upper
84	100		
49	153.8	132.9	199.3
51	47.0	34.8	52.2
86	58.2	48.2	72.2

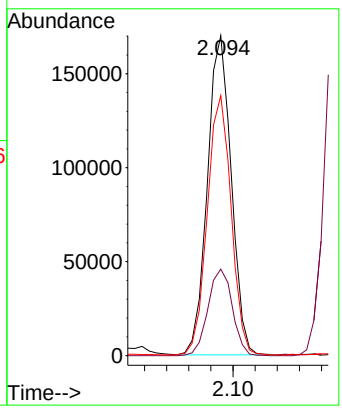




#21
Allyl Chloride
Concen: 13.724 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 41 Resp: 12695

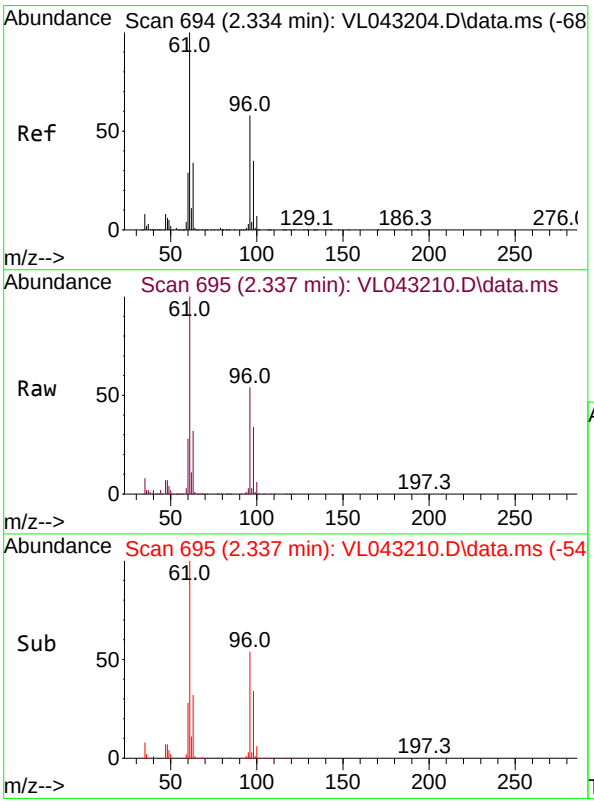
Ion	Ratio	Lower	Upper
41	100		
76	27.5	22.1	33.1
39	81.3	61.0	91.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

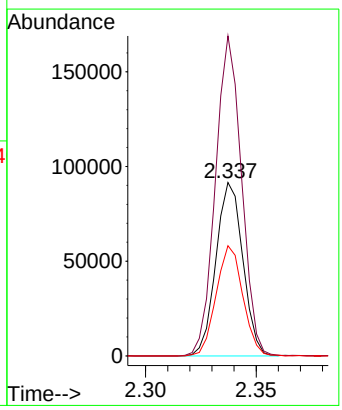
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

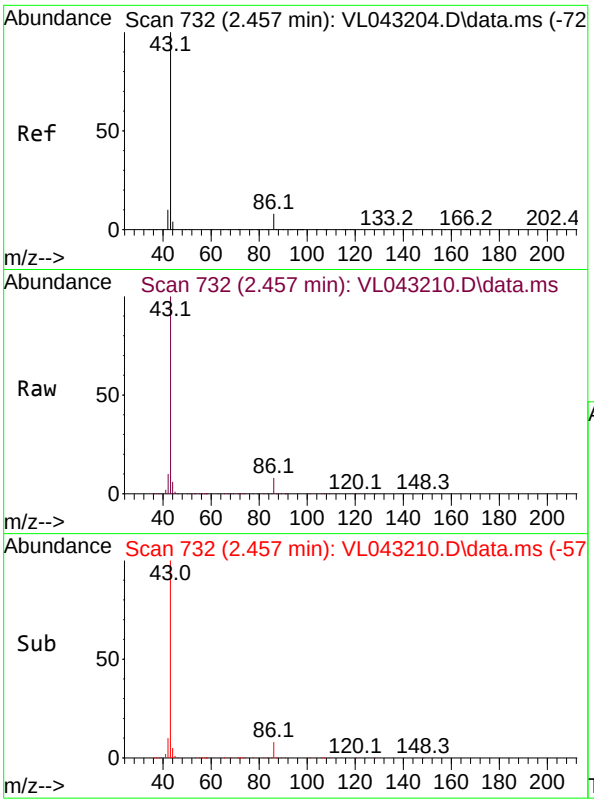


#22
trans-1,2-Dichloroethene
Concen: 13.772 ppbv
RT: 2.337 min Scan# 695
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 96 Resp: 77386

Ion	Ratio	Lower	Upper
96	100		
61	184.6	139.0	208.6
98	63.5	49.4	74.2

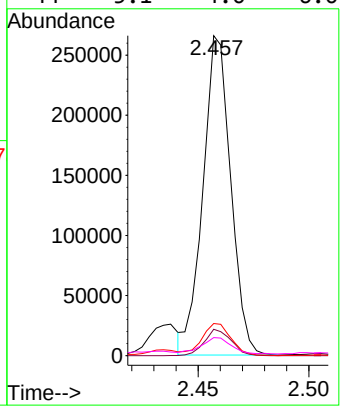




#23
Vinyl Acetate
Concen: 13.995 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 23231

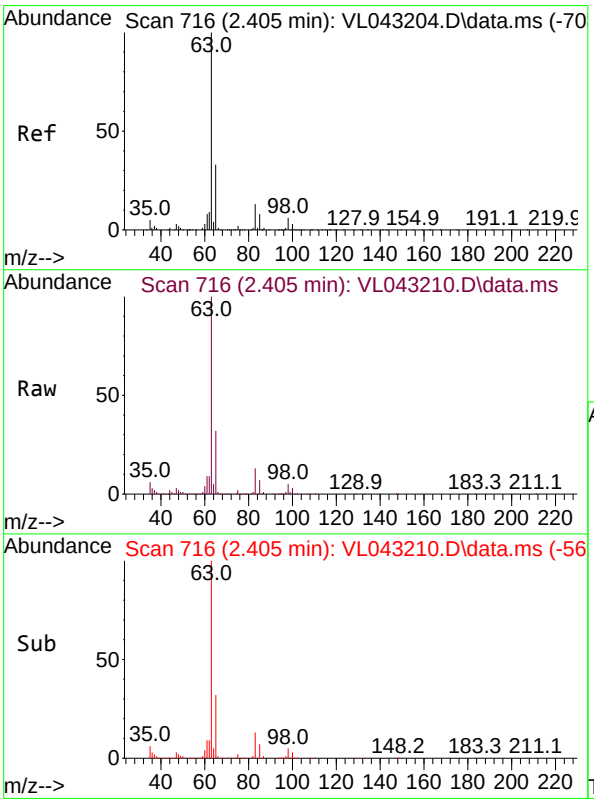
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	10.1	8.0	12.0
44	5.1	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

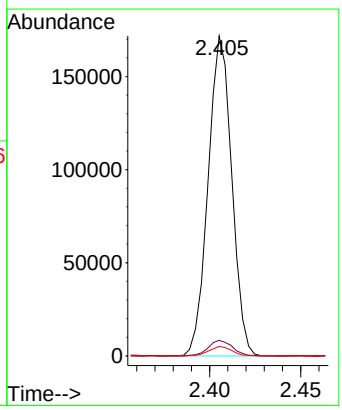
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

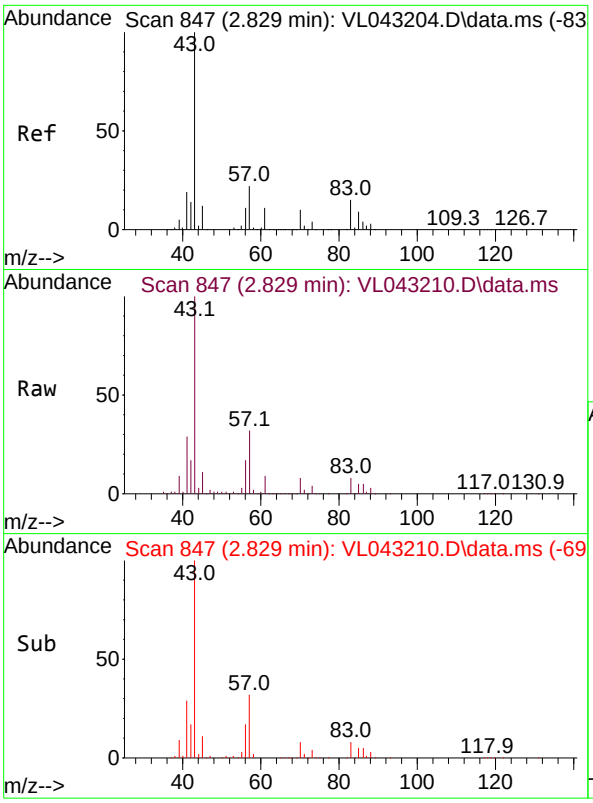


#24
1,1-Dichloroethane
Concen: 14.292 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 63 Resp: 155017

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.8	8.4
100	3.0	1.3	3.9

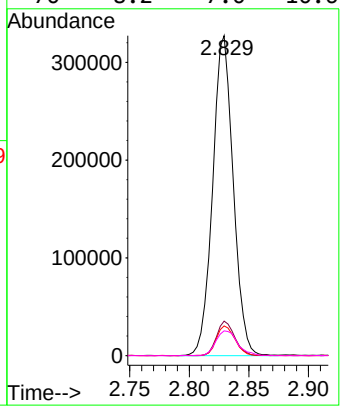




#25
Ethyl Acetate
Concen: 13.265 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 39407

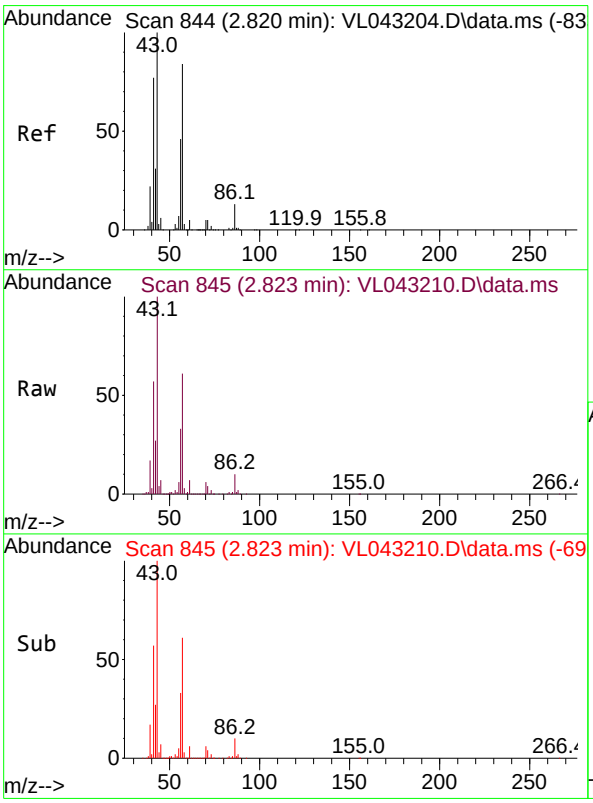
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.4	7.0	10.4
70	8.2	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

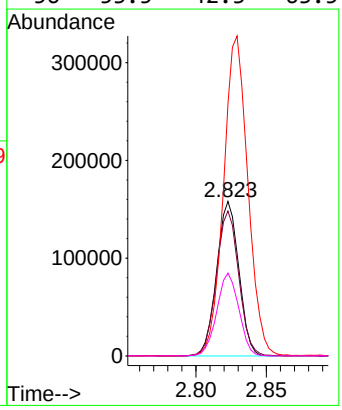
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

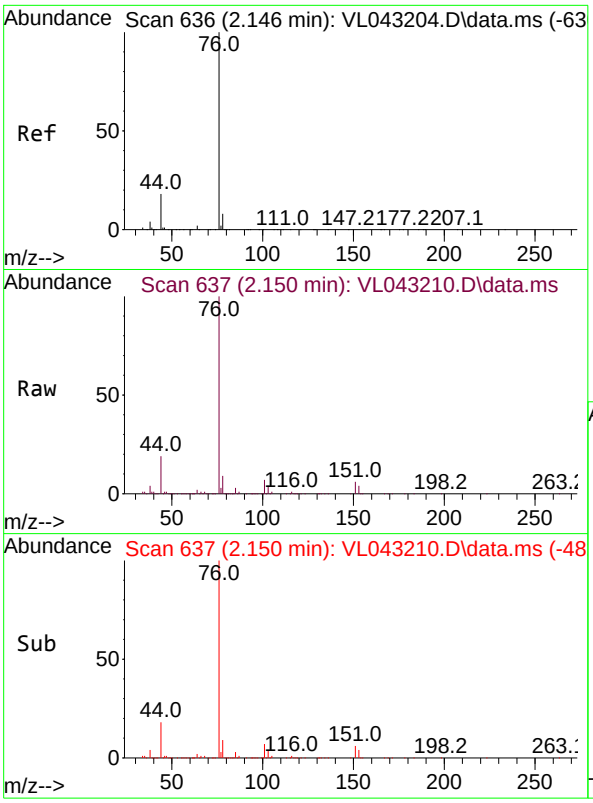


#26
Hexane
Concen: 13.252 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 57 Resp: 172303

Ion	Ratio	Lower	Upper
57	100		
41	95.4	74.6	111.8
43	229.0	179.0	268.4
56	53.5	42.3	63.5

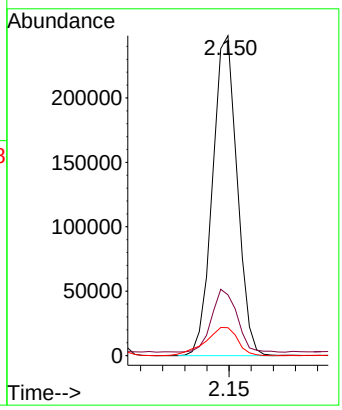




#27
Carbon Disulfide
Concen: 14.435 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 76 Resp: 19161

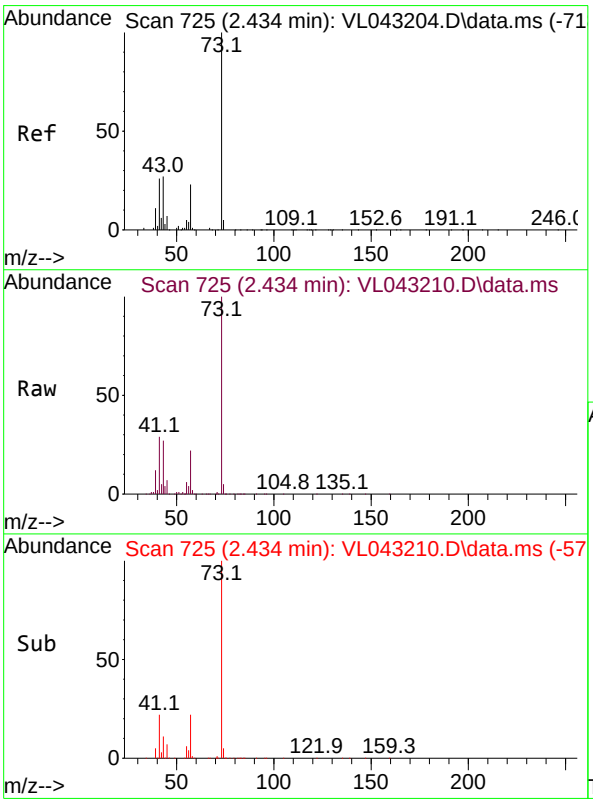
Ion	Ratio	Lower	Upper
76	100		
44	22.2	16.1	24.1
78	11.5	9.6	14.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

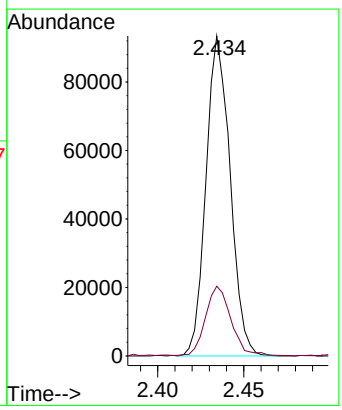
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

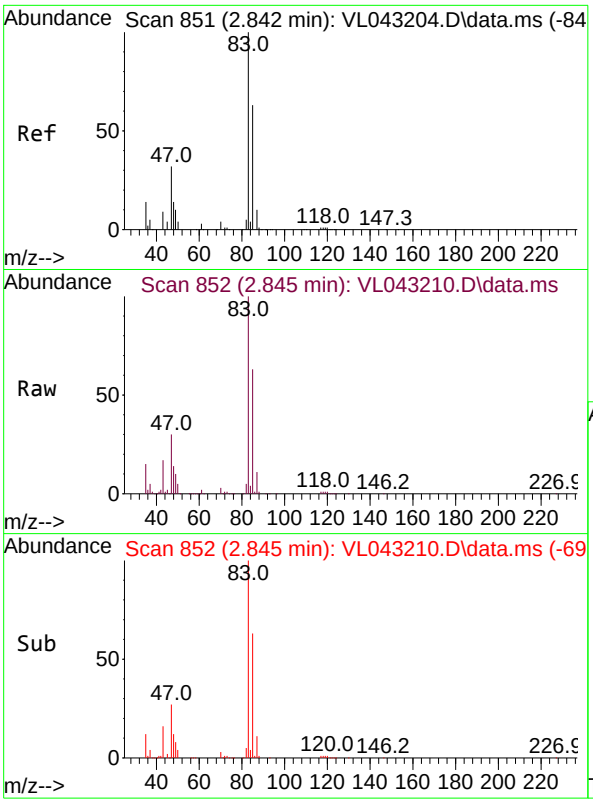


#28
Methyl tert-Butyl Ether
Concen: 14.279 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 73 Resp: 91132

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.8	29.8

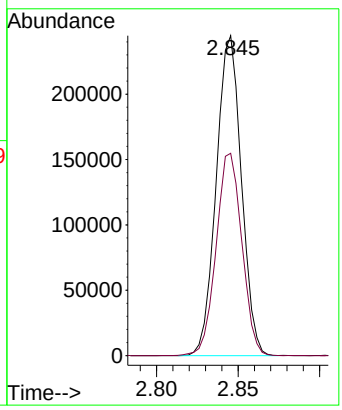




#29
Chloroform
Concen: 14.221 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 83 Resp: 26280

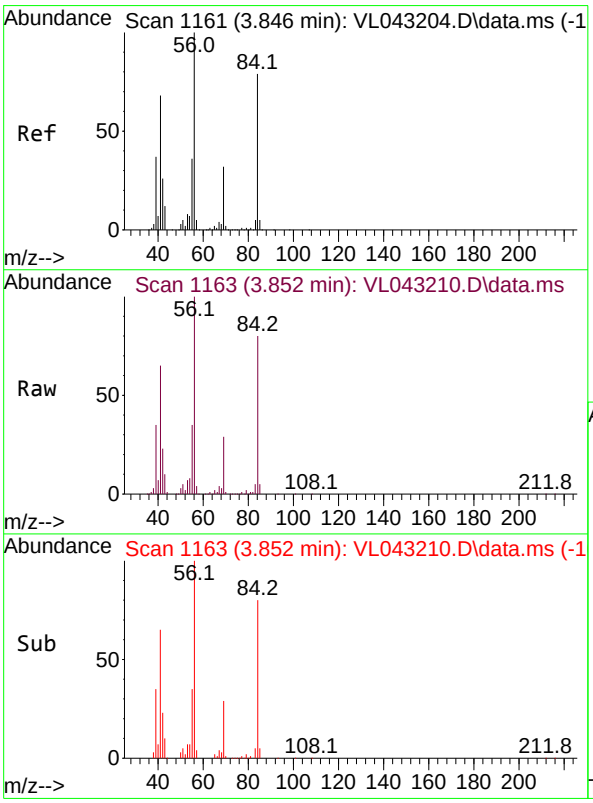
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

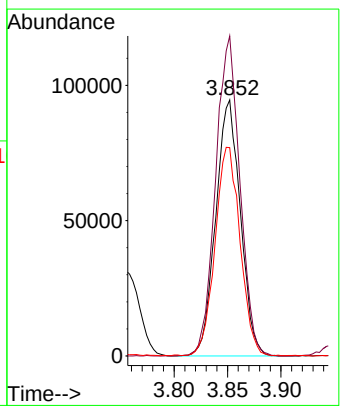
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

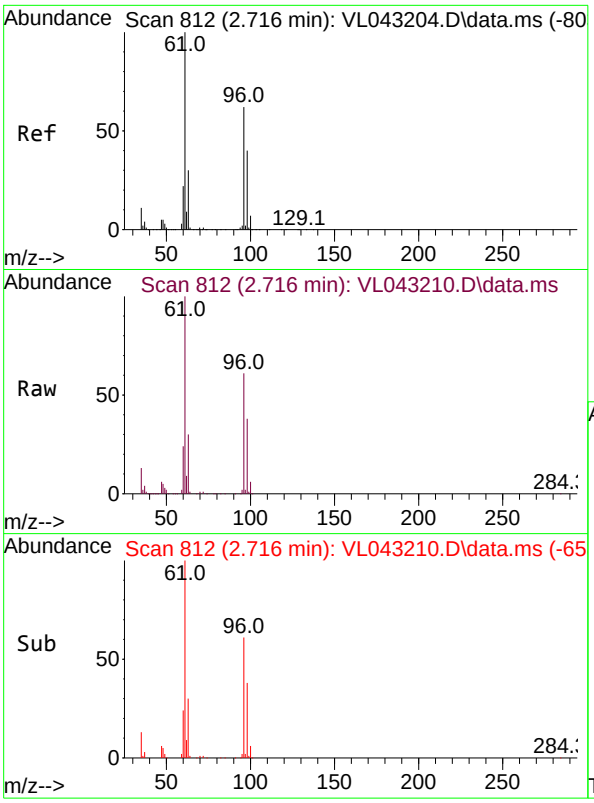


#30
Cyclohexane
Concen: 13.946 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 84 Resp: 152015

Ion	Ratio	Lower	Upper
84	100		
56	123.0	104.7	157.1
41	82.7	69.0	103.6

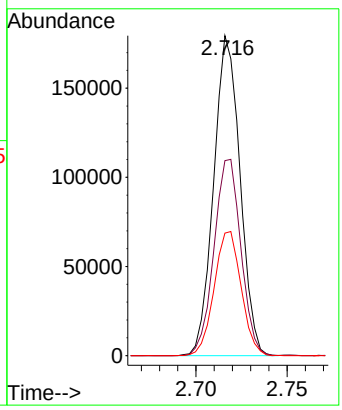




#31
cis-1,2-Dichloroethene
Concen: 13.978 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 61 Resp: 18064

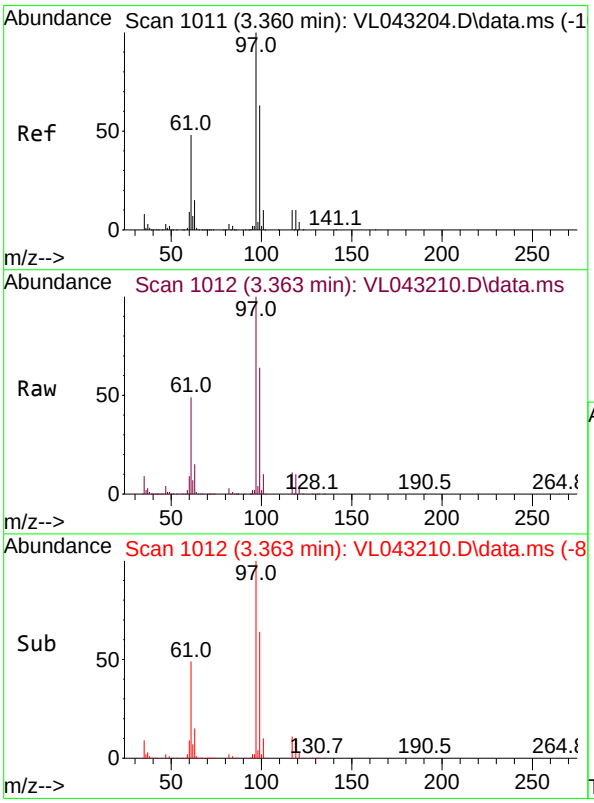
Ion	Ratio	Lower	Upper
61	100		
96	60.9	49.3	73.9
98	38.3	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

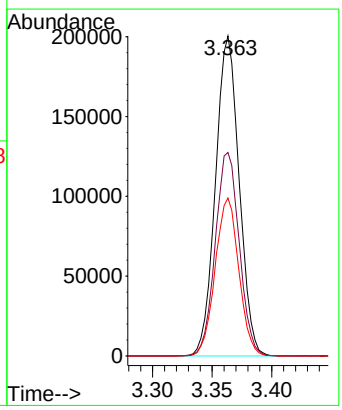
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

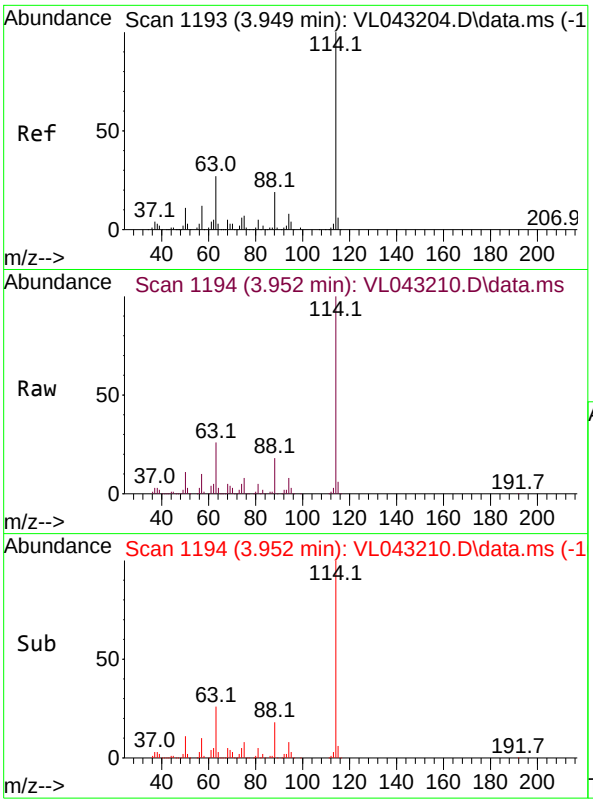


#32
1,1,1-Trichloroethane
Concen: 13.930 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 97 Resp: 276915

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.3	75.5
61	49.3	38.9	58.3

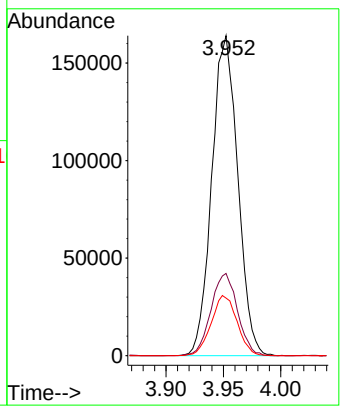




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:114 Resp: 25846

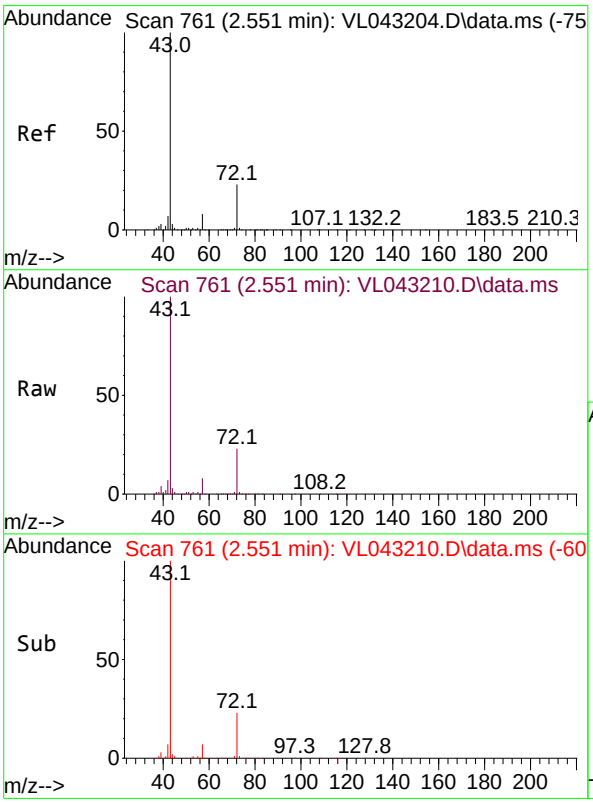
Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.0	31.6
88	18.8	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

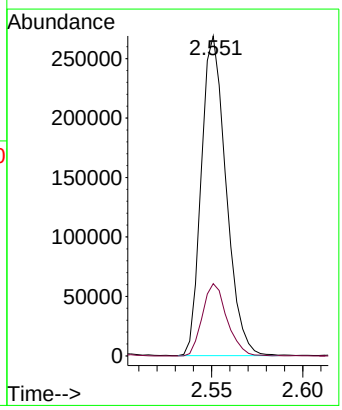
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

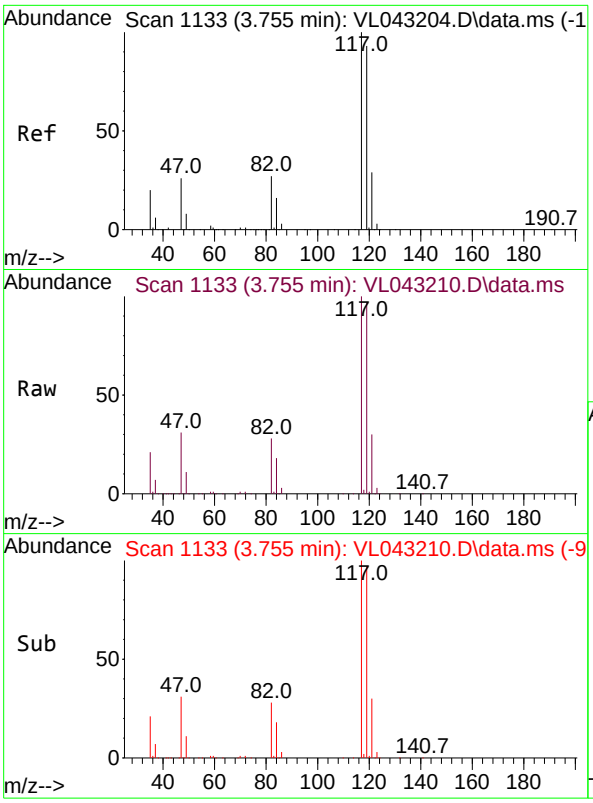


#34
2-Butanone
Concen: 13.914 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 253855

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1

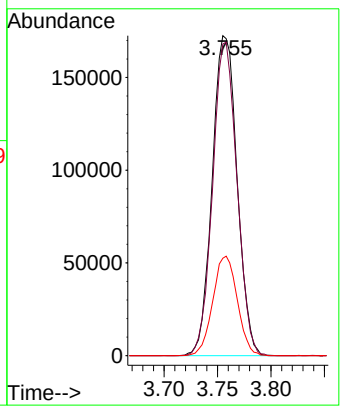




#35
Carbon Tetrachloride
Concen: 14.250 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:117 Resp: 27956

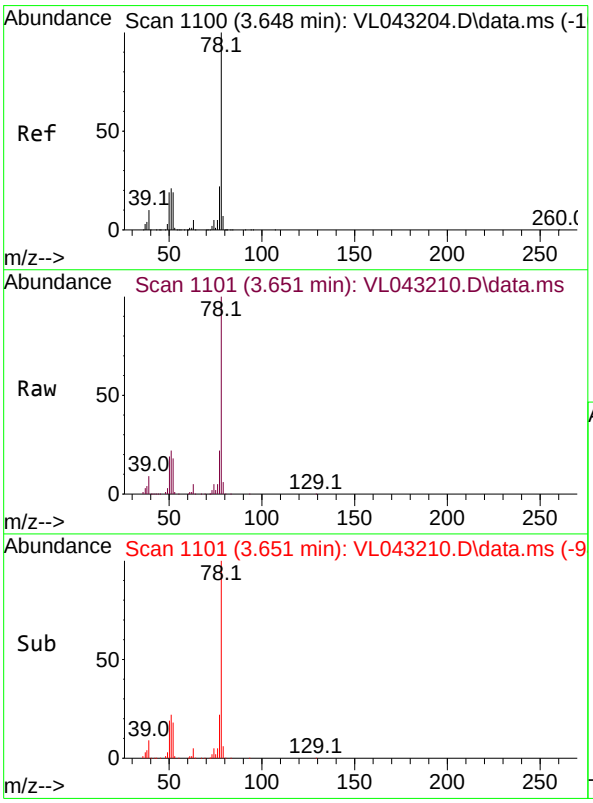
Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.6	112.0
121	30.4	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

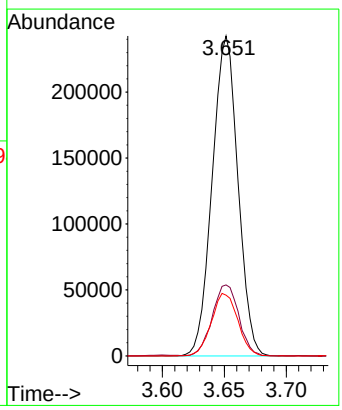
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

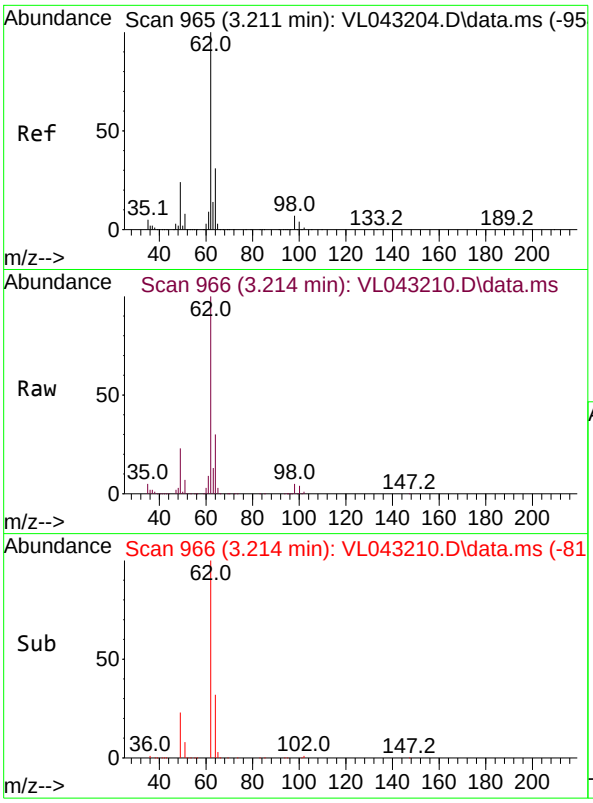


#36
Benzene
Concen: 14.096 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 78 Resp: 348892

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.5	26.3
50	19.0	15.5	23.3





#37
1,2-Dichloroethane
Concen: 14.798 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

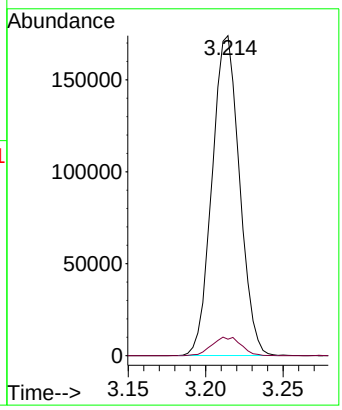
Tgt Ion: 62 Resp: 21424

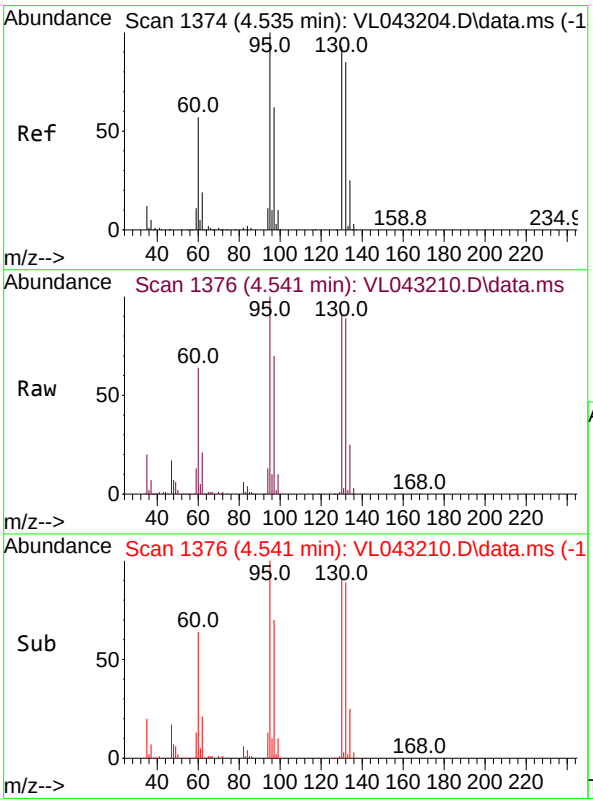
Ion	Ratio	Lower	Upper
62	100		
98	6.1	5.5	8.3

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

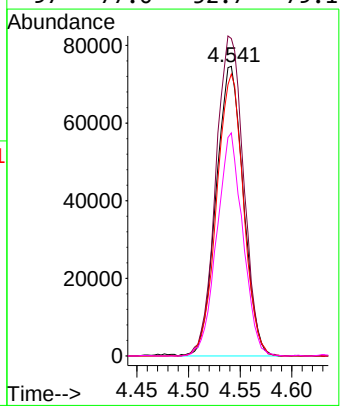


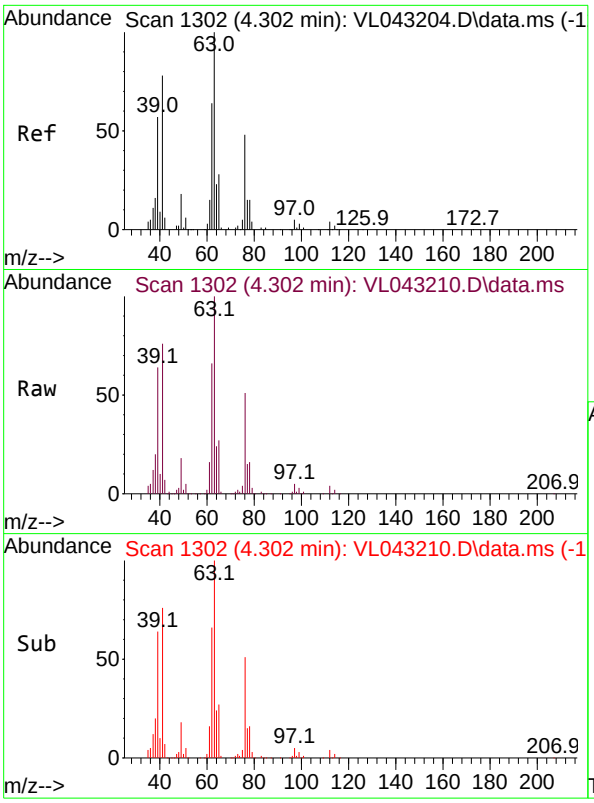


#38
Trichloroethene
Concen: 14.123 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:130 Resp: 137027

Ion	Ratio	Lower	Upper
130	100		
95	109.6	85.7	128.5
132	97.4	73.4	110.0
97	77.0	52.7	79.1

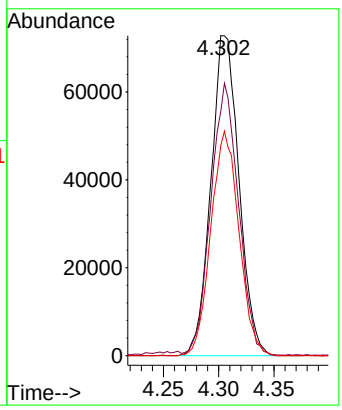




#39
1,2-Dichloropropane
Concen: 14.206 ppbv
RT: 4.302 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 63 Resp: 12870

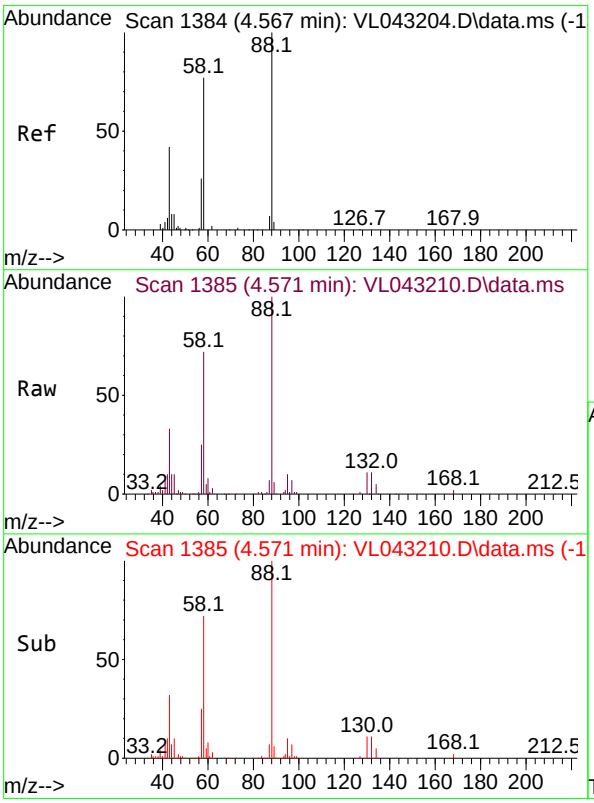
Ion	Ratio	Lower	Upper
63	100		
41	75.9	62.6	93.8
62	65.6	51.0	76.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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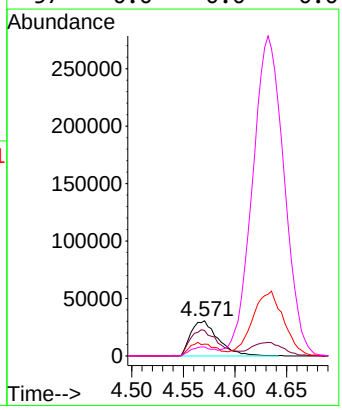
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

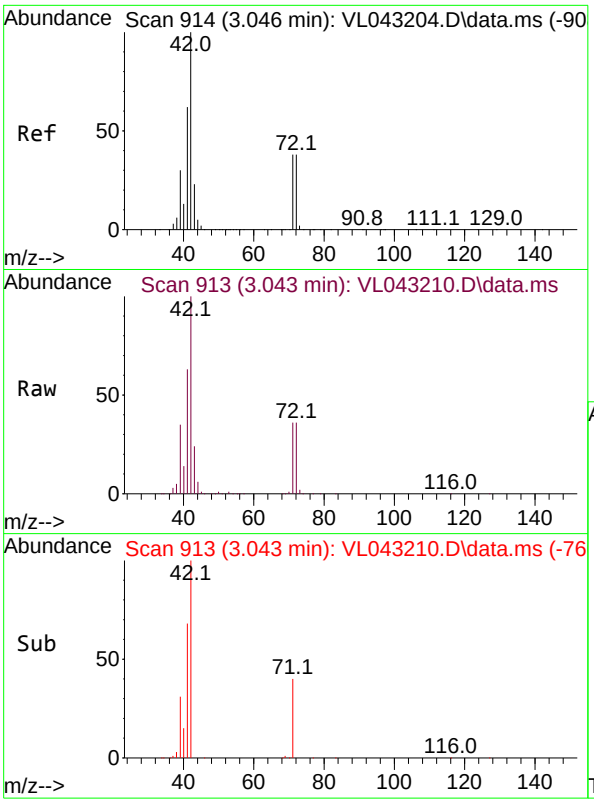


#40
1,4-Dioxane
Concen: 13.728 ppbv
RT: 4.571 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 88 Resp: 55905

Ion	Ratio	Lower	Upper
88	100		
58	76.7	63.0	94.6
43	34.0	32.5	48.7
57	0.0	0.0	0.0

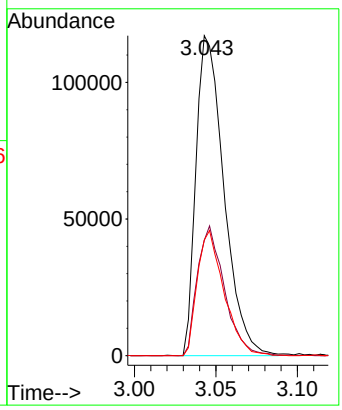




#41
Tetrahydrofuran
Concen: 13.868 ppbv
RT: 3.043 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 42 Resp: 13972

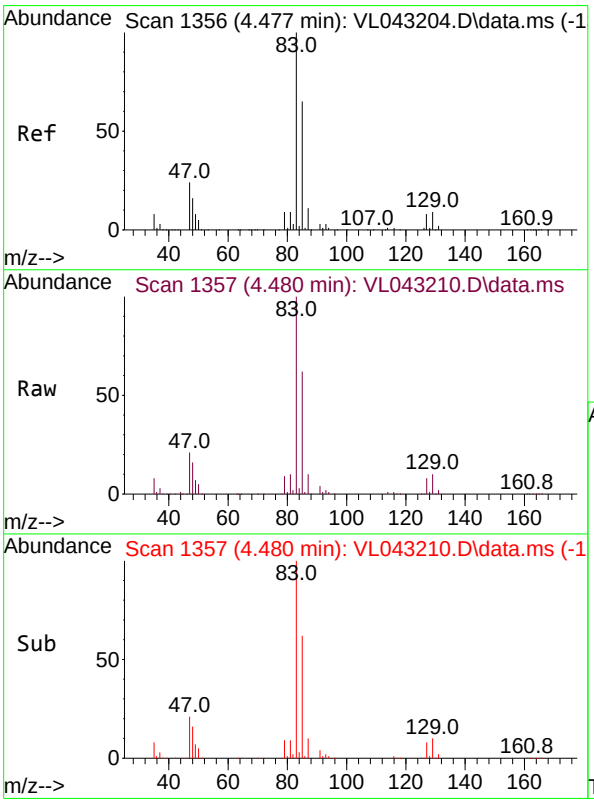
Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.6	46.0
71	37.3	30.5	45.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

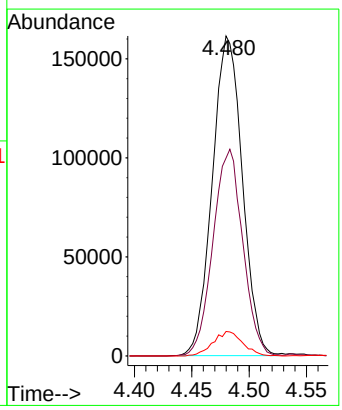
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

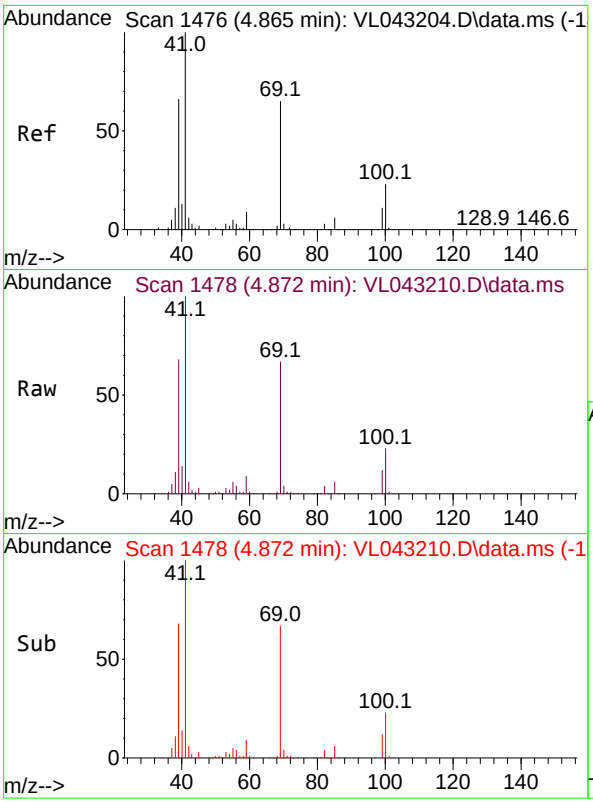


#42
Bromodichloromethane
Concen: 14.721 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 83 Resp: 294008

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.7	77.5
127	7.6	6.3	9.5

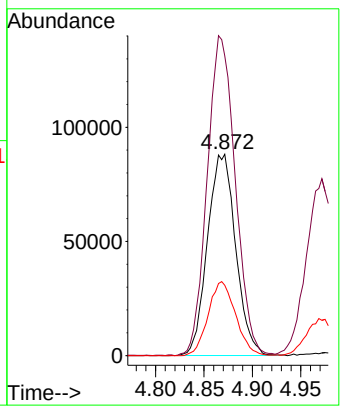




#43
Methyl Methacrylate
Concen: 13.633 ppbv
RT: 4.872 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 69 Resp: 17911

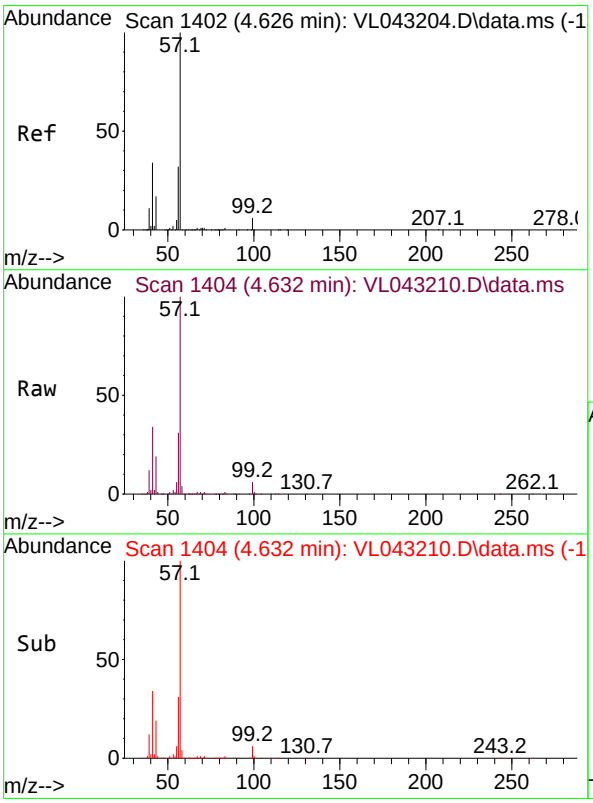
Ion	Ratio	Lower	Upper
69	100		
41	157.9	126.7	190.1
100	35.7	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

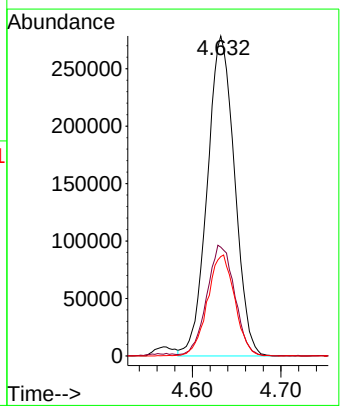
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

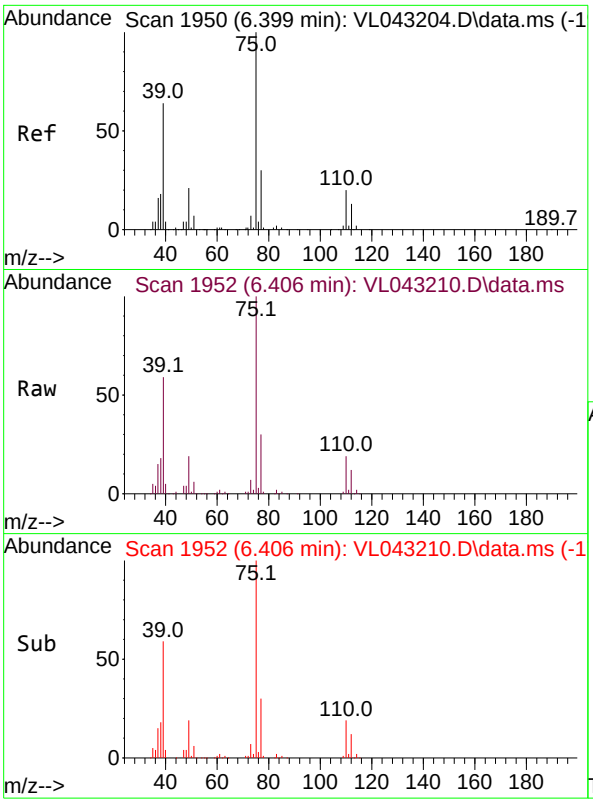


#44
2,2,4-Trimethylpentane
Concen: 14.014 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 57 Resp: 595778

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.0	42.0
56	31.6	25.6	38.4

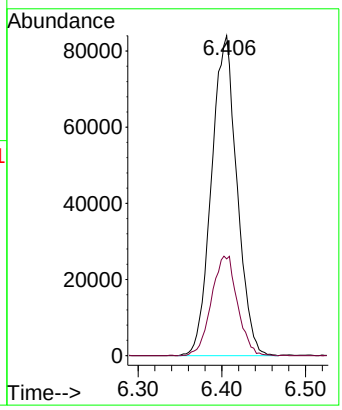




#45
t-1,3-Dichloropropene
Concen: 14.508 ppbv
RT: 6.406 min Scan# 19
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 75 Resp: 177678

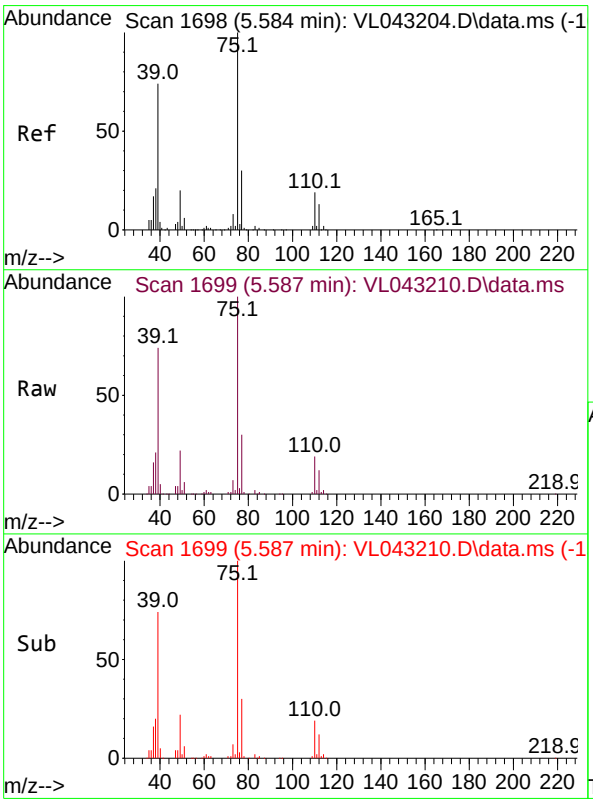
Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

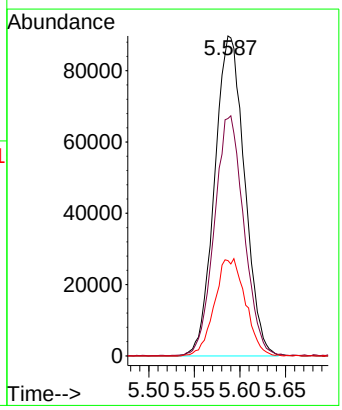
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

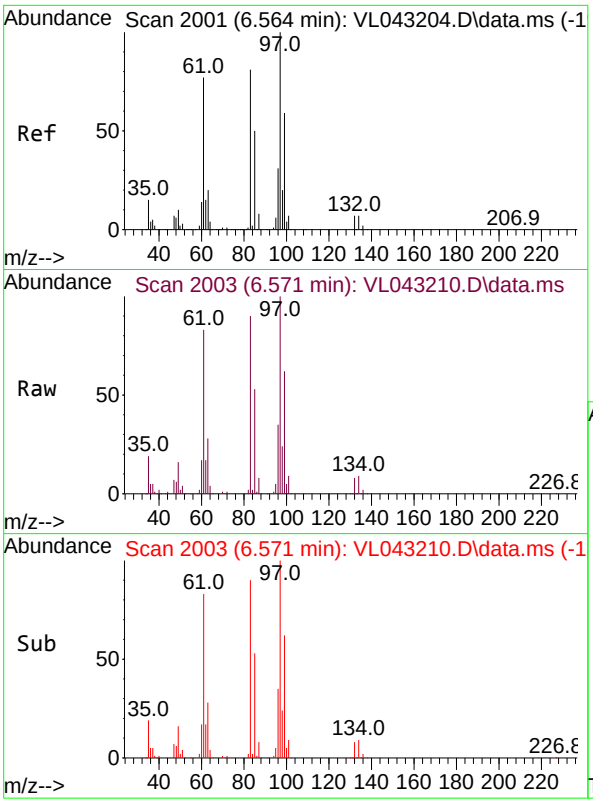


#46
cis-1,3-Dichloropropene
Concen: 14.270 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 75 Resp: 205226

Ion	Ratio	Lower	Upper
75	100		
39	73.9	59.1	88.7
77	29.8	24.2	36.2

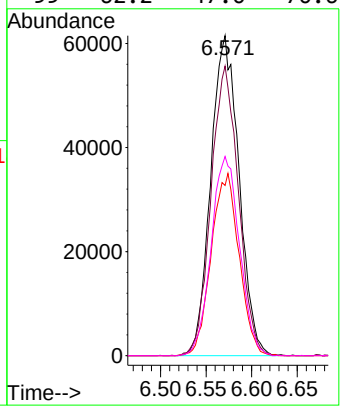




#47
1,1,2-Trichloroethane
Concen: 13.738 ppbv
RT: 6.571 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 97 Resp: 13270

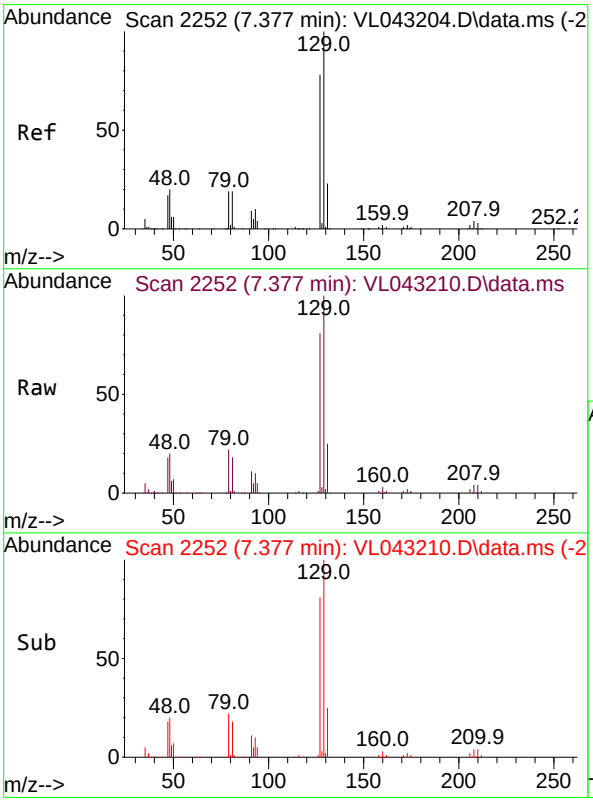
Ion	Ratio	Lower	Upper
97	100		
83	90.4	64.6	97.0
85	53.2	39.4	59.2
99	62.2	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

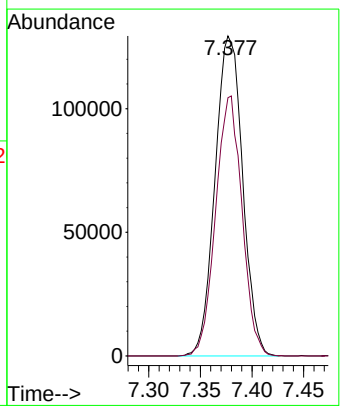
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

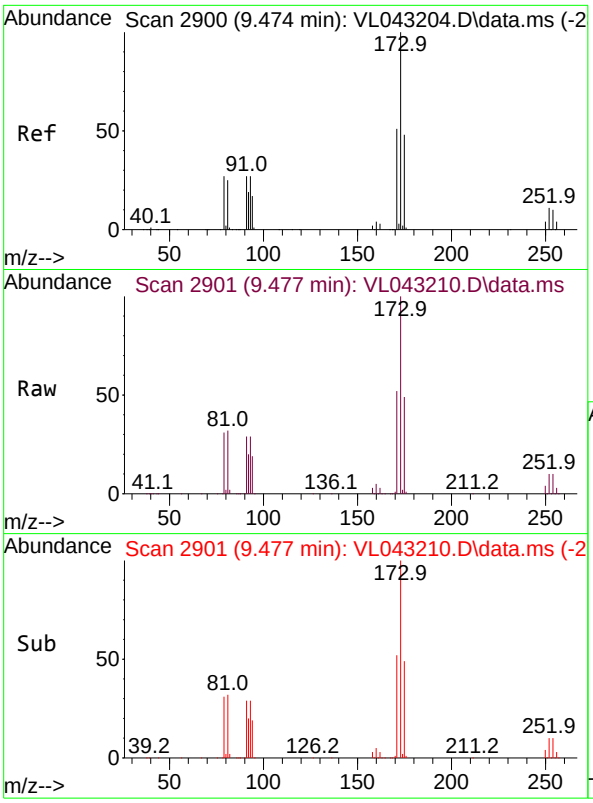


#48
Dibromochloromethane
Concen: 14.564 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:129 Resp: 240736

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.9

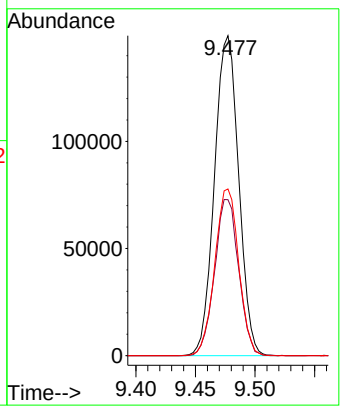




#49
Bromoform
Concen: 14.434 ppbv
RT: 9.477 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:173 Resp: 211325

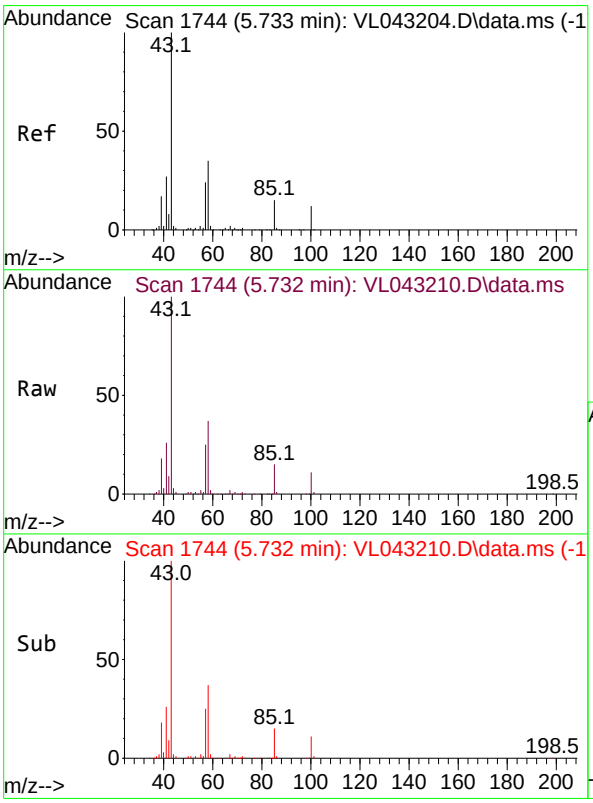
Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
171	51.5	40.6	61.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

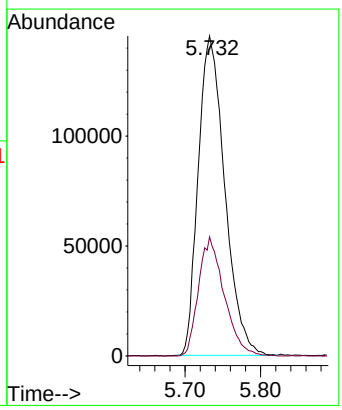
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

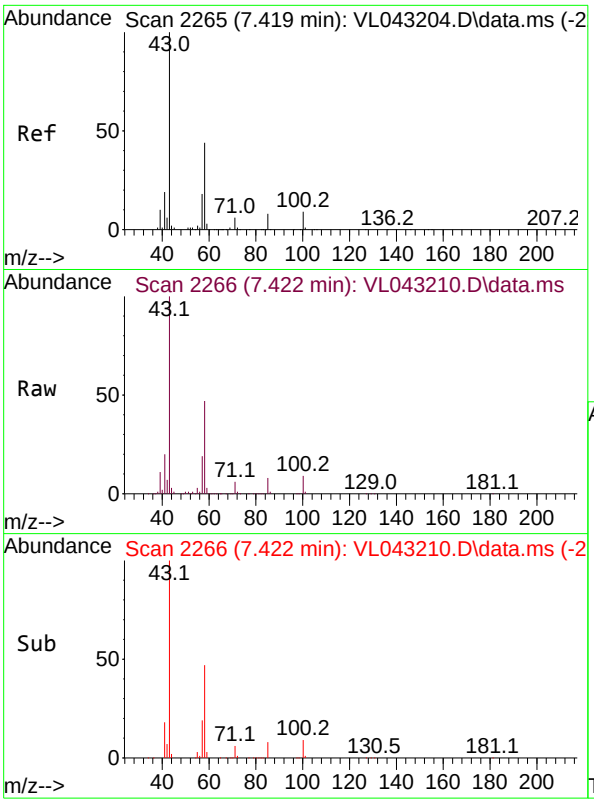


#50
4-Methyl-2-Pentanone
Concen: 13.790 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 354421

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.4	42.6

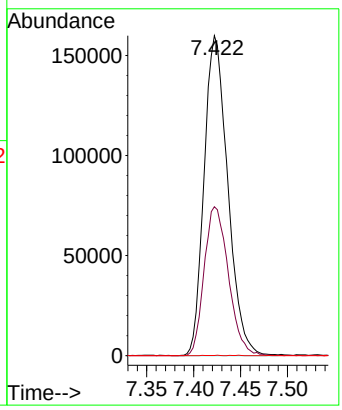




#51
2-Hexanone
Concen: 14.067 ppbv
RT: 7.422 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 28074

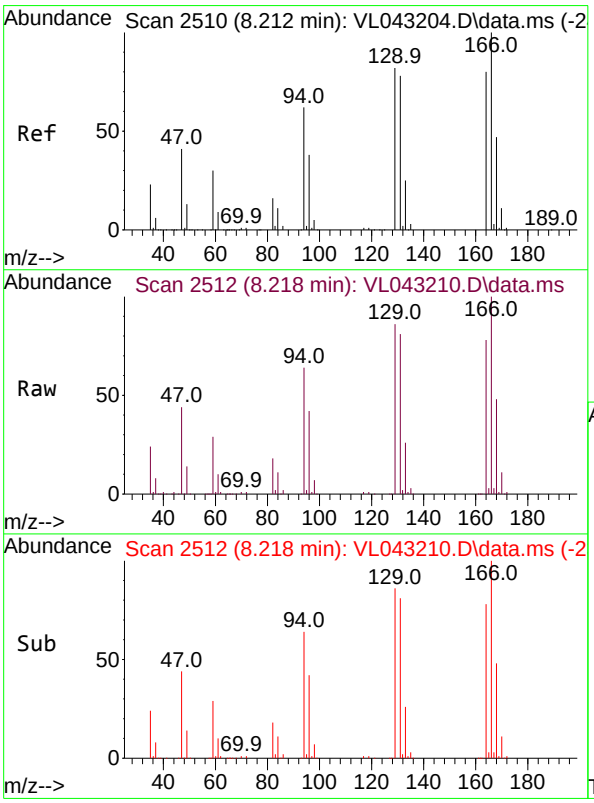
Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.4	57.6
98	0.1	0.0	0.0#



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

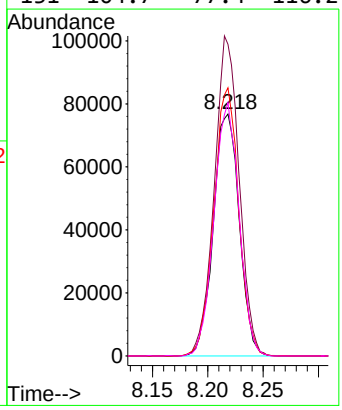
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

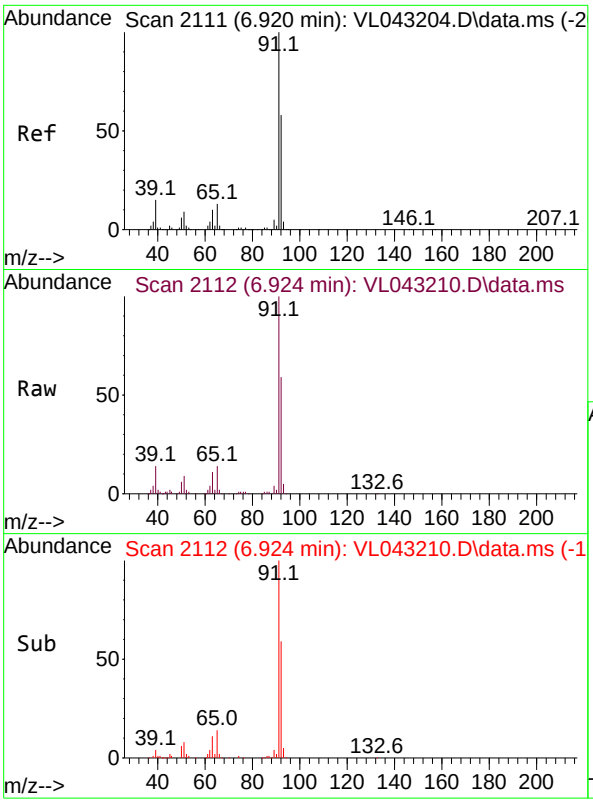


#52
Tetrachloroethene
Concen: 13.591 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:164 Resp: 125132

Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.4	149.2
129	110.8	81.8	122.8
131	104.7	77.4	116.2

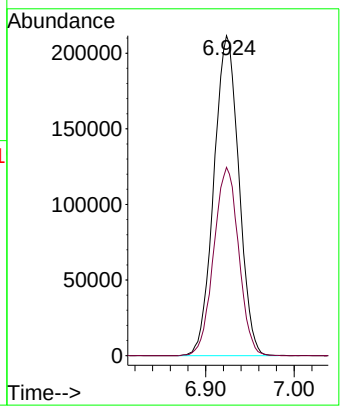




#53
Toluene
Concen: 14.050 ppbv
RT: 6.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 414411

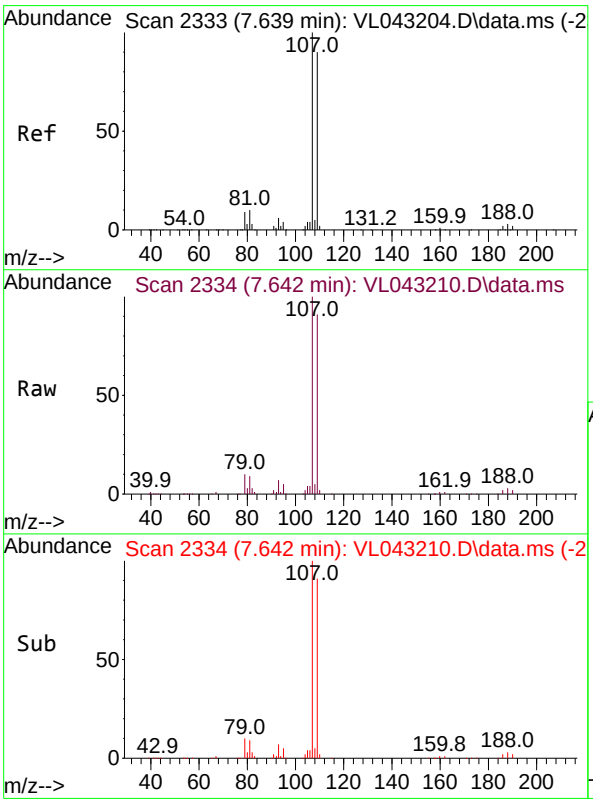
Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

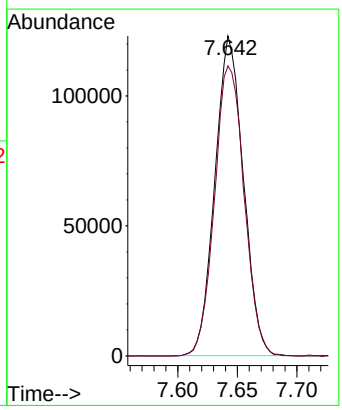
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

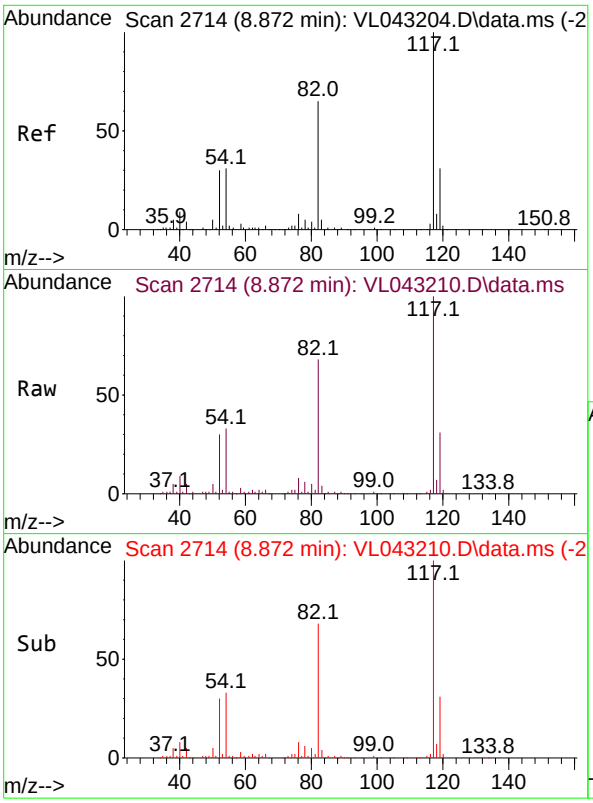


#54
1,2-Dibromoethane
Concen: 14.413 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:107 Resp: 203913

Ion	Ratio	Lower	Upper
107	100		
109	90.6	72.1	108.1

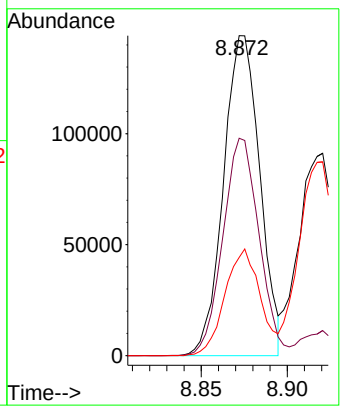




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:117 Resp: 21124

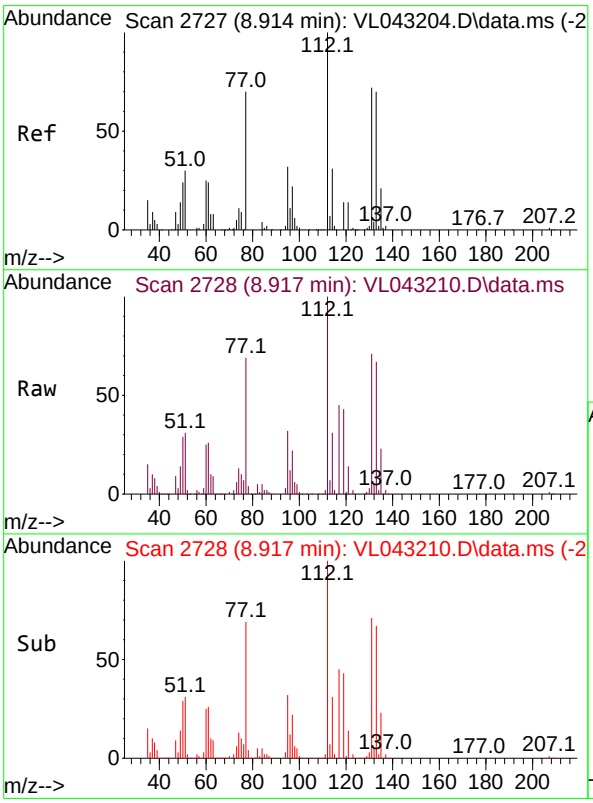
Ion	Ratio	Lower	Upper
117	100		
82	68.4	56.1	84.1
119	32.6	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

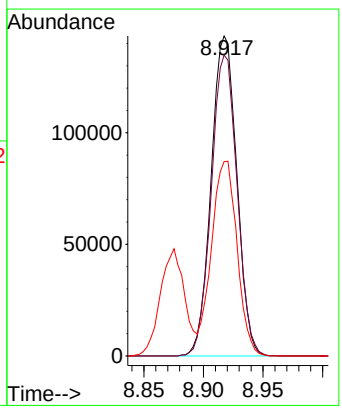
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

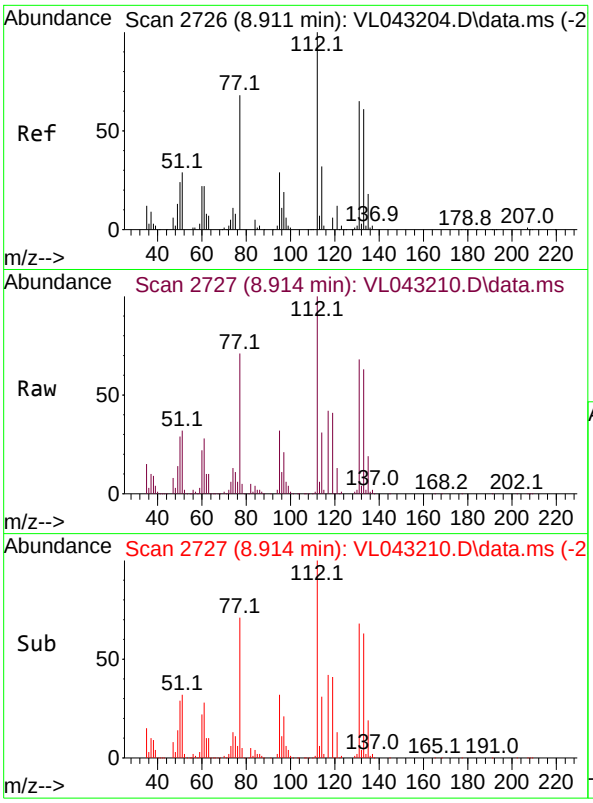


#56
1,1,1,2-Tetrachloroethane
Concen: 13.827 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:131 Resp: 214673

Ion	Ratio	Lower	Upper
131	100		
133	94.9	77.4	116.2
119	61.5	49.1	73.7

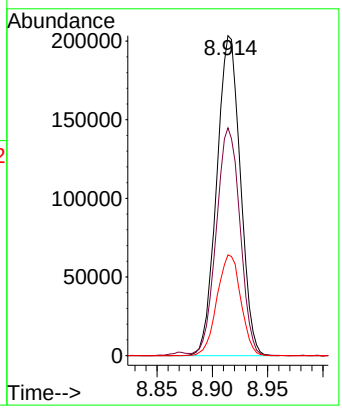




#57
Chlorobenzene
Concen: 13.923 ppbv
RT: 8.914 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:112 Resp: 30198

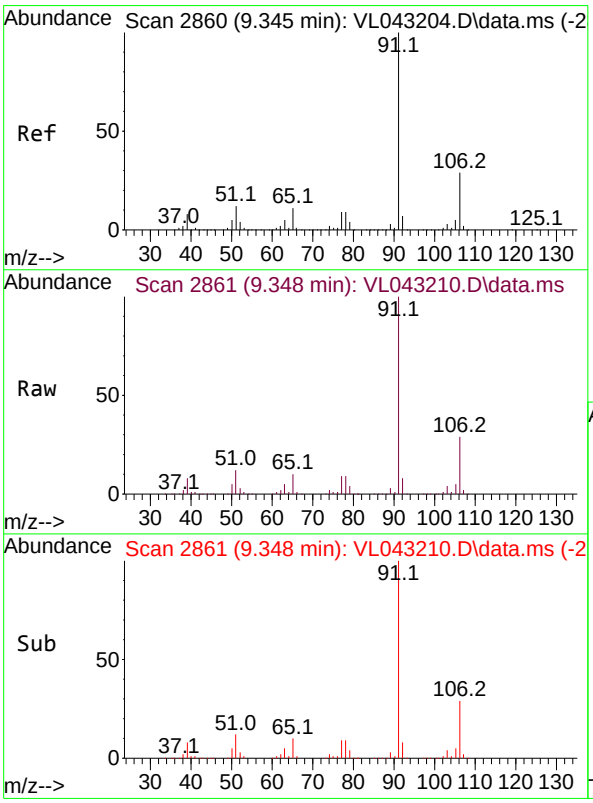
Ion	Ratio	Lower	Upper
112	100		
77	71.1	55.5	83.3
114	31.5	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

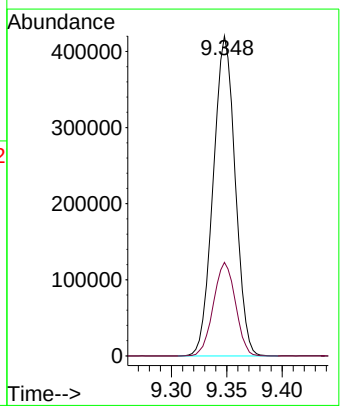
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

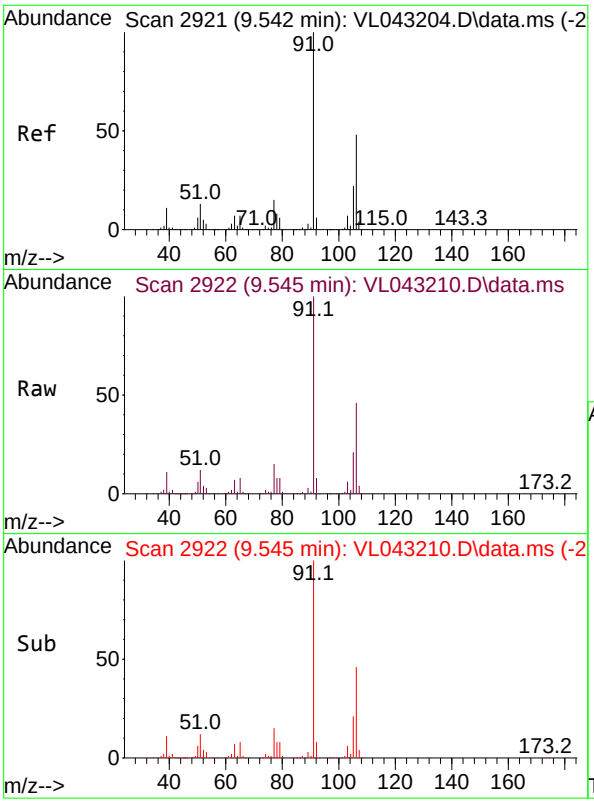


#58
Ethyl Benzene
Concen: 14.262 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 579890

Ion	Ratio	Lower	Upper
91	100		
106	29.2	22.8	34.2

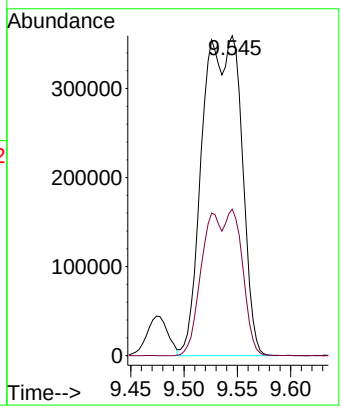




#59
m/p-Xylene
Concen: 28.000 ppbv m
RT: 9.545 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 91611

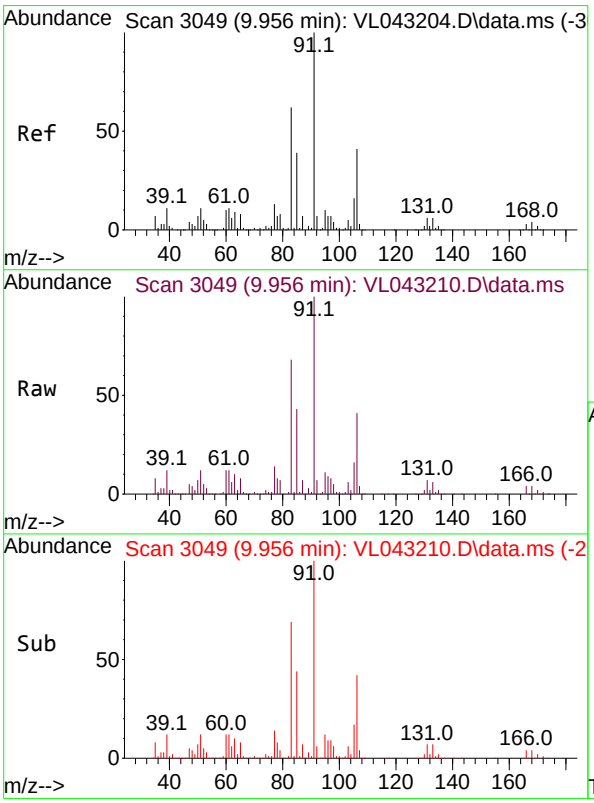
Ion	Ratio	Lower	Upper
91	100		
106	45.1	36.1	54.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

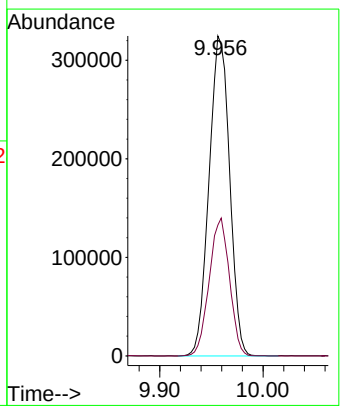
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

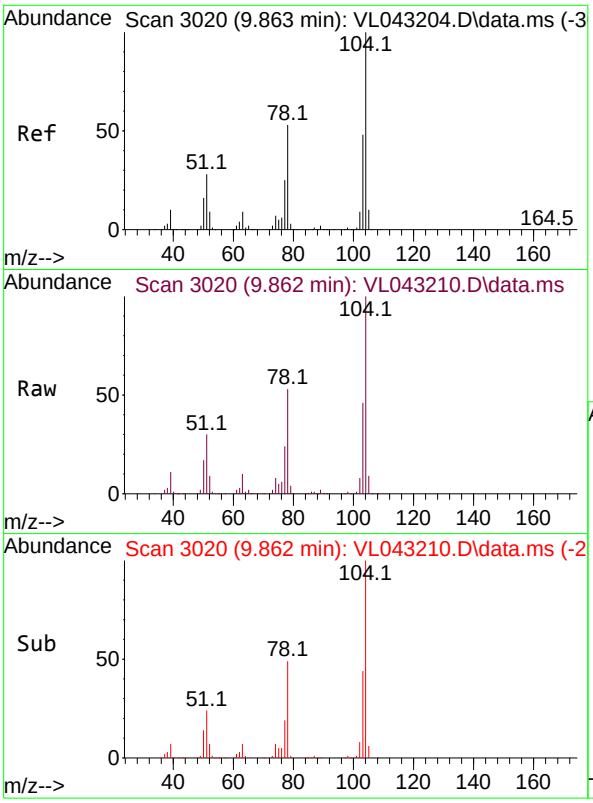


#60
o-Xylene
Concen: 13.826 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 450260

Ion	Ratio	Lower	Upper
91	100		
106	42.4	20.9	62.8

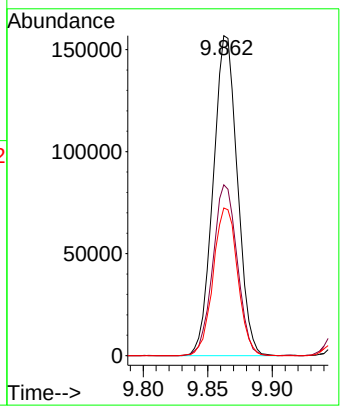




#61
Styrene
Concen: 14.382 ppbv
RT: 9.862 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:104 Resp: 20497

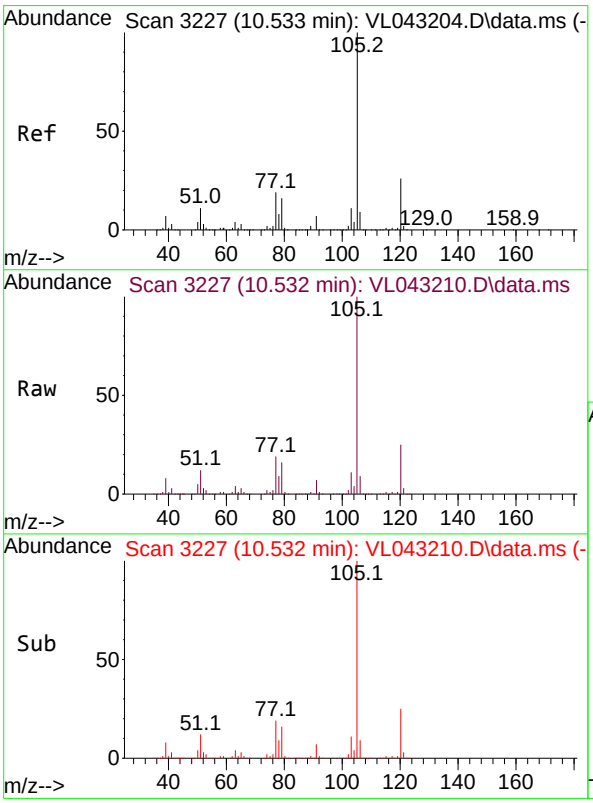
Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.1	63.1
103	46.9	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

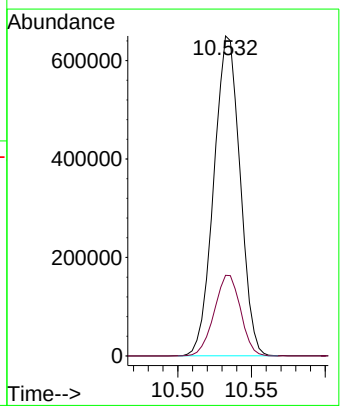
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

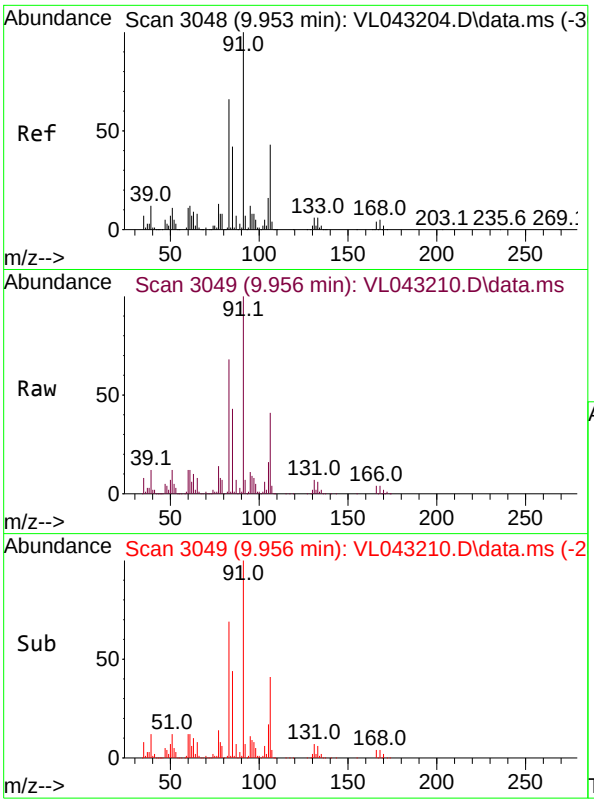


#62
Isopropylbenzene
Concen: 13.791 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 803487

Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.8	29.8

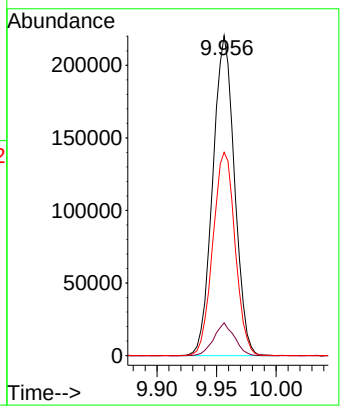




#63
1,1,2,2-Tetrachloroethane
Concen: 13.557 ppbv
RT: 9.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 83 Resp: 28025

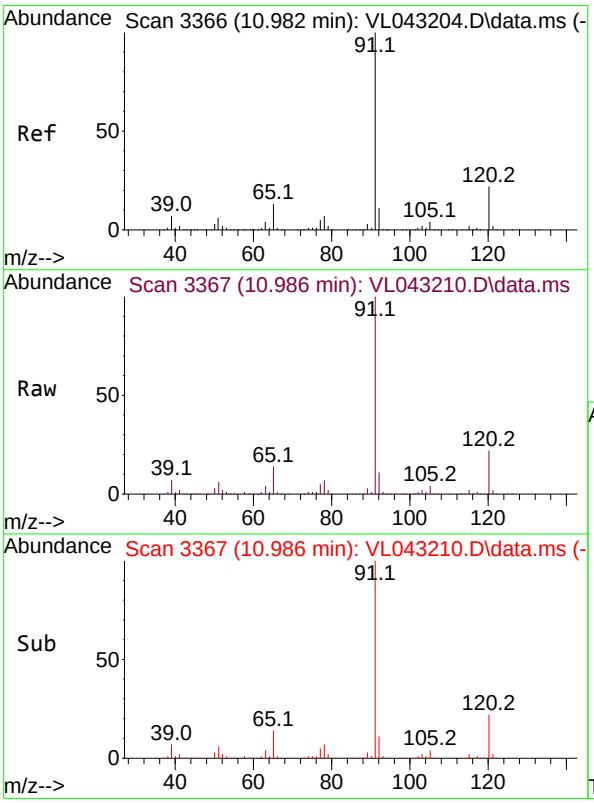
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.9	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

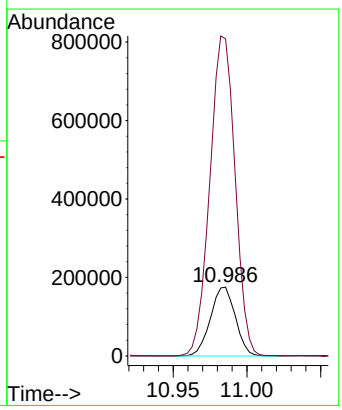
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

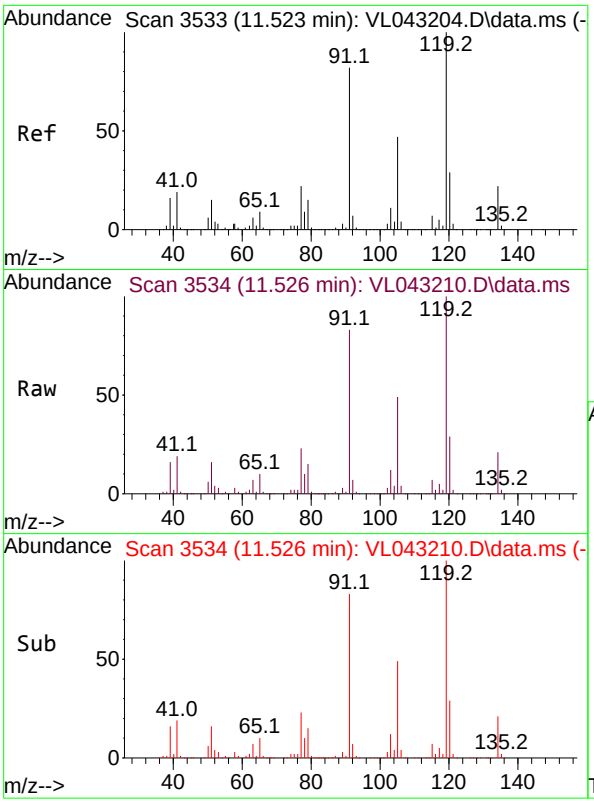


#64
n-propylbenzene
Concen: 13.737 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:120 Resp: 205637

Ion	Ratio	Lower	Upper
120	100		
91	471.6	377.1	565.7

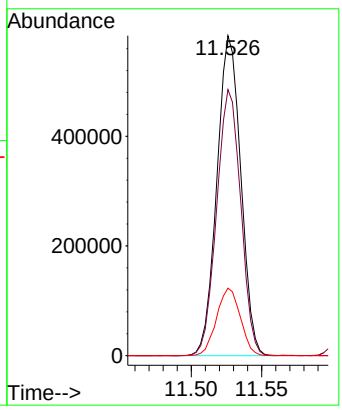




#65
tert-Butylbenzene
Concen: 13.249 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:119 Resp: 68935

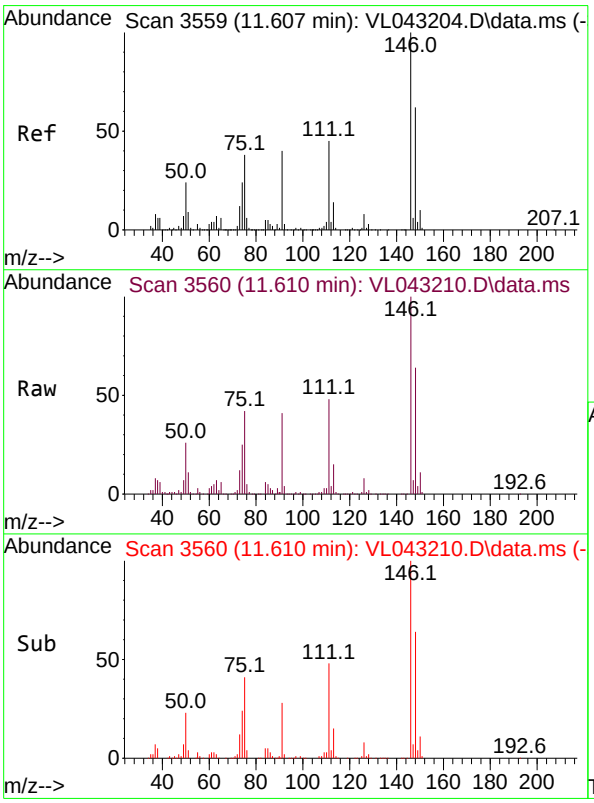
Ion	Ratio	Lower	Upper
119	100		
91	83.7	65.3	97.9
134	20.9	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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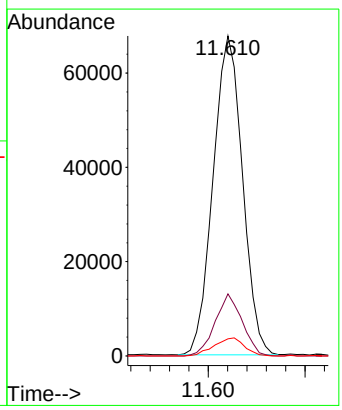
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

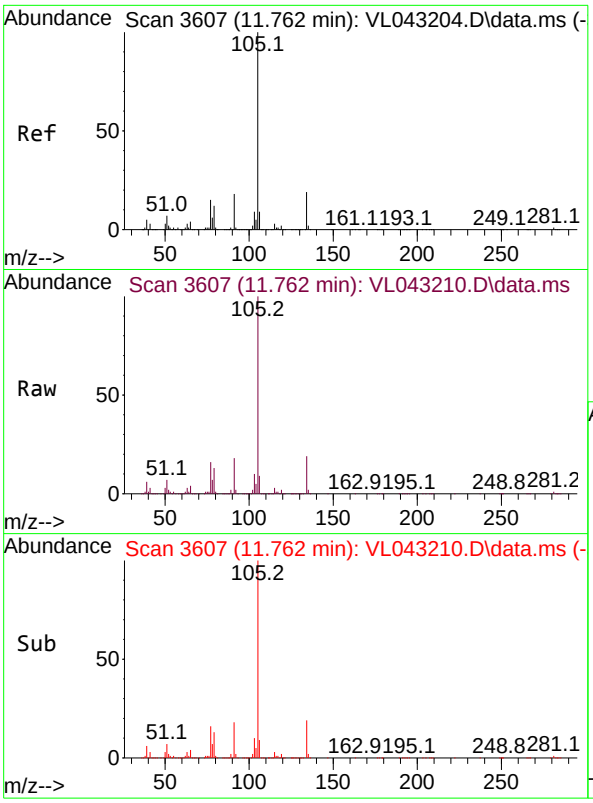


#66
Benzyl Chloride
Concen: 13.520 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 71386

Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.4	21.6
128	5.9	4.6	6.8





#67
sec-Butylbenzene
Concen: 13.394 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

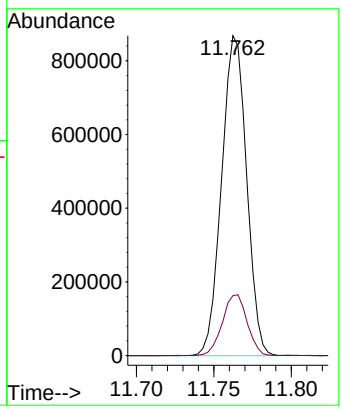
Tgt Ion:105 Resp: 97278

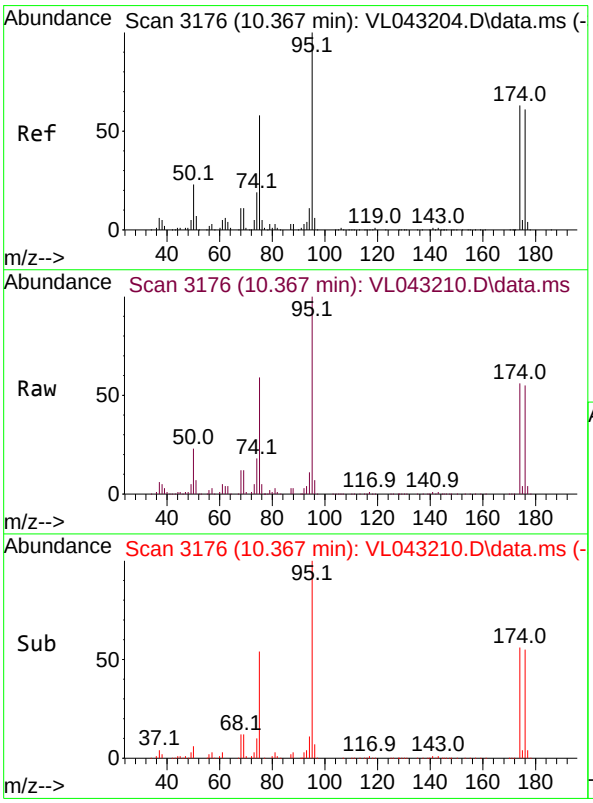
Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.0	22.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

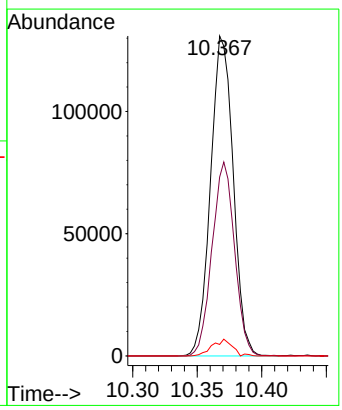


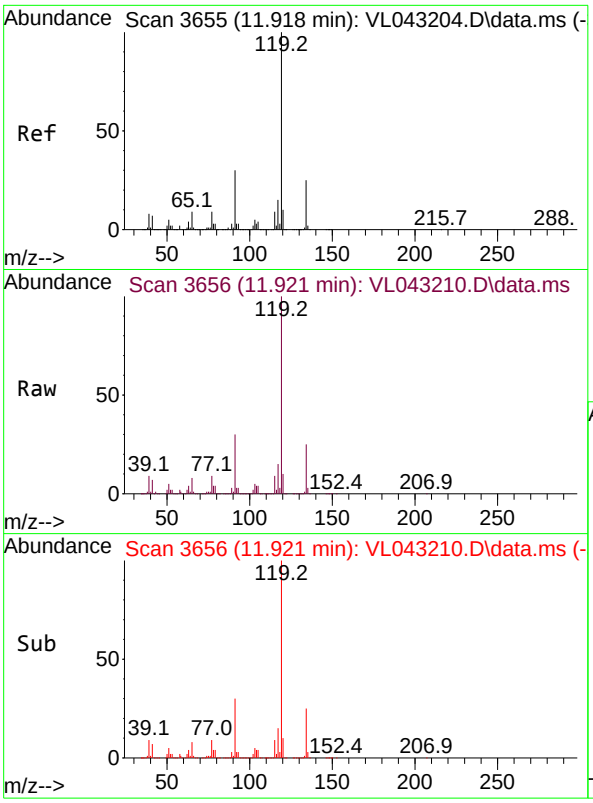


#68
1-Bromo-4-Fluorobenzene
Concen: 10.321 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 95 Resp: 159814

Ion	Ratio	Lower	Upper
95	100		
174	60.3	50.2	75.2
175	4.7	4.1	6.1

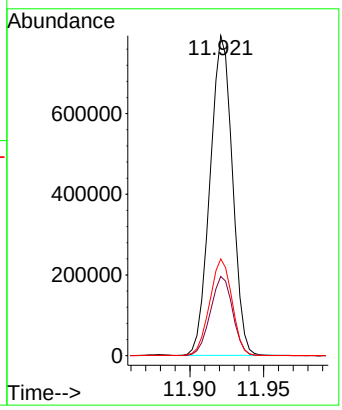




#69
p-Isopropyltoluene
Concen: 13.602 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:119 Resp: 836888

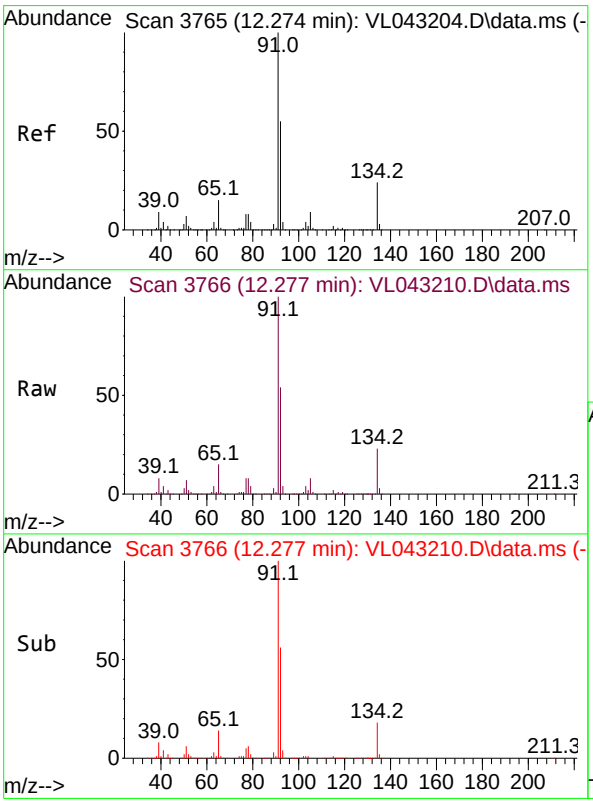
Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.2
91	30.3	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

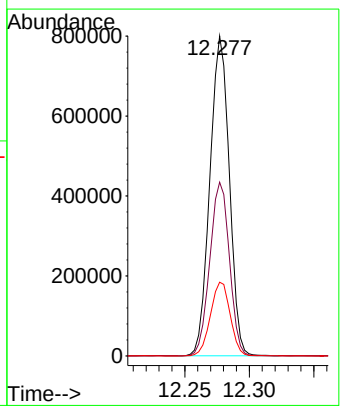
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

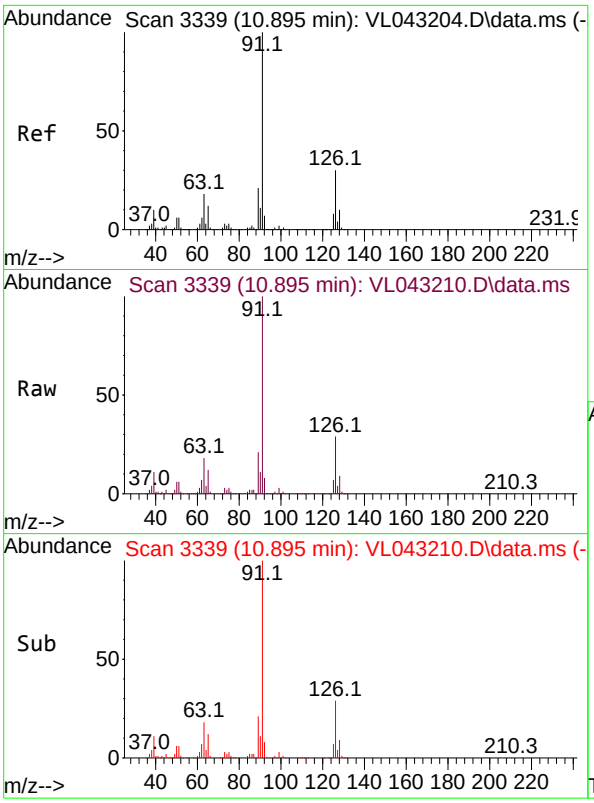


#70
n-Butylbenzene
Concen: 14.050 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 838598

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.5	65.3
134	23.4	19.0	28.6

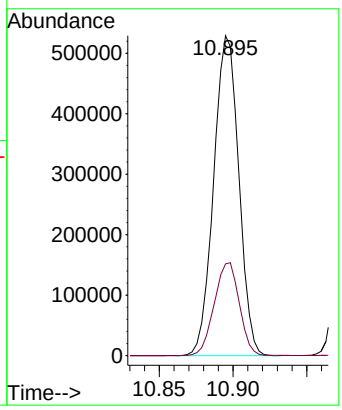




#71
2-Chlorotoluene
Concen: 13.976 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 62588

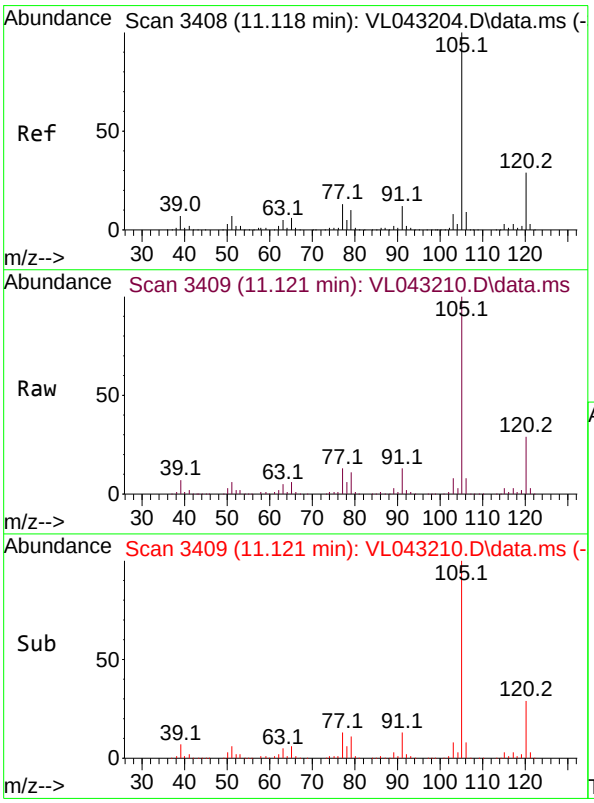
Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

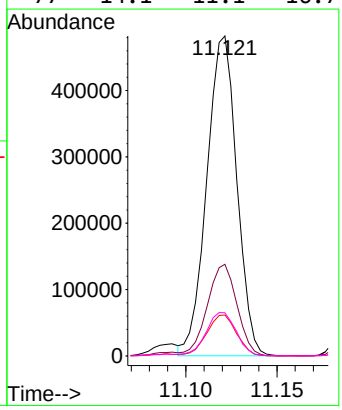
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

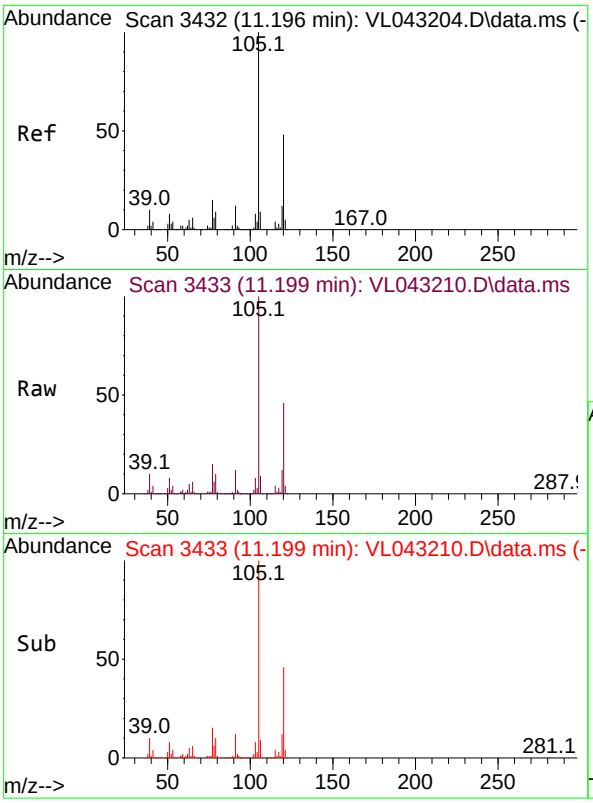


#72
4-Ethyltoluene
Concen: 13.961 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 553654

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.8	35.8
91	13.2	10.3	15.5
77	14.1	11.1	16.7

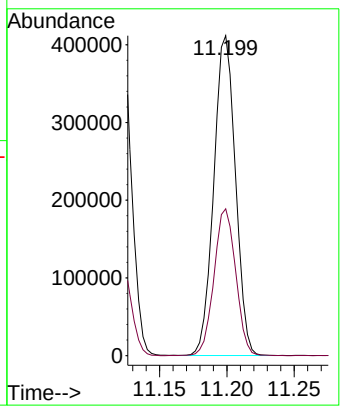




#73
1,3,5-Trimethylbenzene
Concen: 13.846 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 46078

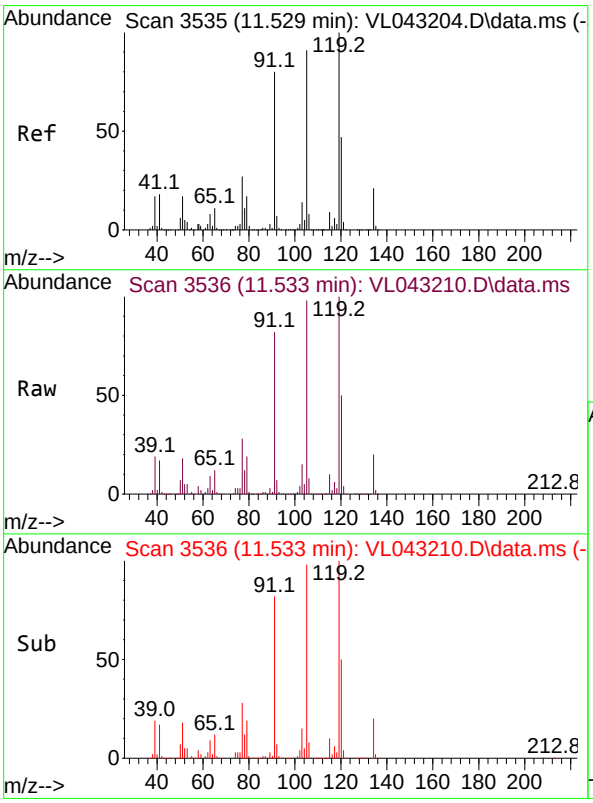
Ion	Ratio	Lower	Upper
105	100		
120	45.9	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

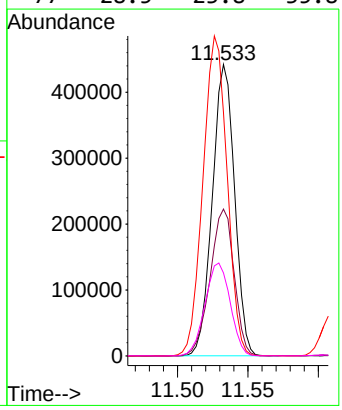
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

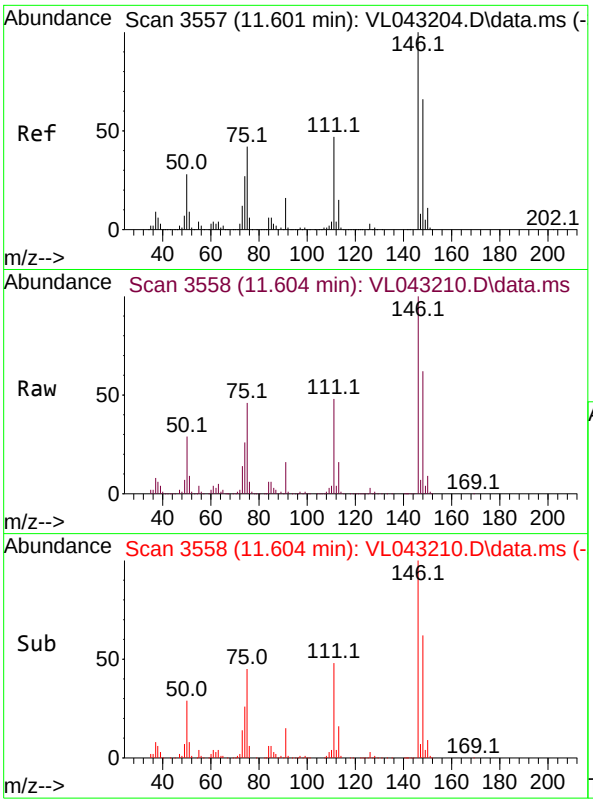


#74
1,2,4-Trimethylbenzene
Concen: 13.409 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 486995

Ion	Ratio	Lower	Upper
105	100		
120	50.4	41.7	62.5
91	83.4	70.0	105.0
77	28.5	23.8	35.8

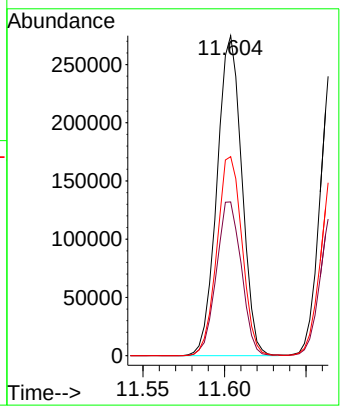




#75
1,3-Dichlorobenzene
Concen: 13.784 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:146 Resp: 29214

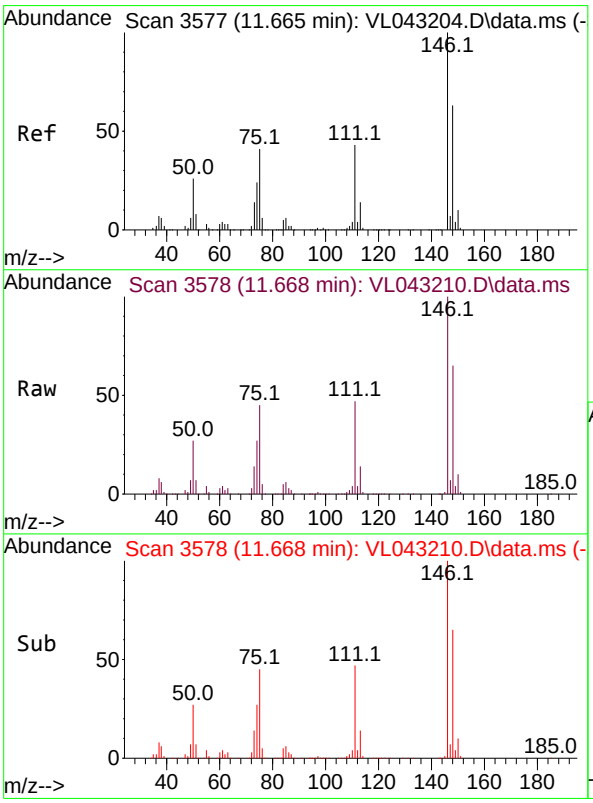
Ion	Ratio	Lower	Upper
146	100		
111	48.4	23.4	70.3
148	63.1	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

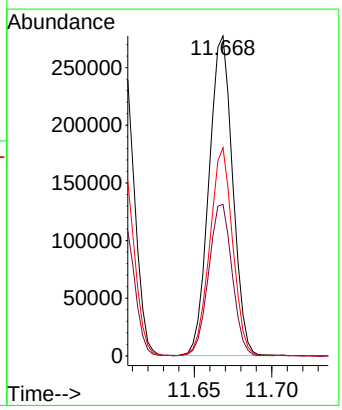
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

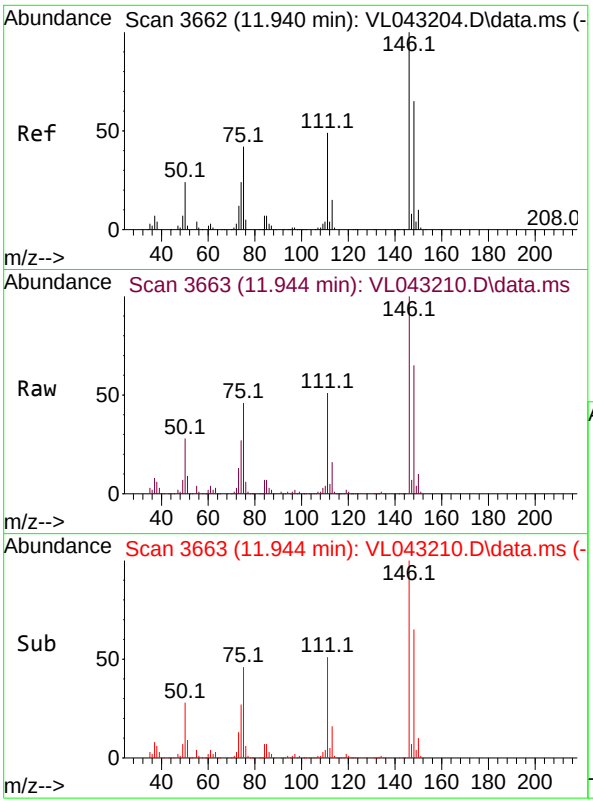


#76
1,4-Dichlorobenzene
Concen: 13.903 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:146 Resp: 294723

Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.8	68.3
148	63.2	31.8	95.4

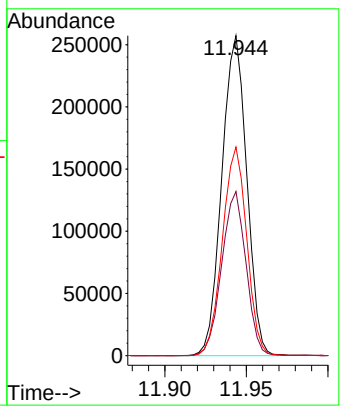




#77
1,2-Dichlorobenzene
Concen: 13.420 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:146 Resp: 27346

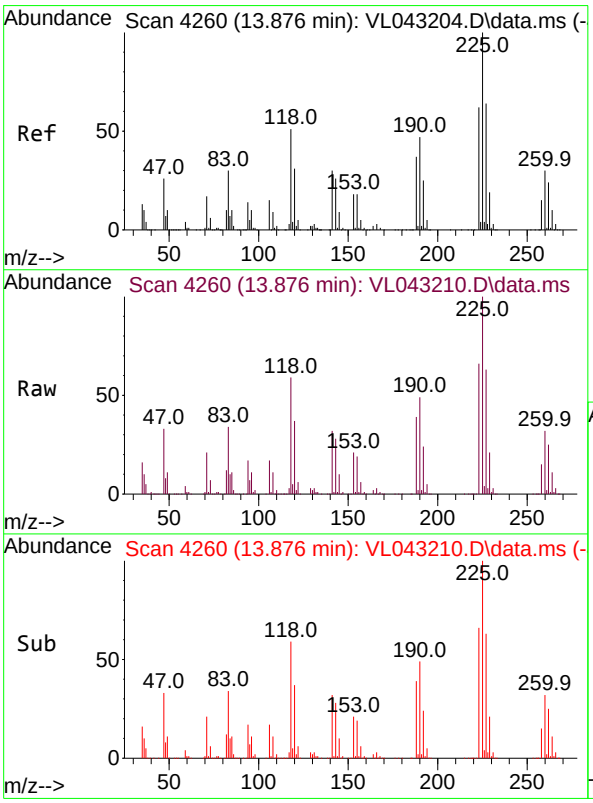
Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.3	73.0
148	63.9	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

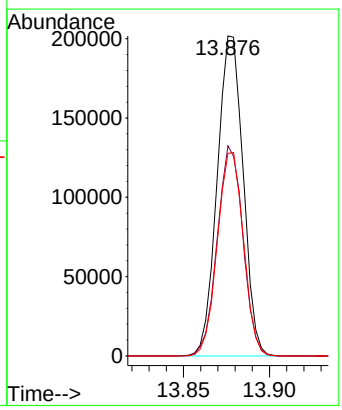
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

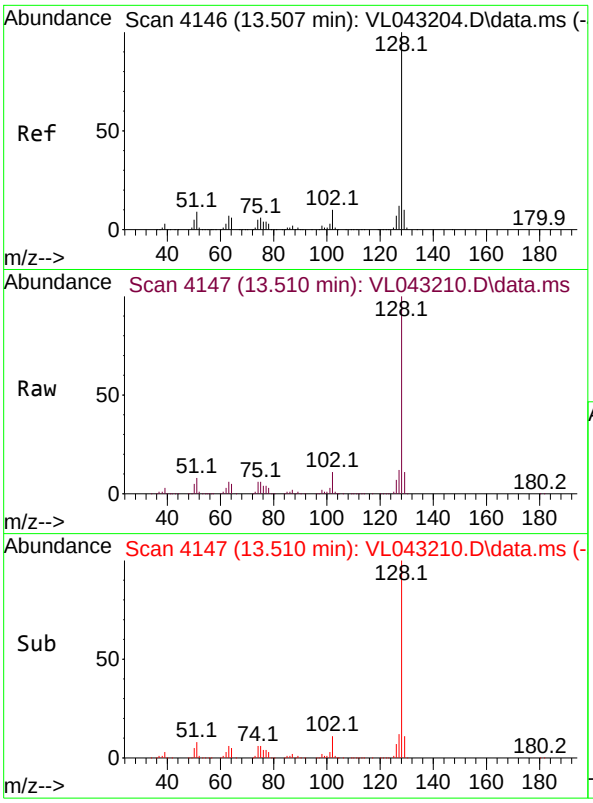


#78
Hexachloro-1,3-Butadiene
Concen: 12.416 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:225 Resp: 211153

Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.2	75.4
227	63.9	51.1	76.7

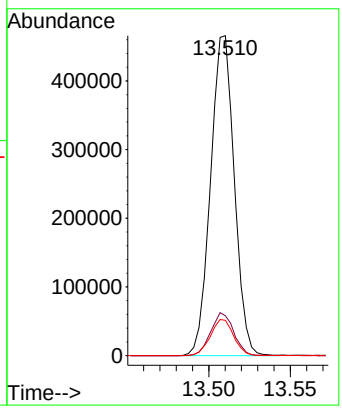




#79
Naphthalene
Concen: 14.670 ppbv
RT: 13.510 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:128 Resp: 473229

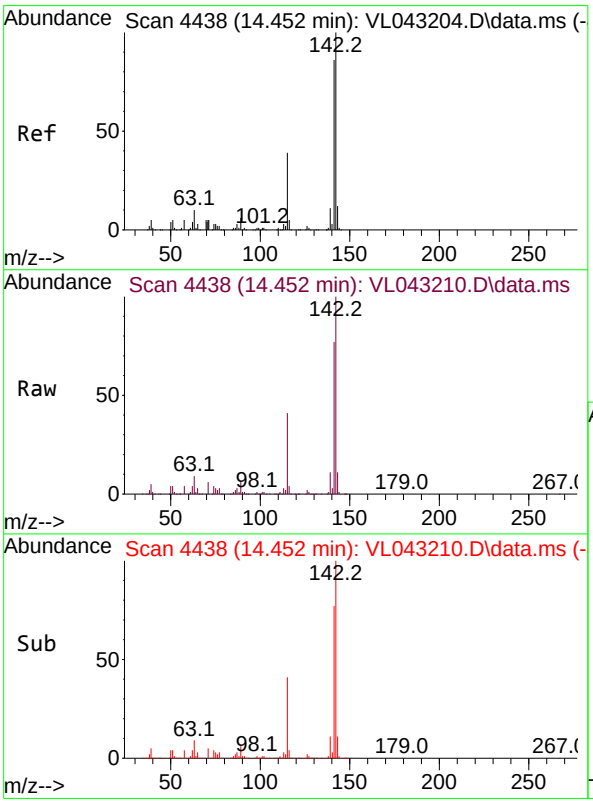
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.1	8.4	12.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

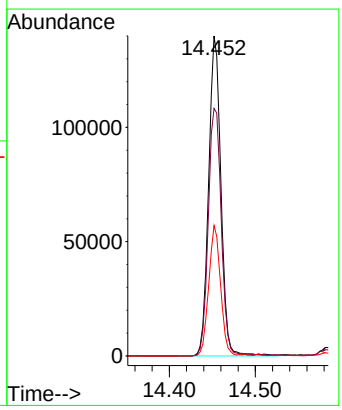
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

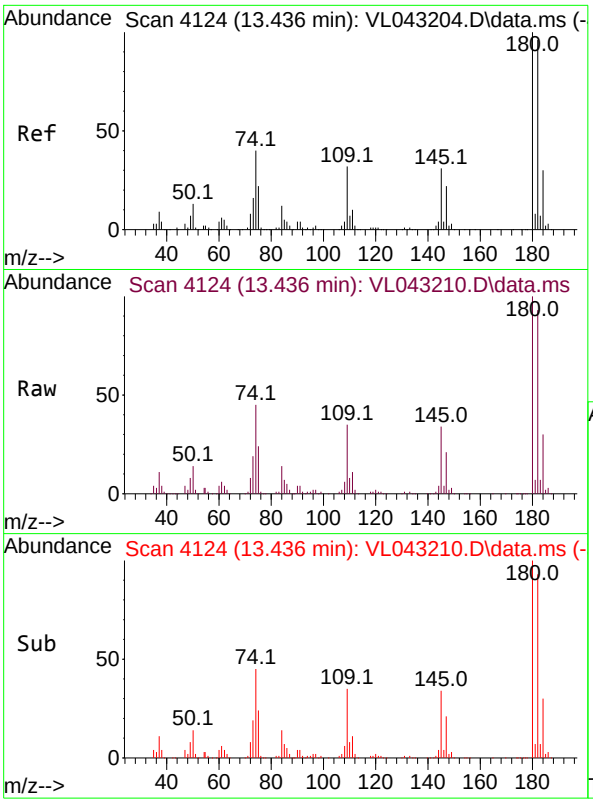


#80
Naphthalene,2-methyl-
Concen: 16.418 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:142 Resp: 139019

Ion	Ratio	Lower	Upper
142	100		
141	82.6	67.1	100.7
115	40.2	31.9	47.9

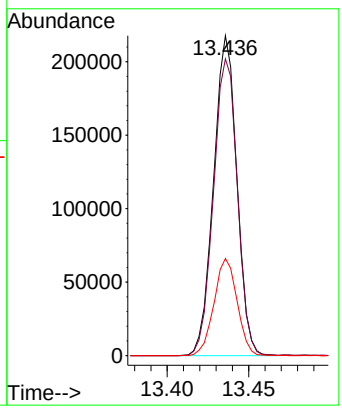




#81
1,2,4-Trichlorobenzene
Concen: 14.990 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:180 Resp: 21626

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.2
184	30.1	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	97854	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	261914	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	216212	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	159242	10.048	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	133374	9.664	ppbv	98
3) Chlorodifluoromethane	1.476	51	124858	9.199	ppbv	98
4) Chloromethane	1.535	50	46906	9.090	ppbv	95
5) Vinyl Chloride	1.580	62	47932	8.493	ppbv	95
6) Bromomethane	1.667	94	22230	8.126	ppbv	99
7) Chloroethane	1.703	64	19854	9.033	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	110587	9.632	ppbv	97
9) Propene	1.483	41	54006m	9.370	ppbv	
10) Heptane	4.975	43	149202	8.698	ppbv	99
11) Trichlorofluoromethane	1.878	101	134746	10.077	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	100984	9.673	ppbv	99
13) Ethanol	1.719	45	15371	7.584	ppbv	92
14) Bromoethene	1.781	108	36979	9.240	ppbv	98
15) Acetone	1.832	43	104830	7.711	ppbv	99
16) 1,3-Butadiene	1.609	39	54795	9.041	ppbv	96
17) tert-Butyl alcohol	2.036	59	164987	9.245	ppbv	99
18) 1,1-Dichloroethene	2.033	96	43833	9.017	ppbv	99
19) Isopropyl Alcohol	1.884	45	64772	8.431	ppbv	97
20) Methylene Chloride	2.062	84	41254	10.323	ppbv	95
21) Allyl Chloride	2.095	41	75516	8.256	ppbv	97
22) trans-1,2-Dichloroethene	2.341	96	50228	9.041	ppbv	92
23) Vinyl Acetate	2.460	43	140156	8.539	ppbv	98
24) 1,1-Dichloroethane	2.409	63	103187	9.622	ppbv	97
25) Ethyl Acetate	2.829	43	258609	8.820	ppbv	99
26) Hexane	2.826	57	114312	8.892	ppbv	98
27) Carbon Disulfide	2.150	76	125048	9.528	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	64183	10.171	ppbv	98
29) Chloroform	2.846	83	173977	9.521	ppbv	99
30) Cyclohexane	3.852	84	98598	9.148	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	119843	9.379	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	182262	9.358	ppbv	98
34) 2-Butanone	2.551	43	160977	8.707	ppbv	98
35) Carbon Tetrachloride	3.761	117	182902	9.200	ppbv	98
36) Benzene	3.655	78	233094	9.293	ppbv	99
37) 1,2-Dichloroethane	3.214	62	143363	9.772	ppbv	98
38) Trichloroethene	4.542	130	90993	9.272	ppbv	95
39) 1,2-Dichloropropane	4.305	63	83416	9.086	ppbv	95
40) 1,4-Dioxane	4.571	88	32109	7.780	ppbv #	95
41) Tetrahydrofuran	3.046	42	90769	8.891	ppbv	98
42) Bromodichloromethane	4.486	83	195442	9.657	ppbv	96
43) Methyl Methacrylate	4.872	69	116325	8.737	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	393438	9.133	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	97587	7.863	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	115476	7.924	ppbv	97
47) 1,1,2-Trichloroethane	6.577	97	88525	9.086	ppbv	95
48) Dibromochloromethane	7.380	129	159365	9.514	ppbv	99
49) Bromoform	9.477	173	134790	9.085	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	224791	8.631	ppbv	99
51) 2-Hexanone	7.429	43	166506	8.233	ppbv #	100
52) Tetrachloroethene	8.222	164	82890	8.884	ppbv	98
53) Toluene	6.924	91	273172	9.197	ppbv	99
54) 1,2-Dibromoethane	7.645	107	124804	8.705	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.921	131	142512	8.969	ppbv	98
57) Chlorobenzene	8.917	112	199373	8.981	ppbv	96
58) Ethyl Benzene	9.351	91	381474	9.167	ppbv	97
59) m/p-Xylene	9.549	91	604165m	18.108	ppbv	
60) o-Xylene	9.960	91	295836	8.876	ppbv	99
61) Styrene	9.866	104	127117	8.714	ppbv	97
62) Isopropylbenzene	10.536	105	525717	8.816	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.960	83	178591	8.421	ppbv	100
64) n-propylbenzene	10.986	120	131634	8.591	ppbv	96
65) tert-Butylbenzene	11.529	119	450819	8.465	ppbv	99
66) Benzyl Chloride	11.614	91	27878	5.159	ppbv	99
67) sec-Butylbenzene	11.766	105	623520	8.388	ppbv	100
69) p-Isopropyltoluene	11.924	119	520880	8.272	ppbv	99
70) n-Butylbenzene	12.280	91	513027	8.398	ppbv	99
71) 2-Chlorotoluene	10.898	91	396434	8.649	ppbv	99
72) 4-Ethyltoluene	11.122	105	356325	8.779	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	294977	8.660	ppbv	95
74) 1,2,4-Trimethylbenzene	11.533	105	314606	8.463	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	180491	8.320	ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	179491	8.273	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	166137	7.966	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	125707	7.222	ppbv	100
79) Naphthalene	13.510	128	273029	8.270	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	74802	8.631	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	125470	8.497	ppbv	99

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

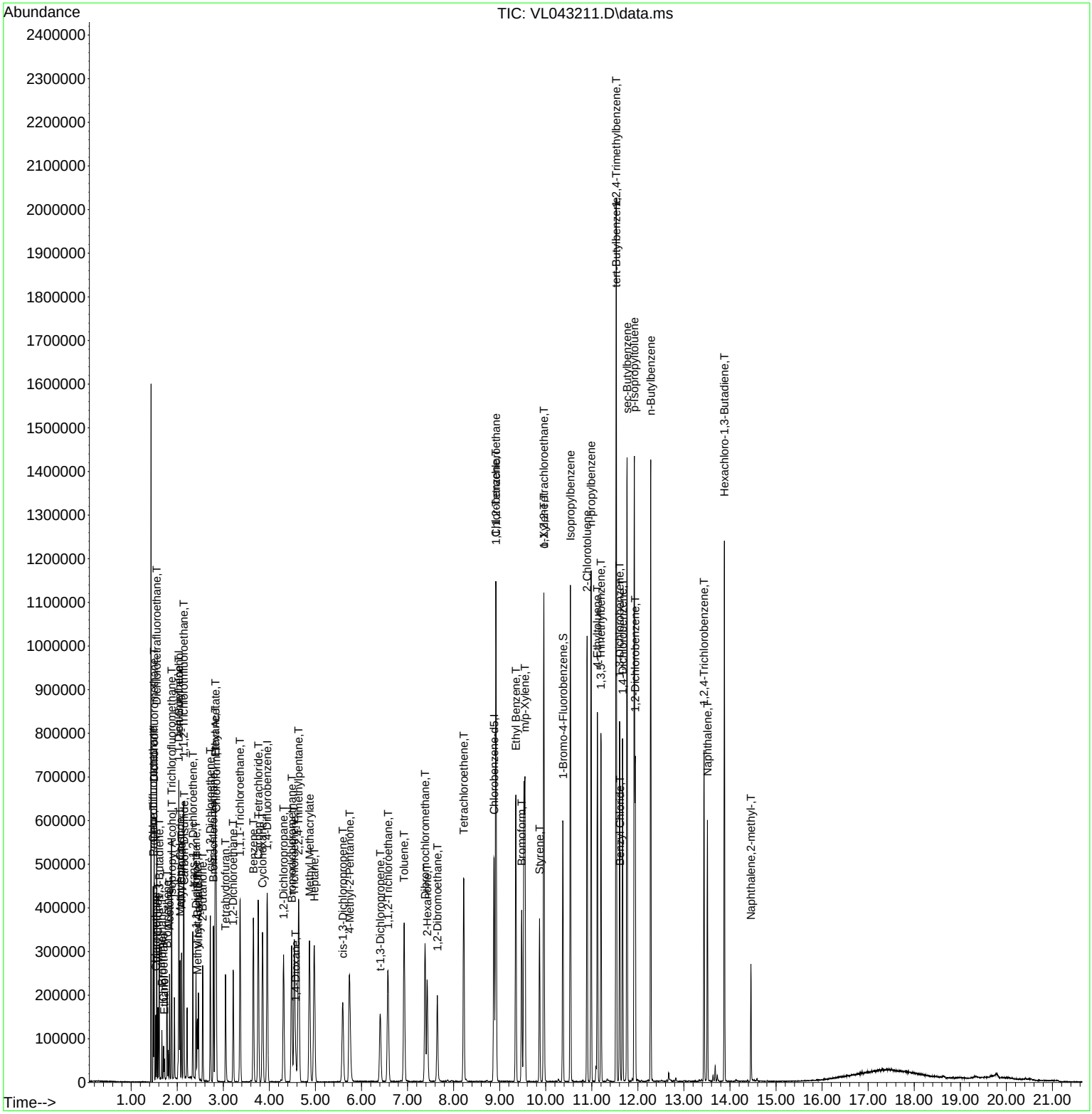
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Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

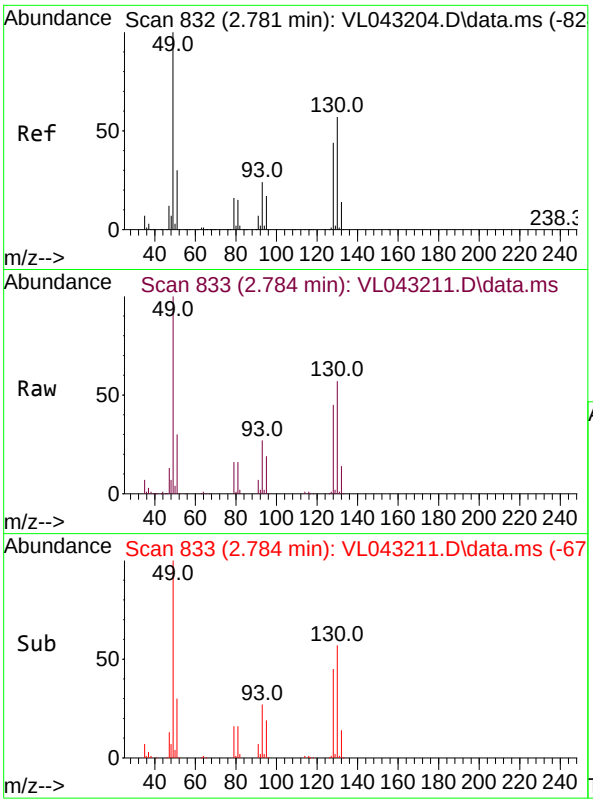
Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

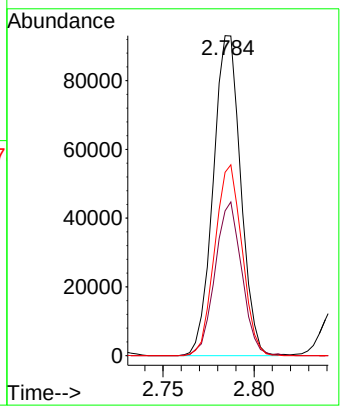




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 49 Resp: 9785

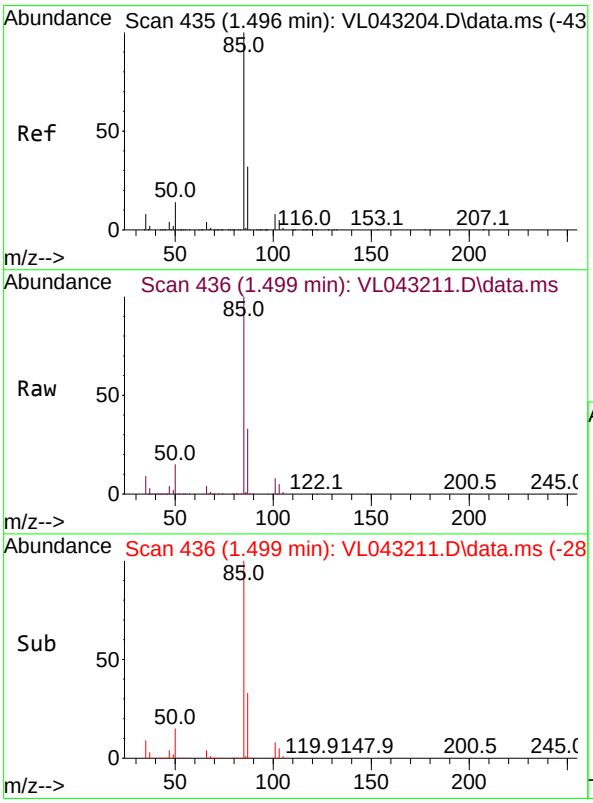
Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.0	69.0
130	59.0	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

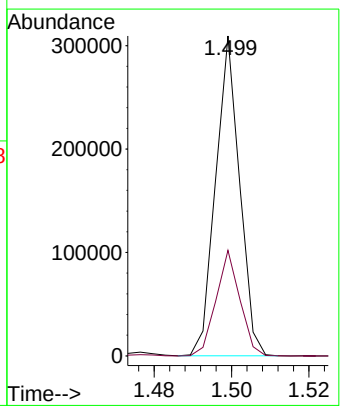
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

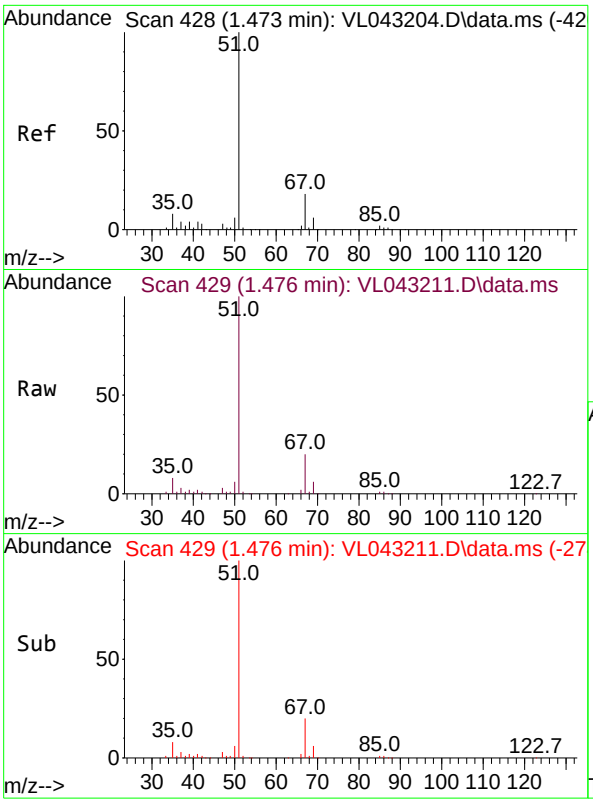


#2
Dichlorodifluoromethane
Concen: 9.664 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 85 Resp: 133374

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2

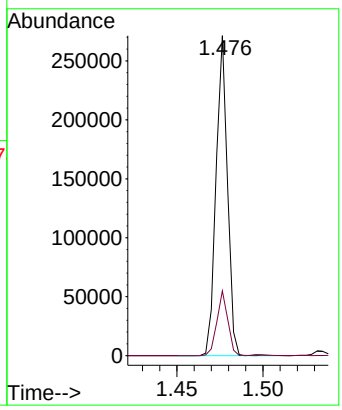




#3
Chlorodifluoromethane
Concen: 9.199 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 51 Resp: 12485

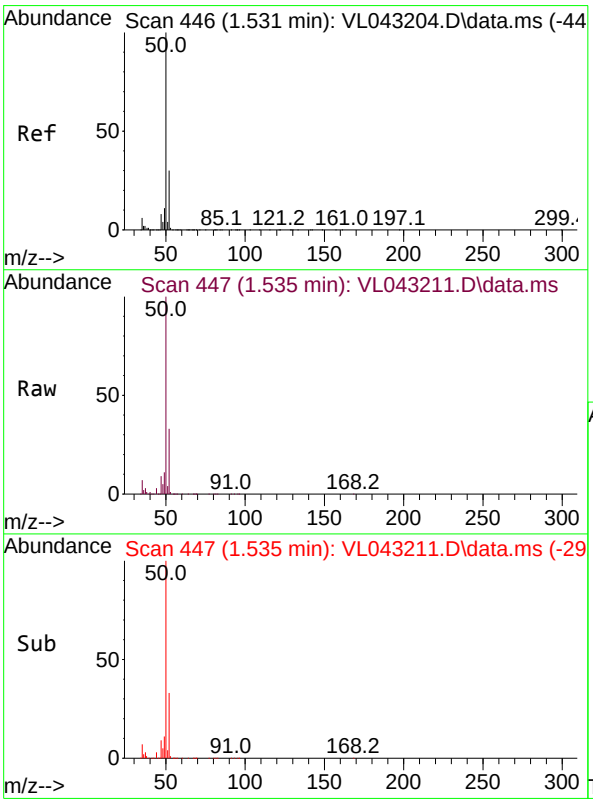
Ion	Ratio	Lower	Upper
51	100		
67	19.6	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

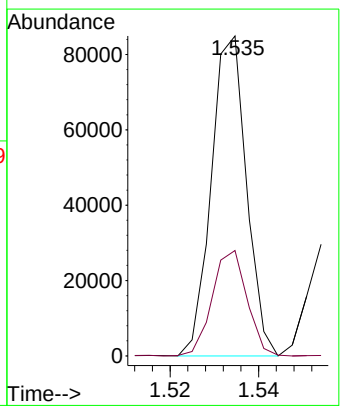
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

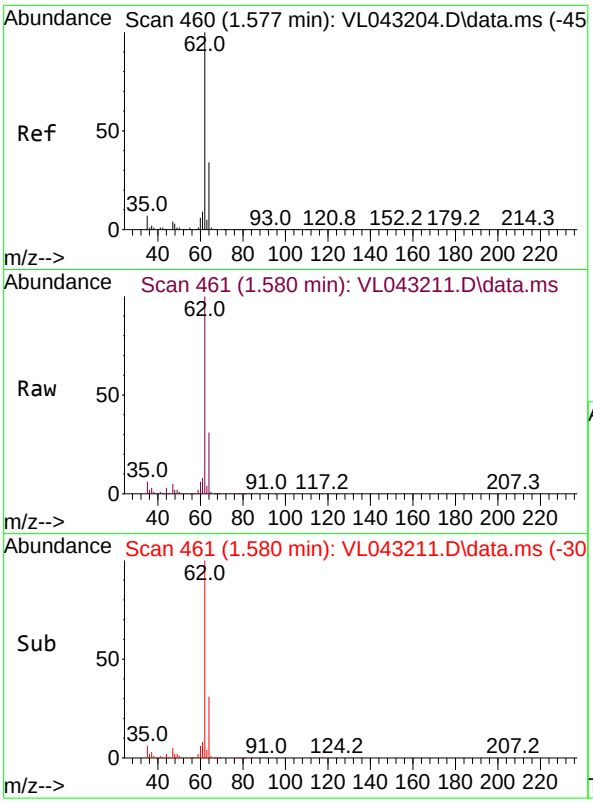


#4
Chloromethane
Concen: 9.090 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 50 Resp: 46906

Ion	Ratio	Lower	Upper
50	100		
52	32.8	24.1	36.1

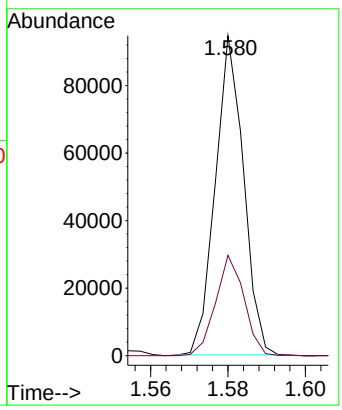




#5
Vinyl Chloride
Concen: 8.493 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 62 Resp: 4793

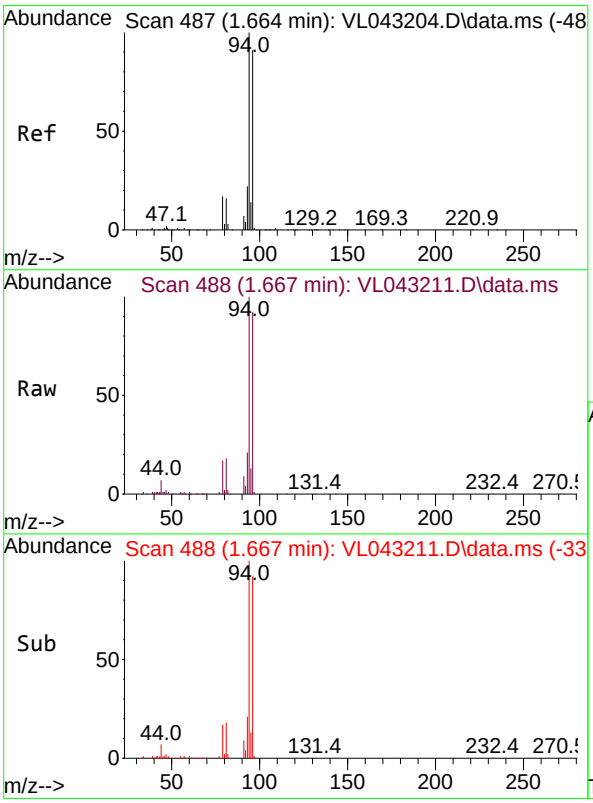
Ion	Ratio	Lower	Upper
62	100		
64	31.4	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

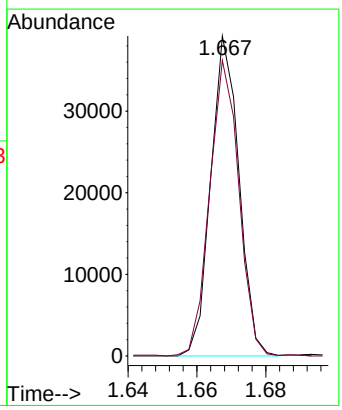
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

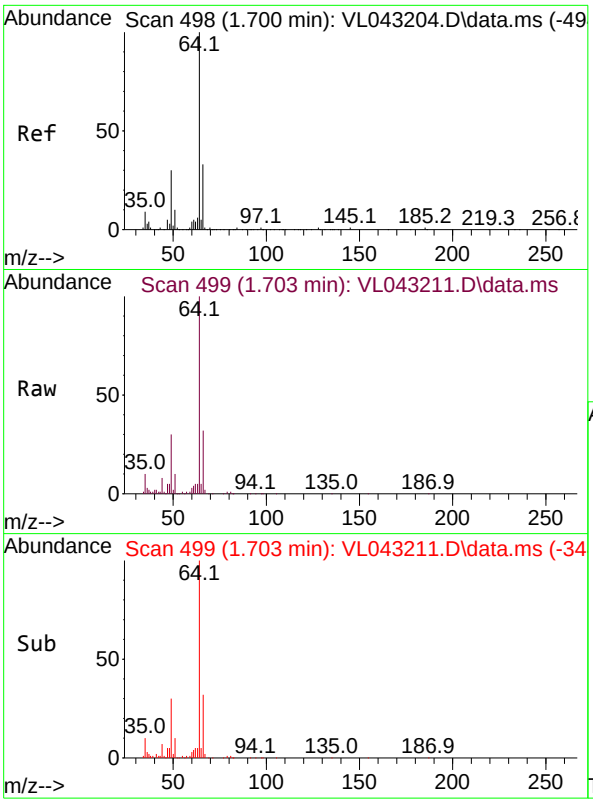


#6
Bromomethane
Concen: 8.126 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 94 Resp: 22230

Ion	Ratio	Lower	Upper
94	100		
96	92.2	72.9	109.3

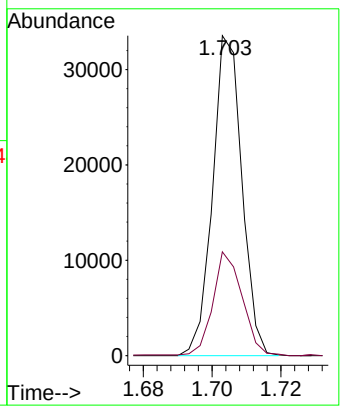




#7
Chloroethane
Concen: 9.033 ppbv
RT: 1.703 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 64 Resp: 1985

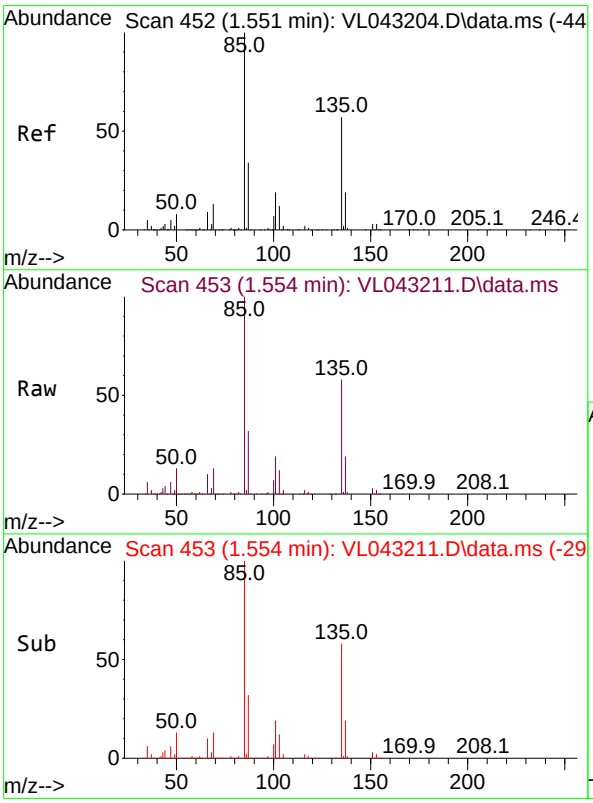
Ion	Ratio	Lower	Upper
64	100		
66	32.4	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

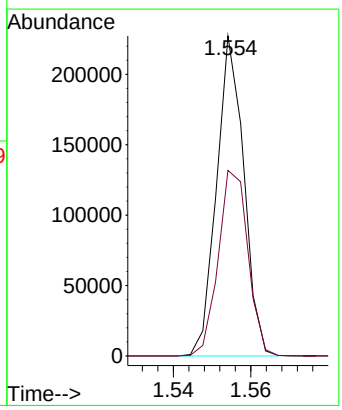
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

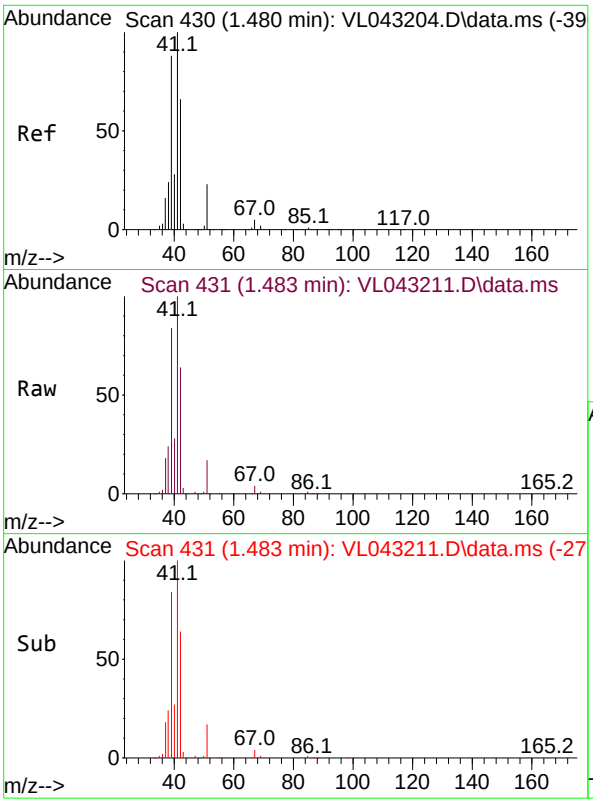


#8
Dichlorotetrafluoroethane
Concen: 9.632 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 85 Resp: 110587

Ion	Ratio	Lower	Upper
85	100		
135	63.5	52.6	79.0

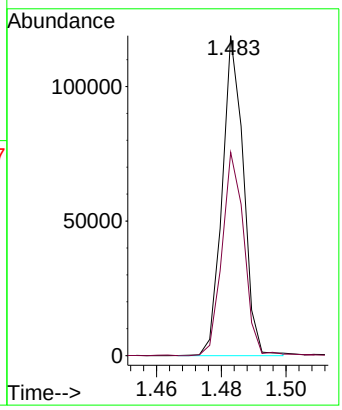




#9
Propene
Concen: 9.370 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 41 Resp: 5400

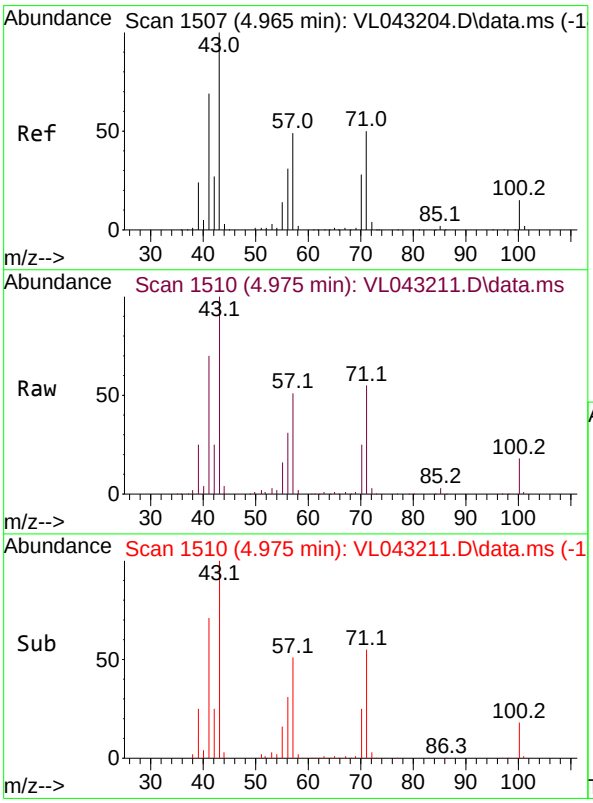
Ion	Ratio	Lower	Upper
41	100		
42	4.4	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

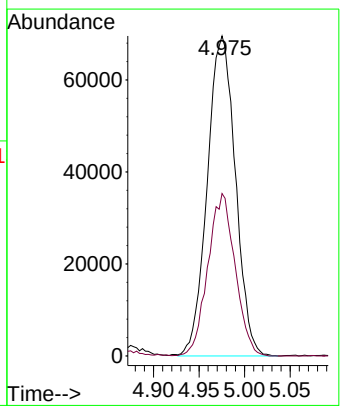
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

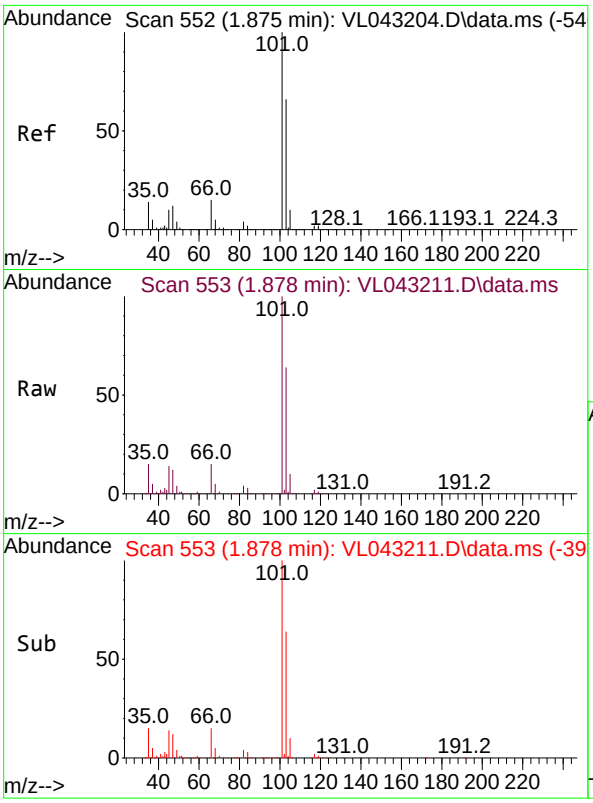


#10
Heptane
Concen: 8.698 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 149202

Ion	Ratio	Lower	Upper
43	100		
57	49.1	39.7	59.5

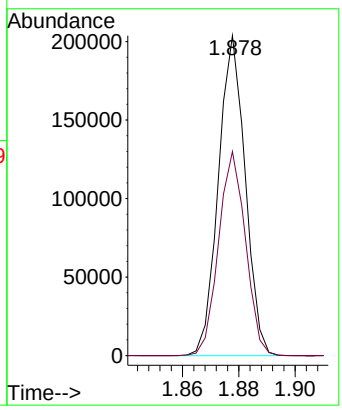




#11
Trichlorofluoromethane
Concen: 10.077 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:101 Resp: 13474

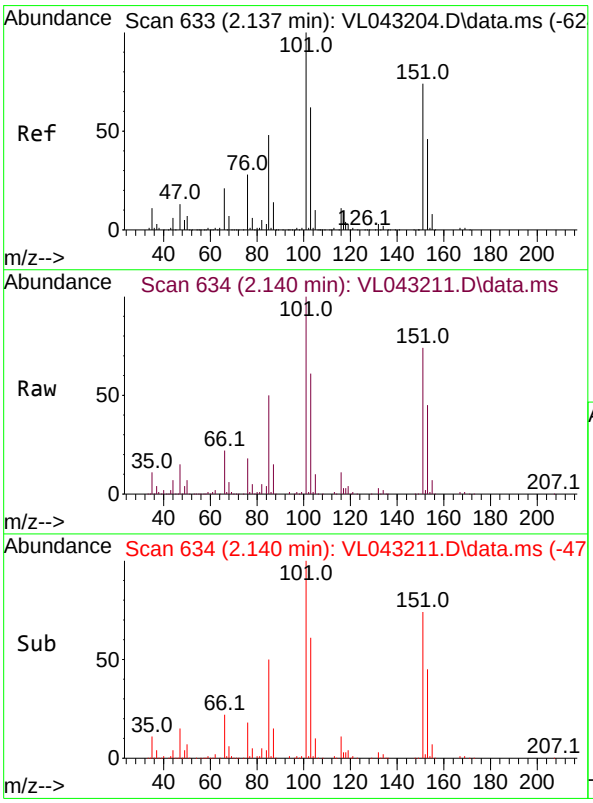
Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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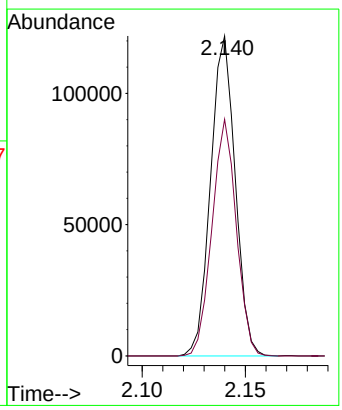
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

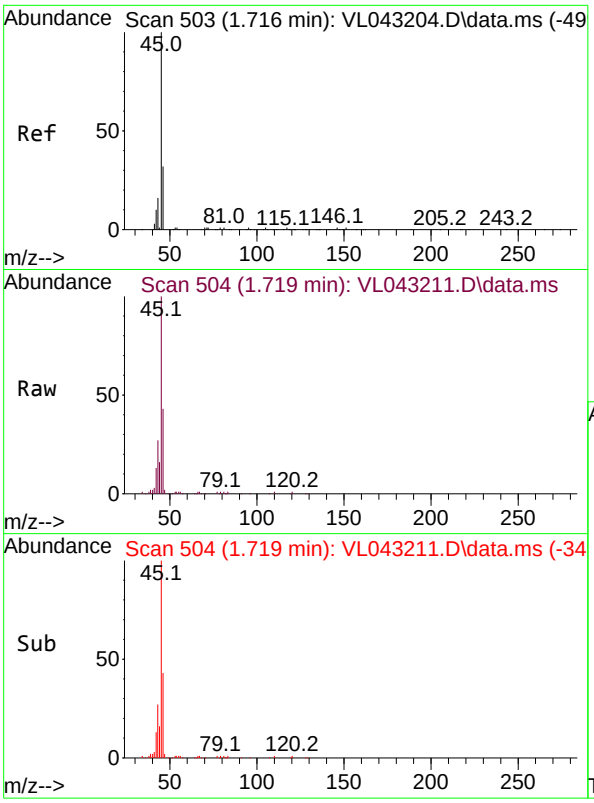


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.673 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:101 Resp: 100984

Ion	Ratio	Lower	Upper
101	100		
151	73.1	59.2	88.8

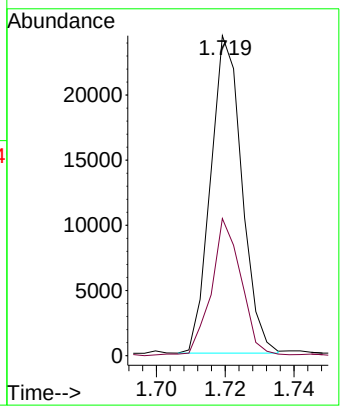




#13
Ethanol
Concen: 7.584 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 45 Resp: 1537

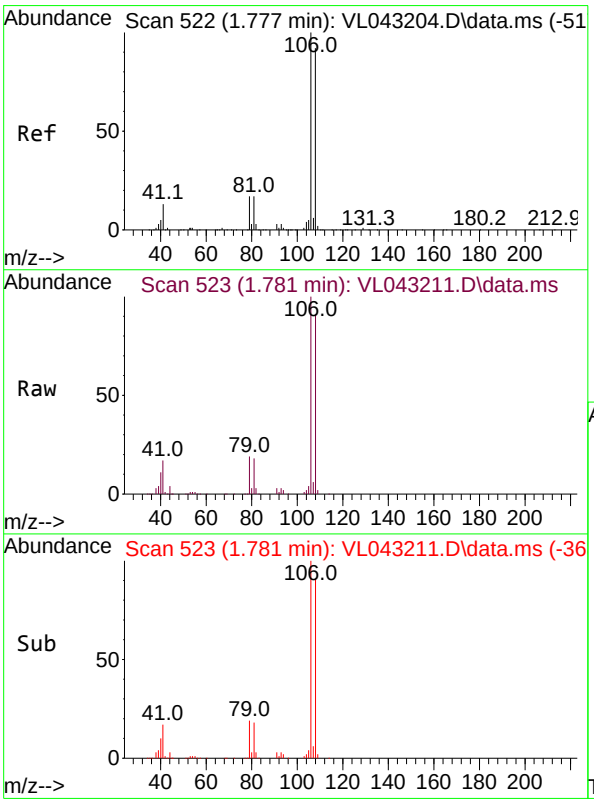
Ion	Ratio	Lower	Upper
45	100		
46	42.2	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

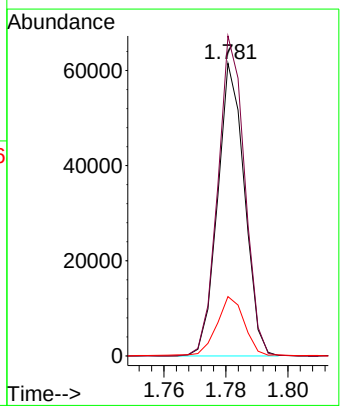
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

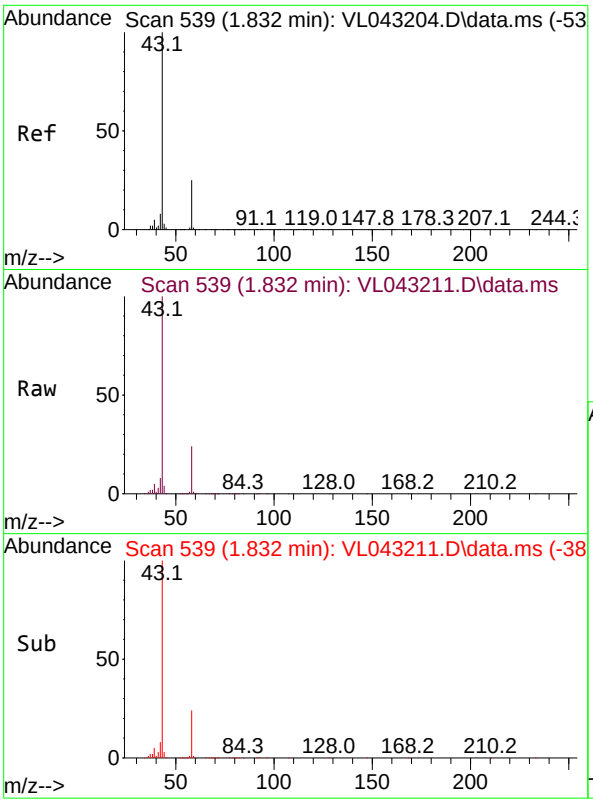


#14
Bromoethene
Concen: 9.240 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:108 Resp: 36979

Ion	Ratio	Lower	Upper
108	100		
106	109.3	88.9	133.3
79	21.9	16.5	24.7

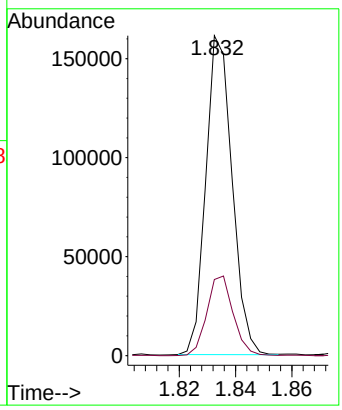




#15
Acetone
Concen: 7.711 ppbv
RT: 1.832 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 10483

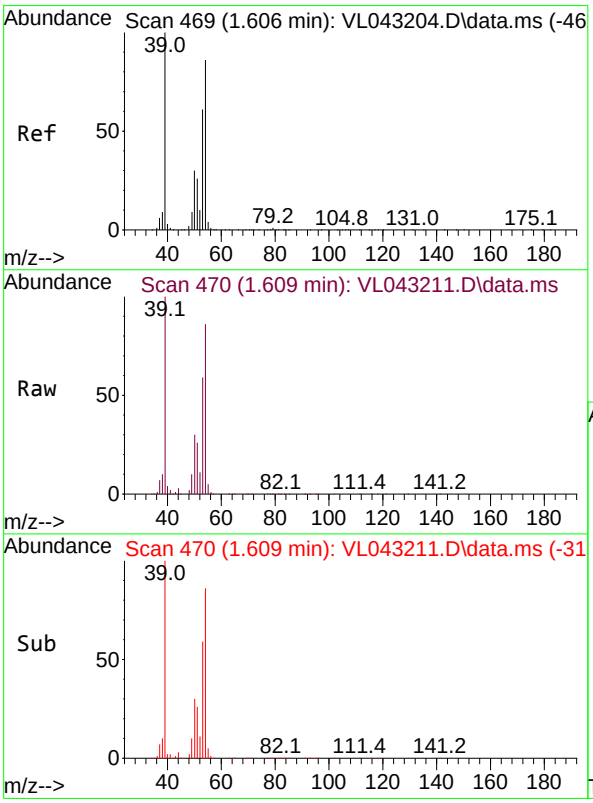
Ion	Ratio	Lower	Upper
43	100		
58	25.2	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

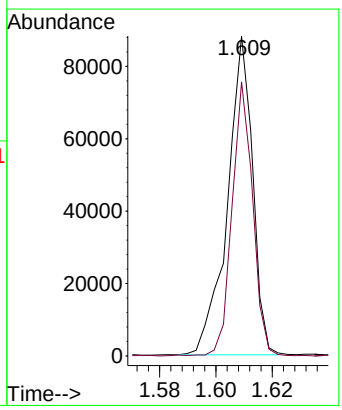
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

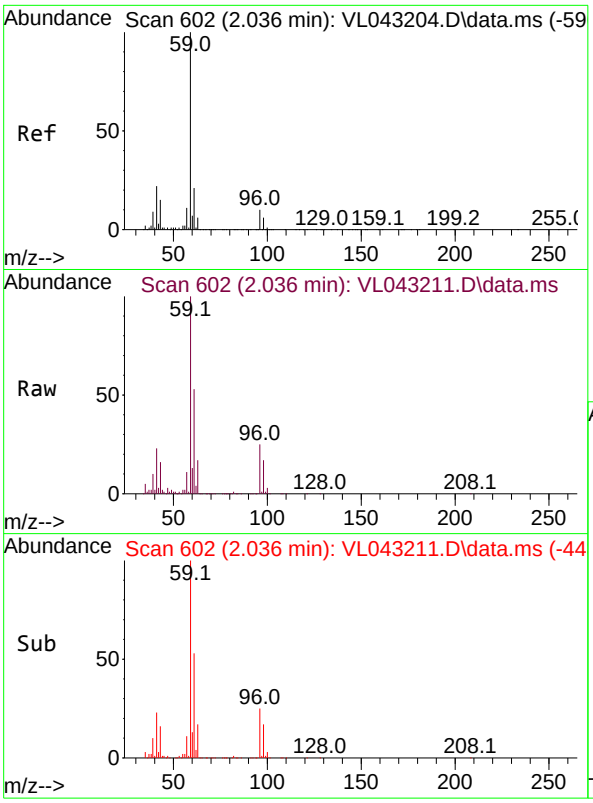


#16
1,3-Butadiene
Concen: 9.041 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 39 Resp: 54795

Ion	Ratio	Lower	Upper
39	100		
54	71.3	59.4	89.2

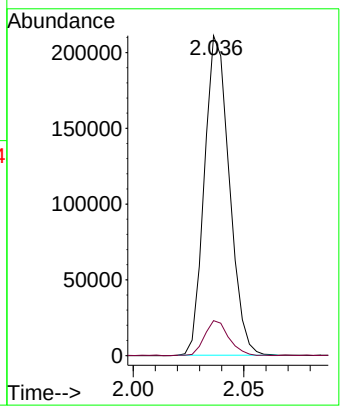




#17
tert-Butyl alcohol
Concen: 9.245 ppbv
RT: 2.036 min Scan# 6(
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 59 Resp: 16498

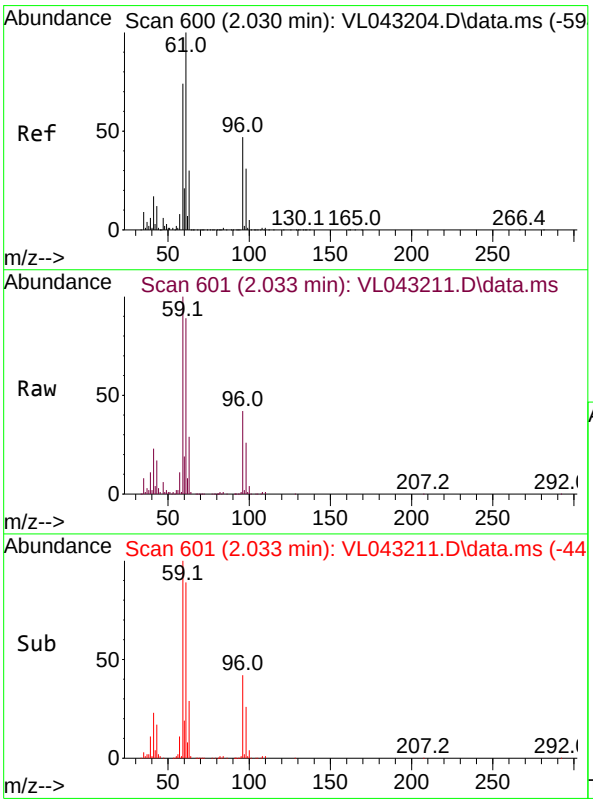
Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

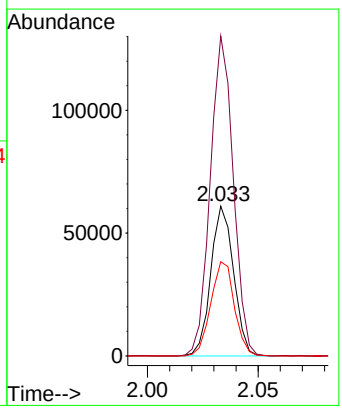
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

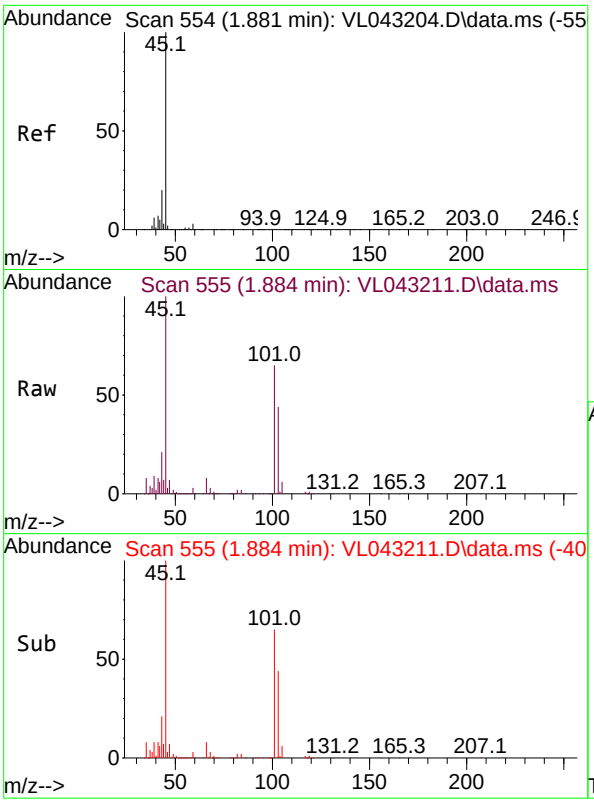


#18
1,1-Dichloroethene
Concen: 9.017 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 96 Resp: 43833

Ion	Ratio	Lower	Upper
96	100		
61	214.0	170.6	255.8
98	62.9	52.2	78.4

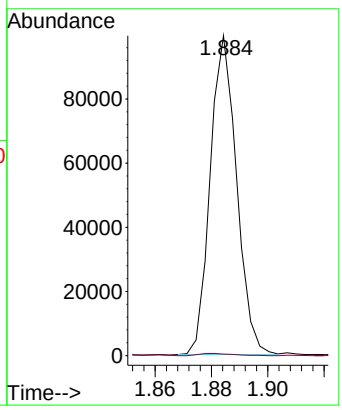




#19
Isopropyl Alcohol
Concen: 8.431 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 45 Resp: 6477

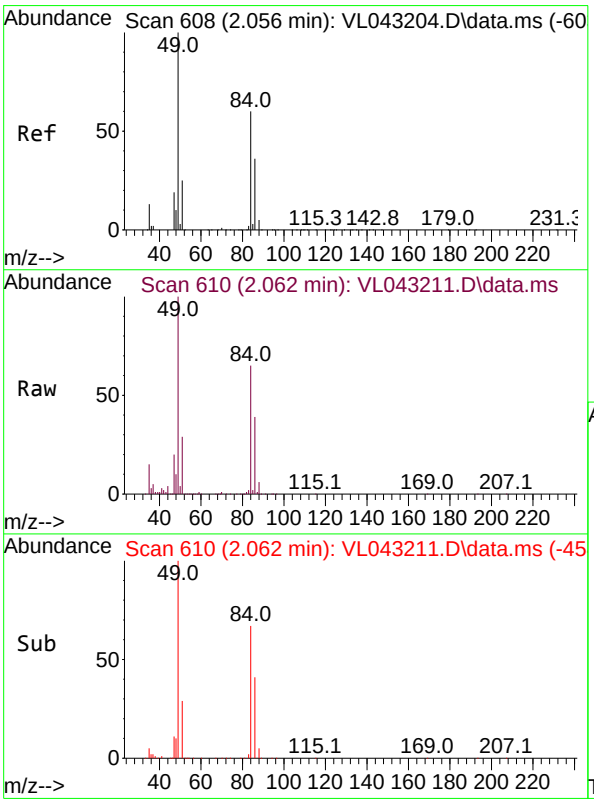
Ion	Ratio	Lower	Upper
45	100		
58	40.8	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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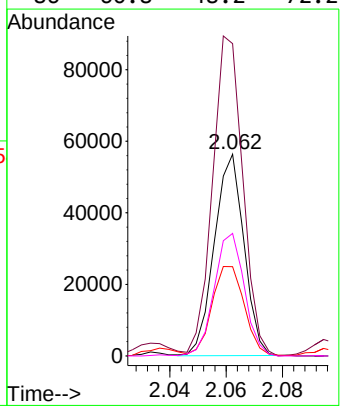
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

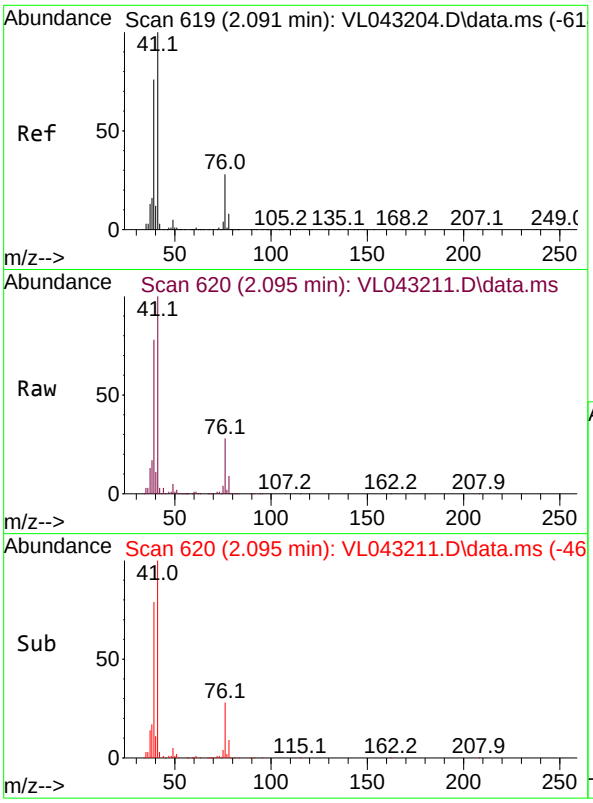


#20
Methylene Chloride
Concen: 10.323 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 84 Resp: 41254

Ion	Ratio	Lower	Upper
84	100		
49	155.1	132.9	199.3
51	43.9	34.8	52.2
86	60.8	48.2	72.2

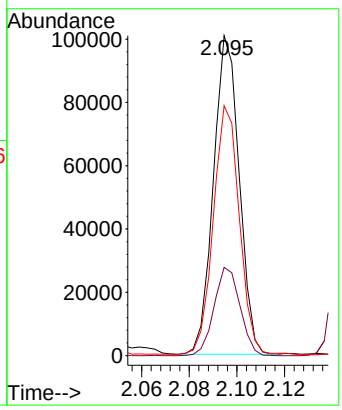




#21
Allyl Chloride
Concen: 8.256 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 41 Resp: 7551

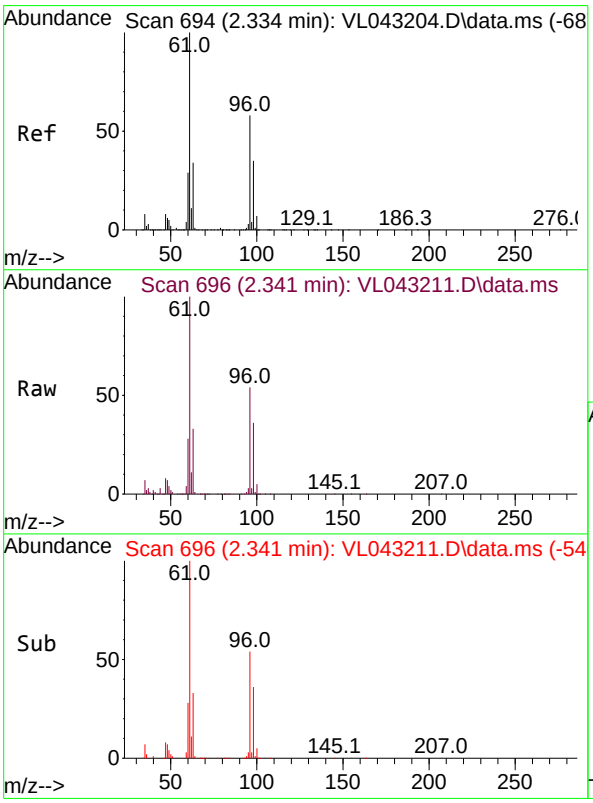
Ion	Ratio	Lower	Upper
41	100		
76	27.9	22.1	33.1
39	79.3	61.0	91.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

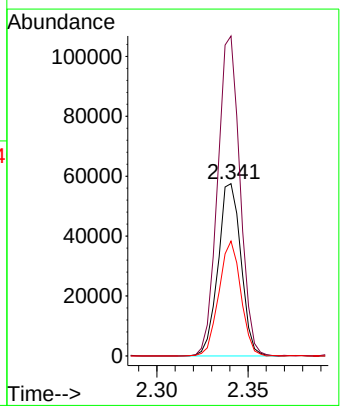
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

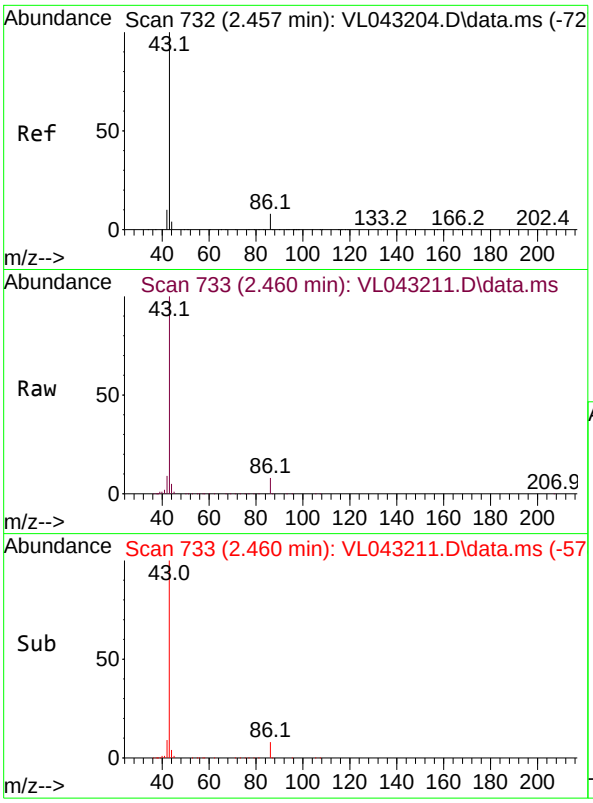


#22
trans-1,2-Dichloroethene
Concen: 9.041 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 96 Resp: 50228

Ion	Ratio	Lower	Upper
96	100		
61	185.7	139.0	208.6
98	66.6	49.4	74.2

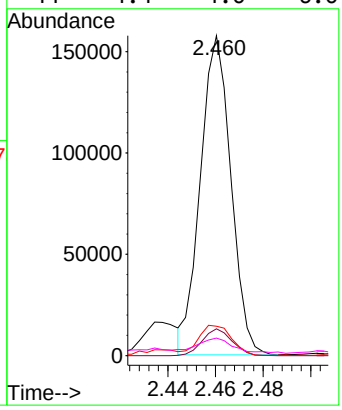




#23
Vinyl Acetate
Concen: 8.539 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 14015

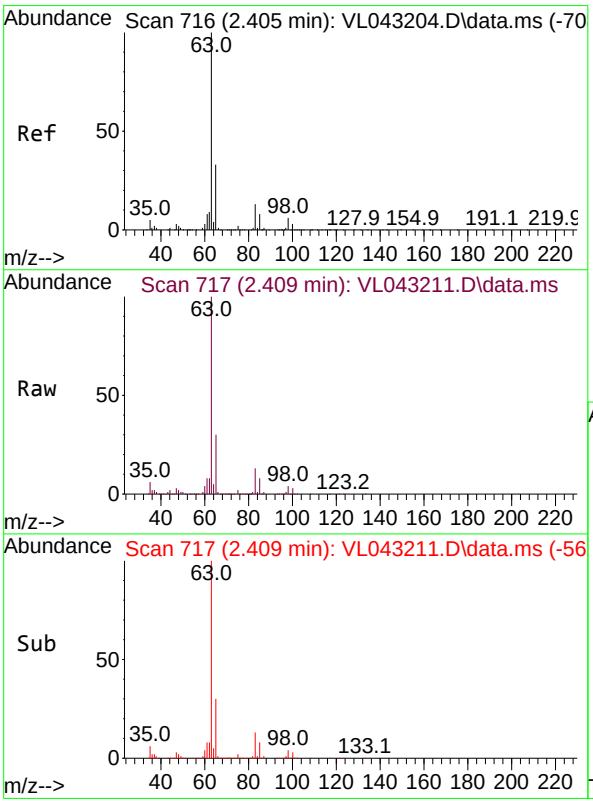
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.2
42	9.1	8.0	12.0
44	4.4	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

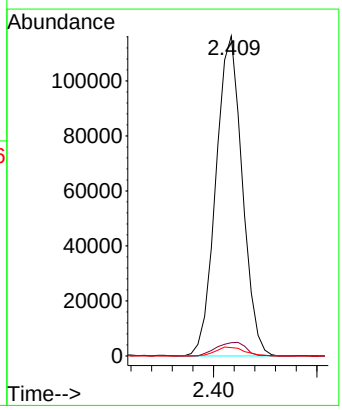
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

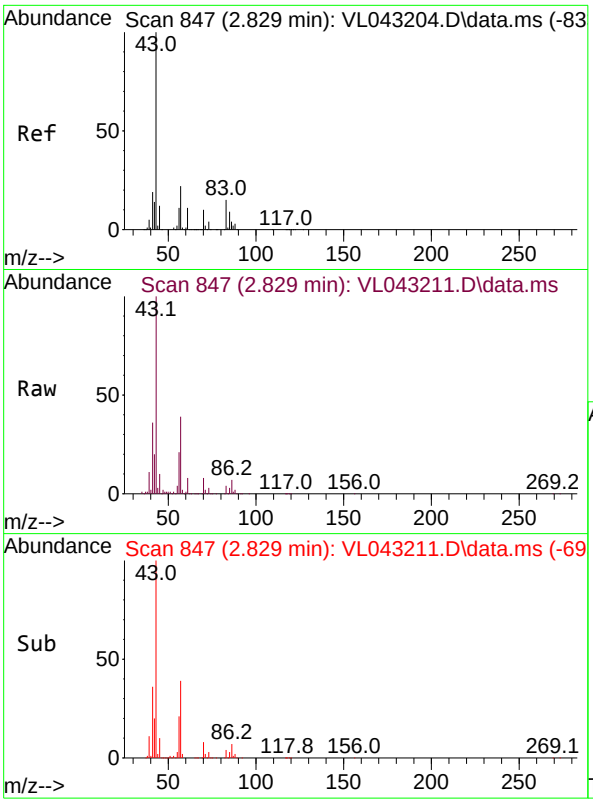


#24
1,1-Dichloroethane
Concen: 9.622 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 63 Resp: 103187

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.8	8.4
100	2.6	1.3	3.9

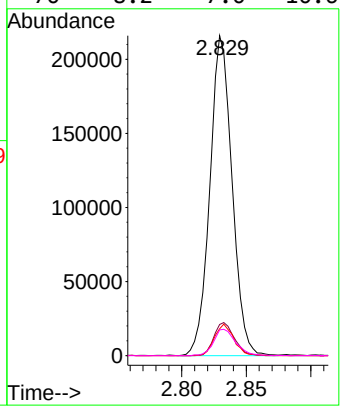




#25
Ethyl Acetate
Concen: 8.820 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 25860

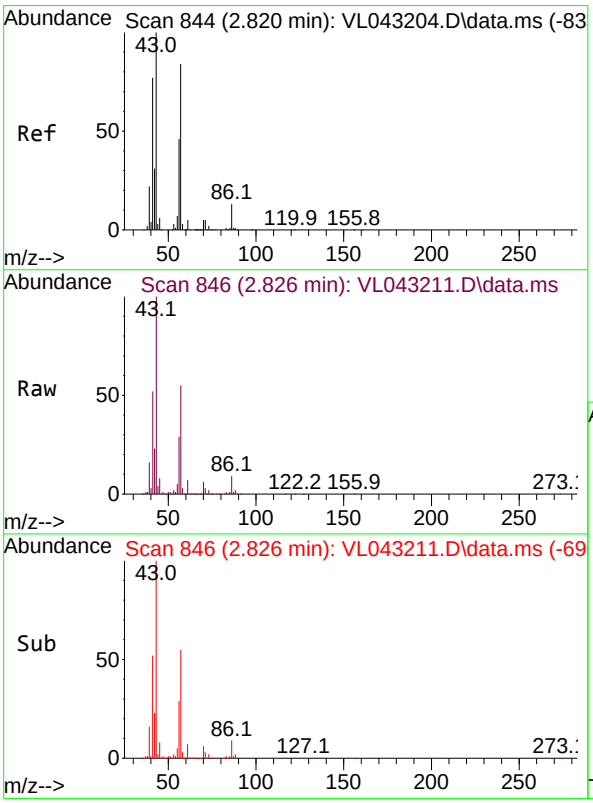
Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.1	12.1
61	8.5	7.0	10.4
70	8.2	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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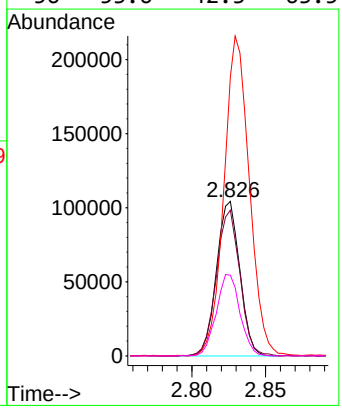
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

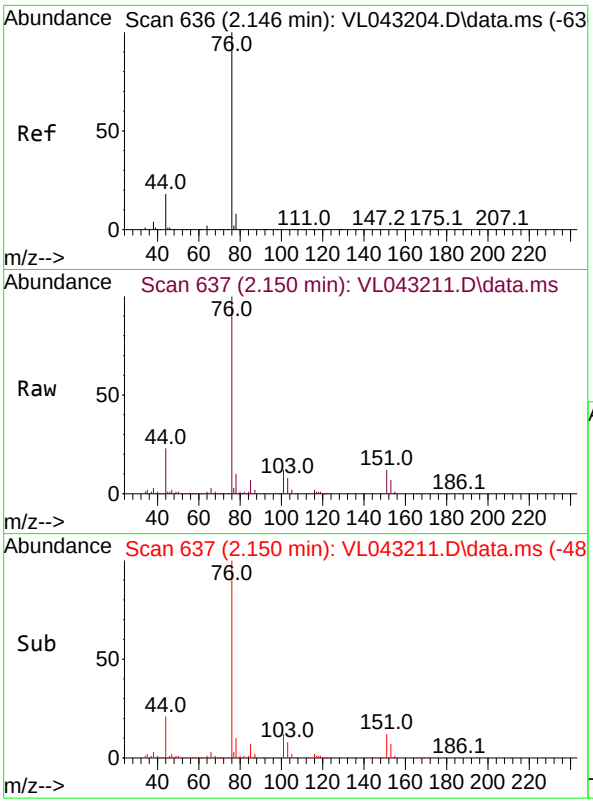


#26
Hexane
Concen: 8.892 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 57 Resp: 114312

Ion	Ratio	Lower	Upper
57	100		
41	96.0	74.6	111.8
43	226.4	179.0	268.4
56	53.6	42.3	63.5

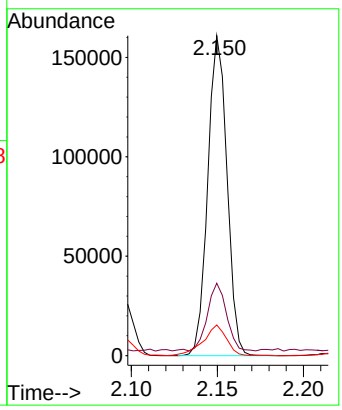




#27
Carbon Disulfide
Concen: 9.528 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 76 Resp: 12504

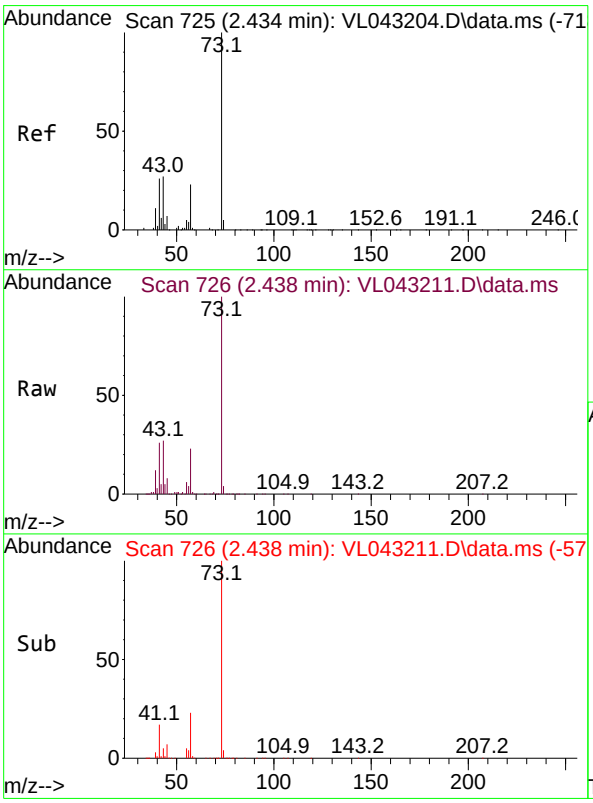
Ion	Ratio	Lower	Upper
76	100		
44	21.9	16.1	24.1
78	11.6	9.6	14.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

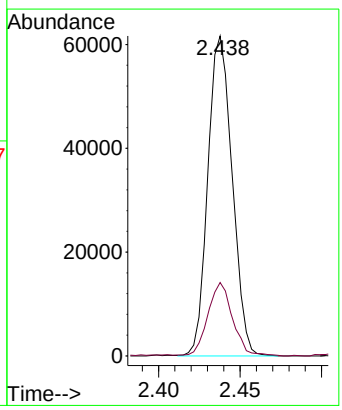
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

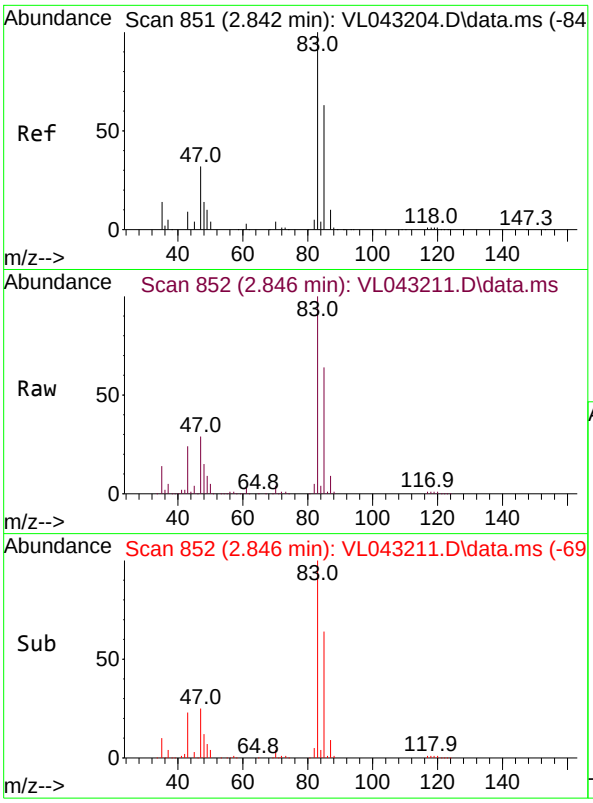


#28
Methyl tert-Butyl Ether
Concen: 10.171 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 73 Resp: 64183

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.8	29.8

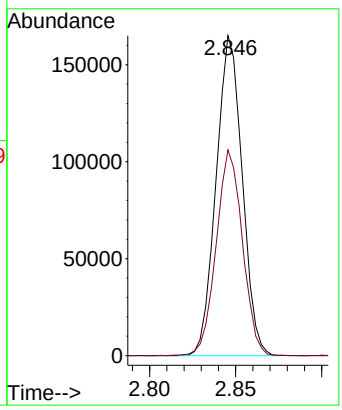




#29
Chloroform
Concen: 9.521 ppbv
RT: 2.846 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 83 Resp: 17397

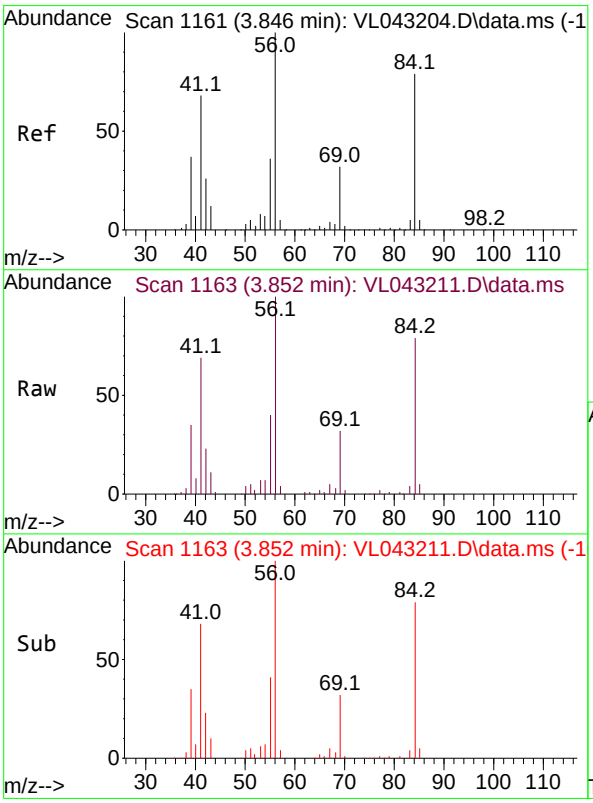
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.5	75.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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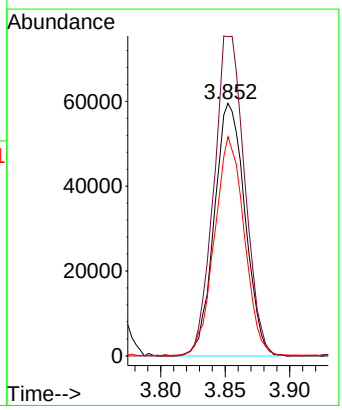
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

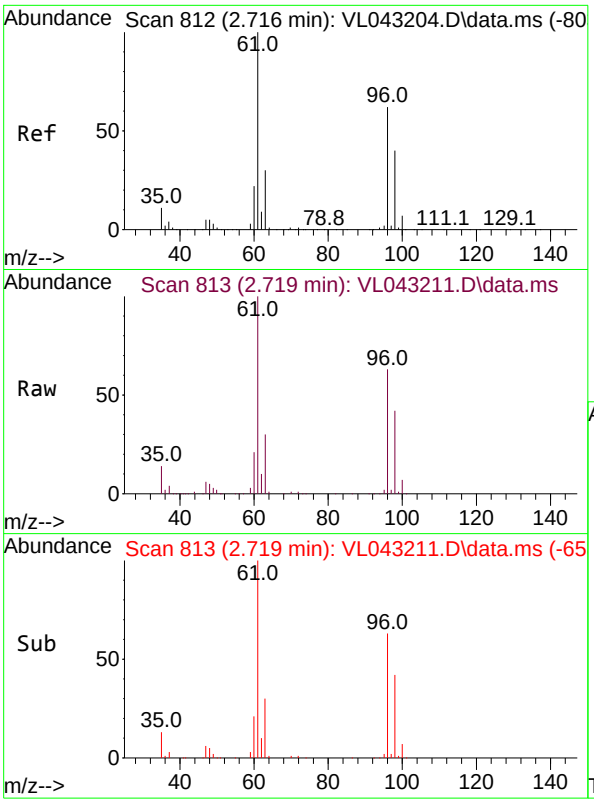


#30
Cyclohexane
Concen: 9.148 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 84 Resp: 98598

Ion	Ratio	Lower	Upper
84	100		
56	127.4	104.7	157.1
41	84.5	69.0	103.6

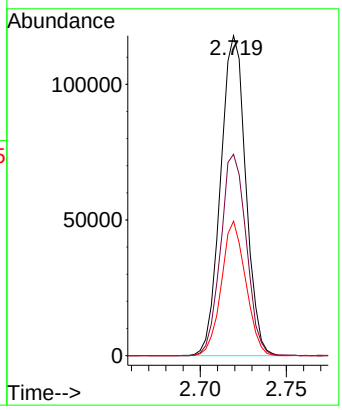




#31
cis-1,2-Dichloroethene
Concen: 9.379 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 61 Resp: 11984

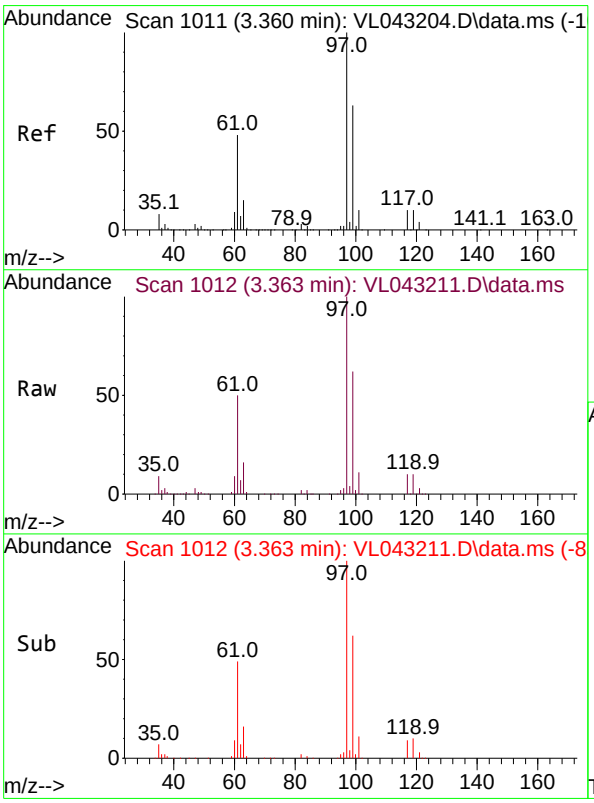
Ion	Ratio	Lower	Upper
61	100		
96	62.9	49.3	73.9
98	42.0	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

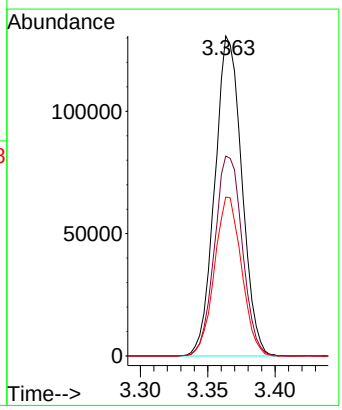
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

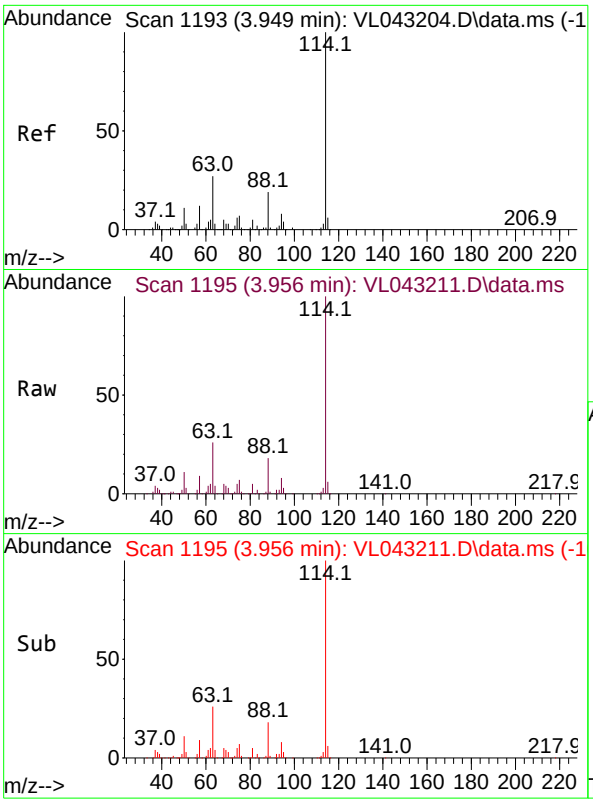


#32
1,1,1-Trichloroethane
Concen: 9.358 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 97 Resp: 182262

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.3	75.5
61	49.9	38.9	58.3

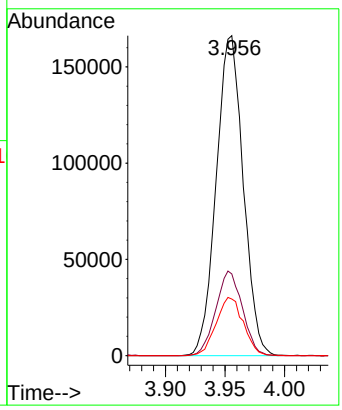




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:114 Resp: 261914

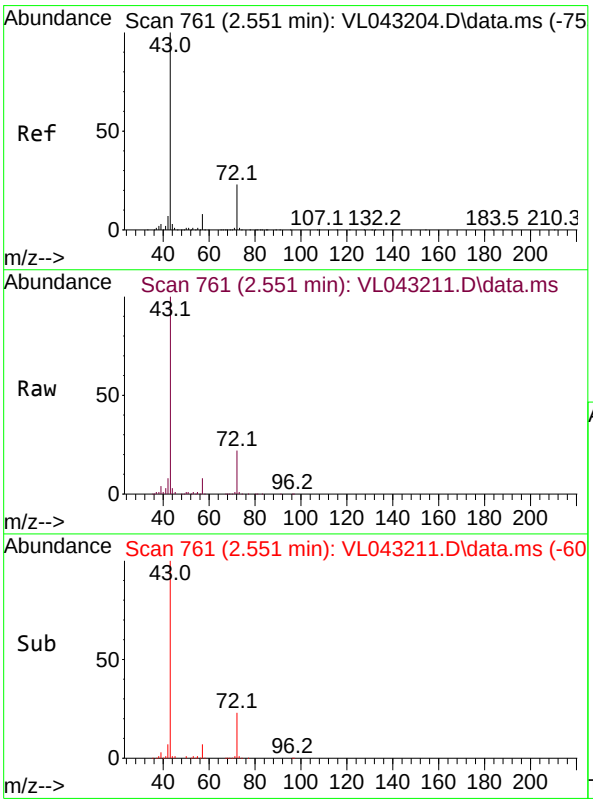
Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.0	31.6
88	18.3	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

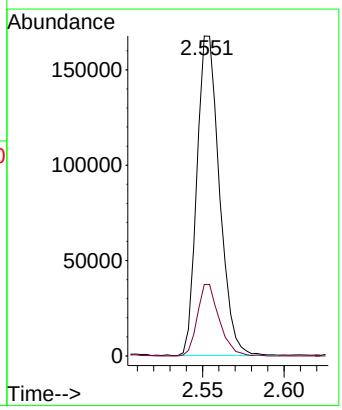
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

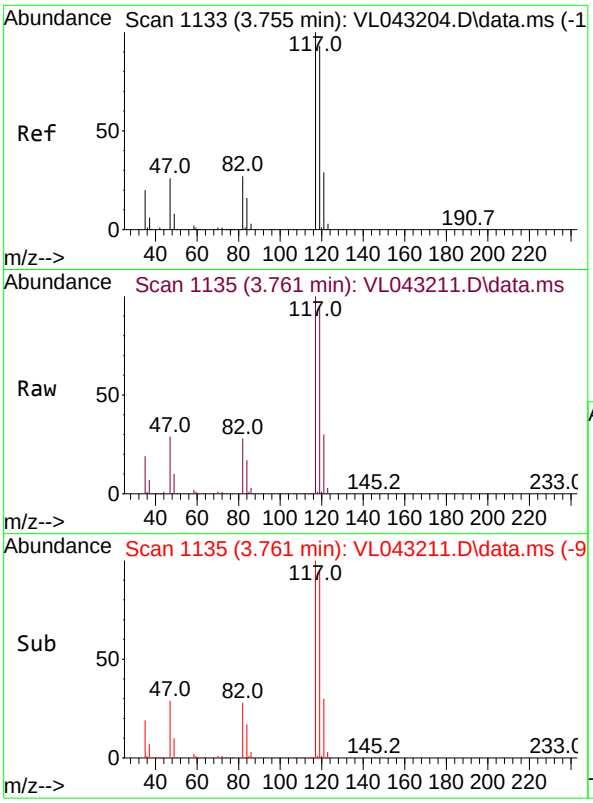


#34
2-Butanone
Concen: 8.707 ppbv
RT: 2.551 min Scan# 761
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 160977

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.1	27.1

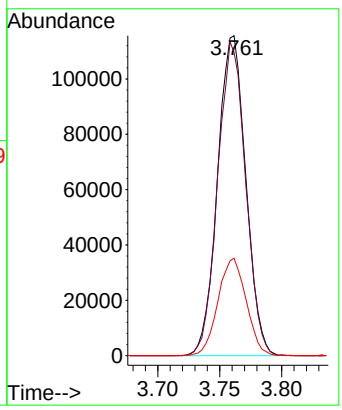




#35
Carbon Tetrachloride
Concen: 9.200 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:117 Resp: 18290

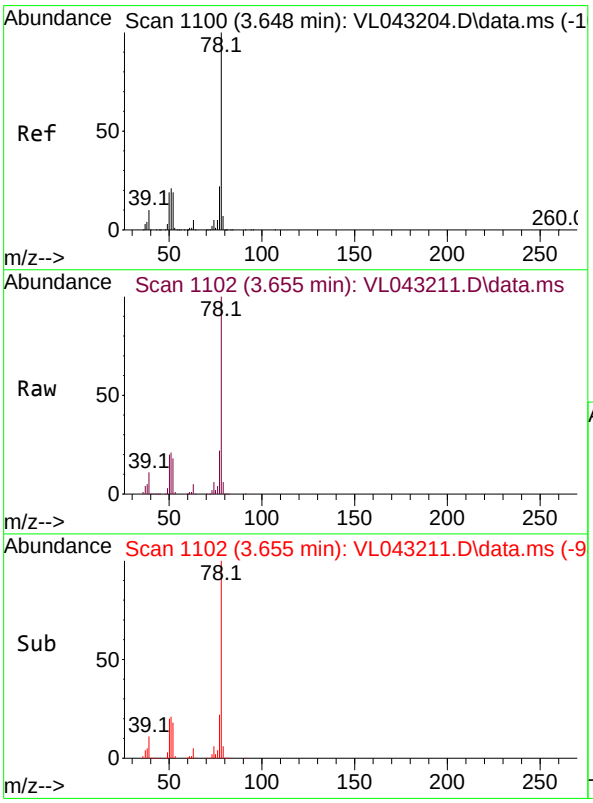
Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	112.0
121	30.4	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

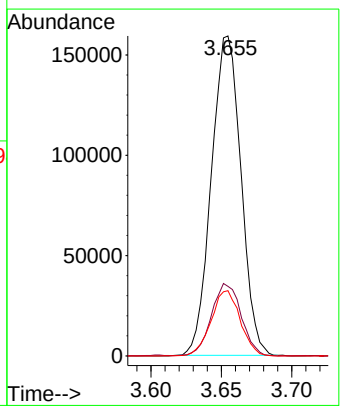
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

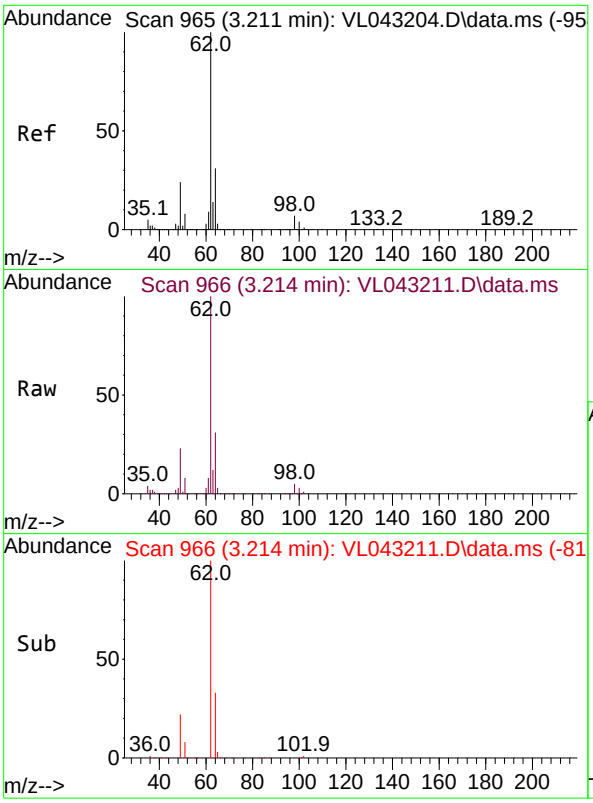


#36
Benzene
Concen: 9.293 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 78 Resp: 233094

Ion	Ratio	Lower	Upper
78	100		
77	21.8	17.5	26.3
50	20.4	15.5	23.3

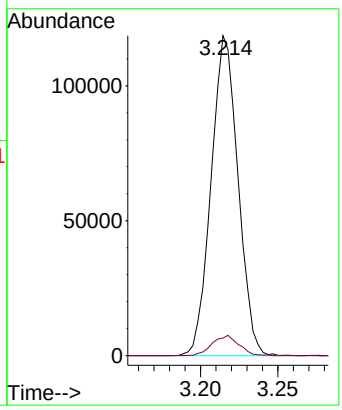




#37
1,2-Dichloroethane
Concen: 9.772 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 62 Resp: 14336

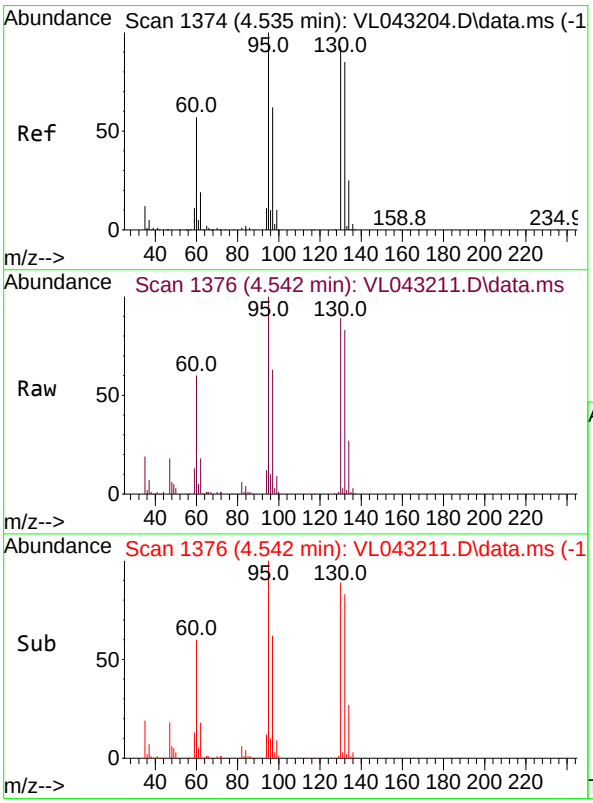
Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.5	8.3



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

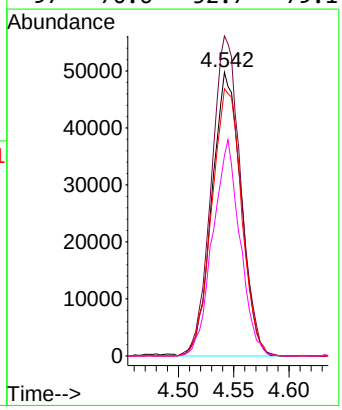
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

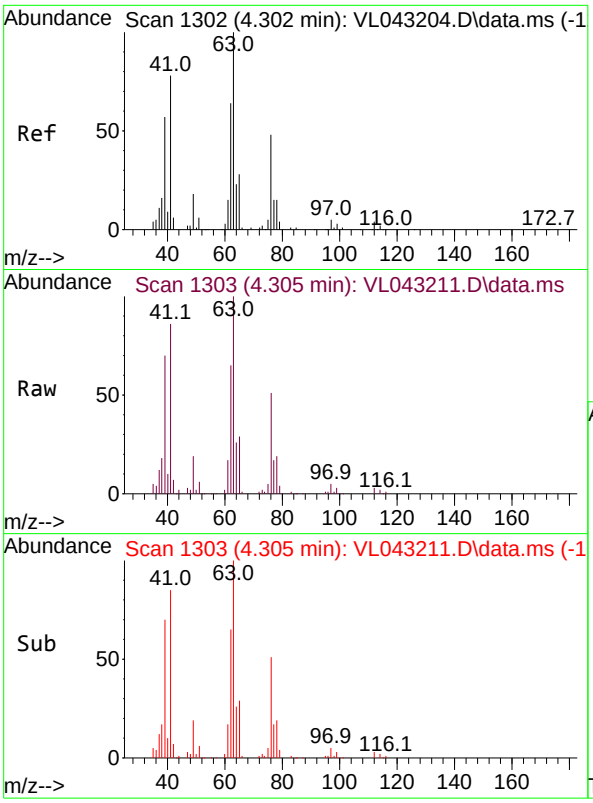


#38
Trichloroethene
Concen: 9.272 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:130 Resp: 90993

Ion	Ratio	Lower	Upper
130	100		
95	112.7	85.7	128.5
132	94.1	73.4	110.0
97	70.6	52.7	79.1

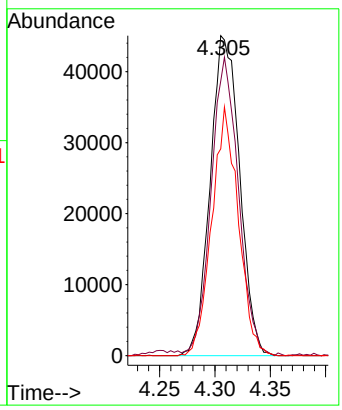




#39
1,2-Dichloropropane
Concen: 9.086 ppbv
RT: 4.305 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 63 Resp: 8341

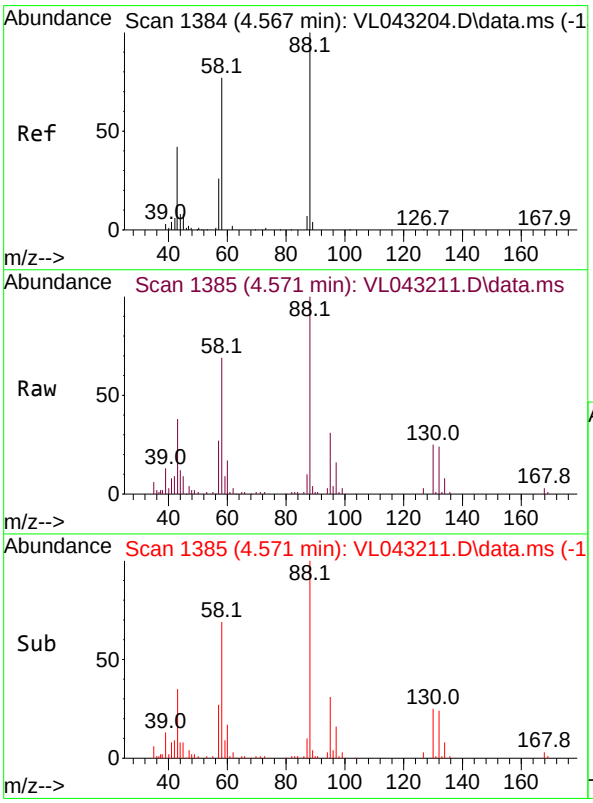
Ion	Ratio	Lower	Upper
63	100		
41	85.0	62.6	93.8
62	64.6	51.0	76.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

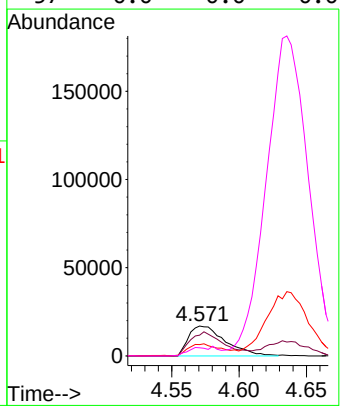
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

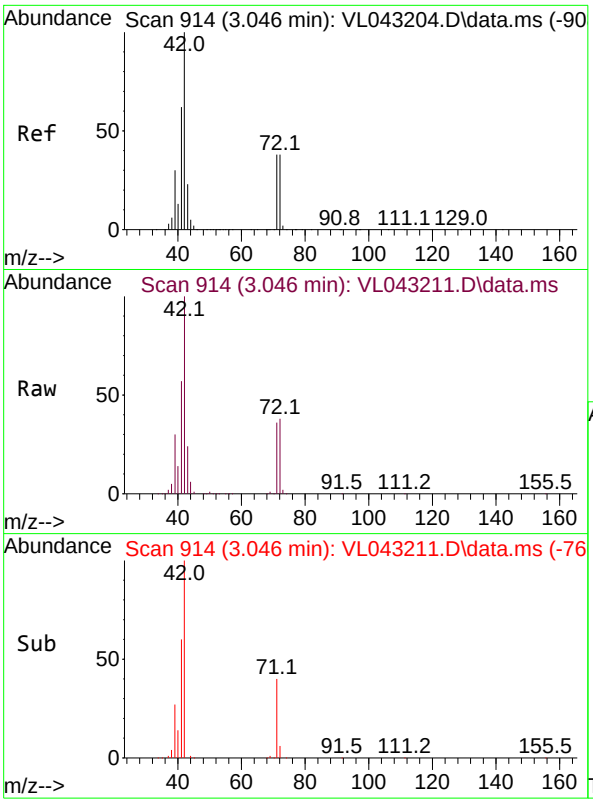


#40
1,4-Dioxane
Concen: 7.780 ppbv
RT: 4.571 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 88 Resp: 32109

Ion	Ratio	Lower	Upper
88	100		
58	74.8	63.0	94.6
43	37.4	32.5	48.7
57	0.0	0.0	0.0

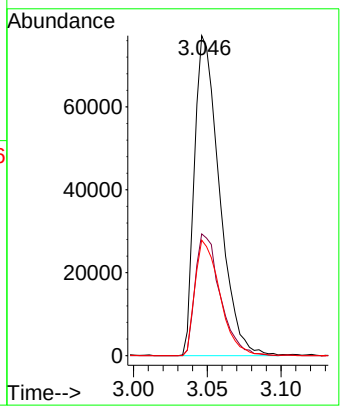




#41
Tetrahydrofuran
Concen: 8.891 ppbv
RT: 3.046 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 42 Resp: 90769

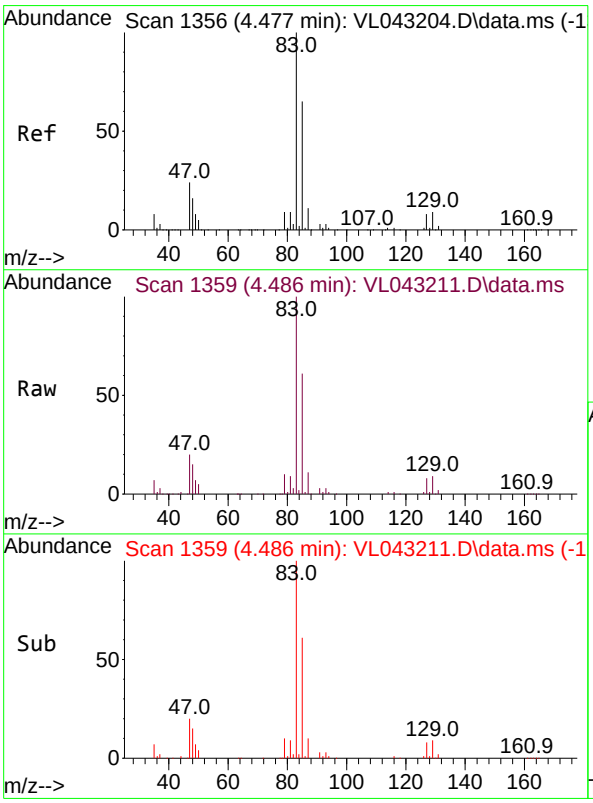
Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.6	46.0
71	36.1	30.5	45.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

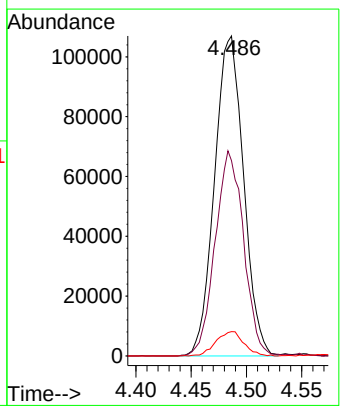
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

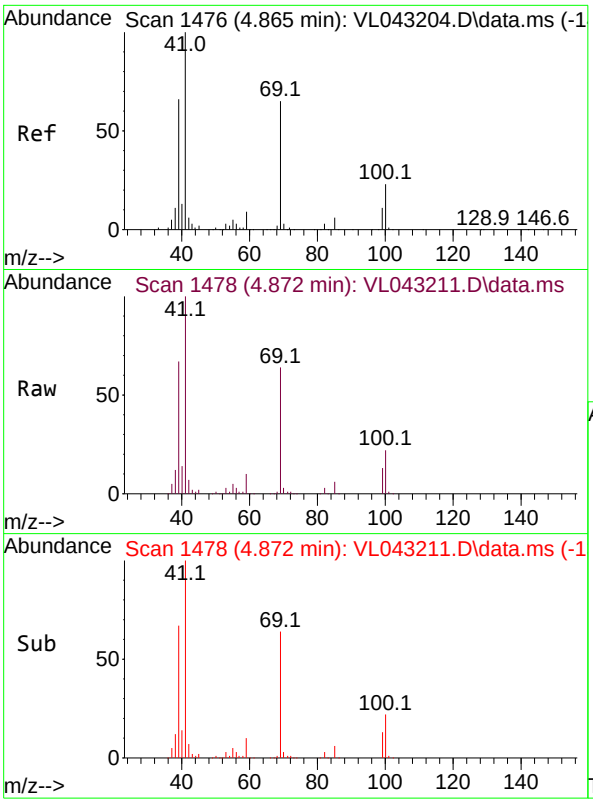


#42
Bromodichloromethane
Concen: 9.657 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 83 Resp: 195442

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.7	77.5
127	7.6	6.3	9.5

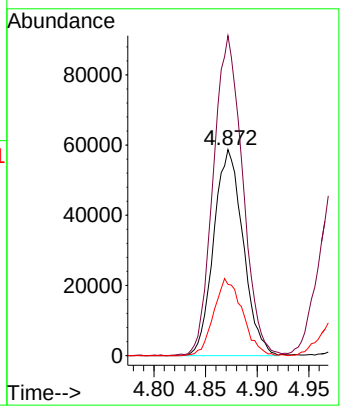




#43
Methyl Methacrylate
Concen: 8.737 ppbv
RT: 4.872 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 69 Resp: 11632

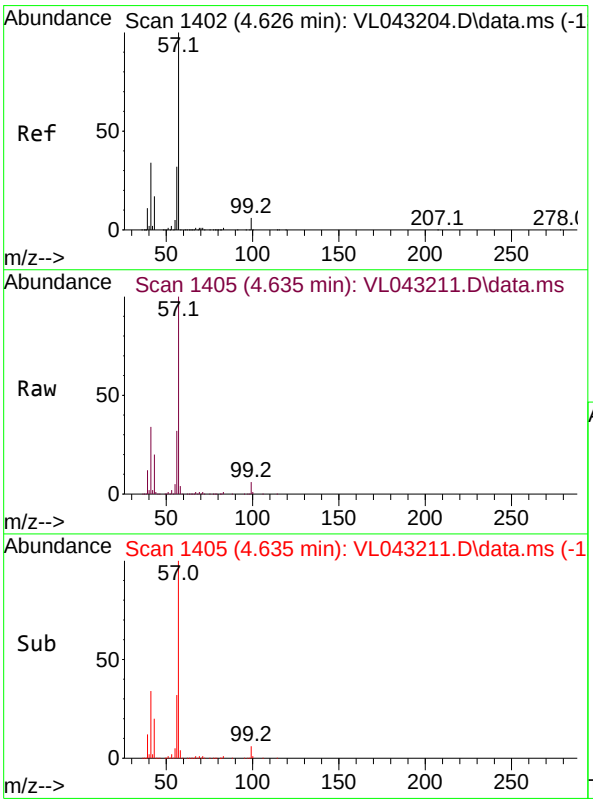
Ion	Ratio	Lower	Upper
69	100		
41	155.2	126.7	190.1
100	36.5	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

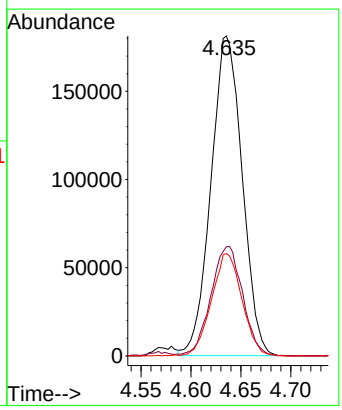
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

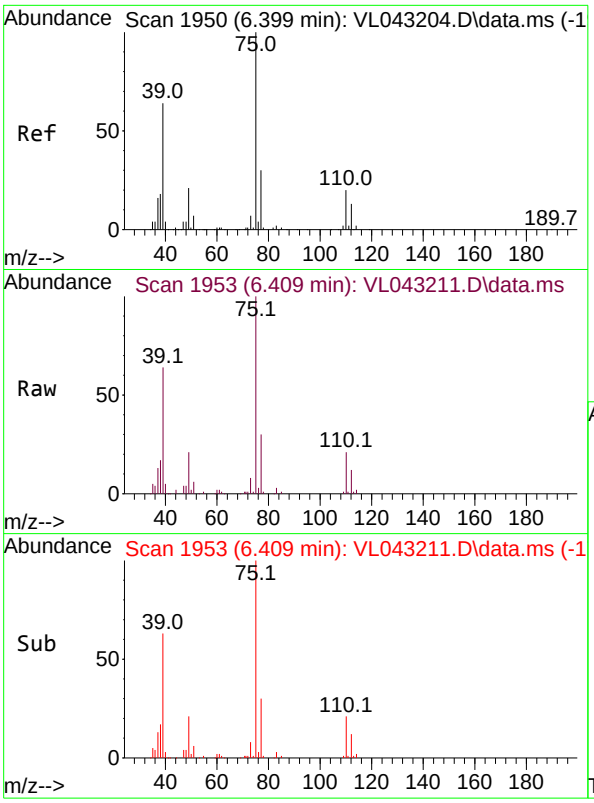


#44
2,2,4-Trimethylpentane
Concen: 9.133 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 57 Resp: 393438

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.0	42.0
56	31.5	25.6	38.4

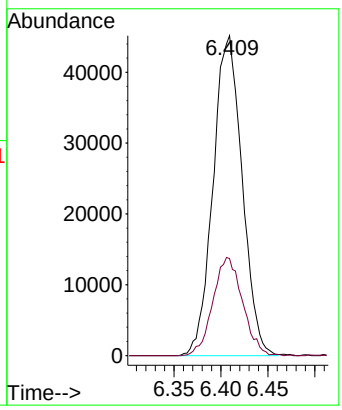




#45
t-1,3-Dichloropropene
Concen: 7.863 ppbv
RT: 6.409 min Scan# 19
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 75 Resp: 9758

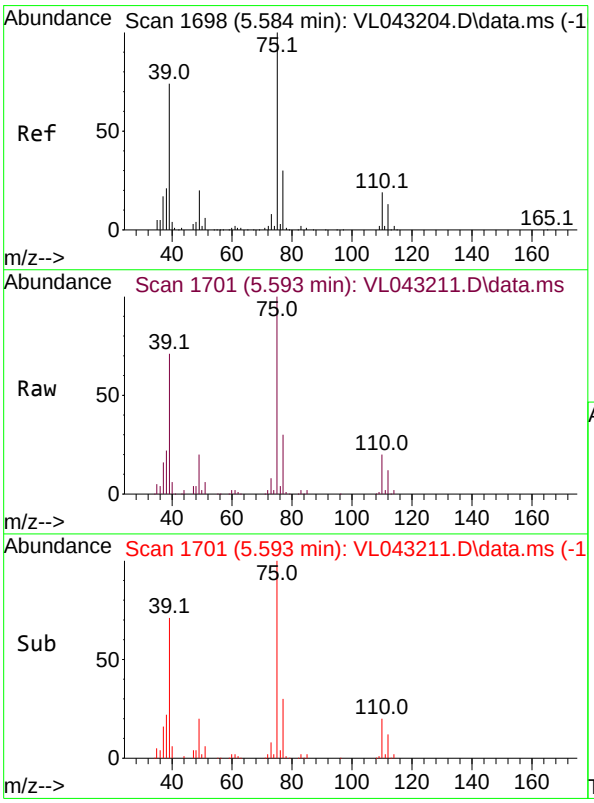
Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

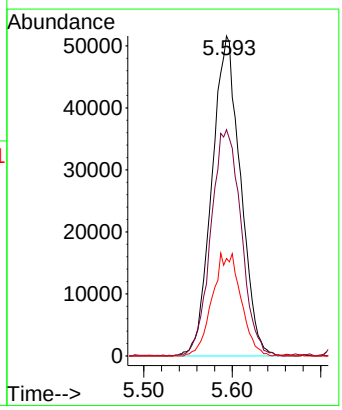
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

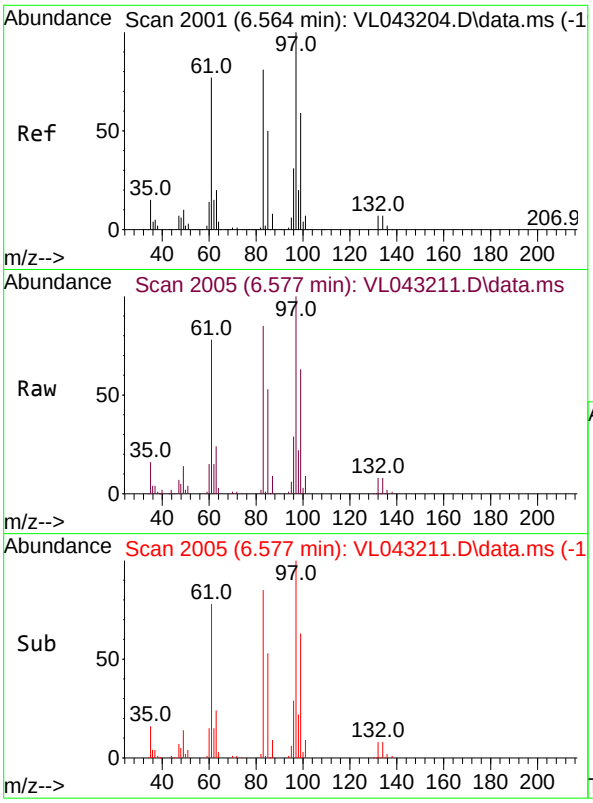


#46
cis-1,3-Dichloropropene
Concen: 7.924 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 75 Resp: 115476

Ion	Ratio	Lower	Upper
75	100		
39	70.4	59.1	88.7
77	30.4	24.2	36.2

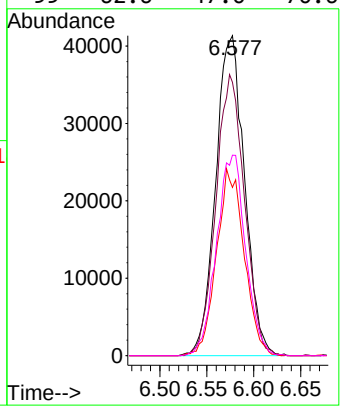




#47
1,1,2-Trichloroethane
Concen: 9.086 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 97 Resp: 8852

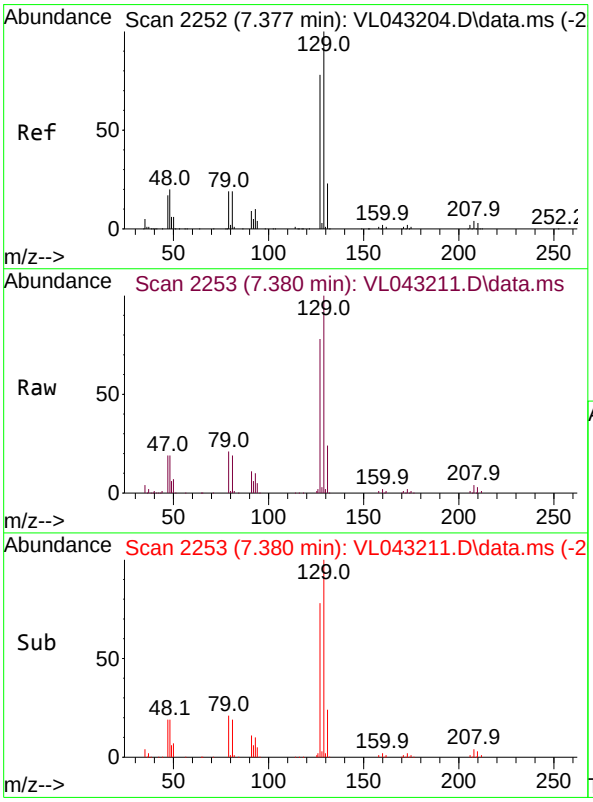
Ion	Ratio	Lower	Upper
97	100		
83	85.4	64.6	97.0
85	52.6	39.4	59.2
99	62.6	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

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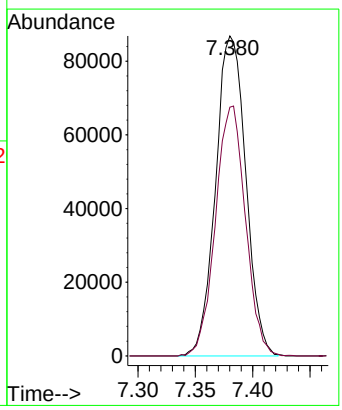
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

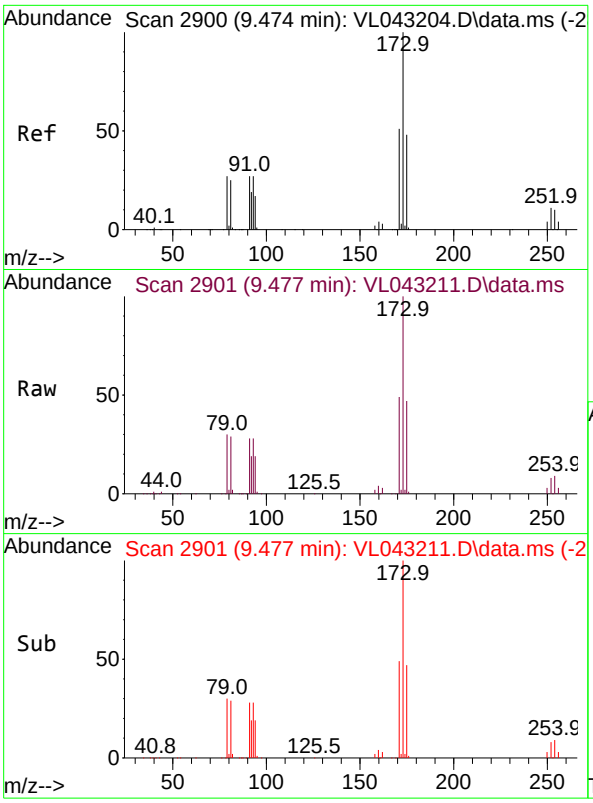


#48
Dibromochloromethane
Concen: 9.514 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:129 Resp: 159365

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.9

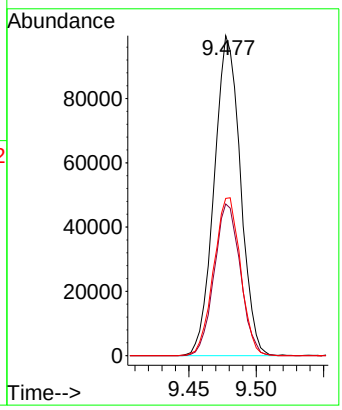




#49
Bromoform
Concen: 9.085 ppbv
RT: 9.477 min Scan# 29
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:173 Resp: 13479

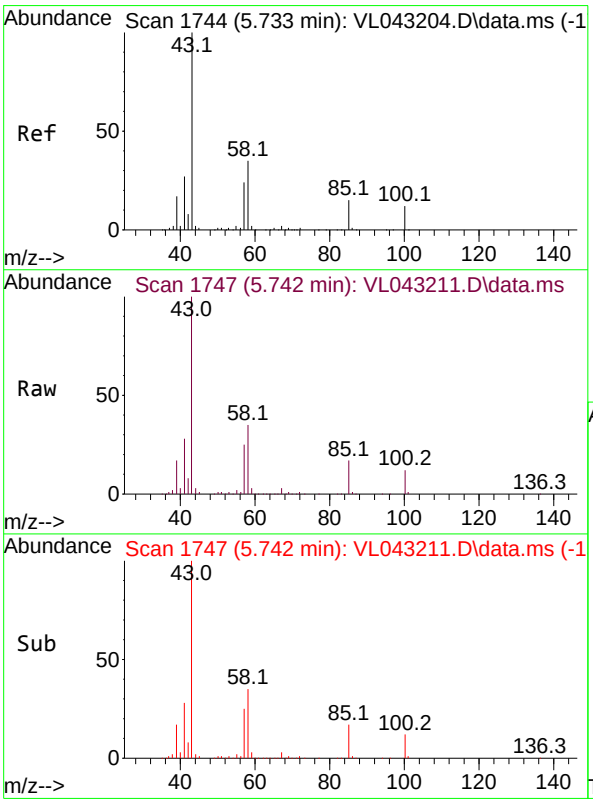
Ion	Ratio	Lower	Upper
173	100		
175	47.2	38.6	58.0
171	50.2	40.6	61.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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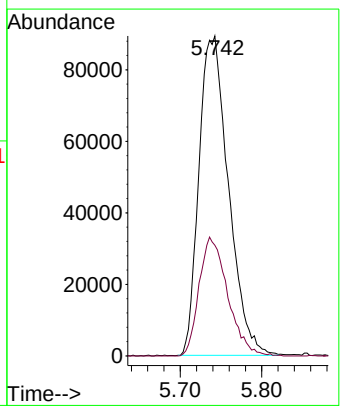
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

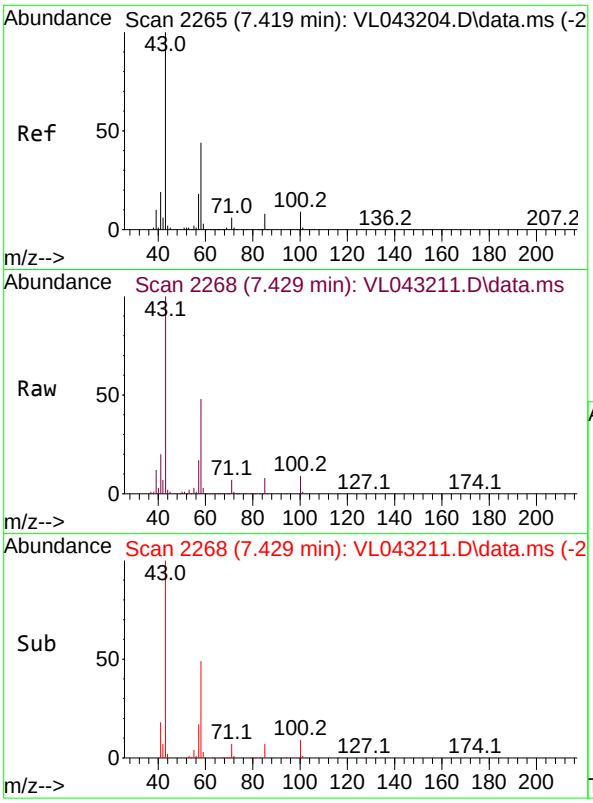


#50
4-Methyl-2-Pentanone
Concen: 8.631 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 224791

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.4	42.6





#51
2-Hexanone
Concen: 8.233 ppbv
RT: 7.429 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

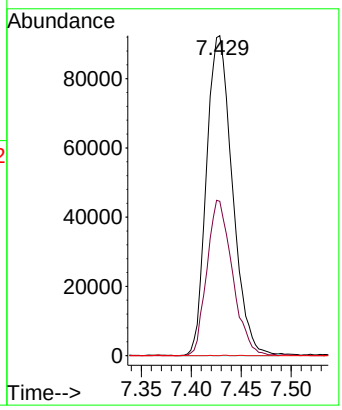
Tgt Ion: 43 Resp: 16650

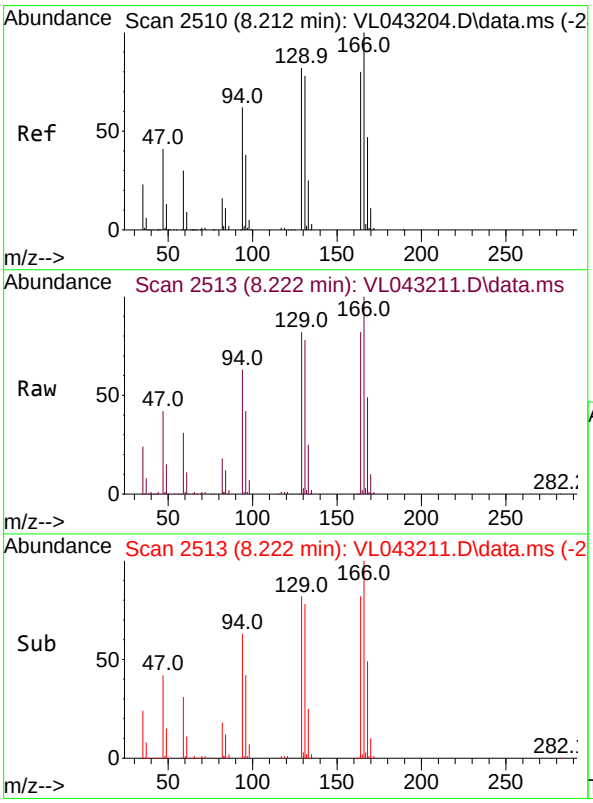
Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.4	57.6
98	0.0	0.0	0.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

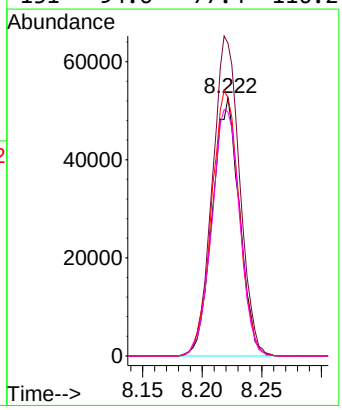


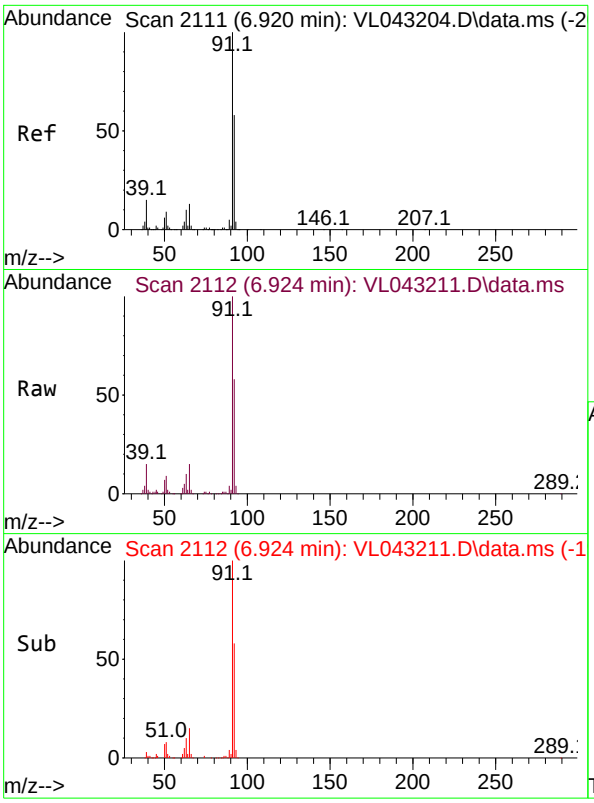


#52
Tetrachloroethene
Concen: 8.884 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:164 Resp: 82890

Ion	Ratio	Lower	Upper
164	100		
166	121.3	99.4	149.2
129	100.1	81.8	122.8
131	94.6	77.4	116.2





#53
Toluene
Concen: 9.197 ppbv
RT: 6.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

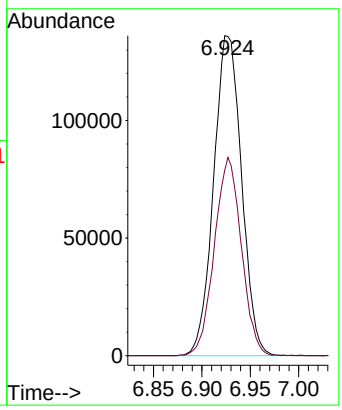
Tgt Ion: 91 Resp: 27317

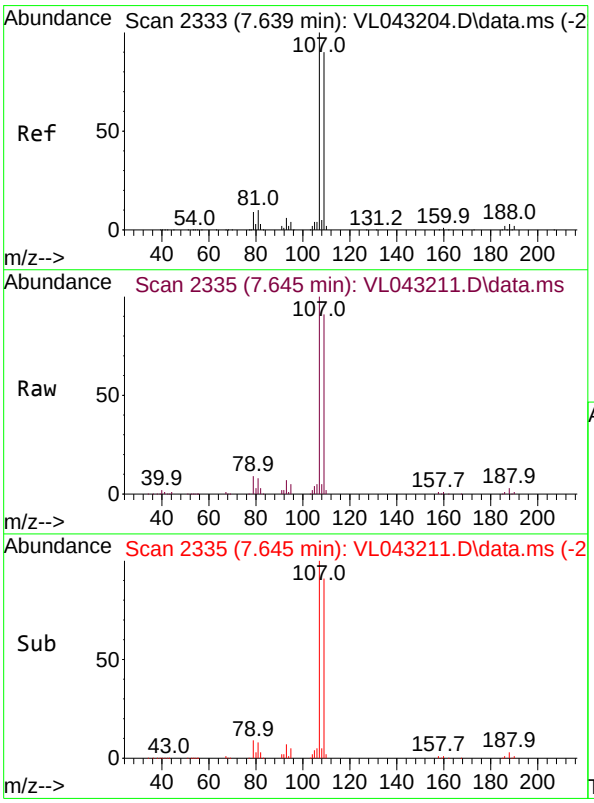
Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.4	71.0

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

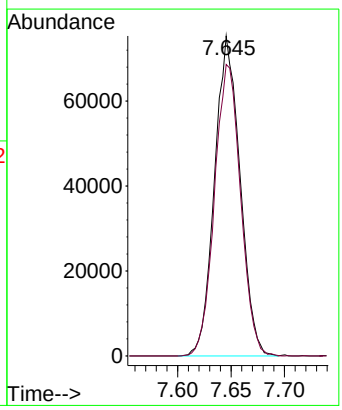


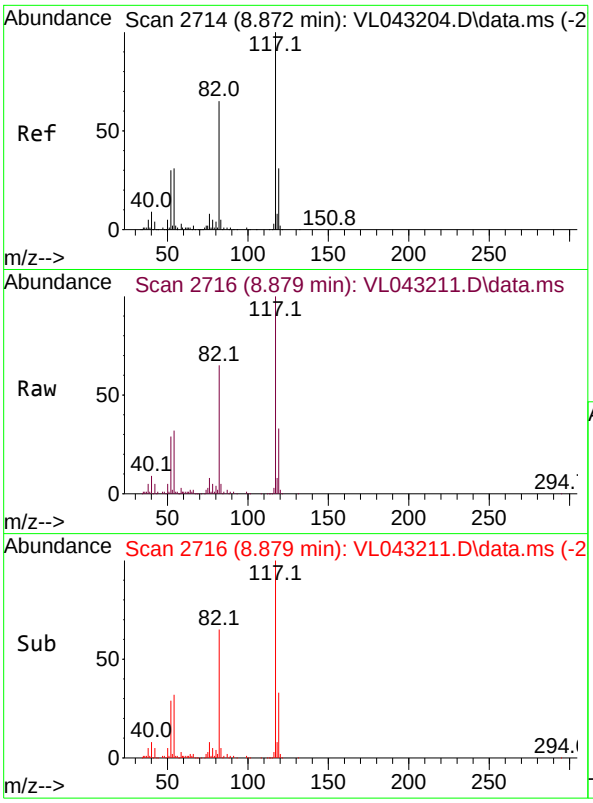


#54
1,2-Dibromoethane
Concen: 8.705 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:107 Resp: 124804

Ion	Ratio	Lower	Upper
107	100		
109	91.1	72.1	108.1

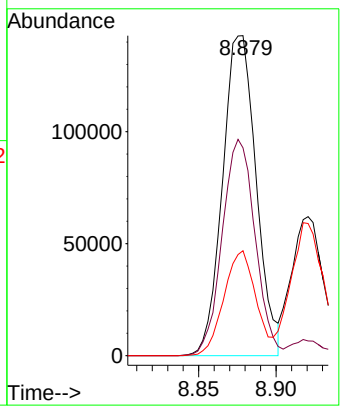




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:117 Resp: 21621

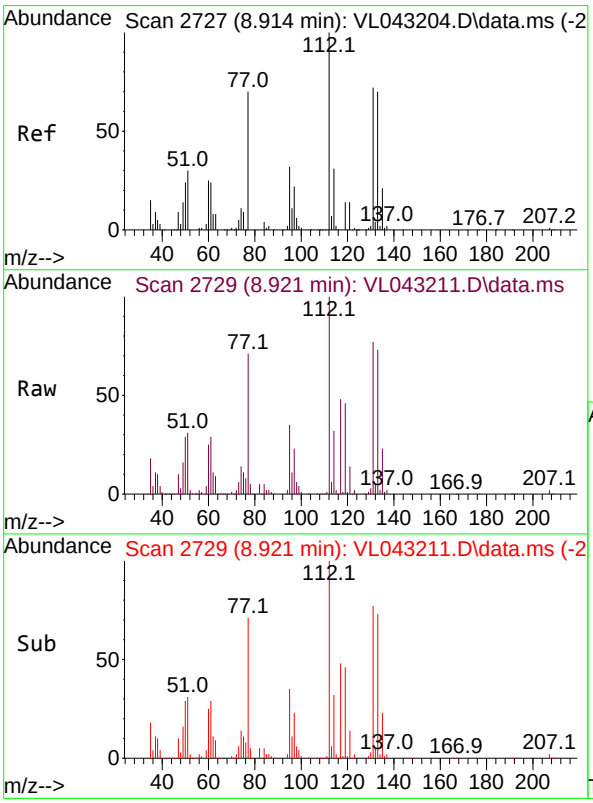
Ion	Ratio	Lower	Upper
117	100		
82	70.6	56.1	84.1
119	32.3	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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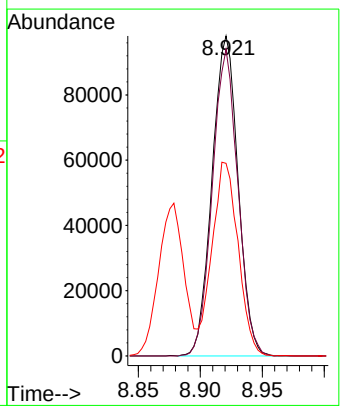
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

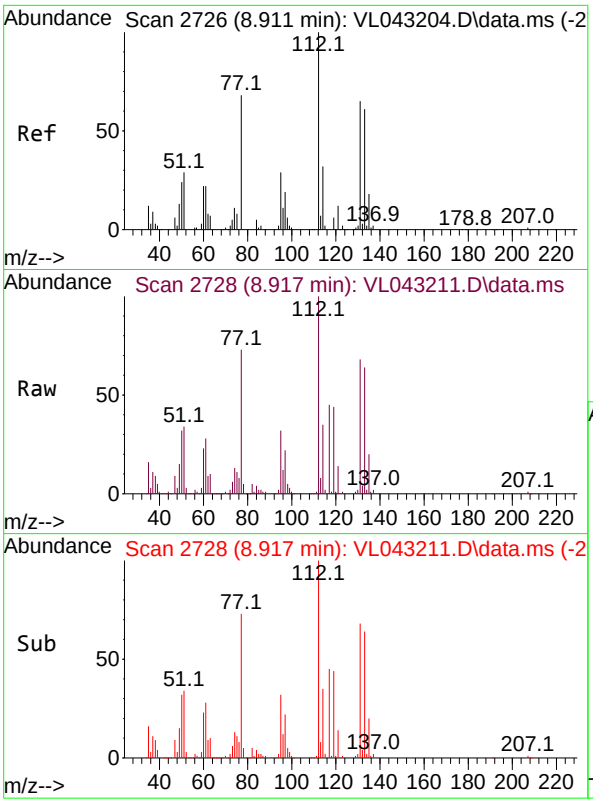


#56
1,1,1,2-Tetrachloroethane
Concen: 8.969 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:131 Resp: 142512

Ion	Ratio	Lower	Upper
131	100		
133	94.3	77.4	116.2
119	61.9	49.1	73.7

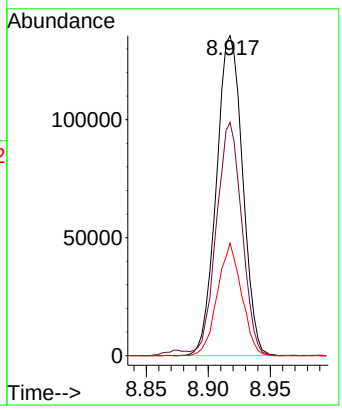




#57
Chlorobenzene
Concen: 8.981 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:112 Resp: 19937

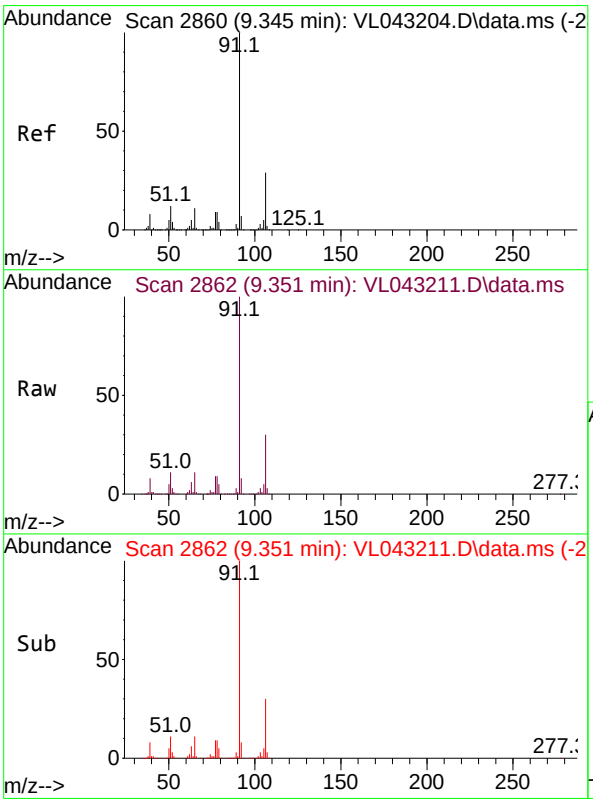
Ion	Ratio	Lower	Upper
112	100		
77	72.7	55.5	83.3
114	35.1	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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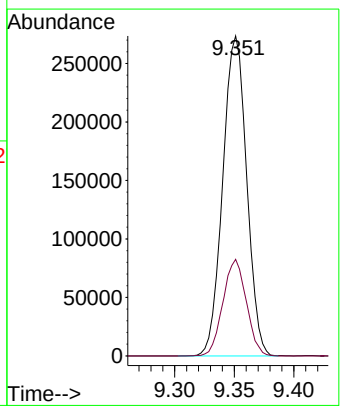
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

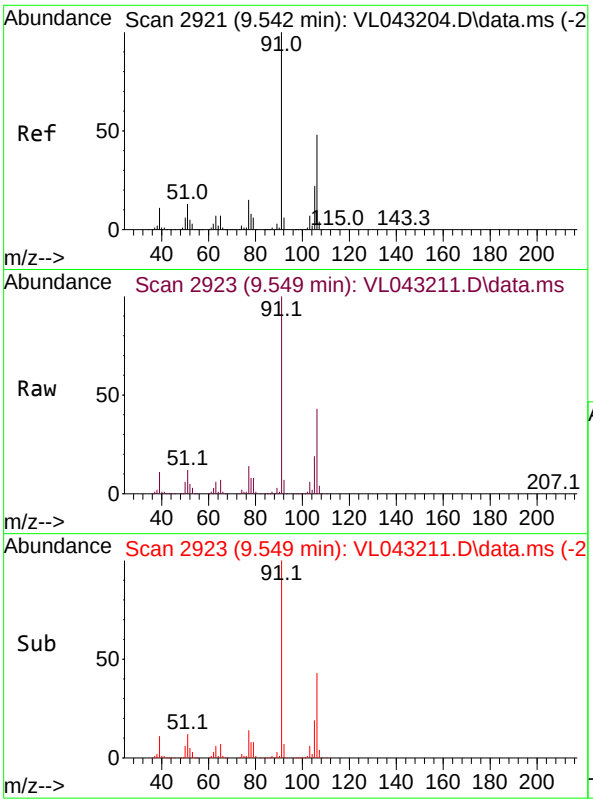


#58
Ethyl Benzene
Concen: 9.167 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 381474

Ion	Ratio	Lower	Upper
91	100		
106	30.2	22.8	34.2

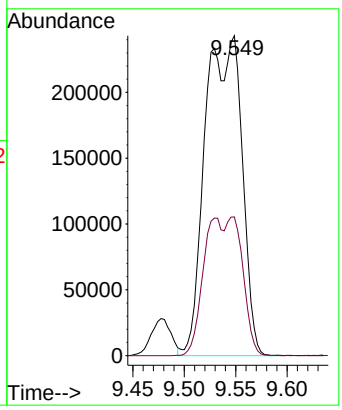




#59
m/p-Xylene
Concen: 18.108 ppbv m
RT: 9.549 min Scan# 29
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 60416

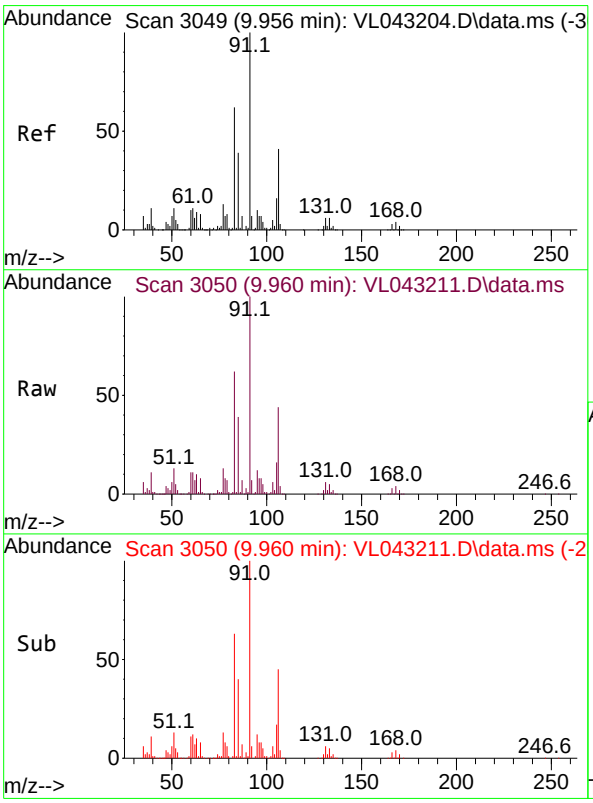
Ion	Ratio	Lower	Upper
91	100		
106	44.8	36.1	54.1



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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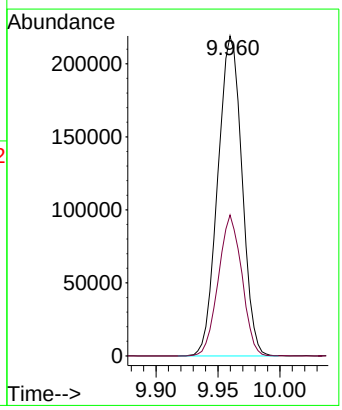
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

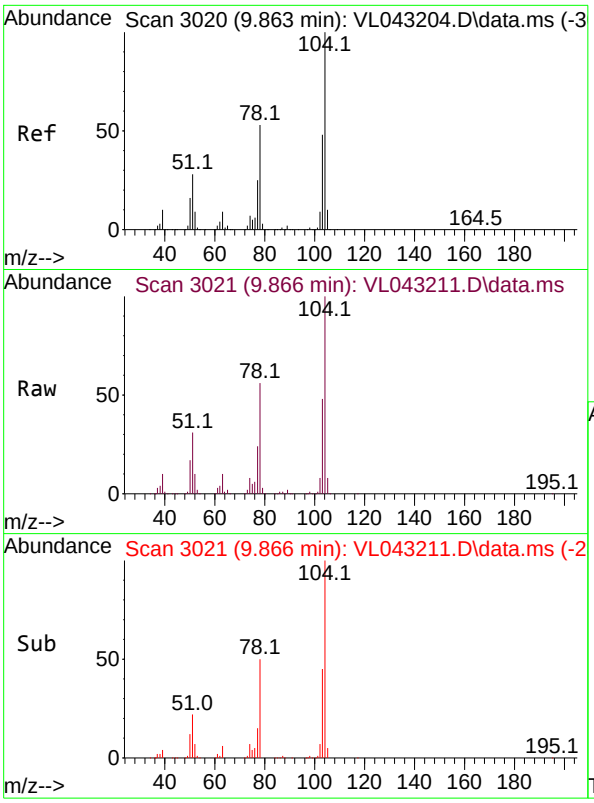


#60
o-Xylene
Concen: 8.876 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 295836

Ion	Ratio	Lower	Upper
91	100		
106	42.8	20.9	62.8

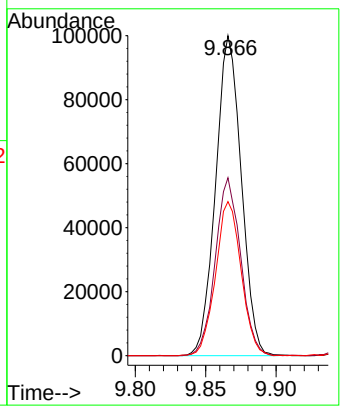




#61
Styrene
Concen: 8.714 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:104 Resp: 12711

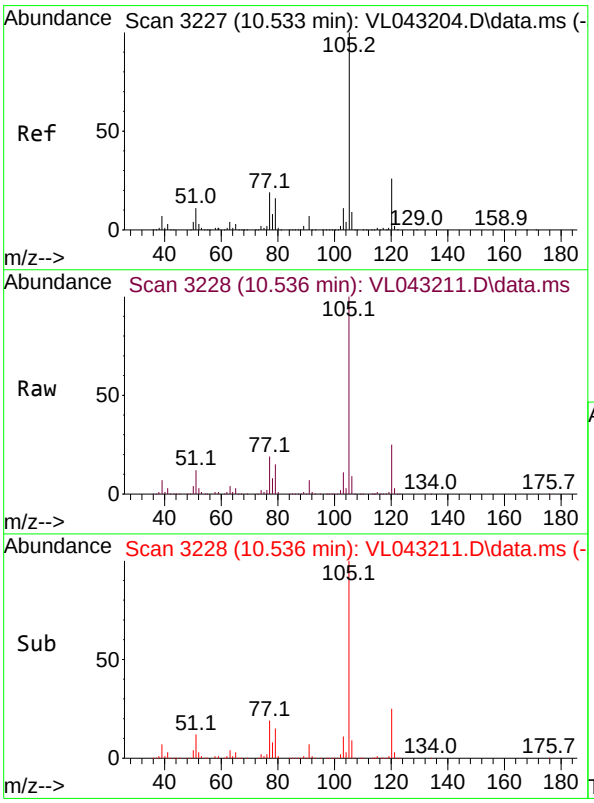
Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.1	63.1
103	48.0	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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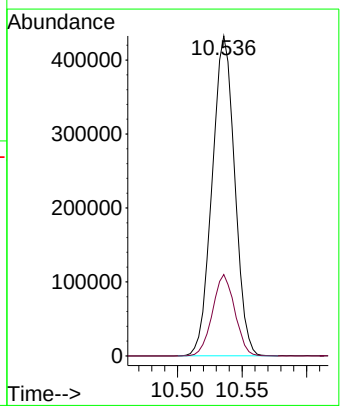
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

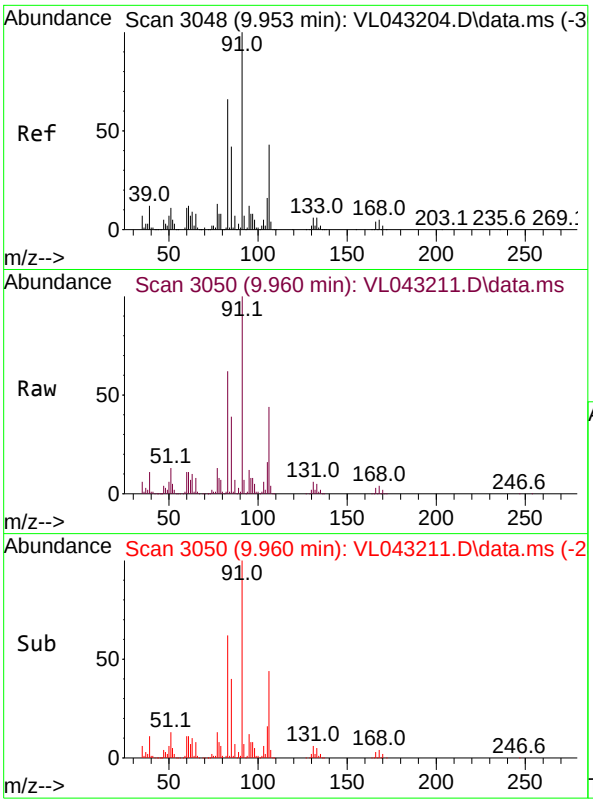


#62
Isopropylbenzene
Concen: 8.816 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 525717

Ion	Ratio	Lower	Upper
105	100		
120	25.1	19.8	29.8

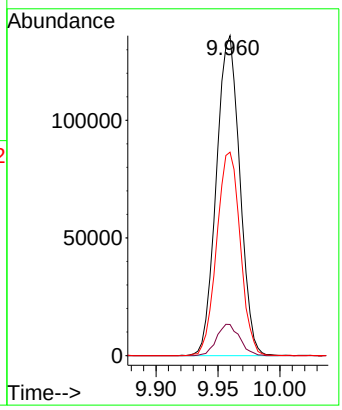




#63
1,1,2,2-Tetrachloroethane
Concen: 8.421 ppbv
RT: 9.960 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 83 Resp: 17859

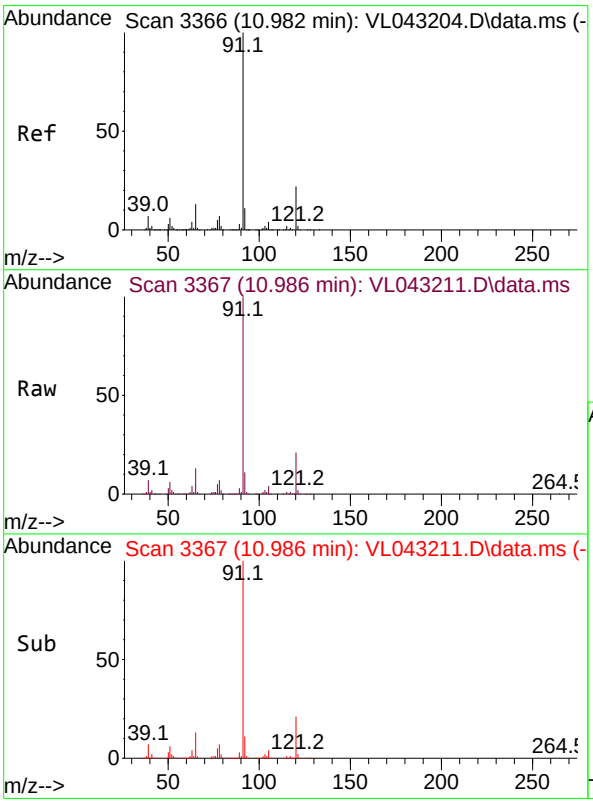
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.9	31.9	95.9



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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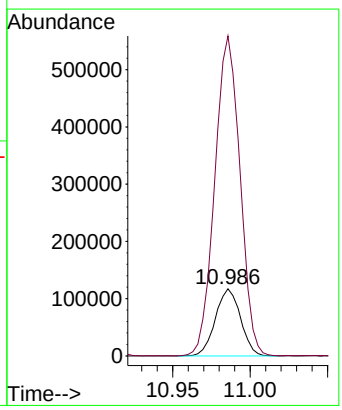
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

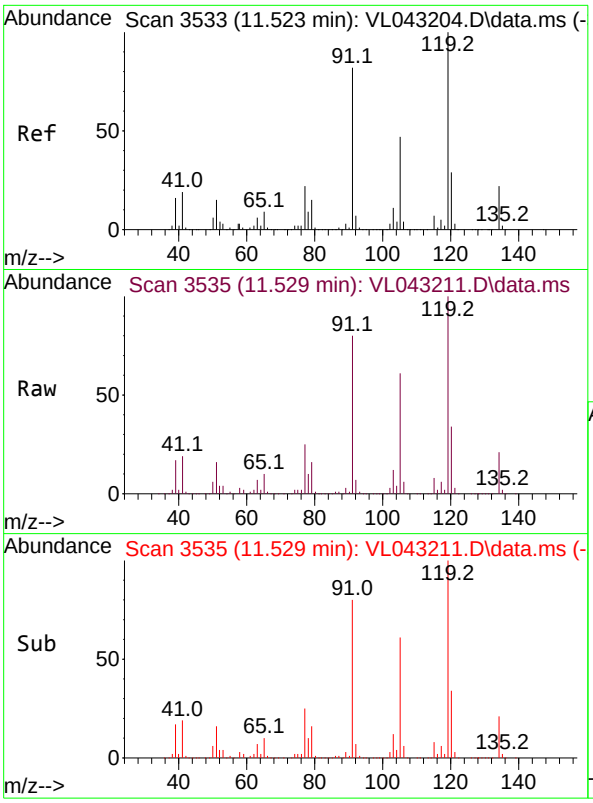


#64
n-propylbenzene
Concen: 8.591 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:120 Resp: 131634

Ion	Ratio	Lower	Upper
120	100		
91	482.2	377.1	565.7

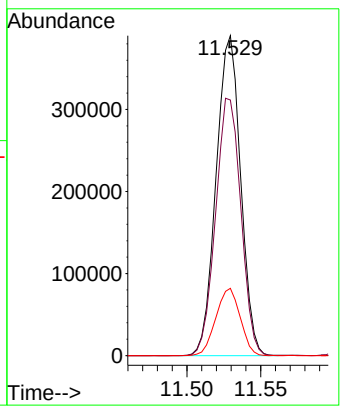




#65
tert-Butylbenzene
Concen: 8.465 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:119 Resp: 450819

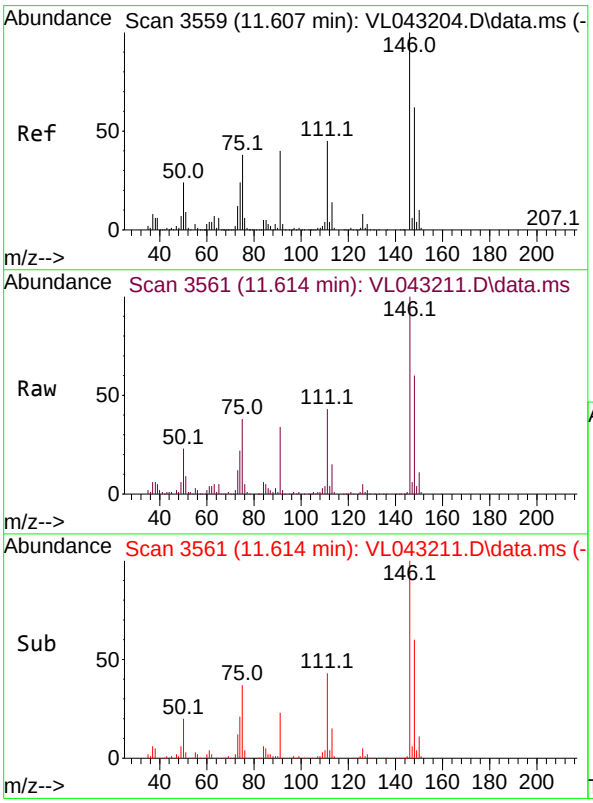
Ion	Ratio	Lower	Upper
119	100		
91	83.0	65.3	97.9
134	20.8	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

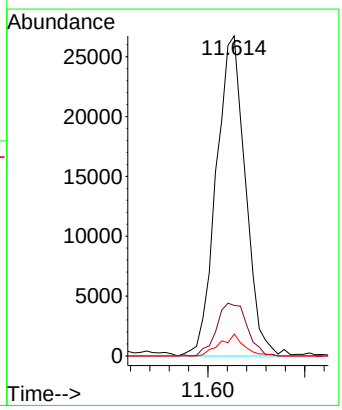
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

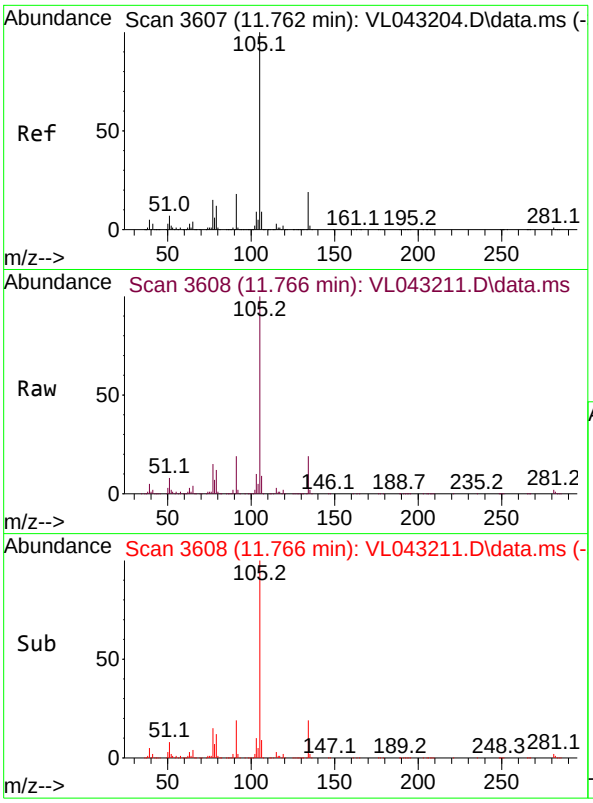


#66
Benzyl Chloride
Concen: 5.159 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 27878

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.4	21.6
128	5.6	4.6	6.8

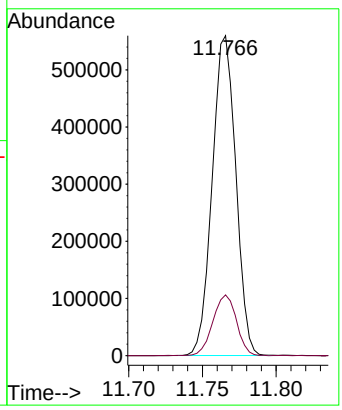




#67
sec-Butylbenzene
Concen: 8.388 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 62352

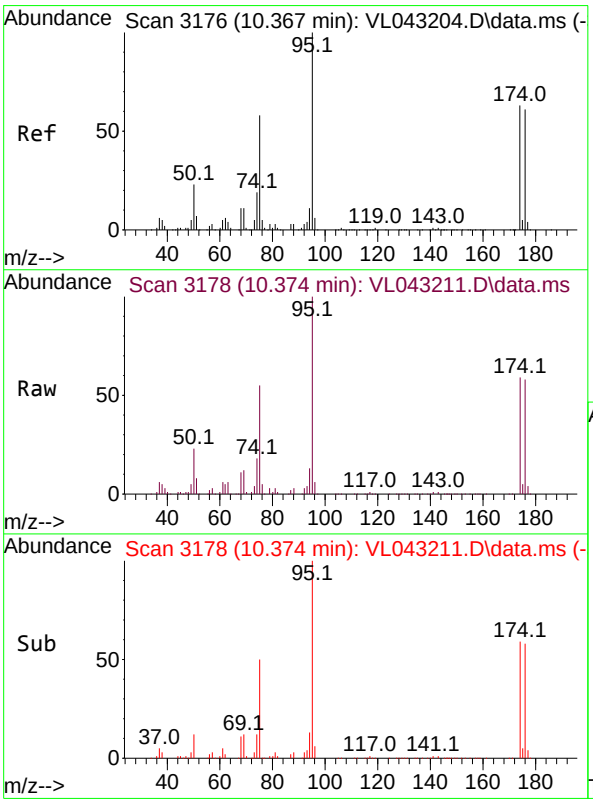
Ion	Ratio	Lower	Upper
105	100		
134	19.0	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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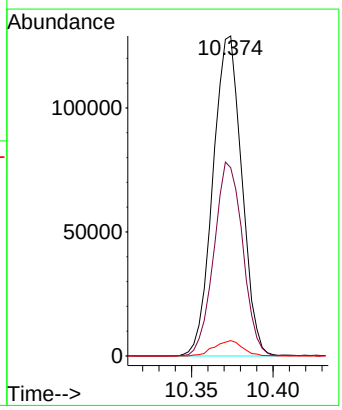
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

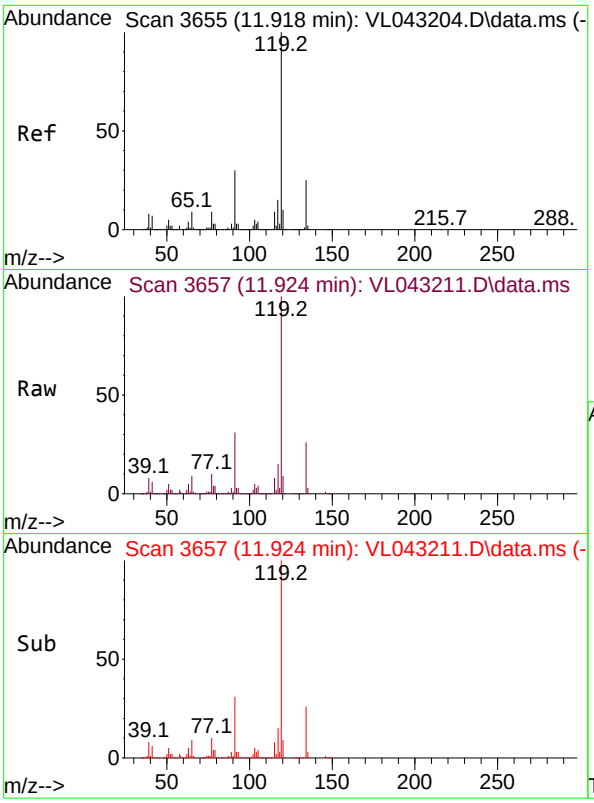


#68
1-Bromo-4-Fluorobenzene
Concen: 10.048 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 95 Resp: 159242

Ion	Ratio	Lower	Upper
95	100		
174	60.4	50.2	75.2
175	4.7	4.1	6.1





#69
p-Isopropyltoluene
Concen: 8.272 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

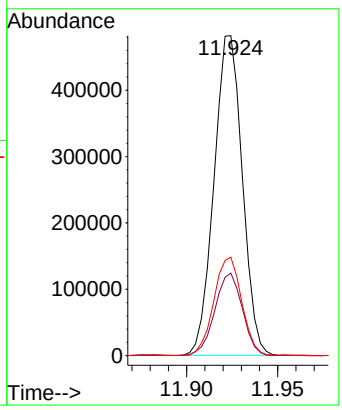
Tgt Ion:119 Resp: 52088

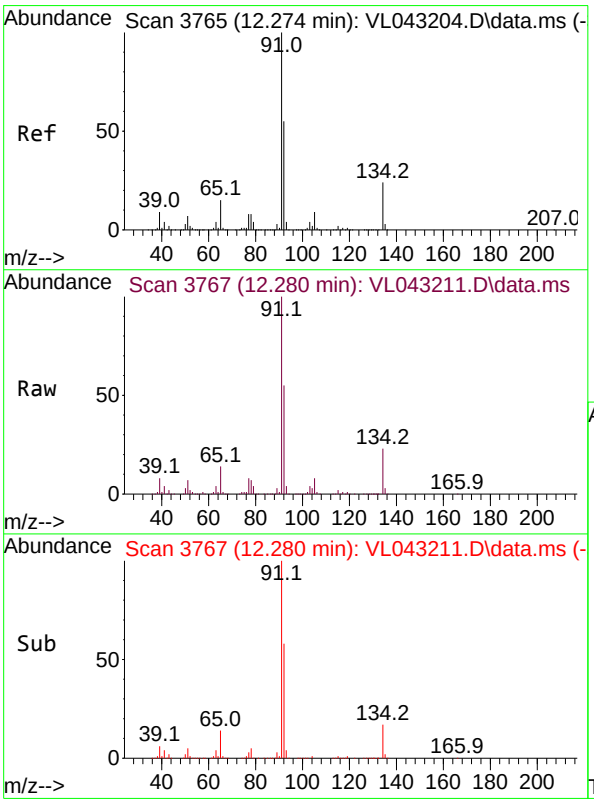
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	30.6	23.8	35.8

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

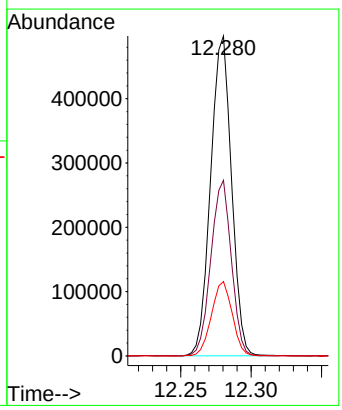


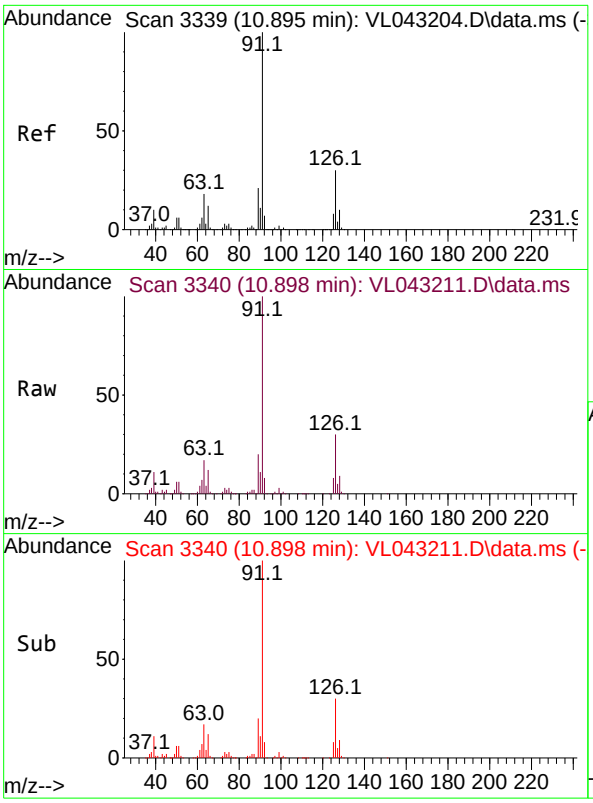


#70
n-Butylbenzene
Concen: 8.398 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 513027

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.5	65.3
134	23.1	19.0	28.6

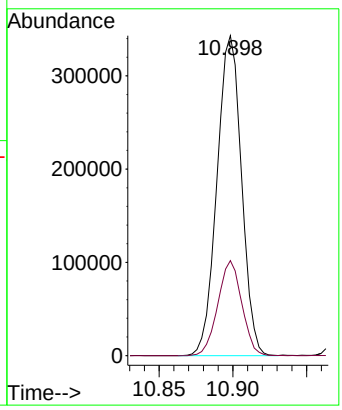




#71
2-Chlorotoluene
Concen: 8.649 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 39643

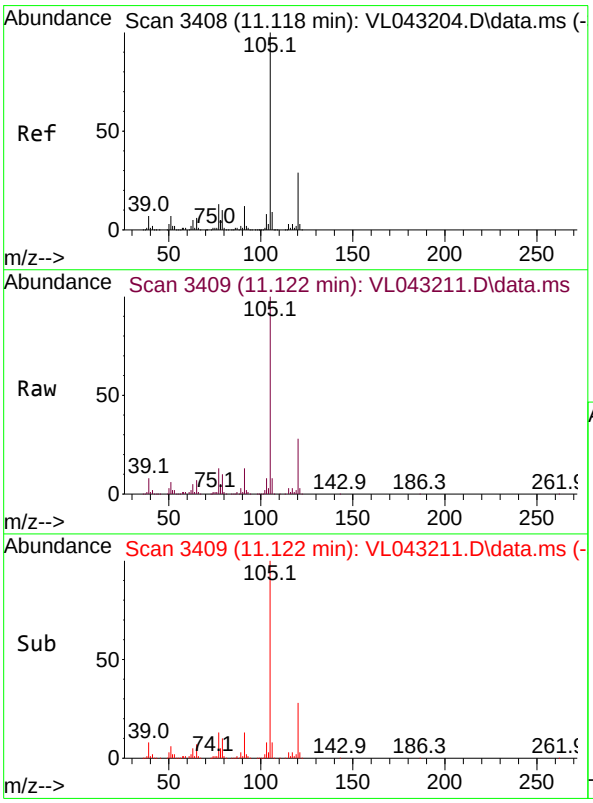
Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

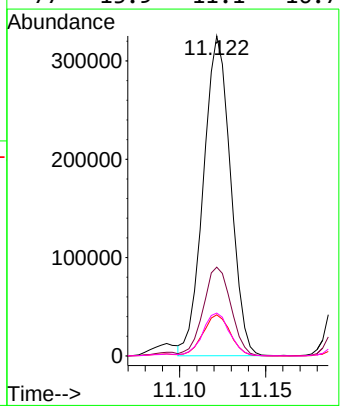
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

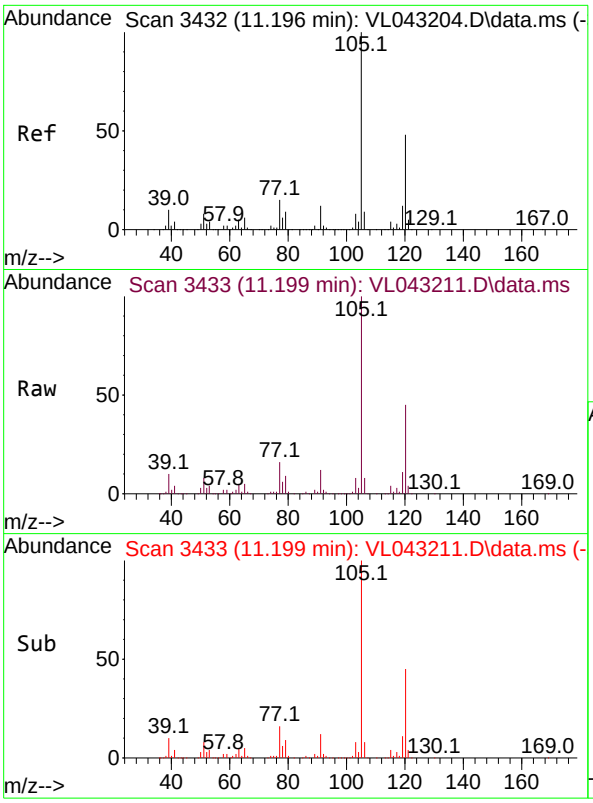


#72
4-Ethyltoluene
Concen: 8.779 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 356325

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.8	35.8
91	13.5	10.3	15.5
77	13.9	11.1	16.7

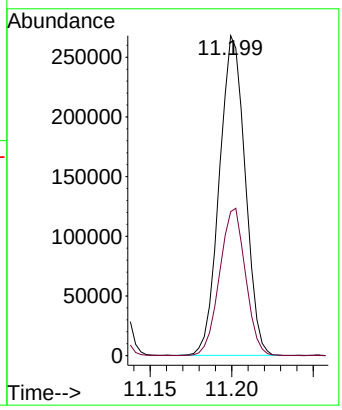




#73
1,3,5-Trimethylbenzene
Concen: 8.660 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 29497

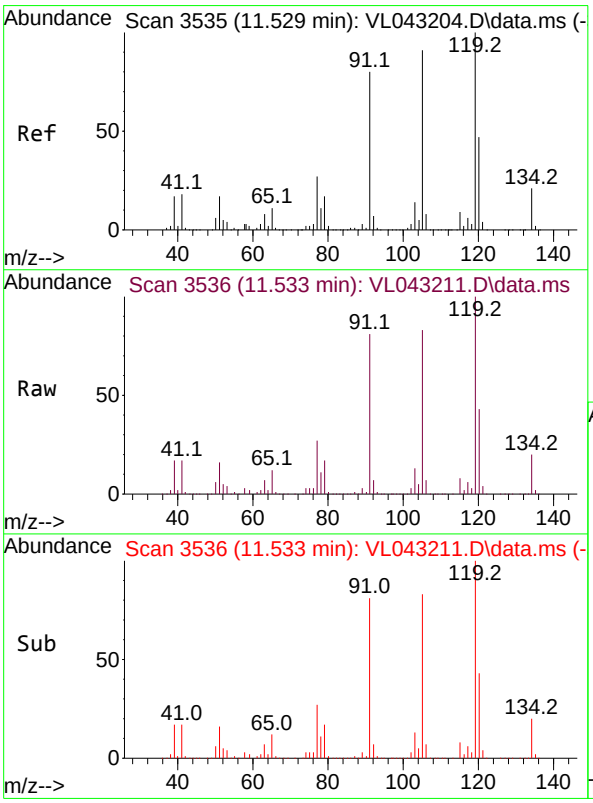
Ion	Ratio	Lower	Upper
105	100		
120	45.0	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

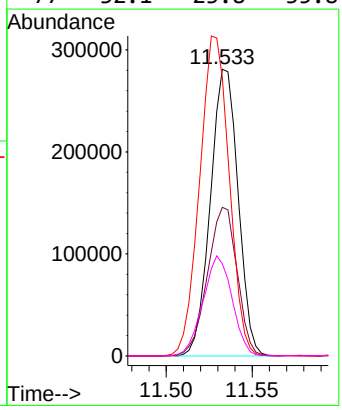
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

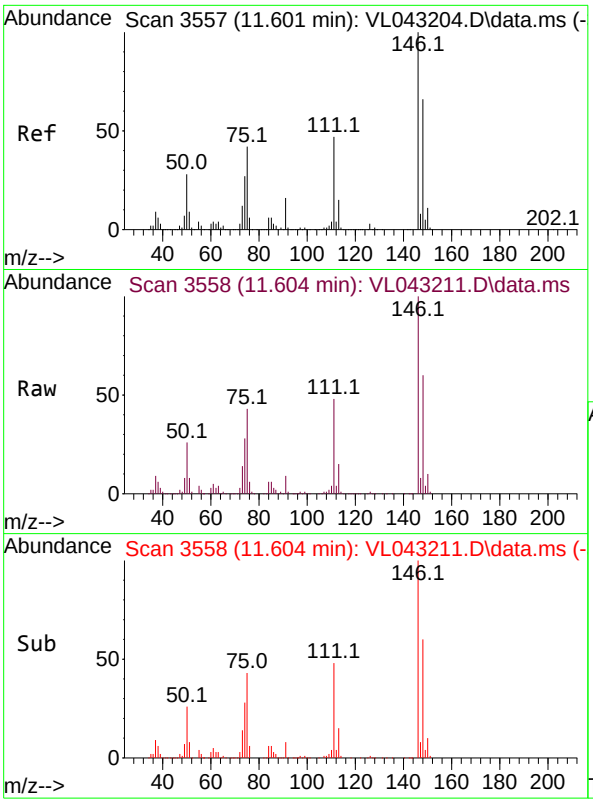


#74
1,2,4-Trimethylbenzene
Concen: 8.463 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 314606

Ion	Ratio	Lower	Upper
105	100		
120	51.8	41.7	62.5
91	96.9	70.0	105.0
77	32.1	23.8	35.8

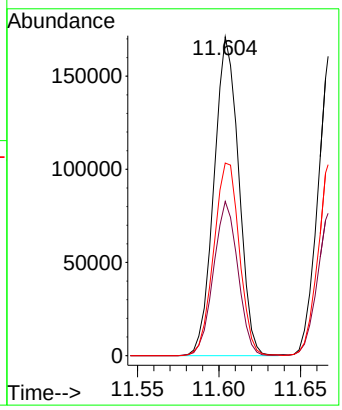




#75
1,3-Dichlorobenzene
Concen: 8.320 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:146 Resp: 18049

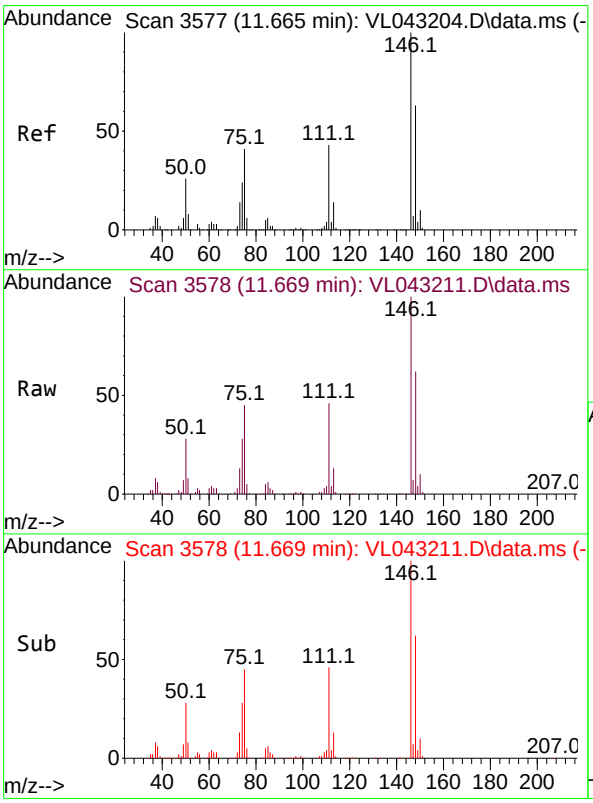
Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.4	70.3
148	62.7	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

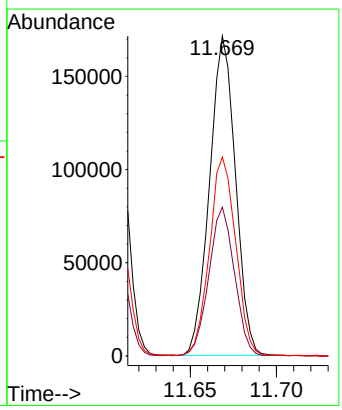
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

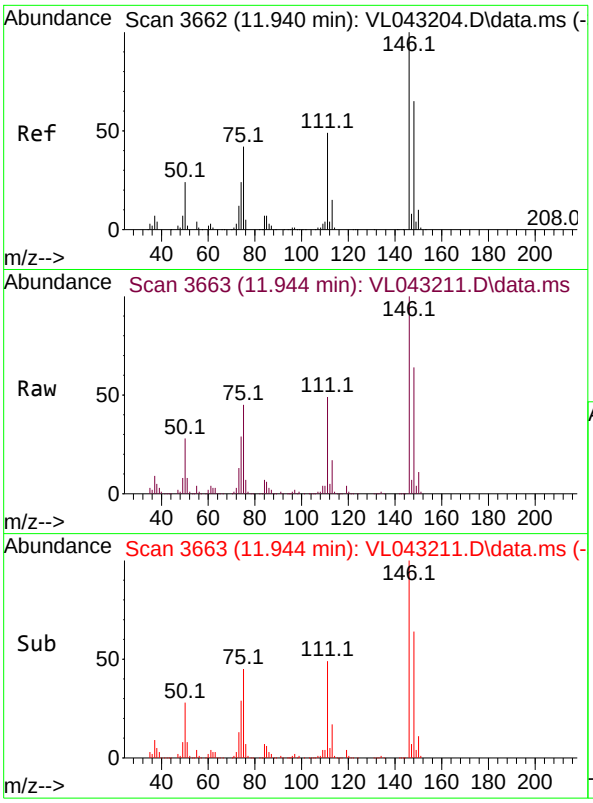


#76
1,4-Dichlorobenzene
Concen: 8.273 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:146 Resp: 179491

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.8	68.3
148	63.4	31.8	95.4

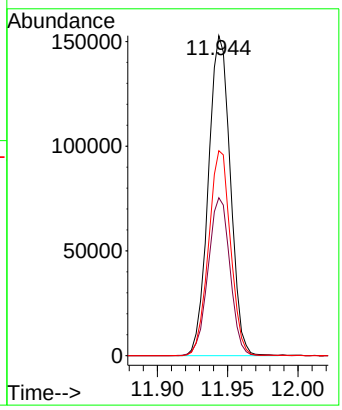




#77
1,2-Dichlorobenzene
Concen: 7.966 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:146 Resp: 16613

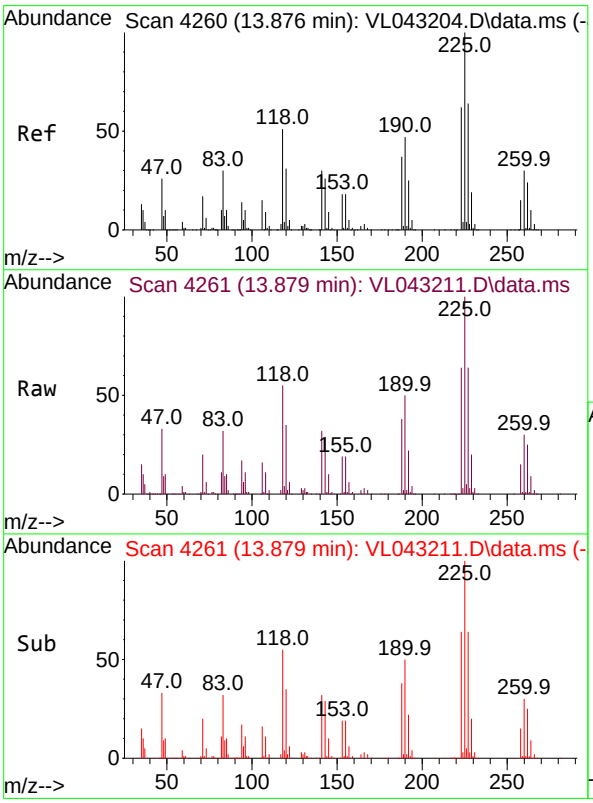
Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.3	73.0
148	63.9	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
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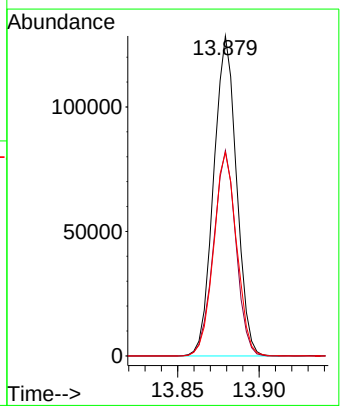
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

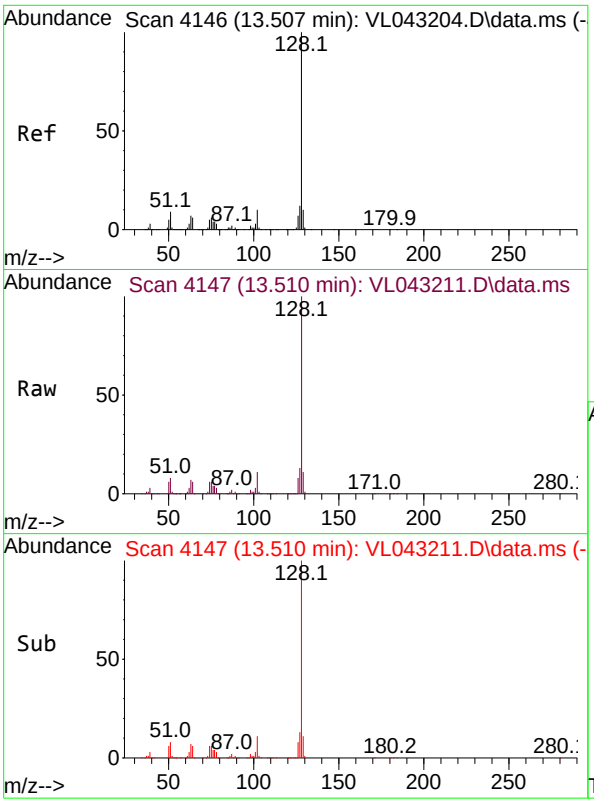


#78
Hexachloro-1,3-Butadiene
Concen: 7.222 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:225 Resp: 125707

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4
227	63.7	51.1	76.7

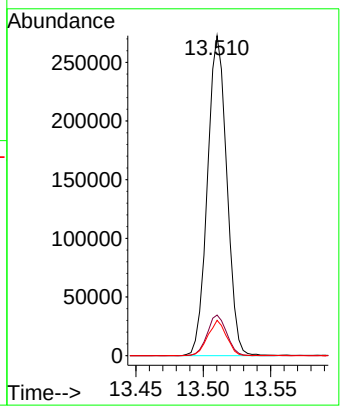




#79
Naphthalene
Concen: 8.270 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:128 Resp: 27302

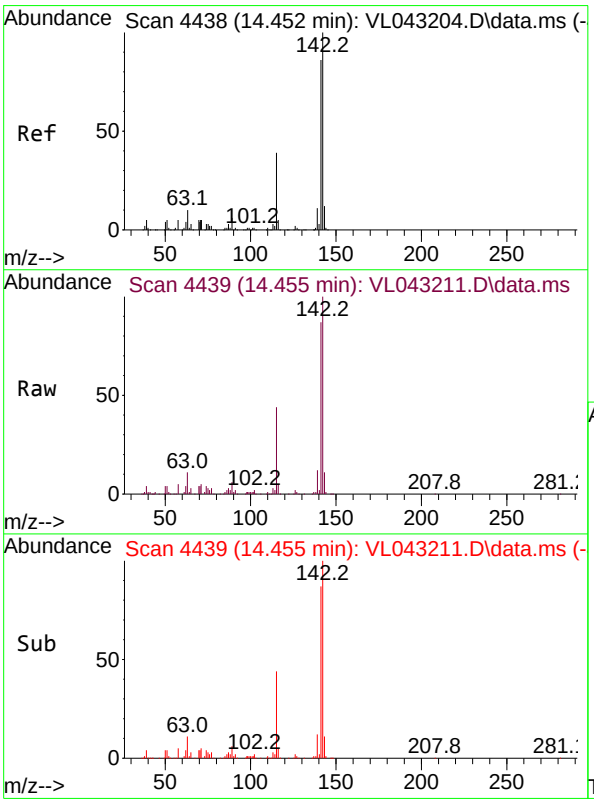
Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.0	8.4	12.6



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

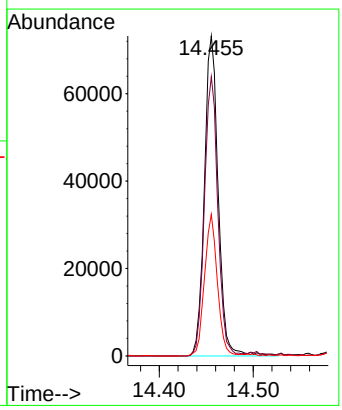
Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

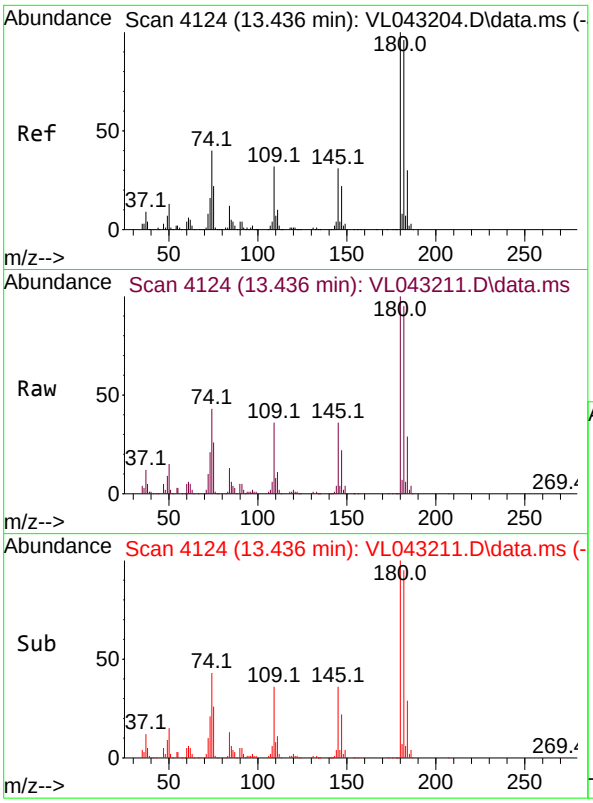


#80
Naphthalene,2-methyl-
Concen: 8.631 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:142 Resp: 74802

Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.1	100.7
115	41.7	31.9	47.9

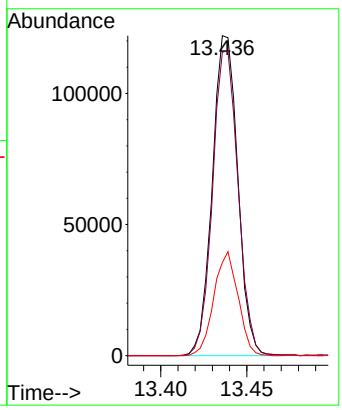




#81
1,2,4-Trichlorobenzene
Concen: 8.497 ppbv
RT: 13.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:180 Resp: 12547

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.2
184	30.9	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/19/2025
Supervised By :Mahesh Dadoda 11/19/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 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	1.410	1.363	3.3	95	0.00
3		Chlorodifluoromethane	1.387	1.276	8.0	90	0.00
4		Chloromethane	0.527	0.479	9.1	90	0.00
5	T	Vinyl Chloride	0.577	0.490	15.1	94	0.00
6	T	Bromomethane	0.280	0.227	18.9	84	0.00
7		Chloroethane	0.225	0.203	9.8	97	0.00
8	T	Dichlorotetrafluoroethane	1.173	1.130	3.7	96	0.00
9	T	Propene	0.589	0.552	6.3	103	0.00
10	T	Heptane	1.753	1.525	13.0	88	0.00
11	T	Trichlorofluoromethane	1.367	1.377	-0.7	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.067	1.032	3.3	97	0.00
13		Ethanol	0.207	0.157	24.2	88	0.00
14	T	Bromoethene	0.409	0.378	7.6	97	0.00
15	T	Acetone	1.389	1.071	22.9	97	0.00
16	T	1,3-Butadiene	0.619	0.560	9.5	95	0.00
17		tert-Butyl alcohol	1.824	1.686	7.6	92	0.00
18	T	1,1-Dichloroethene	0.497	0.448	9.9	95	0.00
19	T	Isopropyl Alcohol	0.785	0.662	15.7	90	0.00
20	T	Methylene Chloride	0.600	0.422	29.7	99	0.00
21	T	Allyl Chloride	0.935	0.772	17.4	85	0.00
22	T	trans-1,2-Dichloroethene	0.568	0.513	9.7	96	0.00
23	T	Vinyl Acetate	1.677	1.432	14.6	82	0.00
24	T	1,1-Dichloroethane	1.096	1.054	3.8	96	0.00
25	T	Ethyl Acetate	2.996	2.643	11.8	89	0.00
26	T	Hexane	1.314	1.168	11.1	88	0.00
27	T	Carbon Disulfide	1.341	1.278	4.7	95	0.00
28	T	Methyl tert-Butyl Ether	0.645	0.656	-1.7	103	0.00
29	T	Chloroform	1.867	1.778	4.8	93	0.00
30	T	Cyclohexane	1.101	1.008	8.4	92	0.00
31	T	cis-1,2-Dichloroethene	1.306	1.225	6.2	92	0.00
32	T	1,1,1-Trichloroethane	1.990	1.863	6.4	92	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
34	T	2-Butanone	0.706	0.615	12.9	88	0.00
35	T	Carbon Tetrachloride	0.759	0.698	8.0	91	0.00
36	T	Benzene	0.958	0.890	7.1	91	0.00
37	T	1,2-Dichloroethane	0.560	0.547	2.3	95	0.00
38	T	Trichloroethene	0.375	0.347	7.5	91	0.00
39	T	1,2-Dichloropropane	0.351	0.318	9.4	88	0.00
40	T	1,4-Dioxane	0.158	0.123	22.2	79	0.00
41	T	Tetrahydrofuran	0.390	0.347	11.0	87	0.00
42	T	Bromodichloromethane	0.773	0.746	3.5	92	0.00
43		Methyl Methacrylate	0.508	0.444	12.6	89	0.00
44	T	2,2,4-Trimethylpentane	1.645	1.502	8.7	89	0.00
45	T	t-1,3-Dichloropropene	0.474	0.373	21.3	76	0.00
46	T	cis-1,3-Dichloropropene	0.556	0.441	20.7	76	0.00
47	T	1,1,2-Trichloroethane	0.372	0.338	9.1	91	0.01
48	T	Dibromochloromethane	0.640	0.608	5.0	91	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 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	0.566	0.515	9.0	86	0.00
50	T	4-Methyl-2-Pentanone	0.994	0.858	13.7	84	0.00
51	T	2-Hexanone	0.772	0.636	17.6	80	0.00
52	T	Tetrachloroethene	0.356	0.316	11.2	89	0.00
53	T	Toluene	1.134	1.043	8.0	90	0.00
54	T	1,2-Dibromoethane	0.547	0.477	12.8	84	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
56		1,1,1,2-Tetrachloroethane	0.735	0.659	10.3	90	0.00
57	T	Chlorobenzene	1.027	0.922	10.2	88	0.00
58	T	Ethyl Benzene	1.925	1.764	8.4	89	0.00
59	T	m/p-Xylene	1.543	1.397	9.5	90	0.00
60	T	o-Xylene	1.542	1.368	11.3	89	0.00
61	T	Styrene	0.675	0.588	12.9	84	0.00
62		Isopropylbenzene	2.758	2.431	11.9	88	0.00
63	T	1,1,2,2-Tetrachloroethane	0.981	0.826	15.8	85	0.00
64		n-propylbenzene	0.709	0.609	14.1	85	0.00
65		tert-Butylbenzene	2.463	2.085	15.3	86	0.00
66	T	Benzyl Chloride	0.250	0.129	48.4#	49	0.00
67		sec-Butylbenzene	3.438	2.884	16.1	85	0.00
68	S	1-Bromo-4-Fluorobenzene	0.733	0.737	-0.5	92	0.00
69		p-Isopropyltoluene	2.912	2.409	17.3	83	0.00
70		n-Butylbenzene	2.825	2.373	16.0	83	0.00
71		2-Chlorotoluene	2.120	1.834	13.5	86	0.00
72	T	4-Ethyltoluene	1.877	1.648	12.2	87	0.00
73	T	1,3,5-Trimethylbenzene	1.575	1.364	13.4	86	0.00
74	T	1,2,4-Trimethylbenzene	1.719	1.455	15.4	87	0.00
75	T	1,3-Dichlorobenzene	1.003	0.835	16.7	82	0.00
76	T	1,4-Dichlorobenzene	1.003	0.830	17.2	81	0.00
77	T	1,2-Dichlorobenzene	0.965	0.768	20.4	81	0.00
78	T	Hexachloro-1,3-Butadiene	0.805	0.581	27.8	78	0.00
79	T	Naphthalene	1.527	1.263	17.3	78	0.00
80	T	Naphthalene,2-methyl-	0.401	0.346	13.7	80	0.00
81	T	1,2,4-Trichlorobenzene	0.683	0.580	15.1	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2	T	Dichlorodifluoromethane	10.000	9.664	3.4	95	0.00
3		Chlorodifluoromethane	10.000	9.199	8.0	90	0.00
4		Chloromethane	10.000	9.090	9.1	90	0.00
5	T	Vinyl Chloride	10.000	8.493	15.1	94	0.00
6	T	Bromomethane	10.000	8.126	18.7	84	0.00
7		Chloroethane	10.000	9.033	9.7	97	0.00
8	T	Dichlorotetrafluoroethane	10.000	9.632	3.7	96	0.00
9	T	Propene	10.000	9.370	6.3	103	0.00
10	T	Heptane	10.000	8.698	13.0	88	0.00
11	T	Trichlorofluoromethane	10.000	10.077	-0.8	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	9.673	3.3	97	0.00
13		Ethanol	10.000	7.584	24.2	88	0.00
14	T	Bromoethene	10.000	9.240	7.6	97	0.00
15	T	Acetone	10.000	7.711	22.9	97	0.00
16	T	1,3-Butadiene	10.000	9.041	9.6	95	0.00
17		tert-Butyl alcohol	10.000	9.245	7.6	92	0.00
18	T	1,1-Dichloroethene	10.000	9.017	9.8	95	0.00
19	T	Isopropyl Alcohol	10.000	8.431	15.7	90	0.00
20	T	Methylene Chloride	10.000	10.323	-3.2	99	0.00
21	T	Allyl Chloride	10.000	8.256	17.4	85	0.00
22	T	trans-1,2-Dichloroethene	10.000	9.041	9.6	96	0.00
23	T	Vinyl Acetate	10.000	8.539	14.6	82	0.00
24	T	1,1-Dichloroethane	10.000	9.622	3.8	96	0.00
25	T	Ethyl Acetate	10.000	8.820	11.8	89	0.00
26	T	Hexane	10.000	8.892	11.1	88	0.00
27	T	Carbon Disulfide	10.000	9.528	4.7	95	0.00
28	T	Methyl tert-Butyl Ether	10.000	10.171	-1.7	103	0.00
29	T	Chloroform	10.000	9.521	4.8	93	0.00
30	T	Cyclohexane	10.000	9.148	8.5	92	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.379	6.2	92	0.00
32	T	1,1,1-Trichloroethane	10.000	9.358	6.4	92	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	92	0.00
34	T	2-Butanone	10.000	8.707	12.9	88	0.00
35	T	Carbon Tetrachloride	10.000	9.200	8.0	91	0.00
36	T	Benzene	10.000	9.293	7.1	91	0.00
37	T	1,2-Dichloroethane	10.000	9.772	2.3	95	0.00
38	T	Trichloroethene	10.000	9.272	7.3	91	0.00
39	T	1,2-Dichloropropane	10.000	9.086	9.1	88	0.00
40	T	1,4-Dioxane	10.000	7.780	22.2	79	0.00
41	T	Tetrahydrofuran	10.000	8.891	11.1	87	0.00
42	T	Bromodichloromethane	10.000	9.657	3.4	92	0.00
43		Methyl Methacrylate	10.000	8.737	12.6	89	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.133	8.7	89	0.00
45	T	t-1,3-Dichloropropene	10.000	7.863	21.4	76	0.00
46	T	cis-1,3-Dichloropropene	10.000	7.924	20.8	76	0.00
47	T	1,1,2-Trichloroethane	10.000	9.086	9.1	91	0.01
48	T	Dibromochloromethane	10.000	9.514	4.9	91	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	9.085	9.1	86	0.00
50	T	4-Methyl-2-Pentanone	10.000	8.631	13.7	84	0.00
51	T	2-Hexanone	10.000	8.233	17.7	80	0.00
52	T	Tetrachloroethene	10.000	8.884	11.2	89	0.00
53	T	Toluene	10.000	9.197	8.0	90	0.00
54	T	1,2-Dibromoethane	10.000	8.705	13.0	84	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	92	0.00
56		1,1,1,2-Tetrachloroethane	10.000	8.969	10.3	90	0.00
57	T	Chlorobenzene	10.000	8.981	10.2	88	0.00
58	T	Ethyl Benzene	10.000	9.167	8.3	89	0.00
59	T	m/p-Xylene	20.000	18.108	9.5	90	0.00
60	T	o-Xylene	10.000	8.876	11.2	89	0.00
61	T	Styrene	10.000	8.714	12.9	84	0.00
62		Isopropylbenzene	10.000	8.816	11.8	88	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	8.421	15.8	85	0.00
64		n-propylbenzene	10.000	8.591	14.1	85	0.00
65		tert-Butylbenzene	10.000	8.465	15.4	86	0.00
66	T	Benzyl Chloride	10.000	5.159	48.4#	49	0.00
67		sec-Butylbenzene	10.000	8.388	16.1	85	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.048	-0.5	92	0.00
69		p-Isopropyltoluene	10.000	8.272	17.3	83	0.00
70		n-Butylbenzene	10.000	8.398	16.0	83	0.00
71		2-Chlorotoluene	10.000	8.649	13.5	86	0.00
72	T	4-Ethyltoluene	10.000	8.779	12.2	87	0.00
73	T	1,3,5-Trimethylbenzene	10.000	8.660	13.4	86	0.00
74	T	1,2,4-Trimethylbenzene	10.000	8.463	15.4	87	0.00
75	T	1,3-Dichlorobenzene	10.000	8.320	16.8	82	0.00
76	T	1,4-Dichlorobenzene	10.000	8.273	17.3	81	0.00
77	T	1,2-Dichlorobenzene	10.000	7.966	20.3	81	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	7.222	27.8	78	0.00
79	T	Naphthalene	10.000	8.270	17.3	78	0.00
80	T	Naphthalene,2-methyl-	10.000	8.631	13.7	80	0.00
81	T	1,2,4-Trichlorobenzene	10.000	8.497	15.0	79	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: RTPE01
Lab Code: ACE
SDG No.: Q3655
Instrument ID: MSVOA_L
Calibration Date/Time: 11/20/2025 10:14
Lab File ID: VL043257.D
Init. Calib. Date(s): 11/18/2025 11/18/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:29 13:24
GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.410	1.569		11.21	30
Chloromethane	0.527	0.529		0.38	30
Vinyl Chloride	0.577	0.538		-6.76	30
Bromomethane	0.280	0.269		-3.93	30
Chloroethane	0.225	0.218		-3.11	30
Tetrahydrofuran	0.390	0.344		-11.8	30
Trichlorofluoromethane	1.367	1.651		20.77	30
1,1,2-Trichlorotrifluoroethane	1.067	1.233		15.56	30
Dichlorotetrafluoroethane	1.173	1.263		7.67	30
tert-Butyl alcohol	1.824	1.709		-6.3	30
Heptane	1.753	1.521		-13.23	30
1,1-Dichloroethene	0.497	0.539		8.45	30
Acetone	1.389	1.188		-14.47	30
Carbon Disulfide	1.341	1.465		9.25	30
Methyl tert-Butyl Ether	0.645	0.668		3.57	30
Methylene Chloride	0.600	0.472		-21.33	30
trans-1,2-Dichloroethene	0.568	0.608		7.04	30
1,1-Dichloroethane	1.096	1.165		6.3	30
Cyclohexane	1.101	1.067		-3.09	30
2-Butanone	0.706	0.657		-6.94	30
Carbon Tetrachloride	0.759	0.862		13.57	30
cis-1,2-Dichloroethene	1.306	1.342		2.76	30
Chloroform	1.867	2.134		14.3	30
1,1,1-Trichloroethane	1.990	2.205		10.8	30
2,2,4-Trimethylpentane	1.645	1.586		-3.59	30
Benzene	0.958	0.965		0.73	30
1,2-Dichloroethane	0.560	0.629		12.32	30
Trichloroethene	0.375	0.391		4.27	30
1,2-Dichloropropane	0.351	0.335		-4.56	30
Bromodichloromethane	0.773	0.862		11.51	30
4-Methyl-2-Pentanone	0.994	0.864		-13.08	30
Toluene	1.134	1.089		-3.97	30
t-1,3-Dichloropropene	0.474	0.364		-23.21	30
cis-1,3-Dichloropropene	0.556	0.445		-19.96	30
1,1,2-Trichloroethane	0.372	0.379		1.88	30
Dibromochloromethane	0.640	0.703		9.84	30
1,2-Dibromoethane	0.547	0.530		-3.11	30
Tetrachloroethene	0.356	0.360		1.12	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: RTPE01

Lab Code: ACE SDG No.: Q3655

Instrument ID: MSVOA_L Calibration Date/Time: 11/20/2025 10:14

Lab File ID: VL043257.D Init. Calib. Date(s): 11/18/2025 11/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:29 13:24

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Chlorobenzene	1.027	1.061		3.31	30
Ethyl Benzene	1.925	1.932		0.36	30
m/p-Xylene	1.543	1.592		3.18	30
o-Xylene	1.542	1.585		2.79	30
Styrene	0.675	0.631		-6.52	30
Bromoform	0.566	0.623		10.07	30
1,1,2,2-Tetrachloroethane	0.981	0.963		-1.84	30
2-Chlorotoluene	2.120	2.093		-1.27	30
1,3,5-Trimethylbenzene	1.575	1.594		1.21	30
1,2,4-Trimethylbenzene	1.719	1.736		0.99	30
1,3-Dichlorobenzene	1.003	1.023		1.99	30
1,4-Dichlorobenzene	1.003	1.015		1.2	30
1,2-Dichlorobenzene	0.965	0.968		0.31	30
1,2,4-Trichlorobenzene	0.683	0.721		5.56	30
Hexachloro-1,3-Butadiene	0.805	0.773		-3.97	30
1,3-Butadiene	0.619	0.607		-1.94	30
Naphthalene	1.527	1.456		-4.65	30
4-Ethyltoluene	1.877	1.905		1.49	30
1-Bromo-4-Fluorobenzene	0.733	0.748		2.05	30
Hexane	1.314	1.265		-3.73	30
Allyl Chloride	0.935	0.815		-12.83	30
1,4-Dioxane	157.566	132.640		-15.82	30
Methyl Methacrylate	0.508	0.455		-10.43	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\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.777	49	102759	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	275595	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	222776	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	166532	10.198	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	161177	11.121	ppbv	98
3) Chlorodifluoromethane	1.473	51	146232	10.259	ppbv	95
4) Chloromethane	1.531	50	54380	10.035	ppbv	95
5) Vinyl Chloride	1.577	62	55244	9.322	ppbv	95
6) Bromomethane	1.664	94	27639	9.621	ppbv	99
7) Chloroethane	1.700	64	22384	9.698	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	129834	10.769	ppbv	99
9) Propene	1.480	41	55697m	9.202	ppbv	
10) Heptane	4.959	43	156253	8.674	ppbv	95
11) Trichlorofluoromethane	1.874	101	169670	12.083	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	126654	11.553	ppbv	97
13) Ethanol	1.716	45	16970	7.973	ppbv	95
14) Bromoethene	1.777	108	45797	10.897	ppbv	96
15) Acetone	1.829	43	122027	8.547	ppbv	99
16) 1,3-Butadiene	1.606	39	62334	9.794	ppbv	97
17) tert-Butyl alcohol	2.033	59	175626	9.372	ppbv	100
18) 1,1-Dichloroethene	2.030	96	55419	10.857	ppbv	88
19) Isopropyl Alcohol	1.881	45	72573	8.996	ppbv	94
20) Methylene Chloride	2.056	84	48499	11.659	ppbv	95
21) Allyl Chloride	2.091	41	83761	8.720	ppbv	93
22) trans-1,2-Dichloroethene	2.334	96	62490	10.711	ppbv	90
23) Vinyl Acetate	2.454	43	157670	9.148	ppbv	99
24) 1,1-Dichloroethane	2.402	63	119663	10.625	ppbv	97
25) Ethyl Acetate	2.823	43	285972	9.287	ppbv	99
26) Hexane	2.819	57	130004	9.630	ppbv	98
27) Carbon Disulfide	2.146	76	150498	10.920	ppbv	99
28) Methyl tert-Butyl Ether	2.431	73	68600	10.352	ppbv	95
29) Chloroform	2.839	83	219297	11.429	ppbv	99
30) Cyclohexane	3.845	84	109617	9.685	ppbv	95
31) cis-1,2-Dichloroethene	2.713	61	137895	10.277	ppbv	93
32) 1,1,1-Trichloroethane	3.357	97	226600	11.079	ppbv	99
34) 2-Butanone	2.548	43	180979	9.303	ppbv	100
35) Carbon Tetrachloride	3.752	117	237548	11.356	ppbv	98
36) Benzene	3.645	78	265981	10.078	ppbv	99
37) 1,2-Dichloroethane	3.208	62	173345	11.229	ppbv	98
38) Trichloroethene	4.528	130	107877	10.447	ppbv	94
39) 1,2-Dichloropropane	4.299	63	92453	9.571	ppbv	95
40) 1,4-Dioxane	4.558	88	36555	8.418	ppbv #	91
41) Tetrahydrofuran	3.040	42	94776	8.822	ppbv	98
42) Bromodichloromethane	4.470	83	237498	11.152	ppbv	99
43) Methyl Methacrylate	4.862	69	125480	8.957	ppbv	96
44) 2,2,4-Trimethylpentane	4.622	57	437108	9.643	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	100231	7.675	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.577	75	122504	7.989	ppbv		98
47) 1,1,2-Trichloroethane	6.561	97	104460m	10.190	ppbv		
48) Dibromochloromethane	7.370	129	193819	10.997	ppbv		99
49) Bromoform	9.471	173	171644	10.994	ppbv		100
50) 4-Methyl-2-Pentanone	5.723	43	238084	8.688	ppbv		99
51) 2-Hexanone	7.415	43	172317	8.097	ppbv	#	99
52) Tetrachloroethene	8.208	164	99129	10.097	ppbv		94
53) Toluene	6.914	91	300158	9.604	ppbv		99
54) 1,2-Dibromoethane	7.636	107	146099	9.684	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.911	131	176606	10.787	ppbv		98
57) Chlorobenzene	8.908	112	236347	10.333	ppbv		98
58) Ethyl Benzene	9.341	91	430385	10.037	ppbv		99
59) m/p-Xylene	9.539	91	709378m	20.635	ppbv		
60) o-Xylene	9.950	91	353166	10.284	ppbv		100
61) Styrene	9.859	104	140574	9.353	ppbv		99
62) Isopropylbenzene	10.529	105	637682	10.379	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.950	83	214523	9.817	ppbv		100
64) n-propylbenzene	10.979	120	158685	10.052	ppbv		97
65) tert-Butylbenzene	11.520	119	544959	9.932	ppbv		98
66) Benzyl Chloride	11.604	91	23441	4.210	ppbv		99
67) sec-Butylbenzene	11.756	105	764527	9.982	ppbv		100
69) p-Isopropyltoluene	11.914	119	641411	9.886	ppbv		100
70) n-Butylbenzene	12.270	91	626151	9.948	ppbv		99
71) 2-Chlorotoluene	10.888	91	466353	9.875	ppbv		99
72) 4-Ethyltoluene	11.115	105	424355	10.147	ppbv		98
73) 1,3,5-Trimethylbenzene	11.193	105	355138	10.119	ppbv		96
74) 1,2,4-Trimethylbenzene	11.526	105	386671	10.095	ppbv		99
75) 1,3-Dichlorobenzene	11.597	146	227896	10.196	ppbv		99
76) 1,4-Dichlorobenzene	11.662	146	226164	10.117	ppbv		100
77) 1,2-Dichlorobenzene	11.937	146	215578	10.032	ppbv		98
78) Hexachloro-1,3-Butadiene	13.873	225	172235	9.604	ppbv		100
79) Naphthalene	13.504	128	324391	9.536	ppbv		98
80) Naphthalene,2-methyl-	14.449	142	78637	8.806	ppbv		98
81) 1,2,4-Trichlorobenzene	13.429	180	160725	10.564	ppbv		99

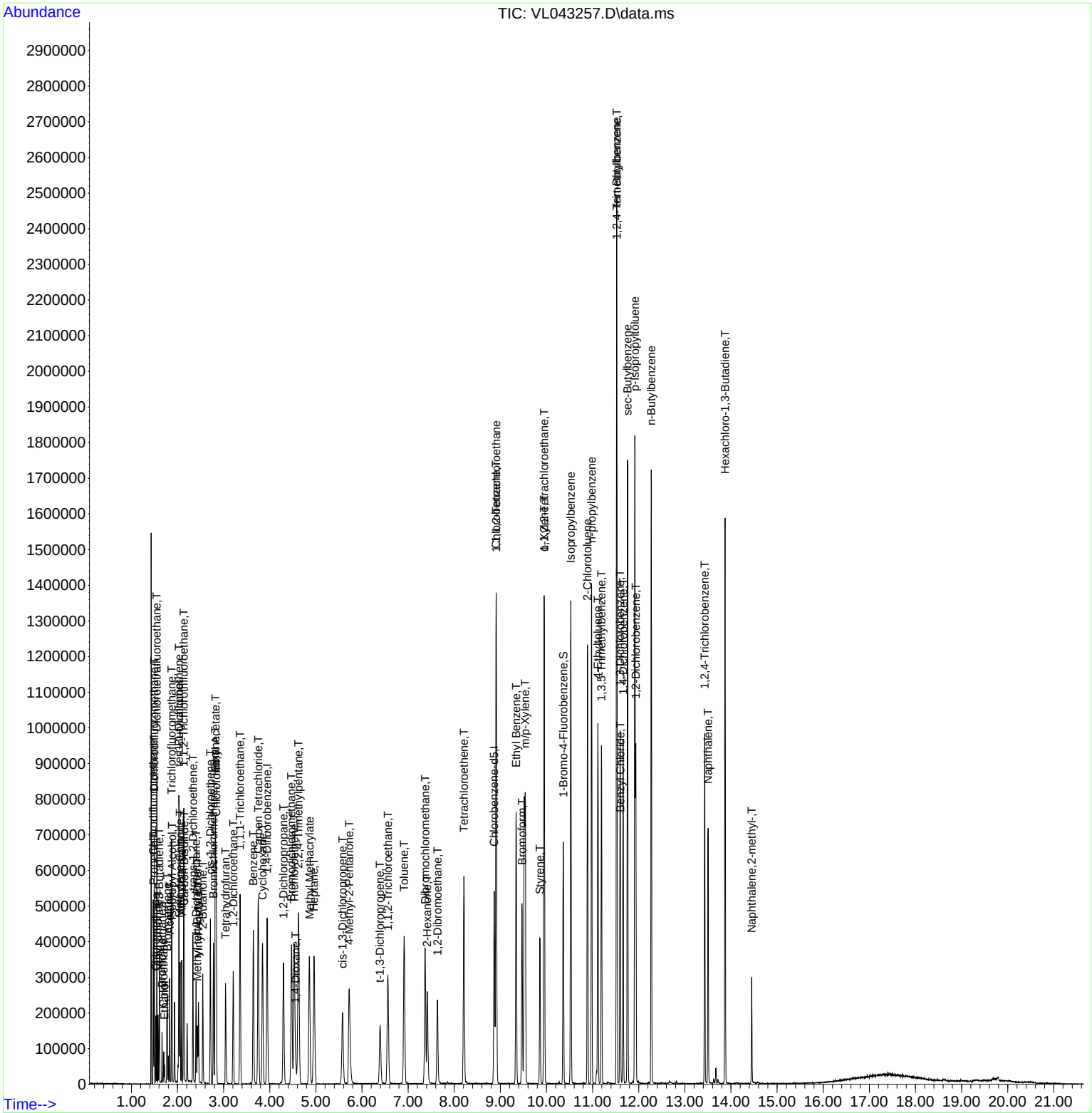
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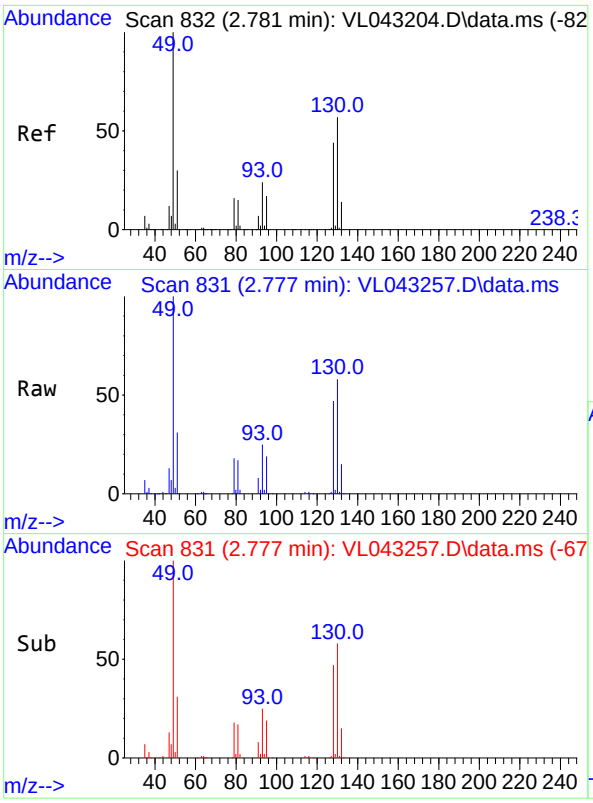
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Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

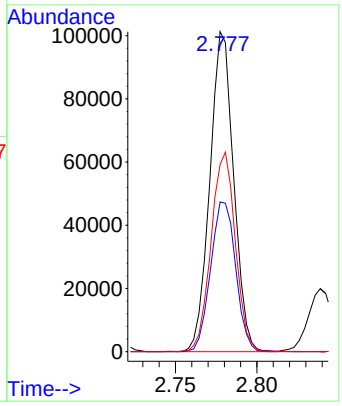




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 49 Resp: 10275

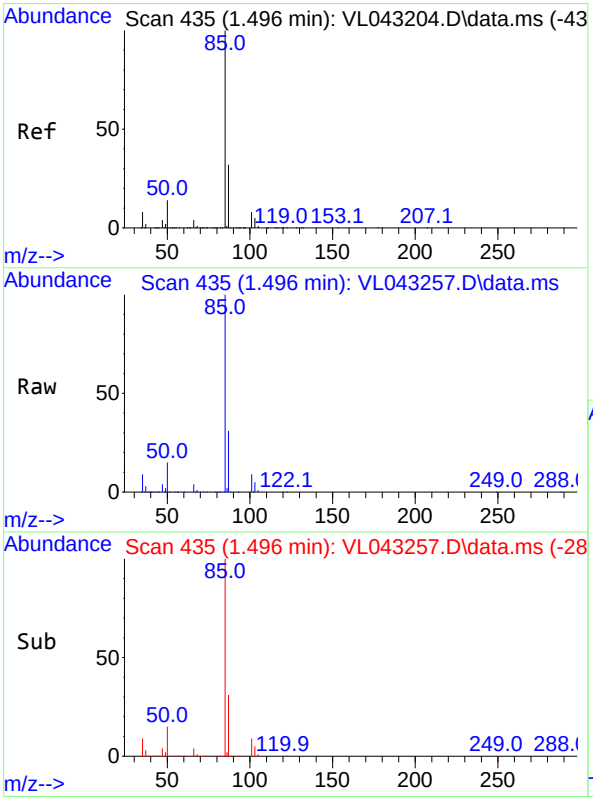
Ion	Ratio	Lower	Upper
49	100		
128	49.3	23.0	69.0
130	63.4	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

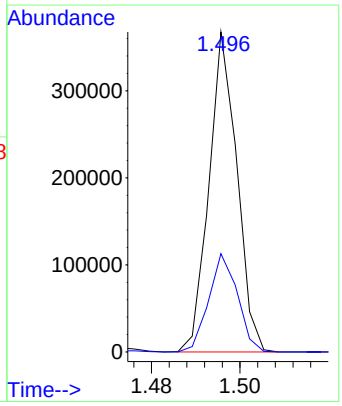
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

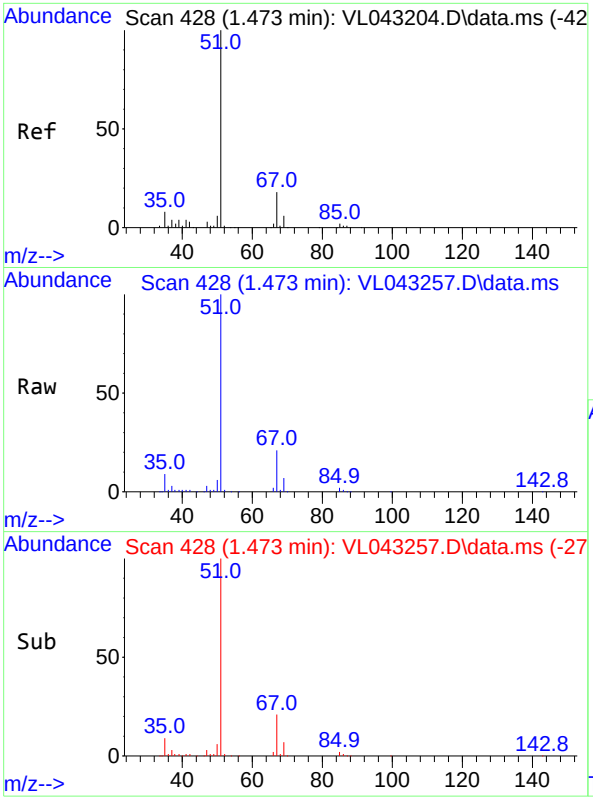


#2
Dichlorodifluoromethane
Concen: 11.121 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 85 Resp: 161177

Ion	Ratio	Lower	Upper
85	100		
87	30.7	25.4	38.2

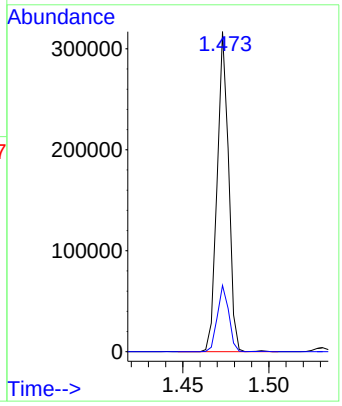




#3
Chlorodifluoromethane
Concen: 10.259 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 51 Resp: 14623

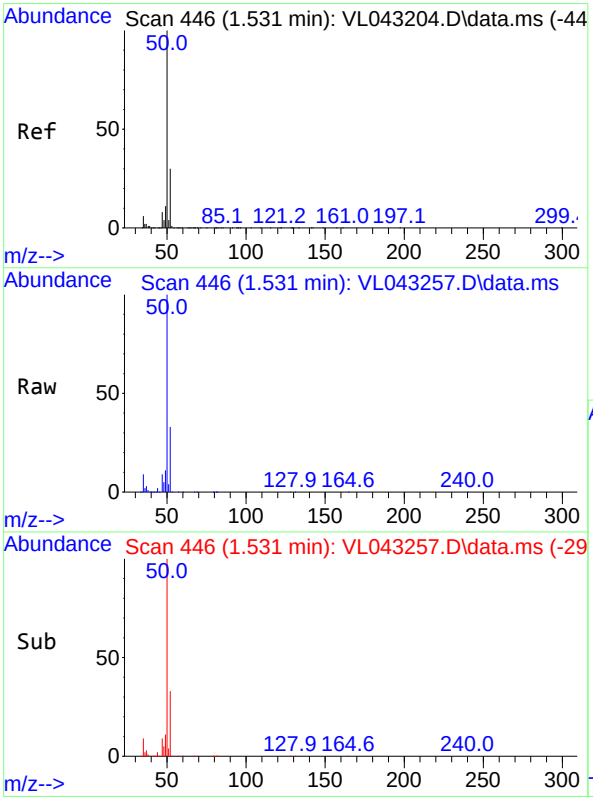
Ion	Ratio	Lower	Upper
51	100		
67	20.8	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

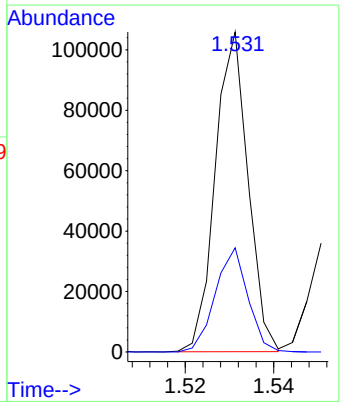
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

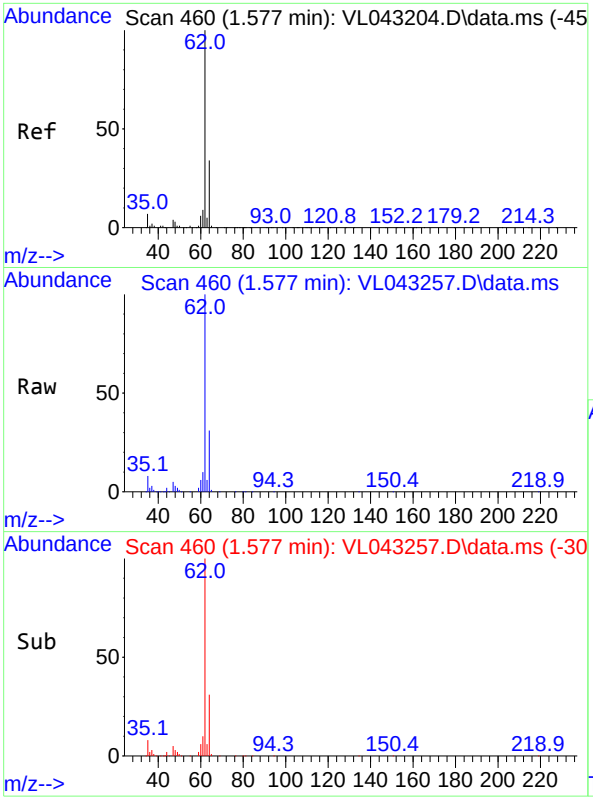


#4
Chloromethane
Concen: 10.035 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 50 Resp: 54380

Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.1	36.1

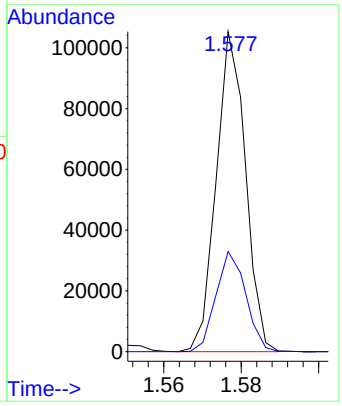




#5
Vinyl Chloride
Concen: 9.322 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 62 Resp: 5524

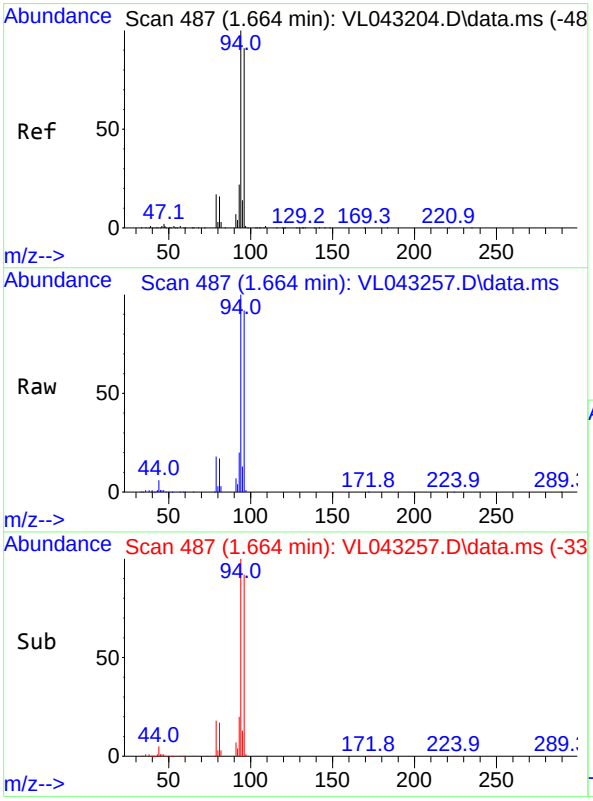
Ion	Ratio	Lower	Upper
62	100		
64	31.3	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

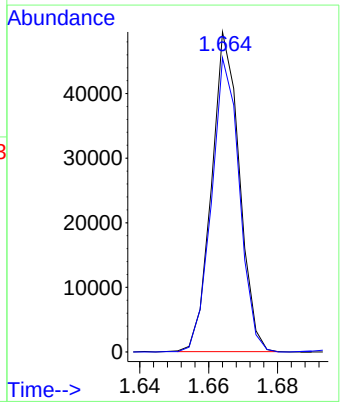
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

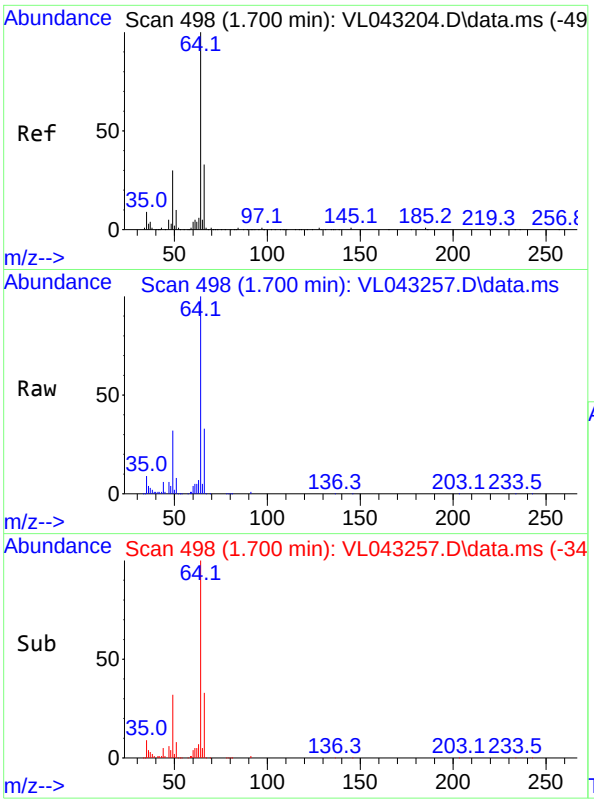


#6
Bromomethane
Concen: 9.621 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 94 Resp: 27639

Ion	Ratio	Lower	Upper
94	100		
96	92.0	72.9	109.3

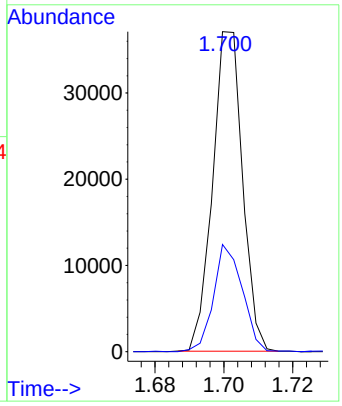




#7
Chloroethane
Concen: 9.698 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 64 Resp: 2238

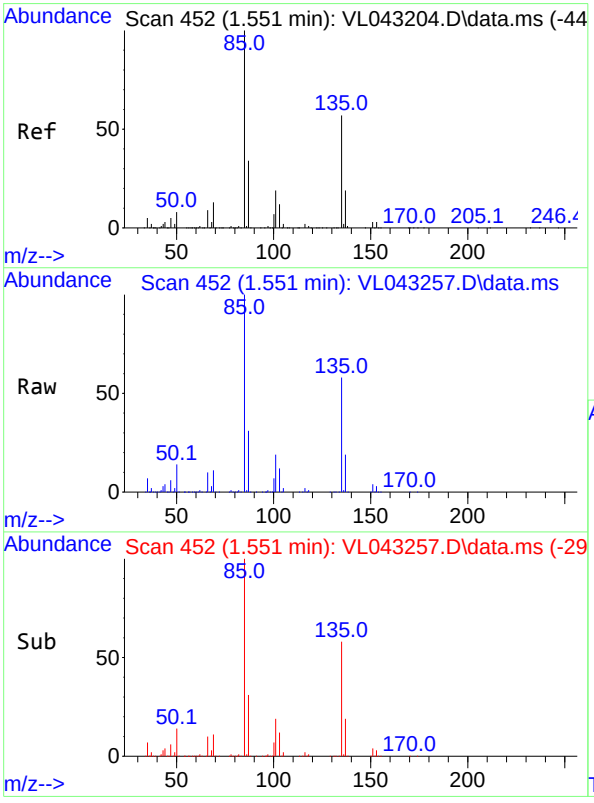
Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

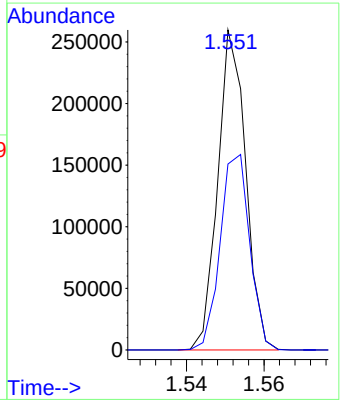
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

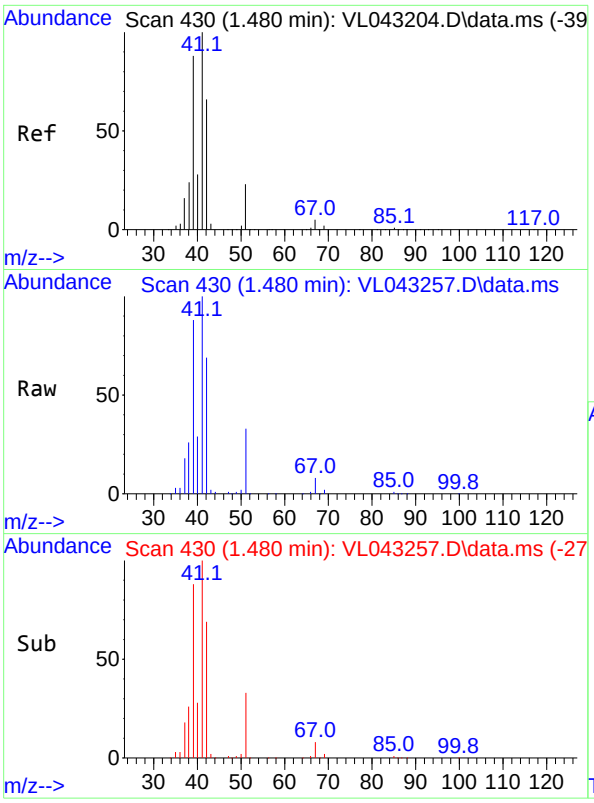


#8
Dichlorotetrafluoroethane
Concen: 10.769 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 85 Resp: 129834

Ion	Ratio	Lower	Upper
85	100		
135	65.0	52.6	79.0

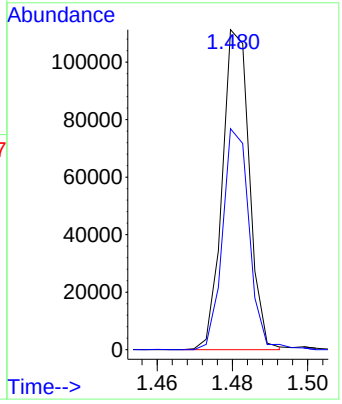




#9
Propene
Concen: 9.202 ppbv m
RT: 1.480 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 41 Resp: 5569

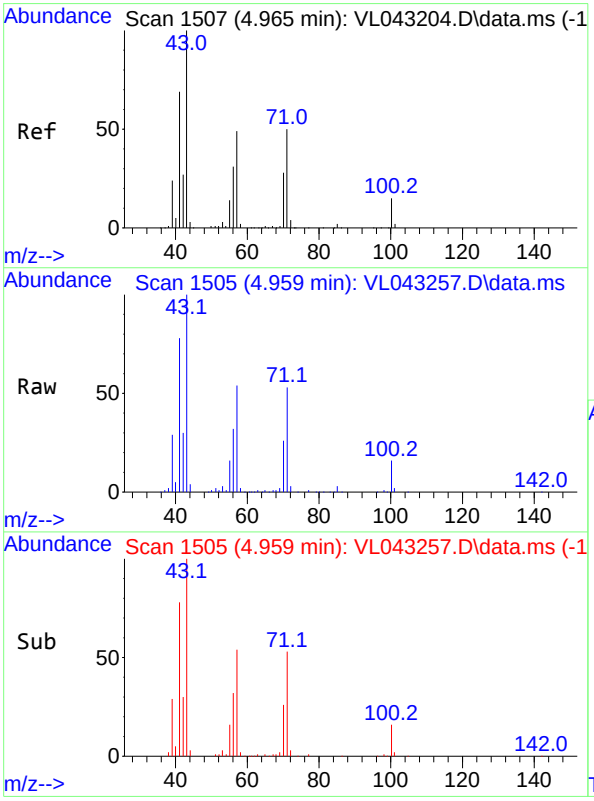
Ion	Ratio	Lower	Upper
41	100		
42	5.5	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

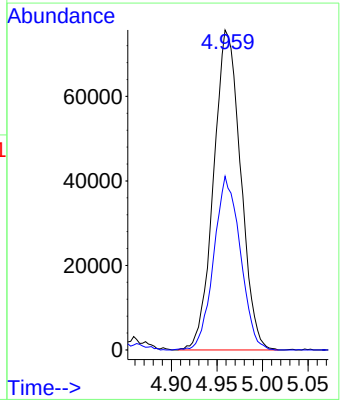
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

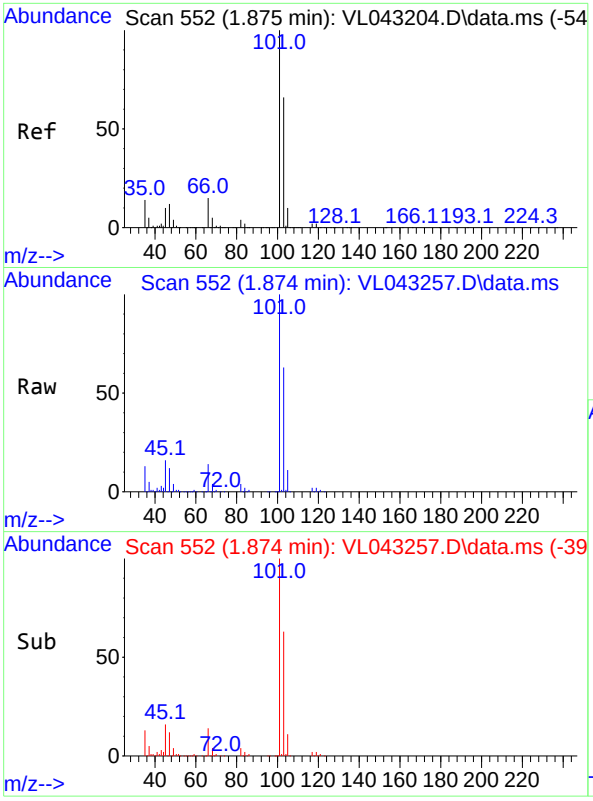


#10
Heptane
Concen: 8.674 ppbv
RT: 4.959 min Scan# 1505
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 156253

Ion	Ratio	Lower	Upper
43	100		
57	53.2	39.7	59.5





#11
Trichlorofluoromethane
Concen: 12.083 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

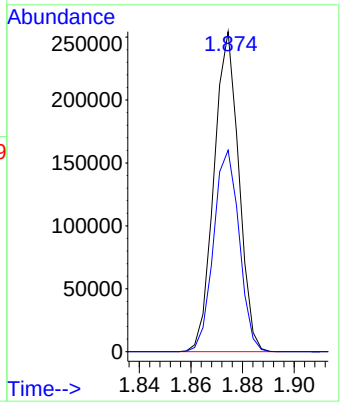
Tgt Ion:101 Resp: 16967

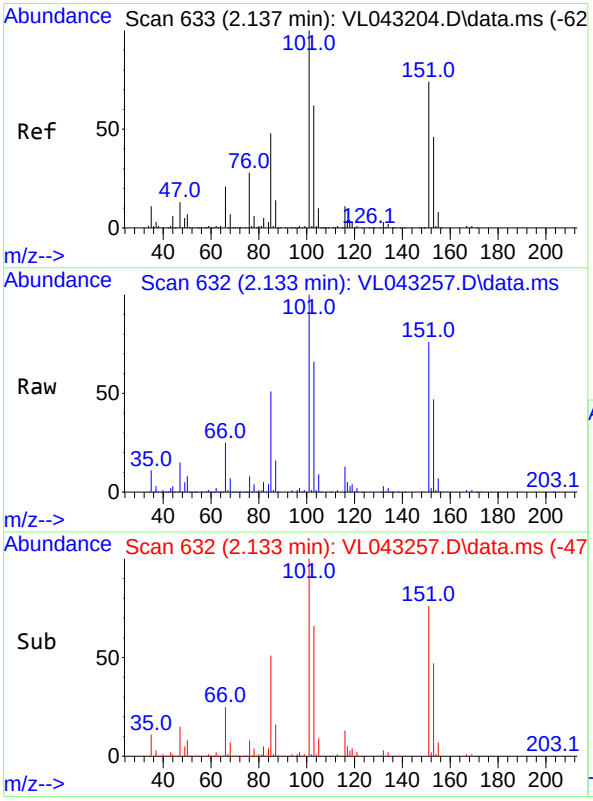
Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.6	79.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

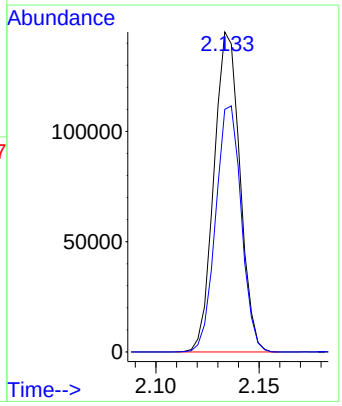


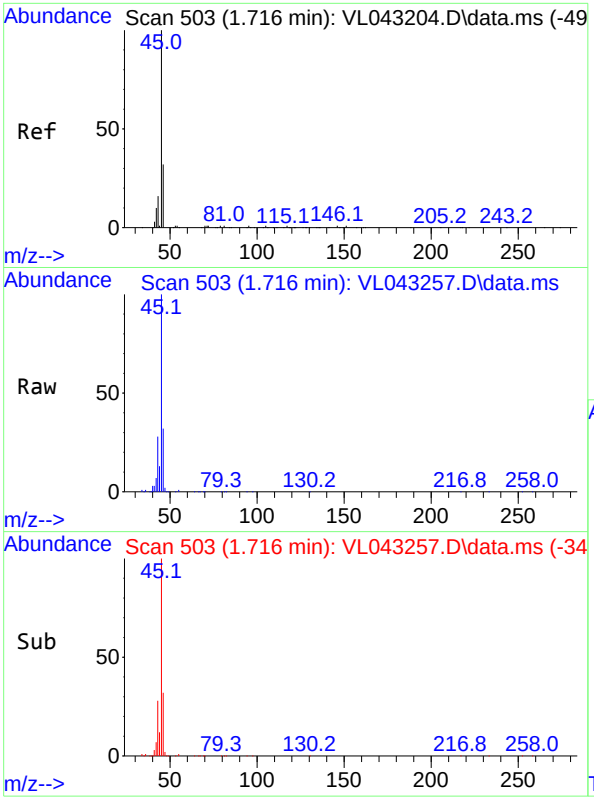


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.553 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:101 Resp: 126654

Ion	Ratio	Lower	Upper
101	100		
151	76.2	59.2	88.8

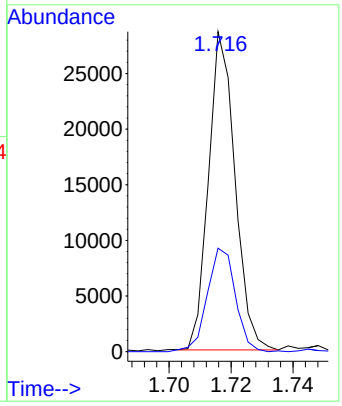




#13
Ethanol
Concen: 7.973 ppbv
RT: 1.716 min Scan# 5(
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 45 Resp: 1697(

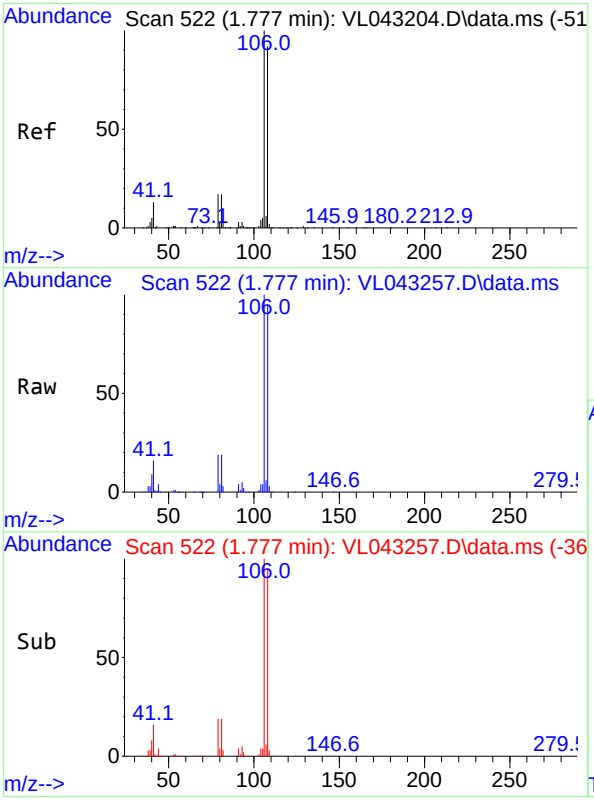
Ion	Ratio	Lower	Upper
45	100		
46	34.5	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

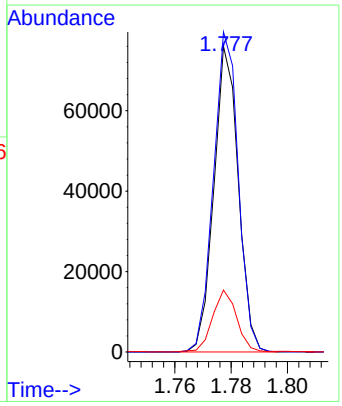
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

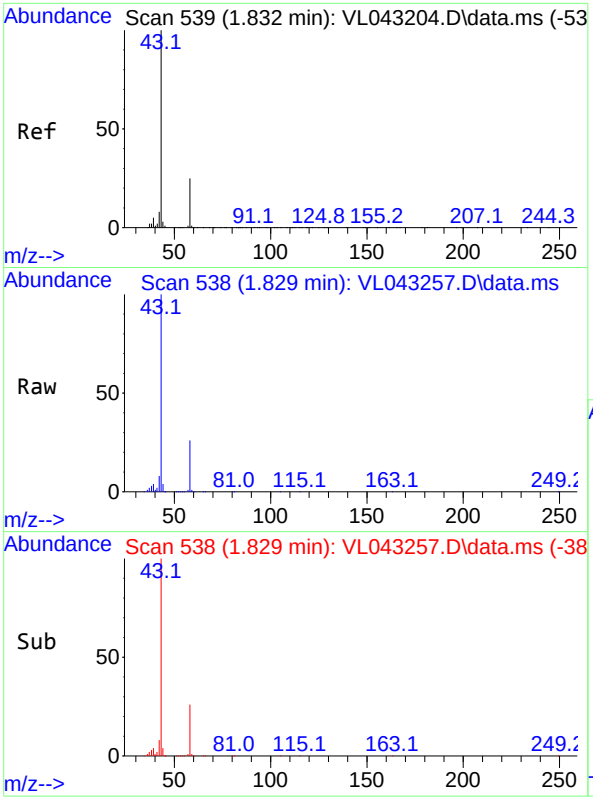


#14
Bromoethene
Concen: 10.897 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:108 Resp: 45797

Ion	Ratio	Lower	Upper
108	100		
106	106.5	88.9	133.3
79	20.6	16.5	24.7

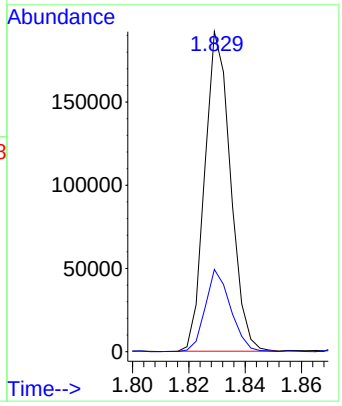




#15
Acetone
Concen: 8.547 ppbv
RT: 1.829 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 12202

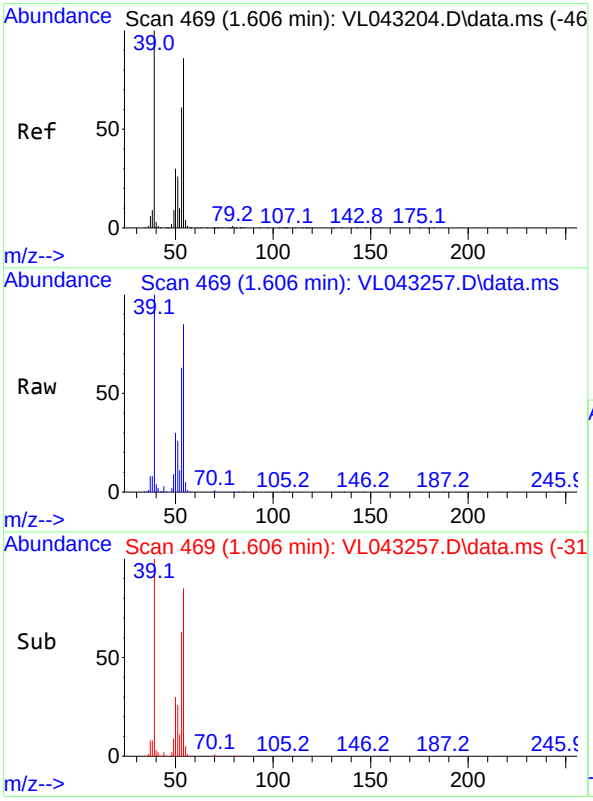
Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

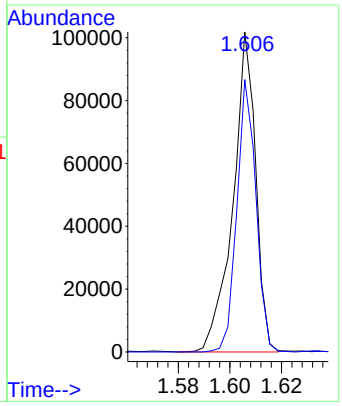
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

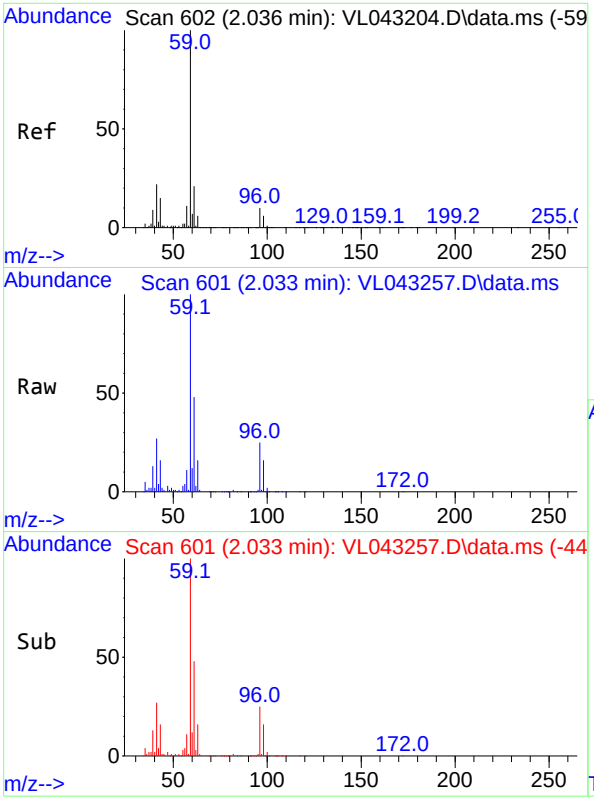


#16
1,3-Butadiene
Concen: 9.794 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 39 Resp: 62334

Ion	Ratio	Lower	Upper
39	100		
54	71.9	59.4	89.2

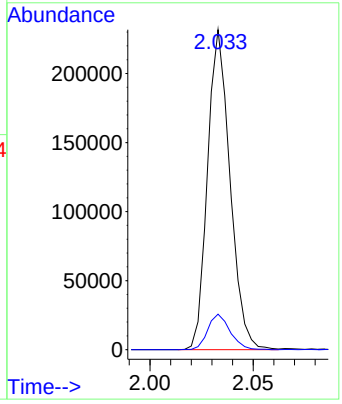




#17
tert-Butyl alcohol
Concen: 9.372 ppbv
RT: 2.033 min Scan# 6(
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 59 Resp: 17562(

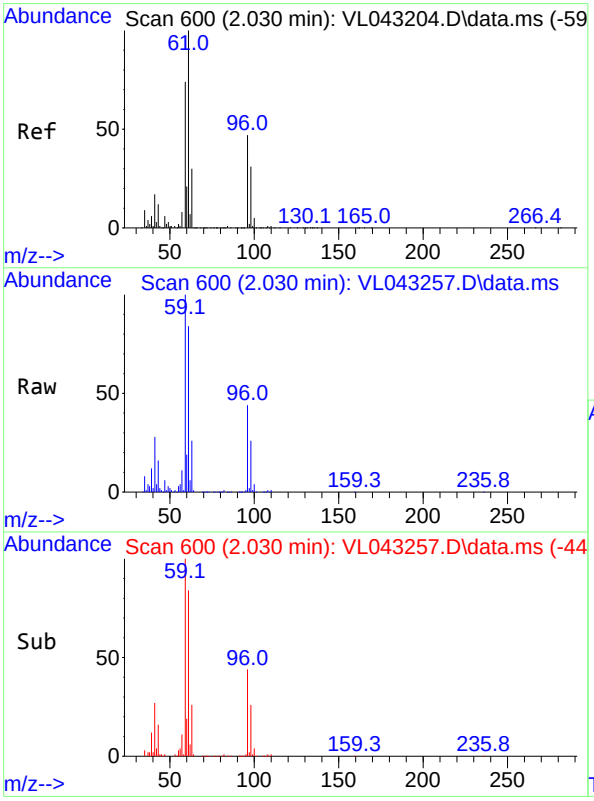
Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

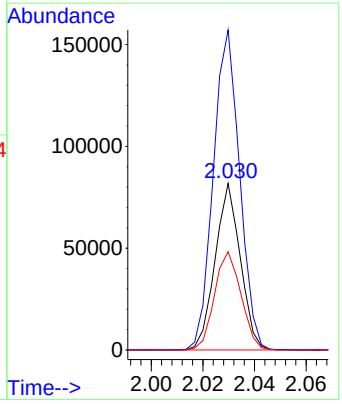
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

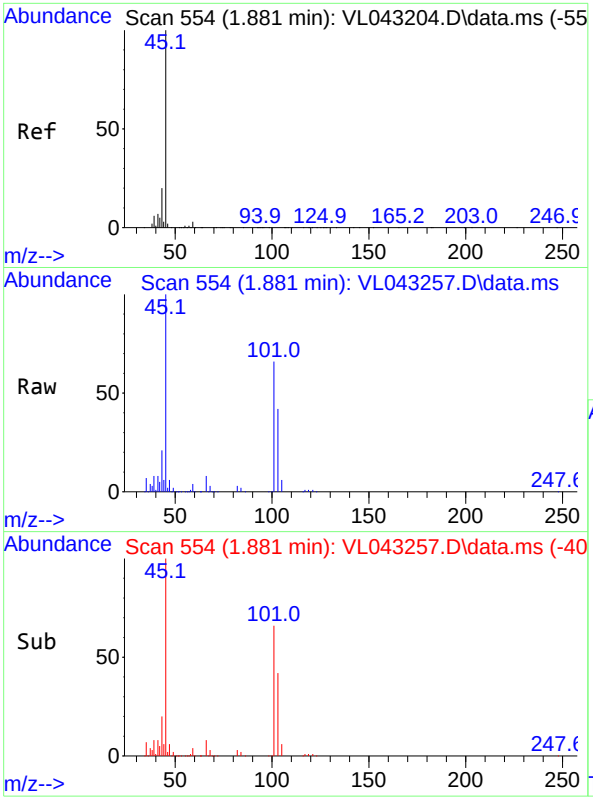


#18
1,1-Dichloroethene
Concen: 10.857 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 96 Resp: 55419

Ion	Ratio	Lower	Upper
96	100		
61	192.0	170.6	255.8
98	58.9	52.2	78.4

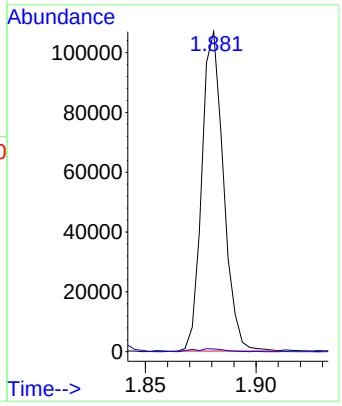




#19
Isopropyl Alcohol
Concen: 8.996 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 45 Resp: 7257

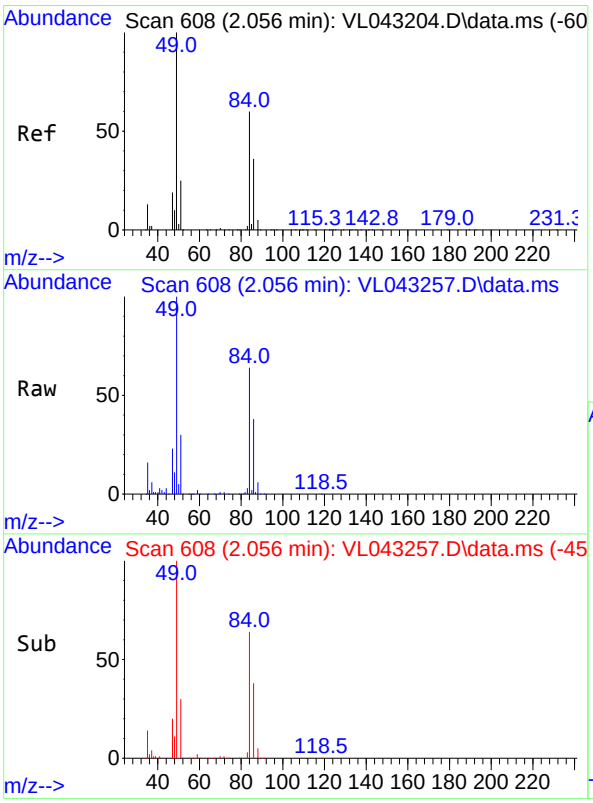
Ion	Ratio	Lower	Upper
45	100		
58	43.1	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

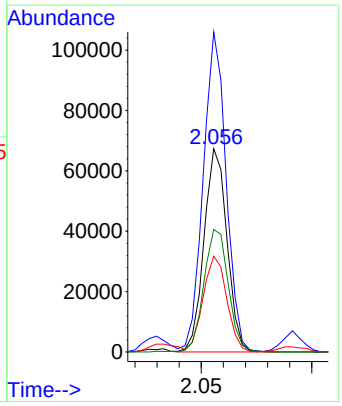
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

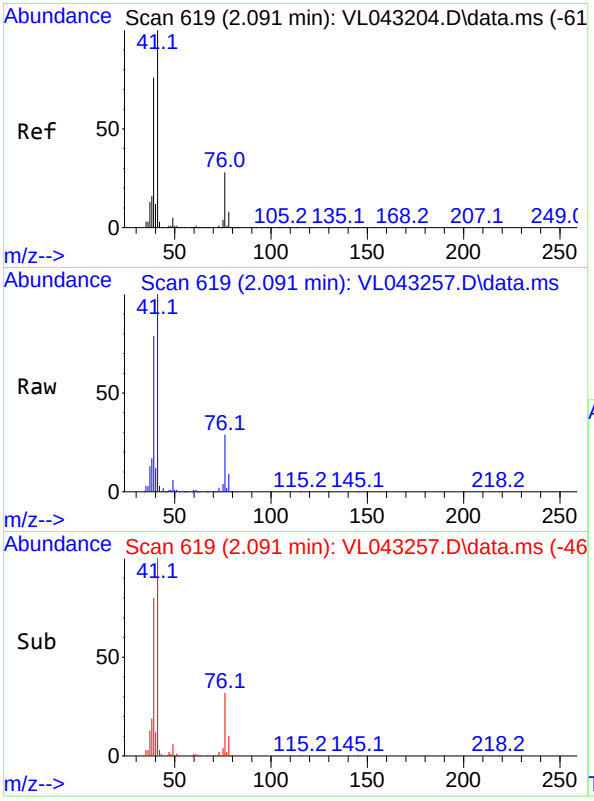


#20
Methylene Chloride
Concen: 11.659 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 84 Resp: 48499

Ion	Ratio	Lower	Upper
84	100		
49	155.9	132.9	199.3
51	45.7	34.8	52.2
86	60.2	48.2	72.2

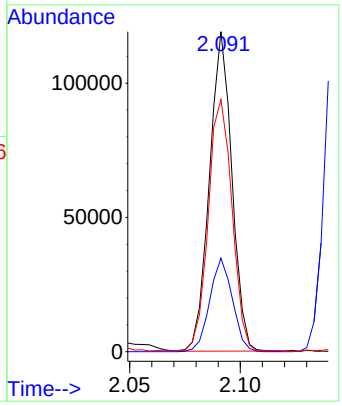




#21
Allyl Chloride
Concen: 8.720 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 41 Resp: 8376

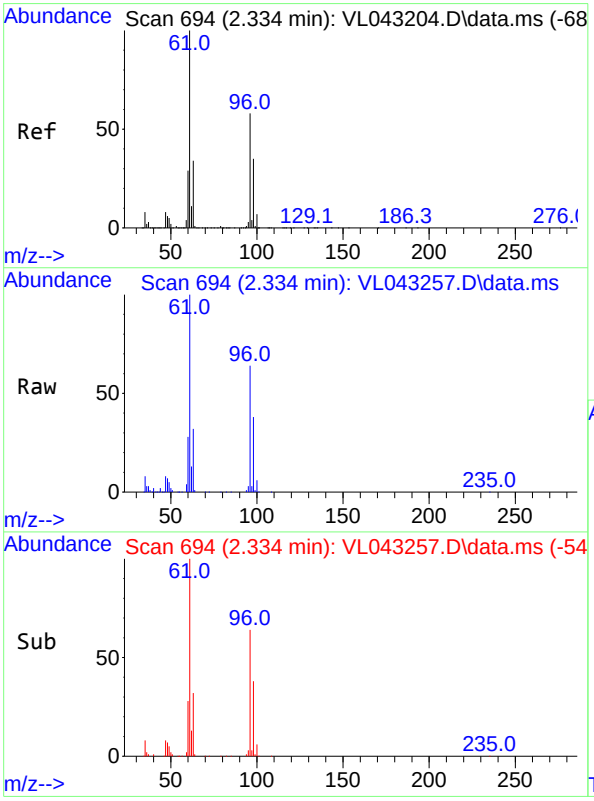
Ion	Ratio	Lower	Upper
41	100		
76	29.6	22.1	33.1
39	83.6	61.0	91.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

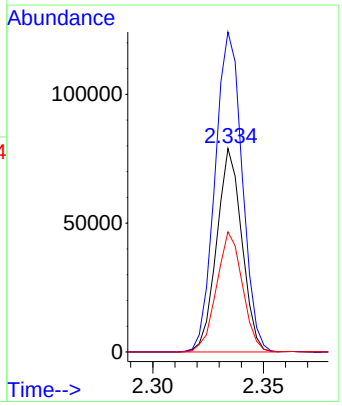
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

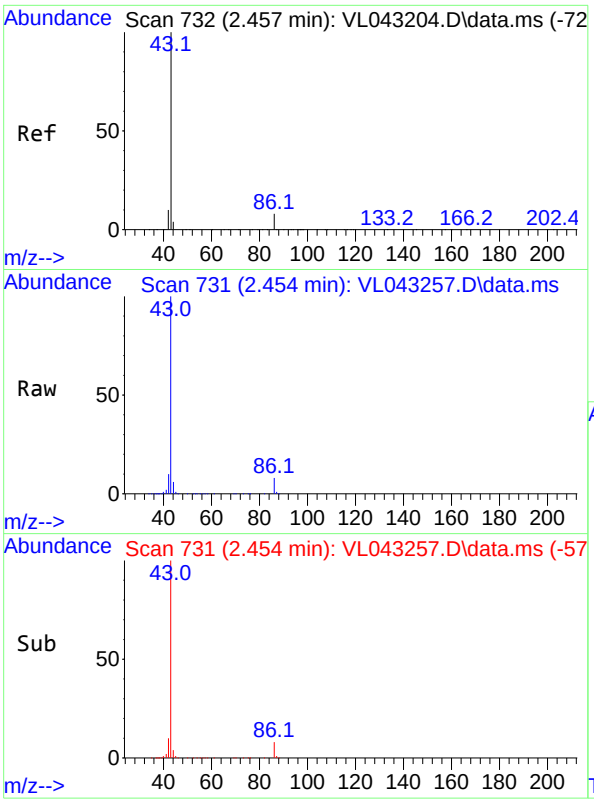


#22
trans-1,2-Dichloroethene
Concen: 10.711 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 96 Resp: 62490

Ion	Ratio	Lower	Upper
96	100		
61	157.2	139.0	208.6
98	59.1	49.4	74.2

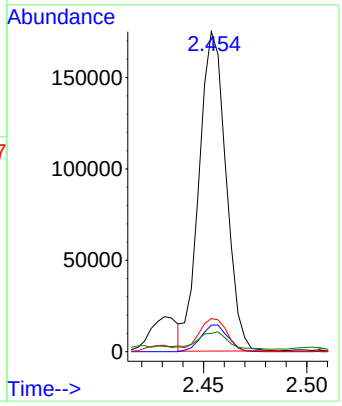




#23
Vinyl Acetate
Concen: 9.148 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 15767

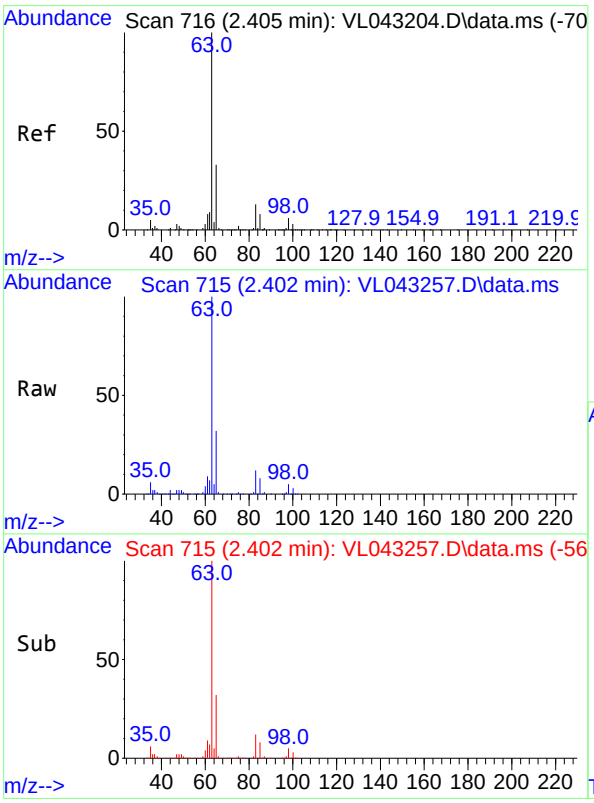
Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.2
42	10.2	8.0	12.0
44	4.8	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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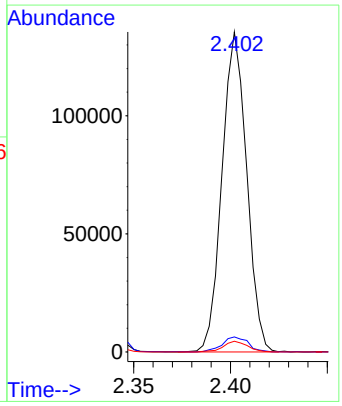
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

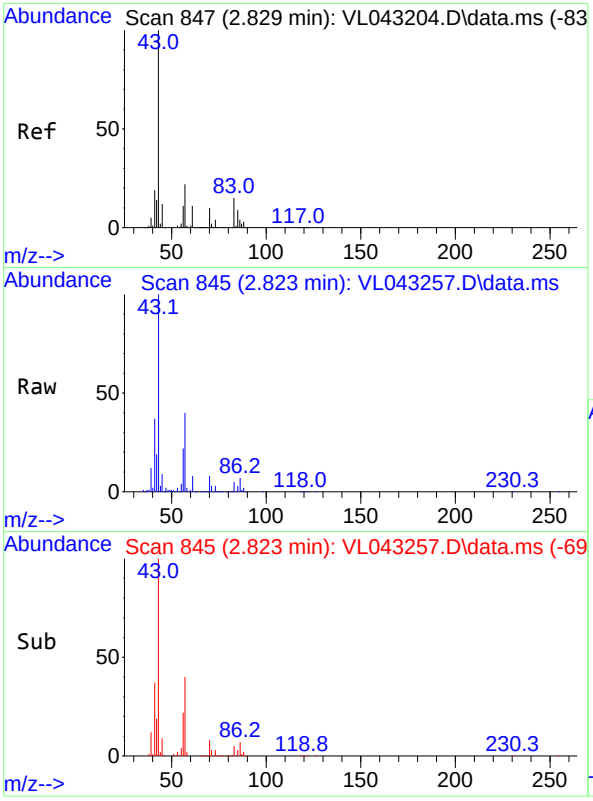


#24
1,1-Dichloroethane
Concen: 10.625 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 63 Resp: 119663

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.8	8.4
100	3.4	1.3	3.9

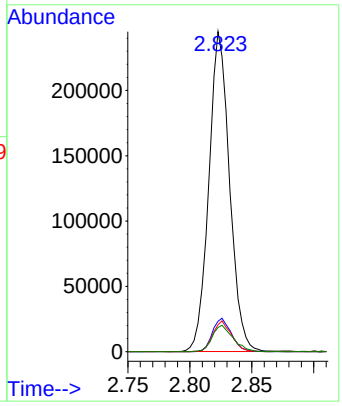




#25
Ethyl Acetate
Concen: 9.287 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 28597

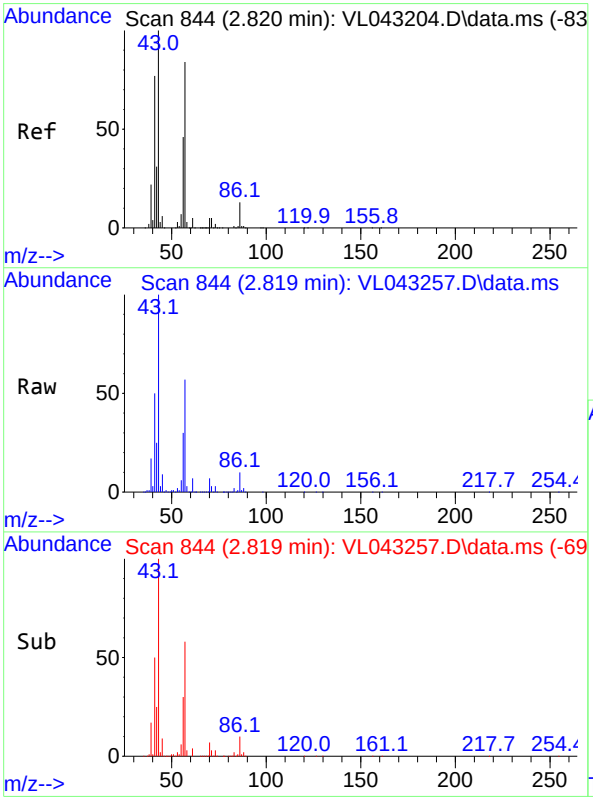
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.7	7.0	10.4
70	8.3	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

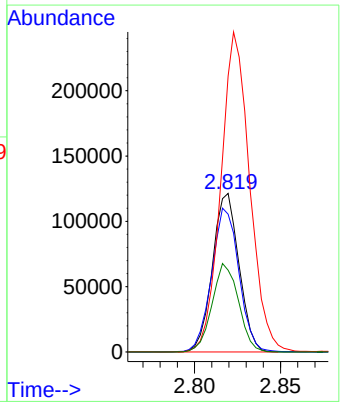
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

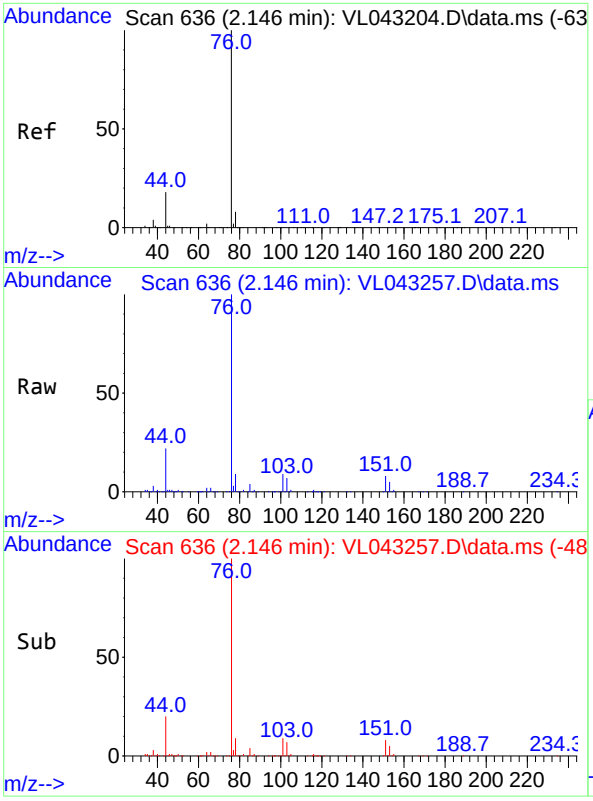


#26
Hexane
Concen: 9.630 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 57 Resp: 130004

Ion	Ratio	Lower	Upper
57	100		
41	94.0	74.6	111.8
43	220.7	179.0	268.4
56	55.6	42.3	63.5

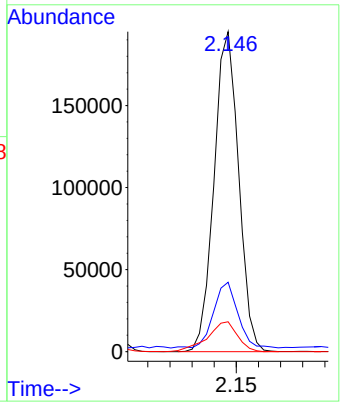




#27
Carbon Disulfide
Concen: 10.920 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 76 Resp: 15049

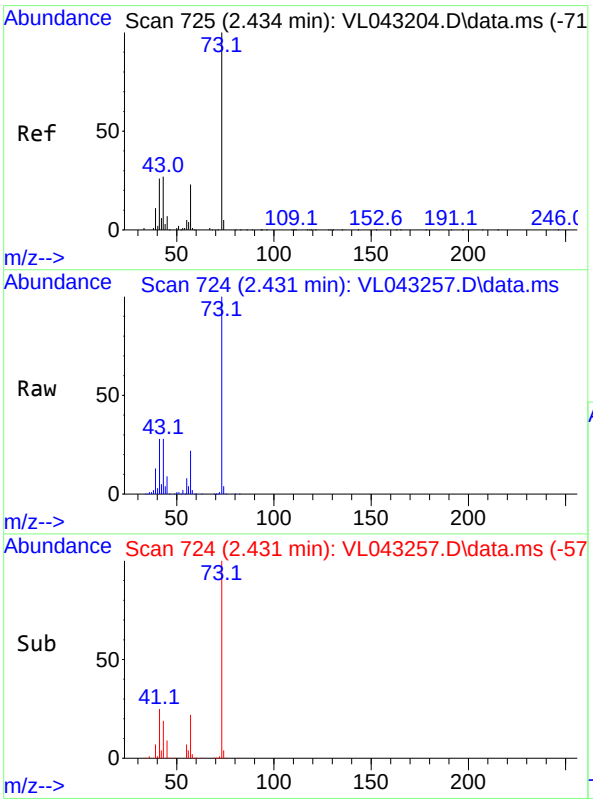
Ion	Ratio	Lower	Upper
76	100		
44	20.6	16.1	24.1
78	11.4	9.6	14.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

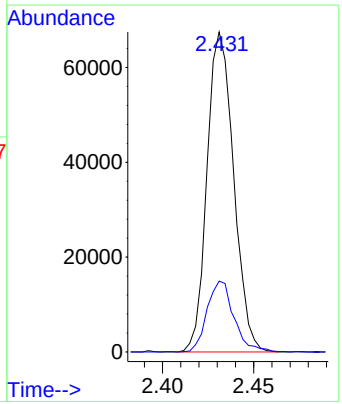
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

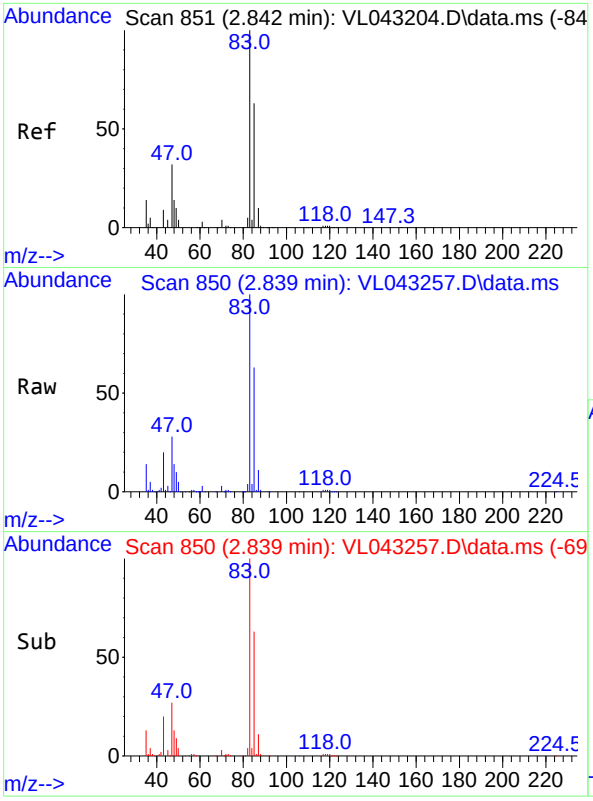


#28
Methyl tert-Butyl Ether
Concen: 10.352 ppbv
RT: 2.431 min Scan# 724
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 73 Resp: 68600

Ion	Ratio	Lower	Upper
73	100		
57	22.4	19.8	29.8

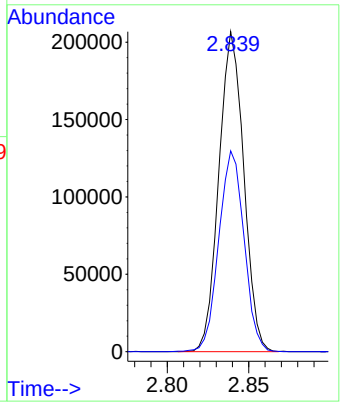




#29
Chloroform
Concen: 11.429 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 83 Resp: 21929

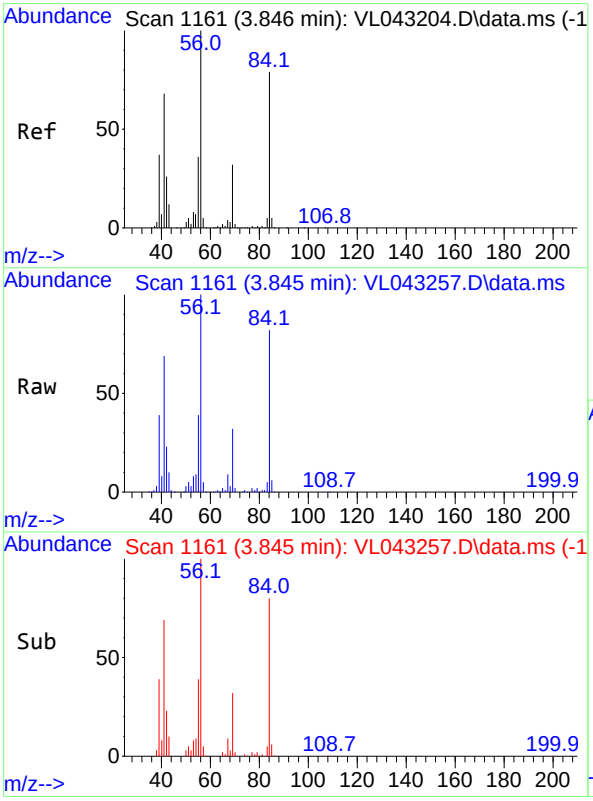
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.5	75.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

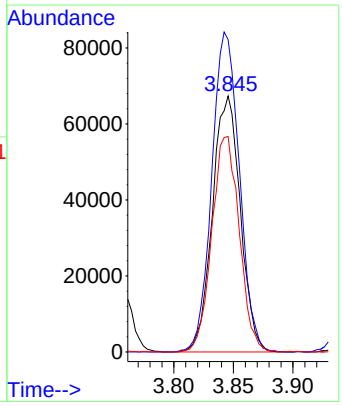
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

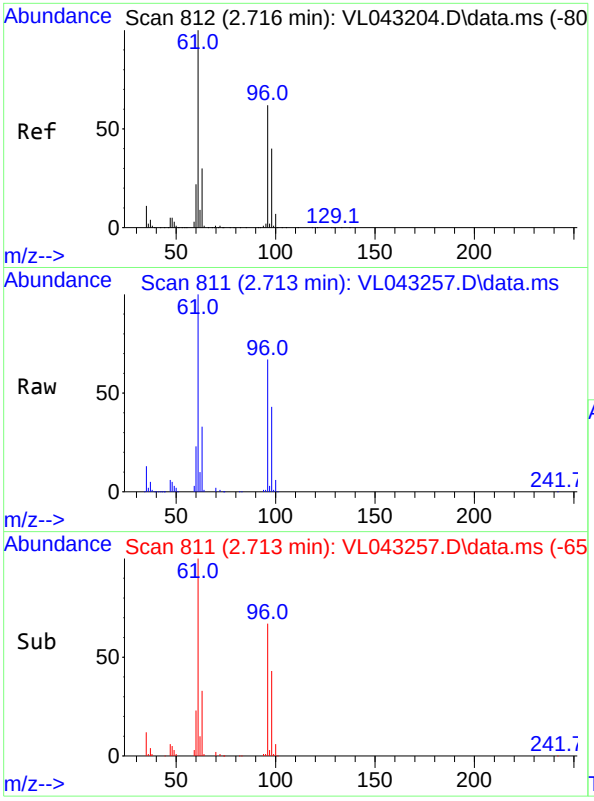


#30
Cyclohexane
Concen: 9.685 ppbv
RT: 3.845 min Scan# 1161
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 84 Resp: 109617

Ion	Ratio	Lower	Upper
84	100		
56	123.4	104.7	157.1
41	82.9	69.0	103.6

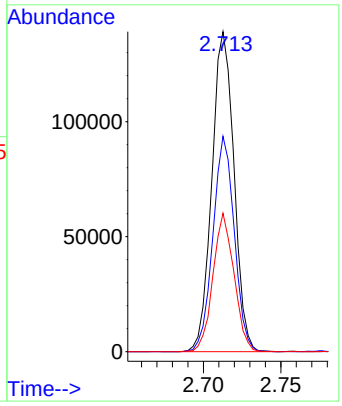




#31
cis-1,2-Dichloroethene
Concen: 10.277 ppbv
RT: 2.713 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 61 Resp: 13789

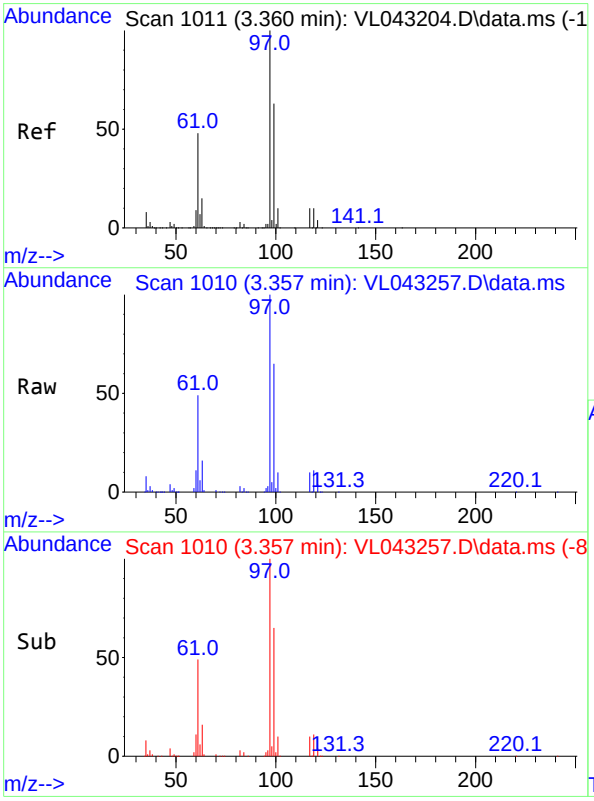
Ion	Ratio	Lower	Upper
61	100		
96	67.3	49.3	73.9
98	43.2	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

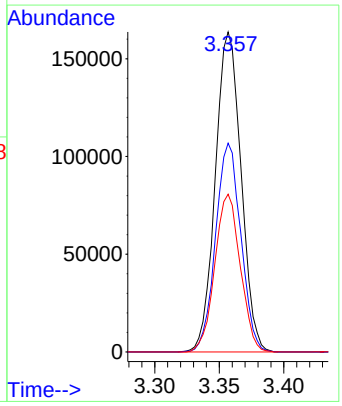
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

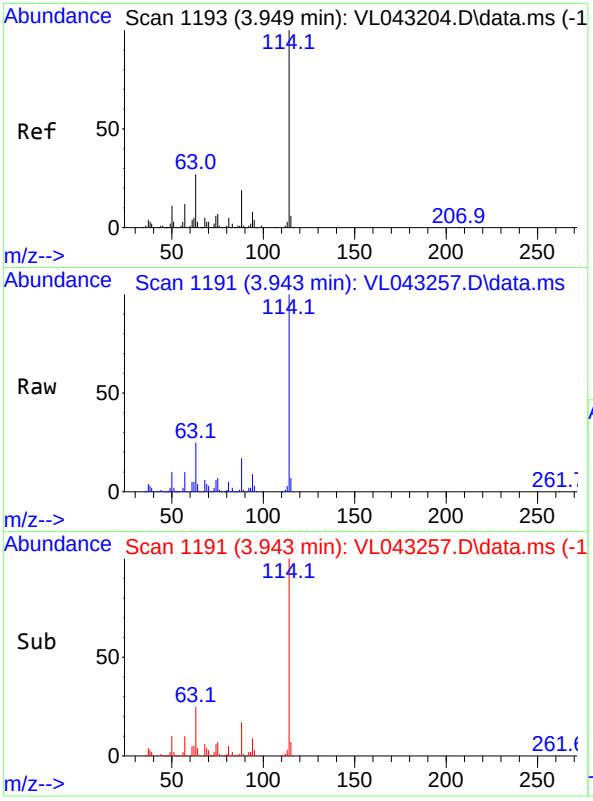


#32
1,1,1-Trichloroethane
Concen: 11.079 ppbv
RT: 3.357 min Scan# 1010
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 97 Resp: 226600

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.3	75.5
61	48.8	38.9	58.3

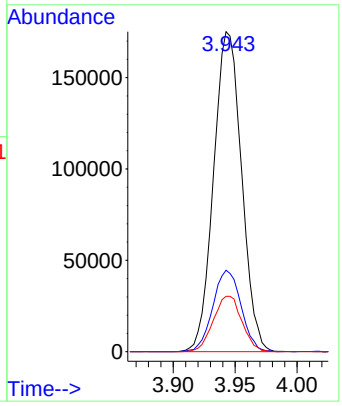




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.943 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:114 Resp: 27559

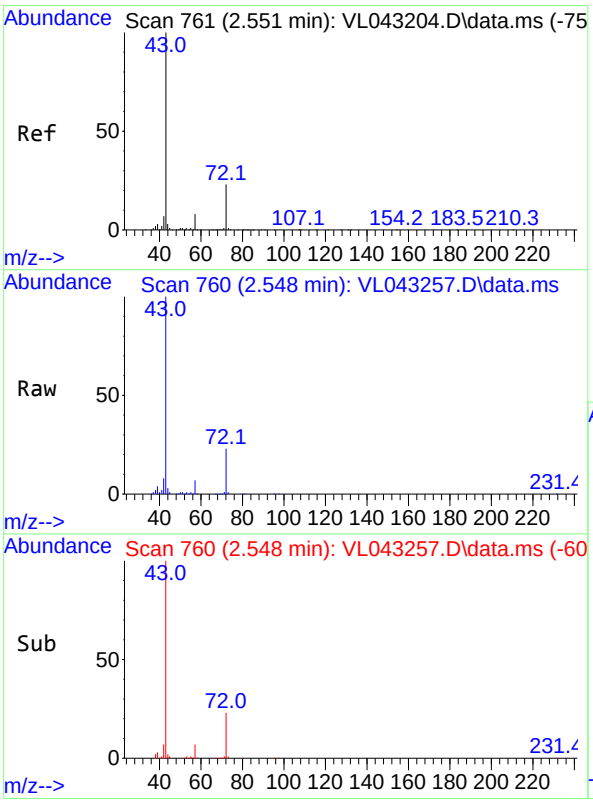
Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	17.7	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

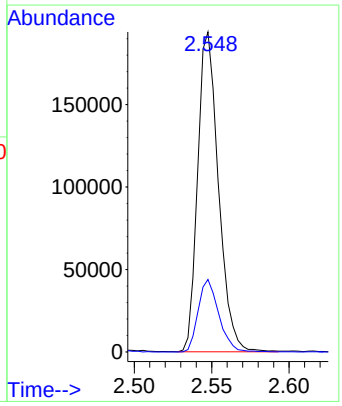
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

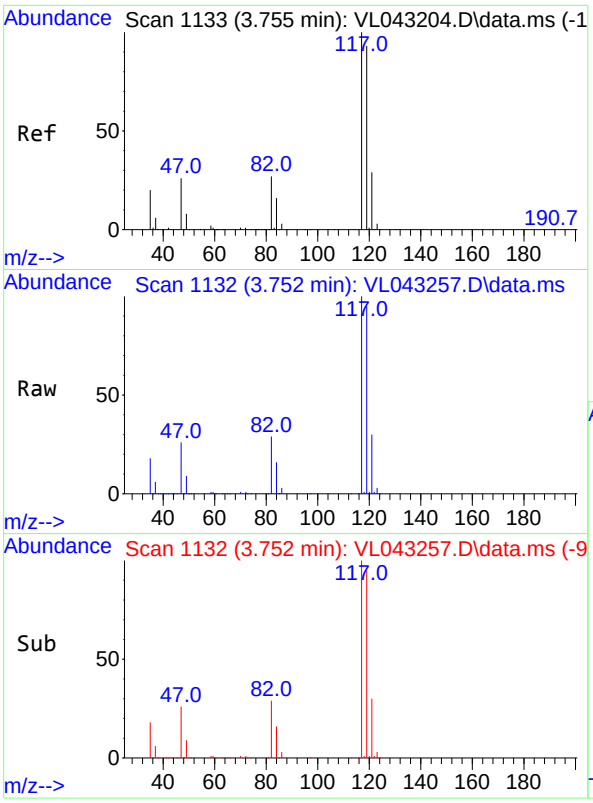


#34
2-Butanone
Concen: 9.303 ppbv
RT: 2.548 min Scan# 760
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 180979

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1

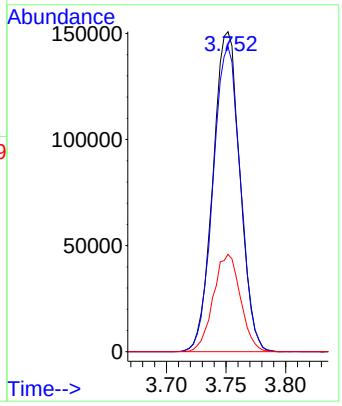




#35
Carbon Tetrachloride
Concen: 11.356 ppbv
RT: 3.752 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:117 Resp: 23754

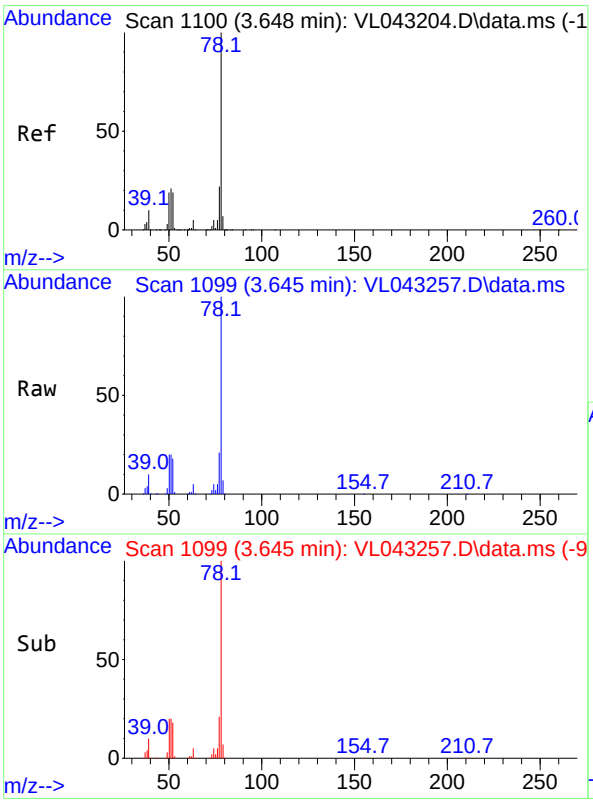
Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.6	112.0
121	30.4	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

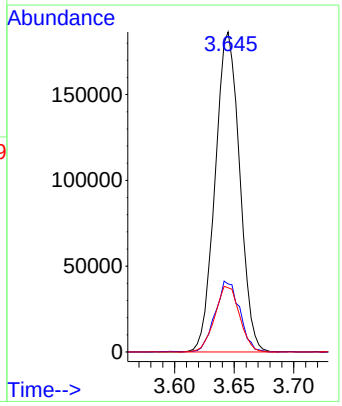
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

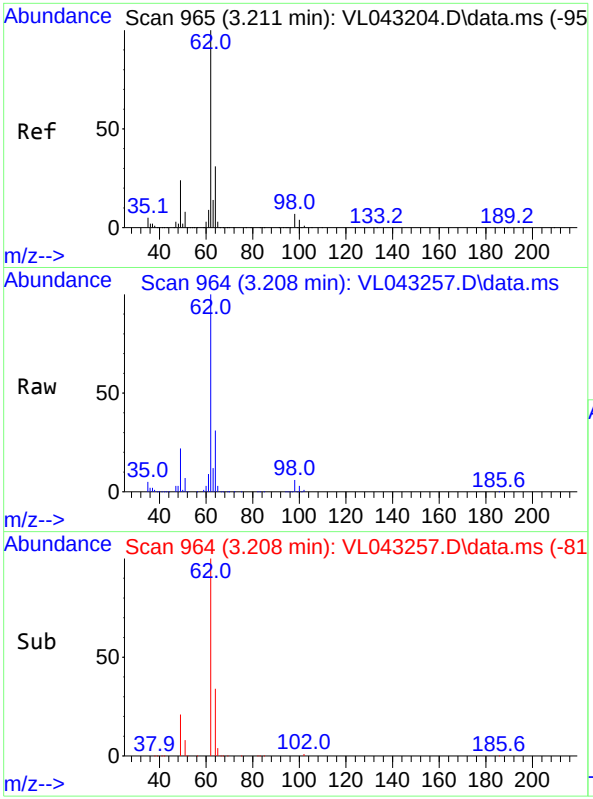


#36
Benzene
Concen: 10.078 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 78 Resp: 265981

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.5	26.3
50	20.0	15.5	23.3

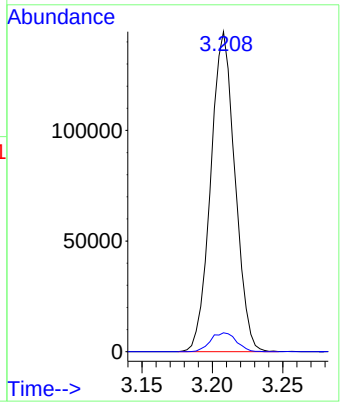




#37
1,2-Dichloroethane
Concen: 11.229 ppbv
RT: 3.208 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 62 Resp: 17334

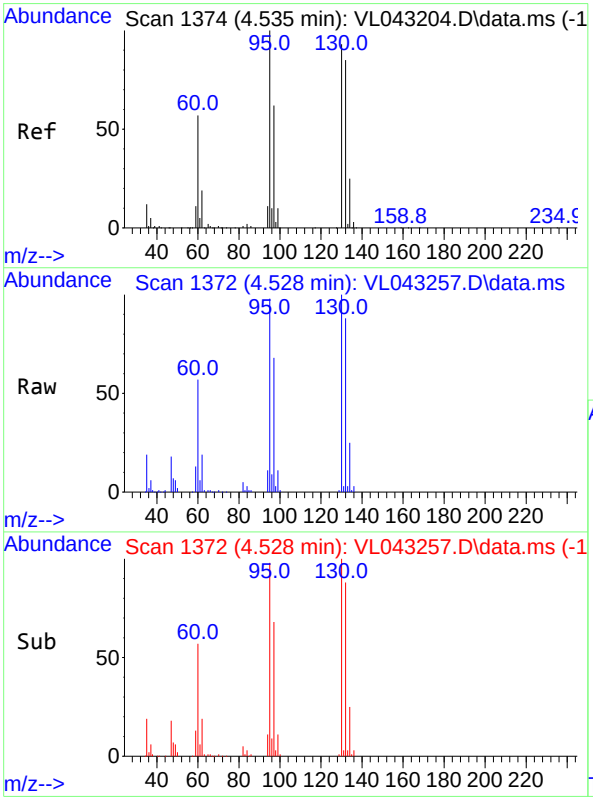
Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.5	8.3



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

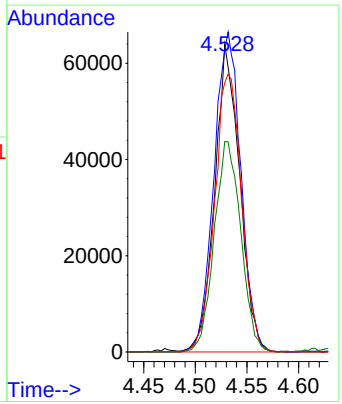
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

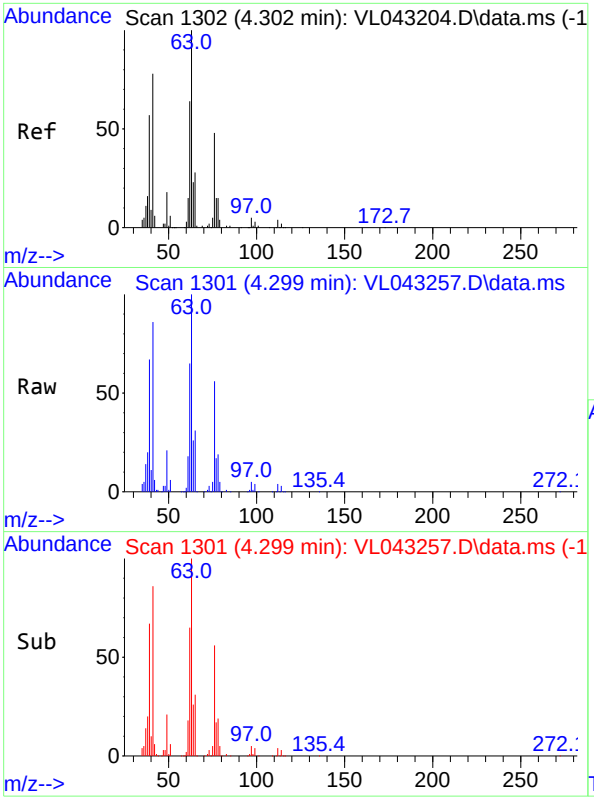


#38
Trichloroethene
Concen: 10.447 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:130 Resp: 107877

Ion	Ratio	Lower	Upper
130	100		
95	98.2	85.7	128.5
132	87.6	73.4	110.0
97	68.4	52.7	79.1

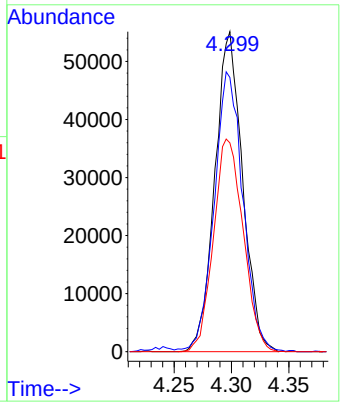




#39
1,2-Dichloropropane
Concen: 9.571 ppbv
RT: 4.299 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 63 Resp: 9245

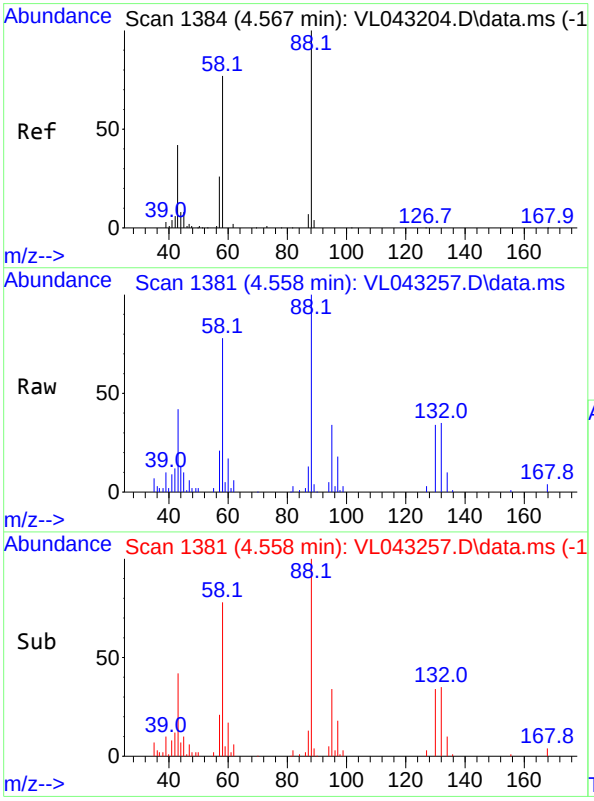
Ion	Ratio	Lower	Upper
63	100		
41	84.9	62.6	93.8
62	65.3	51.0	76.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

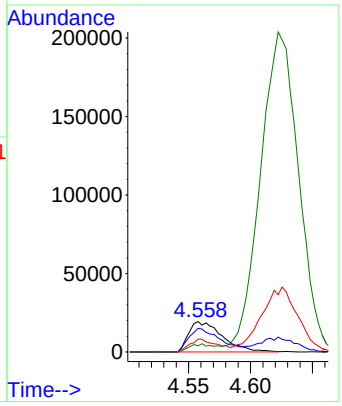
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

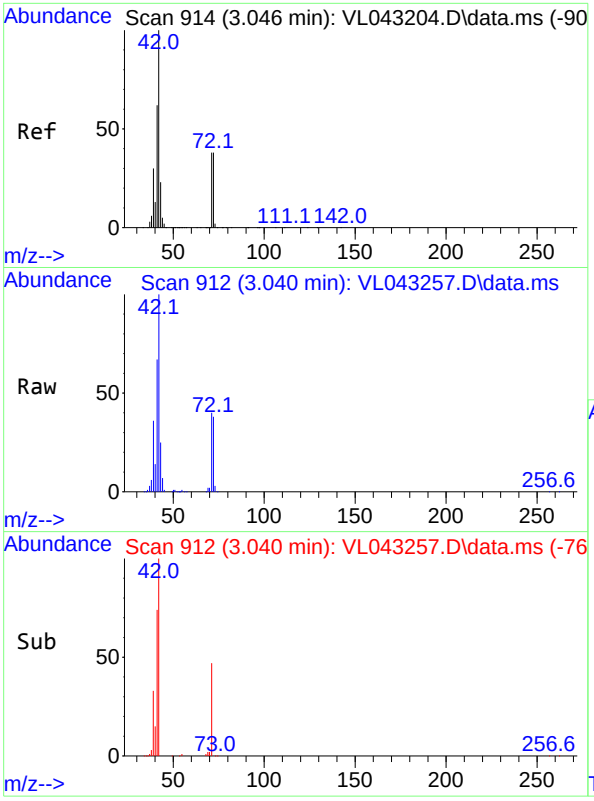


#40
1,4-Dioxane
Concen: 8.418 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 88 Resp: 36555

Ion	Ratio	Lower	Upper
88	100		
58	71.5	63.0	94.6
43	35.1	32.5	48.7
57	0.0	0.0	0.0

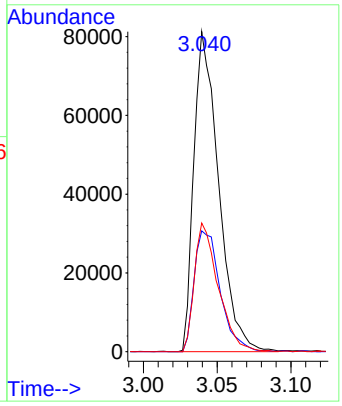




#41
Tetrahydrofuran
Concen: 8.822 ppbv
RT: 3.040 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 42 Resp: 9477

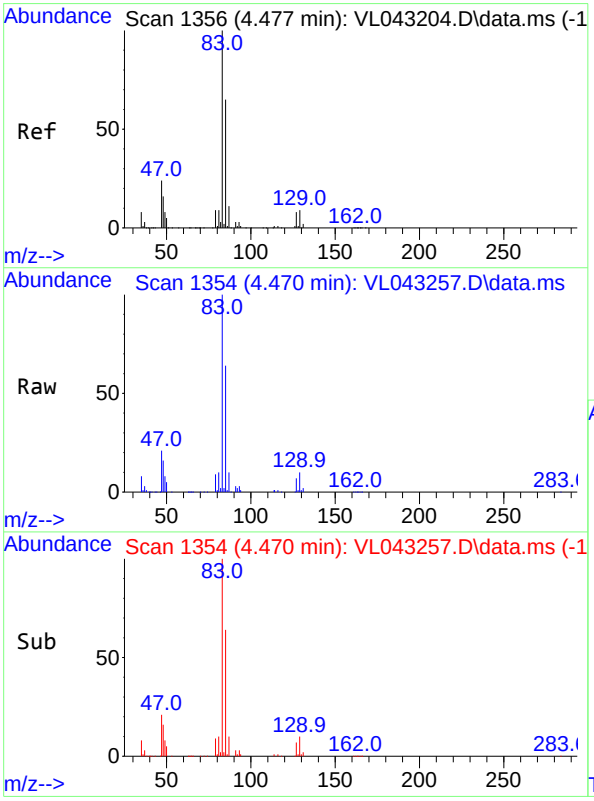
Ion	Ratio	Lower	Upper
42	100		
72	39.9	30.6	46.0
71	39.0	30.5	45.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

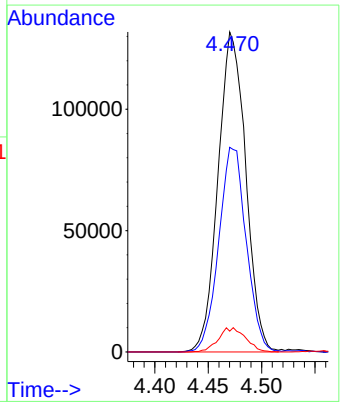
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

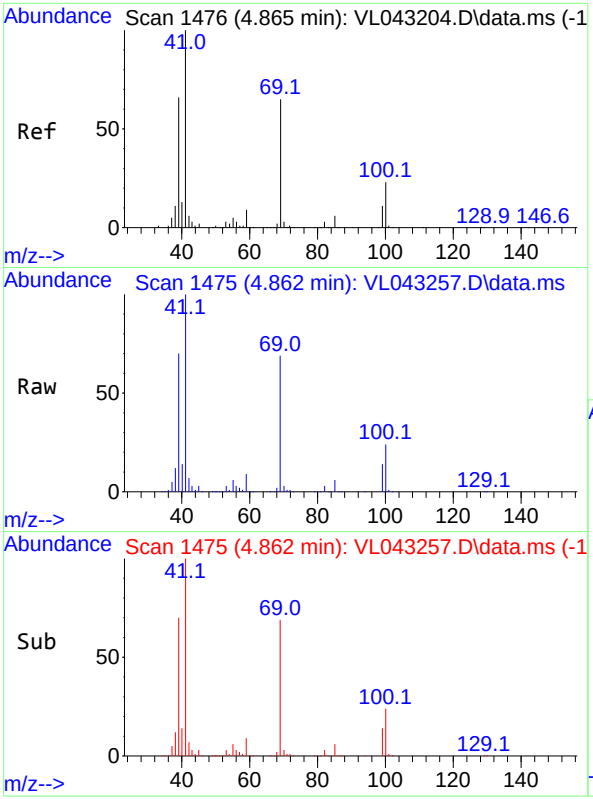


#42
Bromodichloromethane
Concen: 11.152 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 83 Resp: 237498

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.7	77.5
127	6.5	6.3	9.5

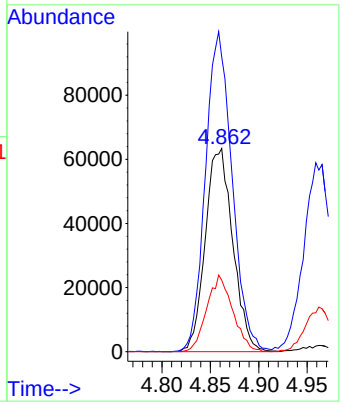




#43
Methyl Methacrylate
Concen: 8.957 ppbv
RT: 4.862 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 69 Resp: 12548

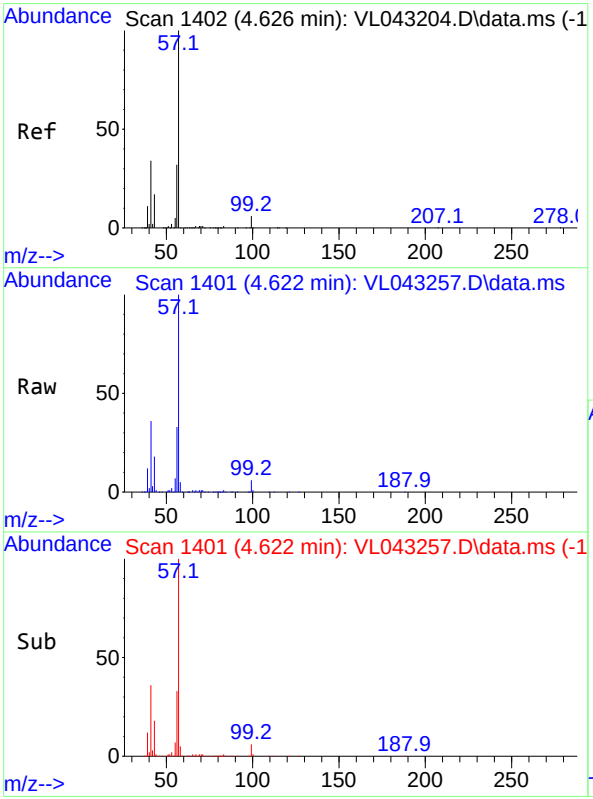
Ion	Ratio	Lower	Upper
69	100		
41	152.5	126.7	190.1
100	35.4	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

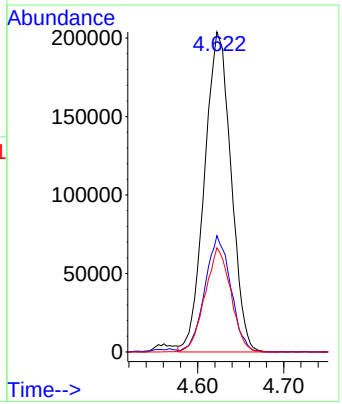
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

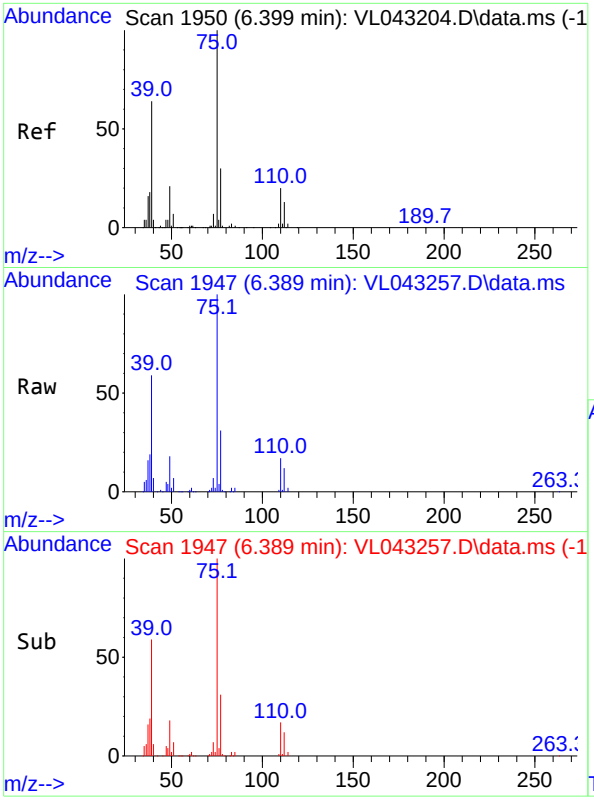


#44
2,2,4-Trimethylpentane
Concen: 9.643 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 57 Resp: 437108

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.0	42.0
56	31.7	25.6	38.4

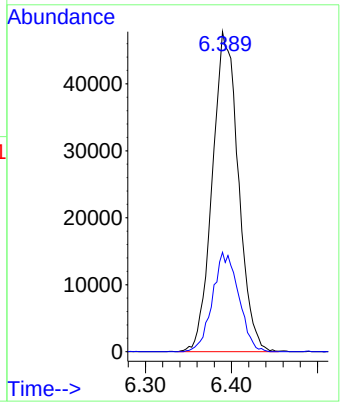




#45
t-1,3-Dichloropropene
Concen: 7.675 ppbv
RT: 6.389 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 75 Resp: 10023

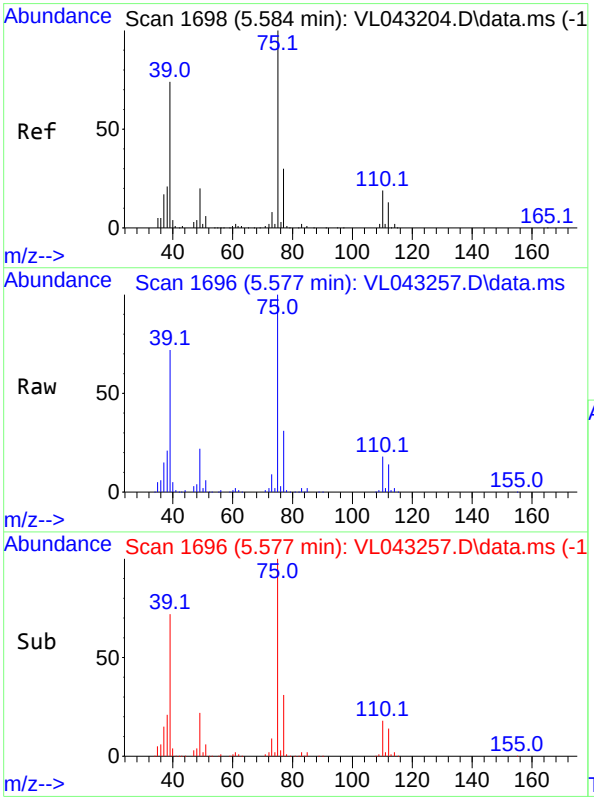
Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

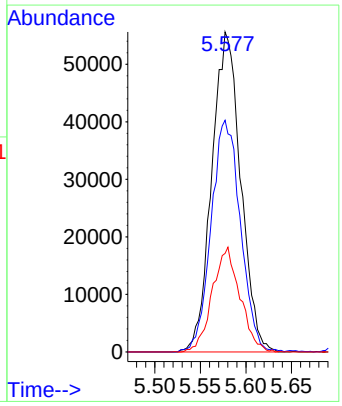
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

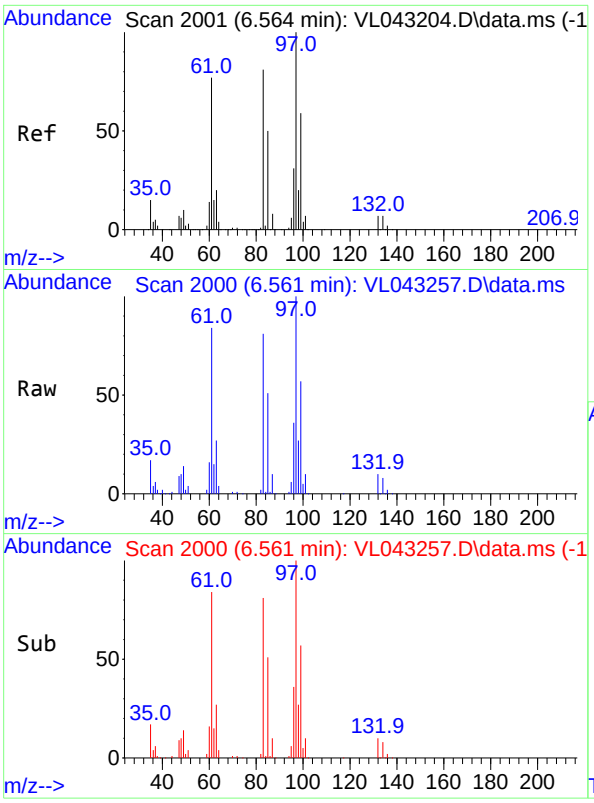


#46
cis-1,3-Dichloropropene
Concen: 7.989 ppbv
RT: 5.577 min Scan# 1696
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 75 Resp: 122504

Ion	Ratio	Lower	Upper
75	100		
39	72.3	59.1	88.7
77	30.8	24.2	36.2

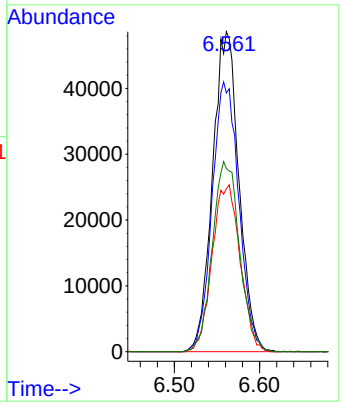




#47
1,1,2-Trichloroethane
Concen: 10.190 ppbv m
RT: 6.561 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 97 Resp: 10446

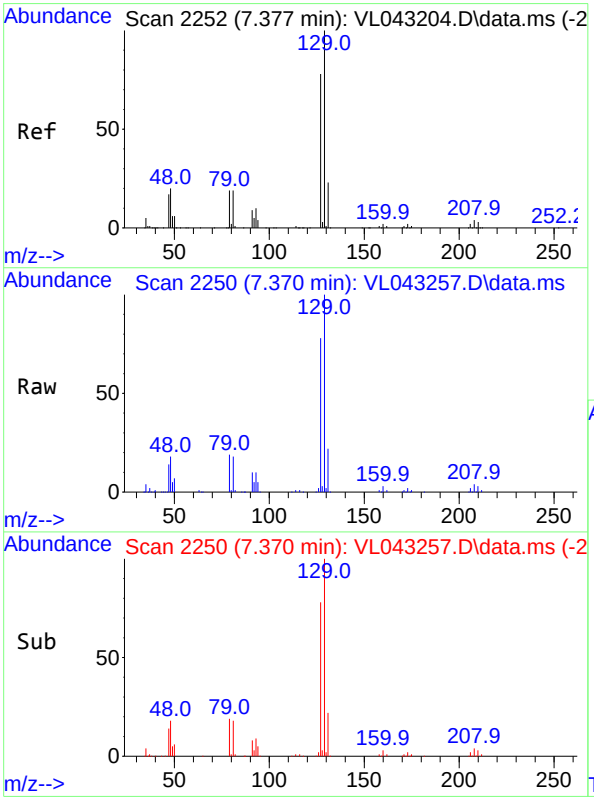
Ion	Ratio	Lower	Upper
97	100		
83	80.8	64.6	97.0
85	50.9	39.4	59.2
99	57.3	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

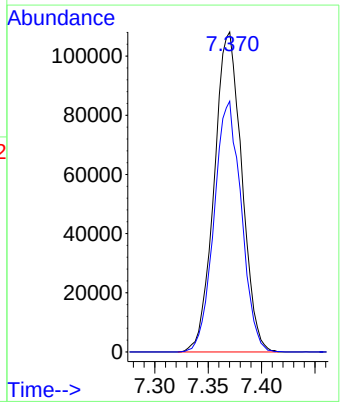
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

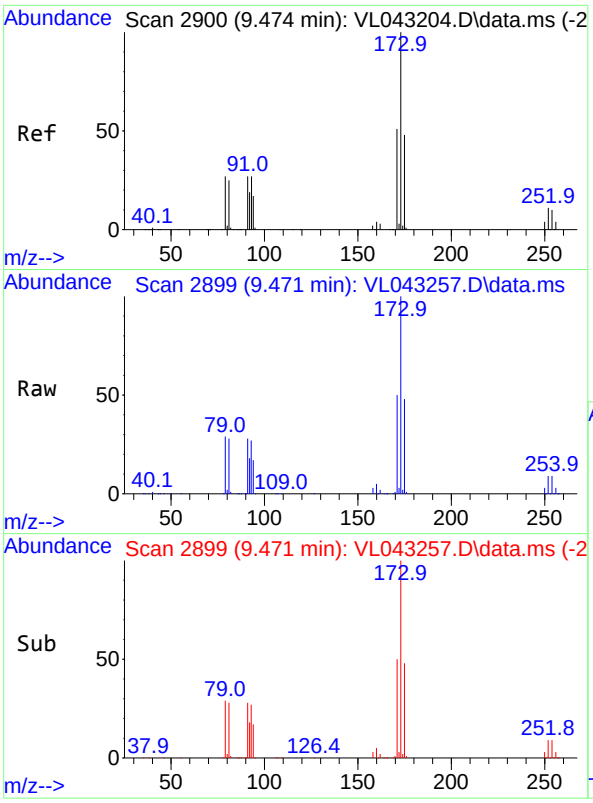


#48
Dibromochloromethane
Concen: 10.997 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:129 Resp: 193819

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.3	117.9

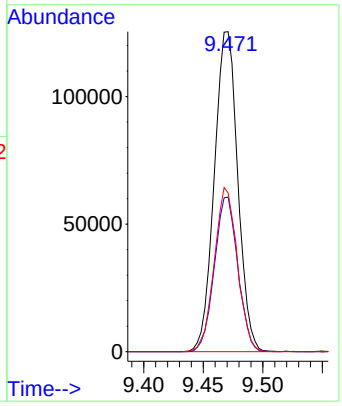




#49
Bromoform
Concen: 10.994 ppbv
RT: 9.471 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:173 Resp: 17164

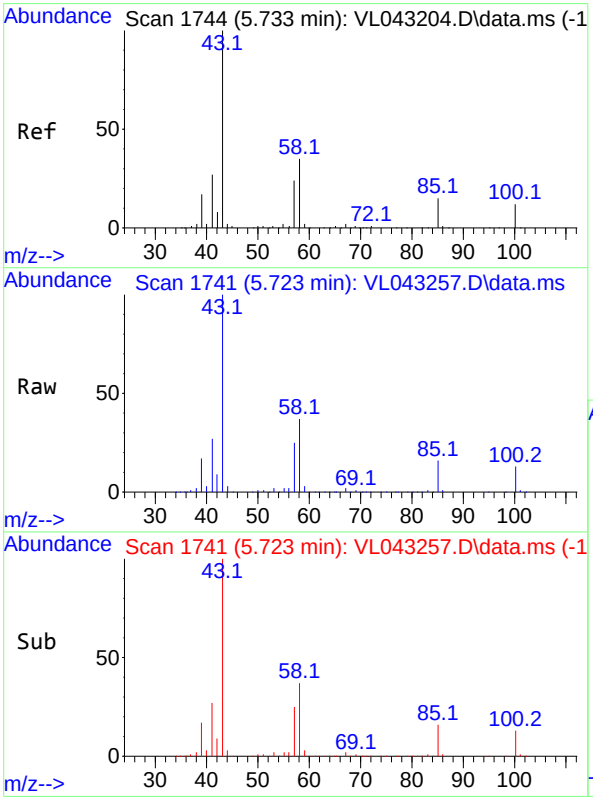
Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
171	50.3	40.6	61.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

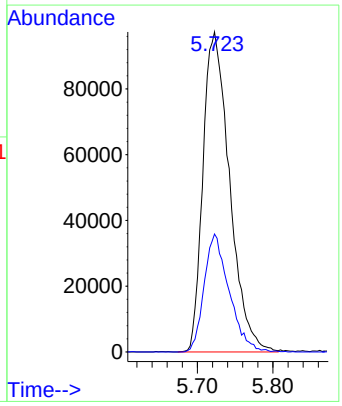
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

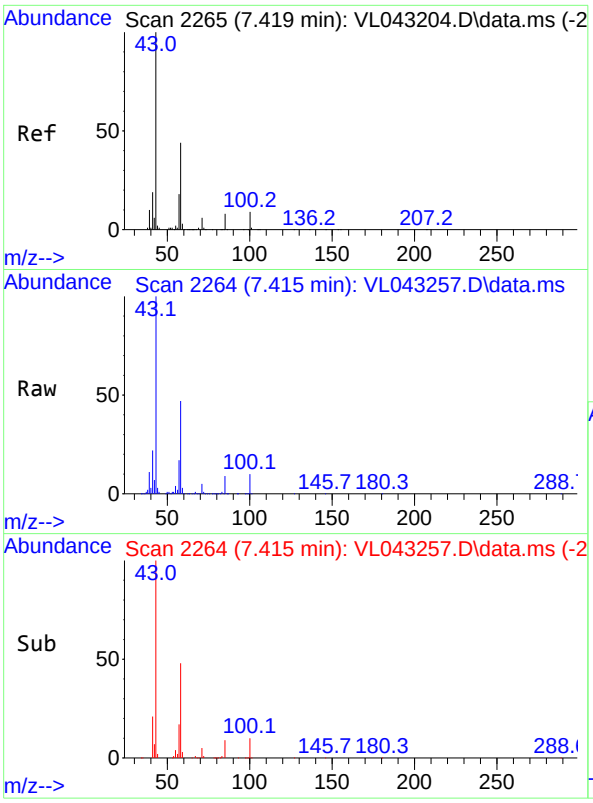


#50
4-Methyl-2-Pentanone
Concen: 8.688 ppbv
RT: 5.723 min Scan# 1741
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 238084

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.4	42.6

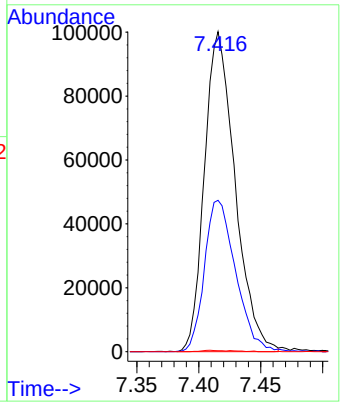




#51
2-Hexanone
Concen: 8.097 ppbv
RT: 7.415 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 17231

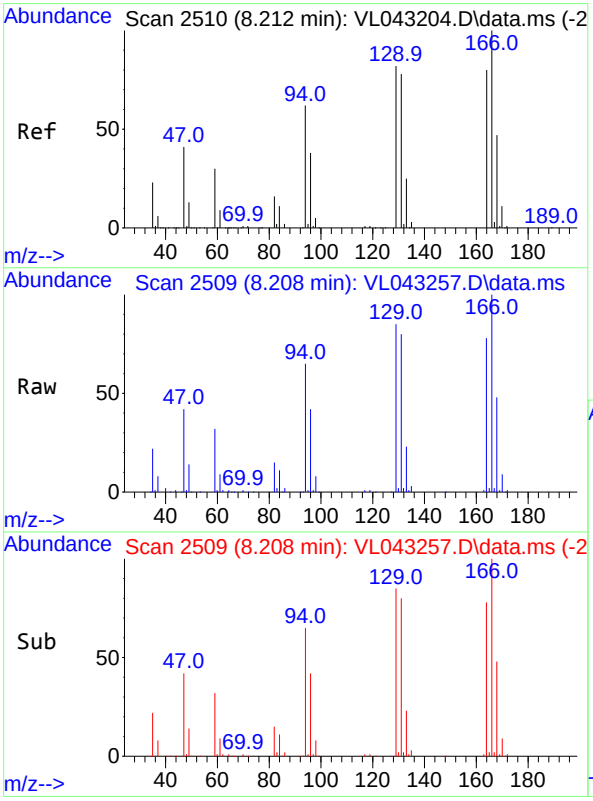
Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.4	57.6
98	0.4	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

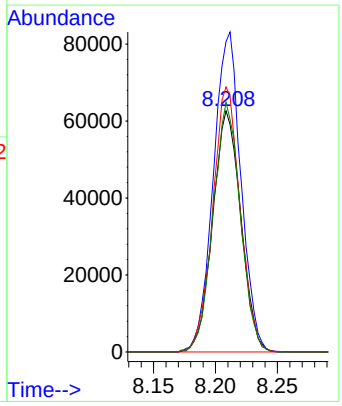
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

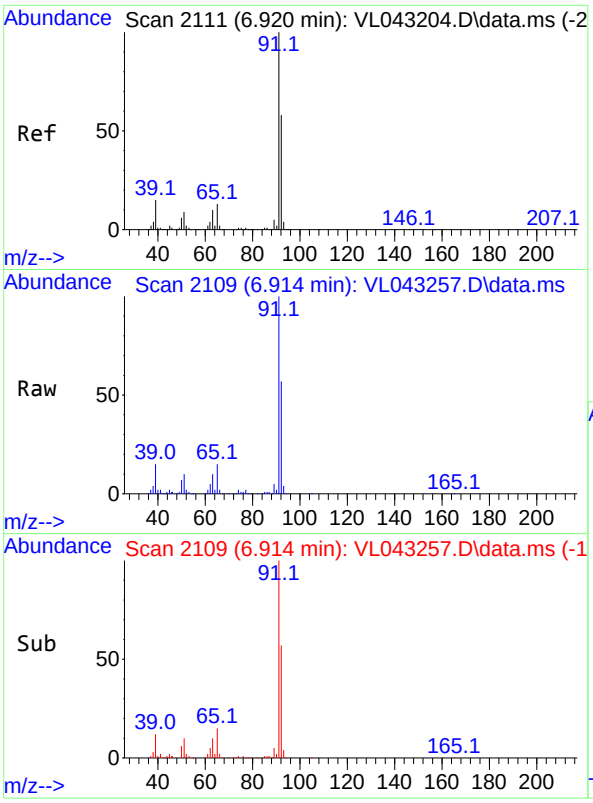


#52
Tetrachloroethene
Concen: 10.097 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:164 Resp: 99129

Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.4	149.2
129	109.9	81.8	122.8
131	103.5	77.4	116.2

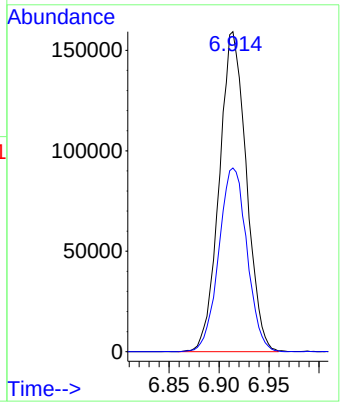




#53
Toluene
Concen: 9.604 ppbv
RT: 6.914 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 30015

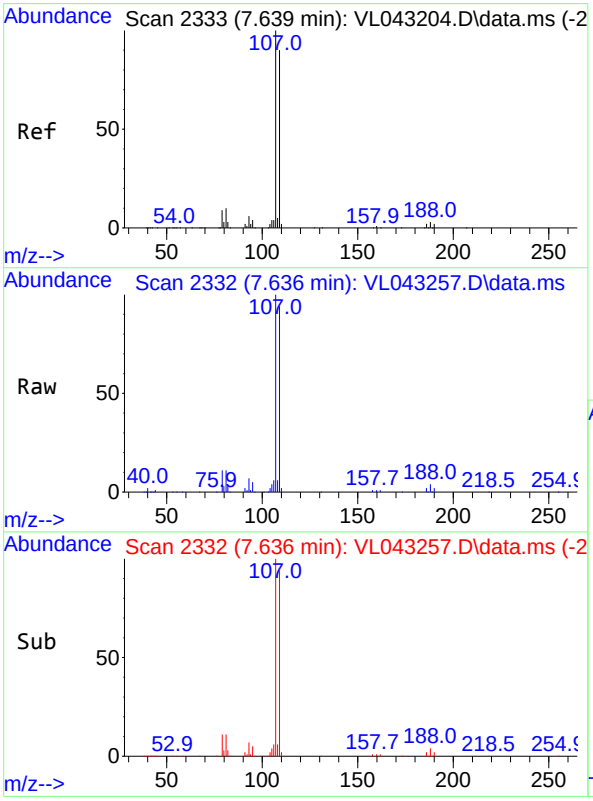
Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

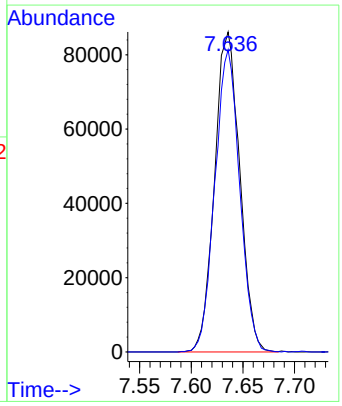
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

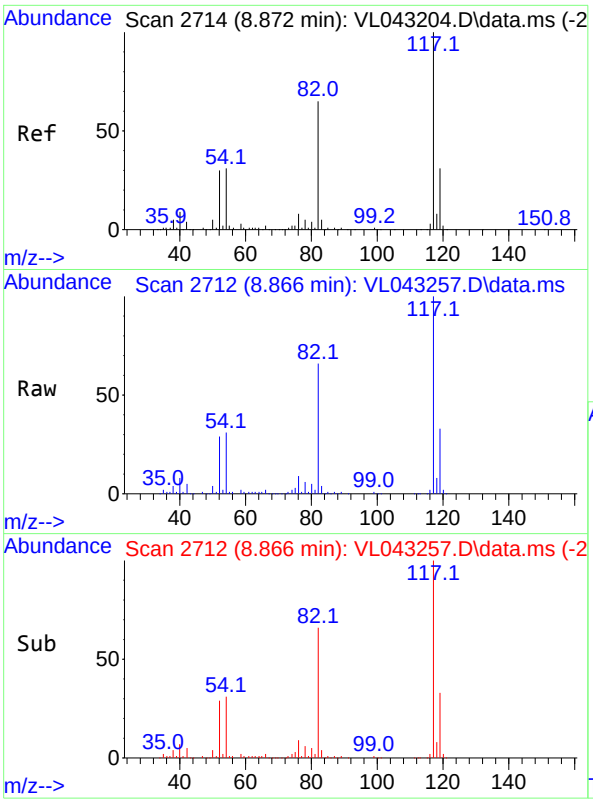


#54
1,2-Dibromoethane
Concen: 9.684 ppbv
RT: 7.636 min Scan# 2332
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:107 Resp: 146099

Ion	Ratio	Lower	Upper
107	100		
109	94.4	72.1	108.1

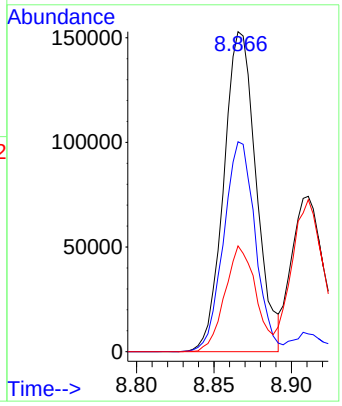




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:117 Resp: 22277

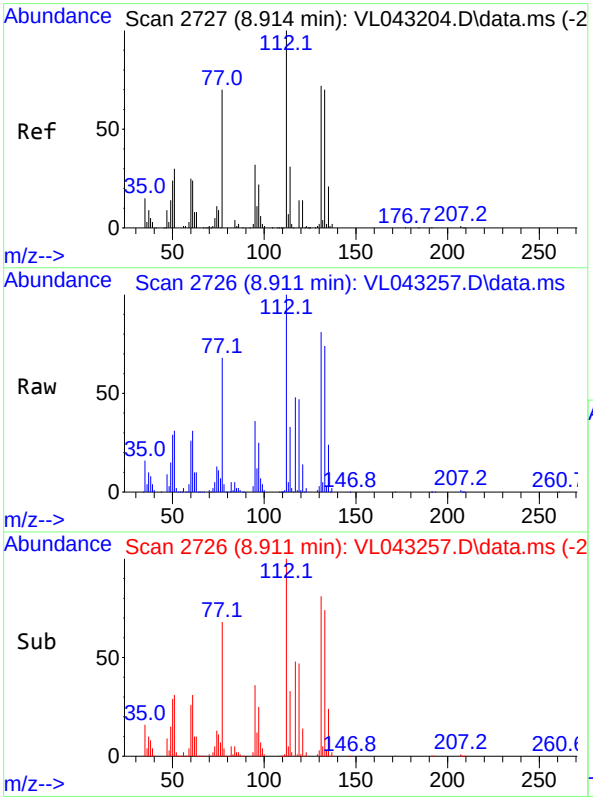
Ion	Ratio	Lower	Upper
117	100		
82	65.1	56.1	84.1
119	32.7	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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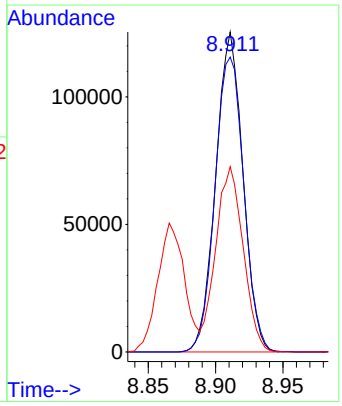
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

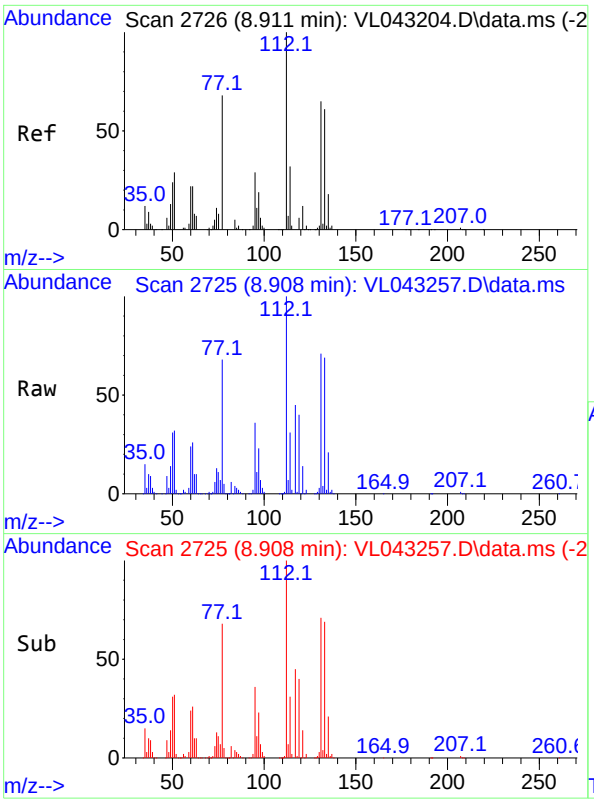


#56
1,1,1,2-Tetrachloroethane
Concen: 10.787 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:131 Resp: 176606

Ion	Ratio	Lower	Upper
131	100		
133	97.5	77.4	116.2
119	59.3	49.1	73.7

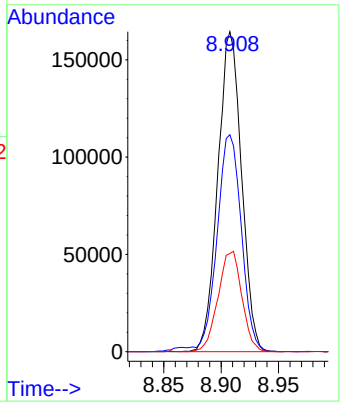




#57
Chlorobenzene
Concen: 10.333 ppbv
RT: 8.908 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:112 Resp: 23634

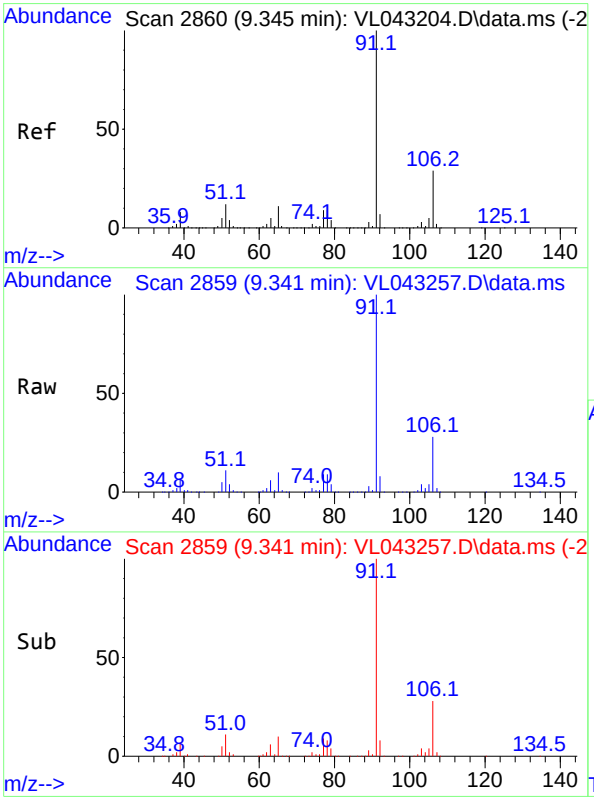
Ion	Ratio	Lower	Upper
112	100		
77	67.8	55.5	83.3
114	30.7	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

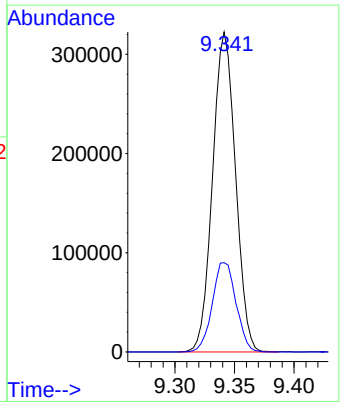
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

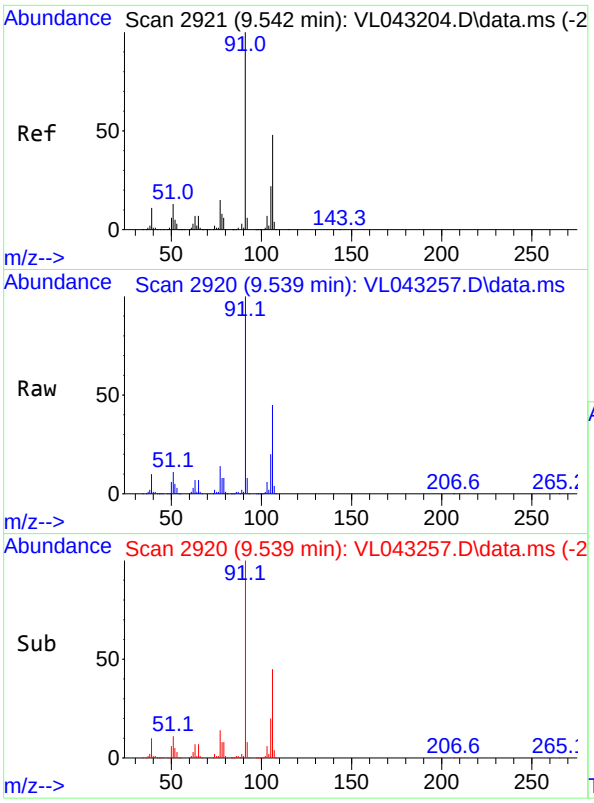


#58
Ethyl Benzene
Concen: 10.037 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 430385

Ion	Ratio	Lower	Upper
91	100		
106	27.9	22.8	34.2





#59
m/p-Xylene
Concen: 20.635 ppbv m
RT: 9.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

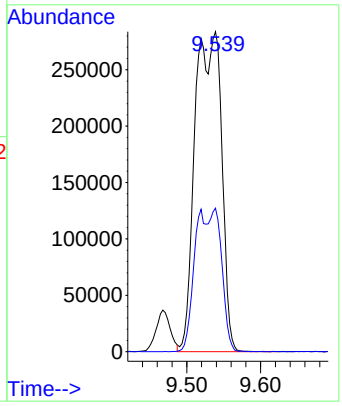
Tgt Ion: 91 Resp: 70937

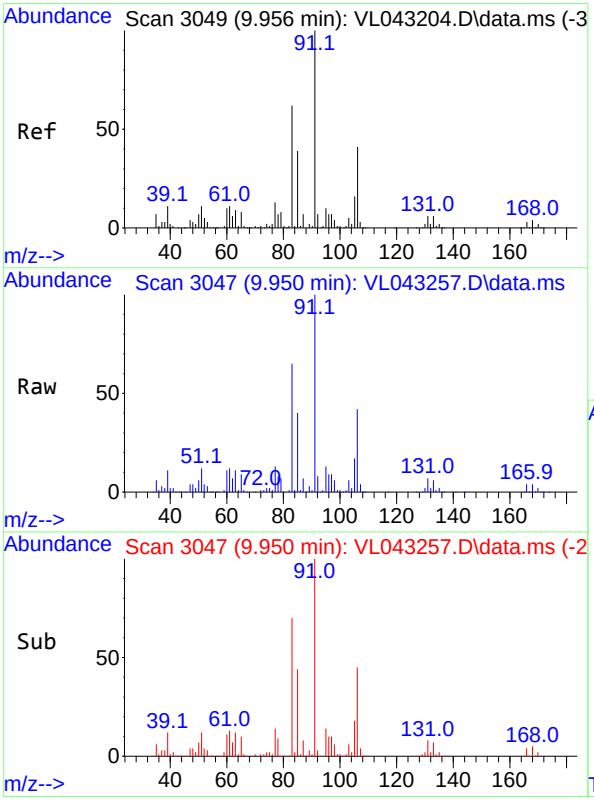
Ion	Ratio	Lower	Upper
91	100		
106	44.3	36.1	54.1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

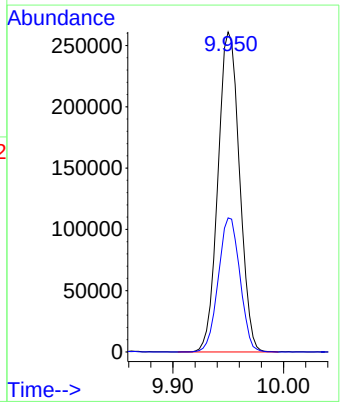


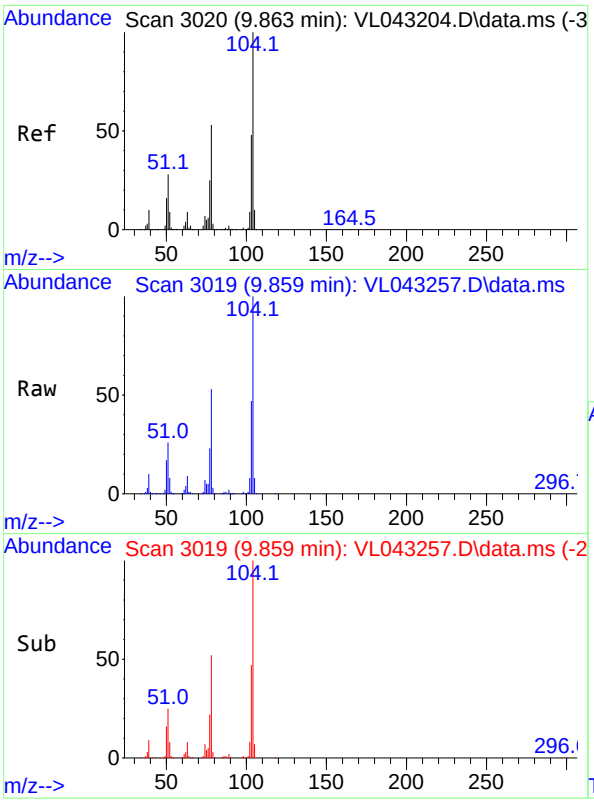


#60
o-Xylene
Concen: 10.284 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 353166

Ion	Ratio	Lower	Upper
91	100		
106	42.1	20.9	62.8

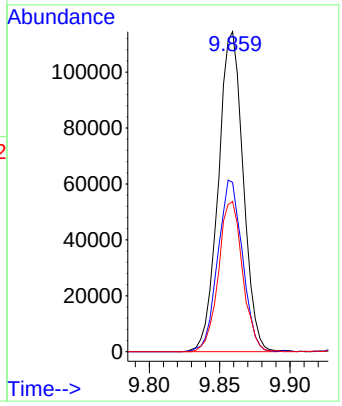




#61
Styrene
Concen: 9.353 ppbv
RT: 9.859 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:104 Resp: 14057

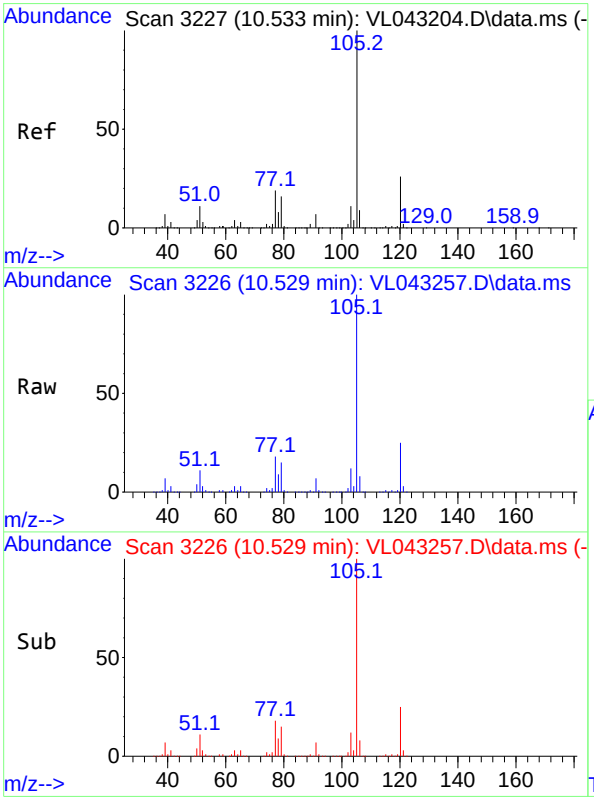
Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.1	63.1
103	45.7	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

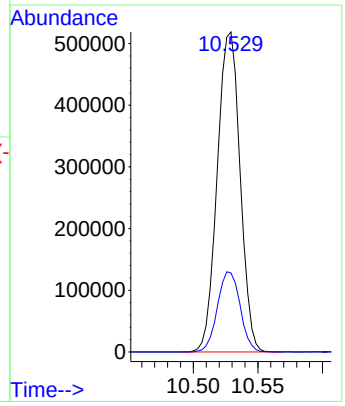
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

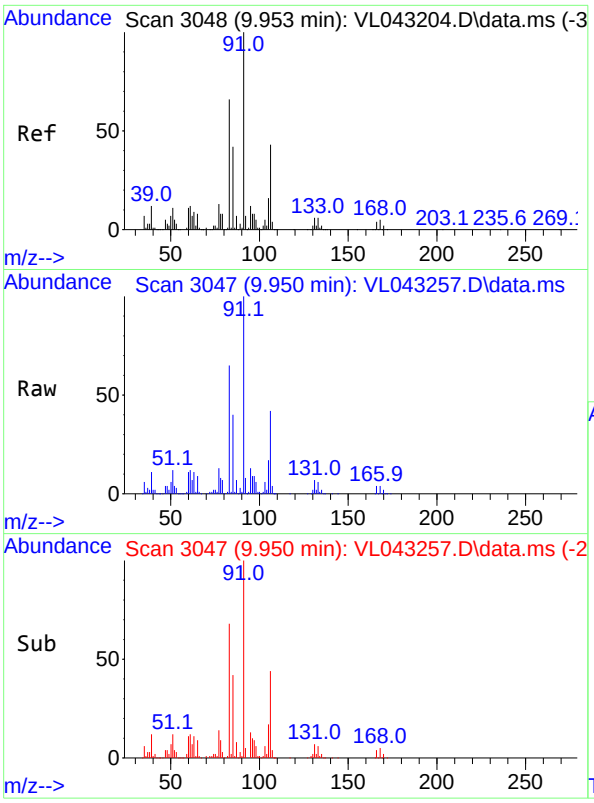


#62
Isopropylbenzene
Concen: 10.379 ppbv
RT: 10.529 min Scan# 3226
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 637682

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.8	29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 9.817 ppbv
RT: 9.950 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

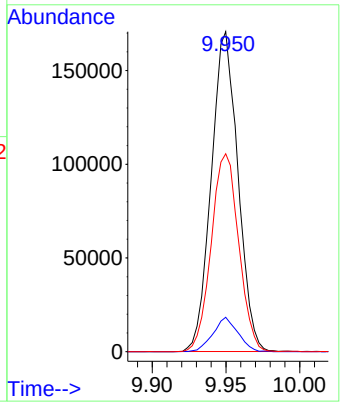
Tgt Ion: 83 Resp: 21452

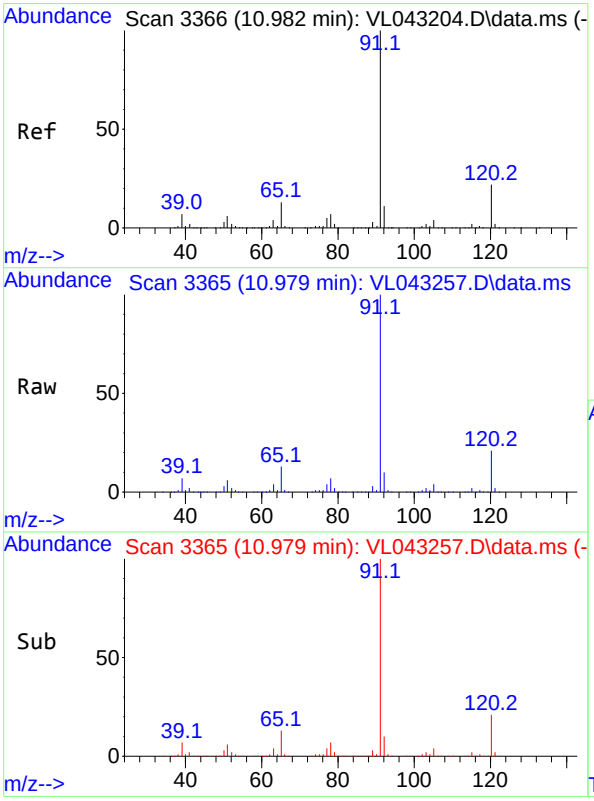
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	63.9	31.9	95.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

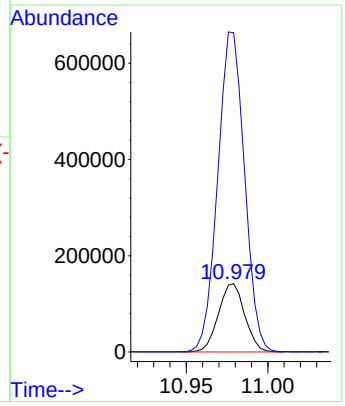


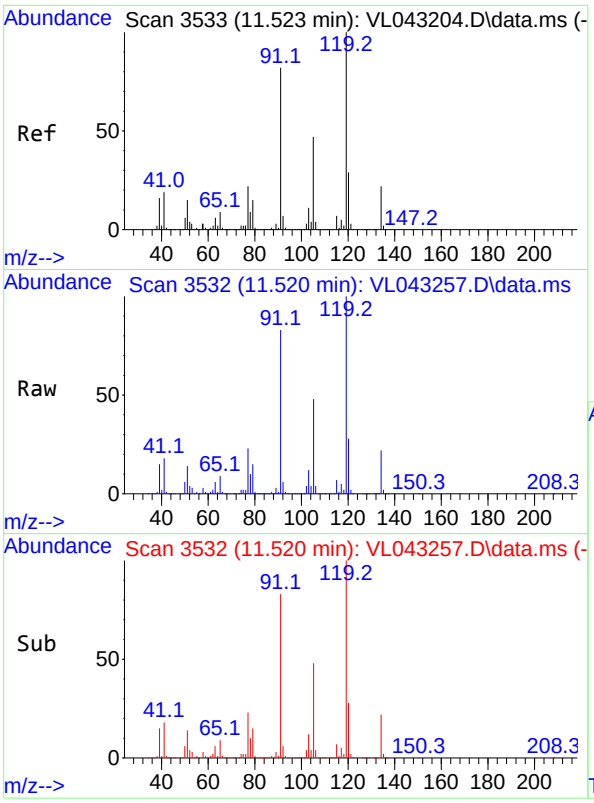


#64
n-propylbenzene
Concen: 10.052 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:120 Resp: 158685

Ion	Ratio	Lower	Upper
120	100		
91	479.0	377.1	565.7

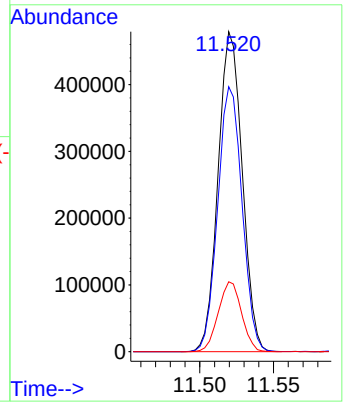




#65
tert-Butylbenzene
Concen: 9.932 ppbv
RT: 11.520 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:119 Resp: 54495

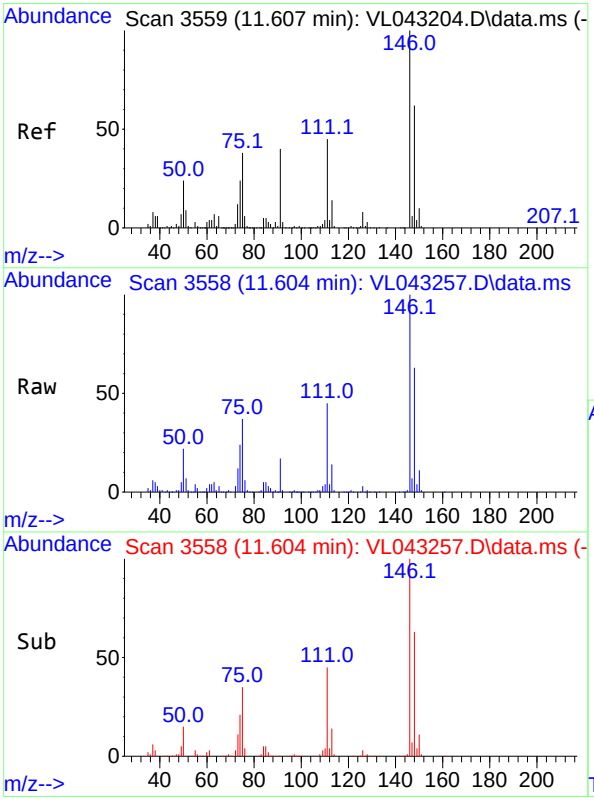
Ion	Ratio	Lower	Upper
119	100		
91	83.7	65.3	97.9
134	21.1	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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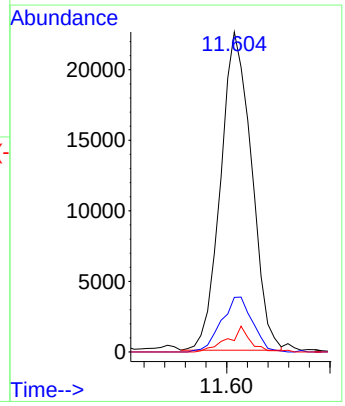
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

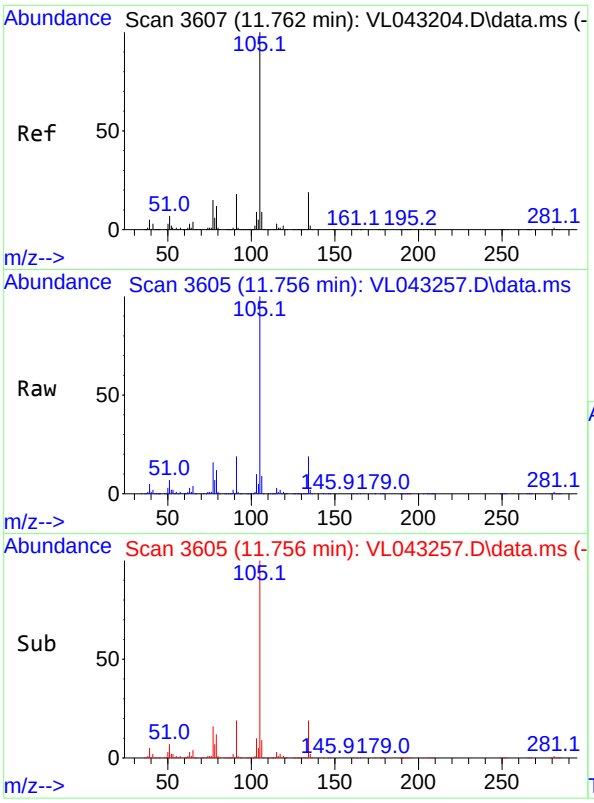


#66
Benzyl Chloride
Concen: 4.210 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 23441

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.4	21.6
128	6.0	4.6	6.8

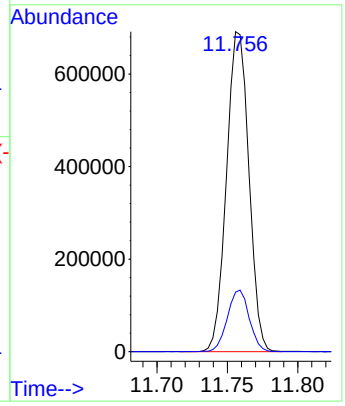




#67
sec-Butylbenzene
Concen: 9.982 ppbv
RT: 11.756 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 76452

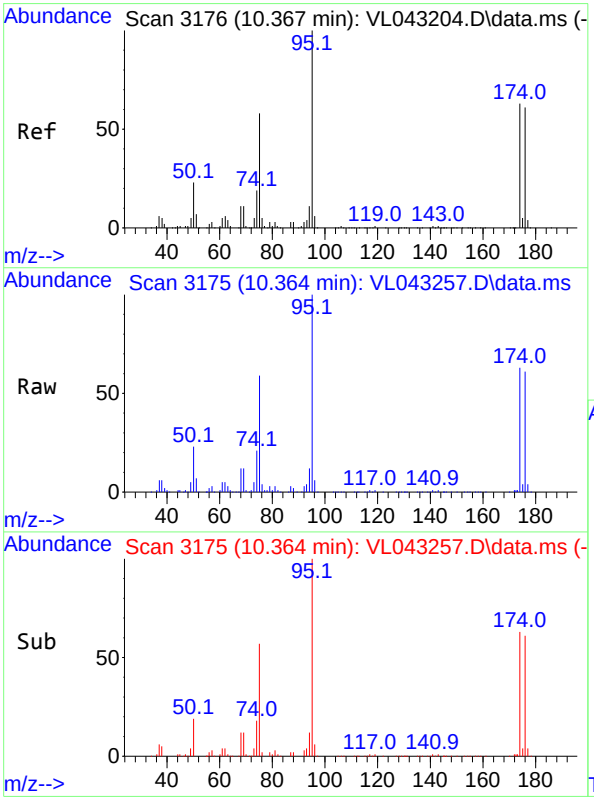
Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
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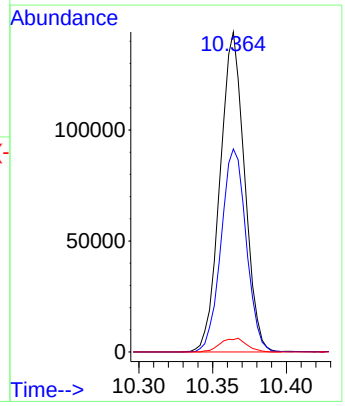
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

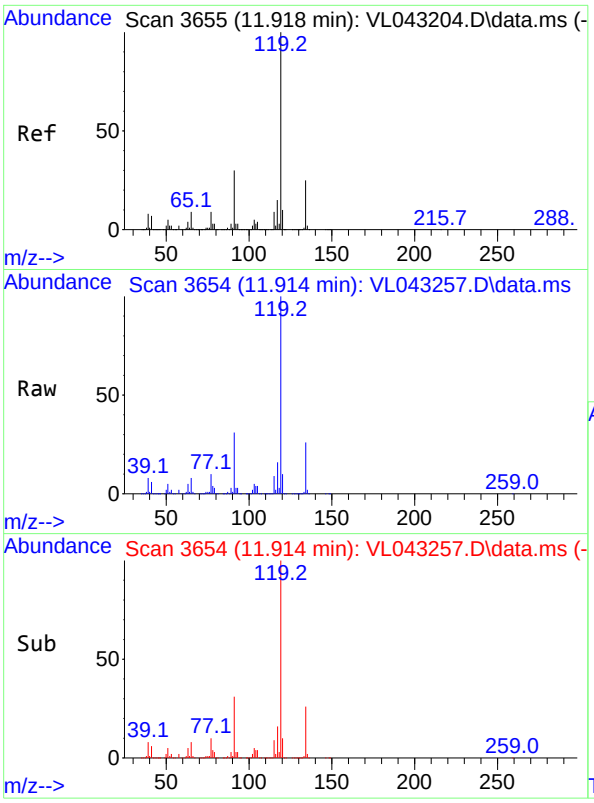


#68
1-Bromo-4-Fluorobenzene
Concen: 10.198 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 95 Resp: 166532

Ion	Ratio	Lower	Upper
95	100		
174	65.2	50.2	75.2
175	4.6	4.1	6.1

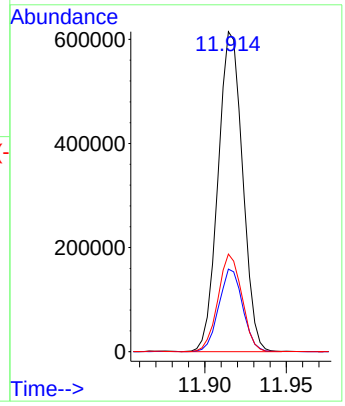




#69
p-Isopropyltoluene
Concen: 9.886 ppbv
RT: 11.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:119 Resp: 64141

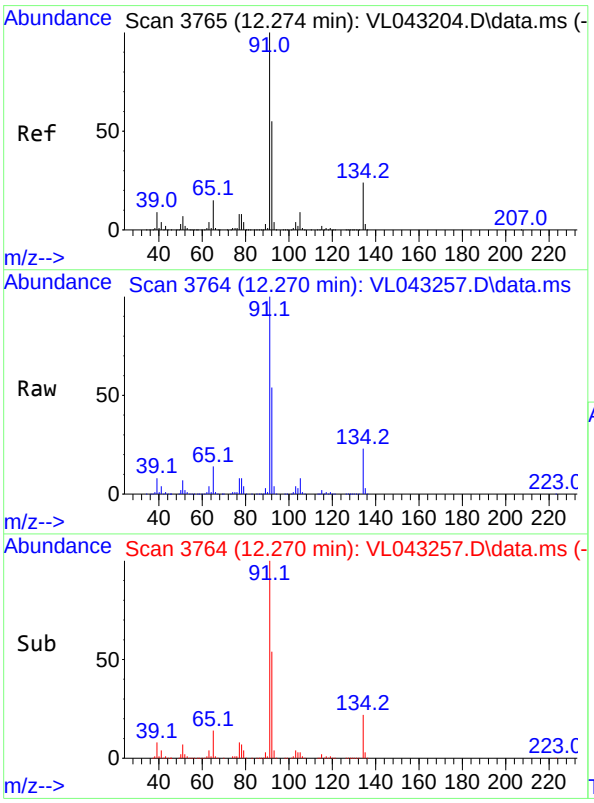
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	30.0	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

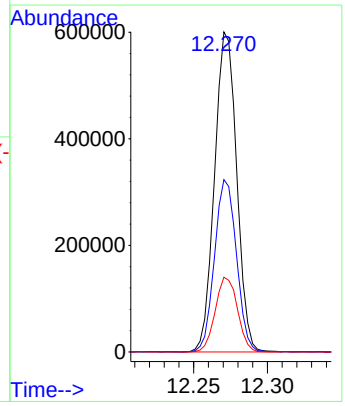
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

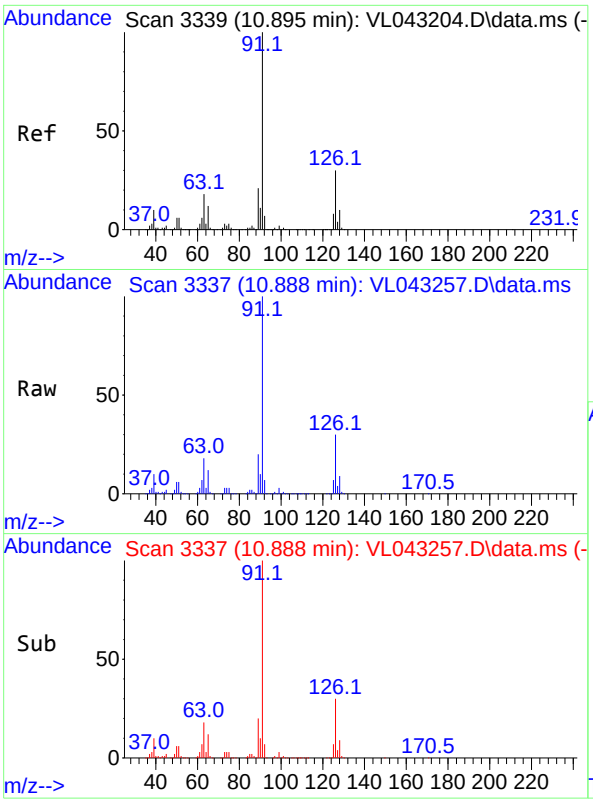


#70
n-Butylbenzene
Concen: 9.948 ppbv
RT: 12.270 min Scan# 3764
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 626151

Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.5	65.3
134	23.5	19.0	28.6

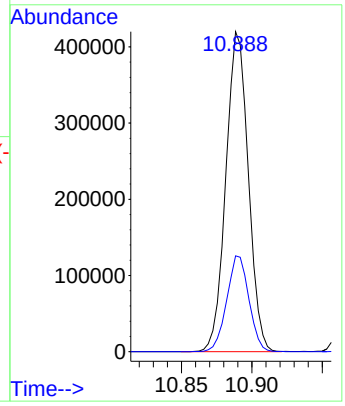




#71
2-Chlorotoluene
Concen: 9.875 ppbv
RT: 10.888 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 46635

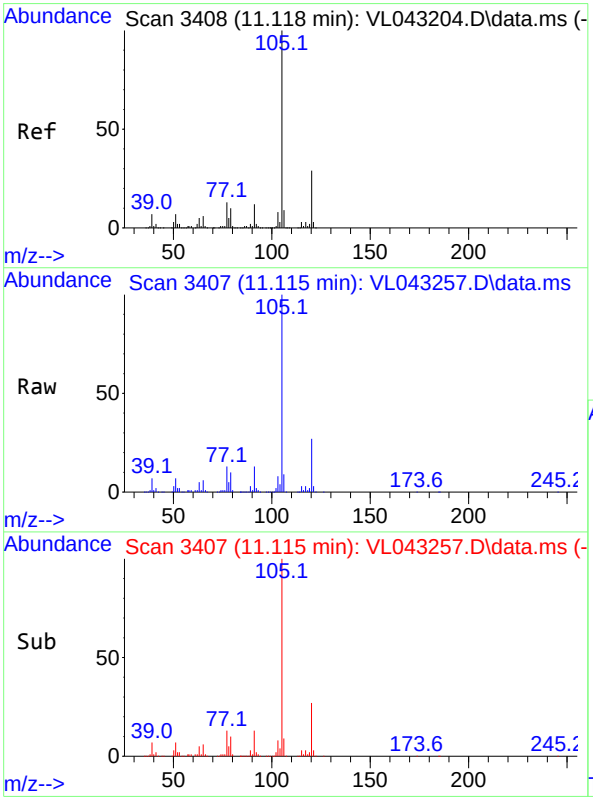
Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

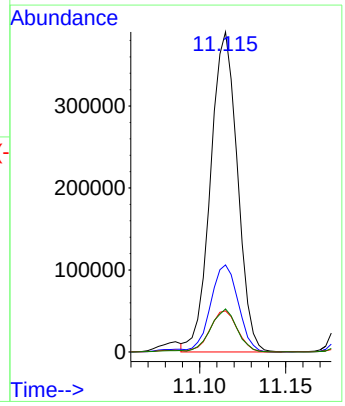
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

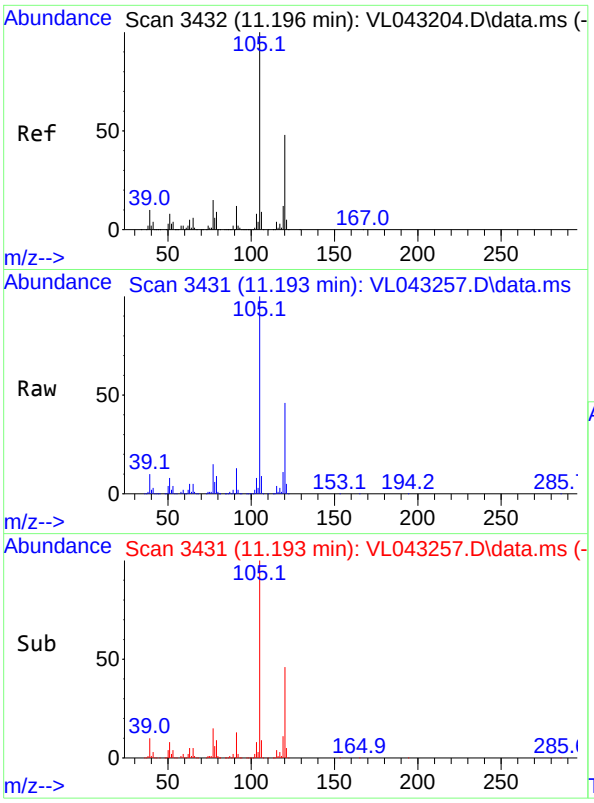


#72
4-Ethyltoluene
Concen: 10.147 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 424355

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.8	35.8
91	13.9	10.3	15.5
77	13.6	11.1	16.7

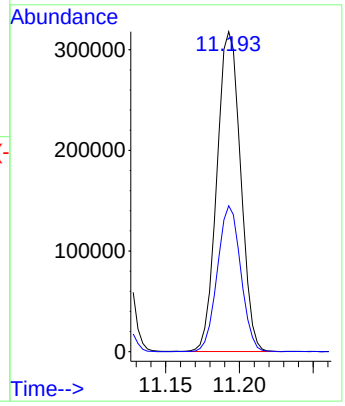




#73
1,3,5-Trimethylbenzene
Concen: 10.119 ppbv
RT: 11.193 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 35513

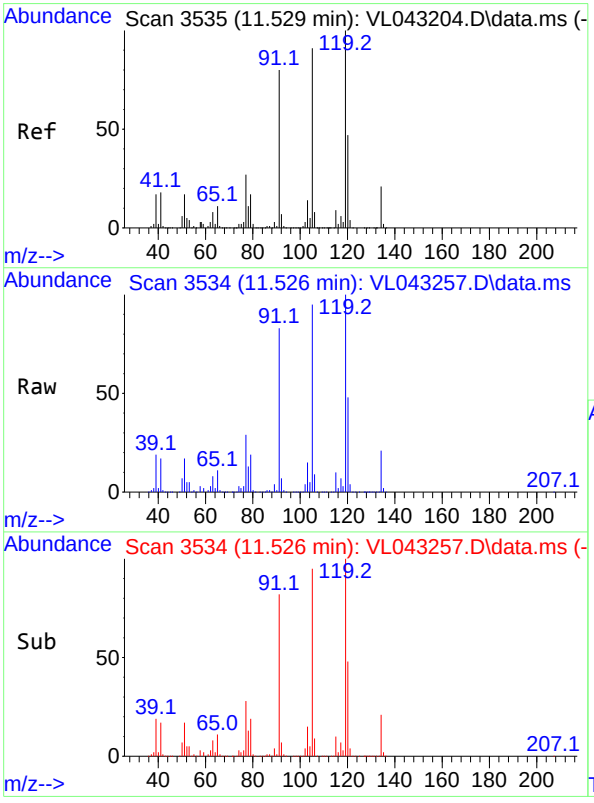
Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

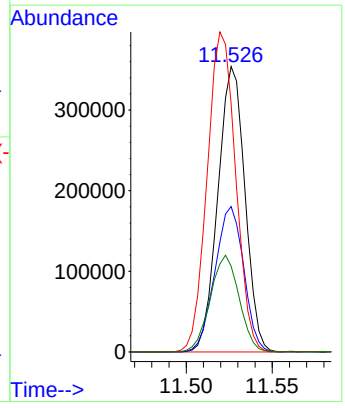
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

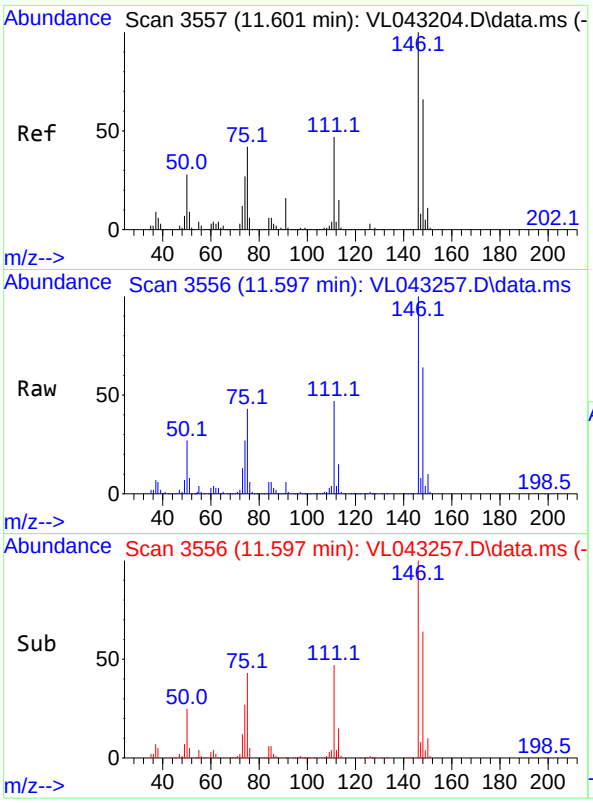


#74
1,2,4-Trimethylbenzene
Concen: 10.095 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 386671

Ion	Ratio	Lower	Upper
105	100		
120	51.0	41.7	62.5
91	87.0	70.0	105.0
77	30.1	23.8	35.8

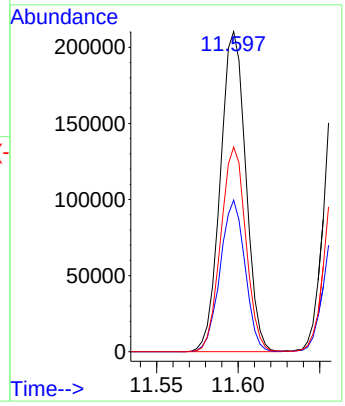




#75
1,3-Dichlorobenzene
Concen: 10.196 ppbv
RT: 11.597 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:146 Resp: 22789

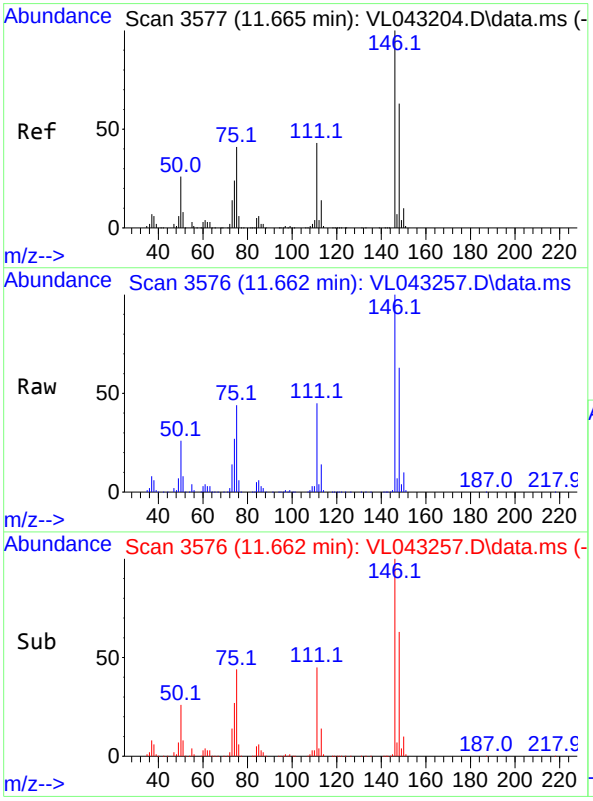
Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.4	70.3
148	63.1	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

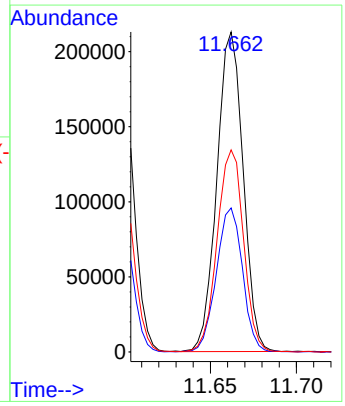
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

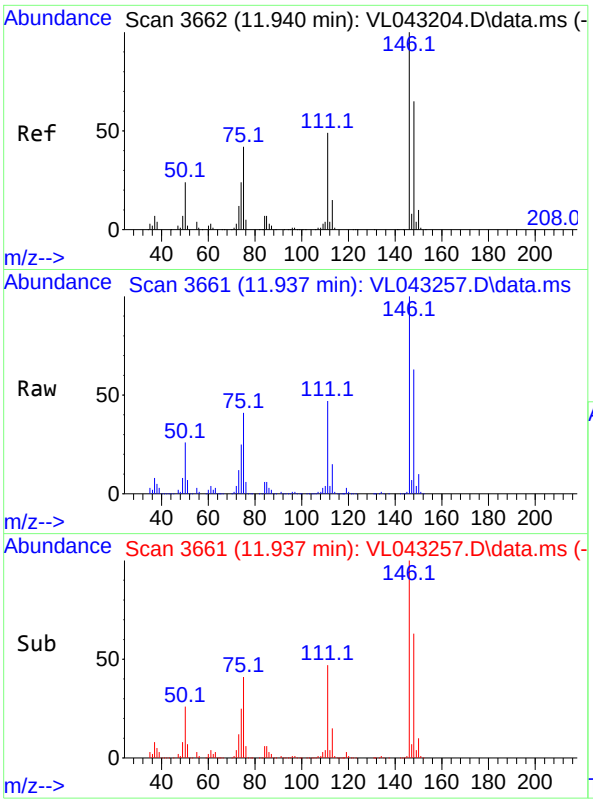


#76
1,4-Dichlorobenzene
Concen: 10.117 ppbv
RT: 11.662 min Scan# 3576
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:146 Resp: 226164

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.8	68.3
148	63.7	31.8	95.4

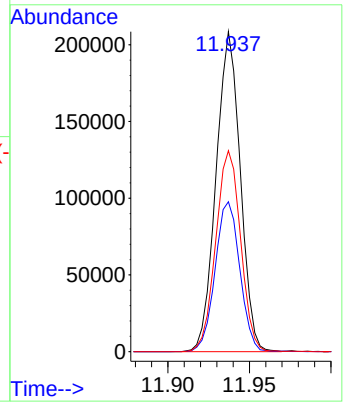




#77
1,2-Dichlorobenzene
Concen: 10.032 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:146 Resp: 21557

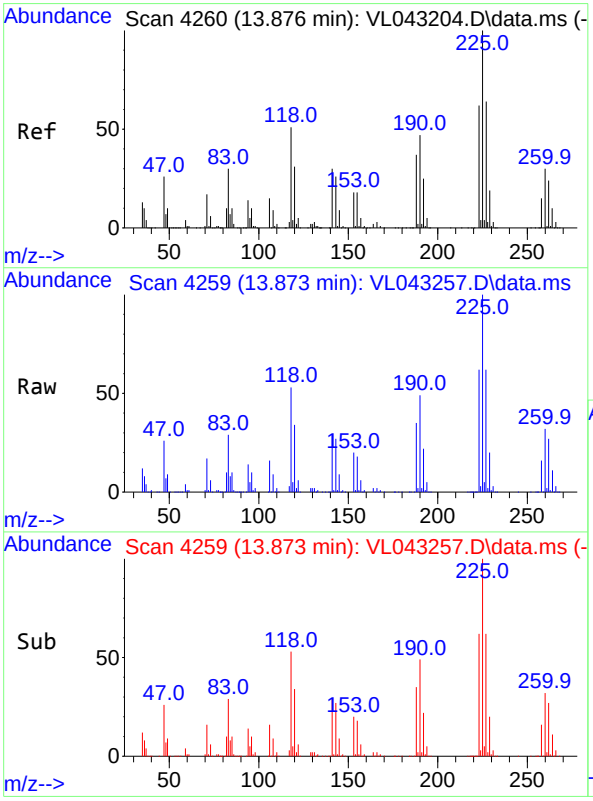
Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.3	73.0
148	64.4	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

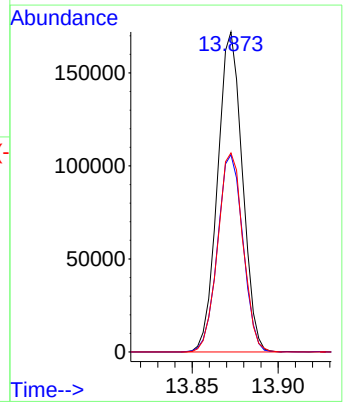
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

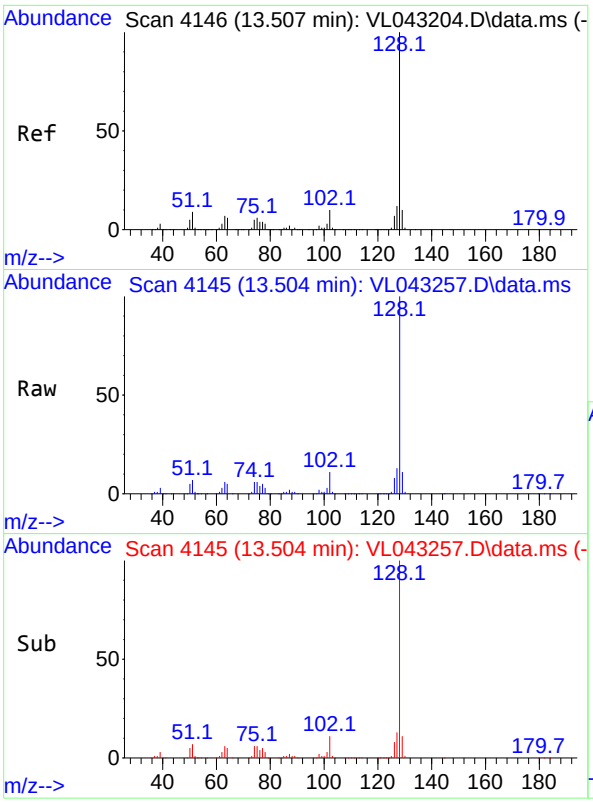


#78
Hexachloro-1,3-Butadiene
Concen: 9.604 ppbv
RT: 13.873 min Scan# 4259
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:225 Resp: 172235

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.4
227	63.5	51.1	76.7

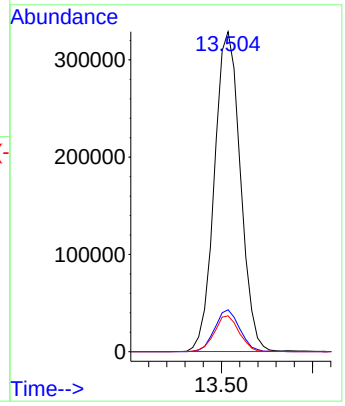




#79
Naphthalene
Concen: 9.536 ppbv
RT: 13.504 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:128 Resp: 32439

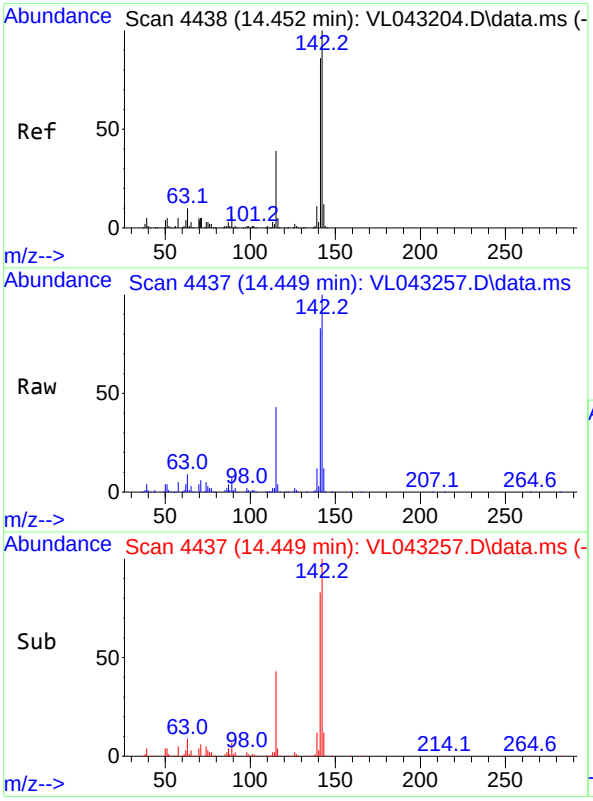
Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	11.2	8.4	12.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

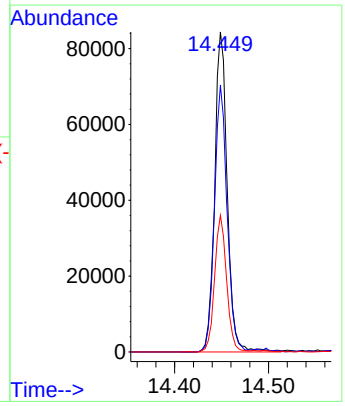
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

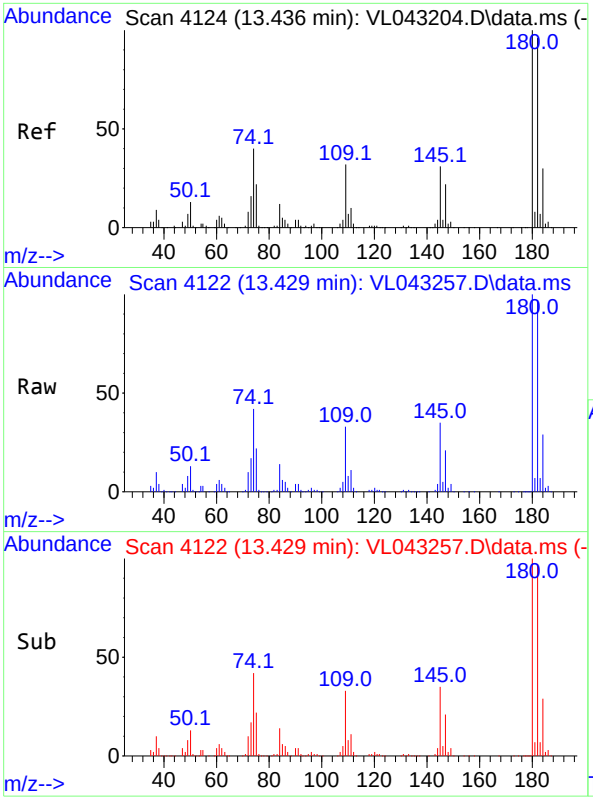


#80
Naphthalene,2-methyl-
Concen: 8.806 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:142 Resp: 78637

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.1	100.7
115	41.6	31.9	47.9

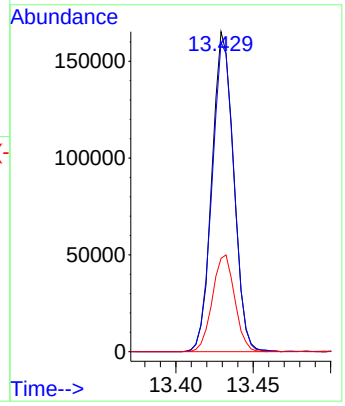




#81
1,2,4-Trichlorobenzene
Concen: 10.564 ppbv
RT: 13.429 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:180 Resp: 16072

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.4	116.2
184	31.2	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	1.410	1.568	-11.2	114	0.00
3		Chlorodifluoromethane	1.387	1.423	-2.6	106	0.00
4		Chloromethane	0.527	0.529	-0.4	104	0.00
5	T	Vinyl Chloride	0.577	0.538	6.8	108	0.00
6	T	Bromomethane	0.280	0.269	3.9	104	0.00
7		Chloroethane	0.225	0.218	3.1	110	0.00
8	T	Dichlorotetrafluoroethane	1.173	1.263	-7.7	113	0.00
9	T	Propene	0.589	0.542	8.0	106	0.00
10	T	Heptane	1.753	1.521	13.2	93	0.00
11	T	Trichlorofluoromethane	1.367	1.651	-20.8	130	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.067	1.233	-15.6	122	0.00
13		Ethanol	0.207	0.165	20.3	97	0.00
14	T	Bromoethene	0.409	0.446	-9.0	120	0.00
15	T	Acetone	1.389	1.188	14.5	113	0.00
16	T	1,3-Butadiene	0.619	0.607	1.9	108	0.00
17		tert-Butyl alcohol	1.824	1.709	6.3	98	0.00
18	T	1,1-Dichloroethene	0.497	0.539	-8.5	120	0.00
19	T	Isopropyl Alcohol	0.785	0.706	10.1	101	0.00
20	T	Methylene Chloride	0.600	0.472	21.3	116	0.00
21	T	Allyl Chloride	0.935	0.815	12.8	94	0.00
22	T	trans-1,2-Dichloroethene	0.568	0.608	-7.0	119	0.00
23	T	Vinyl Acetate	1.677	1.534	8.5	92	0.00
24	T	1,1-Dichloroethane	1.096	1.165	-6.3	112	0.00
25	T	Ethyl Acetate	2.996	2.783	7.1	99	0.00
26	T	Hexane	1.314	1.265	3.7	100	0.00
27	T	Carbon Disulfide	1.341	1.465	-9.2	114	0.00
28	T	Methyl tert-Butyl Ether	0.645	0.668	-3.6	110	0.00
29	T	Chloroform	1.867	2.134	-14.3	117	0.00
30	T	Cyclohexane	1.101	1.067	3.1	102	0.00
31	T	cis-1,2-Dichloroethene	1.306	1.342	-2.8	106	0.00
32	T	1,1,1-Trichloroethane	1.990	2.205	-10.8	114	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
34	T	2-Butanone	0.706	0.657	6.9	99	0.00
35	T	Carbon Tetrachloride	0.759	0.862	-13.6	118	0.00
36	T	Benzene	0.958	0.965	-0.7	104	0.00
37	T	1,2-Dichloroethane	0.560	0.629	-12.3	115	0.00
38	T	Trichloroethene	0.375	0.391	-4.3	108	0.00
39	T	1,2-Dichloropropane	0.351	0.335	4.6	97	0.00
40	T	1,4-Dioxane	0.158	0.133	15.8	90	0.00
41	T	Tetrahydrofuran	0.390	0.344	11.8	91	0.00
42	T	Bromodichloromethane	0.773	0.862	-11.5	112	0.00
43		Methyl Methacrylate	0.508	0.455	10.4	96	0.00
44	T	2,2,4-Trimethylpentane	1.645	1.586	3.6	99	0.00
45	T	t-1,3-Dichloropropene	0.474	0.364	23.2	78	0.00
46	T	cis-1,3-Dichloropropene	0.556	0.445	20.0	81	0.00
47	T	1,1,2-Trichloroethane	0.372	0.379	-1.9	107	0.00
48	T	Dibromochloromethane	0.640	0.703	-9.8	110	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 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	0.566	0.623	-10.1	109	0.00
50	T	4-Methyl-2-Pentanone	0.994	0.864	13.1	89	0.00
51	T	2-Hexanone	0.772	0.625	19.0	83	0.00
52	T	Tetrachloroethene	0.356	0.360	-1.1	106	0.00
53	T	Toluene	1.134	1.089	4.0	98	0.00
54	T	1,2-Dibromoethane	0.547	0.530	3.1	98	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
56		1,1,1,2-Tetrachloroethane	0.735	0.793	-7.9	111	0.00
57	T	Chlorobenzene	1.027	1.061	-3.3	104	0.00
58	T	Ethyl Benzene	1.925	1.932	-0.4	101	0.00
59	T	m/p-Xylene	1.543	1.592	-3.2	105	0.00
60	T	o-Xylene	1.542	1.585	-2.8	106	0.00
61	T	Styrene	0.675	0.631	6.5	92	0.00
62		Isopropylbenzene	2.758	2.862	-3.8	106	0.00
63	T	1,1,2,2-Tetrachloroethane	0.981	0.963	1.8	103	0.00
64		n-propylbenzene	0.709	0.712	-0.4	103	0.00
65		tert-Butylbenzene	2.463	2.446	0.7	104	0.00
66	T	Benzyl Chloride	0.250	0.105	58.0#	41	0.00
67		sec-Butylbenzene	3.438	3.432	0.2	105	0.00
68	S	1-Bromo-4-Fluorobenzene	0.733	0.748	-2.0	97	0.00
69		p-Isopropyltoluene	2.912	2.879	1.1	103	0.00
70		n-Butylbenzene	2.825	2.811	0.5	101	0.00
71		2-Chlorotoluene	2.120	2.093	1.3	101	0.00
72	T	4-Ethyltoluene	1.877	1.905	-1.5	103	0.00
73	T	1,3,5-Trimethylbenzene	1.575	1.594	-1.2	104	0.00
74	T	1,2,4-Trimethylbenzene	1.719	1.736	-1.0	106	0.00
75	T	1,3-Dichlorobenzene	1.003	1.023	-2.0	104	0.00
76	T	1,4-Dichlorobenzene	1.003	1.015	-1.2	103	0.00
77	T	1,2-Dichlorobenzene	0.965	0.968	-0.3	105	0.00
78	T	Hexachloro-1,3-Butadiene	0.805	0.773	4.0	107	0.00
79	T	Naphthalene	1.527	1.456	4.6	92	0.00
80	T	Naphthalene,2-methyl-	0.401	0.353	12.0	84	0.00
81	T	1,2,4-Trichlorobenzene	0.683	0.721	-5.6	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	10.000	11.121	-11.2	114	0.00
3		Chlorodifluoromethane	10.000	10.259	-2.6	106	0.00
4		Chloromethane	10.000	10.035	-0.4	104	0.00
5	T	Vinyl Chloride	10.000	9.322	6.8	108	0.00
6	T	Bromomethane	10.000	9.621	3.8	104	0.00
7		Chloroethane	10.000	9.698	3.0	110	0.00
8	T	Dichlorotetrafluoroethane	10.000	10.769	-7.7	113	0.00
9	T	Propene	10.000	9.202	8.0	106	0.00
10	T	Heptane	10.000	8.674	13.3	93	0.00
11	T	Trichlorofluoromethane	10.000	12.083	-20.8	130	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	11.553	-15.5	122	0.00
13		Ethanol	10.000	7.973	20.3	97	0.00
14	T	Bromoethene	10.000	10.897	-9.0	120	0.00
15	T	Acetone	10.000	8.547	14.5	113	0.00
16	T	1,3-Butadiene	10.000	9.794	2.1	108	0.00
17		tert-Butyl alcohol	10.000	9.372	6.3	98	0.00
18	T	1,1-Dichloroethene	10.000	10.857	-8.6	120	0.00
19	T	Isopropyl Alcohol	10.000	8.996	10.0	101	0.00
20	T	Methylene Chloride	10.000	11.659	-16.6	116	0.00
21	T	Allyl Chloride	10.000	8.720	12.8	94	0.00
22	T	trans-1,2-Dichloroethene	10.000	10.711	-7.1	119	0.00
23	T	Vinyl Acetate	10.000	9.148	8.5	92	0.00
24	T	1,1-Dichloroethane	10.000	10.625	-6.3	112	0.00
25	T	Ethyl Acetate	10.000	9.287	7.1	99	0.00
26	T	Hexane	10.000	9.630	3.7	100	0.00
27	T	Carbon Disulfide	10.000	10.920	-9.2	114	0.00
28	T	Methyl tert-Butyl Ether	10.000	10.352	-3.5	110	0.00
29	T	Chloroform	10.000	11.429	-14.3	117	0.00
30	T	Cyclohexane	10.000	9.685	3.1	102	0.00
31	T	cis-1,2-Dichloroethene	10.000	10.277	-2.8	106	0.00
32	T	1,1,1-Trichloroethane	10.000	11.079	-10.8	114	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	97	0.00
34	T	2-Butanone	10.000	9.303	7.0	99	0.00
35	T	Carbon Tetrachloride	10.000	11.356	-13.6	118	0.00
36	T	Benzene	10.000	10.078	-0.8	104	0.00
37	T	1,2-Dichloroethane	10.000	11.229	-12.3	115	0.00
38	T	Trichloroethene	10.000	10.447	-4.5	108	0.00
39	T	1,2-Dichloropropane	10.000	9.571	4.3	97	0.00
40	T	1,4-Dioxane	10.000	8.418	15.8	90	0.00
41	T	Tetrahydrofuran	10.000	8.822	11.8	91	0.00
42	T	Bromodichloromethane	10.000	11.152	-11.5	112	0.00
43		Methyl Methacrylate	10.000	8.957	10.4	96	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.643	3.6	99	0.00
45	T	t-1,3-Dichloropropene	10.000	7.675	23.3	78	0.00
46	T	cis-1,3-Dichloropropene	10.000	7.989	20.1	81	0.00
47	T	1,1,2-Trichloroethane	10.000	10.190	-1.9	107	0.00
48	T	Dibromochloromethane	10.000	10.997	-10.0	110	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	10.994	-9.9	109	0.00
50	T	4-Methyl-2-Pentanone	10.000	8.688	13.1	89	0.00
51	T	2-Hexanone	10.000	8.097	19.0	83	0.00
52	T	Tetrachloroethene	10.000	10.097	-1.0	106	0.00
53	T	Toluene	10.000	9.604	4.0	98	0.00
54	T	1,2-Dibromoethane	10.000	9.684	3.2	98	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	95	0.00
56		1,1,1,2-Tetrachloroethane	10.000	10.787	-7.9	111	0.00
57	T	Chlorobenzene	10.000	10.333	-3.3	104	0.00
58	T	Ethyl Benzene	10.000	10.037	-0.4	101	0.00
59	T	m/p-Xylene	20.000	20.635	-3.2	105	0.00
60	T	o-Xylene	10.000	10.284	-2.8	106	0.00
61	T	Styrene	10.000	9.353	6.5	92	0.00
62		Isopropylbenzene	10.000	10.379	-3.8	106	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	9.817	1.8	103	0.00
64		n-propylbenzene	10.000	10.052	-0.5	103	0.00
65		tert-Butylbenzene	10.000	9.932	0.7	104	0.00
66	T	Benzyl Chloride	10.000	4.210	57.9#	41	0.00
67		sec-Butylbenzene	10.000	9.982	0.2	105	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.198	-2.0	97	0.00
69		p-Isopropyltoluene	10.000	9.886	1.1	103	0.00
70		n-Butylbenzene	10.000	9.948	0.5	101	0.00
71		2-Chlorotoluene	10.000	9.875	1.3	101	0.00
72	T	4-Ethyltoluene	10.000	10.147	-1.5	103	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.119	-1.2	104	0.00
74	T	1,2,4-Trimethylbenzene	10.000	10.095	-1.0	106	0.00
75	T	1,3-Dichlorobenzene	10.000	10.196	-2.0	104	0.00
76	T	1,4-Dichlorobenzene	10.000	10.117	-1.2	103	0.00
77	T	1,2-Dichlorobenzene	10.000	10.032	-0.3	105	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	9.604	4.0	107	0.00
79	T	Naphthalene	10.000	9.536	4.6	92	0.00
80	T	Naphthalene,2-methyl-	10.000	8.806	11.9	84	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.564	-5.6	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

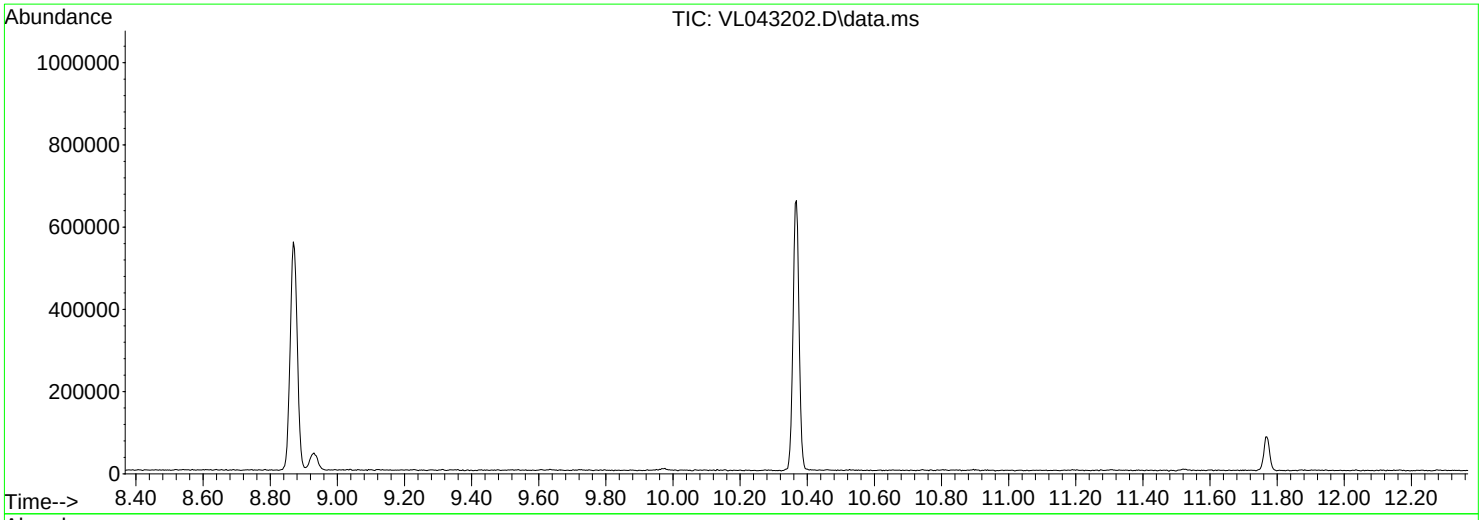
BFB

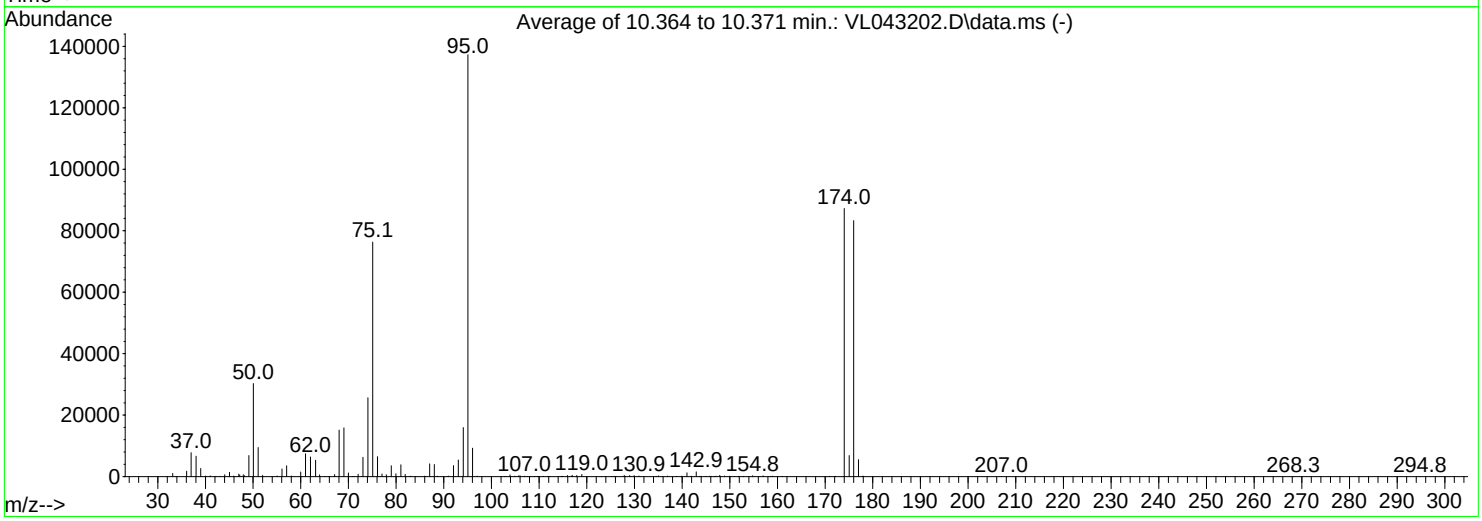
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043202.D
Acq On : 18 Nov 2025 08:46
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Nov 19 01:11:25 2025





AutoFind: Scans 3175, 3176, 3177; Background Corrected with Scan 3156

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	22.1	30285	PASS
75	95	30	66	55.6	76296	PASS
95	95	100	100	100.0	137266	PASS
96	95	5	9	6.7	9227	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	63.6	87269	PASS
175	174	4	9	7.8	6847	PASS
176	174	93	101	95.5	83301	PASS
177	176	5	9	6.6	5509	PASS

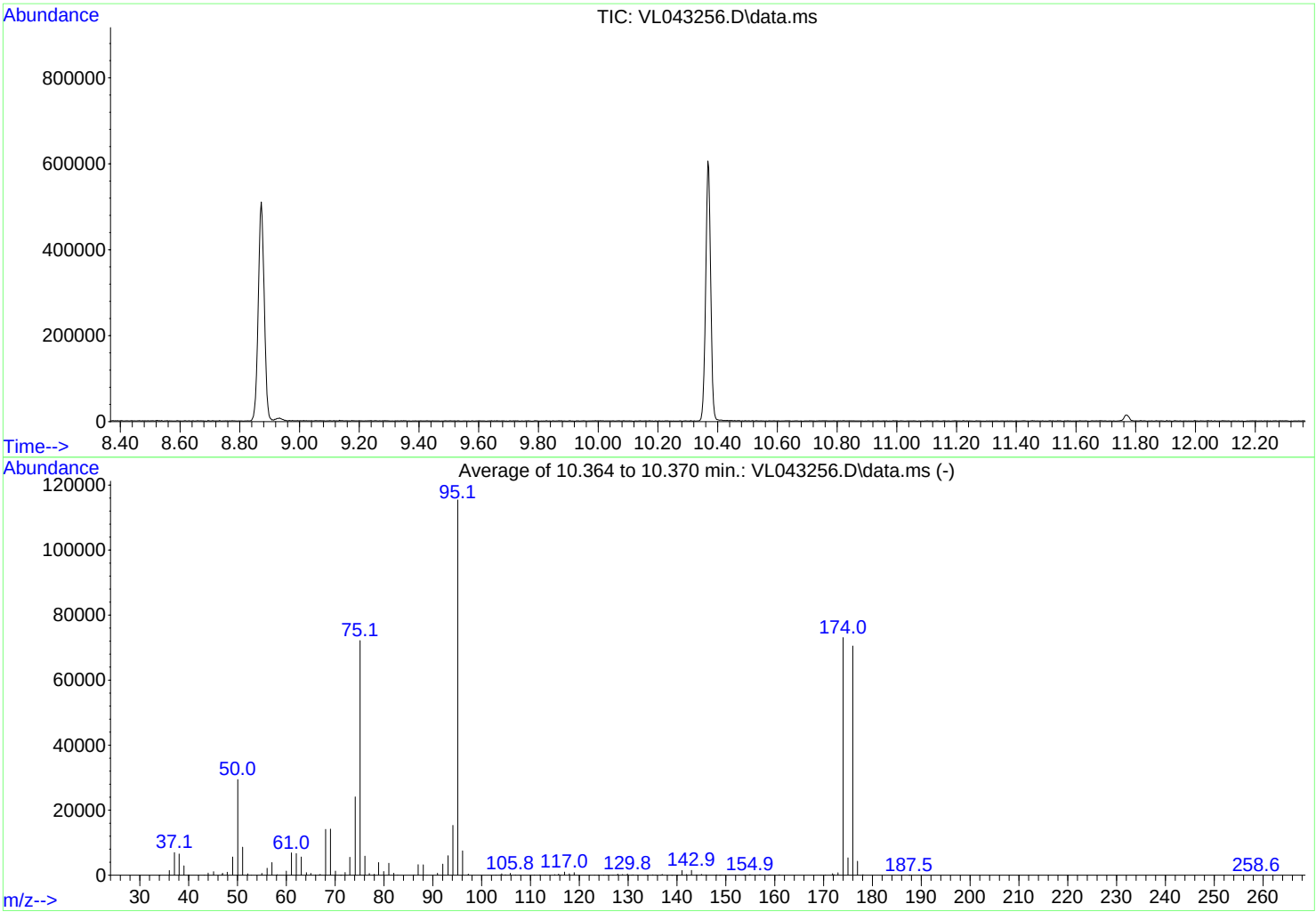
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043256.D
Acq On : 20 Nov 2025 08:41
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\VL111825AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Wed Nov 19 01:11:25 2025



AutoFind: Scans 3175, 3176, 3177; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.5	29432	PASS
75	95	30	66	62.5	72149	PASS
95	95	100	100	100.0	115432	PASS
96	95	5	9	6.5	7511	PASS
173	174	0.00	2	1.0	742	PASS
174	95	50	120	63.3	73064	PASS
175	174	4	9	7.3	5336	PASS
176	174	93	101	96.5	70507	PASS
177	176	5	9	6.1	4312	PASS

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Flair Cleaners	Date Received:	
Client Sample ID:	VL1120ABL01	SDG No.:	Q3655
Lab Sample ID:	VL1120ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	1	0.54	2.47	11/20/25 11:01	VL112025
74-87-3	Chloromethane	0.10	0.21	U	1	0.21	1.03	11/20/25 11:01	VL112025
75-01-4	Vinyl Chloride	0.030	0.080	U	1	0.080	0.080	11/20/25 11:01	VL112025
74-83-9	Bromomethane	0.080	0.31	U	1	0.31	1.94	11/20/25 11:01	VL112025
75-00-3	Chloroethane	0.15	0.40	U	1	0.40	1.32	11/20/25 11:01	VL112025
109-99-9	Tetrahydrofuran	0.080	0.24	U	1	0.24	1.47	11/20/25 11:01	VL112025
75-69-4	Trichlorofluoromethane	0.17	0.96	U	1	0.96	2.81	11/20/25 11:01	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1	1.07	3.83	11/20/25 11:01	VL112025
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1	1.05	3.49	11/20/25 11:01	VL112025
75-65-0	tert-Butyl alcohol	0.16	0.49	U	1	0.49	1.52	11/20/25 11:01	VL112025
142-82-5	Heptane	0.17	0.70	U	1	0.70	2.05	11/20/25 11:01	VL112025
75-35-4	1,1-Dichloroethene	0.15	0.59	U	1	0.59	1.98	11/20/25 11:01	VL112025
67-64-1	Acetone	0.18	0.43	U	1	0.43	1.19	11/20/25 11:01	VL112025
75-15-0	Carbon Disulfide	0.080	0.25	U	1	0.25	1.56	11/20/25 11:01	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	1	0.83	1.80	11/20/25 11:01	VL112025
75-09-2	Methylene Chloride	0.23	0.80	U	1	0.80	1.74	11/20/25 11:01	VL112025
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	1	0.48	1.98	11/20/25 11:01	VL112025
75-34-3	1,1-Dichloroethane	0.13	0.53	U	1	0.53	2.02	11/20/25 11:01	VL112025
110-82-7	Cyclohexane	0.22	0.76	U	1	0.76	1.72	11/20/25 11:01	VL112025
78-93-3	2-Butanone	0.060	0.18	U	1	0.18	1.47	11/20/25 11:01	VL112025
56-23-5	Carbon Tetrachloride	0.030	0.19	U	1	0.19	0.19	11/20/25 11:01	VL112025
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	1	0.40	1.98	11/20/25 11:01	VL112025
67-66-3	Chloroform	0.10	0.49	U	1	0.49	2.44	11/20/25 11:01	VL112025
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	1	0.11	0.16	11/20/25 11:01	VL112025
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	1	0.65	2.34	11/20/25 11:01	VL112025
71-43-2	Benzene	0.080	0.26	U	1	0.26	1.60	11/20/25 11:01	VL112025
107-06-2	1,2-Dichloroethane	0.090	0.36	U	1	0.36	2.02	11/20/25 11:01	VL112025
79-01-6	Trichloroethene	0.020	0.11	U	1	0.11	0.16	11/20/25 11:01	VL112025
78-87-5	1,2-Dichloropropane	0.13	0.60	U	1	0.60	2.31	11/20/25 11:01	VL112025
75-27-4	Bromodichloromethane	0.060	0.40	U	1	0.40	3.35	11/20/25 11:01	VL112025
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	1	0.41	2.05	11/20/25 11:01	VL112025
108-88-3	Toluene	0.16	0.60	U	1	0.60	1.88	11/20/25 11:01	VL112025
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	1	0.68	2.27	11/20/25 11:01	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	1	0.50	2.27	11/20/25 11:01	VL112025
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	1	0.44	2.73	11/20/25 11:01	VL112025
124-48-1	Dibromochloromethane	0.090	0.77	U	1	0.77	4.26	11/20/25 11:01	VL112025
106-93-4	1,2-Dibromoethane	0.090	0.69	U	1	0.69	0.77	11/20/25 11:01	VL112025
127-18-4	Tetrachloroethene	0.020	0.14	U	1	0.14	0.20	11/20/25 11:01	VL112025
108-90-7	Chlorobenzene	0.080	0.37	U	1	0.37	2.30	11/20/25 11:01	VL112025
100-41-4	Ethyl Benzene	0.19	0.83	U	1	0.83	2.17	11/20/25 11:01	VL112025
179601-23-1	m/p-Xylene	0.41	1.78	U	1	1.78	4.34	11/20/25 11:01	VL112025
95-47-6	o-Xylene	0.21	0.91	U	1	0.91	2.17	11/20/25 11:01	VL112025
100-42-5	Styrene	0.16	0.68	U	1	0.68	2.13	11/20/25 11:01	VL112025
75-25-2	Bromoform	0.050	0.52	U	1	0.52	5.17	11/20/25 11:01	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	1	0.14	0.21	11/20/25 11:01	VL112025
95-49-8	2-Chlorotoluene	0.17	0.88	U	1	0.88	2.59	11/20/25 11:01	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Flair Cleaners	Date Received:	
Client Sample ID:	VL1120ABL01	SDG No.:	Q3655
Lab Sample ID:	VL1120ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/20/25 11:01	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	1	0.88	2.46	11/20/25 11:01	VL112025
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	1	0.30	3.01	11/20/25 11:01	VL112025
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01	11/20/25 11:01	VL112025
95-50-1	1,2-Dichlorobenzene	0.13	0.78	U	1	0.78	3.01	11/20/25 11:01	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1	1.56	3.71	11/20/25 11:01	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1	1.39	5.33	11/20/25 11:01	VL112025
106-99-0	1,3-Butadiene	0.050	0.11	U	1	0.11	1.11	11/20/25 11:01	VL112025
91-20-3	Naphthalene	0.010	0.050	U	1	0.050	0.52	11/20/25 11:01	VL112025
622-96-8	4-Ethyltoluene	0.21	1.03	U	1	1.03	2.46	11/20/25 11:01	VL112025
110-54-3	Hexane	0.16	0.56	U	1	0.56	1.76	11/20/25 11:01	VL112025
107-05-1	Allyl Chloride	0.11	0.34	U	1	0.34	1.57	11/20/25 11:01	VL112025
123-91-1	1,4-Dioxane	0.22	0.79	U	1	0.79	1.80	11/20/25 11:01	VL112025
80-62-6	Methyl Methacrylate	0.14	0.57	U	1	0.57	2.05	11/20/25 11:01	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.0				70 (65) - 130 (135)	100% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	106000							
540-36-3	1,4-Difluorobenzene	275000							
3114-55-4	Chlorobenzene-d5	211000							

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\VL112025\
Data File : VL043258.D
Acq On : 20 Nov 2025 11:01
Operator : SY/MD
Sample : VL1120ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

Quant Time: Nov 21 00:35:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

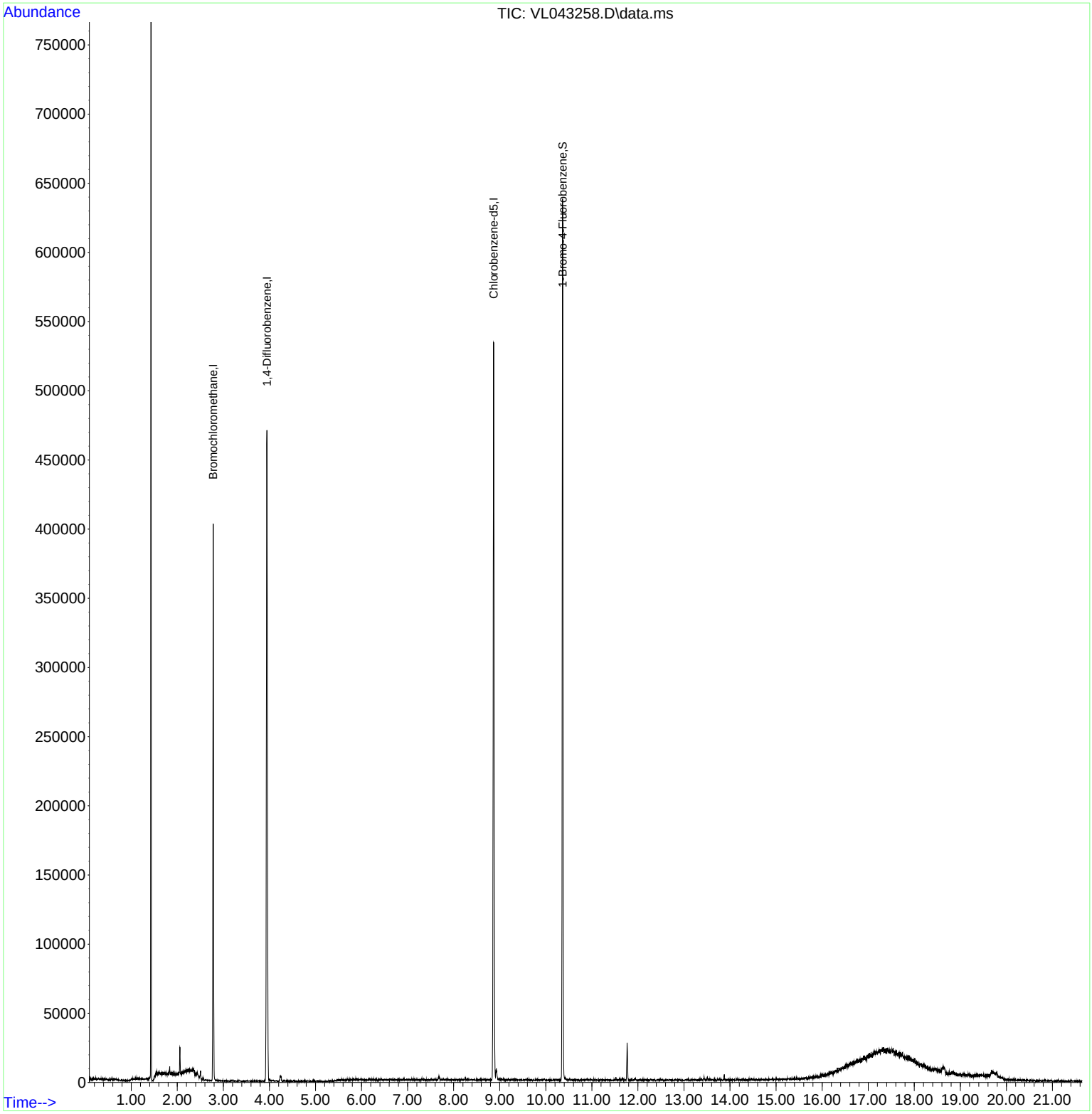
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	105521	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	275399	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	211341	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	154256	9.958	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue

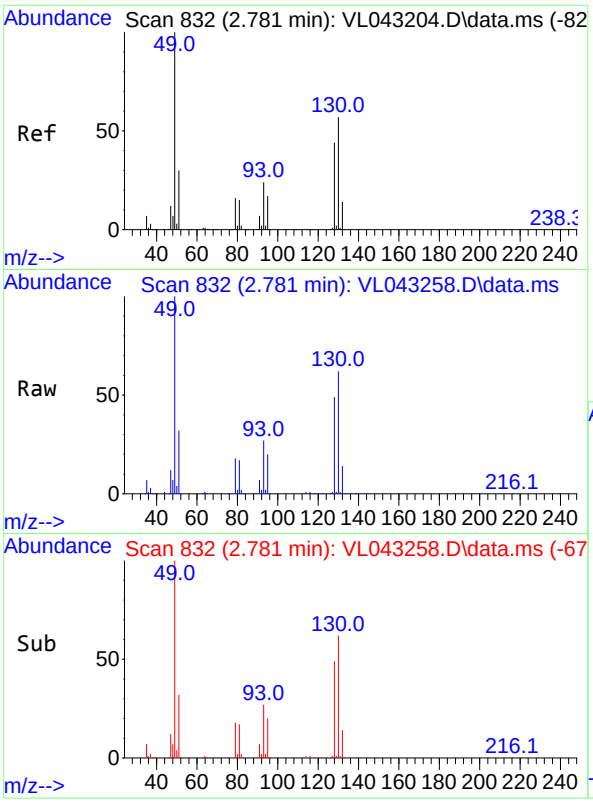
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043258.D
Acq On : 20 Nov 2025 11:01
Operator : SY/MD
Sample : VL1120ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

Quant Time: Nov 21 00:35:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



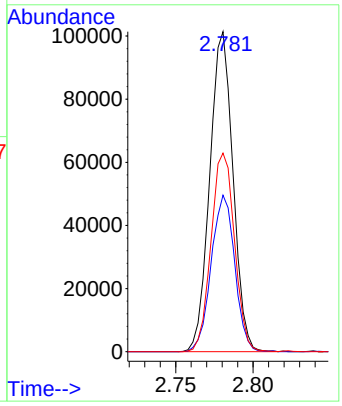


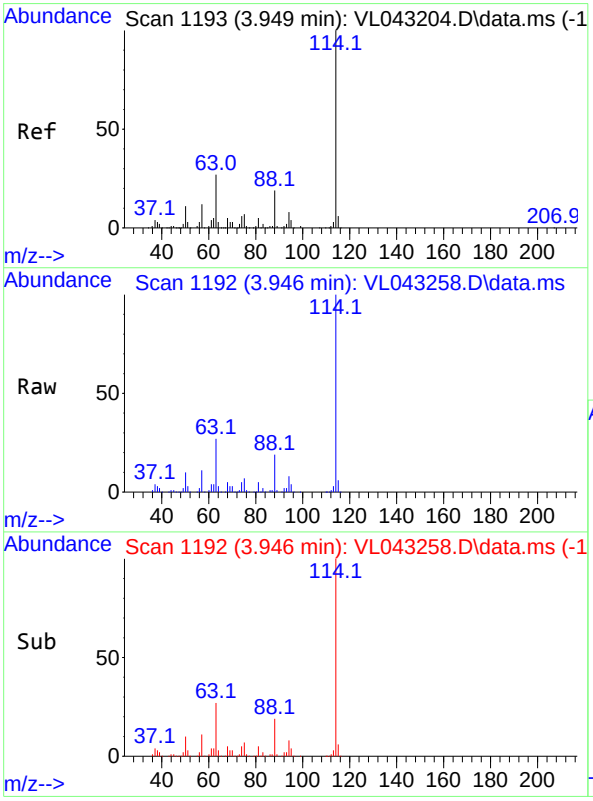
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

Tgt Ion: 49 Resp: 105521

Ion	Ratio	Lower	Upper
49	100		
128	49.6	23.0	69.0
130	62.9	29.9	89.7

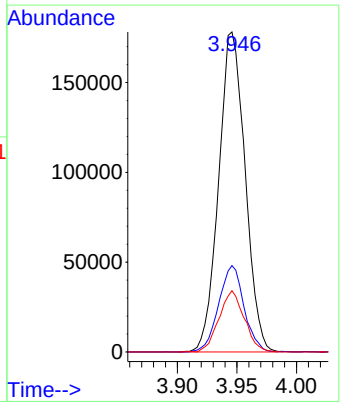


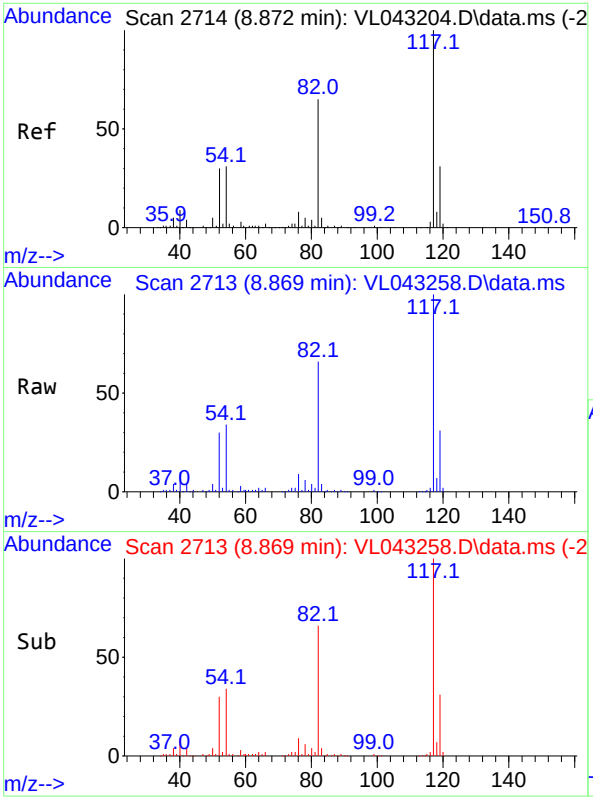


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.003 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

Tgt Ion:114 Resp: 275399

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.0	31.6
88	18.3	14.9	22.3



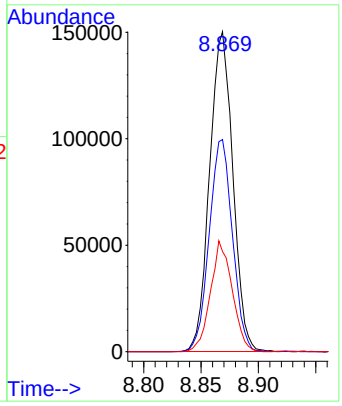


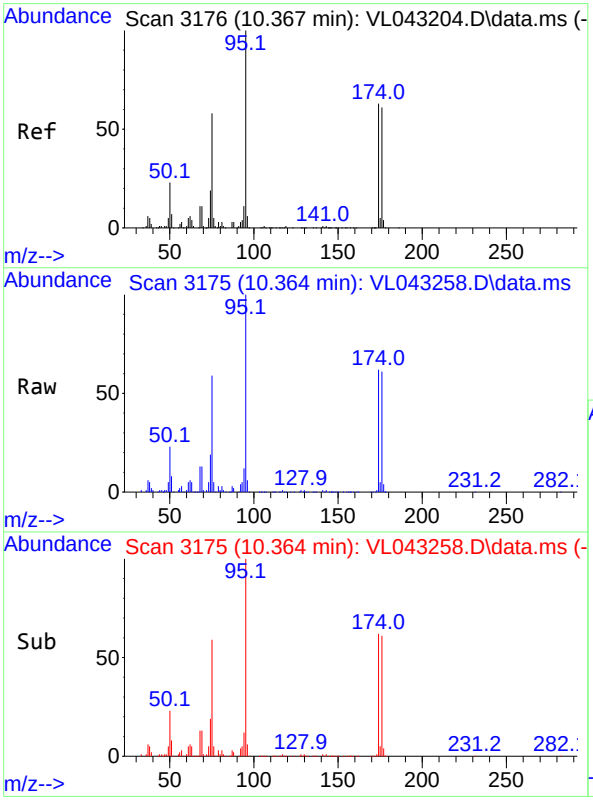
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

Tgt Ion:117 Resp: 211341

Ion	Ratio	Lower	Upper
117	100		
82	66.5	56.1	84.1
119	32.6	25.0	37.6

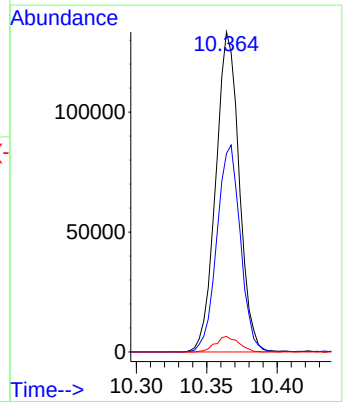




#68
1-Bromo-4-Fluorobenzene
Concen: 9.958 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

Tgt Ion: 95 Resp: 154256

Ion	Ratio	Lower	Upper
95	100		
174	65.5	50.2	75.2
175	4.9	4.1	6.1



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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Flair Cleaners	Date Received:	
Client Sample ID:	VL1120ABS01	SDG No.:	Q3655
Lab Sample ID:	VL1120ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	11.5	56.9		1	0.54	2.47	11/20/25 12:07	VL112025
74-87-3	Chloromethane	10.3	21.3		1	0.21	1.03	11/20/25 12:07	VL112025
75-01-4	Vinyl Chloride	9.50	24.3		1	0.080	0.080	11/20/25 12:07	VL112025
74-83-9	Bromomethane	9.10	35.3		1	0.31	1.94	11/20/25 12:07	VL112025
75-00-3	Chloroethane	9.70	25.6		1	0.40	1.32	11/20/25 12:07	VL112025
109-99-9	Tetrahydrofuran	8.70	25.7		1	0.24	1.47	11/20/25 12:07	VL112025
75-69-4	Trichlorofluoromethane	12.4	69.7		1	0.96	2.81	11/20/25 12:07	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	11.7	89.7		1	1.07	3.83	11/20/25 12:07	VL112025
76-14-2	Dichlorotetrafluoroethane	11.0	76.9		1	1.05	3.49	11/20/25 12:07	VL112025
75-65-0	tert-Butyl alcohol	9.30	28.2		1	0.49	1.52	11/20/25 12:07	VL112025
142-82-5	Heptane	8.90	36.5		1	0.70	2.05	11/20/25 12:07	VL112025
75-35-4	1,1-Dichloroethene	10.6	42.0		1	0.59	1.98	11/20/25 12:07	VL112025
67-64-1	Acetone	8.50	20.2		1	0.43	1.19	11/20/25 12:07	VL112025
75-15-0	Carbon Disulfide	10.9	33.9		1	0.25	1.56	11/20/25 12:07	VL112025
1634-04-4	Methyl tert-Butyl Ether	9.90	35.7		1	0.83	1.80	11/20/25 12:07	VL112025
75-09-2	Methylene Chloride	11.8	41.0		1	0.80	1.74	11/20/25 12:07	VL112025
156-60-5	trans-1,2-Dichloroethene	10.6	42.0		1	0.48	1.98	11/20/25 12:07	VL112025
75-34-3	1,1-Dichloroethane	11.0	44.5		1	0.53	2.02	11/20/25 12:07	VL112025
110-82-7	Cyclohexane	9.60	33.0		1	0.76	1.72	11/20/25 12:07	VL112025
78-93-3	2-Butanone	9.30	27.4		1	0.18	1.47	11/20/25 12:07	VL112025
56-23-5	Carbon Tetrachloride	11.5	72.3		1	0.19	0.19	11/20/25 12:07	VL112025
156-59-2	cis-1,2-Dichloroethene	10.0	39.6		1	0.40	1.98	11/20/25 12:07	VL112025
67-66-3	Chloroform	11.7	57.1		1	0.49	2.44	11/20/25 12:07	VL112025
71-55-6	1,1,1-Trichloroethane	11.2	61.1		1	0.11	0.16	11/20/25 12:07	VL112025
540-84-1	2,2,4-Trimethylpentane	9.60	44.8		1	0.65	2.34	11/20/25 12:07	VL112025
71-43-2	Benzene	10.0	31.9		1	0.26	1.60	11/20/25 12:07	VL112025
107-06-2	1,2-Dichloroethane	11.3	45.7		1	0.36	2.02	11/20/25 12:07	VL112025
79-01-6	Trichloroethene	10.6	57.0		1	0.11	0.16	11/20/25 12:07	VL112025
78-87-5	1,2-Dichloropropane	9.70	44.8		1	0.60	2.31	11/20/25 12:07	VL112025
75-27-4	Bromodichloromethane	11.2	75.0		1	0.40	3.35	11/20/25 12:07	VL112025
108-10-1	4-Methyl-2-Pentanone	8.90	36.5		1	0.41	2.05	11/20/25 12:07	VL112025
108-88-3	Toluene	9.60	36.2		1	0.60	1.88	11/20/25 12:07	VL112025
10061-02-6	t-1,3-Dichloropropene	7.50	34.0		1	0.68	2.27	11/20/25 12:07	VL112025
10061-01-5	cis-1,3-Dichloropropene	7.80	35.4		1	0.50	2.27	11/20/25 12:07	VL112025
79-00-5	1,1,2-Trichloroethane	10.4	56.7		1	0.44	2.73	11/20/25 12:07	VL112025
124-48-1	Dibromochloromethane	10.9	92.9		1	0.77	4.26	11/20/25 12:07	VL112025
106-93-4	1,2-Dibromoethane	9.70	74.5		1	0.69	0.77	11/20/25 12:07	VL112025
127-18-4	Tetrachloroethene	10.4	70.5		1	0.14	0.20	11/20/25 12:07	VL112025
108-90-7	Chlorobenzene	10.7	49.3		1	0.37	2.30	11/20/25 12:07	VL112025
100-41-4	Ethyl Benzene	10.4	45.2		1	0.83	2.17	11/20/25 12:07	VL112025
179601-23-1	m/p-Xylene	21.4	93.0		1	1.78	4.34	11/20/25 12:07	VL112025
95-47-6	o-Xylene	10.7	46.5		1	0.91	2.17	11/20/25 12:07	VL112025
100-42-5	Styrene	9.40	40.0		1	0.68	2.13	11/20/25 12:07	VL112025
75-25-2	Bromoform	11.0	114		1	0.52	5.17	11/20/25 12:07	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	10.4	71.4		1	0.14	0.21	11/20/25 12:07	VL112025
95-49-8	2-Chlorotoluene	10.3	53.3		1	0.88	2.59	11/20/25 12:07	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Flair Cleaners	Date Received:	
Client Sample ID:	VL1120ABS01	SDG No.:	Q3655
Lab Sample ID:	VL1120ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	10.6	52.1		1	0.88	2.46	11/20/25 12:07	VL112025
95-63-6	1,2,4-Trimethylbenzene	10.6	52.1		1	0.88	2.46	11/20/25 12:07	VL112025
541-73-1	1,3-Dichlorobenzene	10.8	64.9		1	0.30	3.01	11/20/25 12:07	VL112025
106-46-7	1,4-Dichlorobenzene	10.6	63.7		1	0.78	3.01	11/20/25 12:07	VL112025
95-50-1	1,2-Dichlorobenzene	10.6	63.7		1	0.78	3.01	11/20/25 12:07	VL112025
120-82-1	1,2,4-Trichlorobenzene	10.8	80.2		1	1.56	3.71	11/20/25 12:07	VL112025
87-68-3	Hexachloro-1,3-Butadiene	10.0	107		1	1.39	5.33	11/20/25 12:07	VL112025
106-99-0	1,3-Butadiene	9.80	21.7		1	0.11	1.11	11/20/25 12:07	VL112025
91-20-3	Naphthalene	9.80	51.4		1	0.050	0.52	11/20/25 12:07	VL112025
622-96-8	4-Ethyltoluene	10.5	51.6		1	1.03	2.46	11/20/25 12:07	VL112025
110-54-3	Hexane	9.50	33.5		1	0.56	1.76	11/20/25 12:07	VL112025
107-05-1	Allyl Chloride	8.80	27.5		1	0.34	1.57	11/20/25 12:07	VL112025
123-91-1	1,4-Dioxane	8.20	29.6		1	0.79	1.80	11/20/25 12:07	VL112025
80-62-6	Methyl Methacrylate	8.90	36.4		1	0.57	2.05	11/20/25 12:07	VL112025
SURROGATES									
460-00-4	1-Bromo-4-Fluorobenzene	10.5				70 (65) - 130 (135)	105% SPK: 10		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	101000							
540-36-3	1,4-Difluorobenzene	270000							
3114-55-4	Chlorobenzene-d5	214000							

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\VL112025\
Data File : VL043260.D
Acq On : 20 Nov 2025 12:07
Operator : SY/MD
Sample : VL1120ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	101372	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	270113	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	214473	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	164533	10.466	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	164798	11.526	ppbv	99
3) Chlorodifluoromethane	1.476	51	142815	10.157	ppbv	95
4) Chloromethane	1.534	50	55072	10.302	ppbv	96
5) Vinyl Chloride	1.580	62	55657	9.520	ppbv	93
6) Bromomethane	1.667	94	25862	9.126	ppbv	82
7) Chloroethane	1.703	64	22017	9.670	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	131076	11.021	ppbv	98
9) Propene	1.483	41	53732m	8.999	ppbv	
10) Heptane	4.972	43	158256	8.906	ppbv	99
11) Trichlorofluoromethane	1.878	101	171548	12.384	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	126812	11.726	ppbv	99
13) Ethanol	1.719	45	17475	8.323	ppbv	99
14) Bromoethene	1.780	108	44833	10.813	ppbv	97
15) Acetone	1.832	43	119678	8.497	ppbv	100
16) 1,3-Butadiene	1.609	39	61711	9.828	ppbv	95
17) tert-Butyl alcohol	2.036	59	171332	9.268	ppbv	100
18) 1,1-Dichloroethene	2.033	96	53337	10.592	ppbv	98
19) Isopropyl Alcohol	1.884	45	68773	8.642	ppbv	90
20) Methylene Chloride	2.062	84	48243	11.763	ppbv	93
21) Allyl Chloride	2.094	41	83462	8.808	ppbv	92
22) trans-1,2-Dichloroethene	2.340	96	61279	10.647	ppbv	93
23) Vinyl Acetate	2.460	43	142709	8.393	ppbv	98
24) 1,1-Dichloroethane	2.408	63	121792	10.962	ppbv	98
25) Ethyl Acetate	2.829	43	281330	9.262	ppbv	99
26) Hexane	2.823	57	126532	9.501	ppbv	99
27) Carbon Disulfide	2.149	76	148765	10.942	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	64675	9.894	ppbv	98
29) Chloroform	2.845	83	220567	11.652	ppbv	96
30) Cyclohexane	3.852	84	107088	9.591	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	131746	9.953	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	225329	11.168	ppbv	99
34) 2-Butanone	2.551	43	177069	9.287	ppbv	100
35) Carbon Tetrachloride	3.758	117	236089	11.515	ppbv	98
36) Benzene	3.651	78	257481	9.954	ppbv	98
37) 1,2-Dichloroethane	3.214	62	171416	11.329	ppbv	97
38) Trichloroethene	4.541	130	107097	10.582	ppbv	93
39) 1,2-Dichloropropane	4.308	63	92063	9.724	ppbv	87
40) 1,4-Dioxane	4.570	88	35055	8.236	ppbv #	93
41) Tetrahydrofuran	3.046	42	92013	8.739	ppbv	100
42) Bromodichloromethane	4.480	83	232959	11.161	ppbv	100
43) Methyl Methacrylate	4.865	69	122481	8.920	ppbv	96
44) 2,2,4-Trimethylpentane	4.632	57	428558	9.646	ppbv	98
45) t-1,3-Dichloropropene	6.402	75	96138	7.511	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043260.D
Acq On : 20 Nov 2025 12:07
Operator : SY/MD
Sample : VL1120ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	117380	7.810	ppbv	98
47) 1,1,2-Trichloroethane	6.571	97	104185	10.369	ppbv	97
48) Dibromochloromethane	7.377	129	188165	10.892	ppbv	99
49) Bromoform	9.474	173	168175	10.991	ppbv	99
50) 4-Methyl-2-Pentanone	5.736	43	237956	8.859	ppbv	99
51) 2-Hexanone	7.425	43	170769	8.187	ppbv #	99
52) Tetrachloroethene	8.218	164	99982	10.391	ppbv	98
53) Toluene	6.927	91	294482	9.614	ppbv	100
54) 1,2-Dibromoethane	7.642	107	143721	9.720	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	176862	11.221	ppbv	99
57) Chlorobenzene	8.914	112	234816	10.664	ppbv	99
58) Ethyl Benzene	9.348	91	427546	10.357	ppbv	99
59) m/p-Xylene	9.542	91	708974m	21.422	ppbv	
60) o-Xylene	9.956	91	353595	10.695	ppbv	99
61) Styrene	9.862	104	135477	9.363	ppbv	98
62) Isopropylbenzene	10.532	105	634112	10.720	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.953	83	218173	10.371	ppbv	99
64) n-propylbenzene	10.982	120	159286	10.480	ppbv	97
65) tert-Butylbenzene	11.526	119	552915	10.467	ppbv	98
66) Benzyl Chloride	11.610	91	22396	4.178	ppbv	98
67) sec-Butylbenzene	11.762	105	779369	10.570	ppbv	99
69) p-Isopropyltoluene	11.921	119	649941	10.405	ppbv	100
70) n-Butylbenzene	12.277	91	622858	10.278	ppbv	100
71) 2-Chlorotoluene	10.895	91	469961	10.337	ppbv	100
72) 4-Ethyltoluene	11.118	105	423927	10.529	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	358599	10.613	ppbv	95
74) 1,2,4-Trimethylbenzene	11.532	105	392516	10.645	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	231654	10.765	ppbv	99
76) 1,4-Dichlorobenzene	11.665	146	229039	10.642	ppbv	100
77) 1,2-Dichlorobenzene	11.944	146	220159	10.642	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	171979	9.961	ppbv	100
79) Naphthalene	13.507	128	319763	9.764	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	75079	8.734	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	157618	10.761	ppbv	99

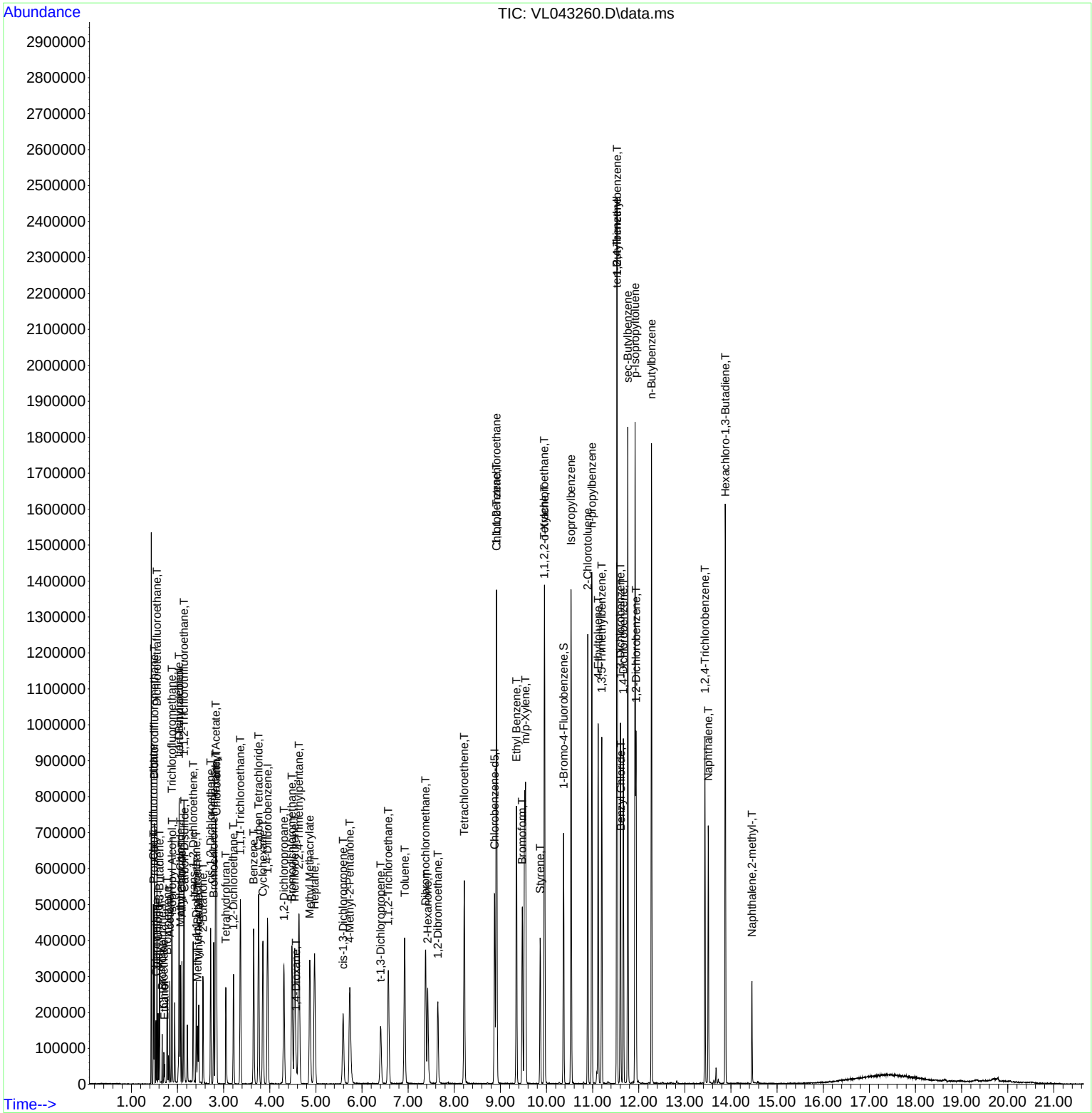
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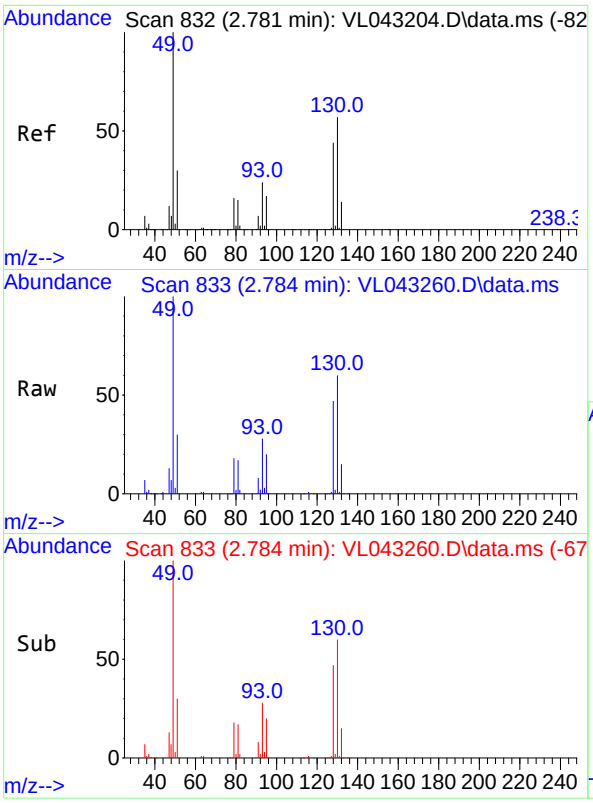
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Data File : VL043260.D
Acq On : 20 Nov 2025 12:07
Operator : SY/MD
Sample : VL1120ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

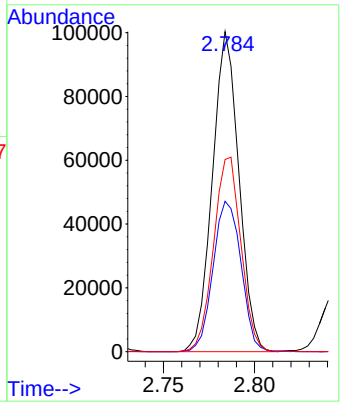




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 49 Resp: 10137

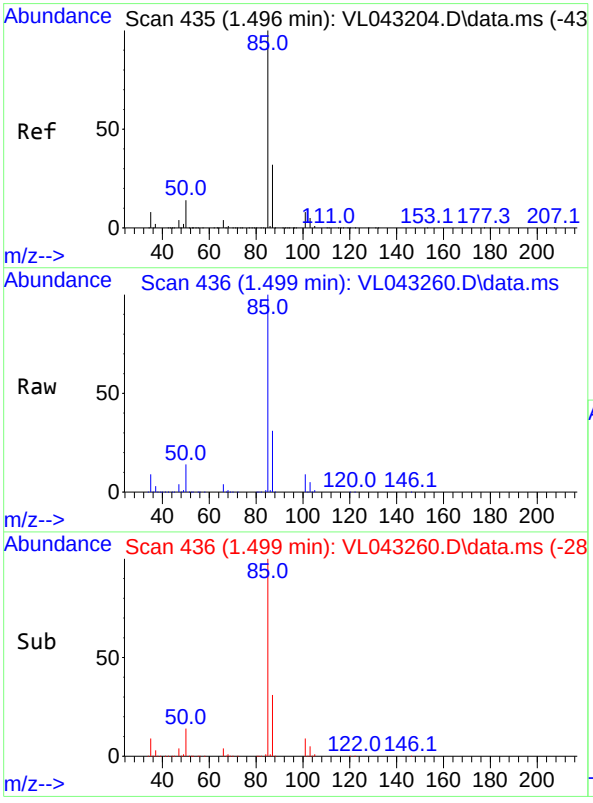
Ion	Ratio	Lower	Upper
49	100		
128	49.8	23.0	69.0
130	62.8	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

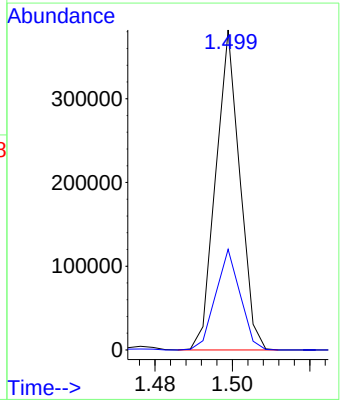
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

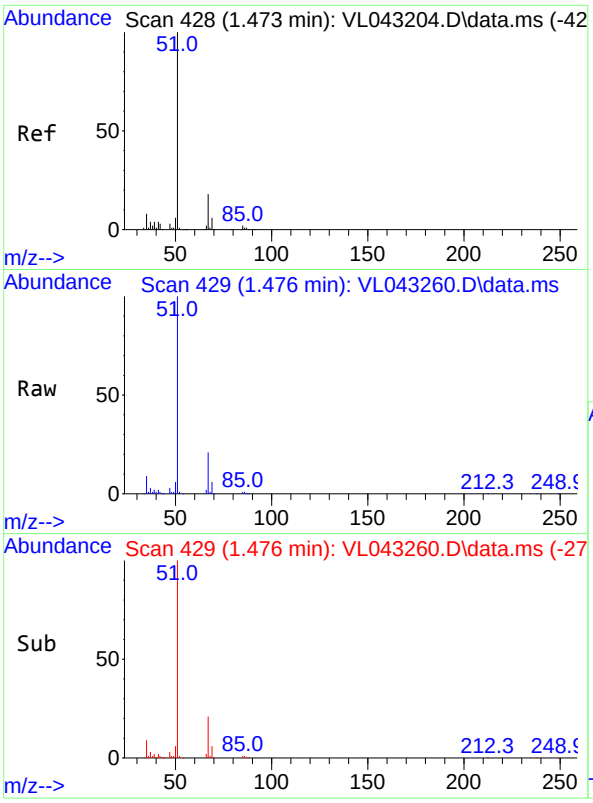


#2
Dichlorodifluoromethane
Concen: 11.526 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 85 Resp: 164798

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.4	38.2

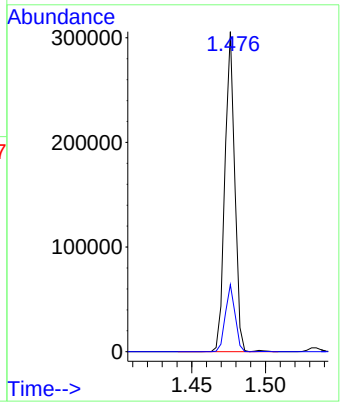




#3
Chlorodifluoromethane
Concen: 10.157 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 51 Resp: 14281

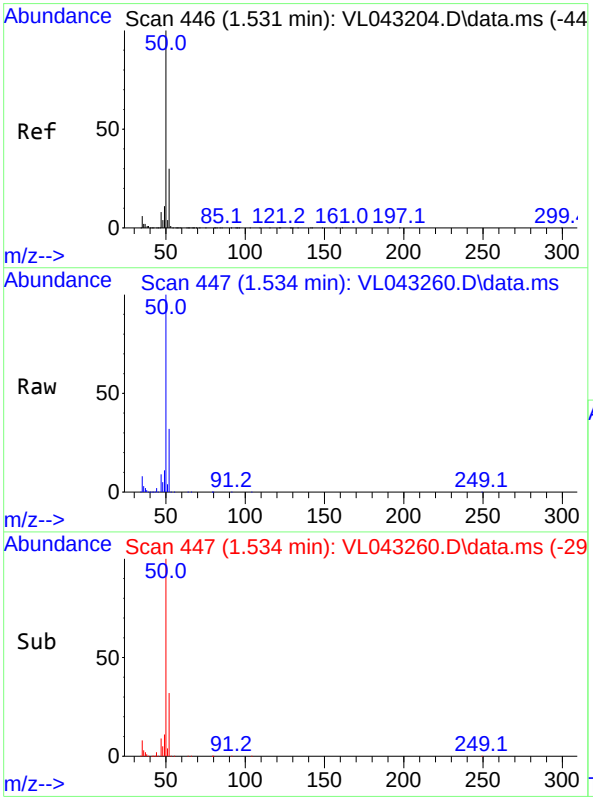
Ion	Ratio	Lower	Upper
51	100		
67	20.7	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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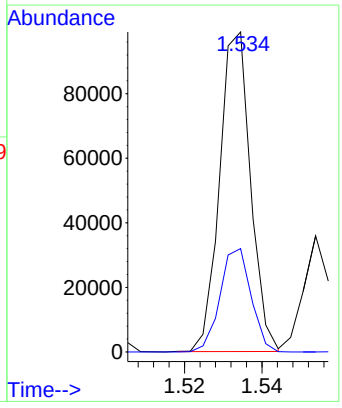
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

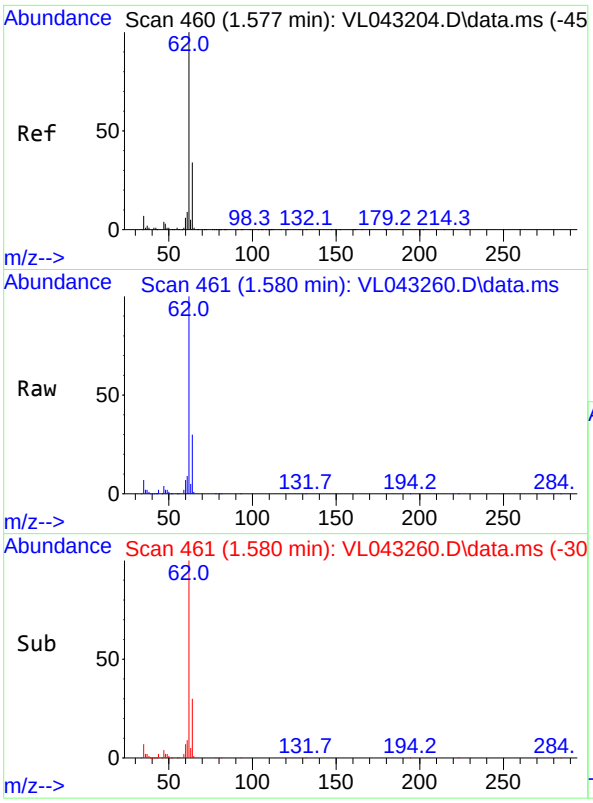


#4
Chloromethane
Concen: 10.302 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 50 Resp: 55072

Ion	Ratio	Lower	Upper
50	100		
52	32.4	24.1	36.1

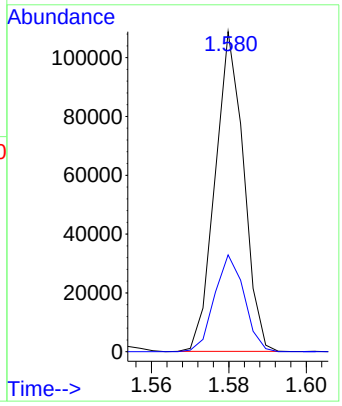




#5
Vinyl Chloride
Concen: 9.520 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 62 Resp: 5565

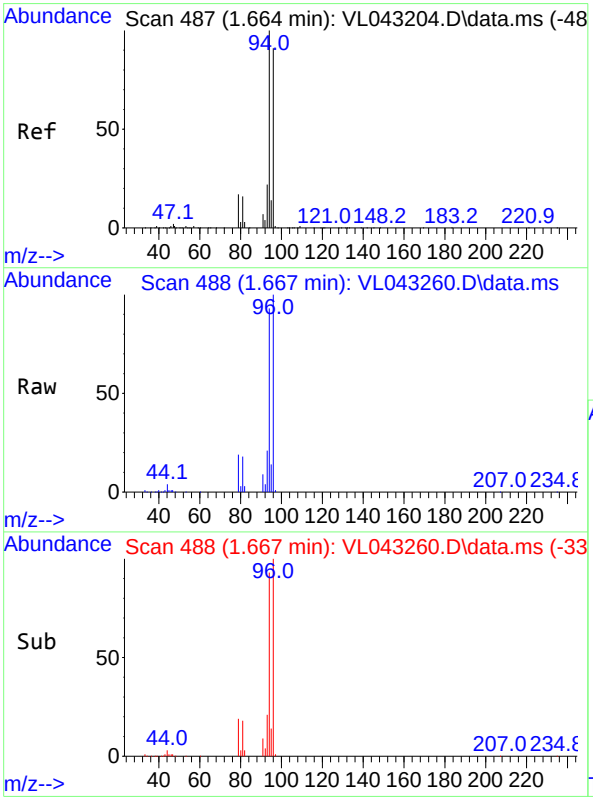
Ion	Ratio	Lower	Upper
62	100		
64	30.3	27.3	40.9



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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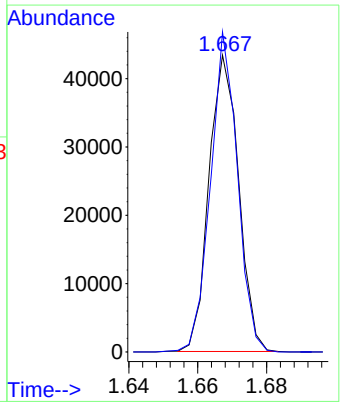
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

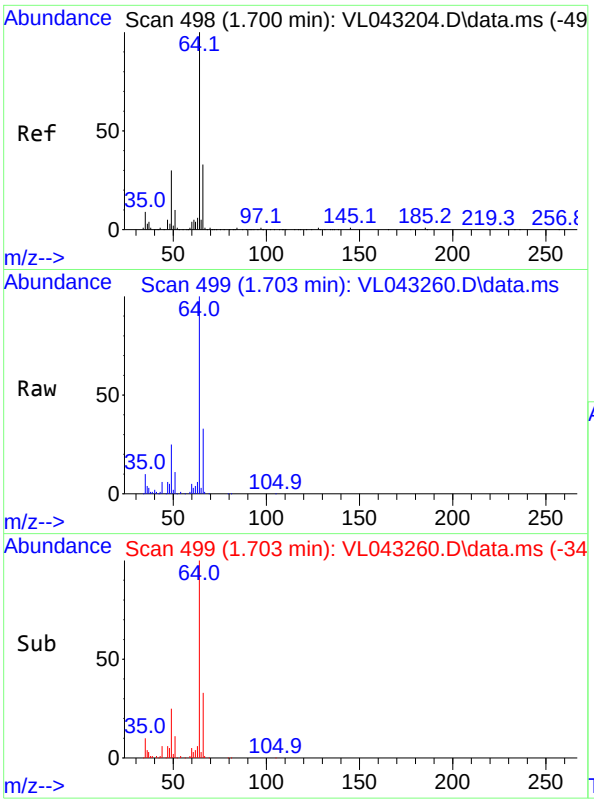


#6
Bromomethane
Concen: 9.126 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 94 Resp: 25862

Ion	Ratio	Lower	Upper
94	100		
96	108.0	72.9	109.3

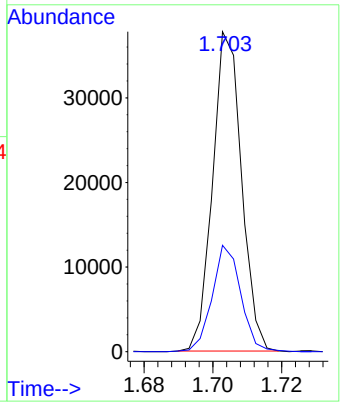




#7
Chloroethane
Concen: 9.670 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 64 Resp: 2201

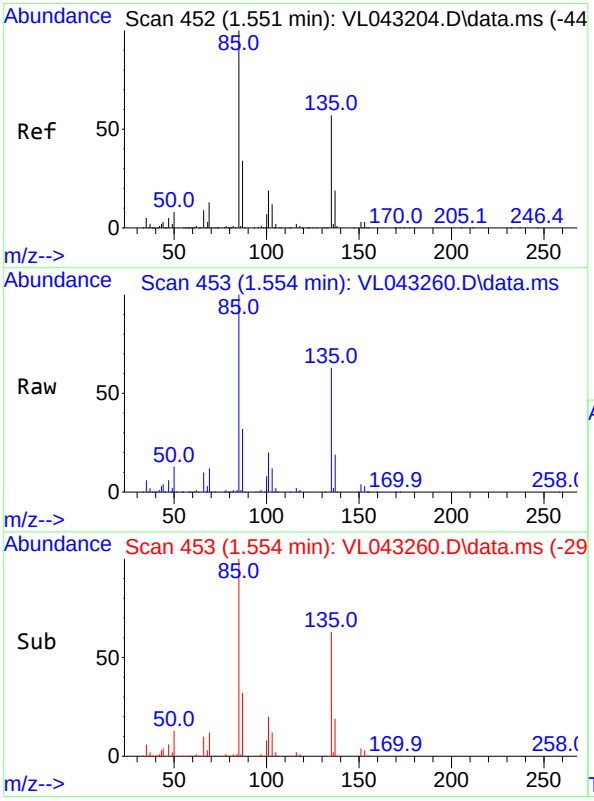
Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.8	40.2



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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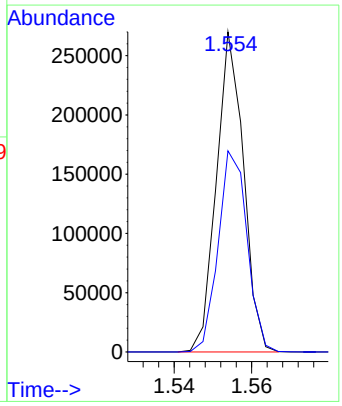
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

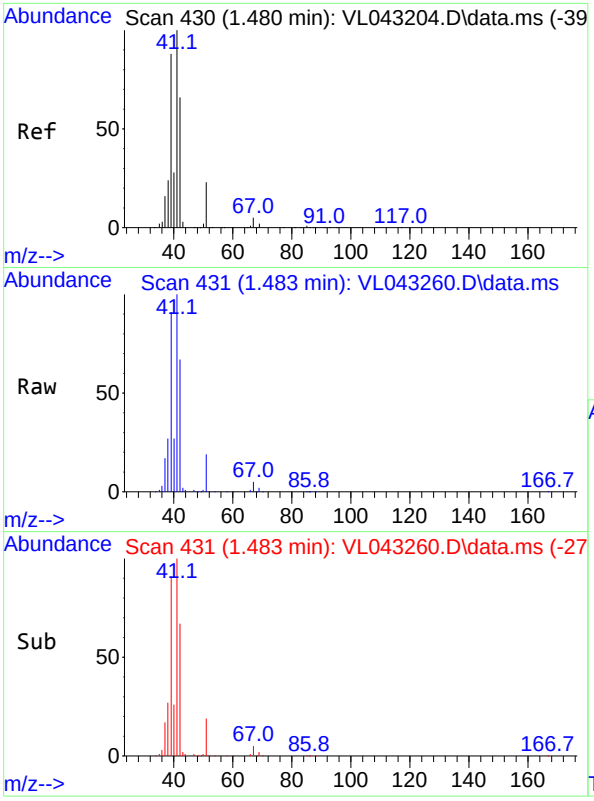


#8
Dichlorotetrafluoroethane
Concen: 11.021 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 85 Resp: 131076

Ion	Ratio	Lower	Upper
85	100		
135	67.1	52.6	79.0

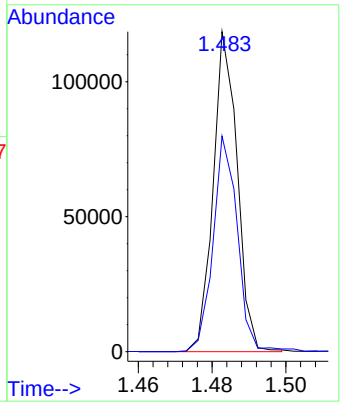




#9
Propene
Concen: 8.999 ppbv m
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 41 Resp: 5373

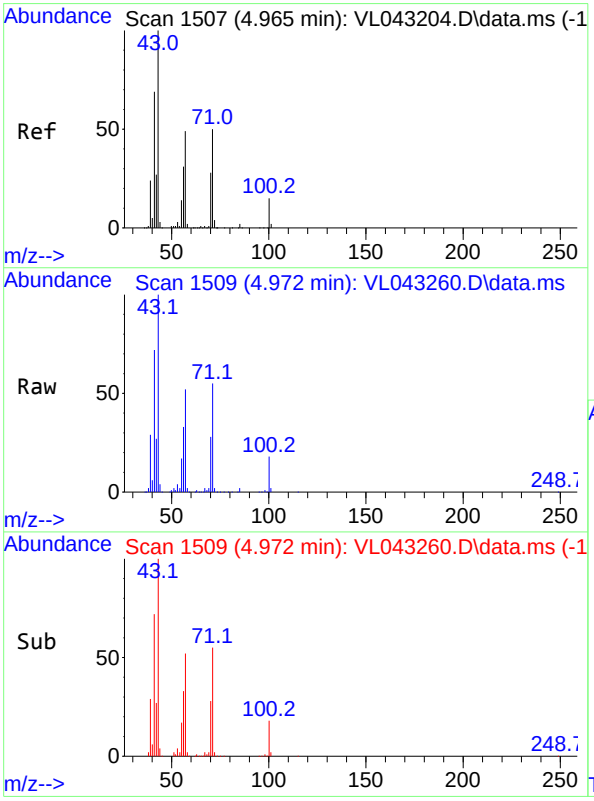
Ion	Ratio	Lower	Upper
41	100		
42	5.4	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

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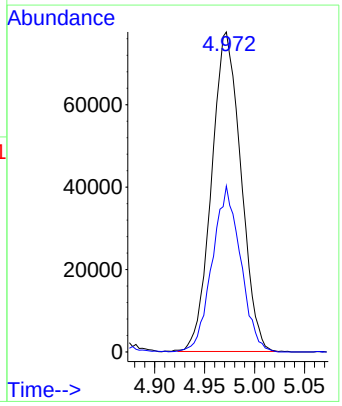
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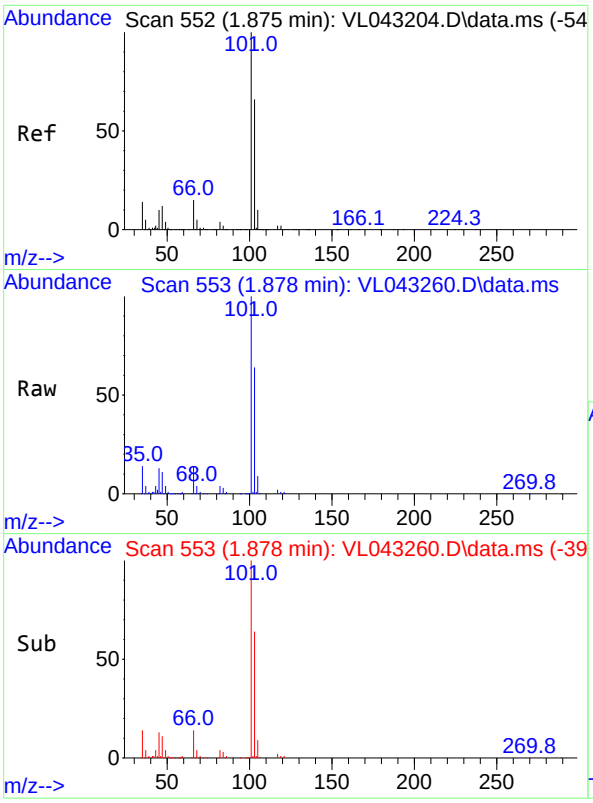


#10
Heptane
Concen: 8.906 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 158256

Ion	Ratio	Lower	Upper
43	100		
57	50.2	39.7	59.5

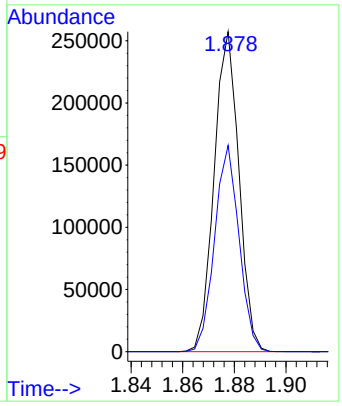




#11
Trichlorofluoromethane
Concen: 12.384 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:101 Resp: 17154

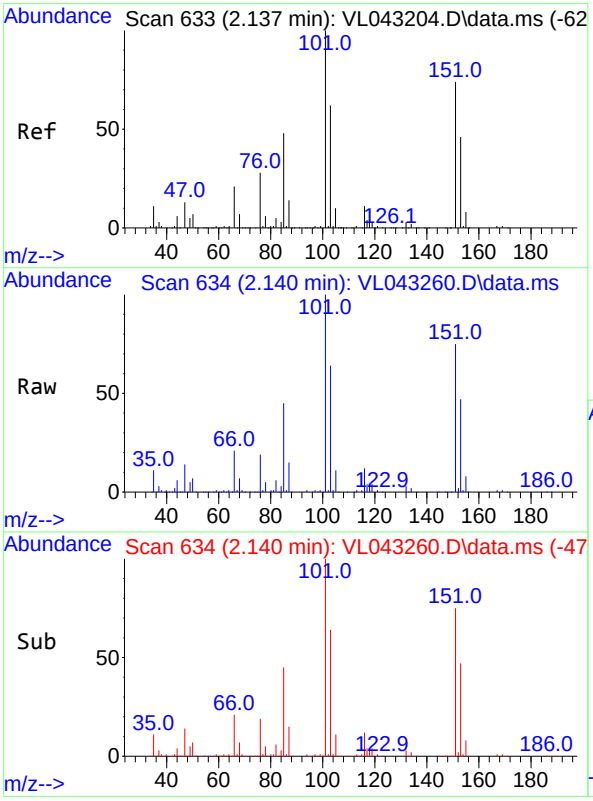
Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
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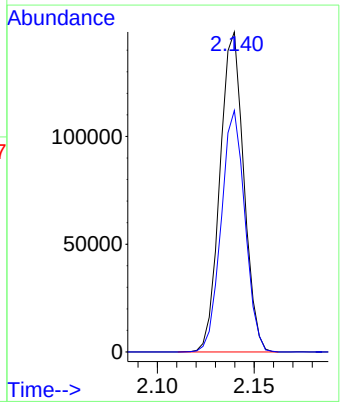
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

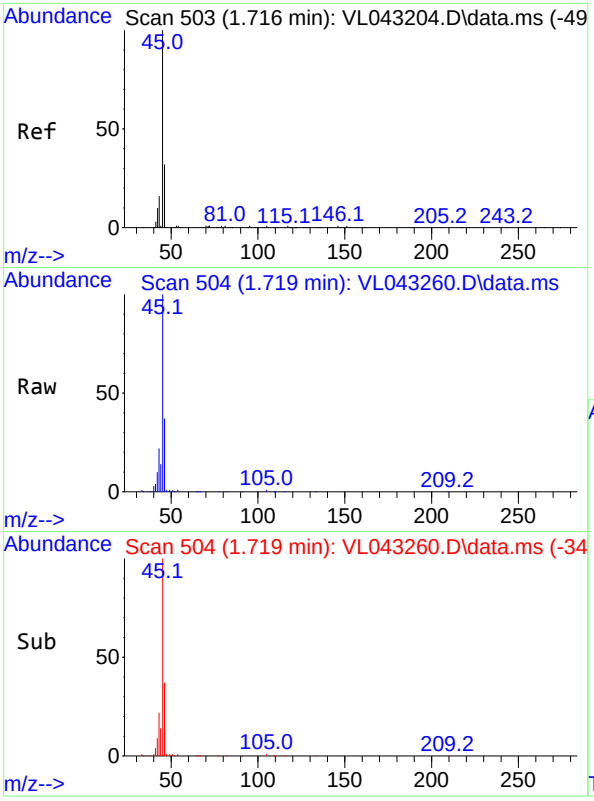


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.726 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:101 Resp: 126812

Ion	Ratio	Lower	Upper
101	100		
151	75.2	59.2	88.8

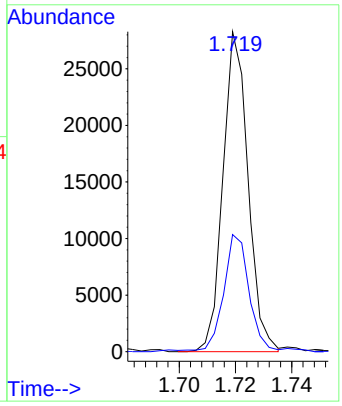




#13
Ethanol
Concen: 8.323 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 45 Resp: 1747

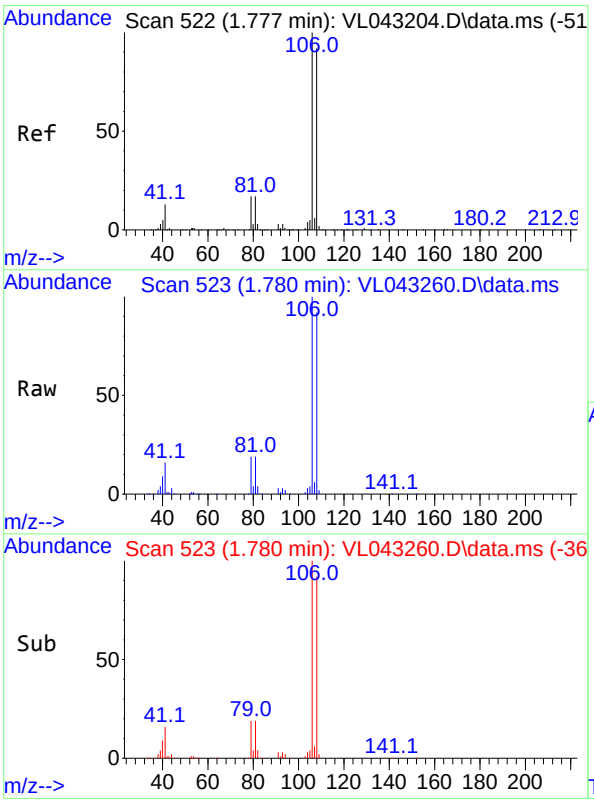
Ion	Ratio	Lower	Upper
45	100		
46	38.3	15.0	59.8



Instrument :
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VL1120ABS01

Manual Integrations
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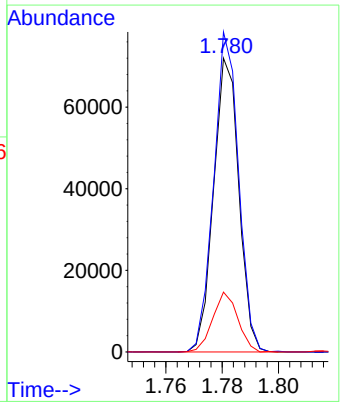
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

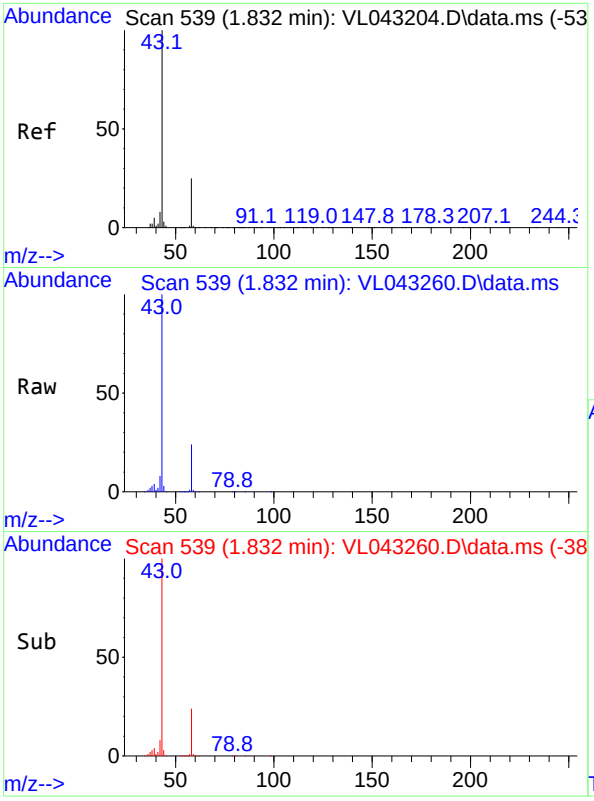


#14
Bromoethene
Concen: 10.813 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:108 Resp: 44833

Ion	Ratio	Lower	Upper
108	100		
106	107.3	88.9	133.3
79	20.4	16.5	24.7

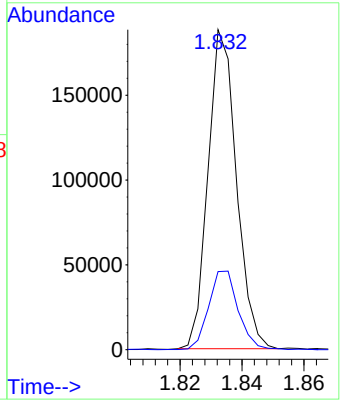




#15
Acetone
Concen: 8.497 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 11967

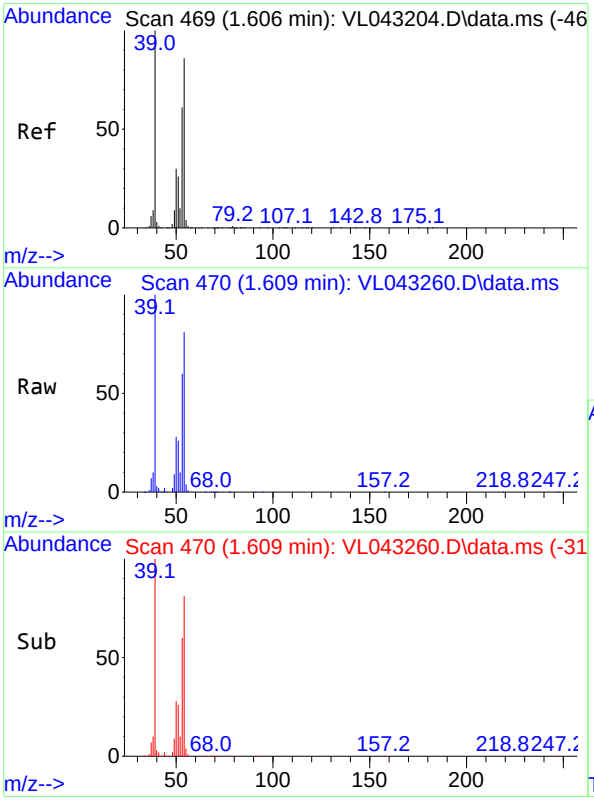
Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.7	31.1



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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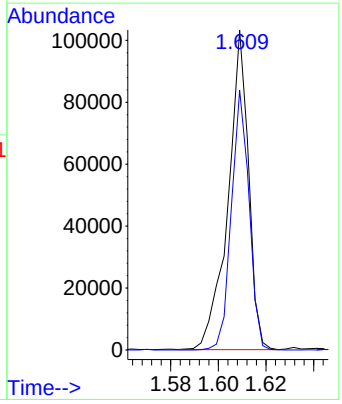
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

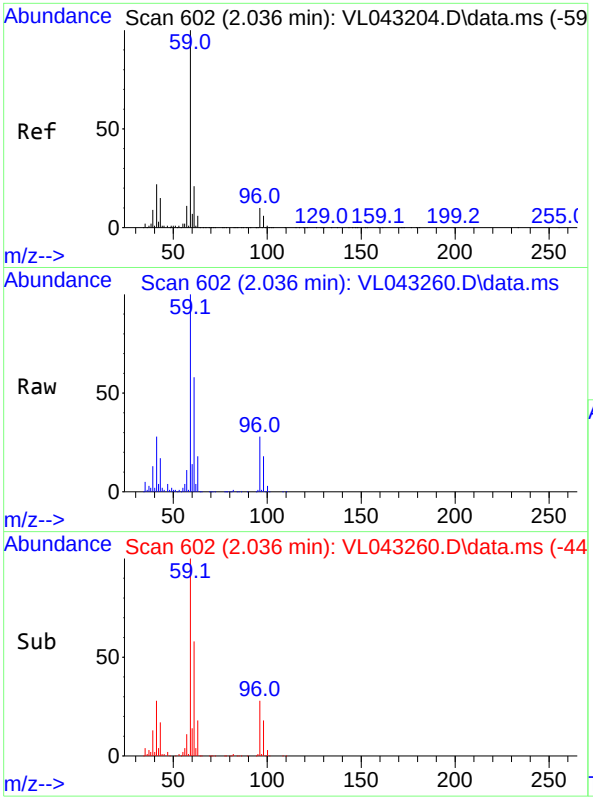


#16
1,3-Butadiene
Concen: 9.828 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 39 Resp: 61711

Ion	Ratio	Lower	Upper
39	100		
54	70.0	59.4	89.2

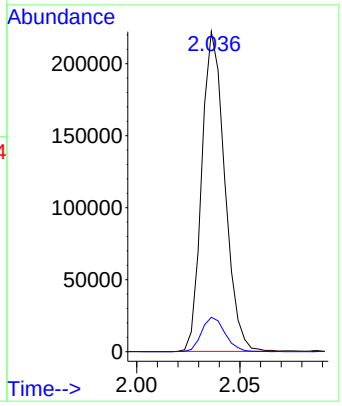




#17
tert-Butyl alcohol
Concen: 9.268 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 59 Resp: 17133

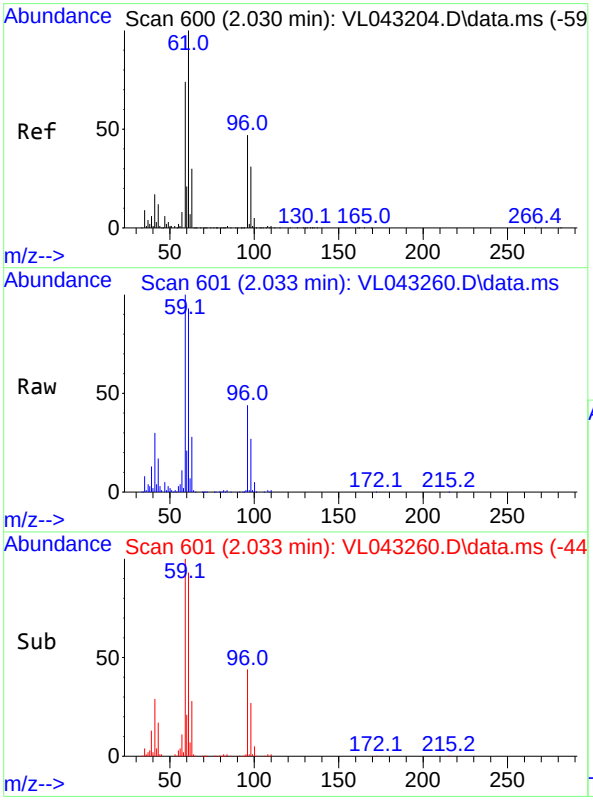
Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.4



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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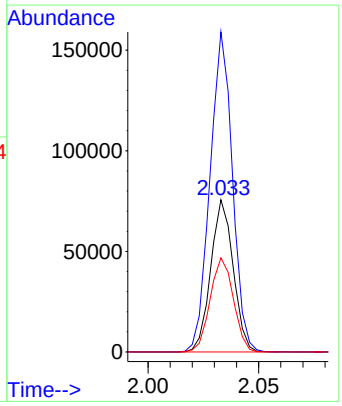
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

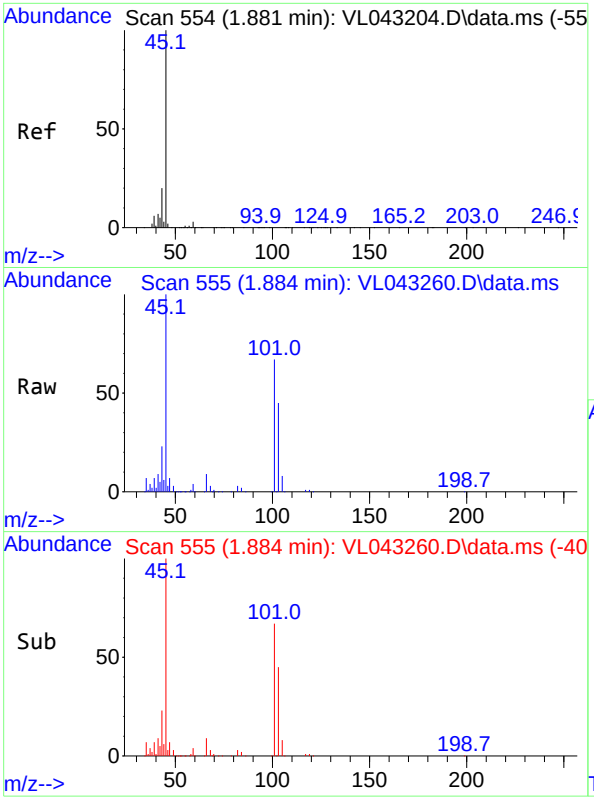


#18
1,1-Dichloroethene
Concen: 10.592 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 96 Resp: 53337

Ion	Ratio	Lower	Upper
96	100		
61	210.4	170.6	255.8
98	61.9	52.2	78.4

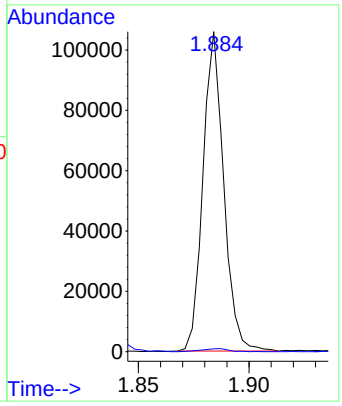




#19
Isopropyl Alcohol
Concen: 8.642 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 45 Resp: 6877

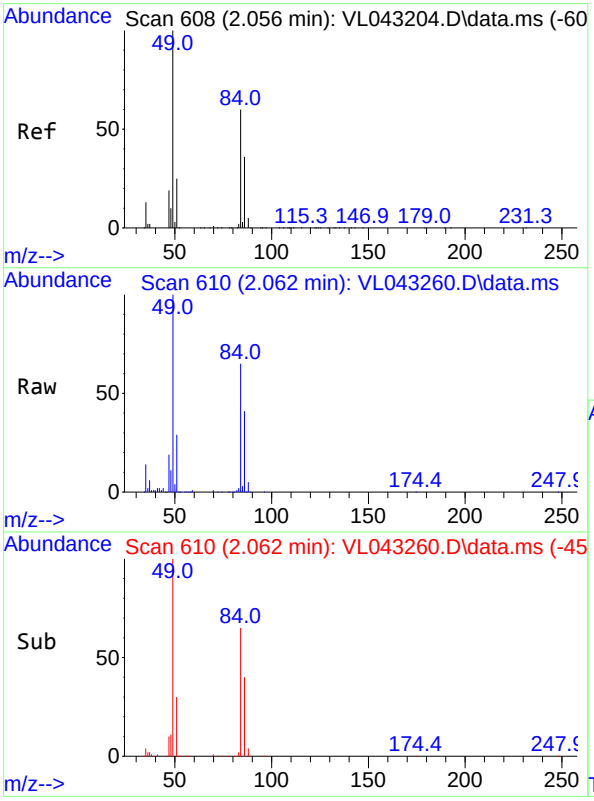
Ion	Ratio	Lower	Upper
45	100		
58	45.1	31.3	46.9



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

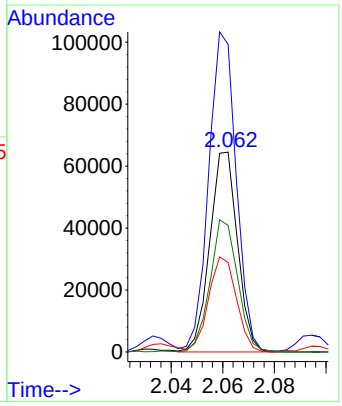
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

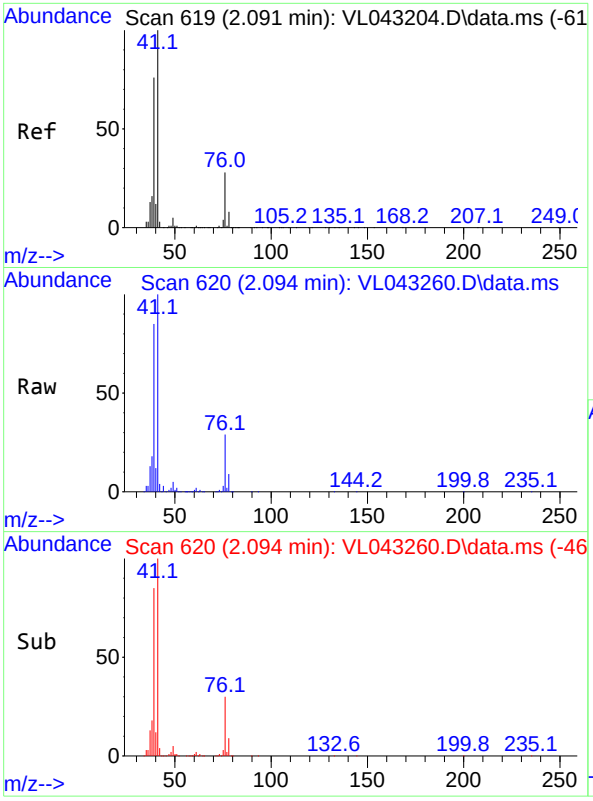


#20
Methylene Chloride
Concen: 11.763 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 84 Resp: 48243

Ion	Ratio	Lower	Upper
84	100		
49	153.6	132.9	199.3
51	44.5	34.8	52.2
86	63.2	48.2	72.2

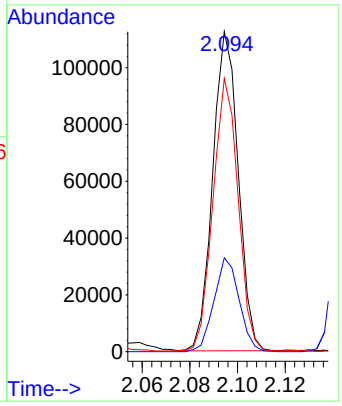




#21
Allyl Chloride
Concen: 8.808 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 41 Resp: 8346

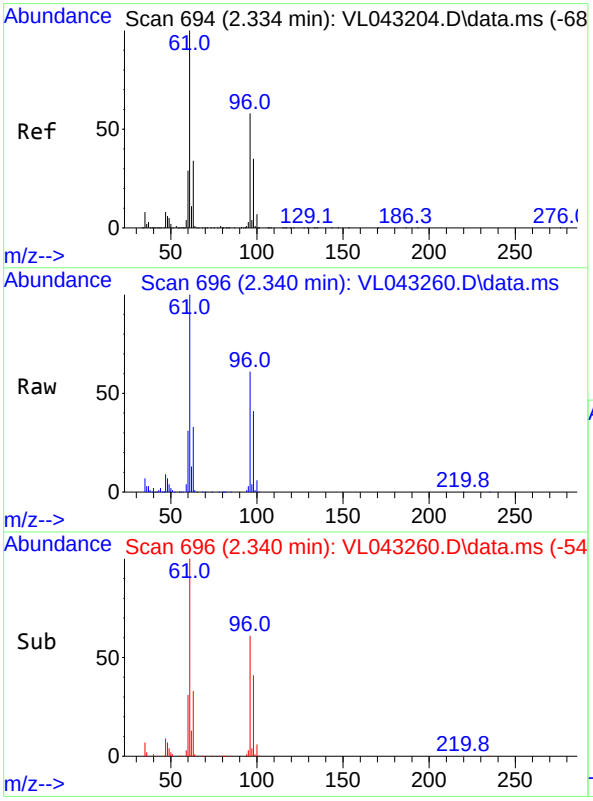
Ion	Ratio	Lower	Upper
41	100		
76	29.0	22.1	33.1
39	84.2	61.0	91.4



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

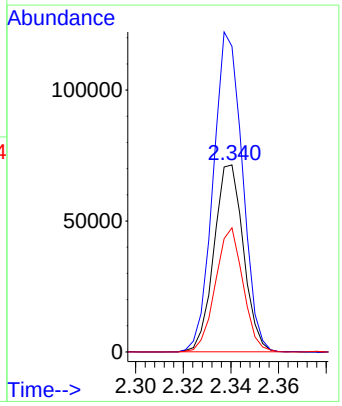
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

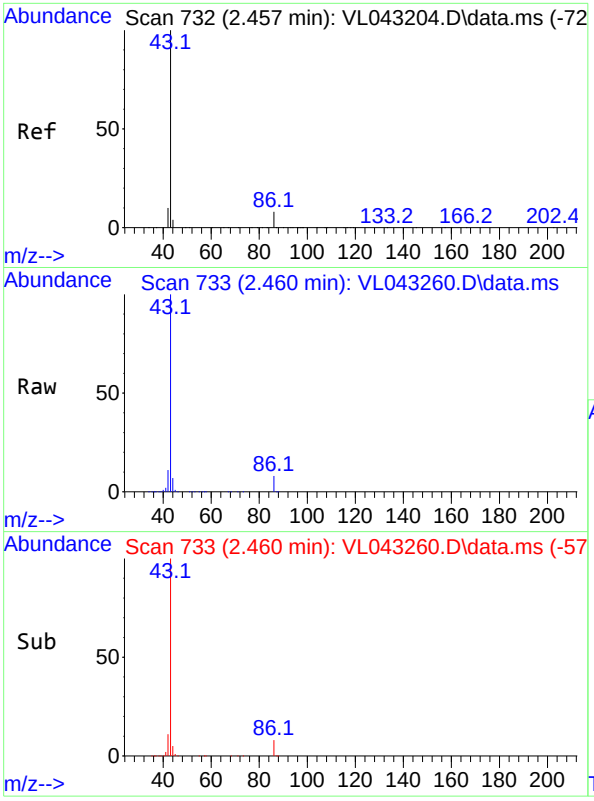


#22
trans-1,2-Dichloroethene
Concen: 10.647 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 96 Resp: 61279

Ion	Ratio	Lower	Upper
96	100		
61	163.5	139.0	208.6
98	66.4	49.4	74.2

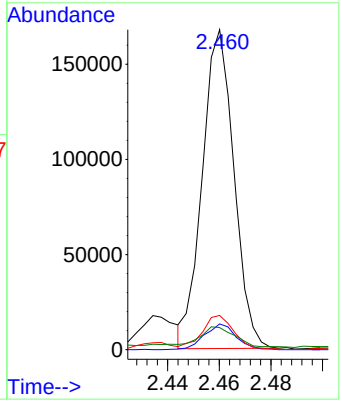




#23
Vinyl Acetate
Concen: 8.393 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 14270

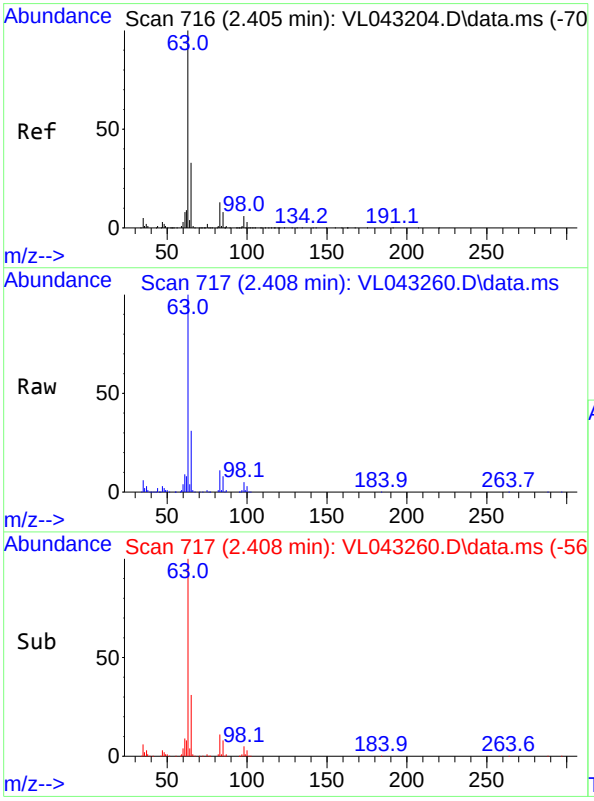
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.2
42	10.6	8.0	12.0
44	6.0	4.0	6.0



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

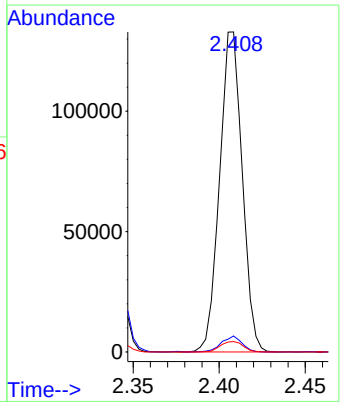
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

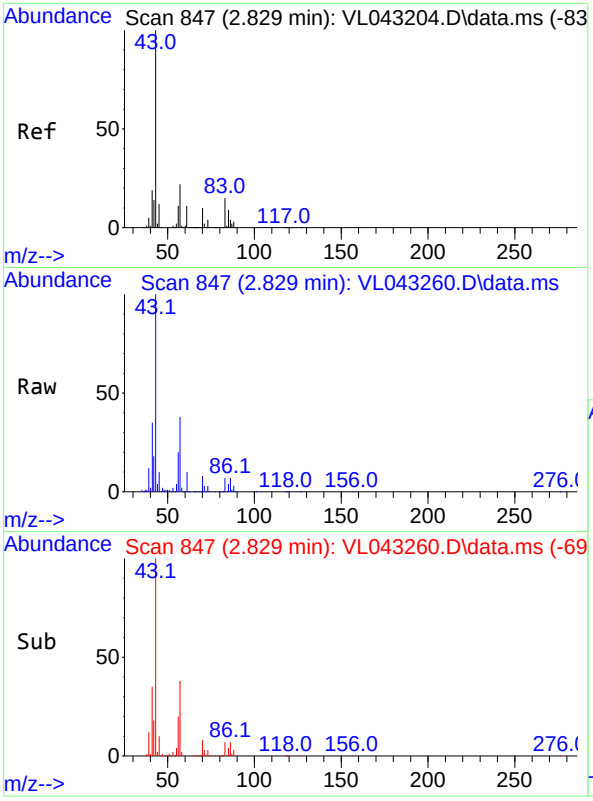


#24
1,1-Dichloroethane
Concen: 10.962 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 63 Resp: 121792

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.8	8.4
100	3.3	1.3	3.9

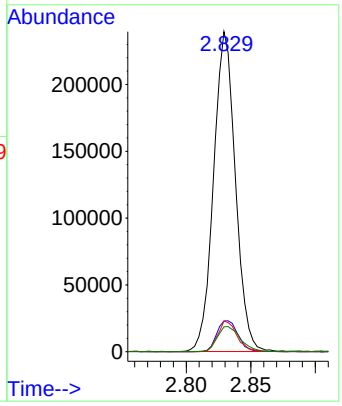




#25
Ethyl Acetate
Concen: 9.262 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 28133

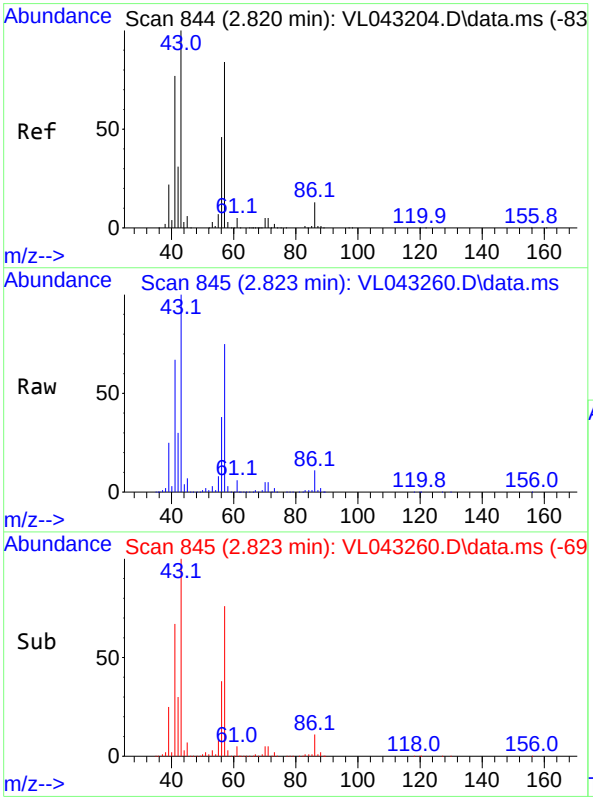
Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.5	7.0	10.4
70	8.3	7.0	10.6



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

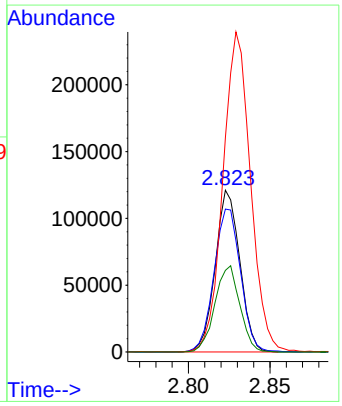
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

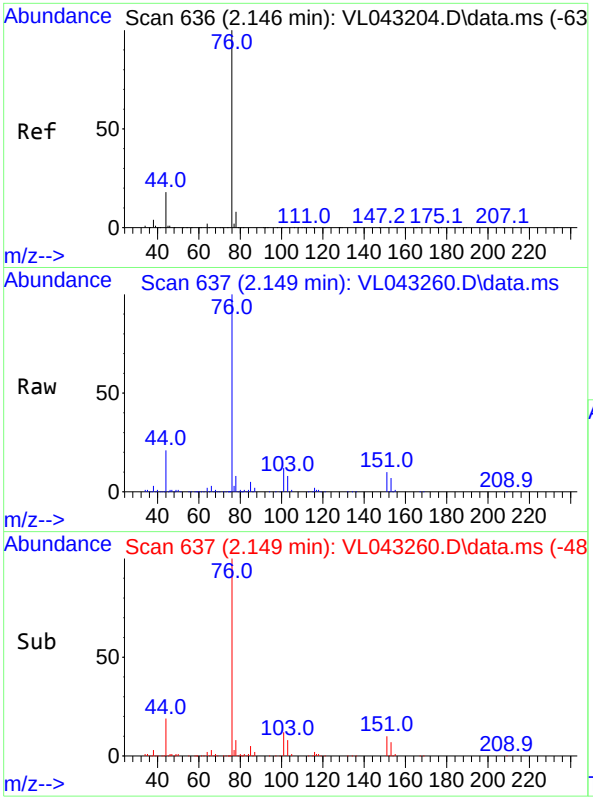


#26
Hexane
Concen: 9.501 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 57 Resp: 126532

Ion	Ratio	Lower	Upper
57	100		
41	95.8	74.6	111.8
43	224.0	179.0	268.4
56	54.1	42.3	63.5

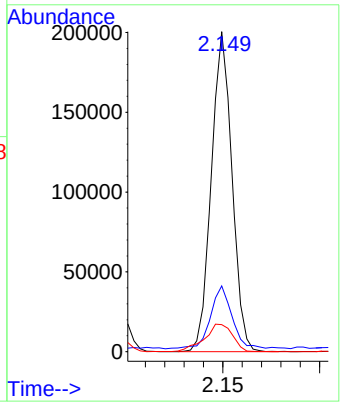




#27
Carbon Disulfide
Concen: 10.942 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 76 Resp: 14876

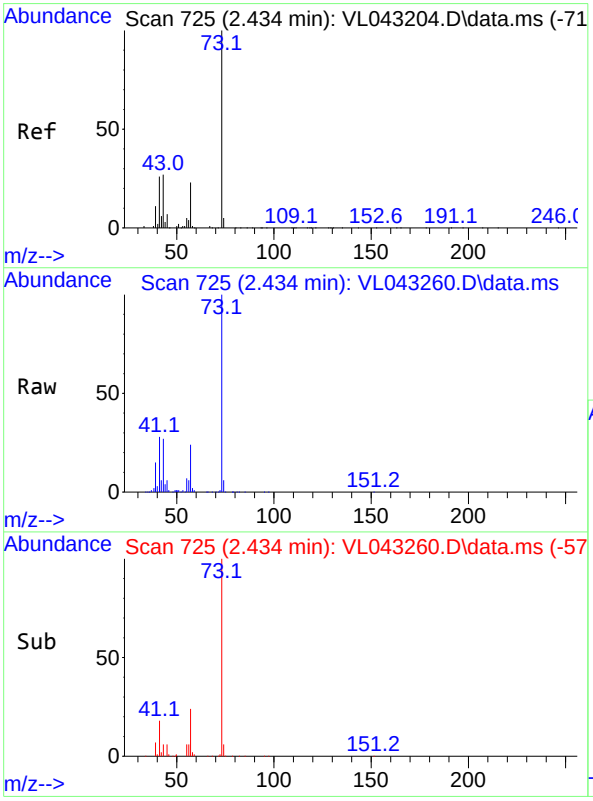
Ion	Ratio	Lower	Upper
76	100		
44	20.0	16.1	24.1
78	11.8	9.6	14.4



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

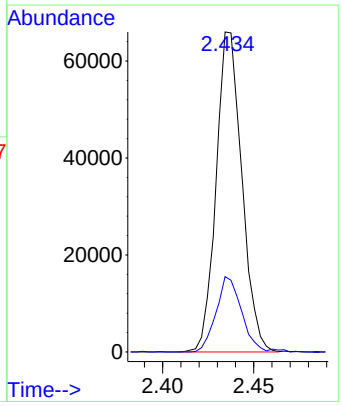
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

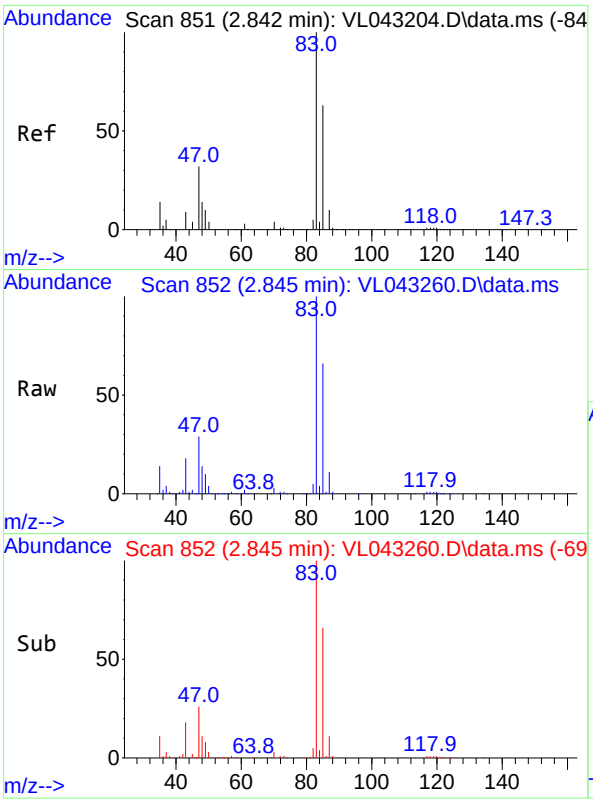


#28
Methyl tert-Butyl Ether
Concen: 9.894 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 73 Resp: 64675

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.8	29.8

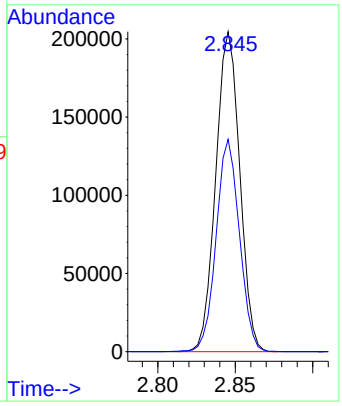




#29
Chloroform
Concen: 11.652 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 83 Resp: 22056

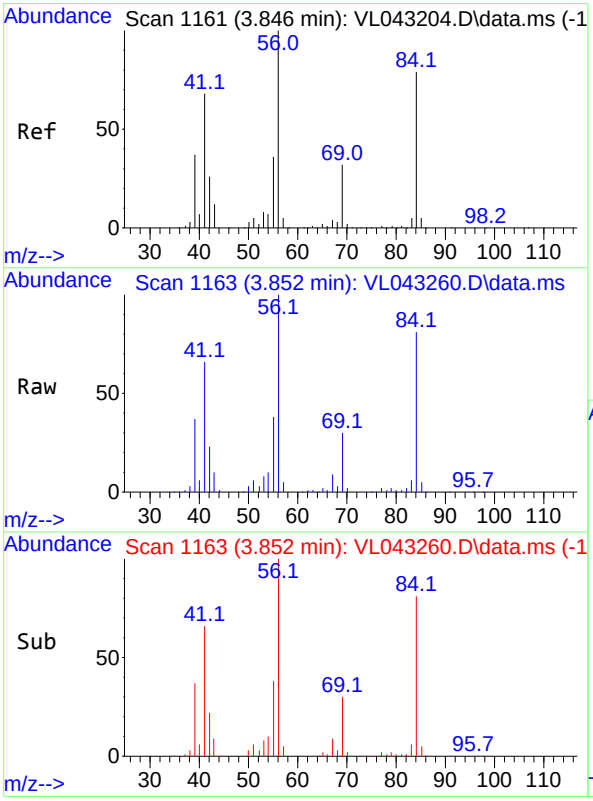
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

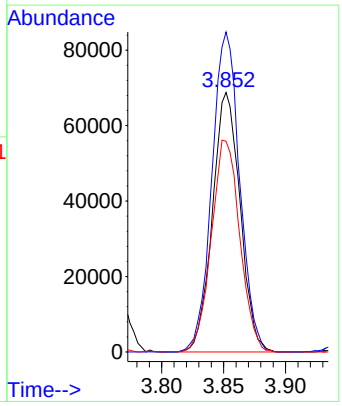
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

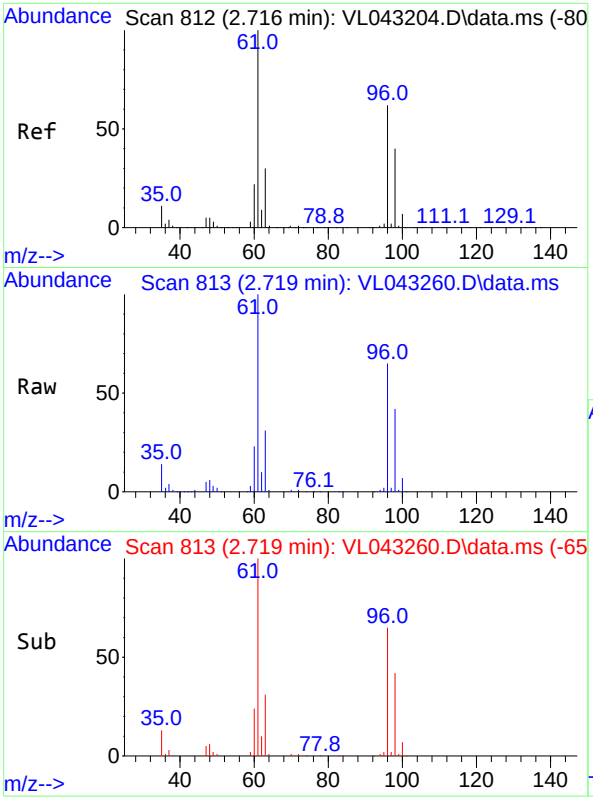


#30
Cyclohexane
Concen: 9.591 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 84 Resp: 107088

Ion	Ratio	Lower	Upper
84	100		
56	123.6	104.7	157.1
41	83.9	69.0	103.6

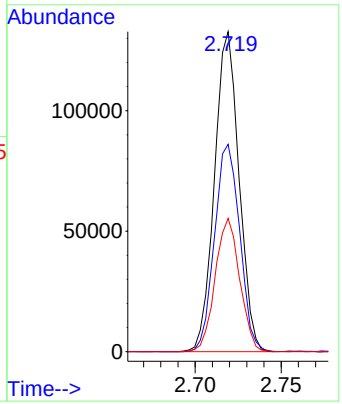




#31
cis-1,2-Dichloroethene
Concen: 9.953 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 61 Resp: 13174

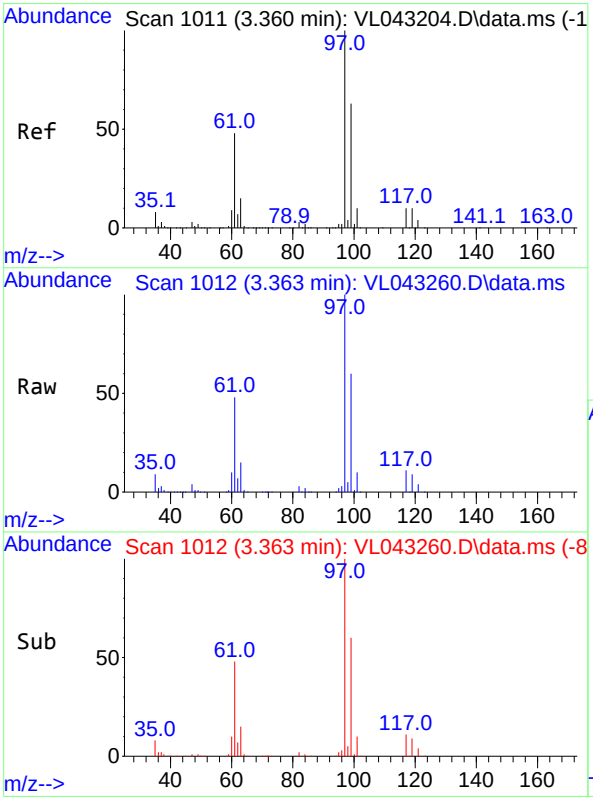
Ion	Ratio	Lower	Upper
61	100		
96	64.8	49.3	73.9
98	41.7	32.1	48.1



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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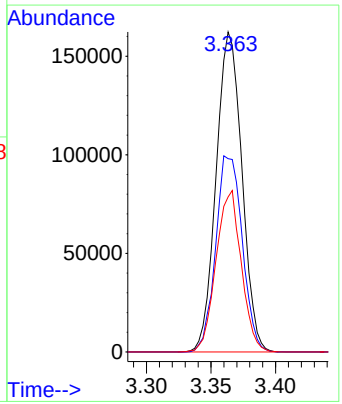
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

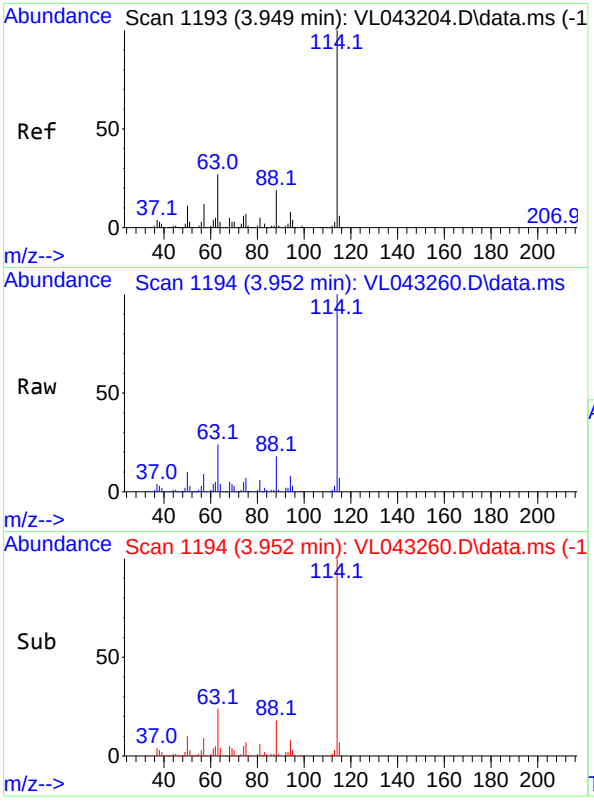


#32
1,1,1-Trichloroethane
Concen: 11.168 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 97 Resp: 225329

Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.3	75.5
61	49.5	38.9	58.3

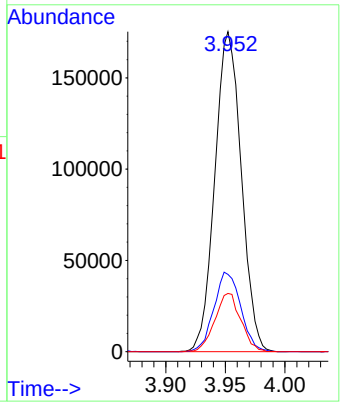




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:114 Resp: 27011

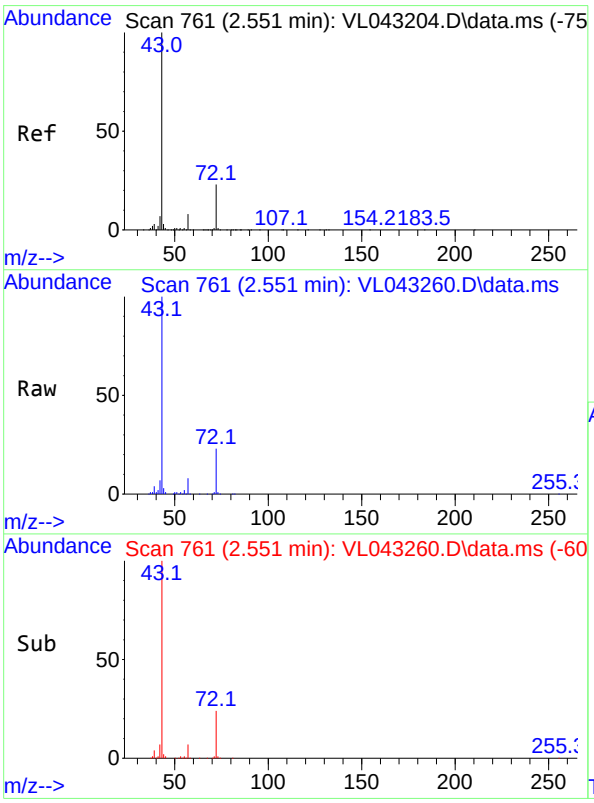
Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.0	31.6
88	17.9	14.9	22.3



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

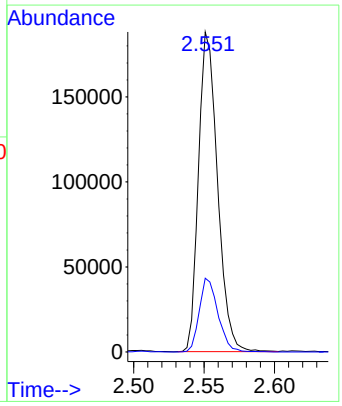
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

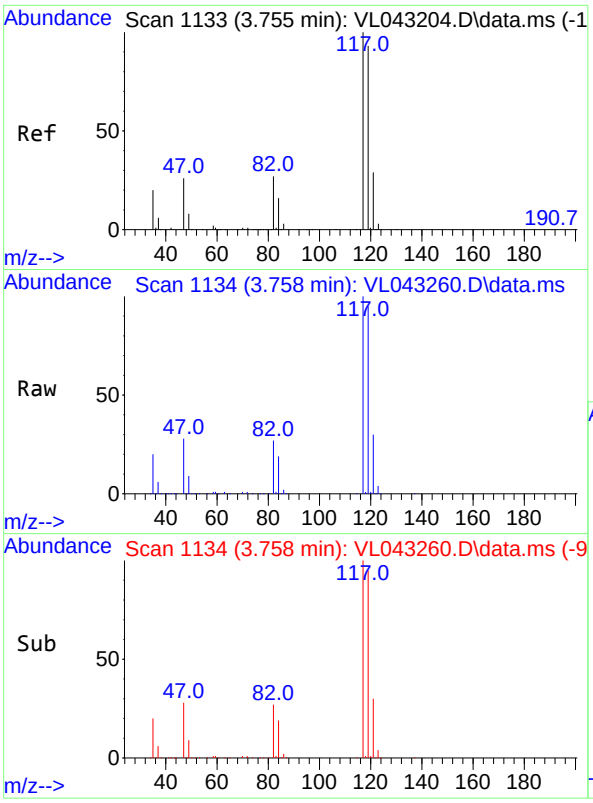


#34
2-Butanone
Concen: 9.287 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 177069

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.1	27.1

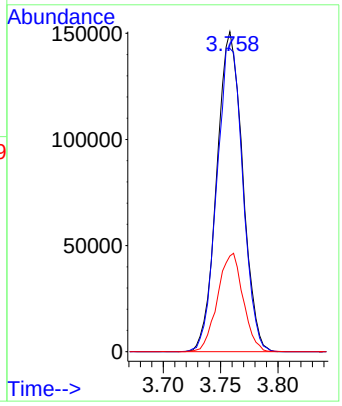




#35
Carbon Tetrachloride
Concen: 11.515 ppbv
RT: 3.758 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:117 Resp: 23608

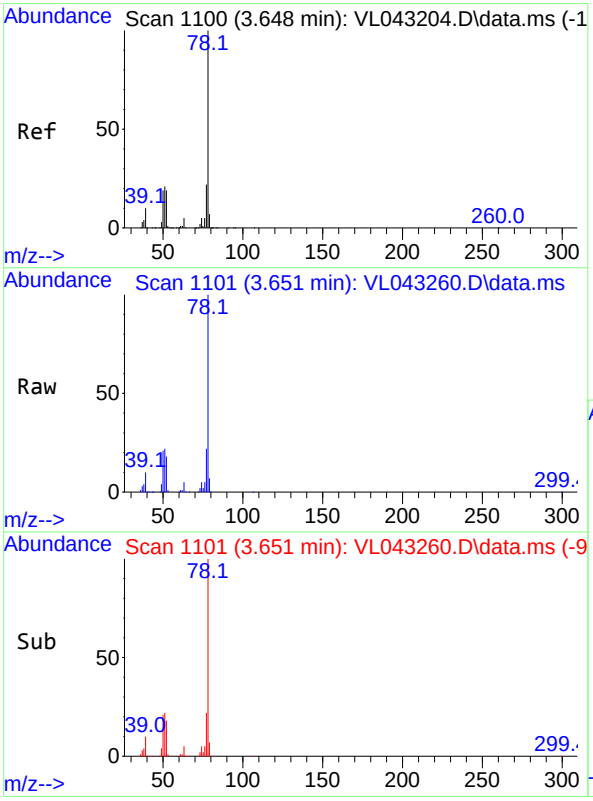
Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	112.0
121	29.9	23.2	34.8



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

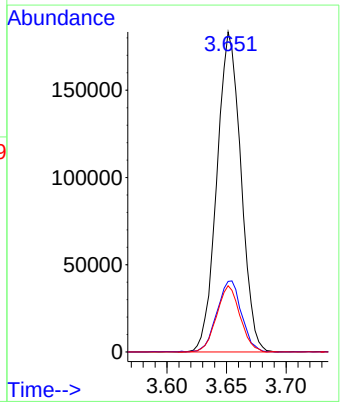
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

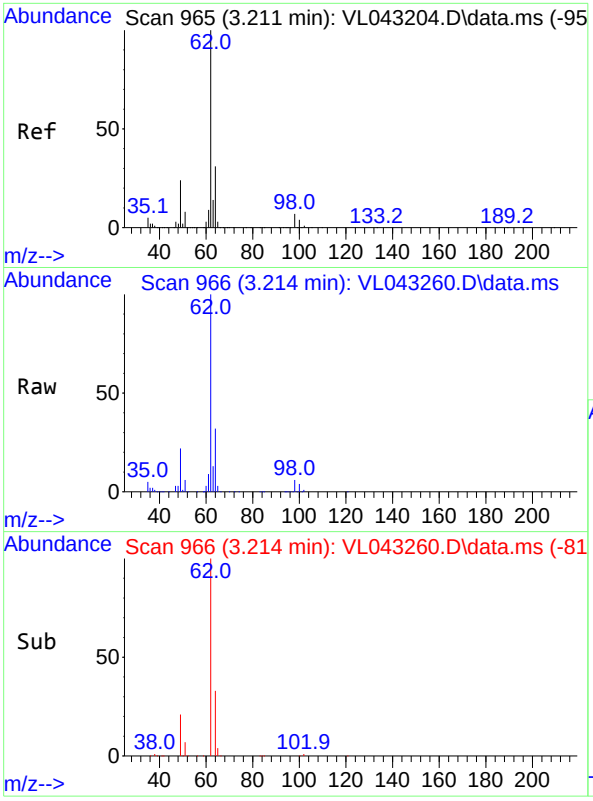


#36
Benzene
Concen: 9.954 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 78 Resp: 257481

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.5	26.3
50	20.7	15.5	23.3

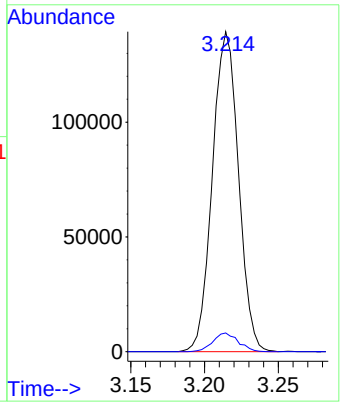




#37
1,2-Dichloroethane
Concen: 11.329 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 62 Resp: 17141

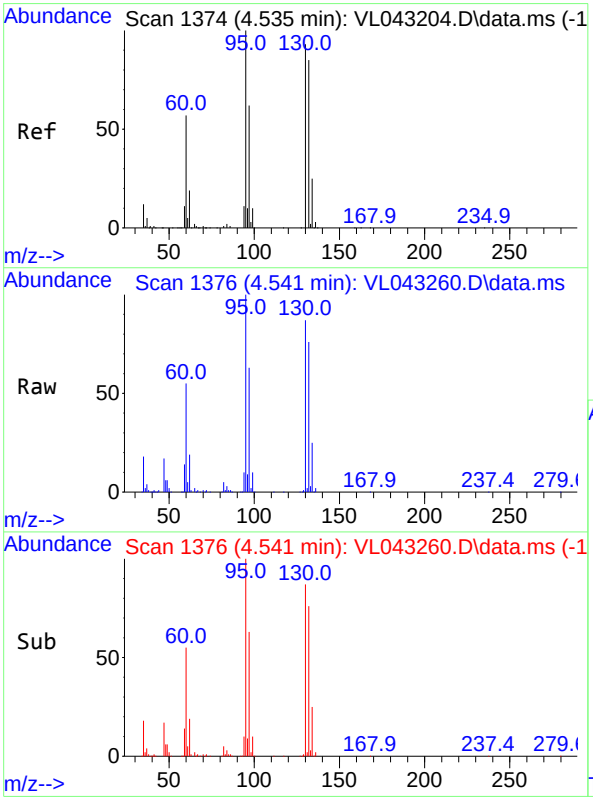
Ion	Ratio	Lower	Upper
62	100		
98	5.7	5.5	8.3



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

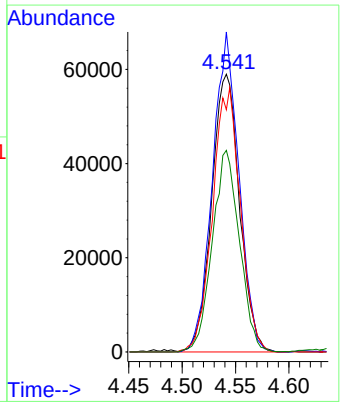
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

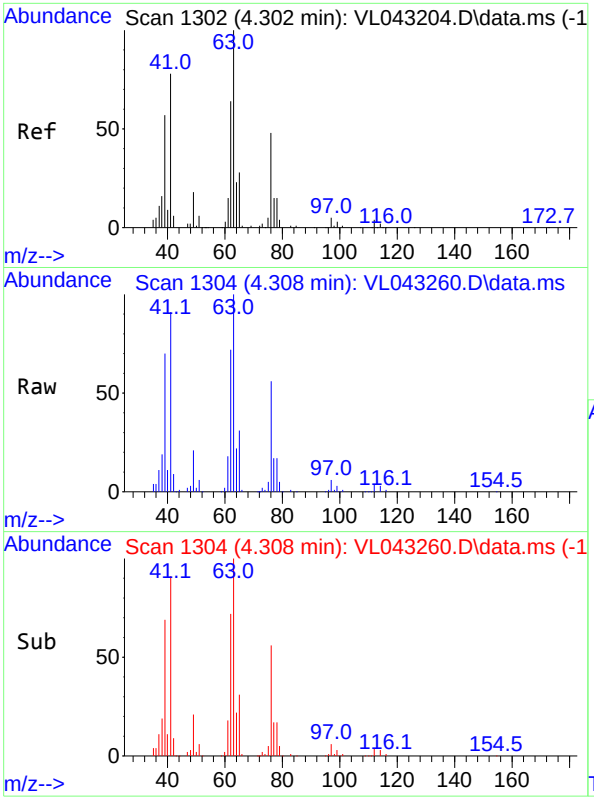


#38
Trichloroethene
Concen: 10.582 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:130 Resp: 107097

Ion	Ratio	Lower	Upper
130	100		
95	115.2	85.7	128.5
132	87.2	73.4	110.0
97	72.6	52.7	79.1

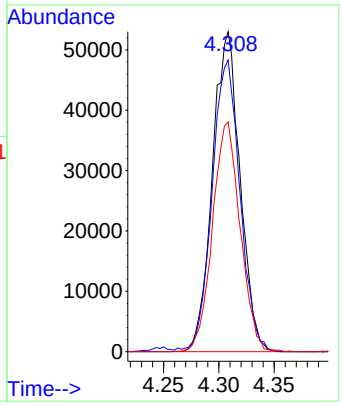




#39
1,2-Dichloropropane
Concen: 9.724 ppbv
RT: 4.308 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 63 Resp: 9206

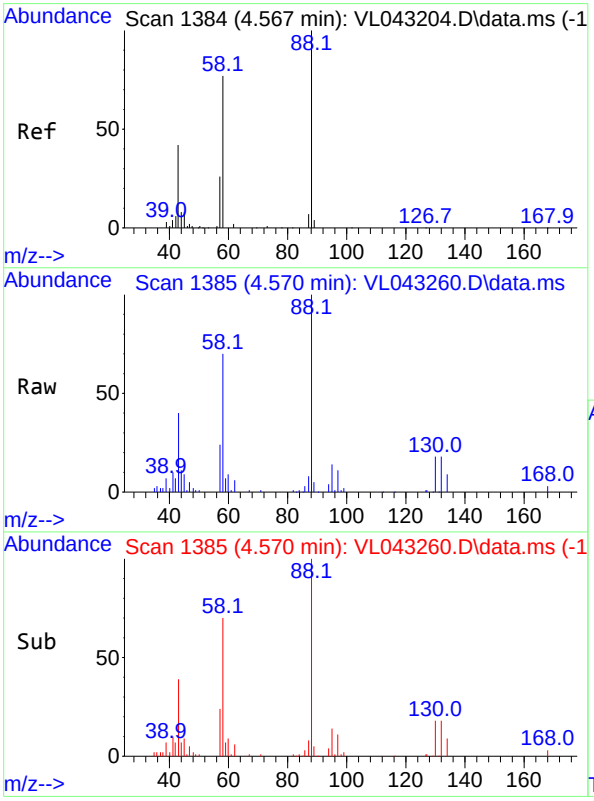
Ion	Ratio	Lower	Upper
63	100		
41	91.1	62.6	93.8
62	71.8	51.0	76.6



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

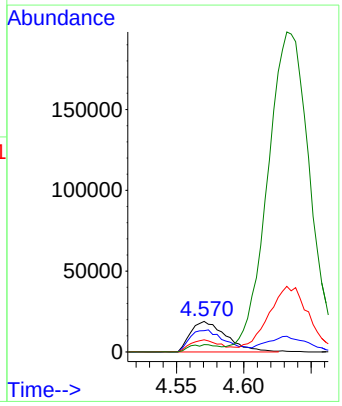
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

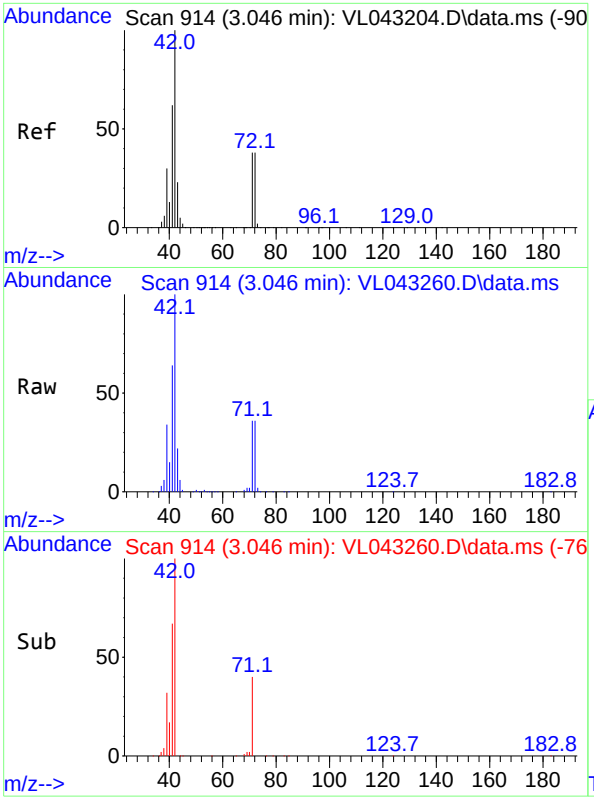


#40
1,4-Dioxane
Concen: 8.236 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 88 Resp: 35055

Ion	Ratio	Lower	Upper
88	100		
58	72.0	63.0	94.6
43	36.6	32.5	48.7
57	0.0	0.0	0.0

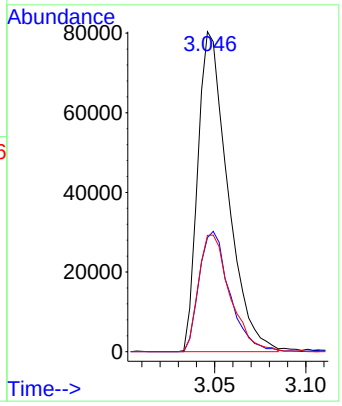




#41
Tetrahydrofuran
Concen: 8.739 ppbv
RT: 3.046 min Scan# 9
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 42 Resp: 9201

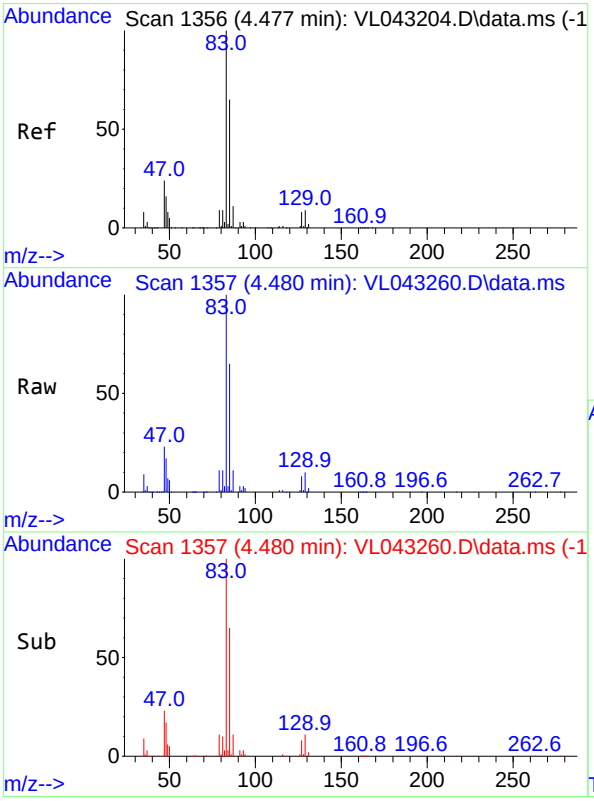
Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.6	46.0
71	38.5	30.5	45.7



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

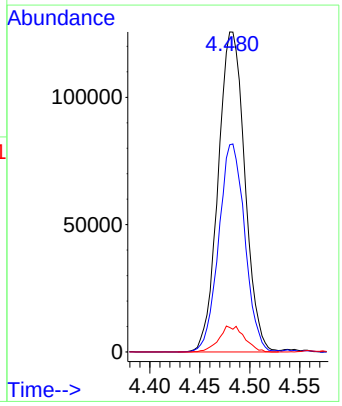
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

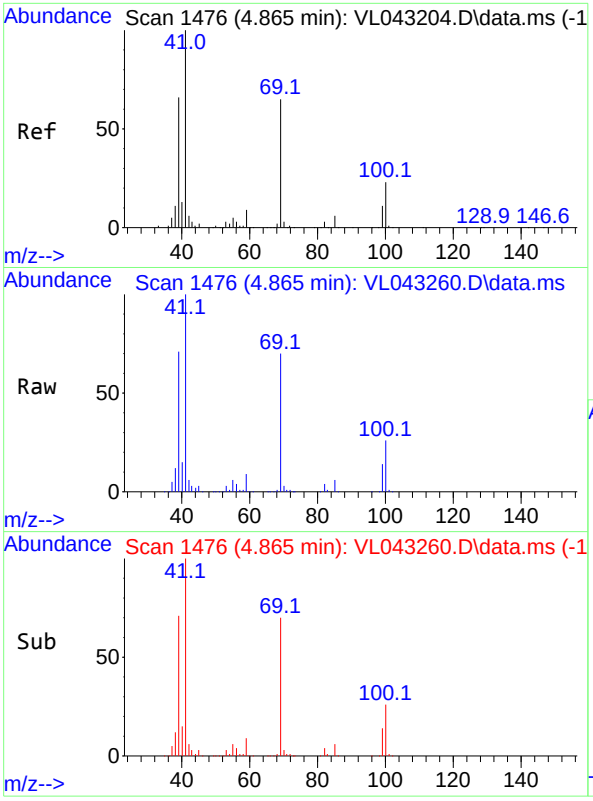


#42
Bromodichloromethane
Concen: 11.161 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 83 Resp: 232959

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5
127	7.6	6.3	9.5

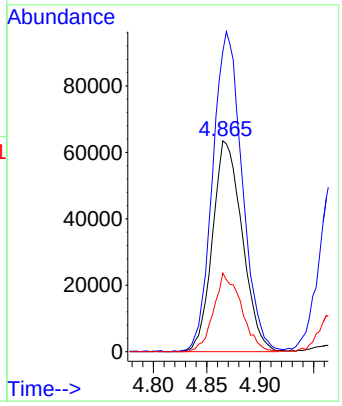




#43
Methyl Methacrylate
Concen: 8.920 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 69 Resp: 12248

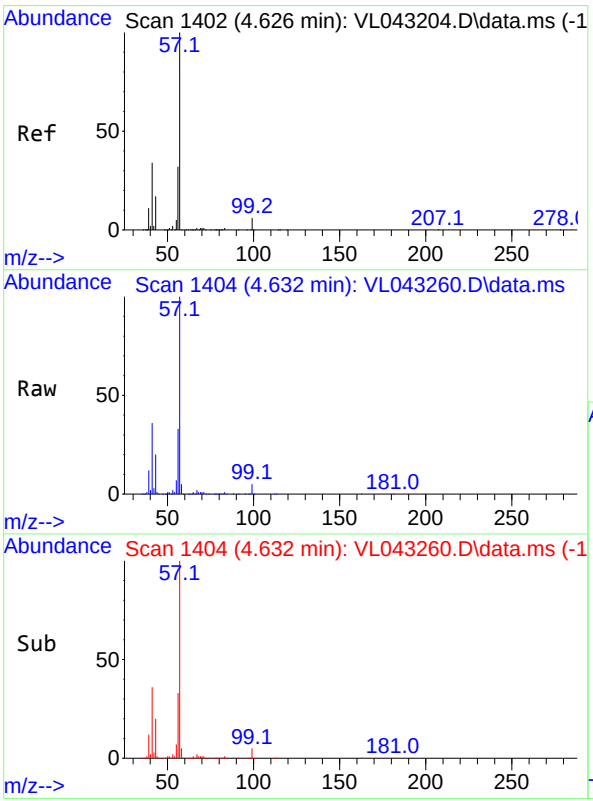
Ion	Ratio	Lower	Upper
69	100		
41	151.7	126.7	190.1
100	34.8	28.6	43.0



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

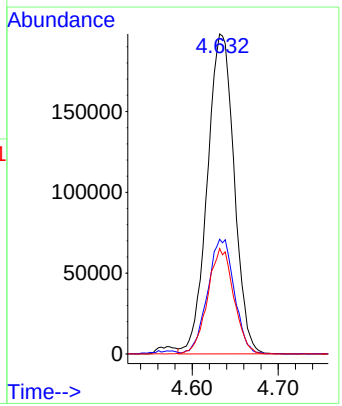
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

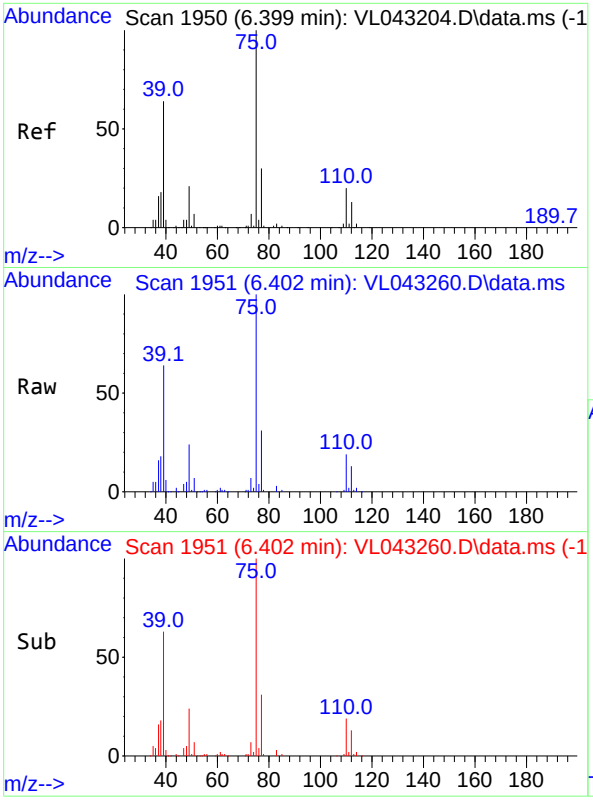


#44
2,2,4-Trimethylpentane
Concen: 9.646 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 57 Resp: 428558

Ion	Ratio	Lower	Upper
57	100		
41	36.7	28.0	42.0
56	32.2	25.6	38.4

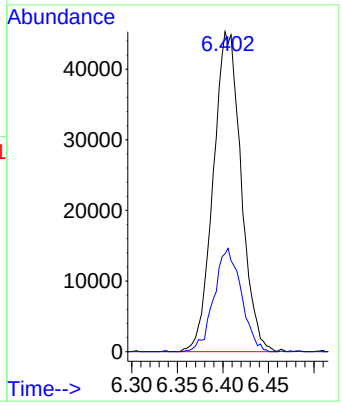




#45
t-1,3-Dichloropropene
Concen: 7.511 ppbv
RT: 6.402 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 75 Resp: 9613

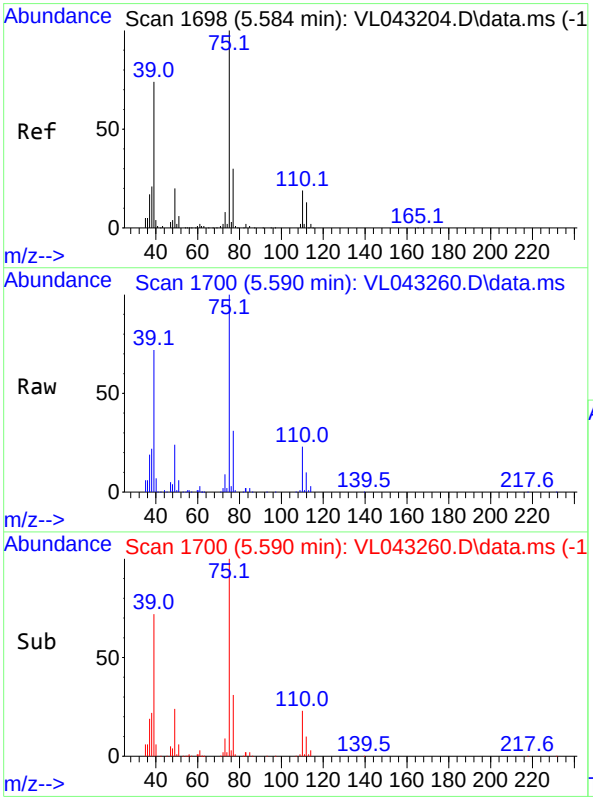
Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.3	36.5



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

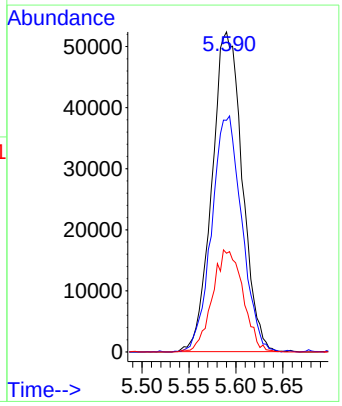
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

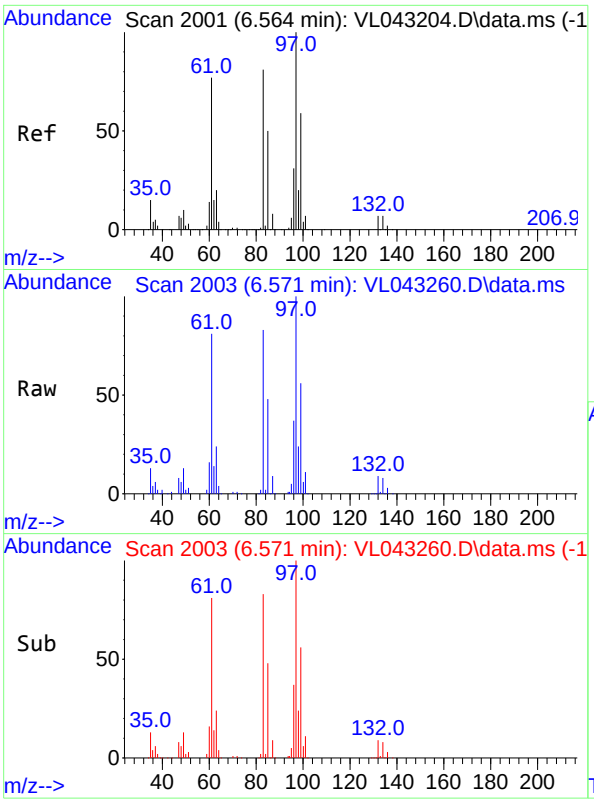


#46
cis-1,3-Dichloropropene
Concen: 7.810 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 75 Resp: 117380

Ion	Ratio	Lower	Upper
75	100		
39	72.3	59.1	88.7
77	30.8	24.2	36.2

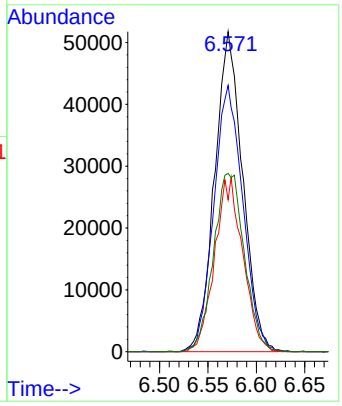




#47
1,1,2-Trichloroethane
Concen: 10.369 ppbv
RT: 6.571 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 97 Resp: 10418

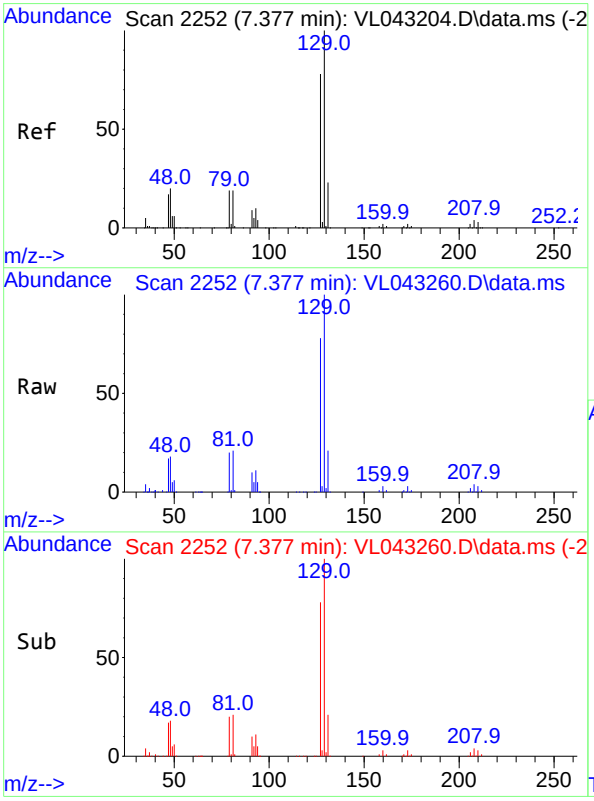
Ion	Ratio	Lower	Upper
97	100		
83	83.2	64.6	97.0
85	47.5	39.4	59.2
99	55.7	47.0	70.6



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

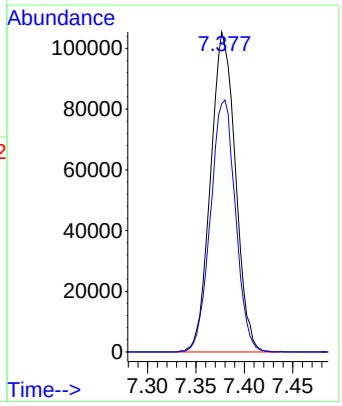
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

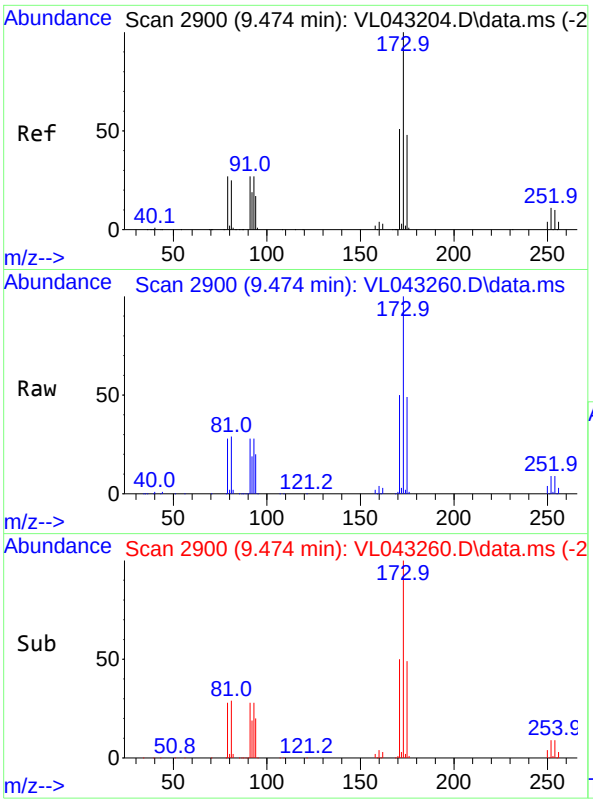


#48
Dibromochloromethane
Concen: 10.892 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:129 Resp: 188165

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.9

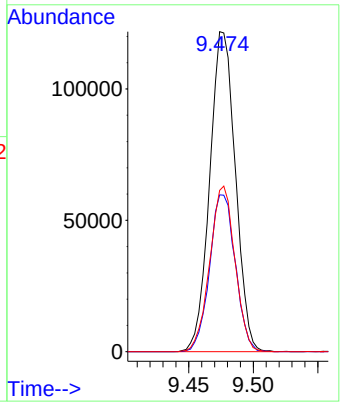




#49
Bromoform
Concen: 10.991 ppbv
RT: 9.474 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:173 Resp: 16817

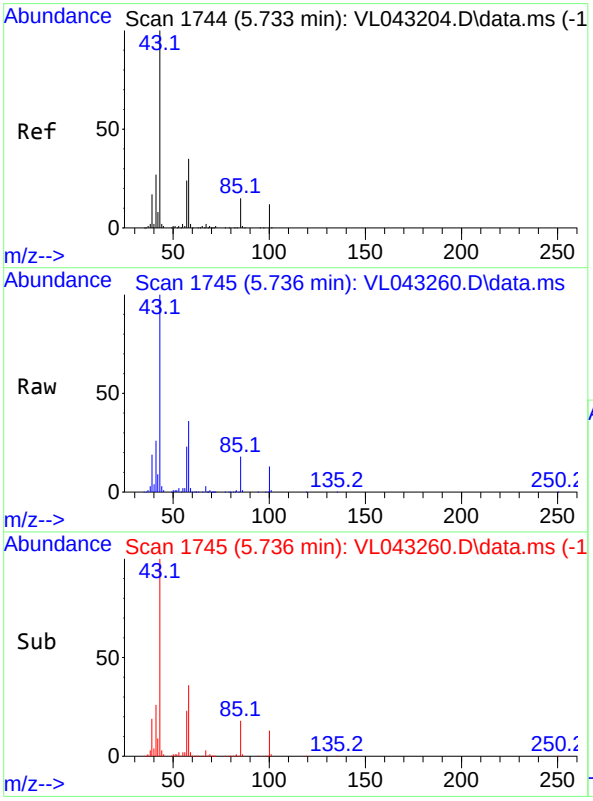
Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.6	58.0
171	50.7	40.6	61.0



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

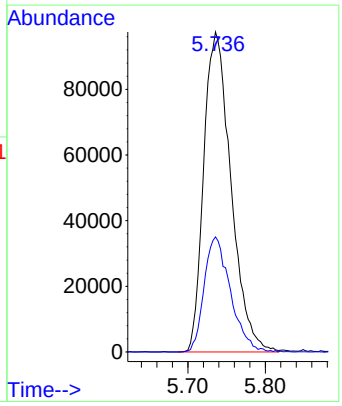
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

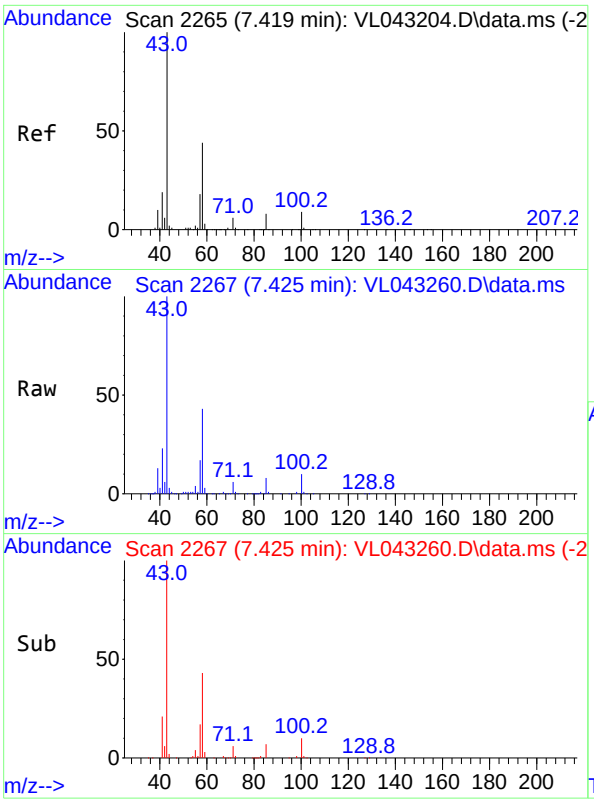


#50
4-Methyl-2-Pentanone
Concen: 8.859 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 237956

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.4	42.6

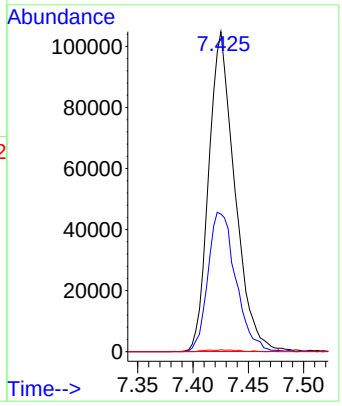




#51
2-Hexanone
Concen: 8.187 ppbv
RT: 7.425 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 17076

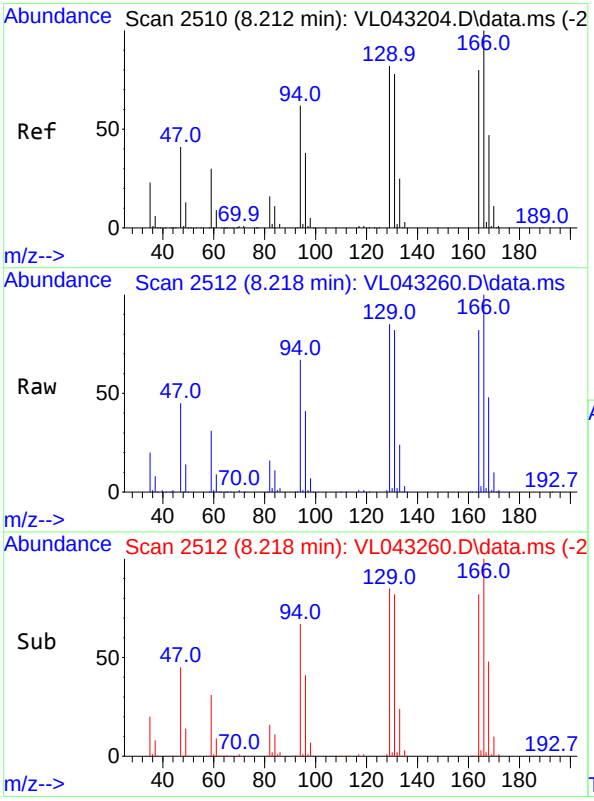
Ion	Ratio	Lower	Upper
43	100		
58	47.0	38.4	57.6
98	0.7	0.0	0.0



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

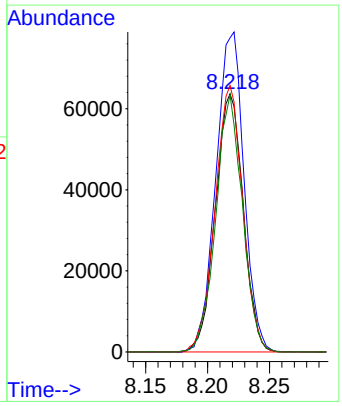
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

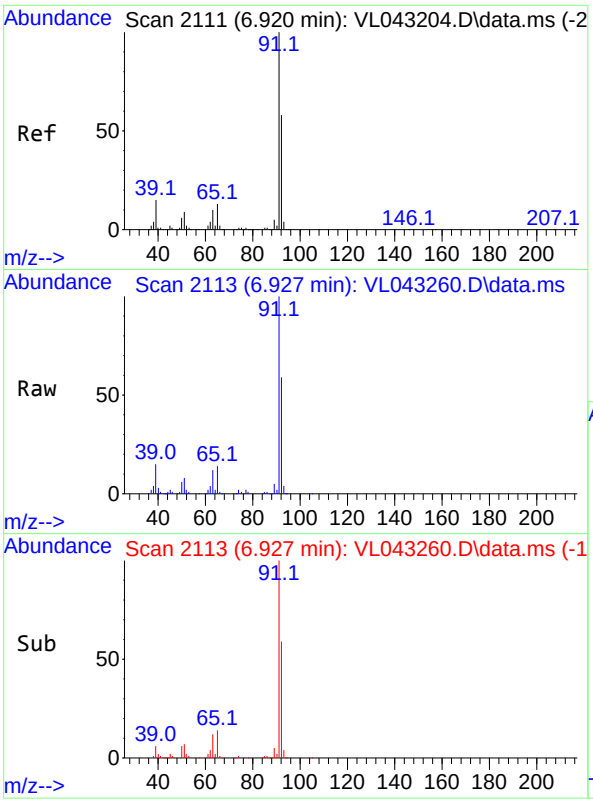


#52
Tetrachloroethene
Concen: 10.391 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:164 Resp: 99982

Ion	Ratio	Lower	Upper
164	100		
166	121.7	99.4	149.2
129	103.2	81.8	122.8
131	99.6	77.4	116.2

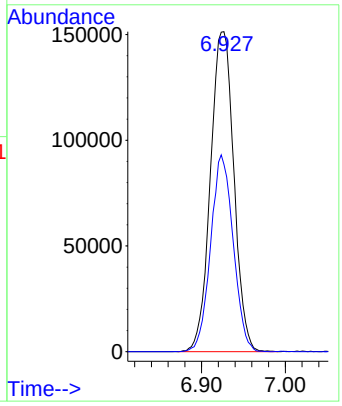




#53
Toluene
Concen: 9.614 ppbv
RT: 6.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 29448

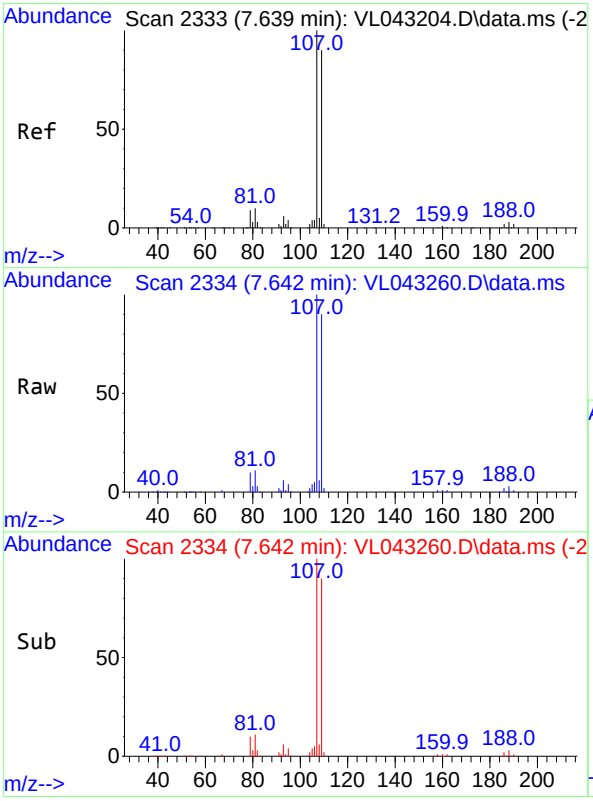
Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.0



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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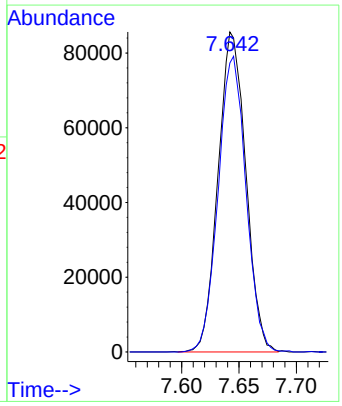
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

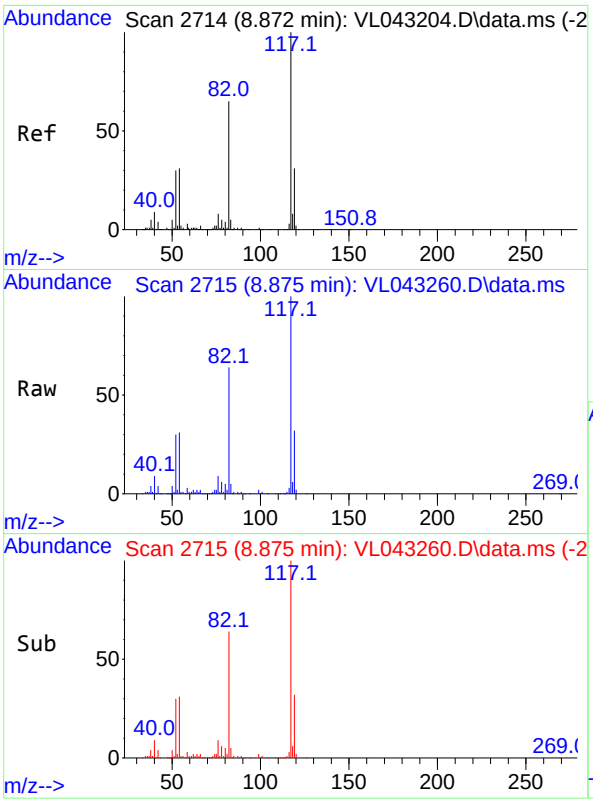


#54
1,2-Dibromoethane
Concen: 9.720 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:107 Resp: 143721

Ion	Ratio	Lower	Upper
107	100		
109	90.3	72.1	108.1

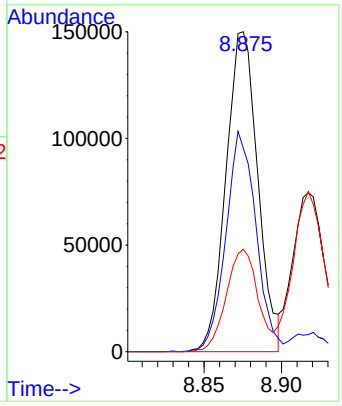




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:117 Resp: 21447

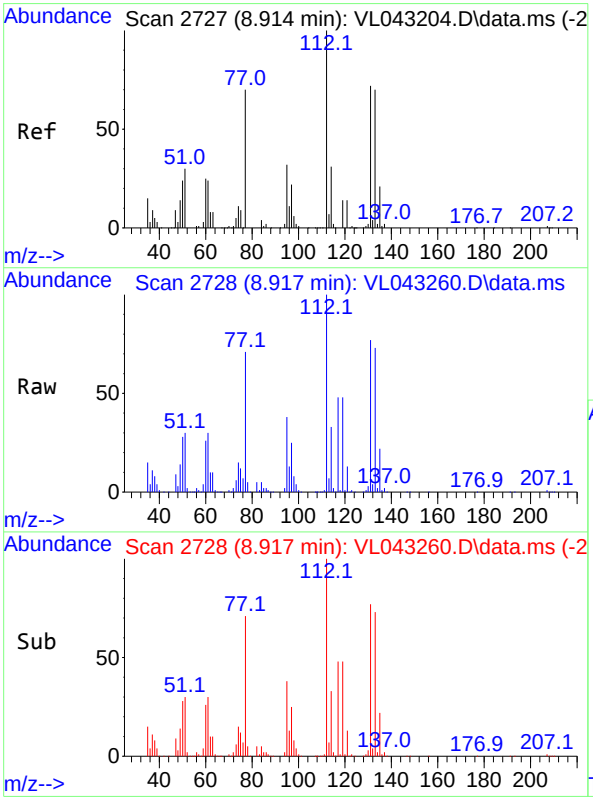
Ion	Ratio	Lower	Upper
117	100		
82	71.5	56.1	84.1
119	31.9	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

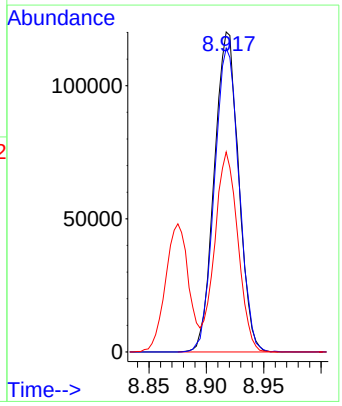
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

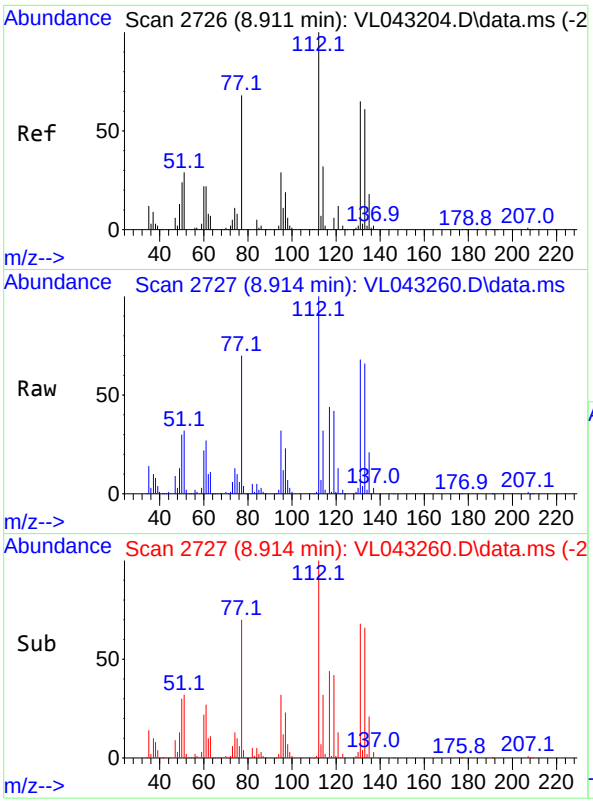


#56
1,1,1,2-Tetrachloroethane
Concen: 11.221 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:131 Resp: 176862

Ion	Ratio	Lower	Upper
131	100		
133	96.3	77.4	116.2
119	60.7	49.1	73.7

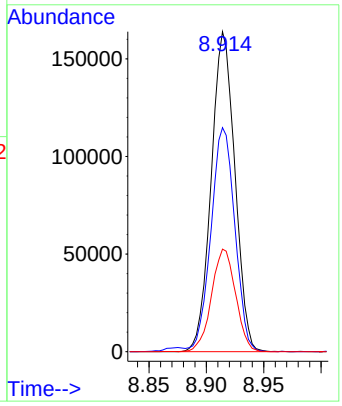




#57
Chlorobenzene
Concen: 10.664 ppbv
RT: 8.914 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:112 Resp: 23481

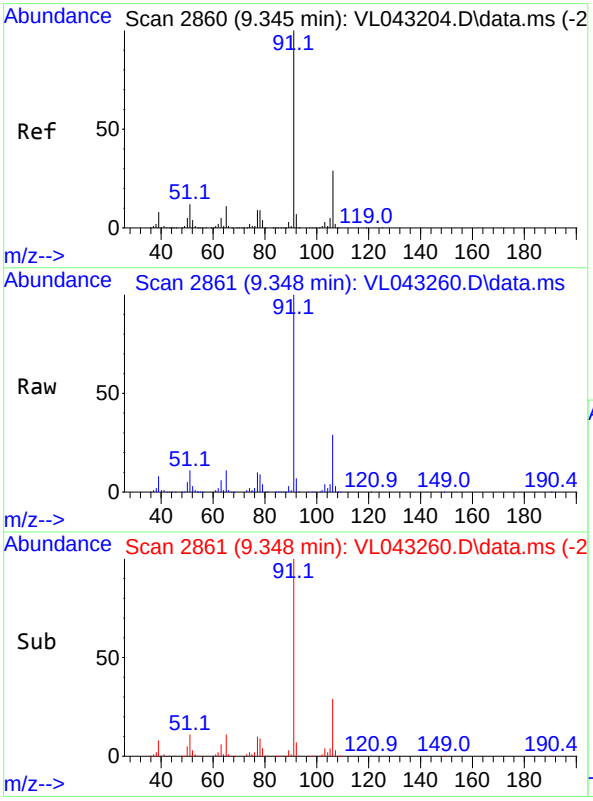
Ion	Ratio	Lower	Upper
112	100		
77	70.0	55.5	83.3
114	32.1	29.1	35.5



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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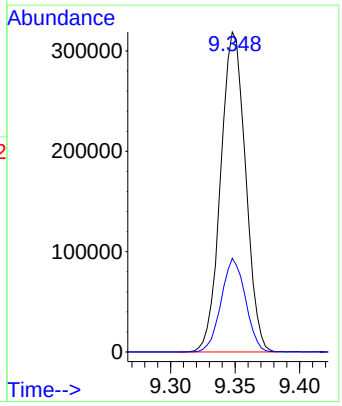
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

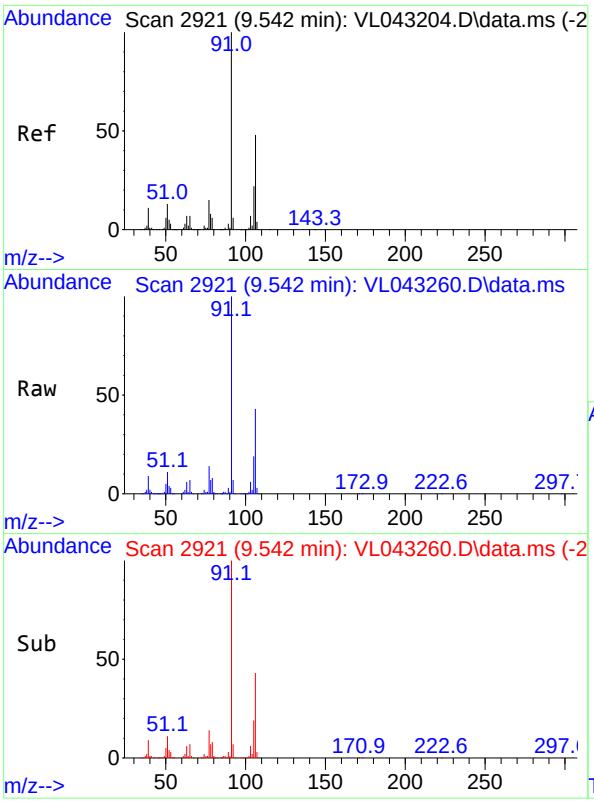


#58
Ethyl Benzene
Concen: 10.357 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 427546

Ion	Ratio	Lower	Upper
91	100		
106	29.3	22.8	34.2





#59
m/p-Xylene
Concen: 21.422 ppbv m
RT: 9.542 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

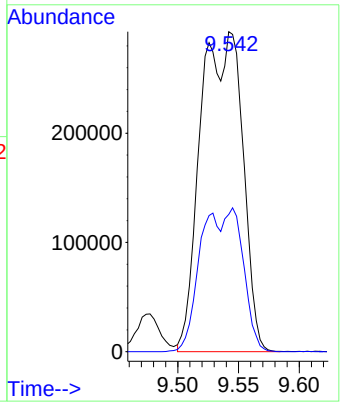
Tgt Ion: 91 Resp: 70897

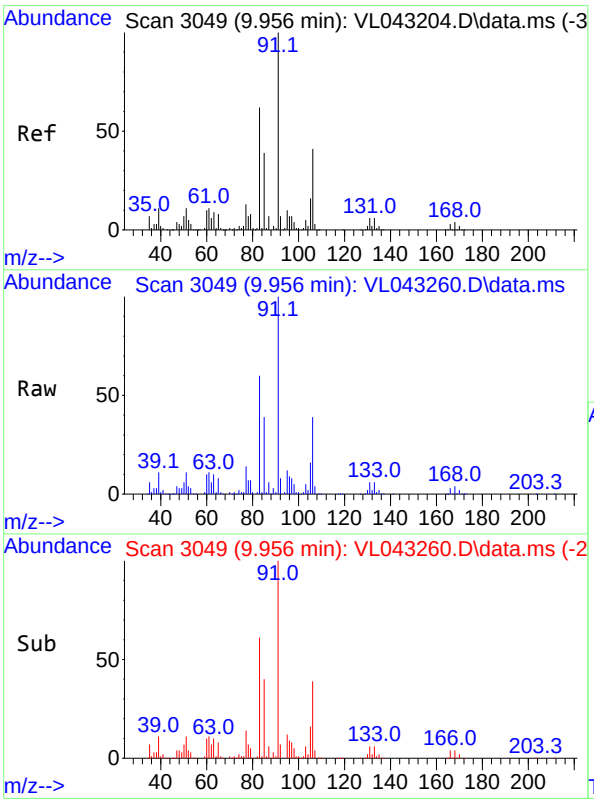
Ion	Ratio	Lower	Upper
91	100		
106	45.0	36.1	54.1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

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Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

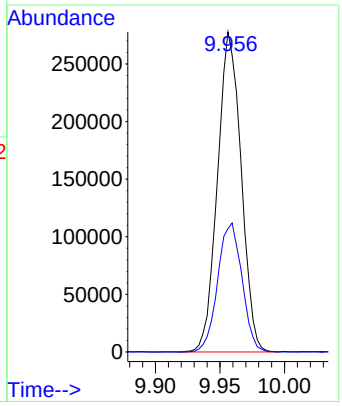


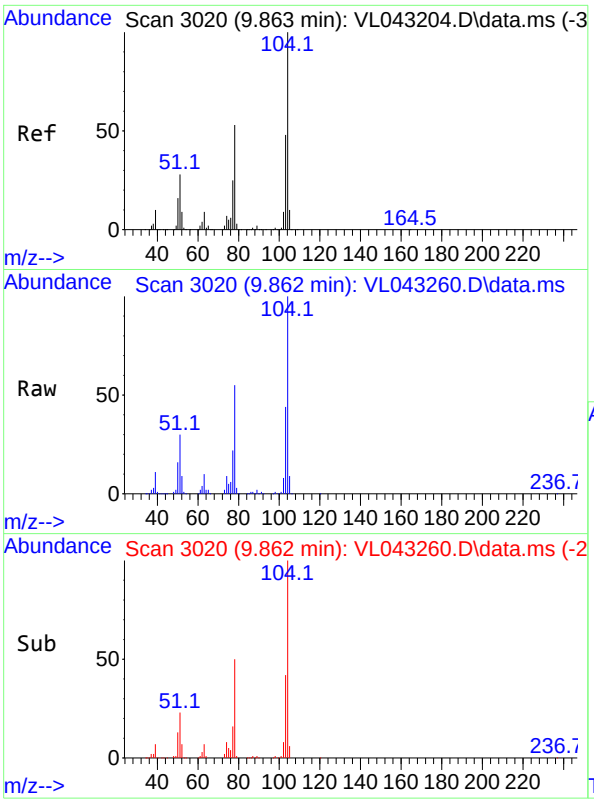


#60
o-Xylene
Concen: 10.695 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 353595

Ion	Ratio	Lower	Upper
91	100		
106	41.3	20.9	62.8

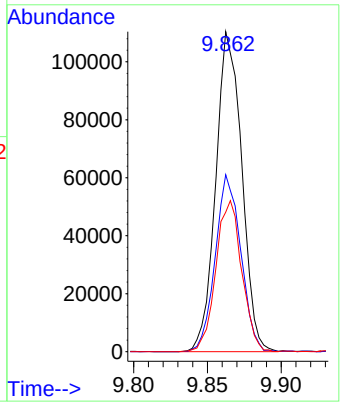




#61
Styrene
Concen: 9.363 ppbv
RT: 9.862 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:104 Resp: 13547

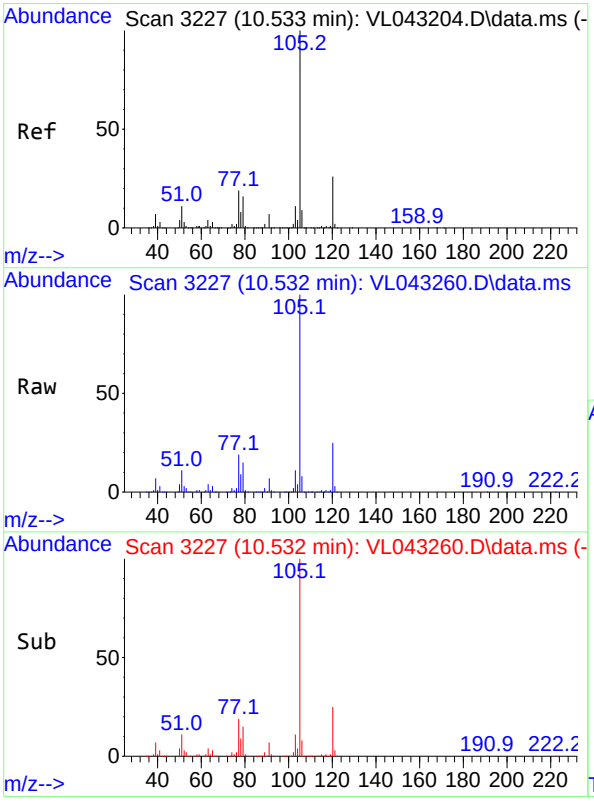
Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.1	63.1
103	47.1	37.2	55.8



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

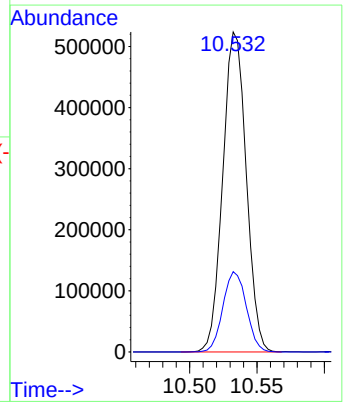
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

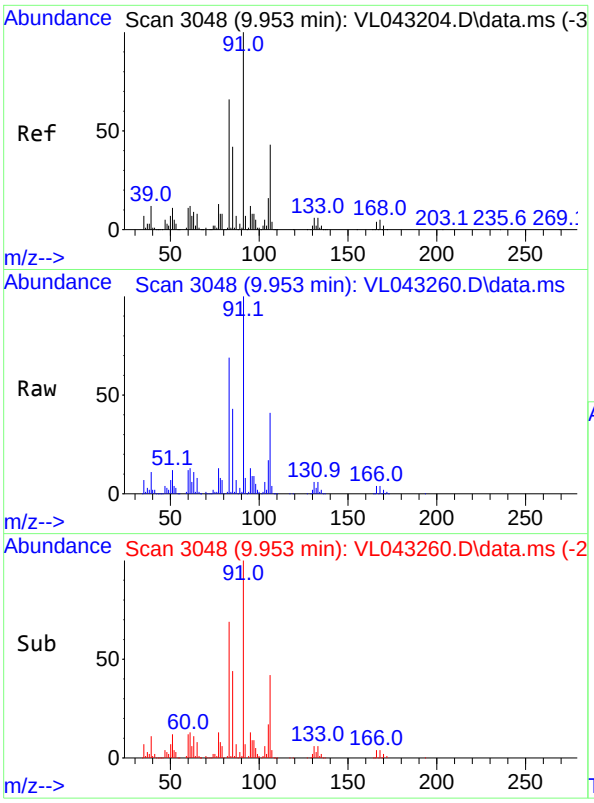


#62
Isopropylbenzene
Concen: 10.720 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 634112

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.8	29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 10.371 ppbv
RT: 9.953 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

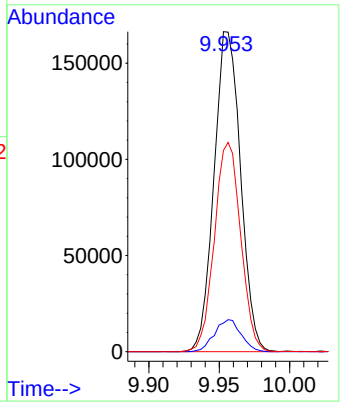
Tgt Ion: 83 Resp: 21817

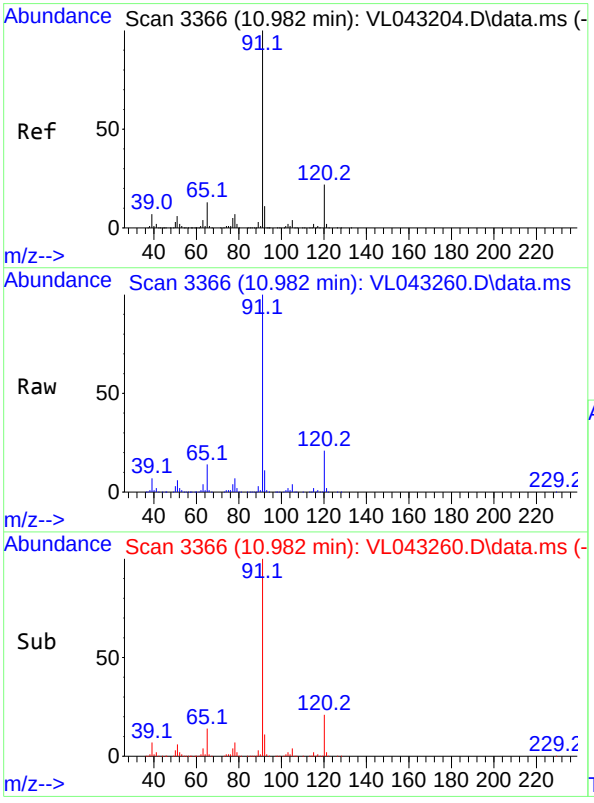
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	64.8	31.9	95.9

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

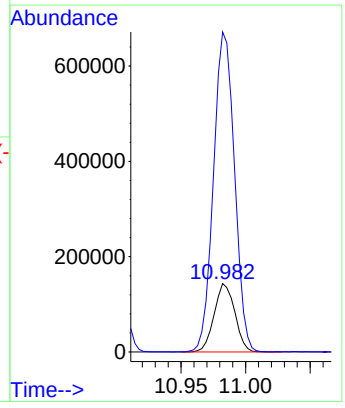


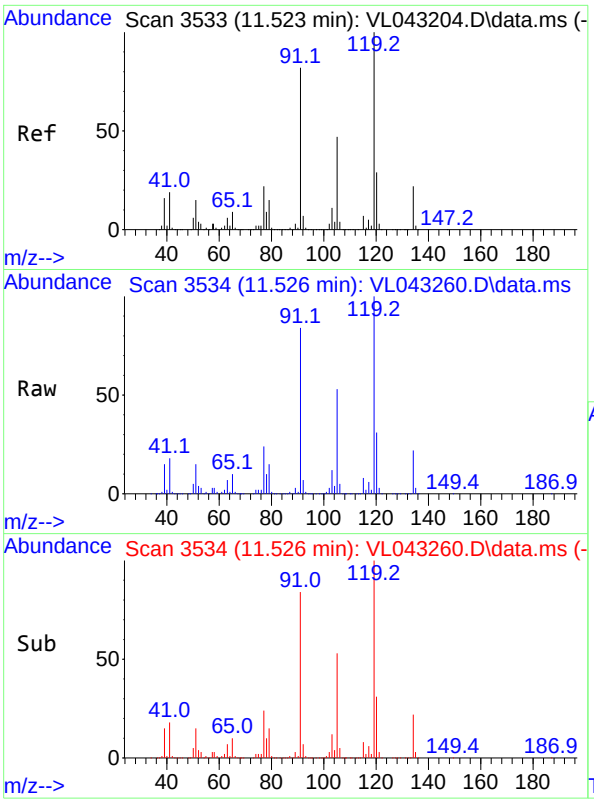


#64
n-propylbenzene
Concen: 10.480 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:120 Resp: 159286

Ion	Ratio	Lower	Upper
120	100		
91	478.3	377.1	565.7

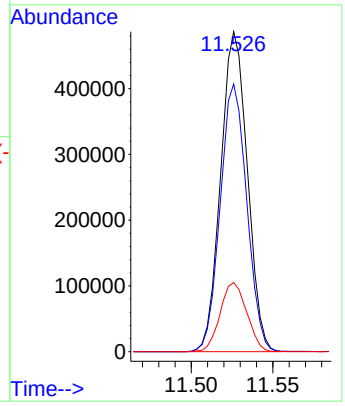




#65
tert-Butylbenzene
Concen: 10.467 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:119 Resp: 55291

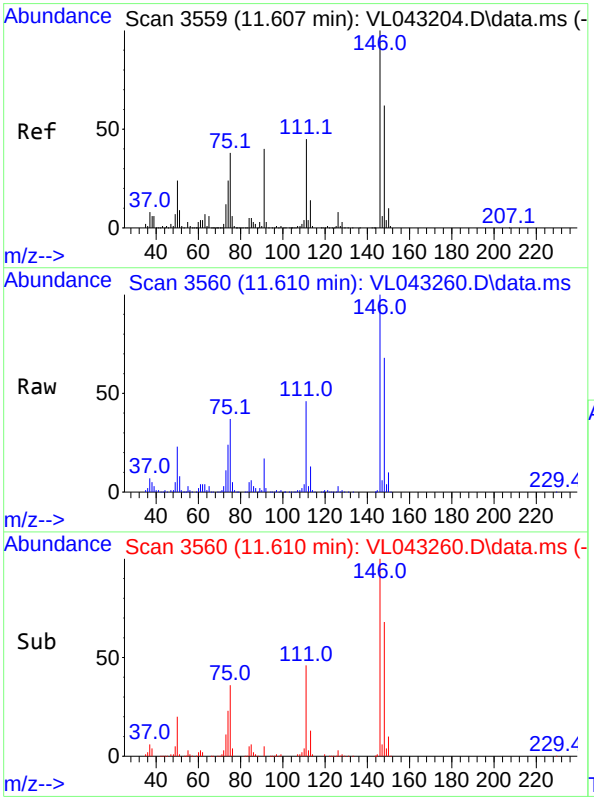
Ion	Ratio	Lower	Upper
119	100		
91	83.3	65.3	97.9
134	21.5	17.0	25.4



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

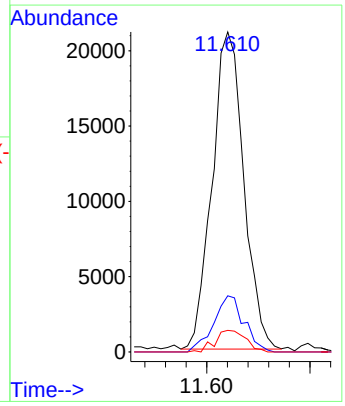
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

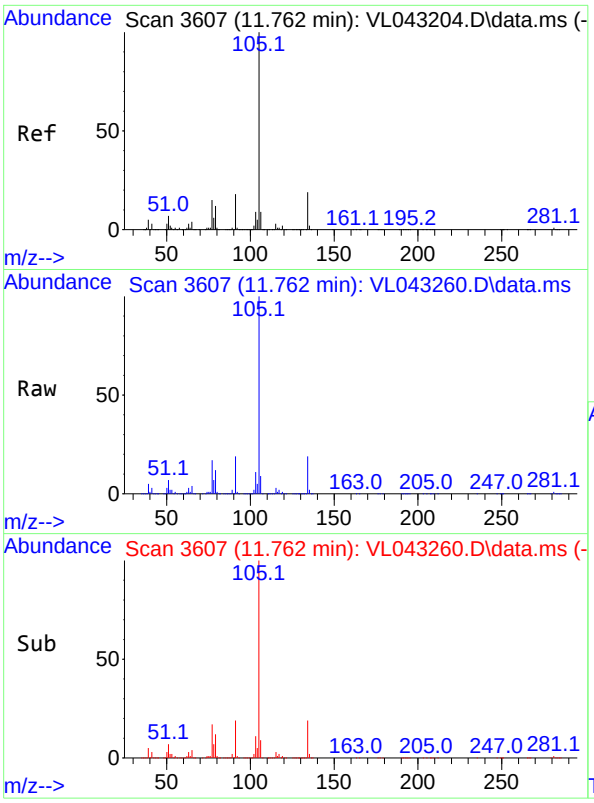


#66
Benzyl Chloride
Concen: 4.178 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 22396

Ion	Ratio	Lower	Upper
91	100		
126	17.0	14.4	21.6
128	6.6	4.6	6.8

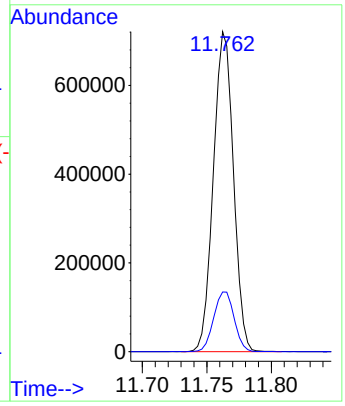




#67
sec-Butylbenzene
Concen: 10.570 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 77936

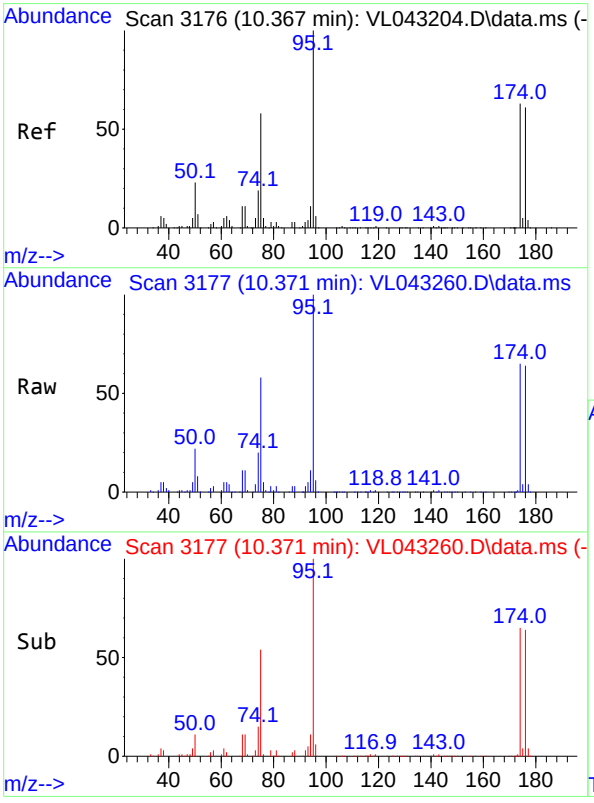
Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.0	22.6



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
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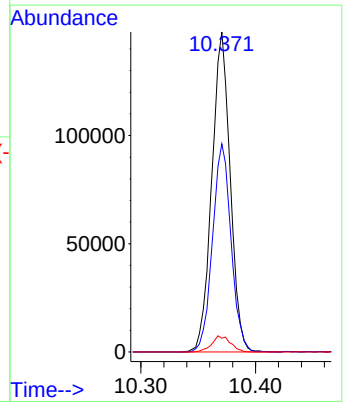
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

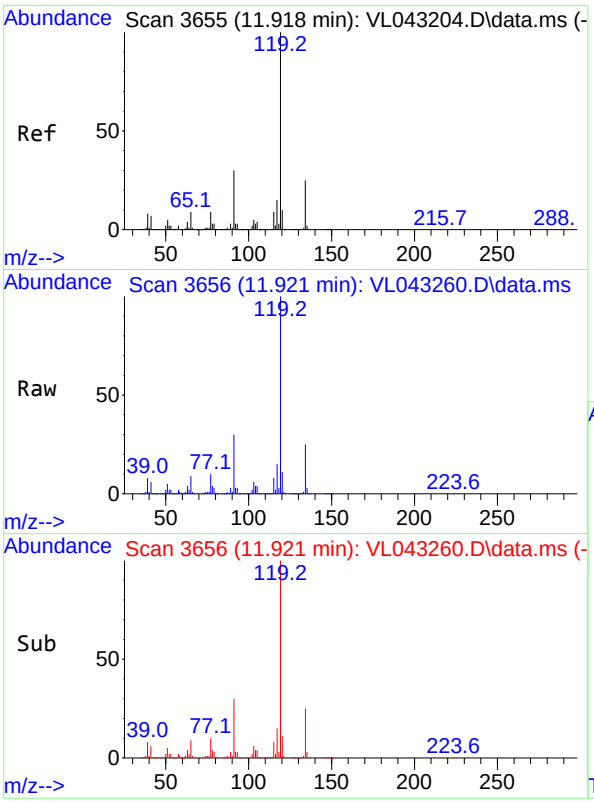


#68
1-Bromo-4-Fluorobenzene
Concen: 10.466 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 95 Resp: 164533

Ion	Ratio	Lower	Upper
95	100		
174	65.6	50.2	75.2
175	5.1	4.1	6.1

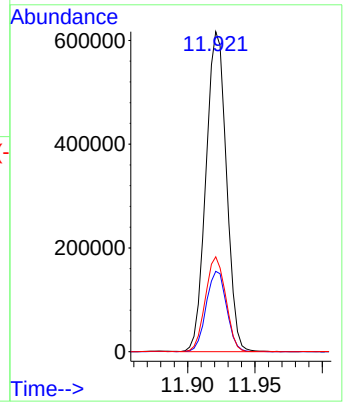




#69
p-Isopropyltoluene
Concen: 10.405 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:119 Resp: 64994

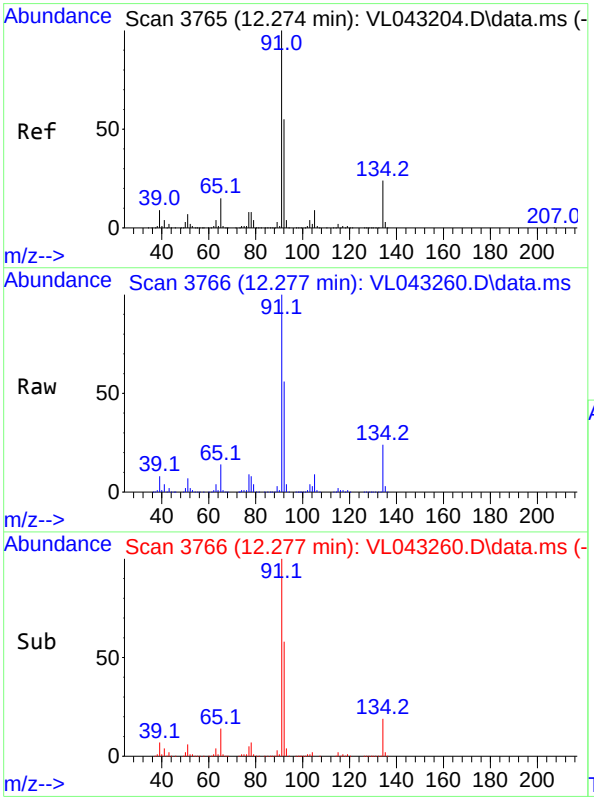
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	29.7	23.8	35.8



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

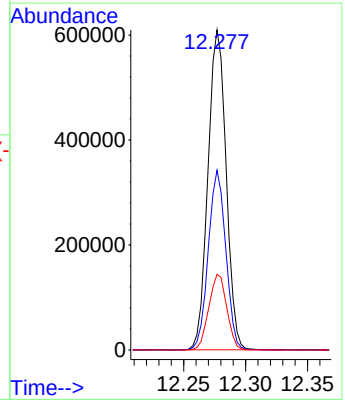
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

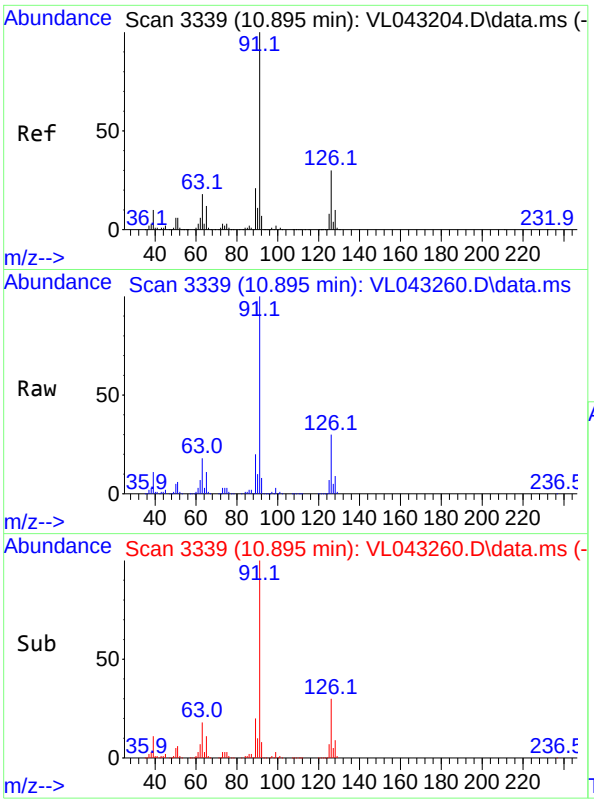


#70
n-Butylbenzene
Concen: 10.278 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 622858

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.5	65.3
134	23.4	19.0	28.6

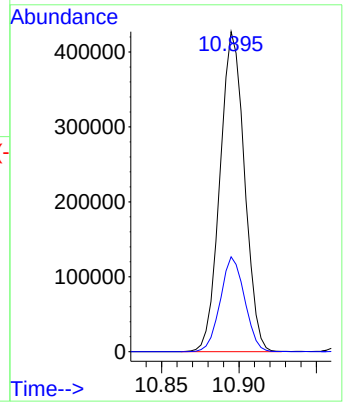




#71
2-Chlorotoluene
Concen: 10.337 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 46996

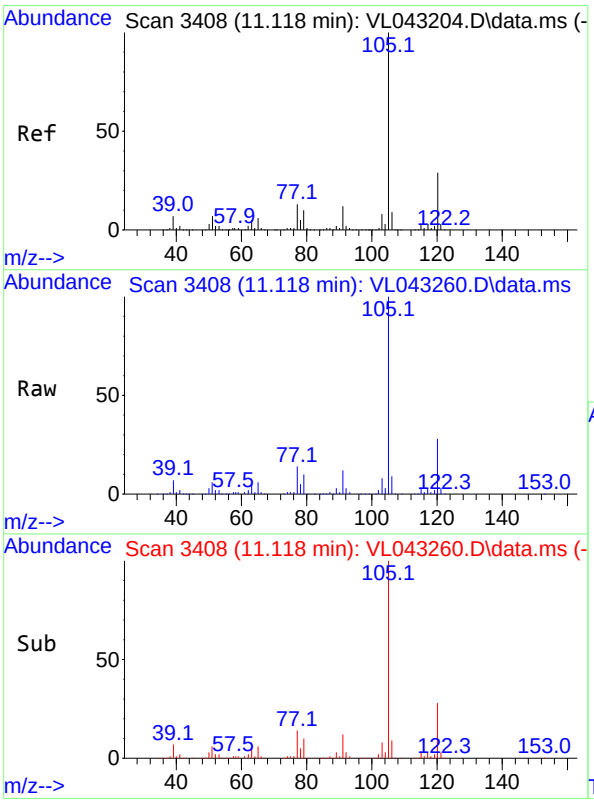
Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.7	46.7



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

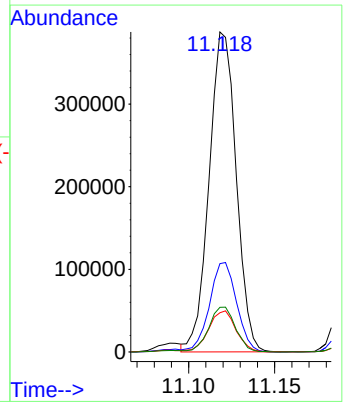
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

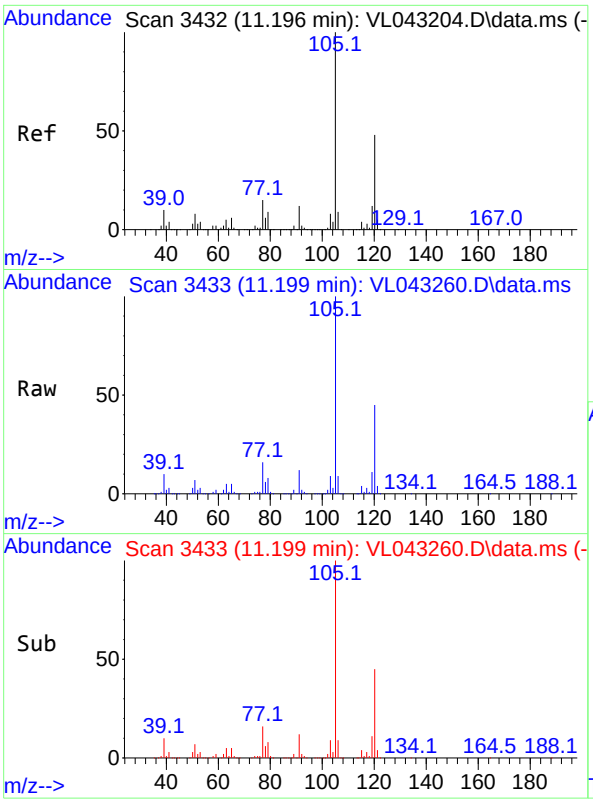


#72
4-Ethyltoluene
Concen: 10.529 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 423927

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.8	35.8
91	13.6	10.3	15.5
77	14.4	11.1	16.7

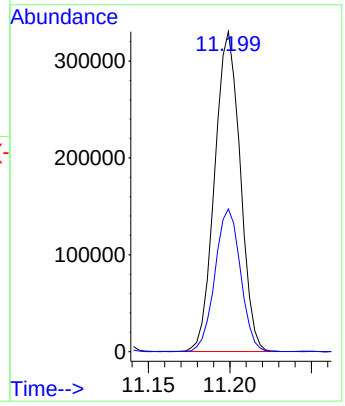




#73
1,3,5-Trimethylbenzene
Concen: 10.613 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 35859

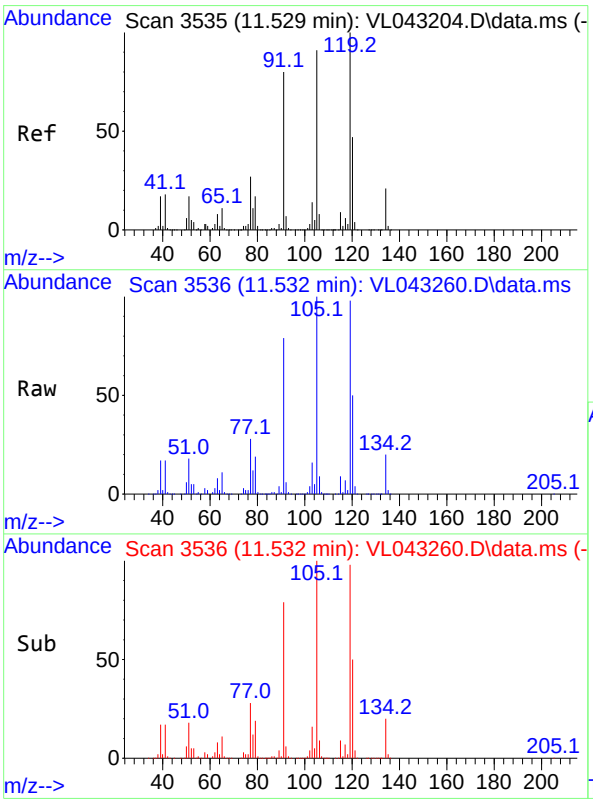
Ion	Ratio	Lower	Upper
105	100		
120	44.6	38.6	57.8



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

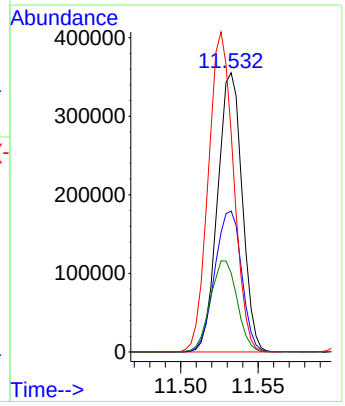
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

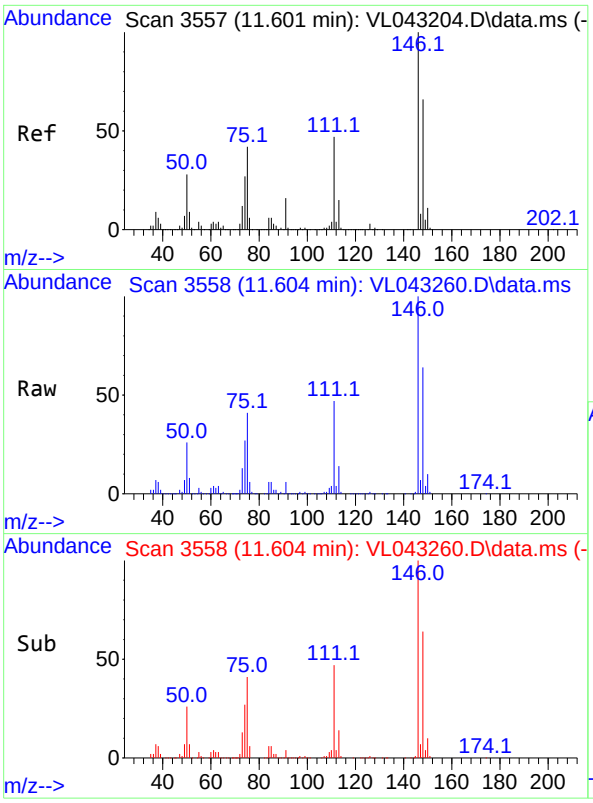


#74
1,2,4-Trimethylbenzene
Concen: 10.645 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 392516

Ion	Ratio	Lower	Upper
105	100		
120	50.4	41.7	62.5
91	78.6	70.0	105.0
77	28.2	23.8	35.8

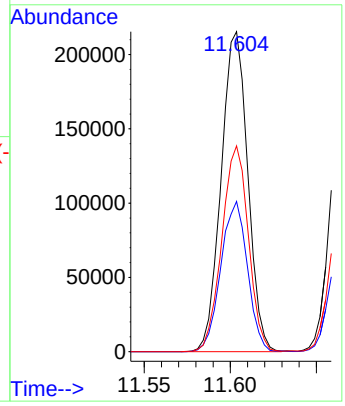




#75
1,3-Dichlorobenzene
Concen: 10.765 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:146 Resp: 23165

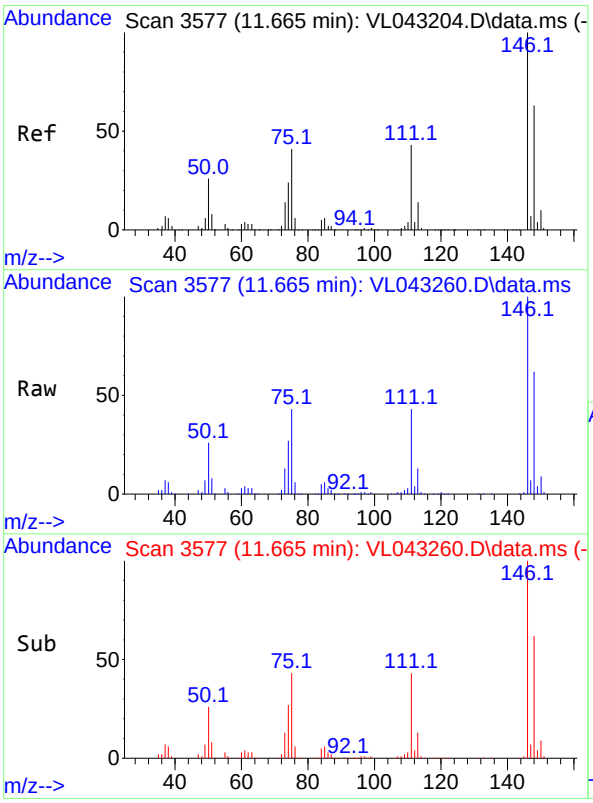
Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.4	70.3
148	64.1	31.6	95.0



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

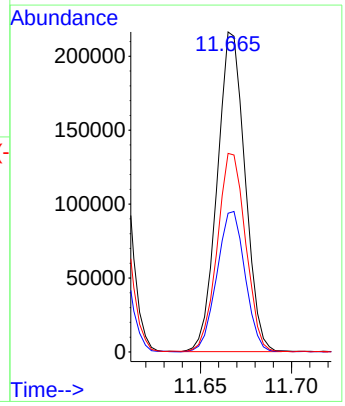
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

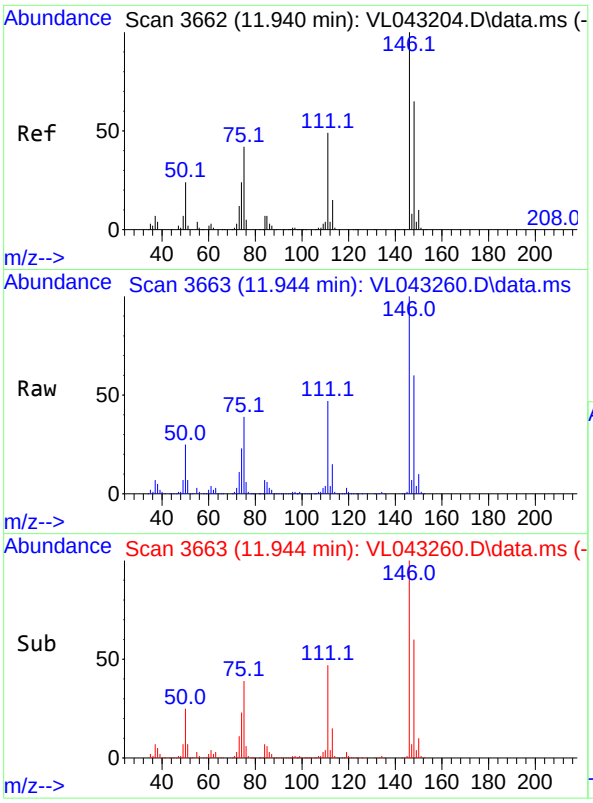


#76
1,4-Dichlorobenzene
Concen: 10.642 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:146 Resp: 229039

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.8	68.3
148	63.8	31.8	95.4

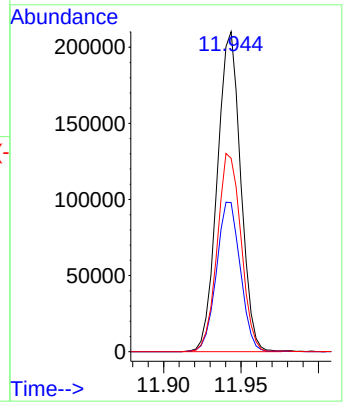




#77
1,2-Dichlorobenzene
Concen: 10.642 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:146 Resp: 22015

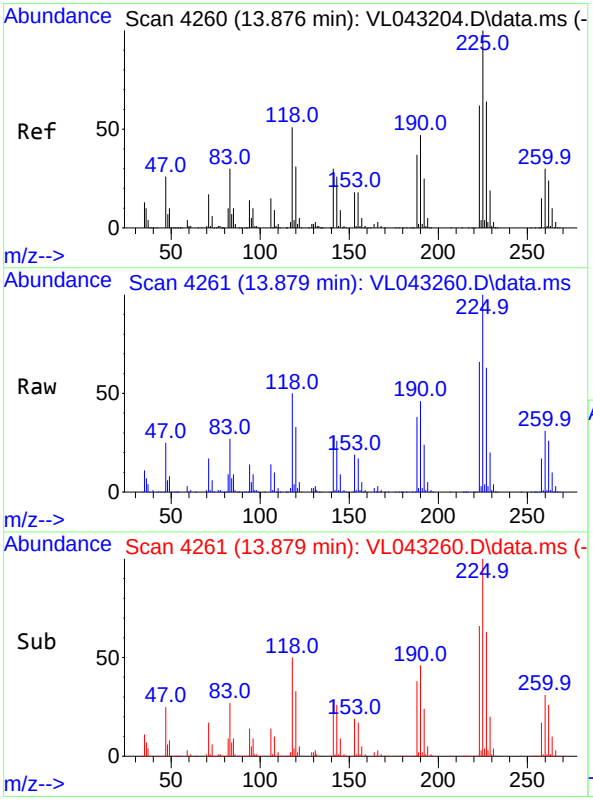
Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.3	73.0
148	63.2	31.6	94.7



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

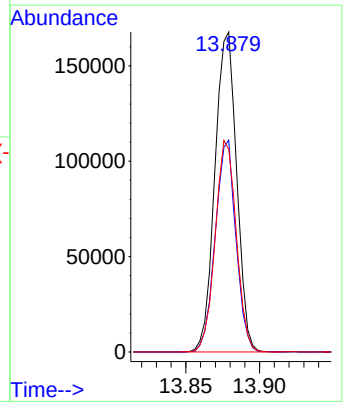
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

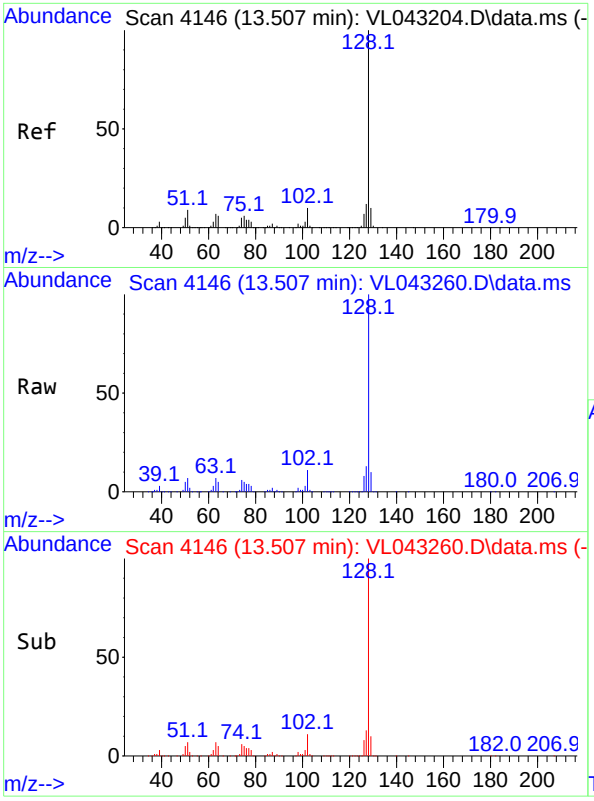


#78
Hexachloro-1,3-Butadiene
Concen: 9.961 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:225 Resp: 171979

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.4
227	64.2	51.1	76.7

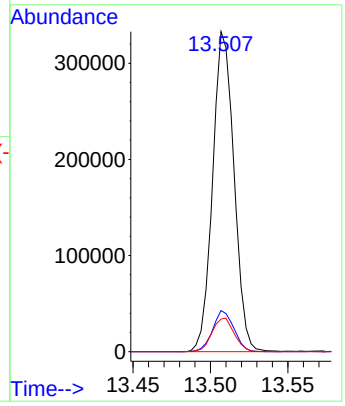




#79
Naphthalene
Concen: 9.764 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:128 Resp: 31976

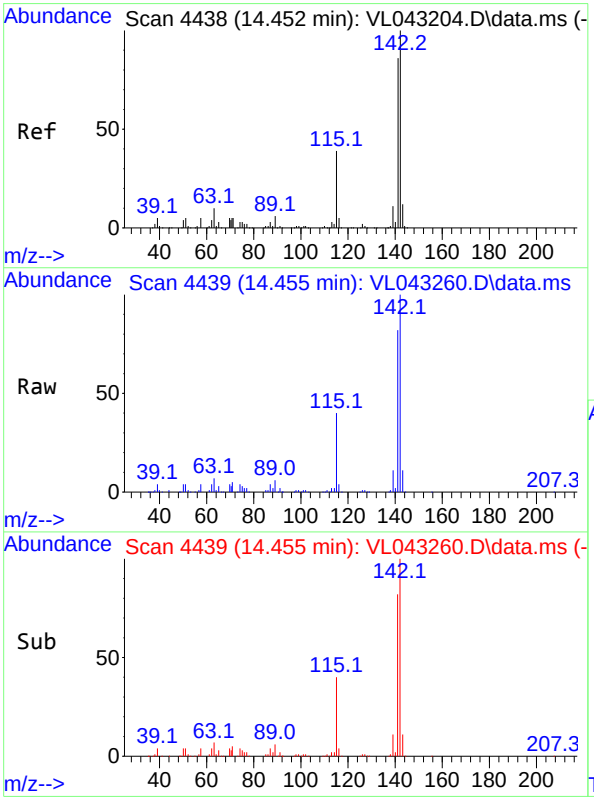
Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.2	8.4	12.6



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

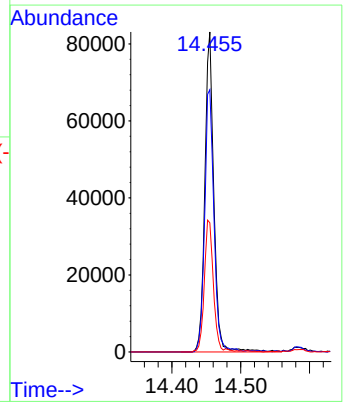
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

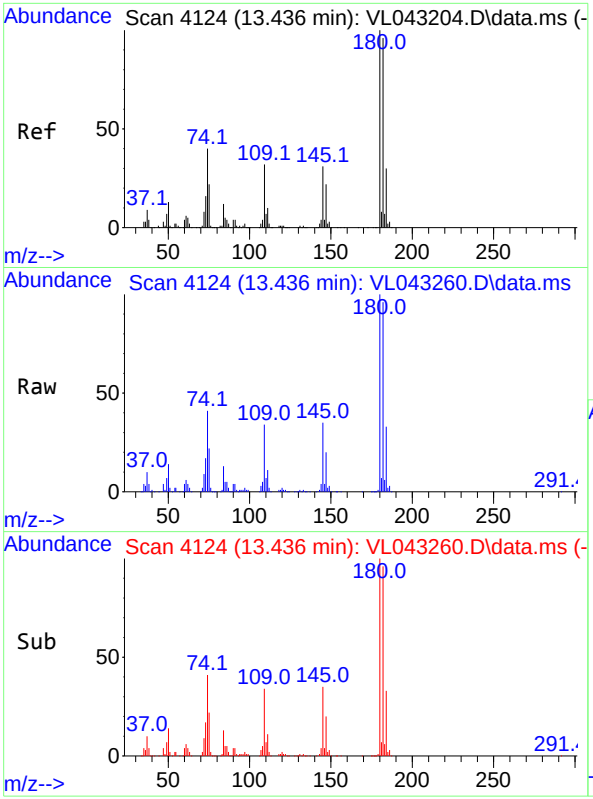


#80
Naphthalene,2-methyl-
Concen: 8.734 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:142 Resp: 75079

Ion	Ratio	Lower	Upper
142	100		
141	85.5	67.1	100.7
115	42.6	31.9	47.9

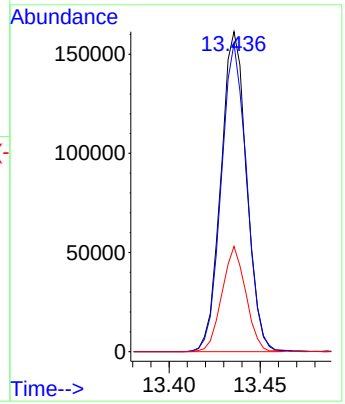




#81
1,2,4-Trichlorobenzene
Concen: 10.761 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:180 Resp: 15761

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.2
184	30.7	24.2	36.4



Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Flair Cleaners	Date Received:	
Client Sample ID:	SG-1DUP	SDG No.:	Q3655
Lab Sample ID:	Q3655-01DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.54	2.67	J	2	1.09	4.94	11/20/25 16:20	VL112025
74-87-3	Chloromethane	0.39	0.81	J	2	0.41	2.07	11/20/25 16:20	VL112025
75-01-4	Vinyl Chloride	0.050	0.13	U	2	0.13	0.15	11/20/25 16:20	VL112025
74-83-9	Bromomethane	0.15	0.58	U	2	0.58	3.88	11/20/25 16:20	VL112025
75-00-3	Chloroethane	0.30	0.79	U	2	0.79	2.64	11/20/25 16:20	VL112025
109-99-9	Tetrahydrofuran	0.16	0.47	U	2	0.47	2.95	11/20/25 16:20	VL112025
75-69-4	Trichlorofluoromethane	0.34	1.91	U	2	1.91	5.62	11/20/25 16:20	VL112025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.28	2.15	U	2	2.15	7.66	11/20/25 16:20	VL112025
76-14-2	Dichlorotetrafluoroethane	0.30	2.10	U	2	2.10	6.99	11/20/25 16:20	VL112025
75-65-0	tert-Butyl alcohol	0.32	0.97	U	2	0.97	3.03	11/20/25 16:20	VL112025
142-82-5	Heptane	0.34	1.39	U	2	1.39	4.10	11/20/25 16:20	VL112025
75-35-4	1,1-Dichloroethene	0.30	1.19	U	2	1.19	3.96	11/20/25 16:20	VL112025
67-64-1	Acetone	2.10	4.99		2	0.86	2.38	11/20/25 16:20	VL112025
75-15-0	Carbon Disulfide	0.16	0.50	U	2	0.50	3.11	11/20/25 16:20	VL112025
1634-04-4	Methyl tert-Butyl Ether	0.46	1.66	U	2	1.66	3.61	11/20/25 16:20	VL112025
75-09-2	Methylene Chloride	4.20	14.6		2	1.60	3.47	11/20/25 16:20	VL112025
156-60-5	trans-1,2-Dichloroethene	0.24	0.95	U	2	0.95	3.96	11/20/25 16:20	VL112025
75-34-3	1,1-Dichloroethane	0.26	1.05	U	2	1.05	4.05	11/20/25 16:20	VL112025
110-82-7	Cyclohexane	0.44	1.51	U	2	1.51	3.44	11/20/25 16:20	VL112025
78-93-3	2-Butanone	0.91	2.68	J	2	0.32	2.95	11/20/25 16:20	VL112025
56-23-5	Carbon Tetrachloride	0.11	0.69		2	0.31	0.38	11/20/25 16:20	VL112025
156-59-2	cis-1,2-Dichloroethene	0.20	0.79	U	2	0.79	3.96	11/20/25 16:20	VL112025
67-66-3	Chloroform	0.19	0.93	U	2	0.93	4.88	11/20/25 16:20	VL112025
71-55-6	1,1,1-Trichloroethane	0.030	0.16	U	2	0.16	0.33	11/20/25 16:20	VL112025
540-84-1	2,2,4-Trimethylpentane	0.28	1.31	U	2	1.31	4.67	11/20/25 16:20	VL112025
71-43-2	Benzene	0.27	0.86	J	2	0.51	3.19	11/20/25 16:20	VL112025
107-06-2	1,2-Dichloroethane	0.19	0.77	U	2	0.77	4.05	11/20/25 16:20	VL112025
79-01-6	Trichloroethene	0.090	0.48		2	0.27	0.32	11/20/25 16:20	VL112025
78-87-5	1,2-Dichloropropane	0.26	1.20	U	2	1.20	4.62	11/20/25 16:20	VL112025
75-27-4	Bromodichloromethane	0.13	0.87	U	2	0.87	6.70	11/20/25 16:20	VL112025
108-10-1	4-Methyl-2-Pentanone	0.19	0.78	U	2	0.78	4.10	11/20/25 16:20	VL112025
108-88-3	Toluene	0.46	1.73	J	2	1.21	3.77	11/20/25 16:20	VL112025
10061-02-6	t-1,3-Dichloropropene	0.30	1.36	U	2	1.36	4.54	11/20/25 16:20	VL112025
10061-01-5	cis-1,3-Dichloropropene	0.22	1.00	U	2	1.00	4.54	11/20/25 16:20	VL112025
79-00-5	1,1,2-Trichloroethane	0.16	0.87	U	2	0.87	5.46	11/20/25 16:20	VL112025
124-48-1	Dibromochloromethane	0.17	1.45	U	2	1.45	8.52	11/20/25 16:20	VL112025
106-93-4	1,2-Dibromoethane	0.17	1.31	U	2	1.31	1.54	11/20/25 16:20	VL112025
127-18-4	Tetrachloroethene	12.3	83.4		2	0.20	0.41	11/20/25 16:20	VL112025
108-90-7	Chlorobenzene	0.15	0.69	U	2	0.69	4.61	11/20/25 16:20	VL112025
100-41-4	Ethyl Benzene	0.38	1.65	U	2	1.65	4.34	11/20/25 16:20	VL112025
179601-23-1	m/p-Xylene	0.82	3.56	U	2	3.56	8.69	11/20/25 16:20	VL112025
95-47-6	o-Xylene	0.42	1.82	U	2	1.82	4.34	11/20/25 16:20	VL112025
100-42-5	Styrene	0.32	1.36	U	2	1.36	4.26	11/20/25 16:20	VL112025
75-25-2	Bromoform	0.10	1.03	U	2	1.03	10.3	11/20/25 16:20	VL112025
79-34-5	1,1,2,2-Tetrachloroethane	0.040	0.27	U	2	0.27	0.41	11/20/25 16:20	VL112025
95-49-8	2-Chlorotoluene	0.34	1.76	U	2	1.76	5.18	11/20/25 16:20	VL112025

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

Report of Analysis

Client:	RTP Environmental	Date Collected:	
Project:	Flair Cleaners	Date Received:	
Client Sample ID:	SG-1DUP	SDG No.:	Q3655
Lab Sample ID:	Q3655-01DUP	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 mL		

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qua.	DF	MDL ug/m3	LOQ / CRQL ug/m3		Date Ana.	BatchID
108-67-8	1,3,5-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92		11/20/25 16:20	VL112025
95-63-6	1,2,4-Trimethylbenzene	0.36	1.77	U	2	1.77	4.92		11/20/25 16:20	VL112025
541-73-1	1,3-Dichlorobenzene	0.11	0.66	U	2	0.66	6.01		11/20/25 16:20	VL112025
106-46-7	1,4-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01		11/20/25 16:20	VL112025
95-50-1	1,2-Dichlorobenzene	0.26	1.56	U	2	1.56	6.01		11/20/25 16:20	VL112025
120-82-1	1,2,4-Trichlorobenzene	0.42	3.12	U	2	3.12	7.42		11/20/25 16:20	VL112025
87-68-3	Hexachloro-1,3-Butadiene	0.26	2.77	U	2	2.77	10.7		11/20/25 16:20	VL112025
106-99-0	1,3-Butadiene	0.10	0.22	U	2	0.22	2.21		11/20/25 16:20	VL112025
91-20-3	Naphthalene	0.030	0.16	U	2	0.16	1.05		11/20/25 16:20	VL112025
622-96-8	4-Ethyltoluene	0.42	2.06	U	2	2.06	4.92		11/20/25 16:20	VL112025
110-54-3	Hexane	3.40	12.0		2	1.13	3.52		11/20/25 16:20	VL112025
107-05-1	Allyl Chloride	0.22	0.69	U	2	0.69	3.13		11/20/25 16:20	VL112025
123-91-1	1,4-Dioxane	0.44	1.59	U	2	1.59	3.60		11/20/25 16:20	VL112025
80-62-6	Methyl Methacrylate	0.28	1.15	U	2	1.15	4.09		11/20/25 16:20	VL112025
SURROGATES										
460-00-4	1-Bromo-4-Fluorobenzene	9.70				70 (65) - 130 (135)	97%	SPK: 10		
INTERNAL STANDARDS		**Area Count**								
74-97-5	Bromochloromethane	103000								
540-36-3	1,4-Difluorobenzene	274000								
3114-55-4	Chlorobenzene-d5	207000								

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\VL112025\
Data File : VL043267.D
Acq On : 20 Nov 2025 16:20
Operator : SY/MD
Sample : Q3655-01DUP 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

Quant Time: Nov 21 00:40:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	103103	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	274025	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	207116	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	147871	9.740	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3914	0.269	ppbv		96
3) Chlorodifluoromethane	1.473	51	1398m	0.098	ppbv		
4) Chloromethane	1.531	50	1067	0.196	ppbv		89
9) Propene	1.489	41	1389	0.229	ppbv	#	1
11) Trichlorofluoromethane	1.881	101	2116	0.150	ppbv		86
13) Ethanol	1.719	45	3960	1.854	ppbv	#	38
15) Acetone	1.835	43	15112m	1.055	ppbv		
19) Isopropyl Alcohol	1.884	45	5352	0.661	ppbv	#	29
20) Methylene Chloride	2.062	84	11481	2.100	ppbv		86
26) Hexane	2.826	57	23124	1.707	ppbv	#	43
34) 2-Butanone	2.557	43	8817	0.456	ppbv		97
35) Carbon Tetrachloride	3.764	117	1101m	0.053	ppbv		
36) Benzene	3.658	78	3543m	0.135	ppbv		
38) Trichloroethene	4.538	130	469m	0.046	ppbv		
52) Tetrachloroethene	8.218	164	60070	6.154	ppbv		98
53) Toluene	6.923	91	7125m	0.229	ppbv		
59) m/p-Xylene	9.529	91	3689m	0.115	ppbv		

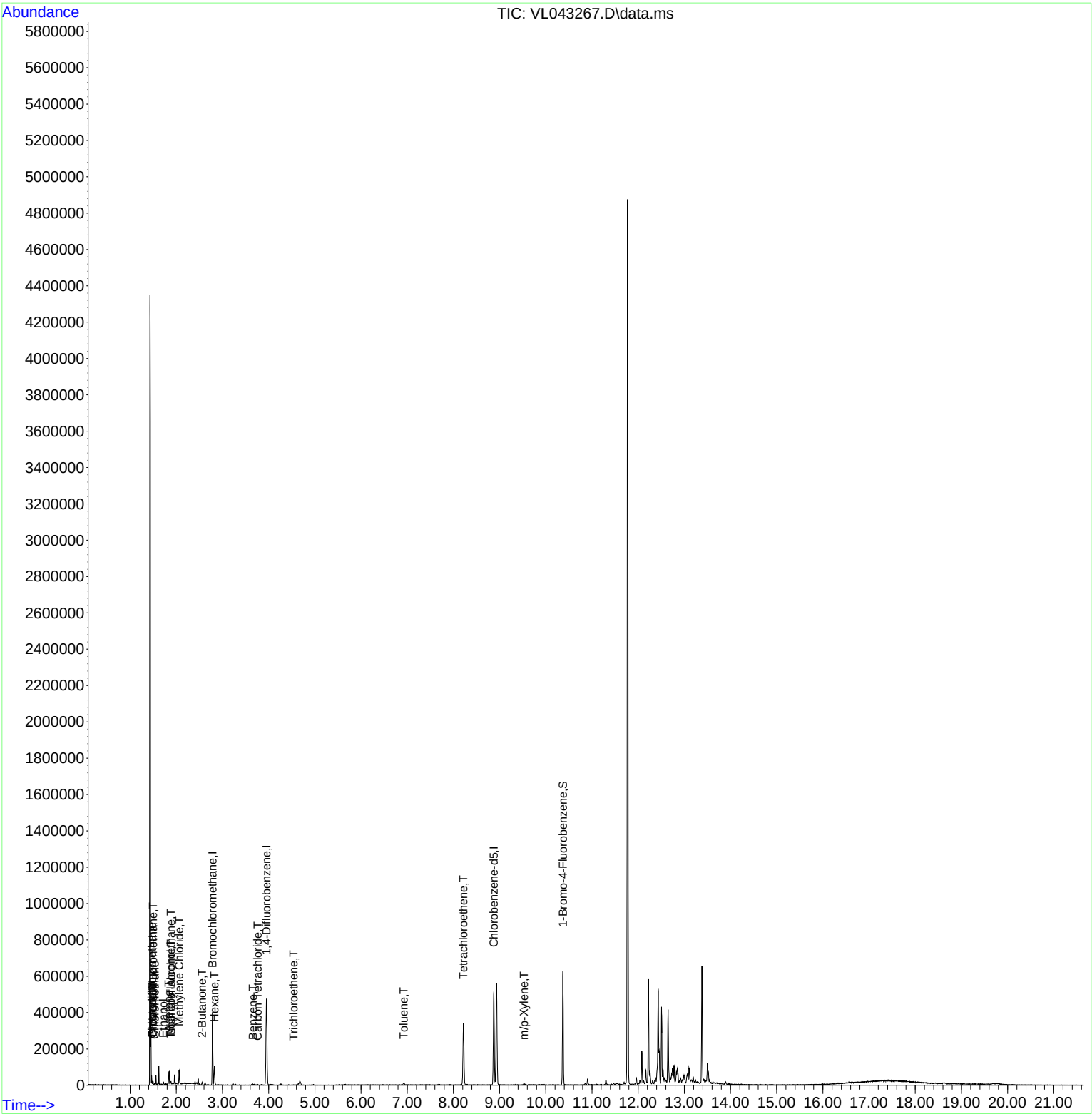
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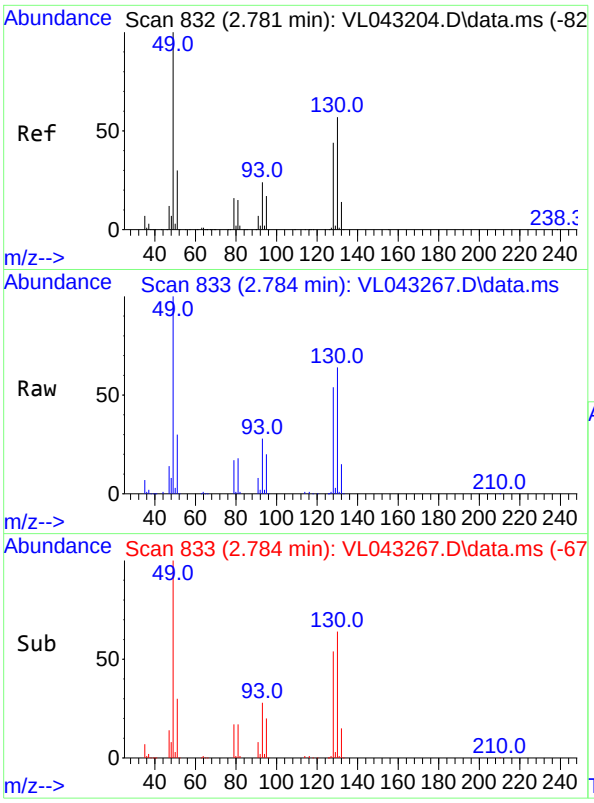
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043267.D
Acq On : 20 Nov 2025 16:20
Operator : SY/MD
Sample : Q3655-01DUP 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 21 00:40:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

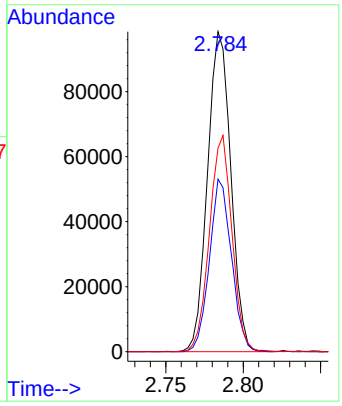




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 49 Resp: 10310

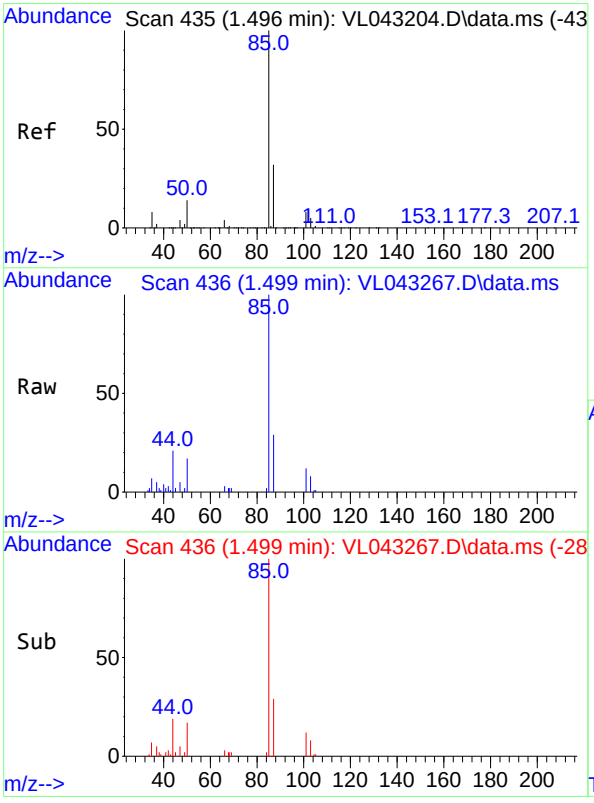
Ion	Ratio	Lower	Upper
49	100		
128	50.9	23.0	69.0
130	65.3	29.9	89.7



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

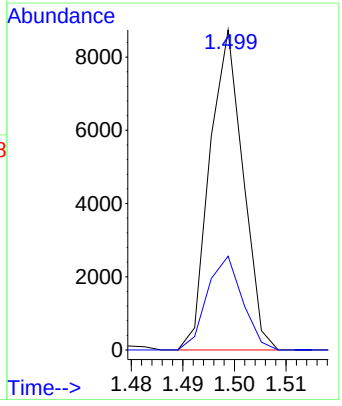
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

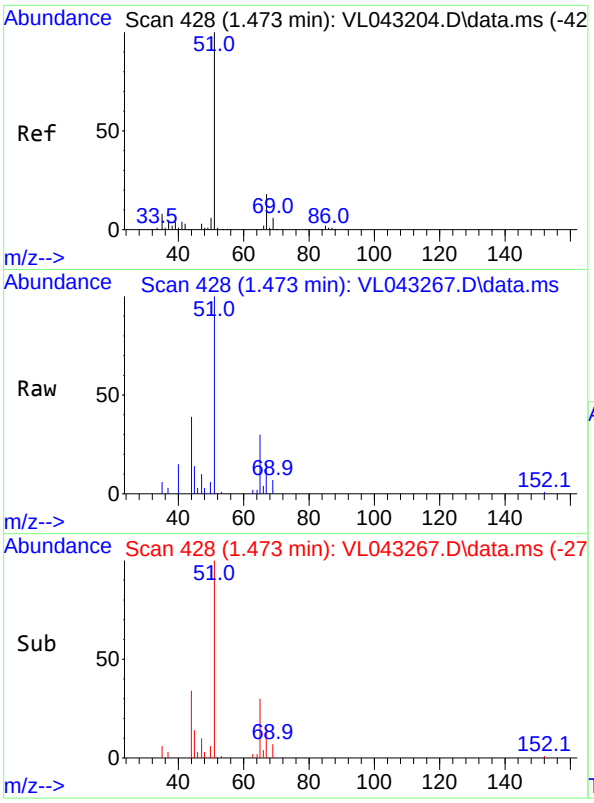


#2
Dichlorodifluoromethane
Concen: 0.269 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 85 Resp: 3914

Ion	Ratio	Lower	Upper
85	100		
87	29.3	25.4	38.2

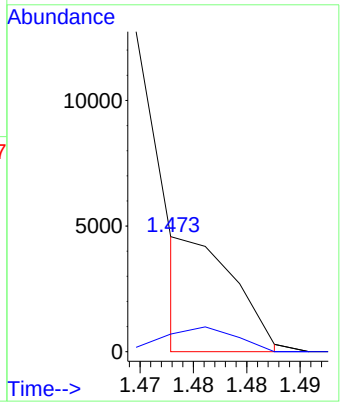




#3
Chlorodifluoromethane
Concen: 0.098 ppbv m
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 51 Resp: 139

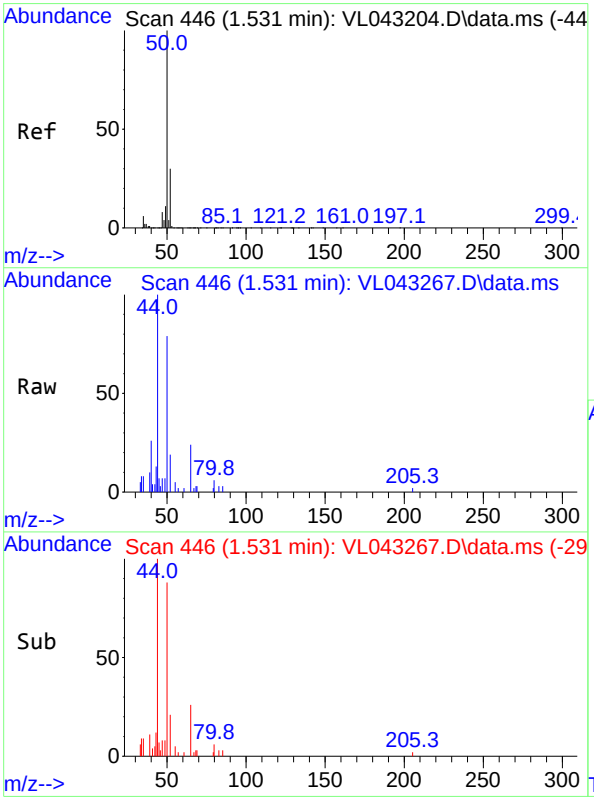
Ion	Ratio	Lower	Upper
51	100		
67	6.9	14.9	22.3#



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

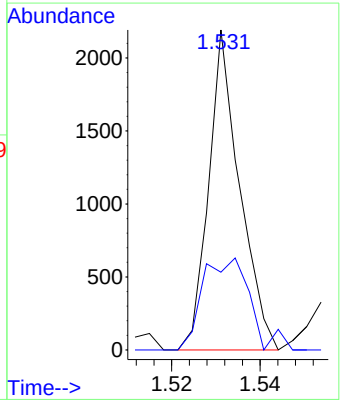
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

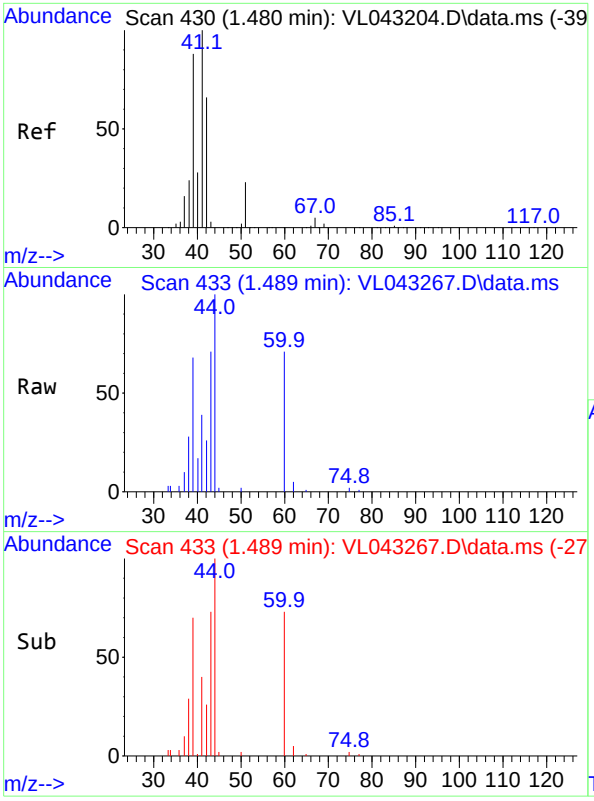


#4
Chloromethane
Concen: 0.196 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 50 Resp: 1067

Ion	Ratio	Lower	Upper
50	100		
52	24.3	24.1	36.1

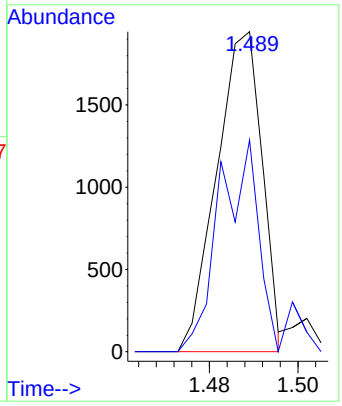




#9
Propene
Concen: 0.229 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 41 Resp: 138

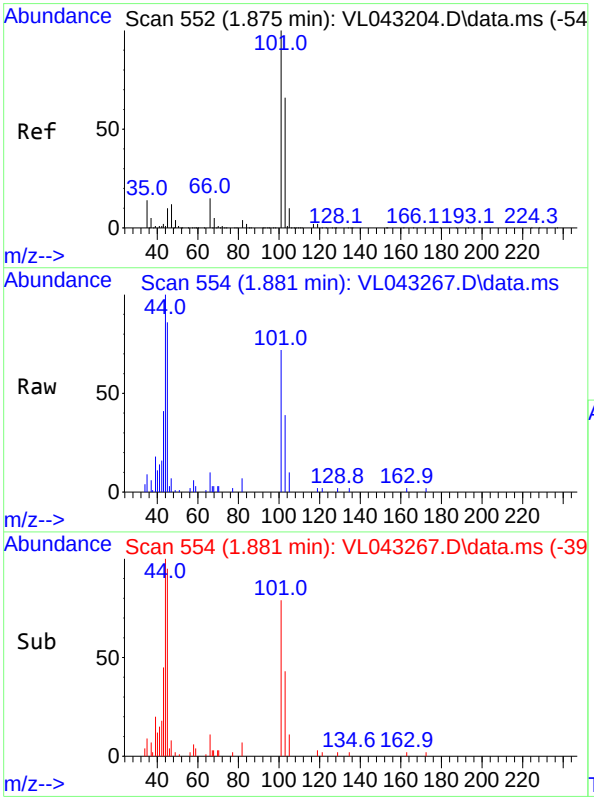
Ion	Ratio	Lower	Upper
41	100		
42	74.4	3.7	5.5



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

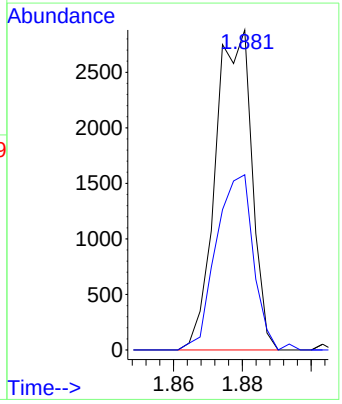
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

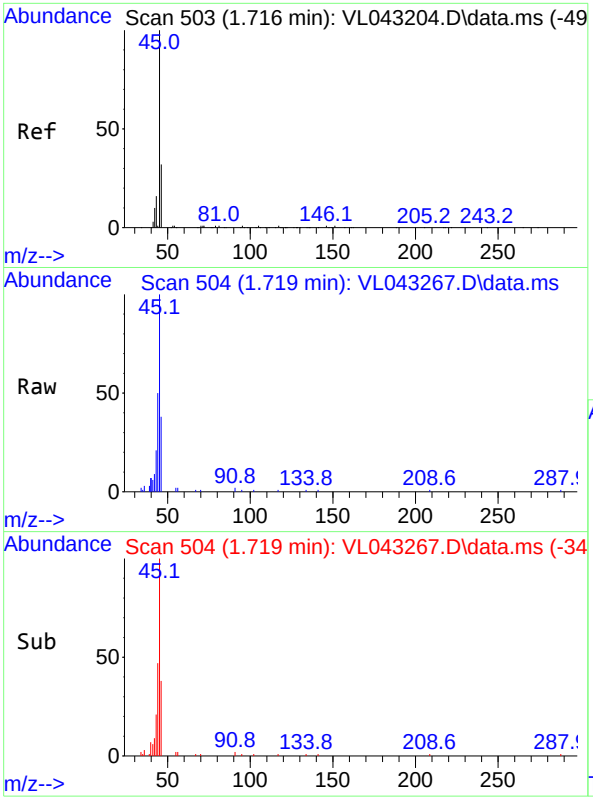


#11
Trichlorofluoromethane
Concen: 0.150 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:101 Resp: 2116

Ion	Ratio	Lower	Upper
101	100		
103	54.7	52.6	79.0

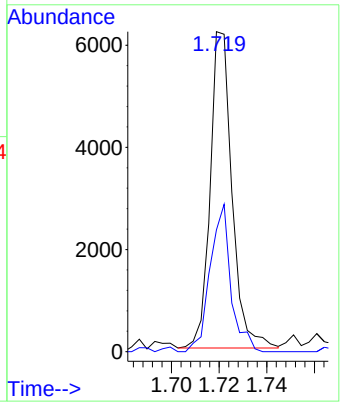




#13
Ethanol
Concen: 1.854 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 45 Resp: 396

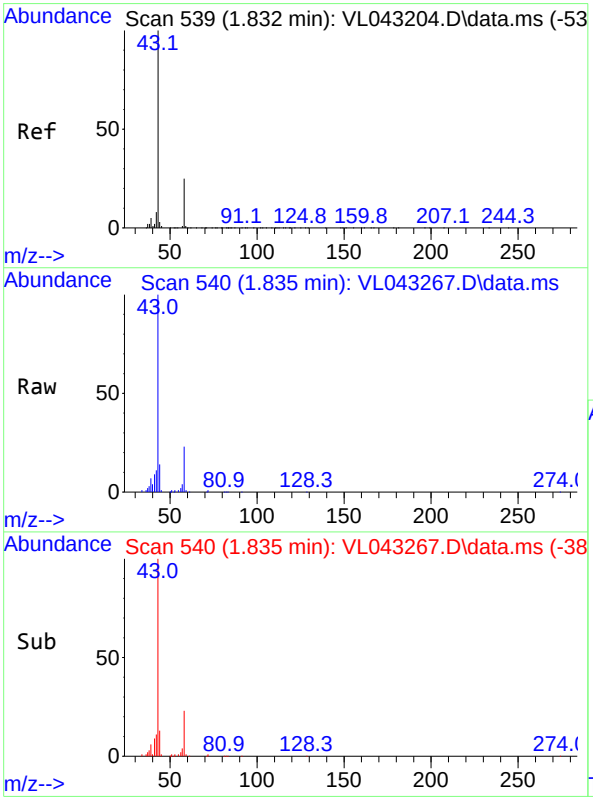
Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

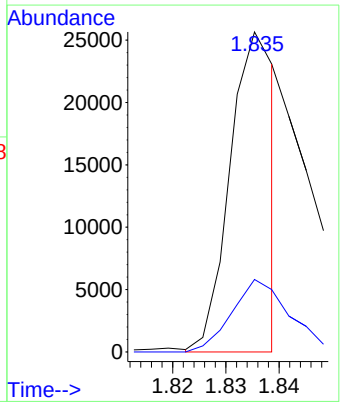
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

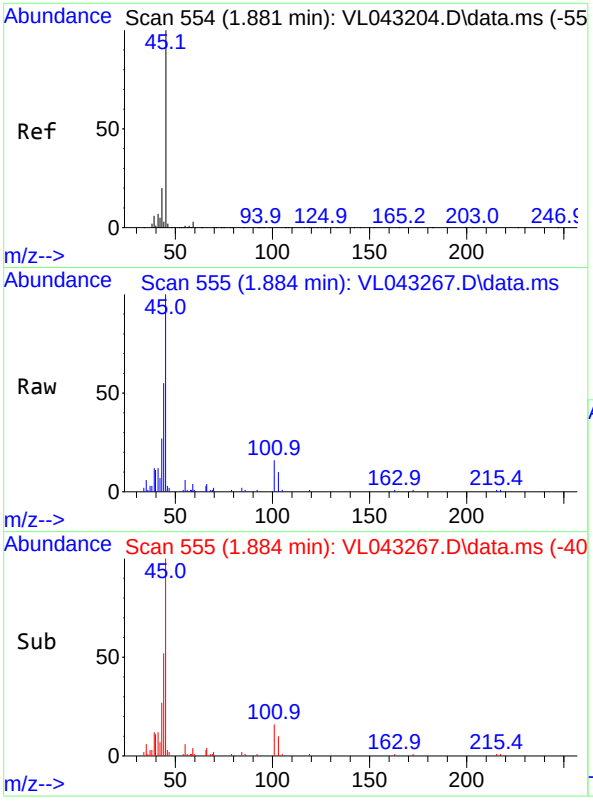


#15
Acetone
Concen: 1.055 ppbv m
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 43 Resp: 15112

Ion	Ratio	Lower	Upper
43	100		
58	29.2	20.7	31.1

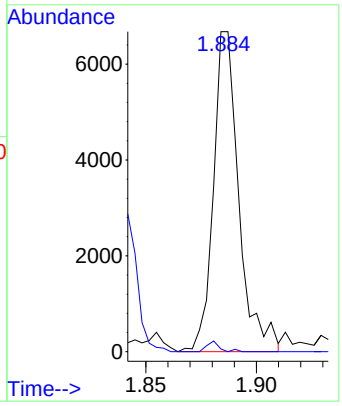




#19
Isopropyl Alcohol
Concen: 0.661 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 45 Resp: 535

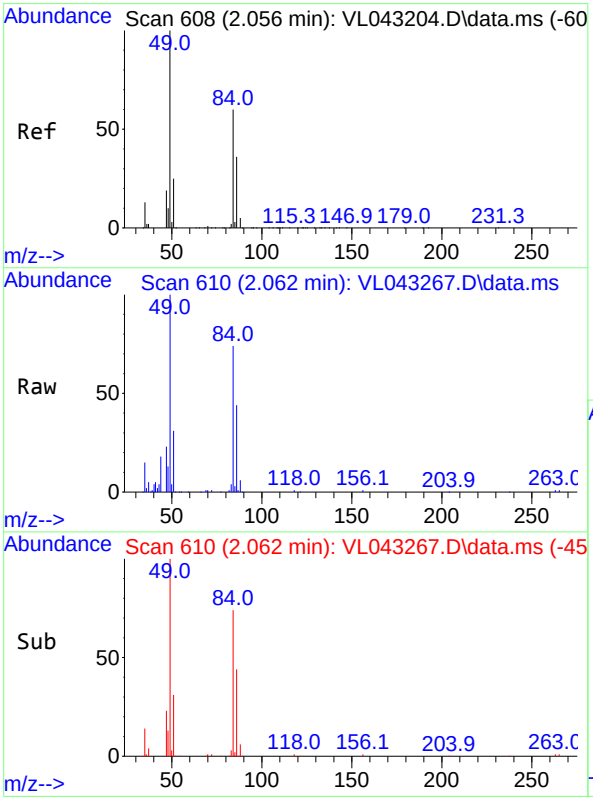
Ion	Ratio	Lower	Upper
45	100		
58	82.5	31.3	46.9#



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

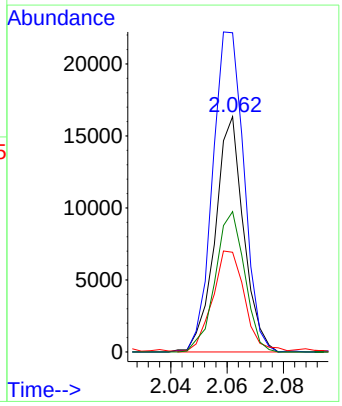
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

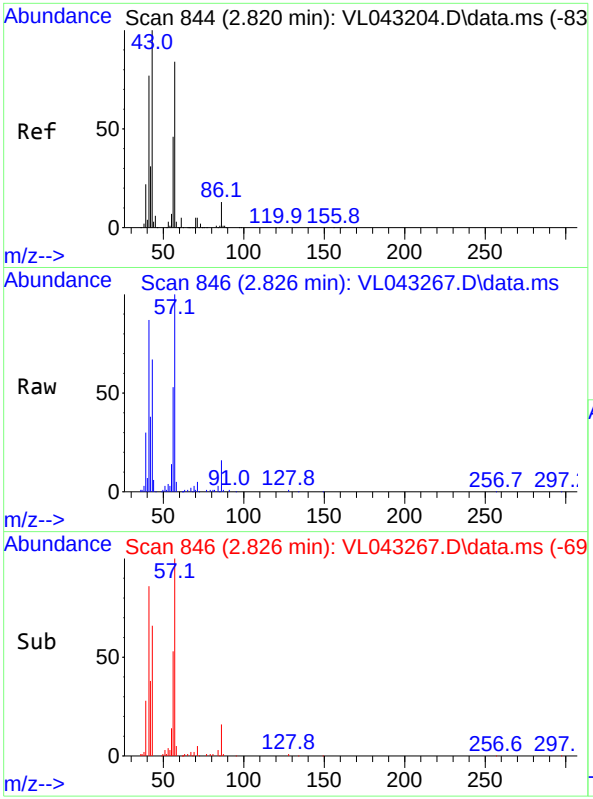


#20
Methylene Chloride
Concen: 2.100 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 84 Resp: 11481

Ion	Ratio	Lower	Upper
84	100		
49	135.6	132.9	199.3
51	41.9	34.8	52.2
86	59.6	48.2	72.2

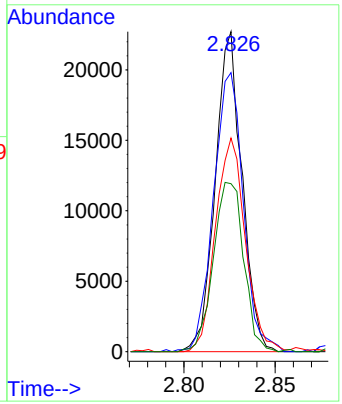




#26
Hexane
Concen: 1.707 ppbv
RT: 2.826 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 57 Resp: 2312

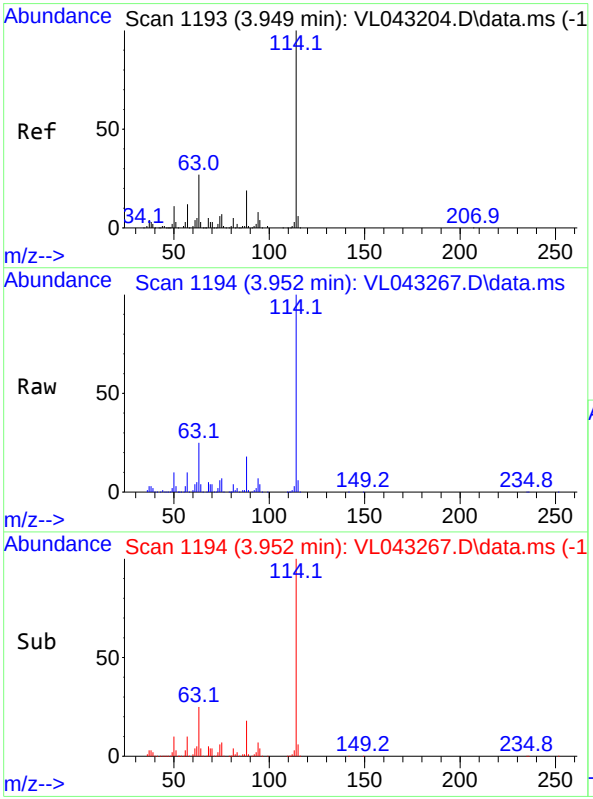
Ion	Ratio	Lower	Upper
57	100		
41	97.2	74.6	111.8
43	76.7	179.0	268.4
56	60.3	42.3	63.5



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

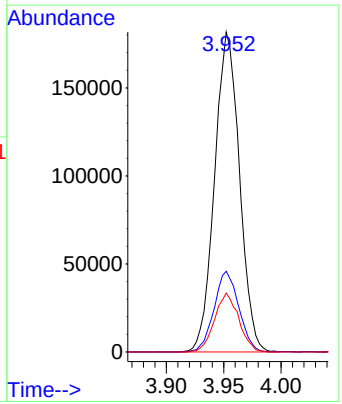
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

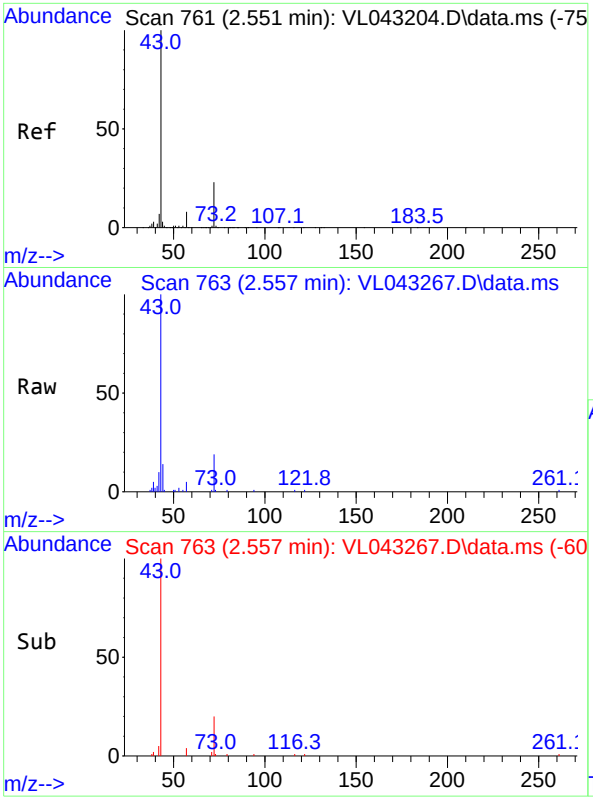


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:114 Resp: 274025

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.0	31.6
88	17.9	14.9	22.3

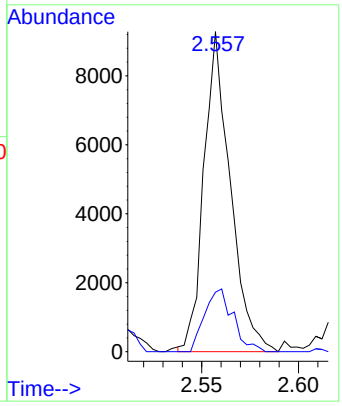




#34
2-Butanone
Concen: 0.456 ppbv
RT: 2.557 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 43 Resp: 881

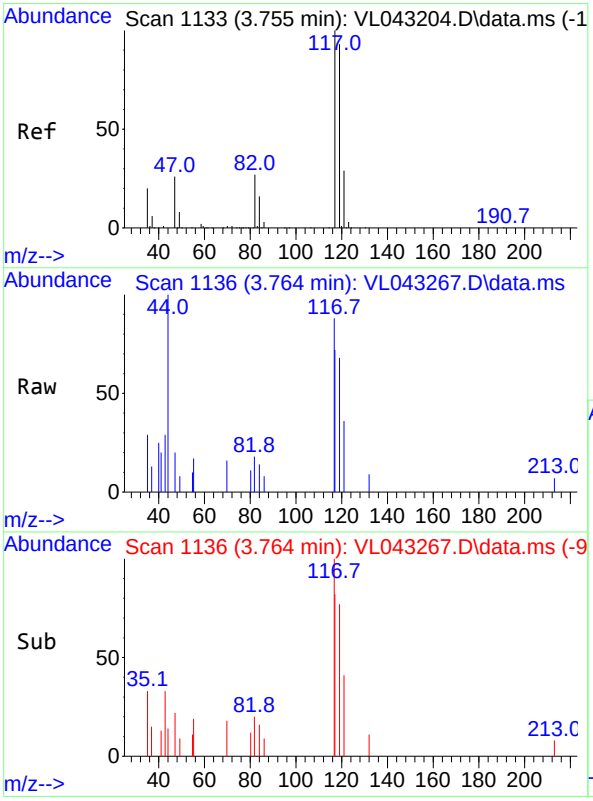
Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.1	27.1



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

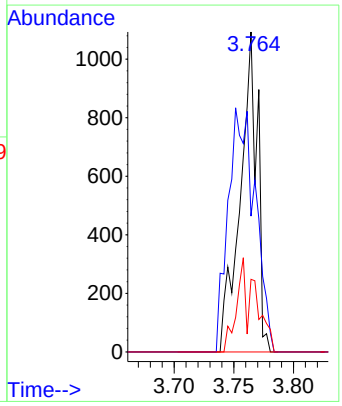
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

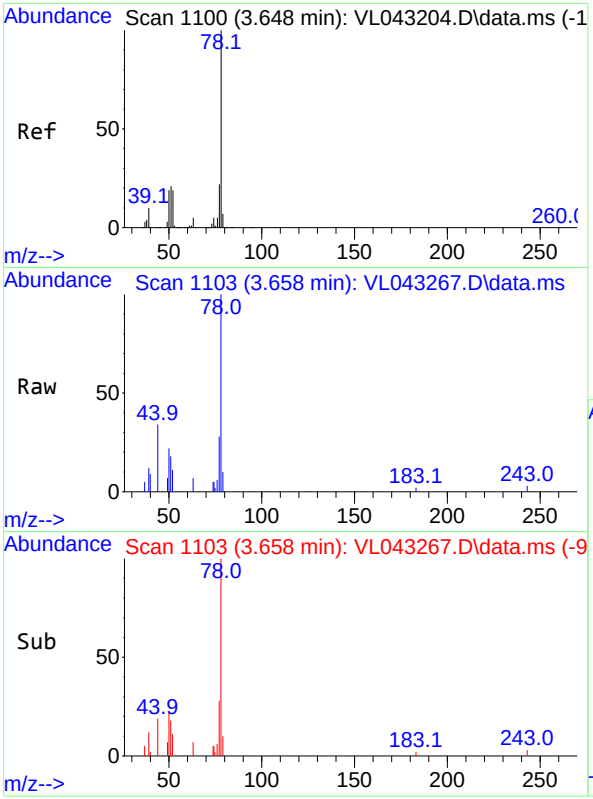


#35
Carbon Tetrachloride
Concen: 0.053 ppbv m
RT: 3.764 min Scan# 1136
Delta R.T. 0.009 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:117 Resp: 1101

Ion	Ratio	Lower	Upper
117	100		
119	77.3	74.6	112.0
121	41.3	23.2	34.8#

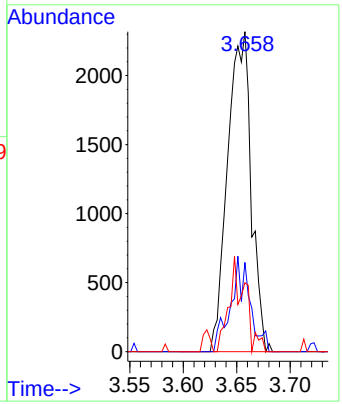




#36
Benzene
Concen: 0.135 ppbv m
RT: 3.658 min Scan# 1
Delta R.T. 0.009 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 78 Resp: 354

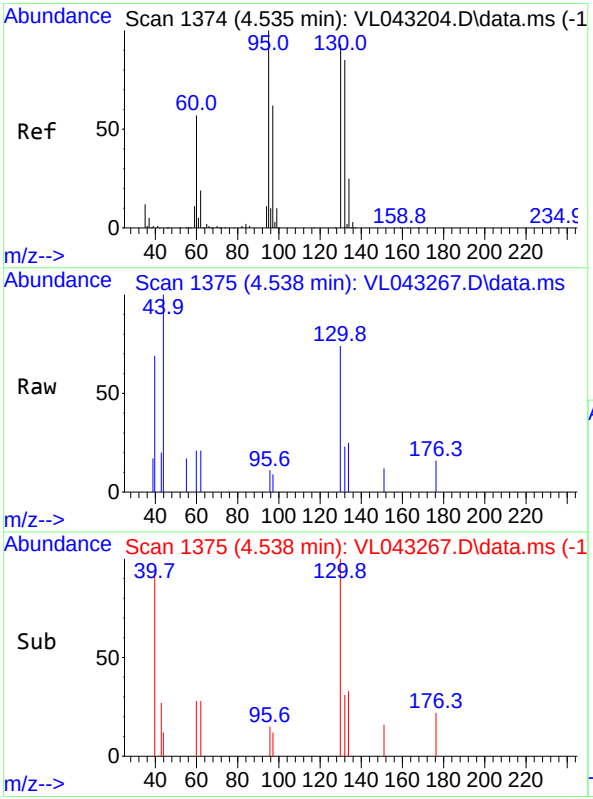
Ion	Ratio	Lower	Upper
78	100		
77	27.9	17.5	26.3#
50	21.5	15.5	23.3



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

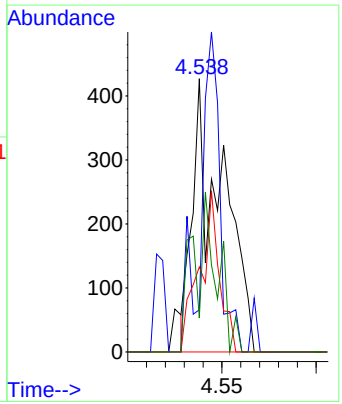
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

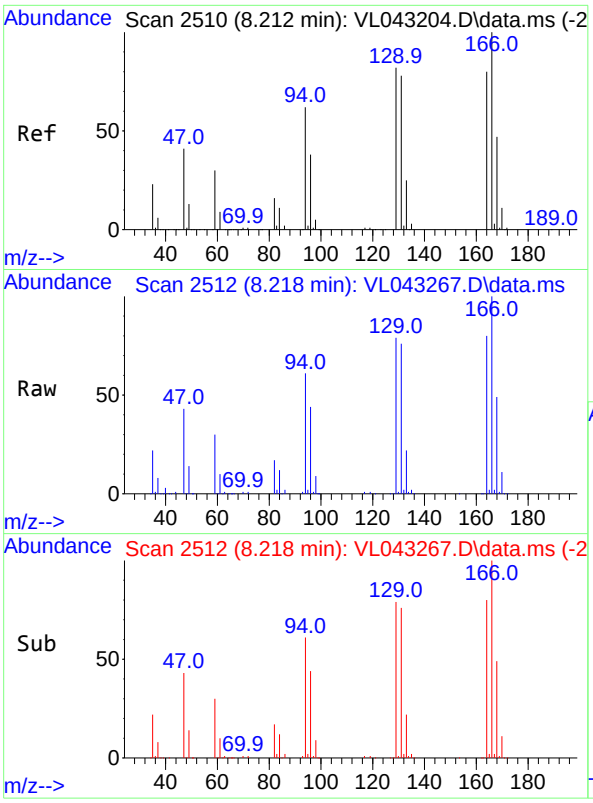


#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:130 Resp: 469

Ion	Ratio	Lower	Upper
130	100		
95	15.5	85.7	128.5#
132	31.1	73.4	110.0#
97	12.4	52.7	79.1#

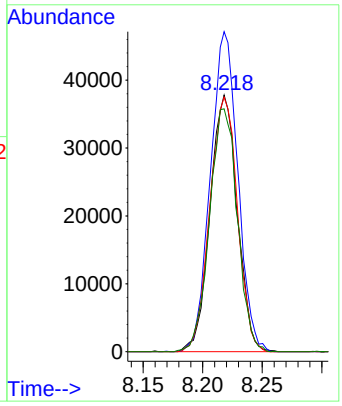




#52
Tetrachloroethene
Concen: 6.154 ppbv
RT: 8.218 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:164 Resp: 6007

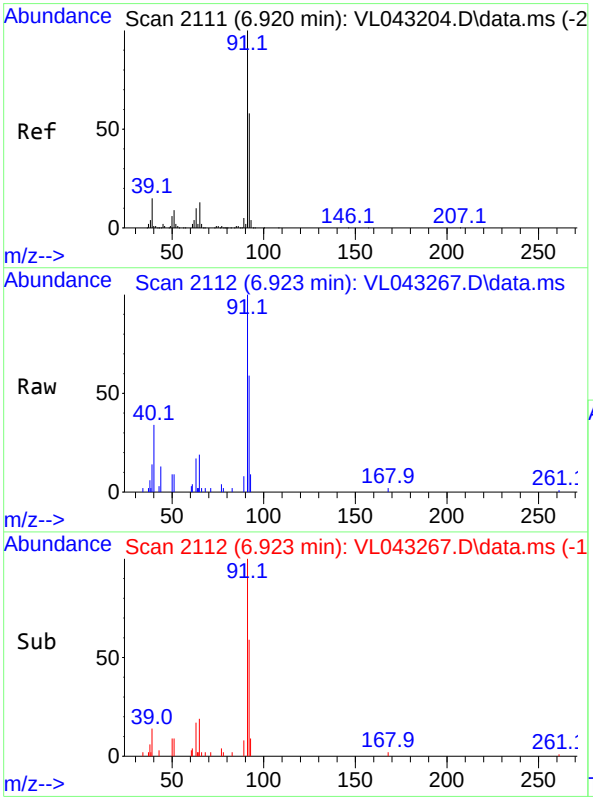
Ion	Ratio	Lower	Upper
164	100		
166	124.7	99.4	149.2
129	99.1	81.8	122.8
131	94.6	77.4	116.2



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
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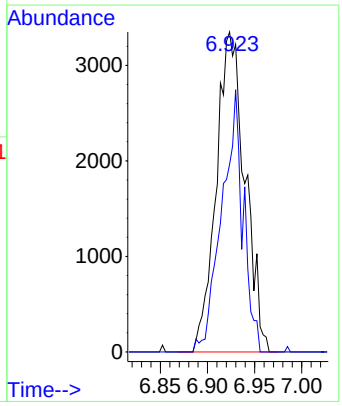
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

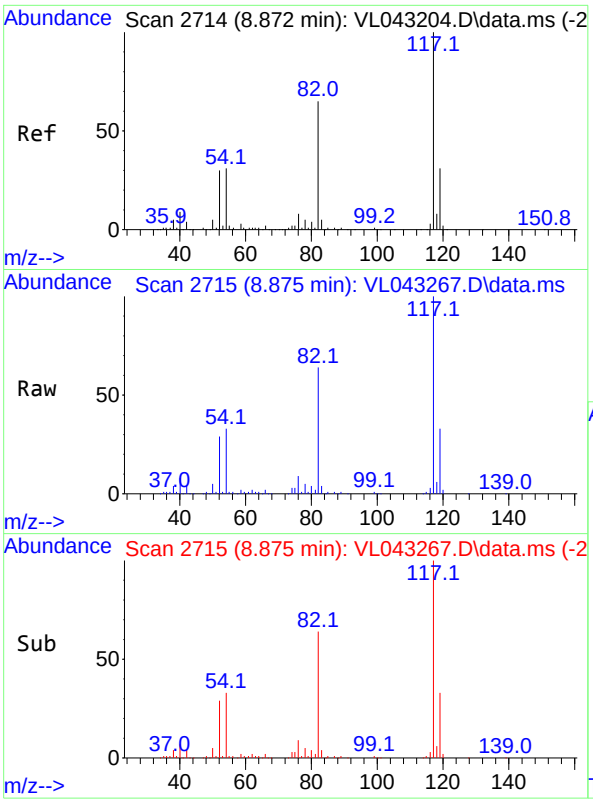


#53
Toluene
Concen: 0.229 ppbv m
RT: 6.923 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 91 Resp: 7125

Ion	Ratio	Lower	Upper
91	100		
92	60.8	47.4	71.0

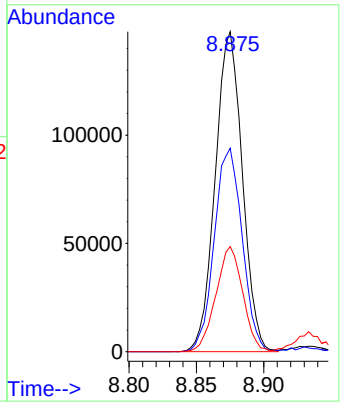




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:117 Resp: 20711

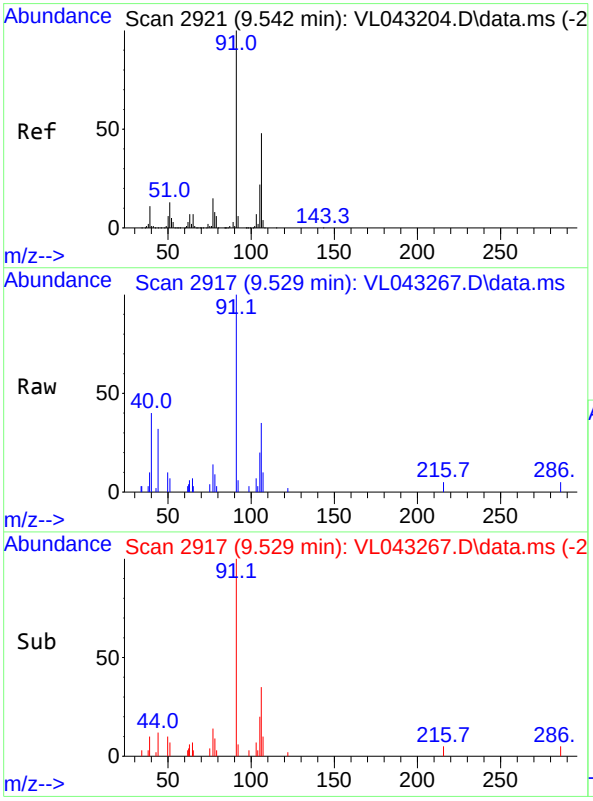
Ion	Ratio	Lower	Upper
117	100		
82	65.4	56.1	84.1
119	32.5	25.0	37.6



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
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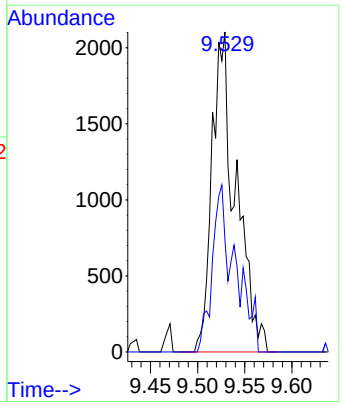
Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

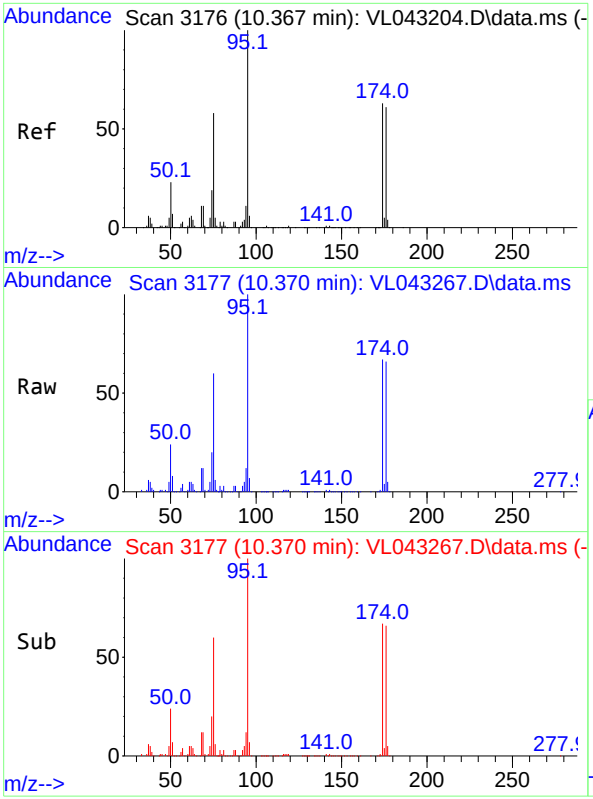


#59
m/p-Xylene
Concen: 0.115 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.013 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 91 Resp: 3689

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

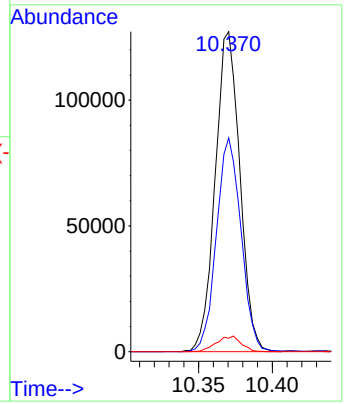




#68
1-Bromo-4-Fluorobenzene
Concen: 9.740 ppbv
RT: 10.370 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 95 Resp: 14787

Ion	Ratio	Lower	Upper
95	100		
174	66.9	50.2	75.2
175	4.9	4.1	6.1



Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2025
Supervised By :Mahesh Dadoda 11/21/2025

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Manual Integration Report

Sequence:	VL111825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL043203.D	1,1,1,2-Tetrachloroethane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	1,1,2-Trichloroethane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	1,4-Dioxane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	cis-1,3-Dichloropropene	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Ethyl Acetate	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Heptane	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	m/p-Xylene	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Methyl Methacrylate	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICC0.5	VL043203.D	Toluene	sam	11/19/2025 8:29:16 AM	MMDadoda	11/19/2025 9:42:12 AM	Peak Integrated by Software
VSTDICCC010	VL043204.D	m/p-Xylene	sam	11/19/2025 8:29:20 AM	MMDadoda	11/19/2025 9:42:15 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	1,1,2-Trichloroethane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	1,4-Dioxane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	Benzene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL111825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC002	VL043205.D	Dibromochloromethane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	Heptane	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	m/p-Xylene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	t-1,3-Dichloropropene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC002	VL043205.D	Trichloroethene	sam	11/19/2025 8:30:50 AM	MMDadoda	11/19/2025 9:42:20 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	1,4-Dioxane	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	2,2,4-Trimethylpentane	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	m/p-Xylene	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	t-1,3-Dichloropropene	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC001	VL043206.D	Trichloroethene	sam	11/19/2025 8:31:27 AM	MMDadoda	11/19/2025 9:42:23 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	1,1,1-Trichloroethane	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	1,1,2,2-Tetrachloroethane	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	1,2-Dibromoethane	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL111825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL043208.D	Carbon Tetrachloride	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	Naphthalene	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	Tetrachloroethene	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.1	VL043208.D	Trichloroethene	sam	11/19/2025 8:31:38 AM	MMDadoda	11/19/2025 9:42:32 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	1,1,1-Trichloroethane	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	1,1,2,2-Tetrachloroethane	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Carbon Tetrachloride	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Tetrachloroethene	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Trichloroethene	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC0.03	VL043209.D	Vinyl Chloride	sam	11/19/2025 8:31:44 AM	MMDadoda	11/19/2025 9:42:35 AM	Peak Integrated by Software
VSTDICC015	VL043210.D	m/p-Xylene	sam	11/19/2025 8:32:26 AM	MMDadoda	11/19/2025 9:42:39 AM	Peak Integrated by Software
VSTDICC015	VL043210.D	Propene	sam	11/19/2025 8:32:26 AM	MMDadoda	11/19/2025 9:42:39 AM	Peak Integrated by Software
VSTDICV010	VL043211.D	m/p-Xylene	sam	11/19/2025 8:31:49 AM	MMDadoda	11/19/2025 9:43:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL111825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV010	VL043211.D	Propene	sam	11/19/2025 8:31:49 AM	MMDadoda	11/19/2025 9:43:04 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL112025	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL043257.D	1,1,2-Trichloroethane	sam	11/21/2025 11:18:09 AM	MMDadoda	11/21/2025 12:21:47 PM	Peak Integrated by Software
VSTDCCC010	VL043257.D	m/p-Xylene	sam	11/21/2025 11:18:09 AM	MMDadoda	11/21/2025 12:21:47 PM	Peak Integrated by Software
VSTDCCC010	VL043257.D	Propene	sam	11/21/2025 11:18:09 AM	MMDadoda	11/21/2025 12:21:47 PM	Peak Integrated by Software
VL1120ABS01	VL043260.D	m/p-Xylene	sam	11/21/2025 11:18:17 AM	MMDadoda	11/21/2025 12:21:51 PM	Peak Integrated by Software
VL1120ABS01	VL043260.D	Propene	sam	11/21/2025 11:18:17 AM	MMDadoda	11/21/2025 12:21:51 PM	Peak Integrated by Software
Q3655-01	VL043261.D	Acetone	sam	11/21/2025 11:18:21 AM	MMDadoda	11/21/2025 12:21:54 PM	Peak Integrated by Software
Q3655-01	VL043261.D	Benzene	sam	11/21/2025 11:18:21 AM	MMDadoda	11/21/2025 12:21:54 PM	Peak Integrated by Software
Q3655-01	VL043261.D	Carbon Tetrachloride	sam	11/21/2025 11:18:21 AM	MMDadoda	11/21/2025 12:21:54 PM	Peak Integrated by Software
Q3655-01	VL043261.D	Chlorodifluoromethane	sam	11/21/2025 11:18:21 AM	MMDadoda	11/21/2025 12:21:54 PM	Peak Integrated by Software
Q3655-01	VL043261.D	m/p-Xylene	sam	11/21/2025 11:18:21 AM	MMDadoda	11/21/2025 12:21:54 PM	Peak Integrated by Software
Q3655-01	VL043261.D	Toluene	sam	11/21/2025 11:18:21 AM	MMDadoda	11/21/2025 12:21:54 PM	Peak Integrated by Software
Q3655-02	VL043262.D	Carbon Tetrachloride	sam	11/21/2025 11:19:09 AM	MMDadoda	11/21/2025 12:21:58 PM	Peak Integrated by Software
Q3655-02	VL043262.D	Chlorodifluoromethane	sam	11/21/2025 11:19:09 AM	MMDadoda	11/21/2025 12:21:58 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL112025	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3655-02	VL043262.D	m/p-Xylene	sam	11/21/2025 11:19:09 AM	MMDadoda	11/21/2025 12:21:58 PM	Peak Integrated by Software
Q3655-02	VL043262.D	Toluene	sam	11/21/2025 11:19:09 AM	MMDadoda	11/21/2025 12:21:58 PM	Peak Integrated by Software
Q3655-02	VL043262.D	Trichloroethene	sam	11/21/2025 11:19:09 AM	MMDadoda	11/21/2025 12:21:58 PM	Peak Integrated by Software
Q3655-03	VL043263.D	Acetone	sam	11/21/2025 11:19:18 AM	MMDadoda	11/21/2025 12:22:02 PM	Peak Integrated by Software
Q3655-03	VL043263.D	Carbon Tetrachloride	sam	11/21/2025 11:19:18 AM	MMDadoda	11/21/2025 12:22:02 PM	Peak Integrated by Software
Q3655-03	VL043263.D	Chlorodifluoromethane	sam	11/21/2025 11:19:18 AM	MMDadoda	11/21/2025 12:22:02 PM	Peak Integrated by Software
Q3655-03	VL043263.D	m/p-Xylene	sam	11/21/2025 11:19:18 AM	MMDadoda	11/21/2025 12:22:02 PM	Peak Integrated by Software
Q3655-03	VL043263.D	Toluene	sam	11/21/2025 11:19:18 AM	MMDadoda	11/21/2025 12:22:02 PM	Peak Integrated by Software
Q3655-03	VL043263.D	Trichloroethene	sam	11/21/2025 11:19:18 AM	MMDadoda	11/21/2025 12:22:02 PM	Peak Integrated by Software
Q3655-03	VL043263.D	Trichlorofluoromethane	sam	11/21/2025 11:19:18 AM	MMDadoda	11/21/2025 12:22:02 PM	Peak Integrated by Software
Q3655-04	VL043264.D	Carbon Tetrachloride	sam	11/21/2025 11:19:23 AM	MMDadoda	11/21/2025 12:22:07 PM	Peak Integrated by Software
Q3655-04	VL043264.D	Chlorodifluoromethane	sam	11/21/2025 11:19:23 AM	MMDadoda	11/21/2025 12:22:07 PM	Peak Integrated by Software
Q3655-04	VL043264.D	m/p-Xylene	sam	11/21/2025 11:19:23 AM	MMDadoda	11/21/2025 12:22:07 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL112025	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3655-04	VL043264.D	Toluene	sam	11/21/2025 11:19:23 AM	MMDadoda	11/21/2025 12:22:07 PM	Peak Integrated by Software
Q3655-05	VL043265.D	Benzene	sam	11/21/2025 11:18:26 AM	MMDadoda	11/21/2025 12:22:10 PM	Peak Integrated by Software
Q3655-05	VL043265.D	Carbon Tetrachloride	sam	11/21/2025 11:18:26 AM	MMDadoda	11/21/2025 12:22:10 PM	Peak Integrated by Software
Q3655-05	VL043265.D	m/p-Xylene	sam	11/21/2025 11:18:26 AM	MMDadoda	11/21/2025 12:22:10 PM	Peak Integrated by Software
Q3655-05	VL043265.D	tert-Butyl alcohol	sam	11/21/2025 11:18:26 AM	MMDadoda	11/21/2025 12:22:10 PM	Peak Integrated by Software
Q3655-05	VL043265.D	Toluene	sam	11/21/2025 11:18:26 AM	MMDadoda	11/21/2025 12:22:10 PM	Peak Integrated by Software
Q3655-05	VL043265.D	Trichloroethene	sam	11/21/2025 11:18:26 AM	MMDadoda	11/21/2025 12:22:10 PM	Peak Integrated by Software
Q3655-05	VL043265.D	Trichlorofluoromethane	sam	11/21/2025 11:18:26 AM	MMDadoda	11/21/2025 12:22:10 PM	Peak Integrated by Software
Q3655-06	VL043266.D	Carbon Tetrachloride	sam	11/21/2025 11:19:27 AM	MMDadoda	11/21/2025 12:22:14 PM	Peak Integrated by Software
Q3655-06	VL043266.D	Chlorodifluoromethane	sam	11/21/2025 11:19:27 AM	MMDadoda	11/21/2025 12:22:14 PM	Peak Integrated by Software
Q3655-06	VL043266.D	m/p-Xylene	sam	11/21/2025 11:19:27 AM	MMDadoda	11/21/2025 12:22:14 PM	Peak Integrated by Software
Q3655-06	VL043266.D	Trichloroethene	sam	11/21/2025 11:19:27 AM	MMDadoda	11/21/2025 12:22:14 PM	Peak Integrated by Software
Q3655-01DUP	VL043267.D	Acetone	sam	11/21/2025 11:19:42 AM	MMDadoda	11/21/2025 12:22:18 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VL112025	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3655-01DUP	VL043267.D	Benzene	sam	11/21/2025 11:19:42 AM	MMDadoda	11/21/2025 12:22:18 PM	Peak Integrated by Software
Q3655-01DUP	VL043267.D	Carbon Tetrachloride	sam	11/21/2025 11:19:42 AM	MMDadoda	11/21/2025 12:22:18 PM	Peak Integrated by Software
Q3655-01DUP	VL043267.D	Chlorodifluoromethane	sam	11/21/2025 11:19:42 AM	MMDadoda	11/21/2025 12:22:18 PM	Peak Integrated by Software
Q3655-01DUP	VL043267.D	m/p-Xylene	sam	11/21/2025 11:19:42 AM	MMDadoda	11/21/2025 12:22:18 PM	Peak Integrated by Software
Q3655-01DUP	VL043267.D	Toluene	sam	11/21/2025 11:19:42 AM	MMDadoda	11/21/2025 12:22:18 PM	Peak Integrated by Software
Q3655-01DUP	VL043267.D	Trichloroethene	sam	11/21/2025 11:19:42 AM	MMDadoda	11/21/2025 12:22:18 PM	Peak Integrated by Software
Q3655-02DL	VL043268.D	Trichloroethene	sam	11/21/2025 11:18:30 AM	MMDadoda	11/21/2025 12:22:21 PM	Peak Integrated by Software
Q3655-03DL	VL043269.D	Acetone	sam	11/21/2025 11:20:07 AM	MMDadoda	11/21/2025 12:22:25 PM	Peak Integrated by Software
Q3655-03DL	VL043269.D	Ethanol	sam	11/21/2025 11:20:07 AM	MMDadoda	11/21/2025 12:22:25 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 9:44:32 AM				
SubDirectory	VL111825	HP Acquire Method	TO15AIR		HP Processing Method	VL111825AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043202.D	18 Nov 2025 08:46	SY/MD	Ok
2	VSTDICC0.5	VL043203.D	18 Nov 2025 09:29	SY/MD	Ok,M
3	VSTDICCC010	VL043204.D	18 Nov 2025 10:02	SY/MD	Ok,M
4	VSTDICC002	VL043205.D	18 Nov 2025 10:37	SY/MD	Ok,M
5	VSTDICC001	VL043206.D	18 Nov 2025 11:10	SY/MD	Ok,M
6	VSTDICC0.5	VL043207.D	18 Nov 2025 11:43	SY/MD	Not Ok
7	VSTDICC0.1	VL043208.D	18 Nov 2025 12:16	SY/MD	Ok,M
8	VSTDICC0.03	VL043209.D	18 Nov 2025 12:49	SY/MD	Ok,M
9	VSTDICC015	VL043210.D	18 Nov 2025 13:24	SY/MD	Ok,M
10	VSTDICV010	VL043211.D	18 Nov 2025 13:56	SY/MD	Ok,M
11	VL1118ABL01	VL043212.D	18 Nov 2025 14:41	SY/MD	Ok
12	VL1118ABS01	VL043213.D	18 Nov 2025 15:24	SY/MD	Ok,M
13	Q3651-03	VL043214.D	18 Nov 2025 15:57	SY/MD	Dilution
14	Q3651-03DUP	VL043215.D	18 Nov 2025 16:31	SY/MD	Ok,M
15	Q3651-04	VL043216.D	18 Nov 2025 17:06	SY/MD	Dilution
16	Q3651-06	VL043217.D	18 Nov 2025 17:40	SY/MD	Dilution
17	Q3650-03	VL043218.D	18 Nov 2025 18:15	SY/MD	Ok,M
18	Q3650-04	VL043219.D	18 Nov 2025 18:49	SY/MD	Ok,M
19	Q3650-05	VL043220.D	18 Nov 2025 19:23	SY/MD	Ok,M
20	Q3650-06	VL043221.D	18 Nov 2025 19:58	SY/MD	Ok,M
21	Q3651-01	VL043222.D	18 Nov 2025 20:29	SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 9:44:32 AM				
SubDirectory	VL111825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3651-02	VL043223.D	18 Nov 2025 21:01	SY/MD	Ok,M
23	Q3651-05	VL043224.D	18 Nov 2025 21:33	SY/MD	Ok,M
24	Q3650-01	VL043225.D	18 Nov 2025 22:05	SY/MD	Ok,M
25	Q3650-02	VL043226.D	18 Nov 2025 22:37	SY/MD	Ok,M
26	Q3651-03DL	VL043227.D	18 Nov 2025 23:09	SY/MD	Ok,M
27	Q3651-03DL	VL043228.D	18 Nov 2025 23:41	SY/MD	Not Ok
28	Q3651-04DL	VL043229.D	19 Nov 2025 00:13	SY/MD	Ok,M
29	Q3651-06DL	VL043230.D	19 Nov 2025 00:44	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL112025

Review By	Amit Patel	Review On	11/21/2025 11:53:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/21/2025 12:23:05 PM				
SubDirectory	VL112025	HP Acquire Method	TO15AIR		HP Processing Method	VL111825AIR.M	

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL043256.D	20 Nov 2025 08:41	SY/MD	Ok
2	VSTDCCC010	VL043257.D	20 Nov 2025 10:14	SY/MD	Ok,M
3	VL1120ABL01	VL043258.D	20 Nov 2025 11:01	SY/MD	Ok
4	QC111725 CAN 10588	VL043259.D	20 Nov 2025 11:34	SY/MD	Ok
5	VL1120ABS01	VL043260.D	20 Nov 2025 12:07	SY/MD	Ok,M
6	Q3655-01	VL043261.D	20 Nov 2025 12:49	SY/MD	Ok,M
7	Q3655-02	VL043262.D	20 Nov 2025 13:24	SY/MD	Dilution
8	Q3655-03	VL043263.D	20 Nov 2025 13:58	SY/MD	Dilution
9	Q3655-04	VL043264.D	20 Nov 2025 14:32	SY/MD	Ok,M
10	Q3655-05	VL043265.D	20 Nov 2025 15:06	SY/MD	Ok,M
11	Q3655-06	VL043266.D	20 Nov 2025 15:40	SY/MD	Ok,M
12	Q3655-01DUP	VL043267.D	20 Nov 2025 16:20	SY/MD	Ok,M
13	Q3655-02DL	VL043268.D	20 Nov 2025 16:54	SY/MD	Ok,M
14	Q3655-03DL	VL043269.D	20 Nov 2025 17:27	SY/MD	Ok,M
15	Q3698-03	VL043270.D	20 Nov 2025 18:02	SY/MD	Dilution
16	Q3698-04	VL043271.D	20 Nov 2025 18:38	SY/MD	Ok,M
17	Q3698-01	VL043272.D	20 Nov 2025 19:11	SY/MD	Ok,M
18	Q3698-02	VL043273.D	20 Nov 2025 19:44	SY/MD	Ok,M
19	Q3698-03DL	VL043274.D	20 Nov 2025 20:43	SY/MD	Ok,M
20	Q3626-09DL	VL043275.D	21 Nov 2025 07:53	SY/MD	Ok,M
21	Q3698-04DUP	VL043276.D	21 Nov 2025 08:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 9:44:32 AM		
SubDirectory	VL111825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043202.D	18 Nov 2025 08:46		SY/MD	Ok
2	VSTDICC0.5	VSTDICC0.5	VL043203.D	18 Nov 2025 09:29		SY/MD	Ok,M
3	VSTDICCC010	VSTDICCC010	VL043204.D	18 Nov 2025 10:02	LR-20	SY/MD	Ok,M
4	VSTDICC002	VSTDICC002	VL043205.D	18 Nov 2025 10:37		SY/MD	Ok,M
5	VSTDICC001	VSTDICC001	VL043206.D	18 Nov 2025 11:10		SY/MD	Ok,M
6	VSTDICC0.5	VSTDICC0.5	VL043207.D	18 Nov 2025 11:43	Not used	SY/MD	Not Ok
7	VSTDICC0.1	VSTDICC0.1	VL043208.D	18 Nov 2025 12:16		SY/MD	Ok,M
8	VSTDICC0.03	VSTDICC0.03	VL043209.D	18 Nov 2025 12:49		SY/MD	Ok,M
9	VSTDICC015	VSTDICC015	VL043210.D	18 Nov 2025 13:24		SY/MD	Ok,M
10	VSTDICV010	ICVVL111825	VL043211.D	18 Nov 2025 13:56	ICV failed for com.#66	SY/MD	Ok,M
11	VL1118ABL01	VL1118ABL01	VL043212.D	18 Nov 2025 14:41		SY/MD	Ok
12	VL1118ABS01	VL1118ABS01	VL043213.D	18 Nov 2025 15:24		SY/MD	Ok,M
13	Q3651-03	IA1	VL043214.D	18 Nov 2025 15:57	Need 20X	SY/MD	Dilution
14	Q3651-03DUP	IA1DUP	VL043215.D	18 Nov 2025 16:31		SY/MD	Ok,M
15	Q3651-04	IA2	VL043216.D	18 Nov 2025 17:06	Need 10X	SY/MD	Dilution
16	Q3651-06	IA3	VL043217.D	18 Nov 2025 17:40	Need 10X	SY/MD	Dilution
17	Q3650-03	IA1	VL043218.D	18 Nov 2025 18:15		SY/MD	Ok,M
18	Q3650-04	IA2	VL043219.D	18 Nov 2025 18:49		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL111825

Review By	Semsettin Yesilyurt	Review On	11/19/2025 8:33:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/19/2025 9:44:32 AM		
SubDirectory	VL111825	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3650-05	IA3	VL043220.D	18 Nov 2025 19:23		SY/MD	Ok,M
20	Q3650-06	OA1	VL043221.D	18 Nov 2025 19:58		SY/MD	Ok,M
21	Q3651-01	SV1	VL043222.D	18 Nov 2025 20:29		SY/MD	Ok,M
22	Q3651-02	SV2	VL043223.D	18 Nov 2025 21:01		SY/MD	Ok,M
23	Q3651-05	SV3	VL043224.D	18 Nov 2025 21:33		SY/MD	Ok,M
24	Q3650-01	SV1	VL043225.D	18 Nov 2025 22:05		SY/MD	Ok,M
25	Q3650-02	SV2	VL043226.D	18 Nov 2025 22:37		SY/MD	Ok,M
26	Q3651-03DL	IA1DL	VL043227.D	18 Nov 2025 23:09		SY/MD	Ok,M
27	Q3651-03DL	IA1DL	VL043228.D	18 Nov 2025 23:41	Not Required	SY/MD	Not Ok
28	Q3651-04DL	IA2DL	VL043229.D	19 Nov 2025 00:13		SY/MD	Ok,M
29	Q3651-06DL	IA3DL	VL043230.D	19 Nov 2025 00:44		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL112025

Review By	Amit Patel	Review On	11/21/2025 11:53:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2025 12:23:05 PM		
SubDirectory	VL112025	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL043256.D	20 Nov 2025 08:41		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL043257.D	20 Nov 2025 10:14		SY/MD	Ok,M
3	VL1120ABL01	VL1120ABL01	VL043258.D	20 Nov 2025 11:01		SY/MD	Ok
4	QC111725 CAN 10588	QC111725 CAN 10588	VL043259.D	20 Nov 2025 11:34		SY/MD	Ok
5	VL1120ABS01	VL1120ABS01	VL043260.D	20 Nov 2025 12:07		SY/MD	Ok,M
6	Q3655-01	SG-1	VL043261.D	20 Nov 2025 12:49		SY/MD	Ok,M
7	Q3655-02	SG-2	VL043262.D	20 Nov 2025 13:24	Need 10X	SY/MD	Dilution
8	Q3655-03	SG-3	VL043263.D	20 Nov 2025 13:58	Need 10X	SY/MD	Dilution
9	Q3655-04	SG-4	VL043264.D	20 Nov 2025 14:32		SY/MD	Ok,M
10	Q3655-05	SG-5	VL043265.D	20 Nov 2025 15:06		SY/MD	Ok,M
11	Q3655-06	SG-6	VL043266.D	20 Nov 2025 15:40		SY/MD	Ok,M
12	Q3655-01DUP	SG-1DUP	VL043267.D	20 Nov 2025 16:20		SY/MD	Ok,M
13	Q3655-02DL	SG-2DL	VL043268.D	20 Nov 2025 16:54		SY/MD	Ok,M
14	Q3655-03DL	SG-3DL	VL043269.D	20 Nov 2025 17:27		SY/MD	Ok,M
15	Q3698-03	IA1	VL043270.D	20 Nov 2025 18:02	Need 5X	SY/MD	Dilution
16	Q3698-04	OA1	VL043271.D	20 Nov 2025 18:38		SY/MD	Ok,M
17	Q3698-01	SV1	VL043272.D	20 Nov 2025 19:11		SY/MD	Ok,M
18	Q3698-02	SV2	VL043273.D	20 Nov 2025 19:44		SY/MD	Ok,M

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Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL112025

Review By	Amit Patel	Review On	11/21/2025 11:53:43 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2025 12:23:05 PM		
SubDirectory	VL112025	HP Acquire Method	TO15AIR	HP Processing Method	VL111825AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2691
Initial Calibration Stds	AP2694,AP2695,AP2696
CCC	AP2694
Internal Standard/PEM	AP2691
ICV/I.BLK	AP2697
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3698-03DL	IA1DL	VL043274.D	20 Nov 2025 20:43		SY/MD	Ok,M
20	Q3626-09DL	13-SG-1DL	VL043275.D	21 Nov 2025 07:53		SY/MD	Ok,M
21	Q3698-04DUP	OA1DUP	VL043276.D	21 Nov 2025 08:28		SY/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q3655

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: VL112025,

Standard ID :
AP2691,AP2694,AP2695,AP2696,AP2697,

Chemical ID :
A1117,A1141,A1142,A1143,

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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	AP2691	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/25/2025

FROM 2.40000psi of A1141 + 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	AP2694	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/25/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1142 = 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
2397	TO-15 -2 PPBV CAL.MIX	AP2695	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/25/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2694 = Final Quantity: 30.000 psi

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2668	0.5 PPBV CAL.MIX	AP2696	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/25/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2694 = 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	AP2697	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 11/25/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1143 = Final Quantity: 30.000 psi

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
AIR LIQUIDE	365A-49 / AIR, Compressed	90402401186-01	04/01/2026	04/01/2022 / apatel	04/01/2022 / SAM	A1117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TB500009-110 / TO-15 Internal Standard/Surrogate Standard	BC884004	10/01/2026	10/14/2025 / sam	10/13/2025 / sam	A1141

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)	051925-001A	10/01/2026	10/13/2025 / sam	10/13/2025 / sam	A1142

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)	051925-001B	10/01/2026	10/13/2025 / sam	10/13/2025 / sam	A1143

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A1141

Certificate of Analysis

Customer:

Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Tel: (908) 789-8900

Cylinder Number: BC884004
Cylinder Size/CGA: 170/180SS
Fill Pressure: 1815 PSIA
Gas Volume: ~170 liters
Date of Mfg: 10/01/2025
Expiration Date: 10/01/2026

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	051925-001RRR	Email051925	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.019 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.013 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorbenzene	1 ppm	0.981 ppm +/- 0.02 ppm	
Nitrogen	balance	balance	

NOTES:

Blend Tolerance: +/- 10 %

Analytical Tolerance: +/- 5 %

Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis

Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.

Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature:

Signature:

Date: 10/01/2025

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A1142
Rec 10/13/25

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC993219
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 10/01/2025
Expiration Date: 10/01/2026
Lot Number: 051925-001A

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	051925-001	Email051925	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	508 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	515 ppb +/- 50 ppb	
Acrolein	500 ppb	514 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	519 ppb +/- 50 ppb	
Allyl chloride	500 ppb	499 ppb +/- 50 ppb	
Benzene	500 ppb	475 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	480 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	500 ppb +/- 50 ppb	
Bromoform	500 ppb	486 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	495 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	512 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	510 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	510 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	476 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	497 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	483 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	488 ppb +/- 50 ppb	
Chloroform	500 ppb	483 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	512 ppb +/- 50 ppb	
Cyclohexane	500 ppb	474 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	482 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	500 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	480 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	481 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	499 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	483 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	488 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	484 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	480 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	479 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	481 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	507 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	457 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	496 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	475 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	477 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	513 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	488 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	497 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	477 ppb +/- 50 ppb	
n-Heptane	500 ppb	478 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	480 ppb +/- 50 ppb	
2-Hexanone	500 ppb	482 ppb +/- 50 ppb	
n-Hexane	500 ppb	476 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	502 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	507 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	515 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	496 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	499 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	487 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	484 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	512 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	474 ppb +/- 50 ppb	
Methylene chloride	500 ppb	489 ppb +/- 50 ppb	
Naphthalene	500 ppb	506 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	510 ppb +/- 50 ppb	
Propylene	500 ppb	499 ppb +/- 50 ppb	
Styrene	500 ppb	477 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	515 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	475 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	478 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	504 ppb +/- 50 ppb	
Toluene	500 ppb	482 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	485 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	485 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	485 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	479 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	499 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	486 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	485 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	489 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	480 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	490 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	496 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	507 ppb +/- 50 ppb	
m-Xylene	500 ppb	484 ppb +/- 50 ppb	
o-Xylene	500 ppb	471 ppb +/- 50 ppb	
p-Xylene	500 ppb	477 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:**	+/- 10 %
	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: 10/01/2025

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS
SOLUTIONS

1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

A 1143
Rec 10/13/25

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountianside, NJ 07092

Cylinder Number: BC785565
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 10/01/2025
Expiration Date: 10/01/2026
Lot Number: 051925-001B

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	051925-001	Email051925	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	525 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	525 ppb +/- 50 ppb	
Acrolein	500 ppb	534 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	530 ppb +/- 50 ppb	
Allyl chloride	500 ppb	517 ppb +/- 50 ppb	
Benzene	500 ppb	492 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	497 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	518 ppb +/- 50 ppb	
Bromoform	500 ppb	503 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	512 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	523 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	510 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	520 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	520 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	493 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	515 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	500 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	496 ppb +/- 50 ppb	
Chloroform	500 ppb	500 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	523 ppb +/- 50 ppb	
Cyclohexane	500 ppb	491 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	499 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	518 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	497 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	498 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	516 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	500 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	505 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	501 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	497 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	496 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	498 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	525 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	473 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	513 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	492 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	494 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	523 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	505 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	515 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	494 ppb +/- 50 ppb	
n-Heptane	500 ppb	495 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	497 ppb +/- 50 ppb	
2-Hexanone	500 ppb	499 ppb +/- 50 ppb	
n-Hexane	500 ppb	493 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	520 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	518 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	524 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	514 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	517 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	504 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	501 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	523 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	491 ppb +/- 50 ppb	
Methylene chloride	500 ppb	506 ppb +/- 50 ppb	
Naphthalene	500 ppb	517 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	519 ppb +/- 50 ppb	
Propylene	500 ppb	516 ppb +/- 50 ppb	
Styrene	500 ppb	494 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	525 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	492 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	495 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	510 ppb +/- 50 ppb	
Toluene	500 ppb	499 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	502 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	502 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	503 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	496 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	517 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	503 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	502 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	506 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	497 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	507 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	514 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	515 ppb +/- 50 ppb	
m-Xylene	500 ppb	501 ppb +/- 50 ppb	
o-Xylene	500 ppb	488 ppb +/- 50 ppb	
p-Xylene	500 ppb	494 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:**	+/- 10 %
	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: 10/01/2025



*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

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

Process Report

Order ID : Q3655

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
11/17/2025	B2510053	Q3655-03	-9.6	10800	1.4 L	10480		C2504012	**VL042493.D** Seq :vl050625 TUNE : VL042486.D ICAL : VL042466.D CCAL : VL042487.D MB : VL042488.D
11/17/2025	B2510053	Q3655-02	-11.2	10795	1.4 L	10254		C2504011	**VL042492.D** Seq :vl050625 TUNE : VL042486.D ICAL : VL042466.D CCAL : VL042487.D MB : VL042488.D
11/17/2025	B2510053	Q3655-06	-10.0	10679	1.4 L	10221		C2504011	**VL042492.D** Seq :vl050625 TUNE : VL042486.D ICAL : VL042466.D CCAL : VL042487.D MB : VL042488.D
11/17/2025	B2510053	Q3655-01	-10.0	10669	1.4 L	10184		C2504011	**VL042492.D** Seq :vl050625 TUNE : VL042486.D ICAL : VL042466.D CCAL : VL042487.D MB : VL042488.D
11/17/2025	B2510053	Q3655-04	-10.8	10656	1.4 L	10646		C2504012	**VL042493.D** Seq :vl050625 TUNE : VL042486.D ICAL : VL042466.D CCAL : VL042487.D MB : VL042488.D
11/17/2025	B2510053	Q3655-05	-10.4	10120	1.4 L	10703		C2504012	**VL042493.D** Seq :vl050625 TUNE : VL042486.D ICAL : VL042466.D CCAL : VL042487.D MB : VL042488.D

Canister Cleaning

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

Canister Batch : C2504012

Type of Canister : 1.4 L

Cleaning Date : 04/23/2025

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
10120	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3655-05	10683	VL042493.D
10800	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3655-03	10683	VL042493.D
10431	-30	04/23/2025	05/06/2025	-30	04/24/2025		10683	VL042493.D
10792	-30	04/23/2025	05/06/2025	-30	04/24/2025		10683	VL042493.D
10716	-30	04/23/2025	05/06/2025	-30	04/24/2025		10683	VL042493.D
10757	-30	04/23/2025	05/06/2025	-30	04/24/2025		10683	VL042493.D
10656	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3655-04	10683	VL042493.D
10683	-30	04/23/2025	05/06/2025	-30	04/24/2025		10683	VL042493.D

Canister Cleaning

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

Canister Batch : C2504011

Type of Canister : 1.4 L

Cleaning Date : 04/22/2025

Analyst : SAM

Oven Temperature : 125.0 c

Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10682	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-01	10669	VL042492.D
10793	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3627-05	10669	VL042492.D
10795	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3655-02	10669	VL042492.D
10794	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-12	10669	VL042492.D
10763	-30	04/23/2025	05/06/2025	-30	04/24/2025		10669	VL042492.D
10677	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-04	10669	VL042492.D
10669	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3655-01	10669	VL042492.D
10673	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-09	10669	VL042492.D
10046	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-08	10669	VL042492.D
10450	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-03	10669	VL042492.D
10416	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-10	10669	VL042492.D
10118	-30	04/23/2025	05/06/2025	-30	04/24/2025		10669	VL042492.D
10679	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3655-06	10669	VL042492.D
10471	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-07	10669	VL042492.D
10123	-30	04/23/2025	05/06/2025	-30	04/24/2025		10669	VL042492.D
10454	-30	04/23/2025	05/06/2025	-30	04/24/2025		10669	VL042492.D
10455	-30	04/23/2025	05/06/2025	-30	04/24/2025		10669	VL042492.D
10413	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3626-02	10669	VL042492.D
10652	-30	04/23/2025	05/06/2025	-30	04/24/2025		10669	VL042492.D
10452	-30	04/23/2025	05/06/2025	-30	04/24/2025		10669	VL042492.D
10650	-30	04/23/2025	05/06/2025	-30	04/24/2025	Q3627-04	10669	VL042492.D

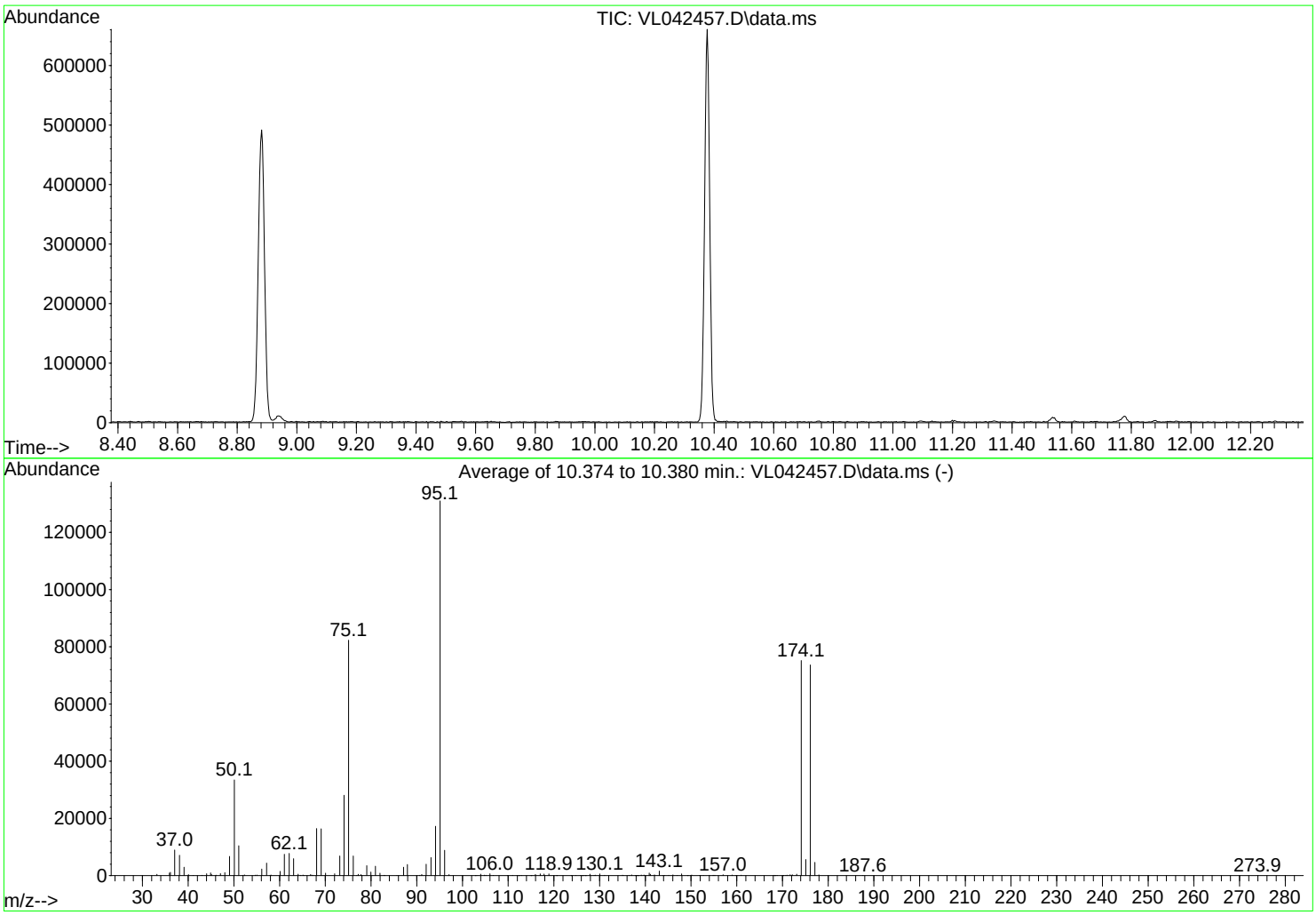
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042457.D
Acq On : 01 May 2025 08:19
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 02 03:16:31 2025



AutoFind: Scans 3178, 3179, 3180; Background Corrected with Scan 3165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.5	33424	PASS
75	95	30	66	62.8	82325	PASS
95	95	100	100	100.0	131013	PASS
96	95	5	9	6.8	8845	PASS
173	174	0.00	2	0.6	483	PASS
174	95	50	120	57.4	75195	PASS
175	174	4	9	7.5	5628	PASS
176	174	93	101	97.9	73643	PASS
177	176	5	9	6.3	4652	PASS

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL050125AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 02 03:16:31 2025
Response Via : Initial Calibration

Calibration Files
0.03=VL042466.D 0.1 =VL042462.D 0.5 =VL042461.D 1 =VL042460.D 2 =VL042459.D 10 =VL042458.D 15 =VL042465.D

		Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------								
2)	T	Dichlorodifluo...			1.887	1.650	1.629	1.470	1.639	1.655	9.01
3)		Chlorodifluoro...			1.886	1.871	1.820	1.569	1.602	1.750	8.71
4)		Chloromethane			0.738	0.696	0.734	0.624	0.666	0.692	6.90
5)	T	Vinyl Chloride		0.756	0.964	0.708	0.625	0.623	0.567	0.631	0.696	19.18
6)	T	Bromomethane			0.349	0.359	0.327	0.286	0.324	0.329	8.64
7)		Chloroethane			0.250	0.272	0.271	0.231	0.261	0.257	6.55
8)	T	Dichlorotetraf...			1.445	1.371	1.402	1.235	1.368	1.364	5.77
9)	T	Propene			0.585	0.606	0.631	0.525	0.515	0.572	8.84
10)	T	Heptane			1.276	1.634	1.593	1.445	1.474	1.484	9.48
11)	T	Trichlorofluor...			1.660	1.489	1.528	1.376	1.582	1.527	6.96
12)	T	1,1,2-Trichlor...			1.318	1.234	1.245	1.099	1.201	1.219	6.52
13)		Ethanol			0.138	0.136	0.143	0.080	0.084	0.116	27.19
14)	T	Bromoethene			0.488	0.443	0.457	0.398	0.466	0.450	7.39
15)	T	Acetone			2.229	2.094	2.022	1.318	1.465	1.826	22.28
16)	T	1,3-Butadiene			0.883	0.874	0.836	0.681	0.751	0.805	10.77
17)		tert-Butyl alc...			1.816	1.615	1.620	1.489	1.502	1.608	8.15
18)	T	1,1-Dichloroet...			0.650	0.587	0.567	0.495	0.547	0.569	9.98
19)	T	Isopropyl Alcohol			1.221	1.087	0.976	0.876	0.891	1.010	14.33
20)	T	Methylene Chlo...			0.753	0.547	0.518	0.449	0.477	0.549	21.88
21)	T	Allyl Chloride			1.283	1.181	1.164	1.076	1.166	1.174	6.25
22)	T	trans-1,2-Dich...			0.741	0.742	0.645	0.552	0.644	0.665	11.96
23)	T	Vinyl Acetate			1.898	1.521	1.810	1.726	1.756	1.742	8.03
24)	T	1,1-Dichloroet...			1.432	1.465	1.368	1.196	1.322	1.357	7.79
25)	T	Ethyl Acetate			3.002	3.044	2.945	2.832	2.792	2.923	3.69
26)	T	Hexane			1.278	1.290	1.345	1.215	1.239	1.273	3.91
27)	T	Carbon Disulfide			1.509	1.446	1.499	1.418	1.558	1.486	3.69
28)	T	Methyl tert-Bu...			0.802	0.853	0.759	0.671	0.740	0.765	8.91
29)	T	Chloroform			2.551	2.482	2.399	2.198	2.301	2.386	5.89
30)	T	Cyclohexane			1.135	0.998	1.096	1.045	1.048	1.065	4.92
31)	T	cis-1,2-Dichlo...			1.551	1.604	1.545	1.342	1.386	1.486	7.71
32)	T	1,1,1-Trichlor...	2.980	2.842	2.567	2.501	2.511	2.288	2.433	2.589	9.28
33)	I	1,4-Difluorobenzene	----------ISTD----------								
34)	T	2-Butanone			0.802	0.732	0.774	0.659	0.650	0.723	9.32
35)	T	Carbon Tetrach...	1.166	0.799	0.856	0.935	0.875	0.827	0.902	0.908	13.44
36)	T	Benzene			0.924	0.974	1.036	0.892	0.892	0.944	6.53
37)	T	1,2-Dichloroet...			0.738	0.755	0.769	0.666	0.709	0.727	5.66
38)	T	Trichloroethene	0.241	0.419	0.389	0.364	0.404	0.347	0.355	0.360	16.31
39)	T	1,2-Dichloropr...			0.368	0.405	0.362	0.317	0.315	0.353	10.71

Response Factor Report MSVOA_L

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\
Method File : VL050125AIR.M

40)	T	1,4-Dioxane			0.176	0.185	0.172	0.151	0.144	0.165	10.60
41)	T	Tetrahydrofuran			0.329	0.354	0.387	0.326	0.322	0.344	7.98
42)	T	Bromodichlorom...			0.848	0.921	0.931	0.839	0.904	0.889	4.77
43)		Methyl Methacr...			0.328	0.341	0.362	0.363	0.366	0.352	4.72
44)	T	2,2,4-Trimethy...			1.490	1.590	1.633	1.437	1.498	1.530	5.23
45)	T	t-1,3-Dichloro...			0.438	0.423	0.460	0.480	0.510	0.462	7.46
46)	T	cis-1,3-Dichlo...			0.526	0.539	0.549	0.555	0.577	0.549	3.47
47)	T	1,1,2-Trichlor...			0.372	0.409	0.428	0.357	0.371	0.387	7.74
48)	T	Dibromochlorom...			0.651	0.643	0.673	0.630	0.674	0.654	2.96
49)	T	Bromoform			0.540	0.535	0.573	0.527	0.568	0.549	3.73
50)	T	4-Methyl-2-Pen...			0.852	0.980	0.985	0.870	0.887	0.915	6.92
51)	T	2-Hexanone			0.649	0.754	0.797	0.722	0.736	0.731	7.42
52)	T	Tetrachloroethene	0.509	0.380	0.325	0.339	0.338	0.305	0.318	0.359	19.49
53)	T	Toluene			0.935	0.969	1.025	1.016	1.050	0.999	4.64
54)	T	1,2-Dibromoethane		0.625	0.589	0.599	0.610	0.554	0.577	0.592	4.26
55)	I	Chlorobenzene-d5	----------ISTD----------								
56)		1,1,1,2-Tetrac...			0.618	0.633	0.596	0.542	0.564	0.591	6.38
57)	T	Chlorobenzene			1.101	1.060	1.036	0.904	0.923	1.005	8.64
58)	T	Ethyl Benzene			1.492	1.634	1.752	1.725	1.754	1.671	6.68
59)	T	m/p-Xylene			1.212	1.378	1.506	1.429	1.479	1.401	8.31
60)	T	o-Xylene			1.197	1.393	1.519	1.423	1.481	1.403	8.90
61)	T	Styrene			0.415	0.500	0.538	0.583	0.582	0.523	13.35
62)		Isopropylbenzene			1.781	2.030	2.165	2.033	2.108	2.023	7.26
63)	T	1,1,2,2-Tetrac...	1.140	0.945	0.976	0.985	0.990	0.846	0.887	0.967	9.69
64)		n-propylbenzene			0.400	0.524	0.549	0.482	0.518	0.495	11.75
65)		tert-Butylbenzene			1.519	1.791	2.028	1.817	1.873	1.806	10.23
66)	T	Benzyl Chloride			0.158	0.204	0.195	0.232	0.255	0.209	17.73
67)		sec-Butylbenzene			2.149	2.560	2.905	2.541	2.675	2.566	10.69
68)	S	1-Bromo-4-Fluo...	0.920	0.911	0.902	0.928	0.915	0.951	0.963	0.927	2.39
69)		p-Isopropyltol...			1.805	2.166	2.406	2.150	2.283	2.162	10.39
70)		n-Butylbenzene			1.802	2.218	2.560	2.198	2.396	2.235	12.66
71)		2-Chlorotoluene			1.405	1.569	1.697	1.597	1.667	1.587	7.20
72)	T	4-Ethyltoluene			1.281	1.647	1.828	1.722	1.792	1.654	13.28
73)	T	1,3,5-Trimethy...			1.177	1.467	1.618	1.475	1.535	1.455	11.44
74)	T	1,2,4-Trimethy...			1.568	1.788	2.075	1.646	1.723	1.760	11.07
75)	T	1,3-Dichlorobe...			0.975	1.022	1.056	0.893	0.952	0.980	6.42
76)	T	1,4-Dichlorobe...			0.869	0.945	0.966	0.907	0.949	0.927	4.22
77)	T	1,2-Dichlorobe...			0.977	1.007	1.033	0.864	0.914	0.959	7.23
78)	T	Hexachloro-1,3...			1.028	1.081	1.070	0.772	0.838	0.958	14.93
79)	T	Naphthalene		0.720	1.168	1.657	2.155	1.527	1.661	1.482	33.01
80)	T	Naphthalene,2-...			0.498	0.925	1.573	1.172	1.338	1.101	37.38
81)	T	1,2,4-Trichlor...			0.599	0.798	0.947	0.778	0.828	0.790	15.84

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042458.D
Acq On : 01 May 2025 09:03
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:39:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	71402	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	201290	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	174168	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	165650	10.258	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	104948	8.882	ppbv	100
3) Chlorodifluoromethane	1.476	51	112008	8.966	ppbv	100
4) Chloromethane	1.531	50	44585	9.028	ppbv	100
5) Vinyl Chloride	1.580	62	40466	8.138	ppbv	100
6) Bromomethane	1.667	94	20392	8.680	ppbv	100
7) Chloroethane	1.703	64	16528	9.002	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	88162	9.051	ppbv	100
9) Propene	1.483	41	37491	9.175	ppbv	100
10) Heptane	4.978	43	103167	9.733	ppbv	100
11) Trichlorofluoromethane	1.874	101	98215	9.320	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.136	101	78482	9.015	ppbv	100
13) Ethanol	1.719	45	5679	6.849	ppbv	100
14) Bromoethene	1.780	108	28440	8.849	ppbv	100
15) Acetone	1.835	43	94092	7.219	ppbv	100
16) 1,3-Butadiene	1.609	39	48641	8.461	ppbv	100
17) tert-Butyl alcohol	2.039	59	106304	9.257	ppbv	100
18) 1,1-Dichloroethene	2.033	96	35320	8.689	ppbv	100
19) Isopropyl Alcohol	1.884	45	62533	8.668	ppbv	100
20) Methylene Chloride	2.059	84	32039	8.176	ppbv	100
21) Allyl Chloride	2.094	41	76859	9.169	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	39427	8.305	ppbv	100
23) Vinyl Acetate	2.460	43	123215	10.146	ppbv	100
24) 1,1-Dichloroethane	2.408	63	85367	8.814	ppbv	100
25) Ethyl Acetate	2.835	43	202215	9.689	ppbv	100
26) Hexane	2.826	57	86764	9.543	ppbv	100
27) Carbon Disulfide	2.146	76	101248	9.542	ppbv #	92
28) Methyl tert-Butyl Ether	2.437	73	47941	8.777	ppbv	100
29) Chloroform	2.848	83	156976	9.213	ppbv	100
30) Cyclohexane	3.855	84	74614	9.815	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	95797	9.031	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	163334	8.836	ppbv	100
34) 2-Butanone	2.557	43	132685	9.113	ppbv	100
35) Carbon Tetrachloride	3.758	117	166490	9.511	ppbv	100
36) Benzene	3.654	78	179532	9.451	ppbv	100
37) 1,2-Dichloroethane	3.217	62	133963	9.150	ppbv	100
38) Trichloroethene	4.544	130	69846	9.642	ppbv	100
39) 1,2-Dichloropropane	4.311	63	63894	8.979	ppbv	100
40) 1,4-Dioxane	4.583	88	30303m	9.161	ppbv	
41) Tetrahydrofuran	3.052	42	65713	9.516	ppbv	100
42) Bromodichloromethane	4.486	83	168957	9.445	ppbv	100
43) Methyl Methacrylate	4.881	69	73117	10.339	ppbv	100
44) 2,2,4-Trimethylpentane	4.635	57	289161	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	96692	10.385	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042458.D
Acq On : 01 May 2025 09:03
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:39:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	111768	10.111	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	71805	9.207	ppbv	100
48) Dibromochloromethane	7.386	129	126754	9.628	ppbv	100
49) Bromoform	9.480	173	106108	9.610	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	175193	9.518	ppbv	100
51) 2-Hexanone	7.435	43	145272	9.855	ppbv	100
52) Tetrachloroethene	8.224	164	61456	8.500	ppbv	100
53) Toluene	6.930	91	204494	10.171	ppbv	100
54) 1,2-Dibromoethane	7.648	107	111506	9.300	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	94346	9.172	ppbv	99
57) Chlorobenzene	8.920	112	157401	8.994	ppbv	100
58) Ethyl Benzene	9.354	91	300412	10.321	ppbv	100
59) m/p-Xylene	9.529	91	497922m	20.404	ppbv	
60) o-Xylene	9.963	91	247784	10.157	ppbv	100
61) Styrene	9.872	104	101509	11.134	ppbv	100
62) Isopropylbenzene	10.539	105	354055	10.047	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	147295	9.305	ppbv	100
64) n-propylbenzene	10.989	120	84006	9.787	ppbv	100
65) tert-Butylbenzene	11.529	119	316532	10.065	ppbv	100
66) Benzyl Chloride	11.613	91	40331	11.096	ppbv	100
67) sec-Butylbenzene	11.769	105	442600	9.903	ppbv	100
69) p-Isopropyltoluene	11.924	119	374540	9.947	ppbv	100
70) n-Butylbenzene	12.280	91	382883	9.836	ppbv	100
71) 2-Chlorotoluene	10.898	91	278215	10.065	ppbv	100
72) 4-Ethyltoluene	11.124	105	299831	10.409	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	256952	10.143	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	286615	9.351	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	155598	9.118	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	157966	9.782	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	150432	9.007	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	134402	8.058	ppbv	100
79) Naphthalene	13.513	128	266036	10.352	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	204042	10.641	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	135473	9.844	ppbv	100

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

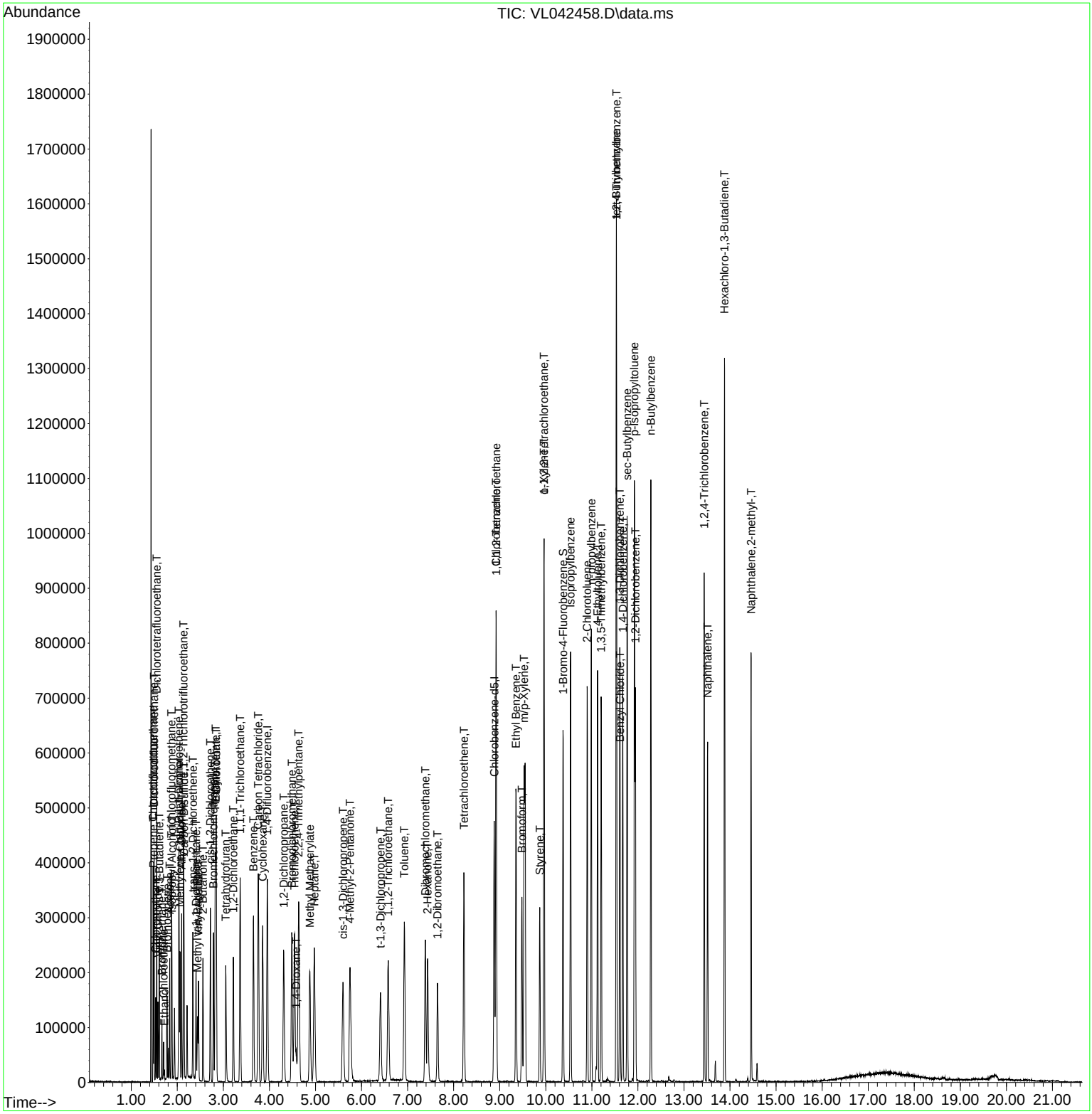
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042458.D
Acq On : 01 May 2025 09:03
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:39:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025


Abundance
TIC: VL042458.D\data.ms
Time-->
1900000
1800000
1700000
1600000
1500000
1400000
1300000
1200000
1100000
1000000
900000
800000
700000
600000
500000
400000
300000
200000
100000
0
1.00
2.00
3.00
4.00
5.00
6.00
7.00
8.00
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10.00
11.00
12.00
13.00
14.00
15.00
16.00
17.00
18.00
19.00
20.00
21.00
Hexachloro-1,3-Butadiene,T
1,2,4-Trichlorobenzene,T
Naphthalene,2-methyl-,T
Naphthalene,I
Tetrachloroethene,T
Chlorobenzene-d5,I
Ethyl Benzene,T
m/p-Xylene,T
Bromoform,T
Styrene,T
1-Bromo-4-Fluorobenzene,S
Isopropylbenzene
2-Chlorotoluene
1,3,5-Trimethylbenzene,T
sec-Butylbenzene
p-Isopropyltoluene
n-Butylbenzene
1,2-Dichlorobenzene,T
Benzyl Chloride,T
1,4-Dichlorobenzene,I
Toluene,T
1,1,2-Trichloroethane,T
t-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
cis-1,3-Dichloropropene,T
1,2-Dibromoethane,T
2-Hexanone,T
Chlorodibromomethane,T
Methyl Methacrylate
Heptane,T
1,2-Dichloropropane,T
1,4-Dioxane,T
Benzene,T
Carbon Tetrachloride,T
Cyclohexane,T
1,1-Trichloroethane,T
1,2-Dichloroethane,T
Tetrahydrofuran,T
Bromodichloromethane,T
Methyl tert-butyl ether,T
1,2-Dichloroethene,T
Trichloroethene,T
Ethanol,T
Ethyl Acetate,T
Dichlorodifluoromethane,T
Propene,T
Chloromethane,T
Dichlorotetrafluoroethane,T
Chloroethene,T
Butane

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042459.D
Acq On : 01 May 2025 09:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:40:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	73220	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	201951	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	174624	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	159777	9.869	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.700%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	23859	1.969	ppbv		100
3) Chlorodifluoromethane	1.476	51	26655	2.081	ppbv		95
4) Chloromethane	1.531	50	10751	2.123	ppbv		95
5) Vinyl Chloride	1.580	62	9122	1.789	ppbv		92
6) Bromomethane	1.667	94	4793	1.990	ppbv	#	62
7) Chloroethane	1.703	64	3972	2.110	ppbv		94
8) Dichlorotetrafluoroethane	1.554	85	20529	2.055	ppbv		100
9) Propene	1.482	41	9234	2.204	ppbv		95
10) Heptane	4.978	43	23329m	2.146	ppbv		
11) Trichlorofluoromethane	1.877	101	22375	2.070	ppbv		96
12) 1,1,2-Trichlorotrifluo...	2.140	101	18230	2.042	ppbv		97
13) Ethanol	1.722	45	2099	2.468	ppbv		94
14) Bromoethene	1.780	108	6686	2.029	ppbv	#	96
15) Acetone	1.835	43	29607	2.215	ppbv		99
16) 1,3-Butadiene	1.609	39	12245	2.077	ppbv		92
17) tert-Butyl alcohol	2.042	59	23722	2.014	ppbv	#	93
18) 1,1-Dichloroethene	2.033	96	8303	1.992	ppbv		92
19) Isopropyl Alcohol	1.884	45	14288	1.931	ppbv		99
20) Methylene Chloride	2.062	84	7590	1.889	ppbv		96
21) Allyl Chloride	2.094	41	17050	1.983	ppbv		96
22) trans-1,2-Dichloroethene	2.340	96	9444	1.940	ppbv		97
23) Vinyl Acetate	2.463	43	26502	2.128	ppbv		98
24) 1,1-Dichloroethane	2.408	63	20027	2.016	ppbv		98
25) Ethyl Acetate	2.839	43	43122	2.015	ppbv		97
26) Hexane	2.822	57	19691	2.112	ppbv		95
27) Carbon Disulfide	2.149	76	21945	2.017	ppbv	#	43
28) Methyl tert-Butyl Ether	2.441	73	11119	1.985	ppbv		94
29) Chloroform	2.848	83	35127	2.010	ppbv		86
30) Cyclohexane	3.858	84	16056	2.060	ppbv		95
31) cis-1,2-Dichloroethene	2.719	61	22619	2.079	ppbv		95
32) 1,1,1-Trichloroethane	3.369	97	36768	1.940	ppbv		99
34) 2-Butanone	2.557	43	31242	2.139	ppbv		95
35) Carbon Tetrachloride	3.764	117	35326	2.011	ppbv		97
36) Benzene	3.661	78	41848	2.196	ppbv	#	88
37) 1,2-Dichloroethane	3.217	62	31049	2.114	ppbv		99
38) Trichloroethene	4.544	130	16311m	2.244	ppbv		
39) 1,2-Dichloropropane	4.311	63	14611	2.047	ppbv		91
40) 1,4-Dioxane	4.593	88	6957m	2.096	ppbv		
41) Tetrahydrofuran	3.059	42	15641m	2.258	ppbv		
42) Bromodichloromethane	4.489	83	37615	2.096	ppbv	#	99
43) Methyl Methacrylate	4.884	69	14610m	2.059	ppbv		
44) 2,2,4-Trimethylpentane	4.638	57	65967	2.142	ppbv		99
45) t-1,3-Dichloropropene	6.409	75	18560m	1.987	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042459.D
Acq On : 01 May 2025 09:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:40:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.593	75	22184	2.000	ppbv		93
47)	1,1,2-Trichloroethane	6.587	97	17307m	2.212	ppbv		
48)	Dibromochloromethane	7.386	129	27174	2.057	ppbv		99
49)	Bromoform	9.483	173	23126	2.088	ppbv		98
50)	4-Methyl-2-Pentanone	5.758	43	39798	2.155	ppbv		99
51)	2-Hexanone	7.441	43	32196	2.177	ppbv	#	97
52)	Tetrachloroethene	8.224	164	13670	1.885	ppbv		93
53)	Toluene	6.930	91	41392	2.052	ppbv		97
54)	1,2-Dibromoethane	7.652	107	24650	2.049	ppbv		99
56)	1,1,1,2-Tetrachloroethane	8.927	131	20822	2.019	ppbv		95
57)	Chlorobenzene	8.920	112	36187	2.062	ppbv	#	88
58)	Ethyl Benzene	9.354	91	61177	2.096	ppbv		91
59)	m/p-Xylene	9.551	91	105185m	4.299	ppbv		
60)	o-Xylene	9.963	91	53051	2.169	ppbv		99
61)	Styrene	9.872	104	18776	2.054	ppbv		97
62)	Isopropylbenzene	10.539	105	75626	2.140	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.963	83	34562	2.178	ppbv		98
64)	n-propylbenzene	10.989	120	19160	2.226	ppbv		94
65)	tert-Butylbenzene	11.532	119	70813	2.246	ppbv		97
66)	Benzyl Chloride	11.613	91	6794	1.864	ppbv		97
67)	sec-Butylbenzene	11.769	105	101458	2.264	ppbv		99
69)	p-Isopropyltoluene	11.924	119	84026	2.226	ppbv		98
70)	n-Butylbenzene	12.280	91	89400	2.291	ppbv		97
71)	2-Chlorotoluene	10.901	91	59271	2.139	ppbv		97
72)	4-Ethyltoluene	11.124	105	63833	2.210	ppbv		98
73)	1,3,5-Trimethylbenzene	11.205	105	56516	2.225	ppbv		94
74)	1,2,4-Trimethylbenzene	11.536	105	72485	2.359	ppbv		94
75)	1,3-Dichlorobenzene	11.607	146	36885	2.156	ppbv		97
76)	1,4-Dichlorobenzene	11.671	146	33728	2.083	ppbv		94
77)	1,2-Dichlorobenzene	11.947	146	36078	2.154	ppbv		99
78)	Hexachloro-1,3-Butadiene	13.882	225	37360	2.234	ppbv		99
79)	Naphthalene	13.513	128	75248	2.920	ppbv		96
80)	Naphthalene,2-methyl-	14.458	142	54922	2.857	ppbv		96
81)	1,2,4-Trichlorobenzene	13.442	180	33063	2.396	ppbv		95

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

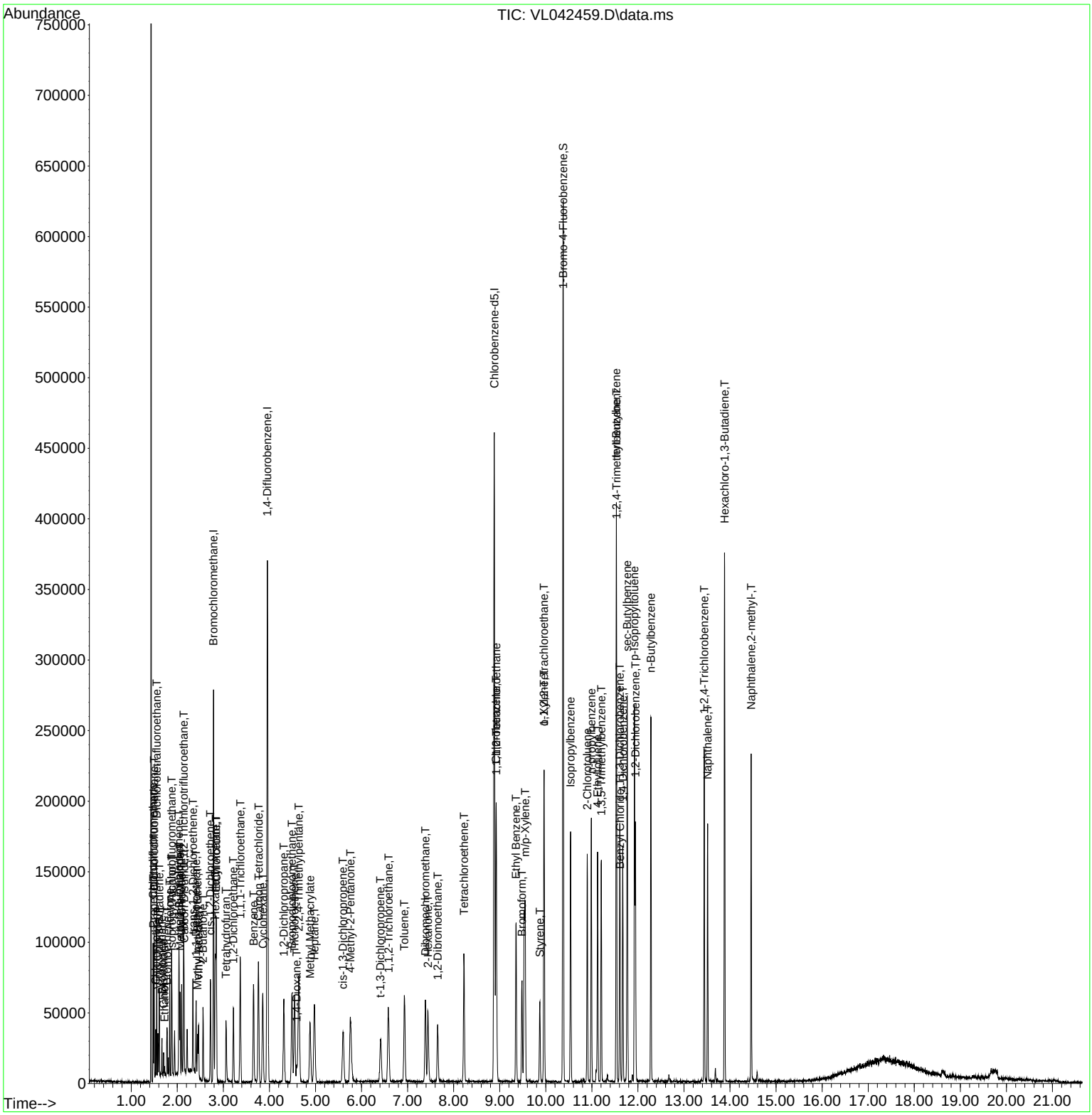
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042459.D
Acq On : 01 May 2025 09:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:40:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042460.D
Acq On : 01 May 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:41:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	71499	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.955	114	200111	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.881	117	170872	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.374	95	158600	10.011	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	11796	0.997	ppbv		96
3) Chlorodifluoromethane	1.476	51	13375	1.069	ppbv		96
4) Chloromethane	1.531	50	4975	1.006	ppbv		95
5) Vinyl Chloride	1.576	62	4469	0.898	ppbv		100
6) Bromomethane	1.667	94	2570	1.092	ppbv		86
7) Chloroethane	1.703	64	1943	1.057	ppbv		94
8) Dichlorotetrafluoroethane	1.554	85	9804	1.005	ppbv		91
9) Propene	1.482	41	4331	1.058	ppbv		88
10) Heptane	4.975	43	11681m	1.101	ppbv		
11) Trichlorofluoromethane	1.877	101	10649m	1.009	ppbv		
12) 1,1,2-Trichlorotrifluo...	2.140	101	8821	1.012	ppbv		97
13) Ethanol	1.719	45	975	1.174	ppbv	#	52
14) Bromoethene	1.780	108	3164	0.983	ppbv	#	91
15) Acetone	1.835	43	14974	1.147	ppbv		98
16) 1,3-Butadiene	1.609	39	6248	1.085	ppbv		96
17) tert-Butyl alcohol	2.039	59	11546	1.004	ppbv	#	91
18) 1,1-Dichloroethene	2.033	96	4200	1.032	ppbv		86
19) Isopropyl Alcohol	1.884	45	7775	1.076	ppbv		99
20) Methylene Chloride	2.059	84	3909	0.996	ppbv		86
21) Allyl Chloride	2.094	41	8443	1.006	ppbv		94
22) trans-1,2-Dichloroethene	2.337	96	5305	1.116	ppbv		88
23) Vinyl Acetate	2.460	43	10876	0.894	ppbv	#	94
24) 1,1-Dichloroethane	2.405	63	10477	1.080	ppbv		97
25) Ethyl Acetate	2.835	43	21761	1.041	ppbv		99
26) Hexane	2.822	57	9223	1.013	ppbv		97
27) Carbon Disulfide	2.149	76	10342	0.973	ppbv	#	21
28) Methyl tert-Butyl Ether	2.441	73	6101	1.115	ppbv		93
29) Chloroform	2.848	83	17744	1.040	ppbv		97
30) Cyclohexane	3.852	84	7139	0.938	ppbv		88
31) cis-1,2-Dichloroethene	2.719	61	11472	1.080	ppbv		87
32) 1,1,1-Trichloroethane	3.366	97	17881	0.966	ppbv		98
34) 2-Butanone	2.560	43	14641	1.012	ppbv		94
35) Carbon Tetrachloride	3.755	117	18704	1.075	ppbv	#	76
36) Benzene	3.654	78	19493	1.032	ppbv	#	94
37) 1,2-Dichloroethane	3.214	62	15116	1.039	ppbv		98
38) Trichloroethene	4.541	130	7278m	1.011	ppbv		
39) 1,2-Dichloropropane	4.302	63	8103m	1.145	ppbv		
40) 1,4-Dioxane	4.593	88	3703m	1.126	ppbv		
41) Tetrahydrofuran	3.062	42	7091m	1.033	ppbv		
42) Bromodichloromethane	4.486	83	18427	1.036	ppbv	#	81
43) Methyl Methacrylate	4.874	69	6829m	0.971	ppbv		
44) 2,2,4-Trimethylpentane	4.635	57	31820m	1.043	ppbv		
45) t-1,3-Dichloropropene	6.409	75	8461m	0.914	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042460.D
Acq On : 01 May 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:41:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	10781m	0.981	ppbv		
47) 1,1,2-Trichloroethane	6.583	97	8183m	1.055	ppbv		
48) Dibromochloromethane	7.386	129	12859m	0.982	ppbv		
49) Bromoform	9.483	173	10709	0.976	ppbv		97
50) 4-Methyl-2-Pentanone	5.768	43	19618m	1.072	ppbv		
51) 2-Hexanone	7.448	43	15091m	1.030	ppbv		
52) Tetrachloroethene	8.221	164	6780	0.943	ppbv		86
53) Toluene	6.930	91	19390	0.970	ppbv		97
54) 1,2-Dibromoethane	7.655	107	11980	1.005	ppbv		91
56) 1,1,1,2-Tetrachloroethane	8.920	131	10811	1.071	ppbv		94
57) Chlorobenzene	8.917	112	18111	1.055	ppbv		90
58) Ethyl Benzene	9.354	91	27914	0.978	ppbv		97
59) m/p-Xylene	9.548	91	47105m	1.968	ppbv		
60) o-Xylene	9.962	91	23806	0.995	ppbv		98
61) Styrene	9.872	104	8537	0.954	ppbv		98
62) Isopropylbenzene	10.539	105	34679	1.003	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.962	83	16837	1.084	ppbv		98
64) n-propylbenzene	10.985	120	8958	1.064	ppbv		86
65) tert-Butylbenzene	11.529	119	30604	0.992	ppbv		95
66) Benzyl Chloride	11.613	91	3486	0.978	ppbv	#	96
67) sec-Butylbenzene	11.765	105	43740	0.998	ppbv		98
69) p-Isopropyltoluene	11.927	119	37011	1.002	ppbv		99
70) n-Butylbenzene	12.280	91	37892	0.992	ppbv		97
71) 2-Chlorotoluene	10.898	91	26813	0.989	ppbv		99
72) 4-Ethyltoluene	11.124	105	28149	0.996	ppbv		96
73) 1,3,5-Trimethylbenzene	11.202	105	25073	1.009	ppbv		97
74) 1,2,4-Trimethylbenzene	11.535	105	30550	1.016	ppbv		92
75) 1,3-Dichlorobenzene	11.607	146	17456	1.043	ppbv		98
76) 1,4-Dichlorobenzene	11.671	146	16151	1.019	ppbv		99
77) 1,2-Dichlorobenzene	11.947	146	17207	1.050	ppbv		94
78) Hexachloro-1,3-Butadiene	13.879	225	18472	1.129	ppbv		98
79) Naphthalene	13.513	128	28316	1.123	ppbv	#	94
80) Naphthalene,2-methyl-	14.458	142	15804	0.840	ppbv		93
81) 1,2,4-Trichlorobenzene	13.439	180	13644	1.011	ppbv		96

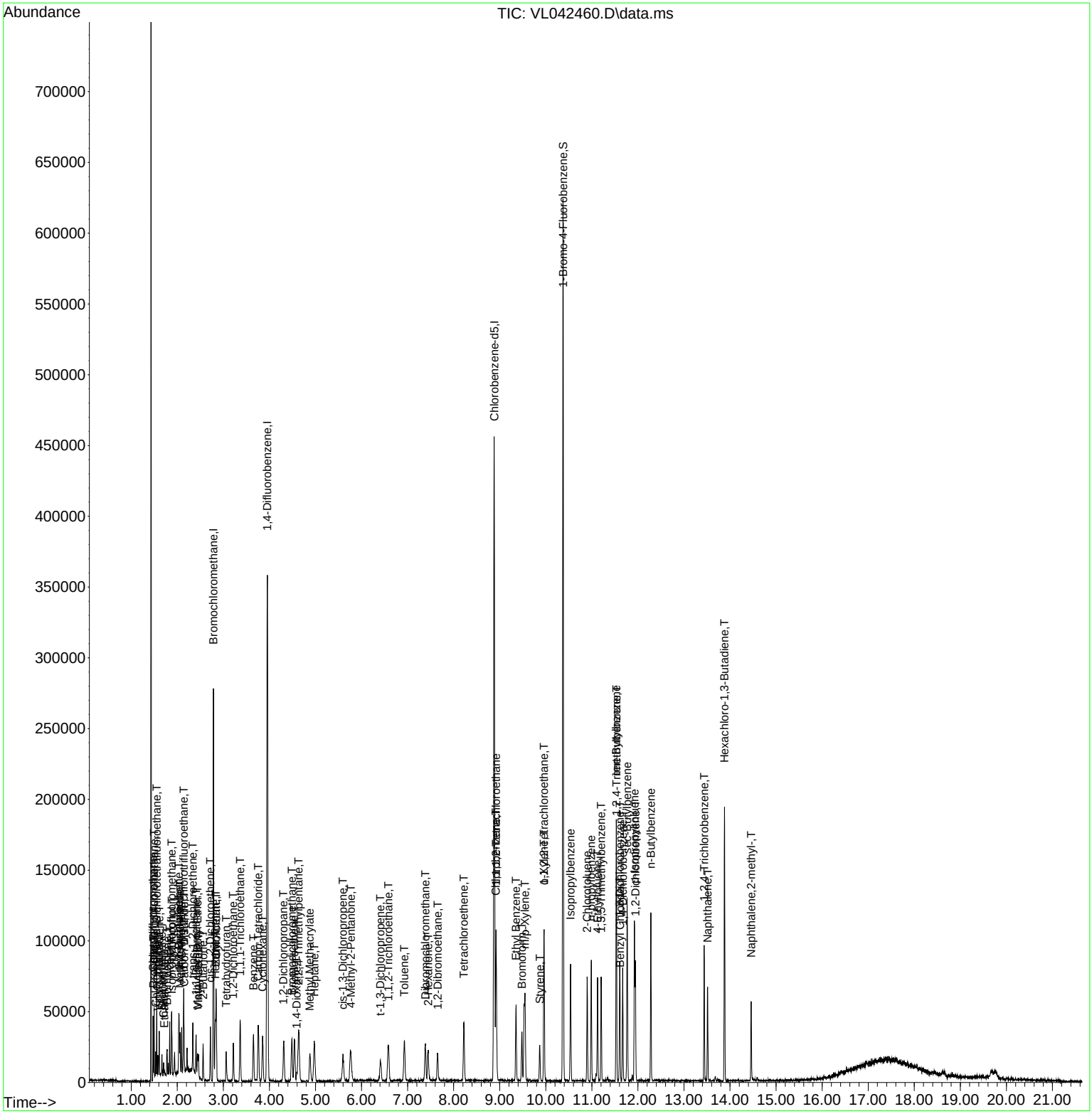
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042460.D
Acq On : 01 May 2025 10:08
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:41:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042461.D
Acq On : 01 May 2025 10:40
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:42:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.790	49	68913	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	193701	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	166625	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	150277	9.728	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	6501	0.570	ppbv		94
3) Chlorodifluoromethane	1.476	51	6500	0.539	ppbv		99
4) Chloromethane	1.535	50	2542	0.533	ppbv		95
5) Vinyl Chloride	1.580	62	2441	0.509	ppbv		92
6) Bromomethane	1.667	94	1202	0.530	ppbv		97
7) Chloroethane	1.703	64	862	0.486	ppbv	#	68
8) Dichlorotetrafluoroethane	1.554	85	4979	0.530	ppbv		93
9) Propene	1.486	41	2017	0.511	ppbv		96
10) Heptane	4.982	43	4397m	0.430	ppbv		
11) Trichlorofluoromethane	1.878	101	5720	0.562	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.137	101	4540	0.540	ppbv		94
13) Ethanol	1.722	45	474m	0.592	ppbv		
14) Bromoethene	1.784	108	1680	0.542	ppbv	#	87
15) Acetone	1.839	43	7680	0.610	ppbv	#	82
16) 1,3-Butadiene	1.609	39	3044	0.549	ppbv		86
17) tert-Butyl alcohol	2.046	59	6256	0.564	ppbv	#	91
18) 1,1-Dichloroethene	2.036	96	2240	0.571	ppbv		94
19) Isopropyl Alcohol	1.887	45	4208	0.604	ppbv	#	96
20) Methylene Chloride	2.062	84	2594	0.686	ppbv	#	80
21) Allyl Chloride	2.098	41	4420	0.546	ppbv	#	93
22) trans-1,2-Dichloroethene	2.340	96	2554	0.557	ppbv		95
23) Vinyl Acetate	2.460	43	6541	0.558	ppbv	#	95
24) 1,1-Dichloroethane	2.412	63	4933	0.528	ppbv		98
25) Ethyl Acetate	2.842	43	10344	0.514	ppbv	#	96
26) Hexane	2.829	57	4403	0.502	ppbv		95
27) Carbon Disulfide	2.153	76	5201	0.508	ppbv	#	1
28) Methyl tert-Butyl Ether	2.441	73	2762	0.524	ppbv	#	82
29) Chloroform	2.852	83	8791	0.535	ppbv		92
30) Cyclohexane	3.855	84	3910m	0.533	ppbv		
31) cis-1,2-Dichloroethene	2.726	61	5345m	0.522	ppbv		
32) 1,1,1-Trichloroethane	3.366	97	8846m	0.496	ppbv		
34) 2-Butanone	2.564	43	7766	0.554	ppbv		93
35) Carbon Tetrachloride	3.768	117	8286	0.492	ppbv		86
36) Benzene	3.655	78	8951	0.490	ppbv	#	92
37) 1,2-Dichloroethane	3.224	62	7149	0.507	ppbv	#	95
38) Trichloroethene	4.548	130	3769m	0.541	ppbv		
39) 1,2-Dichloropropane	4.321	63	3561m	0.520	ppbv		
40) 1,4-Dioxane	4.619	88	1701m	0.534	ppbv		
41) Tetrahydrofuran	3.069	42	3187m	0.480	ppbv		
42) Bromodichloromethane	4.496	83	8212	0.477	ppbv		93
43) Methyl Methacrylate	4.891	69	3179m	0.467	ppbv		
44) 2,2,4-Trimethylpentane	4.648	57	14435m	0.489	ppbv		
45) t-1,3-Dichloropropene	6.415	75	4238m	0.473	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042461.D
Acq On : 01 May 2025 10:40
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:42:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.600	75	5091m	0.479	ppbv		
47)	1,1,2-Trichloroethane	6.584	97	3606m	0.480	ppbv		
48)	Dibromochloromethane	7.390	129	6304m	0.498	ppbv		
49)	Bromoform	9.484	173	5228	0.492	ppbv		97
50)	4-Methyl-2-Pentanone	5.771	43	8248m	0.466	ppbv		
51)	2-Hexanone	7.454	43	6283m	0.443	ppbv		
52)	Tetrachloroethene	8.221	164	3151m	0.453	ppbv		
53)	Toluene	6.933	91	9052m	0.468	ppbv		
54)	1,2-Dibromoethane	7.652	107	5705	0.494	ppbv		83
56)	1,1,1,2-Tetrachloroethane	8.924	131	5152	0.524	ppbv	#	92
57)	Chlorobenzene	8.924	112	9173	0.548	ppbv	#	86
58)	Ethyl Benzene	9.357	91	12427	0.446	ppbv		90
59)	m/p-Xylene	9.552	91	20195m	0.865	ppbv		
60)	o-Xylene	9.966	91	9976m	0.427	ppbv		
61)	Styrene	9.872	104	3457m	0.396	ppbv		
62)	Isopropylbenzene	10.545	105	14837	0.440	ppbv		95
63)	1,1,2,2-Tetrachloroethane	9.963	83	8135	0.537	ppbv		96
64)	n-propylbenzene	10.992	120	3329m	0.405	ppbv		
65)	tert-Butylbenzene	11.536	119	12655	0.421	ppbv		99
66)	Benzyl Chloride	11.613	91	1317m	0.379	ppbv		
67)	sec-Butylbenzene	11.769	105	17905	0.419	ppbv		97
69)	p-Isopropyltoluene	11.927	119	15036	0.417	ppbv		94
70)	n-Butylbenzene	12.283	91	15016	0.403	ppbv		93
71)	2-Chlorotoluene	10.905	91	11702	0.443	ppbv		99
72)	4-Ethyltoluene	11.128	105	10671	0.387	ppbv	#	91
73)	1,3,5-Trimethylbenzene	11.206	105	9808	0.405	ppbv		89
74)	1,2,4-Trimethylbenzene	11.539	105	13060	0.445	ppbv	#	83
75)	1,3-Dichlorobenzene	11.607	146	8127	0.498	ppbv		96
76)	1,4-Dichlorobenzene	11.675	146	7238	0.469	ppbv		96
77)	1,2-Dichlorobenzene	11.950	146	8141	0.509	ppbv		94
78)	Hexachloro-1,3-Butadiene	13.886	225	8565	0.537	ppbv		99
79)	Naphthalene	13.517	128	9735m	0.396	ppbv		
80)	Naphthalene,2-methyl-	14.458	142	4153	0.226	ppbv		98
81)	1,2,4-Trichlorobenzene	13.445	180	4992	0.379	ppbv		98

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

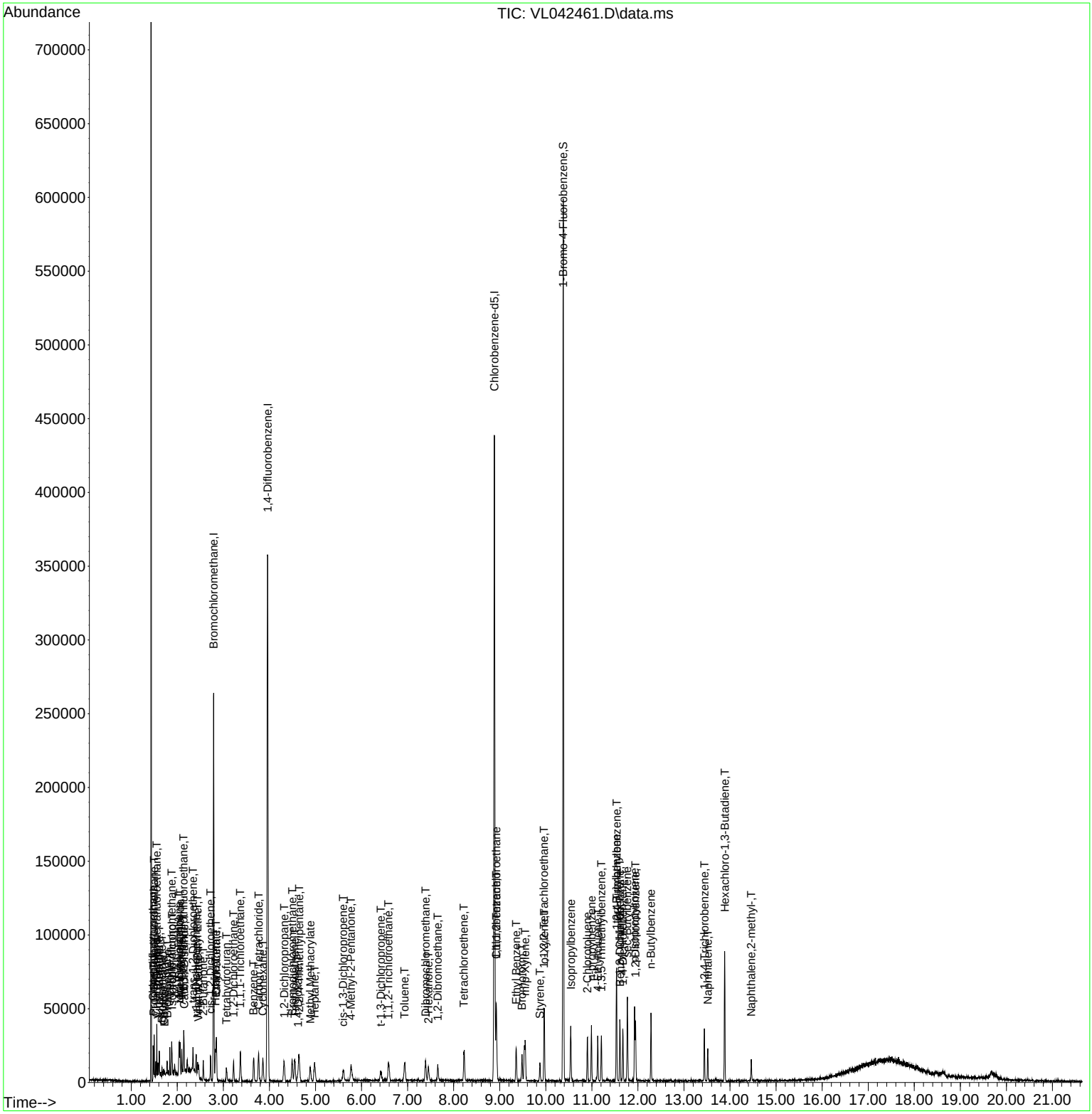
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042461.D
Acq On : 01 May 2025 10:40
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:42:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042462.D
Acq On : 01 May 2025 11:12
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	65449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	186907	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	157618	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	143644	9.830	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.300%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	631	0.138	ppbv	# 53
32) 1,1,1-Trichloroethane	3.363	97	1860m	0.110	ppbv	
35) Carbon Tetrachloride	3.758	117	1493	0.092	ppbv	# 55
38) Trichloroethene	4.551	130	784m	0.117	ppbv	
52) Tetrachloroethene	8.221	164	710m	0.106	ppbv	
54) 1,2-Dibromoethane	7.665	107	1169m	0.105	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	1490	0.104	ppbv	# 75
79) Naphthalene	13.517	128	1135m	0.049	ppbv	

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

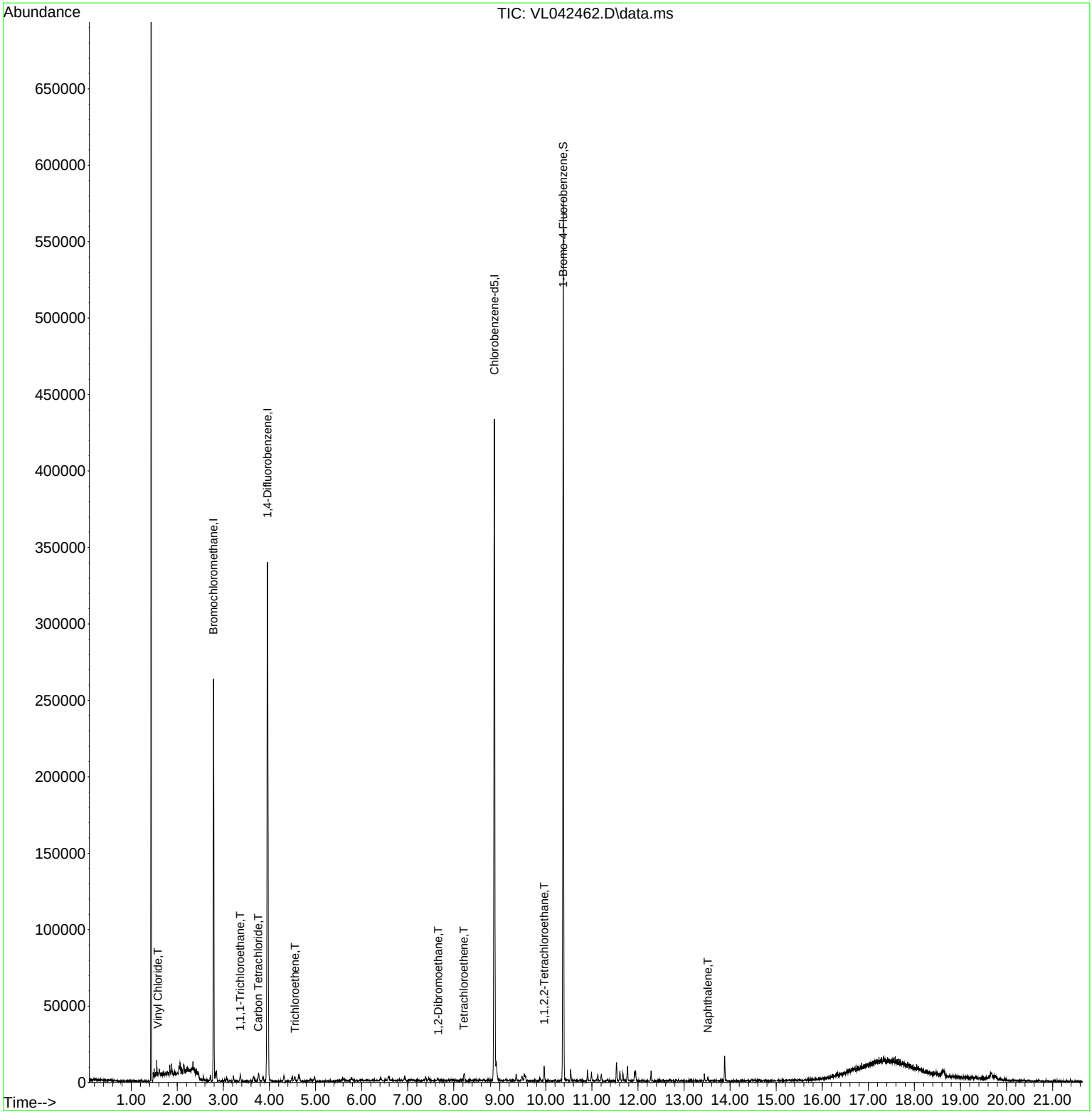
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042462.D
Acq On : 01 May 2025 11:12
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042465.D
Acq On : 01 May 2025 12:49
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	64314	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	178877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	157673	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	151837	10.387	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	158069	14.852	ppbv	99
3) Chlorodifluoromethane	1.476	51	154556	13.735	ppbv	100
4) Chloromethane	1.535	50	64267	14.447	ppbv	95
5) Vinyl Chloride	1.580	62	60873	13.592	ppbv	98
6) Bromomethane	1.667	94	31246	14.766	ppbv	87
7) Chloroethane	1.703	64	25181	15.227	ppbv	92
8) Dichlorotetrafluoroethane	1.554	85	131995	15.044	ppbv	99
9) Propene	1.486	41	49647	13.489	ppbv	99
10) Heptane	4.982	43	142235	14.898	ppbv	100
11) Trichlorofluoromethane	1.878	101	152655	16.082	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	115855	14.775	ppbv	96
13) Ethanol	1.722	45	8090	10.832	ppbv	98
14) Bromoethene	1.781	108	44928	15.519	ppbv	96
15) Acetone	1.836	43	141306	12.036	ppbv	99
16) 1,3-Butadiene	1.609	39	72455	13.992	ppbv	98
17) tert-Butyl alcohol	2.043	59	144935	14.012	ppbv	99
18) 1,1-Dichloroethene	2.033	96	52813	14.424	ppbv	98
19) Isopropyl Alcohol	1.887	45	86000	13.235	ppbv #	1
20) Methylene Chloride	2.062	84	46063	13.050	ppbv	94
21) Allyl Chloride	2.098	41	112451	14.893	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	62153	14.534	ppbv	100
23) Vinyl Acetate	2.464	43	169418	15.489	ppbv	99
24) 1,1-Dichloroethane	2.409	63	127567	14.622	ppbv	97
25) Ethyl Acetate	2.836	43	269372	14.329	ppbv	100
26) Hexane	2.826	57	119552	14.598	ppbv	97
27) Carbon Disulfide	2.150	76	150258	15.722	ppbv #	92
28) Methyl tert-Butyl Ether	2.441	73	71341	14.500	ppbv	99
29) Chloroform	2.849	83	221976	14.464	ppbv	99
30) Cyclohexane	3.859	84	101146	14.771	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	133735	13.997	ppbv	93
32) 1,1,1-Trichloroethane	3.370	97	234752	14.099	ppbv	99
34) 2-Butanone	2.557	43	174521	13.488	ppbv	97
35) Carbon Tetrachloride	3.765	117	242144	15.566	ppbv	99
36) Benzene	3.658	78	239352	14.179	ppbv	98
37) 1,2-Dichloroethane	3.221	62	190179	14.618	ppbv	98
38) Trichloroethene	4.551	130	95257	14.798	ppbv	94
39) 1,2-Dichloropropane	4.312	63	84414	13.349	ppbv	93
40) 1,4-Dioxane	4.584	88	38551	13.115	ppbv #	100
41) Tetrahydrofuran	3.056	42	86296	14.063	ppbv	98
42) Bromodichloromethane	4.493	83	242556	15.259	ppbv	99
43) Methyl Methacrylate	4.885	69	98279	15.639	ppbv	100
44) 2,2,4-Trimethylpentane	4.642	57	401920	14.734	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	136762	16.529	ppbv	92

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042465.D
Acq On : 01 May 2025 12:49
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	154705m	15.749	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	99496	14.356	ppbv	93
48) Dibromochloromethane	7.393	129	180970	15.468	ppbv	98
49) Bromoform	9.487	173	152440	15.535	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	237985	14.550	ppbv	97
51) 2-Hexanone	7.438	43	197423	15.071	ppbv	99
52) Tetrachloroethene	8.228	164	85271	13.272	ppbv	90
53) Toluene	6.937	91	281731	15.768	ppbv	100
54) 1,2-Dibromoethane	7.655	107	154739	14.523	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.927	131	133410	14.326	ppbv	98
57) Chlorobenzene	8.927	112	218370	13.783	ppbv	99
58) Ethyl Benzene	9.358	91	414805	15.743	ppbv	98
59) m/p-Xylene	9.555	91	699743m	31.674	ppbv	
60) o-Xylene	9.966	91	350328	15.863	ppbv	100
61) Styrene	9.876	104	137720	16.686	ppbv	96
62) Isopropylbenzene	10.542	105	498619	15.629	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	209726	14.635	ppbv	99
64) n-propylbenzene	10.992	120	122452	15.759	ppbv	97
65) tert-Butylbenzene	11.536	119	443042	15.562	ppbv	97
66) Benzyl Chloride	11.617	91	60376	18.348	ppbv	97
67) sec-Butylbenzene	11.769	105	632600	15.636	ppbv	100
69) p-Isopropyltoluene	11.928	119	539860	15.837	ppbv	99
70) n-Butylbenzene	12.284	91	566780	16.084	ppbv	99
71) 2-Chlorotoluene	10.905	91	394227	15.755	ppbv	100
72) 4-Ethyltoluene	11.128	105	423746	16.250	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	362951	15.826	ppbv	96
74) 1,2,4-Trimethylbenzene	11.539	105	407416	14.683	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	225215	14.579	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	224505	15.357	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	216147	14.295	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	198112	13.121	ppbv	99
79) Naphthalene	13.517	128	392900	16.888	ppbv	98
80) Naphthalene,2-methyl-	14.459	142	316493	18.232	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	195942	15.728	ppbv	97

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

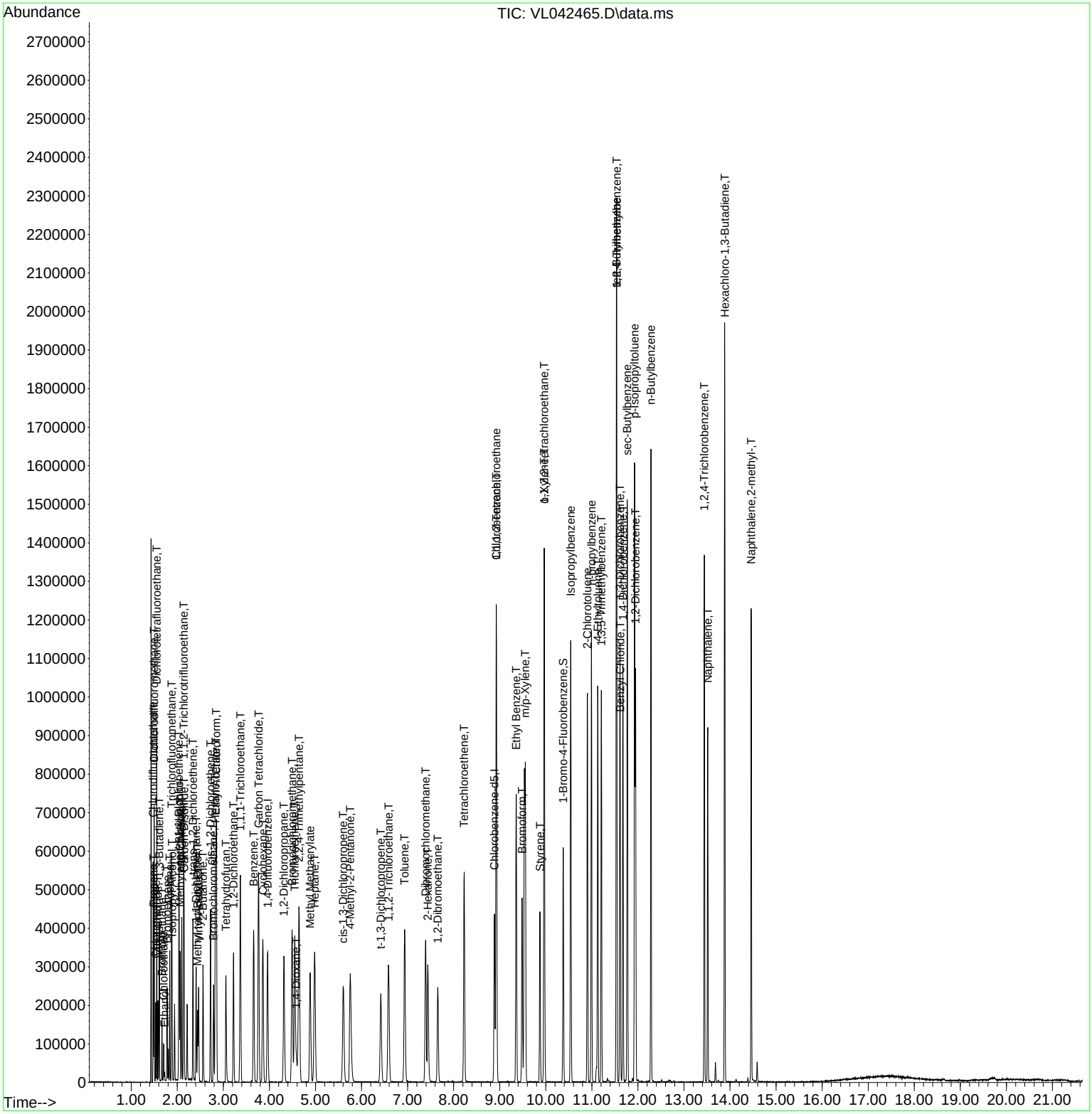
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042465.D
Acq On : 01 May 2025 12:49
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:45:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042466.D
Acq On : 01 May 2025 14:10
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	66546	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	186737	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	161050	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	148088	9.918	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%			
Target Compounds						Qvalue
5) Vinyl Chloride	1.580	62	151	0.033	ppbv	# 87
32) 1,1,1-Trichloroethane	3.370	97	595m	0.035	ppbv	
35) Carbon Tetrachloride	3.771	117	653m	0.040	ppbv	
38) Trichloroethene	4.551	130	135	0.020	ppbv	# 40
52) Tetrachloroethene	8.231	164	285m	0.042	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.973	83	551m	0.038	ppbv	

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

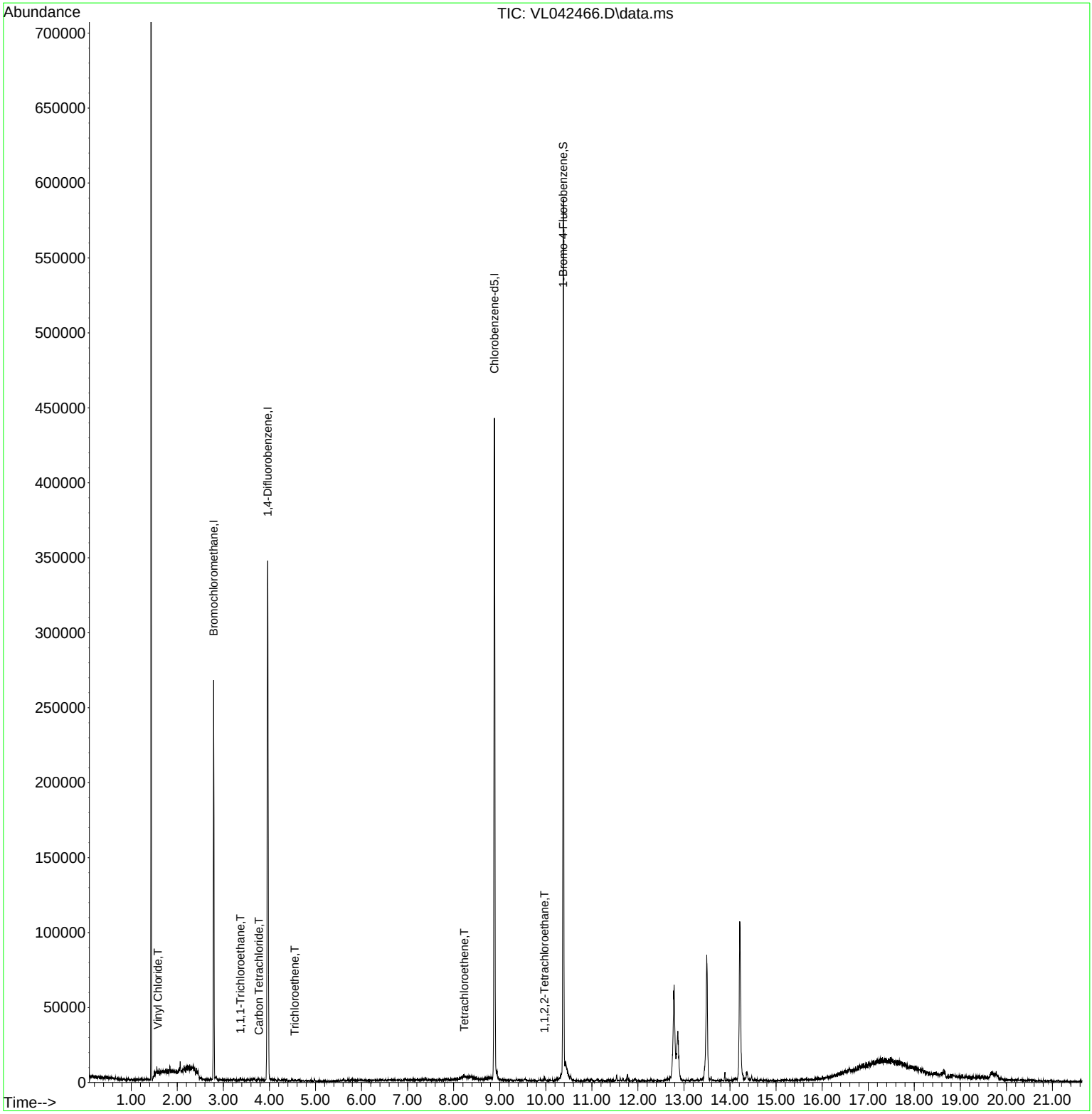
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042466.D
Acq On : 01 May 2025 14:10
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 01:37:48 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	63539	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	183679	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	156982	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	150522	10.342	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	108782	10.346	ppbv	97
3) Chlorodifluoromethane	1.476	51	110290	9.921	ppbv	98
4) Chloromethane	1.534	50	43950	10.001	ppbv	96
5) Vinyl Chloride	1.580	62	41181	9.307	ppbv	99
6) Bromomethane	1.667	94	21021	10.055	ppbv	91
7) Chloroethane	1.706	64	16630	10.179	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	89345	10.307	ppbv	99
9) Propene	1.486	41	36920	10.153	ppbv	97
10) Heptane	4.985	43	94631	10.033	ppbv	95
11) Trichlorofluoromethane	1.878	101	100713	10.380	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	81143	10.474	ppbv	99
13) Ethanol	1.722	45	5736	7.773	ppbv	99
14) Bromoethene	1.780	108	30094	10.522	ppbv	97
15) Acetone	1.835	43	95460	8.230	ppbv	98
16) 1,3-Butadiene	1.609	39	49566	9.689	ppbv	100
17) tert-Butyl alcohol	2.043	59	102047	9.986	ppbv	100
18) 1,1-Dichloroethene	2.033	96	35784	9.892	ppbv	98
19) Isopropyl Alcohol	1.887	45	60977	9.499	ppbv	99
20) Methylene Chloride	2.062	84	31212	8.951	ppbv	94
21) Allyl Chloride	2.098	41	73365	9.835	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	42922	10.160	ppbv	96
23) Vinyl Acetate	2.463	43	113131	10.220	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	89117	10.340	ppbv	97
25) Ethyl Acetate	2.839	43	186185	10.025	ppbv	99
26) Hexane	2.826	57	83132	10.275	ppbv	96
27) Carbon Disulfide	2.149	76	100196	10.612	ppbv	96
28) Methyl tert-Butyl Ether	2.441	73	48326	9.942	ppbv	100
29) Chloroform	2.852	83	152381	10.050	ppbv	96
30) Cyclohexane	3.858	84	70581	10.434	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	95793	10.148	ppbv	96
32) 1,1,1-Trichloroethane	3.370	97	161465	9.816	ppbv	99
34) 2-Butanone	2.560	43	125883	9.475	ppbv	97
35) Carbon Tetrachloride	3.764	117	166814	9.998	ppbv	97
36) Benzene	3.658	78	171384	9.888	ppbv	98
37) 1,2-Dichloroethane	3.221	62	130063	9.736	ppbv	100
38) Trichloroethene	4.551	130	65940	9.976	ppbv	96
39) 1,2-Dichloropropane	4.315	63	60010	9.248	ppbv	95
40) 1,4-Dioxane	4.583	88	28306m	9.316	ppbv	
41) Tetrahydrofuran	3.059	42	59604	9.440	ppbv	98
42) Bromodichloromethane	4.489	83	163210	9.999	ppbv	95
43) Methyl Methacrylate	4.881	69	67516	10.438	ppbv	99
44) 2,2,4-Trimethylpentane	4.642	57	277217	9.867	ppbv	100
45) t-1,3-Dichloropropene	6.415	75	89638m	10.563	ppbv	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	104665	10.378	ppbv		97
47) 1,1,2-Trichloroethane	6.584	97	67821	9.530	ppbv		95
48) Dibromochloromethane	7.393	129	121381	10.103	ppbv		97
49) Bromoform	9.487	173	102150	10.138	ppbv		100
50) 4-Methyl-2-Pentanone	5.752	43	159280	9.478	ppbv		99
51) 2-Hexanone	7.438	43	126396	9.407	ppbv	#	98
52) Tetrachloroethene	8.228	164	58272	8.832	ppbv		96
53) Toluene	6.940	91	191922	10.461	ppbv		99
54) 1,2-Dibromoethane	7.658	107	105149	9.664	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.927	131	92337	9.959	ppbv		97
57) Chlorobenzene	8.927	112	148759	9.431	ppbv		92
58) Ethyl Benzene	9.357	91	280660	10.698	ppbv		99
59) m/p-Xylene	9.555	91	468984m	21.324	ppbv		
60) o-Xylene	9.966	91	238347	10.824	ppbv		97
61) Styrene	9.872	104	91128	11.090	ppbv		97
62) Isopropylbenzene	10.542	105	337992	10.641	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	140306	9.242	ppbv		100
64) n-propylbenzene	10.992	120	79983	10.303	ppbv		99
65) tert-Butylbenzene	11.536	119	302506	10.672	ppbv		99
66) Benzyl Chloride	11.617	91	34933	10.663	ppbv		97
67) sec-Butylbenzene	11.769	105	425444	10.562	ppbv		99
69) p-Isopropyltoluene	11.927	119	363563	10.712	ppbv		98
70) n-Butylbenzene	12.283	91	371369	10.585	ppbv		99
71) 2-Chlorotoluene	10.905	91	264063	10.599	ppbv		99
72) 4-Ethyltoluene	11.128	105	287375	11.069	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	247128	10.823	ppbv		93
74) 1,2,4-Trimethylbenzene	11.539	105	278306	10.074	ppbv		98
75) 1,3-Dichlorobenzene	11.610	146	150026	9.754	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	151740	10.425	ppbv		97
77) 1,2-Dichlorobenzene	11.950	146	146314	9.719	ppbv		99
78) Hexachloro-1,3-Butadiene	13.882	225	133688	8.893	ppbv		99
79) Naphthalene	13.516	128	251318	10.806	ppbv		98
80) Naphthalene,2-methyl-	14.458	142	198604	11.489	ppbv		99
81) 1,2,4-Trichlorobenzene	13.442	180	129406	10.433	ppbv		98

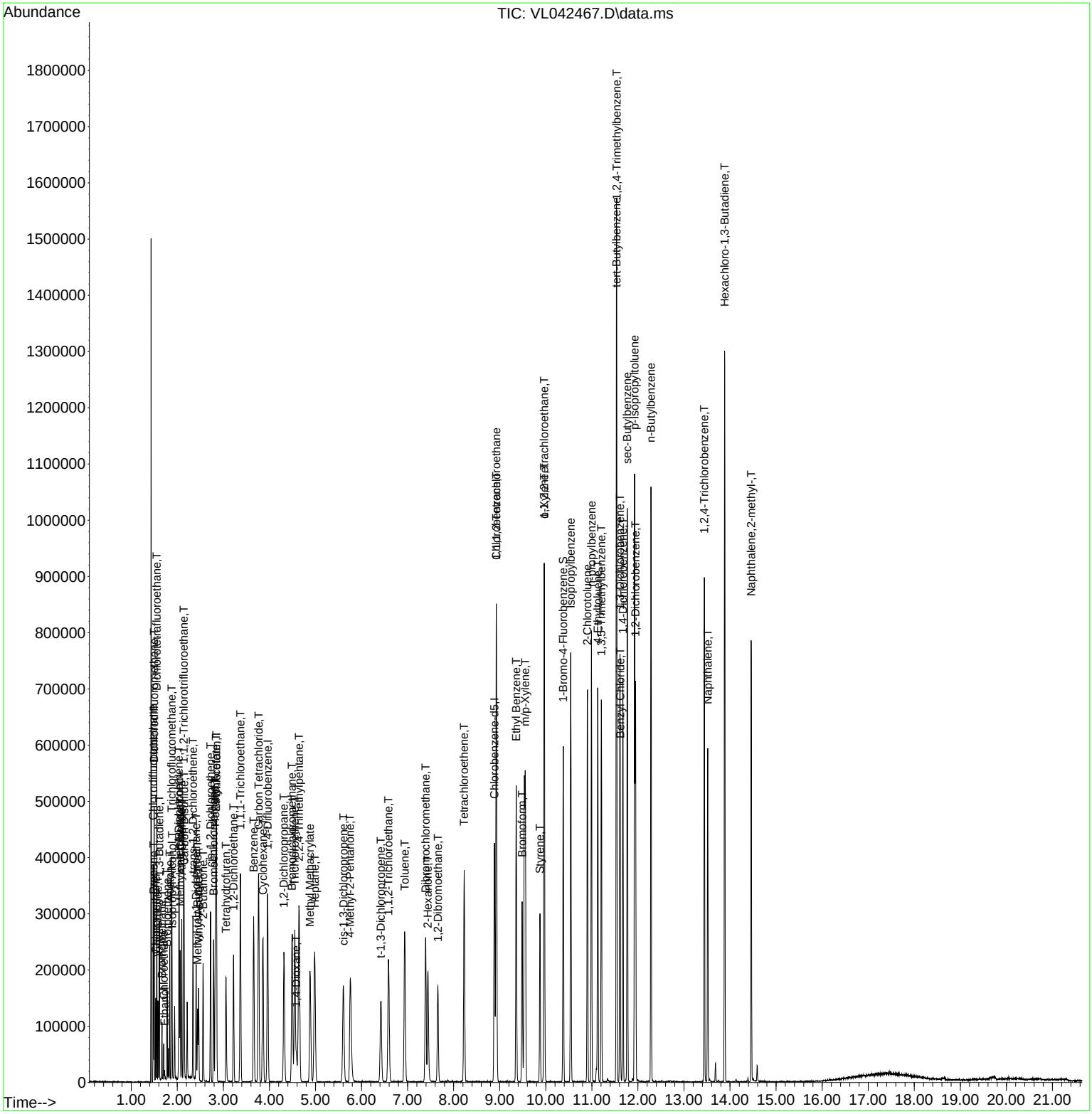
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	1.655	1.712	-3.4	104	0.00
3		Chlorodifluoromethane	1.750	1.736	0.8	98	0.00
4		Chloromethane	0.692	0.692	0.0	99	0.00
5	T	Vinyl Chloride	0.696	0.648	6.9	102	0.00
6	T	Bromomethane	0.329	0.331	-0.6	103	0.00
7		Chloroethane	0.257	0.262	-1.9	101	0.00
8	T	Dichlorotetrafluoroethane	1.364	1.406	-3.1	101	0.00
9	T	Propene	0.572	0.581	-1.6	98	0.00
10	T	Heptane	1.484	1.489	-0.3	92	0.00
11	T	Trichlorofluoromethane	1.527	1.585	-3.8	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.219	1.277	-4.8	103	0.00
13		Ethanol	0.116	0.090	22.4	101	0.00
14	T	Bromoethene	0.450	0.474	-5.3	106	0.00
15	T	Acetone	1.826	1.502	17.7	101	0.00
16	T	1,3-Butadiene	0.805	0.780	3.1	102	0.00
17		tert-Butyl alcohol	1.608	1.606	0.1	96	0.00
18	T	1,1-Dichloroethene	0.569	0.563	1.1	101	0.00
19	T	Isopropyl Alcohol	1.010	0.960	5.0	98	0.00
20	T	Methylene Chloride	0.549	0.491	10.6	97	0.00
21	T	Allyl Chloride	1.174	1.155	1.6	95	0.00
22	T	trans-1,2-Dichloroethene	0.665	0.676	-1.7	109	0.00
23	T	Vinyl Acetate	1.742	1.780	-2.2	92	0.00
24	T	1,1-Dichloroethane	1.357	1.403	-3.4	104	0.00
25	T	Ethyl Acetate	2.923	2.930	-0.2	92	0.00
26	T	Hexane	1.273	1.308	-2.7	96	0.00
27	T	Carbon Disulfide	1.486	1.577	-6.1	99	0.00
28	T	Methyl tert-Butyl Ether	0.765	0.761	0.5	101	0.00
29	T	Chloroform	2.386	2.398	-0.5	97	0.00
30	T	Cyclohexane	1.065	1.111	-4.3	95	0.00
31	T	cis-1,2-Dichloroethene	1.486	1.508	-1.5	100	0.00
32	T	1,1,1-Trichloroethane	2.589	2.541	1.9	99	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34	T	2-Butanone	0.723	0.685	5.3	95	0.00
35	T	Carbon Tetrachloride	0.908	0.908	0.0	100	0.00
36	T	Benzene	0.944	0.933	1.2	95	0.00
37	T	1,2-Dichloroethane	0.727	0.708	2.6	97	0.00
38	T	Trichloroethene	0.360	0.359	0.3	94	0.00
39	T	1,2-Dichloropropane	0.353	0.327	7.4	94	0.00
40	T	1,4-Dioxane	0.165	0.154	6.7	93	0.00
41	T	Tetrahydrofuran	0.344	0.325	5.5	91	0.00
42	T	Bromodichloromethane	0.889	0.889	0.0	97	0.00
43		Methyl Methacrylate	0.352	0.368	-4.5	92	0.00
44	T	2,2,4-Trimethylpentane	1.530	1.509	1.4	96	0.00
45	T	t-1,3-Dichloropropene	0.462	0.488	-5.6	93	0.00
46	T	cis-1,3-Dichloropropene	0.549	0.570	-3.8	94	0.00
47	T	1,1,2-Trichloroethane	0.387	0.369	4.7	94	0.00
48	T	Dibromochloromethane	0.654	0.661	-1.1	96	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.549	0.556	-1.3	96	0.00
50	T	4-Methyl-2-Pentanone	0.915	0.867	5.2	91	0.00
51	T	2-Hexanone	0.731	0.688	5.9	87	0.00
52	T	Tetrachloroethene	0.359	0.317	11.7	95	0.00
53	T	Toluene	0.999	1.045	-4.6	94	0.00
54	T	1,2-Dibromoethane	0.592	0.572	3.4	94	0.00
55	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	0.591	0.588	0.5	98	0.00
57	T	Chlorobenzene	1.005	0.948	5.7	95	0.00
58	T	Ethyl Benzene	1.671	1.788	-7.0	93	0.00
59	T	m/p-Xylene	1.401	1.494	-6.6	94	0.03
60	T	o-Xylene	1.403	1.518	-8.2	96	0.00
61	T	Styrene	0.523	0.580	-10.9	90	0.00
62		Isopropylbenzene	2.023	2.153	-6.4	95	0.00
63	T	1,1,2,2-Tetrachloroethane	0.967	0.894	7.5	95	0.00
64		n-propylbenzene	0.495	0.510	-3.0	95	0.00
65		tert-Butylbenzene	1.806	1.927	-6.7	96	0.00
66	T	Benzyl Chloride	0.209	0.223	-6.7	87	0.00
67		sec-Butylbenzene	2.566	2.710	-5.6	96	0.00
68	S	1-Bromo-4-Fluorobenzene	0.927	0.959	-3.5	91	0.00
69		p-Isopropyltoluene	2.162	2.316	-7.1	97	0.00
70		n-Butylbenzene	2.235	2.366	-5.9	97	0.00
71		2-Chlorotoluene	1.587	1.682	-6.0	95	0.00
72	T	4-Ethyltoluene	1.654	1.831	-10.7	96	0.00
73	T	1,3,5-Trimethylbenzene	1.455	1.574	-8.2	96	0.00
74	T	1,2,4-Trimethylbenzene	1.760	1.773	-0.7	97	0.00
75	T	1,3-Dichlorobenzene	0.980	0.956	2.4	96	0.00
76	T	1,4-Dichlorobenzene	0.927	0.967	-4.3	96	0.00
77	T	1,2-Dichlorobenzene	0.959	0.932	2.8	97	0.00
78	T	Hexachloro-1,3-Butadiene	0.958	0.852	11.1	99	0.00
79	T	Naphthalene	1.482	1.601	-8.0	94	0.00
80	T	Naphthalene,2-methyl-	1.101	1.265	-14.9	97	0.00
81	T	1,2,4-Trichlorobenzene	0.790	0.824	-4.3	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	10.000	10.346	-3.5	104	0.00
3		Chlorodifluoromethane	10.000	9.921	0.8	98	0.00
4		Chloromethane	10.000	10.001	-0.0	99	0.00
5	T	Vinyl Chloride	10.000	9.307	6.9	102	0.00
6	T	Bromomethane	10.000	10.055	-0.5	103	0.00
7		Chloroethane	10.000	10.179	-1.8	101	0.00
8	T	Dichlorotetrafluoroethane	10.000	10.307	-3.1	101	0.00
9	T	Propene	10.000	10.153	-1.5	98	0.00
10	T	Heptane	10.000	10.033	-0.3	92	0.00
11	T	Trichlorofluoromethane	10.000	10.380	-3.8	103	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	10.474	-4.7	103	0.00
13		Ethanol	10.000	7.773	22.3	101	0.00
14	T	Bromoethene	10.000	10.522	-5.2	106	0.00
15	T	Acetone	10.000	8.230	17.7	101	0.00
16	T	1,3-Butadiene	10.000	9.689	3.1	102	0.00
17		tert-Butyl alcohol	10.000	9.986	0.1	96	0.00
18	T	1,1-Dichloroethene	10.000	9.892	1.1	101	0.00
19	T	Isopropyl Alcohol	10.000	9.499	5.0	98	0.00
20	T	Methylene Chloride	10.000	8.951	10.5	97	0.00
21	T	Allyl Chloride	10.000	9.835	1.6	95	0.00
22	T	trans-1,2-Dichloroethene	10.000	10.160	-1.6	109	0.00
23	T	Vinyl Acetate	10.000	10.220	-2.2	92	0.00
24	T	1,1-Dichloroethane	10.000	10.340	-3.4	104	0.00
25	T	Ethyl Acetate	10.000	10.025	-0.3	92	0.00
26	T	Hexane	10.000	10.275	-2.8	96	0.00
27	T	Carbon Disulfide	10.000	10.612	-6.1	99	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.942	0.6	101	0.00
29	T	Chloroform	10.000	10.050	-0.5	97	0.00
30	T	Cyclohexane	10.000	10.434	-4.3	95	0.00
31	T	cis-1,2-Dichloroethene	10.000	10.148	-1.5	100	0.00
32	T	1,1,1-Trichloroethane	10.000	9.816	1.8	99	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34	T	2-Butanone	10.000	9.475	5.3	95	0.00
35	T	Carbon Tetrachloride	10.000	9.998	0.0	100	0.00
36	T	Benzene	10.000	9.888	1.1	95	0.00
37	T	1,2-Dichloroethane	10.000	9.736	2.6	97	0.00
38	T	Trichloroethene	10.000	9.976	0.2	94	0.00
39	T	1,2-Dichloropropane	10.000	9.248	7.5	94	0.00
40	T	1,4-Dioxane	10.000	9.316	6.8	93	0.00
41	T	Tetrahydrofuran	10.000	9.440	5.6	91	0.00
42	T	Bromodichloromethane	10.000	9.999	0.0	97	0.00
43		Methyl Methacrylate	10.000	10.438	-4.4	92	0.00
44	T	2,2,4-Trimethylpentane	10.000	9.867	1.3	96	0.00
45	T	t-1,3-Dichloropropene	10.000	10.563	-5.6	93	0.00
46	T	cis-1,3-Dichloropropene	10.000	10.378	-3.8	94	0.00
47	T	1,1,2-Trichloroethane	10.000	9.530	4.7	94	0.00
48	T	Dibromochloromethane	10.000	10.103	-1.0	96	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
Data File : VL042467.D
Acq On : 01 May 2025 15:46
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050125

Quant Time: May 02 03:48:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	10.138	-1.4	96	0.00
50	T	4-Methyl-2-Pentanone	10.000	9.478	5.2	91	0.00
51	T	2-Hexanone	10.000	9.407	5.9	87	0.00
52	T	Tetrachloroethene	10.000	8.832	11.7	95	0.00
53	T	Toluene	10.000	10.461	-4.6	94	0.00
54	T	1,2-Dibromoethane	10.000	9.664	3.4	94	0.00
55	I	Chlorobenzene-d5	10.000	10.000	0.0	90	0.00
56		1,1,1,2-Tetrachloroethane	10.000	9.959	0.4	98	0.00
57	T	Chlorobenzene	10.000	9.431	5.7	95	0.00
58	T	Ethyl Benzene	10.000	10.698	-7.0	93	0.00
59	T	m/p-Xylene	20.000	21.324	-6.6	94	0.03
60	T	o-Xylene	10.000	10.824	-8.2	96	0.00
61	T	Styrene	10.000	11.090	-10.9	90	0.00
62		Isopropylbenzene	10.000	10.641	-6.4	95	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	9.242	7.6	95	0.00
64		n-propylbenzene	10.000	10.303	-3.0	95	0.00
65		tert-Butylbenzene	10.000	10.672	-6.7	96	0.00
66	T	Benzyl Chloride	10.000	10.663	-6.6	87	0.00
67		sec-Butylbenzene	10.000	10.562	-5.6	96	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	10.342	-3.4	91	0.00
69		p-Isopropyltoluene	10.000	10.712	-7.1	97	0.00
70		n-Butylbenzene	10.000	10.585	-5.9	97	0.00
71		2-Chlorotoluene	10.000	10.599	-6.0	95	0.00
72	T	4-Ethyltoluene	10.000	11.069	-10.7	96	0.00
73	T	1,3,5-Trimethylbenzene	10.000	10.823	-8.2	96	0.00
74	T	1,2,4-Trimethylbenzene	10.000	10.074	-0.7	97	0.00
75	T	1,3-Dichlorobenzene	10.000	9.754	2.5	96	0.00
76	T	1,4-Dichlorobenzene	10.000	10.425	-4.3	96	0.00
77	T	1,2-Dichlorobenzene	10.000	9.719	2.8	97	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	8.893	11.1	99	0.00
79	T	Naphthalene	10.000	10.806	-8.1	94	0.00
80	T	Naphthalene,2-methyl-	10.000	11.489	-14.9	97	0.00
81	T	1,2,4-Trichlorobenzene	10.000	10.433	-4.3	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

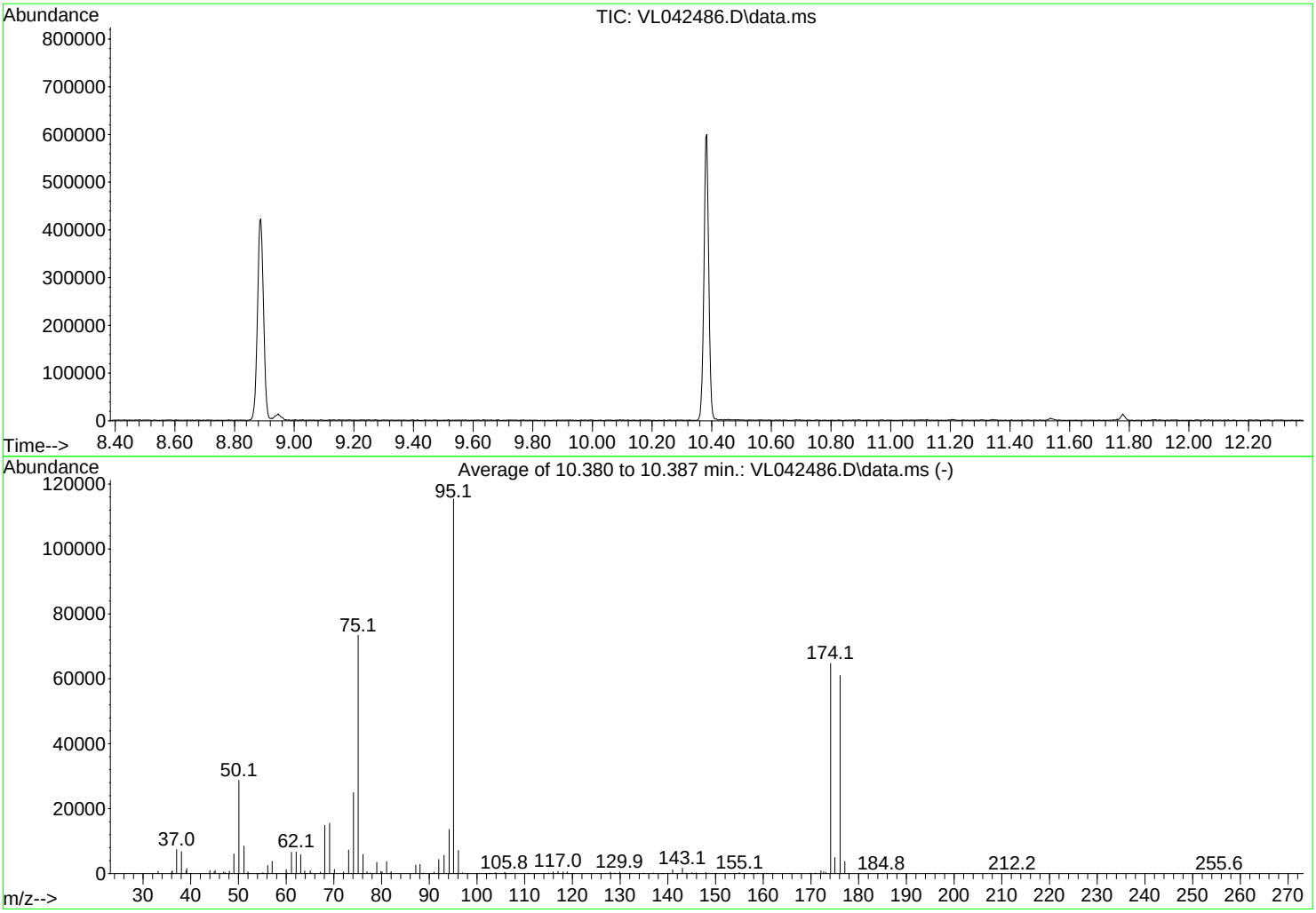
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042486.D
Acq On : 06 May 2025 08:16
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
Last Update : Fri May 02 03:16:31 2025



AutoFind: Scans 3180, 3181, 3182; 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	24.9	28768	PASS
75	95	30	66	63.6	73411	PASS
95	95	100	100	100.0	115408	PASS
96	95	5	9	6.2	7151	PASS
173	174	0.00	2	0.6	392	PASS
174	95	50	120	56.1	64757	PASS
175	174	4	9	7.6	4952	PASS
176	174	93	101	94.3	61040	PASS
177	176	5	9	6.1	3717	PASS

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042487.D
Acq On : 06 May 2025 09:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 01:35:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.791	49	69320	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	188157	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	161366	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	165339	11.051	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	131525	11.466	ppbv	96
3) Chlorodifluoromethane	1.477	51	119859	9.883	ppbv	98
4) Chloromethane	1.535	50	51848	10.814	ppbv	91
5) Vinyl Chloride	1.580	62	47536	9.847	ppbv	95
6) Bromomethane	1.667	94	25689	11.263	ppbv	99
7) Chloroethane	1.706	64	18985	10.651	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	105839	11.192	ppbv	97
9) Propene	1.486	41	34471	8.689	ppbv	96
10) Heptane	4.982	43	103210	10.030	ppbv	96
11) Trichlorofluoromethane	1.878	101	123855	11.700	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	93934	11.114	ppbv	98
13) Ethanol	1.722	45	6351	7.889	ppbv	98
14) Bromoethene	1.784	108	36335	11.645	ppbv	92
15) Acetone	1.836	43	111680	8.825	ppbv	99
16) 1,3-Butadiene	1.609	39	55608	9.963	ppbv	95
17) tert-Butyl alcohol	2.043	59	118491	10.628	ppbv	97
18) 1,1-Dichloroethene	2.036	96	41887	10.614	ppbv	98
19) Isopropyl Alcohol	1.888	45	69030	9.856	ppbv	100
20) Methylene Chloride	2.062	84	37393	9.829	ppbv	97
21) Allyl Chloride	2.098	41	84167	10.342	ppbv	97
22) trans-1,2-Dichloroethene	2.341	96	47256	10.253	ppbv	95
23) Vinyl Acetate	2.464	43	118463	9.809	ppbv	97
24) 1,1-Dichloroethane	2.409	63	100156	10.651	ppbv	99
25) Ethyl Acetate	2.839	43	201213	9.931	ppbv	99
26) Hexane	2.826	57	88211	9.993	ppbv	97
27) Carbon Disulfide	2.150	76	120690	11.716	ppbv	93
28) Methyl tert-Butyl Ether	2.441	73	51653	9.740	ppbv	98
29) Chloroform	2.852	83	172606	10.435	ppbv	93
30) Cyclohexane	3.859	84	74929	10.153	ppbv	98
31) cis-1,2-Dichloroethene	2.723	61	97864	9.503	ppbv	93
32) 1,1,1-Trichloroethane	3.370	97	182668	10.179	ppbv	99
34) 2-Butanone	2.561	43	131262	9.645	ppbv	97
35) Carbon Tetrachloride	3.765	117	190178	11.127	ppbv	100
36) Benzene	3.661	78	181690	10.233	ppbv	99
37) 1,2-Dichloroethane	3.221	62	146010	10.669	ppbv	98
38) Trichloroethene	4.555	130	71976	10.630	ppbv	90
39) 1,2-Dichloropropane	4.322	63	63612	9.570	ppbv #	87
40) 1,4-Dioxane	4.590	88	29247	9.396	ppbv #	100
41) Tetrahydrofuran	3.059	42	64241	9.932	ppbv	98
42) Bromodichloromethane	4.496	83	185825	11.113	ppbv	91
43) Methyl Methacrylate	4.891	69	72618	10.960	ppbv	96
44) 2,2,4-Trimethylpentane	4.645	57	311522	10.824	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	93178	10.719	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042487.D
Acq On : 06 May 2025 09:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 01:35:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	108203	10.473	ppbv	95
47) 1,1,2-Trichloroethane	6.587	97	75237	10.320	ppbv	93
48) Dibromochloromethane	7.393	129	134135	10.899	ppbv	99
49) Bromoform	9.490	173	119371	11.565	ppbv	98
50) 4-Methyl-2-Pentanone	5.759	43	177017	10.283	ppbv	96
51) 2-Hexanone	7.442	43	141871	10.308	ppbv	99
52) Tetrachloroethene	8.228	164	63220	9.354	ppbv	86
53) Toluene	6.940	91	205094	10.913	ppbv	99
54) 1,2-Dibromoethane	7.659	107	117565	10.548	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.934	131	104985	11.016	ppbv	98
57) Chlorobenzene	8.927	112	169084	10.428	ppbv	92
58) Ethyl Benzene	9.361	91	308243	11.431	ppbv	100
59) m/p-Xylene	9.555	91	540767m	23.920	ppbv	
60) o-Xylene	9.969	91	271925	12.013	ppbv	99
61) Styrene	9.876	104	99907	11.828	ppbv	97
62) Isopropylbenzene	10.546	105	384743	11.784	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	167724	10.748	ppbv	99
64) n-propylbenzene	10.992	120	91898	11.517	ppbv	95
65) tert-Butylbenzene	11.536	119	349935	12.010	ppbv	98
66) Benzyl Chloride	11.620	91	43100	12.798	ppbv	99
67) sec-Butylbenzene	11.772	105	496533	11.992	ppbv	99
69) p-Isopropyltoluene	11.931	119	416243	11.931	ppbv	99
70) n-Butylbenzene	12.287	91	437958	12.144	ppbv	100
71) 2-Chlorotoluene	10.905	91	303775	11.862	ppbv	100
72) 4-Ethyltoluene	11.131	105	331569	12.424	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	287473	12.248	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	324889	11.441	ppbv	94
75) 1,3-Dichlorobenzene	11.610	146	175086	11.074	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	178127	11.906	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	170747	11.034	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	152349	9.859	ppbv	99
79) Naphthalene	13.517	128	292585	12.239	ppbv	97
80) Naphthalene,2-methyl-	14.462	142	225180	12.673	ppbv	99
81) 1,2,4-Trichlorobenzene	13.446	180	142121	11.147	ppbv	98

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

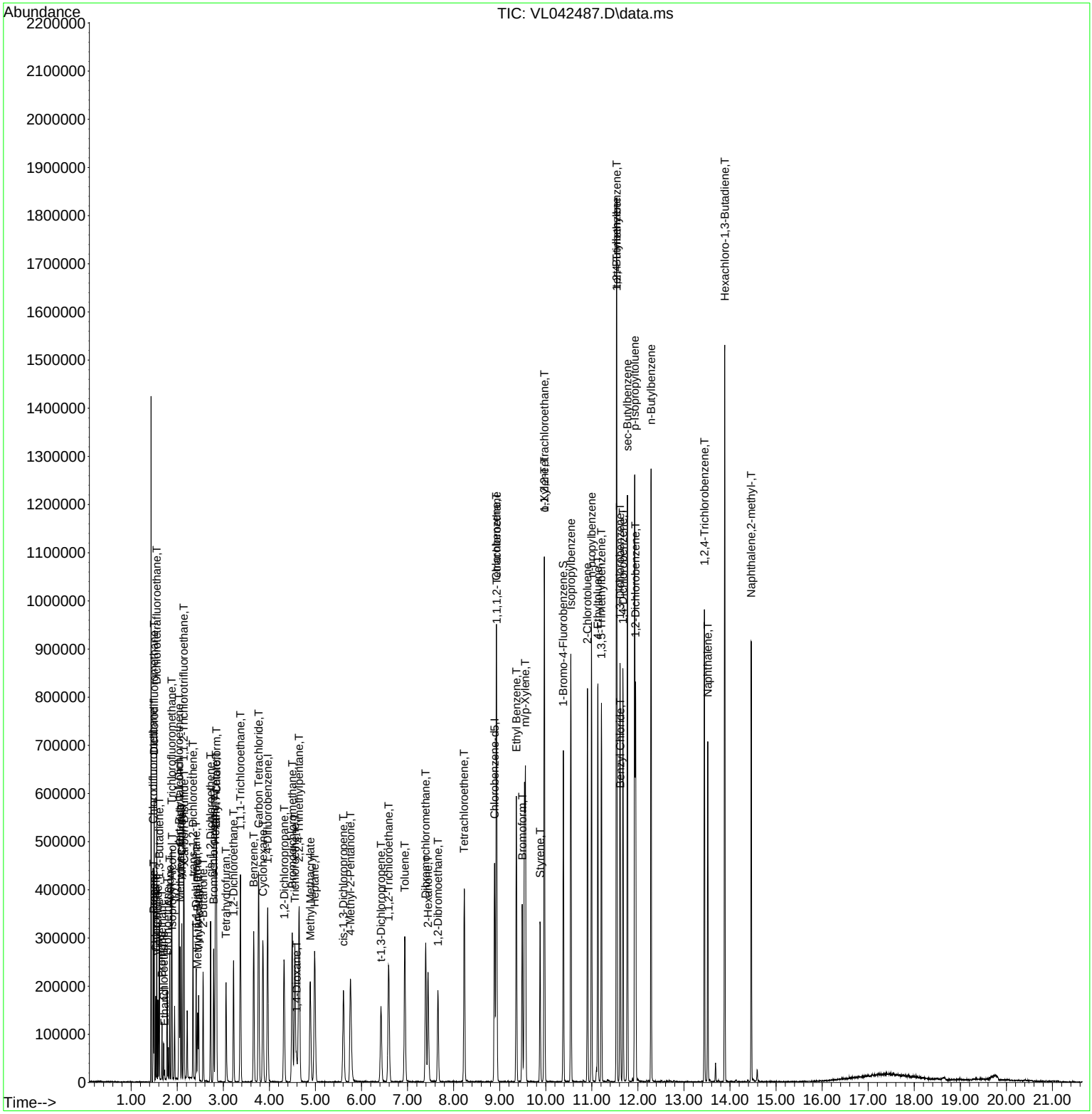
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042487.D
Acq On : 06 May 2025 09:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 01:35:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042487.D
Acq On : 06 May 2025 09:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: May 07 01:35:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	1.655	1.897	-14.6	125	0.00
3		Chlorodifluoromethane	1.750	1.729	1.2	107	0.00
4		Chloromethane	0.692	0.748	-8.1	116	0.00
5	T	Vinyl Chloride	0.696	0.686	1.4	117	0.00
6	T	Bromomethane	0.329	0.371	-12.8	126	0.00
7		Chloroethane	0.257	0.274	-6.6	115	0.00
8	T	Dichlorotetrafluoroethane	1.364	1.527	-12.0	120	0.00
9	T	Propene	0.572	0.497	13.1	92	0.00
10	T	Heptane	1.484	1.489	-0.3	100	0.00
11	T	Trichlorofluoromethane	1.527	1.787	-17.0	126	0.00
12	T	1,1,2-Trichlorotrifluoroeth	1.219	1.355	-11.2	120	0.00
13		Ethanol	0.116	0.092	20.7	112	0.00
14	T	Bromoethene	0.450	0.524	-16.4	128	0.00
15	T	Acetone	1.826	1.611	11.8	119	0.00
16	T	1,3-Butadiene	0.805	0.802	0.4	114	0.00
17		tert-Butyl alcohol	1.608	1.709	-6.3	111	0.00
18	T	1,1-Dichloroethene	0.569	0.604	-6.2	119	0.00
19	T	Isopropyl Alcohol	1.010	0.996	1.4	110	0.00
20	T	Methylene Chloride	0.549	0.539	1.8	117	0.00
21	T	Allyl Chloride	1.174	1.214	-3.4	110	0.00
22	T	trans-1,2-Dichloroethene	0.665	0.682	-2.6	120	0.00
23	T	Vinyl Acetate	1.742	1.709	1.9	96	0.00
24	T	1,1-Dichloroethane	1.357	1.445	-6.5	117	0.00
25	T	Ethyl Acetate	2.923	2.903	0.7	100	0.00
26	T	Hexane	1.273	1.273	0.0	102	0.00
27	T	Carbon Disulfide	1.486	1.741	-17.2	119	0.00
28	T	Methyl tert-Butyl Ether	0.765	0.745	2.6	108	0.00
29	T	Chloroform	2.386	2.490	-4.4	110	0.00
30	T	Cyclohexane	1.065	1.081	-1.5	100	0.00
31	T	cis-1,2-Dichloroethene	1.486	1.412	5.0	102	0.00
32	T	1,1,1-Trichloroethane	2.589	2.635	-1.8	112	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
34	T	2-Butanone	0.723	0.698	3.5	99	0.00
35	T	Carbon Tetrachloride	0.908	1.011	-11.3	114	0.00
36	T	Benzene	0.944	0.966	-2.3	101	0.00
37	T	1,2-Dichloroethane	0.727	0.776	-6.7	109	0.00
38	T	Trichloroethene	0.360	0.383	-6.4	103	0.01
39	T	1,2-Dichloropropane	0.353	0.338	4.2	100	0.01
40	T	1,4-Dioxane	0.165	0.155	6.1	97	0.00
41	T	Tetrahydrofuran	0.344	0.341	0.9	98	0.00
42	T	Bromodichloromethane	0.889	0.988	-11.1	110	0.01
43		Methyl Methacrylate	0.352	0.386	-9.7	99	0.01
44	T	2,2,4-Trimethylpentane	1.530	1.656	-8.2	108	0.01
45	T	t-1,3-Dichloropropene	0.462	0.495	-7.1	96	0.01
46	T	cis-1,3-Dichloropropene	0.549	0.575	-4.7	97	0.00
47	T	1,1,2-Trichloroethane	0.387	0.400	-3.4	105	0.00
48	T	Dibromochloromethane	0.654	0.713	-9.0	106	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042487.D
Acq On : 06 May 2025 09:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
LabSampleId : VSTDCCC010

Quant Time: May 07 01:35:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	Bromoform	0.549	0.634	-15.5	112	0.01
50	T	4-Methyl-2-Pentanone	0.915	0.941	-2.8	101	0.01
51	T	2-Hexanone	0.731	0.754	-3.1	98	0.00
52	T	Tetrachloroethene	0.359	0.336	6.4	103	0.00
53	T	Toluene	0.999	1.090	-9.1	100	0.01
54	T	1,2-Dibromoethane	0.592	0.625	-5.6	105	0.01
55	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
56		1,1,1,2-Tetrachloroethane	0.591	0.651	-10.2	111	0.01
57	T	Chlorobenzene	1.005	1.048	-4.3	107	0.00
58	T	Ethyl Benzene	1.671	1.910	-14.3	103	0.00
59	T	m/p-Xylene	1.401	1.676	-19.6	109	0.03
60	T	o-Xylene	1.403	1.685	-20.1	110	0.00
61	T	Styrene	0.523	0.619	-18.4	98	0.00
62		Isopropylbenzene	2.023	2.384	-17.8	109	0.00
63	T	1,1,2,2-Tetrachloroethane	0.967	1.039	-7.4	114	0.00
64		n-propylbenzene	0.495	0.570	-15.2	109	0.00
65		tert-Butylbenzene	1.806	2.169	-20.1	111	0.00
66	T	Benzyl Chloride	0.209	0.267	-27.8	107	0.00
67		sec-Butylbenzene	2.566	3.077	-19.9	112	0.00
68	S	1-Bromo-4-Fluorobenzene	0.927	1.025	-10.6	100	0.00
69		p-Isopropyltoluene	2.162	2.579	-19.3	111	0.00
70		n-Butylbenzene	2.235	2.714	-21.4	114	0.00
71		2-Chlorotoluene	1.587	1.883	-18.7	109	0.00
72	T	4-Ethyltoluene	1.654	2.055	-24.2	111	0.00
73	T	1,3,5-Trimethylbenzene	1.455	1.781	-22.4	112	0.00
74	T	1,2,4-Trimethylbenzene	1.760	2.013	-14.4	113	0.00
75	T	1,3-Dichlorobenzene	0.980	1.085	-10.7	113	0.00
76	T	1,4-Dichlorobenzene	0.927	1.104	-19.1	113	0.00
77	T	1,2-Dichlorobenzene	0.959	1.058	-10.3	114	0.00
78	T	Hexachloro-1,3-Butadiene	0.958	0.944	1.5	113	0.00
79	T	Naphthalene	1.482	1.813	-22.3	110	0.00
80	T	Naphthalene,2-methyl-	1.101	1.395	-26.7	110	0.00
81	T	1,2,4-Trichlorobenzene	0.790	0.881	-11.5	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042487.D
Acq On : 06 May 2025 09:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
LabSampleId :
VSTDCCC010

Quant Time: May 07 01:35:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	10.000	11.466	-14.7	125	0.00
3		Chlorodifluoromethane	10.000	9.883	1.2	107	0.00
4		Chloromethane	10.000	10.814	-8.1	116	0.00
5	T	Vinyl Chloride	10.000	9.847	1.5	117	0.00
6	T	Bromomethane	10.000	11.263	-12.6	126	0.00
7		Chloroethane	10.000	10.651	-6.5	115	0.00
8	T	Dichlorotetrafluoroethane	10.000	11.192	-11.9	120	0.00
9	T	Propene	10.000	8.689	13.1	92	0.00
10	T	Heptane	10.000	10.030	-0.3	100	0.00
11	T	Trichlorofluoromethane	10.000	11.700	-17.0	126	0.00
12	T	1,1,2-Trichlorotrifluoroeth	10.000	11.114	-11.1	120	0.00
13		Ethanol	10.000	7.889	21.1	112	0.00
14	T	Bromoethene	10.000	11.645	-16.4	128	0.00
15	T	Acetone	10.000	8.825	11.8	119	0.00
16	T	1,3-Butadiene	10.000	9.963	0.4	114	0.00
17		tert-Butyl alcohol	10.000	10.628	-6.3	111	0.00
18	T	1,1-Dichloroethene	10.000	10.614	-6.1	119	0.00
19	T	Isopropyl Alcohol	10.000	9.856	1.4	110	0.00
20	T	Methylene Chloride	10.000	9.829	1.7	117	0.00
21	T	Allyl Chloride	10.000	10.342	-3.4	110	0.00
22	T	trans-1,2-Dichloroethene	10.000	10.253	-2.5	120	0.00
23	T	Vinyl Acetate	10.000	9.809	1.9	96	0.00
24	T	1,1-Dichloroethane	10.000	10.651	-6.5	117	0.00
25	T	Ethyl Acetate	10.000	9.931	0.7	100	0.00
26	T	Hexane	10.000	9.993	0.1	102	0.00
27	T	Carbon Disulfide	10.000	11.716	-17.2	119	0.00
28	T	Methyl tert-Butyl Ether	10.000	9.740	2.6	108	0.00
29	T	Chloroform	10.000	10.435	-4.4	110	0.00
30	T	Cyclohexane	10.000	10.153	-1.5	100	0.00
31	T	cis-1,2-Dichloroethene	10.000	9.503	5.0	102	0.00
32	T	1,1,1-Trichloroethane	10.000	10.179	-1.8	112	0.00
33	I	1,4-Difluorobenzene	10.000	10.000	0.0	93	0.00
34	T	2-Butanone	10.000	9.645	3.6	99	0.00
35	T	Carbon Tetrachloride	10.000	11.127	-11.3	114	0.00
36	T	Benzene	10.000	10.233	-2.3	101	0.00
37	T	1,2-Dichloroethane	10.000	10.669	-6.7	109	0.00
38	T	Trichloroethene	10.000	10.630	-6.3	103	0.01
39	T	1,2-Dichloropropane	10.000	9.570	4.3	100	0.01
40	T	1,4-Dioxane	10.000	9.396	6.0	97	0.00
41	T	Tetrahydrofuran	10.000	9.932	0.7	98	0.00
42	T	Bromodichloromethane	10.000	11.113	-11.1	110	0.01
43		Methyl Methacrylate	10.000	10.960	-9.6	99	0.01
44	T	2,2,4-Trimethylpentane	10.000	10.824	-8.2	108	0.01
45	T	t-1,3-Dichloropropene	10.000	10.719	-7.2	96	0.01
46	T	cis-1,3-Dichloropropene	10.000	10.473	-4.7	97	0.00
47	T	1,1,2-Trichloroethane	10.000	10.320	-3.2	105	0.00
48	T	Dibromochloromethane	10.000	10.899	-9.0	106	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042487.D
Acq On : 06 May 2025 09:00
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
LabSampleId : VSTDCCC010

Quant Time: May 07 01:35:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	Bromoform	10.000	11.565	-15.6	112	0.01
50	T	4-Methyl-2-Pentanone	10.000	10.283	-2.8	101	0.01
51	T	2-Hexanone	10.000	10.308	-3.1	98	0.00
52	T	Tetrachloroethene	10.000	9.354	6.5	103	0.00
53	T	Toluene	10.000	10.913	-9.1	100	0.01
54	T	1,2-Dibromoethane	10.000	10.548	-5.5	105	0.01
55	I	Chlorobenzene-d5	10.000	10.000	0.0	93	0.00
56		1,1,1,2-Tetrachloroethane	10.000	11.016	-10.2	111	0.01
57	T	Chlorobenzene	10.000	10.428	-4.3	107	0.00
58	T	Ethyl Benzene	10.000	11.431	-14.3	103	0.00
59	T	m/p-Xylene	20.000	23.920	-19.6	109	0.03
60	T	o-Xylene	10.000	12.013	-20.1	110	0.00
61	T	Styrene	10.000	11.828	-18.3	98	0.00
62		Isopropylbenzene	10.000	11.784	-17.8	109	0.00
63	T	1,1,2,2-Tetrachloroethane	10.000	10.748	-7.5	114	0.00
64		n-propylbenzene	10.000	11.517	-15.2	109	0.00
65		tert-Butylbenzene	10.000	12.010	-20.1	111	0.00
66	T	Benzyl Chloride	10.000	12.798	-28.0	107	0.00
67		sec-Butylbenzene	10.000	11.992	-19.9	112	0.00
68	S	1-Bromo-4-Fluorobenzene	10.000	11.051	-10.5	100	0.00
69		p-Isopropyltoluene	10.000	11.931	-19.3	111	0.00
70		n-Butylbenzene	10.000	12.144	-21.4	114	0.00
71		2-Chlorotoluene	10.000	11.862	-18.6	109	0.00
72	T	4-Ethyltoluene	10.000	12.424	-24.2	111	0.00
73	T	1,3,5-Trimethylbenzene	10.000	12.248	-22.5	112	0.00
74	T	1,2,4-Trimethylbenzene	10.000	11.441	-14.4	113	0.00
75	T	1,3-Dichlorobenzene	10.000	11.074	-10.7	113	0.00
76	T	1,4-Dichlorobenzene	10.000	11.906	-19.1	113	0.00
77	T	1,2-Dichlorobenzene	10.000	11.034	-10.3	114	0.00
78	T	Hexachloro-1,3-Butadiene	10.000	9.859	1.4	113	0.00
79	T	Naphthalene	10.000	12.239	-22.4	110	0.00
80	T	Naphthalene,2-methyl-	10.000	12.673	-26.7	110	0.00
81	T	1,2,4-Trichlorobenzene	10.000	11.147	-11.5	105	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\VL050625\
Data File : VL042488.D
Acq On : 06 May 2025 09:49
Operator : SY/MD
Sample : VL0506ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABL01

Quant Time: May 07 01:36:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

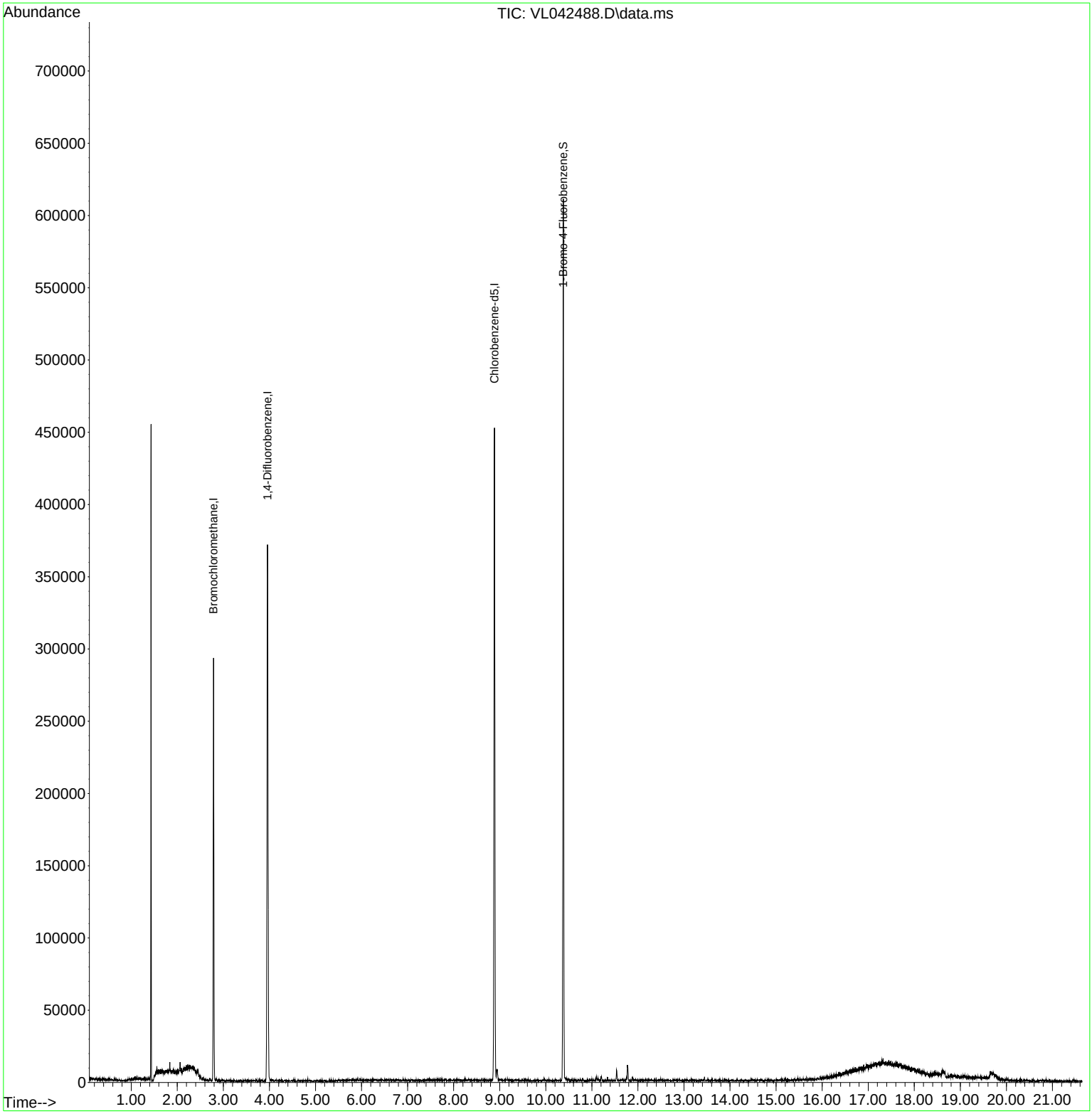
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	71766	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	194806	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	158449	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	146316	9.960	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.600%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042488.D
Acq On : 06 May 2025 09:49
Operator : SY/MD
Sample : VL0506ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABL01

Quant Time: May 07 01:36:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042489.D
Acq On : 06 May 2025 10:44
Operator : SY/MD
Sample : VL0506ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 01:36:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	68512	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.962	114	189766	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.888	117	162176	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.380	95	162347	10.797	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	128425	11.327	ppbv		99
3) Chlorodifluoromethane	1.476	51	120834	10.080	ppbv		98
4) Chloromethane	1.531	50	51363	10.839	ppbv		94
5) Vinyl Chloride	1.580	62	50552	10.596	ppbv		95
6) Bromomethane	1.667	94	24844	11.021	ppbv	#	81
7) Chloroethane	1.706	64	19253	10.929	ppbv		98
8) Dichlorotetrafluoroethane	1.554	85	108256	11.583	ppbv		99
9) Propene	1.483	41	36687	9.357	ppbv		100
10) Heptane	4.985	43	108748	10.693	ppbv		99
11) Trichlorofluoromethane	1.878	101	118964	11.371	ppbv		97
12) 1,1,2-Trichlorotrifluo...	2.140	101	92491	11.072	ppbv		97
13) Ethanol	1.722	45	5717	7.185	ppbv		96
14) Bromoethene	1.781	108	35036	11.361	ppbv		99
15) Acetone	1.836	43	110911	8.868	ppbv		98
16) 1,3-Butadiene	1.609	39	57769	10.473	ppbv		100
17) tert-Butyl alcohol	2.043	59	121629	11.038	ppbv		98
18) 1,1-Dichloroethene	2.033	96	41573	10.658	ppbv		91
19) Isopropyl Alcohol	1.887	45	70143	10.133	ppbv		100
20) Methylene Chloride	2.062	84	38025	10.113	ppbv		97
21) Allyl Chloride	2.095	41	87030	10.820	ppbv		98
22) trans-1,2-Dichloroethene	2.341	96	46194	10.140	ppbv		92
23) Vinyl Acetate	2.463	43	122507	10.263	ppbv		99
24) 1,1-Dichloroethane	2.408	63	99878	10.747	ppbv		98
25) Ethyl Acetate	2.839	43	207809	10.377	ppbv		99
26) Hexane	2.826	57	94005	10.775	ppbv		95
27) Carbon Disulfide	2.150	76	118732	11.662	ppbv	#	89
28) Methyl tert-Butyl Ether	2.441	73	52295	9.977	ppbv		97
29) Chloroform	2.849	83	178140	10.896	ppbv		98
30) Cyclohexane	3.858	84	78419	10.751	ppbv		98
31) cis-1,2-Dichloroethene	2.722	61	102999	10.119	ppbv		97
32) 1,1,1-Trichloroethane	3.370	97	185042	10.433	ppbv		99
34) 2-Butanone	2.561	43	135534	9.874	ppbv		95
35) Carbon Tetrachloride	3.765	117	192452	11.164	ppbv		96
36) Benzene	3.658	78	188082	10.503	ppbv		96
37) 1,2-Dichloroethane	3.221	62	150741	10.922	ppbv		99
38) Trichloroethene	4.554	130	75153	11.005	ppbv		97
39) 1,2-Dichloropropane	4.315	63	67616	10.086	ppbv		92
40) 1,4-Dioxane	4.583	88	30720	9.786	ppbv	#	100
41) Tetrahydrofuran	3.056	42	66397	10.179	ppbv		98
42) Bromodichloromethane	4.496	83	188247	11.163	ppbv		96
43) Methyl Methacrylate	4.888	69	73710	11.030	ppbv		95
44) 2,2,4-Trimethylpentane	4.642	57	317017	10.921	ppbv		99
45) t-1,3-Dichloropropene	6.419	75	95245	10.864	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042489.D
Acq On : 06 May 2025 10:44
Operator : SY/MD
Sample : VL0506ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 01:36:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	112024	10.751	ppbv	96
47) 1,1,2-Trichloroethane	6.590	97	80000	10.880	ppbv	99
48) Dibromochloromethane	7.390	129	137019	11.039	ppbv	99
49) Bromoform	9.487	173	115649	11.110	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	179961	10.365	ppbv	97
51) 2-Hexanone	7.441	43	143801	10.359	ppbv #	99
52) Tetrachloroethene	8.228	164	61852	9.074	ppbv	94
53) Toluene	6.940	91	211514	11.159	ppbv	99
54) 1,2-Dibromoethane	7.655	107	119785	10.656	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.927	131	107810	11.256	ppbv	99
57) Chlorobenzene	8.927	112	170186	10.444	ppbv	98
58) Ethyl Benzene	9.361	91	316187	11.667	ppbv	100
59) m/p-Xylene	9.555	91	546871m	24.069	ppbv	
60) o-Xylene	9.966	91	275574	12.114	ppbv	98
61) Styrene	9.875	104	100944	11.891	ppbv	95
62) Isopropylbenzene	10.542	105	386743	11.786	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	168155	10.722	ppbv	99
64) n-propylbenzene	10.992	120	95485	11.906	ppbv	98
65) tert-Butylbenzene	11.536	119	347665	11.872	ppbv	97
66) Benzyl Chloride	11.617	91	44409	13.121	ppbv	96
67) sec-Butylbenzene	11.772	105	500648	12.031	ppbv	99
69) p-Isopropyltoluene	11.931	119	418184	11.927	ppbv	99
70) n-Butylbenzene	12.283	91	439757	12.133	ppbv	99
71) 2-Chlorotoluene	10.905	91	304635	11.836	ppbv	99
72) 4-Ethyltoluene	11.128	105	332254	12.388	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	285001	12.082	ppbv	94
74) 1,2,4-Trimethylbenzene	11.539	105	326996	11.457	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	176191	11.089	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	173576	11.543	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	171125	11.003	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	153031	9.854	ppbv	99
79) Naphthalene	13.517	128	289175	12.036	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	236741	13.257	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	142190	11.096	ppbv	98

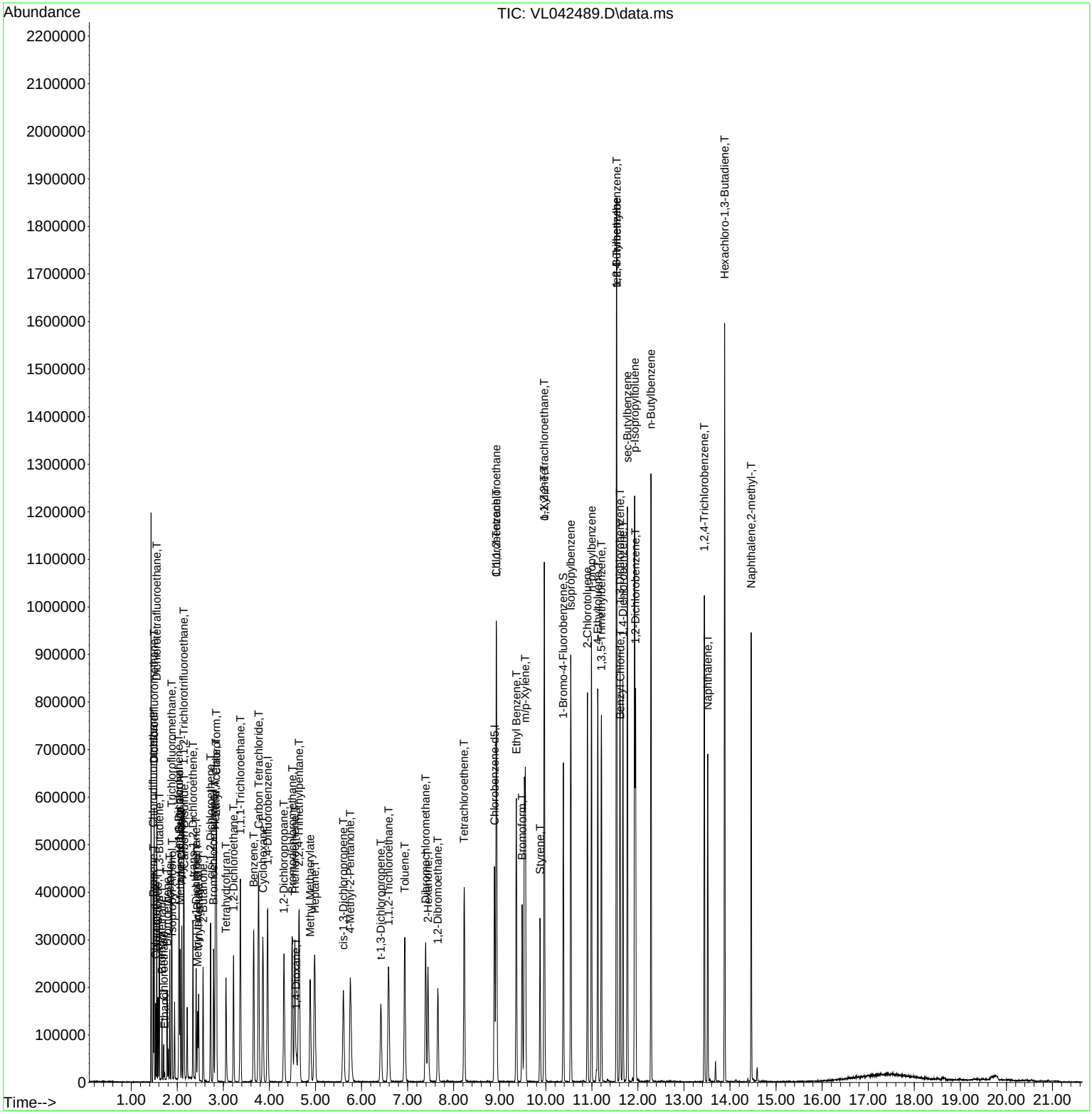
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042489.D
Acq On : 06 May 2025 10:44
Operator : SY/MD
Sample : VL0506ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 01:36:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042492.D
Acq On : 06 May 2025 12:19
Operator : SY/MD
Sample : QC042225 CAN 10669
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC042225 CAN 10669

Quant Time: May 07 01:38:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

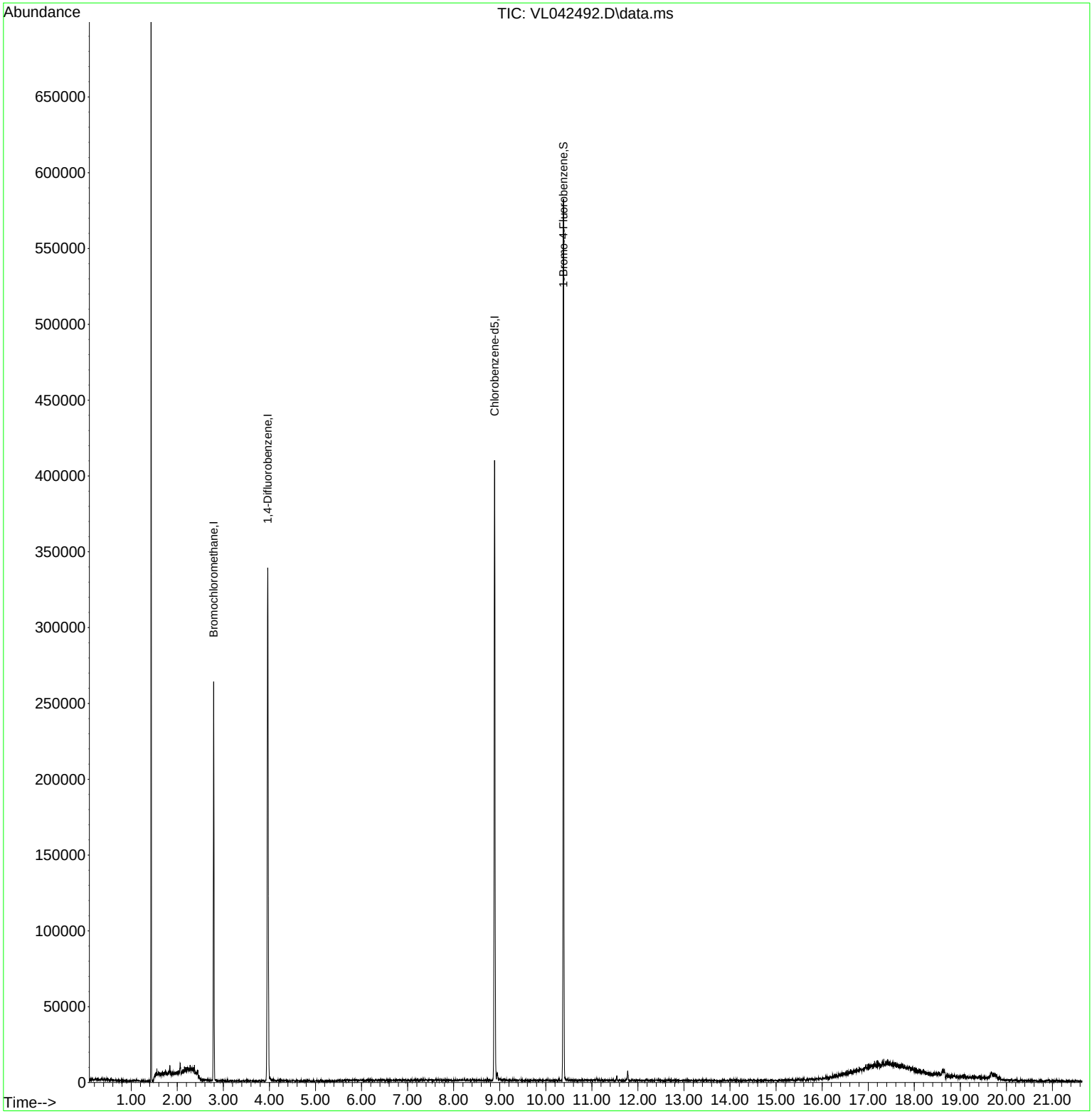
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	63187	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	172595	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	143665	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	131884	9.901	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.000%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042492.D
Acq On : 06 May 2025 12:19
Operator : SY/MD
Sample : QC042225 CAN 10669
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC042225 CAN 10669

Quant Time: May 07 01:38:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042493.D
Acq On : 06 May 2025 12:51
Operator : SY/MD
Sample : QC042325 CAN 10683
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC042325 CAN 10683

Quant Time: May 07 01:38:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

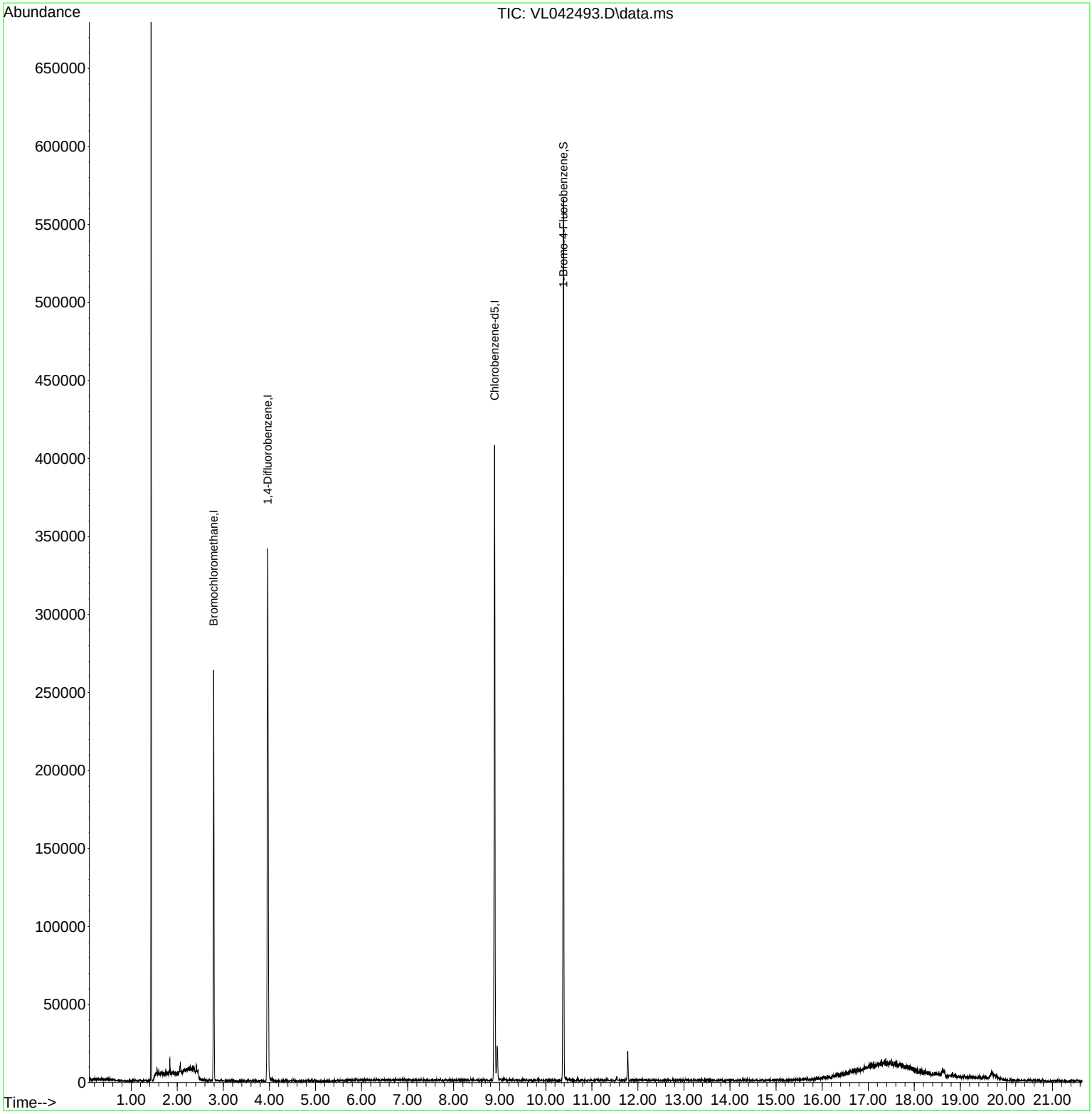
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	64869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	169609	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	142696	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	128799	9.735	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.400%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042493.D
Acq On : 06 May 2025 12:51
Operator : SY/MD
Sample : QC042325 CAN 10683
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC042325 CAN 10683

Quant Time: May 07 01:38:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration



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

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL050125

Review By	Semsettin Yesilyurt	Review On	5/2/2025 7:59:23 AM				
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:55:39 PM				
SubDirectory	VL050125	HP Acquire Method	TO15AIR.M	HP Processing Method	VL050125AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2603
Initial Calibration Stds	AP2606,AP2607,AP2608
CCC	AP2606
Internal Standard/PEM	AP2603
ICV/I.BLK	AP2609
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042457.D	01 May 2025 08:19	SY/MD	Ok
2	VSTDICCC010	VL042458.D	01 May 2025 09:03	SY/MD	Ok,M
3	VSTDICC002	VL042459.D	01 May 2025 09:37	SY/MD	Ok,M
4	VSTDICC001	VL042460.D	01 May 2025 10:08	SY/MD	Ok,M
5	VSTDICC0.5	VL042461.D	01 May 2025 10:40	SY/MD	Ok,M
6	VSTDICC0.1	VL042462.D	01 May 2025 11:12	SY/MD	Ok,M
7	VSTDICC0.03	VL042463.D	01 May 2025 11:44	SY/MD	Not Ok
8	VSTDICC0.03	VL042464.D	01 May 2025 12:15	SY/MD	Not Ok
9	VSTDICC015	VL042465.D	01 May 2025 12:49	SY/MD	Ok,M
10	VSTDICC0.03	VL042466.D	01 May 2025 14:10	SY/MD	Ok,M
11	VSTDICV010	VL042467.D	01 May 2025 15:46	SY/MD	Ok,M

M : Manual Integration

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 # VL050625

Review By	Semsettin Yesilyurt	Review On	5/9/2025 2:37:46 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/9/2025 2:51:31 PM		
SubDirectory	VL050625	HP Acquire Method	TO15AIR.M	HP Processing Method	VL050125AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2603
Initial Calibration Stds	AP2606,AP2607,AP2608
CCC	AP2606
Internal Standard/PEM	AP2603
ICV/I.BLK	AP2609
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042486.D	06 May 2025 08:16	SY/MD	Ok
2	VSTDCCC010	VL042487.D	06 May 2025 09:00	SY/MD	Ok,M
3	VL0506ABL01	VL042488.D	06 May 2025 09:49	SY/MD	Ok
4	VL0506ABS01	VL042489.D	06 May 2025 10:44	SY/MD	Ok,M
5	QC043025 CAN 10605	VL042490.D	06 May 2025 11:15	SY/MD	Ok
6	QC042925 CAN 10590	VL042491.D	06 May 2025 11:47	SY/MD	Ok
7	QC042225 CAN 10669	VL042492.D	06 May 2025 12:19	SY/MD	Ok
8	QC042325 CAN 10683	VL042493.D	06 May 2025 12:51	SY/MD	Ok
9	QC0429325 CAN 10458	VL042494.D	06 May 2025 13:23	SY/MD	Ok
10	MDL1 0.45	VL042495.D	06 May 2025 14:26	SY/MD	Ok,M
11	MDL2 0.45	VL042496.D	06 May 2025 14:57	SY/MD	Ok,M
12	MDL3 0.45	VL042497.D	06 May 2025 15:29	SY/MD	Not Ok
13	MDL1 0.03	VL042498.D	06 May 2025 16:01	SY/MD	Ok,M
14	MDL2 0.03	VL042499.D	06 May 2025 16:32	SY/MD	Not Ok
15	MDL3 0.03	VL042500.D	06 May 2025 17:04	SY/MD	Ok,M
16	MDL1 0.40	VL042501.D	06 May 2025 17:36	SY/MD	Ok,M
17	MDL2 0.40	VL042502.D	06 May 2025 18:07	SY/MD	Ok,M
18	MDL3 0.40	VL042503.D	06 May 2025 18:39	SY/MD	Ok,M
19	MDL1 0.1	VL042504.D	06 May 2025 19:10	SY/MD	Ok,M
20	MDL2 0.1	VL042505.D	06 May 2025 19:42	SY/MD	Ok,M
21	MDL3 0.1	VL042506.D	06 May 2025 20:13	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 # VL050625

Review By	Semsettin Yesilyurt	Review On	5/9/2025 2:37:46 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/9/2025 2:51:31 PM				
SubDirectory	VL050625	HP Acquire Method	TO15AIR.M	HP Processing Method	VL050125AIR.M		

STD. NAME	STD REF.#
Tune/Reschk	AP2603
Initial Calibration Stds	AP2606,AP2607,AP2608
CCC	AP2606
Internal Standard/PEM	AP2603
ICV/I.BLK	AP2609
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC010	VL042507.D	06 May 2025 20:45	SY/MD	Ok,M

M : Manual Integration

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043203.D
Acq On : 18 Nov 2025 09:29
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Nov 19 00:48:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	110490	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	296493	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	247761	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	180529	9.941	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	7723	0.496	ppbv	99
3) Chlorodifluoromethane	1.473	51	8538	0.557	ppbv #	82
4) Chloromethane	1.531	50	2881	0.494	ppbv	94
5) Vinyl Chloride	1.580	62	2947	0.462	ppbv #	87
6) Bromomethane	1.667	94	1656	0.536	ppbv	97
7) Chloroethane	1.703	64	1357	0.547	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	6386	0.493	ppbv	100
9) Propene	1.483	41	3739	0.526	ppbv #	1
10) Heptane	4.972	43	5844	0.300	ppbv #	28
11) Trichlorofluoromethane	1.878	101	6841	0.453	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.140	101	5863	0.497	ppbv	99
13) Ethanol	1.719	45	1190	0.520	ppbv	64
14) Bromoethene	1.781	108	2476	0.548	ppbv #	75
15) Acetone	1.836	43	9506	0.619	ppbv #	88
16) 1,3-Butadiene	1.606	39	4115	0.601	ppbv	95
17) tert-Butyl alcohol	2.043	59	9854	0.489	ppbv #	68
18) 1,1-Dichloroethene	2.033	96	3068	0.559	ppbv	96
19) Isopropyl Alcohol	1.887	45	4687	0.540	ppbv #	51
20) Methylene Chloride	2.059	84	5006	0.349	ppbv	92
21) Allyl Chloride	2.095	41	6291	0.609	ppbv	95
22) trans-1,2-Dichloroethene	2.337	96	3343	0.533	ppbv	80
23) Vinyl Acetate	2.464	43	10414	0.562	ppbv #	92
24) 1,1-Dichloroethane	2.409	63	5803	0.479	ppbv #	96
25) Ethyl Acetate	2.839	43	13478	0.406	ppbv #	84
26) Hexane	2.823	57	7589	0.523	ppbv #	91
27) Carbon Disulfide	2.150	76	7198	0.486	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	3545	0.498	ppbv #	15
29) Chloroform	2.849	83	10800	0.523	ppbv	95
30) Cyclohexane	3.849	84	6271	0.515	ppbv	85
31) cis-1,2-Dichloroethene	2.719	61	7728	0.536	ppbv	87
32) 1,1,1-Trichloroethane	3.363	97	10886	0.490	ppbv	98
34) 2-Butanone	2.557	43	11026	0.527	ppbv	95
35) Carbon Tetrachloride	3.761	117	11551	0.513	ppbv	94
36) Benzene	3.655	78	14759	0.520	ppbv #	91
37) 1,2-Dichloroethane	3.218	62	8477	0.510	ppbv #	93
38) Trichloroethene	4.542	130	5775	0.519	ppbv #	87
39) 1,2-Dichloropropane	4.312	63	5510	0.530	ppbv #	80
40) 1,4-Dioxane	4.597	88	1334	0.286	ppbv #	40
41) Tetrahydrofuran	3.059	42	6193	0.536	ppbv	95
42) Bromodichloromethane	4.490	83	11597	0.506	ppbv #	84
43) Methyl Methacrylate	4.865	69	2151	0.143	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	25890	0.531	ppbv	95
45) t-1,3-Dichloropropene	6.412	75	7343	0.523	ppbv	94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043203.D
Acq On : 18 Nov 2025 09:29
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Nov 19 00:48:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

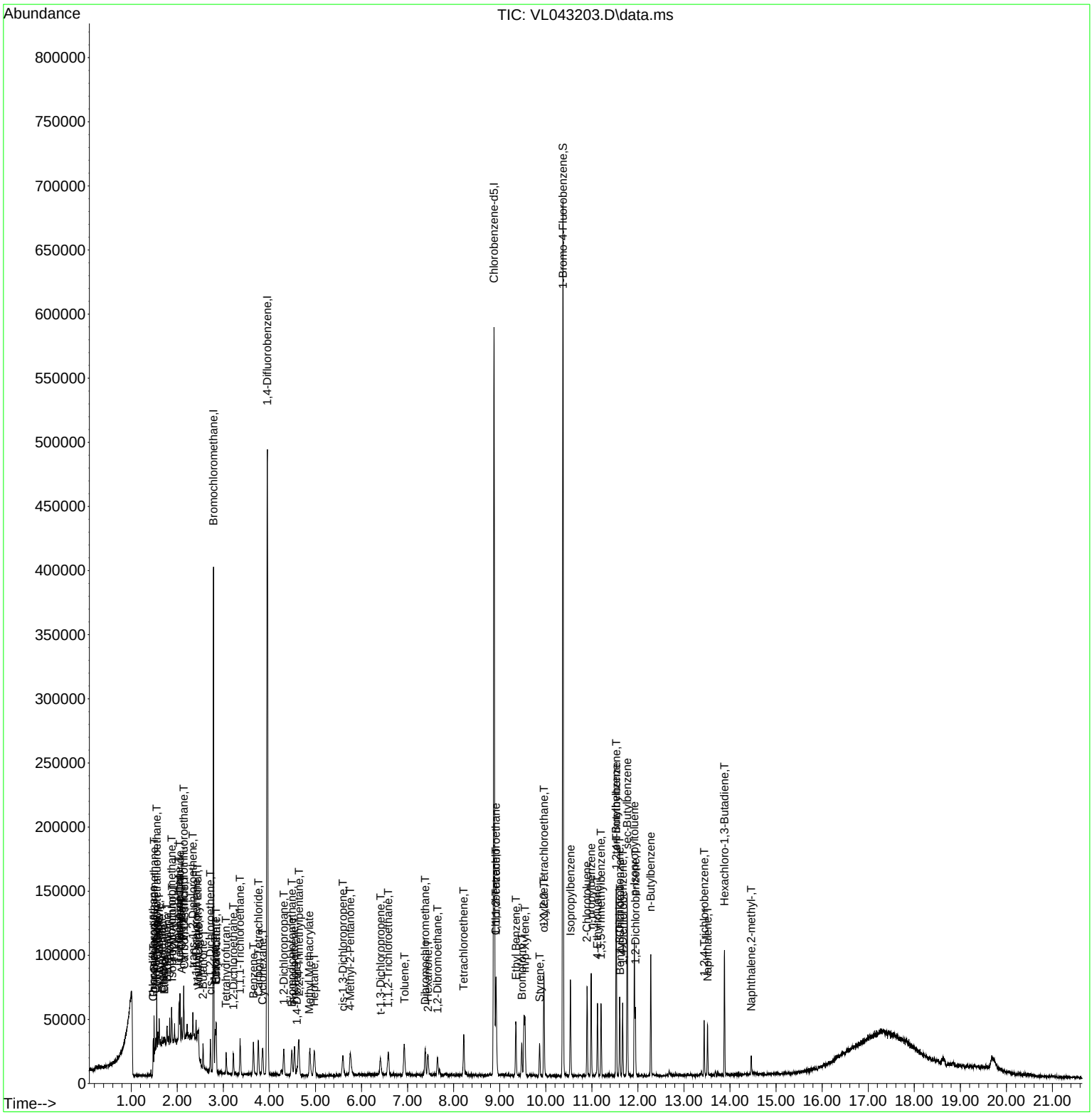
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.593	75	7004	0.425	ppbv	#	87
47)	1,1,2-Trichloroethane	6.581	97	3211	0.290	ppbv	#	64
48)	Dibromochloromethane	7.380	129	9327	0.492	ppbv		97
49)	Bromoform	9.481	173	8636	0.514	ppbv		100
50)	4-Methyl-2-Pentanone	5.755	43	15190	0.515	ppbv		92
51)	2-Hexanone	7.442	43	11594	0.506	ppbv	#	93
52)	Tetrachloroethene	8.218	164	5097	0.483	ppbv	#	82
53)	Toluene	6.933	91	6863	0.203	ppbv	#	21
54)	1,2-Dibromoethane	7.649	107	8708	0.537	ppbv		90
56)	1,1,1,2-Tetrachloroethane	8.917	131	5419	0.298	ppbv	#	34
57)	Chlorobenzene	8.917	112	12818	0.504	ppbv		98
58)	Ethyl Benzene	9.351	91	23866	0.500	ppbv		96
59)	m/p-Xylene	9.549	91	19470	0.507	ppbv	#	24
60)	o-Xylene	9.956	91	19621	0.514	ppbv		100
61)	Styrene	9.869	104	8287	0.496	ppbv		96
62)	Isopropylbenzene	10.536	105	34773	0.509	ppbv		98
63)	1,1,2,2-Tetrachloroethane	9.960	83	12591	0.519	ppbv		100
64)	n-propylbenzene	10.986	120	8945	0.509	ppbv		100
65)	tert-Butylbenzene	11.526	119	31998	0.524	ppbv		99
66)	Benzyl Chloride	11.610	91	3403	0.550	ppbv		98
67)	sec-Butylbenzene	11.766	105	44448	0.522	ppbv		97
69)	p-Isopropyltoluene	11.921	119	37087	0.514	ppbv		100
70)	n-Butylbenzene	12.277	91	33153	0.474	ppbv		94
71)	2-Chlorotoluene	10.895	91	27224	0.518	ppbv		99
72)	4-Ethyltoluene	11.122	105	23963	0.515	ppbv		97
73)	1,3,5-Trimethylbenzene	11.199	105	20104	0.515	ppbv		99
74)	1,2,4-Trimethylbenzene	11.533	105	22254	0.522	ppbv		91
75)	1,3-Dichlorobenzene	11.604	146	12926	0.520	ppbv		98
76)	1,4-Dichlorobenzene	11.672	146	13076	0.526	ppbv		98
77)	1,2-Dichlorobenzene	11.947	146	12069	0.505	ppbv		97
78)	Hexachloro-1,3-Butadiene	13.879	225	10578	0.530	ppbv		98
79)	Naphthalene	13.513	128	18377	0.486	ppbv		97
80)	Naphthalene,2-methyl-	14.462	142	4917	0.495	ppbv		91
81)	1,2,4-Trichlorobenzene	13.439	180	6798	0.402	ppbv		97

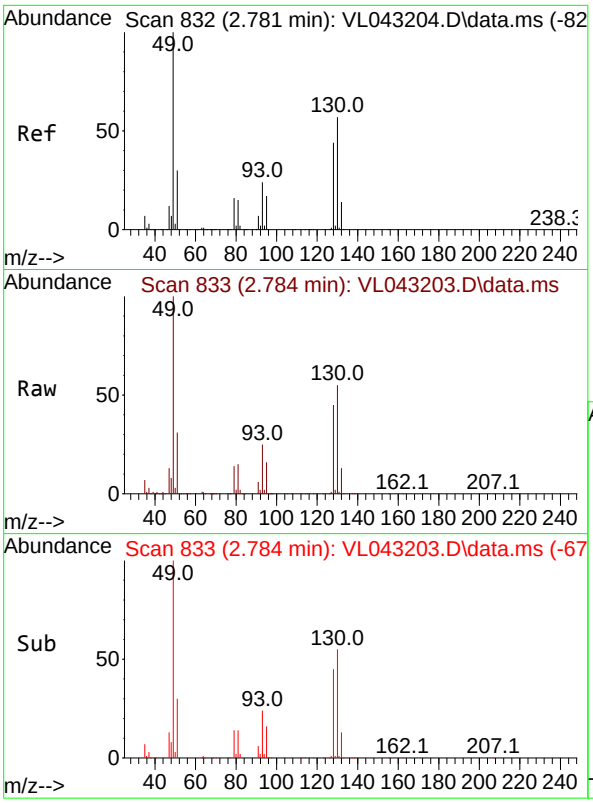
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043203.D
Acq On : 18 Nov 2025 09:29
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Nov 19 00:48:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



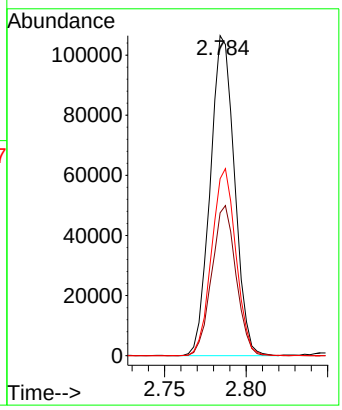


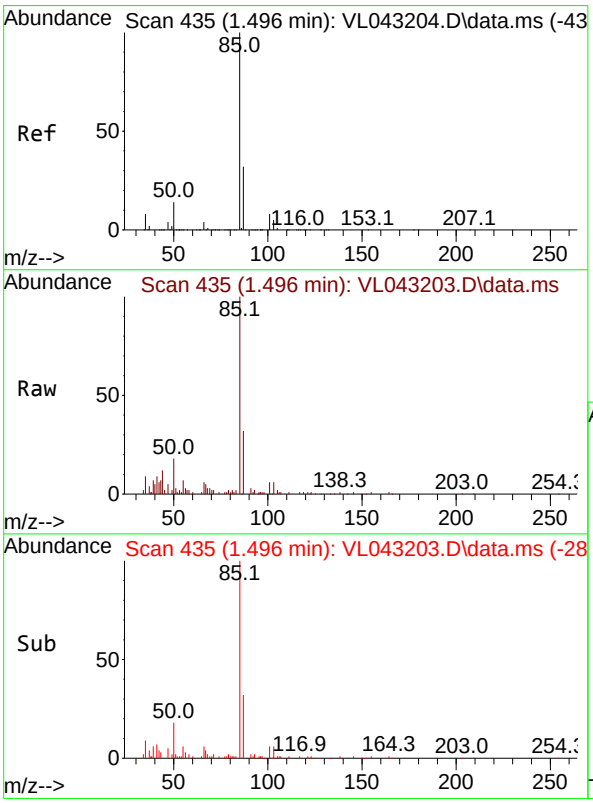
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 110490

Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.0	69.0
130	58.4	29.9	89.7

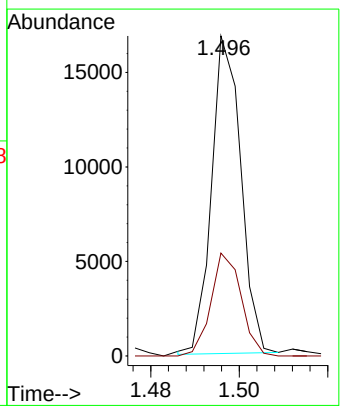


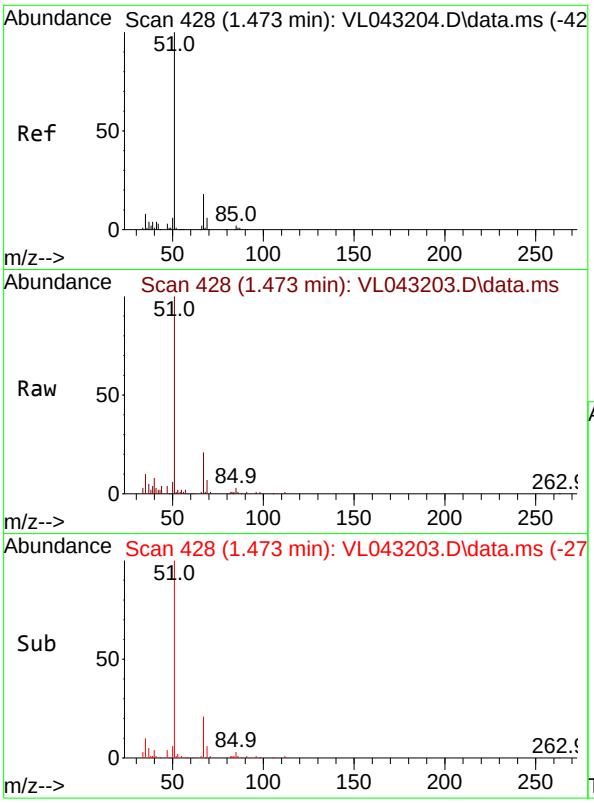


#2
Dichlorodifluoromethane
Concen: 0.496 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 7723

Ion	Ratio	Lower	Upper
85	100		
87	32.5	25.4	38.2



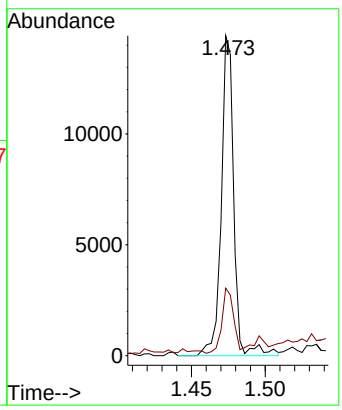


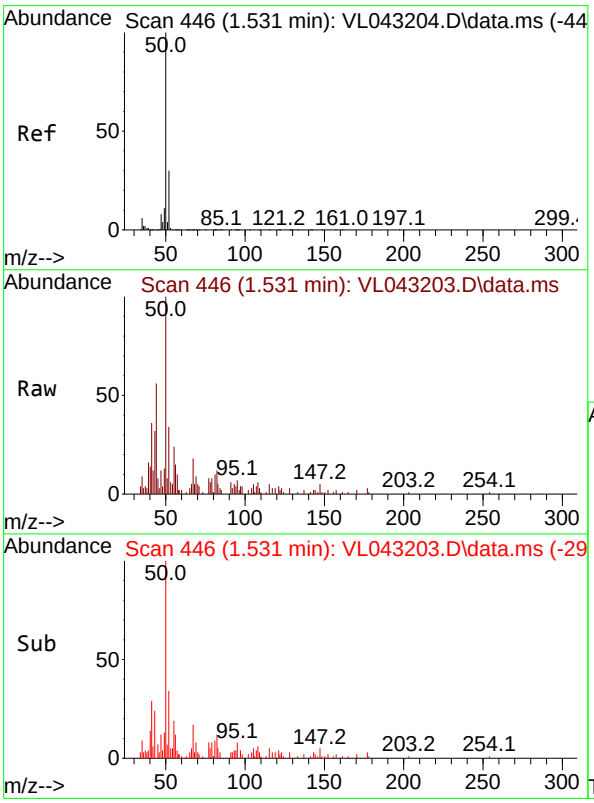
#3
Chlorodifluoromethane
Concen: 0.557 ppbv
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 8538

Ion	Ratio	Lower	Upper
51	100		
67	26.4	14.9	22.3#

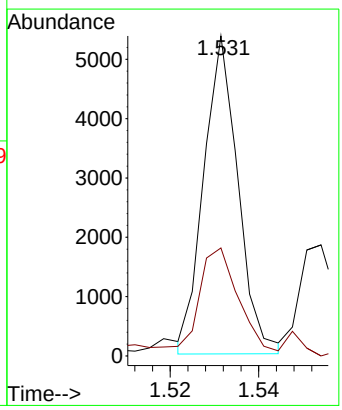


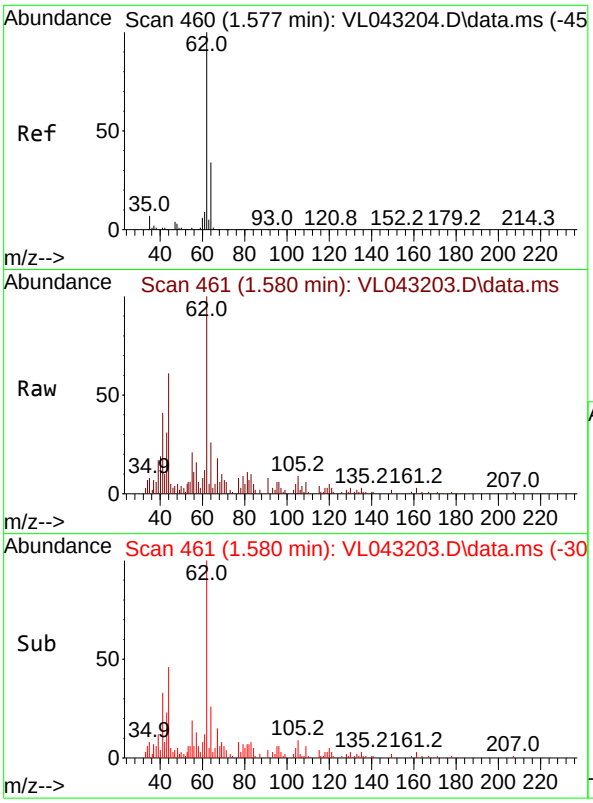


#4
Chloromethane
Concen: 0.494 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 50 Resp: 2881

Ion	Ratio	Lower	Upper
50	100		
52	33.5	24.1	36.1



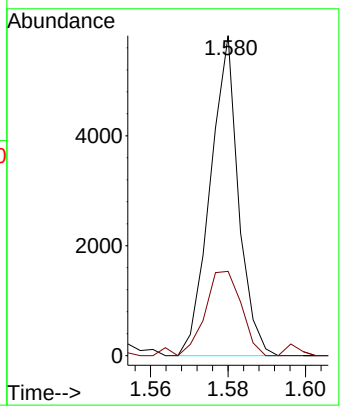


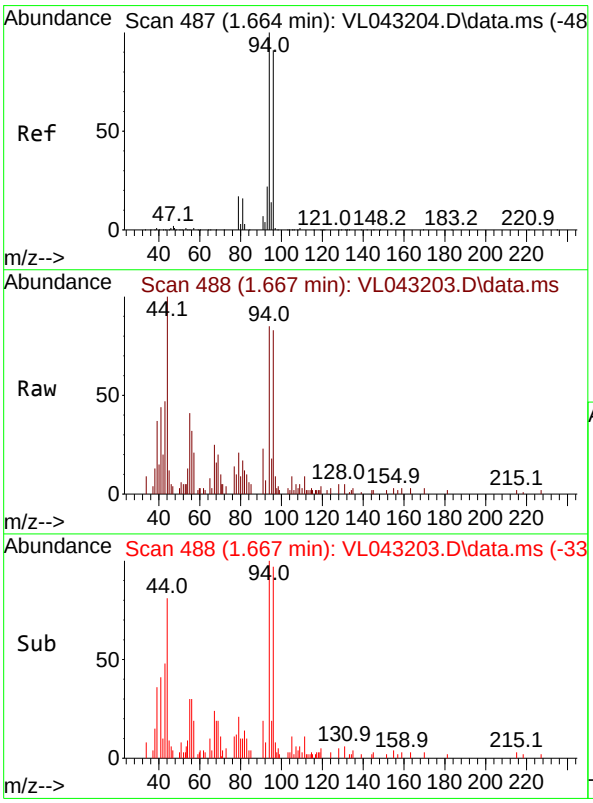
#5
Vinyl Chloride
Concen: 0.462 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 2947

Ion	Ratio	Lower	Upper
62	100		
64	26.4	27.3	40.9#

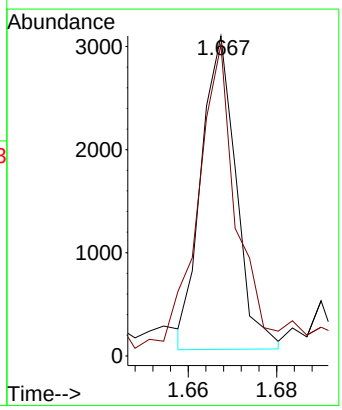


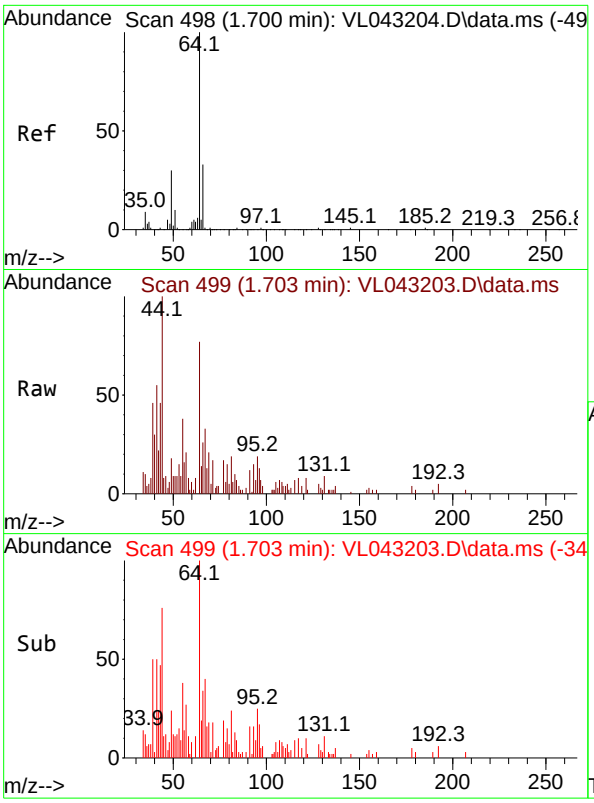


#6
Bromomethane
Concen: 0.536 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 94 Resp: 1656

Ion	Ratio	Lower	Upper
94	100		
96	93.9	72.9	109.3



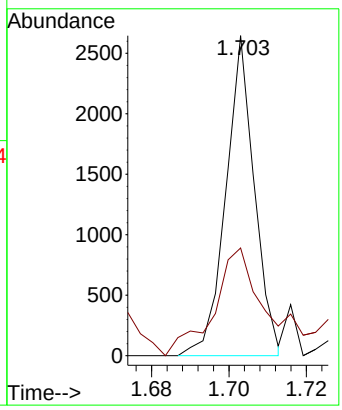


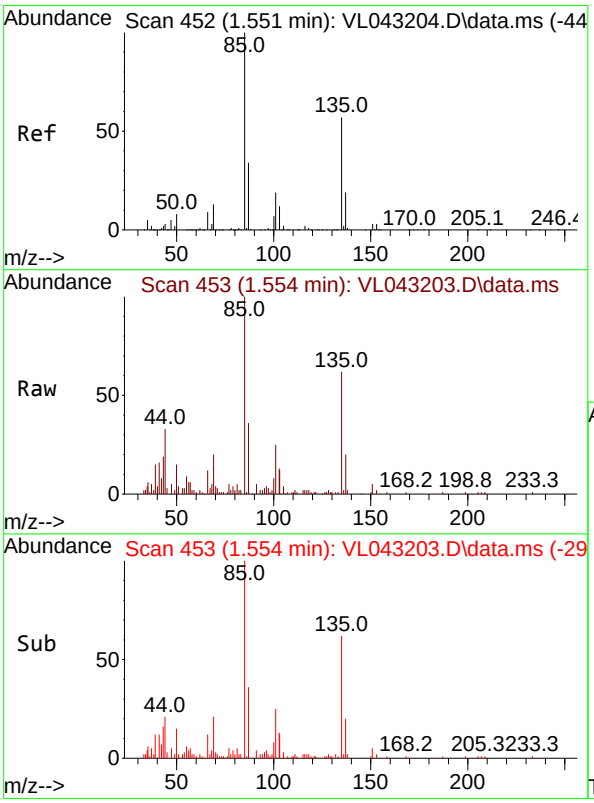
#7
Chloroethane
Concen: 0.547 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 1357

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.8	40.2

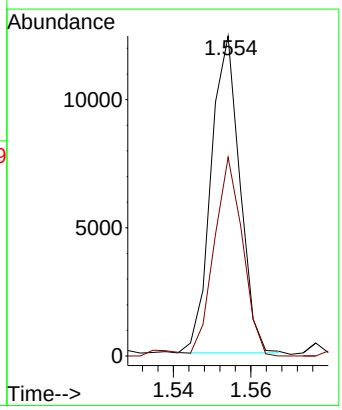


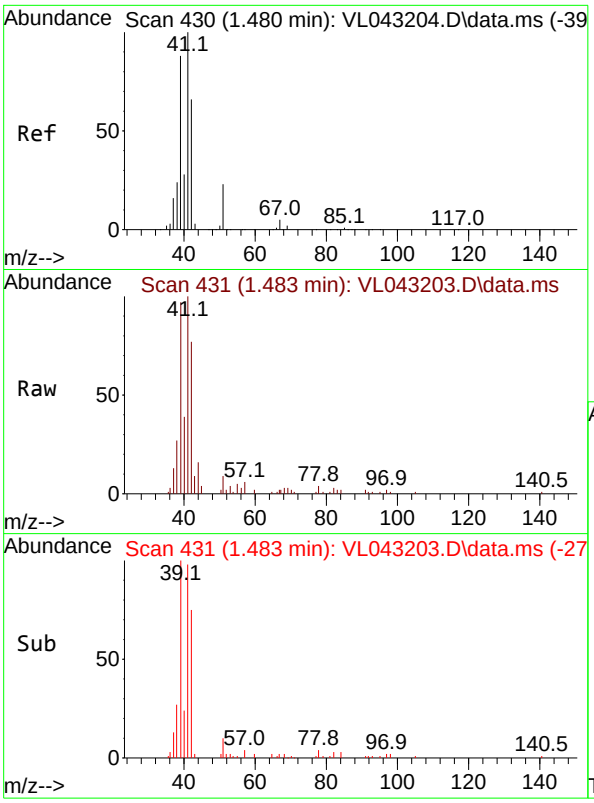


#8
Dichlorotetrafluoroethane
Concen: 0.493 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 85 Resp: 6386

Ion	Ratio	Lower	Upper
85	100		
135	65.8	52.6	79.0



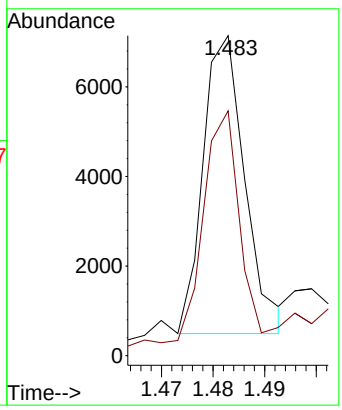


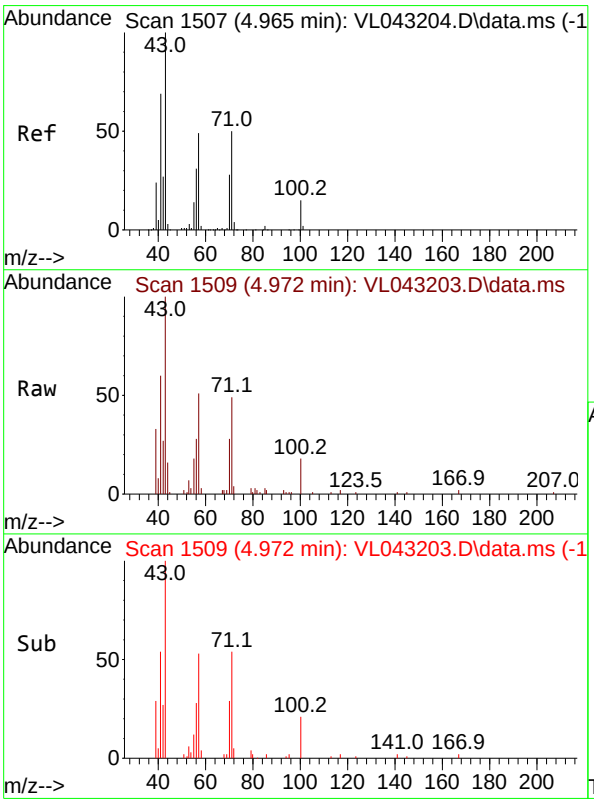
#9
Propene
Concen: 0.526 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 3739

Ion	Ratio	Lower	Upper
41	100		
42	121.9	3.7	5.5#

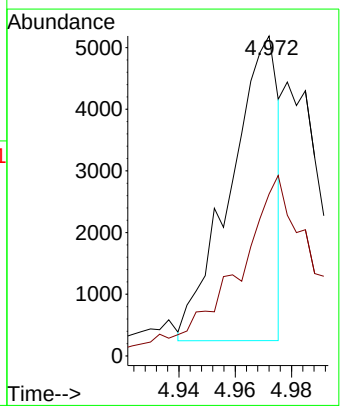


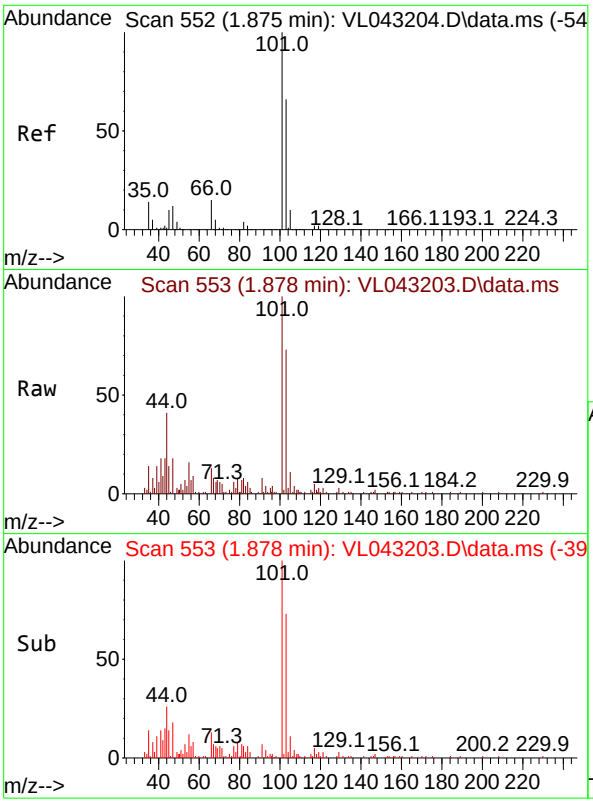


#10
Heptane
Concen: 0.300 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 5844

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#



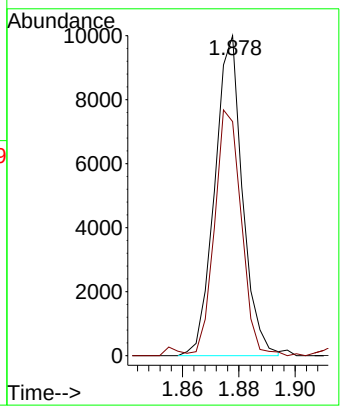


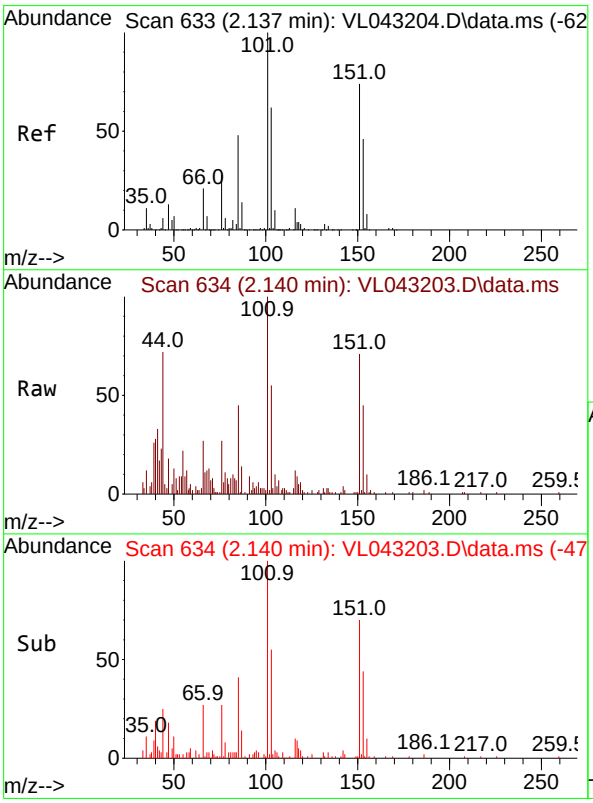
#11
Trichlorofluoromethane
Concen: 0.453 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 6841

Ion	Ratio	Lower	Upper
101	100		
103	71.8	52.6	79.0

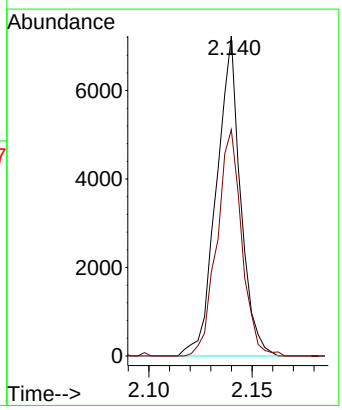


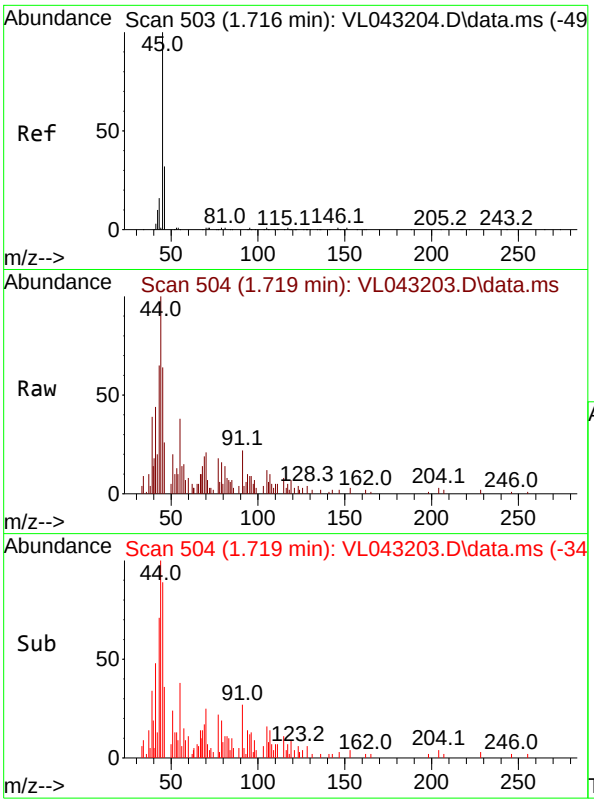


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.497 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:101 Resp: 5863

Ion	Ratio	Lower	Upper
101	100		
151	72.8	59.2	88.8



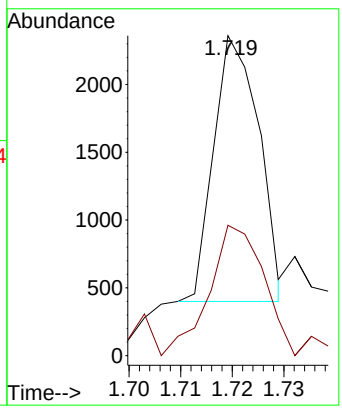


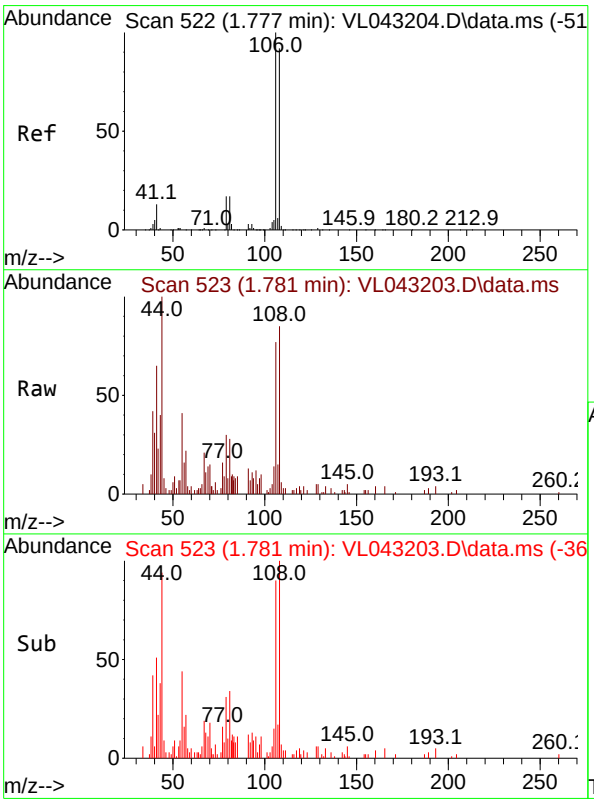
#13
Ethanol
Concen: 0.520 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 1190

Ion	Ratio	Lower	Upper
45	100		
46	58.7	15.0	59.8

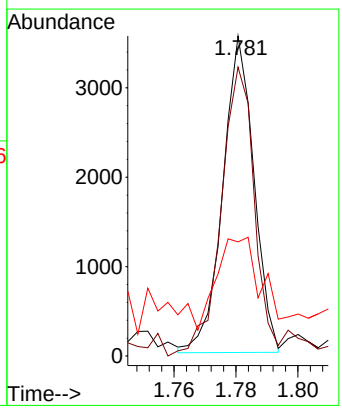


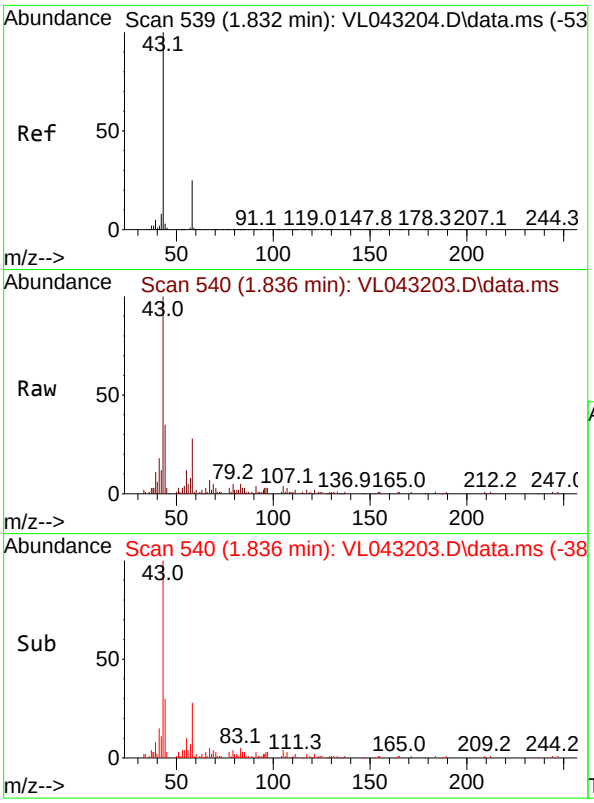


#14
Bromoethene
Concen: 0.548 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:108 Resp: 2476

Ion	Ratio	Lower	Upper
108	100		
106	126.4	88.9	133.3
79	58.5	16.5	24.7#



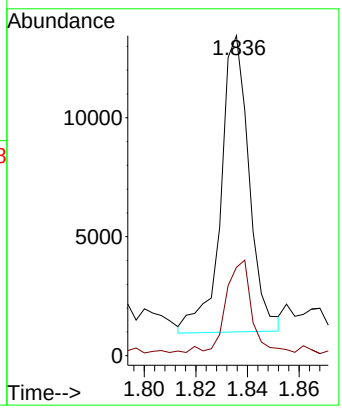


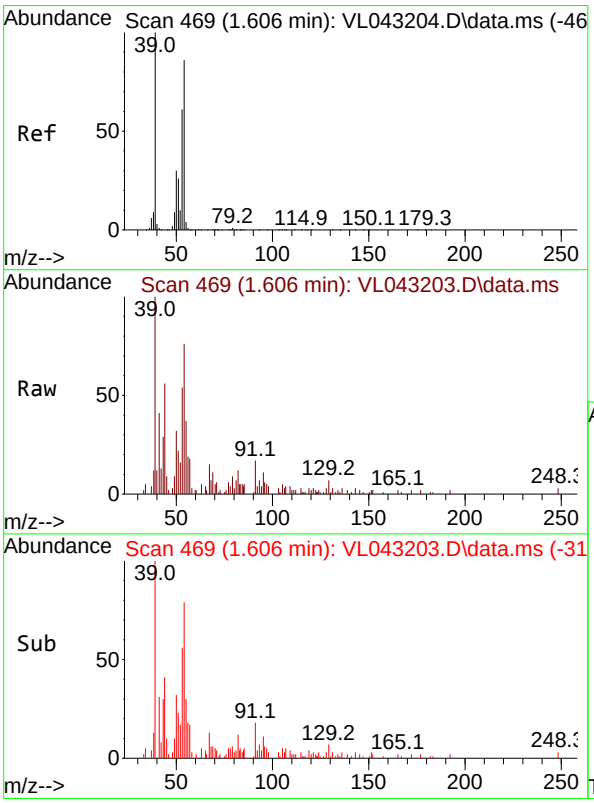
#15
Acetone
Concen: 0.619 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 9506

Ion	Ratio	Lower	Upper
43	100		
58	32.0	20.7	31.1#

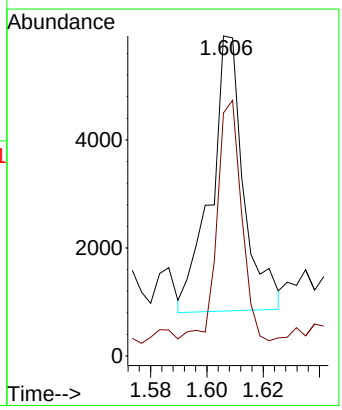


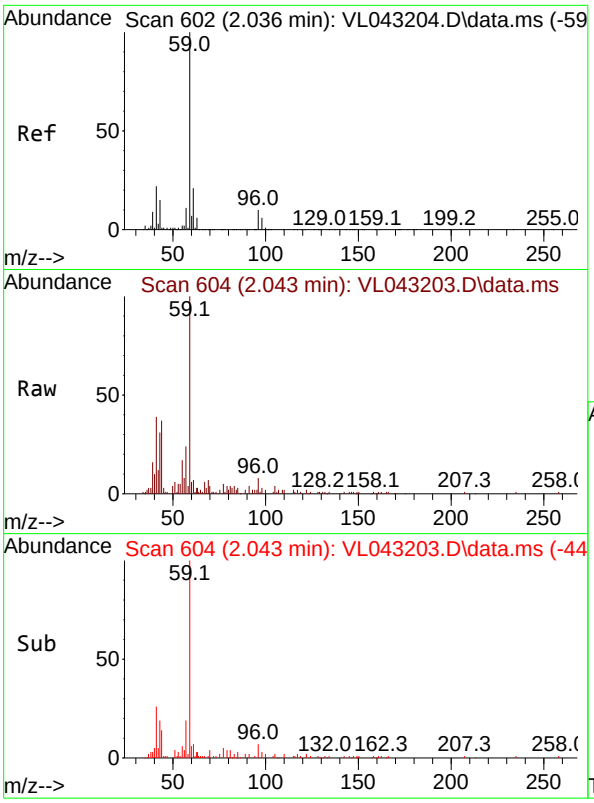


#16
1,3-Butadiene
Concen: 0.601 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 39 Resp: 4115

Ion	Ratio	Lower	Upper
39	100		
54	70.0	59.4	89.2



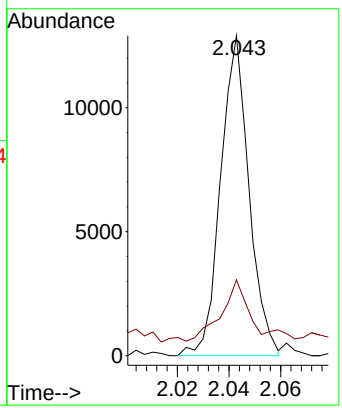


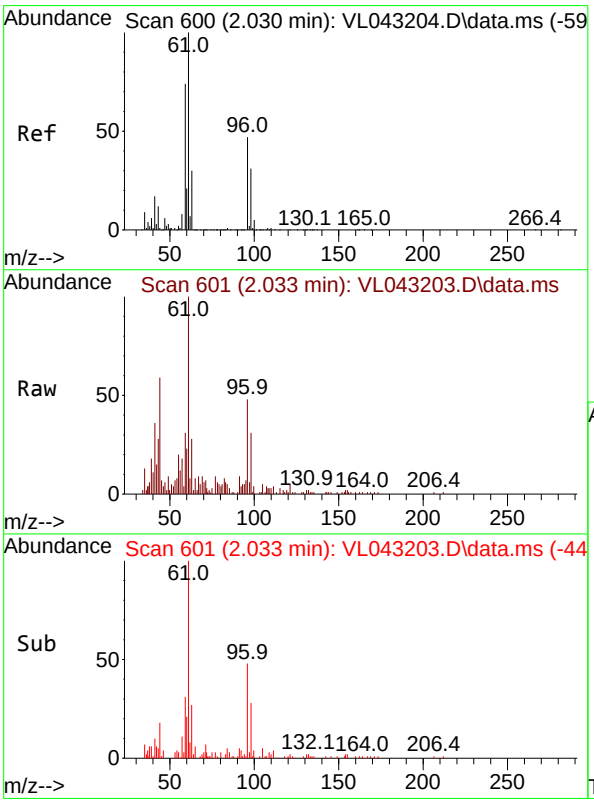
#17
tert-Butyl alcohol
Concen: 0.489 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 9854

Ion	Ratio	Lower	Upper
59	100		
57	23.3	9.0	13.4#

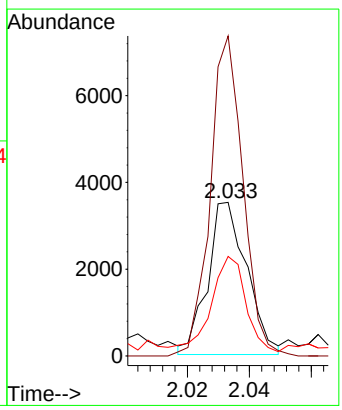


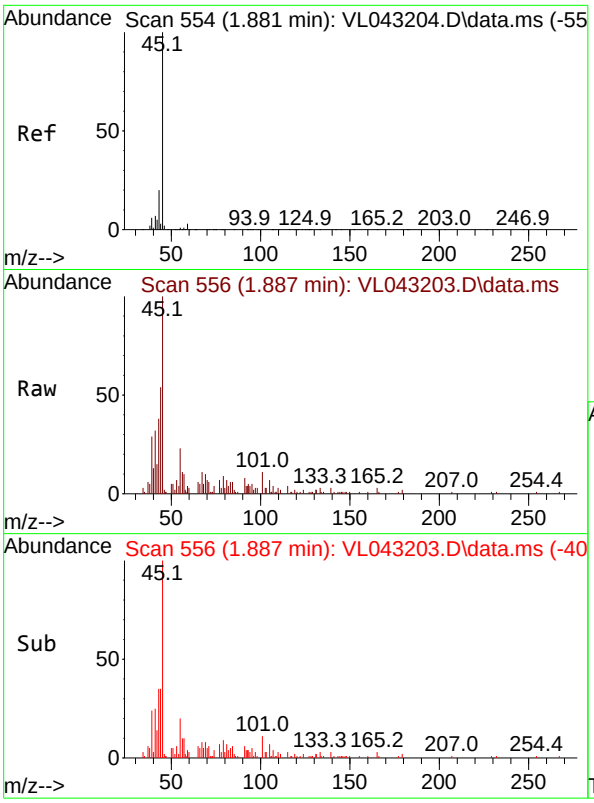


#18
1,1-Dichloroethene
Concen: 0.559 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 96 Resp: 3068

Ion	Ratio	Lower	Upper
96	100		
61	220.0	170.6	255.8
98	66.3	52.2	78.4



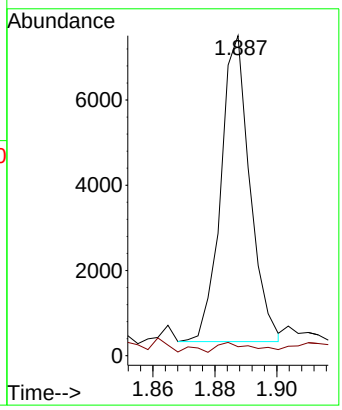


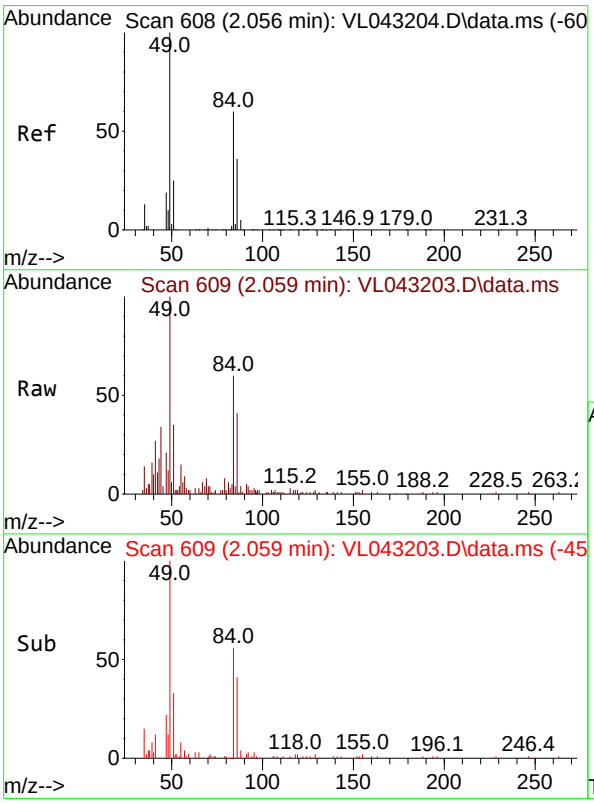
#19
Isopropyl Alcohol
Concen: 0.540 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 4687

Ion	Ratio	Lower	Upper
45	100		
58	9.0	31.3	46.9#

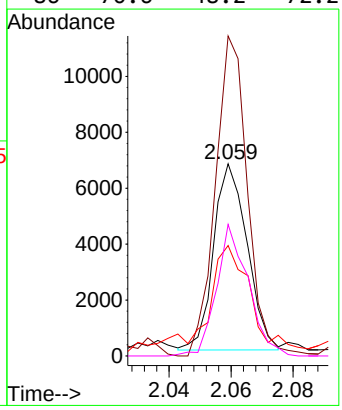


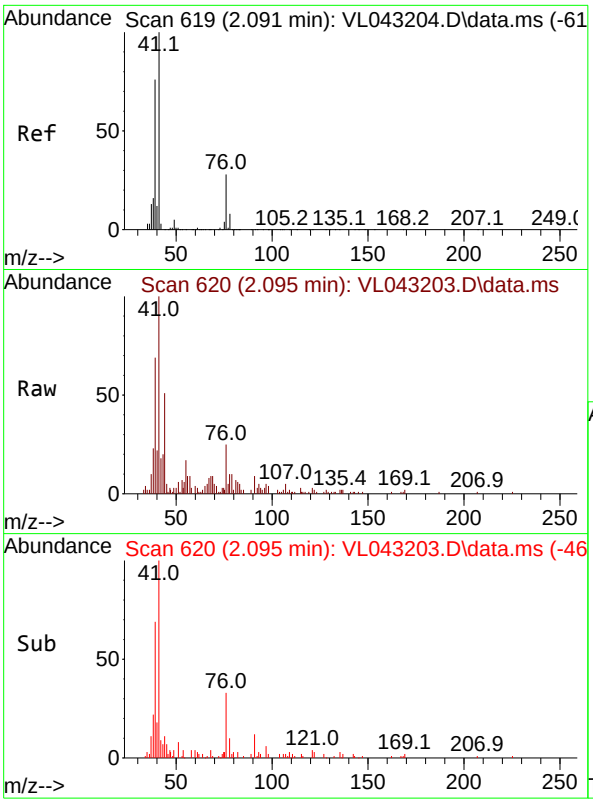


#20
Methylene Chloride
Concen: 0.349 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 5006

Ion	Ratio	Lower	Upper
84	100		
49	173.9	132.9	199.3
51	48.8	34.8	52.2
86	70.6	48.2	72.2



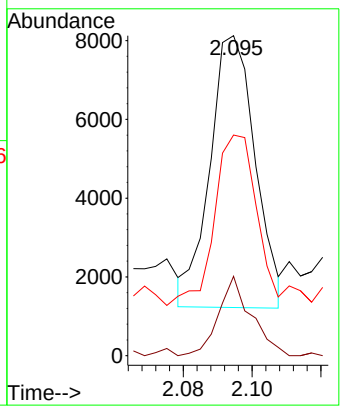


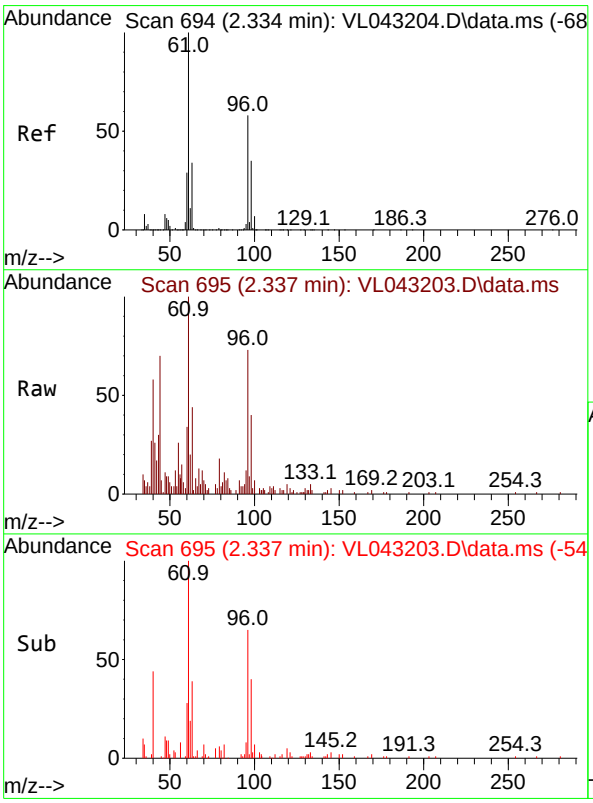
#21
Allyl Chloride
Concen: 0.609 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 6291

Ion	Ratio	Lower	Upper
41	100		
76	22.2	22.1	33.1
39	73.5	61.0	91.4

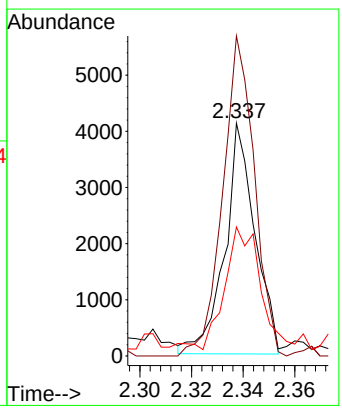


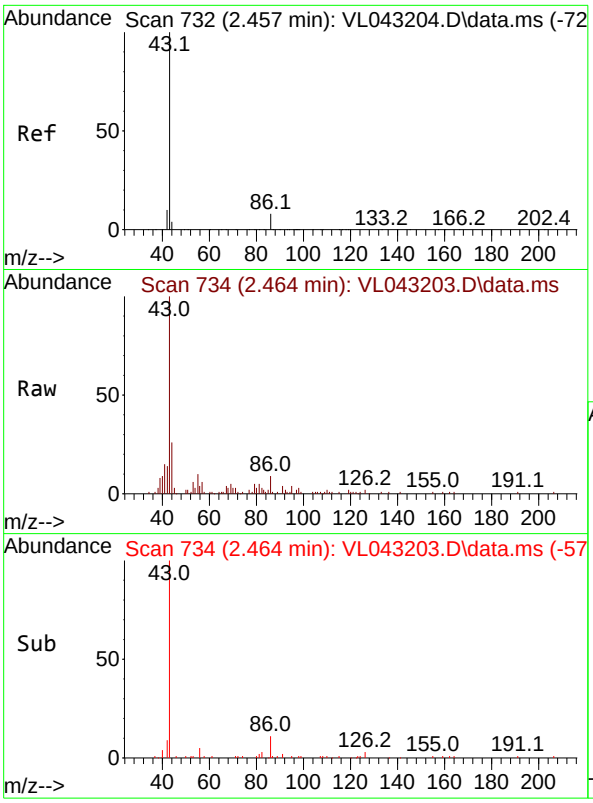


#22
trans-1,2-Dichloroethene
Concen: 0.533 ppbv
RT: 2.337 min Scan# 695
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 96 Resp: 3343

Ion	Ratio	Lower	Upper
96	100		
61	141.8	139.0	208.6
98	51.7	49.4	74.2



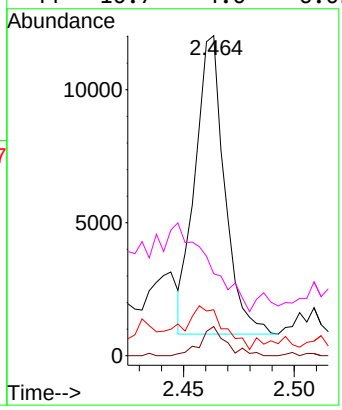


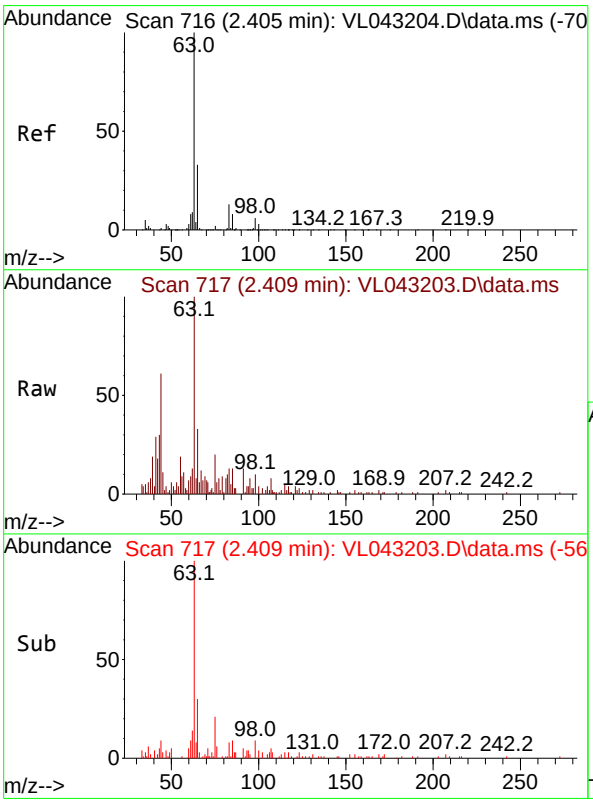
#23
Vinyl Acetate
Concen: 0.562 ppbv
RT: 2.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 10414

Ion	Ratio	Lower	Upper
43	100		
86	10.8	6.2	9.2#
42	11.4	8.0	12.0
44	10.7	4.0	6.0#

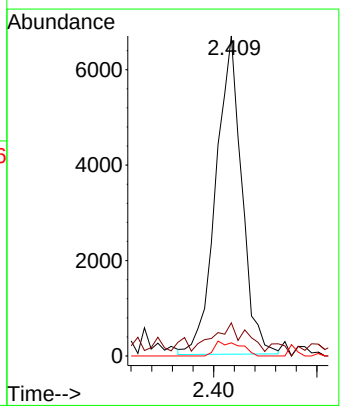


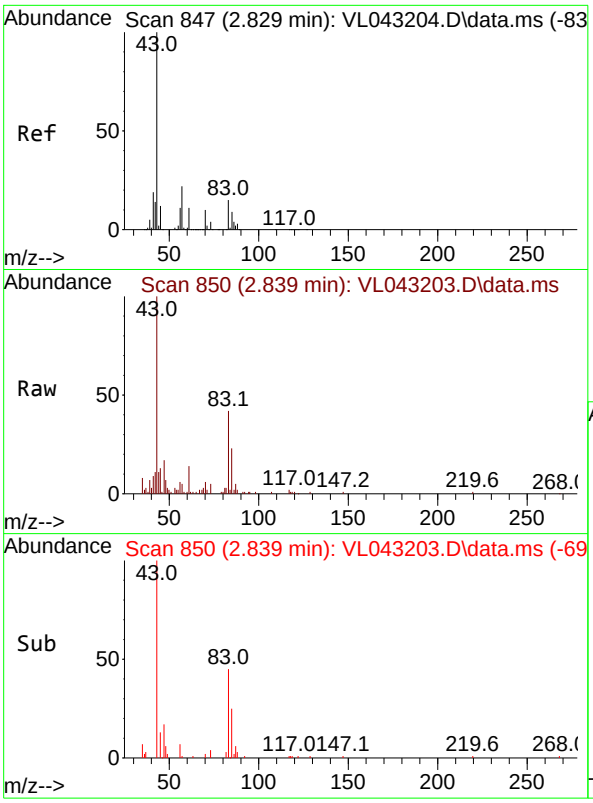


#24
1,1-Dichloroethane
Concen: 0.479 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 63 Resp: 5803

Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.8	8.4
100	4.2	1.3	3.9#



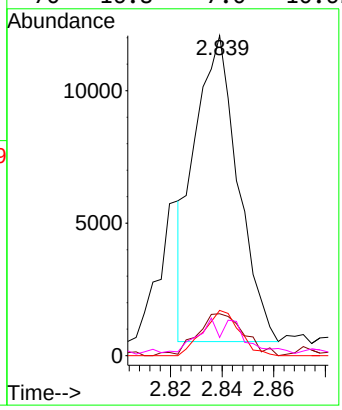


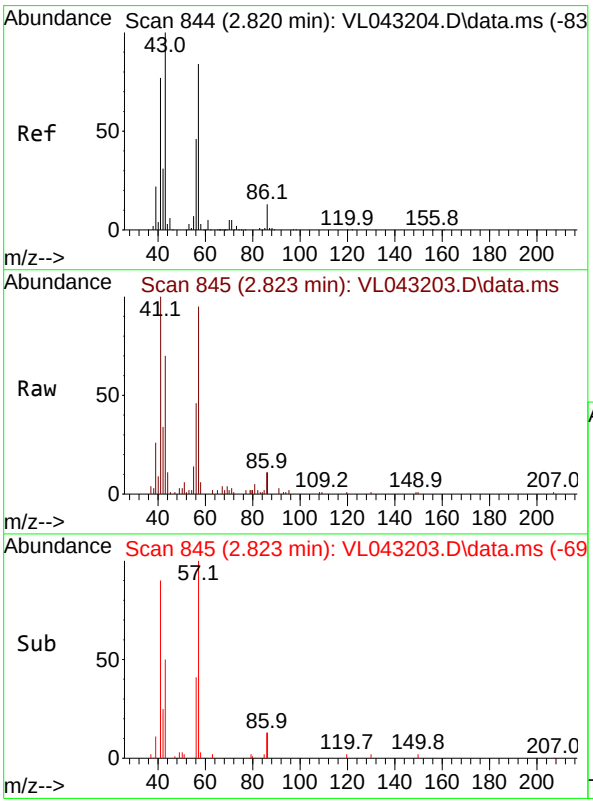
#25
Ethyl Acetate
Concen: 0.406 ppbv
RT: 2.839 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 13478

Ion	Ratio	Lower	Upper
43	100		
45	15.5	8.1	12.1#
61	12.4	7.0	10.4#
70	16.8	7.0	10.6#

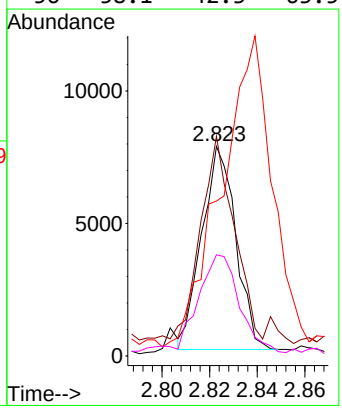


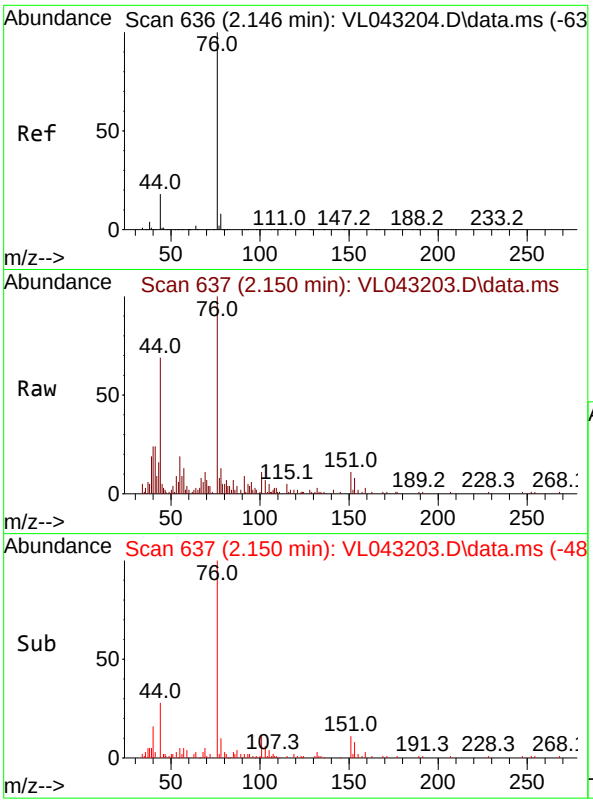


#26
Hexane
Concen: 0.523 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 57 Resp: 7589

Ion	Ratio	Lower	Upper
57	100		
41	114.6	74.6	111.8#
43	229.7	179.0	268.4
56	58.1	42.3	63.5



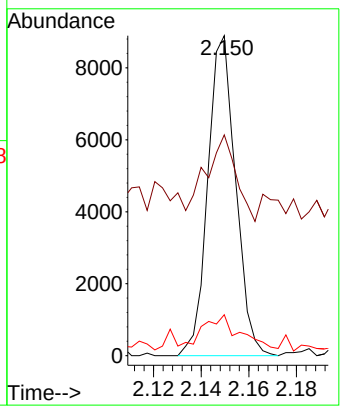


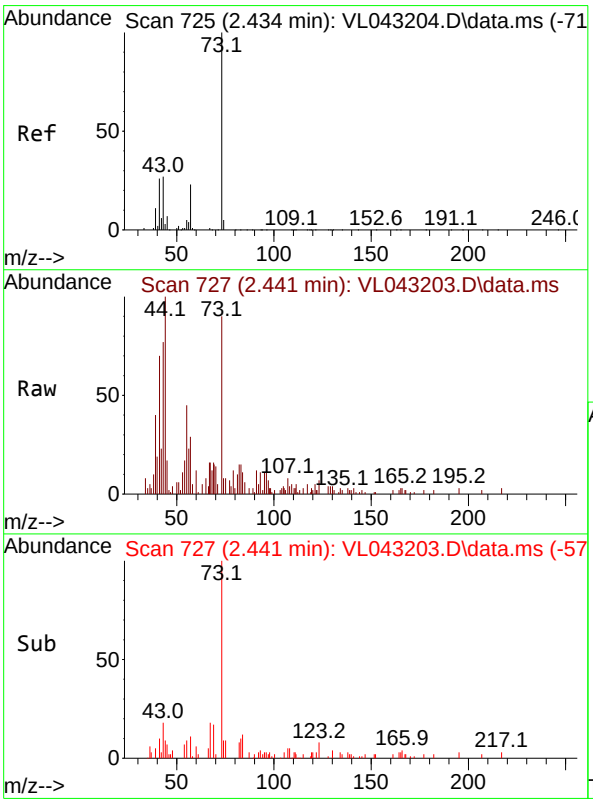
#27
Carbon Disulfide
Concen: 0.486 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 7198

Ion	Ratio	Lower	Upper
76	100		
44	115.9	16.1	24.1#
78	26.4	9.6	14.4#

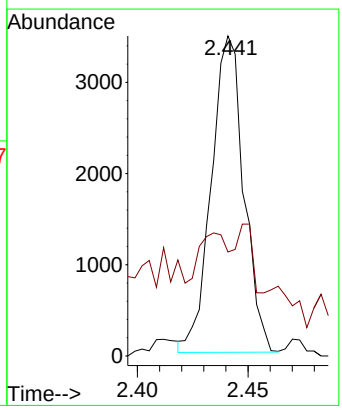


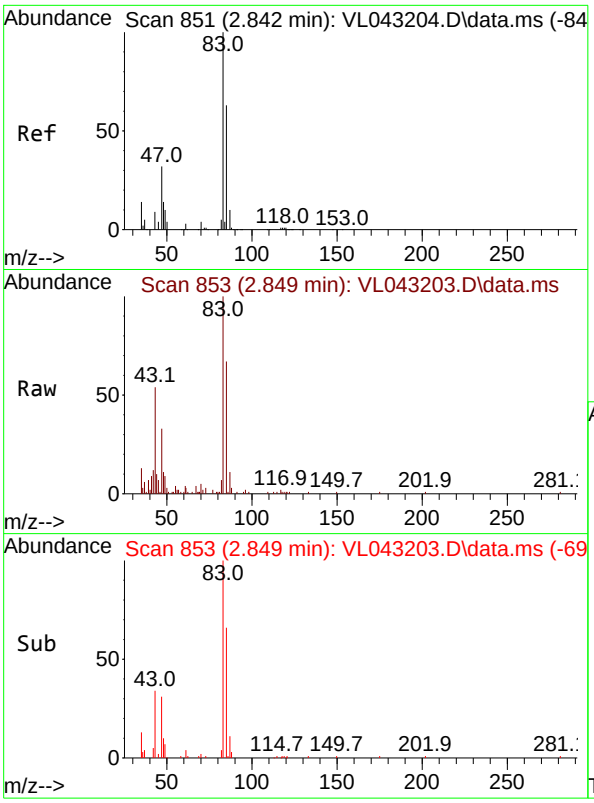


#28
Methyl tert-Butyl Ether
Concen: 0.498 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 73 Resp: 3545

Ion	Ratio	Lower	Upper
73	100		
57	67.2	19.8	29.8#



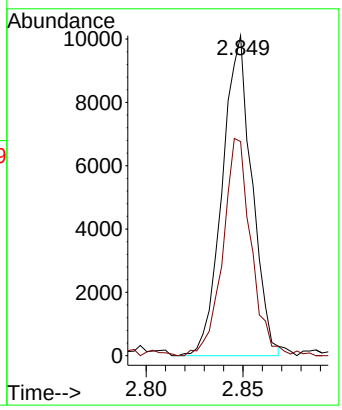


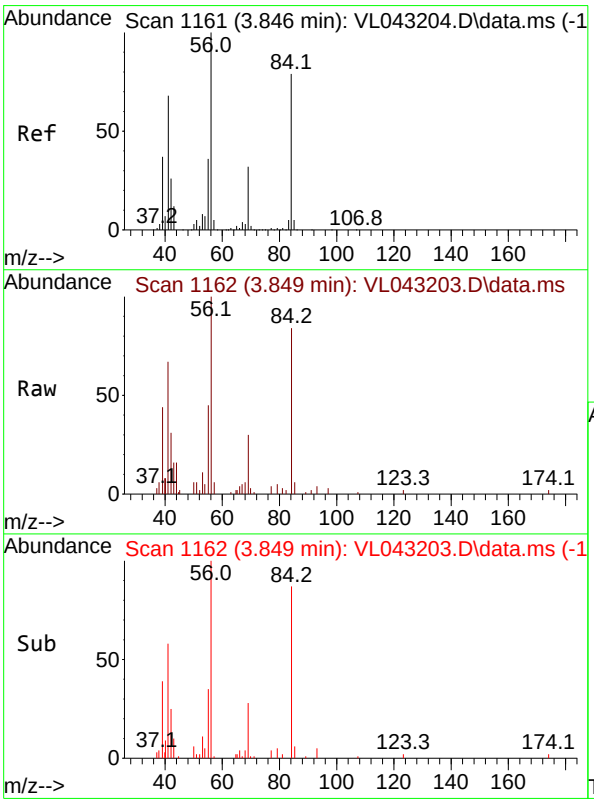
#29
Chloroform
Concen: 0.523 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 10800

Ion	Ratio	Lower	Upper
83	100		
85	66.9	50.5	75.7

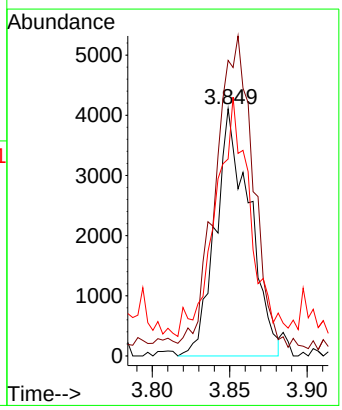


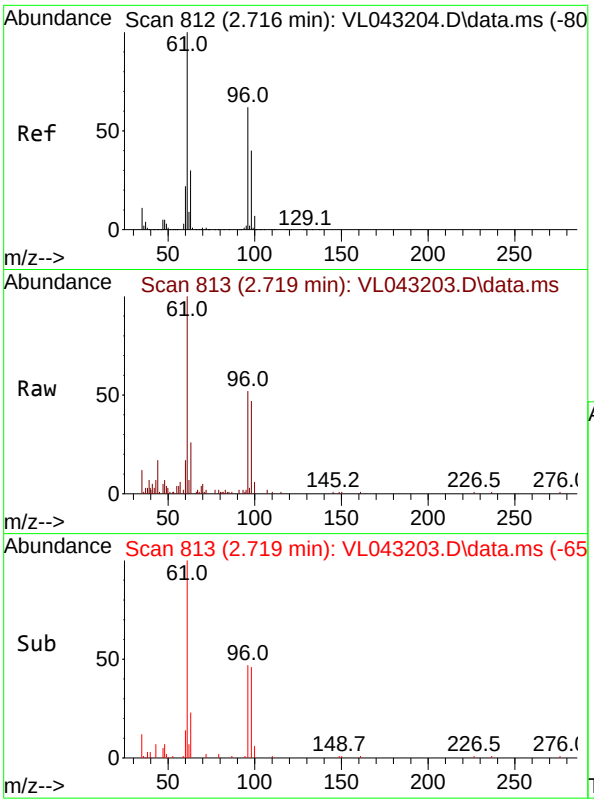


#30
Cyclohexane
Concen: 0.515 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 84 Resp: 6271

Ion	Ratio	Lower	Upper
84	100		
56	148.3	104.7	157.1
41	99.3	69.0	103.6



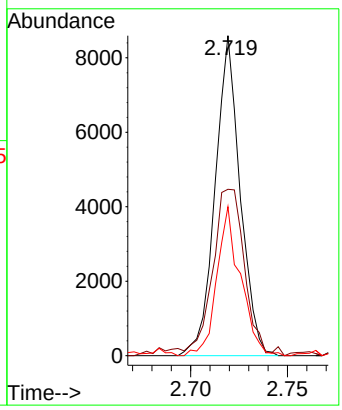


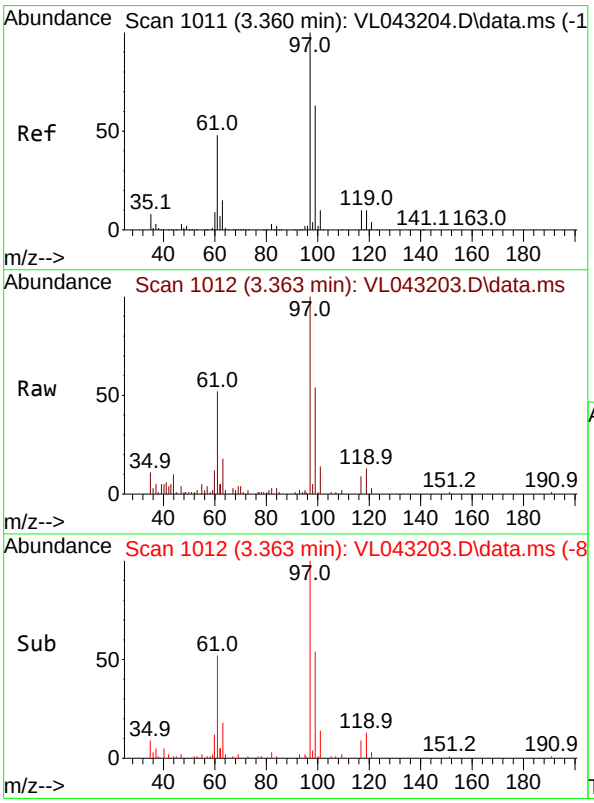
#31
cis-1,2-Dichloroethene
Concen: 0.536 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 7728

Ion	Ratio	Lower	Upper
61	100		
96	49.8	49.3	73.9
98	46.5	32.1	48.1

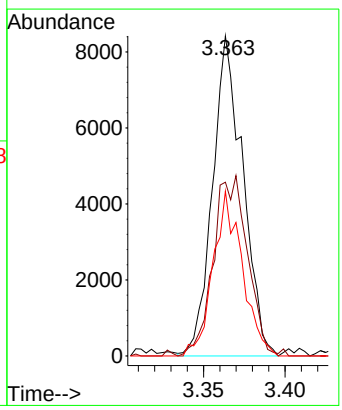


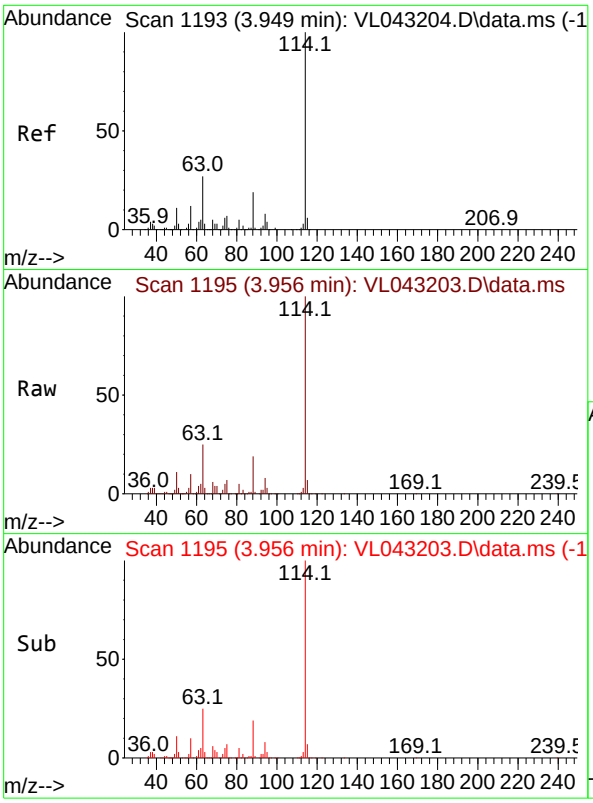


#32
1,1,1-Trichloroethane
Concen: 0.490 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 97 Resp: 10886

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.3	75.5
61	49.5	38.9	58.3



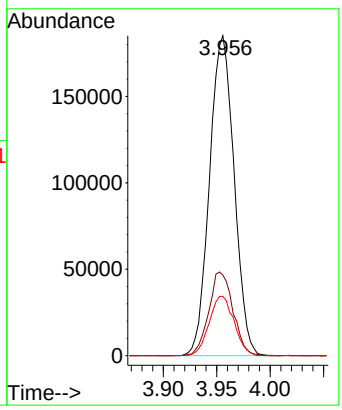


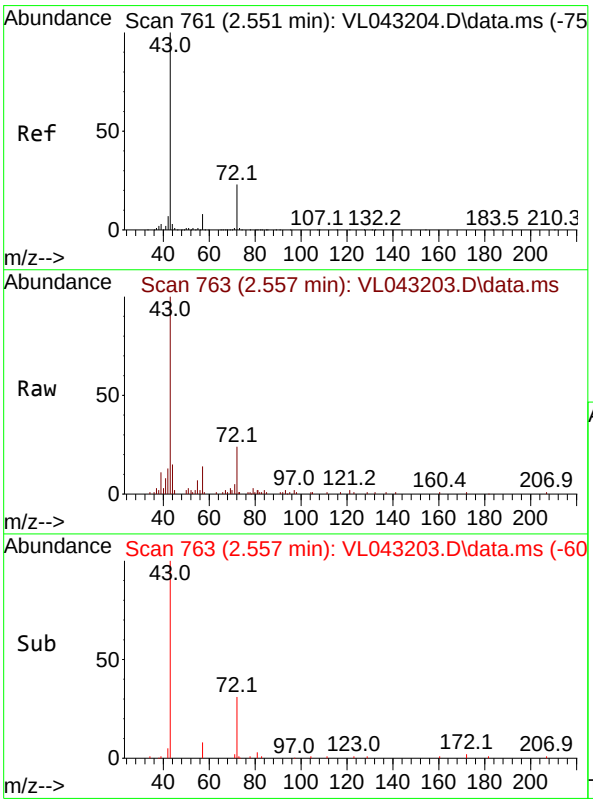
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 296493

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	18.8	14.9	22.3

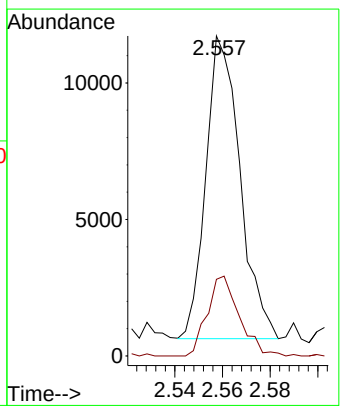


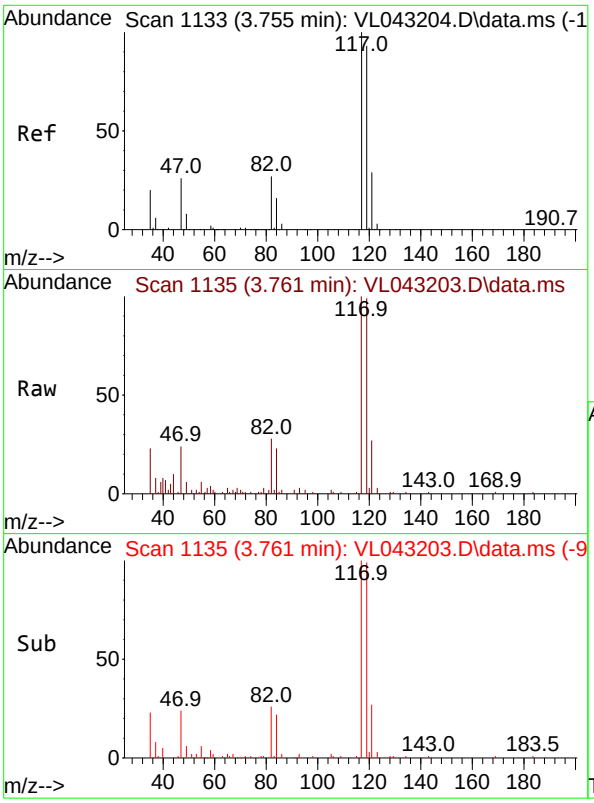


#34
2-Butanone
Concen: 0.527 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 11026

Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.1	27.1



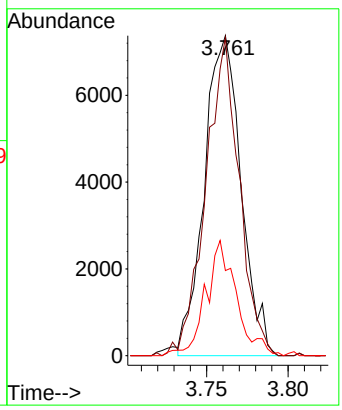


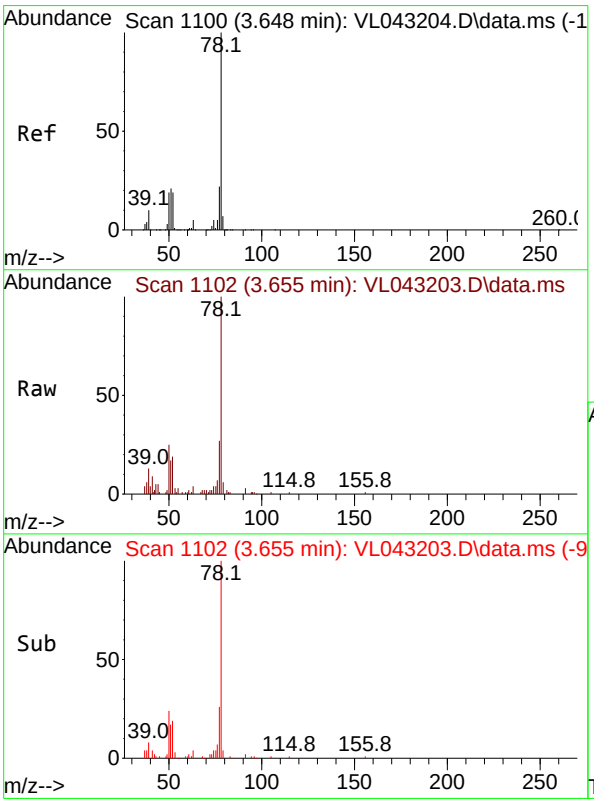
#35
Carbon Tetrachloride
Concen: 0.513 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 11551

Ion	Ratio	Lower	Upper
117	100		
119	99.4	74.6	112.0
121	25.7	23.2	34.8

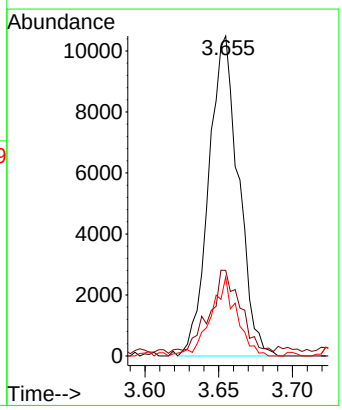


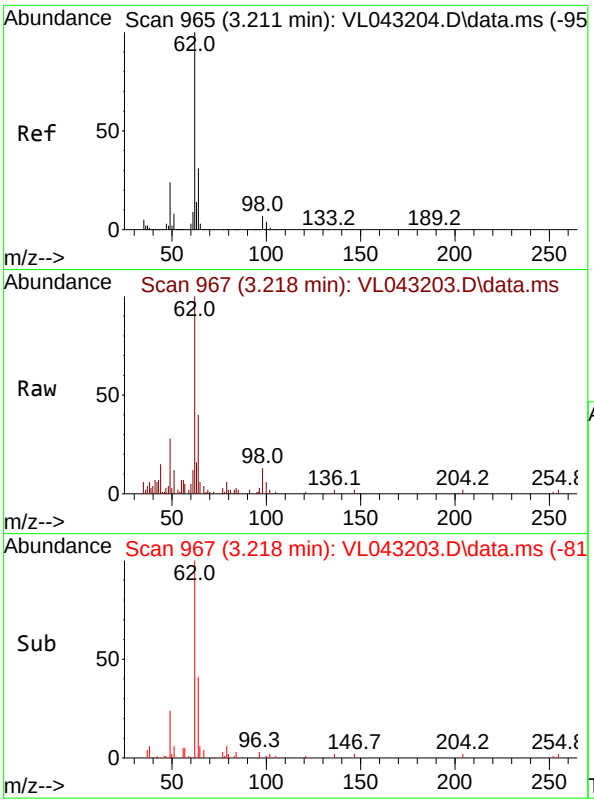


#36
Benzene
Concen: 0.520 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 78 Resp: 14759

Ion	Ratio	Lower	Upper
78	100		
77	24.6	17.5	26.3
50	24.7	15.5	23.3#



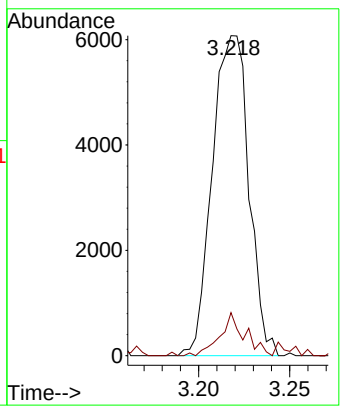


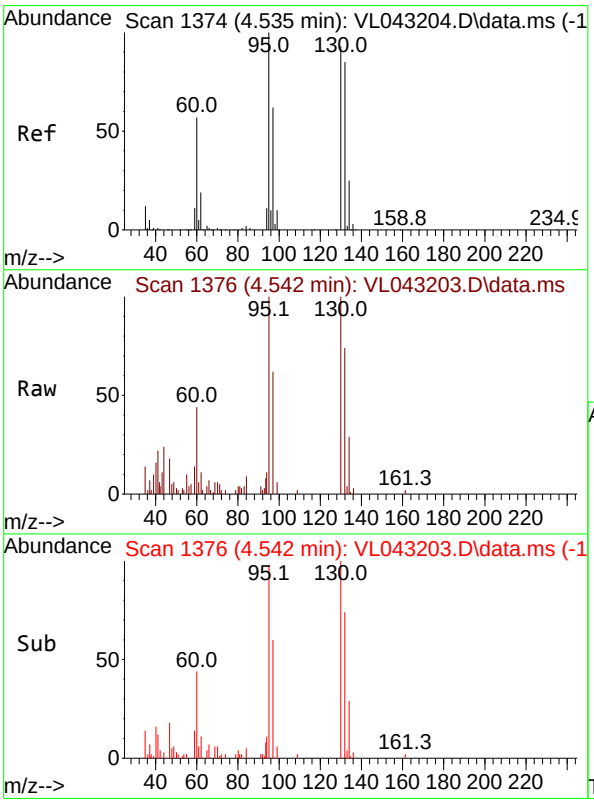
#37
1,2-Dichloroethane
Concen: 0.510 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 8477

Ion	Ratio	Lower	Upper
62	100		
98	9.2	5.5	8.3#

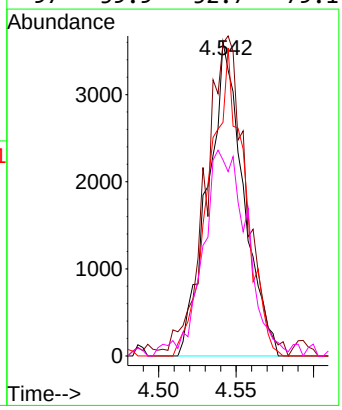


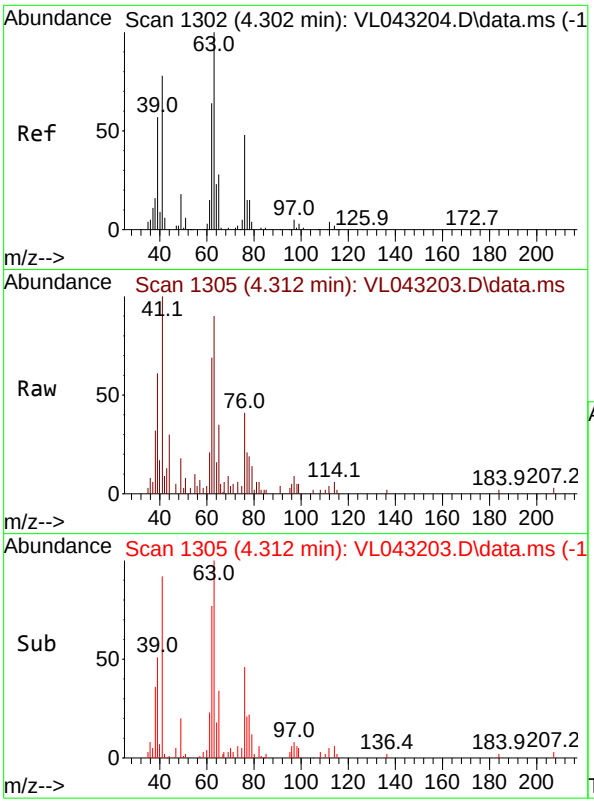


#38
Trichloroethene
Concen: 0.519 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:130 Resp: 5775

Ion	Ratio	Lower	Upper
130	100		
95	96.0	85.7	128.5
132	72.9	73.4	110.0#
97	59.9	52.7	79.1



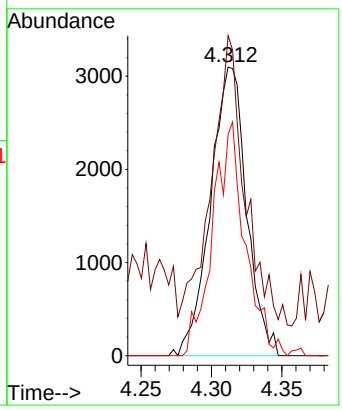


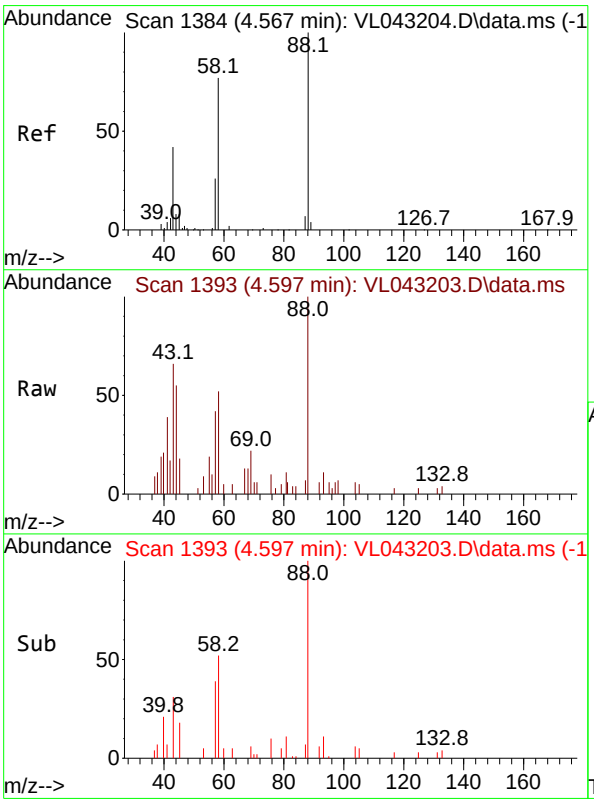
#39
1,2-Dichloropropane
Concen: 0.530 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 5510

Ion	Ratio	Lower	Upper
63	100		
41	98.4	62.6	93.8#
62	76.7	51.0	76.6#

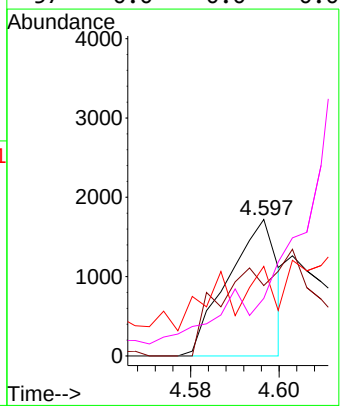


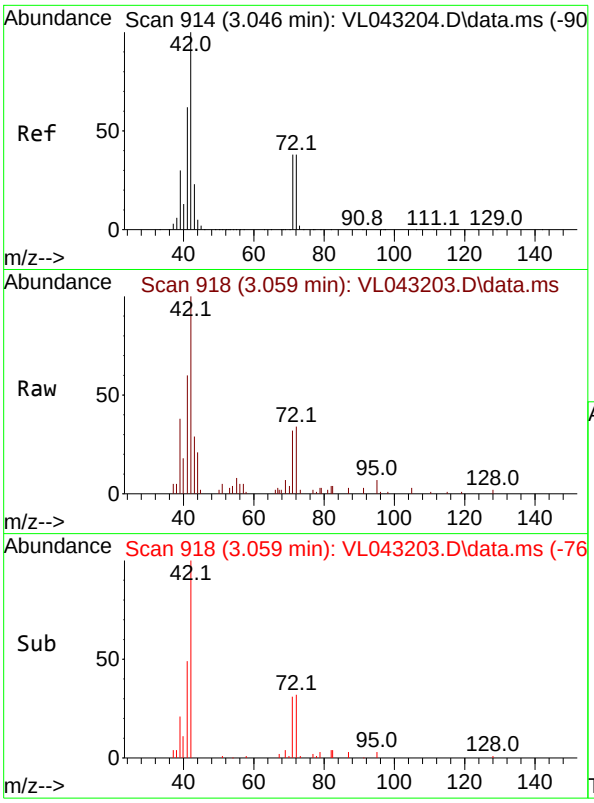


#40
1,4-Dioxane
Concen: 0.286 ppbv
RT: 4.597 min Scan# 1393
Delta R.T. 0.029 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 88 Resp: 1334

Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.0	94.6#
43	39.8	32.5	48.7
57	0.0	0.0	0.0



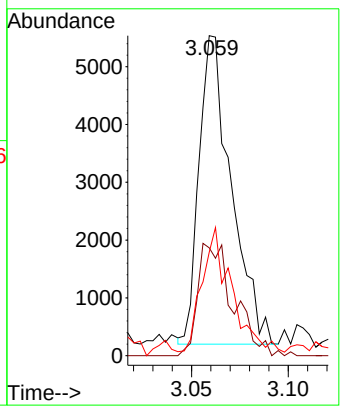


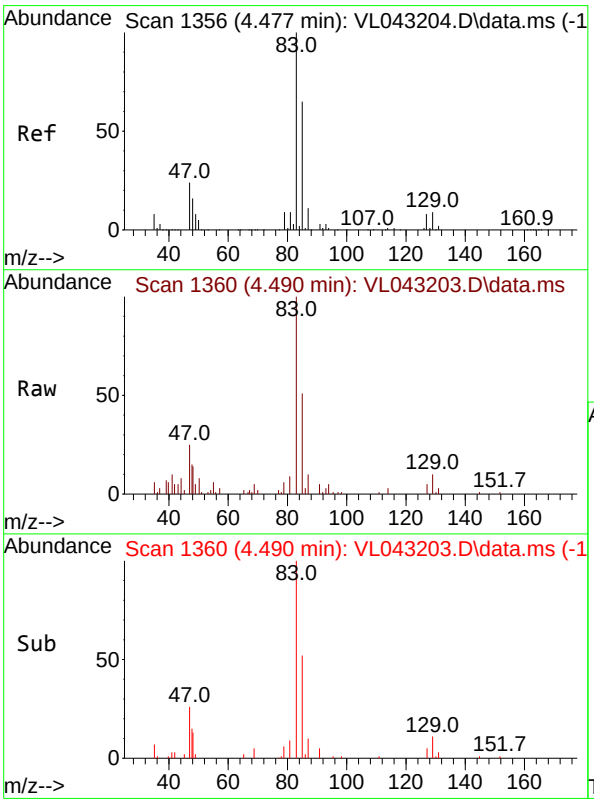
#41
Tetrahydrofuran
Concen: 0.536 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 6193

Ion	Ratio	Lower	Upper
42	100		
72	40.2	30.6	46.0
71	42.1	30.5	45.7

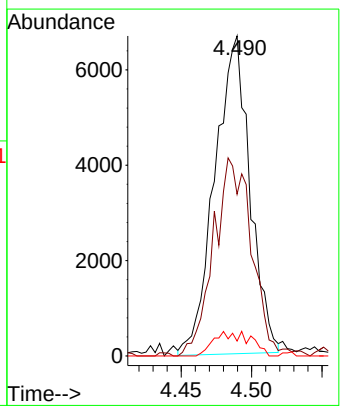


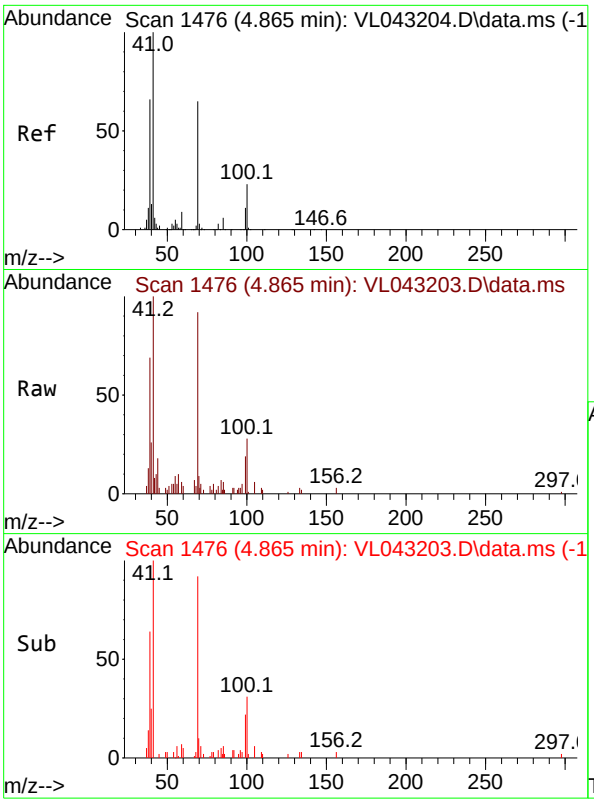


#42
Bromodichloromethane
Concen: 0.506 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 83 Resp: 11597

Ion	Ratio	Lower	Upper
83	100		
85	51.4	51.7	77.5#
127	4.8	6.3	9.5#



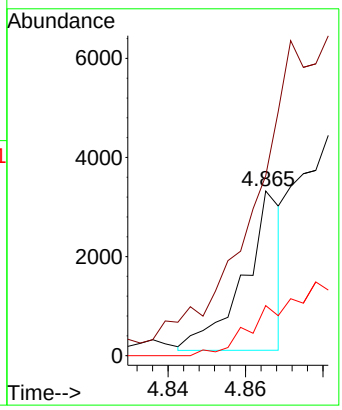


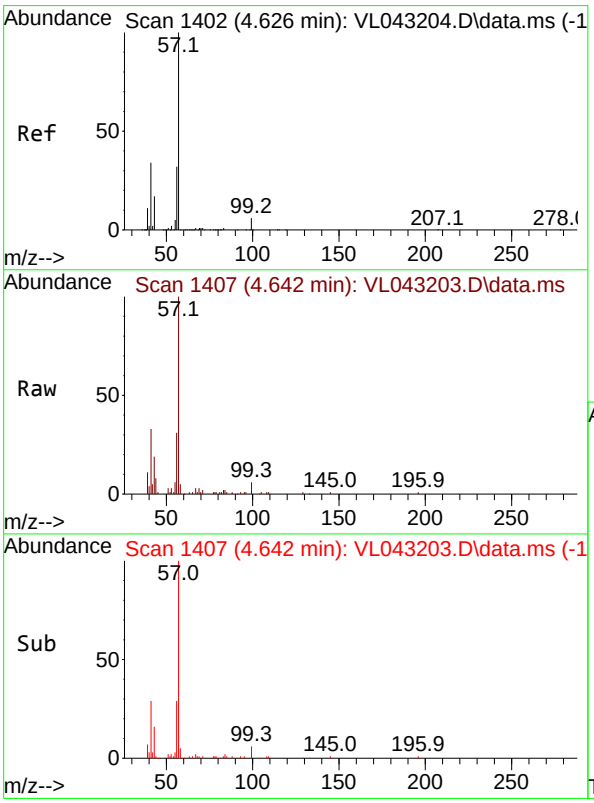
#43
Methyl Methacrylate
Concen: 0.143 ppbv
RT: 4.865 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 2151

Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.7	190.1#
100	0.0	28.6	43.0#

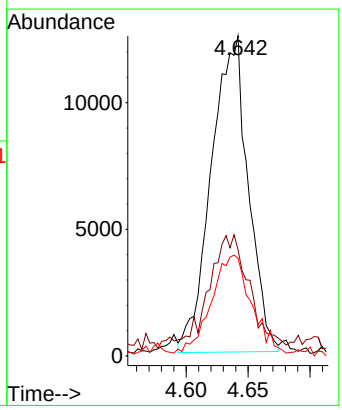


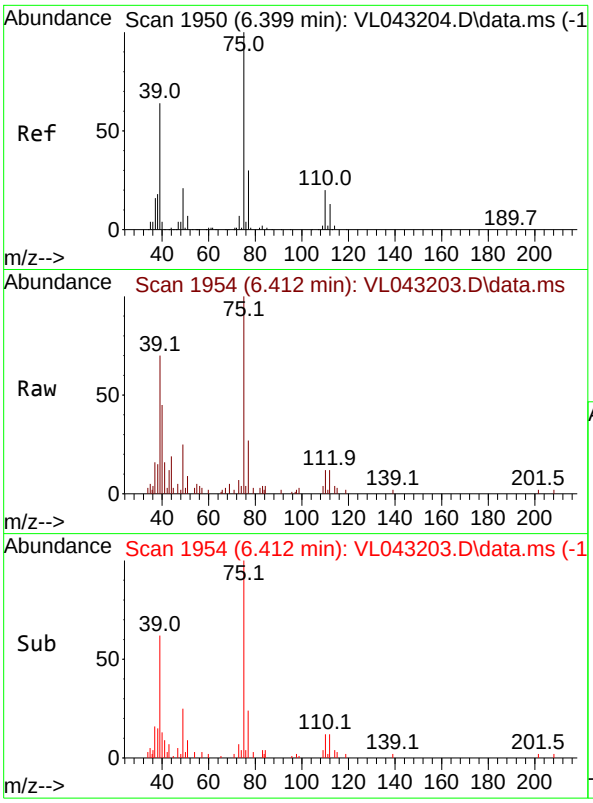


#44
2,2,4-Trimethylpentane
Concen: 0.531 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 57 Resp: 25890

Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.0	42.0
56	36.9	25.6	38.4



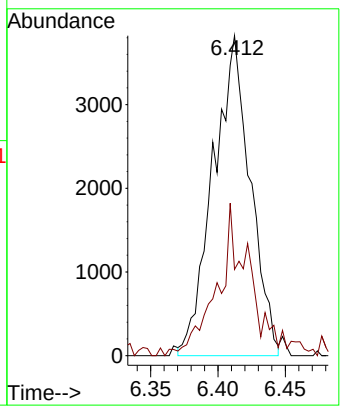


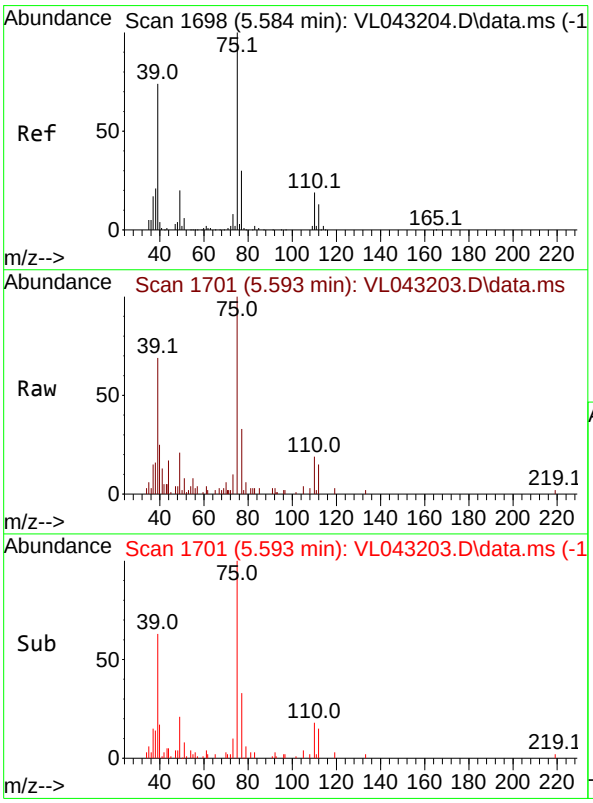
#45
t-1,3-Dichloropropene
Concen: 0.523 ppbv
RT: 6.412 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 7343

Ion	Ratio	Lower	Upper
75	100		
77	26.9	24.3	36.5

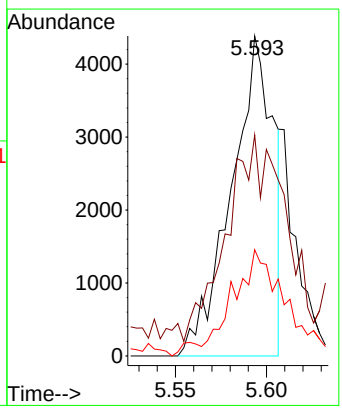


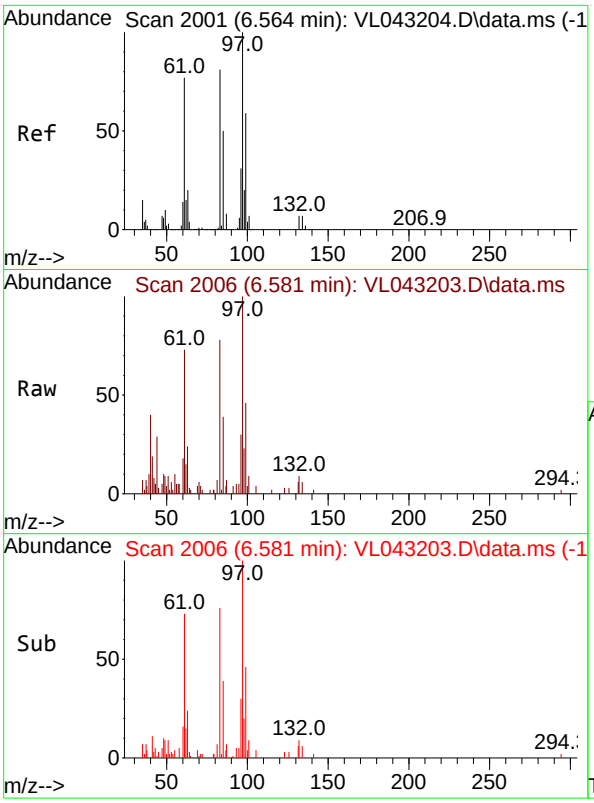


#46
cis-1,3-Dichloropropene
Concen: 0.425 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 75 Resp: 7004

Ion	Ratio	Lower	Upper
75	100		
39	58.9	59.1	88.7#
77	30.6	24.2	36.2



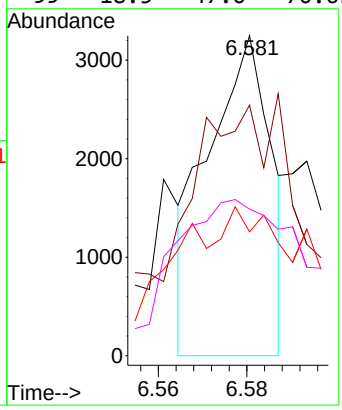


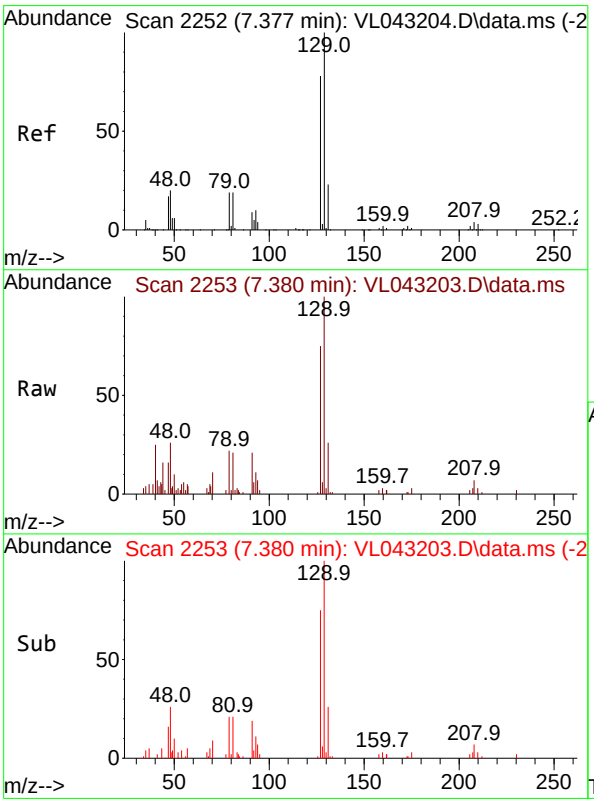
#47
1,1,2-Trichloroethane
Concen: 0.290 ppbv
RT: 6.581 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 3211

Ion	Ratio	Lower	Upper
97	100		
83	70.2	64.6	97.0
85	11.0	39.4	59.2#
99	18.5	47.0	70.6#

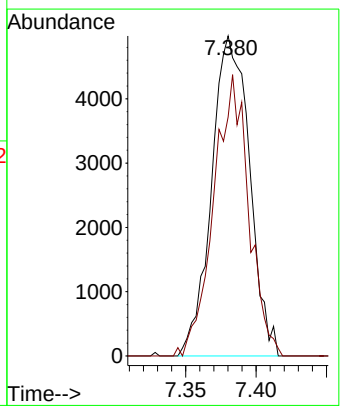


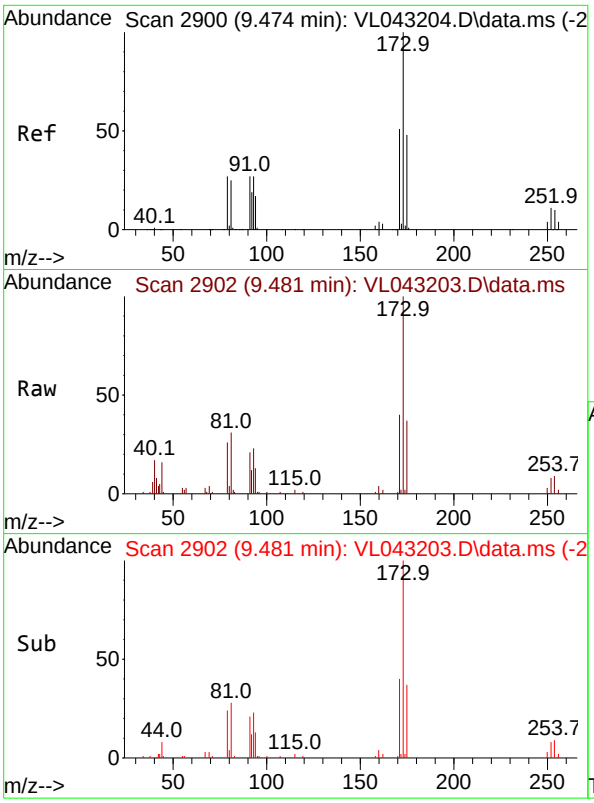


#48
Dibromochloromethane
Concen: 0.492 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:129 Resp: 9327

Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.3	117.9



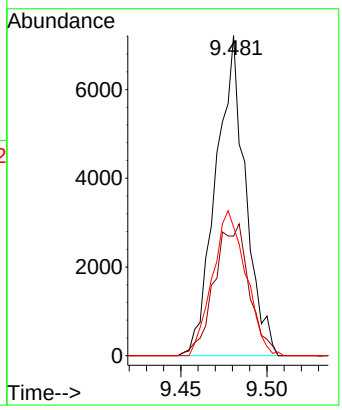


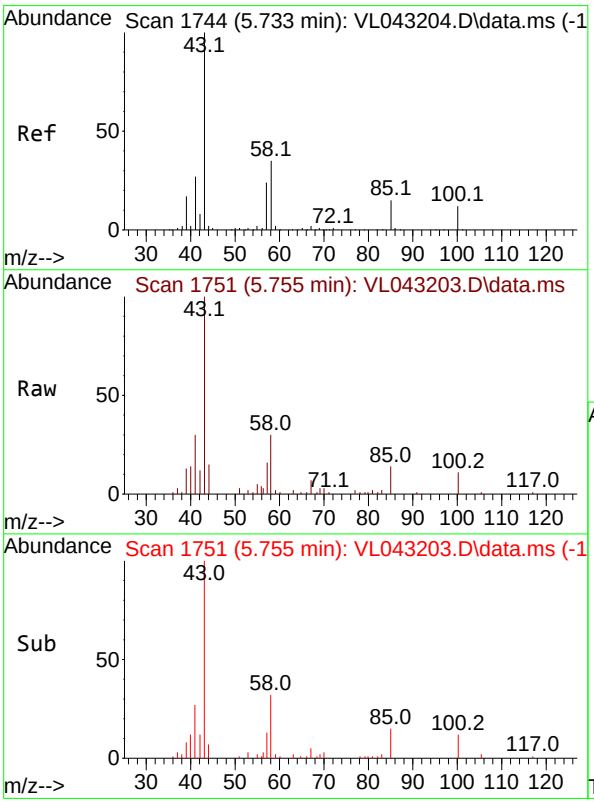
#49
Bromoform
Concen: 0.514 ppbv
RT: 9.481 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 8636

Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.6	58.0
171	50.9	40.6	61.0

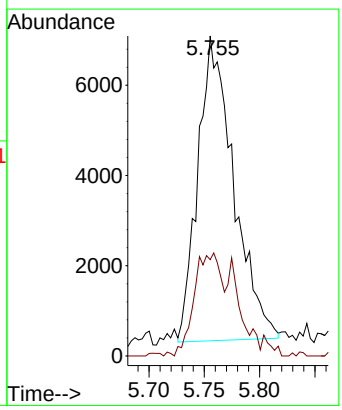


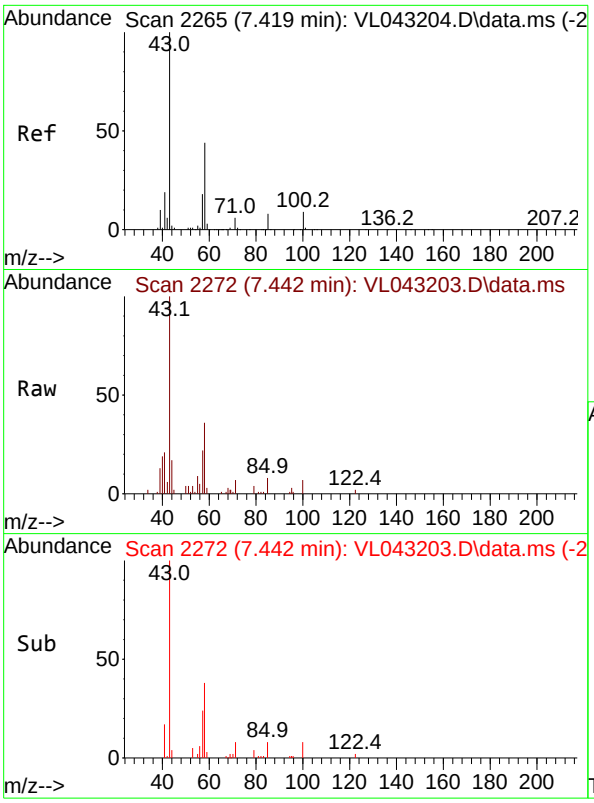


#50
4-Methyl-2-Pentanone
Concen: 0.515 ppbv
RT: 5.755 min Scan# 1751
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 43 Resp: 15190

Ion	Ratio	Lower	Upper
43	100		
58	40.3	28.4	42.6



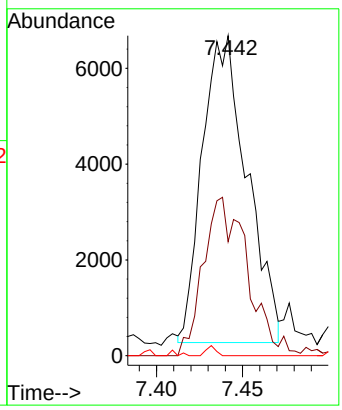


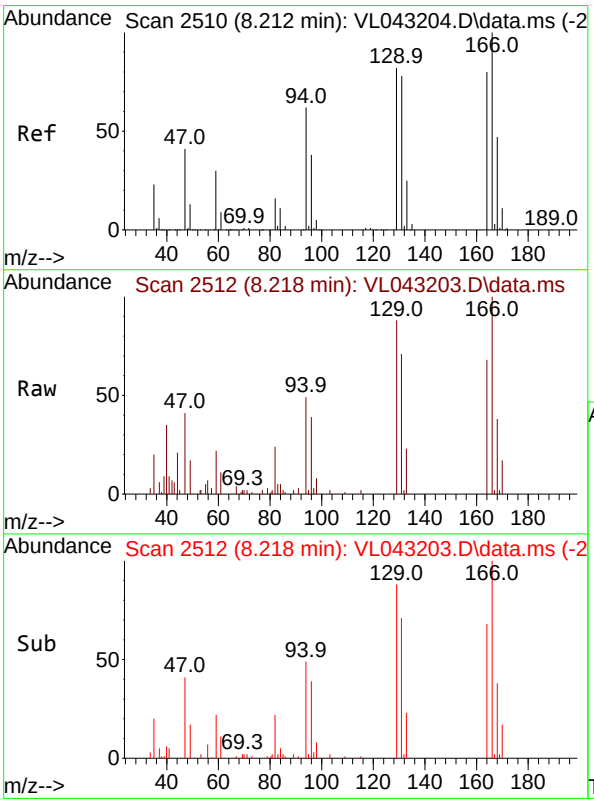
#51
2-Hexanone
Concen: 0.506 ppbv
RT: 7.442 min Scan# 2
Delta R.T. 0.023 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 11594

Ion	Ratio	Lower	Upper
43	100		
58	52.6	38.4	57.6
98	0.7	0.0	0.0#

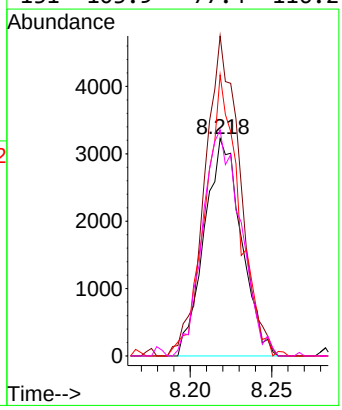


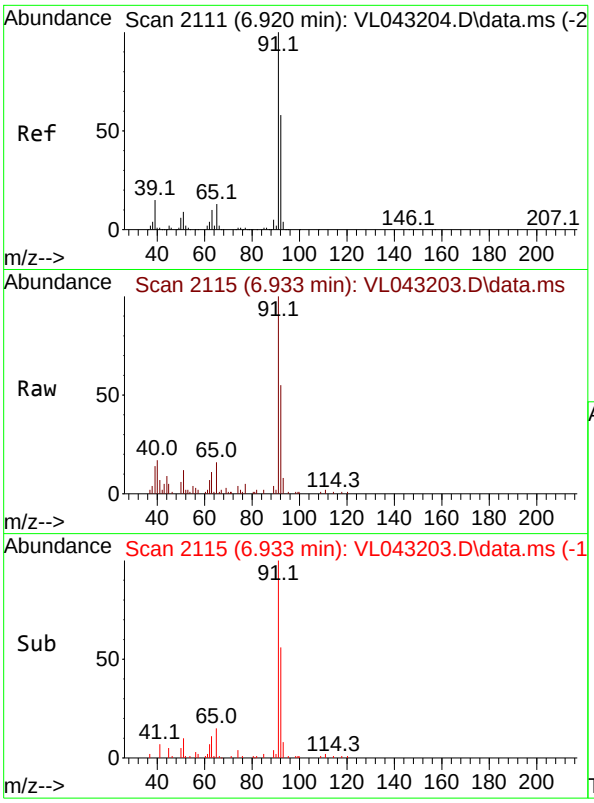


#52
Tetrachloroethene
Concen: 0.483 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:164 Resp: 5097

Ion	Ratio	Lower	Upper
164	100		
166	147.2	99.4	149.2
129	127.2	81.8	122.8#
131	103.9	77.4	116.2



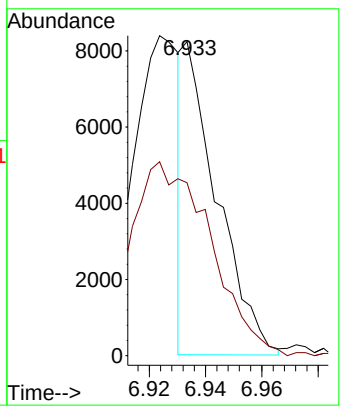


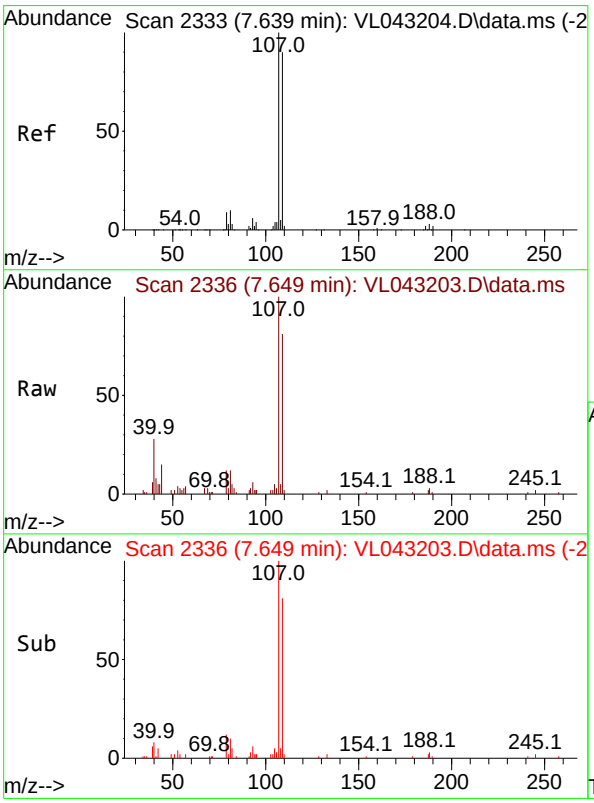
#53
Toluene
Concen: 0.203 ppbv
RT: 6.933 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 6863

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

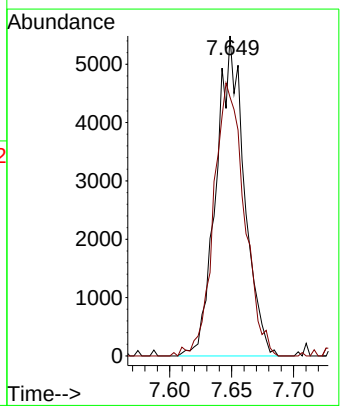


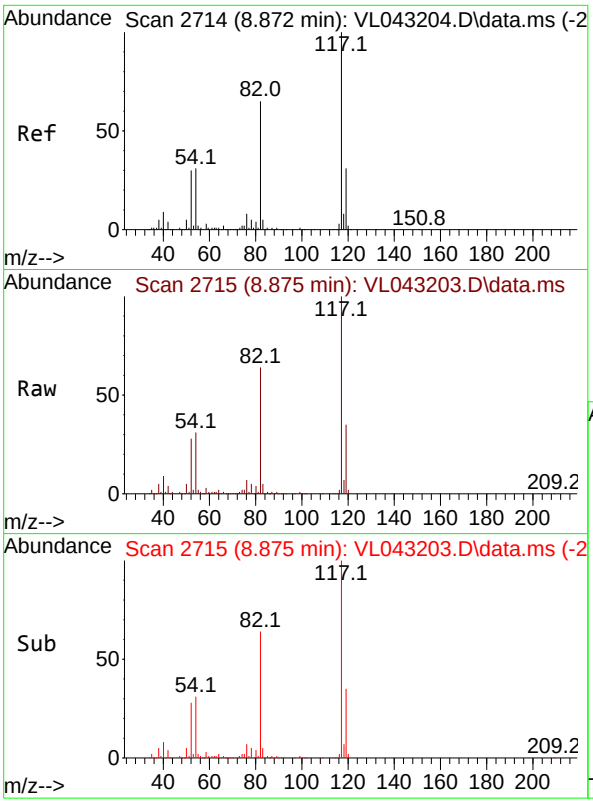


#54
1,2-Dibromoethane
Concen: 0.537 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:107 Resp: 8708

Ion	Ratio	Lower	Upper
107	100		
109	80.8	72.1	108.1



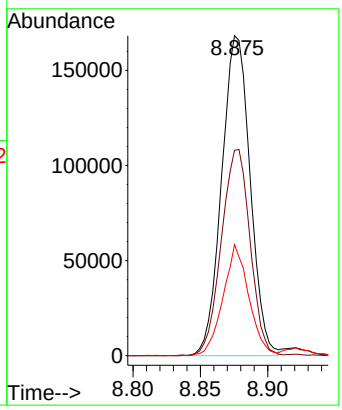


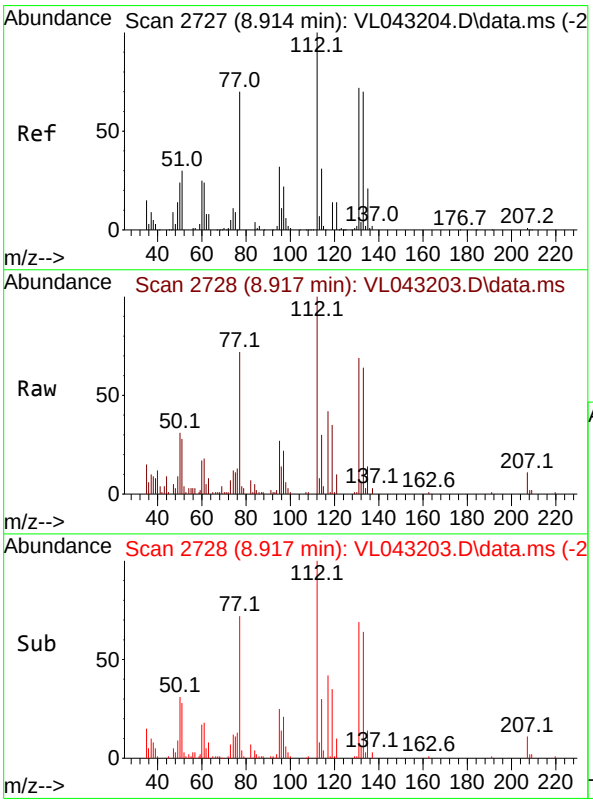
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 247761

Ion	Ratio	Lower	Upper
117	100		
82	65.5	56.1	84.1
119	31.6	25.0	37.6

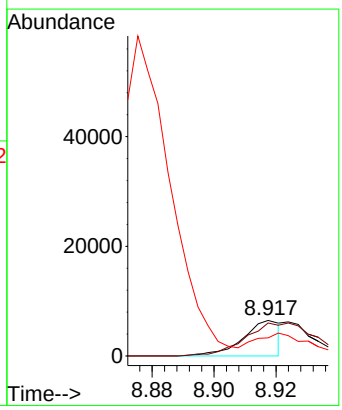


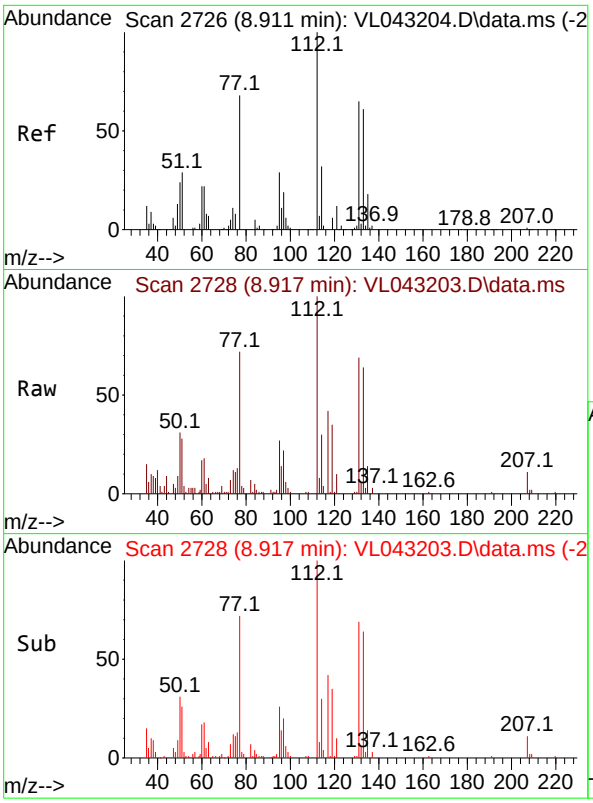


#56
1,1,1,2-Tetrachloroethane
Concen: 0.298 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:131 Resp: 5419

Ion	Ratio	Lower	Upper
131	100		
133	177.8	77.4	116.2#
119	91.4	49.1	73.7#



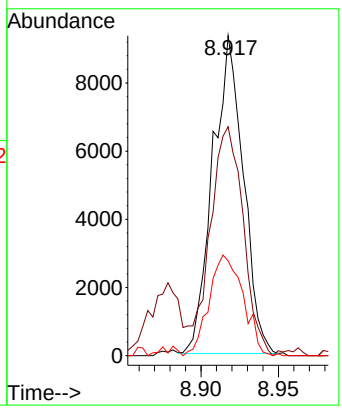


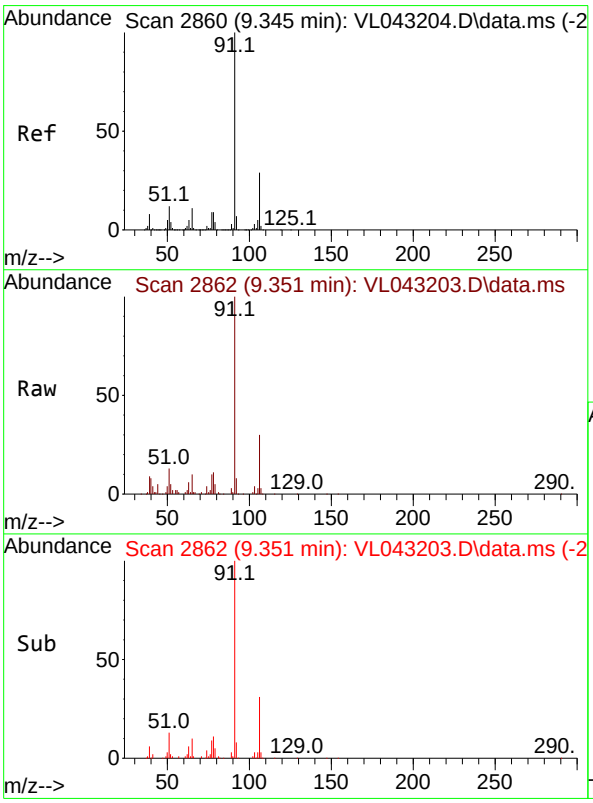
#57
Chlorobenzene
Concen: 0.504 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 12818

Ion	Ratio	Lower	Upper
112	100		
77	69.0	55.5	83.3
114	29.2	29.1	35.5

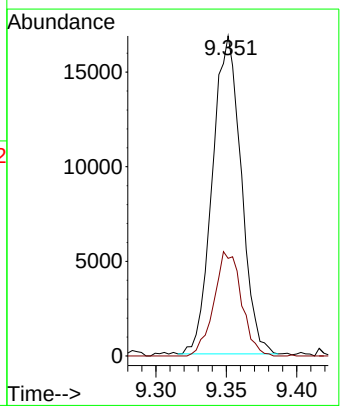


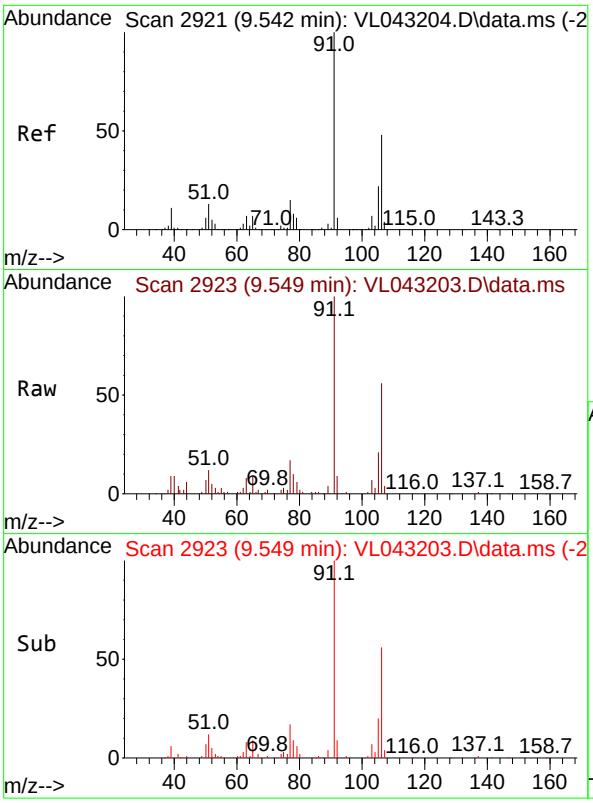


#58
Ethyl Benzene
Concen: 0.500 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 23866

Ion	Ratio	Lower	Upper
91	100		
106	30.7	22.8	34.2



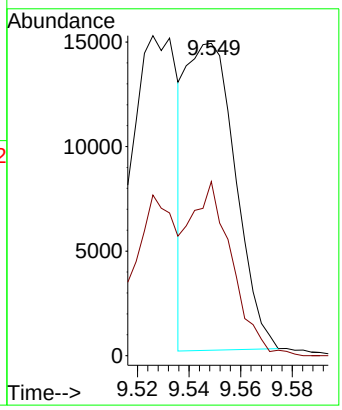


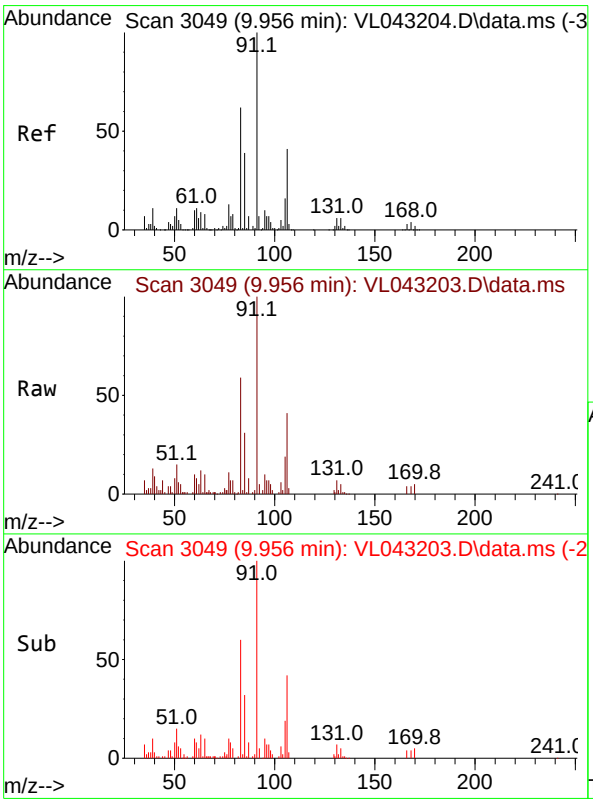
#59
m/p-Xylene
Concen: 0.507 ppbv
RT: 9.549 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 19470

Ion	Ratio	Lower	Upper
91	100		
106	94.6	36.1	54.1#

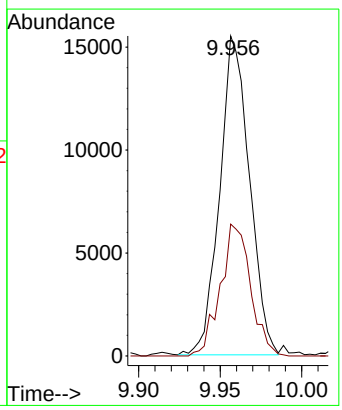


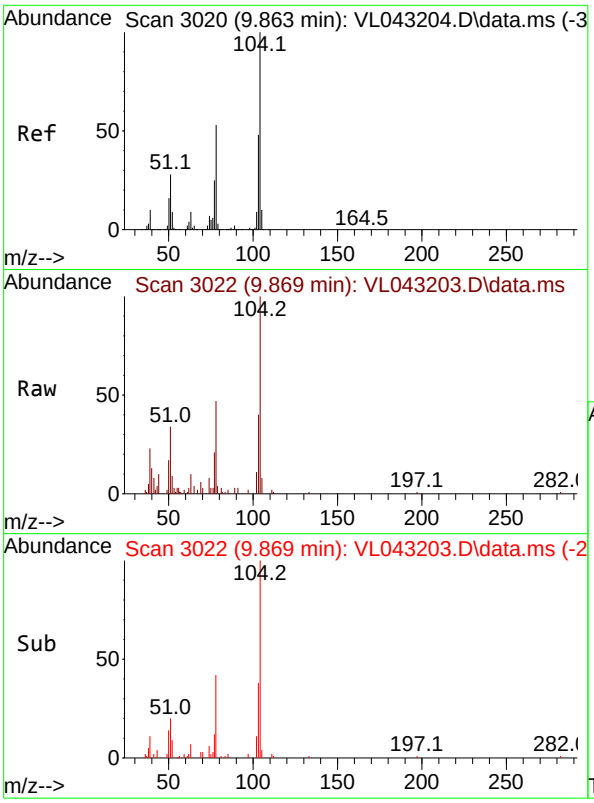


#60
o-Xylene
Concen: 0.514 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 19621

Ion	Ratio	Lower	Upper
91	100		
106	42.0	20.9	62.8



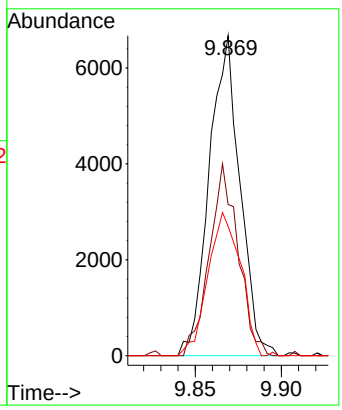


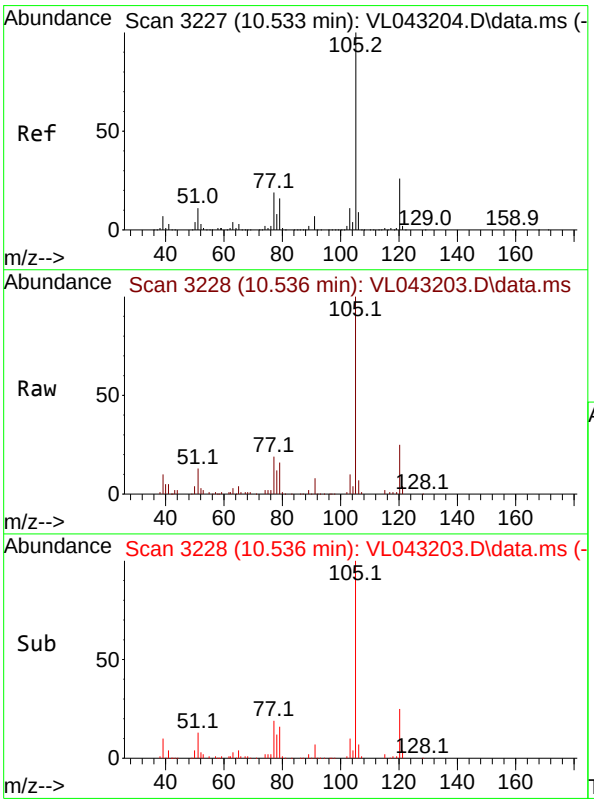
#61
Styrene
Concen: 0.496 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 8287

Ion	Ratio	Lower	Upper
104	100		
78	56.3	42.1	63.1
103	47.8	37.2	55.8

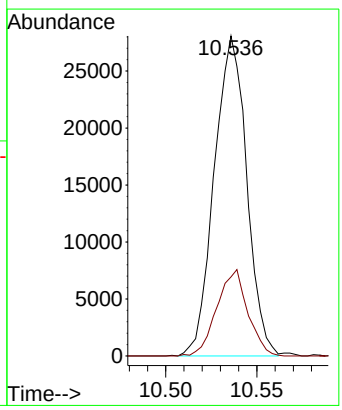


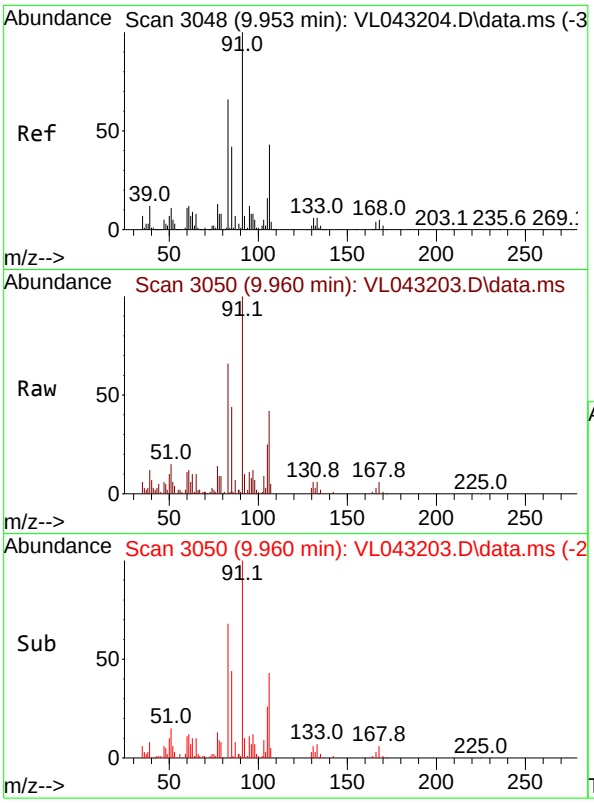


#62
Isopropylbenzene
Concen: 0.509 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 34773

Ion	Ratio	Lower	Upper
105	100		
120	25.6	19.8	29.8



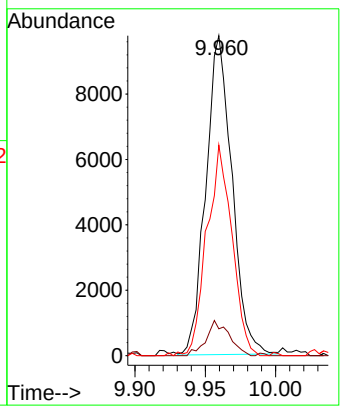


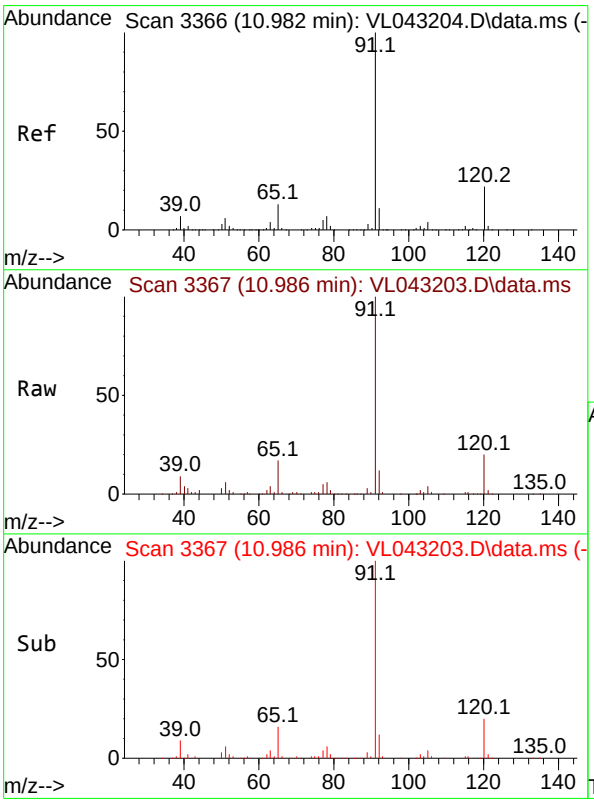
#63
1,1,2,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 9.960 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 12591

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	64.0	31.9	95.9

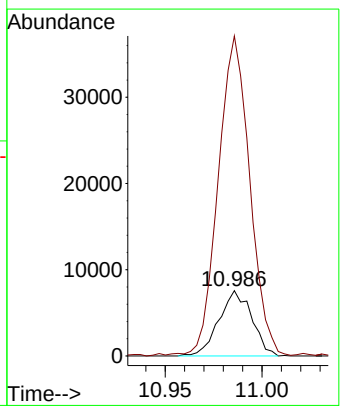


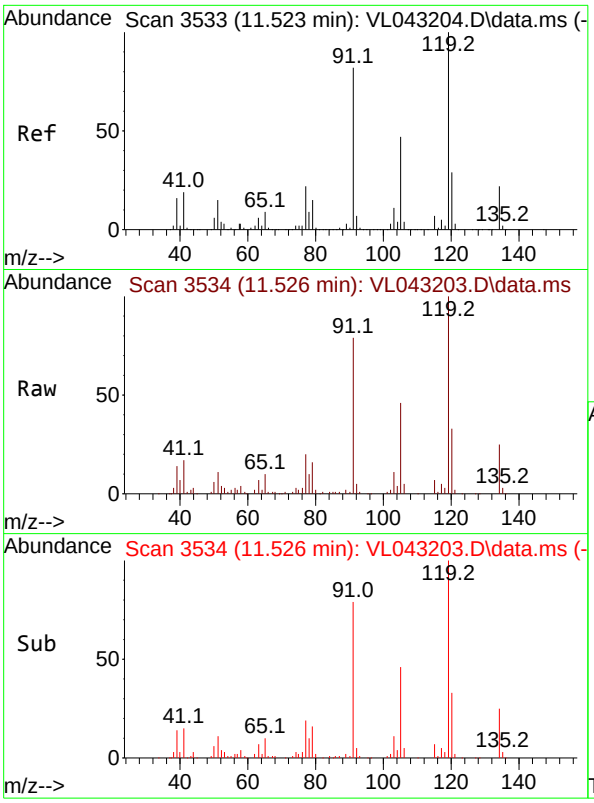


#64
n-propylbenzene
Concen: 0.509 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:120 Resp: 8945

Ion	Ratio	Lower	Upper
120	100		
91	472.3	377.1	565.7



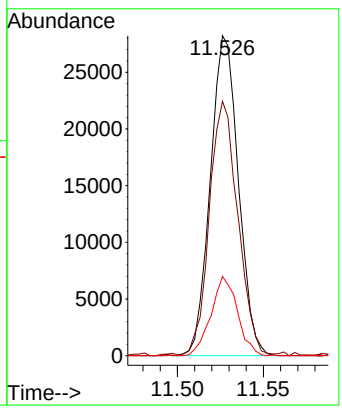


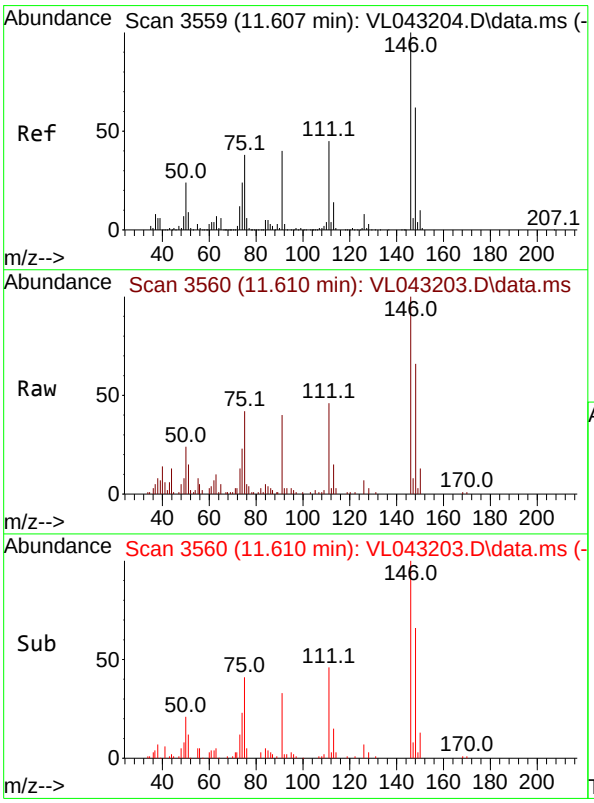
#65
tert-Butylbenzene
Concen: 0.524 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 31998

Ion	Ratio	Lower	Upper
119	100		
91	81.6	65.3	97.9
134	23.4	17.0	25.4

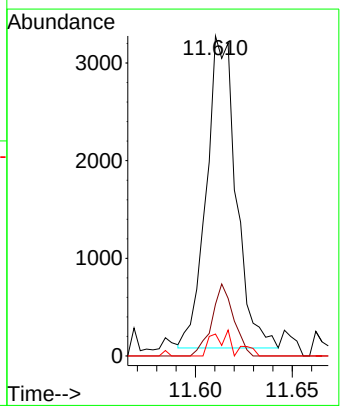


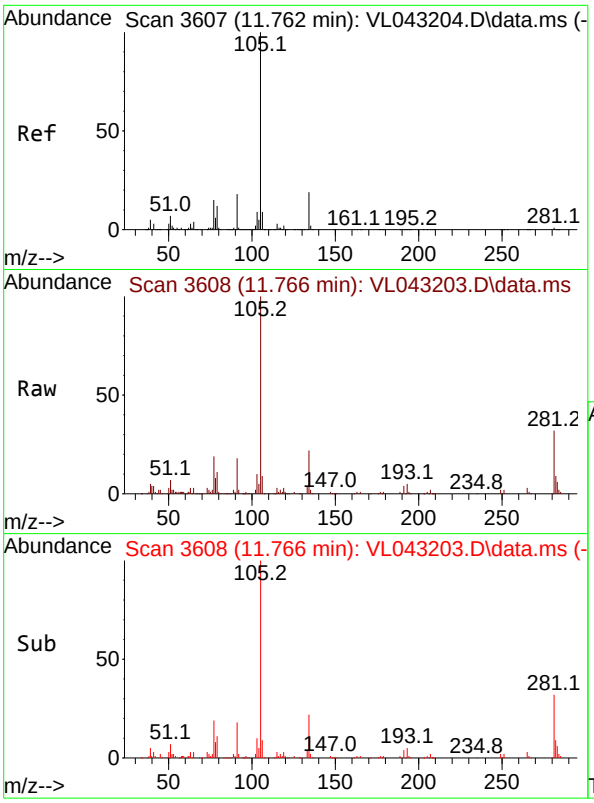


#66
Benzyl Chloride
Concen: 0.550 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 3403

Ion	Ratio	Lower	Upper
91	100		
126	16.8	14.4	21.6
128	6.1	4.6	6.8



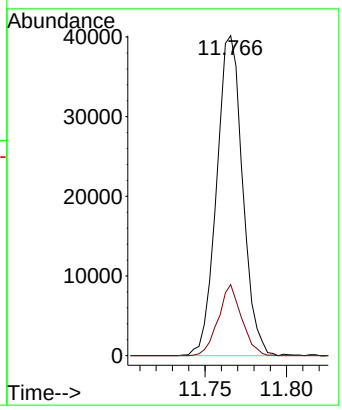


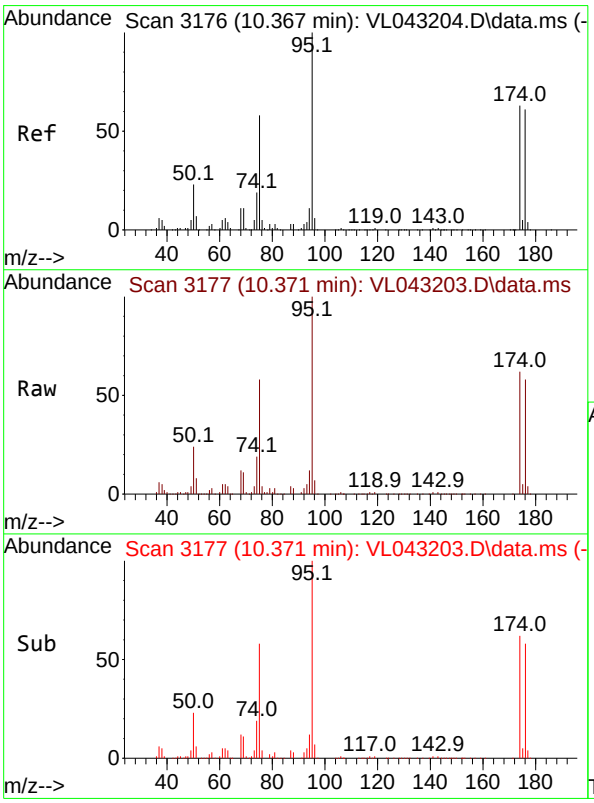
#67
sec-Butylbenzene
Concen: 0.522 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 44448

Ion	Ratio	Lower	Upper
105	100		
134	20.0	15.0	22.6

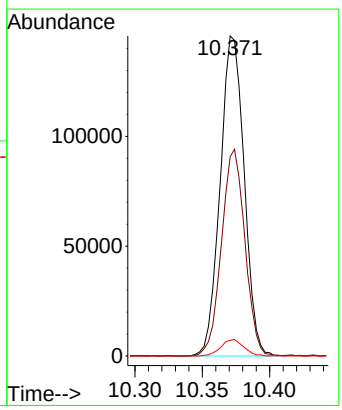


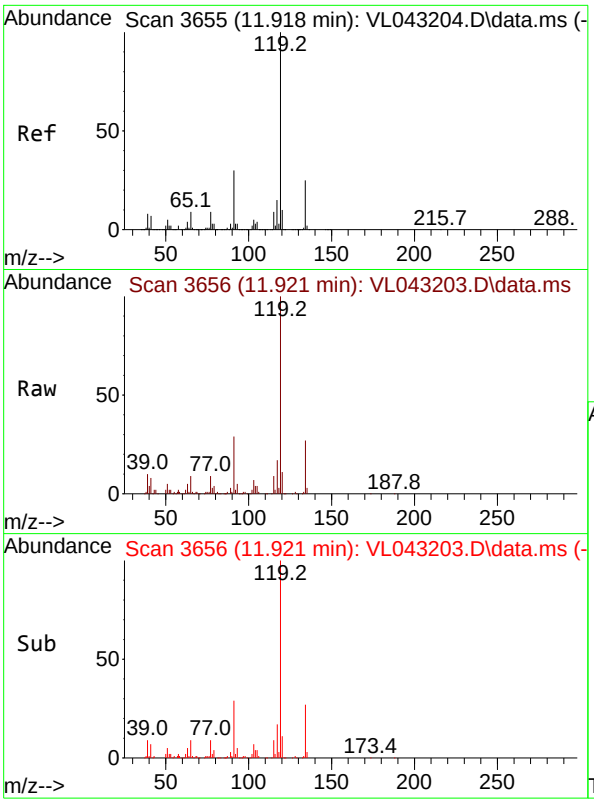


#68
1-Bromo-4-Fluorobenzene
Concen: 9.941 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 95 Resp: 180529

Ion	Ratio	Lower	Upper
95	100		
174	63.2	50.2	75.2
175	4.9	4.1	6.1



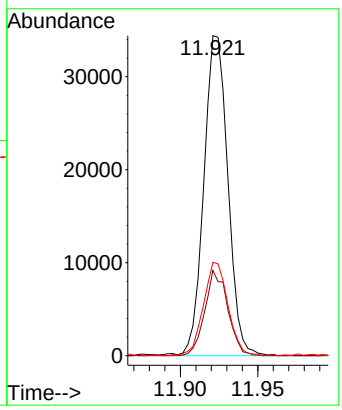


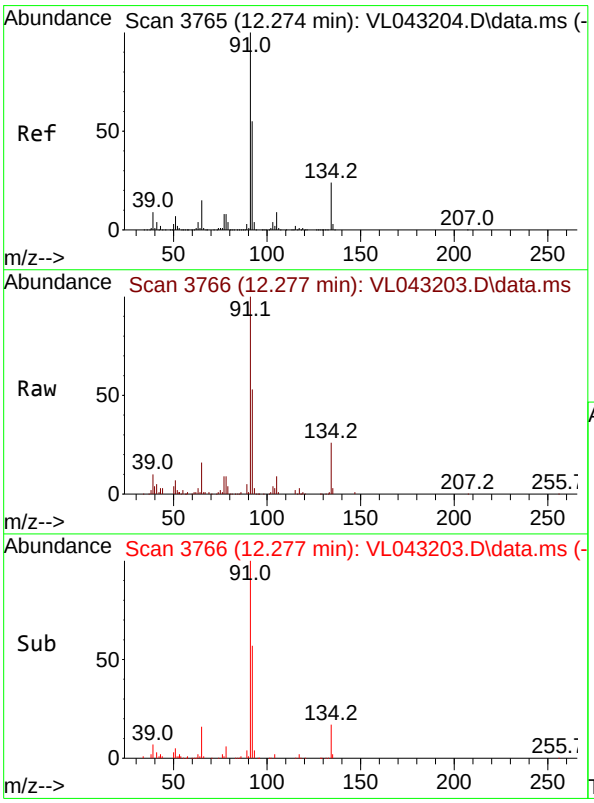
#69
p-Isopropyltoluene
Concen: 0.514 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 37087

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	29.9	23.8	35.8

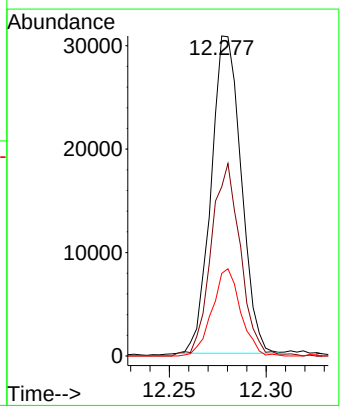


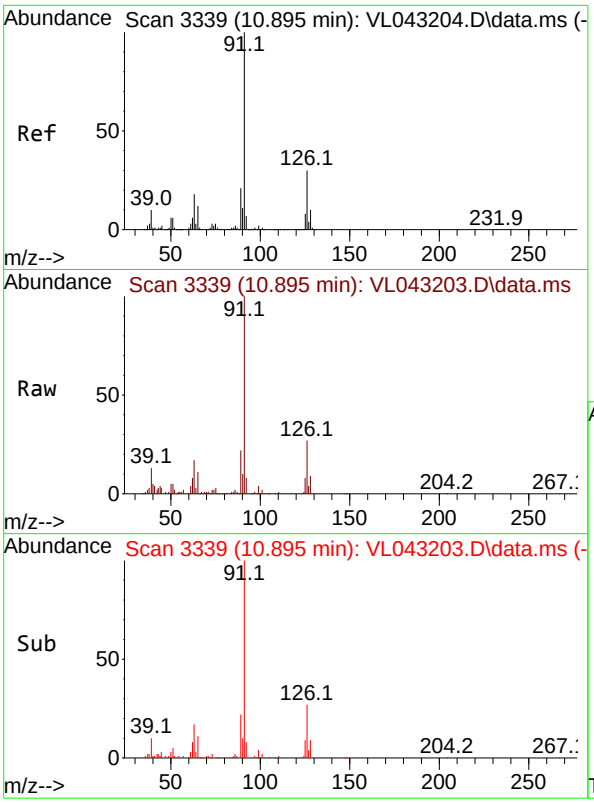


#70
n-Butylbenzene
Concen: 0.474 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion: 91 Resp: 33153

Ion	Ratio	Lower	Upper
91	100		
92	59.3	43.5	65.3
134	26.3	19.0	28.6



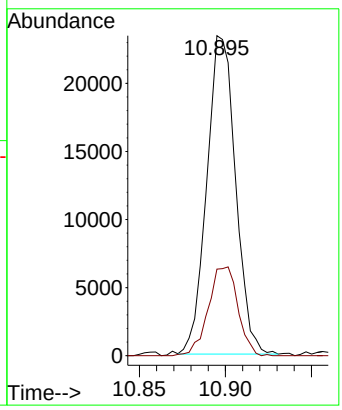


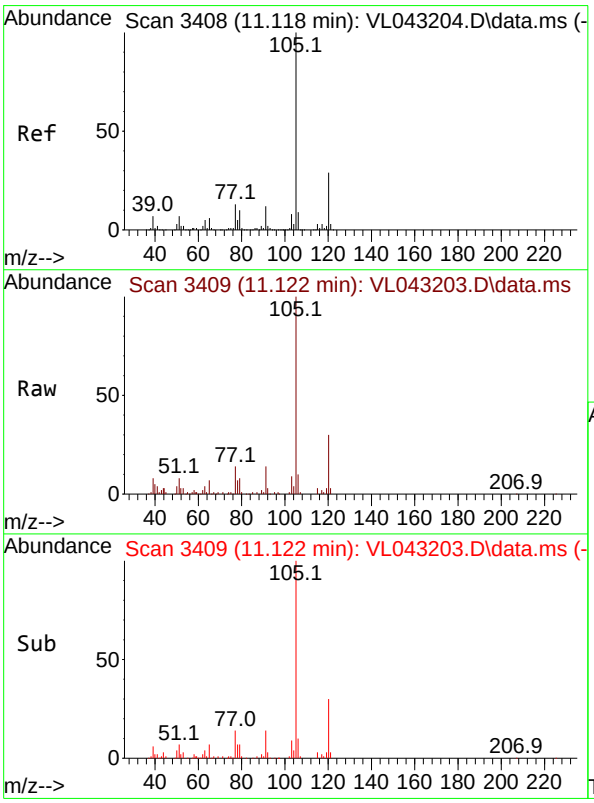
#71
2-Chlorotoluene
Concen: 0.518 ppbv
RT: 10.895 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 27224

Ion	Ratio	Lower	Upper
91	100		
126	28.6	11.7	46.7

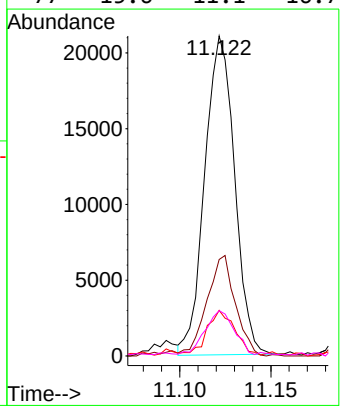


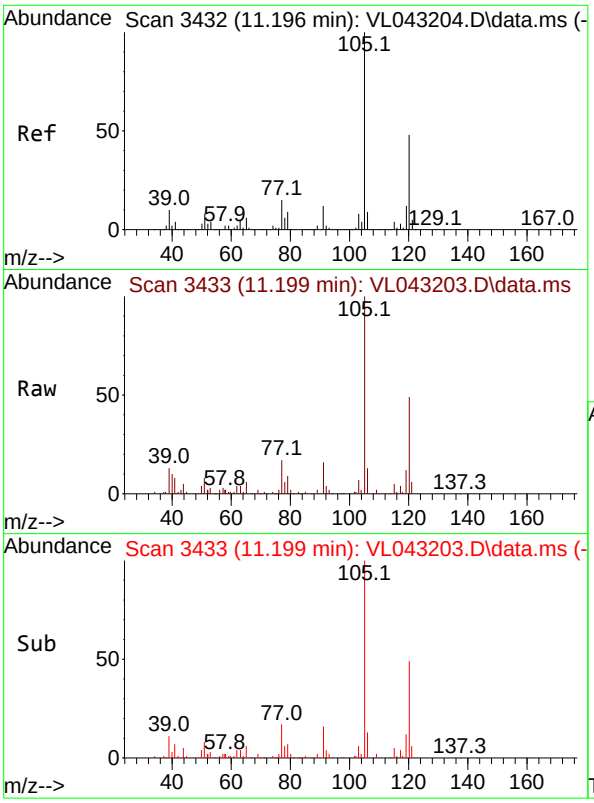


#72
4-Ethyltoluene
Concen: 0.515 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 23963

Ion	Ratio	Lower	Upper
105	100		
120	31.3	23.8	35.8
91	14.6	10.3	15.5
77	15.6	11.1	16.7



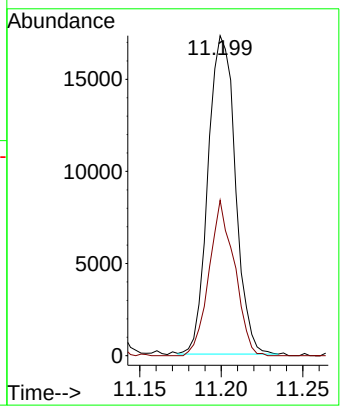


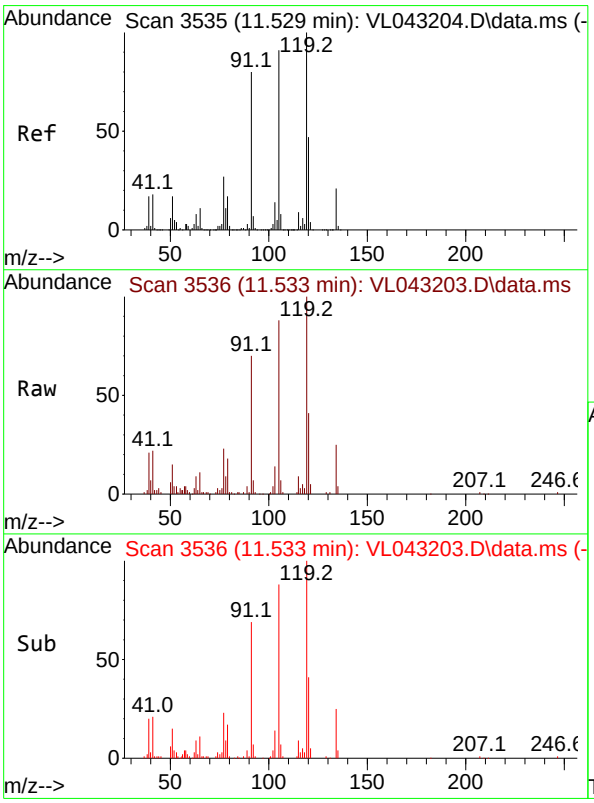
#73
1,3,5-Trimethylbenzene
Concen: 0.515 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 20104

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.6	57.8

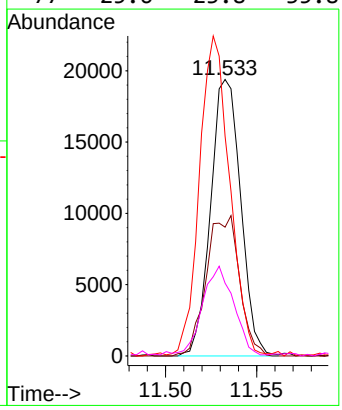


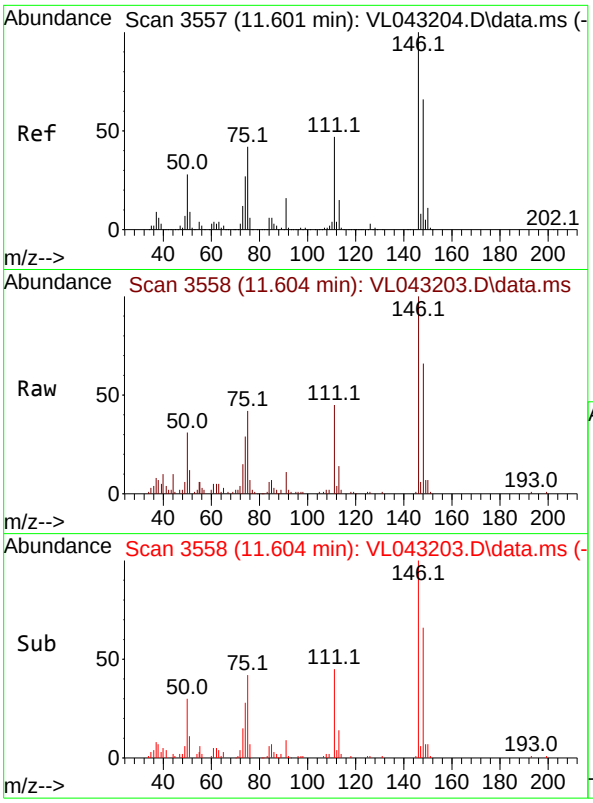


#74
1,2,4-Trimethylbenzene
Concen: 0.522 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:105 Resp: 22254

Ion	Ratio	Lower	Upper
105	100		
120	46.6	41.7	62.5
91	77.8	70.0	105.0
77	25.6	23.8	35.8



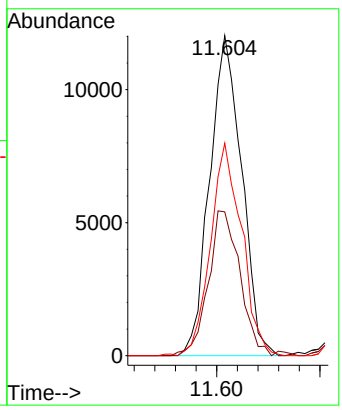


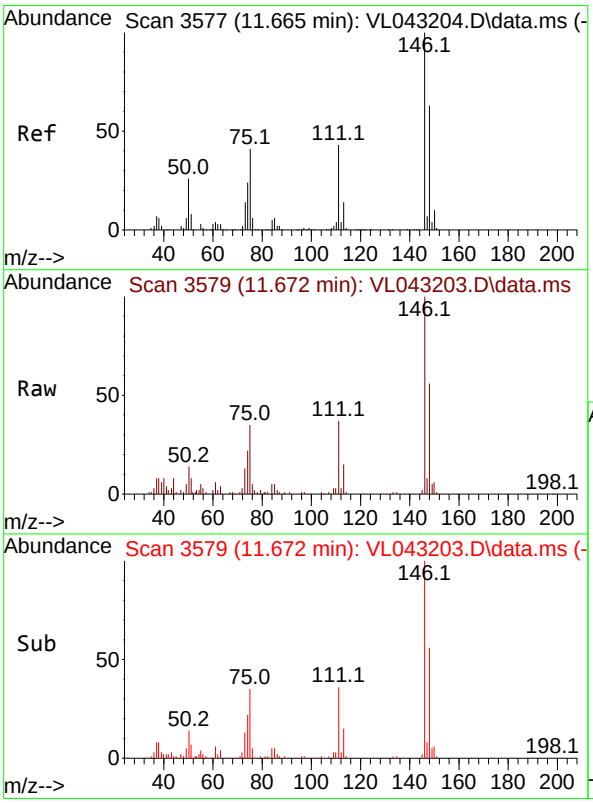
#75
1,3-Dichlorobenzene
Concen: 0.520 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 12926

Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.4	70.3
148	64.7	31.6	95.0

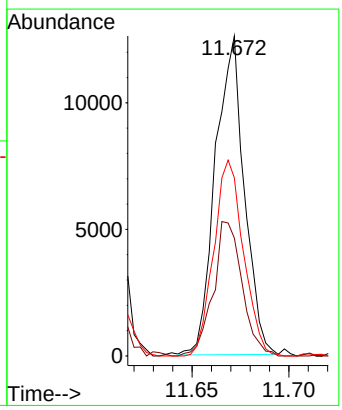


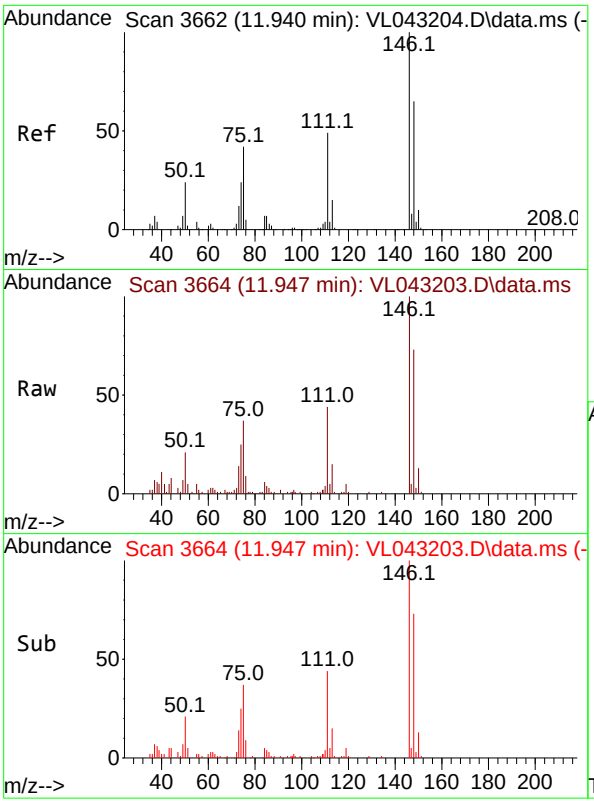


#76
1,4-Dichlorobenzene
Concen: 0.526 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:146 Resp: 13076

Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.8	68.3
148	63.8	31.8	95.4



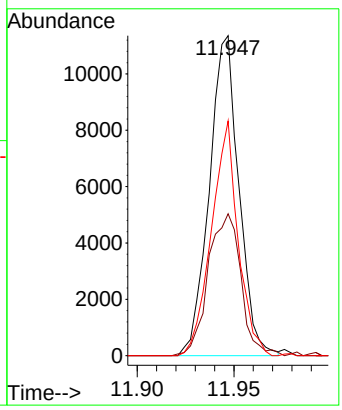


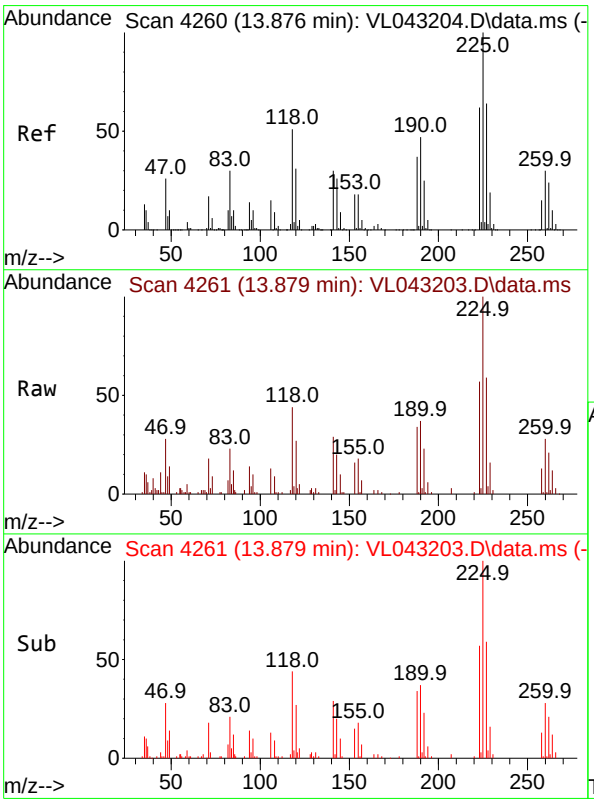
#77
1,2-Dichlorobenzene
Concen: 0.505 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 12069

Ion	Ratio	Lower	Upper
146	100		
111	49.5	24.3	73.0
148	66.3	31.6	94.7

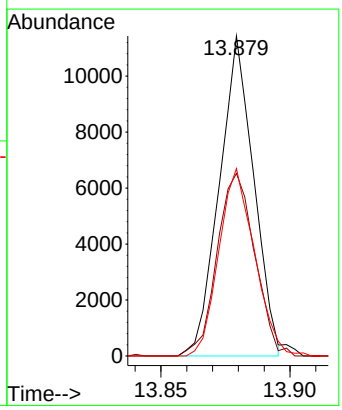


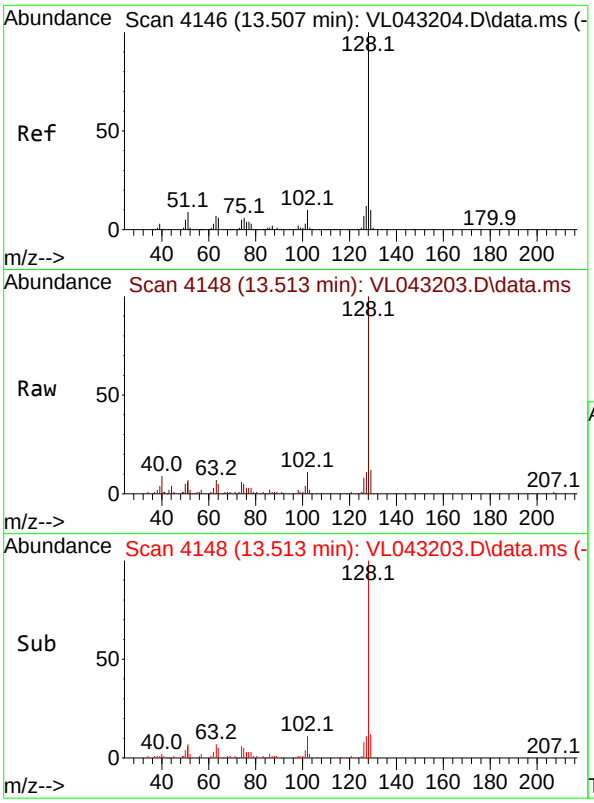


#78
Hexachloro-1,3-Butadiene
Concen: 0.530 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:225 Resp: 10578

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4
227	61.0	51.1	76.7



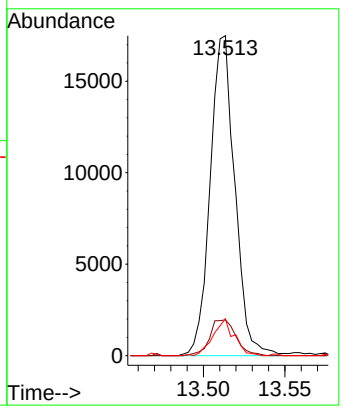


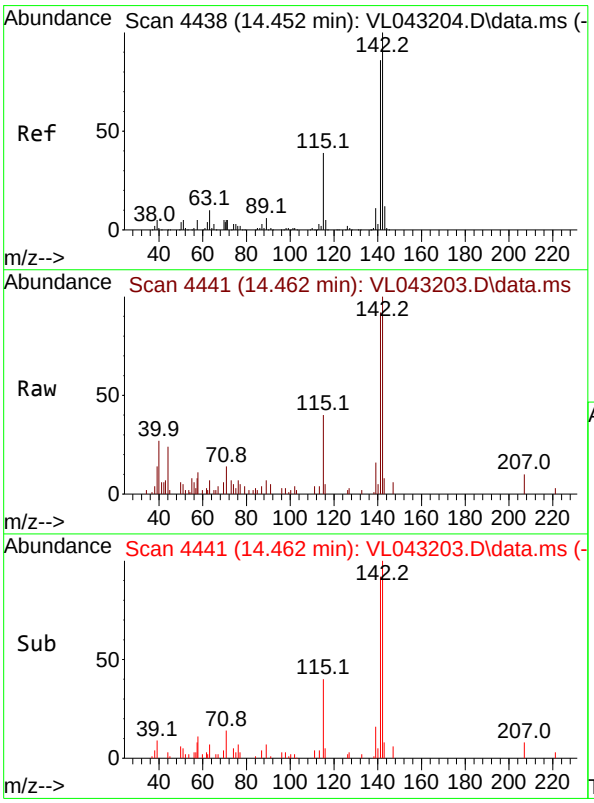
#79
Naphthalene
Concen: 0.486 ppbv
RT: 13.513 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 18377

Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.9	14.9
129	11.5	8.4	12.6

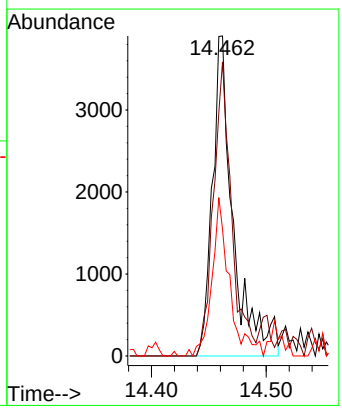


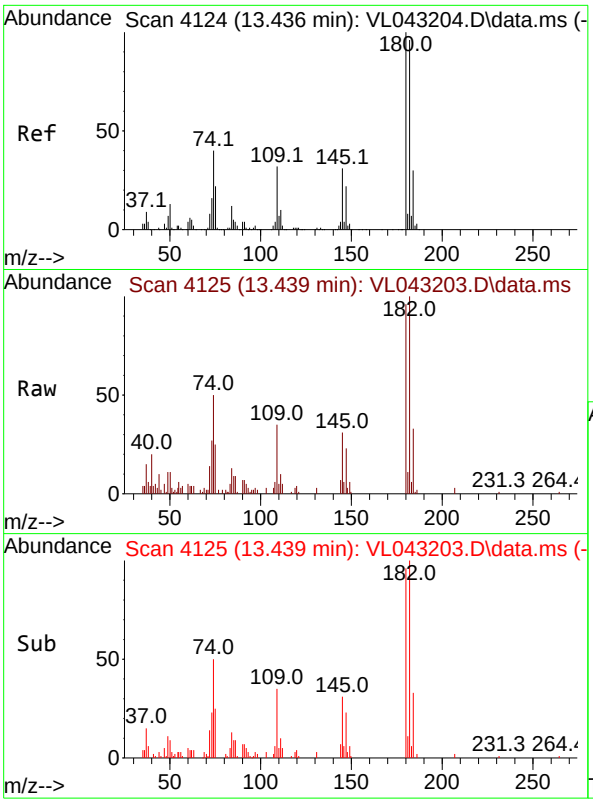


#80
Naphthalene,2-methyl-
Concen: 0.495 ppbv
RT: 14.462 min Scan# 4441
Delta R.T. 0.010 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Tgt Ion:142 Resp: 4917

Ion	Ratio	Lower	Upper
142	100		
141	90.2	67.1	100.7
115	47.3	31.9	47.9



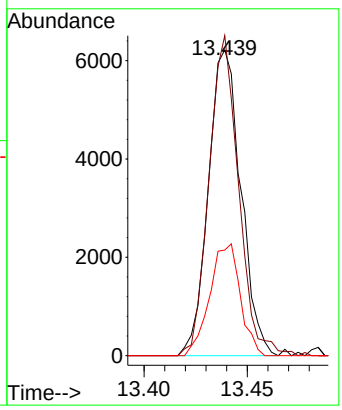


#81
1,2,4-Trichlorobenzene
Concen: 0.402 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043203.D
Acq: 18 Nov 2025 09:29

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 6798

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
184	34.3	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043204.D
Acq On : 18 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 19 00:49:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	105095	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	283830	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	234772	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	172524	10.025	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	140789	9.498	ppbv	100
3) Chlorodifluoromethane	1.473	51	138443	9.497	ppbv	100
4) Chloromethane	1.531	50	52372	9.450	ppbv	100
5) Vinyl Chloride	1.577	62	51045	8.422	ppbv	100
6) Bromomethane	1.664	94	26542	9.034	ppbv	100
7) Chloroethane	1.700	64	20375	8.632	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	114670	9.300	ppbv	100
9) Propene	1.480	41	52671	7.789	ppbv #	1
10) Heptane	4.965	43	168611	9.090	ppbv	100
11) Trichlorofluoromethane	1.875	101	130362	9.077	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	103679	9.247	ppbv	100
13) Ethanol	1.716	45	17464	8.023	ppbv	100
14) Bromoethene	1.777	108	38037	8.849	ppbv	100
15) Acetone	1.832	43	108422	7.426	ppbv	100
16) 1,3-Butadiene	1.606	39	57871	8.890	ppbv	100
17) tert-Butyl alcohol	2.036	59	179201	9.350	ppbv	100
18) 1,1-Dichloroethene	2.030	96	46313	8.871	ppbv	100
19) Isopropyl Alcohol	1.881	45	71862	8.710	ppbv	100
20) Methylene Chloride	2.056	84	41868	9.708	ppbv	100
21) Allyl Chloride	2.091	41	89266	9.087	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	52470	8.793	ppbv	100
23) Vinyl Acetate	2.457	43	170459	9.670	ppbv	100
24) 1,1-Dichloroethane	2.405	63	106970	9.287	ppbv	100
25) Ethyl Acetate	2.829	43	289921	9.190	ppbv	100
26) Hexane	2.820	57	129809	9.402	ppbv	100
27) Carbon Disulfide	2.146	76	132086	9.371	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	62115	9.165	ppbv	100
29) Chloroform	2.842	83	187620	9.561	ppbv	100
30) Cyclohexane	3.846	84	107621	9.297	ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	130357	9.499	ppbv	100
32) 1,1,1-Trichloroethane	3.360	97	198036	9.381	ppbv	100
34) 2-Butanone	2.551	43	182749	9.121	ppbv	100
35) Carbon Tetrachloride	3.755	117	200831	9.322	ppbv	100
36) Benzene	3.648	78	256954	9.453	ppbv	100
37) 1,2-Dichloroethane	3.211	62	150769	9.483	ppbv	100
38) Trichloroethene	4.535	130	100136	9.398	ppbv	100
39) 1,2-Dichloropropane	4.302	63	95097	9.559	ppbv	100
40) 1,4-Dioxane	4.567	88	40441	9.043	ppbv #	100
41) Tetrahydrofuran	3.046	42	104294	9.426	ppbv	100
42) Bromodichloromethane	4.477	83	211504	9.643	ppbv	100
43) Methyl Methacrylate	4.865	69	131003	9.080	ppbv	100
44) 2,2,4-Trimethylpentane	4.626	57	441234	9.451	ppbv	100
45) t-1,3-Dichloropropene	6.399	75	129122	9.601	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043204.D
Acq On : 18 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 19 00:49:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

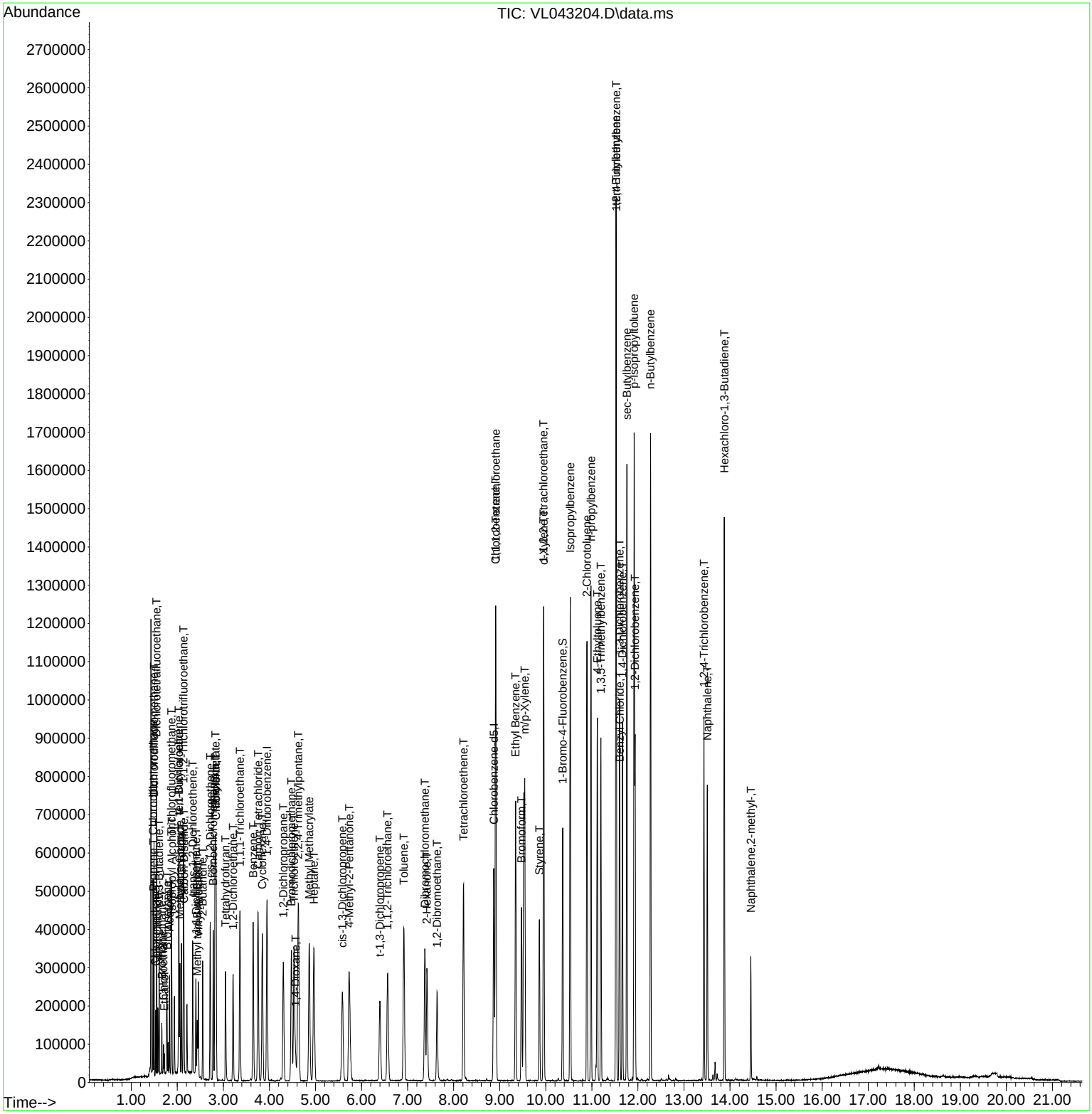
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	151655	9.603	ppbv		100
47) 1,1,2-Trichloroethane	6.564	97	97512	9.193	ppbv		100
48) Dibromochloromethane	7.377	129	175529	9.670	ppbv		100
49) Bromoform	9.474	173	157563	9.800	ppbv		100
50) 4-Methyl-2-Pentanone	5.733	43	268369	9.509	ppbv		100
51) 2-Hexanone	7.419	43	208268	9.503	ppbv	#	100
52) Tetrachloroethene	8.212	164	93518	9.249	ppbv		100
53) Toluene	6.920	91	305169	9.422	ppbv		100
54) 1,2-Dibromoethane	7.639	107	148973	9.588	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.914	131	158856	9.207	ppbv		100
57) Chlorobenzene	8.911	112	227490	9.438	ppbv		100
58) Ethyl Benzene	9.345	91	427530	9.461	ppbv		100
59) m/p-Xylene	9.542	91	316603	8.707	ppbv	#	22
60) o-Xylene	9.956	91	333044	9.202	ppbv		100
61) Styrene	9.863	104	152172	9.607	ppbv		100
62) Isopropylbenzene	10.533	105	600155	9.269	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.953	83	209272	9.109	ppbv		100
64) n-propylbenzene	10.982	120	154239	9.271	ppbv		100
65) tert-Butylbenzene	11.523	119	522106	9.029	ppbv		100
66) Benzyl Chloride	11.607	91	56620	9.649	ppbv		100
67) sec-Butylbenzene	11.762	105	729573	9.039	ppbv		100
69) p-Isopropyltoluene	11.918	119	624586	9.135	ppbv		100
70) n-Butylbenzene	12.274	91	619610	9.341	ppbv		100
71) 2-Chlorotoluene	10.895	91	460118	9.245	ppbv		100
72) 4-Ethyltoluene	11.118	105	410587	9.316	ppbv		100
73) 1,3,5-Trimethylbenzene	11.196	105	341900	9.244	ppbv		100
74) 1,2,4-Trimethylbenzene	11.529	105	363476	9.005	ppbv		100
75) 1,3-Dichlorobenzene	11.601	146	219894	9.335	ppbv		100
76) 1,4-Dichlorobenzene	11.665	146	220576	9.363	ppbv		100
77) 1,2-Dichlorobenzene	11.940	146	204826	9.044	ppbv		100
78) Hexachloro-1,3-Butadiene	13.876	225	161034	8.520	ppbv		100
79) Naphthalene	13.507	128	351148	9.795	ppbv		100
80) Naphthalene,2-methyl-	14.452	142	93113	9.895	ppbv		100
81) 1,2,4-Trichlorobenzene	13.436	180	159091	9.923	ppbv		100

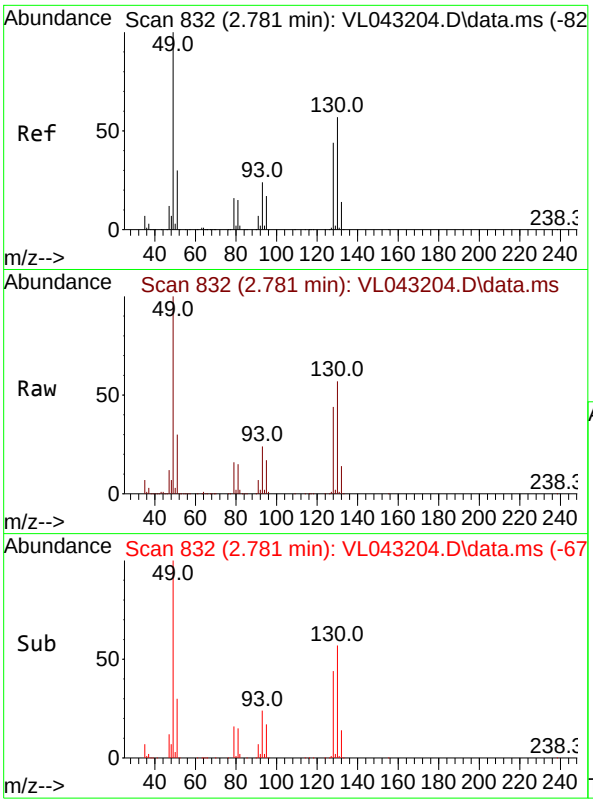
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043204.D
Acq On : 18 Nov 2025 10:02
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 19 00:49:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



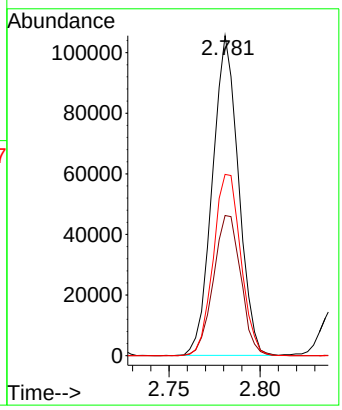


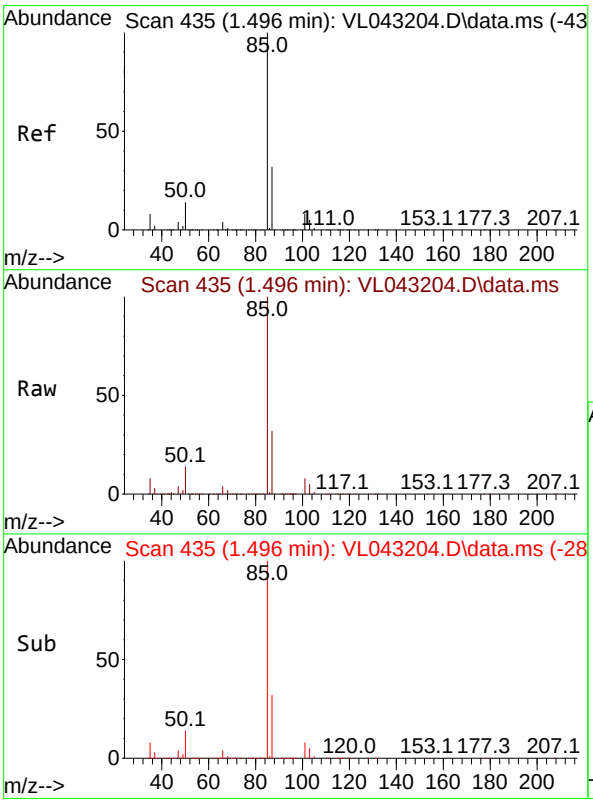
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 105095

Ion	Ratio	Lower	Upper
49	100		
128	46.0	23.0	69.0
130	59.8	29.9	89.7

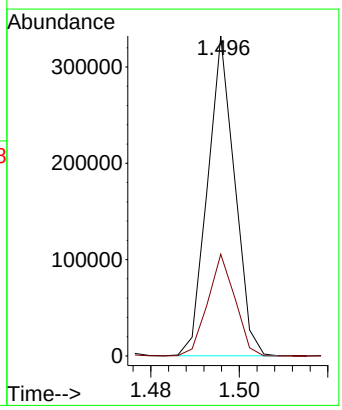


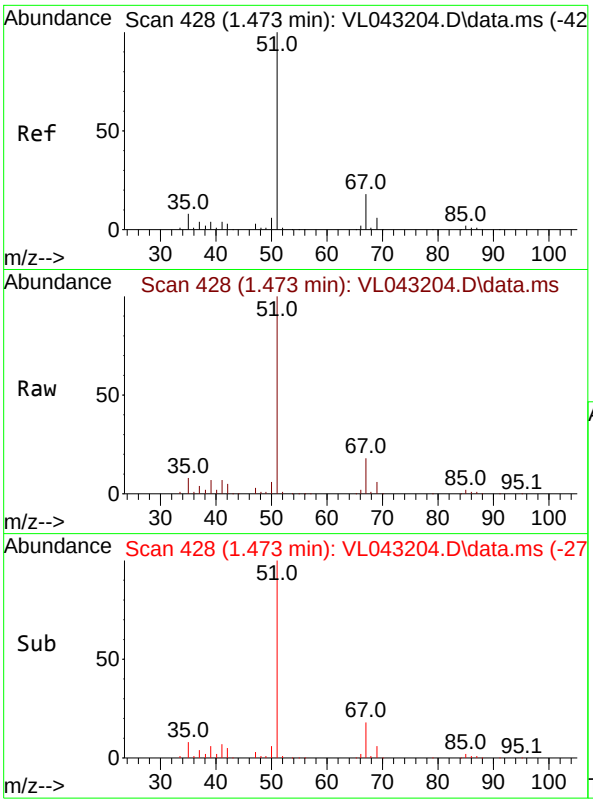


#2
Dichlorodifluoromethane
Concen: 9.498 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 85 Resp: 140789

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.4	38.2



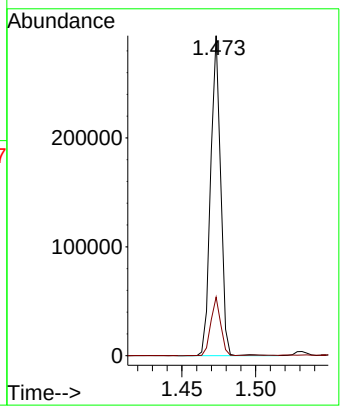


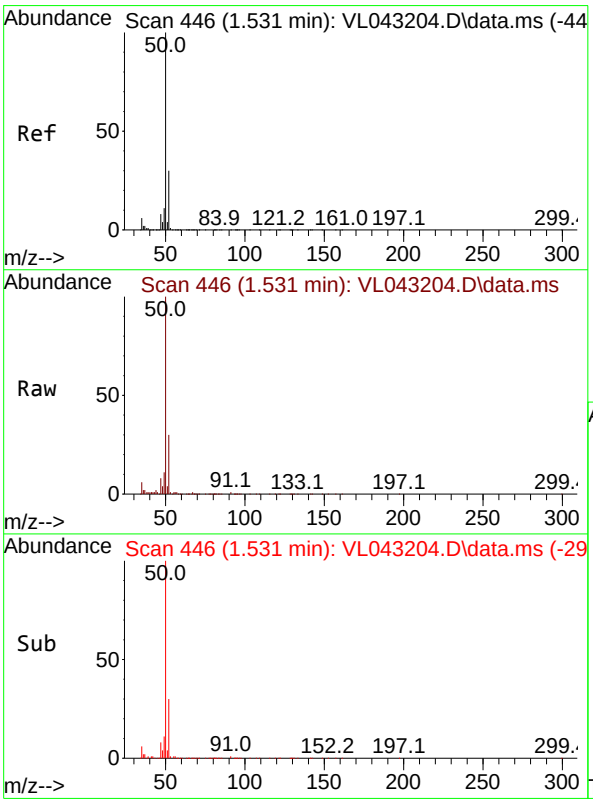
#3
Chlorodifluoromethane
Concen: 9.497 ppbv
RT: 1.473 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 138443

Ion	Ratio	Lower	Upper
51	100		
67	18.6	14.9	22.3

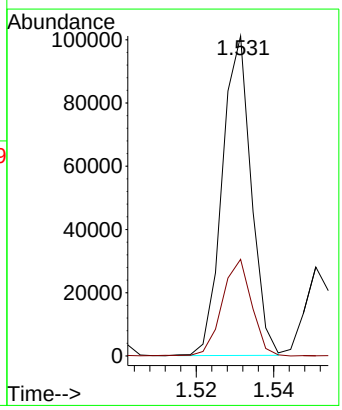


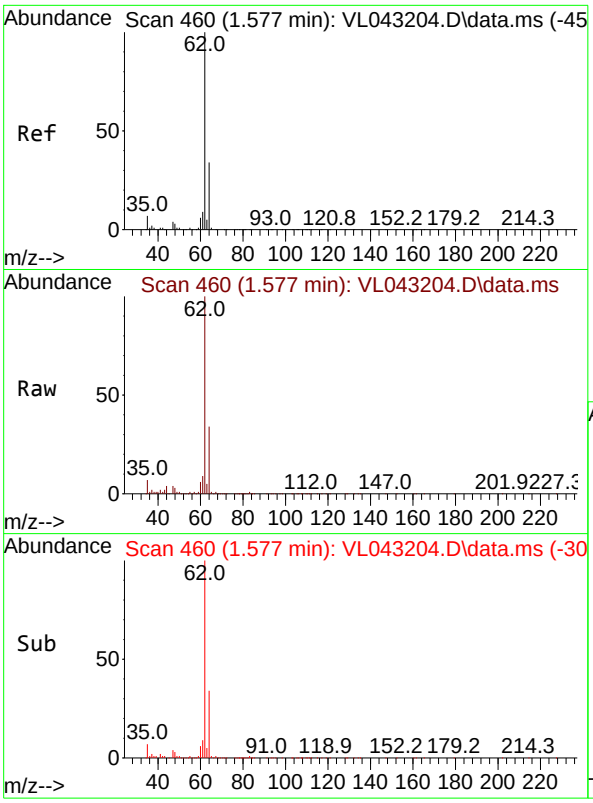


#4
Chloromethane
Concen: 9.450 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 50 Resp: 52372

Ion	Ratio	Lower	Upper
50	100		
52	30.1	24.1	36.1



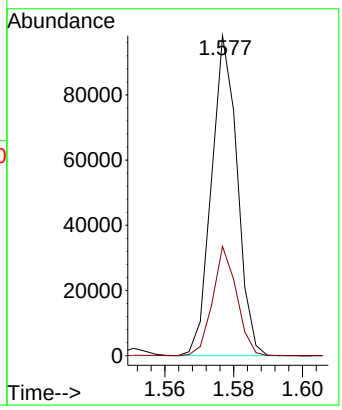


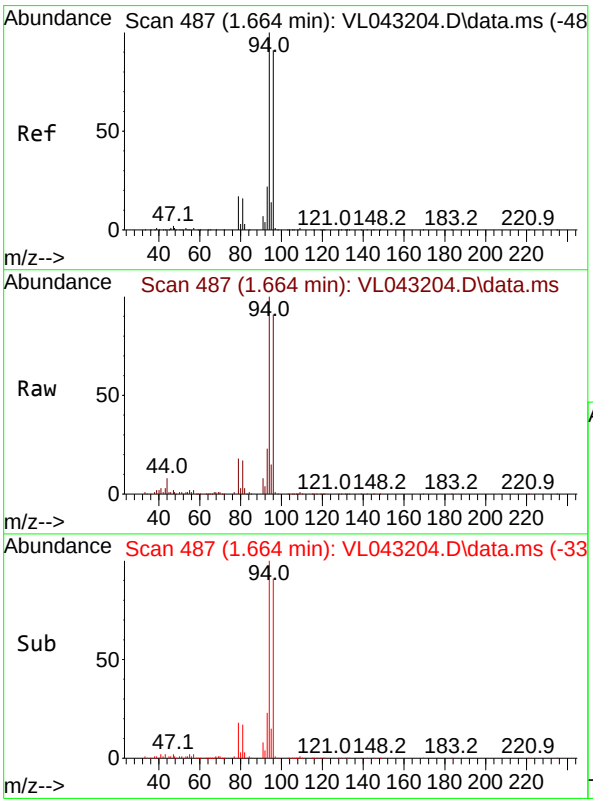
#5
Vinyl Chloride
Concen: 8.422 ppbv
RT: 1.577 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 51045

Ion	Ratio	Lower	Upper
62	100		
64	34.1	27.3	40.9

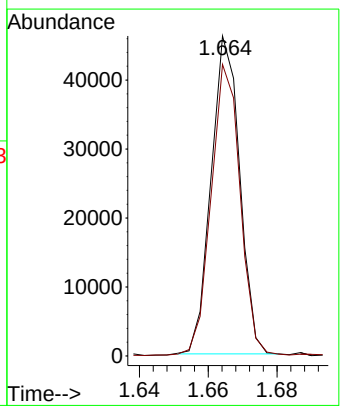


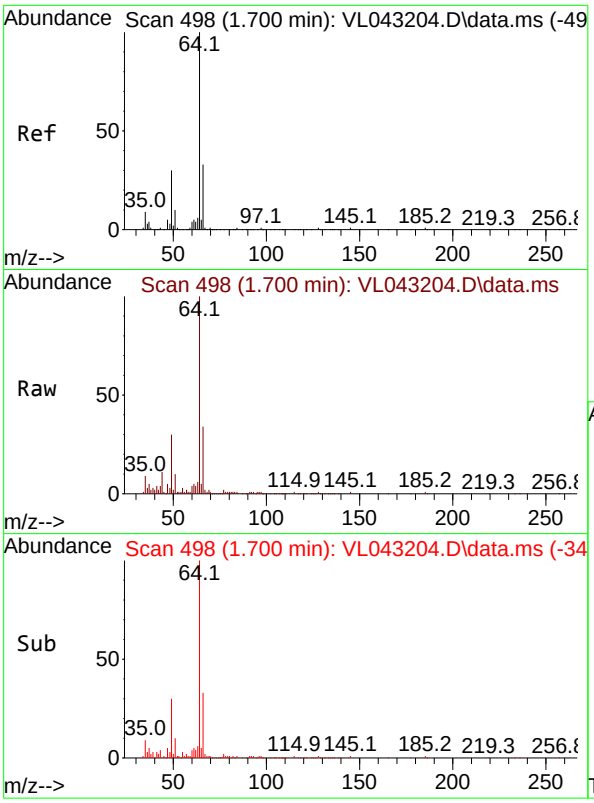


#6
Bromomethane
Concen: 9.034 ppbv
RT: 1.664 min Scan# 487
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 94 Resp: 26542

Ion	Ratio	Lower	Upper
94	100		
96	91.1	72.9	109.3



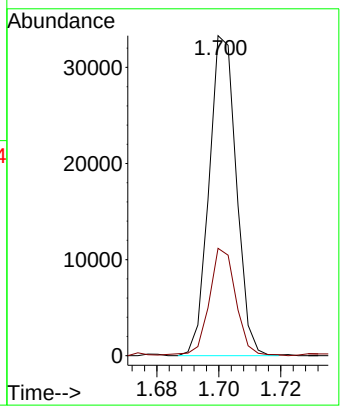


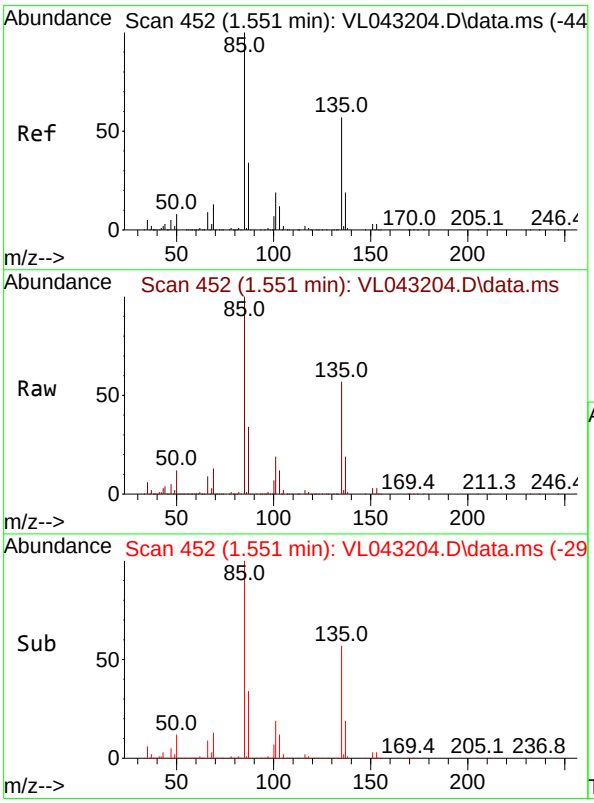
#7
Chloroethane
Concen: 8.632 ppbv
RT: 1.700 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 20375

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.8	40.2

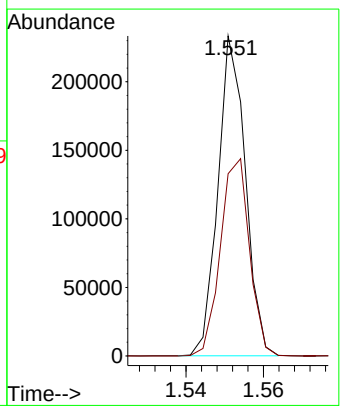


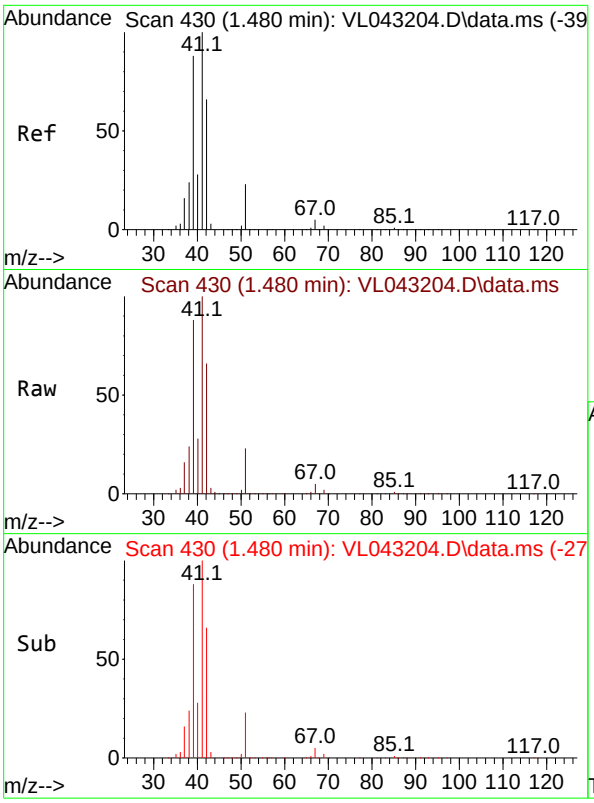


#8
Dichlorotetrafluoroethane
Concen: 9.300 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 85 Resp: 114670

Ion	Ratio	Lower	Upper
85	100		
135	65.8	52.6	79.0



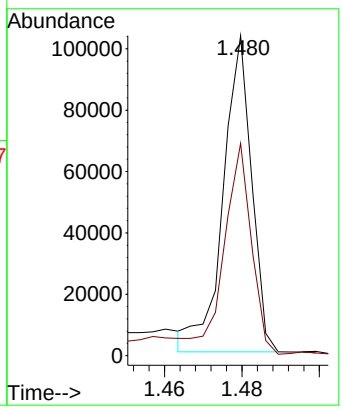


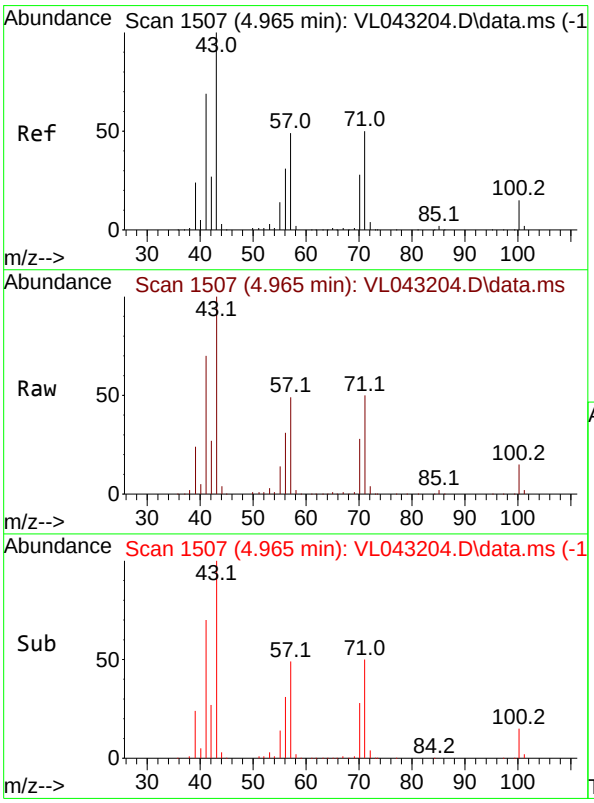
#9
Propene
Concen: 7.789 ppbv
RT: 1.480 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 52671

Ion	Ratio	Lower	Upper
41	100		
42	105.2	3.7	5.5#

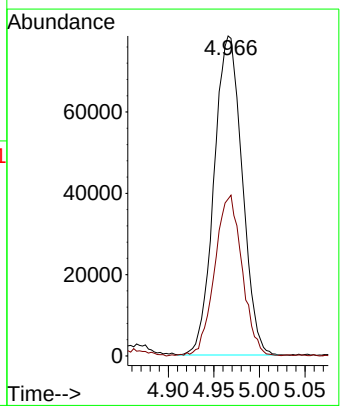


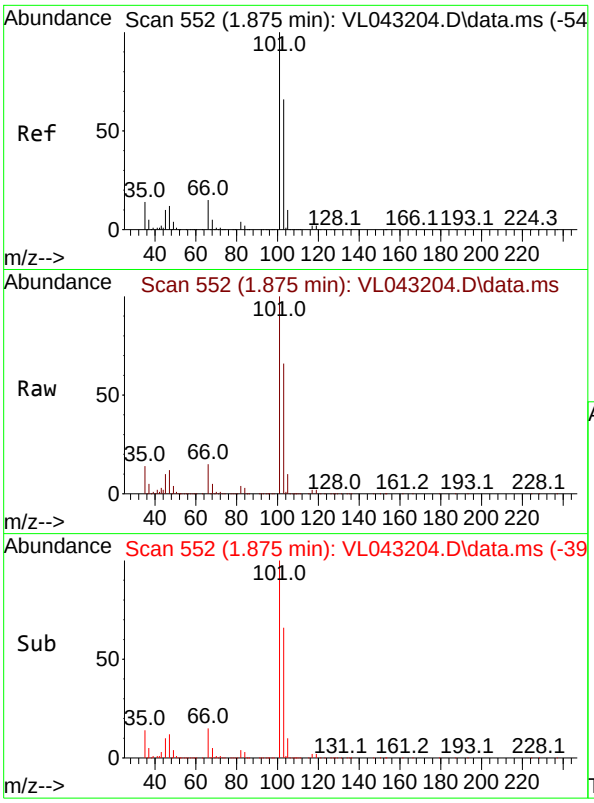


#10
Heptane
Concen: 9.090 ppbv
RT: 4.965 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 168611

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.7	59.5



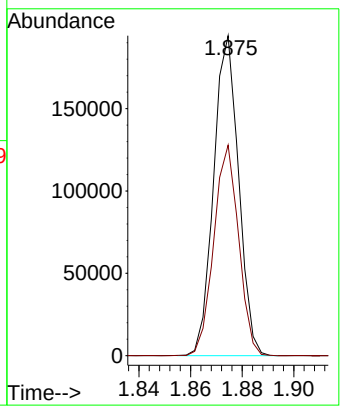


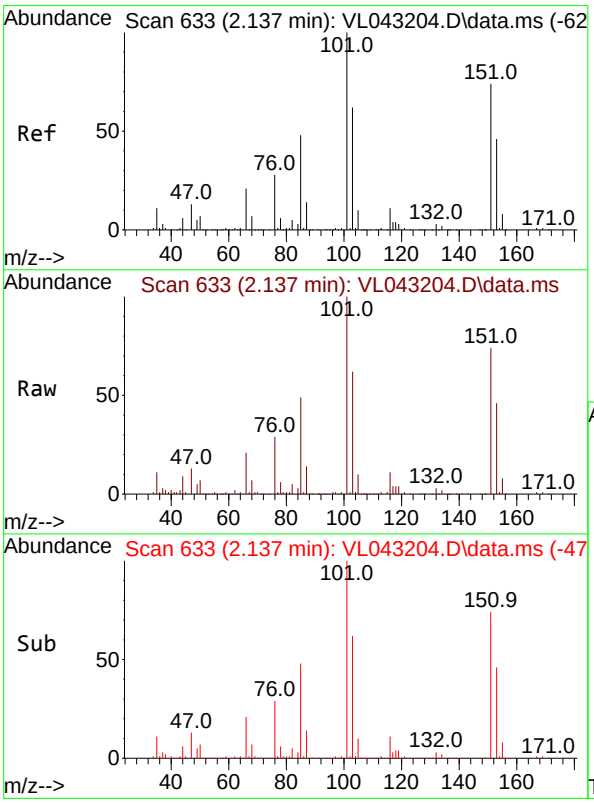
#11
Trichlorofluoromethane
Concen: 9.077 ppbv
RT: 1.875 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 130362

Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	79.0

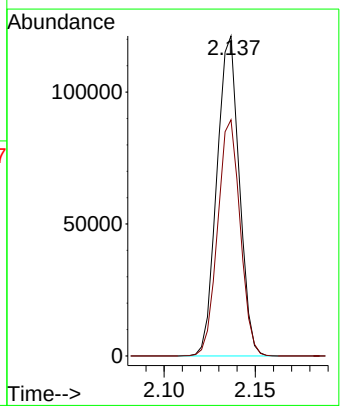


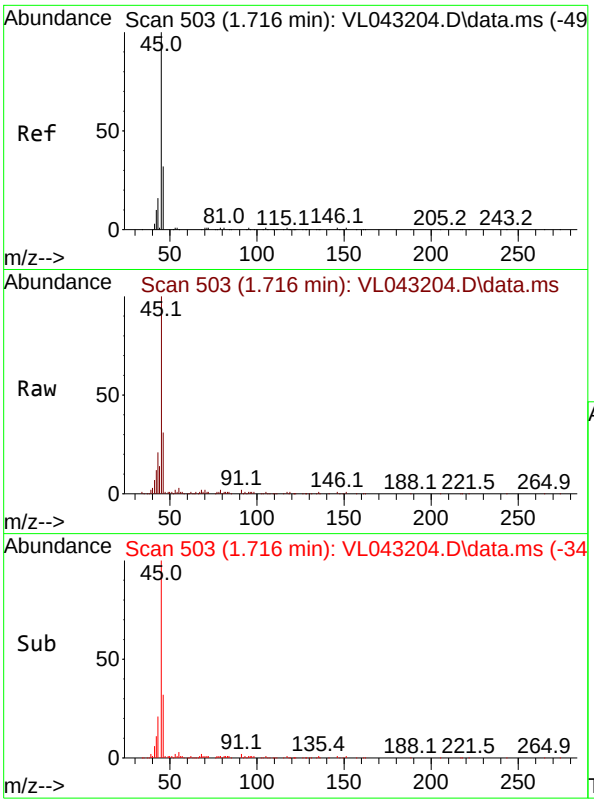


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.247 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:101 Resp: 103679

Ion	Ratio	Lower	Upper
101	100		
151	74.0	59.2	88.8



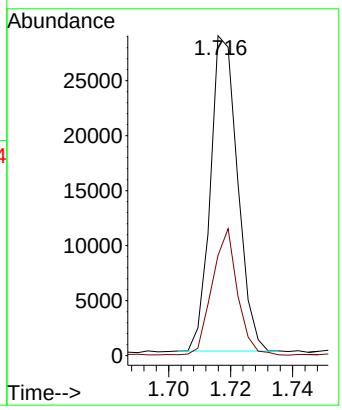


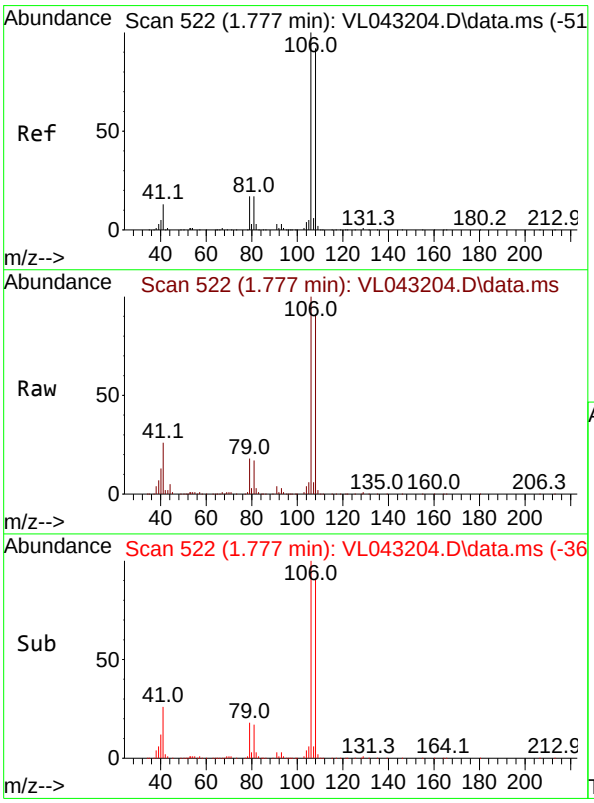
#13
Ethanol
Concen: 8.023 ppbv
RT: 1.716 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 17464

Ion	Ratio	Lower	Upper
45	100		
46	37.4	15.0	59.8

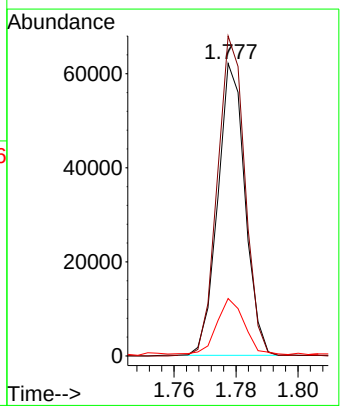


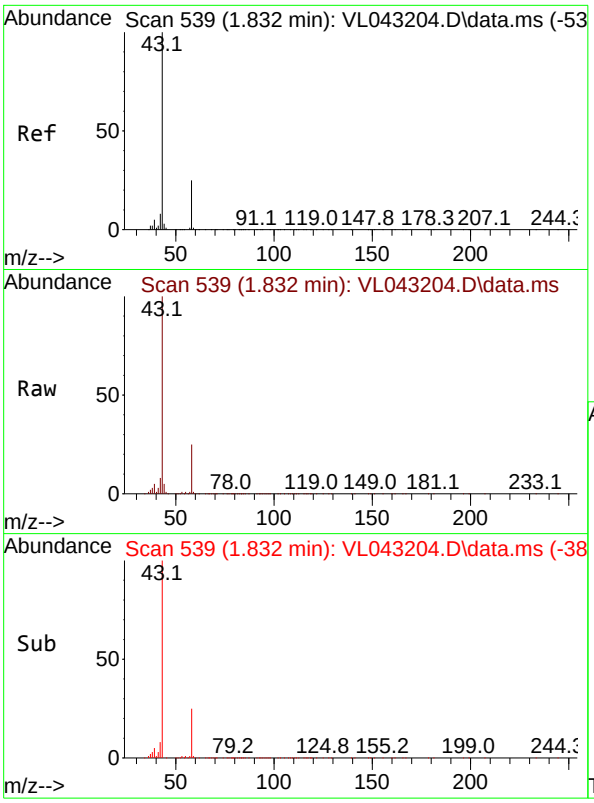


#14
Bromoethene
Concen: 8.849 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:108 Resp: 38037

Ion	Ratio	Lower	Upper
108	100		
106	111.1	88.9	133.3
79	20.6	16.5	24.7



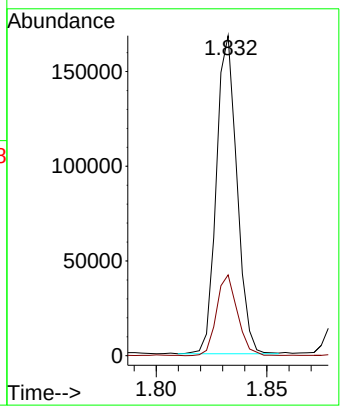


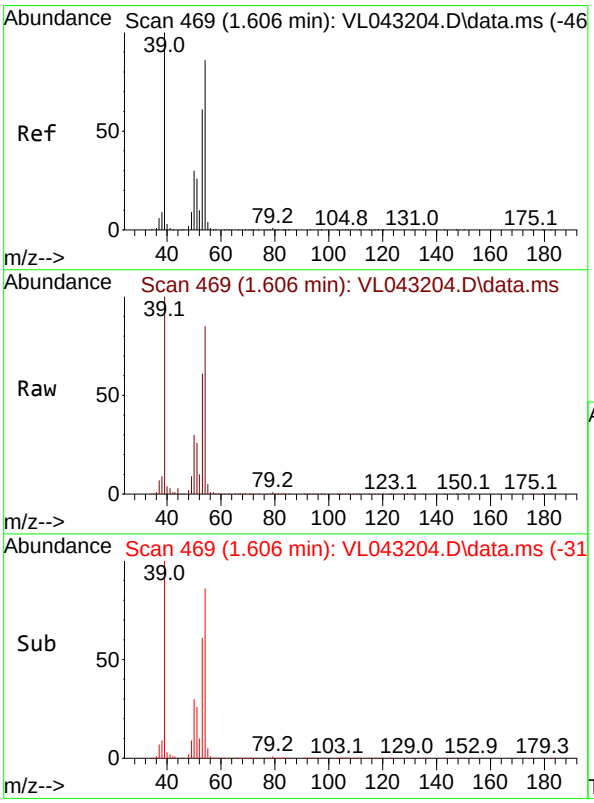
#15
Acetone
Concen: 7.426 ppbv
RT: 1.832 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 108422

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.7	31.1

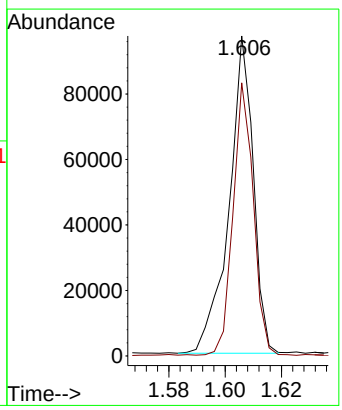


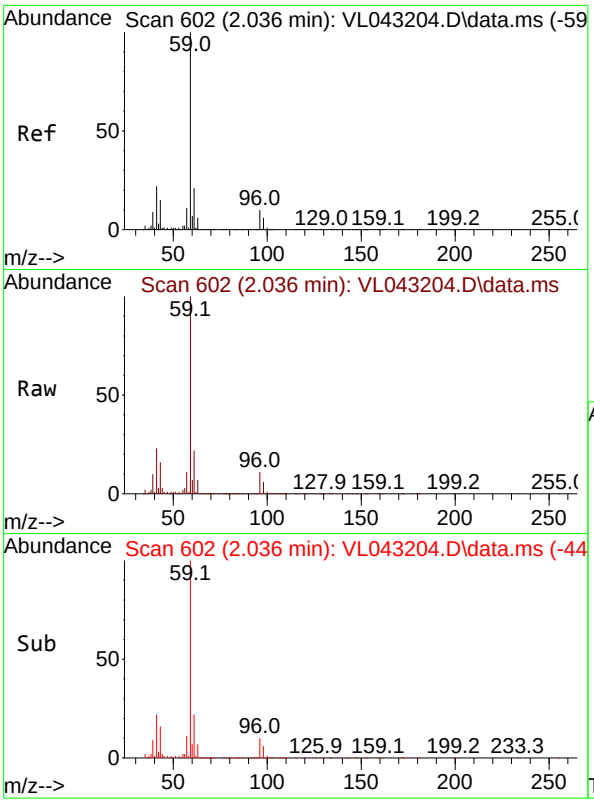


#16
1,3-Butadiene
Concen: 8.890 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 39 Resp: 57871

Ion	Ratio	Lower	Upper
39	100		
54	74.3	59.4	89.2



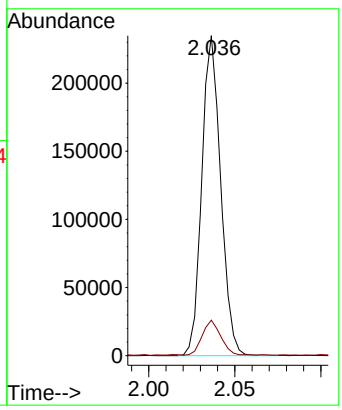


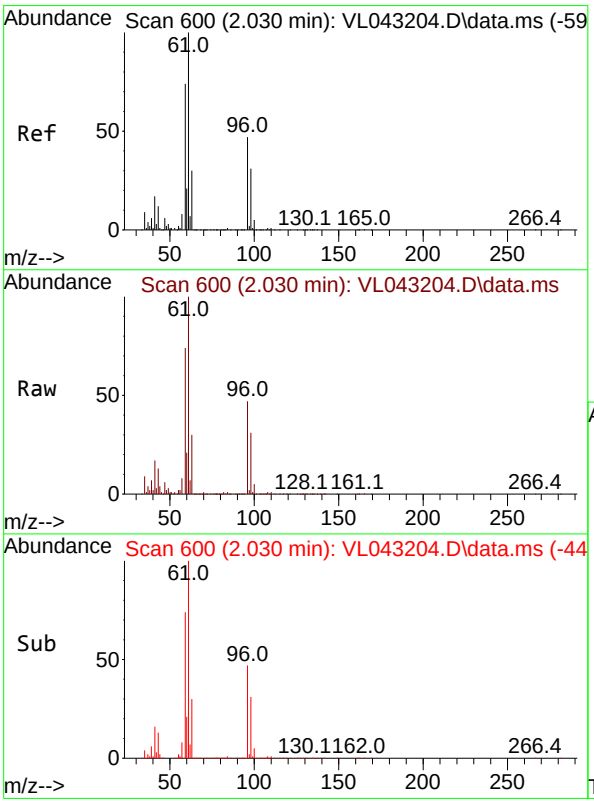
#17
tert-Butyl alcohol
Concen: 9.350 ppbv
RT: 2.036 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 179201

Ion	Ratio	Lower	Upper
59	100		
57	11.2	9.0	13.4

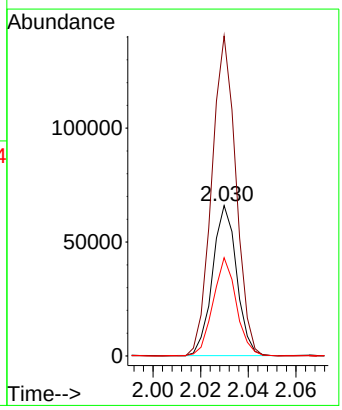


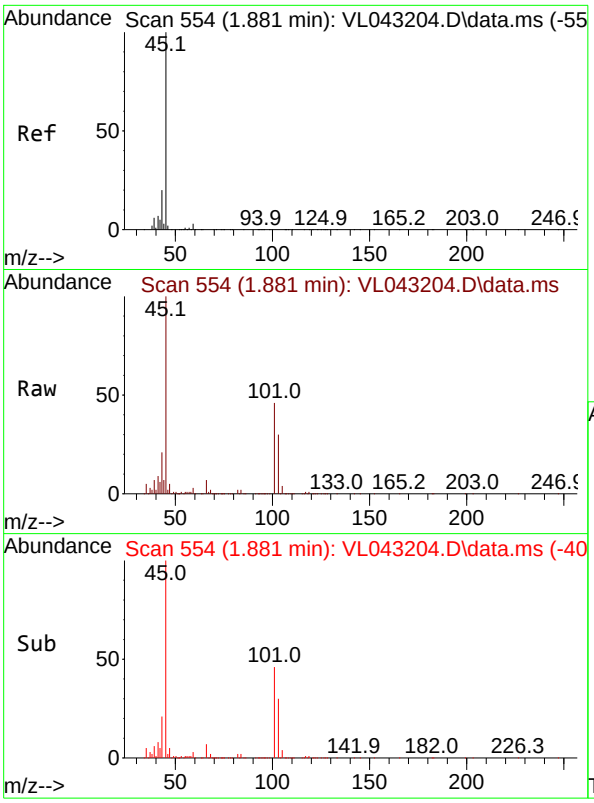


#18
1,1-Dichloroethene
Concen: 8.871 ppbv
RT: 2.030 min Scan# 600
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 96 Resp: 46313

Ion	Ratio	Lower	Upper
96	100		
61	213.2	170.6	255.8
98	65.3	52.2	78.4



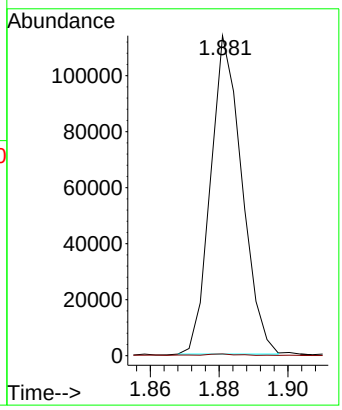


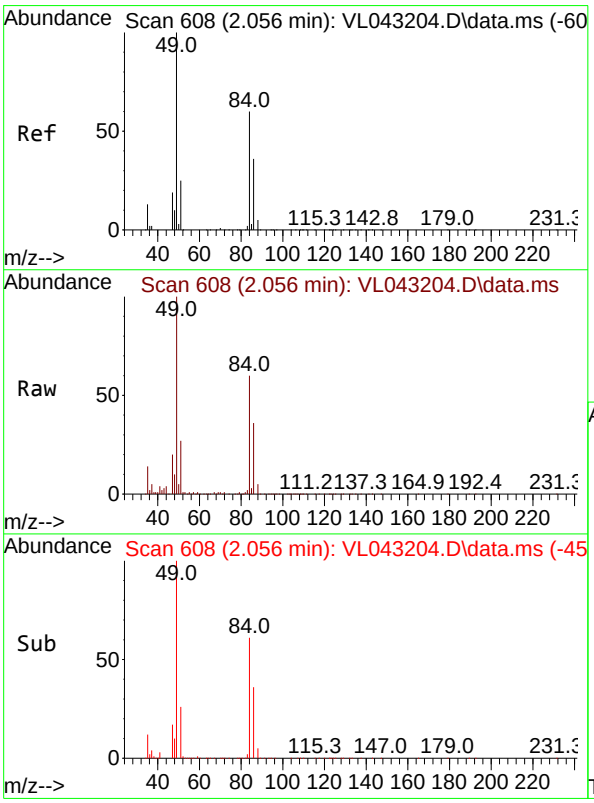
#19
Isopropyl Alcohol
Concen: 8.710 ppbv
RT: 1.881 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 71862

Ion	Ratio	Lower	Upper
45	100		
58	39.1	31.3	46.9

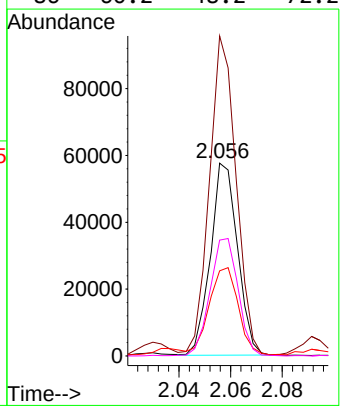


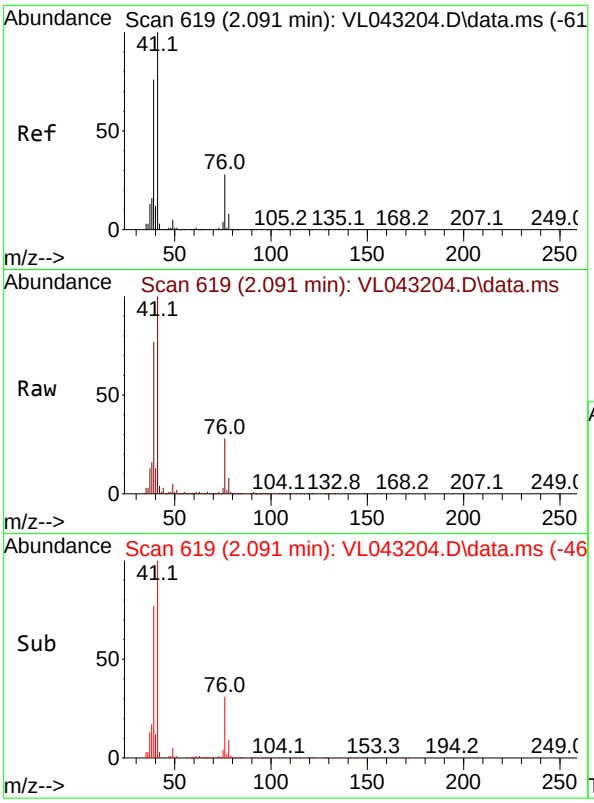


#20
Methylene Chloride
Concen: 9.708 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 84 Resp: 41868

Ion	Ratio	Lower	Upper
84	100		
49	166.1	132.9	199.3
51	43.5	34.8	52.2
86	60.2	48.2	72.2



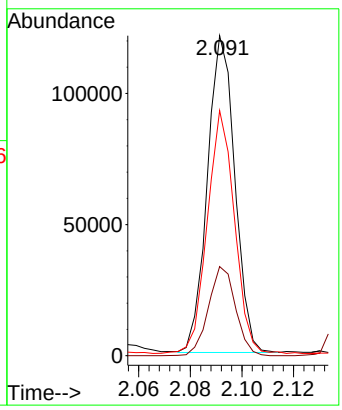


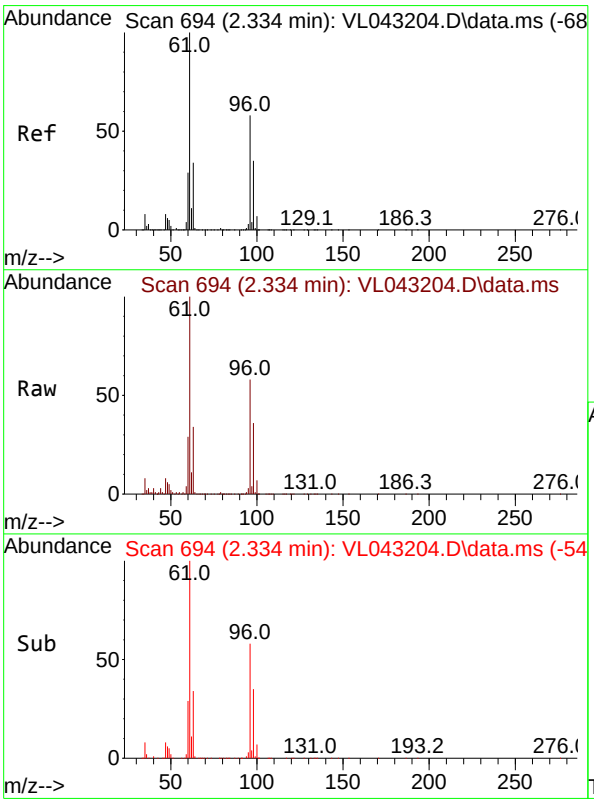
#21
Allyl Chloride
Concen: 9.087 ppbv
RT: 2.091 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 89266

Ion	Ratio	Lower	Upper
41	100		
76	27.6	22.1	33.1
39	76.2	61.0	91.4

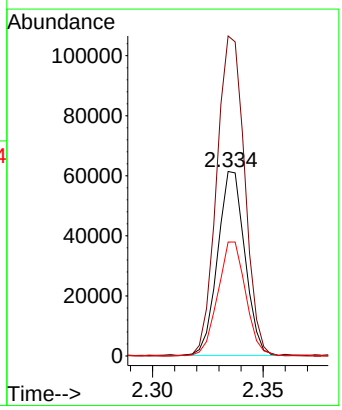


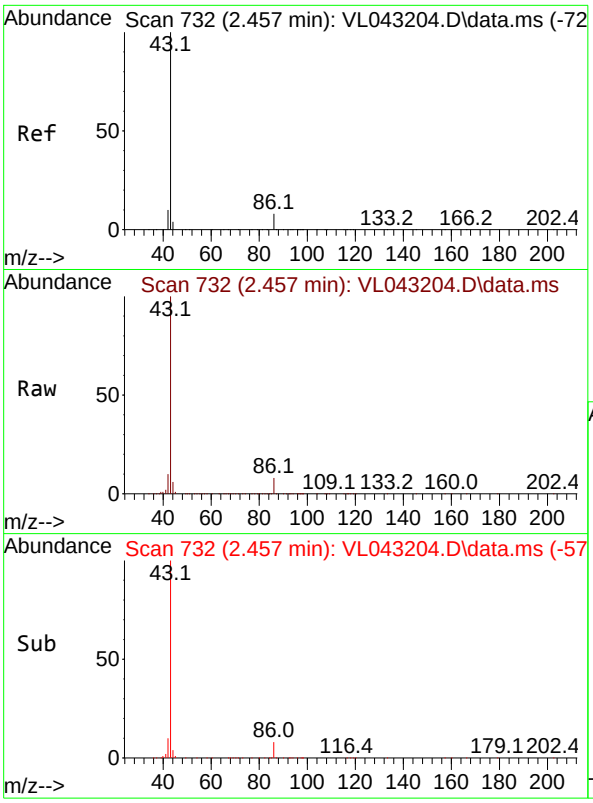


#22
trans-1,2-Dichloroethene
Concen: 8.793 ppbv
RT: 2.334 min Scan# 694
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 96 Resp: 52470

Ion	Ratio	Lower	Upper
96	100		
61	173.8	139.0	208.6
98	61.8	49.4	74.2



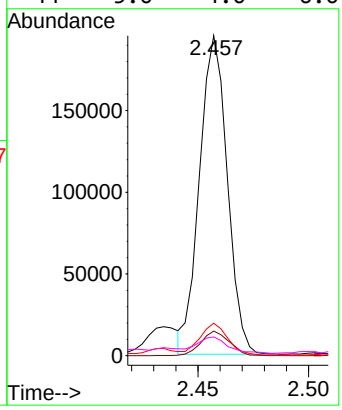


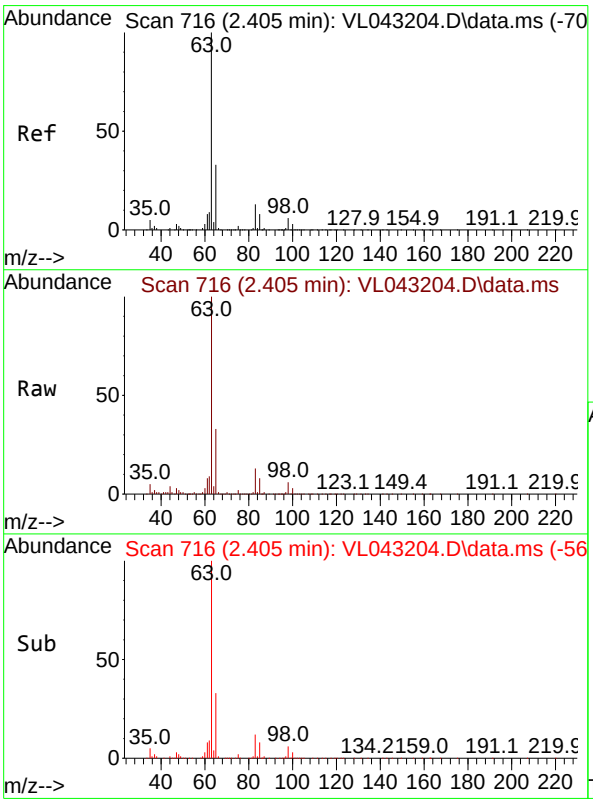
#23
Vinyl Acetate
Concen: 9.670 ppbv
RT: 2.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 170459

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.2	9.2
42	10.0	8.0	12.0
44	5.0	4.0	6.0

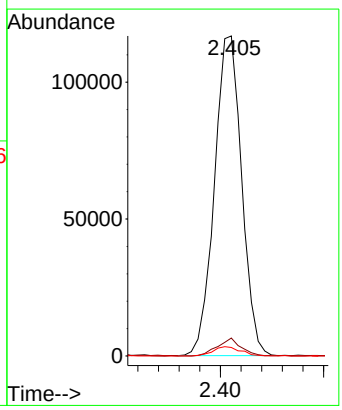


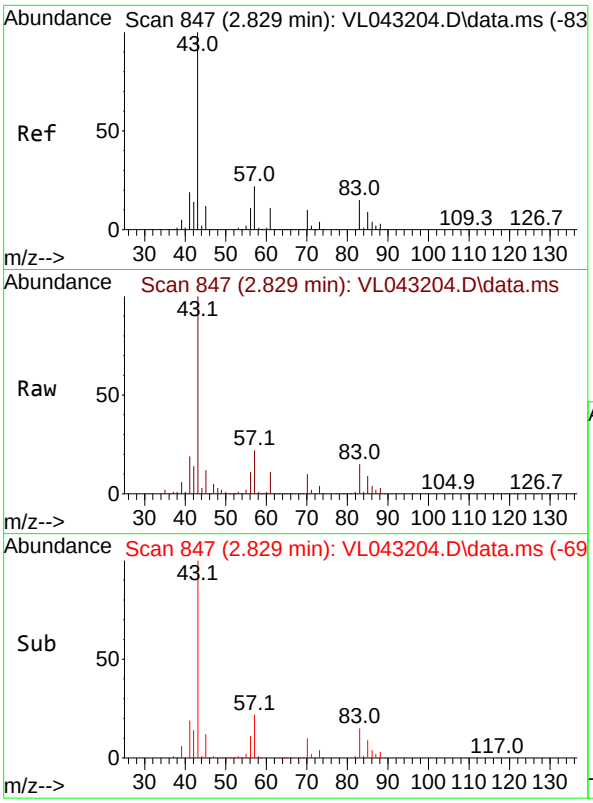


#24
1,1-Dichloroethane
Concen: 9.287 ppbv
RT: 2.405 min Scan# 716
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 63 Resp: 106970

Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.8	8.4
100	2.6	1.3	3.9



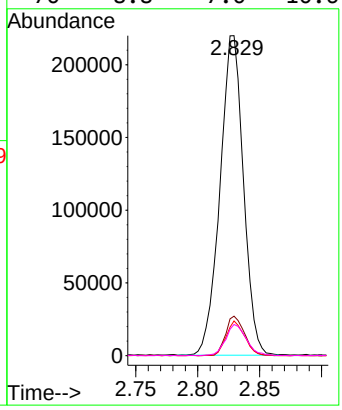


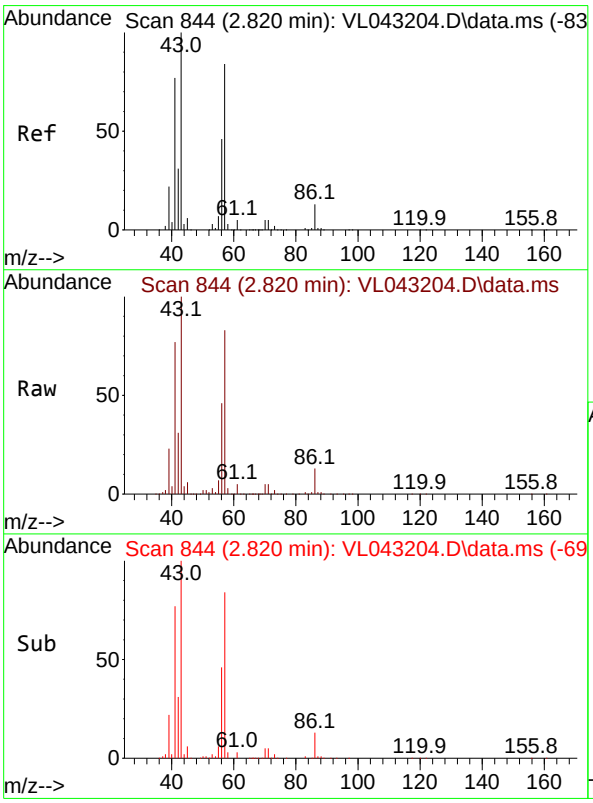
#25
Ethyl Acetate
Concen: 9.190 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 289921

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	8.7	7.0	10.4
70	8.8	7.0	10.6

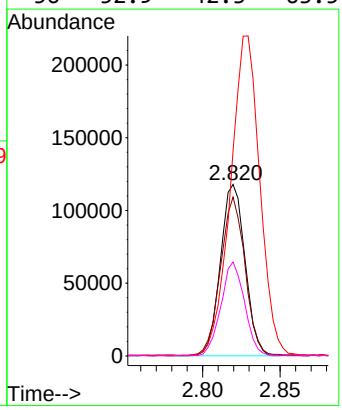


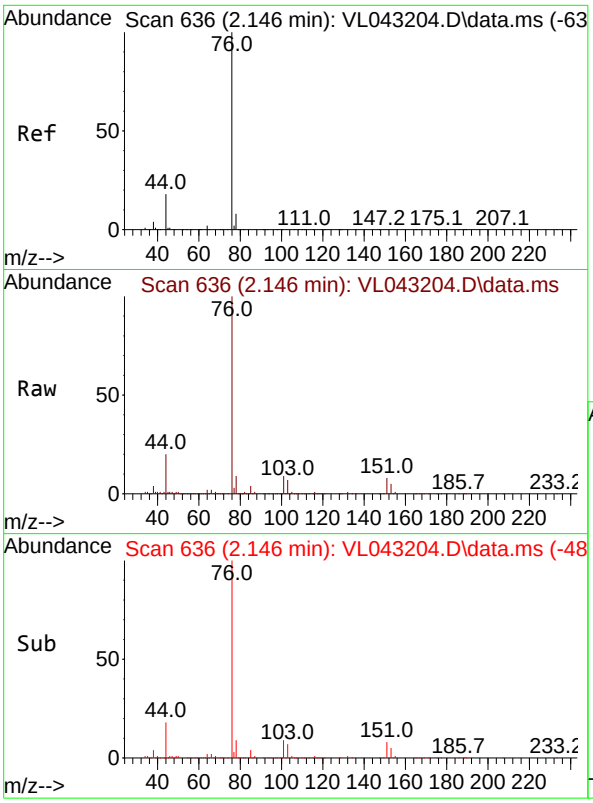


#26
Hexane
Concen: 9.402 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 57 Resp: 129809

Ion	Ratio	Lower	Upper
57	100		
41	93.2	74.6	111.8
43	223.7	179.0	268.4
56	52.9	42.3	63.5



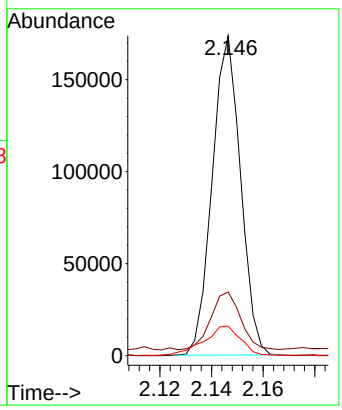


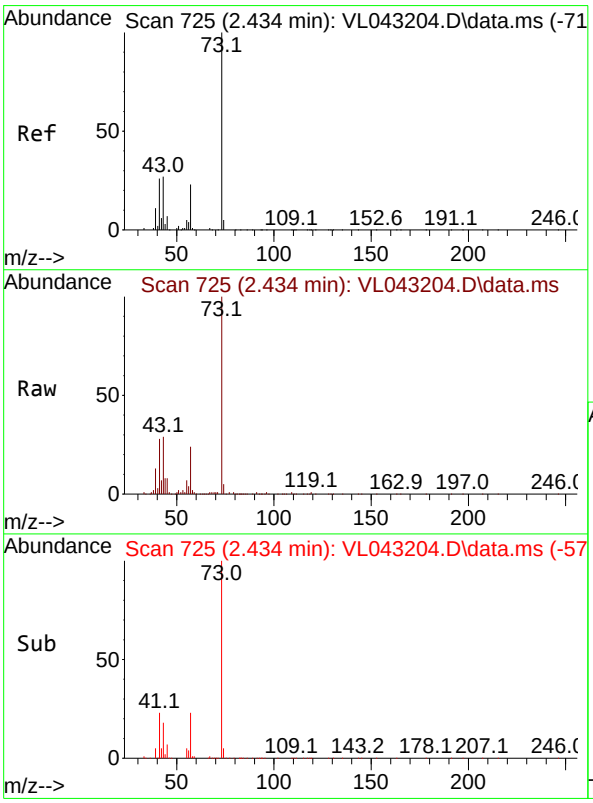
#27
Carbon Disulfide
Concen: 9.371 ppbv
RT: 2.146 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 132086

Ion	Ratio	Lower	Upper
76	100		
44	20.1	16.1	24.1
78	12.0	9.6	14.4

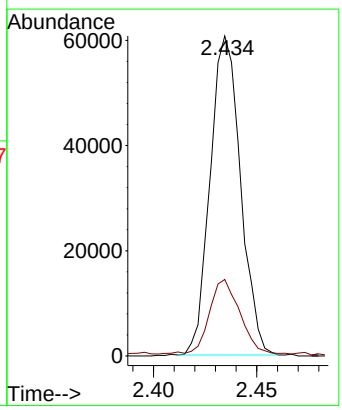


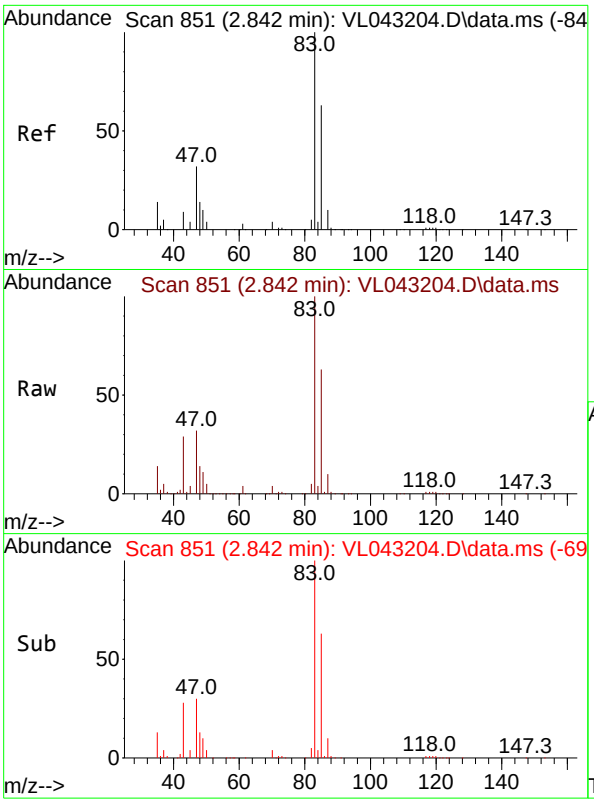


#28
Methyl tert-Butyl Ether
Concen: 9.165 ppbv
RT: 2.434 min Scan# 725
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 73 Resp: 62115

Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.8	29.8



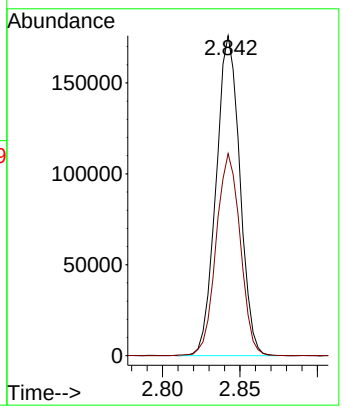


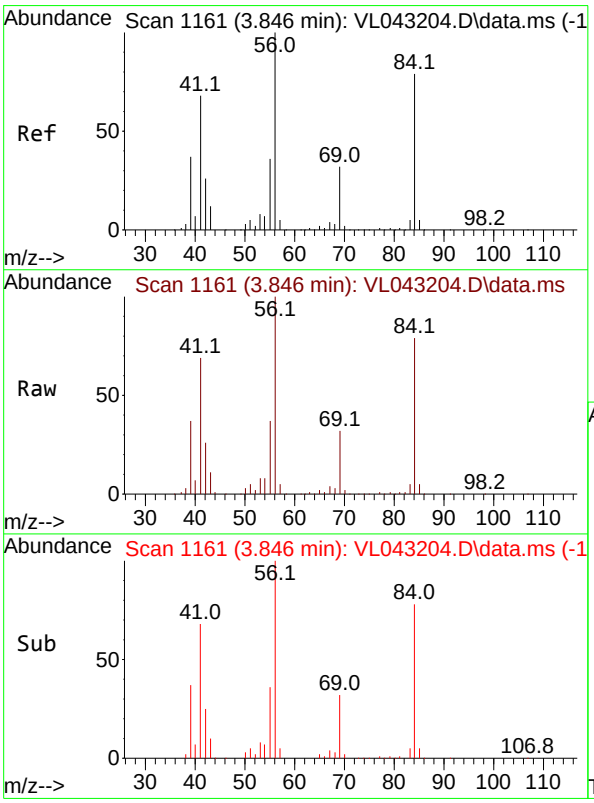
#29
Chloroform
Concen: 9.561 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 187620

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7

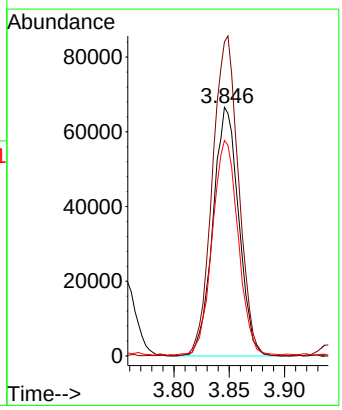


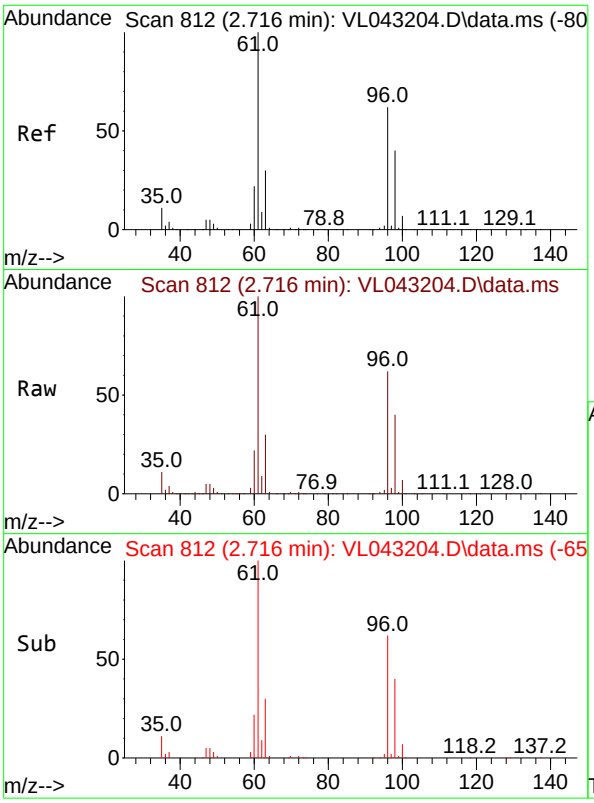


#30
Cyclohexane
Concen: 9.297 ppbv
RT: 3.846 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 84 Resp: 107621

Ion	Ratio	Lower	Upper
84	100		
56	130.9	104.7	157.1
41	86.3	69.0	103.6



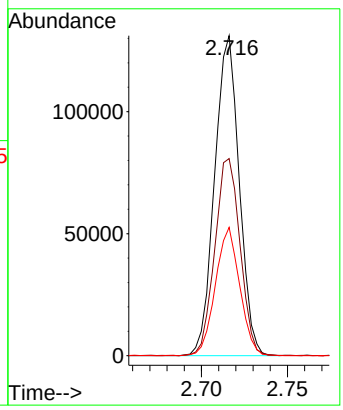


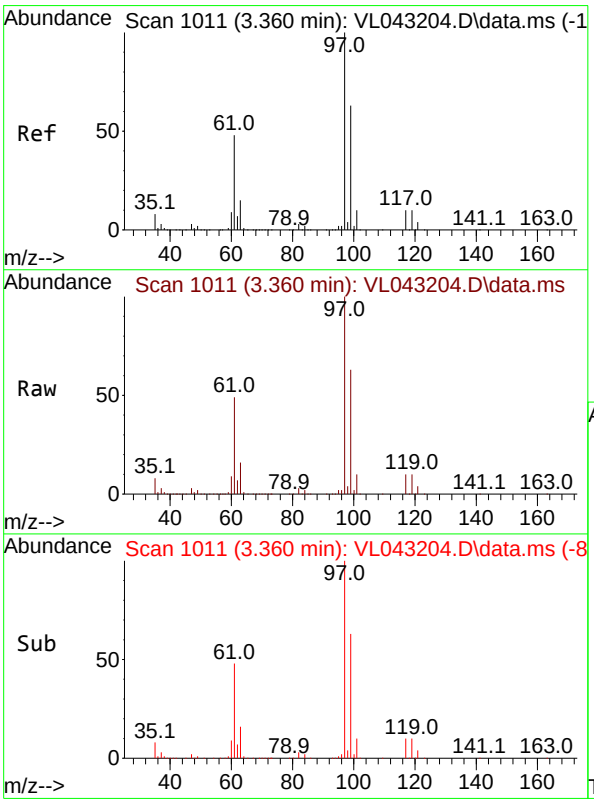
#31
cis-1,2-Dichloroethene
Concen: 9.499 ppbv
RT: 2.716 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 130357

Ion	Ratio	Lower	Upper
61	100		
96	61.6	49.3	73.9
98	40.1	32.1	48.1

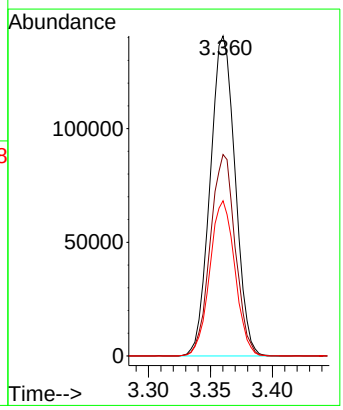


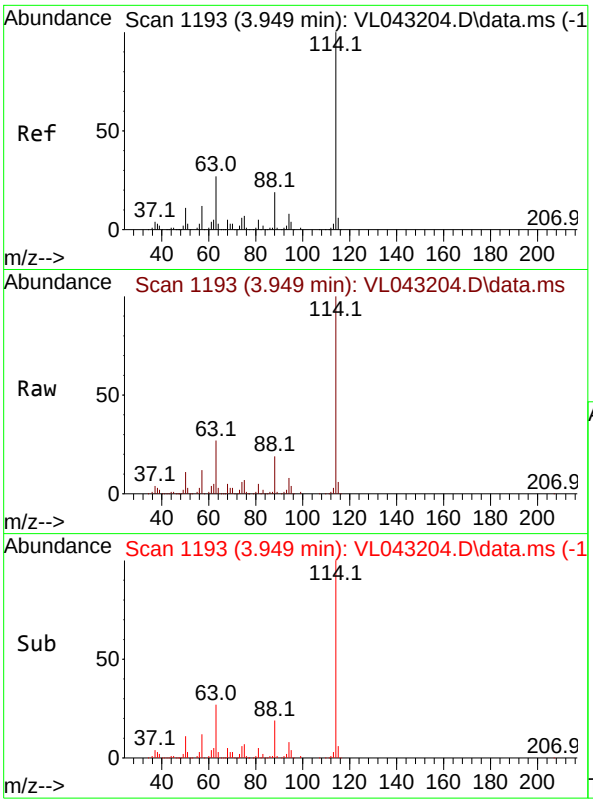


#32
1,1,1-Trichloroethane
Concen: 9.381 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 97 Resp: 198036

Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.3	75.5
61	48.6	38.9	58.3



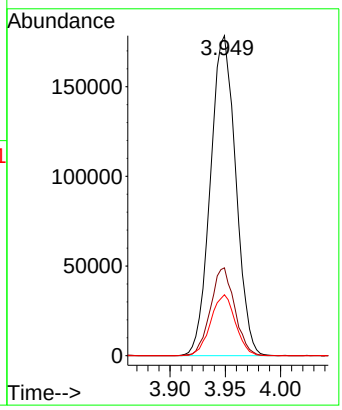


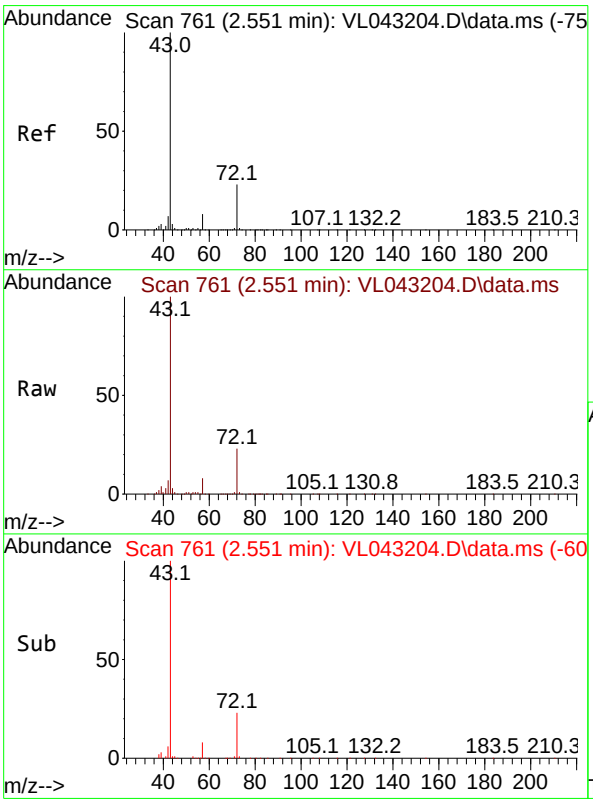
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 283830

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.0	31.6
88	18.6	14.9	22.3

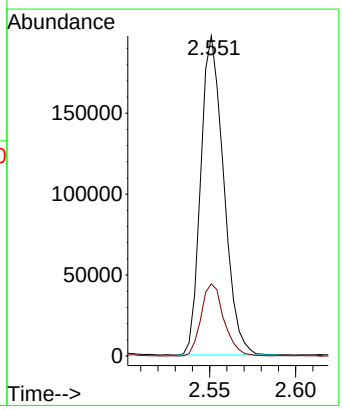


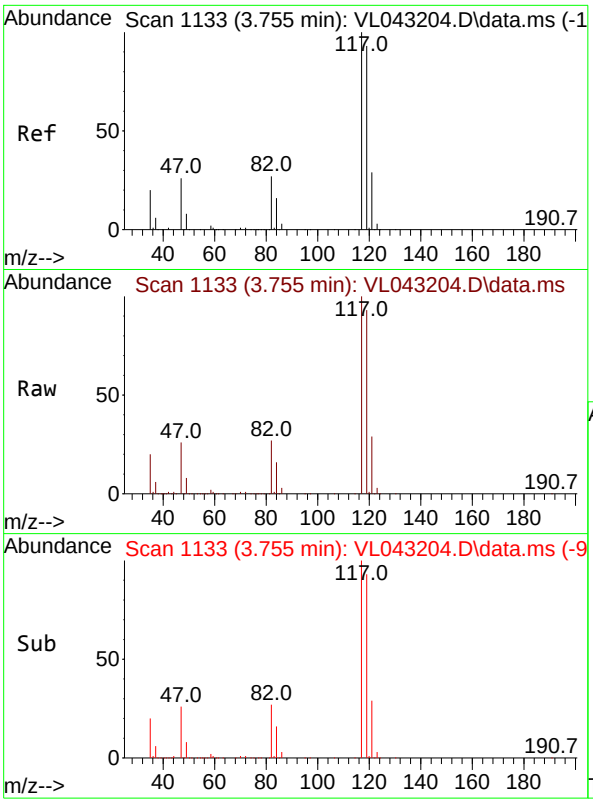


#34
2-Butanone
Concen: 9.121 ppbv
RT: 2.551 min Scan# 761
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 182749

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1



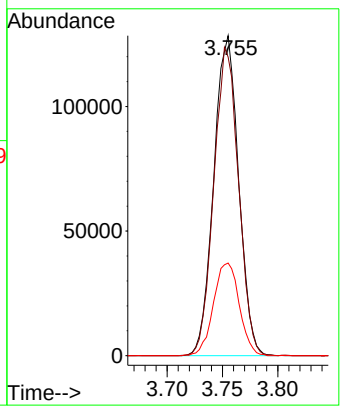


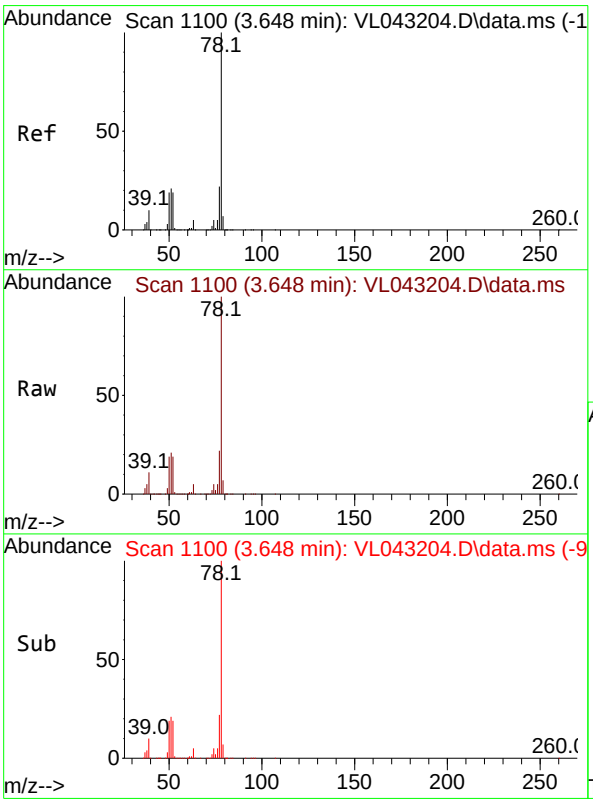
#35
Carbon Tetrachloride
Concen: 9.322 ppbv
RT: 3.755 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 200831

Ion	Ratio	Lower	Upper
117	100		
119	93.3	74.6	112.0
121	29.0	23.2	34.8

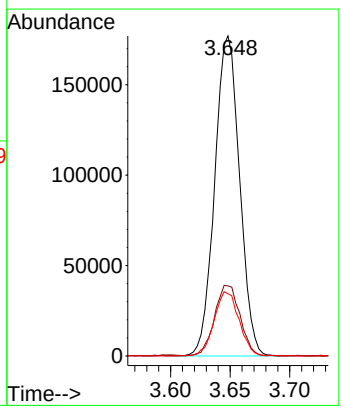


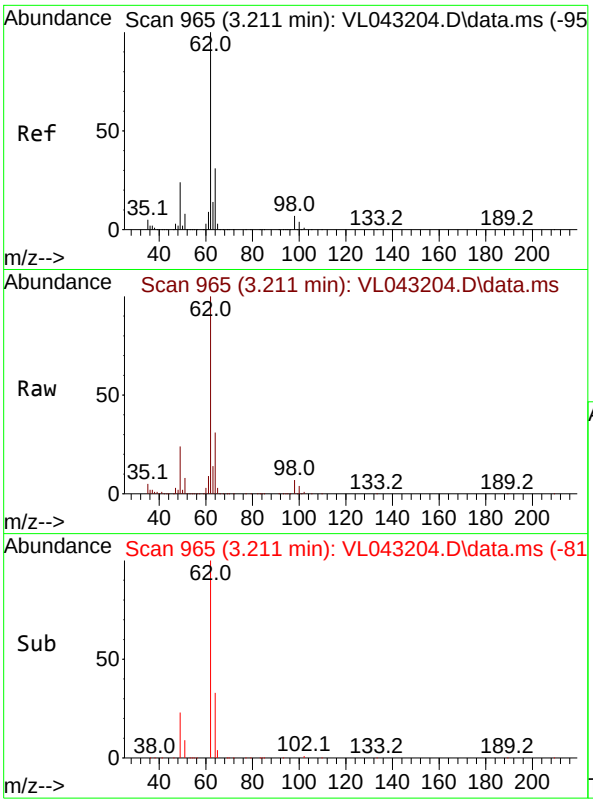


#36
Benzene
Concen: 9.453 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 78 Resp: 256954

Ion	Ratio	Lower	Upper
78	100		
77	21.9	17.5	26.3
50	19.4	15.5	23.3



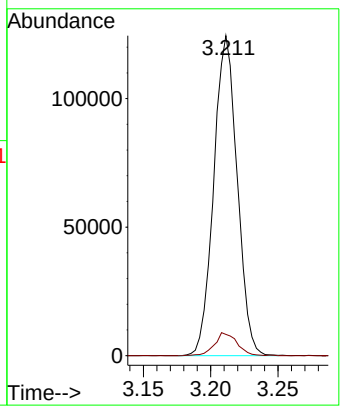


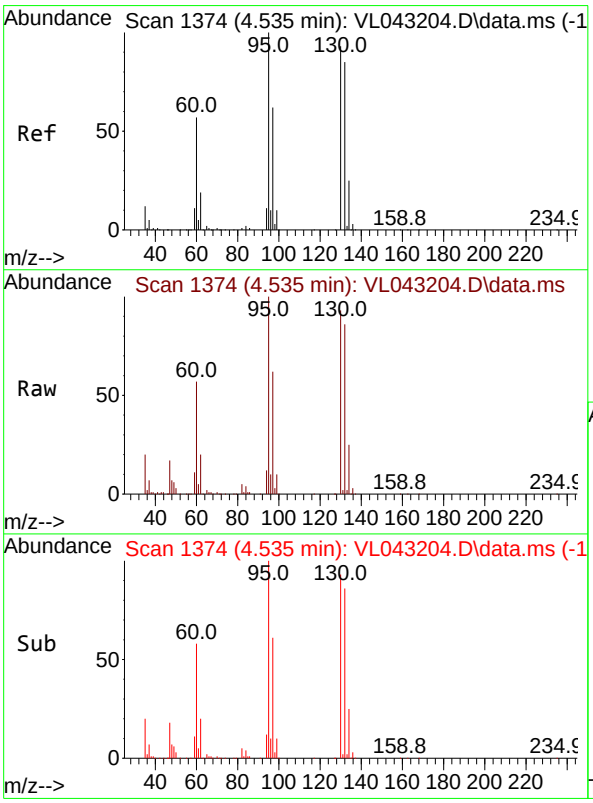
#37
1,2-Dichloroethane
Concen: 9.483 ppbv
RT: 3.211 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 150769

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.5	8.3

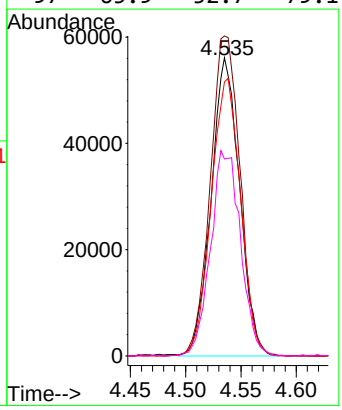


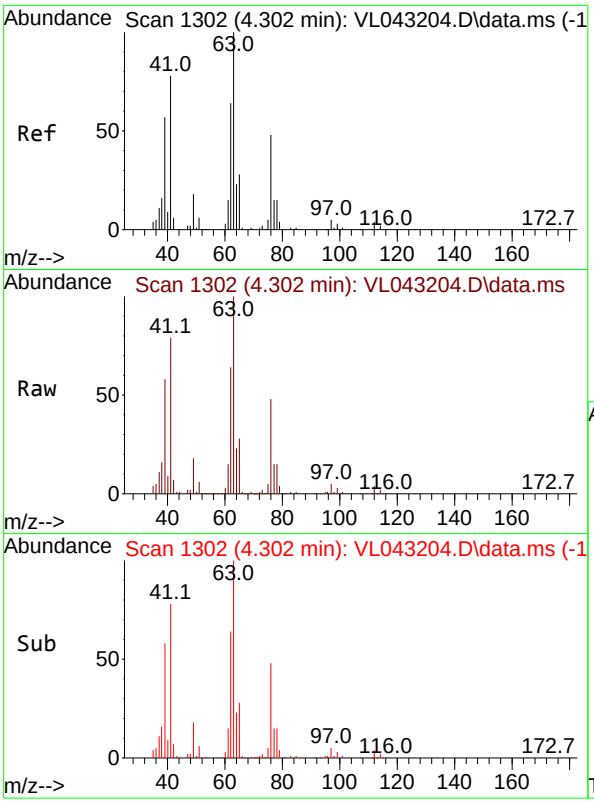


#38
Trichloroethene
Concen: 9.398 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:130 Resp: 100136

Ion	Ratio	Lower	Upper
130	100		
95	107.1	85.7	128.5
132	91.7	73.4	110.0
97	65.9	52.7	79.1



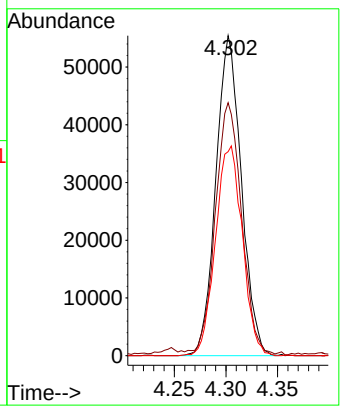


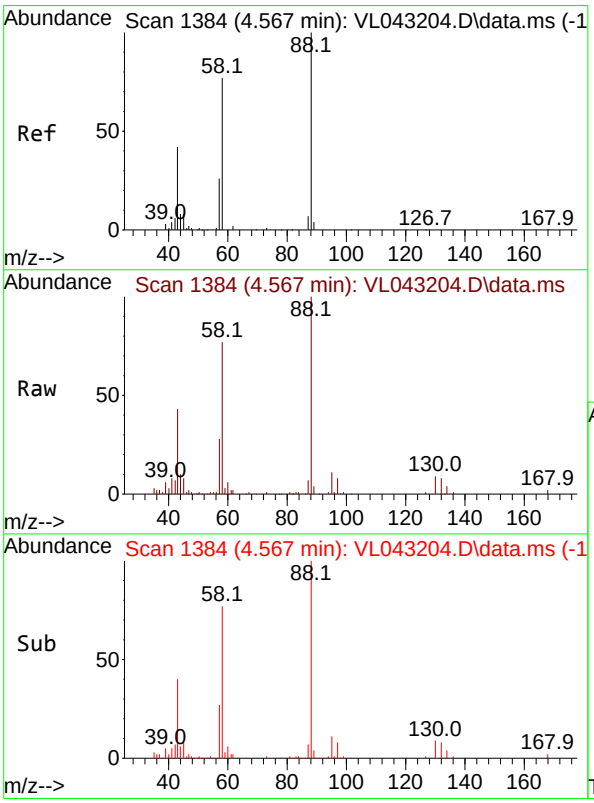
#39
1,2-Dichloropropane
Concen: 9.559 ppbv
RT: 4.302 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 63 Resp: 95097

Ion	Ratio	Lower	Upper
63	100		
41	78.2	62.6	93.8
62	63.8	51.0	76.6

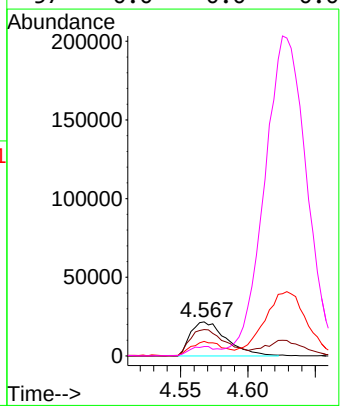


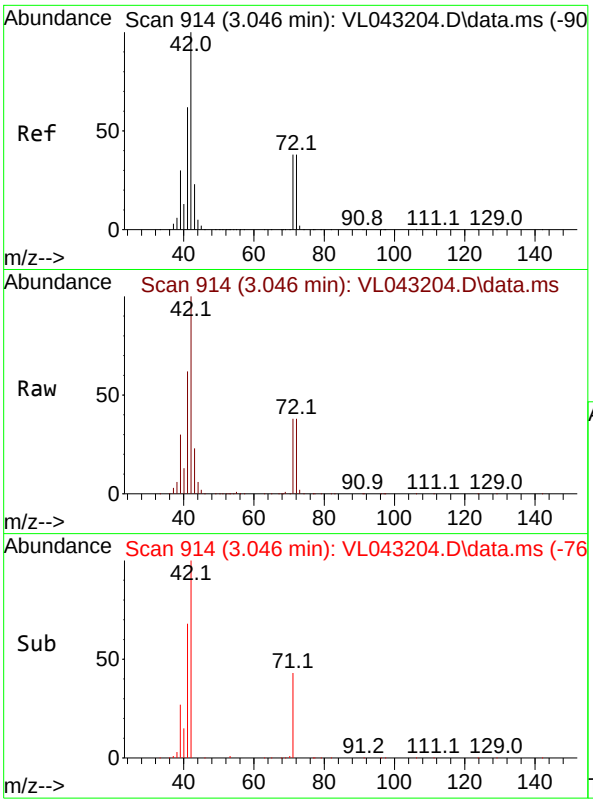


#40
1,4-Dioxane
Concen: 9.043 ppbv
RT: 4.567 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 88 Resp: 40441

Ion	Ratio	Lower	Upper
88	100		
58	78.8	63.0	94.6
43	40.6	32.5	48.7
57	0.0	0.0	0.0



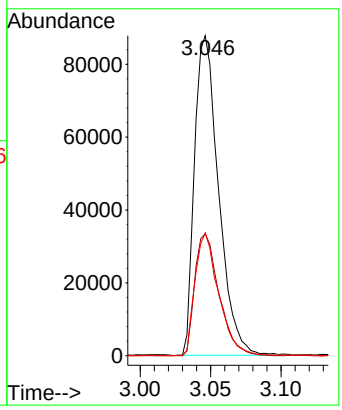


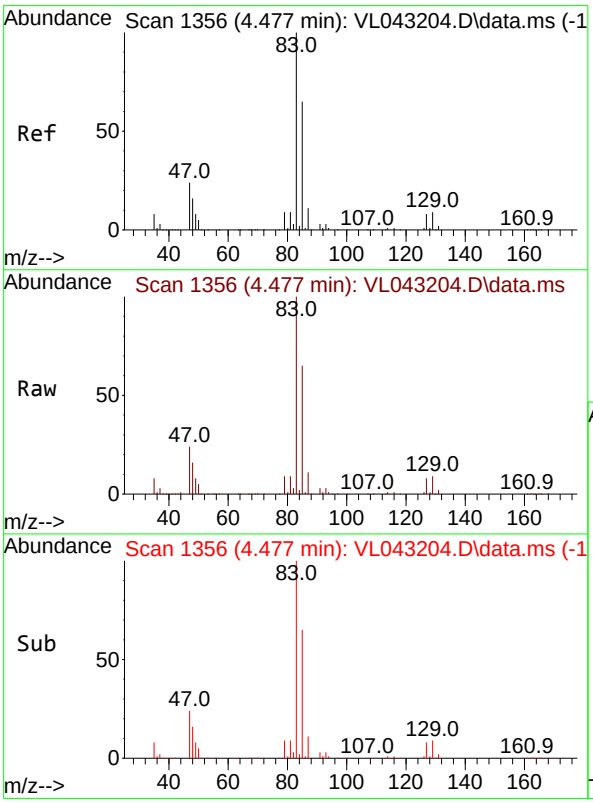
#41
Tetrahydrofuran
Concen: 9.426 ppbv
RT: 3.046 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 104294

Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.6	46.0
71	38.1	30.5	45.7

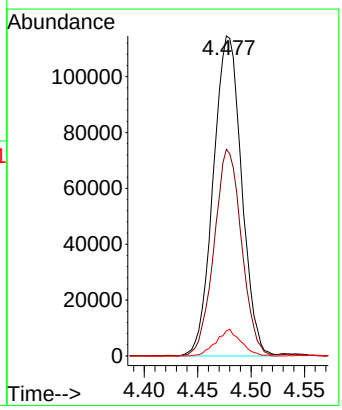


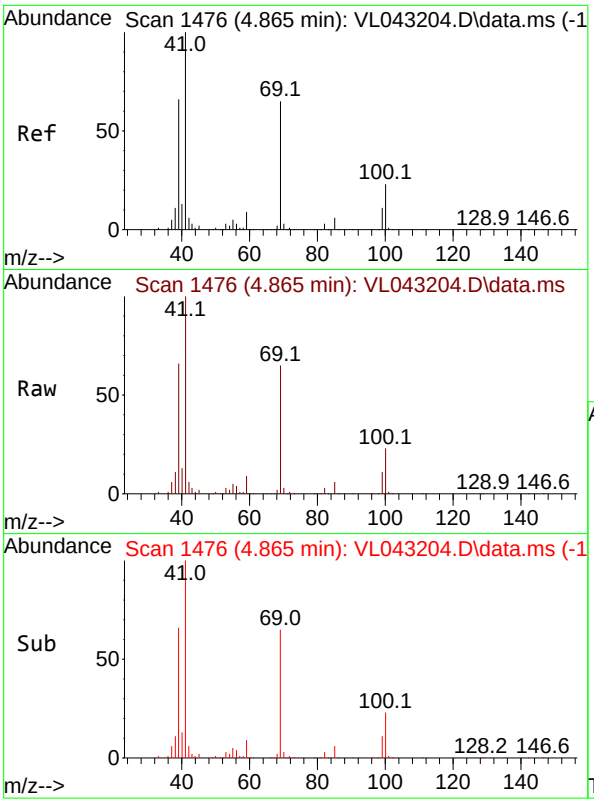


#42
Bromodichloromethane
Concen: 9.643 ppbv
RT: 4.477 min Scan# 1356
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 83 Resp: 211504

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5
127	7.9	6.3	9.5



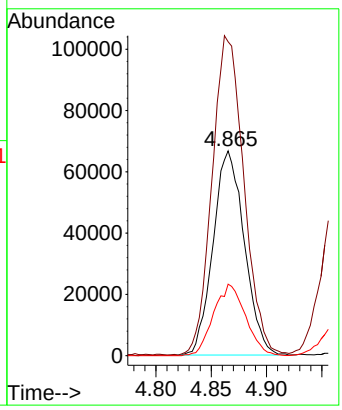


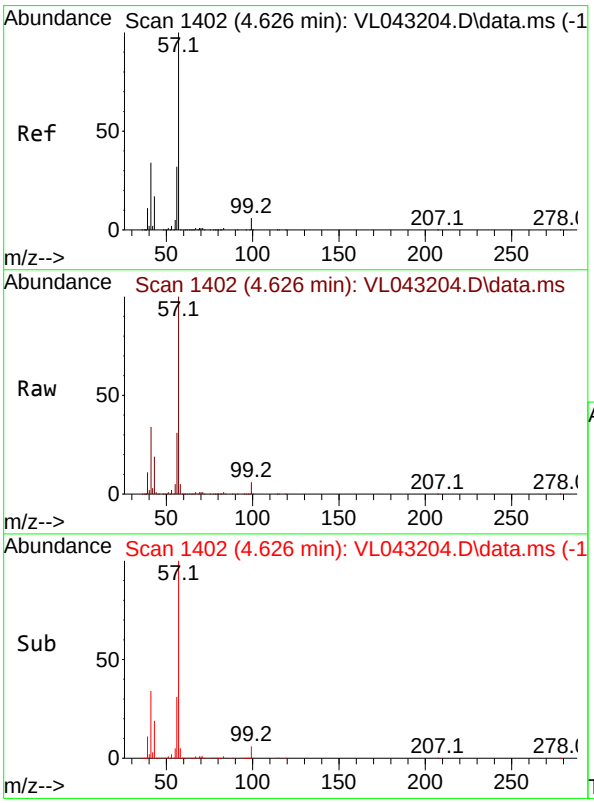
#43
Methyl Methacrylate
Concen: 9.080 ppbv
RT: 4.865 min Scan# 14
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 131003

Ion	Ratio	Lower	Upper
69	100		
41	158.4	126.7	190.1
100	35.8	28.6	43.0

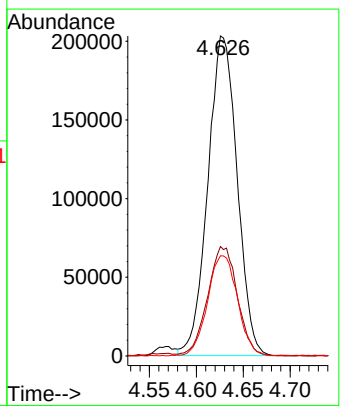


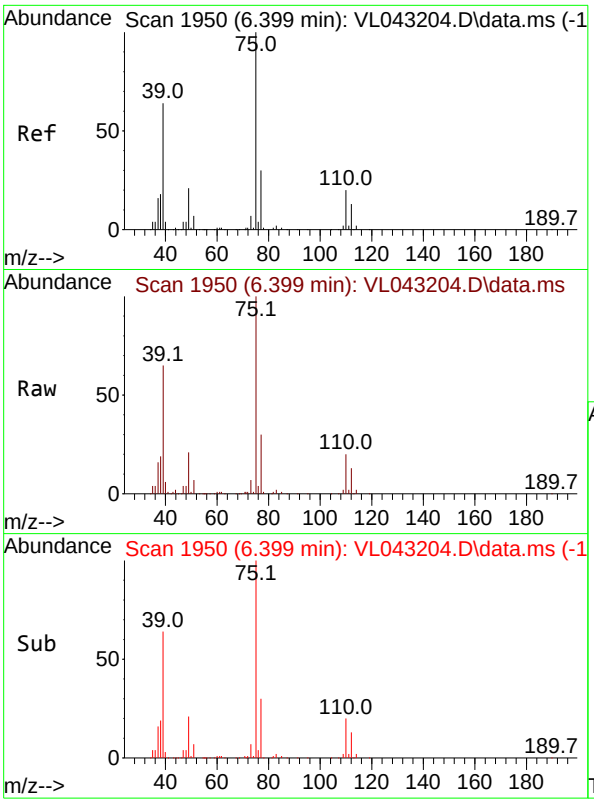


#44
2,2,4-Trimethylpentane
Concen: 9.451 ppbv
RT: 4.626 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 57 Resp: 441234

Ion	Ratio	Lower	Upper
57	100		
41	35.0	28.0	42.0
56	32.0	25.6	38.4



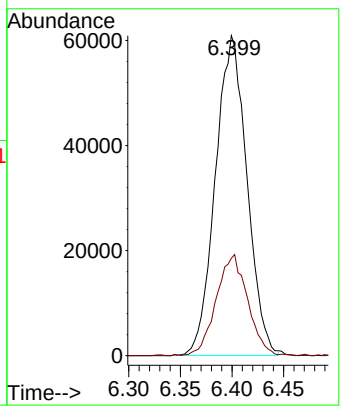


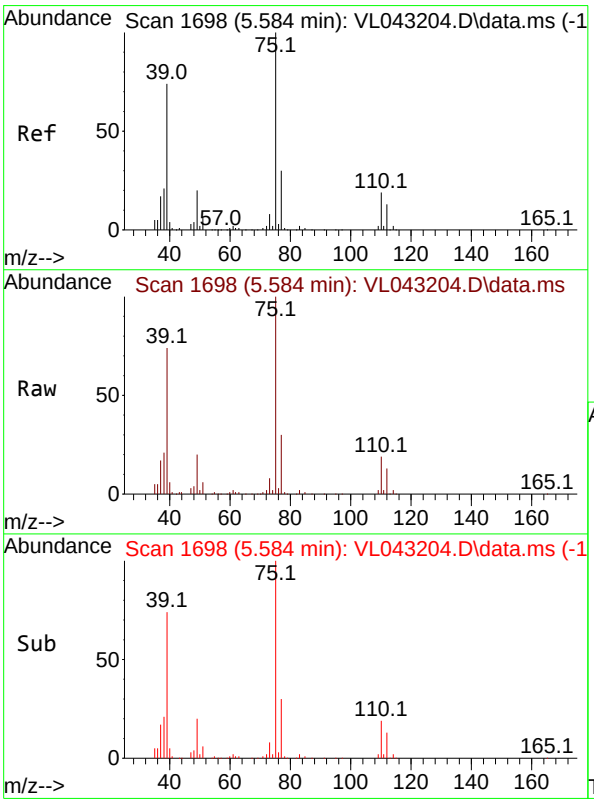
#45
t-1,3-Dichloropropene
Concen: 9.601 ppbv
RT: 6.399 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 129122

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.3	36.5

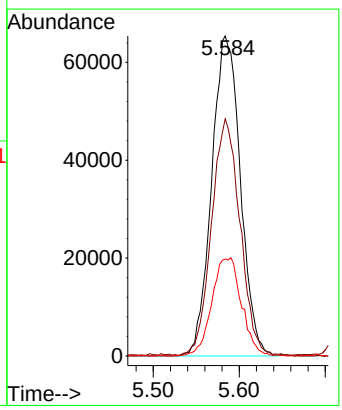


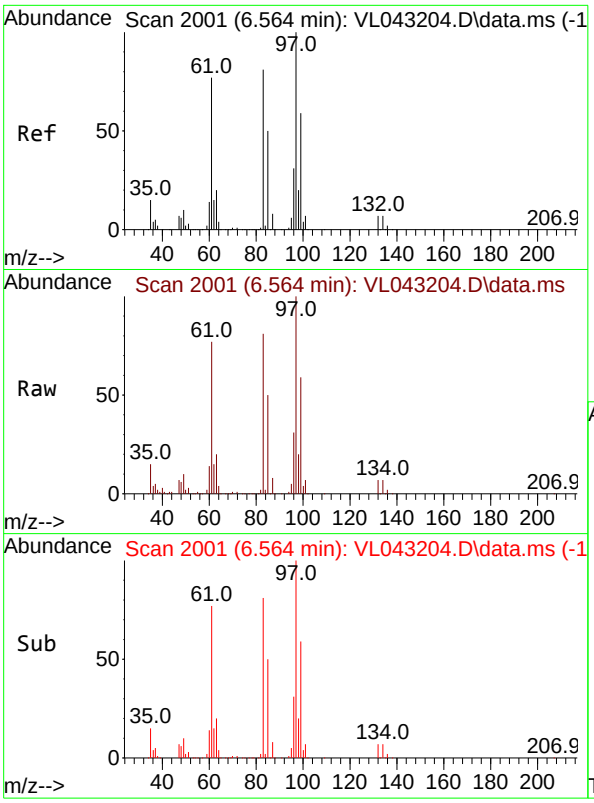


#46
cis-1,3-Dichloropropene
Concen: 9.603 ppbv
RT: 5.584 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 75 Resp: 151655

Ion	Ratio	Lower	Upper
75	100		
39	73.9	59.1	88.7
77	30.2	24.2	36.2



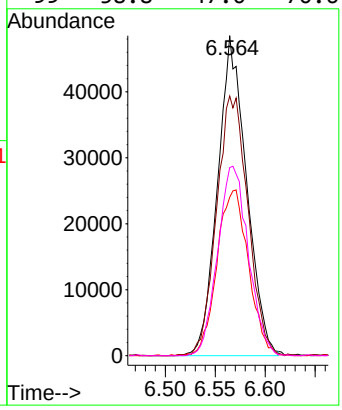


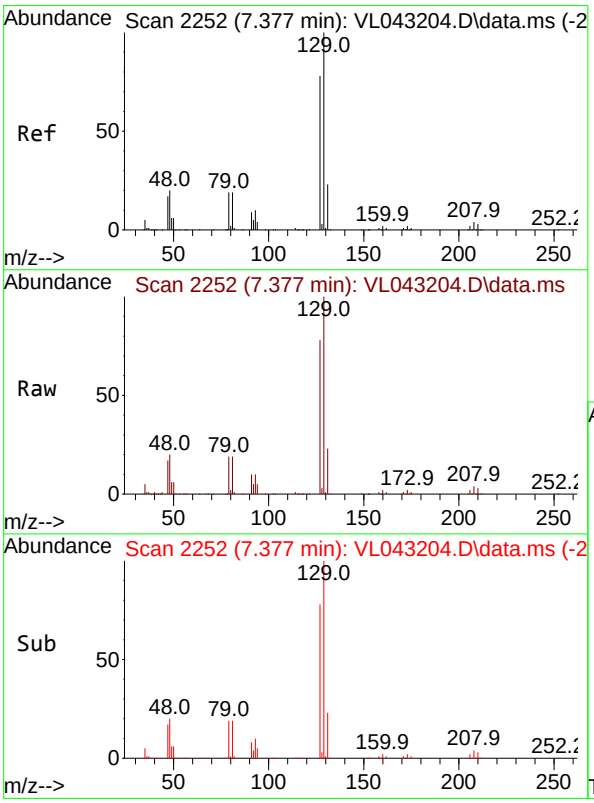
#47
1,1,2-Trichloroethane
Concen: 9.193 ppbv
RT: 6.564 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 97512

Ion	Ratio	Lower	Upper
97	100		
83	80.8	64.6	97.0
85	49.3	39.4	59.2
99	58.8	47.0	70.6

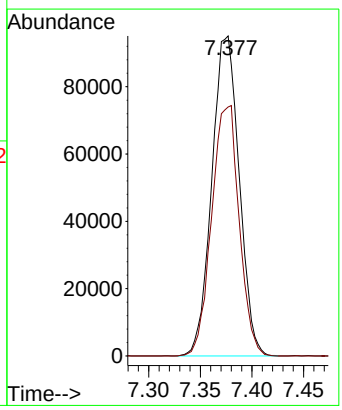


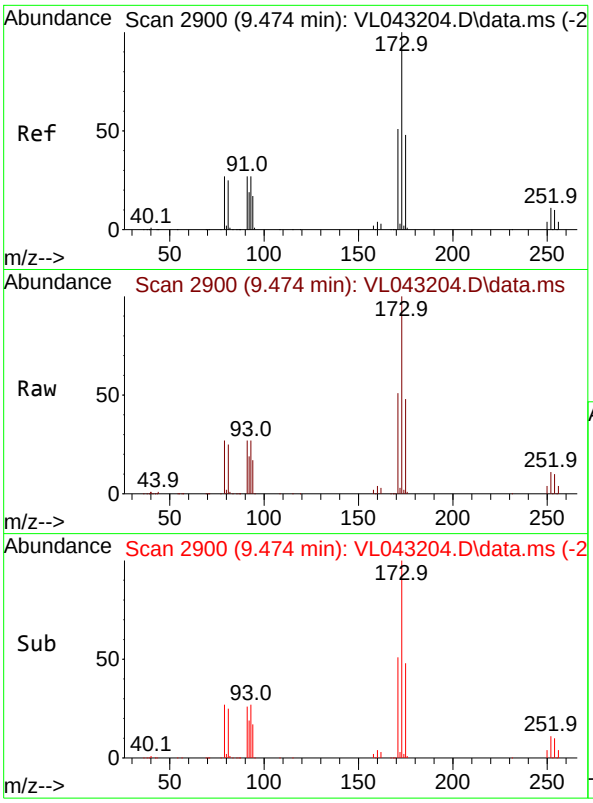


#48
Dibromochloromethane
Concen: 9.670 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:129 Resp: 175529

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



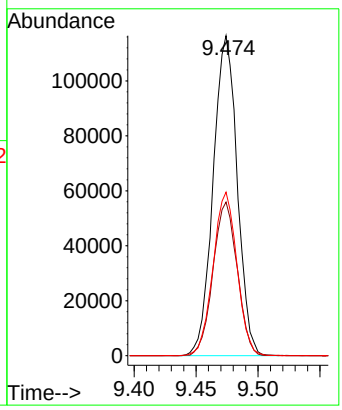


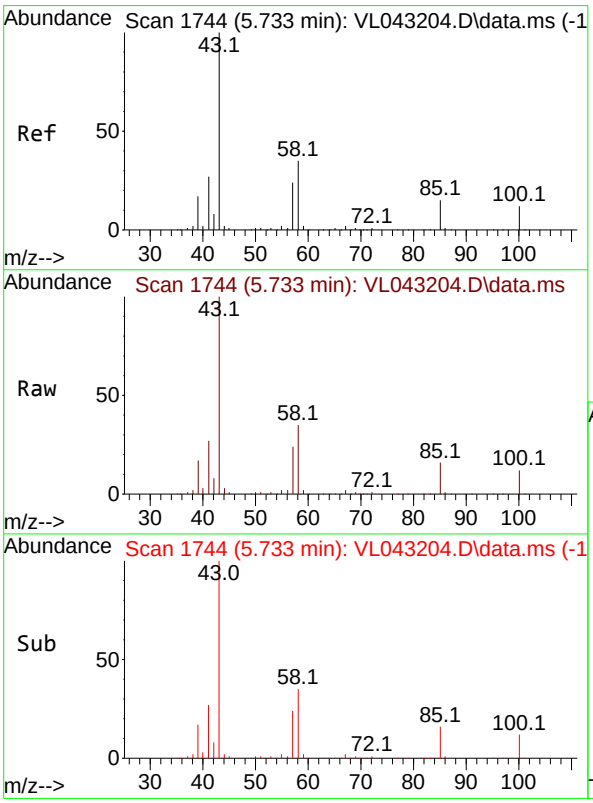
#49
Bromoform
Concen: 9.800 ppbv
RT: 9.474 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 157563

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
171	50.8	40.6	61.0

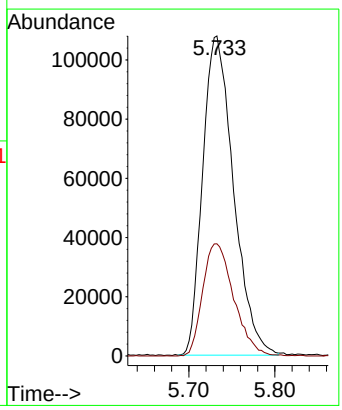


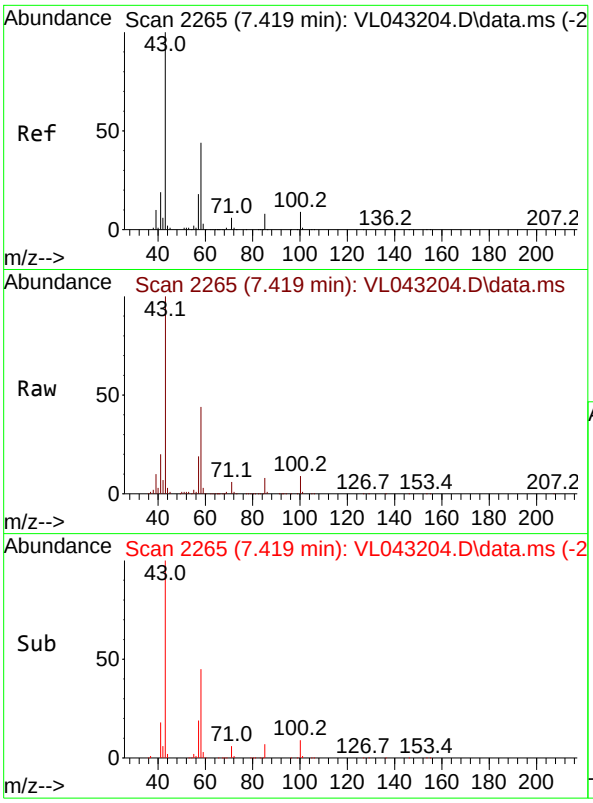


#50
4-Methyl-2-Pentanone
Concen: 9.509 ppbv
RT: 5.733 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 43 Resp: 268369

Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.4	42.6



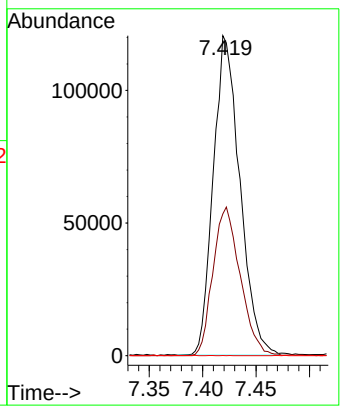


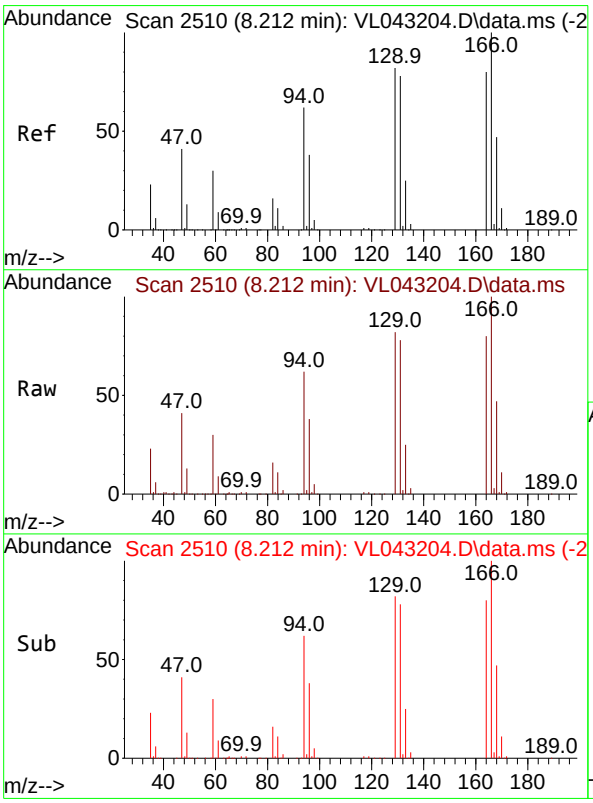
#51
2-Hexanone
Concen: 9.503 ppbv
RT: 7.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 208268

Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.4	57.6
98	0.0	0.0	0.0#

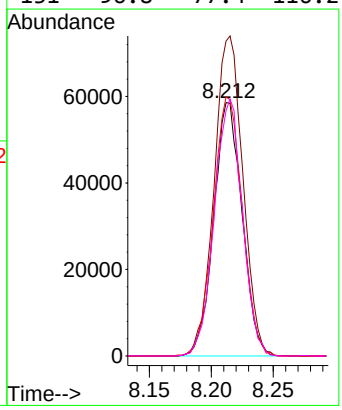


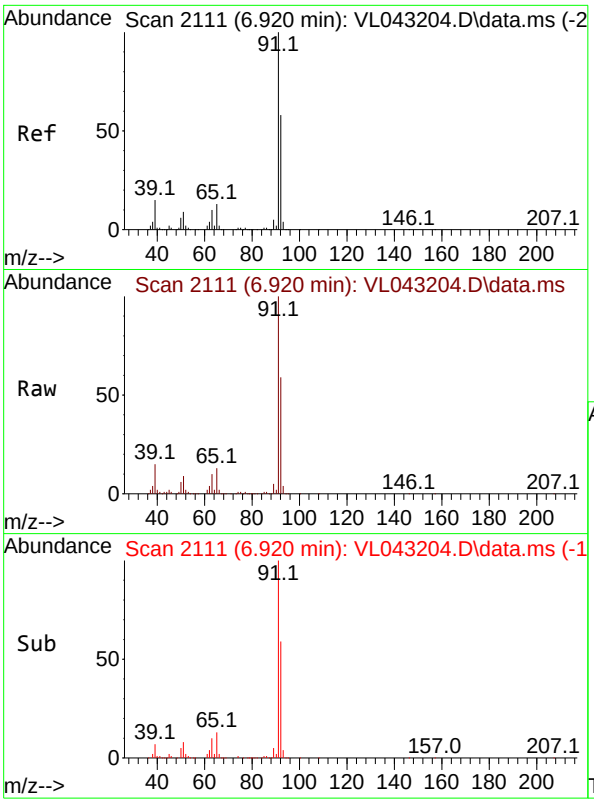


#52
Tetrachloroethene
Concen: 9.249 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:164 Resp: 93518

Ion	Ratio	Lower	Upper
164	100		
166	124.3	99.4	149.2
129	102.3	81.8	122.8
131	96.8	77.4	116.2



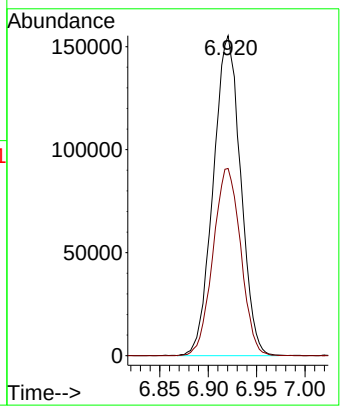


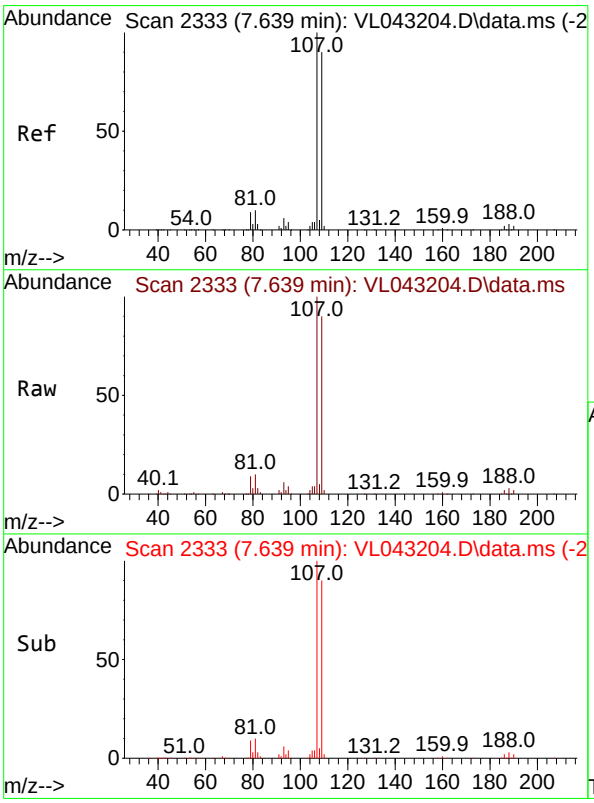
#53
Toluene
Concen: 9.422 ppbv
RT: 6.920 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 305169

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.0

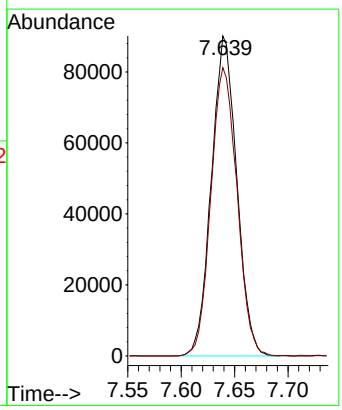


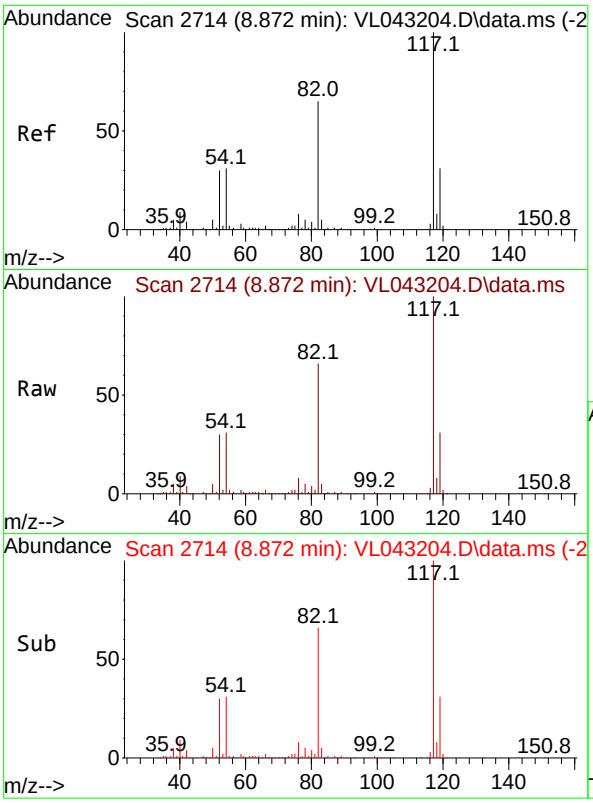


#54
1,2-Dibromoethane
Concen: 9.588 ppbv
RT: 7.639 min Scan# 2333
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:107 Resp: 148973

Ion	Ratio	Lower	Upper
107	100		
109	90.1	72.1	108.1



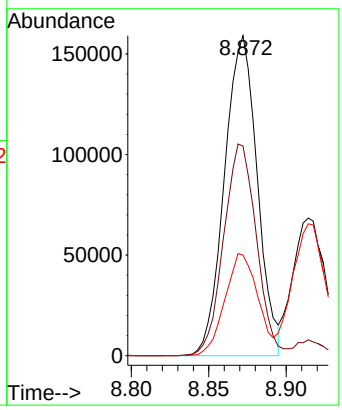


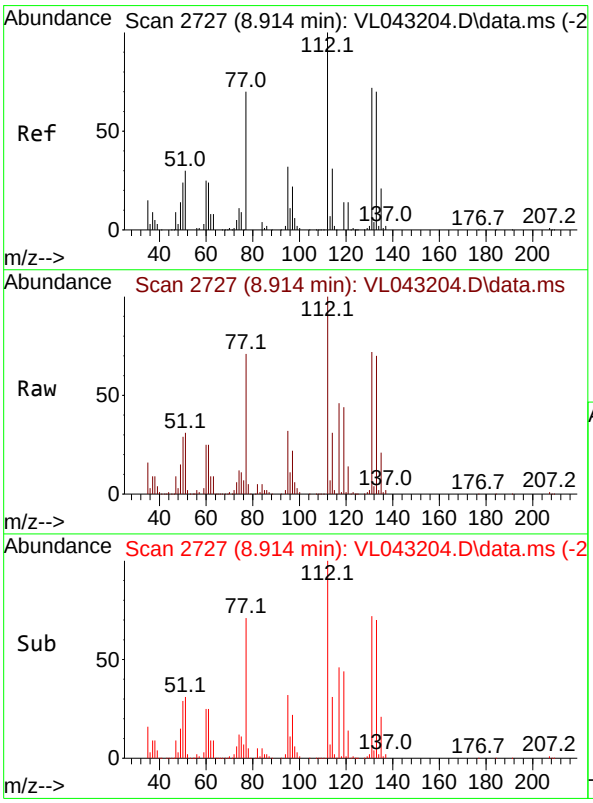
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 234772

Ion	Ratio	Lower	Upper
117	100		
82	70.1	56.1	84.1
119	31.3	25.0	37.6

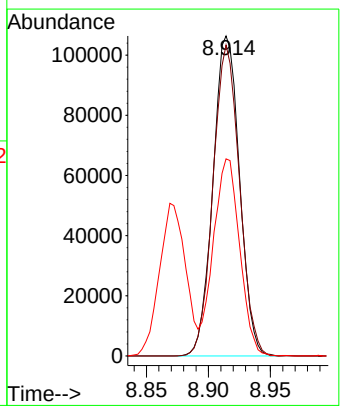


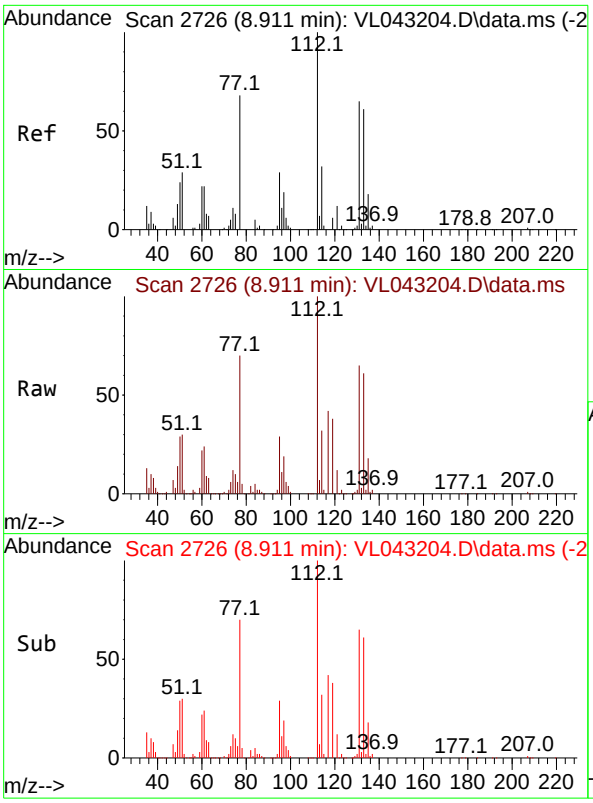


#56
1,1,1,2-Tetrachloroethane
Concen: 9.207 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:131 Resp: 158856

Ion	Ratio	Lower	Upper
131	100		
133	96.8	77.4	116.2
119	61.4	49.1	73.7



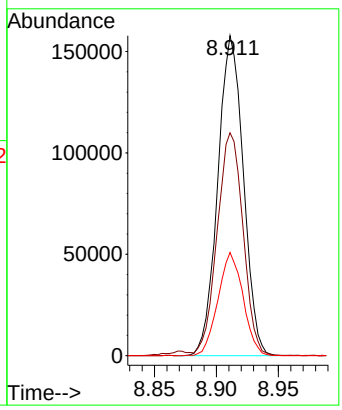


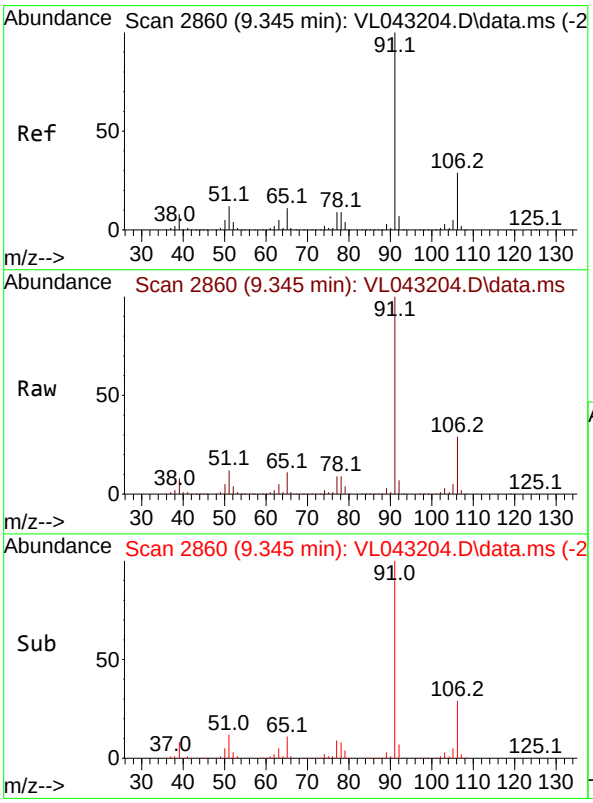
#57
Chlorobenzene
Concen: 9.438 ppbv
RT: 8.911 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 227490

Ion	Ratio	Lower	Upper
112	100		
77	69.4	55.5	83.3
114	32.3	29.1	35.5

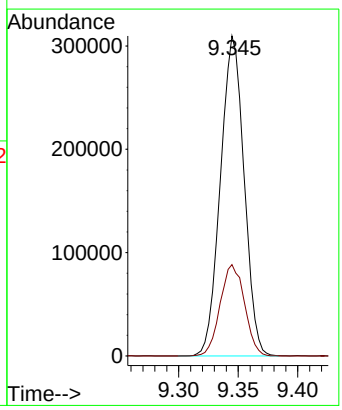


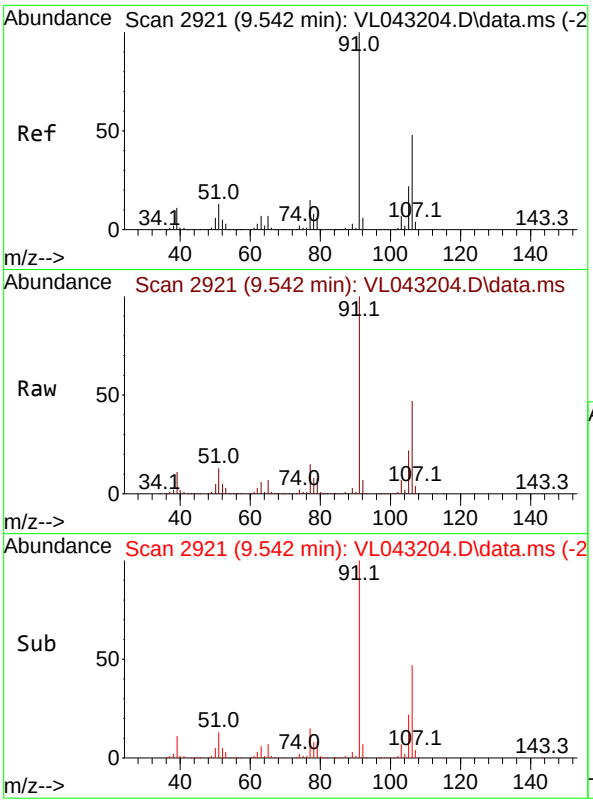


#58
Ethyl Benzene
Concen: 9.461 ppbv
RT: 9.345 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 427530

Ion	Ratio	Lower	Upper
91	100		
106	28.5	22.8	34.2



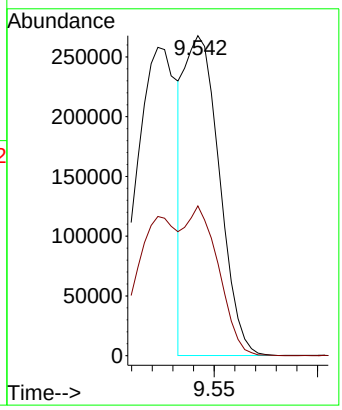


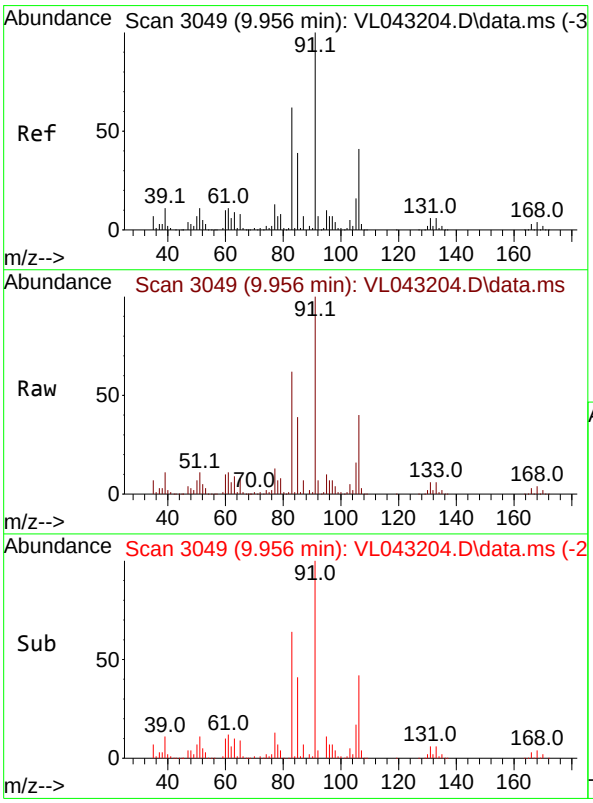
#59
m/p-Xylene
Concen: 8.707 ppbv
RT: 9.542 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 316603

Ion	Ratio	Lower	Upper
91	100		
106	95.9	36.1	54.1#

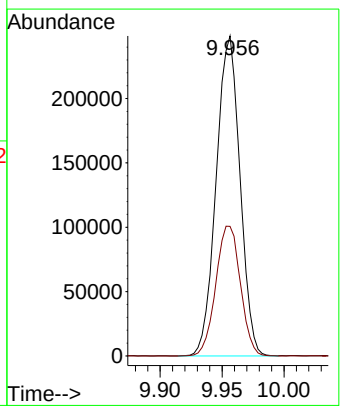


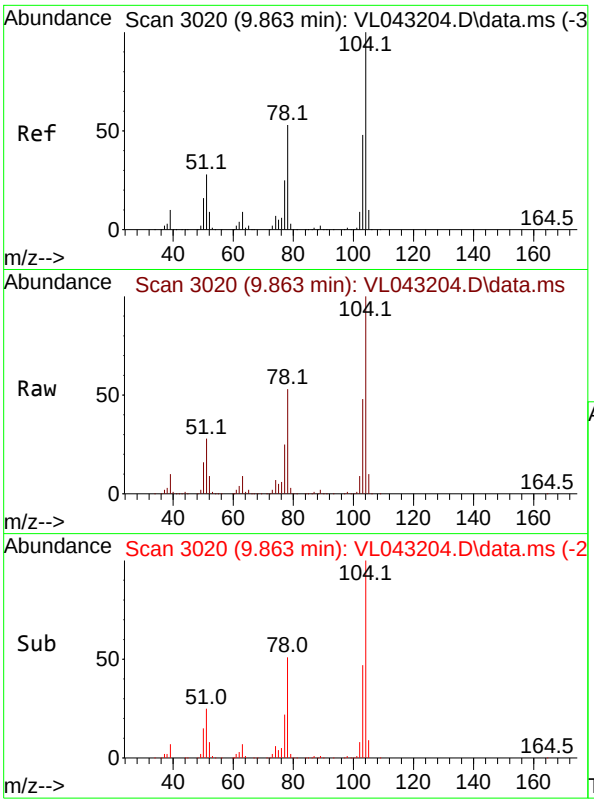


#60
o-Xylene
Concen: 9.202 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 333044

Ion	Ratio	Lower	Upper
91	100		
106	41.9	20.9	62.8



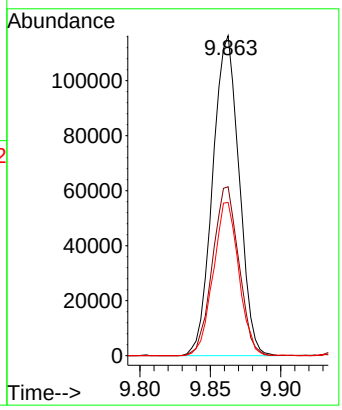


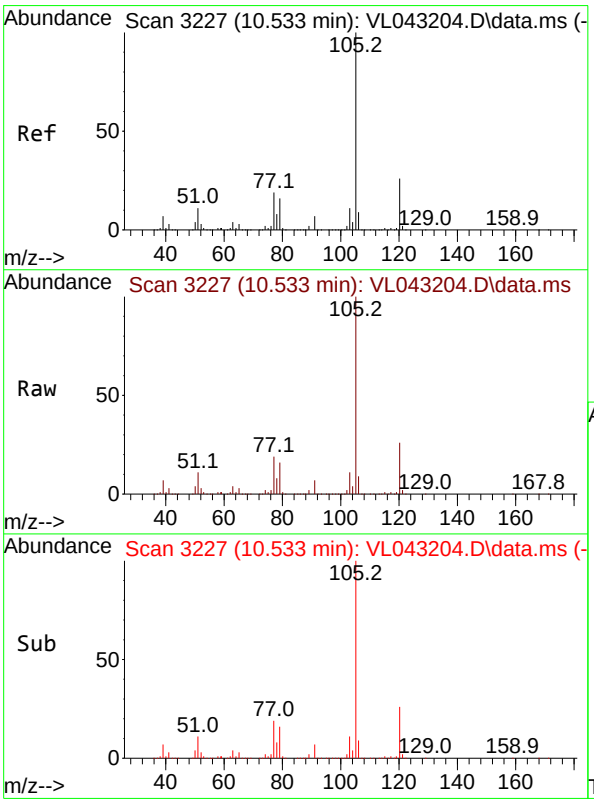
#61
Styrene
Concen: 9.607 ppbv
RT: 9.863 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 152172

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.1	63.1
103	46.5	37.2	55.8

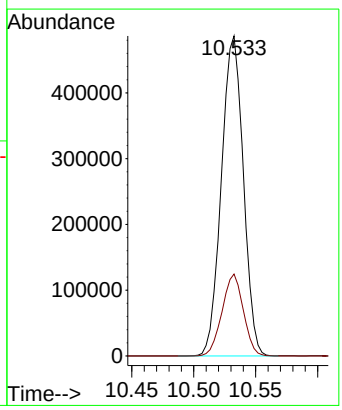


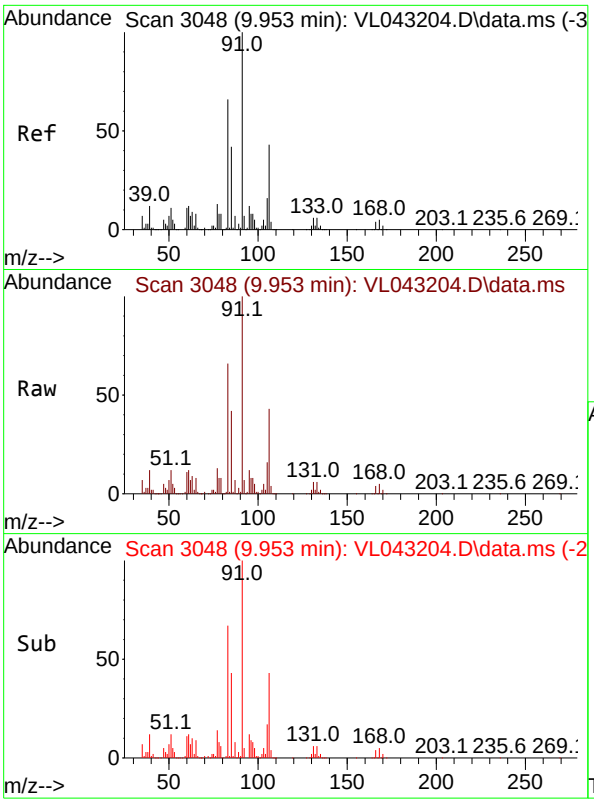


#62
Isopropylbenzene
Concen: 9.269 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 600155

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.8	29.8



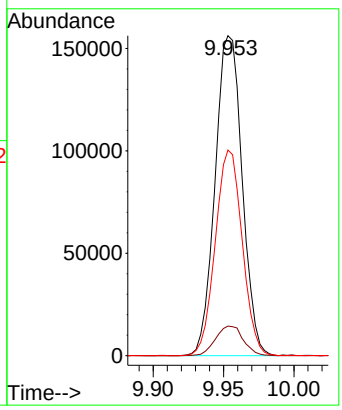


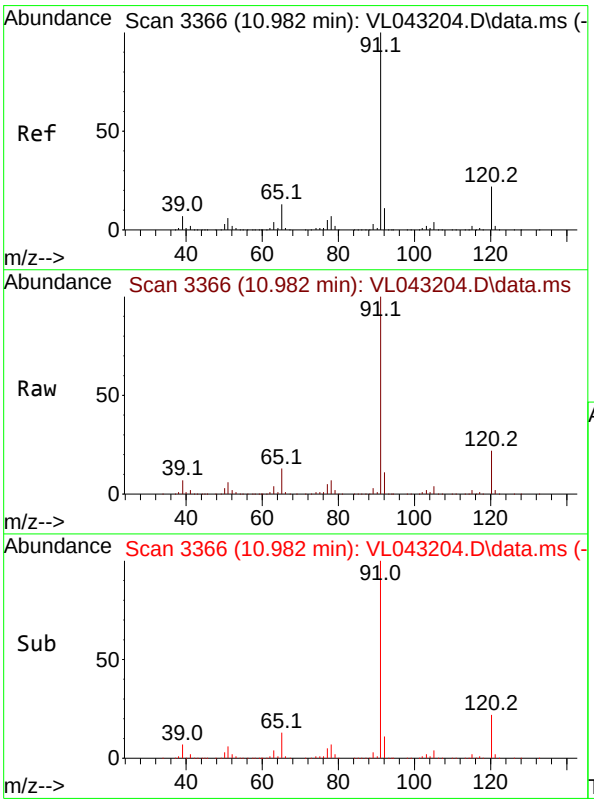
#63
1,1,2,2-Tetrachloroethane
Concen: 9.109 ppbv
RT: 9.953 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 209272

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	63.9	31.9	95.9

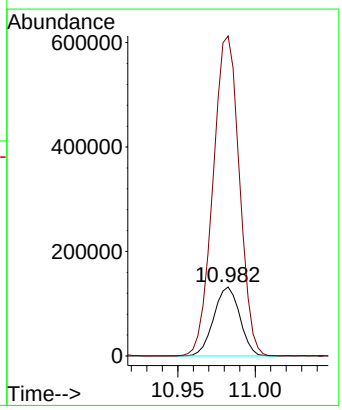


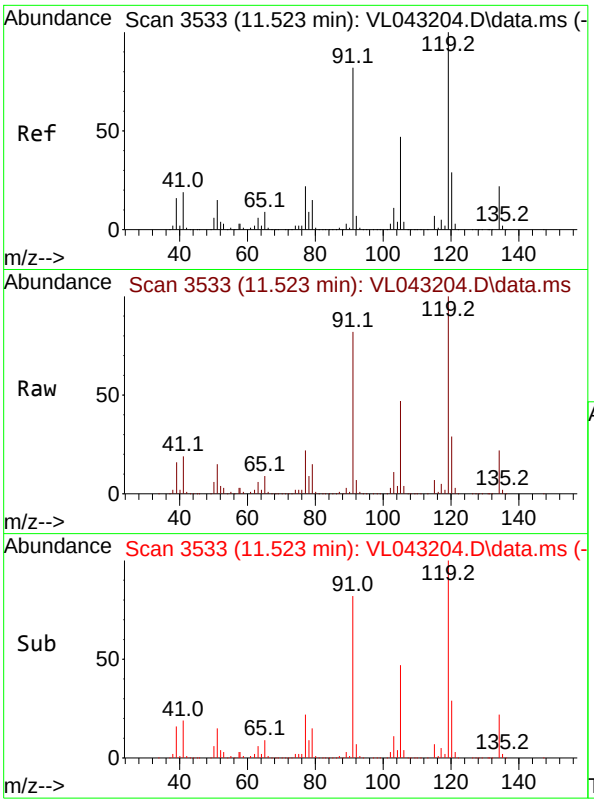


#64
n-propylbenzene
Concen: 9.271 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:120 Resp: 154239

Ion	Ratio	Lower	Upper
120	100		
91	471.4	377.1	565.7



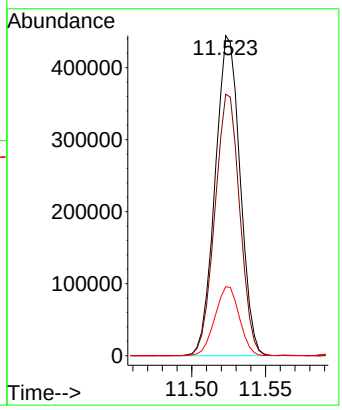


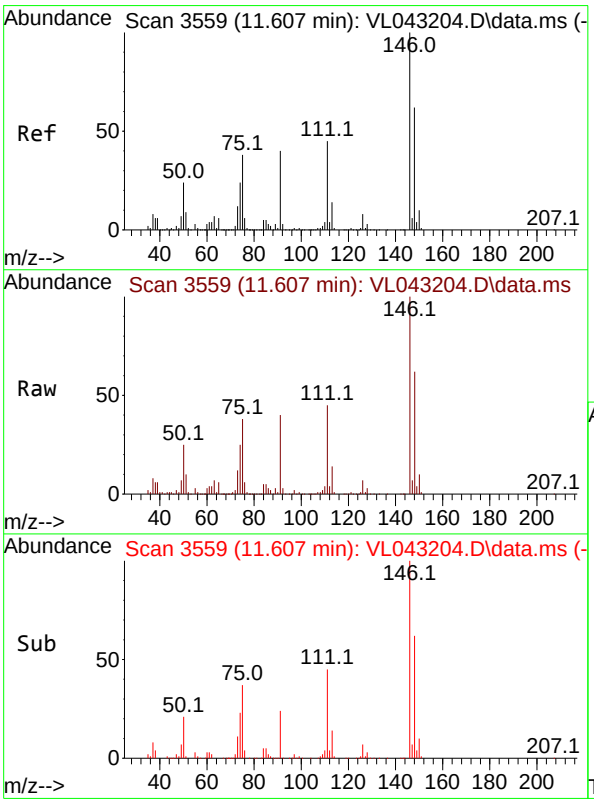
#65
tert-Butylbenzene
Concen: 9.029 ppbv
RT: 11.523 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 522106

Ion	Ratio	Lower	Upper
119	100		
91	81.6	65.3	97.9
134	21.2	17.0	25.4

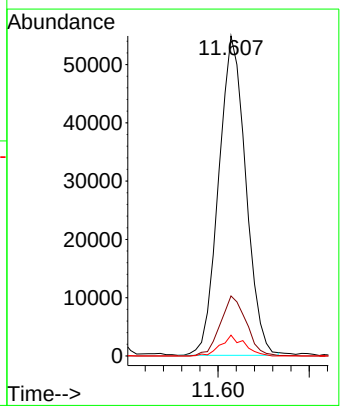


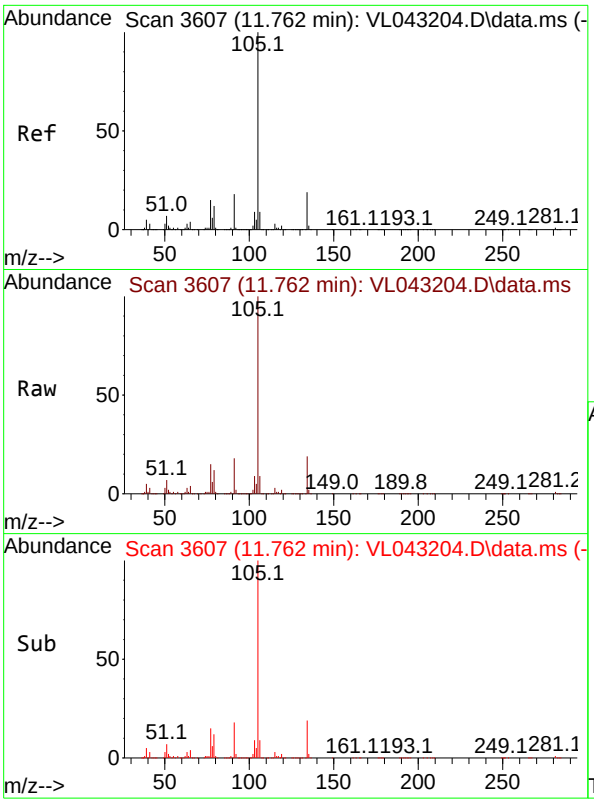


#66
Benzyl Chloride
Concen: 9.649 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 56620

Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.4	21.6
128	5.7	4.6	6.8



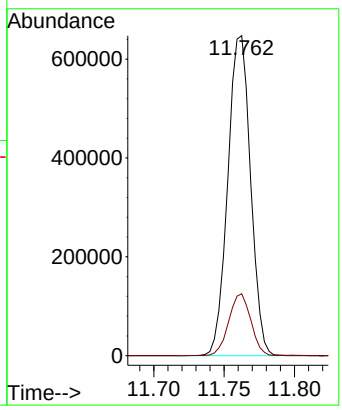


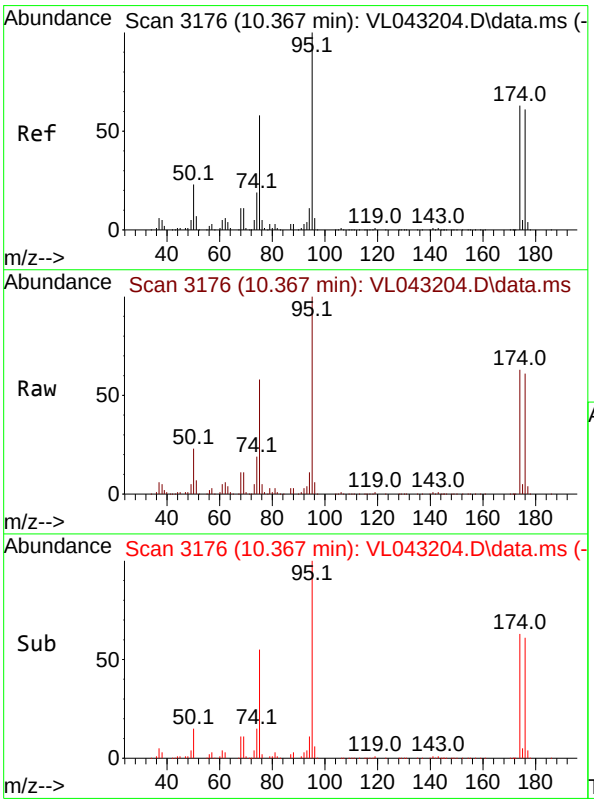
#67
sec-Butylbenzene
Concen: 9.039 ppbv
RT: 11.762 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 729573

Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.0	22.6

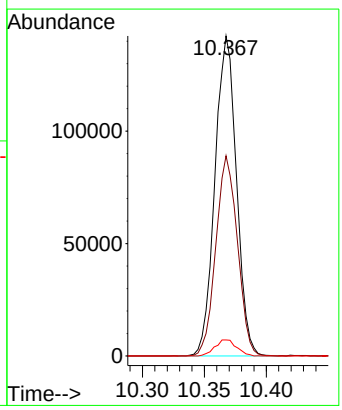


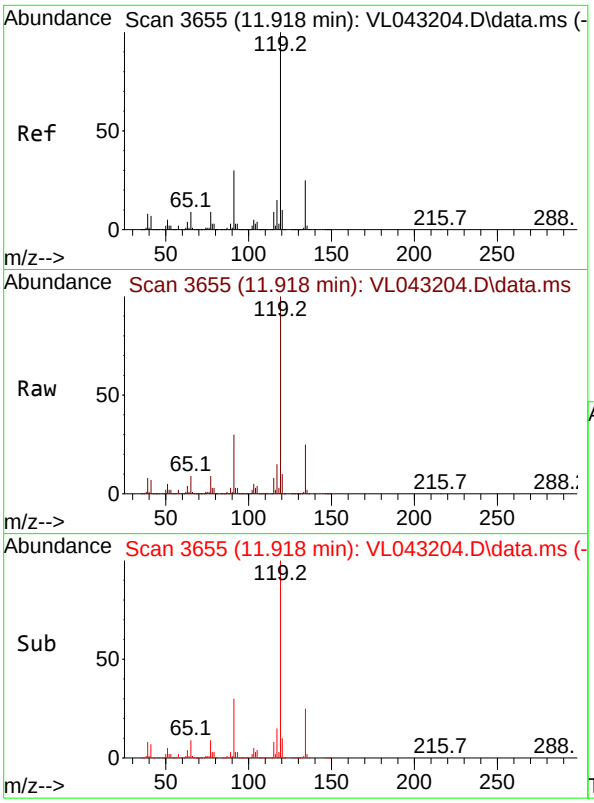


#68
1-Bromo-4-Fluorobenzene
Concen: 10.025 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 95 Resp: 172524

Ion	Ratio	Lower	Upper
95	100		
174	62.7	50.2	75.2
175	5.1	4.1	6.1



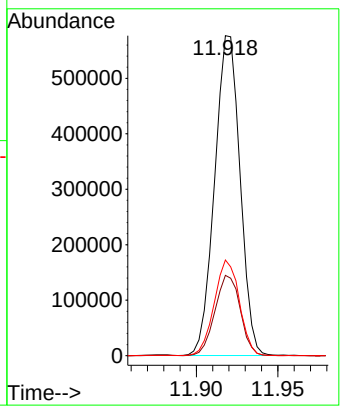


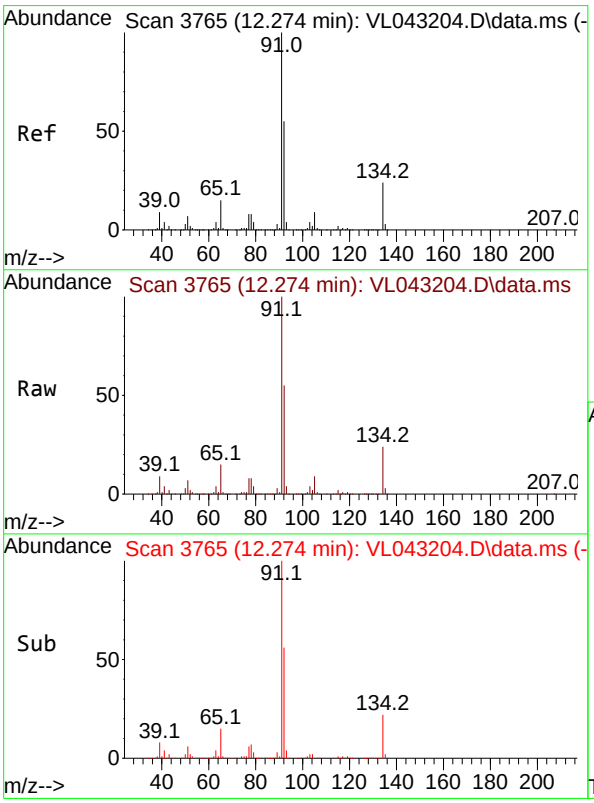
#69
p-Isopropyltoluene
Concen: 9.135 ppbv
RT: 11.918 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 624586

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	29.8	23.8	35.8

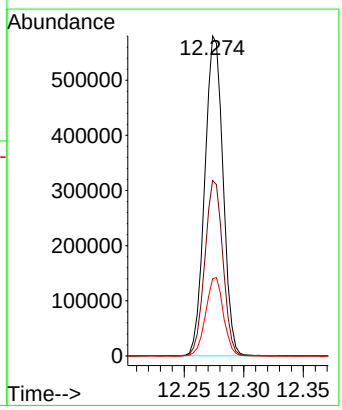


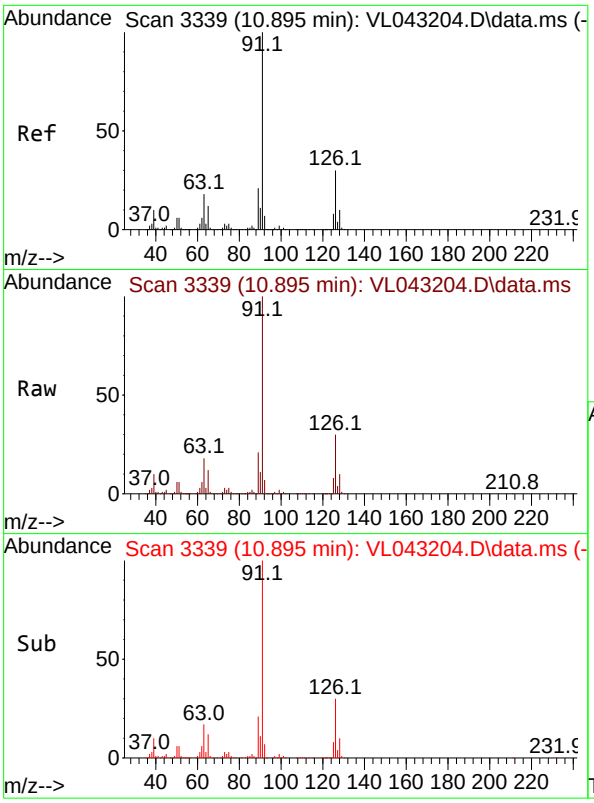


#70
n-Butylbenzene
Concen: 9.341 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion: 91 Resp: 619610

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.5	65.3
134	23.8	19.0	28.6



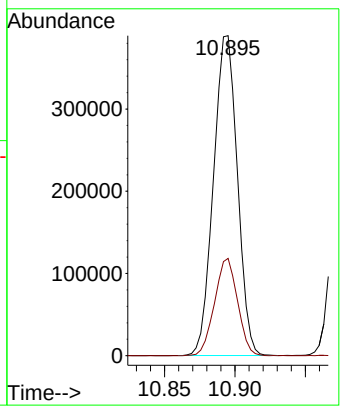


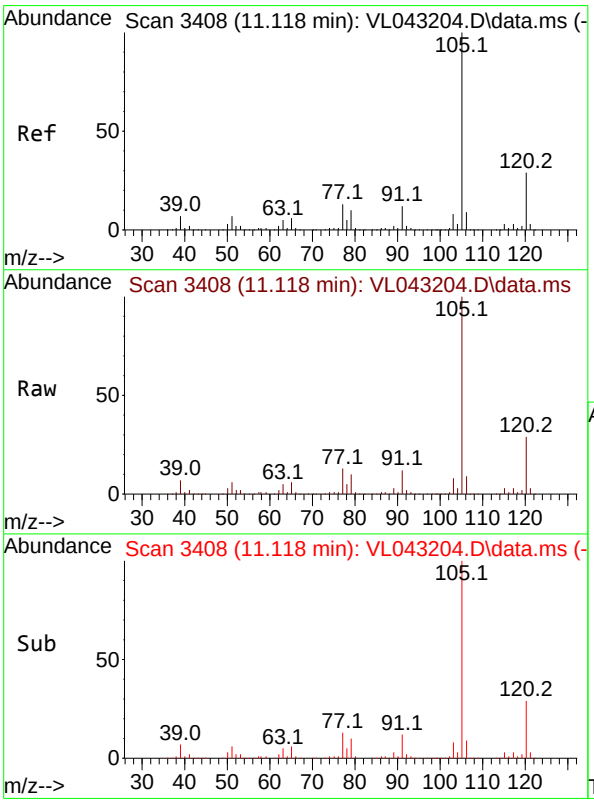
#71
2-Chlorotoluene
Concen: 9.245 ppbv
RT: 10.895 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 460118

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.7	46.7

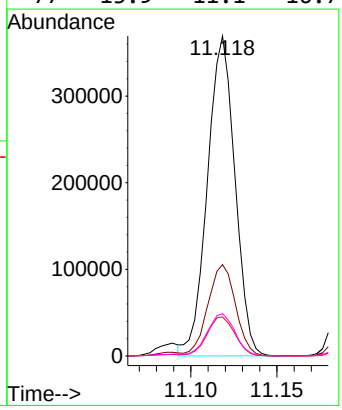


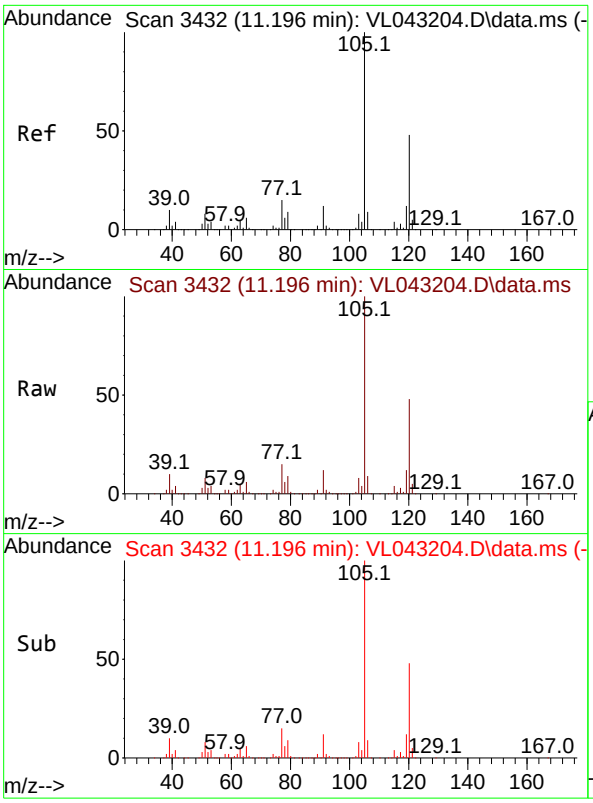


#72
4-Ethyltoluene
Concen: 9.316 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 410587

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.8	35.8
91	12.9	10.3	15.5
77	13.9	11.1	16.7



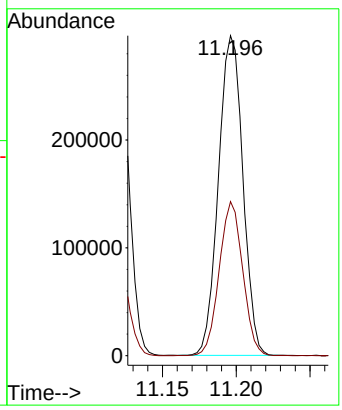


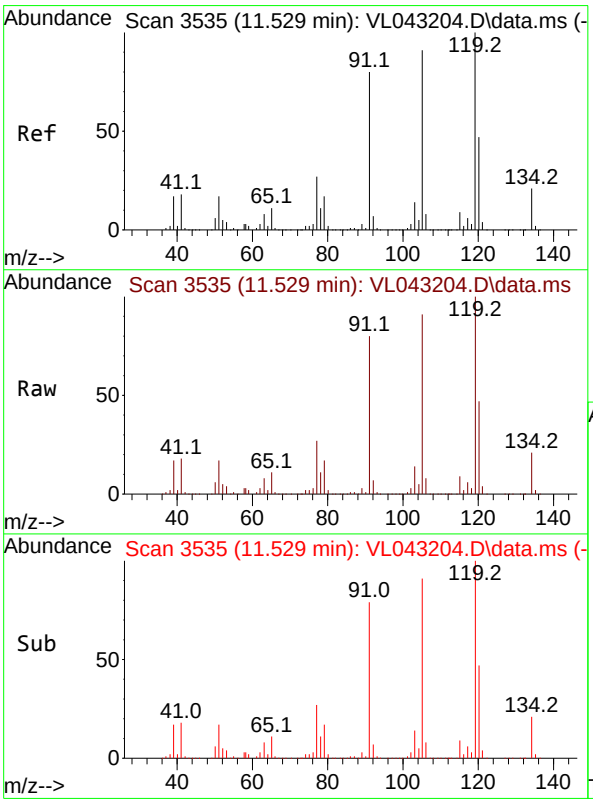
#73
1,3,5-Trimethylbenzene
Concen: 9.244 ppbv
RT: 11.196 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 341900

Ion	Ratio	Lower	Upper
105	100		
120	48.2	38.6	57.8

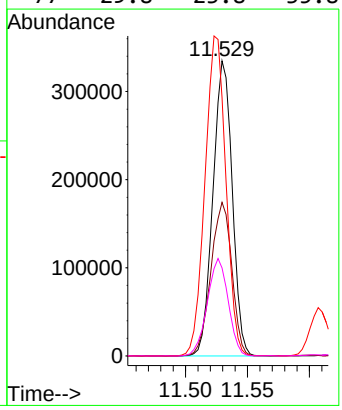


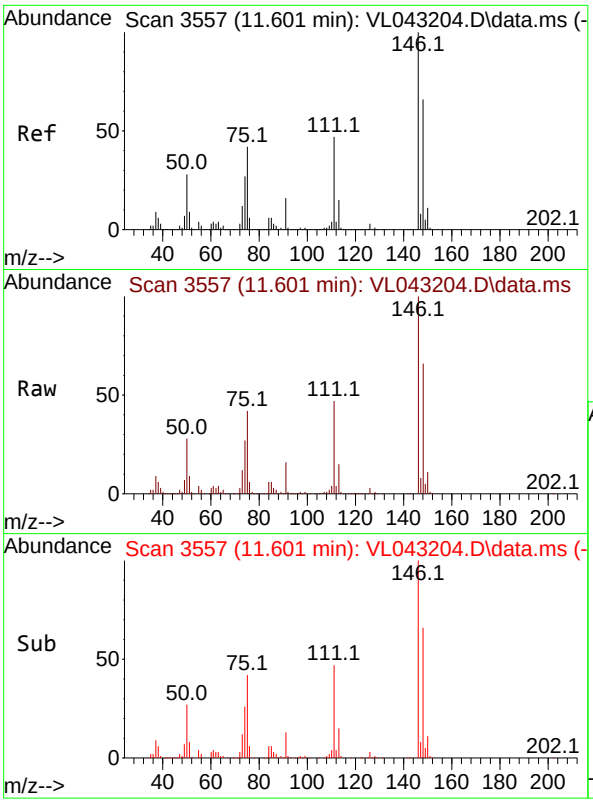


#74
1,2,4-Trimethylbenzene
Concen: 9.005 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:105 Resp: 363476

Ion	Ratio	Lower	Upper
105	100		
120	52.1	41.7	62.5
91	87.5	70.0	105.0
77	29.8	23.8	35.8



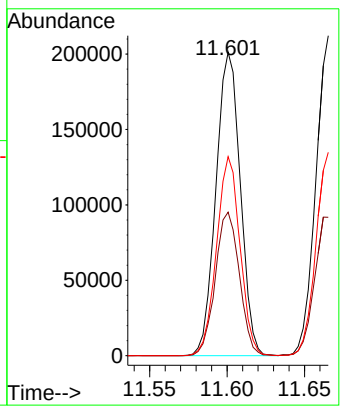


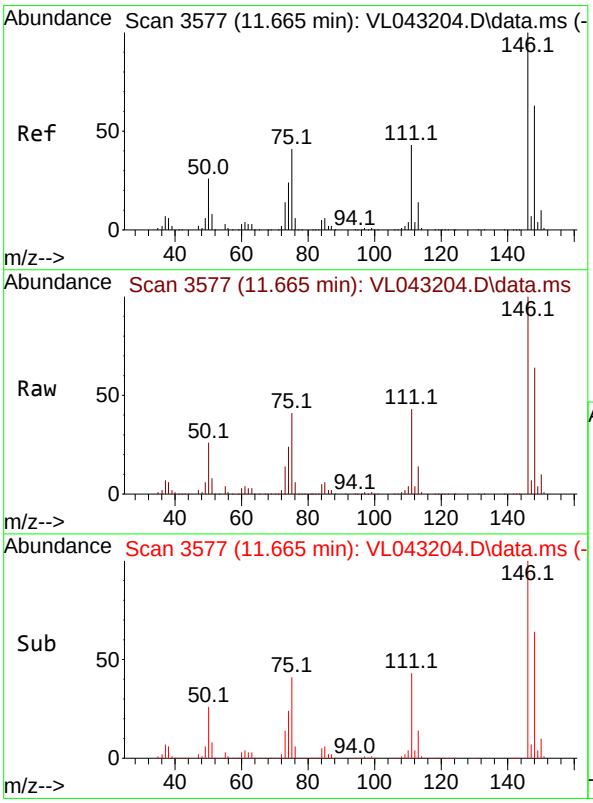
#75
1,3-Dichlorobenzene
Concen: 9.335 ppbv
RT: 11.601 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 219894

Ion	Ratio	Lower	Upper
146	100		
111	46.9	23.4	70.3
148	63.3	31.6	95.0

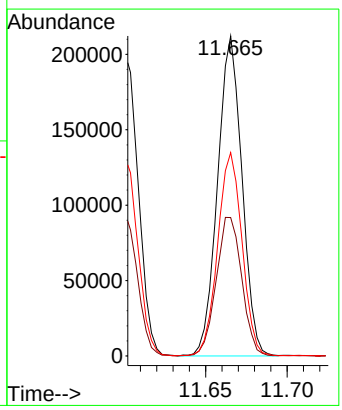


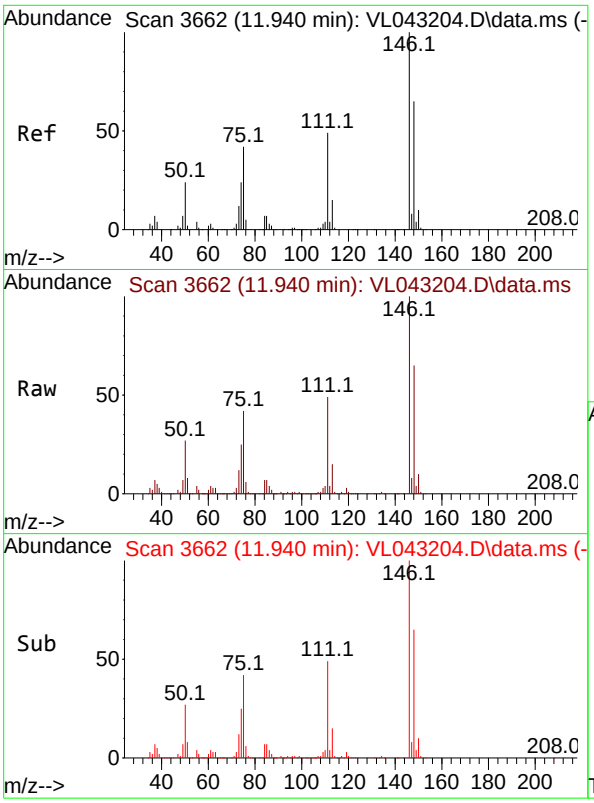


#76
1,4-Dichlorobenzene
Concen: 9.363 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:146 Resp: 220576

Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.8	68.3
148	63.6	31.8	95.4



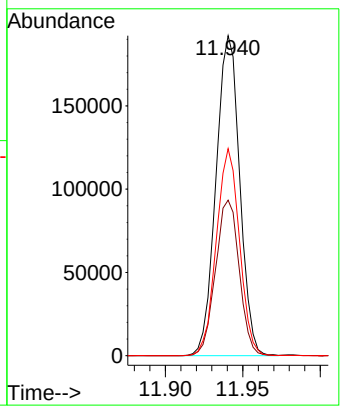


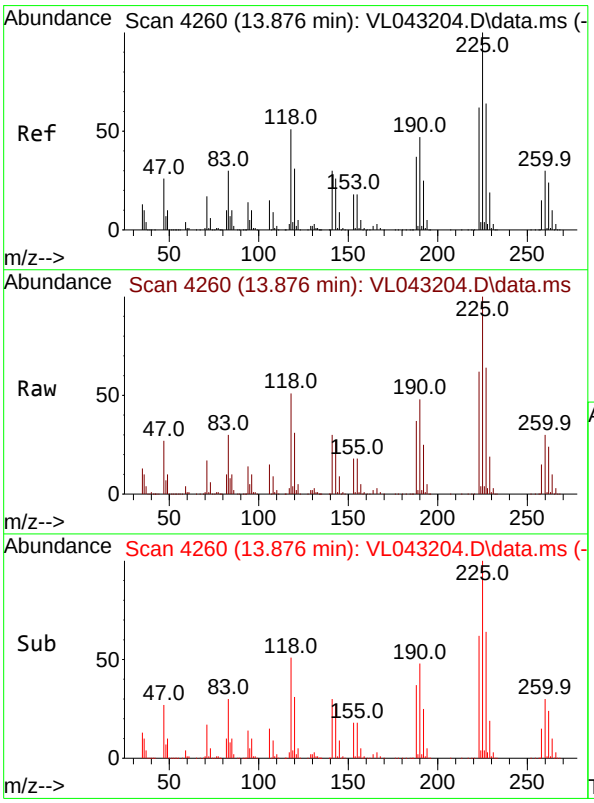
#77
1,2-Dichlorobenzene
Concen: 9.044 ppbv
RT: 11.940 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 204826

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.3	73.0
148	63.1	31.6	94.7

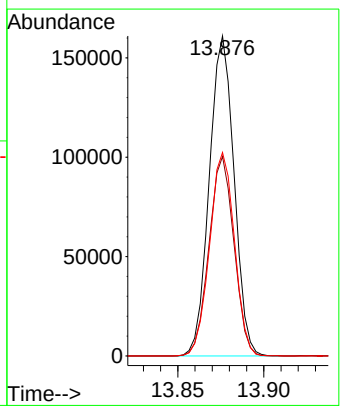


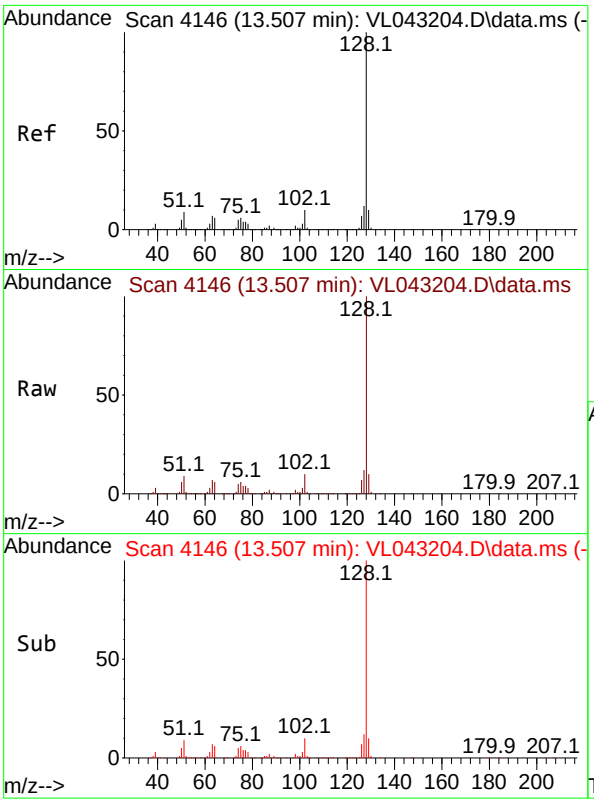


#78
Hexachloro-1,3-Butadiene
Concen: 8.520 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:225 Resp: 161034

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



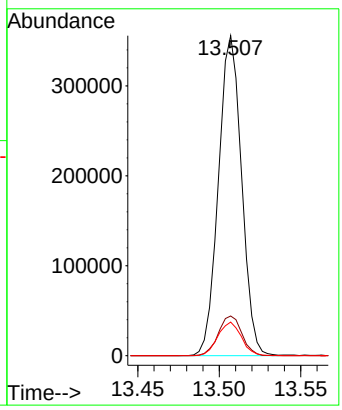


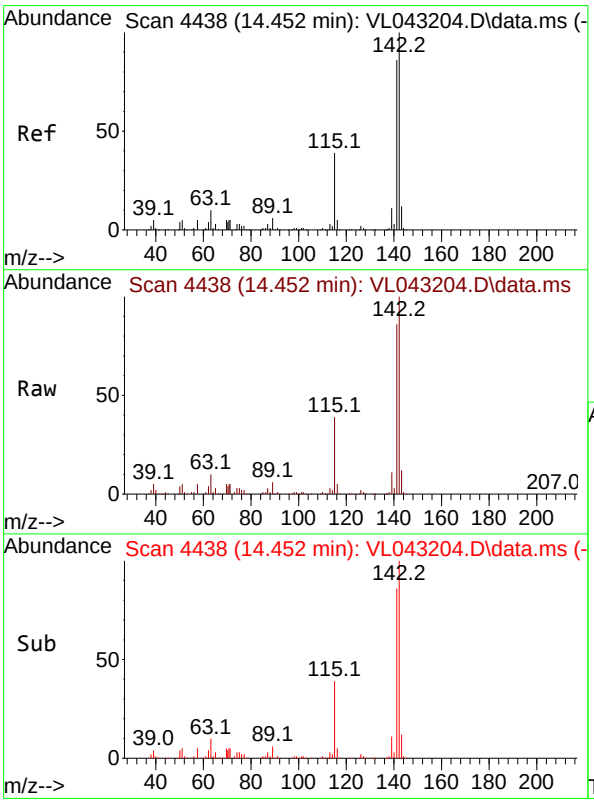
#79
Naphthalene
Concen: 9.795 ppbv
RT: 13.507 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 351148

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.5	8.4	12.6

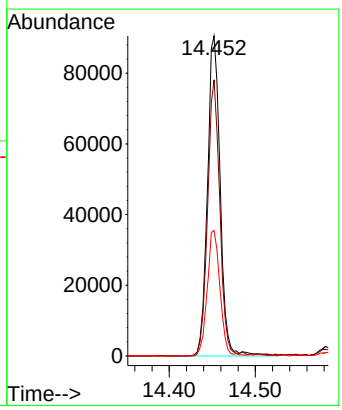


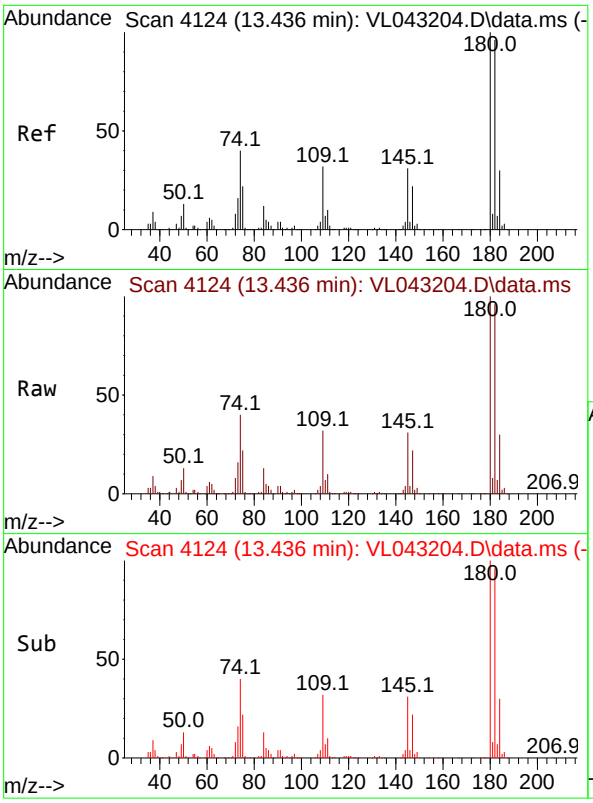


#80
Naphthalene,2-methyl-
Concen: 9.895 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Tgt Ion:142 Resp: 93113

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.1	100.7
115	39.9	31.9	47.9



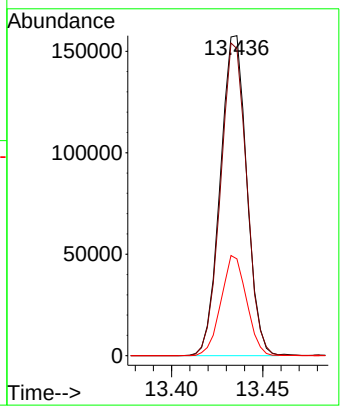


#81
1,2,4-Trichlorobenzene
Concen: 9.923 ppbv
RT: 13.436 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043204.D
Acq: 18 Nov 2025 10:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 159091

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
184	30.3	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043205.D
Acq On : 18 Nov 2025 10:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Nov 19 00:50:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	104644	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	284629	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	230646	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	171009	10.115	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	30881	2.092	ppbv	98
3) Chlorodifluoromethane	1.476	51	30069	2.072	ppbv	98
4) Chloromethane	1.534	50	11890	2.155	ppbv	96
5) Vinyl Chloride	1.580	62	12040	1.995	ppbv	96
6) Bromomethane	1.670	94	5981	2.044	ppbv	99
7) Chloroethane	1.706	64	4943	2.103	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	26409	2.151	ppbv	98
9) Propene	1.486	41	12993	1.930	ppbv #	1
10) Heptane	4.978	43	17701	0.958	ppbv #	28
11) Trichlorofluoromethane	1.878	101	31124	2.177	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	23336	2.090	ppbv	100
13) Ethanol	1.722	45	5266	2.430	ppbv	86
14) Bromoethene	1.784	108	9129	2.133	ppbv	95
15) Acetone	1.835	43	31785	2.186	ppbv	91
16) 1,3-Butadiene	1.609	39	13101	2.021	ppbv	89
17) tert-Butyl alcohol	2.039	59	39348	2.062	ppbv	95
18) 1,1-Dichloroethene	2.036	96	10780	2.074	ppbv	94
19) Isopropyl Alcohol	1.887	45	17229	2.097	ppbv #	71
20) Methylene Chloride	2.062	84	12238	2.248	ppbv	96
21) Allyl Chloride	2.098	41	19580	2.002	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	12537	2.110	ppbv	94
23) Vinyl Acetate	2.460	43	35205	2.006	ppbv #	97
24) 1,1-Dichloroethane	2.408	63	24987	2.179	ppbv	99
25) Ethyl Acetate	2.832	43	64343	2.048	ppbv	99
26) Hexane	2.826	57	28776	2.093	ppbv	97
27) Carbon Disulfide	2.149	76	29964	2.135	ppbv #	91
28) Methyl tert-Butyl Ether	2.438	73	14101	2.090	ppbv #	85
29) Chloroform	2.849	83	40355	2.065	ppbv	98
30) Cyclohexane	3.855	84	23659	2.053	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	27663	2.024	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	42547	2.024	ppbv	99
34) 2-Butanone	2.557	43	41884	2.085	ppbv	99
35) Carbon Tetrachloride	3.765	117	41949	1.942	ppbv	96
36) Benzene	3.654	78	36362	1.334	ppbv #	94
37) 1,2-Dichloroethane	3.218	62	32188	2.019	ppbv	100
38) Trichloroethene	4.541	130	10841	1.015	ppbv	89
39) 1,2-Dichloropropane	4.312	63	19913	1.996	ppbv	93
40) 1,4-Dioxane	4.580	88	3232	0.721	ppbv #	18
41) Tetrahydrofuran	3.056	42	22912	2.065	ppbv	99
42) Bromodichloromethane	4.490	83	44584	2.027	ppbv	98
43) Methyl Methacrylate	4.875	69	29071	2.009	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	92261	1.971	ppbv	96
45) t-1,3-Dichloropropene	6.406	75	14338	1.063	ppbv	95

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043205.D
Acq On : 18 Nov 2025 10:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Nov 19 00:50:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

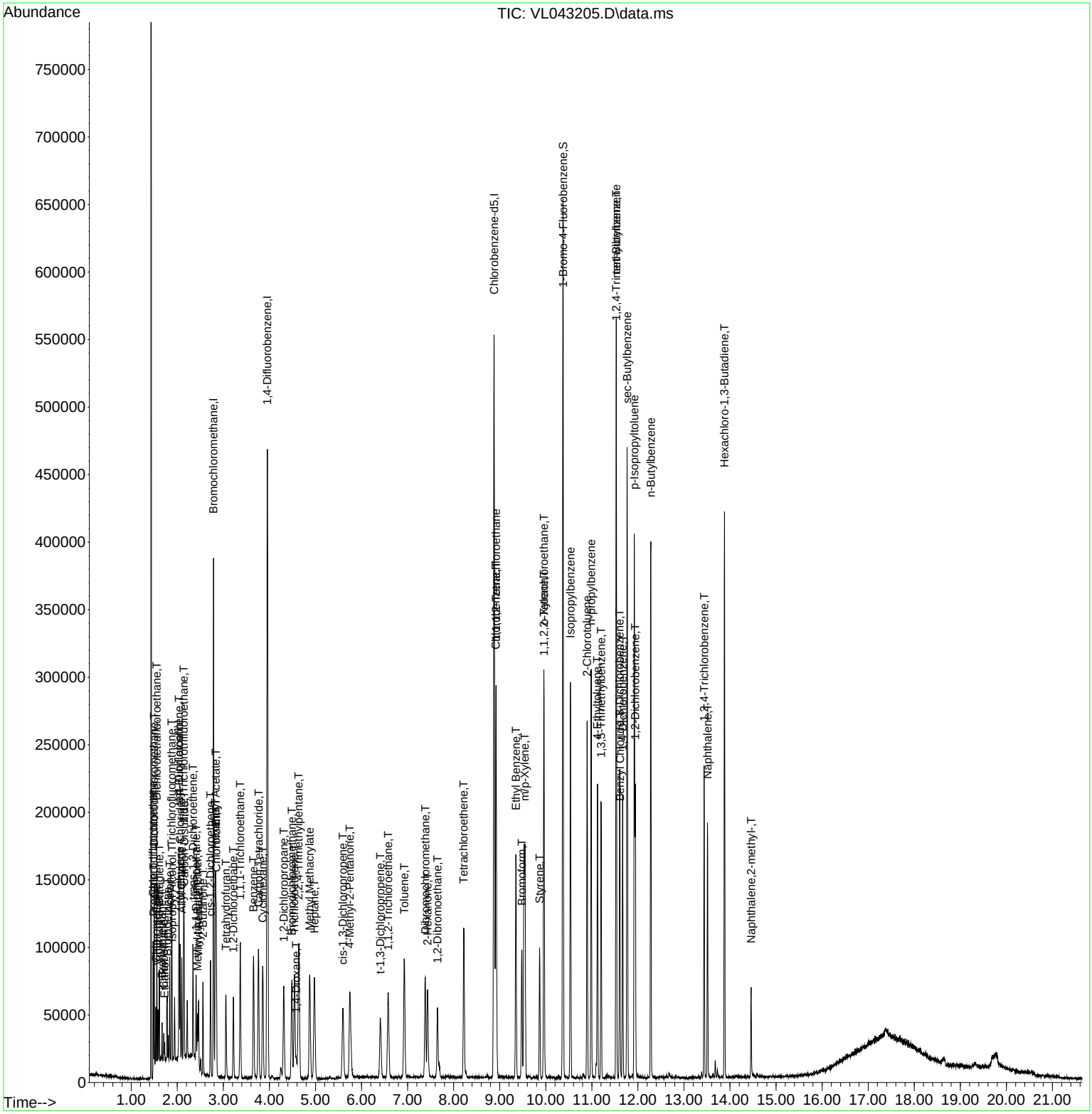
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	31986	2.020	ppbv		91
47) 1,1,2-Trichloroethane	6.577	97	12775	1.201	ppbv		96
48) Dibromochloromethane	7.386	129	16152	0.887	ppbv	#	10
49) Bromoform	9.480	173	33057	2.050	ppbv		98
50) 4-Methyl-2-Pentanone	5.745	43	58461	2.066	ppbv		98
51) 2-Hexanone	7.432	43	46444	2.113	ppbv	#	99
52) Tetrachloroethene	8.218	164	19856	1.958	ppbv		96
53) Toluene	6.927	91	65238	2.008	ppbv		97
54) 1,2-Dibromoethane	7.648	107	31266	2.007	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.920	131	35099	2.071	ppbv		99
57) Chlorobenzene	8.917	112	50228	2.121	ppbv		97
58) Ethyl Benzene	9.351	91	92649	2.087	ppbv		98
59) m/p-Xylene	9.545	91	65660	1.838	ppbv	#	31
60) o-Xylene	9.959	91	76540	2.153	ppbv		100
61) Styrene	9.866	104	33188	2.133	ppbv		98
62) Isopropylbenzene	10.536	105	135853	2.136	ppbv		98
63) 1,1,2,2-Tetrachloroethane	9.963	83	47439	2.102	ppbv		99
64) n-propylbenzene	10.985	120	34915	2.136	ppbv		99
65) tert-Butylbenzene	11.529	119	122064	2.149	ppbv		99
66) Benzyl Chloride	11.610	91	11870	2.059	ppbv		99
67) sec-Butylbenzene	11.765	105	170529	2.151	ppbv		100
69) p-Isopropyltoluene	11.921	119	147482	2.195	ppbv		98
70) n-Butylbenzene	12.280	91	144148	2.212	ppbv		99
71) 2-Chlorotoluene	10.898	91	101951	2.085	ppbv		100
72) 4-Ethyltoluene	11.121	105	92654	2.140	ppbv		99
73) 1,3,5-Trimethylbenzene	11.202	105	76655	2.110	ppbv		96
74) 1,2,4-Trimethylbenzene	11.532	105	86286	2.176	ppbv		98
75) 1,3-Dichlorobenzene	11.604	146	48961	2.116	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	48881	2.112	ppbv		98
77) 1,2-Dichlorobenzene	11.944	146	48431	2.177	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	42456	2.287	ppbv		99
79) Naphthalene	13.510	128	85788	2.436	ppbv		97
80) Naphthalene,2-methyl-	14.458	142	20685	2.237	ppbv		98
81) 1,2,4-Trichlorobenzene	13.439	180	37521	2.382	ppbv		99

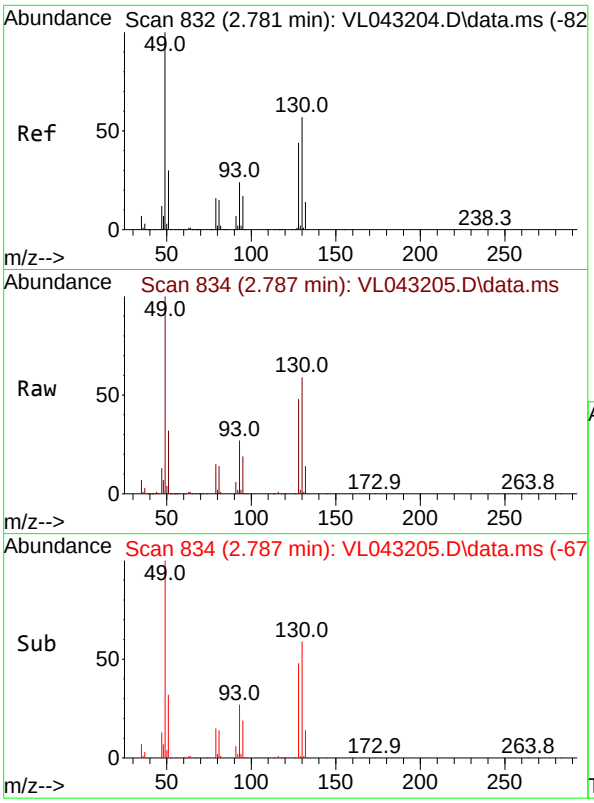
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043205.D
Acq On : 18 Nov 2025 10:37
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Nov 19 00:50:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



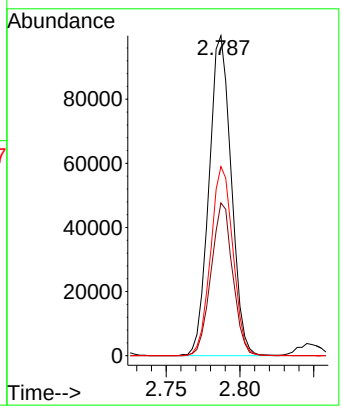


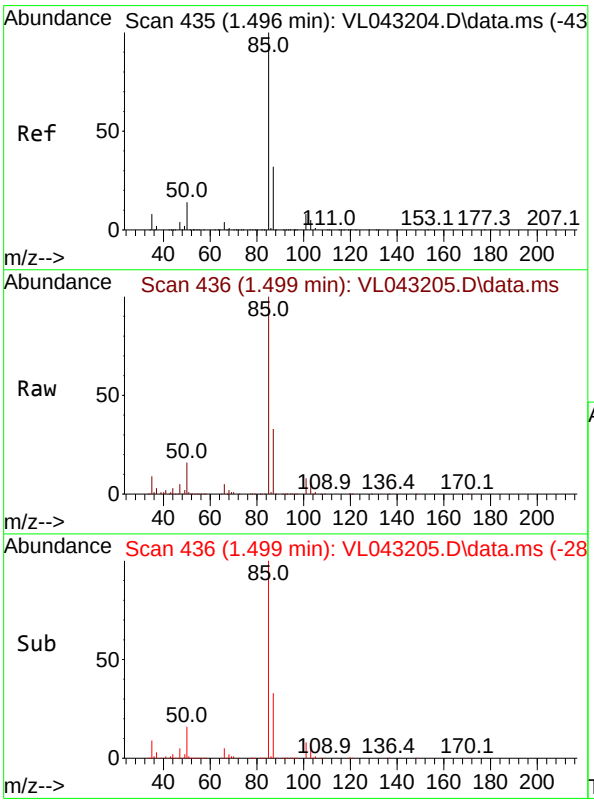
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 104644

Ion	Ratio	Lower	Upper
49	100		
128	46.4	23.0	69.0
130	59.1	29.9	89.7

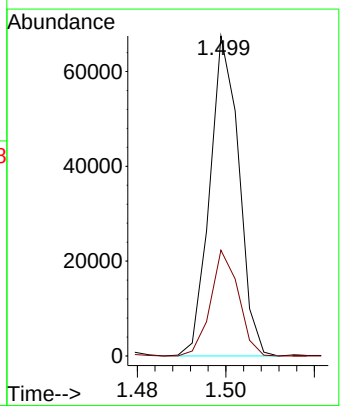


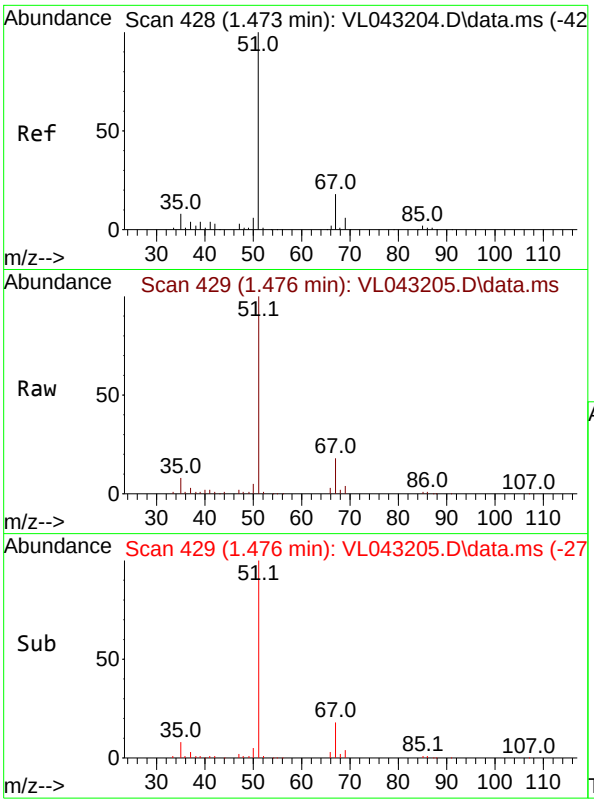


#2
Dichlorodifluoromethane
Concen: 2.092 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 85 Resp: 30881

Ion	Ratio	Lower	Upper
85	100		
87	33.1	25.4	38.2



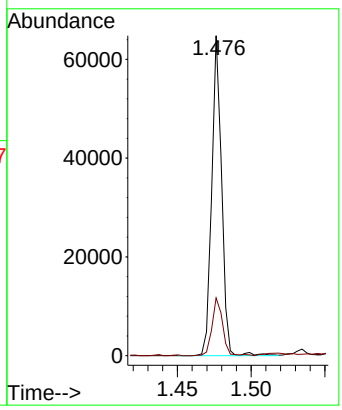


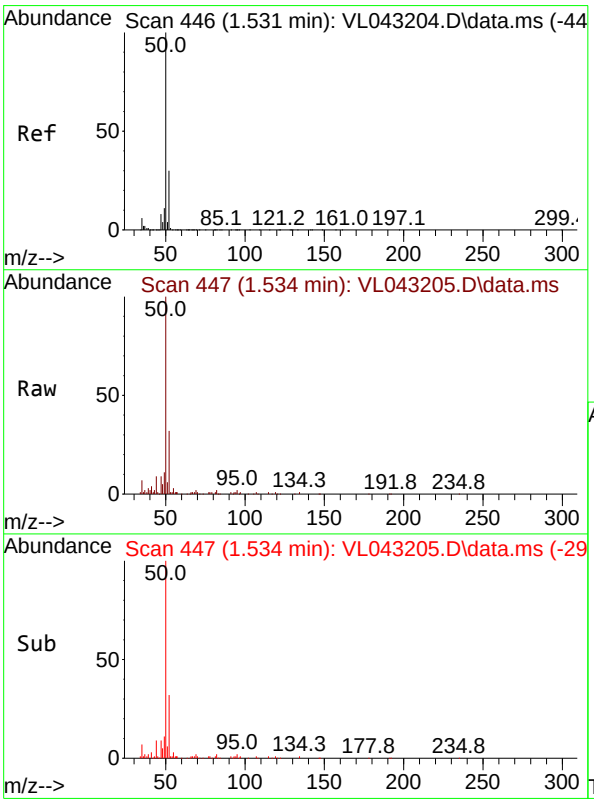
#3
Chlorodifluoromethane
Concen: 2.072 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 30069

Ion	Ratio	Lower	Upper
51	100		
67	19.4	14.9	22.3

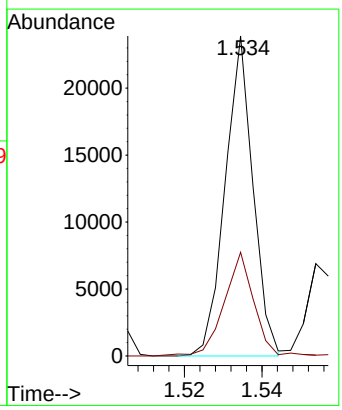


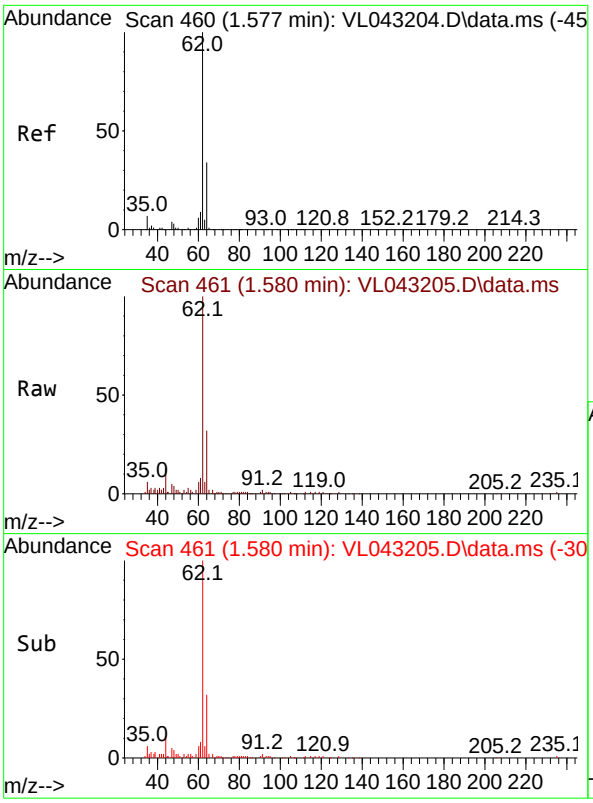


#4
Chloromethane
Concen: 2.155 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 50 Resp: 11890

Ion	Ratio	Lower	Upper
50	100		
52	32.0	24.1	36.1



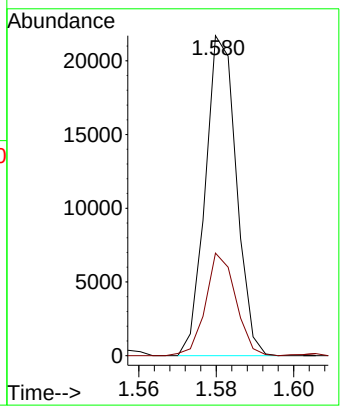


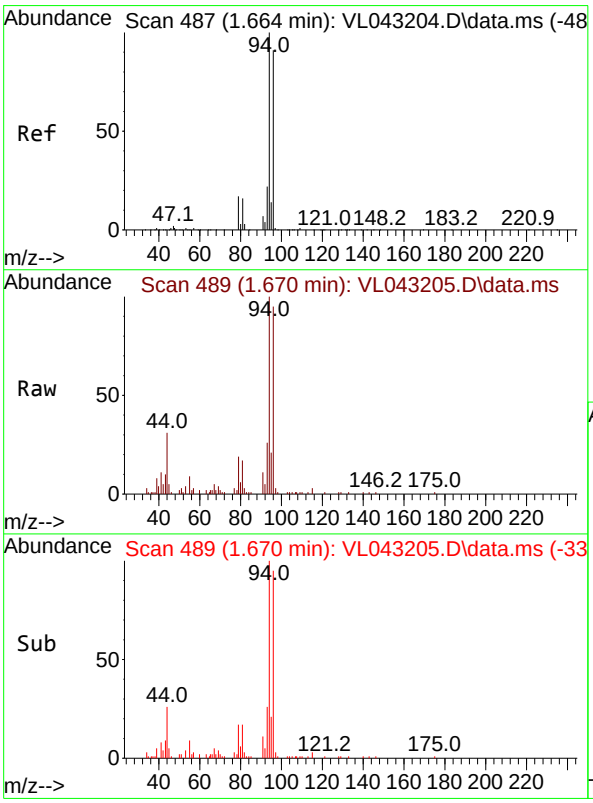
#5
Vinyl Chloride
Concen: 1.995 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 12040

Ion	Ratio	Lower	Upper
62	100		
64	32.1	27.3	40.9

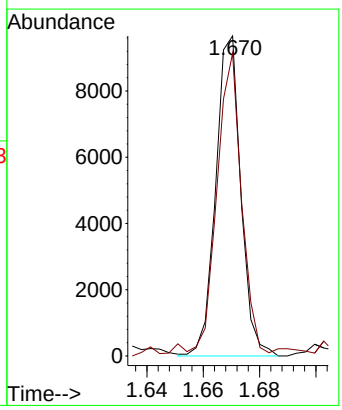


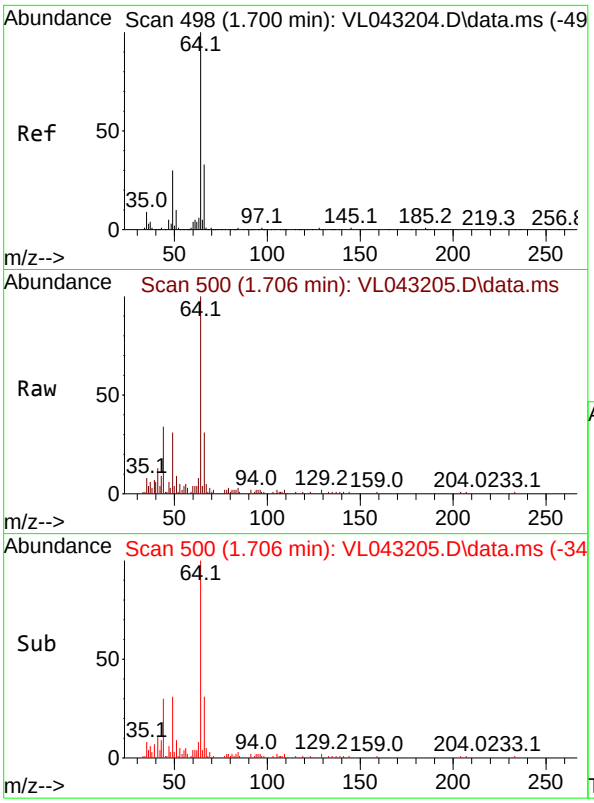


#6
Bromomethane
Concen: 2.044 ppbv
RT: 1.670 min Scan# 489
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 94 Resp: 5981

Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.9	109.3



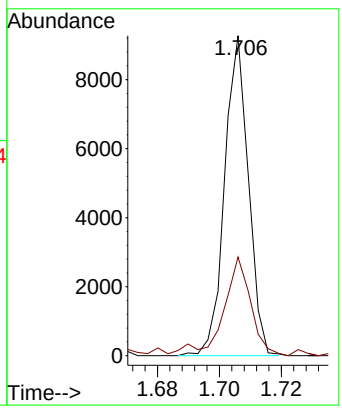


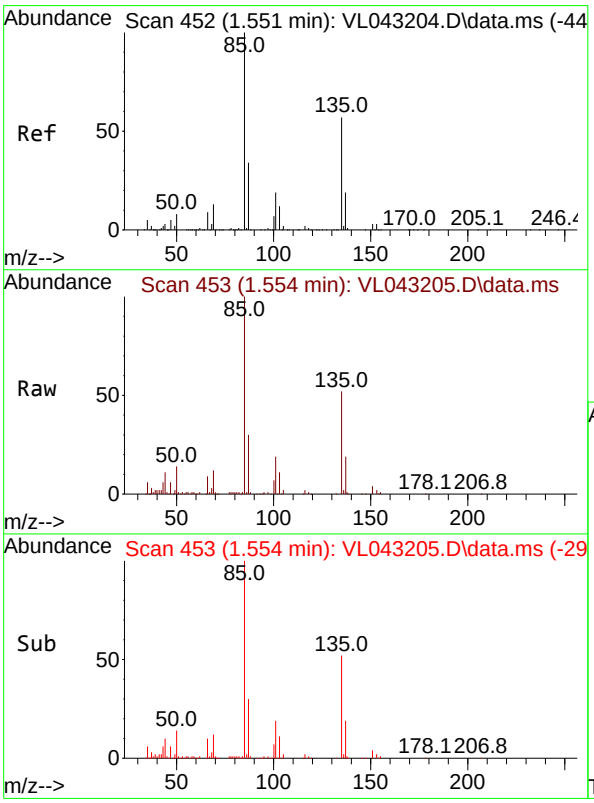
#7
Chloroethane
Concen: 2.103 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 4943

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.8	40.2

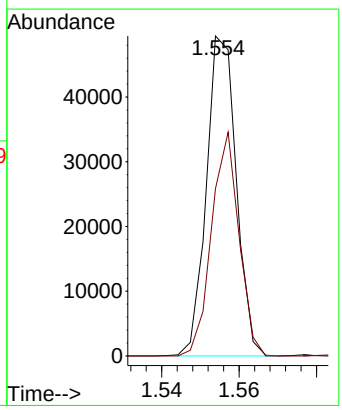


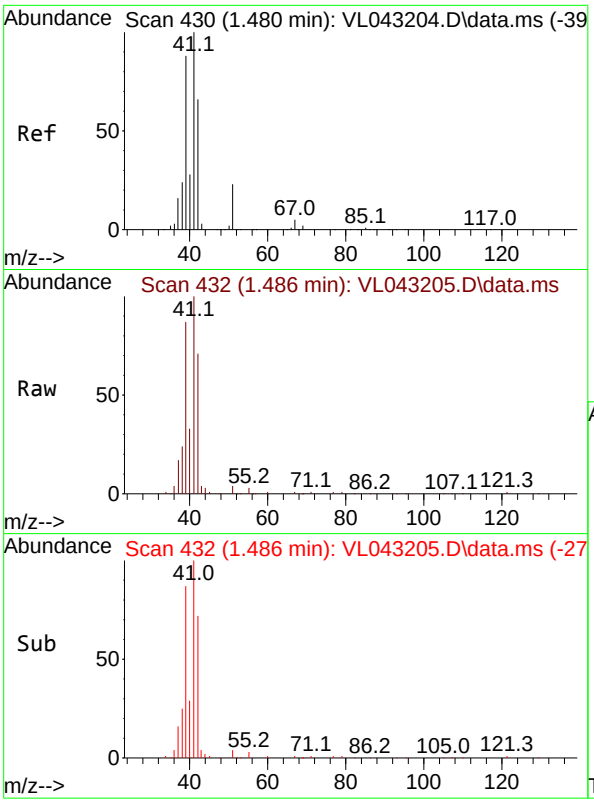


#8
Dichlorotetrafluoroethane
Concen: 2.151 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 85 Resp: 26409

Ion	Ratio	Lower	Upper
85	100		
135	64.3	52.6	79.0



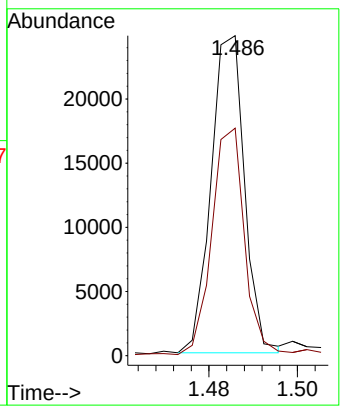


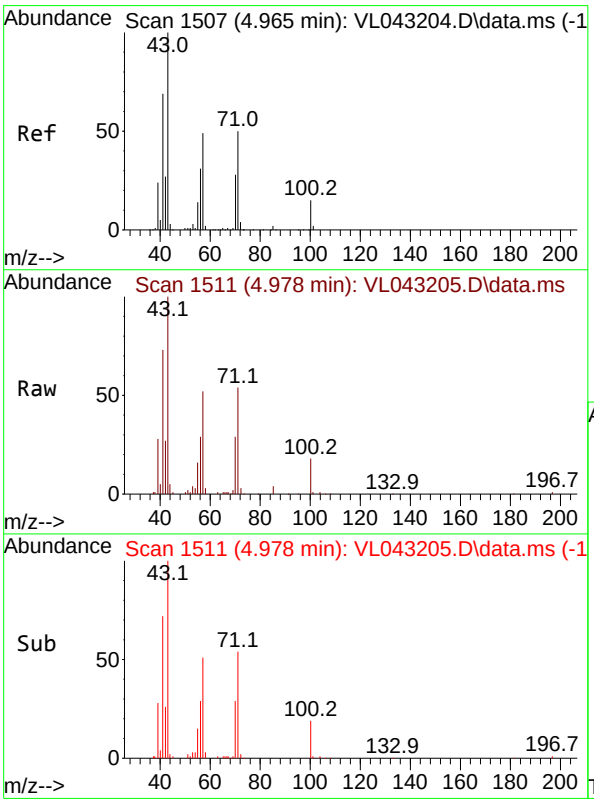
#9
Propene
Concen: 1.930 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 12993

Ion	Ratio	Lower	Upper
41	100		
42	75.1	3.7	5.5#

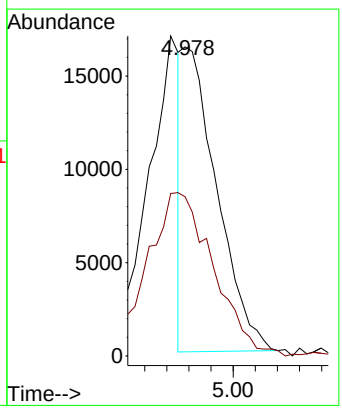


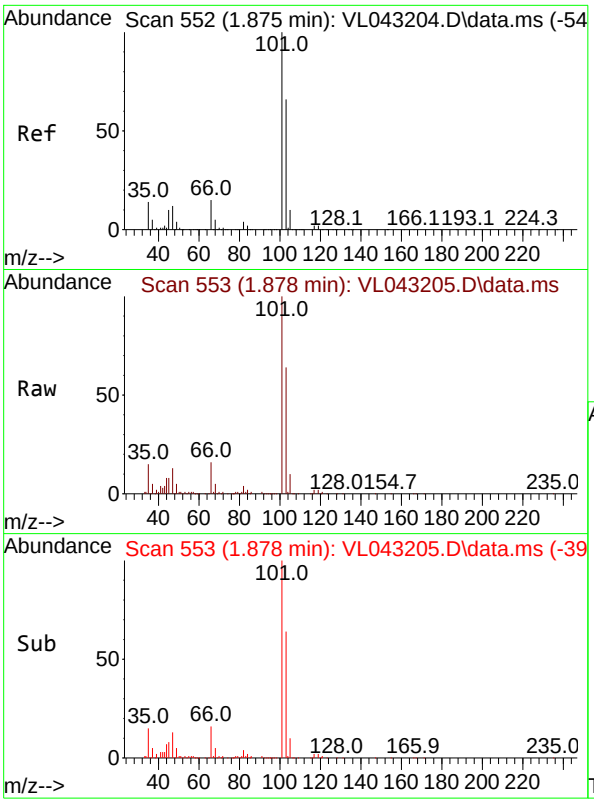


#10
Heptane
Concen: 0.958 ppbv
RT: 4.978 min Scan# 1511
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 17701

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.7	59.5#



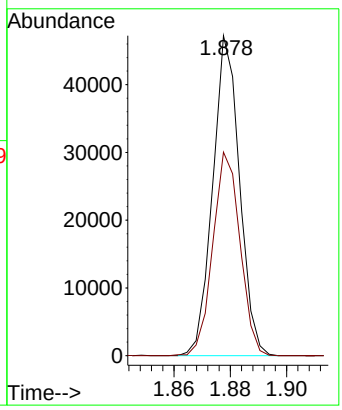


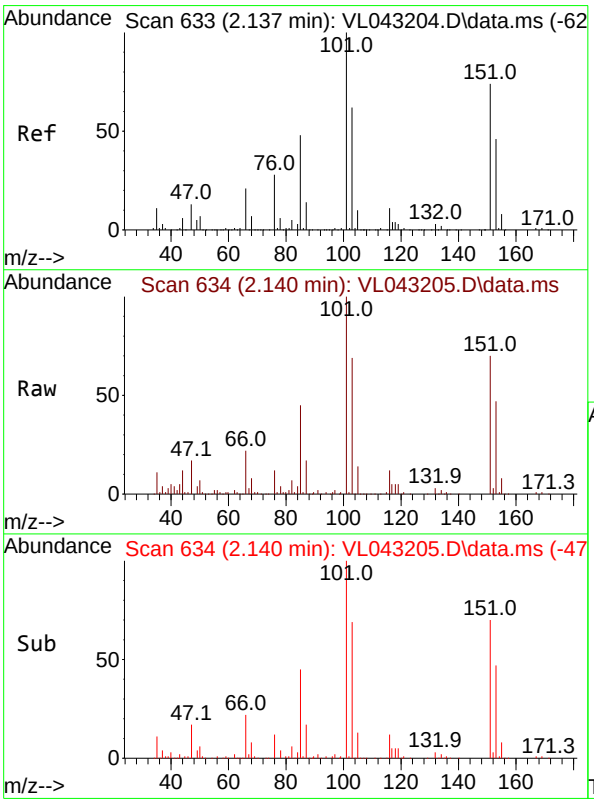
#11
Trichlorofluoromethane
Concen: 2.177 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 31124

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.6	79.0

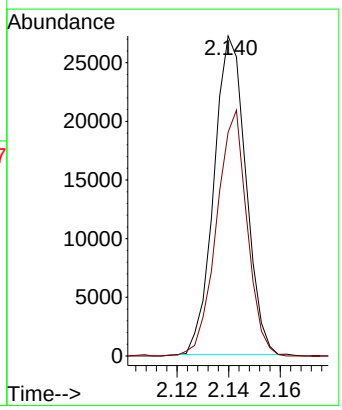


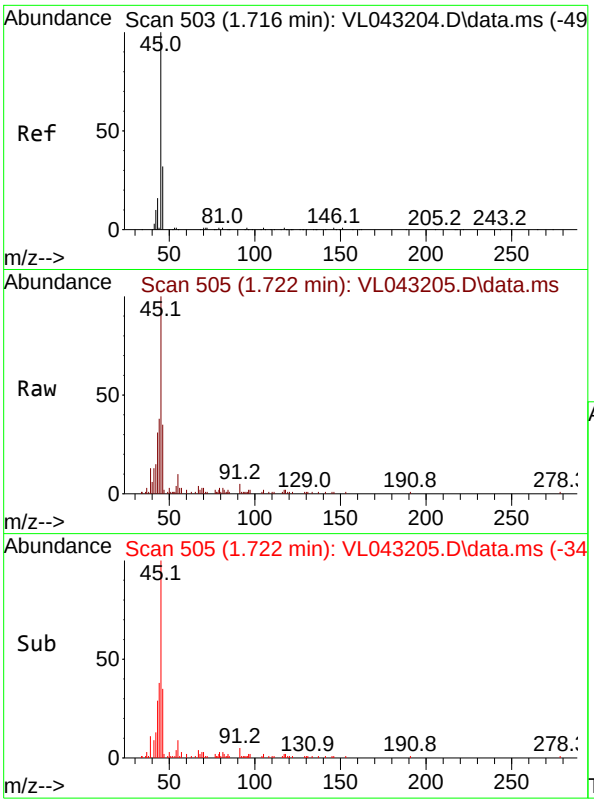


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.090 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:101 Resp: 23336

Ion	Ratio	Lower	Upper
101	100		
151	73.8	59.2	88.8



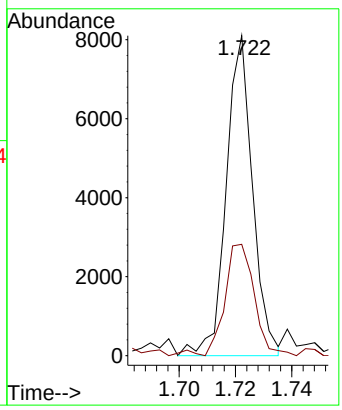


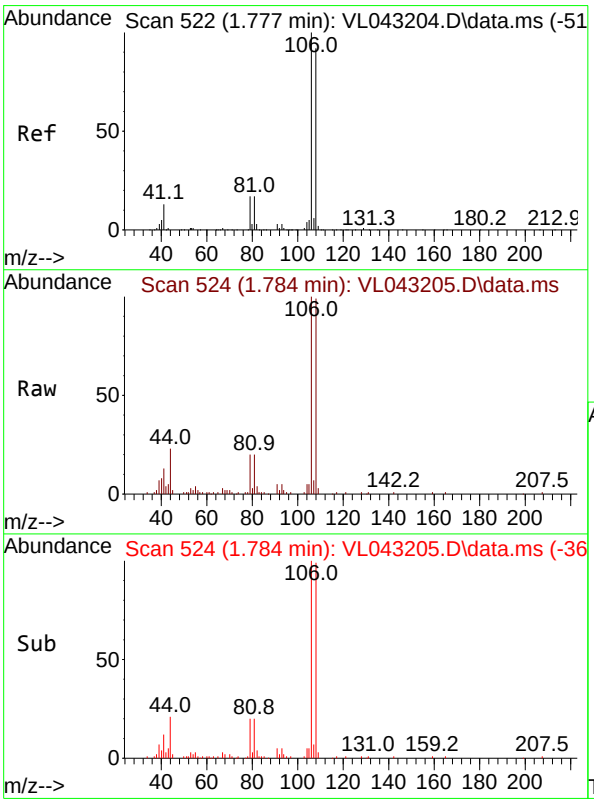
#13
Ethanol
Concen: 2.430 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 5266

Ion	Ratio	Lower	Upper
45	100		
46	45.7	15.0	59.8

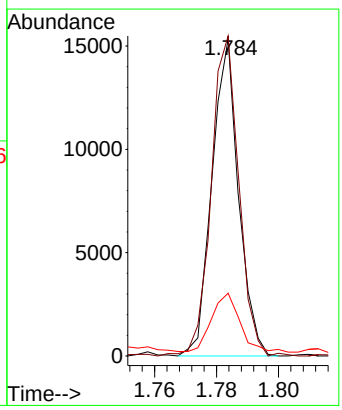


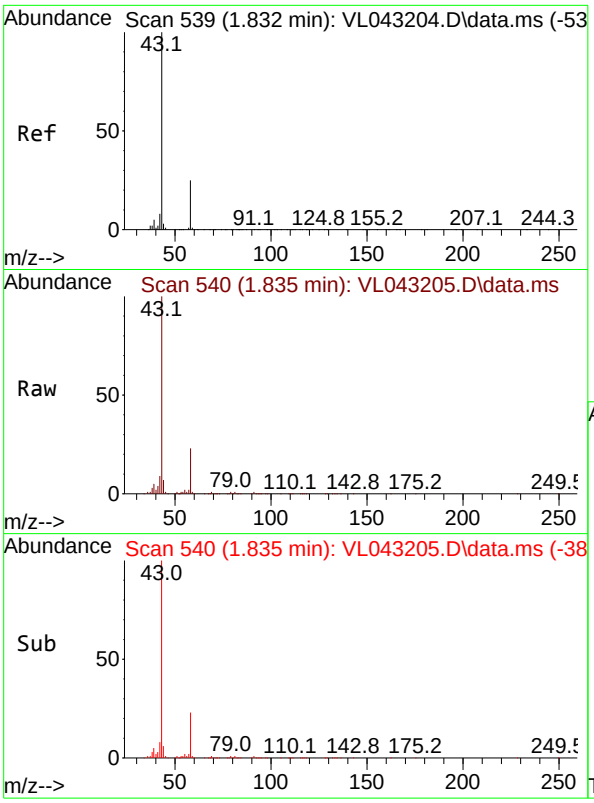


#14
Bromoethene
Concen: 2.133 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:108 Resp: 9129

Ion	Ratio	Lower	Upper
108	100		
106	106.6	88.9	133.3
79	24.3	16.5	24.7



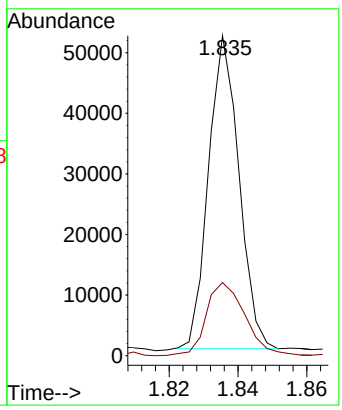


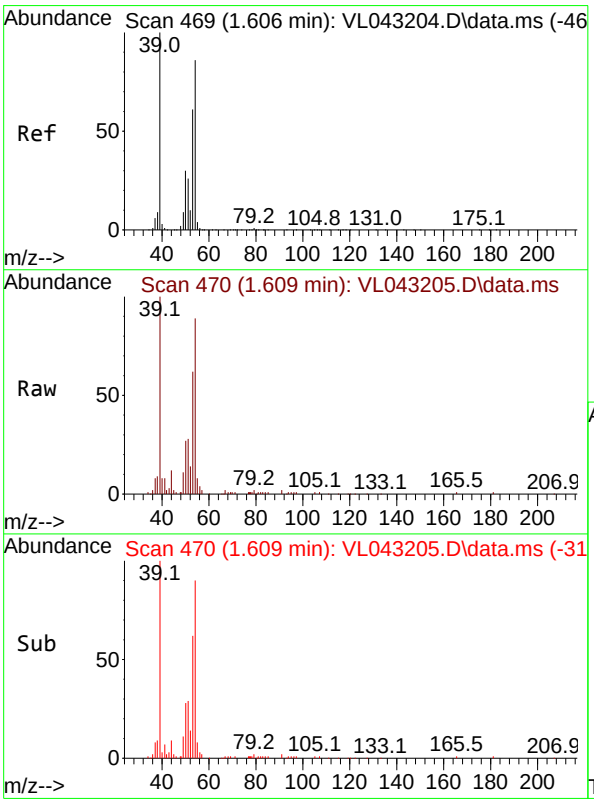
#15
Acetone
Concen: 2.186 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 31785

Ion	Ratio	Lower	Upper
43	100		
58	30.6	20.7	31.1

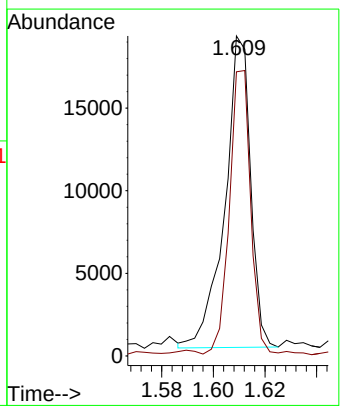


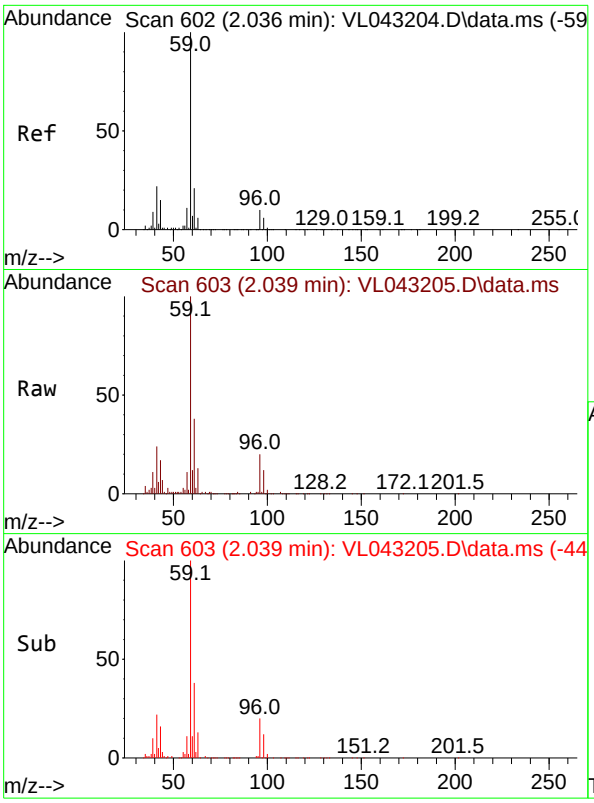


#16
1,3-Butadiene
Concen: 2.021 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 39 Resp: 13101

Ion	Ratio	Lower	Upper
39	100		
54	83.3	59.4	89.2



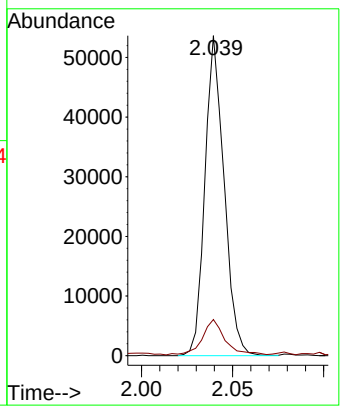


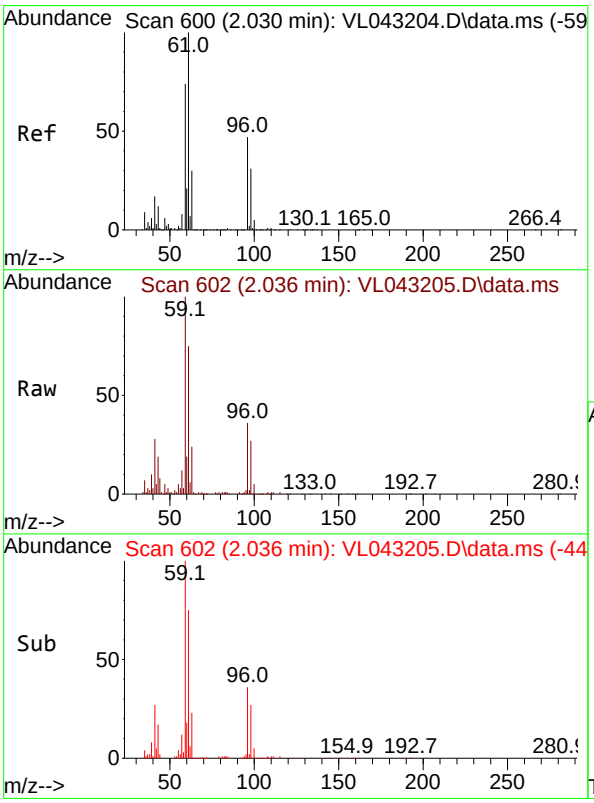
#17
tert-Butyl alcohol
Concen: 2.062 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 39348

Ion	Ratio	Lower	Upper
59	100		
57	13.3	9.0	13.4

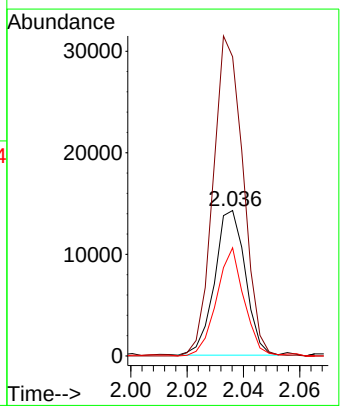


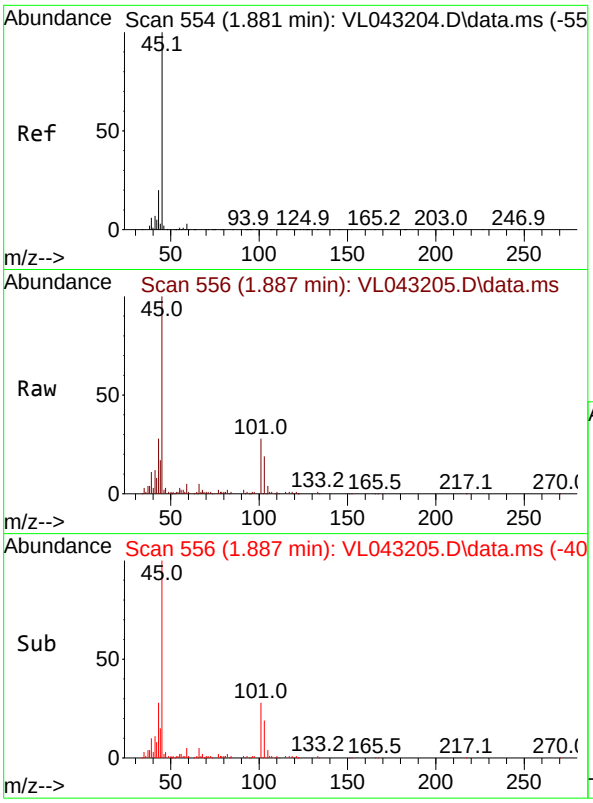


#18
1,1-Dichloroethene
Concen: 2.074 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 96 Resp: 10780

Ion	Ratio	Lower	Upper
96	100		
61	207.0	170.6	255.8
98	74.8	52.2	78.4



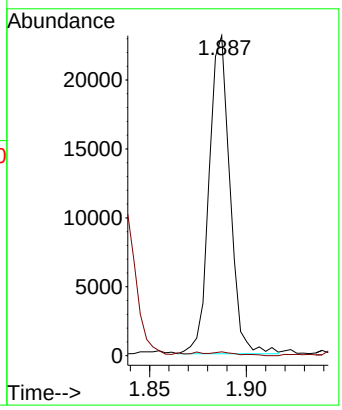


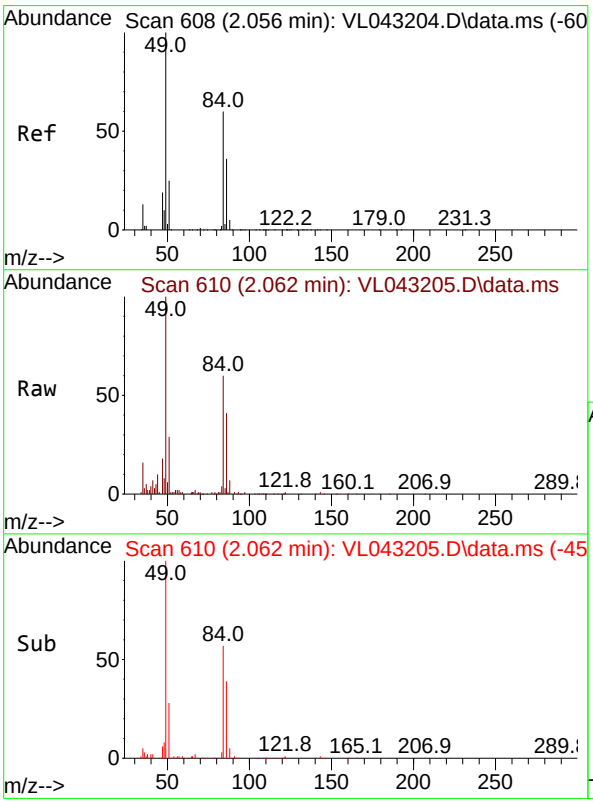
#19
Isopropyl Alcohol
Concen: 2.097 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 17229

Ion	Ratio	Lower	Upper
45	100		
58	56.6	31.3	46.9#

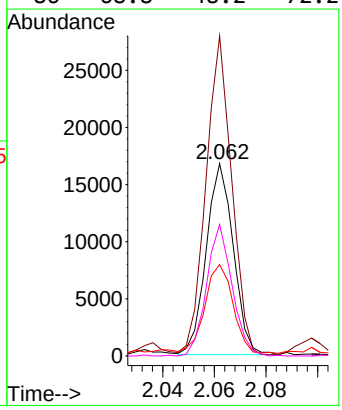


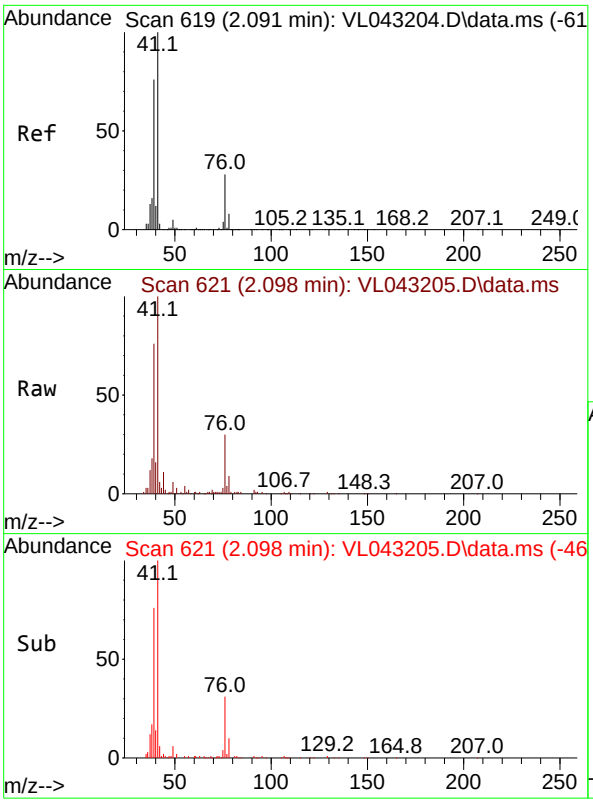


#20
Methylene Chloride
Concen: 2.248 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 84 Resp: 12238

Ion	Ratio	Lower	Upper
84	100		
49	166.8	132.9	199.3
51	46.5	34.8	52.2
86	68.8	48.2	72.2



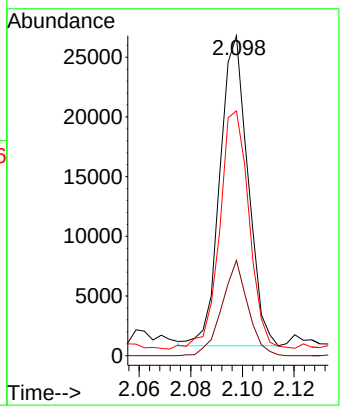


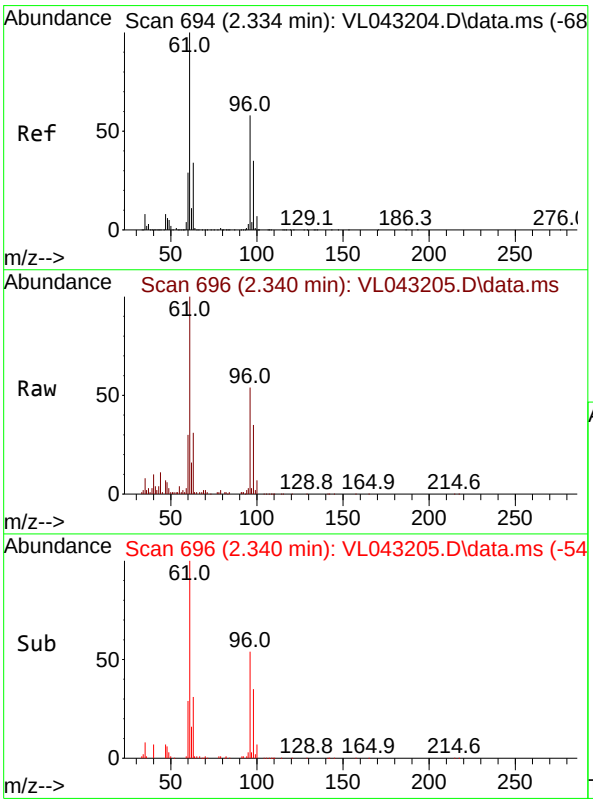
#21
Allyl Chloride
Concen: 2.002 ppbv
RT: 2.098 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 19580

Ion	Ratio	Lower	Upper
41	100		
76	28.6	22.1	33.1
39	81.8	61.0	91.4

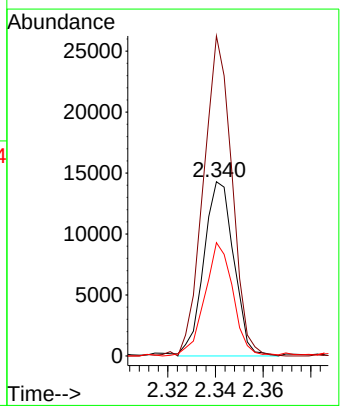


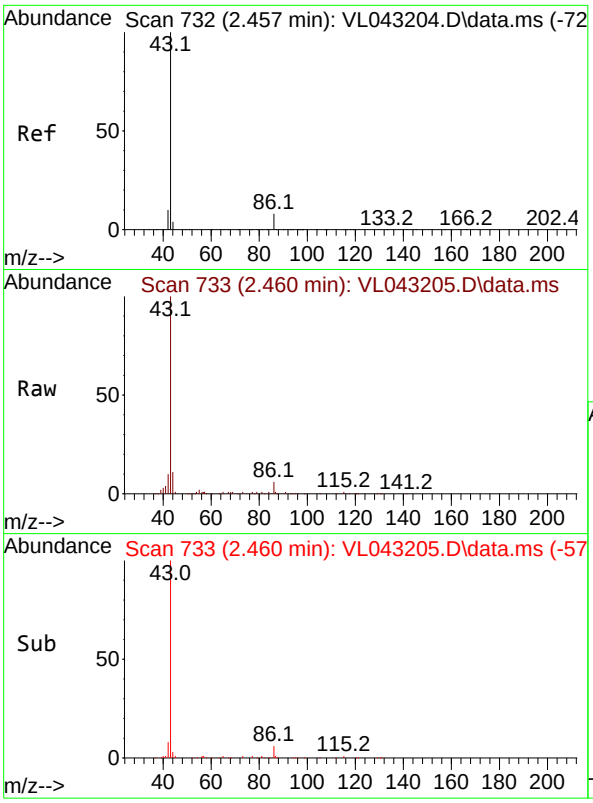


#22
trans-1,2-Dichloroethene
Concen: 2.110 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 96 Resp: 12537

Ion	Ratio	Lower	Upper
96	100		
61	183.6	139.0	208.6
98	64.3	49.4	74.2



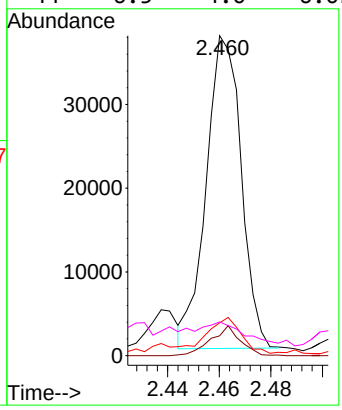


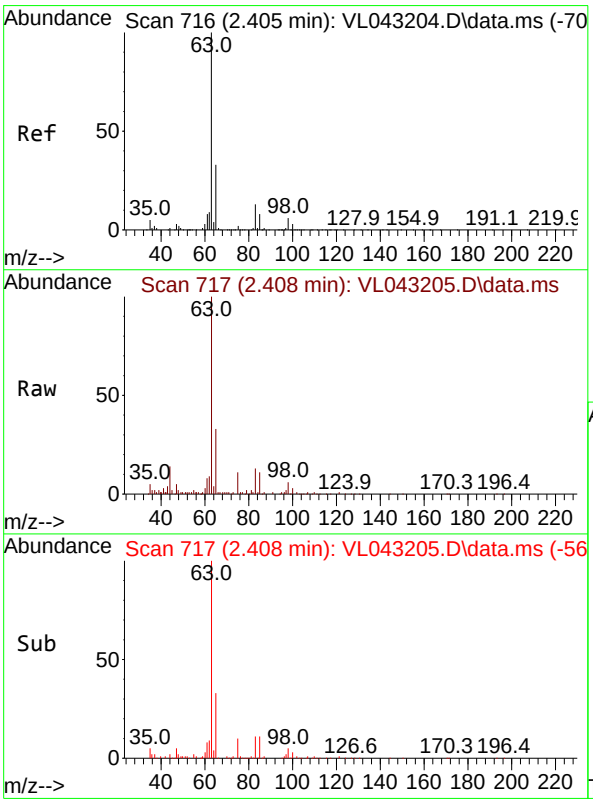
#23
Vinyl Acetate
Concen: 2.006 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 35205

Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.2	9.2
42	9.5	8.0	12.0
44	6.5	4.0	6.0#

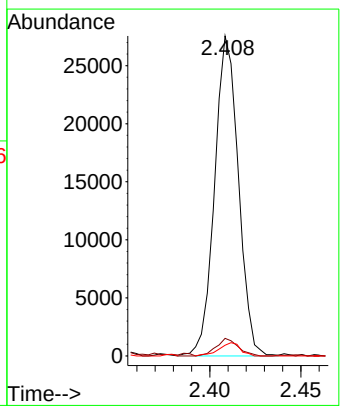


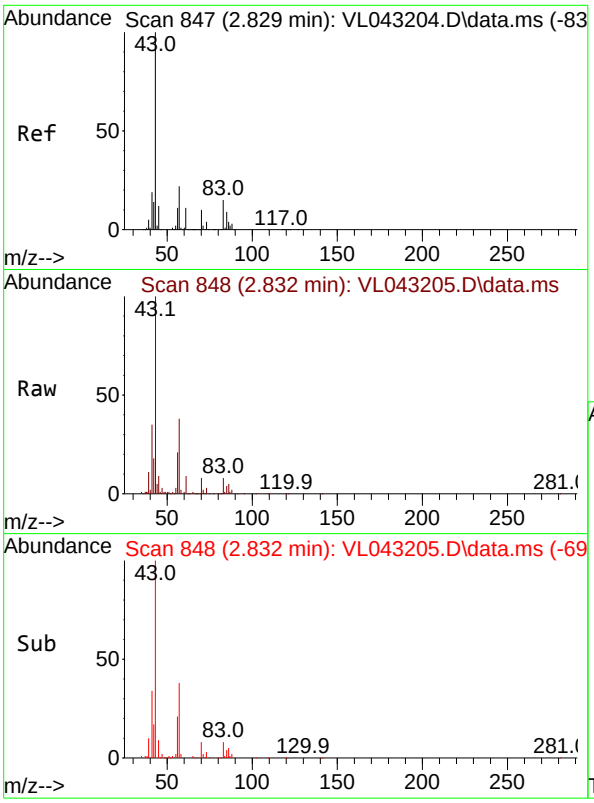


#24
1,1-Dichloroethane
Concen: 2.179 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 63 Resp: 24987

Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.8	8.4
100	3.3	1.3	3.9



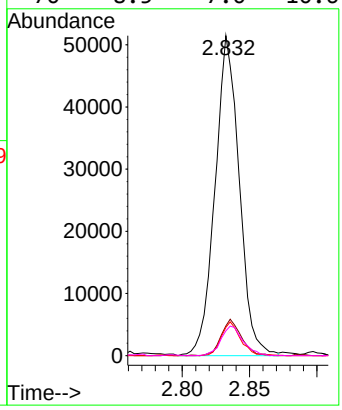


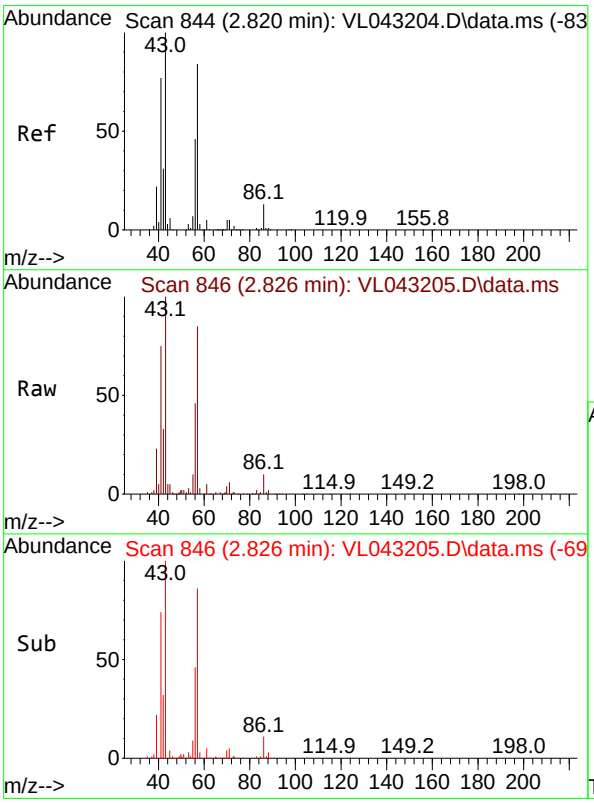
#25
Ethyl Acetate
Concen: 2.048 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 64343

Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.1	12.1
61	8.5	7.0	10.4
70	8.5	7.0	10.6

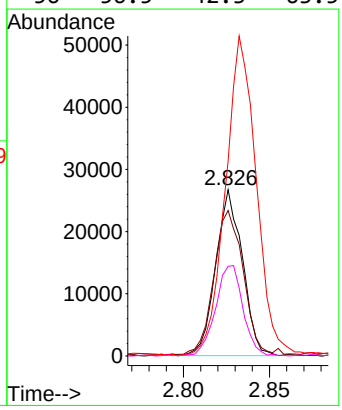


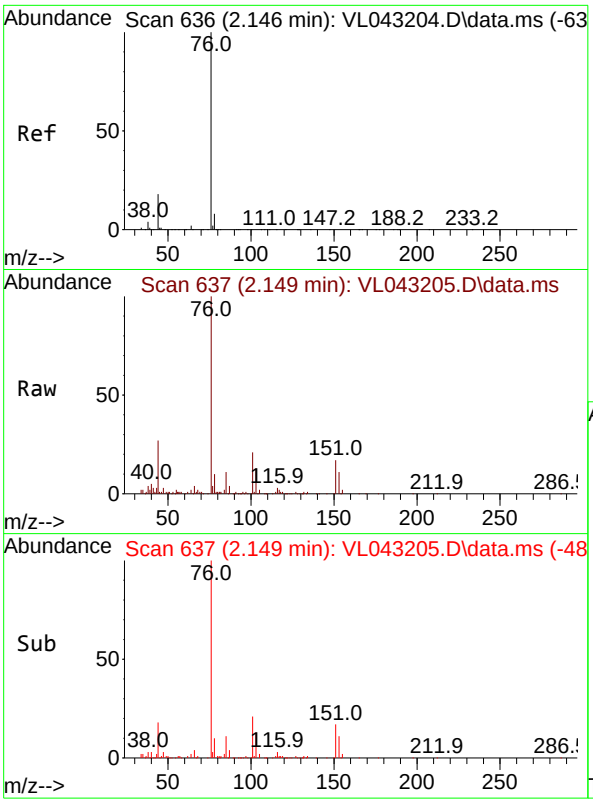


#26
Hexane
Concen: 2.093 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 57 Resp: 28776

Ion	Ratio	Lower	Upper
57	100		
41	96.3	74.6	111.8
43	221.0	179.0	268.4
56	56.5	42.3	63.5



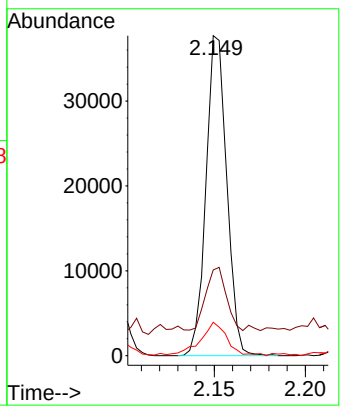


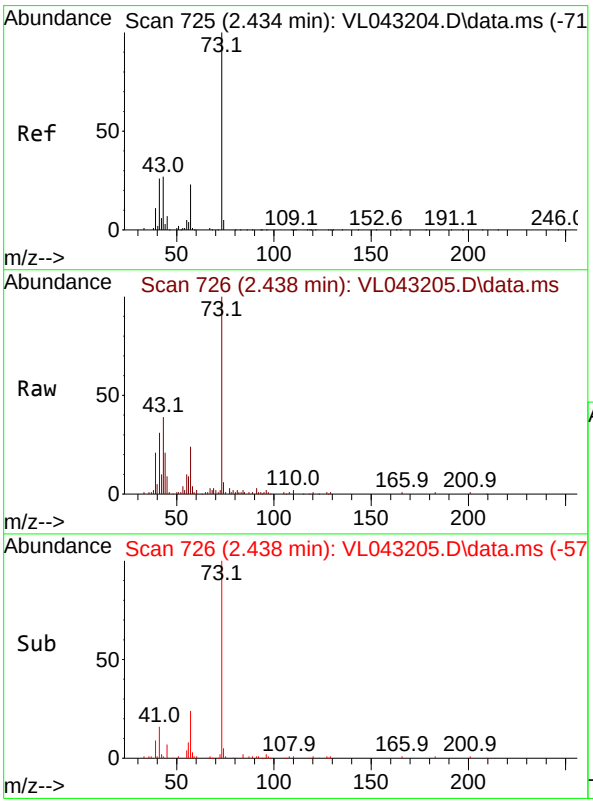
#27
Carbon Disulfide
Concen: 2.135 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 29964

Ion	Ratio	Lower	Upper
76	100		
44	26.0	16.1	24.1#
78	13.5	9.6	14.4

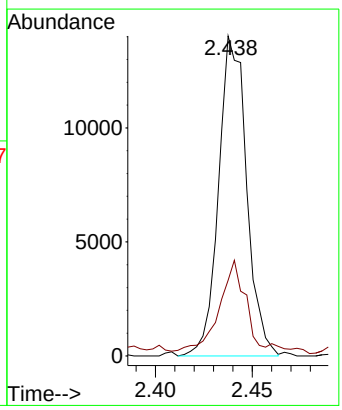


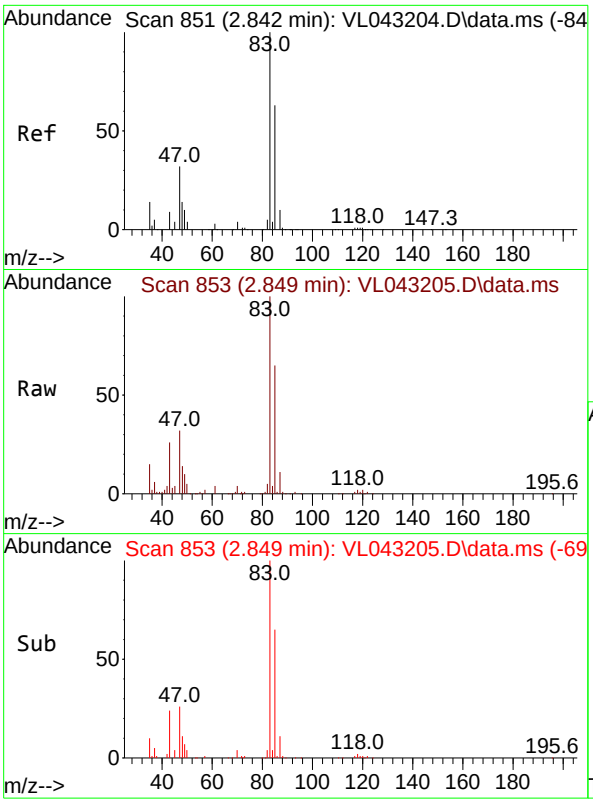


#28
Methyl tert-Butyl Ether
Concen: 2.090 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 73 Resp: 14101

Ion	Ratio	Lower	Upper
73	100		
57	32.5	19.8	29.8#



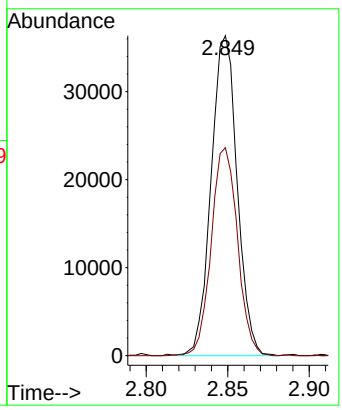


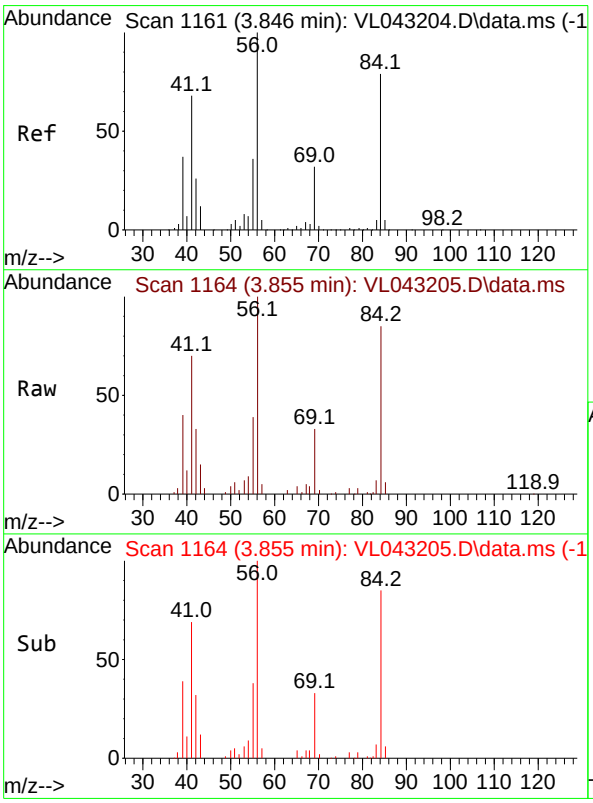
#29
Chloroform
Concen: 2.065 ppbv
RT: 2.849 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 40355

Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.5	75.7

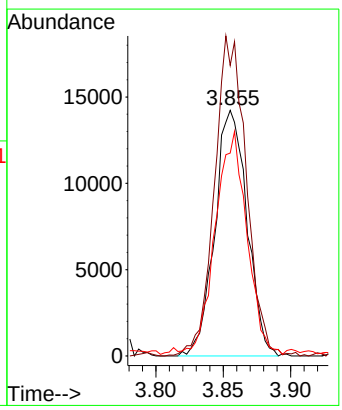


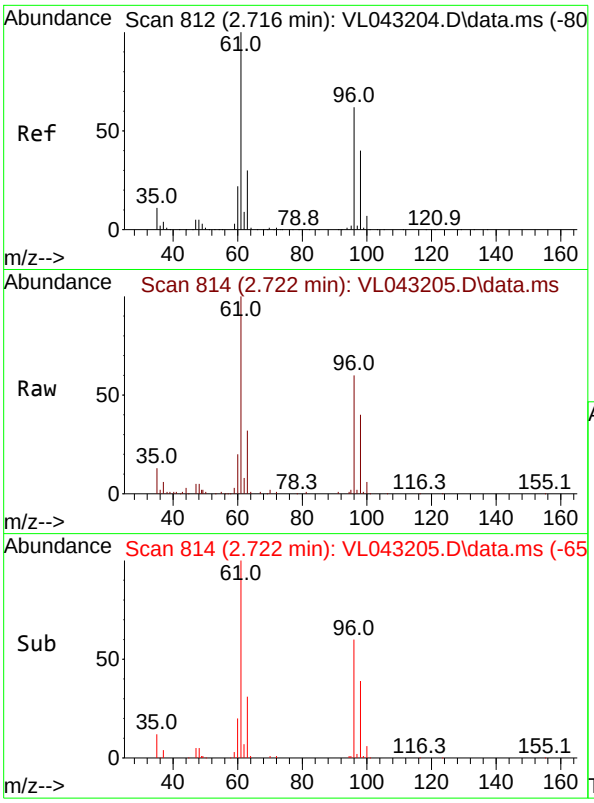


#30
Cyclohexane
Concen: 2.053 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 84 Resp: 23659

Ion	Ratio	Lower	Upper
84	100		
56	129.3	104.7	157.1
41	89.8	69.0	103.6



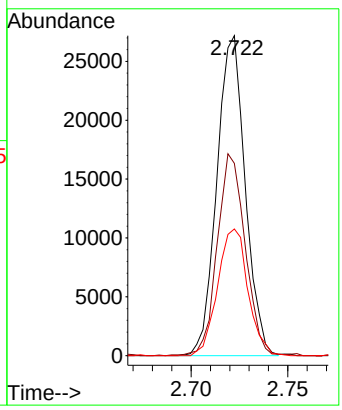


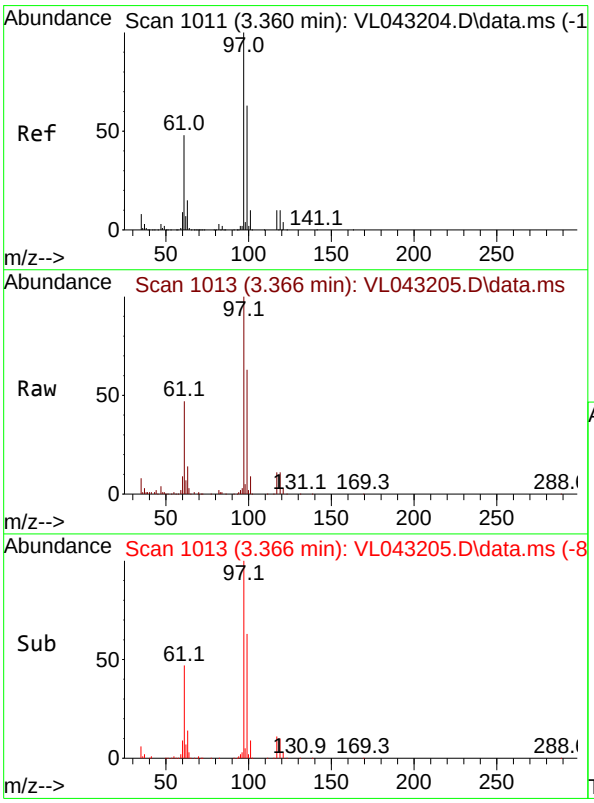
#31
cis-1,2-Dichloroethene
Concen: 2.024 ppbv
RT: 2.722 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 27663

Ion	Ratio	Lower	Upper
61	100		
96	59.9	49.3	73.9
98	39.6	32.1	48.1

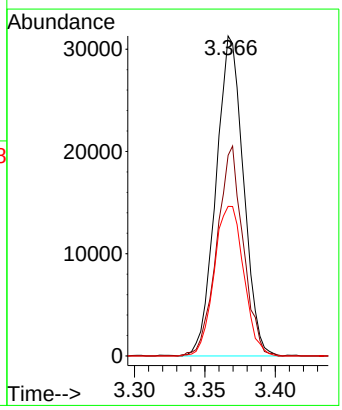


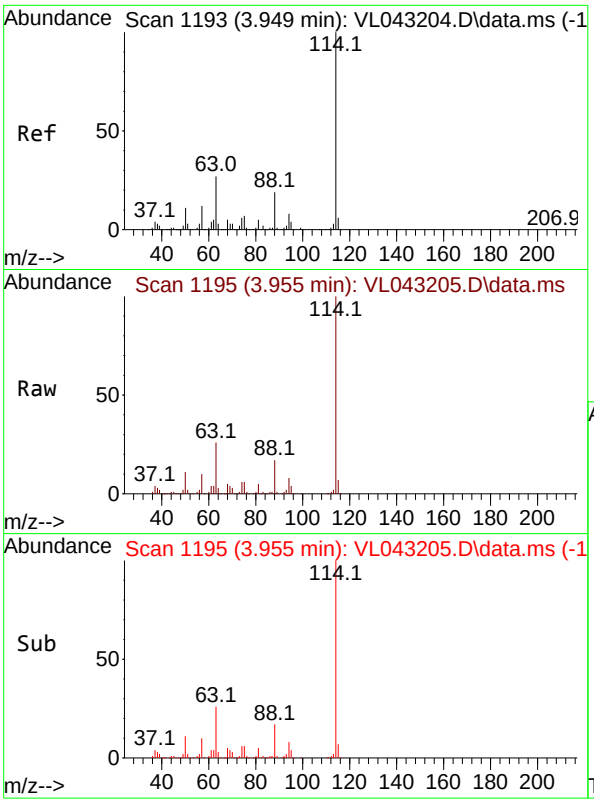


#32
1,1,1-Trichloroethane
Concen: 2.024 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 97 Resp: 42547

Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.3	75.5
61	50.4	38.9	58.3



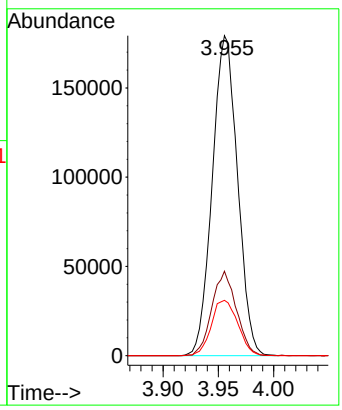


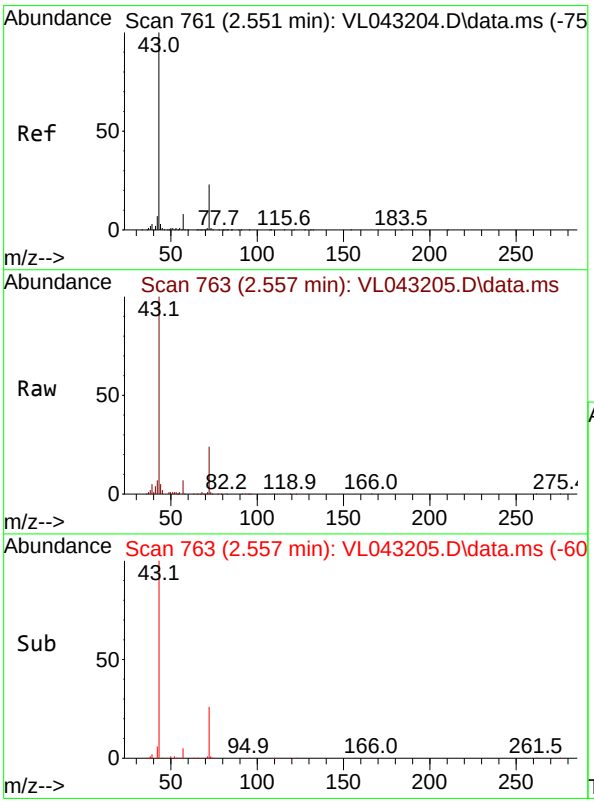
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 284629

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	18.2	14.9	22.3

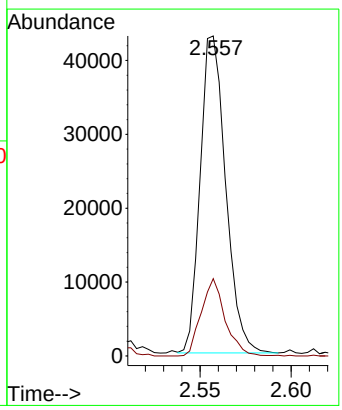


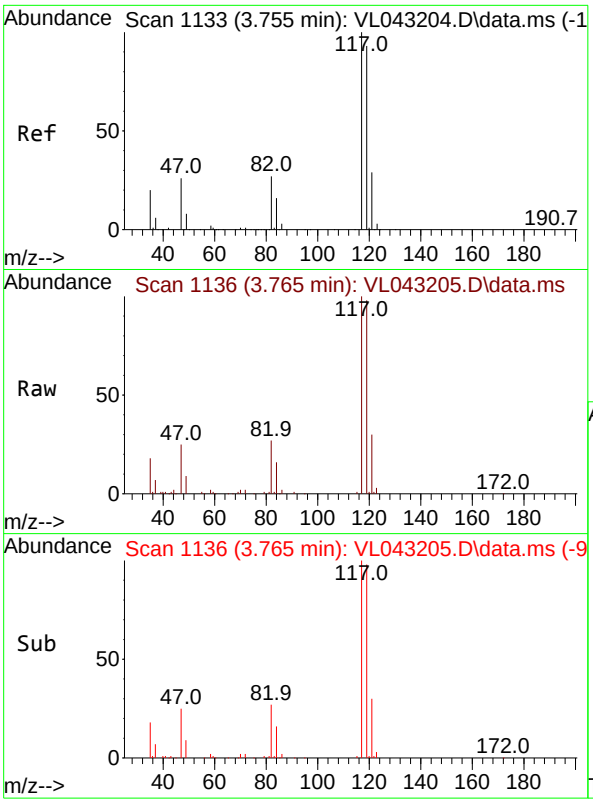


#34
2-Butanone
Concen: 2.085 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 41884

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.1	27.1



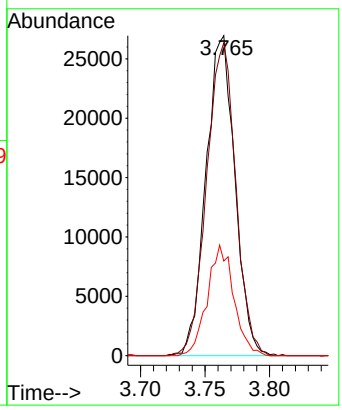


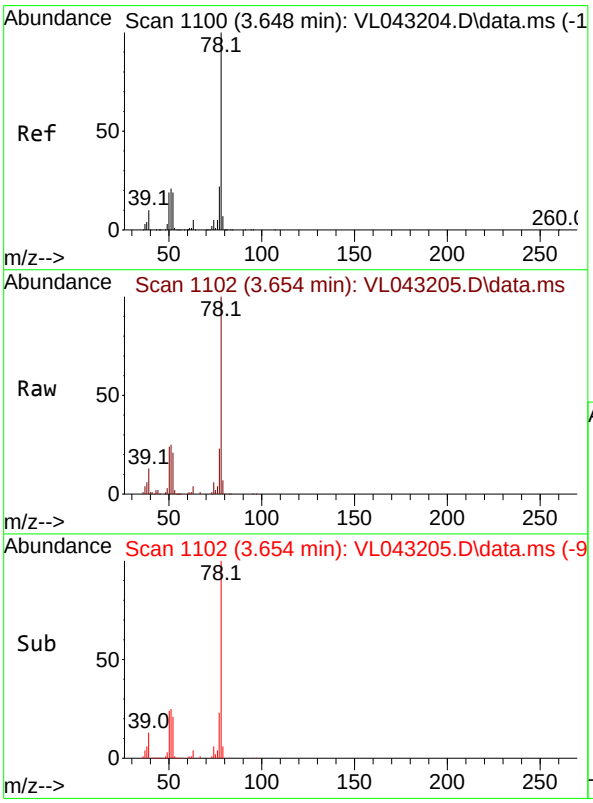
#35
Carbon Tetrachloride
Concen: 1.942 ppbv
RT: 3.765 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 41949

Ion	Ratio	Lower	Upper
117	100		
119	97.8	74.6	112.0
121	29.6	23.2	34.8

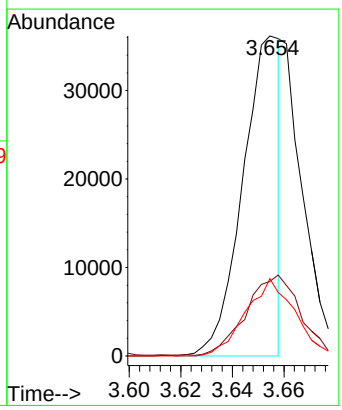


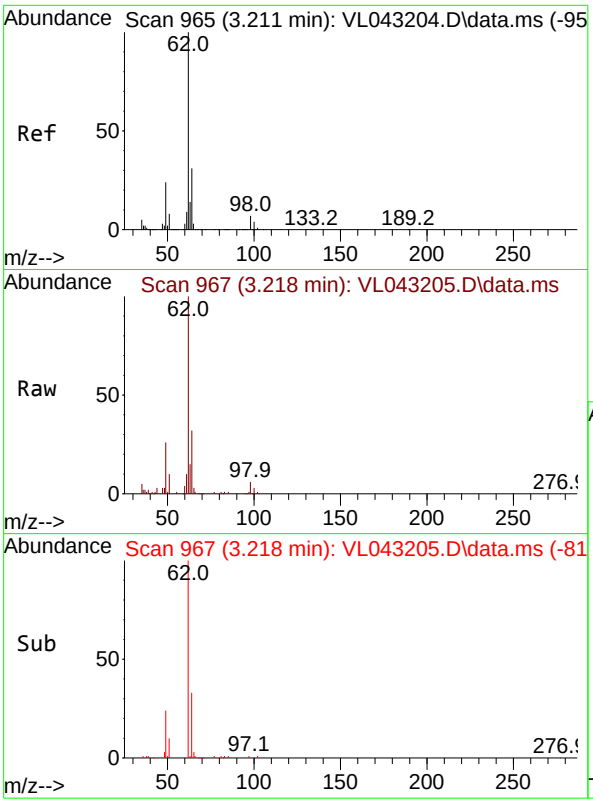


#36
Benzene
Concen: 1.334 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 78 Resp: 36362

Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.5	26.3
50	24.1	15.5	23.3#



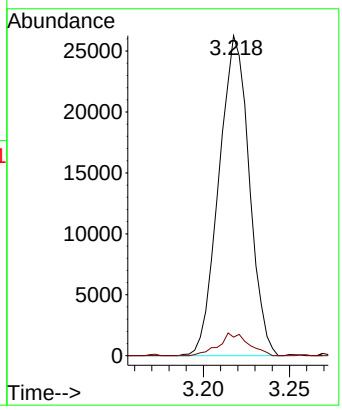


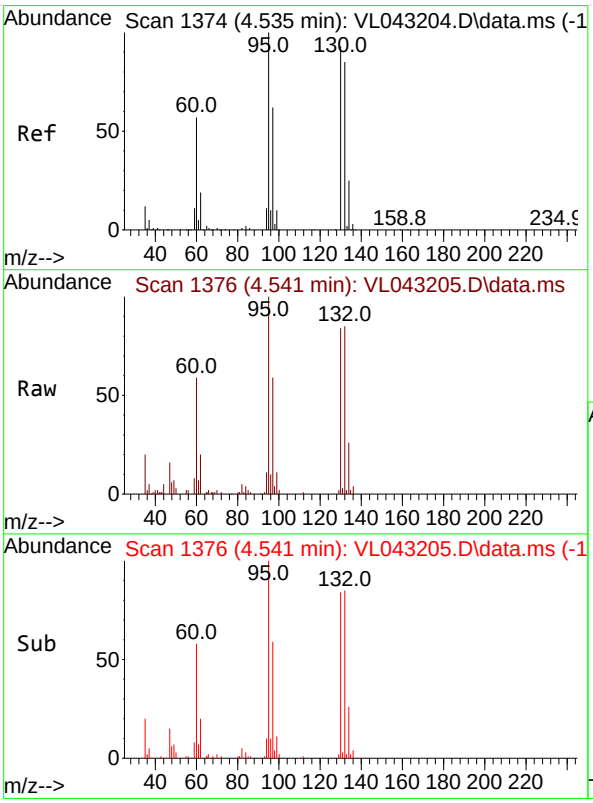
#37
1,2-Dichloroethane
Concen: 2.019 ppbv
RT: 3.218 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 32188

Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.5	8.3

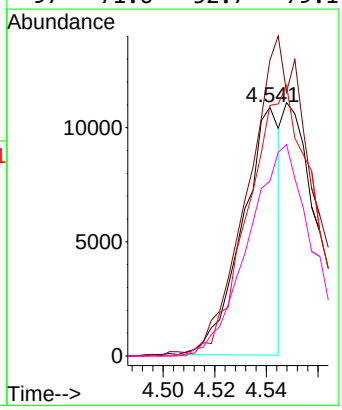


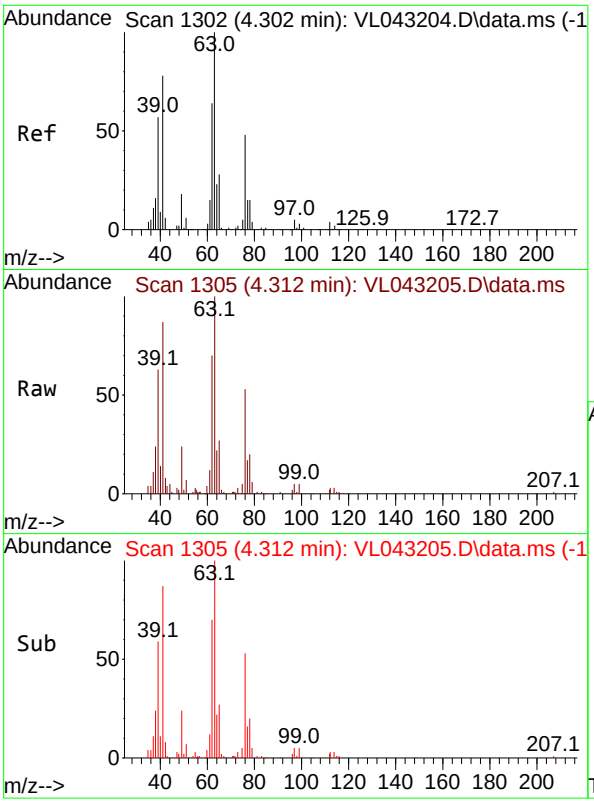


#38
Trichloroethene
Concen: 1.015 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:130 Resp: 10841

Ion	Ratio	Lower	Upper
130	100		
95	120.4	85.7	128.5
132	103.5	73.4	110.0
97	71.6	52.7	79.1



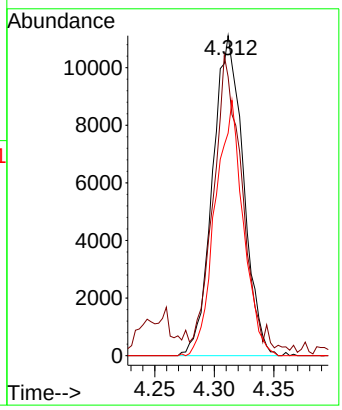


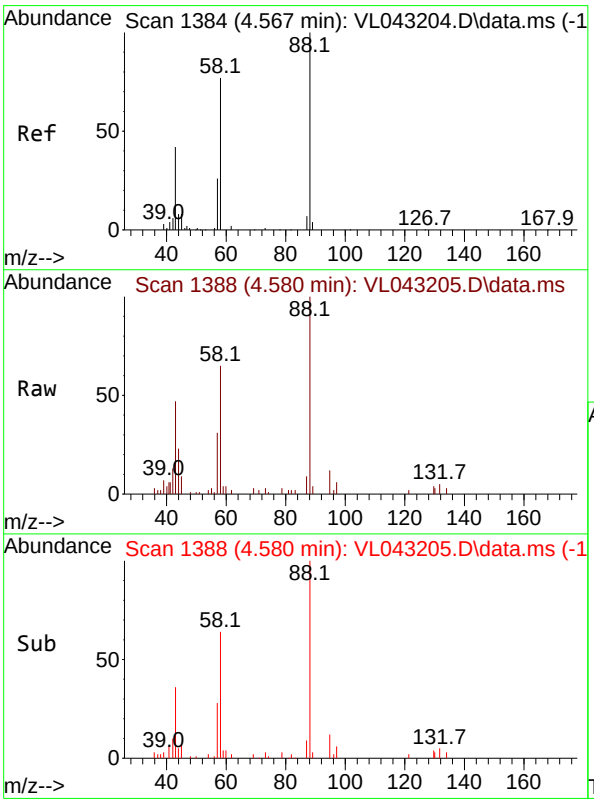
#39
1,2-Dichloropropane
Concen: 1.996 ppbv
RT: 4.312 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 19913

Ion	Ratio	Lower	Upper
63	100		
41	83.9	62.6	93.8
62	69.5	51.0	76.6

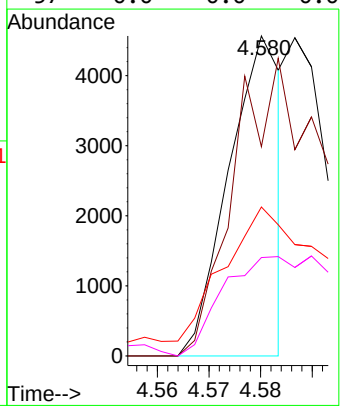


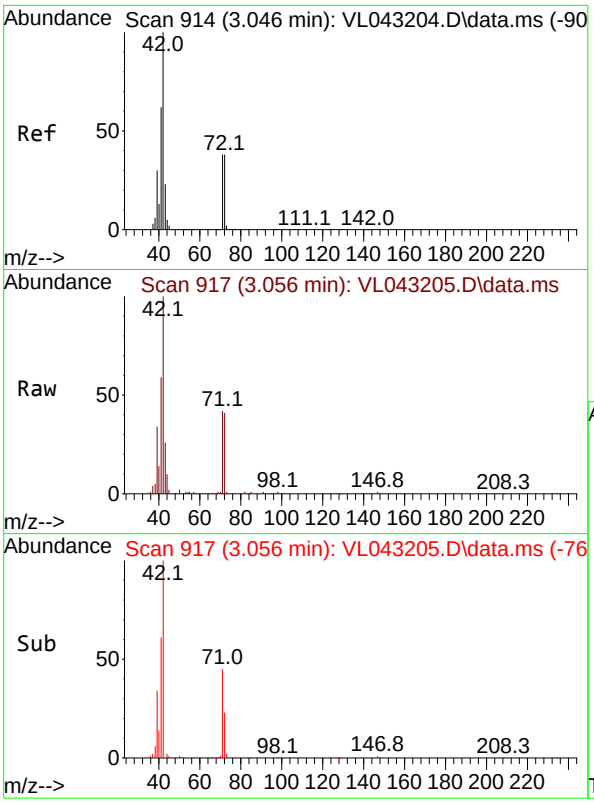


#40
1,4-Dioxane
Concen: 0.721 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 88 Resp: 3232

Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.0	94.6#
43	0.0	32.5	48.7#
57	0.0	0.0	0.0



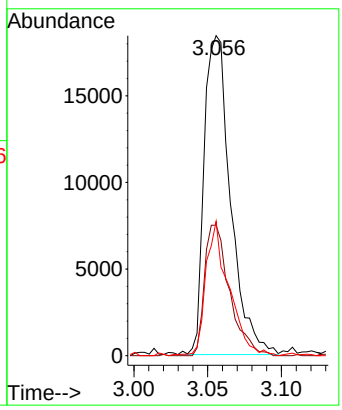


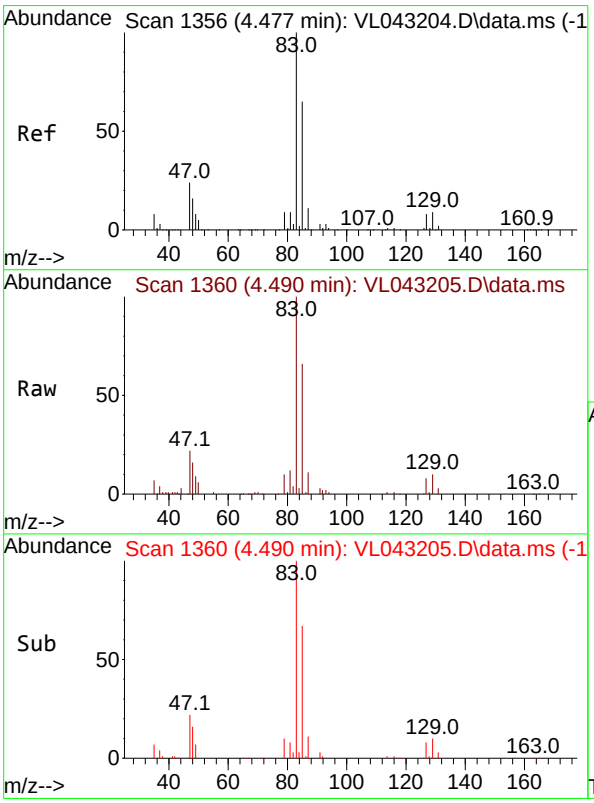
#41
Tetrahydrofuran
Concen: 2.065 ppbv
RT: 3.056 min Scan# 9
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 42 Resp: 22912

Ion	Ratio	Lower	Upper
42	100		
72	38.8	30.6	46.0
71	37.9	30.5	45.7

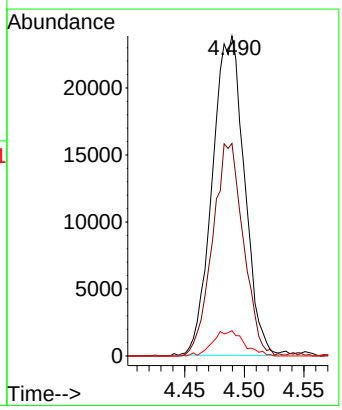


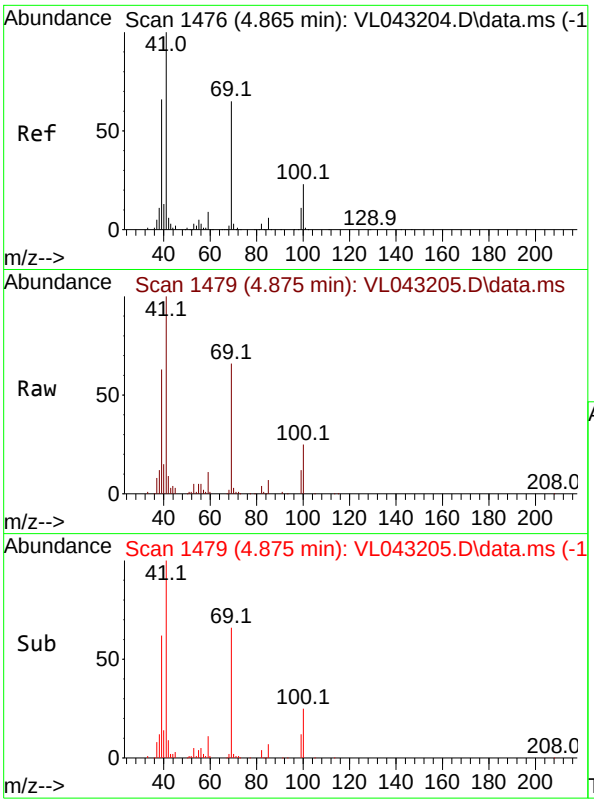


#42
Bromodichloromethane
Concen: 2.027 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 83 Resp: 44584

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.7	77.5
127	7.9	6.3	9.5



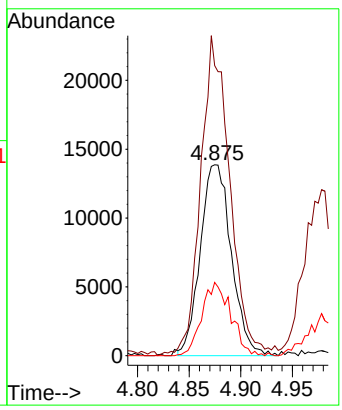


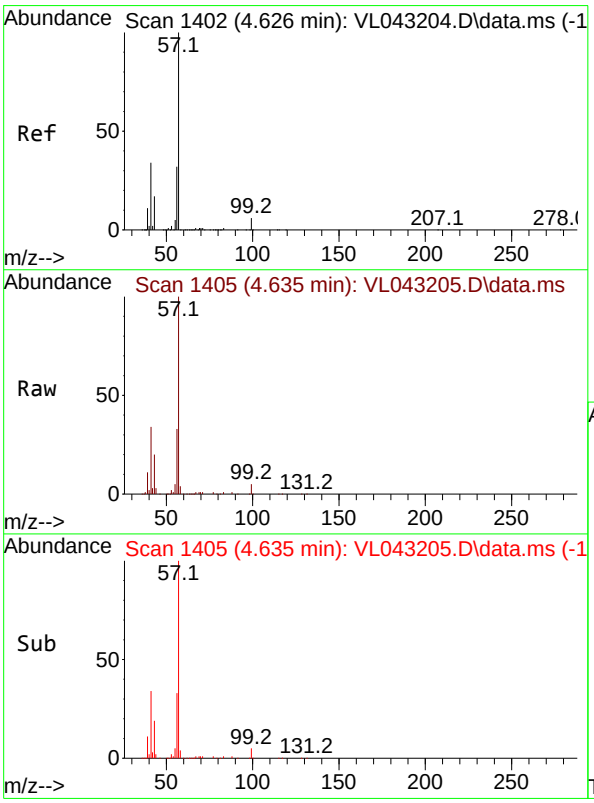
#43
Methyl Methacrylate
Concen: 2.009 ppbv
RT: 4.875 min Scan# 14
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 29071

Ion	Ratio	Lower	Upper
69	100		
41	157.2	126.7	190.1
100	36.0	28.6	43.0

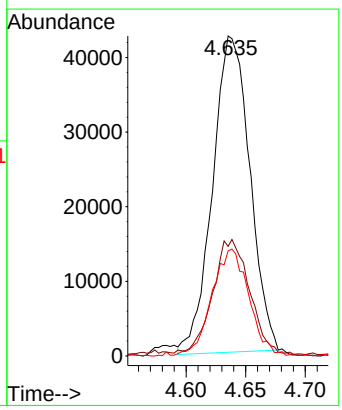


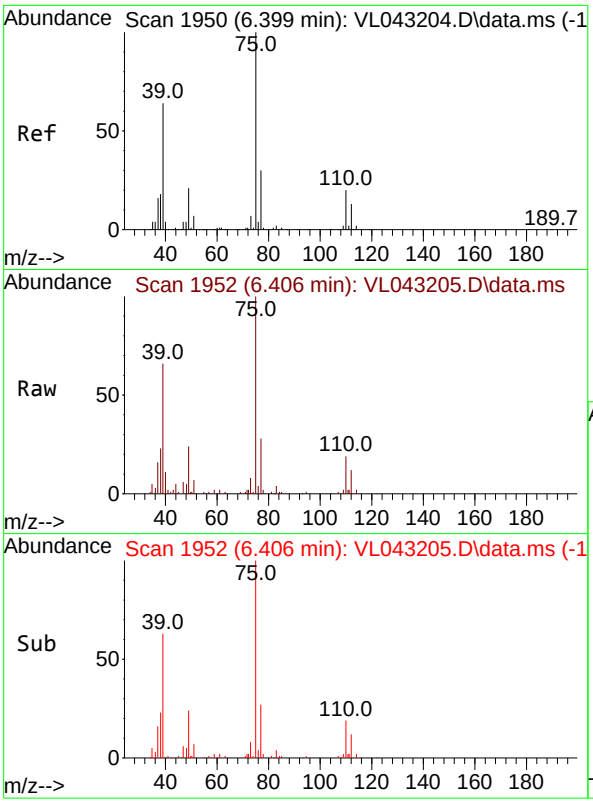


#44
2,2,4-Trimethylpentane
Concen: 1.971 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 57 Resp: 92261

Ion	Ratio	Lower	Upper
57	100		
41	37.8	28.0	42.0
56	33.9	25.6	38.4



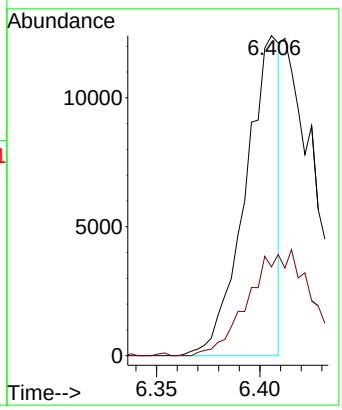


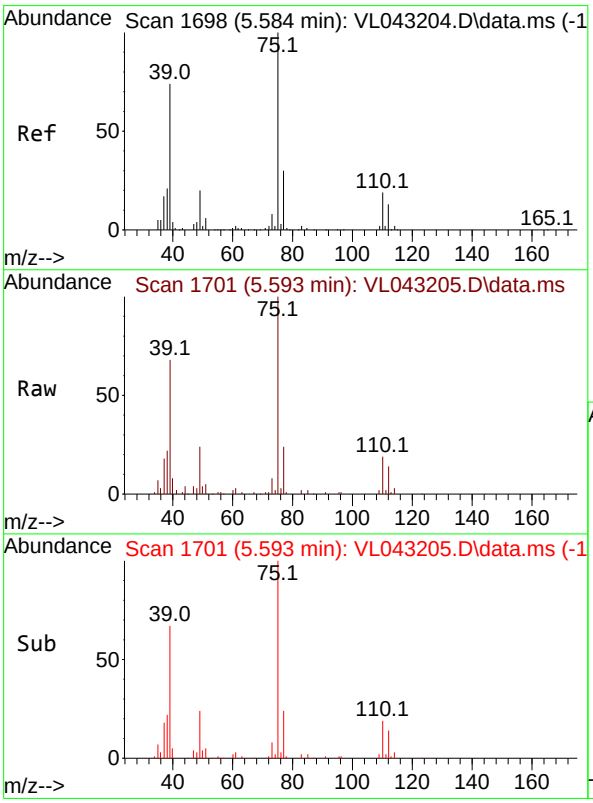
#45
t-1,3-Dichloropropene
Concen: 1.063 ppbv
RT: 6.406 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 14338

Ion	Ratio	Lower	Upper
75	100		
77	27.8	24.3	36.5

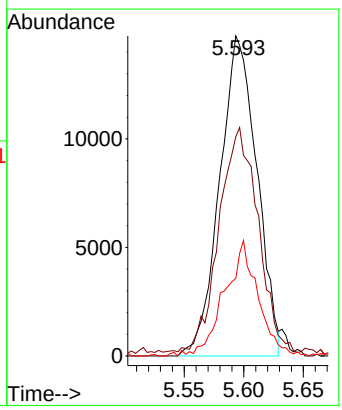


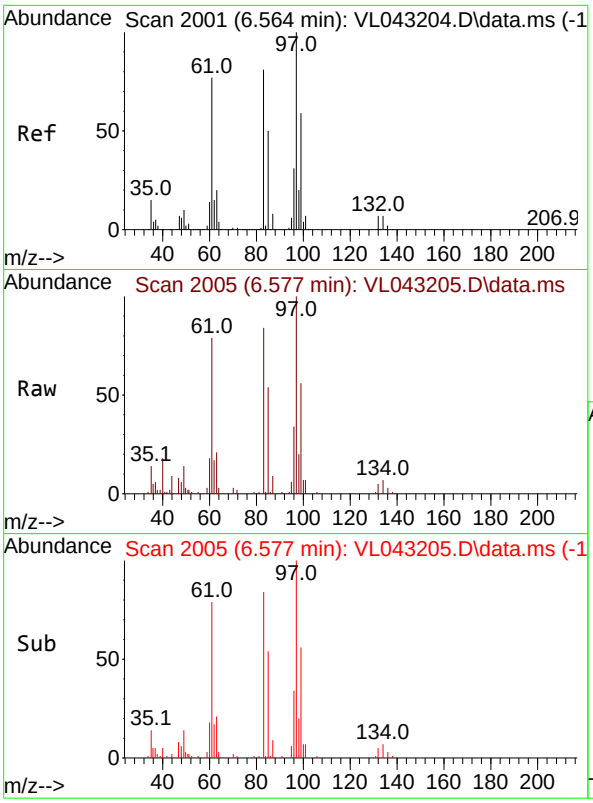


#46
cis-1,3-Dichloropropene
Concen: 2.020 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 75 Resp: 31986

Ion	Ratio	Lower	Upper
75	100		
39	67.2	59.1	88.7
77	24.2	24.2	36.2



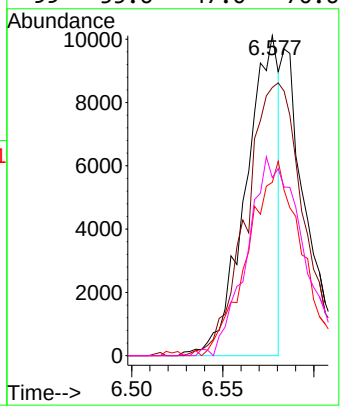


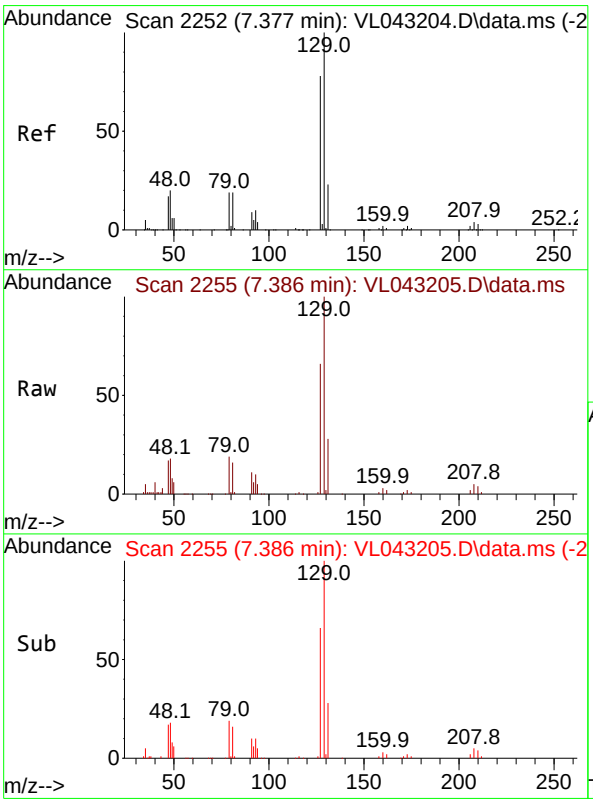
#47
1,1,2-Trichloroethane
Concen: 1.201 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 12775

Ion	Ratio	Lower	Upper
97	100		
83	83.8	64.6	97.0
85	52.8	39.4	59.2
99	55.6	47.0	70.6

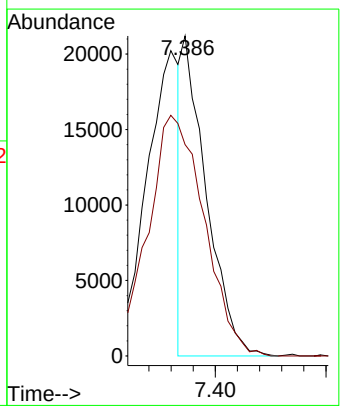


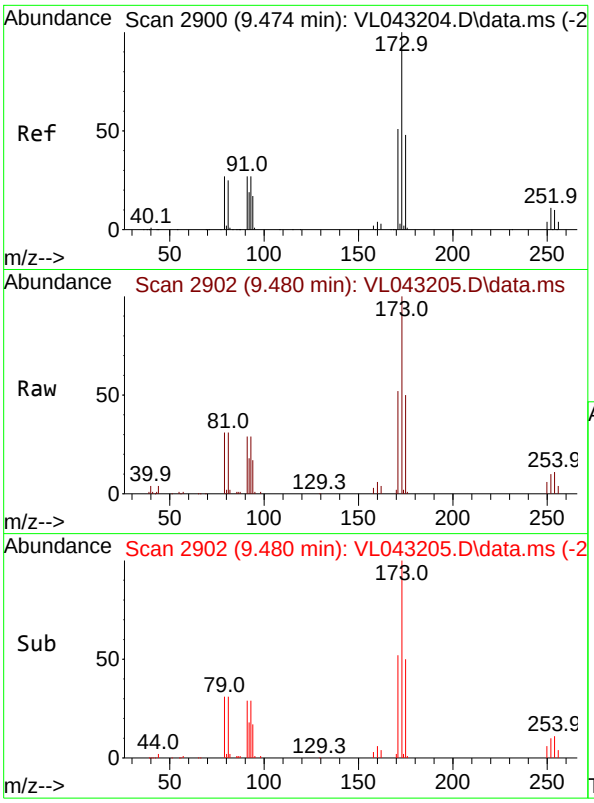


#48
Dibromochloromethane
Concen: 0.887 ppbv
RT: 7.386 min Scan# 2255
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:129 Resp: 16152

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.3	117.9#



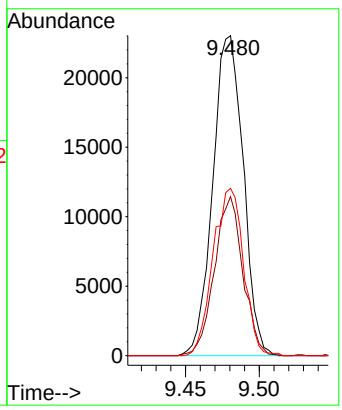


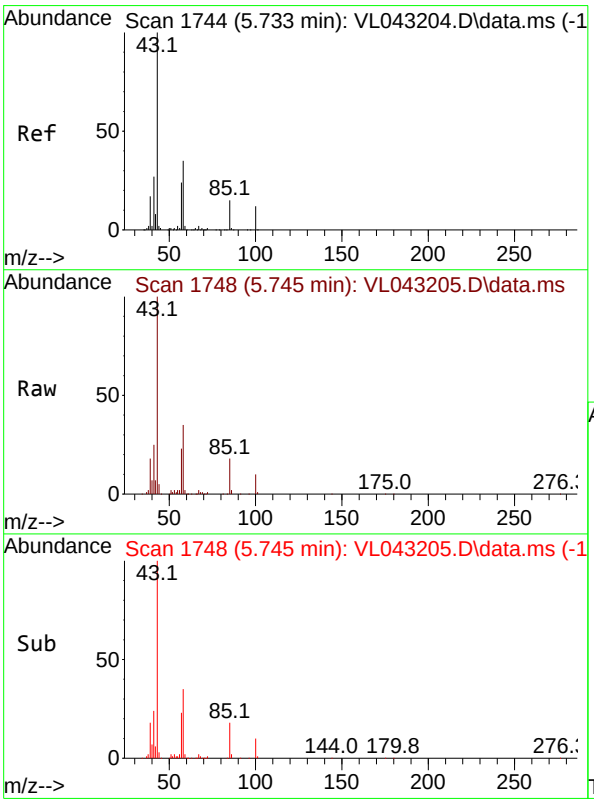
#49
Bromoform
Concen: 2.050 ppbv
RT: 9.480 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 33057

Ion	Ratio	Lower	Upper
173	100		
175	46.6	38.6	58.0
171	52.4	40.6	61.0

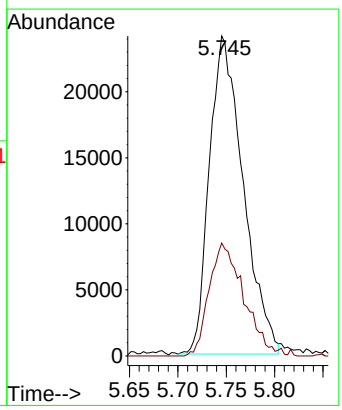


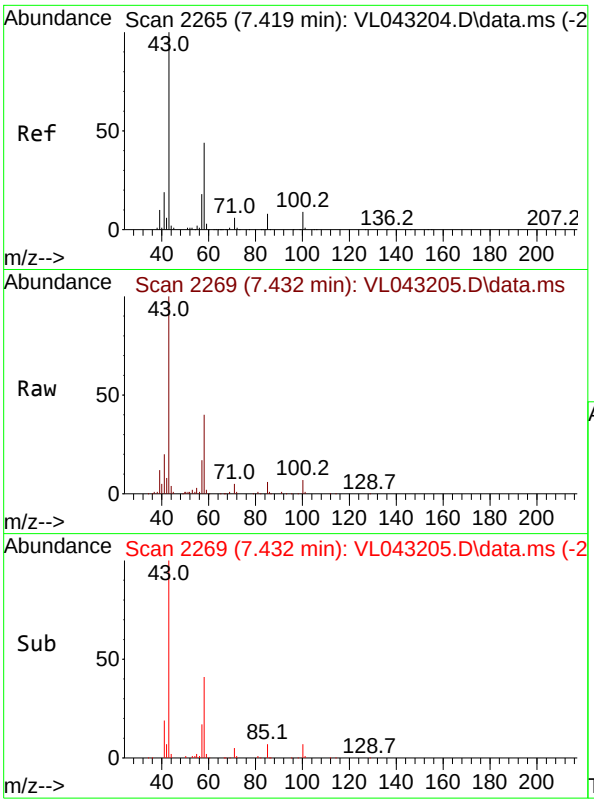


#50
4-Methyl-2-Pentanone
Concen: 2.066 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 43 Resp: 58461

Ion	Ratio	Lower	Upper
43	100		
58	36.7	28.4	42.6



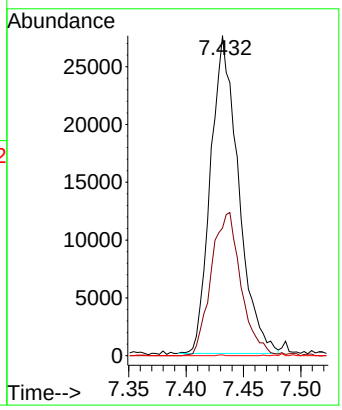


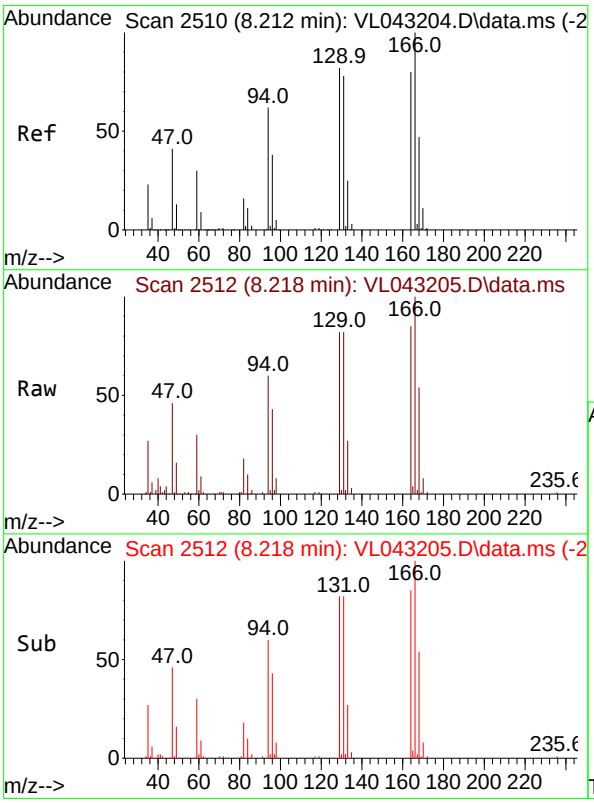
#51
2-Hexanone
Concen: 2.113 ppbv
RT: 7.432 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 46444

Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.4	57.6
98	0.2	0.0	0.0#

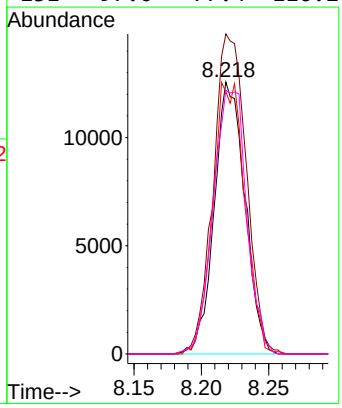


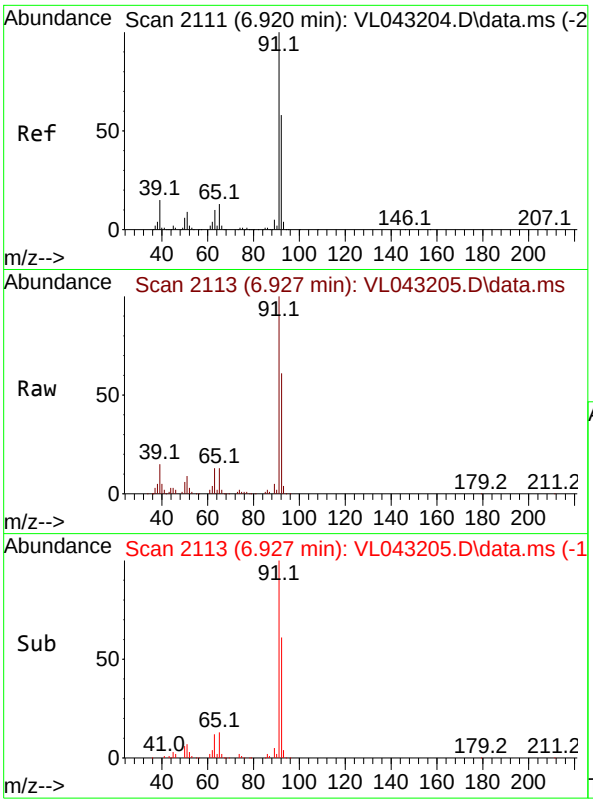


#52
Tetrachloroethene
Concen: 1.958 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:164 Resp: 19856

Ion	Ratio	Lower	Upper
164	100		
166	117.2	99.4	149.2
129	96.5	81.8	122.8
131	97.0	77.4	116.2



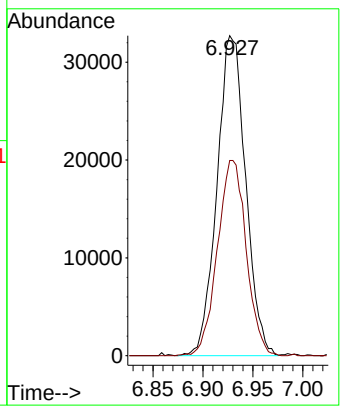


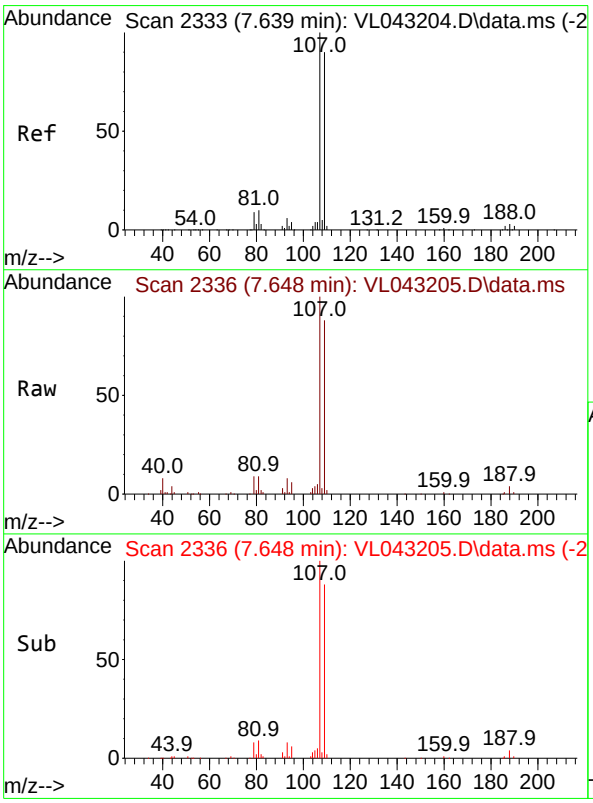
#53
Toluene
Concen: 2.008 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 65238

Ion	Ratio	Lower	Upper
91	100		
92	61.5	47.4	71.0

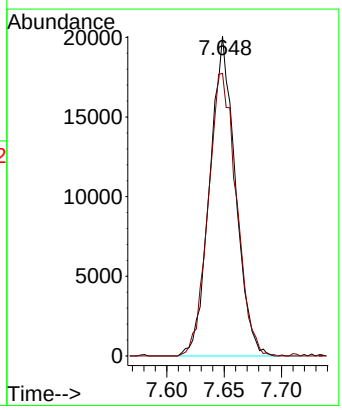


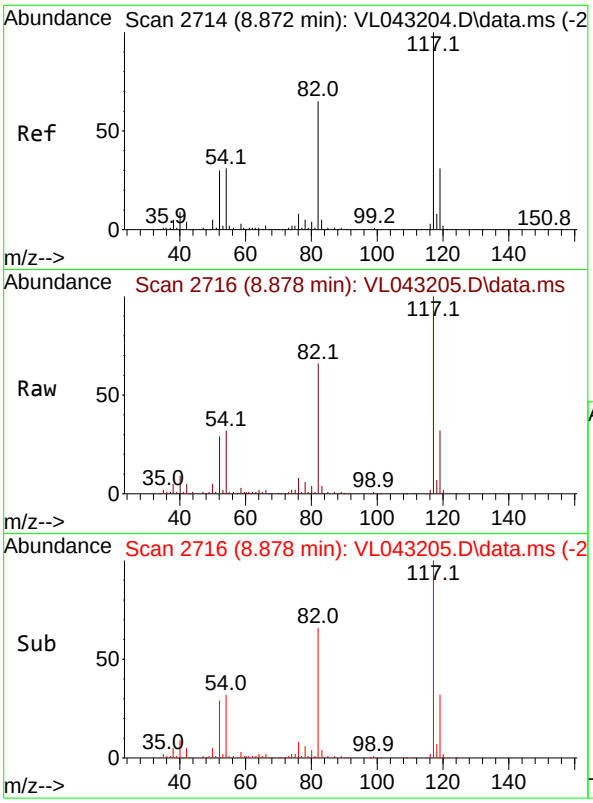


#54
1,2-Dibromoethane
Concen: 2.007 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:107 Resp: 31266

Ion	Ratio	Lower	Upper
107	100		
109	88.3	72.1	108.1



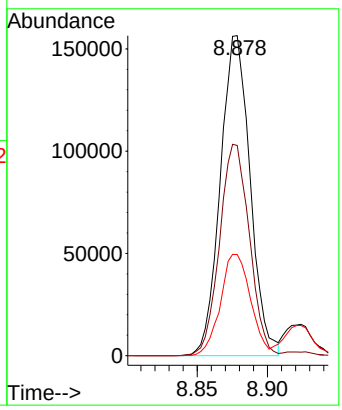


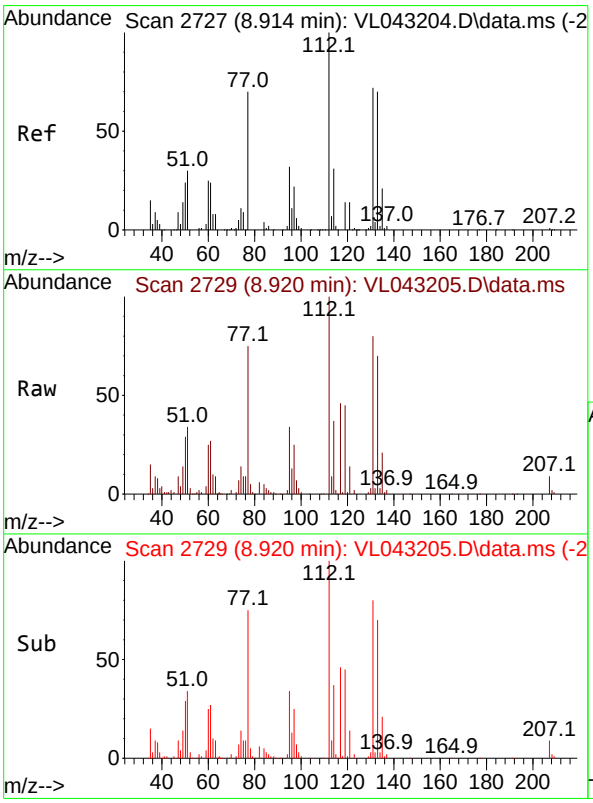
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 230646

Ion	Ratio	Lower	Upper
117	100		
82	67.2	56.1	84.1
119	32.0	25.0	37.6

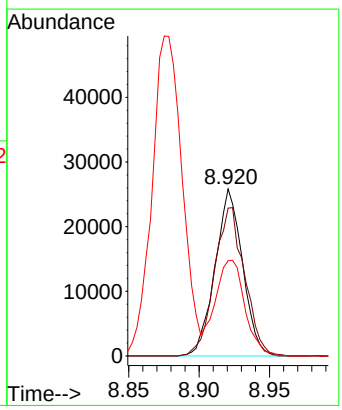


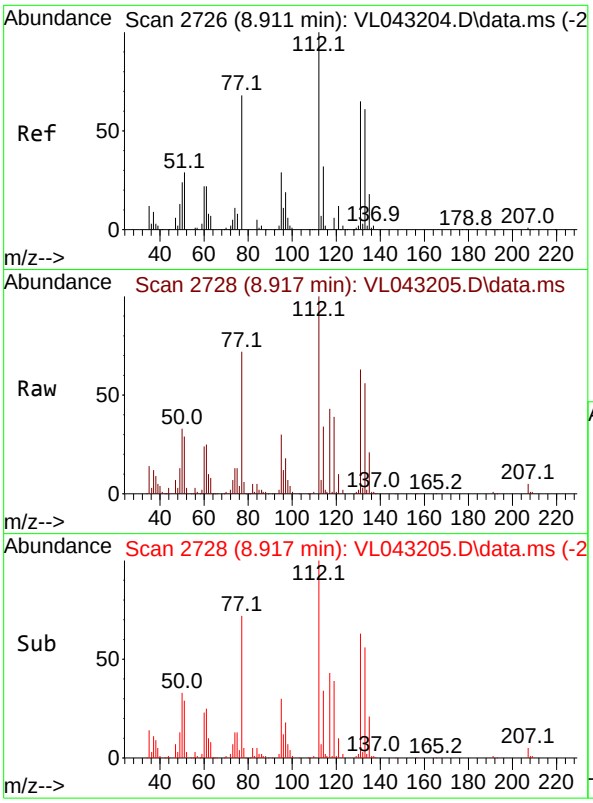


#56
1,1,1,2-Tetrachloroethane
Concen: 2.071 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:131 Resp: 35099

Ion	Ratio	Lower	Upper
131	100		
133	97.4	77.4	116.2
119	60.1	49.1	73.7



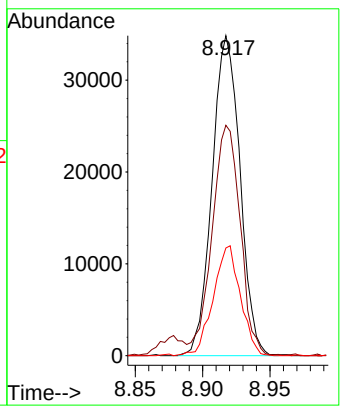


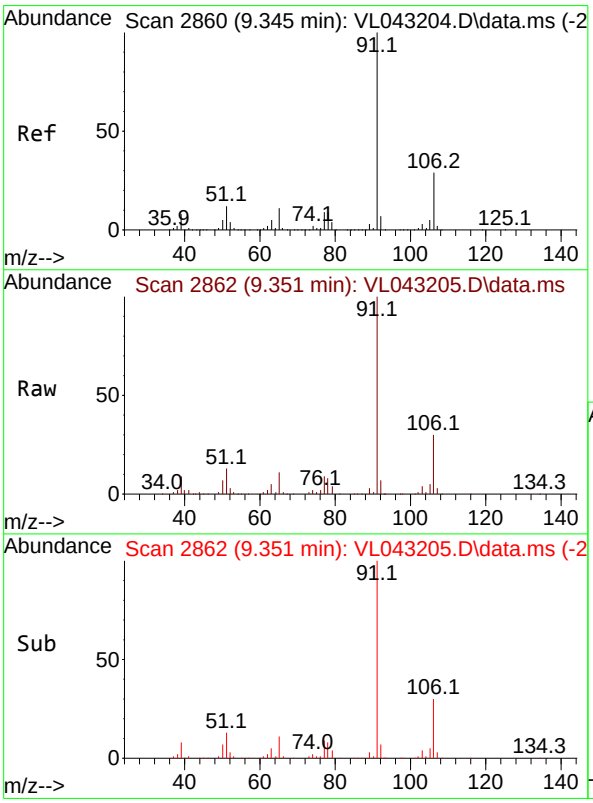
#57
Chlorobenzene
Concen: 2.121 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 50228

Ion	Ratio	Lower	Upper
112	100		
77	71.6	55.5	83.3
114	33.6	29.1	35.5

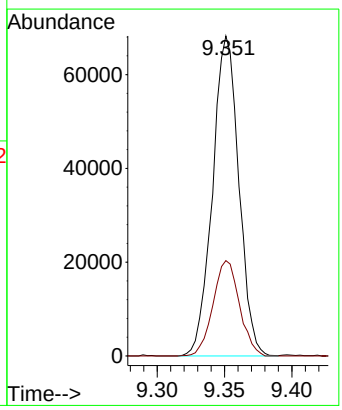


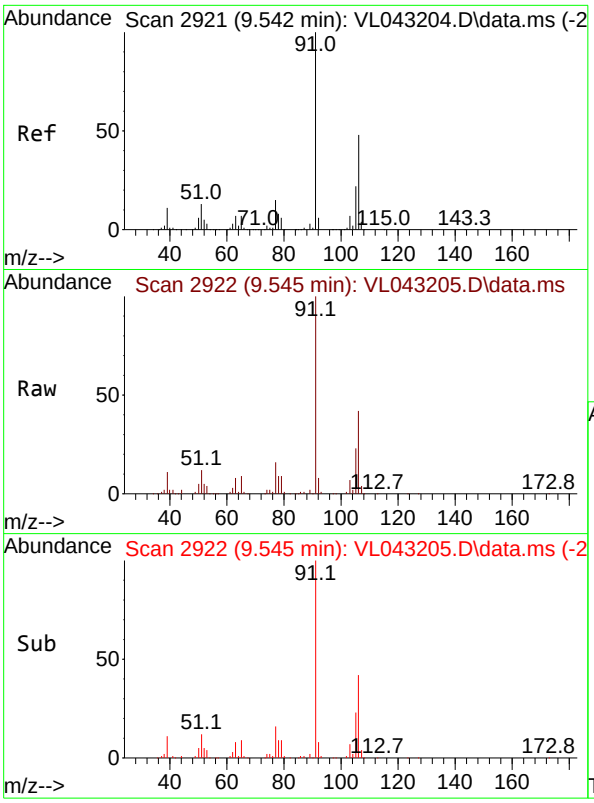


#58
Ethyl Benzene
Concen: 2.087 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 92649

Ion	Ratio	Lower	Upper
91	100		
106	29.8	22.8	34.2



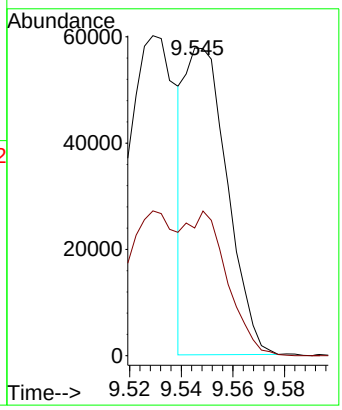


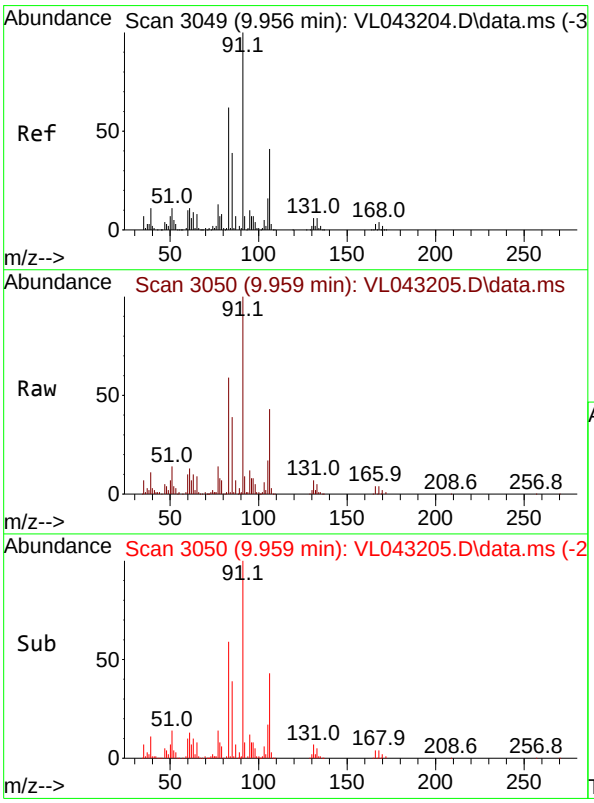
#59
m/p-Xylene
Concen: 1.838 ppbv
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 65660

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

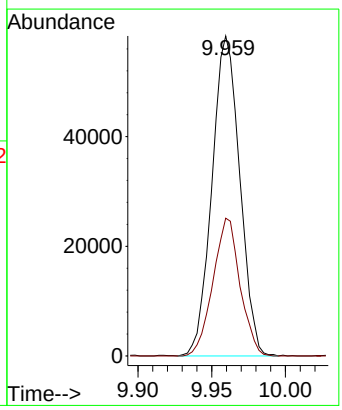


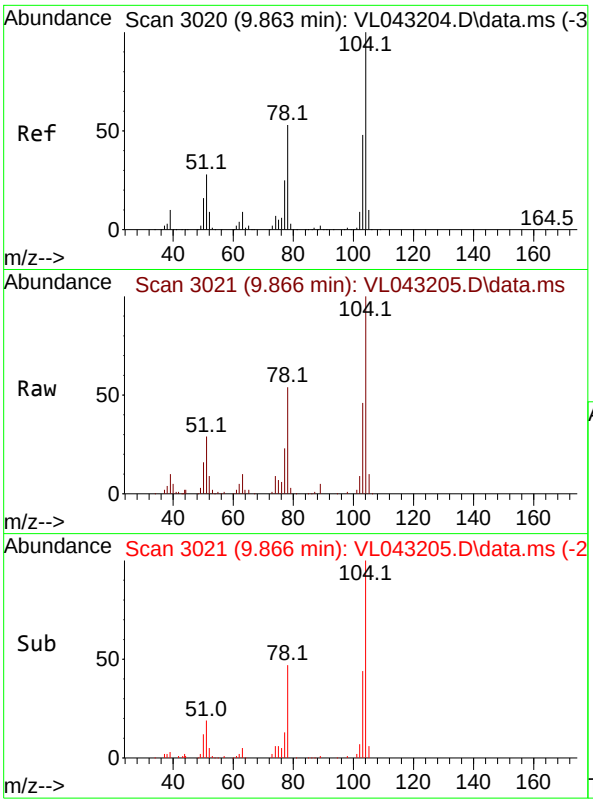


#60
o-Xylene
Concen: 2.153 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 76540

Ion	Ratio	Lower	Upper
91	100		
106	41.9	20.9	62.8



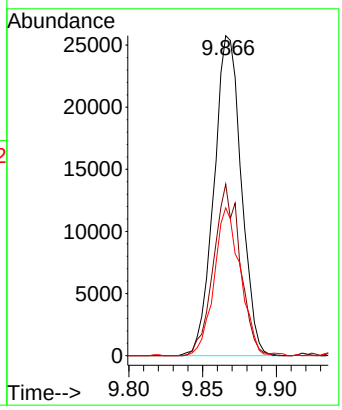


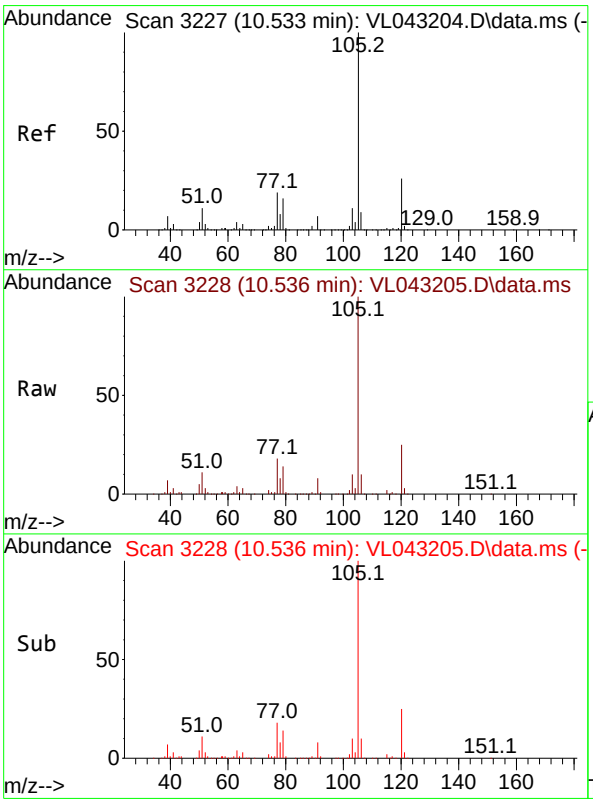
#61
Styrene
Concen: 2.133 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 33188

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.1	63.1
103	44.9	37.2	55.8

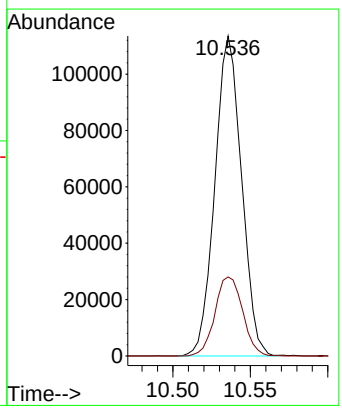


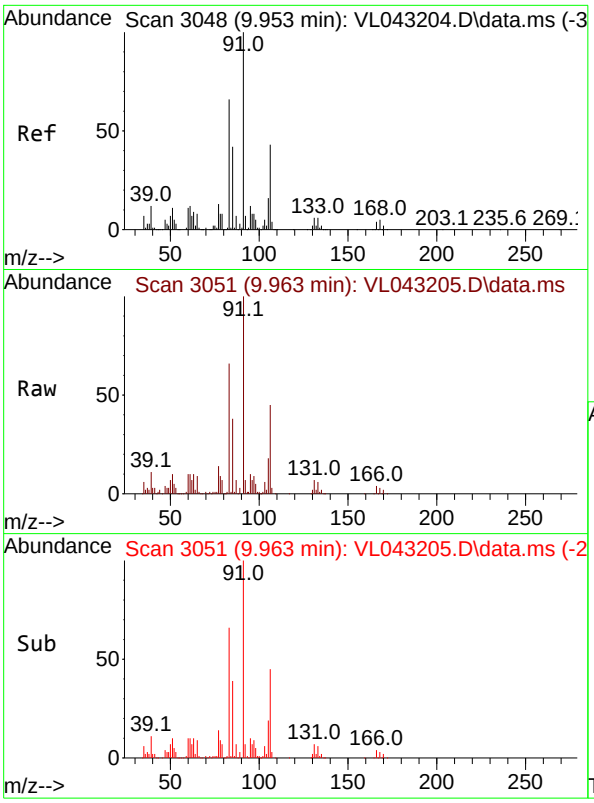


#62
Isopropylbenzene
Concen: 2.136 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 135853

Ion	Ratio	Lower	Upper
105	100		
120	25.6	19.8	29.8



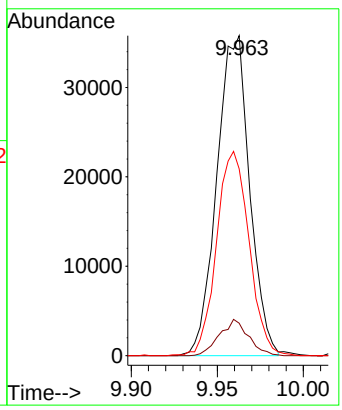


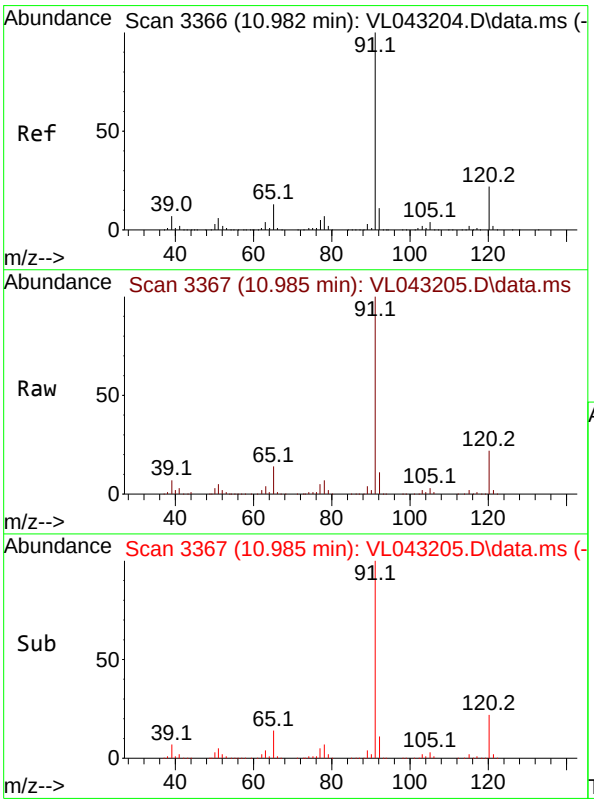
#63
1,1,2,2-Tetrachloroethane
Concen: 2.102 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 47439

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	63.4	31.9	95.9

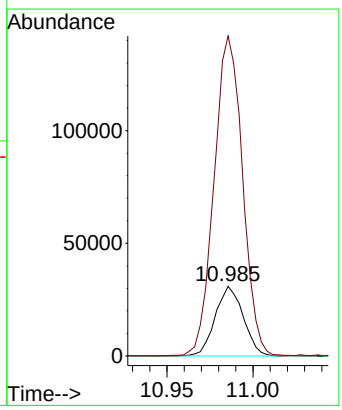


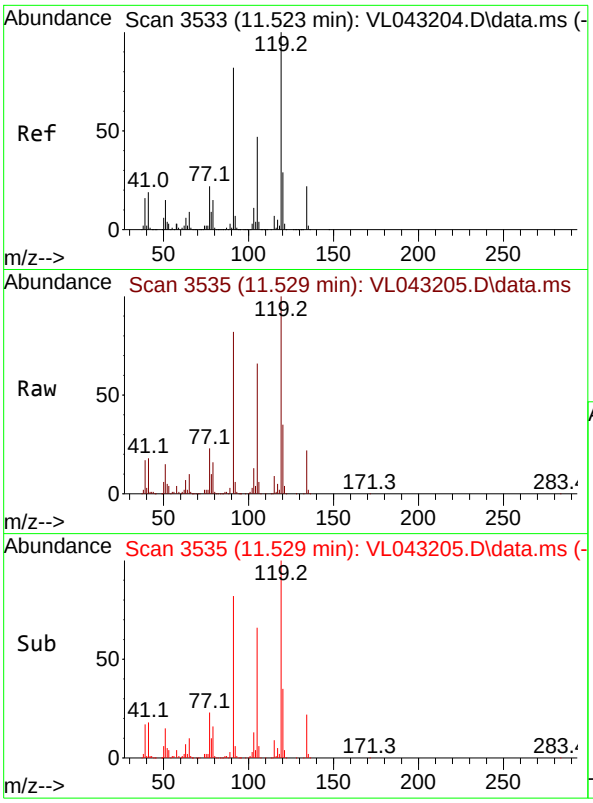


#64
n-propylbenzene
Concen: 2.136 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:120 Resp: 34915

Ion	Ratio	Lower	Upper
120	100		
91	467.6	377.1	565.7



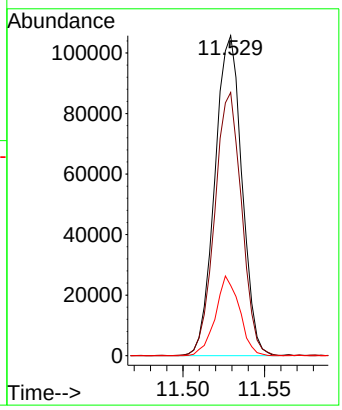


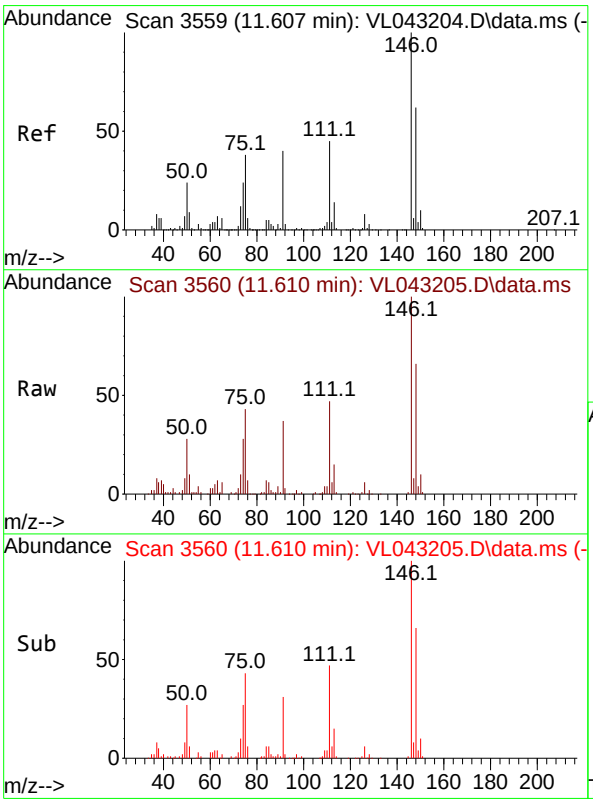
#65
tert-Butylbenzene
Concen: 2.149 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 122064

Ion	Ratio	Lower	Upper
119	100		
91	82.0	65.3	97.9
134	22.1	17.0	25.4

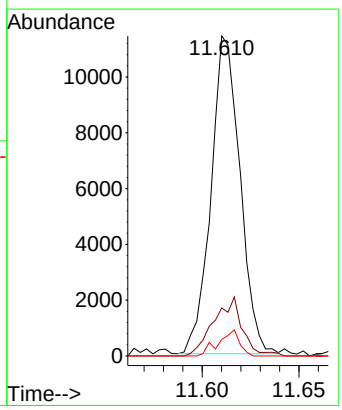


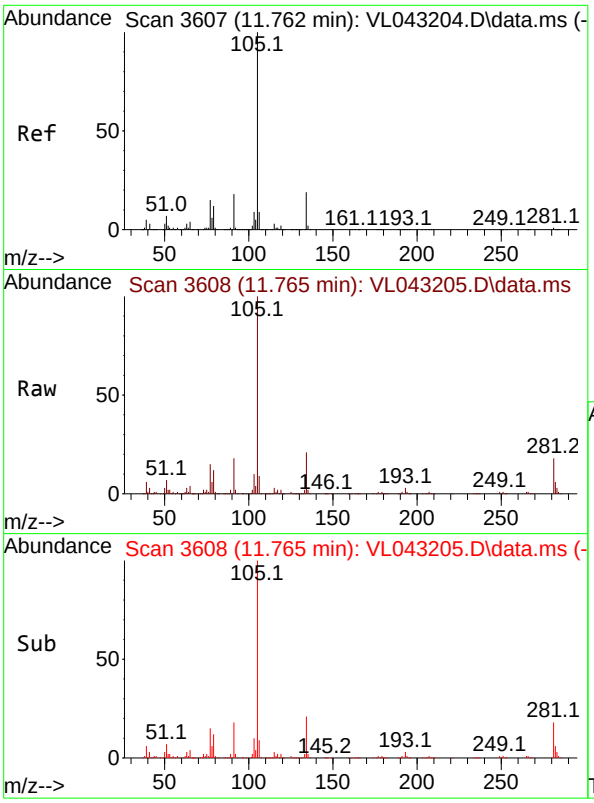


#66
Benzyl Chloride
Concen: 2.059 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 11870

Ion	Ratio	Lower	Upper
91	100		
126	18.3	14.4	21.6
128	5.9	4.6	6.8



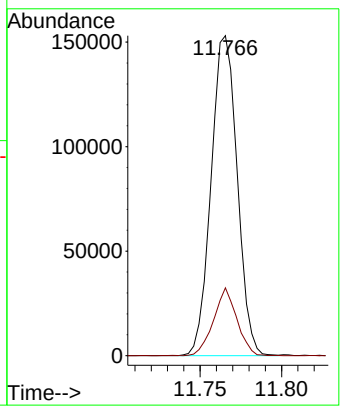


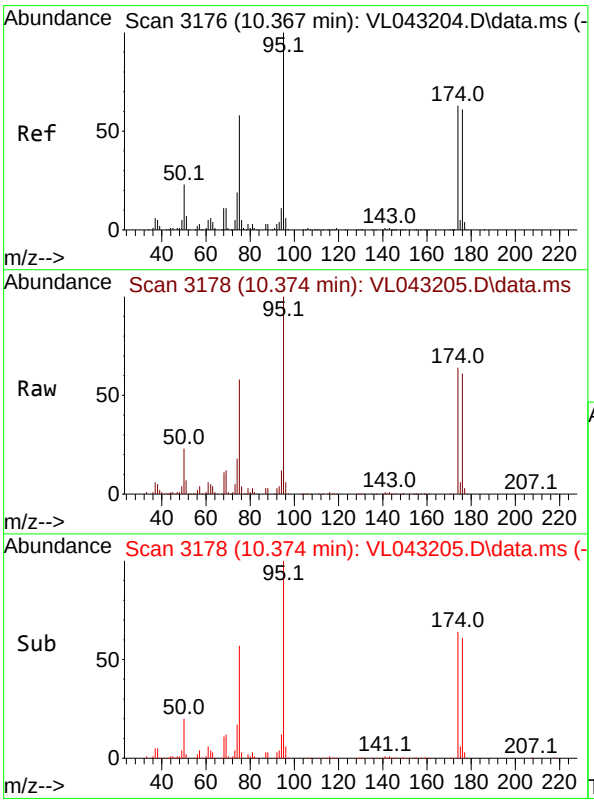
#67
sec-Butylbenzene
Concen: 2.151 ppbv
RT: 11.765 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 170529

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.0	22.6

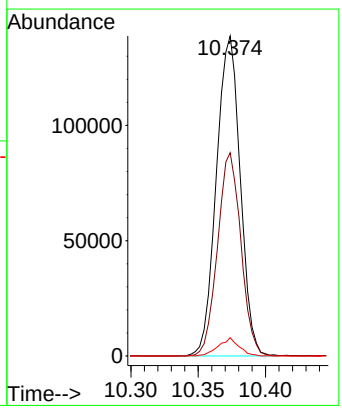


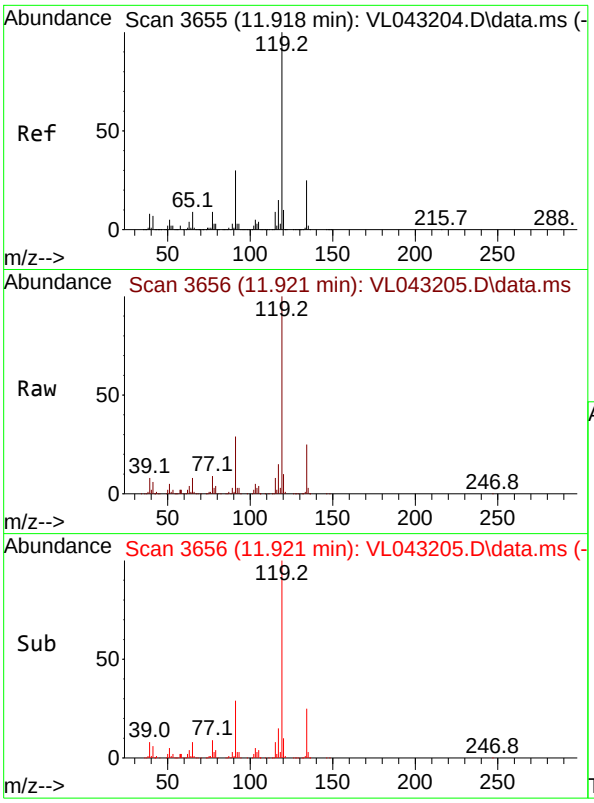


#68
1-Bromo-4-Fluorobenzene
Concen: 10.115 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 95 Resp: 171009

Ion	Ratio	Lower	Upper
95	100		
174	62.1	50.2	75.2
175	4.9	4.1	6.1



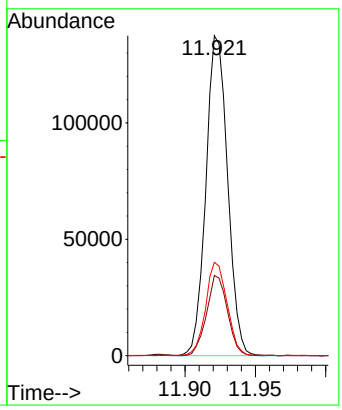


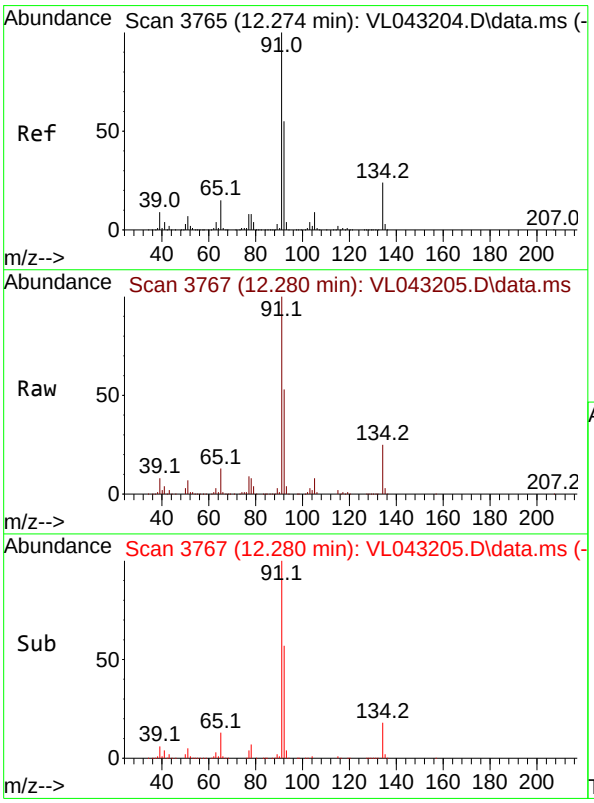
#69
p-Isopropyltoluene
Concen: 2.195 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 147482

Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.2	30.2
91	29.1	23.8	35.8

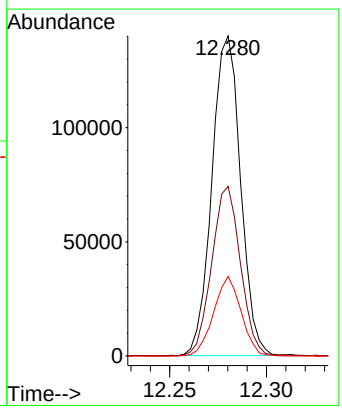


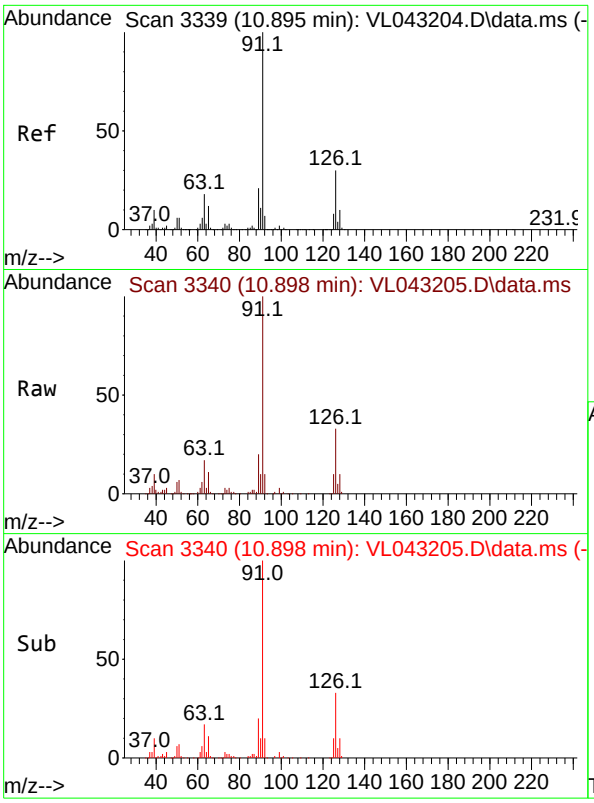


#70
n-Butylbenzene
Concen: 2.212 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion: 91 Resp: 144148

Ion	Ratio	Lower	Upper
91	100		
92	53.3	43.5	65.3
134	23.8	19.0	28.6



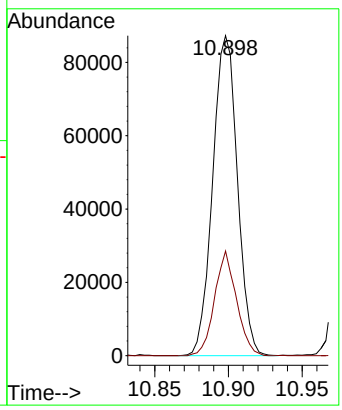


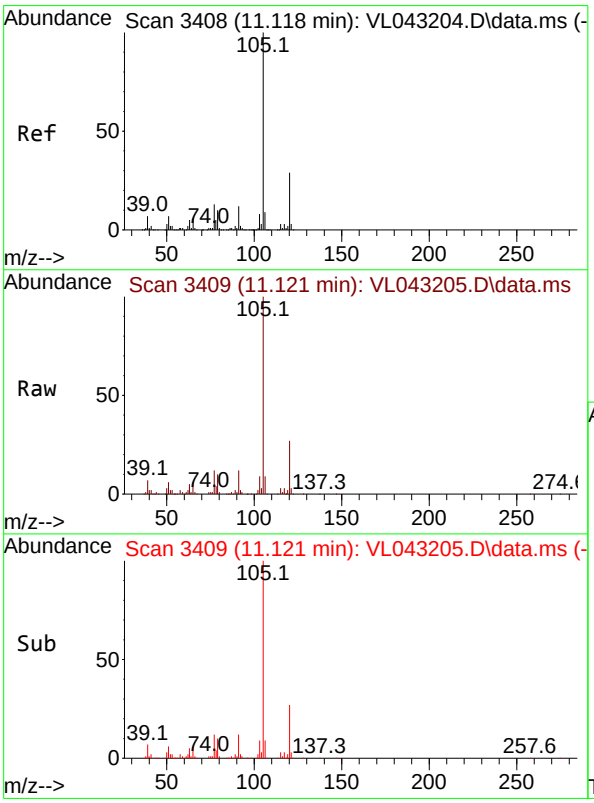
#71
2-Chlorotoluene
Concen: 2.085 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 101951

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.7	46.7

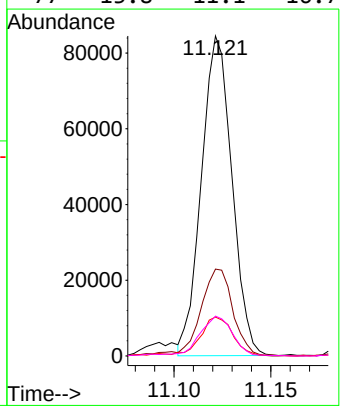


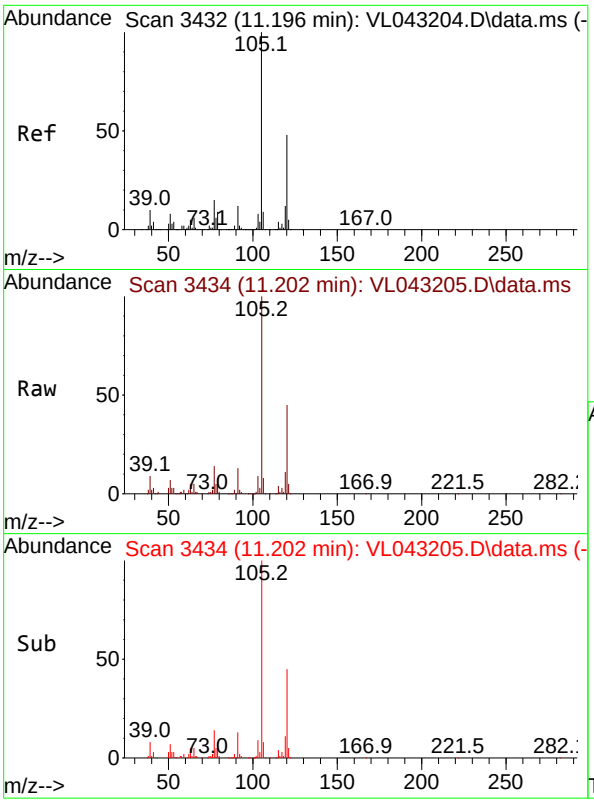


#72
4-Ethyltoluene
Concen: 2.140 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 92654

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.8	35.8
91	13.7	10.3	15.5
77	13.8	11.1	16.7



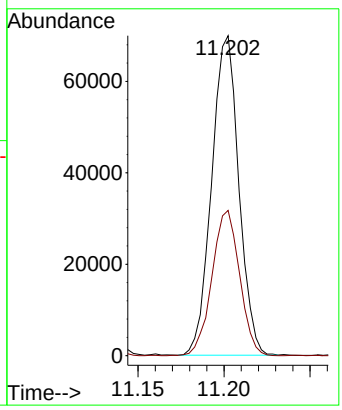


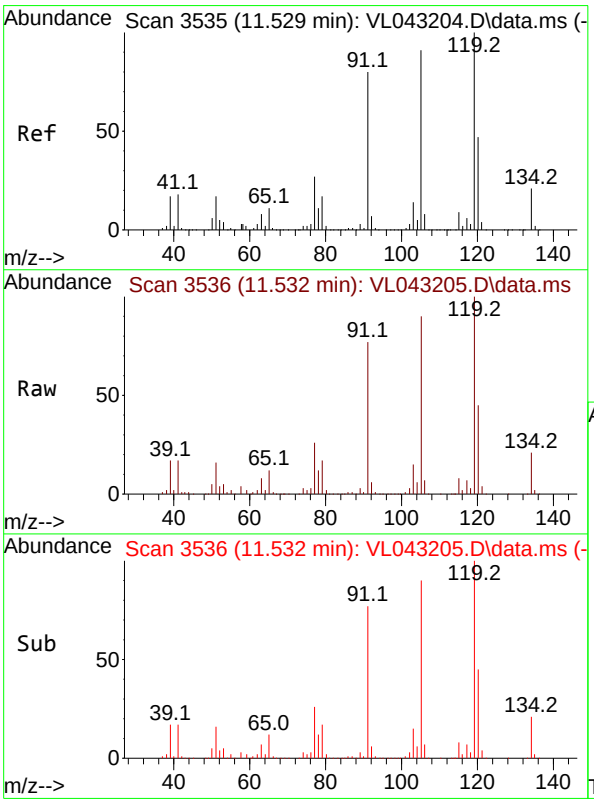
#73
1,3,5-Trimethylbenzene
Concen: 2.110 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 76655

Ion	Ratio	Lower	Upper
105	100		
120	45.5	38.6	57.8

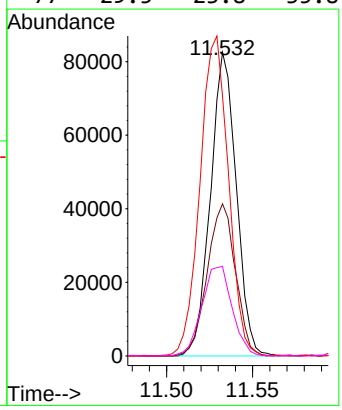


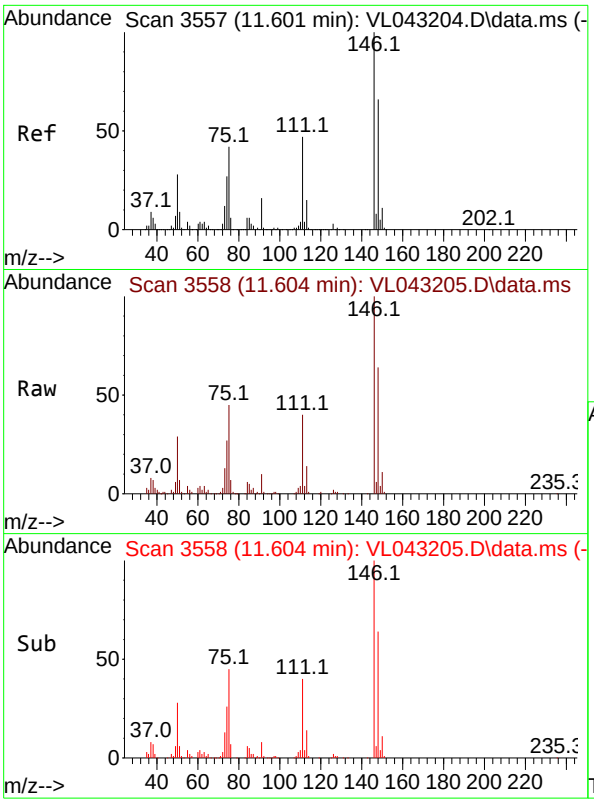


#74
1,2,4-Trimethylbenzene
Concen: 2.176 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:105 Resp: 86286

Ion	Ratio	Lower	Upper
105	100		
120	50.0	41.7	62.5
91	85.2	70.0	105.0
77	29.5	23.8	35.8



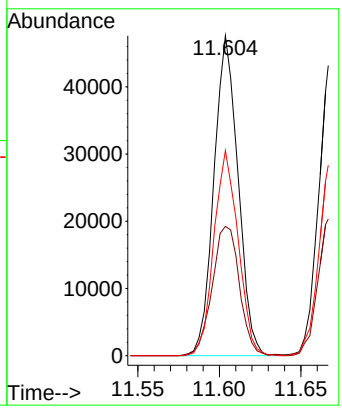


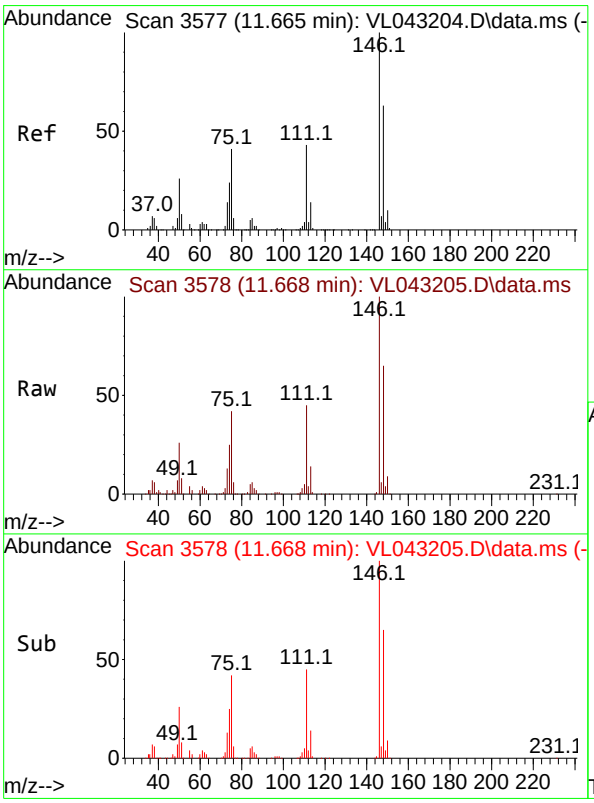
#75
1,3-Dichlorobenzene
Concen: 2.116 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 48961

Ion	Ratio	Lower	Upper
146	100		
111	45.7	23.4	70.3
148	64.6	31.6	95.0

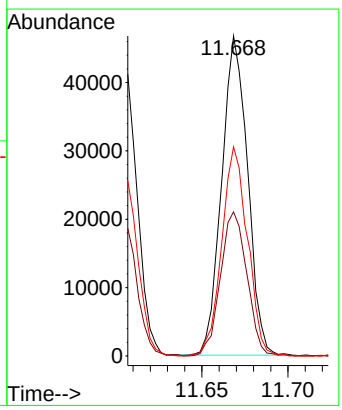


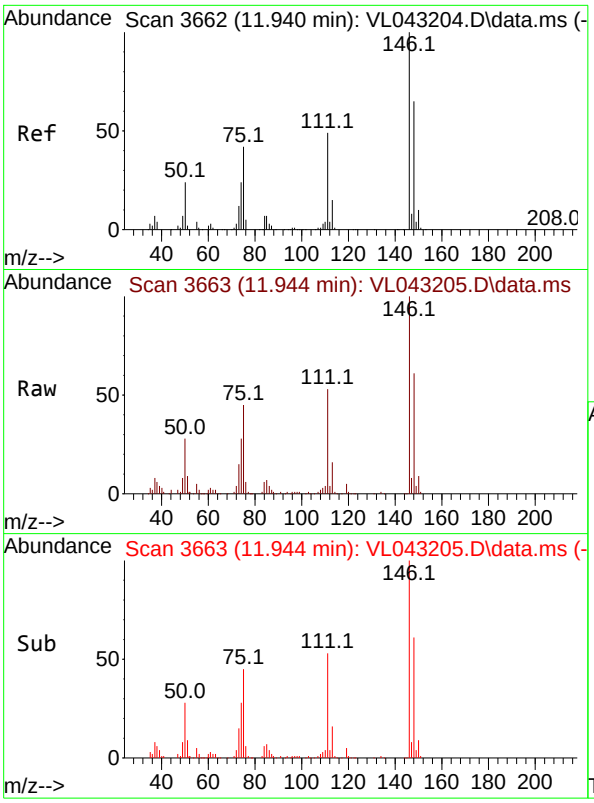


#76
1,4-Dichlorobenzene
Concen: 2.112 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:146 Resp: 48881

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.8	68.3
148	65.3	31.8	95.4



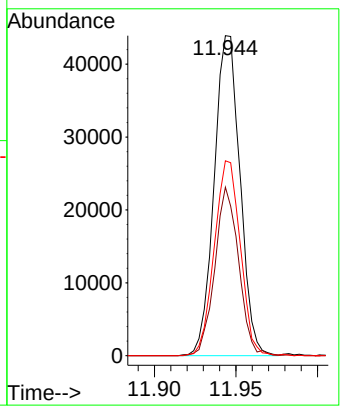


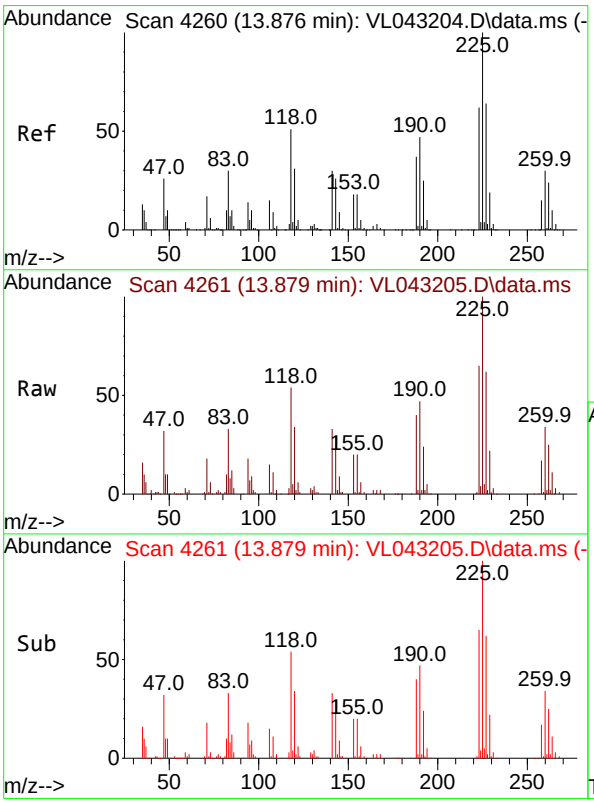
#77
1,2-Dichlorobenzene
Concen: 2.177 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 48431

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.3	73.0
148	61.3	31.6	94.7

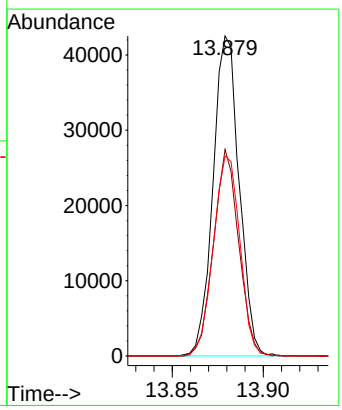


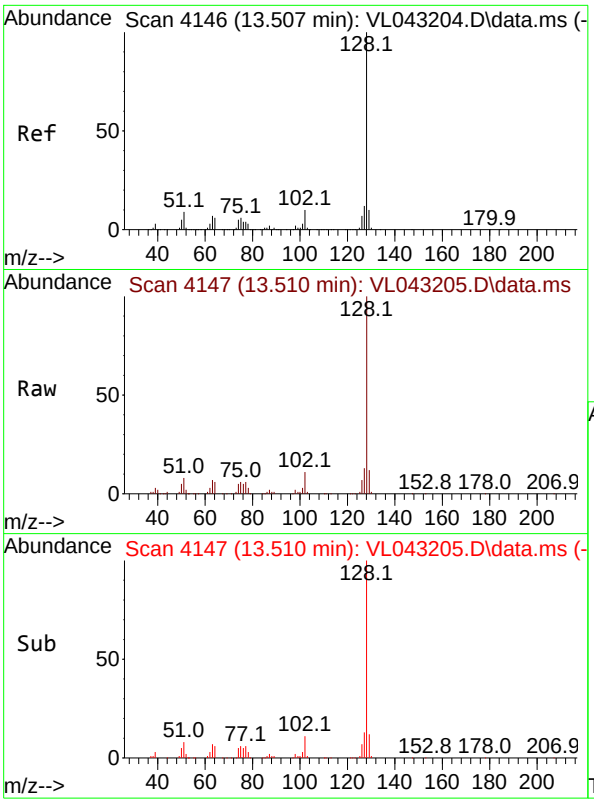


#78
Hexachloro-1,3-Butadiene
Concen: 2.287 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:225 Resp: 42456

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.4
227	63.4	51.1	76.7



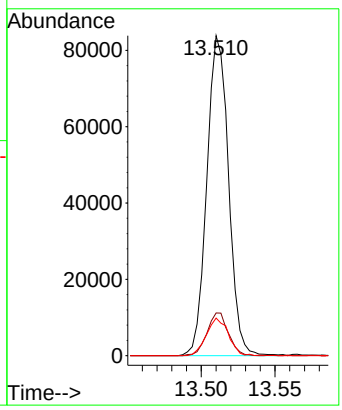


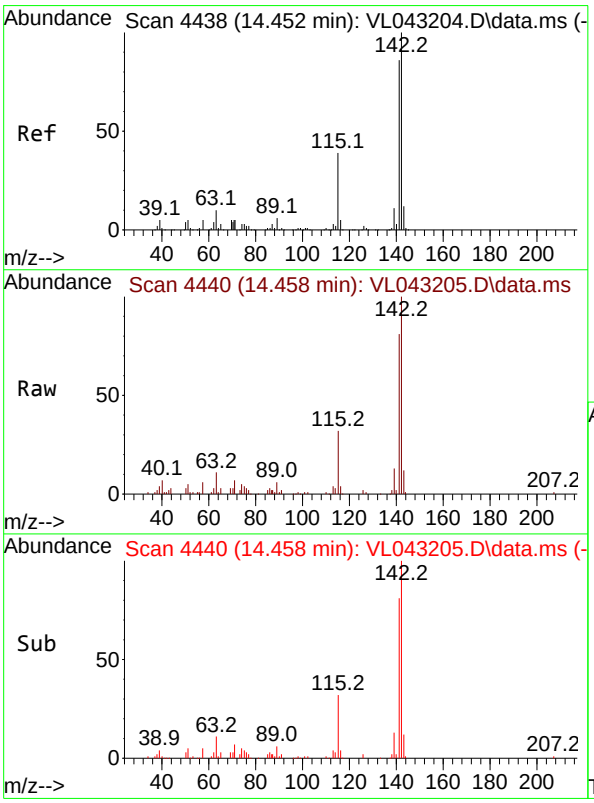
#79
Naphthalene
Concen: 2.436 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 85788

Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.9	14.9
129	11.7	8.4	12.6

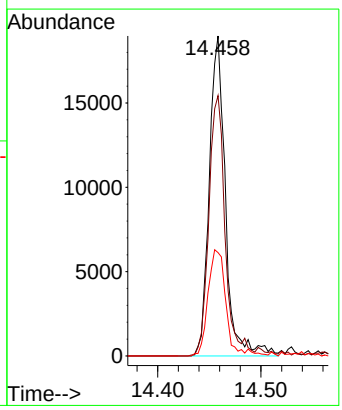


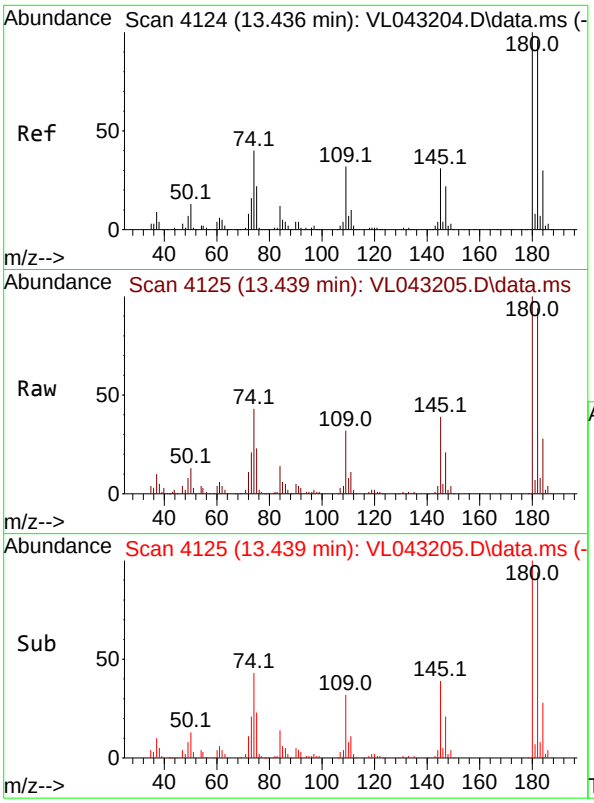


#80
Naphthalene,2-methyl-
Concen: 2.237 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.006 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Tgt Ion:142 Resp: 20685

Ion	Ratio	Lower	Upper
142	100		
141	82.9	67.1	100.7
115	36.9	31.9	47.9



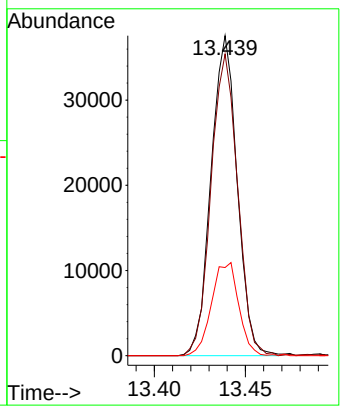


#81
1,2,4-Trichlorobenzene
Concen: 2.382 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043205.D
Acq: 18 Nov 2025 10:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 37521

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
184	30.4	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043206.D
Acq On : 18 Nov 2025 11:10
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Nov 19 00:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	102795	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	278732	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	227998	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	167061	9.996	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	15474	1.067	ppbv	100
3) Chlorodifluoromethane	1.476	51	14437	1.013	ppbv #	92
4) Chloromethane	1.531	50	5751	1.061	ppbv	92
5) Vinyl Chloride	1.580	62	5967	1.007	ppbv	95
6) Bromomethane	1.667	94	3104	1.080	ppbv	94
7) Chloroethane	1.706	64	2550	1.104	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	12759	1.058	ppbv	98
9) Propene	1.483	41	6147	0.929	ppbv #	1
10) Heptane	4.972	43	18544	1.022	ppbv	100
11) Trichlorofluoromethane	1.877	101	15571	1.108	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	11743	1.071	ppbv	99
13) Ethanol	1.719	45	2373	1.115	ppbv	67
14) Bromoethene	1.780	108	4345	1.033	ppbv #	91
15) Acetone	1.835	43	16353	1.145	ppbv	90
16) 1,3-Butadiene	1.609	39	6469	1.016	ppbv	96
17) tert-Butyl alcohol	2.039	59	20703	1.104	ppbv #	92
18) 1,1-Dichloroethene	2.033	96	5447	1.067	ppbv	97
19) Isopropyl Alcohol	1.884	45	8849	1.097	ppbv #	43
20) Methylene Chloride	2.059	84	7297	1.030	ppbv	85
21) Allyl Chloride	2.094	41	9198	0.957	ppbv #	84
22) trans-1,2-Dichloroethene	2.340	96	6313	1.082	ppbv	94
23) Vinyl Acetate	2.460	43	16779	0.973	ppbv	98
24) 1,1-Dichloroethane	2.405	63	12062	1.071	ppbv	94
25) Ethyl Acetate	2.832	43	32108	1.041	ppbv	98
26) Hexane	2.819	57	14639	1.084	ppbv	99
27) Carbon Disulfide	2.149	76	14637	1.062	ppbv #	30
28) Methyl tert-Butyl Ether	2.441	73	7236	1.092	ppbv #	83
29) Chloroform	2.845	83	19509	1.016	ppbv	91
30) Cyclohexane	3.852	84	12269	1.084	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	13889	1.035	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	20745	1.005	ppbv	99
34) 2-Butanone	2.554	43	20940	1.064	ppbv	96
35) Carbon Tetrachloride	3.758	117	21497	1.016	ppbv	96
36) Benzene	3.648	78	27911	1.046	ppbv	99
37) 1,2-Dichloroethane	3.214	62	16159	1.035	ppbv	99
38) Trichloroethene	4.544	130	4331	0.414	ppbv	94
39) 1,2-Dichloropropane	4.311	63	10147	1.039	ppbv	91
40) 1,4-Dioxane	4.577	88	1369	0.312	ppbv #	1
41) Tetrahydrofuran	3.052	42	11176	1.029	ppbv	96
42) Bromodichloromethane	4.480	83	22150	1.028	ppbv #	98
43) Methyl Methacrylate	4.871	69	14821	1.046	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	30372	0.662	ppbv #	60
45) t-1,3-Dichloropropene	6.402	75	8750	0.663	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043206.D
Acq On : 18 Nov 2025 11:10
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Nov 19 00:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.590	75	15527	1.001	ppbv	#	95
47)	1,1,2-Trichloroethane	6.577	97	10369	0.995	ppbv	#	85
48)	Dibromochloromethane	7.377	129	18560	1.041	ppbv		93
49)	Bromoform	9.477	173	15858	1.004	ppbv		98
50)	4-Methyl-2-Pentanone	5.745	43	29560	1.067	ppbv		99
51)	2-Hexanone	7.428	43	22438	1.043	ppbv	#	98
52)	Tetrachloroethene	8.215	164	10080	1.015	ppbv		90
53)	Toluene	6.923	91	32951	1.036	ppbv		100
54)	1,2-Dibromoethane	7.645	107	15865	1.040	ppbv		97
56)	1,1,1,2-Tetrachloroethane	8.917	131	17535	1.046	ppbv		99
57)	Chlorobenzene	8.914	112	24806	1.060	ppbv		98
58)	Ethyl Benzene	9.344	91	46455	1.059	ppbv		96
59)	m/p-Xylene	9.545	91	32159	0.911	ppbv	#	31
60)	o-Xylene	9.956	91	37054	1.054	ppbv		97
61)	Styrene	9.866	104	15730	1.023	ppbv		95
62)	Isopropylbenzene	10.532	105	67163	1.068	ppbv		99
63)	1,1,2,2-Tetrachloroethane	9.956	83	23083	1.035	ppbv		97
64)	n-propylbenzene	10.985	120	17289	1.070	ppbv		100
65)	tert-Butylbenzene	11.526	119	61258	1.091	ppbv		99
66)	Benzyl Chloride	11.610	91	5729	1.005	ppbv		96
67)	sec-Butylbenzene	11.762	105	84989	1.084	ppbv		99
69)	p-Isopropyltoluene	11.921	119	69993	1.054	ppbv		99
70)	n-Butylbenzene	12.277	91	69323	1.076	ppbv		99
71)	2-Chlorotoluene	10.895	91	51452	1.065	ppbv		100
72)	4-Ethyltoluene	11.118	105	44403	1.037	ppbv		99
73)	1,3,5-Trimethylbenzene	11.199	105	38350	1.068	ppbv		91
74)	1,2,4-Trimethylbenzene	11.532	105	42051	1.073	ppbv	#	81
75)	1,3-Dichlorobenzene	11.600	146	24011	1.050	ppbv		98
76)	1,4-Dichlorobenzene	11.665	146	23543	1.029	ppbv		97
77)	1,2-Dichlorobenzene	11.940	146	24248	1.103	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.879	225	20489	1.116	ppbv		99
79)	Naphthalene	13.507	128	36462	1.047	ppbv		95
80)	Naphthalene,2-methyl-	14.455	142	7375	0.807	ppbv		95
81)	1,2,4-Trichlorobenzene	13.436	180	15785	1.014	ppbv		98

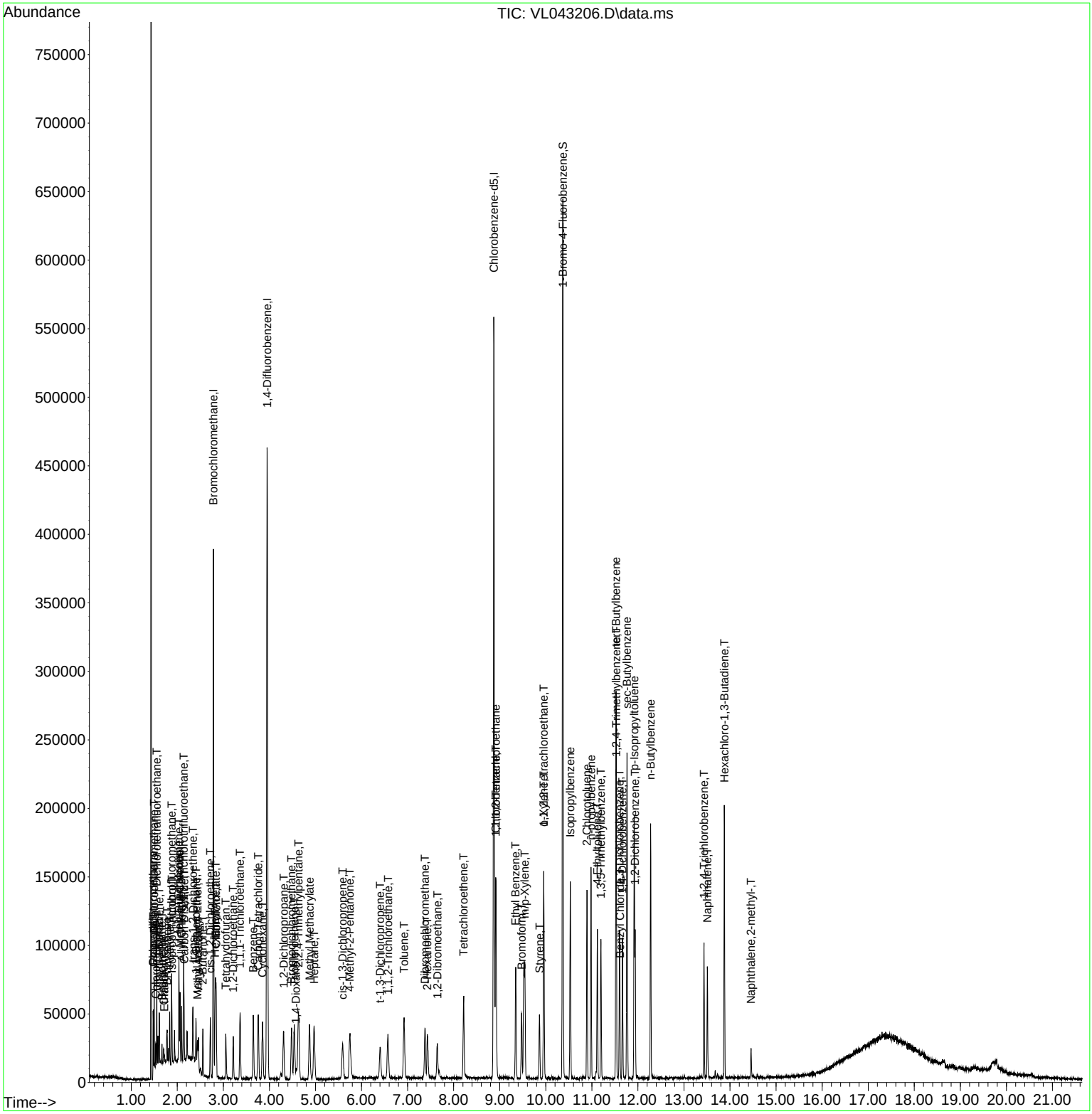
(#) = qualifier out of range (m) = manual integration (+) = signals summed

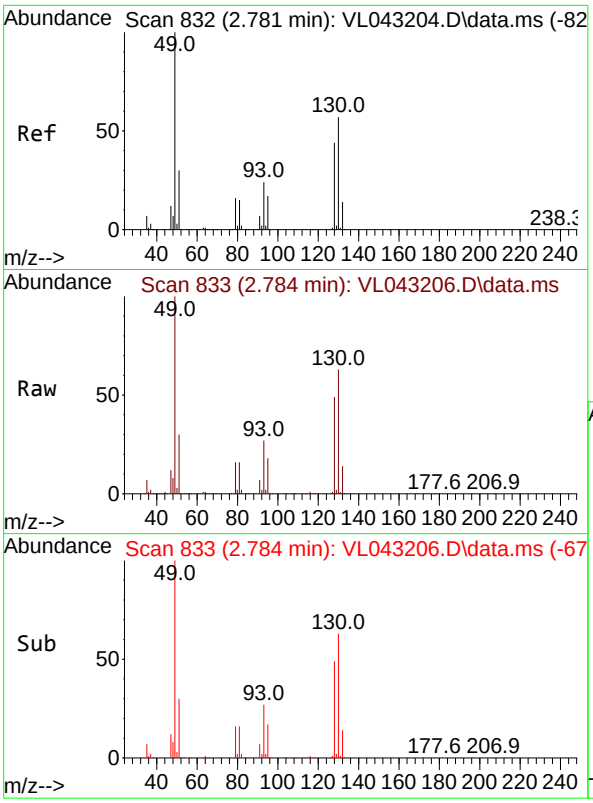
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043206.D
Acq On : 18 Nov 2025 11:10
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Nov 19 00:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



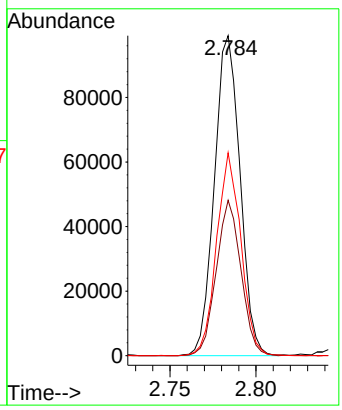


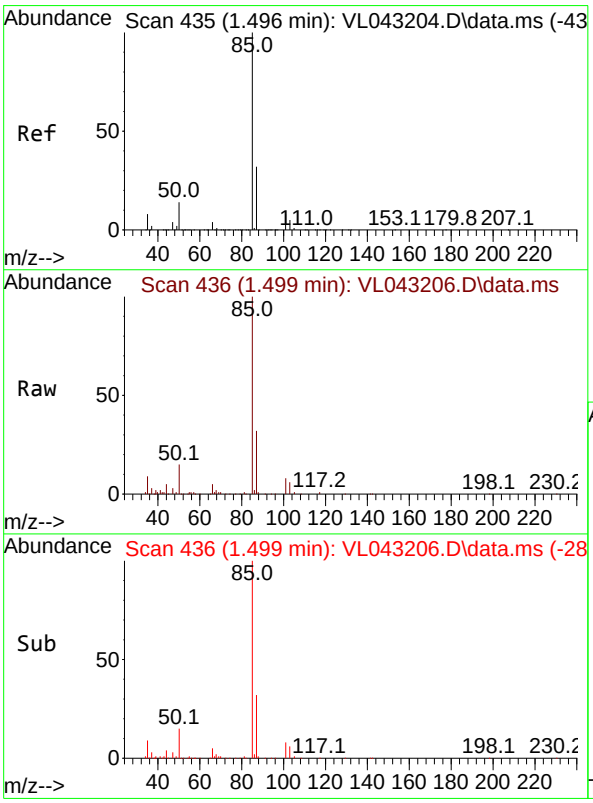
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 102795

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.0	69.0
130	60.1	29.9	89.7

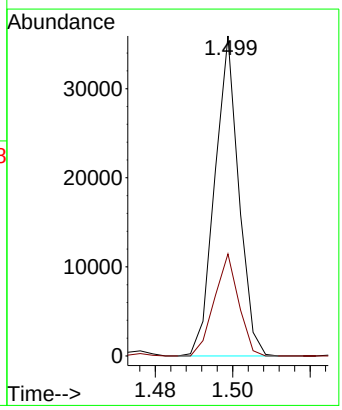


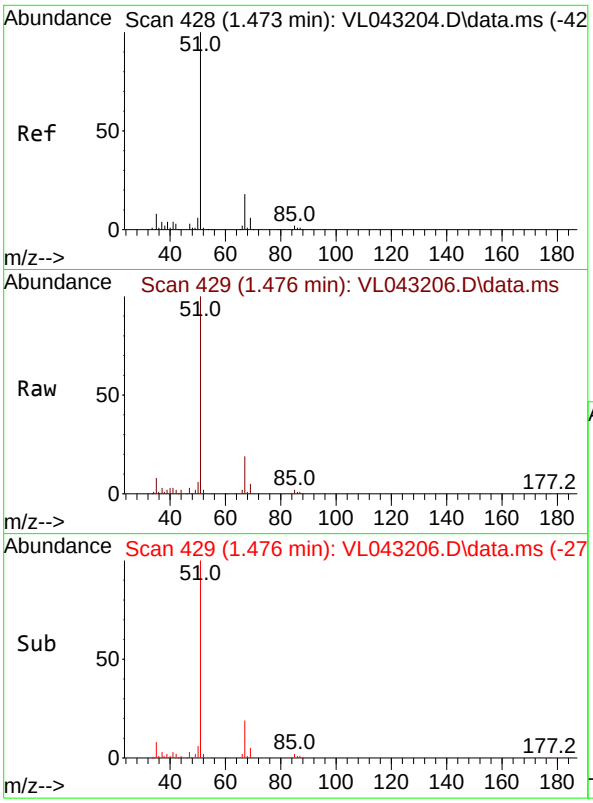


#2
Dichlorodifluoromethane
Concen: 1.067 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 85 Resp: 15474

Ion	Ratio	Lower	Upper
85	100		
87	31.9	25.4	38.2



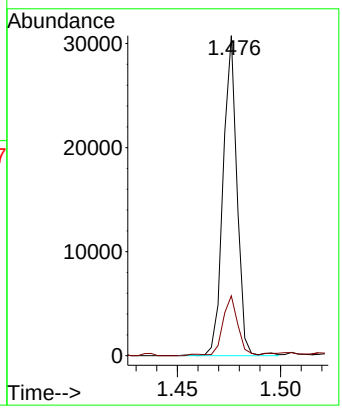


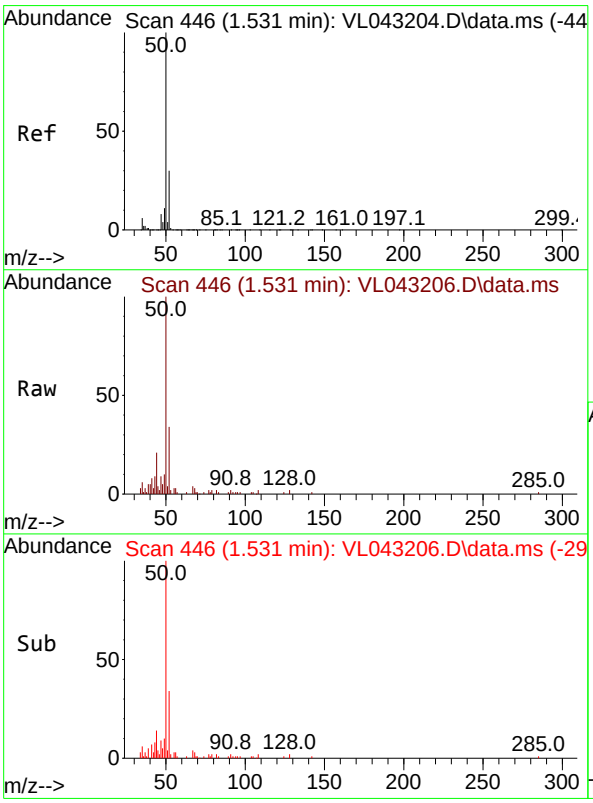
#3
Chlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 14437

Ion	Ratio	Lower	Upper
51	100		
67	22.3	14.9	22.3#

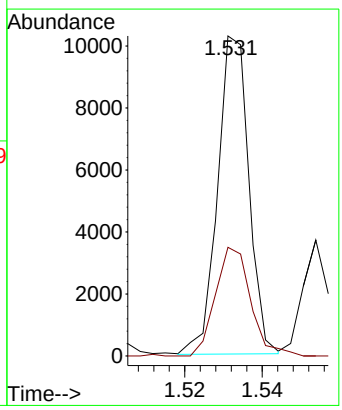


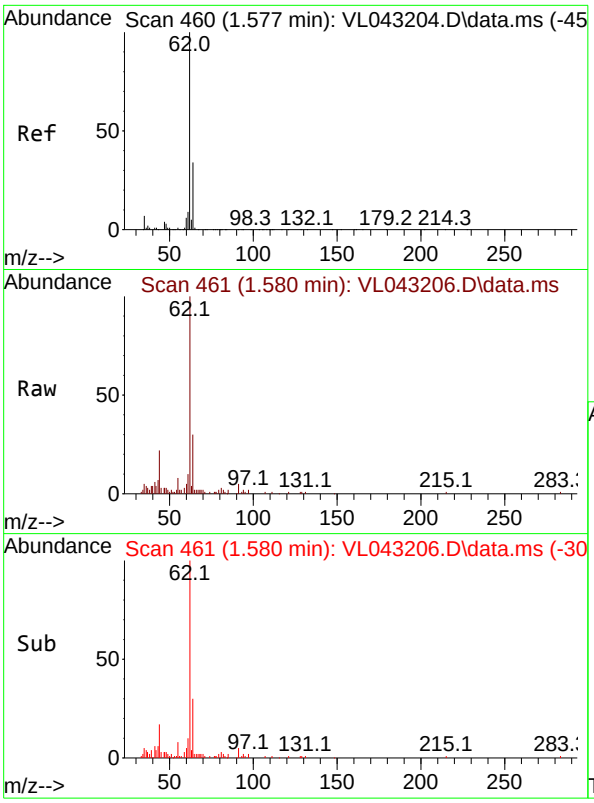


#4
Chloromethane
Concen: 1.061 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 50 Resp: 5751

Ion	Ratio	Lower	Upper
50	100		
52	34.2	24.1	36.1



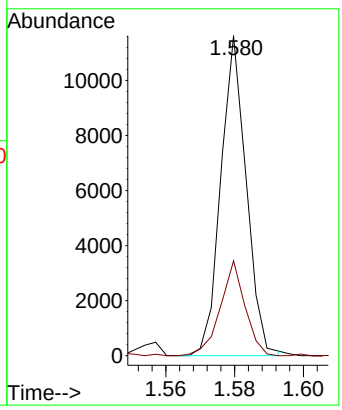


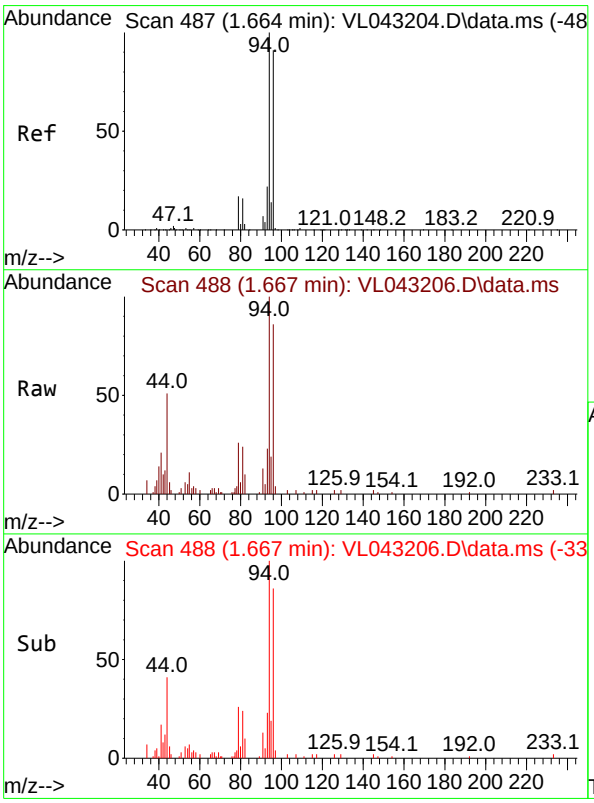
#5
Vinyl Chloride
Concen: 1.007 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 5967

Ion	Ratio	Lower	Upper
62	100		
64	31.3	27.3	40.9

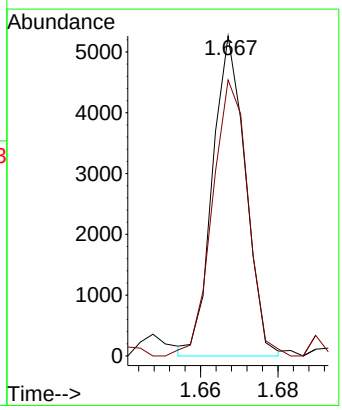


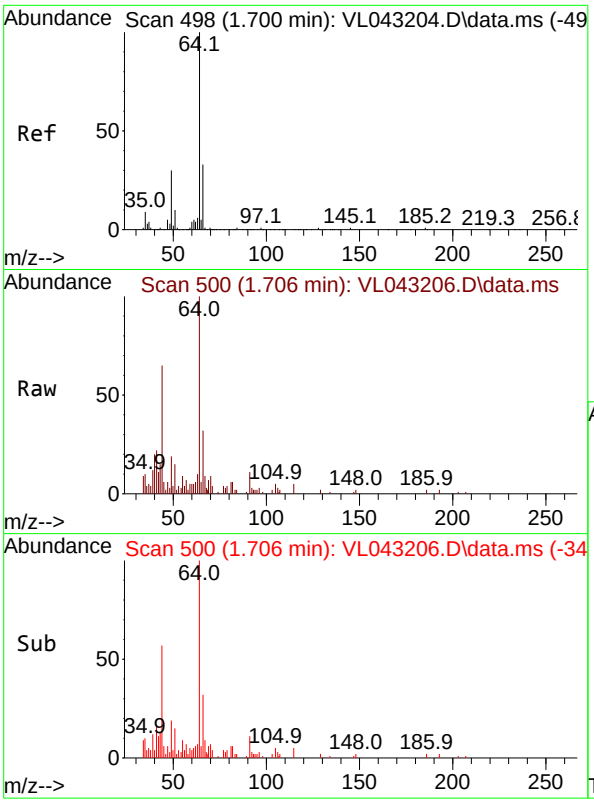


#6
Bromomethane
Concen: 1.080 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 94 Resp: 3104

Ion	Ratio	Lower	Upper
94	100		
96	85.7	72.9	109.3



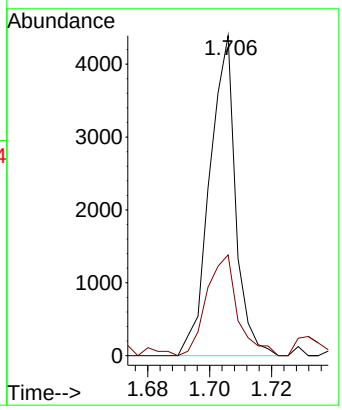


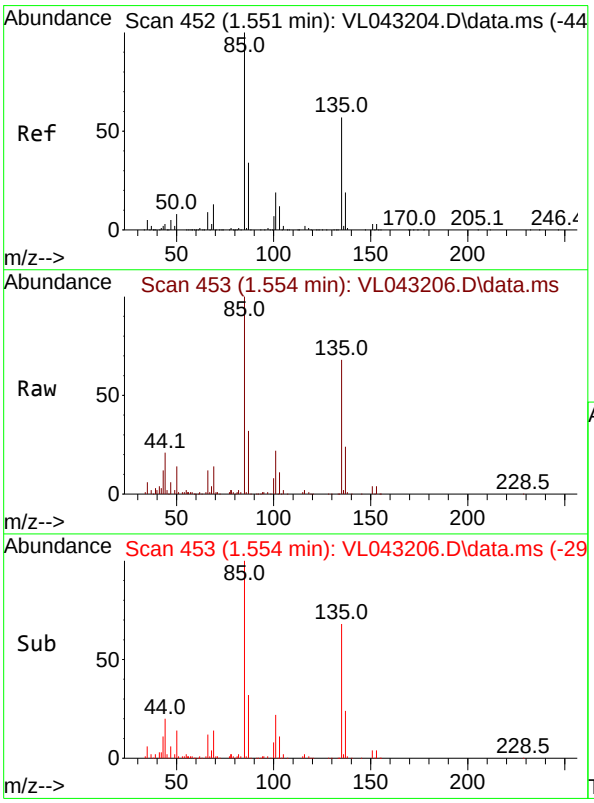
#7
Chloroethane
Concen: 1.104 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 2550

Ion	Ratio	Lower	Upper
64	100		
66	31.5	26.8	40.2

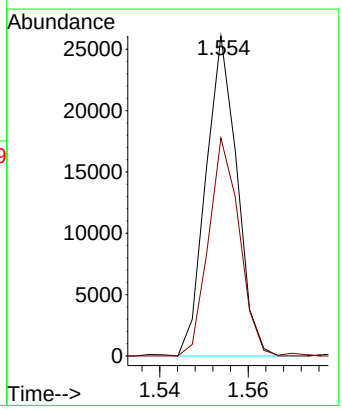


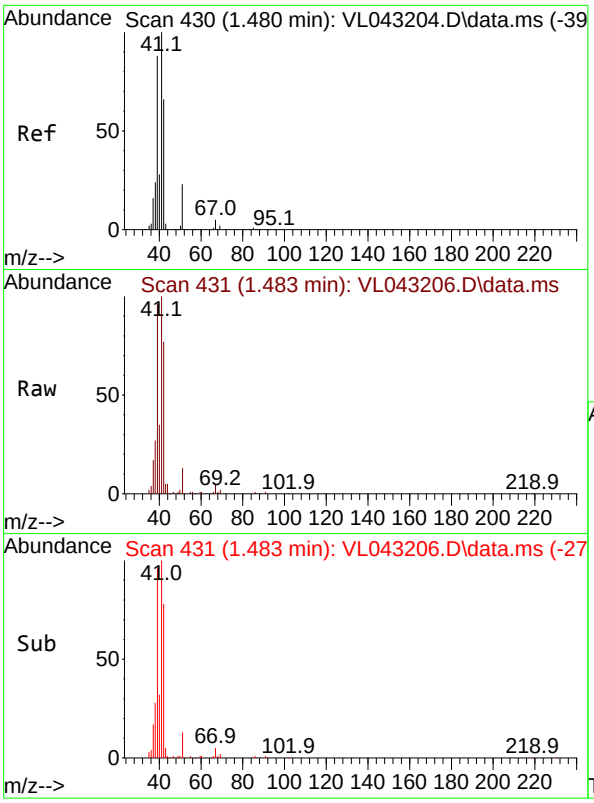


#8
Dichlorotetrafluoroethane
Concen: 1.058 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 85 Resp: 12759

Ion	Ratio	Lower	Upper
85	100		
135	67.7	52.6	79.0



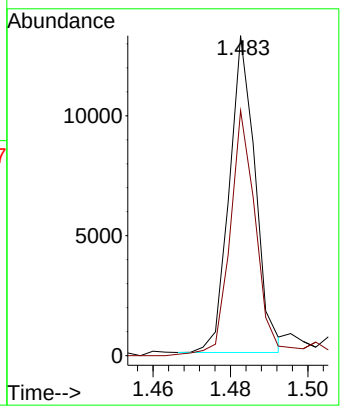


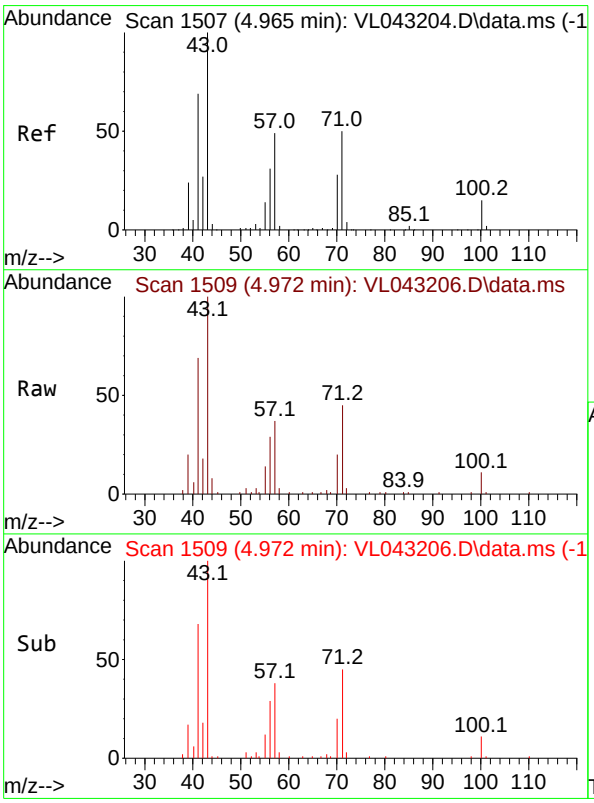
#9
Propene
Concen: 0.929 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 6147

Ion	Ratio	Lower	Upper
41	100		
42	80.0	3.7	5.5#

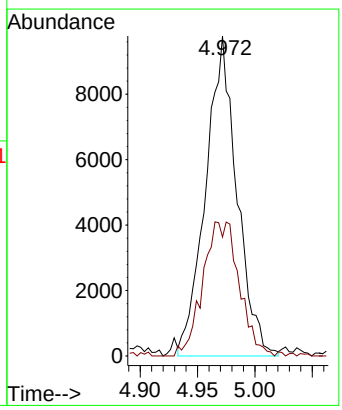


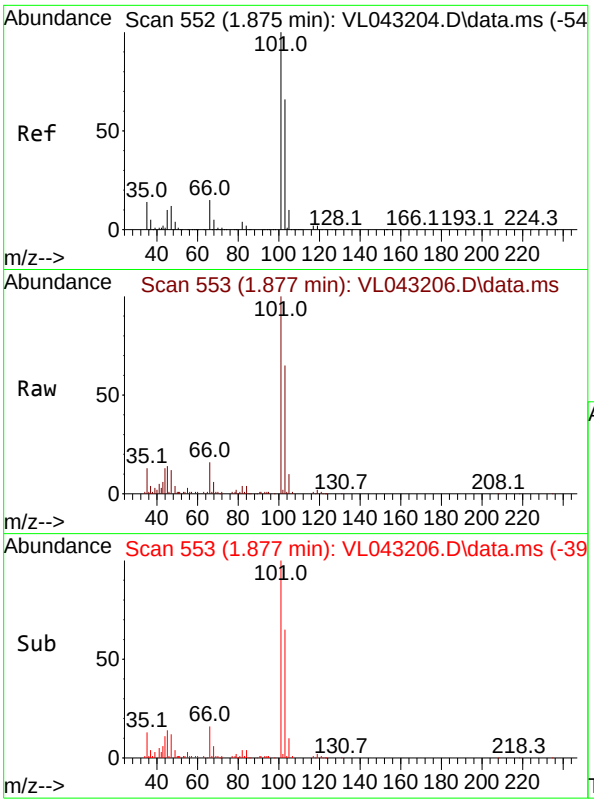


#10
Heptane
Concen: 1.022 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 18544

Ion	Ratio	Lower	Upper
43	100		
57	49.3	39.7	59.5



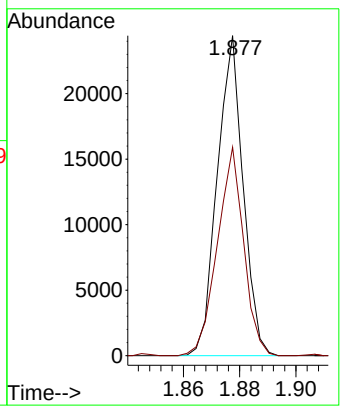


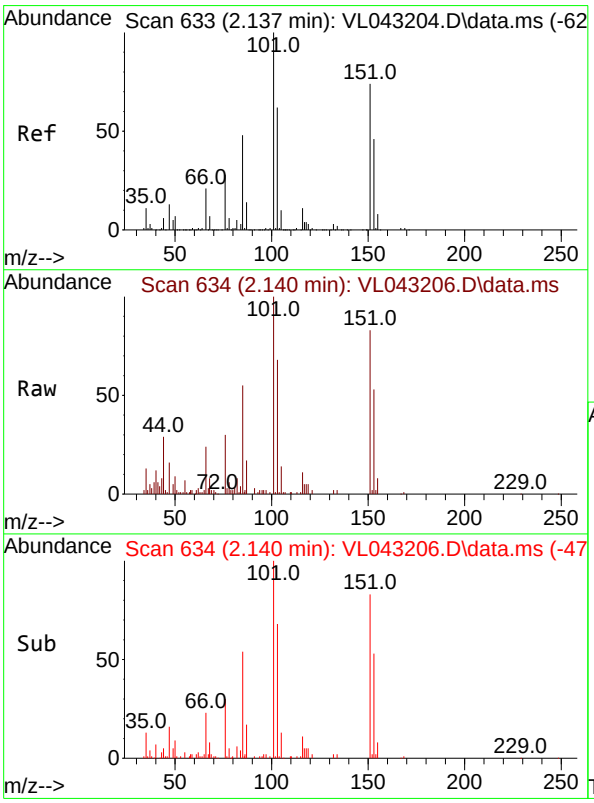
#11
Trichlorofluoromethane
Concen: 1.108 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 15571

Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.6	79.0

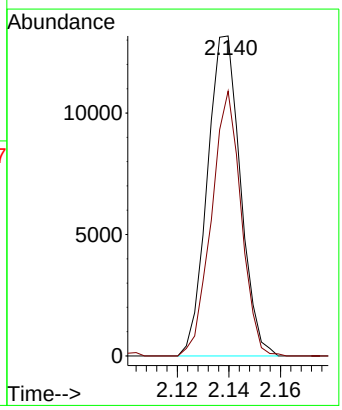


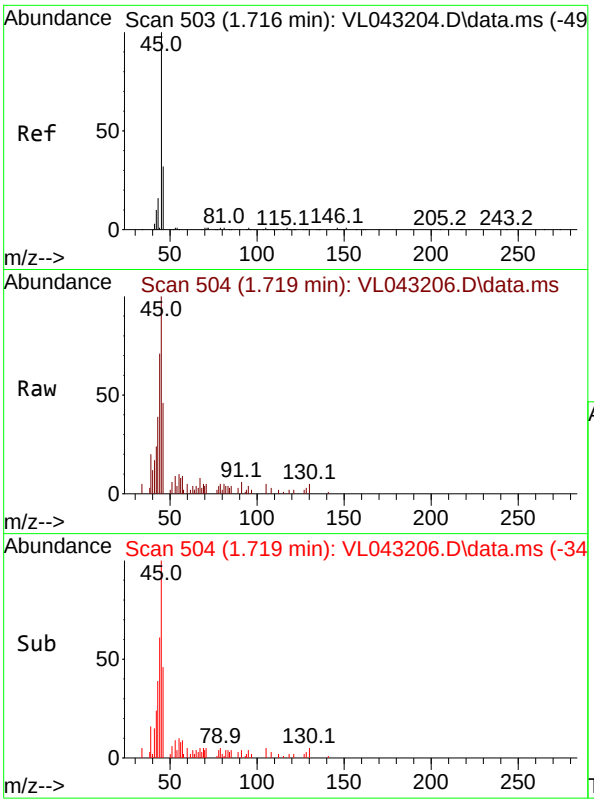


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.071 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:101 Resp: 11743

Ion	Ratio	Lower	Upper
101	100		
151	74.6	59.2	88.8



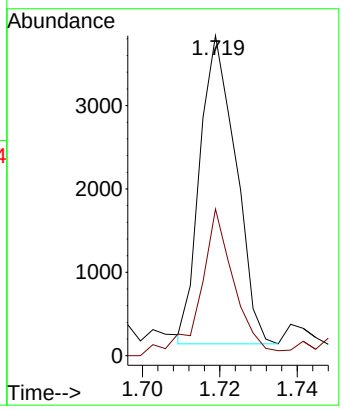


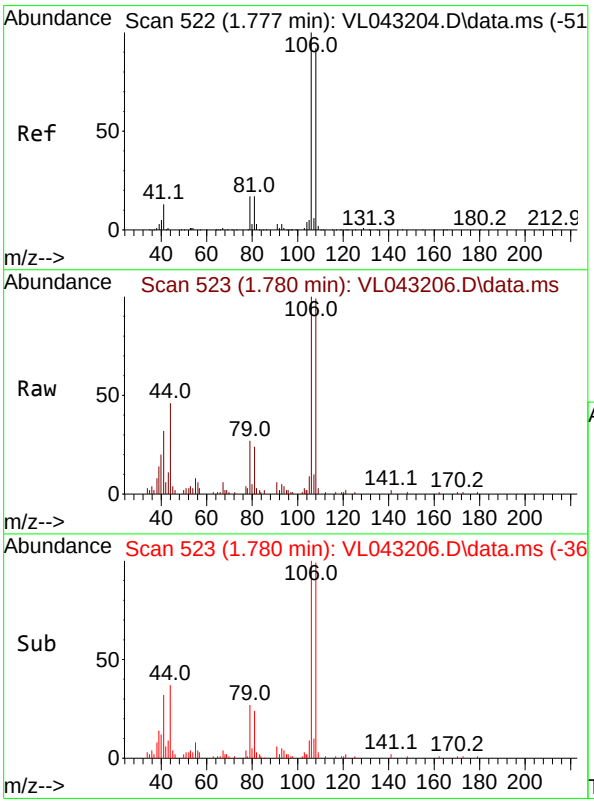
#13
Ethanol
Concen: 1.115 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 2373

Ion	Ratio	Lower	Upper
45	100		
46	57.0	15.0	59.8

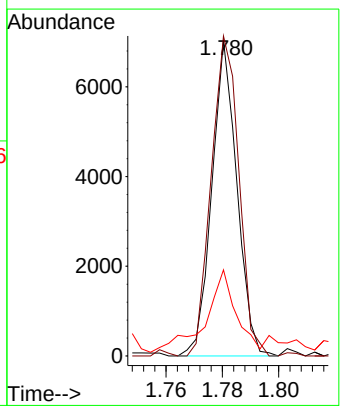


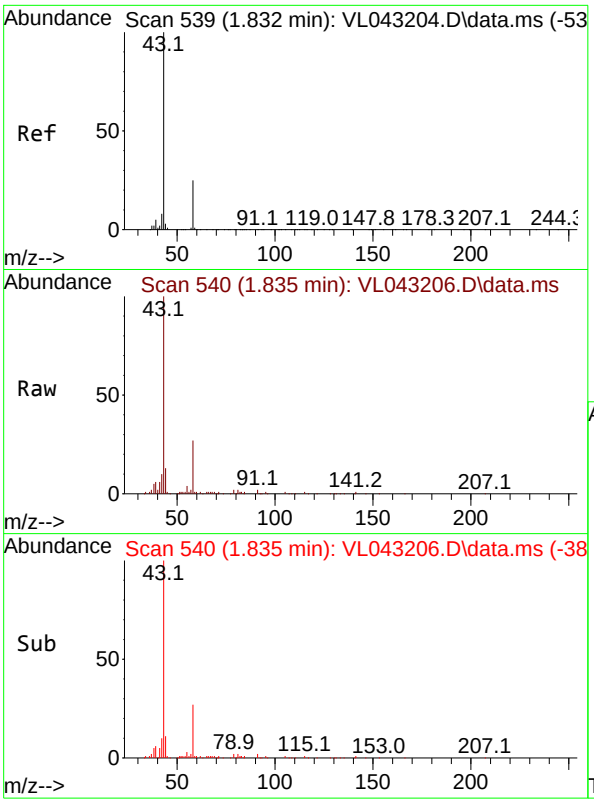


#14
Bromoethene
Concen: 1.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:108 Resp: 4345

Ion	Ratio	Lower	Upper
108	100		
106	114.0	88.9	133.3
79	39.2	16.5	24.7#



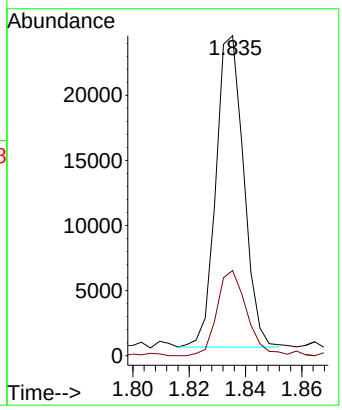


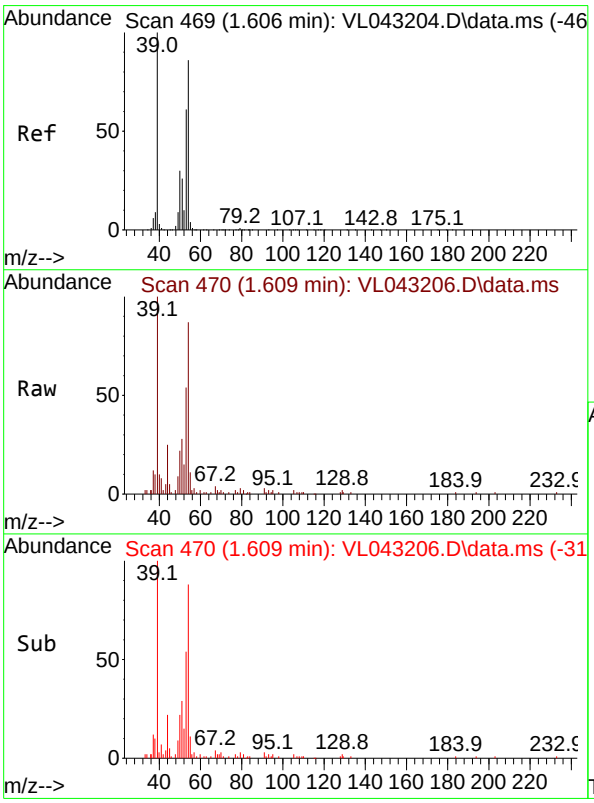
#15
Acetone
Concen: 1.145 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 16353

Ion	Ratio	Lower	Upper
43	100		
58	30.9	20.7	31.1

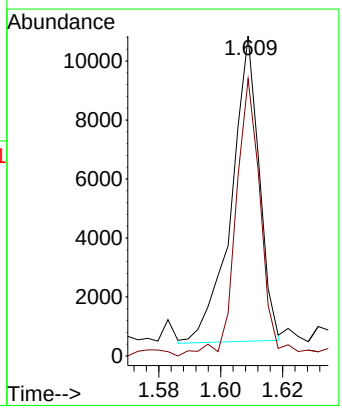


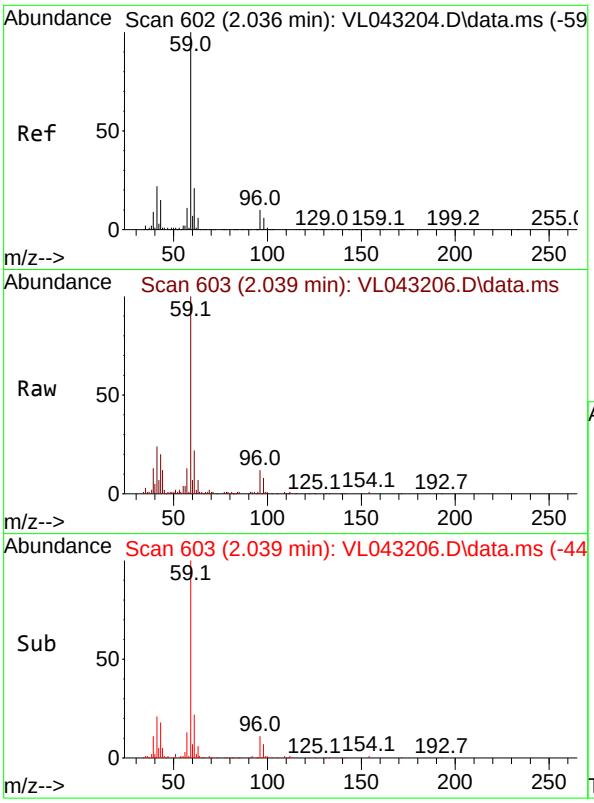


#16
1,3-Butadiene
Concen: 1.016 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 39 Resp: 6469

Ion	Ratio	Lower	Upper
39	100		
54	77.8	59.4	89.2



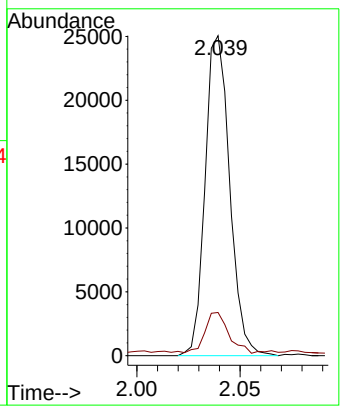


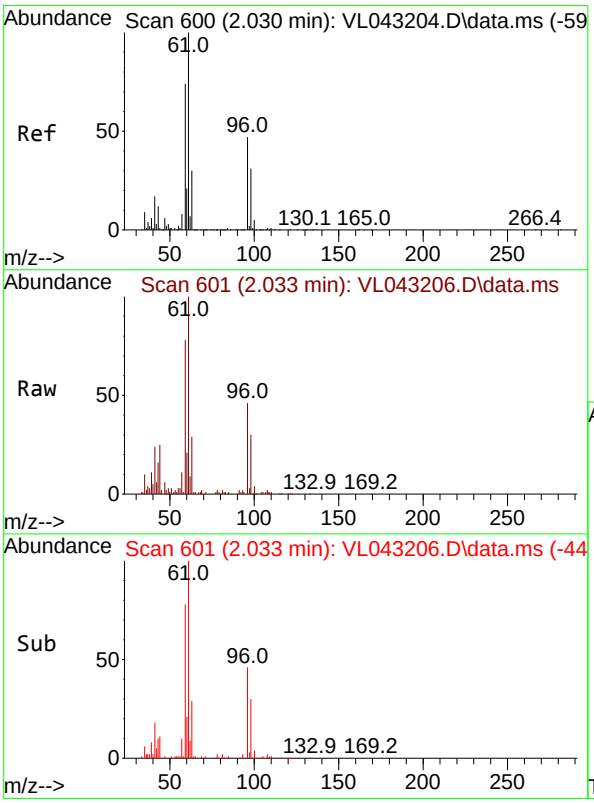
#17
tert-Butyl alcohol
Concen: 1.104 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 20703

Ion	Ratio	Lower	Upper
59	100		
57	14.1	9.0	13.4#

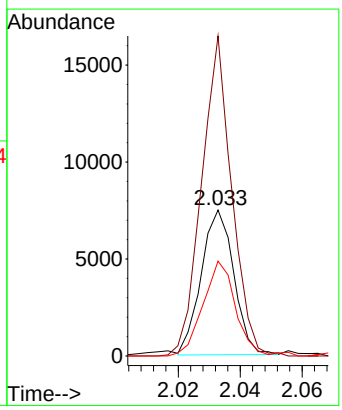


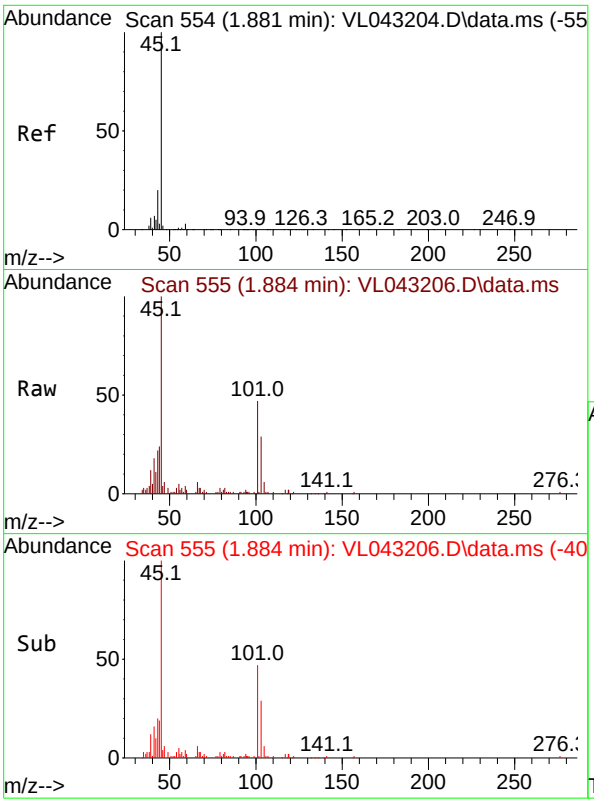


#18
1,1-Dichloroethene
Concen: 1.067 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 96 Resp: 5447

Ion	Ratio	Lower	Upper
96	100		
61	219.3	170.6	255.8
98	63.7	52.2	78.4



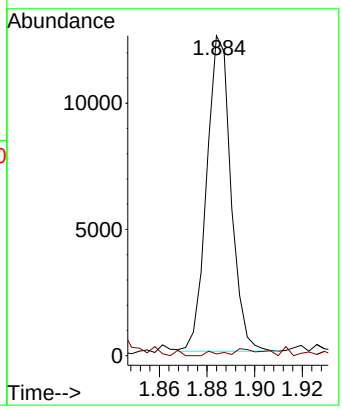


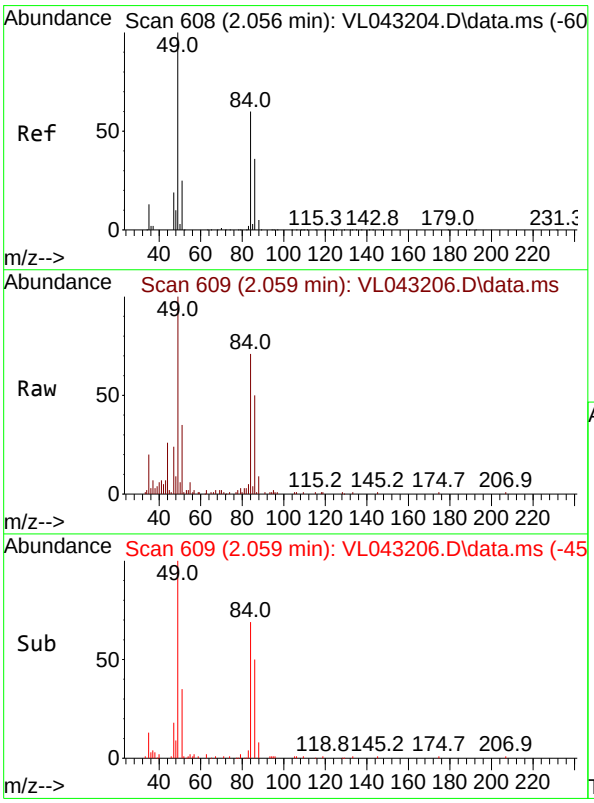
#19
Isopropyl Alcohol
Concen: 1.097 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 8849

Ion	Ratio	Lower	Upper
45	100		
58	4.0	31.3	46.9#

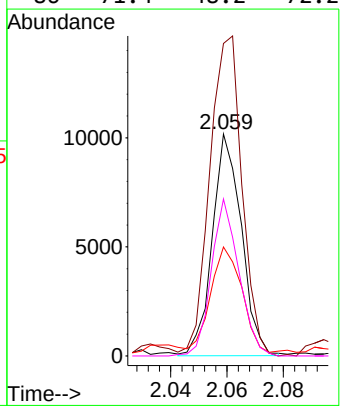


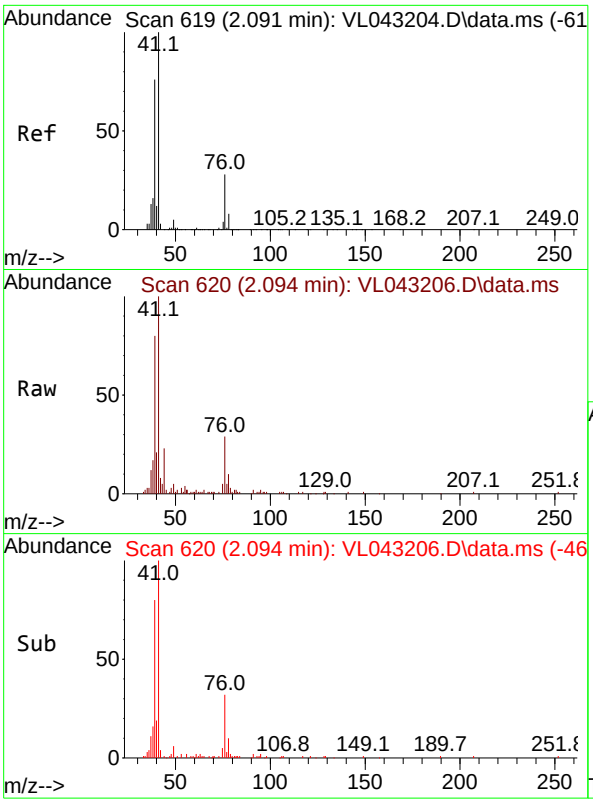


#20
Methylene Chloride
Concen: 1.030 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 7297

Ion	Ratio	Lower	Upper
84	100		
49	142.0	132.9	199.3
51	47.3	34.8	52.2
86	71.4	48.2	72.2



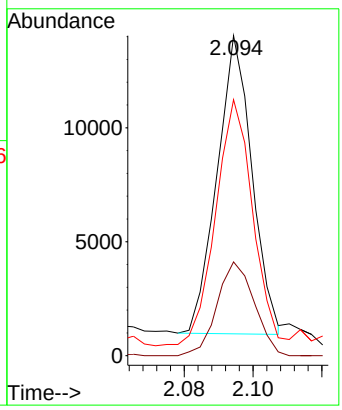


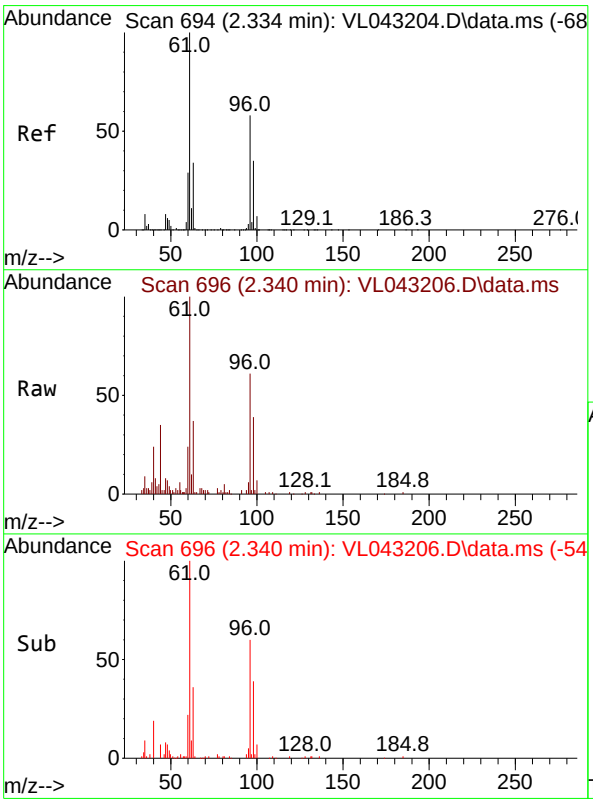
#21
Allyl Chloride
Concen: 0.957 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 9198

Ion	Ratio	Lower	Upper
41	100		
76	33.5	22.1	33.1#
39	91.7	61.0	91.4#

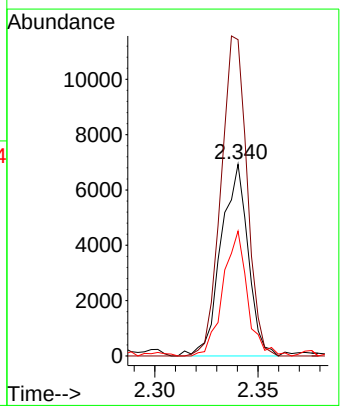


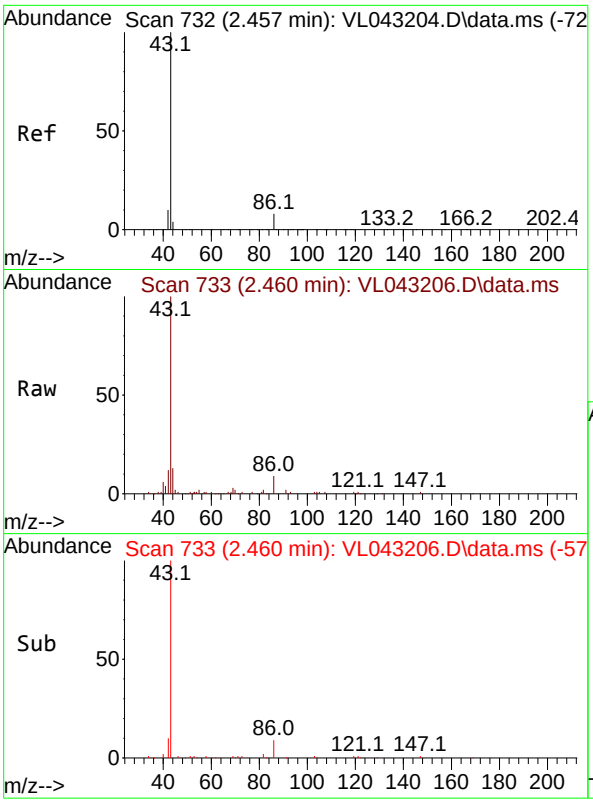


#22
trans-1,2-Dichloroethene
Concen: 1.082 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 96 Resp: 6313

Ion	Ratio	Lower	Upper
96	100		
61	165.0	139.0	208.6
98	65.1	49.4	74.2



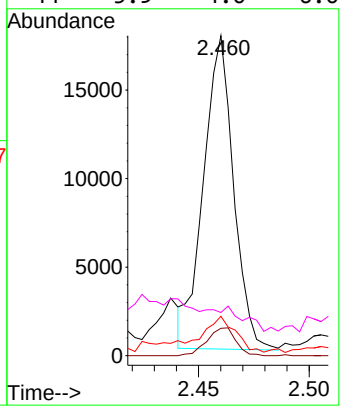


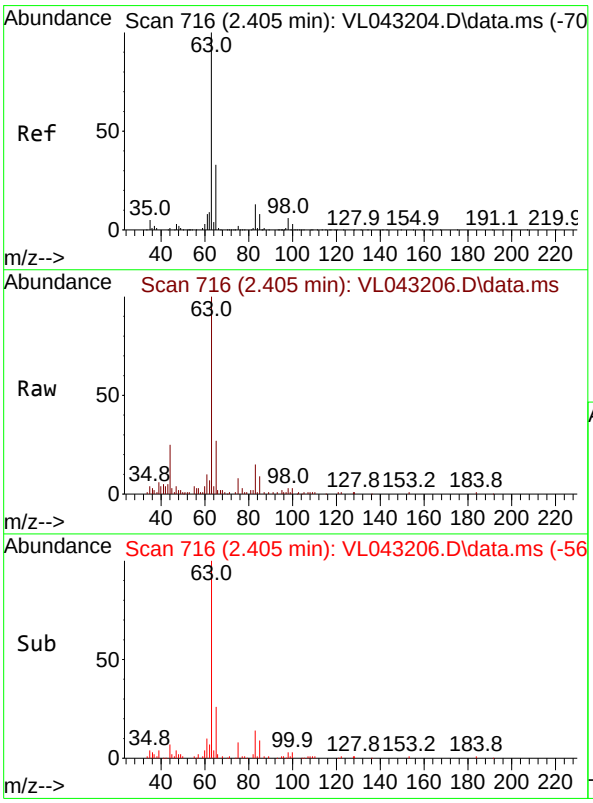
#23
Vinyl Acetate
Concen: 0.973 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 16779

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.2	9.2
42	10.4	8.0	12.0
44	5.9	4.0	6.0

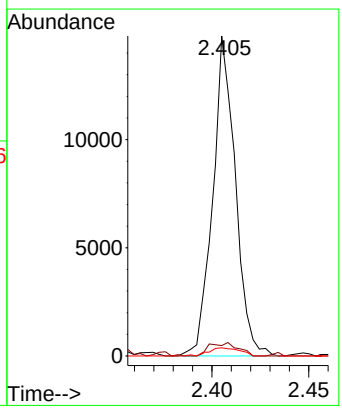


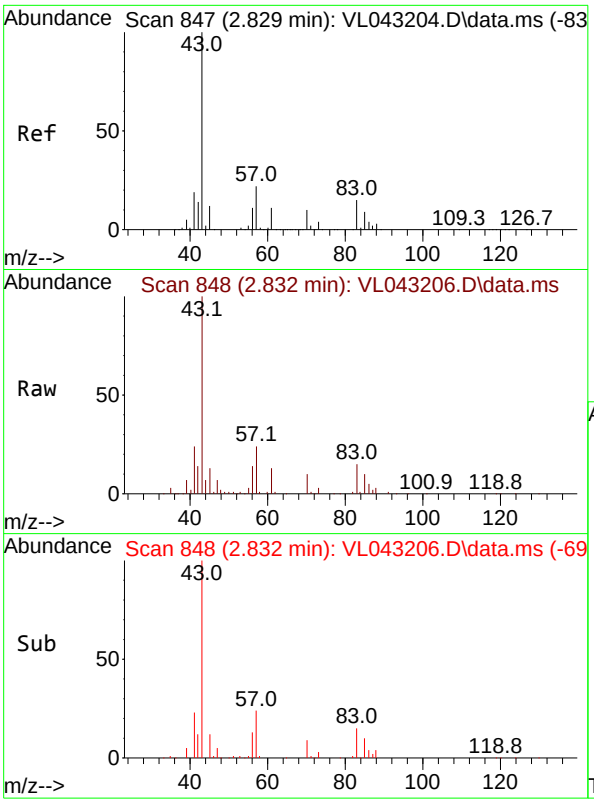


#24
1,1-Dichloroethane
Concen: 1.071 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 63 Resp: 12062

Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.8	8.4
100	2.5	1.3	3.9



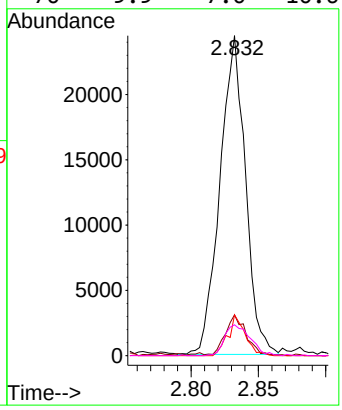


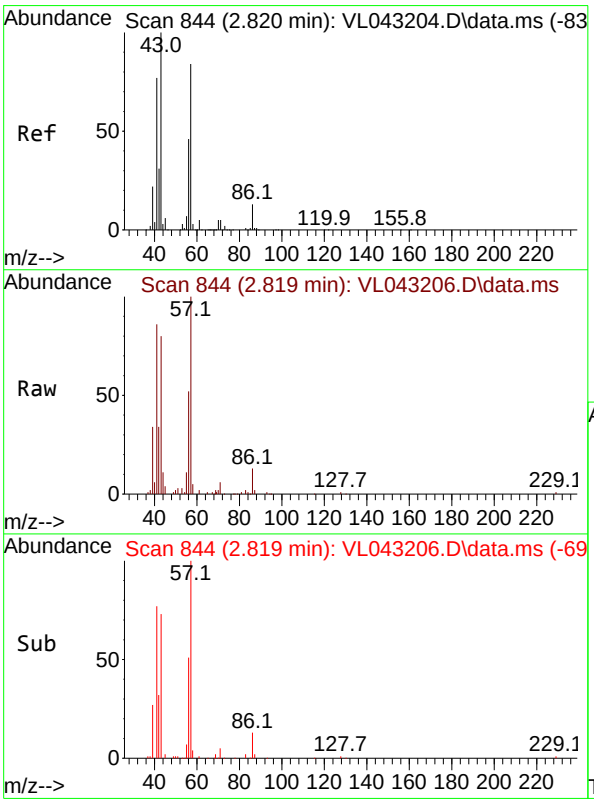
#25
Ethyl Acetate
Concen: 1.041 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 32108

Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.1	12.1
61	8.7	7.0	10.4
70	9.9	7.0	10.6

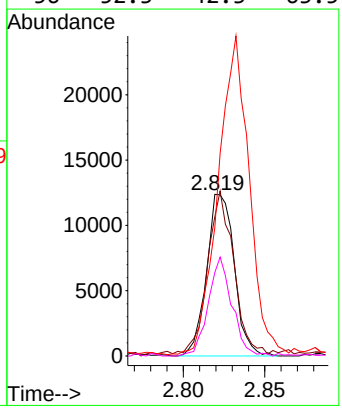


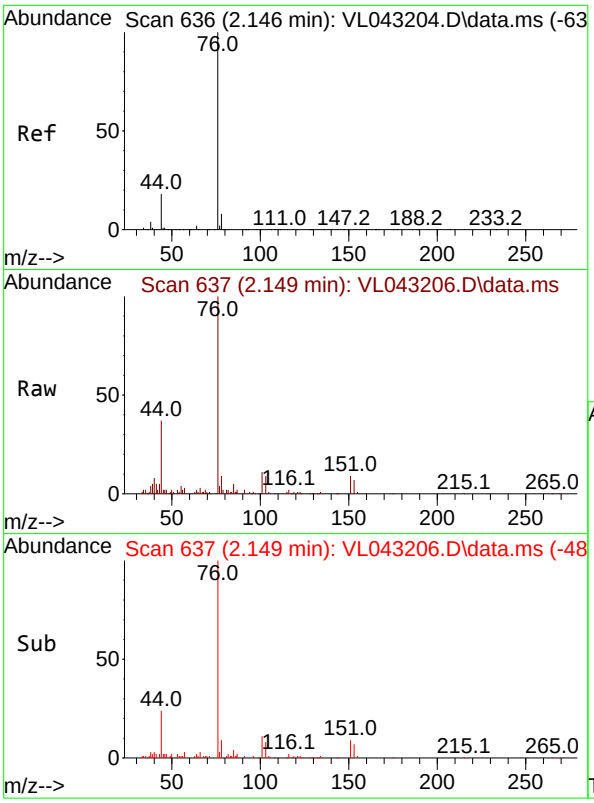


#26
Hexane
Concen: 1.084 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 57 Resp: 14639

Ion	Ratio	Lower	Upper
57	100		
41	96.8	74.6	111.8
43	222.8	179.0	268.4
56	52.3	42.3	63.5



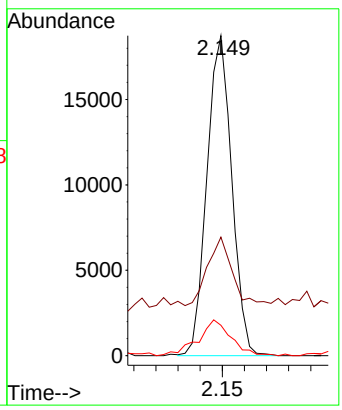


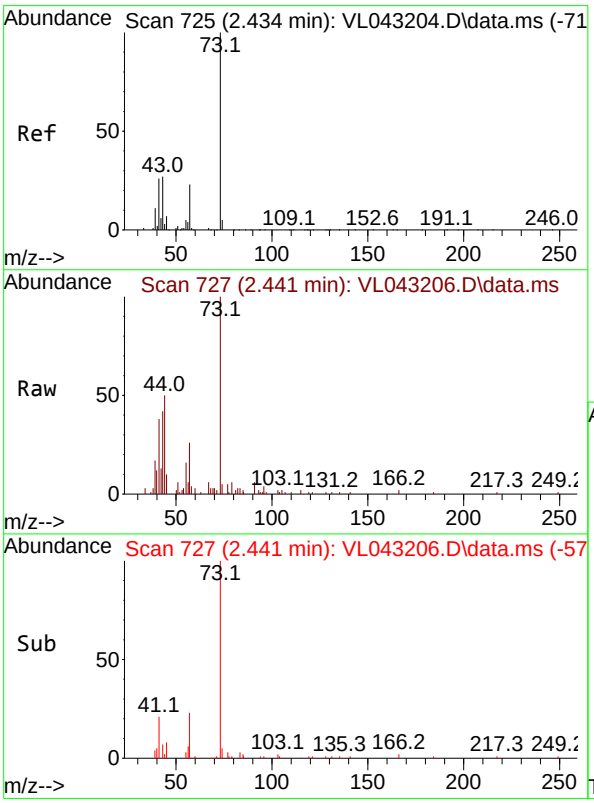
#27
Carbon Disulfide
Concen: 1.062 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 14637

Ion	Ratio	Lower	Upper
76	100		
44	69.6	16.1	24.1#
78	14.8	9.6	14.4#

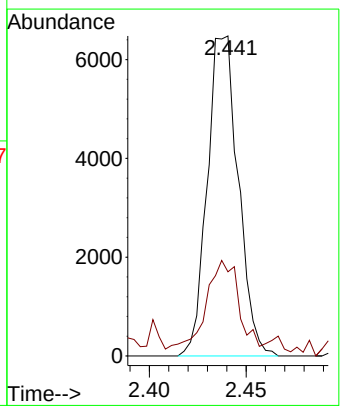


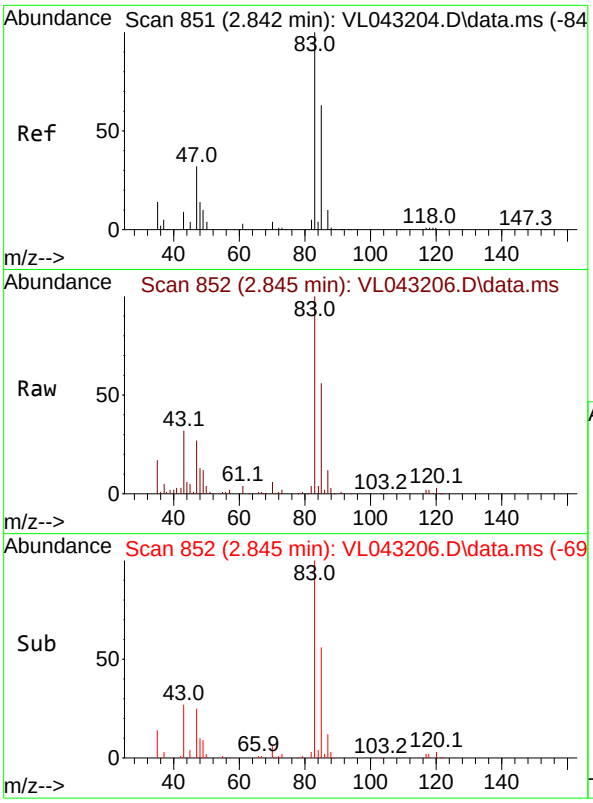


#28
Methyl tert-Butyl Ether
Concen: 1.092 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 73 Resp: 7236

Ion	Ratio	Lower	Upper
73	100		
57	33.1	19.8	29.8#



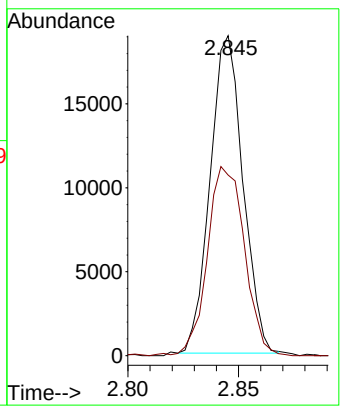


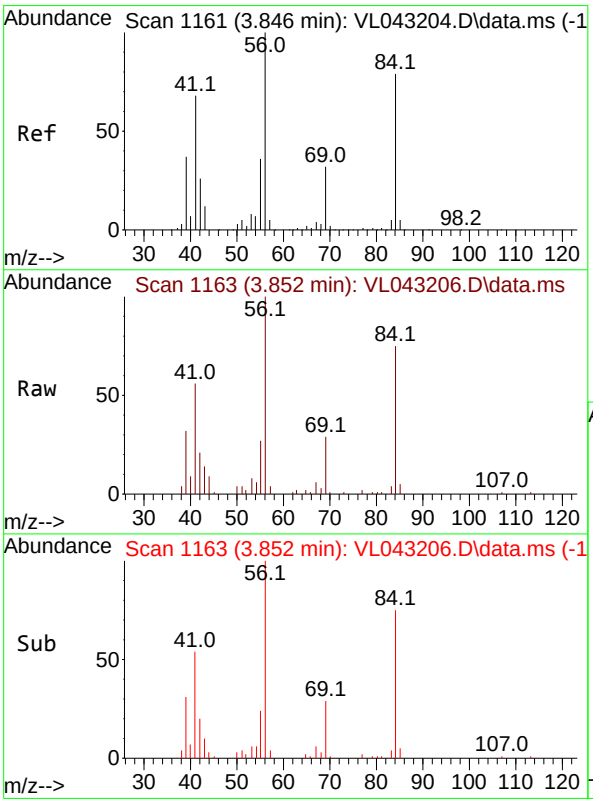
#29
Chloroform
Concen: 1.016 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 19509

Ion	Ratio	Lower	Upper
83	100		
85	56.3	50.5	75.7

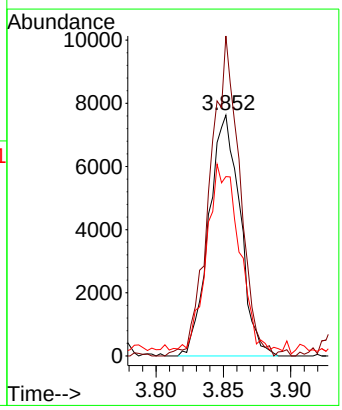


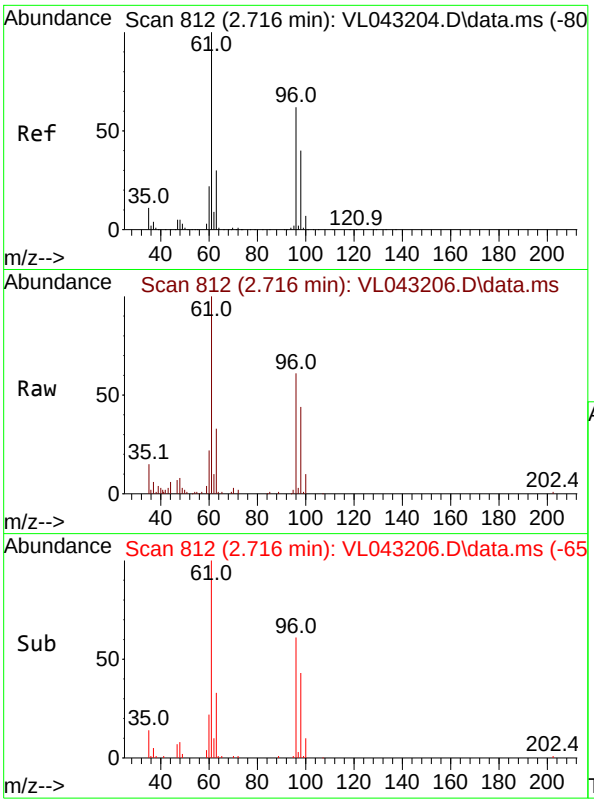


#30
Cyclohexane
Concen: 1.084 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 12269

Ion	Ratio	Lower	Upper
84	100		
56	127.5	104.7	157.1
41	90.4	69.0	103.6



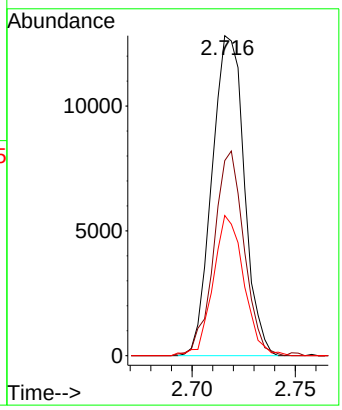


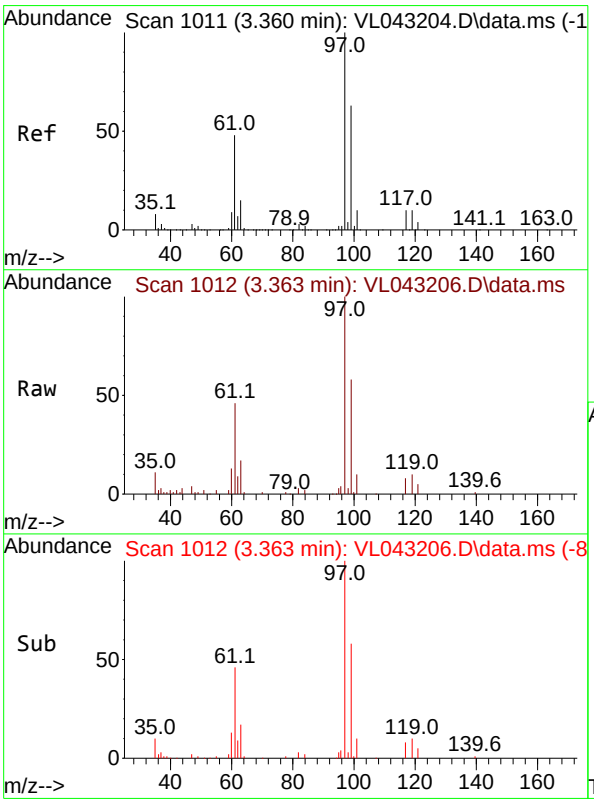
#31
cis-1,2-Dichloroethene
Concen: 1.035 ppbv
RT: 2.716 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 13889

Ion	Ratio	Lower	Upper
61	100		
96	60.4	49.3	73.9
98	43.0	32.1	48.1

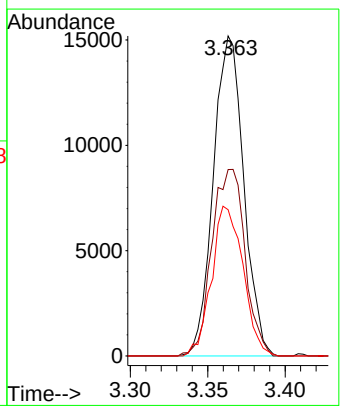


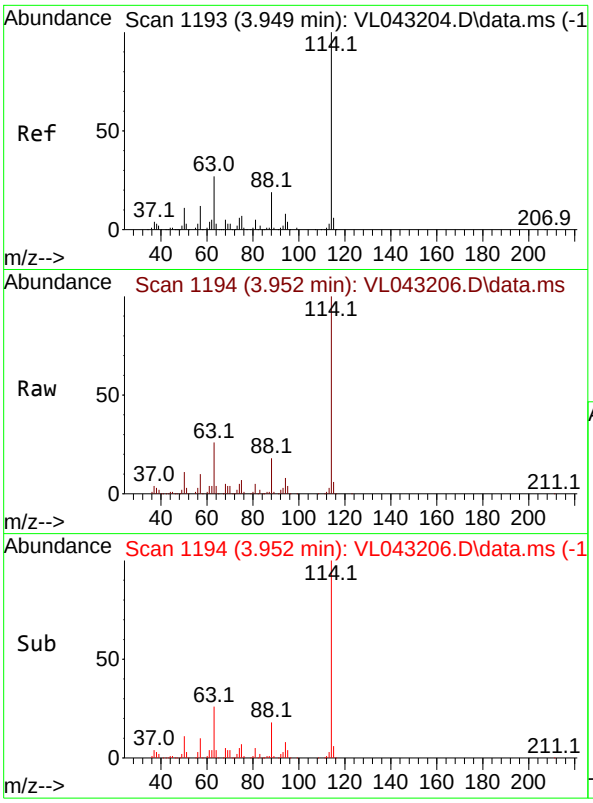


#32
1,1,1-Trichloroethane
Concen: 1.005 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 97 Resp: 20745

Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.3	75.5
61	48.3	38.9	58.3



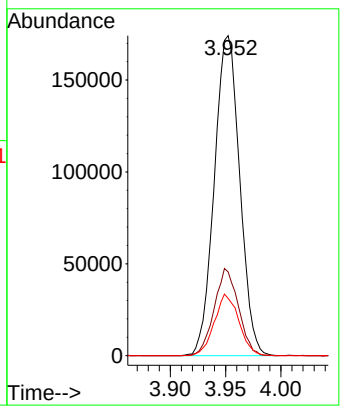


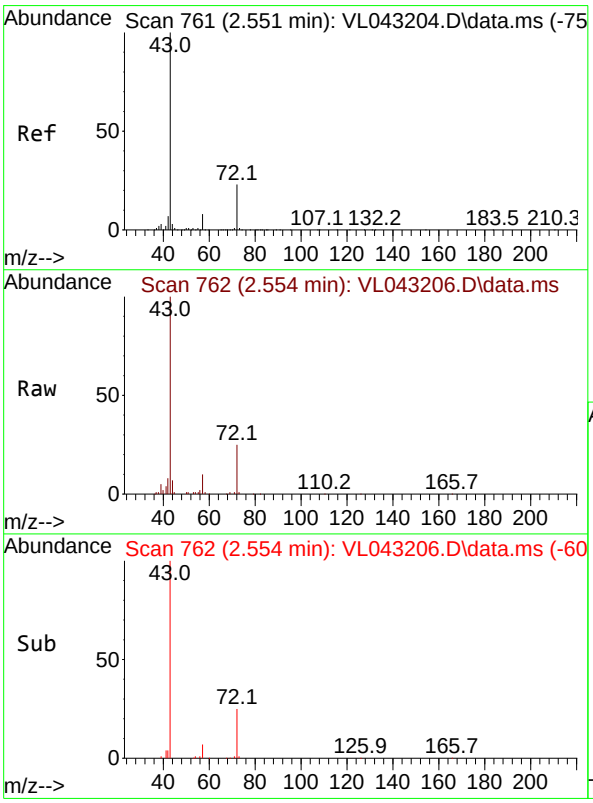
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 278732

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.0	31.6
88	18.6	14.9	22.3

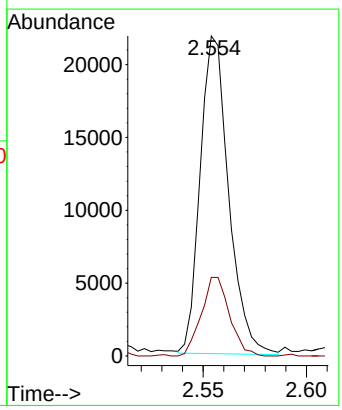


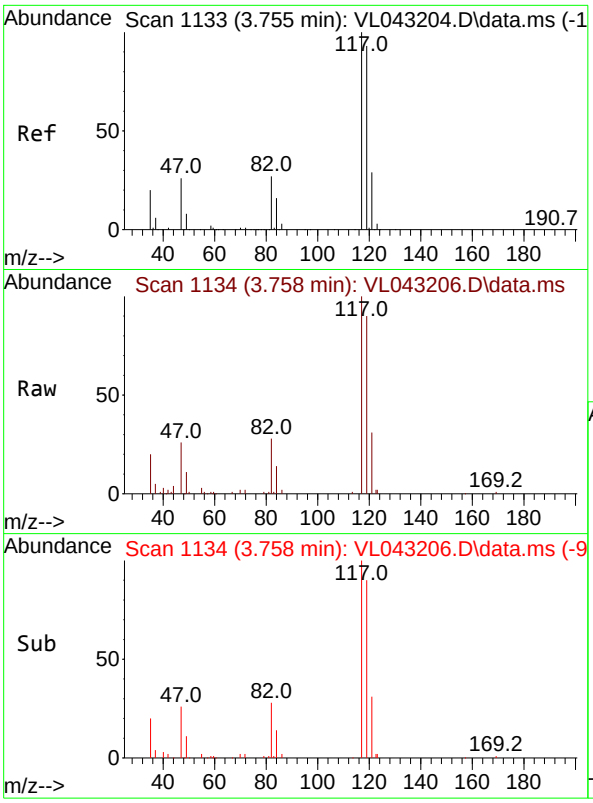


#34
2-Butanone
Concen: 1.064 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 20940

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.1	27.1



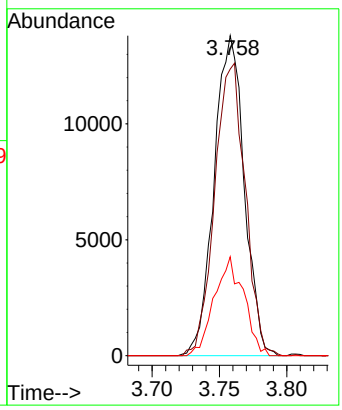


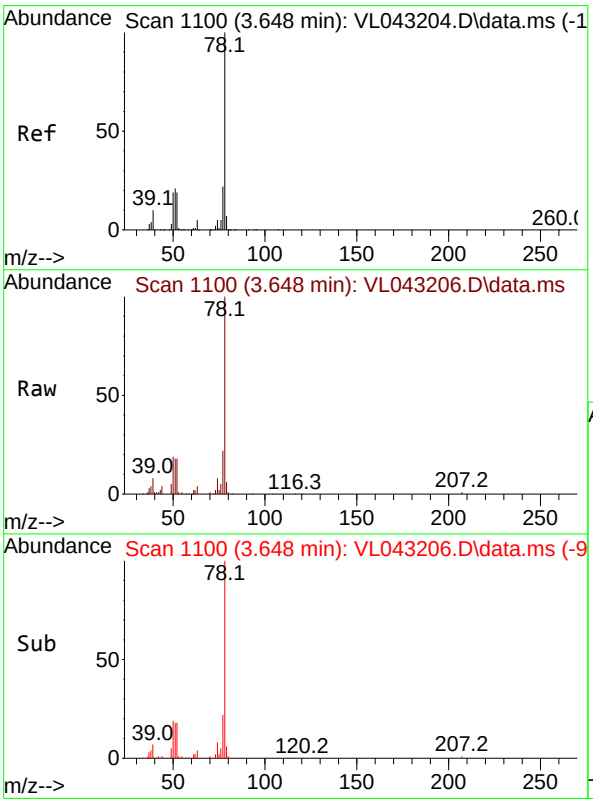
#35
Carbon Tetrachloride
Concen: 1.016 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 21497

Ion	Ratio	Lower	Upper
117	100		
119	89.6	74.6	112.0
121	30.9	23.2	34.8

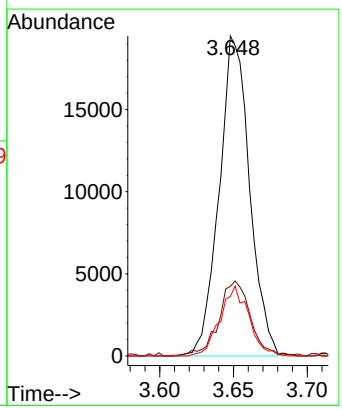


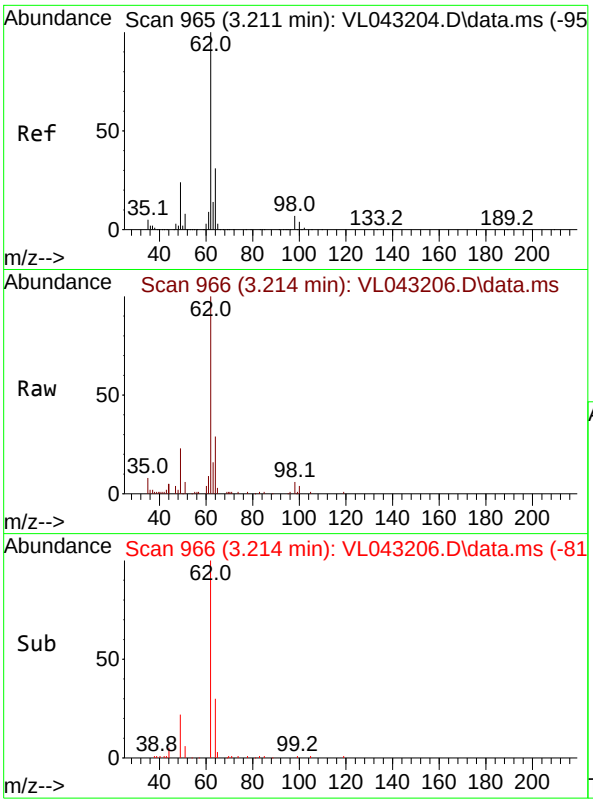


#36
Benzene
Concen: 1.046 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 78 Resp: 27911

Ion	Ratio	Lower	Upper
78	100		
77	21.5	17.5	26.3
50	18.6	15.5	23.3



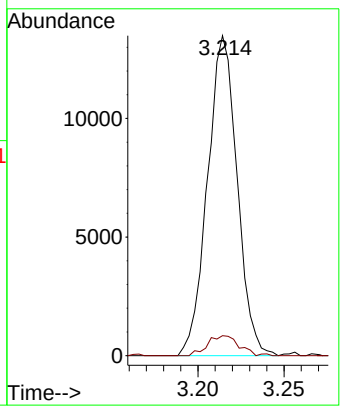


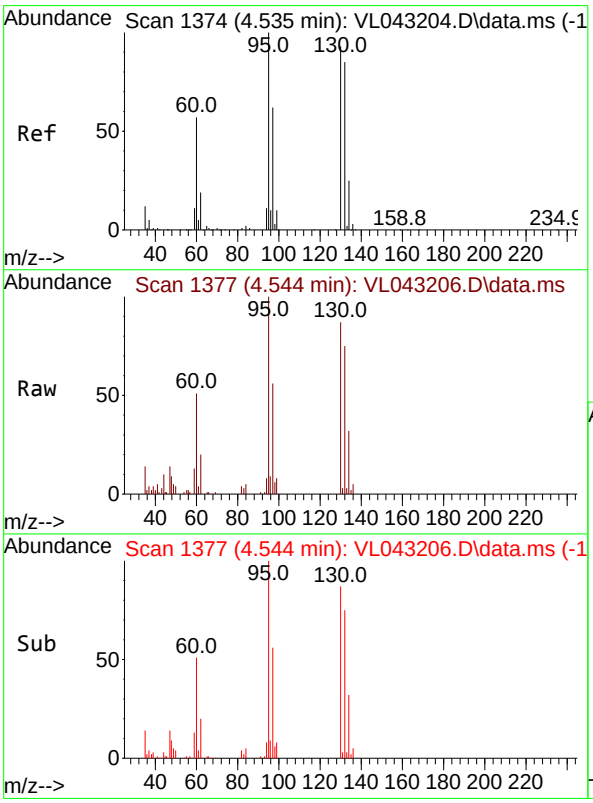
#37
1,2-Dichloroethane
Concen: 1.035 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 16159

Ion	Ratio	Lower	Upper
62	100		
98	6.7	5.5	8.3

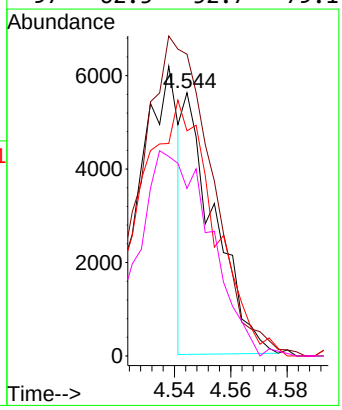


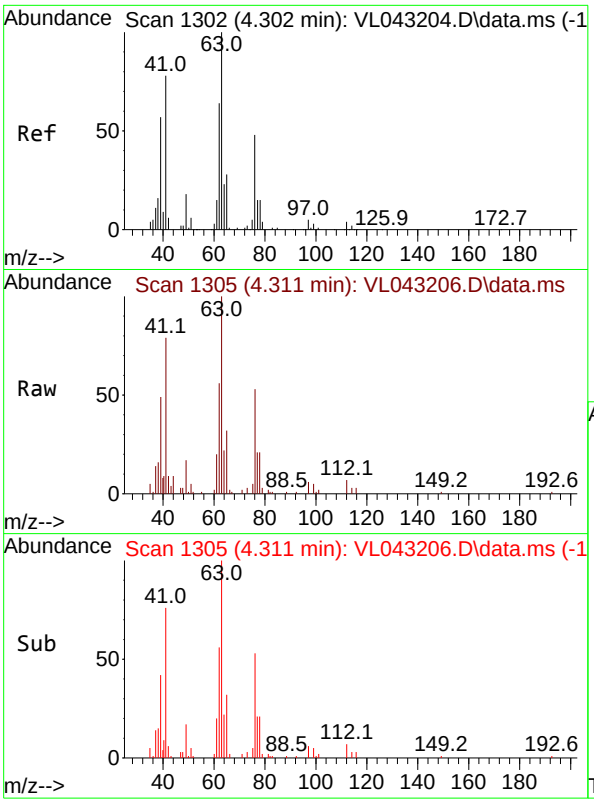


#38
Trichloroethene
Concen: 0.414 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:130 Resp: 4331

Ion	Ratio	Lower	Upper
130	100		
95	113.3	85.7	128.5
132	83.5	73.4	110.0
97	62.5	52.7	79.1



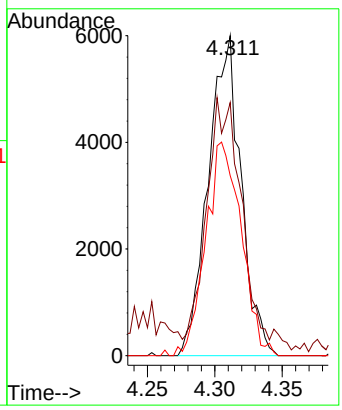


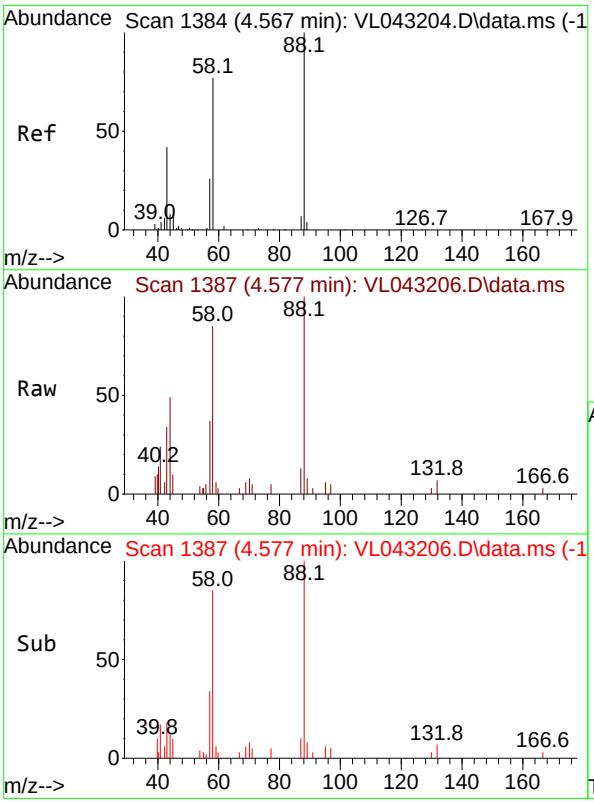
#39
1,2-Dichloropropane
Concen: 1.039 ppbv
RT: 4.311 min Scan# 1
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 10147

Ion	Ratio	Lower	Upper
63	100		
41	70.5	62.6	93.8
62	56.2	51.0	76.6

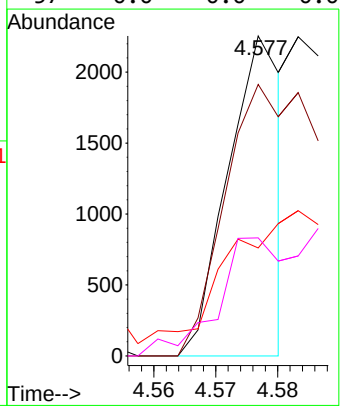


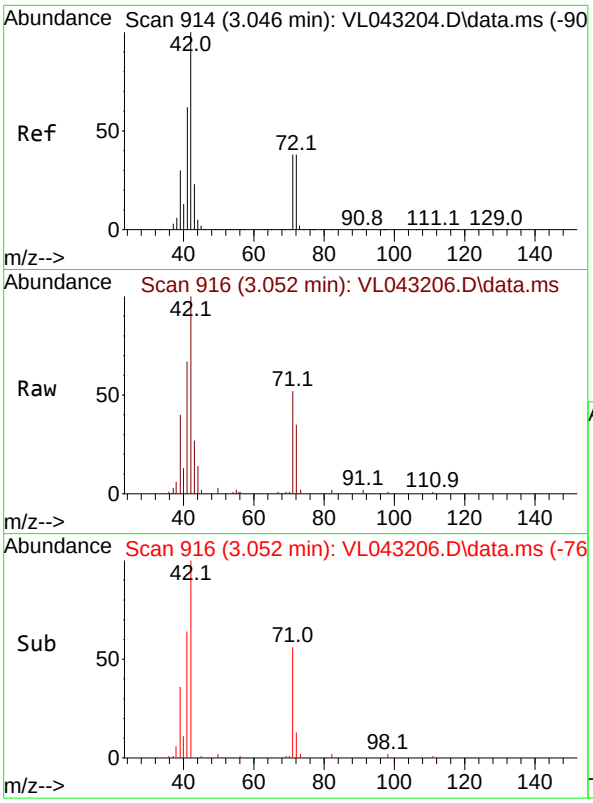


#40
1,4-Dioxane
Concen: 0.312 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 88 Resp: 1369

Ion	Ratio	Lower	Upper
88	100		
58	234.8	63.0	94.6#
43	0.0	32.5	48.7#
57	0.0	0.0	0.0



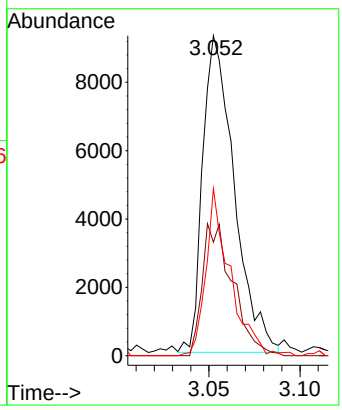


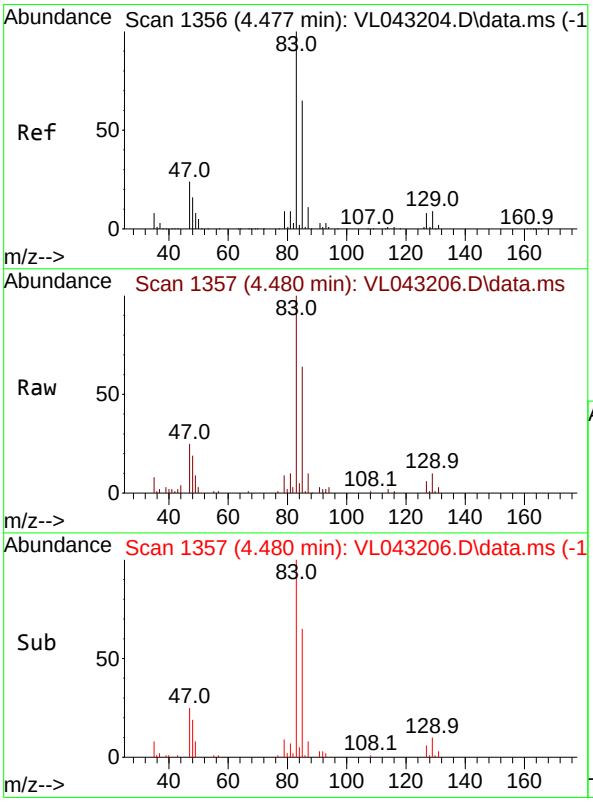
#41
Tetrahydrofuran
Concen: 1.029 ppbv
RT: 3.052 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 11176

Ion	Ratio	Lower	Upper
42	100		
72	40.2	30.6	46.0
71	40.4	30.5	45.7

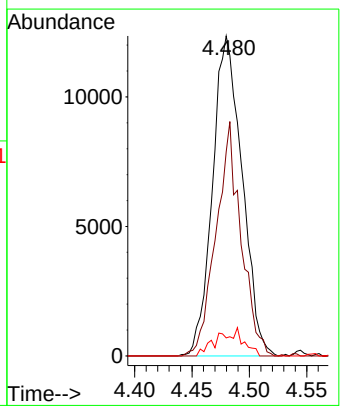


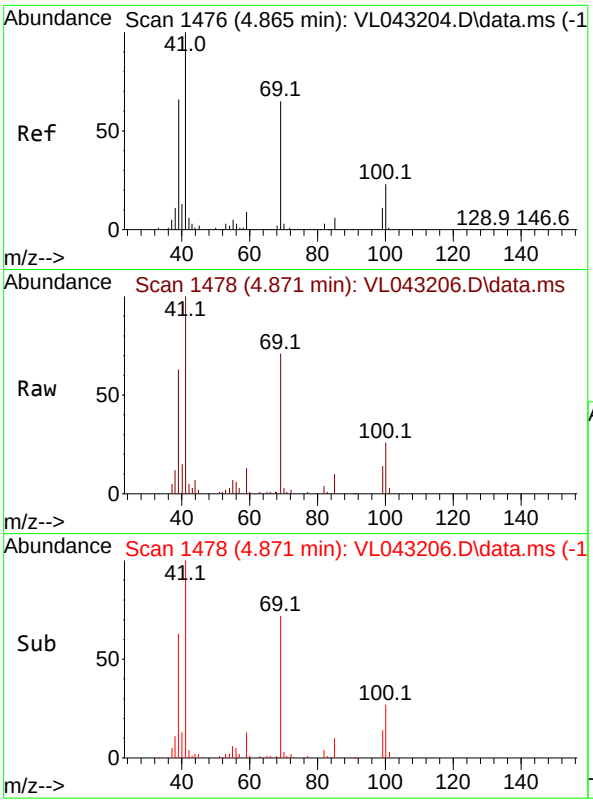


#42
Bromodichloromethane
Concen: 1.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 83 Resp: 22150

Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	5.6	6.3	9.5#



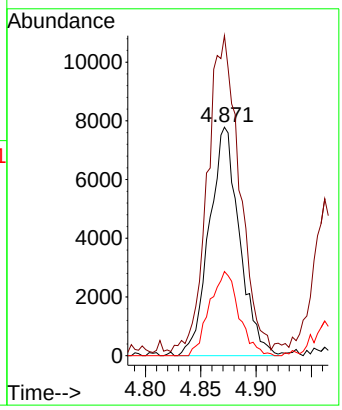


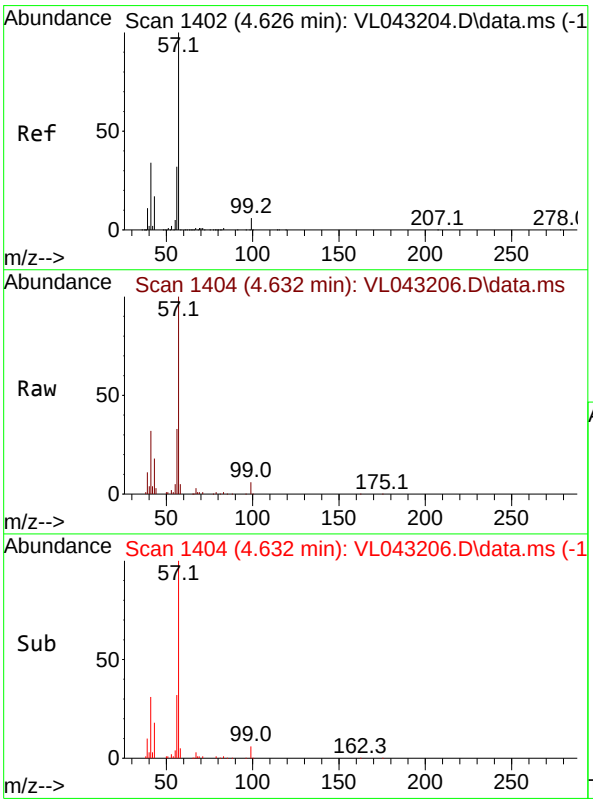
#43
Methyl Methacrylate
Concen: 1.046 ppbv
RT: 4.871 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 14821

Ion	Ratio	Lower	Upper
69	100		
41	148.1	126.7	190.1
100	35.7	28.6	43.0

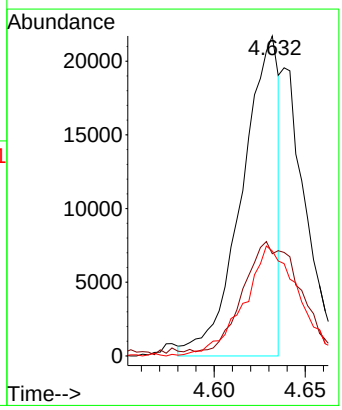


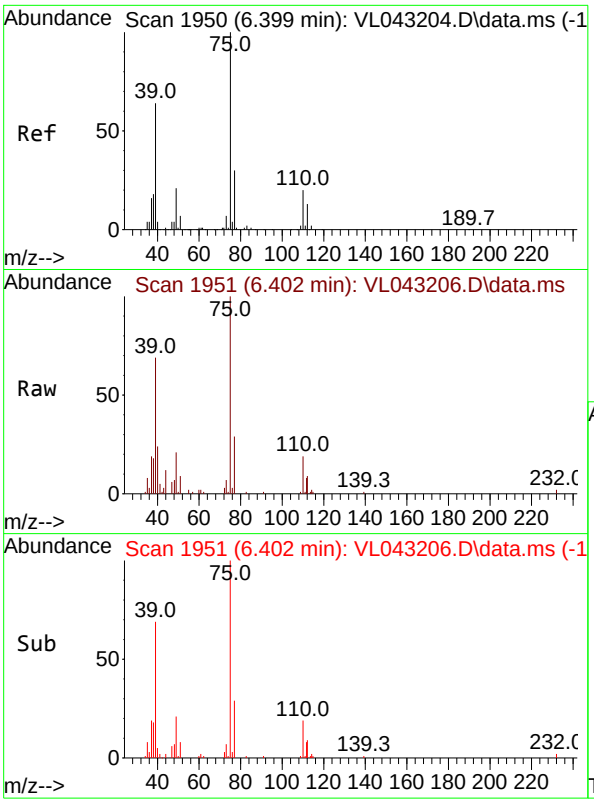


#44
2,2,4-Trimethylpentane
Concen: 0.662 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 57 Resp: 30372

Ion	Ratio	Lower	Upper
57	100		
41	61.1	28.0	42.0#
56	51.9	25.6	38.4#



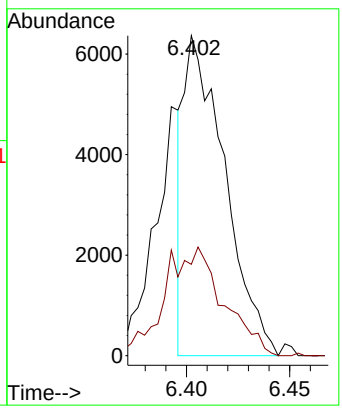


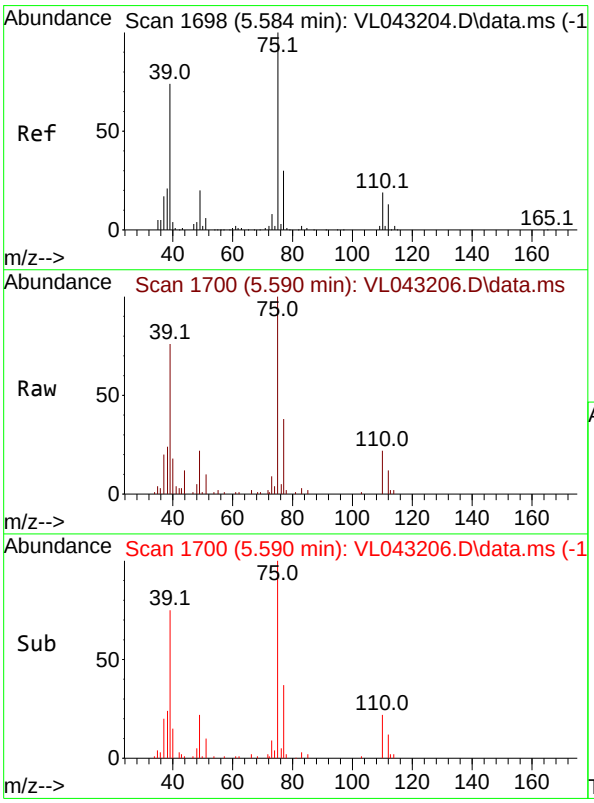
#45
t-1,3-Dichloropropene
Concen: 0.663 ppbv
RT: 6.402 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 8750

Ion	Ratio	Lower	Upper
75	100		
77	28.5	24.3	36.5

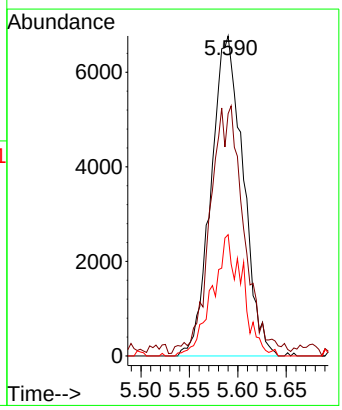


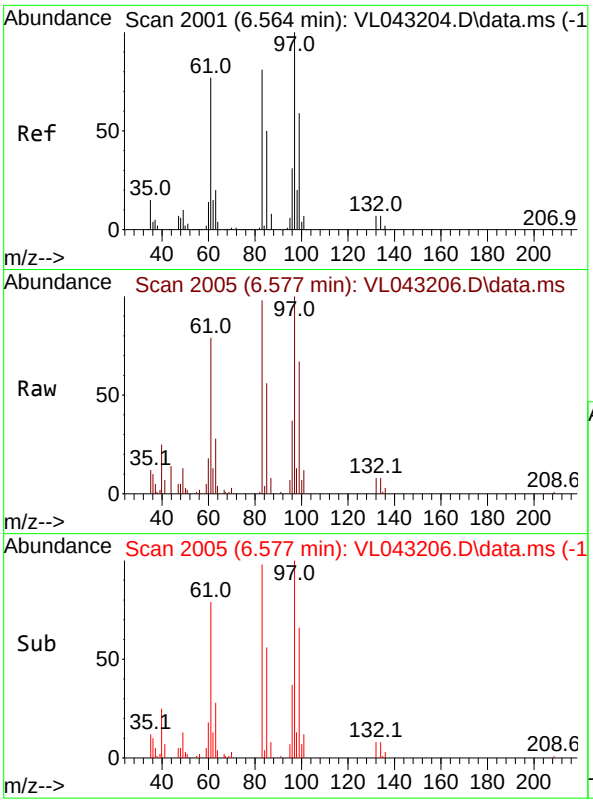


#46
cis-1,3-Dichloropropene
Concen: 1.001 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 75 Resp: 15527

Ion	Ratio	Lower	Upper
75	100		
39	72.5	59.1	88.7
77	37.9	24.2	36.2#



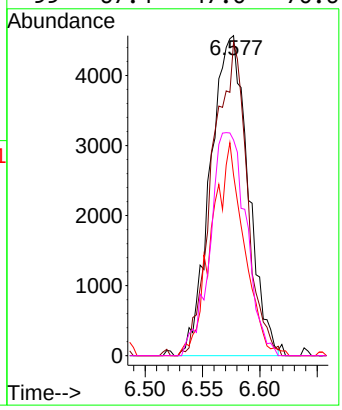


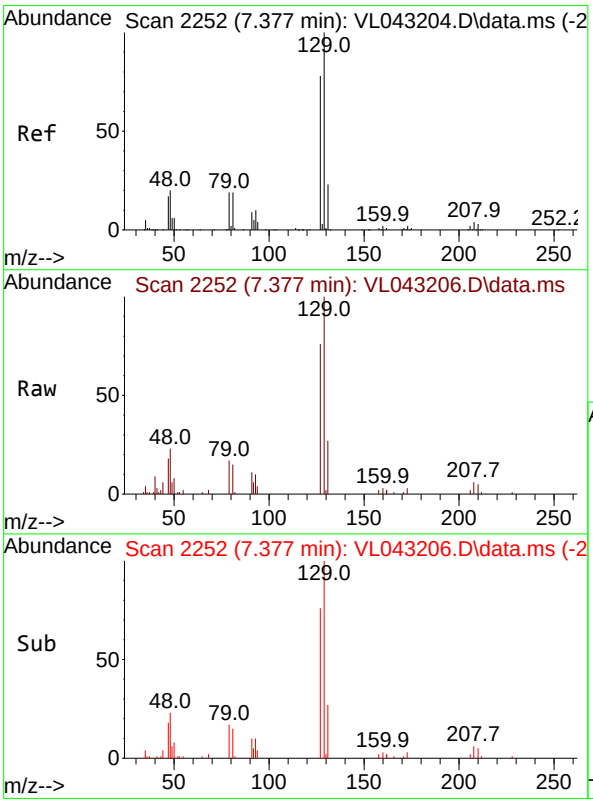
#47
1,1,2-Trichloroethane
Concen: 0.995 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 10369

Ion	Ratio	Lower	Upper
97	100		
83	97.9	64.6	97.0#
85	56.4	39.4	59.2
99	67.4	47.0	70.6

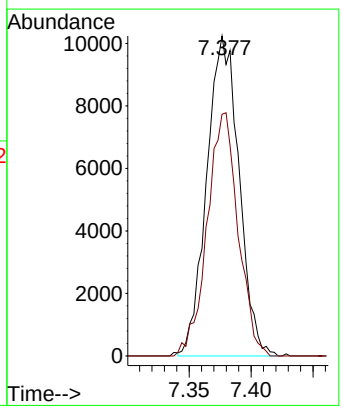


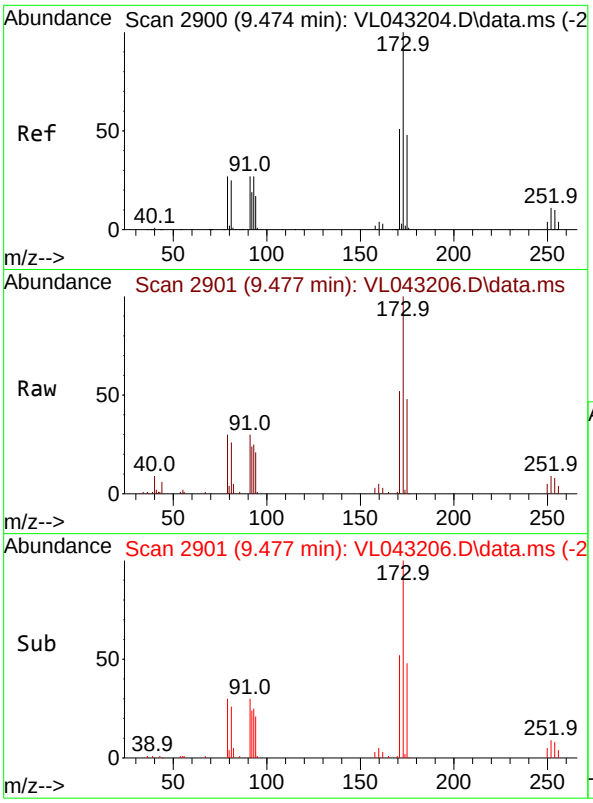


#48
Dibromochloromethane
Concen: 1.041 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:129 Resp: 18560

Ion	Ratio	Lower	Upper
129	100		
127	72.8	39.3	117.9



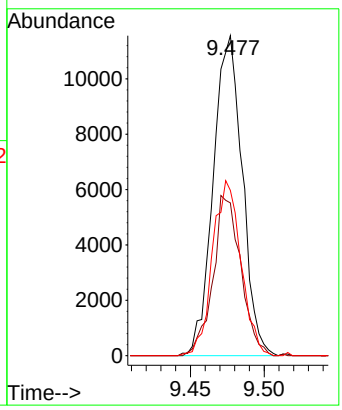


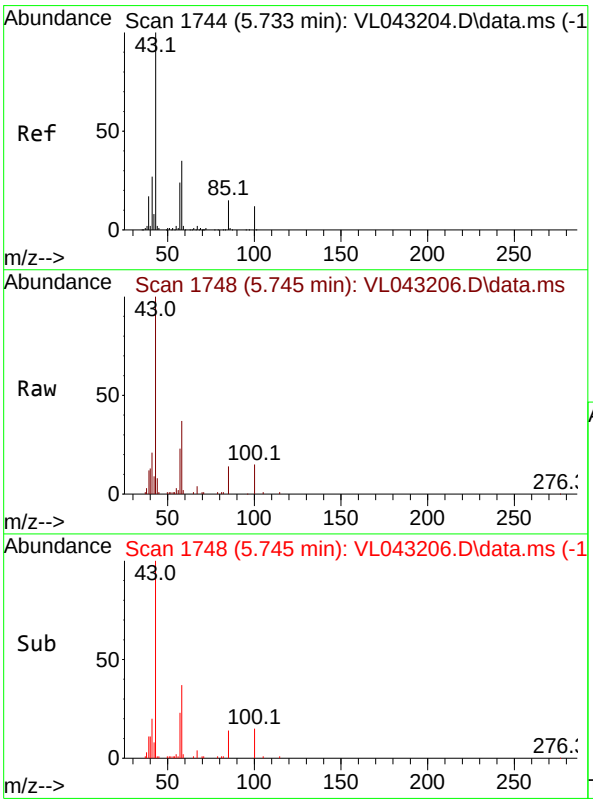
#49
Bromoform
Concen: 1.004 ppbv
RT: 9.477 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 15858

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.6	58.0
171	53.5	40.6	61.0

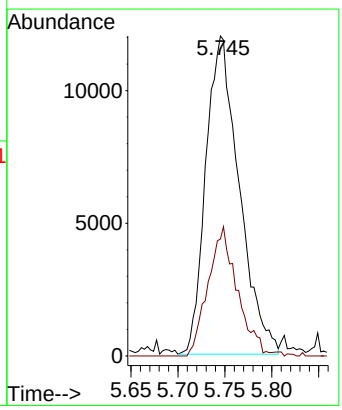


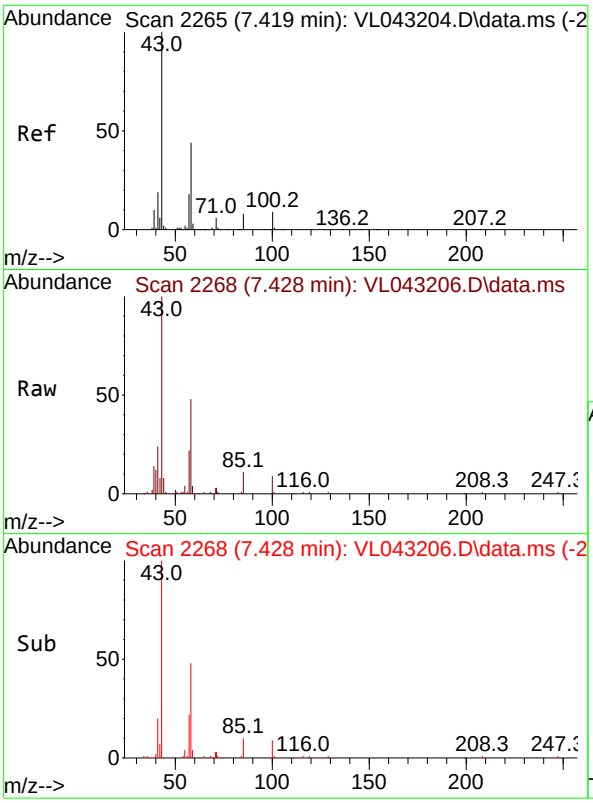


#50
4-Methyl-2-Pentanone
Concen: 1.067 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.013 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 43 Resp: 29560

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.4	42.6



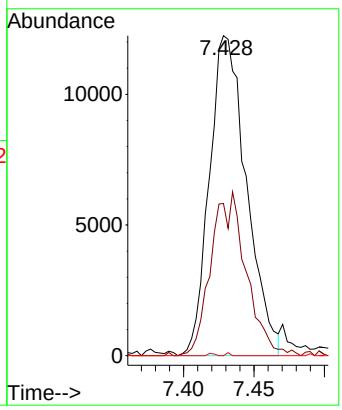


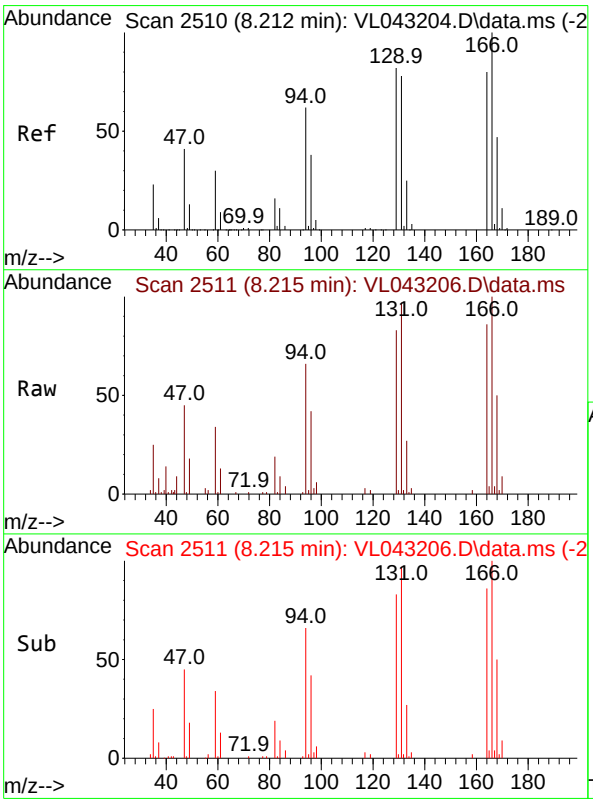
#51
2-Hexanone
Concen: 1.043 ppbv
RT: 7.428 min Scan# 2
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 22438

Ion	Ratio	Lower	Upper
43	100		
58	49.4	38.4	57.6
98	0.2	0.0	0.0#

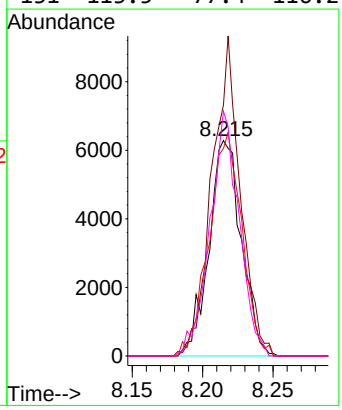


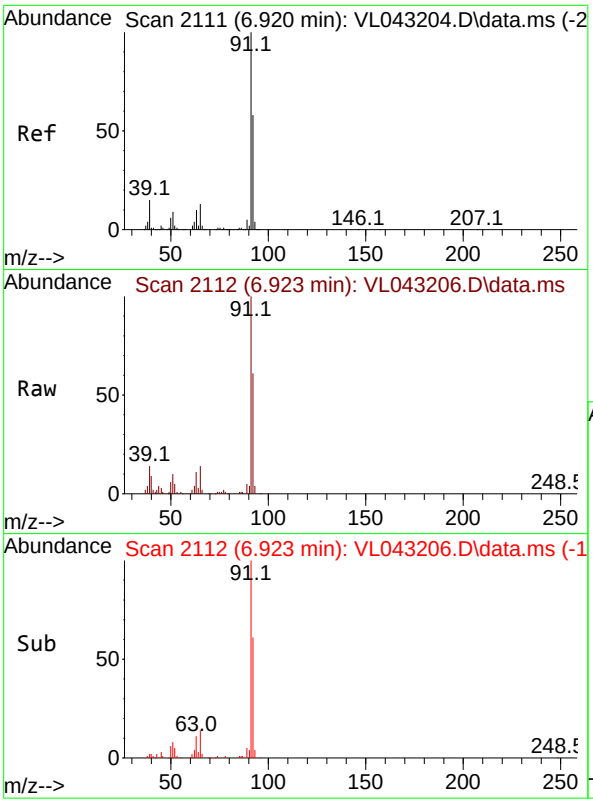


#52
Tetrachloroethene
Concen: 1.015 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:164 Resp: 10080

Ion	Ratio	Lower	Upper
164	100		
166	116.5	99.4	149.2
129	96.3	81.8	122.8
131	113.5	77.4	116.2



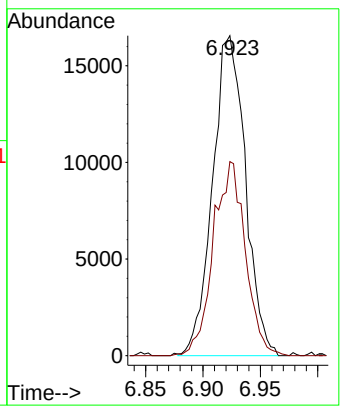


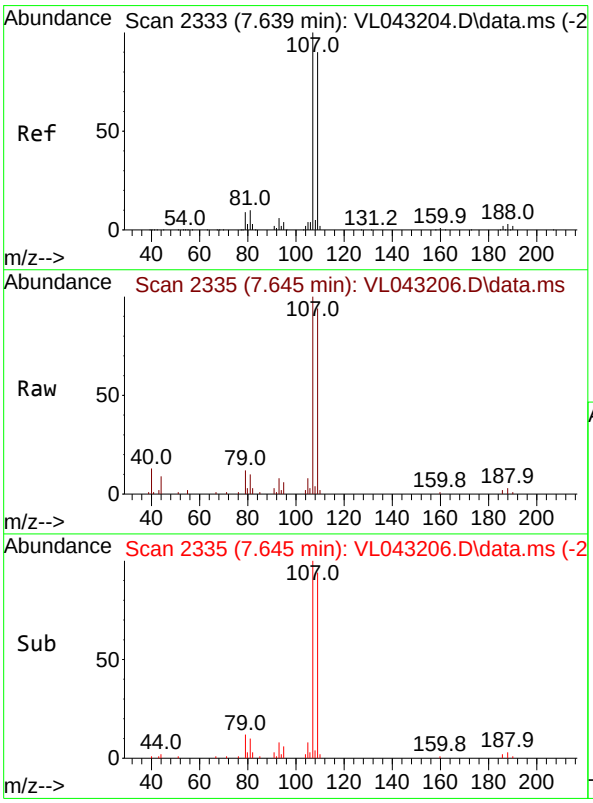
#53
Toluene
Concen: 1.036 ppbv
RT: 6.923 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 32951

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.4	71.0

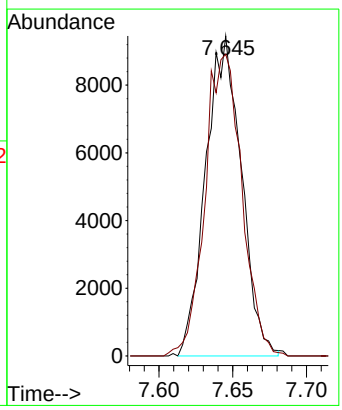


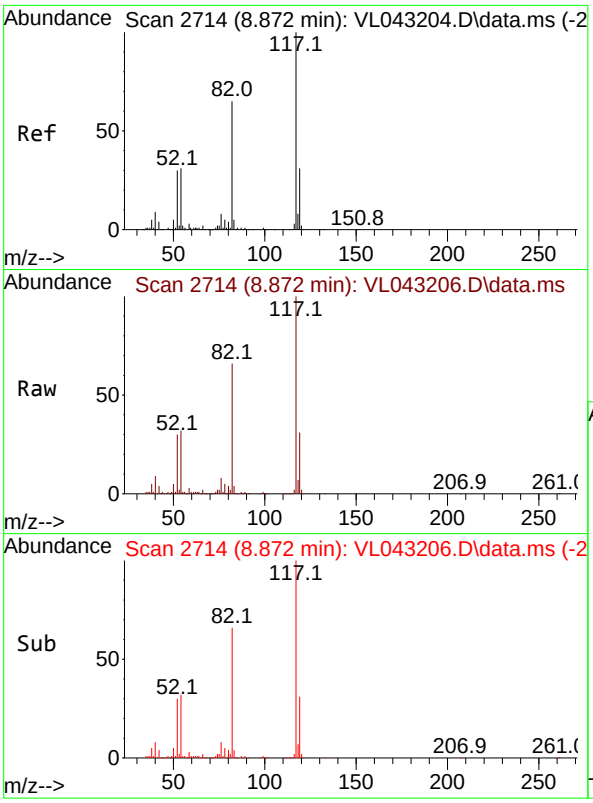


#54
1,2-Dibromoethane
Concen: 1.040 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:107 Resp: 15865

Ion	Ratio	Lower	Upper
107	100		
109	93.3	72.1	108.1



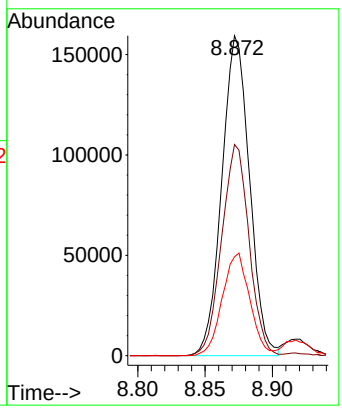


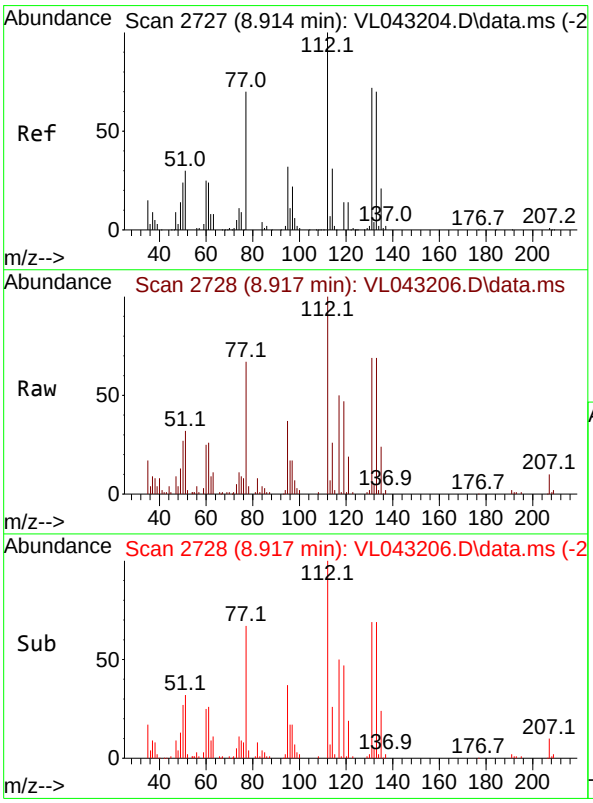
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 227998

Ion	Ratio	Lower	Upper
117	100		
82	66.2	56.1	84.1
119	32.1	25.0	37.6

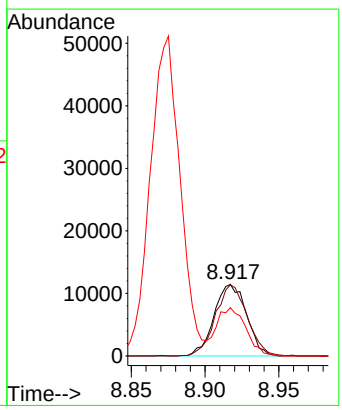


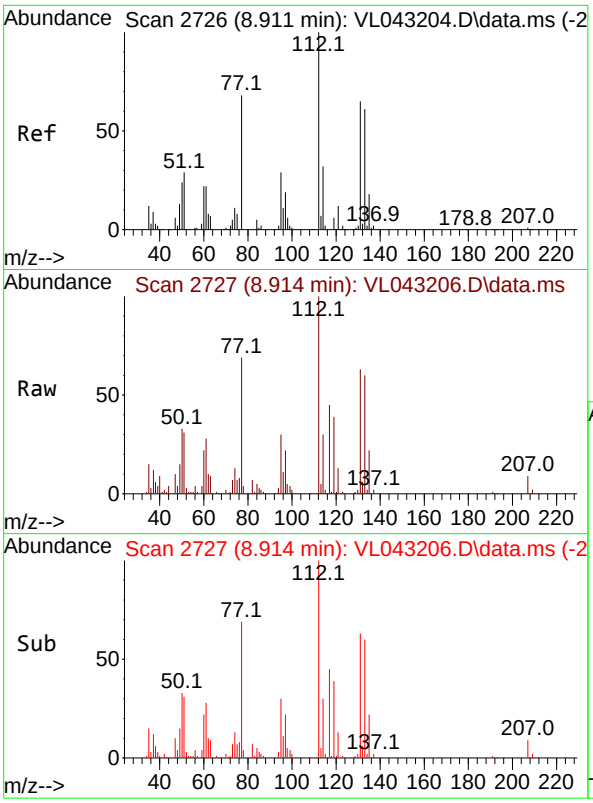


#56
1,1,1,2-Tetrachloroethane
Concen: 1.046 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:131 Resp: 17535

Ion	Ratio	Lower	Upper
131	100		
133	97.3	77.4	116.2
119	60.6	49.1	73.7



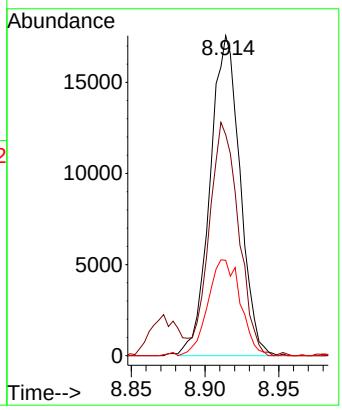


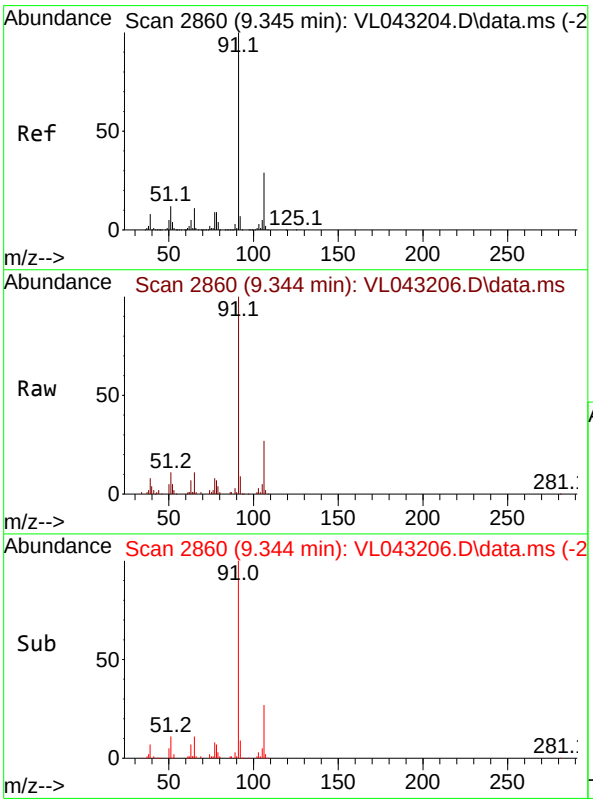
#57
Chlorobenzene
Concen: 1.060 ppbv
RT: 8.914 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 24806

Ion	Ratio	Lower	Upper
112	100		
77	68.6	55.5	83.3
114	29.8	29.1	35.5

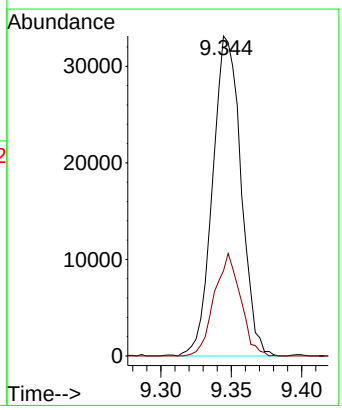


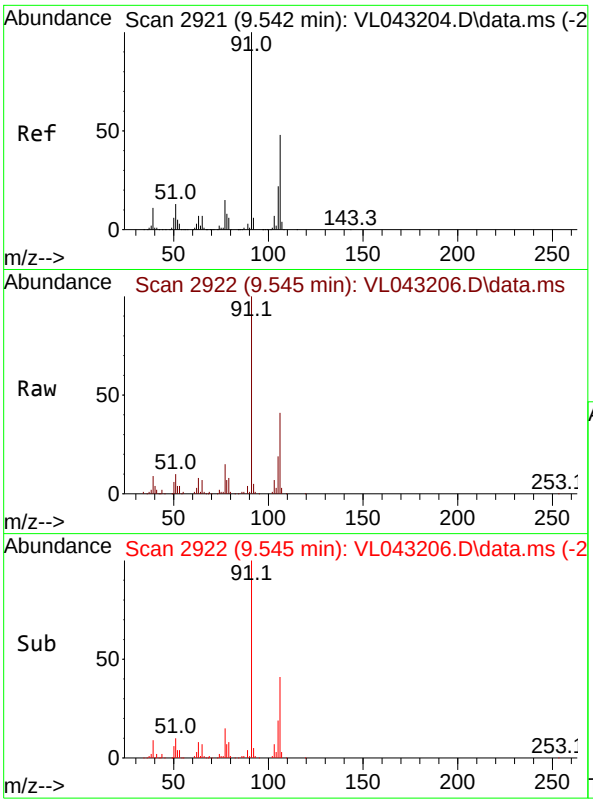


#58
Ethyl Benzene
Concen: 1.059 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 46455

Ion	Ratio	Lower	Upper
91	100		
106	26.6	22.8	34.2



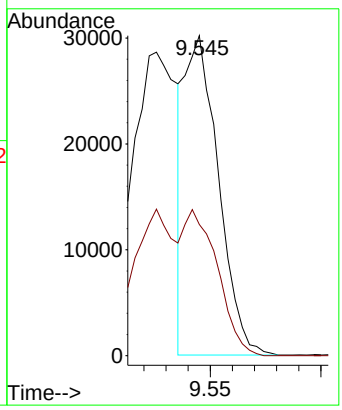


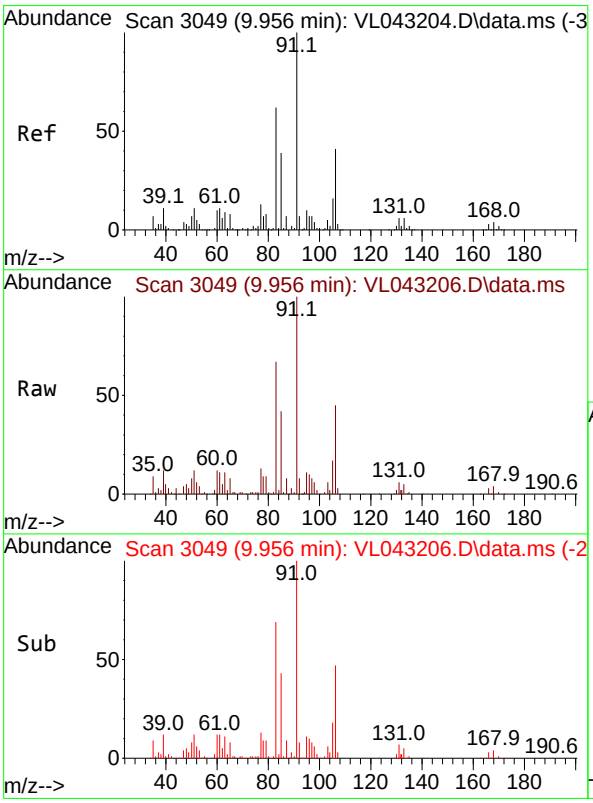
#59
m/p-Xylene
Concen: 0.911 ppbv
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 32159

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

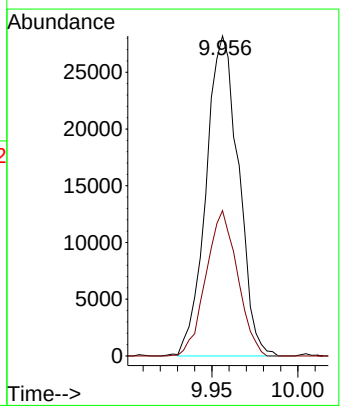


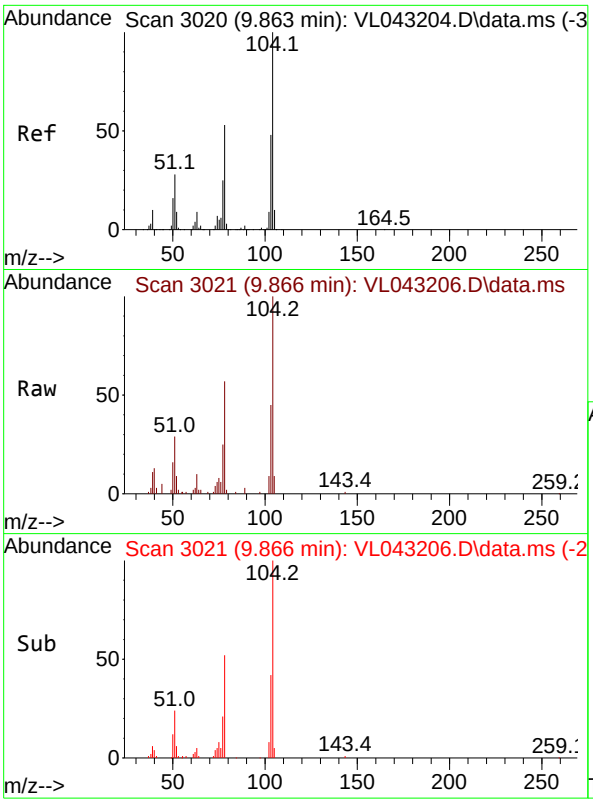


#60
o-Xylene
Concen: 1.054 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 37054

Ion	Ratio	Lower	Upper
91	100		
106	44.1	20.9	62.8



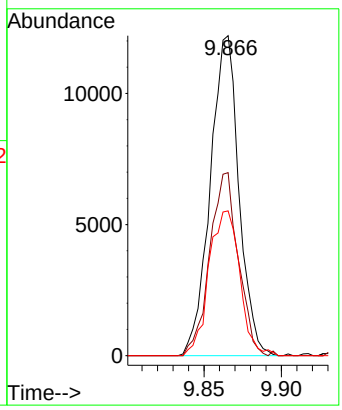


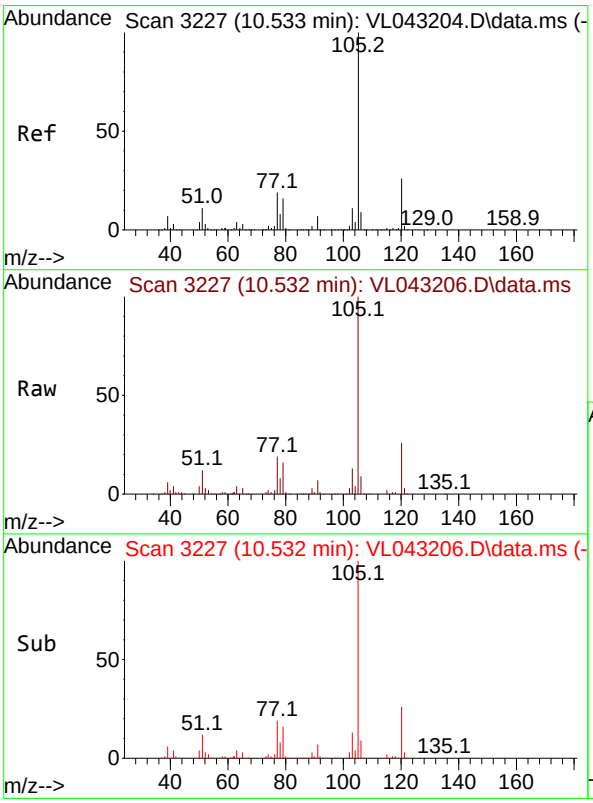
#61
Styrene
Concen: 1.023 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 15730

Ion	Ratio	Lower	Upper
104	100		
78	56.9	42.1	63.1
103	48.6	37.2	55.8

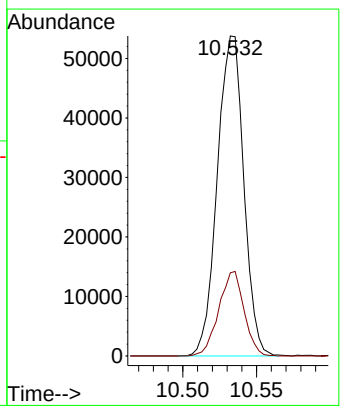


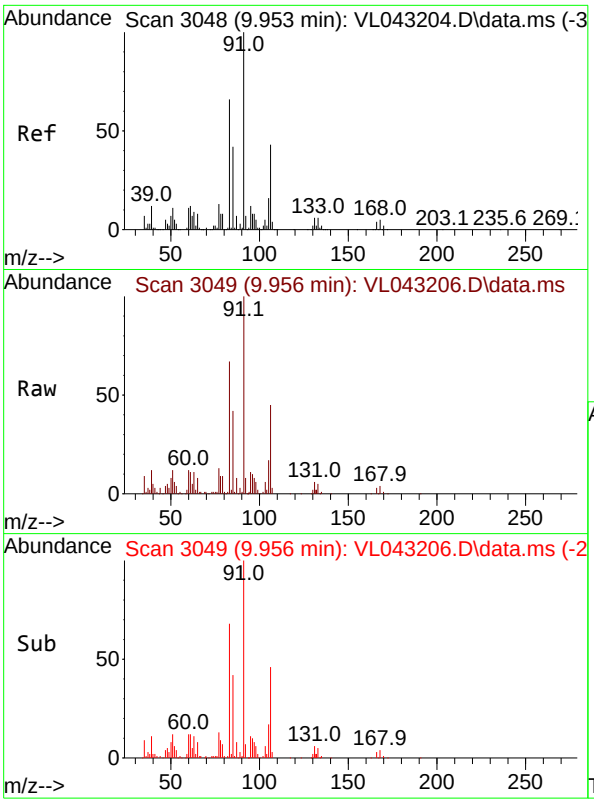


#62
Isopropylbenzene
Concen: 1.068 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 67163

Ion	Ratio	Lower	Upper
105	100		
120	25.2	19.8	29.8



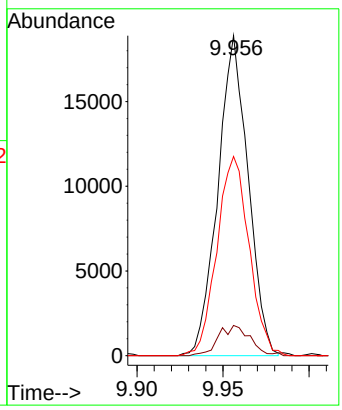


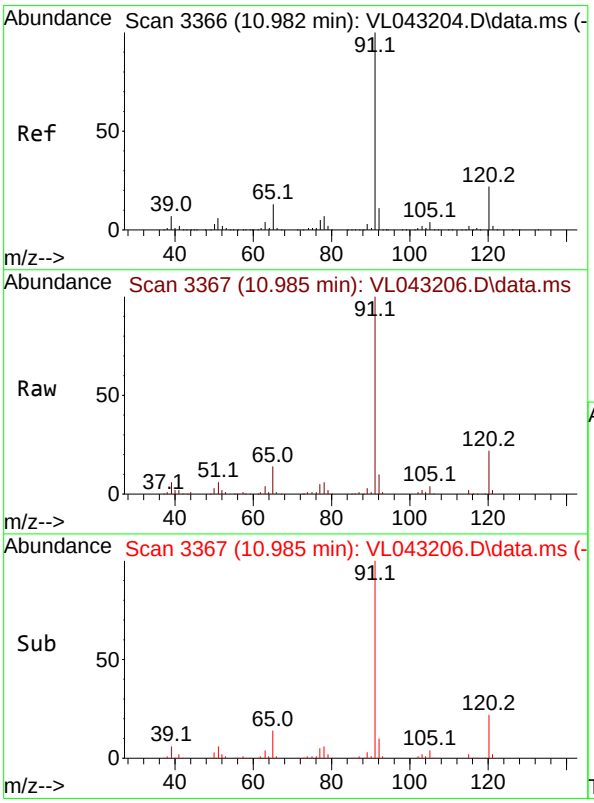
#63
1,1,2,2-Tetrachloroethane
Concen: 1.035 ppbv
RT: 9.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 23083

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	66.2	31.9	95.9

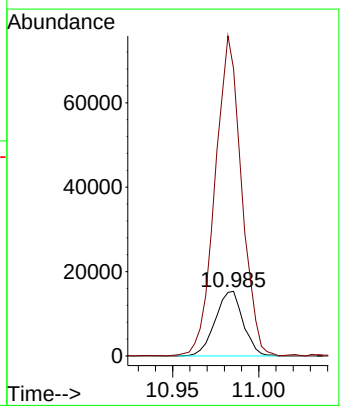


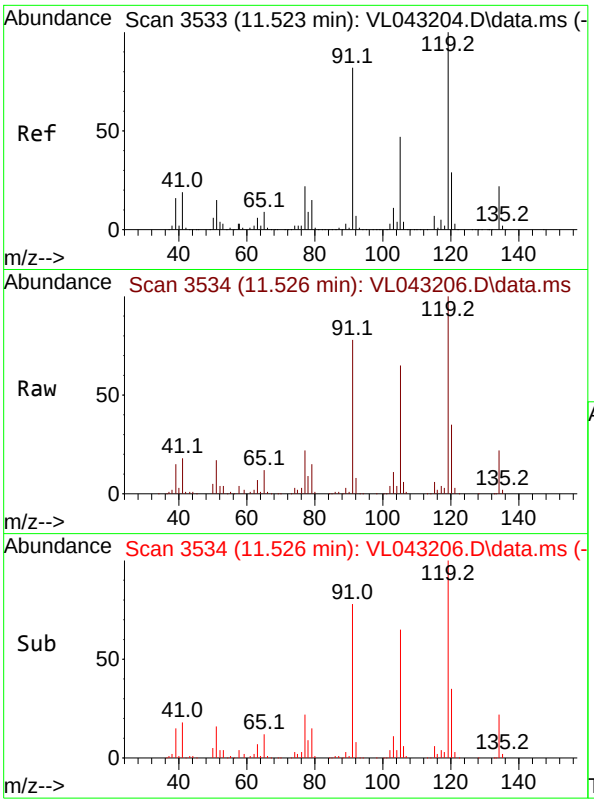


#64
n-propylbenzene
Concen: 1.070 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:120 Resp: 17289

Ion	Ratio	Lower	Upper
120	100		
91	471.4	377.1	565.7



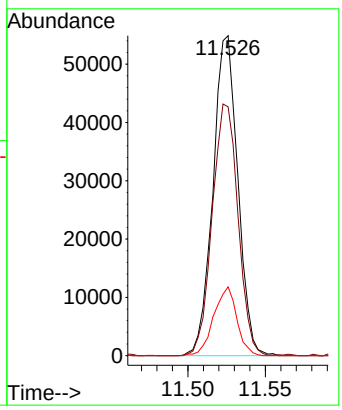


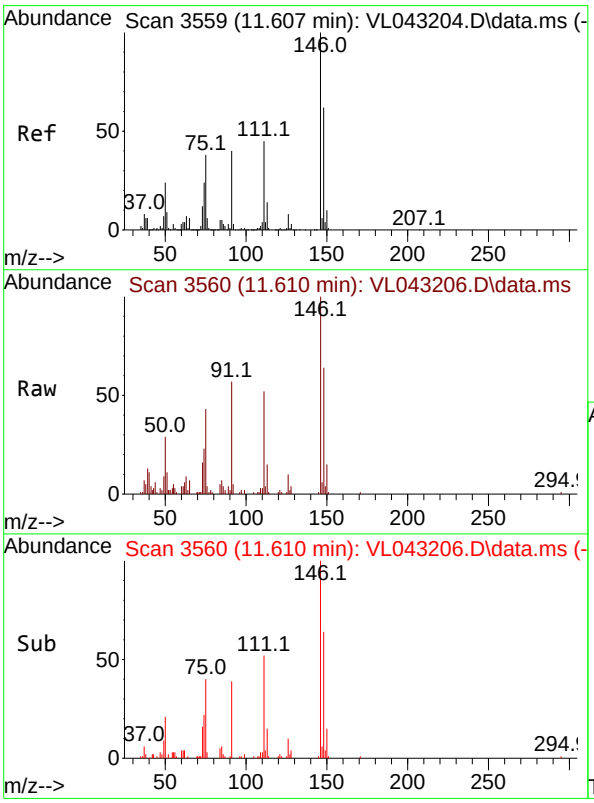
#65
tert-Butylbenzene
Concen: 1.091 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 61258

Ion	Ratio	Lower	Upper
119	100		
91	81.7	65.3	97.9
134	20.0	17.0	25.4

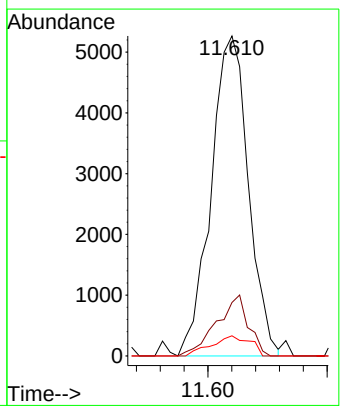


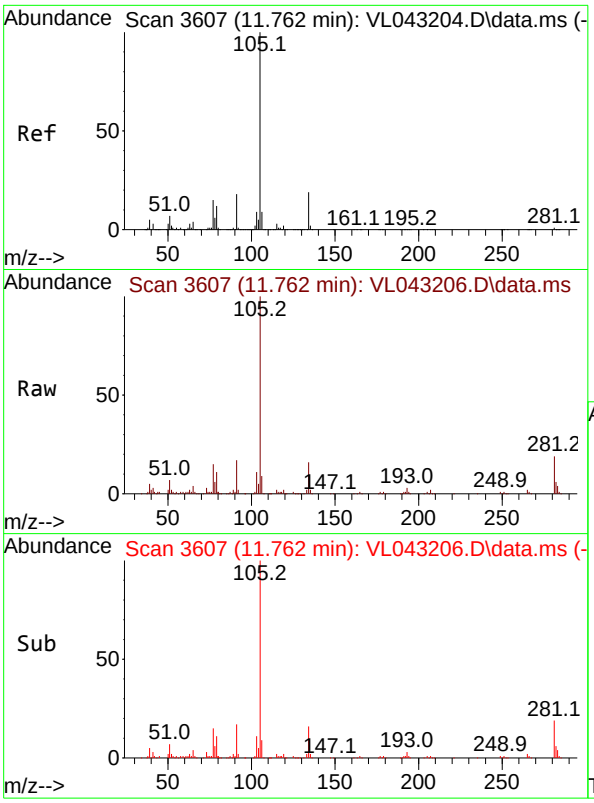


#66
Benzyl Chloride
Concen: 1.005 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 5729

Ion	Ratio	Lower	Upper
91	100		
126	16.3	14.4	21.6
128	6.5	4.6	6.8



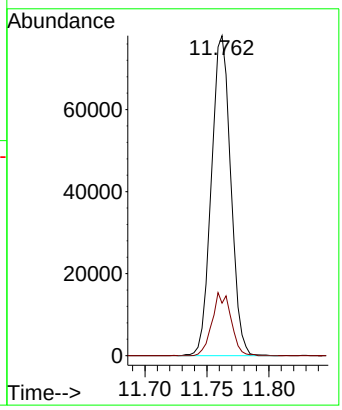


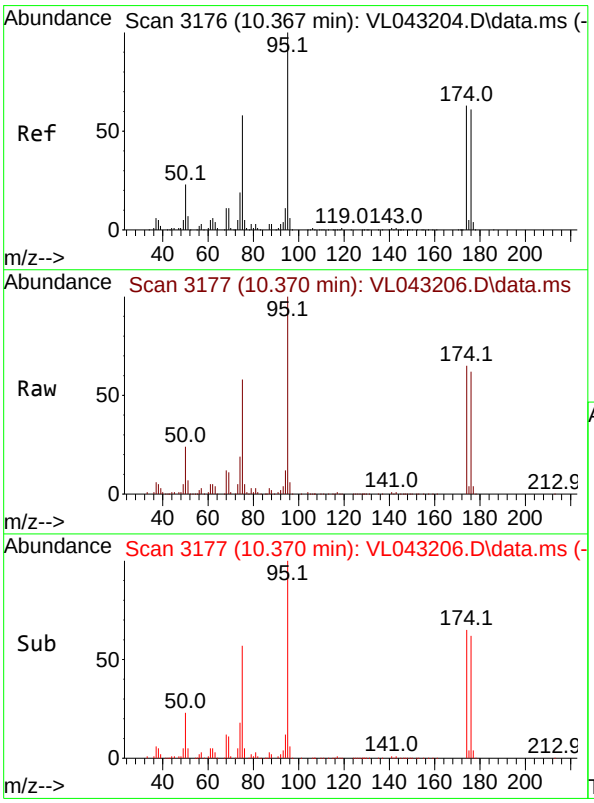
#67
sec-Butylbenzene
Concen: 1.084 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 84989

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.0	22.6

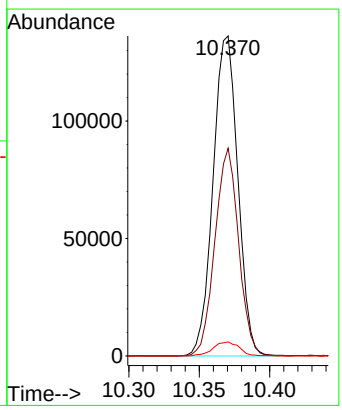


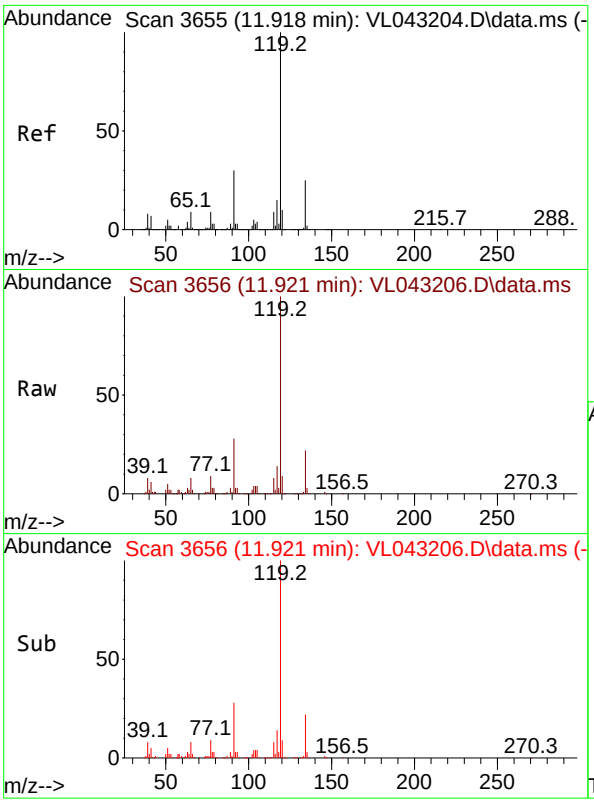


#68
1-Bromo-4-Fluorobenzene
Concen: 9.996 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 95 Resp: 167061

Ion	Ratio	Lower	Upper
95	100		
174	62.1	50.2	75.2
175	4.6	4.1	6.1



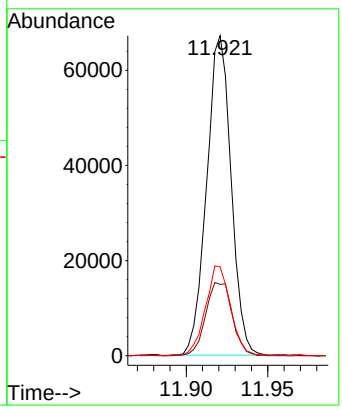


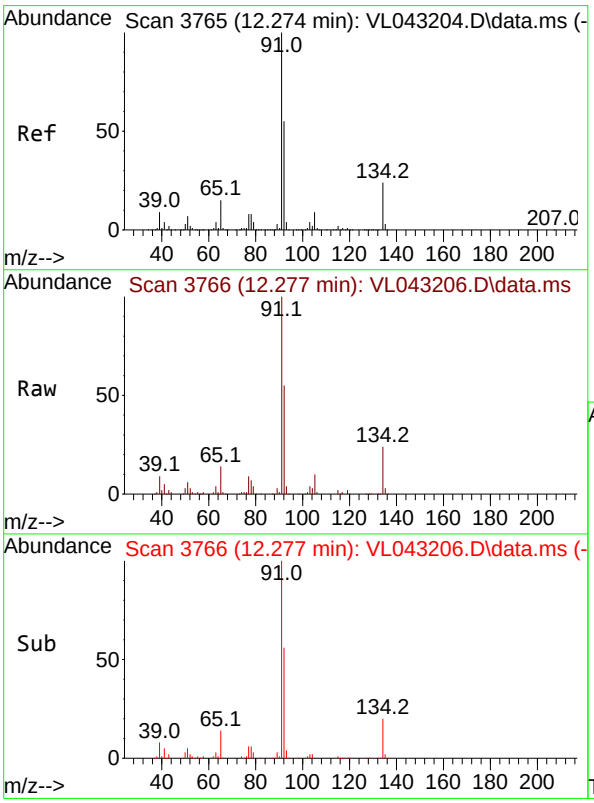
#69
p-Isopropyltoluene
Concen: 1.054 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 69993

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.2	30.2
91	28.9	23.8	35.8

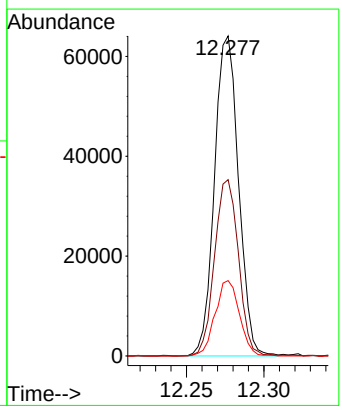


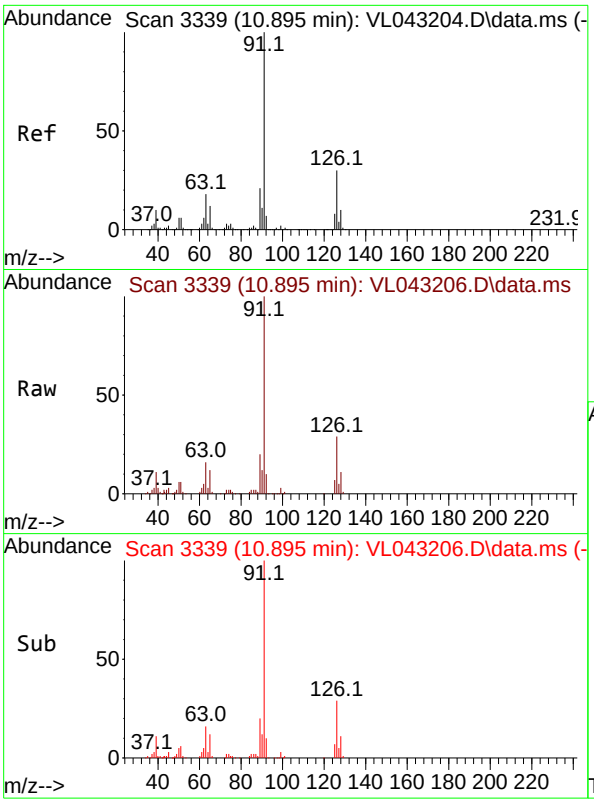


#70
n-Butylbenzene
Concen: 1.076 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 69323

Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.5	65.3
134	23.8	19.0	28.6



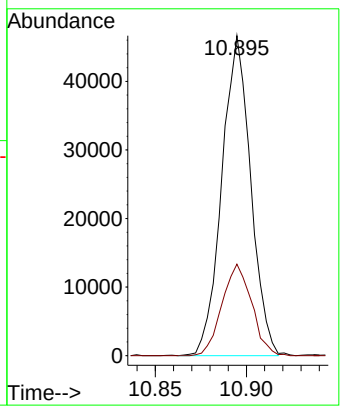


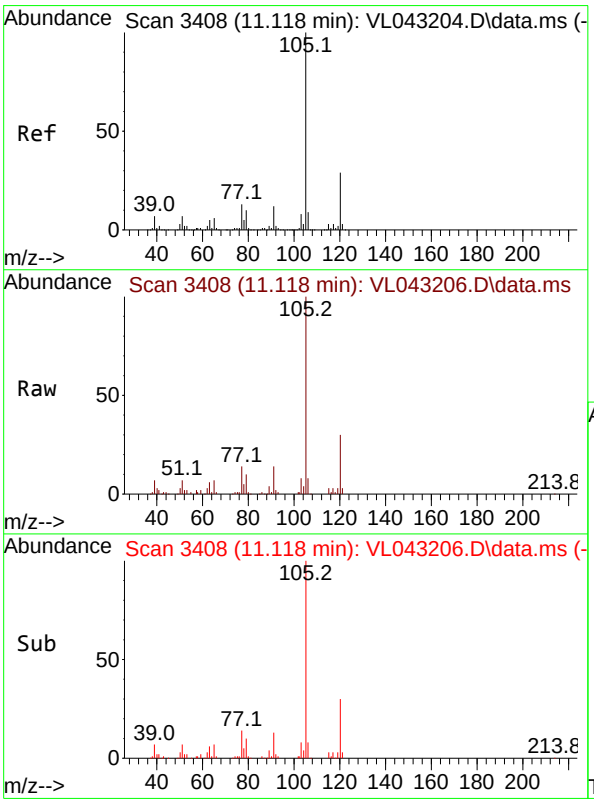
#71
2-Chlorotoluene
Concen: 1.065 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 51452

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.7	46.7

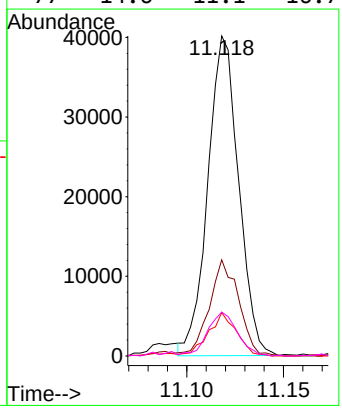


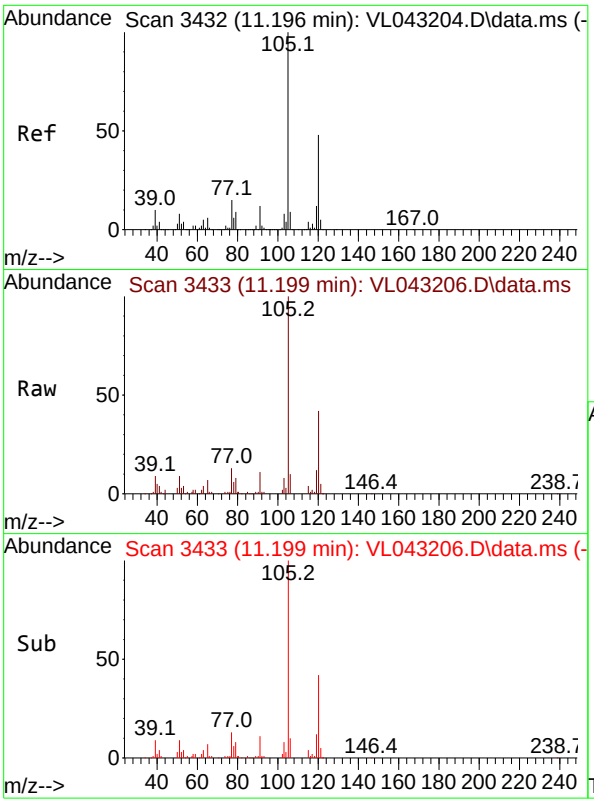


#72
4-Ethyltoluene
Concen: 1.037 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 44403

Ion	Ratio	Lower	Upper
105	100		
120	29.8	23.8	35.8
91	13.2	10.3	15.5
77	14.6	11.1	16.7



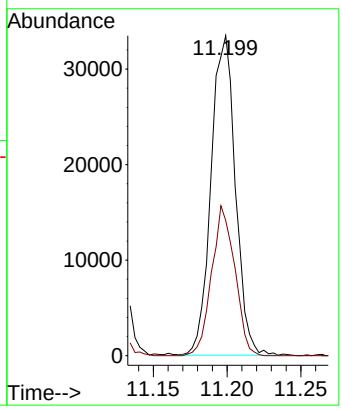


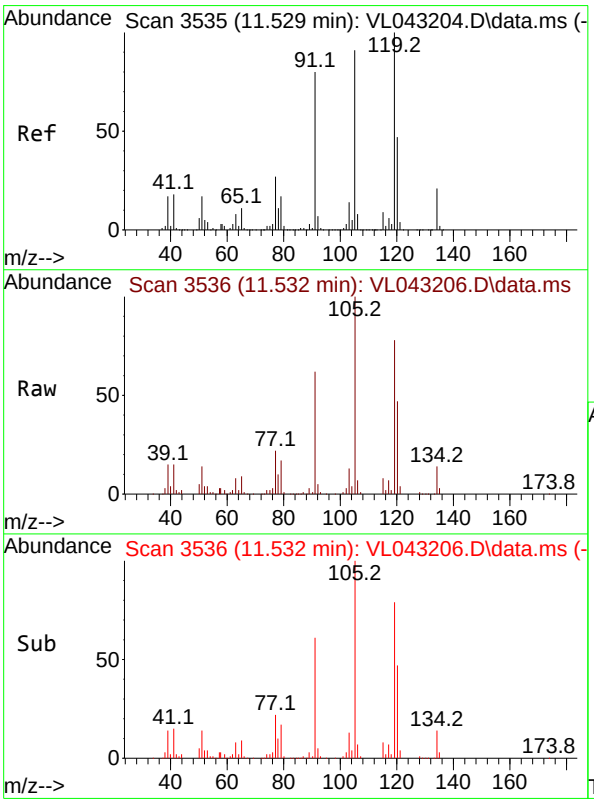
#73
1,3,5-Trimethylbenzene
Concen: 1.068 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 38350

Ion	Ratio	Lower	Upper
105	100		
120	42.3	38.6	57.8

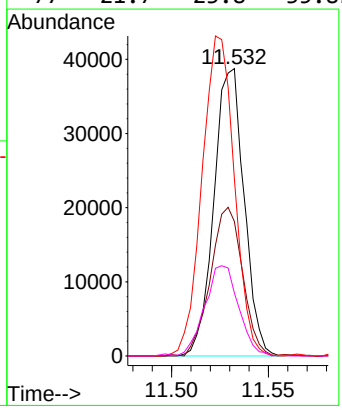


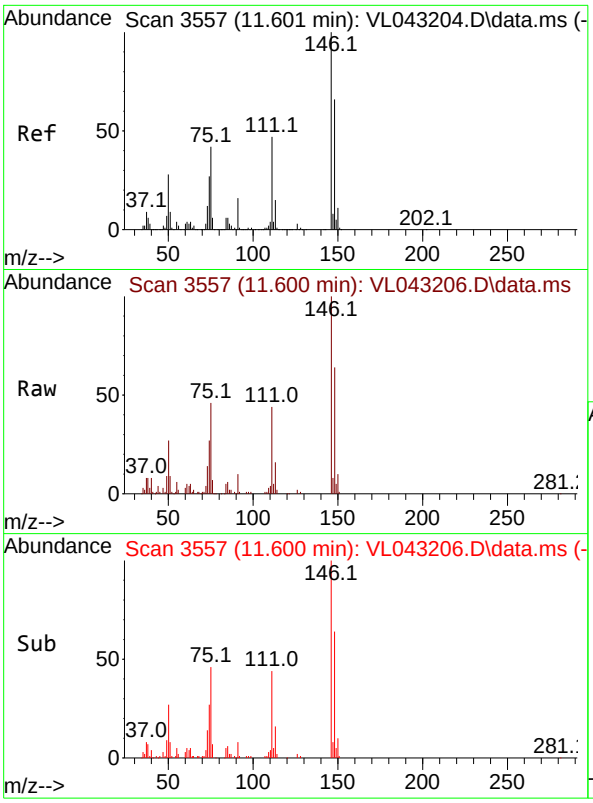


#74
1,2,4-Trimethylbenzene
Concen: 1.073 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 42051

Ion	Ratio	Lower	Upper
105	100		
120	46.8	41.7	62.5
91	61.4	70.0	105.0#
77	21.7	23.8	35.8#



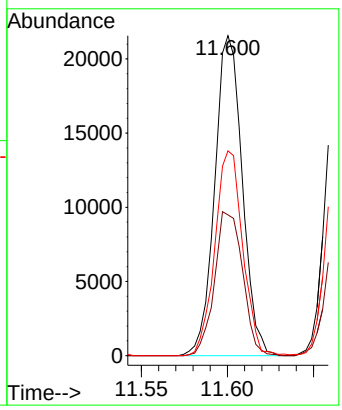


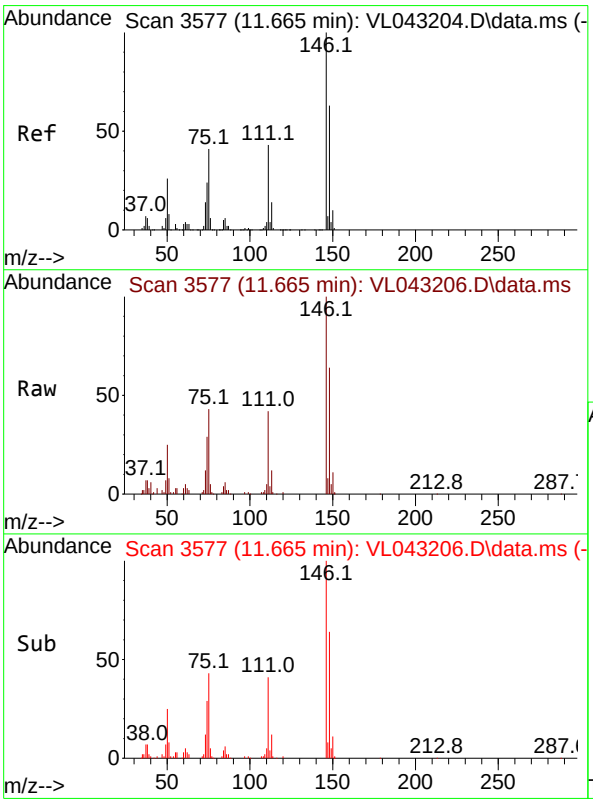
#75
1,3-Dichlorobenzene
Concen: 1.050 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 24011

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.4	70.3
148	64.7	31.6	95.0

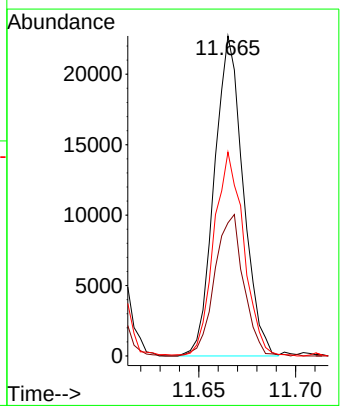


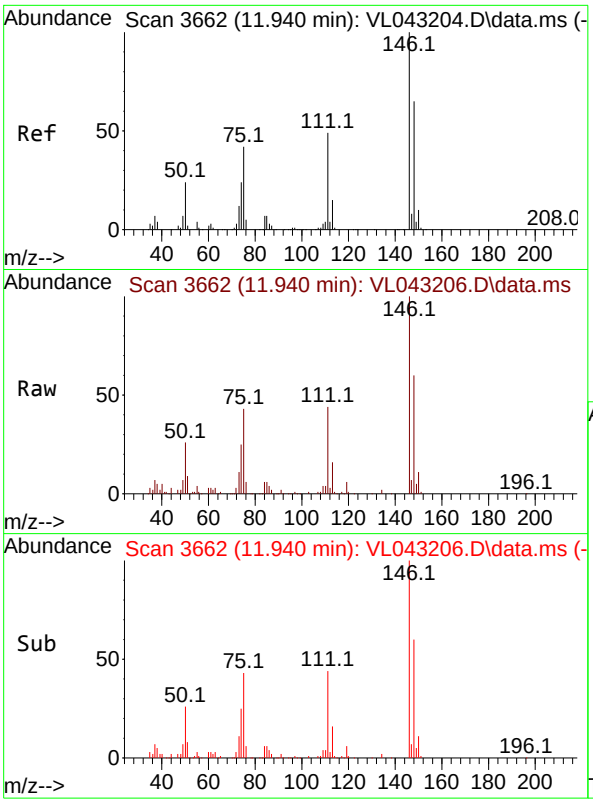


#76
1,4-Dichlorobenzene
Concen: 1.029 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:146 Resp: 23543

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.8	68.3
148	66.4	31.8	95.4



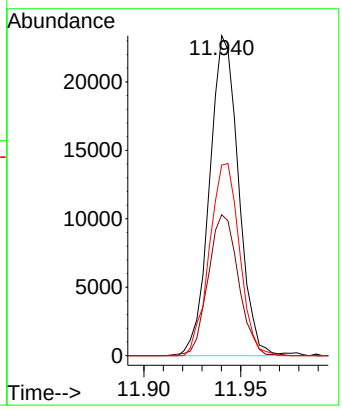


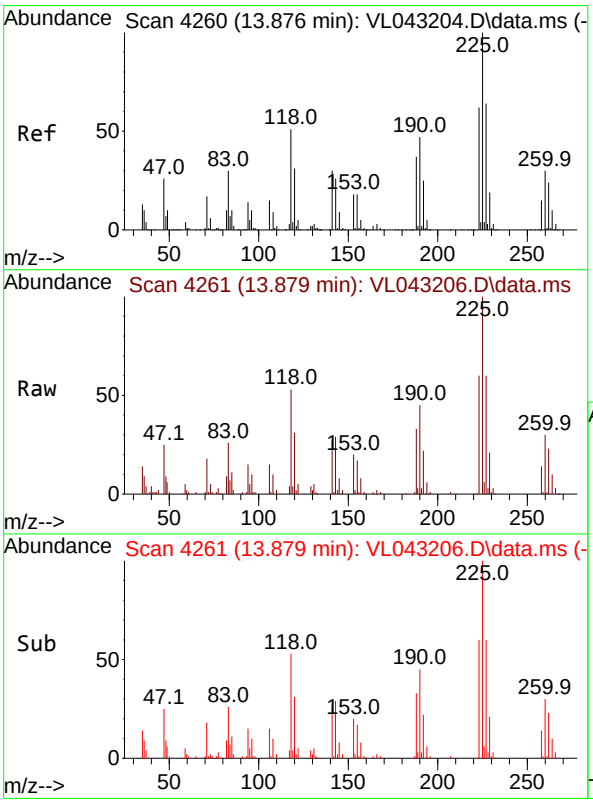
#77
1,2-Dichlorobenzene
Concen: 1.103 ppbv
RT: 11.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 24248

Ion	Ratio	Lower	Upper
146	100		
111	46.3	24.3	73.0
148	62.3	31.6	94.7

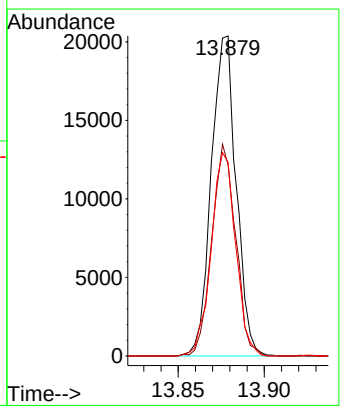


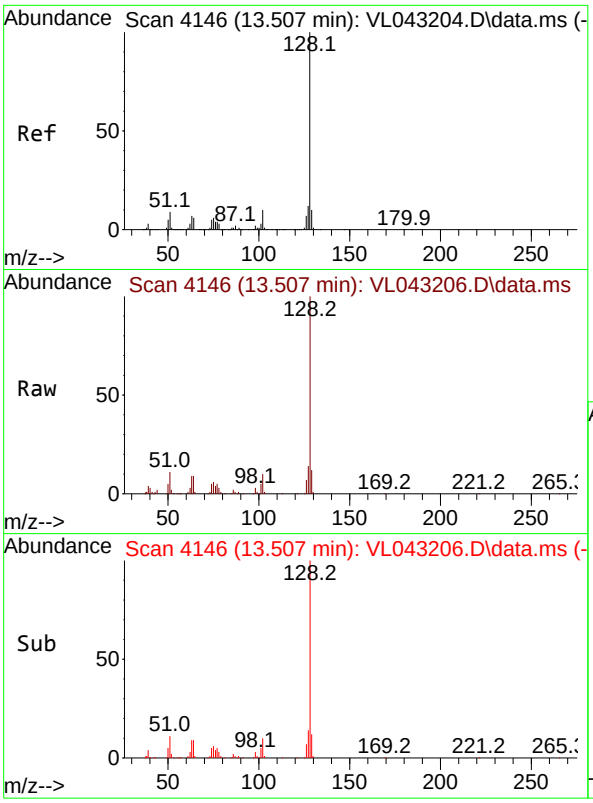


#78
Hexachloro-1,3-Butadiene
Concen: 1.116 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:225 Resp: 20489

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.2	75.4
227	62.5	51.1	76.7



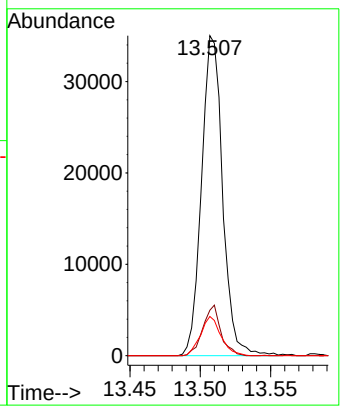


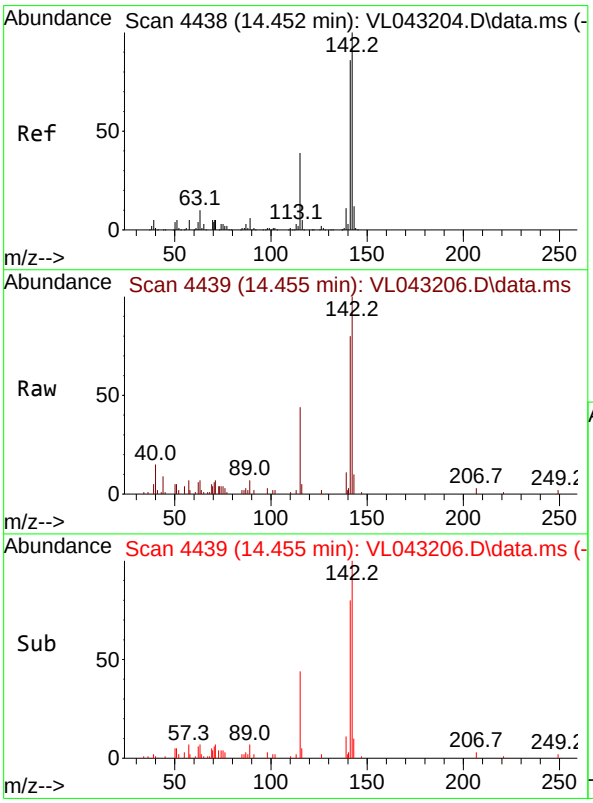
#79
Naphthalene
Concen: 1.047 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 36462

Ion	Ratio	Lower	Upper
128	100		
127	14.2	9.9	14.9
129	12.2	8.4	12.6

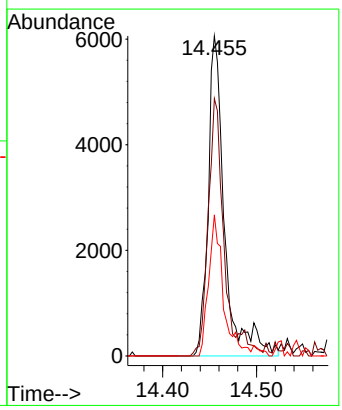


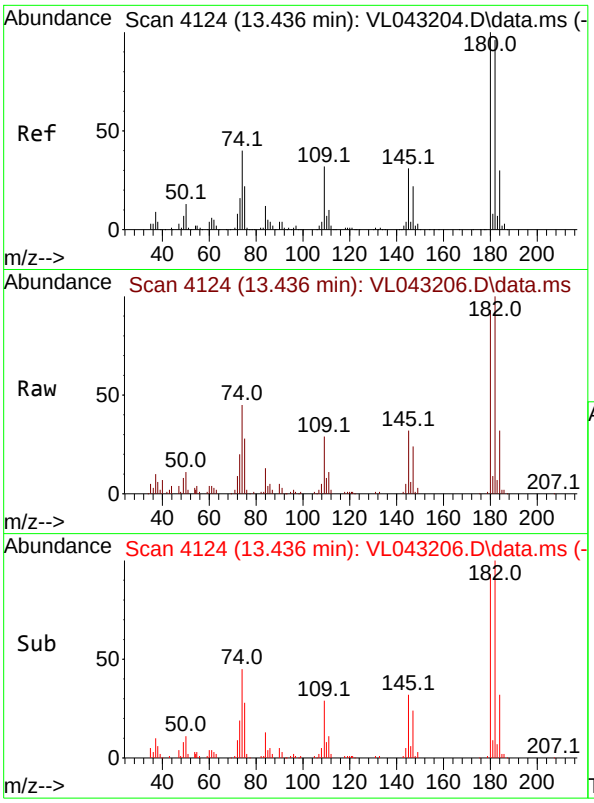


#80
Naphthalene,2-methyl-
Concen: 0.807 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:142 Resp: 7375

Ion	Ratio	Lower	Upper
142	100		
141	77.8	67.1	100.7
115	40.8	31.9	47.9



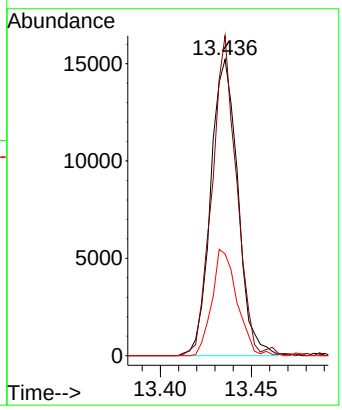


#81
1,2,4-Trichlorobenzene
Concen: 1.014 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 15785

Ion	Ratio	Lower	Upper
180	100		
182	98.2	77.4	116.2
184	33.4	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	101366	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	273996	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	222034	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	160968	9.890	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.554	85	1358	0.095	ppbv		99
3) Chlorodifluoromethane	1.476	51	1436	0.102	ppbv	#	52
4) Chloromethane	1.534	50	638	0.119	ppbv	#	82
5) Vinyl Chloride	1.580	62	664	0.114	ppbv		97
6) Bromomethane	1.667	94	352	0.124	ppbv		88
7) Chloroethane	1.706	64	275	0.121	ppbv		94
8) Dichlorotetrafluoroethane	1.554	85	1358	0.114	ppbv	#	78
9) Propene	1.486	41	811	0.124	ppbv	#	1
10) Heptane	4.972	43	480	0.027	ppbv	#	1
11) Trichlorofluoromethane	1.877	101	1744	0.126	ppbv		87
12) 1,1,2-Trichlorotrifluo...	2.140	101	1249	0.115	ppbv		98
13) Ethanol	1.887	45	1141	0.543	ppbv		75
14) Bromoethene	1.780	108	456	0.110	ppbv	#	71
15) Acetone	1.835	43	2574	0.183	ppbv		96
16) 1,3-Butadiene	1.609	39	1049	0.167	ppbv	#	57
17) tert-Butyl alcohol	2.039	59	2464	0.133	ppbv	#	30
18) 1,1-Dichloroethene	2.033	96	620	0.123	ppbv		81
19) Isopropyl Alcohol	1.887	45	1141	0.143	ppbv	#	55
20) Methylene Chloride	2.062	84	3550	0.077	ppbv		91
21) Allyl Chloride	2.097	41	1553	0.164	ppbv	#	45
22) trans-1,2-Dichloroethene	2.033	96	620	0.108	ppbv		96
23) Vinyl Acetate	2.460	43	2093	0.123	ppbv	#	92
24) 1,1-Dichloroethane	2.408	63	1242	0.112	ppbv	#	82
25) Ethyl Acetate	2.832	43	3043	0.100	ppbv	#	93
26) Hexane	2.822	57	1613	0.121	ppbv		93
27) Carbon Disulfide	2.152	76	1422	0.105	ppbv	#	1
28) Methyl tert-Butyl Ether	2.437	73	585	0.089	ppbv	#	50
29) Chloroform	2.845	83	2028	0.107	ppbv		92
30) Cyclohexane	3.845	84	893	0.080	ppbv	#	1
31) cis-1,2-Dichloroethene	2.719	61	1331	0.101	ppbv	#	89
32) 1,1,1-Trichloroethane	3.369	97	999	0.049	ppbv	#	11
34) 2-Butanone	2.560	43	2593	0.134	ppbv		96
35) Carbon Tetrachloride	3.761	117	901	0.043	ppbv	#	88
36) Benzene	3.651	78	1569	0.060	ppbv	#	79
37) 1,2-Dichloroethane	3.214	62	1537	0.100	ppbv		100
38) Trichloroethene	4.541	130	502	0.049	ppbv	#	29
39) 1,2-Dichloropropane	3.949	63	69214	7.207	ppbv	#	25
40) 1,4-Dioxane	4.596	88	308	0.071	ppbv	#	16
41) Tetrahydrofuran	3.062	42	868	0.081	ppbv	#	62
42) Bromodichloromethane	4.493	83	806	0.038	ppbv		95
43) Methyl Methacrylate	4.865	69	396	0.028	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.625	57	4980	0.110	ppbv	#	81
45) t-1,3-Dichloropropene	6.405	75	645	0.050	ppbv		94

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

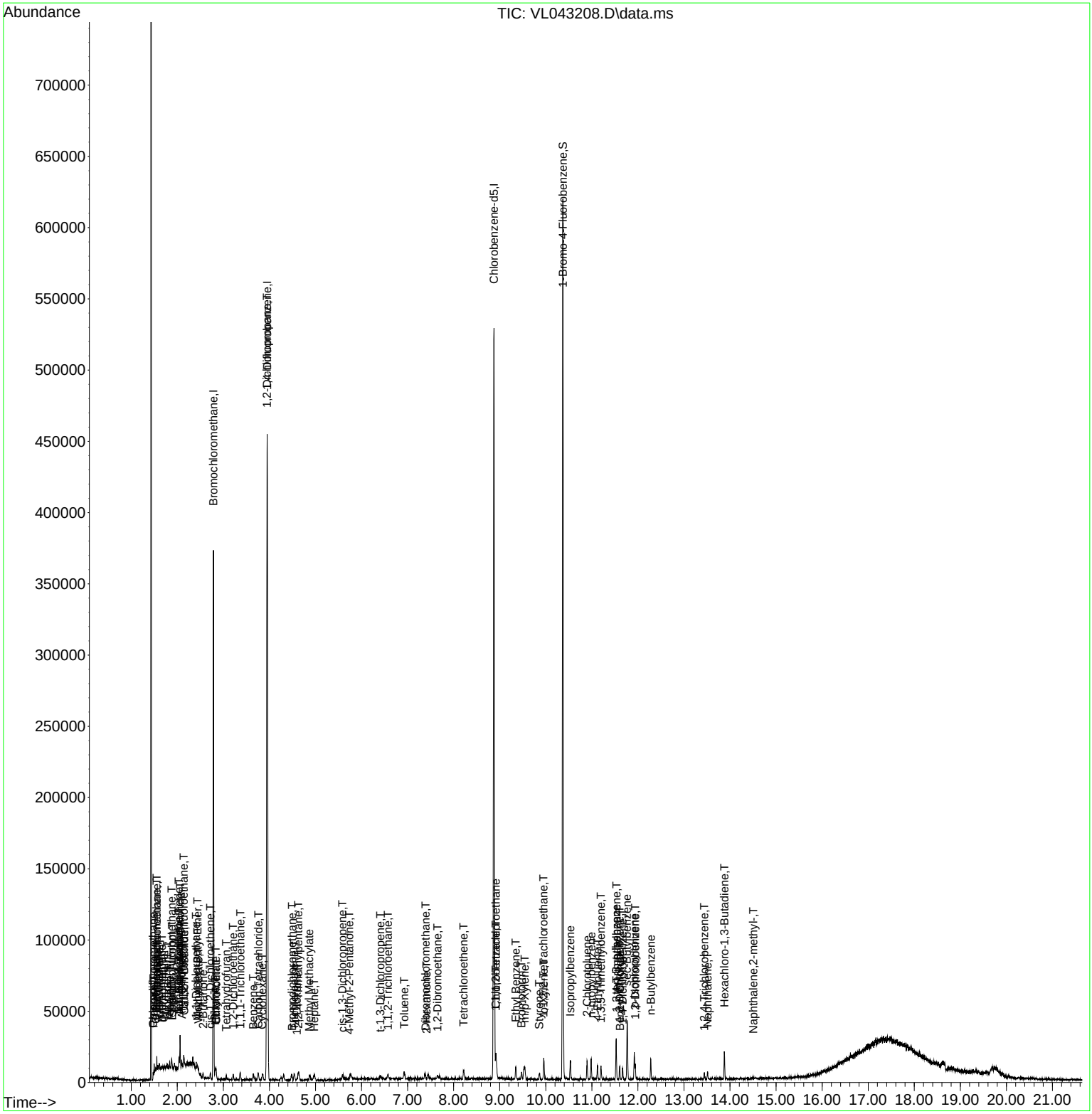
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.583	75	359	0.024	ppbv	#	72
47) 1,1,2-Trichloroethane	6.574	97	347	0.034	ppbv	#	51
48) Dibromochloromethane	7.389	129	237	0.014	ppbv	#	1
49) Bromoform	9.474	173	1357	0.087	ppbv	#	84
50) 4-Methyl-2-Pentanone	5.732	43	149	0.005	ppbv	#	39
51) 2-Hexanone	7.415	43	83	0.004	ppbv	#	29
52) Tetrachloroethene	8.218	164	248	0.025	ppbv	#	61
53) Toluene	6.927	91	734	0.023	ppbv	#	21
54) 1,2-Dibromoethane	7.648	107	719	0.048	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.914	131	760	0.047	ppbv	#	9
57) Chlorobenzene	8.917	112	1955	0.086	ppbv	#	81
58) Ethyl Benzene	9.348	91	5157	0.121	ppbv	#	86
59) m/p-Xylene	9.545	91	3099	0.090	ppbv	#	31
60) o-Xylene	9.956	91	3453	0.101	ppbv		91
61) Styrene	9.859	104	1176	0.079	ppbv	#	49
62) Isopropylbenzene	10.532	105	6313	0.103	ppbv		96
63) 1,1,2,2-Tetrachloroethane	9.953	83	1380	0.064	ppbv	#	58
64) n-propylbenzene	10.989	120	1635	0.104	ppbv		87
65) tert-Butylbenzene	11.529	119	5745	0.105	ppbv		91
66) Benzyl Chloride	11.613	91	125	0.023	ppbv	#	65
67) sec-Butylbenzene	11.762	105	7764	0.102	ppbv		94
69) p-Isopropyltoluene	11.921	119	6425	0.099	ppbv		99
70) n-Butylbenzene	12.280	91	5160	0.082	ppbv		93
71) 2-Chlorotoluene	10.898	91	5248	0.111	ppbv		93
72) 4-Ethyltoluene	11.124	105	4061	0.097	ppbv		96
73) 1,3,5-Trimethylbenzene	11.196	105	3445	0.098	ppbv		92
74) 1,2,4-Trimethylbenzene	11.536	105	1485	0.039	ppbv	#	73
75) 1,3-Dichlorobenzene	11.604	146	1935	0.087	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	2131	0.096	ppbv		89
77) 1,2-Dichlorobenzene	11.943	146	2051	0.096	ppbv		96
78) Hexachloro-1,3-Butadiene	13.876	225	1837	0.103	ppbv	#	89
79) Naphthalene	13.510	128	2112	0.062	ppbv	#	87
80) Naphthalene,2-methyl-	14.507	142	309	0.035	ppbv	#	65
81) 1,2,4-Trichlorobenzene	13.439	180	350	0.023	ppbv	#	12

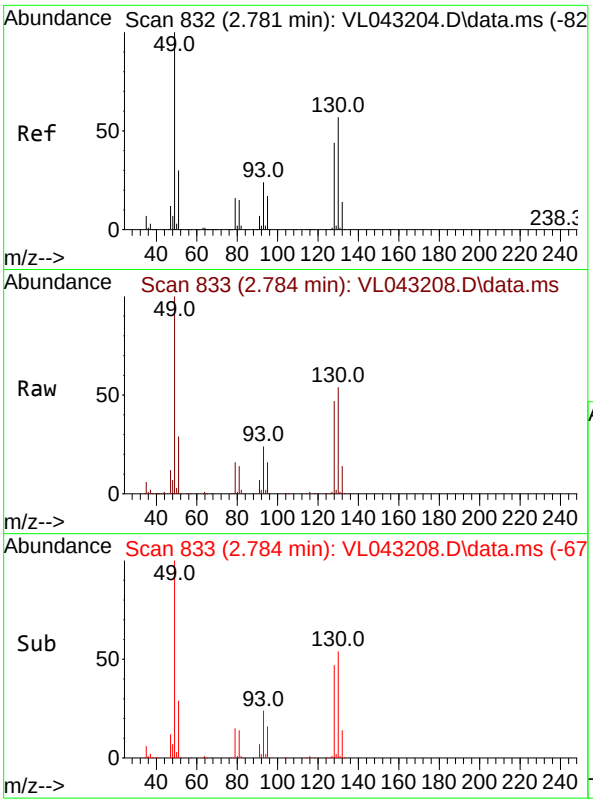
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043208.D
Acq On : 18 Nov 2025 12:16
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



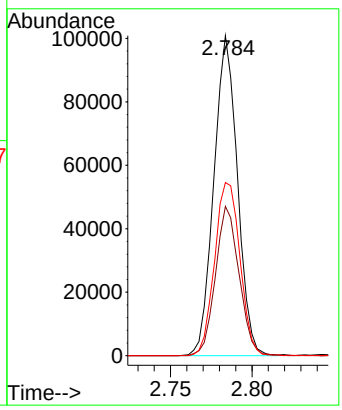


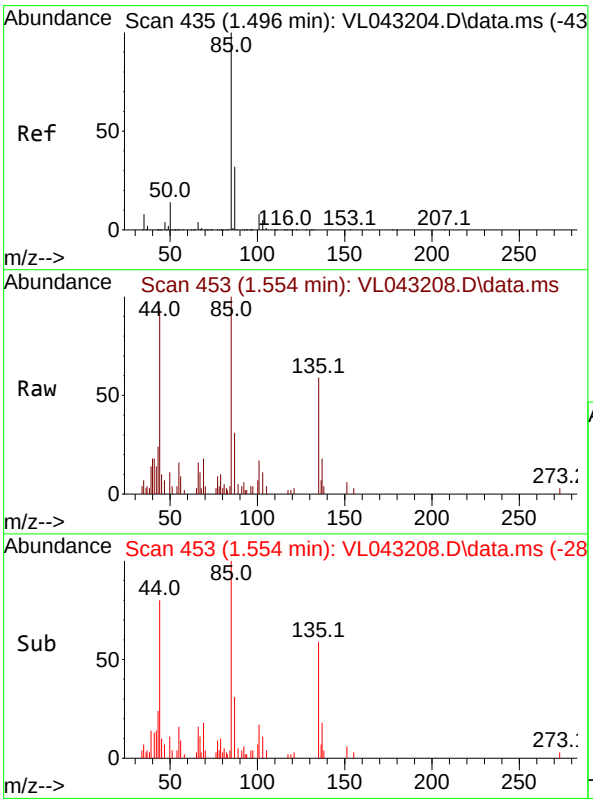
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 101366

Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.0	69.0
130	58.3	29.9	89.7

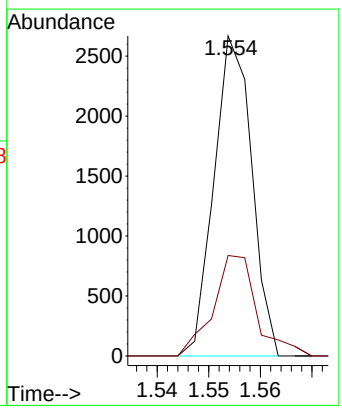


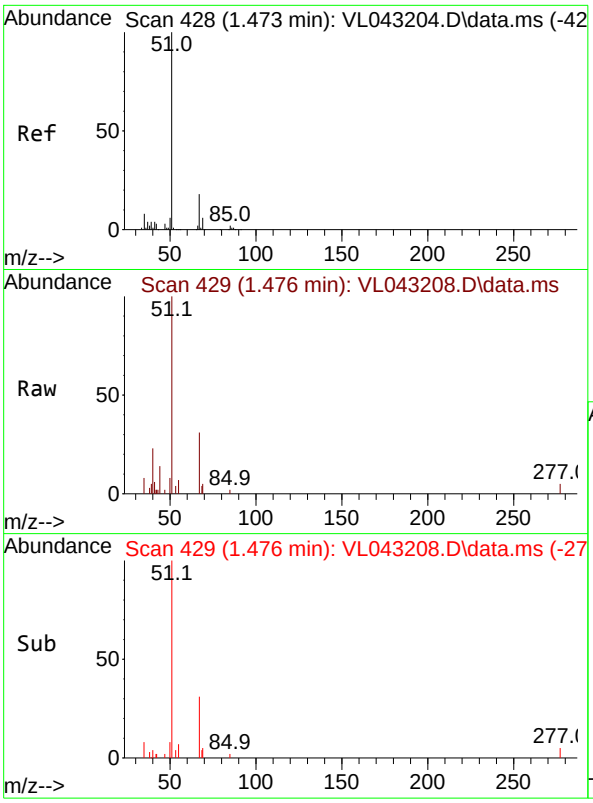


#2
Dichlorodifluoromethane
Concen: 0.095 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.058 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 85 Resp: 1358

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.4	38.2



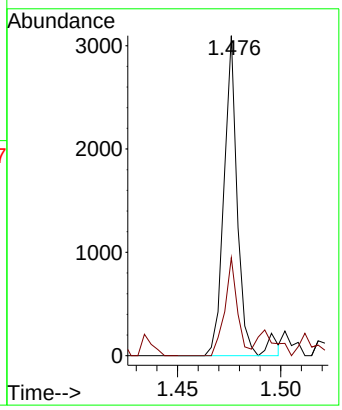


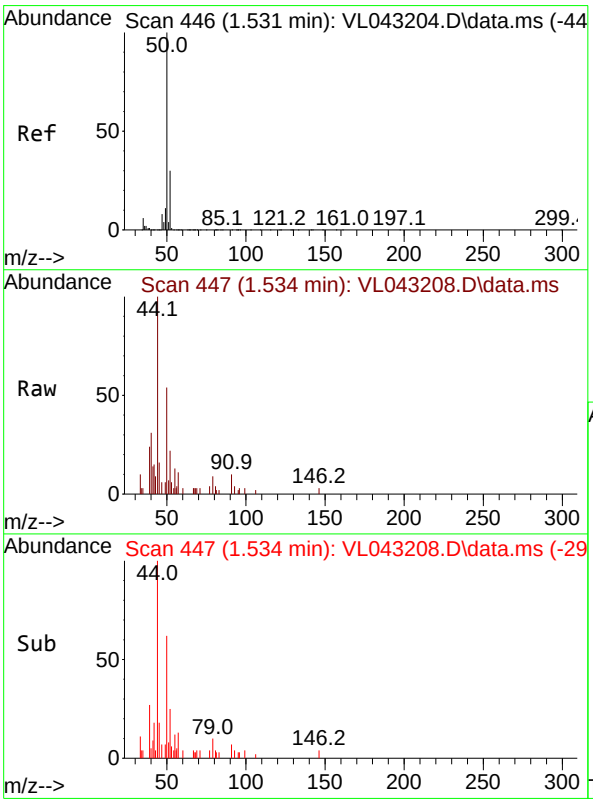
#3
Chlorodifluoromethane
Concen: 0.102 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 1436

Ion	Ratio	Lower	Upper
51	100		
67	40.2	14.9	22.3#

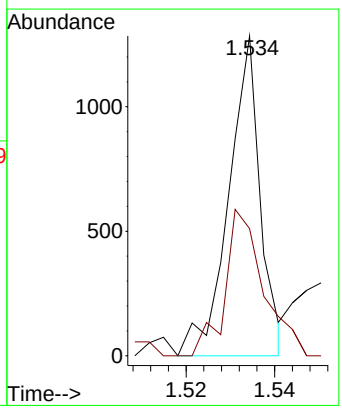


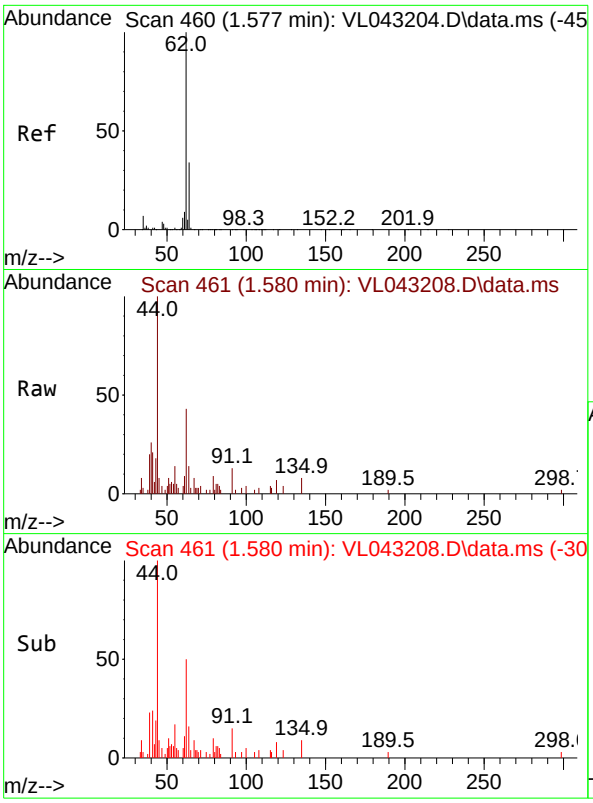


#4
Chloromethane
Concen: 0.119 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 50 Resp: 638

Ion	Ratio	Lower	Upper
50	100		
52	39.8	24.1	36.1#



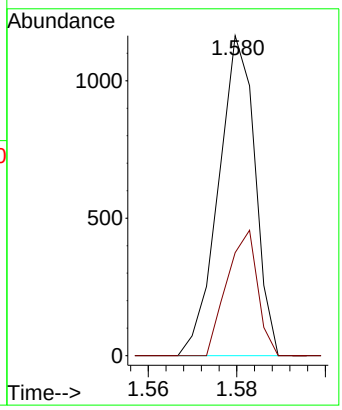


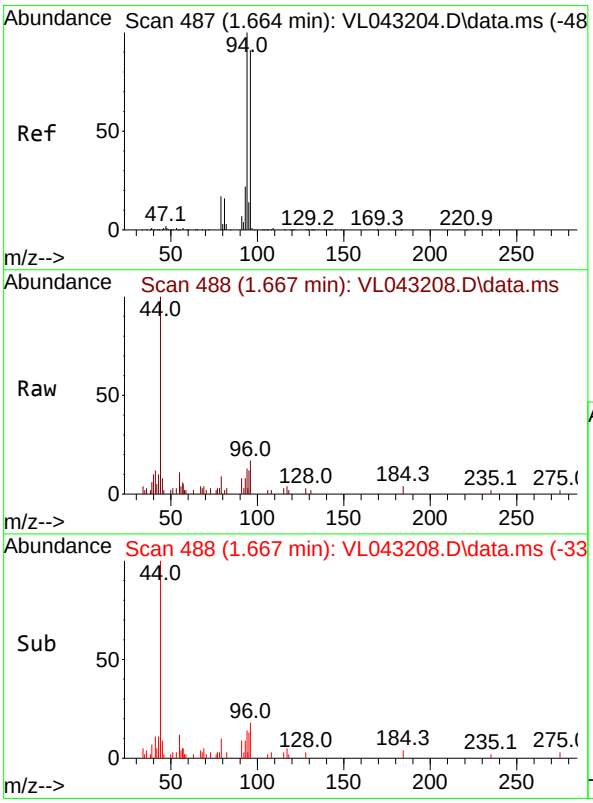
#5
Vinyl Chloride
Concen: 0.114 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 664

Ion	Ratio	Lower	Upper
62	100		
64	32.2	27.3	40.9

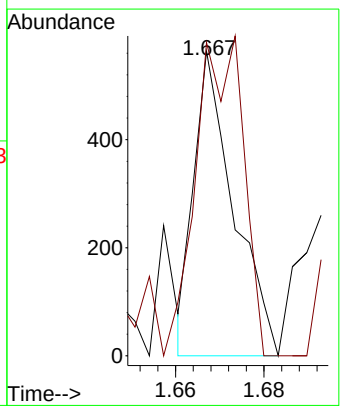


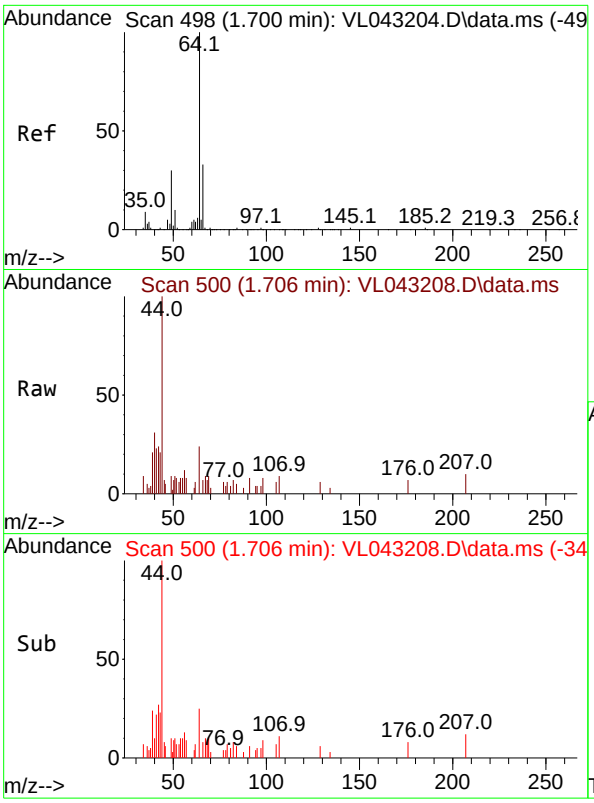


#6
Bromomethane
Concen: 0.124 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 94 Resp: 352

Ion	Ratio	Lower	Upper
94	100		
96	102.8	72.9	109.3



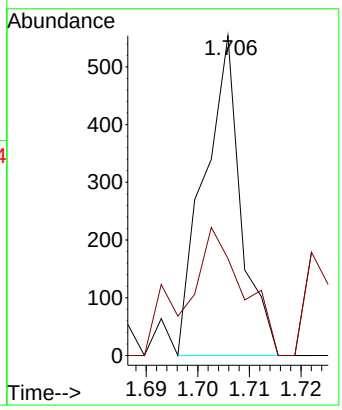


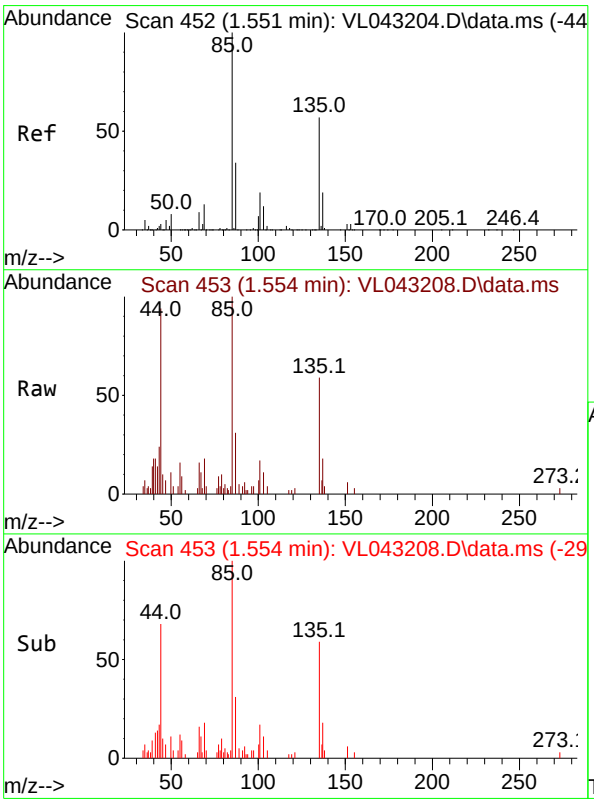
#7
Chloroethane
Concen: 0.121 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 275

Ion	Ratio	Lower	Upper
64	100		
66	30.3	26.8	40.2

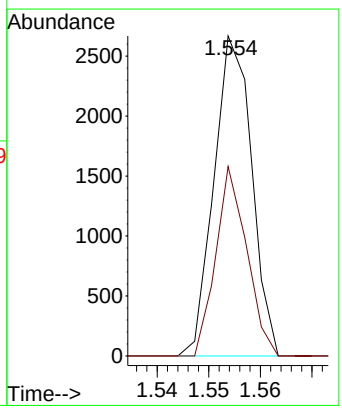


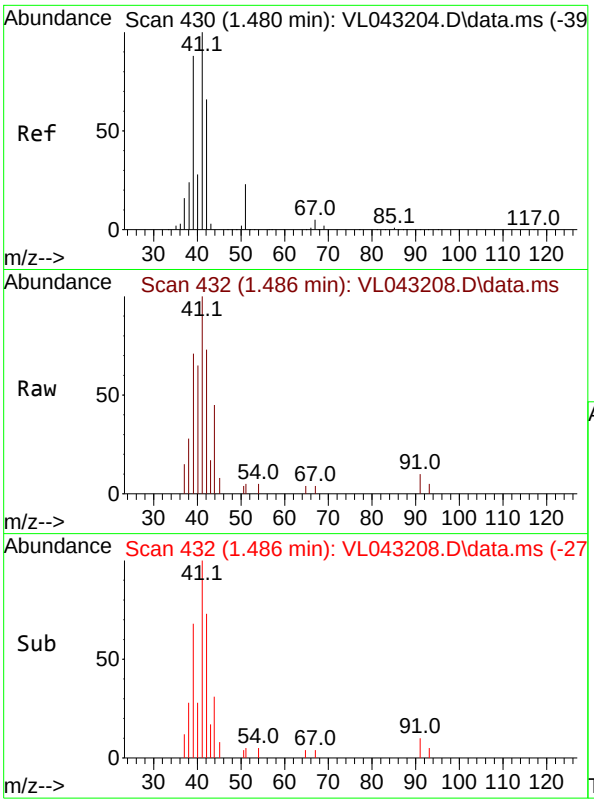


#8
Dichlorotetrafluoroethane
Concen: 0.114 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 85 Resp: 1358

Ion	Ratio	Lower	Upper
85	100		
135	48.5	52.6	79.0#



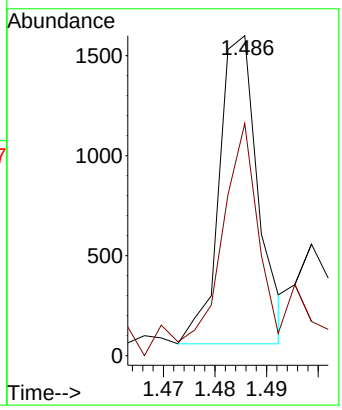


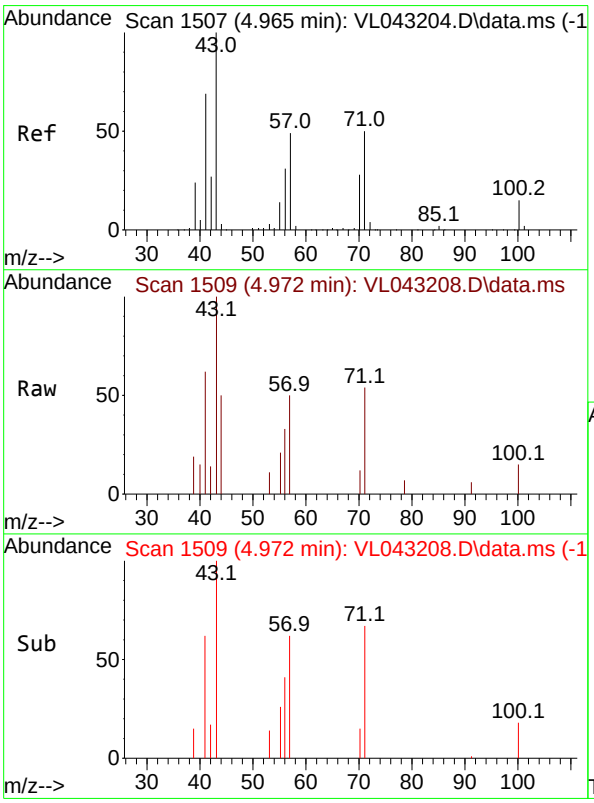
#9
Propene
Concen: 0.124 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 811

Ion	Ratio	Lower	Upper
41	100		
42	79.2	3.7	5.5#

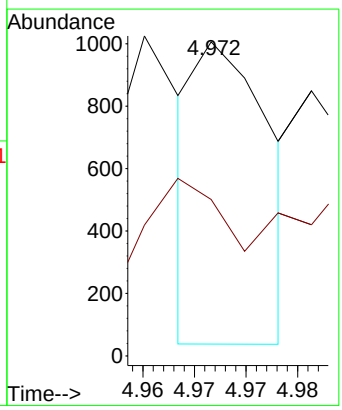


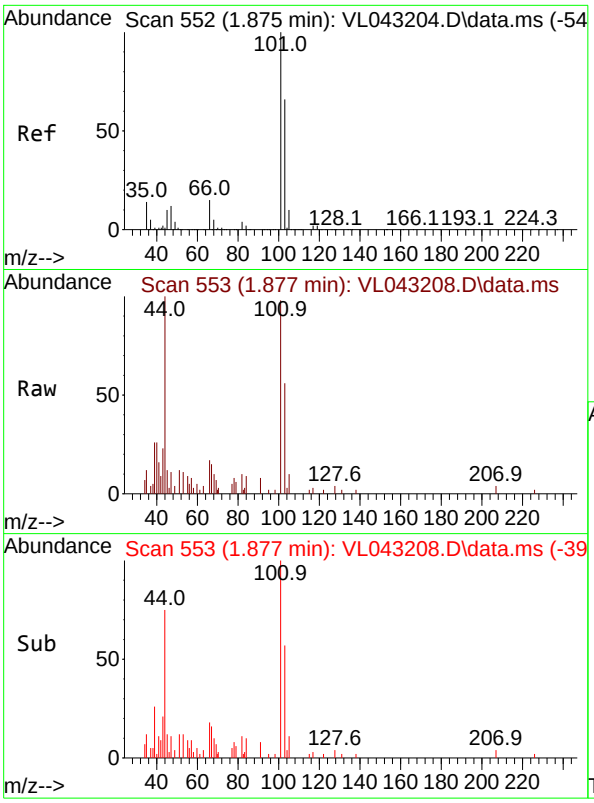


#10
Heptane
Concen: 0.027 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 43 Resp: 480

Ion	Ratio	Lower	Upper
43	100		
57	260.6	39.7	59.5#



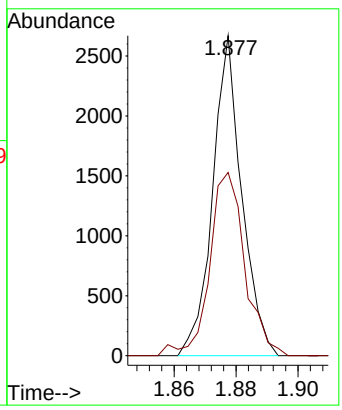


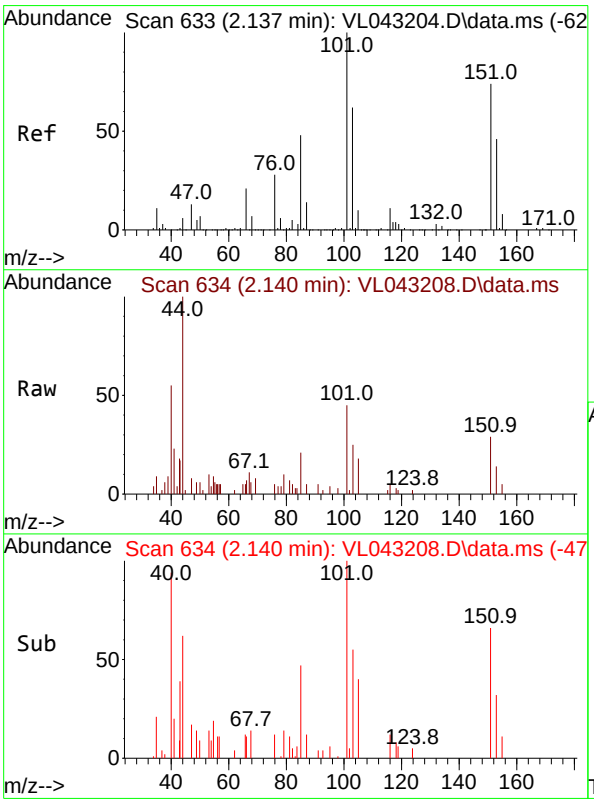
#11
Trichlorofluoromethane
Concen: 0.126 ppbv
RT: 1.877 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 1744

Ion	Ratio	Lower	Upper
101	100		
103	55.2	52.6	79.0

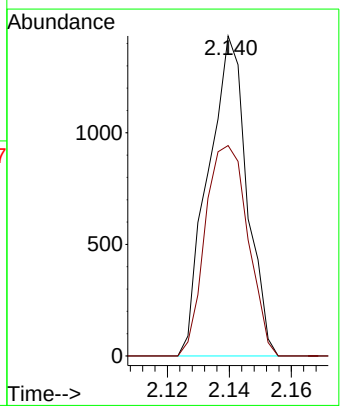


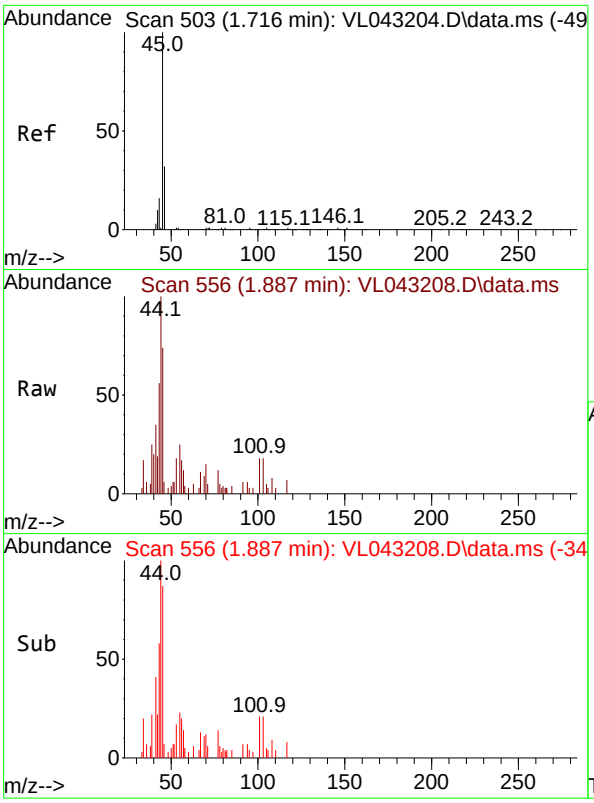


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.115 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:101 Resp: 1249

Ion	Ratio	Lower	Upper
101	100		
151	72.4	59.2	88.8



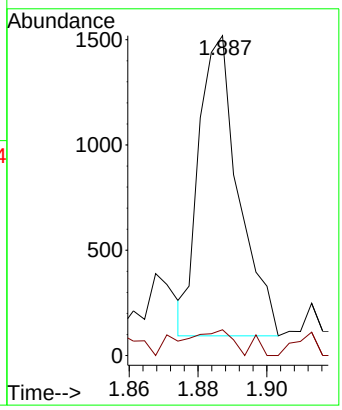


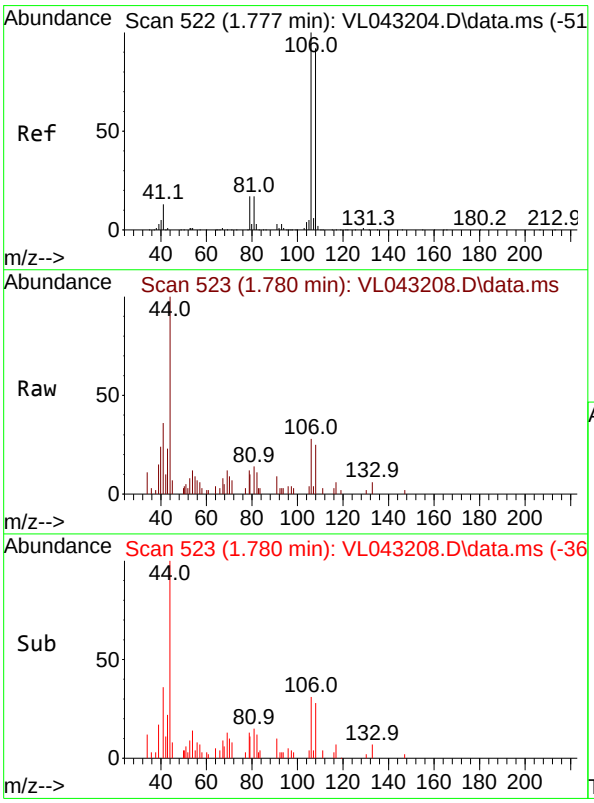
#13
Ethanol
Concen: 0.543 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.171 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1141

Ion	Ratio	Lower	Upper
45	100		
46	22.5	15.0	59.8

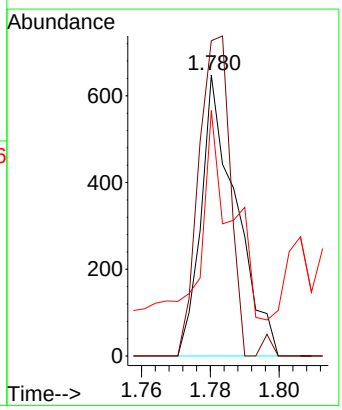


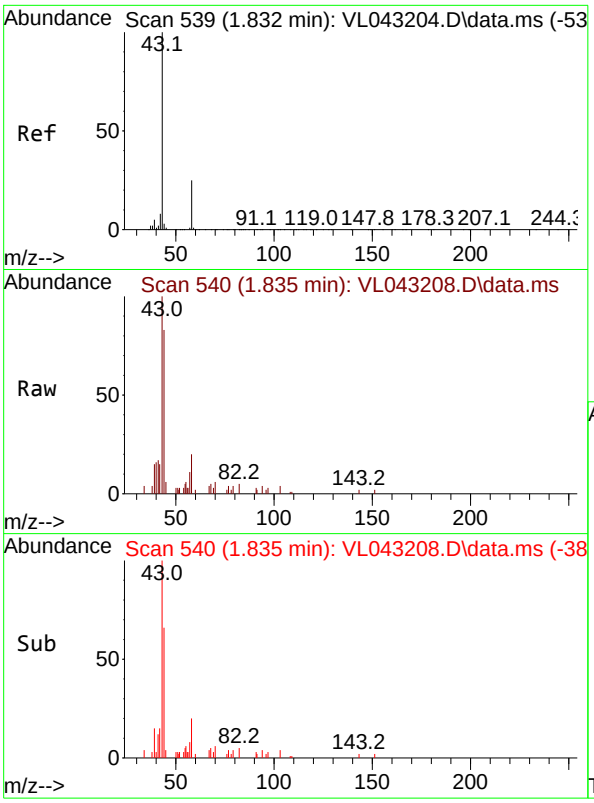


#14
Bromoethene
Concen: 0.110 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:108 Resp: 456

Ion	Ratio	Lower	Upper
108	100		
106	103.9	88.9	133.3
79	90.8	16.5	24.7#



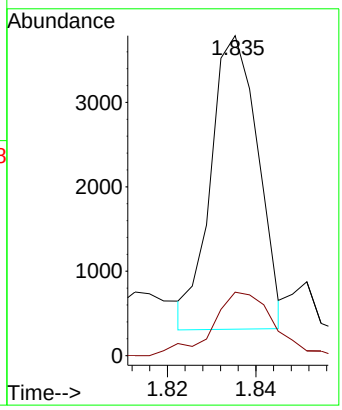


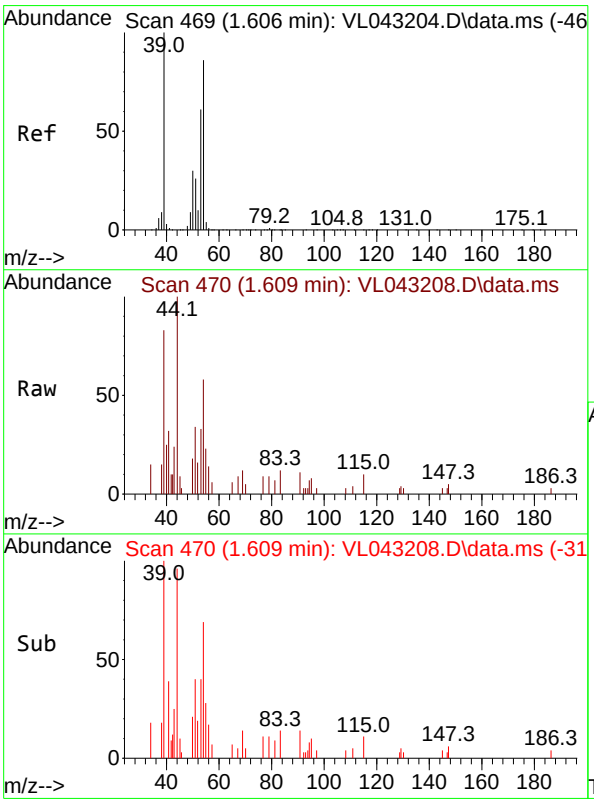
#15
Acetone
Concen: 0.183 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 2574

Ion	Ratio	Lower	Upper
43	100		
58	28.0	20.7	31.1

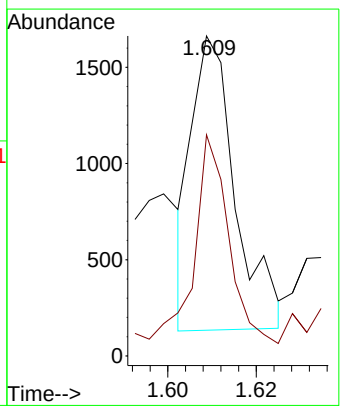


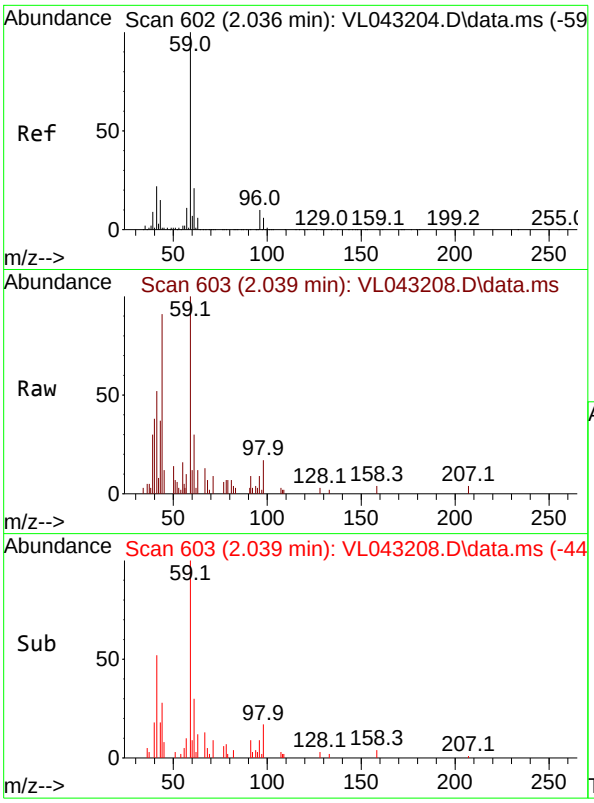


#16
1,3-Butadiene
Concen: 0.167 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 39 Resp: 1049

Ion	Ratio	Lower	Upper
39	100		
54	111.2	59.4	89.2#



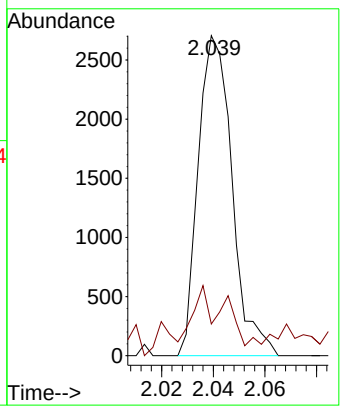


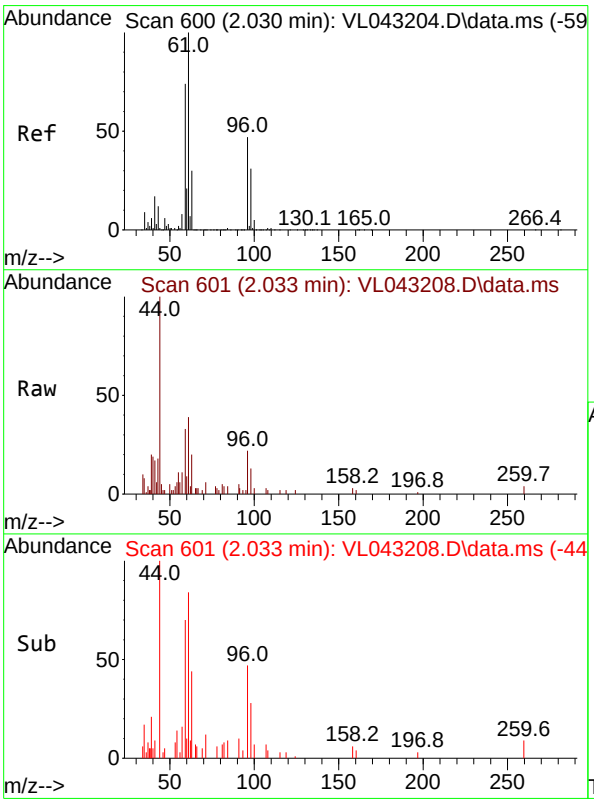
#17
tert-Butyl alcohol
Concen: 0.133 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 59 Resp: 2464

Ion	Ratio	Lower	Upper
59	100		
57	37.8	9.0	13.4#

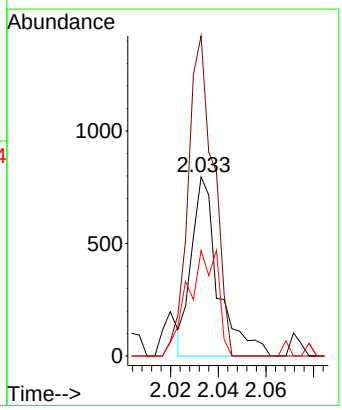


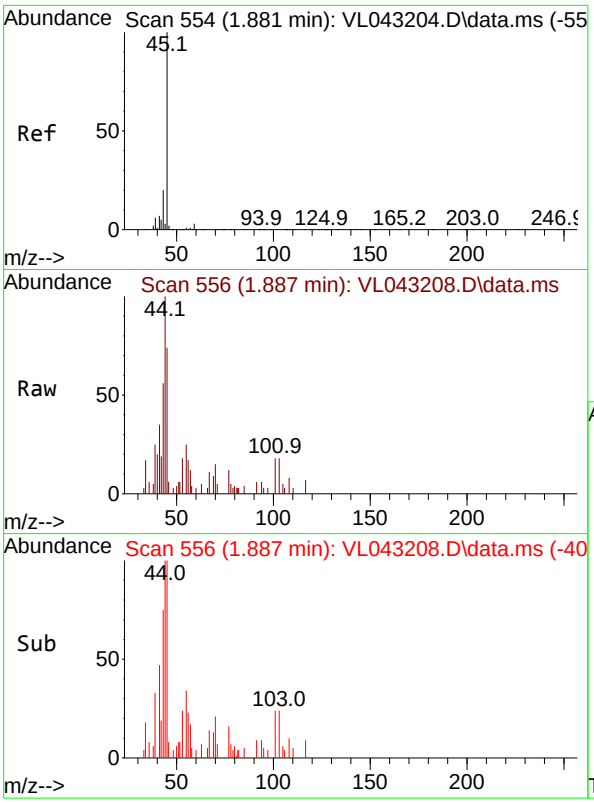


#18
1,1-Dichloroethene
Concen: 0.123 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 96 Resp: 620

Ion	Ratio	Lower	Upper
96	100		
61	178.8	170.6	255.8
98	58.9	52.2	78.4



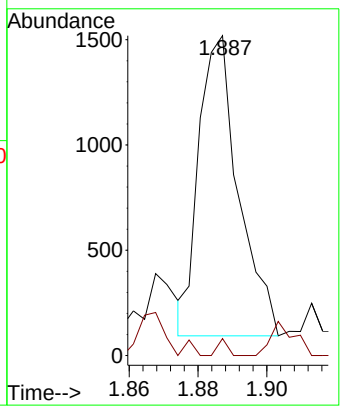


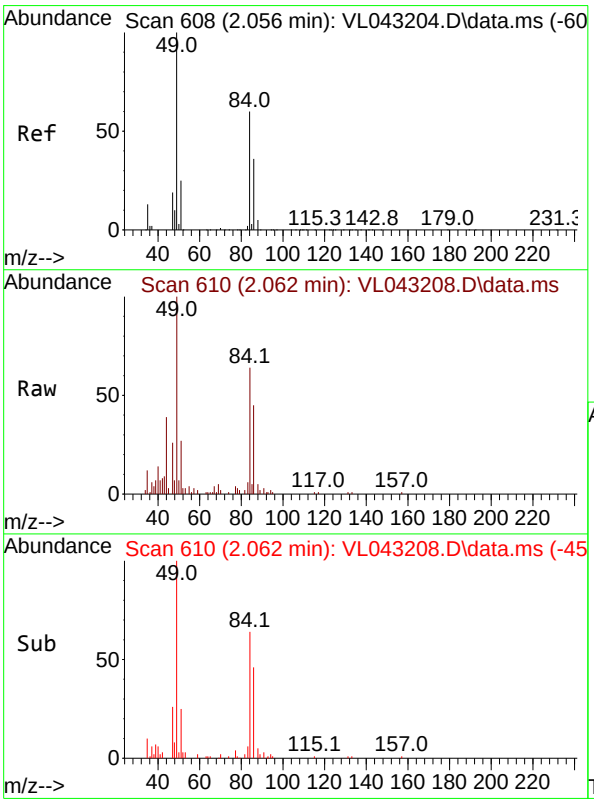
#19
Isopropyl Alcohol
Concen: 0.143 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 45 Resp: 1141

Ion	Ratio	Lower	Upper
45	100		
58	11.7	31.3	46.9#

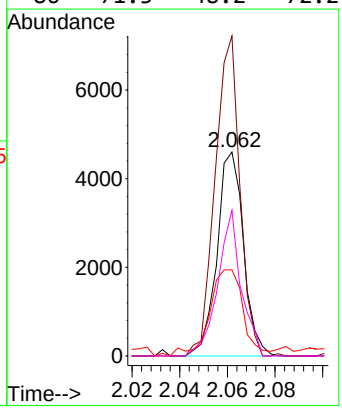


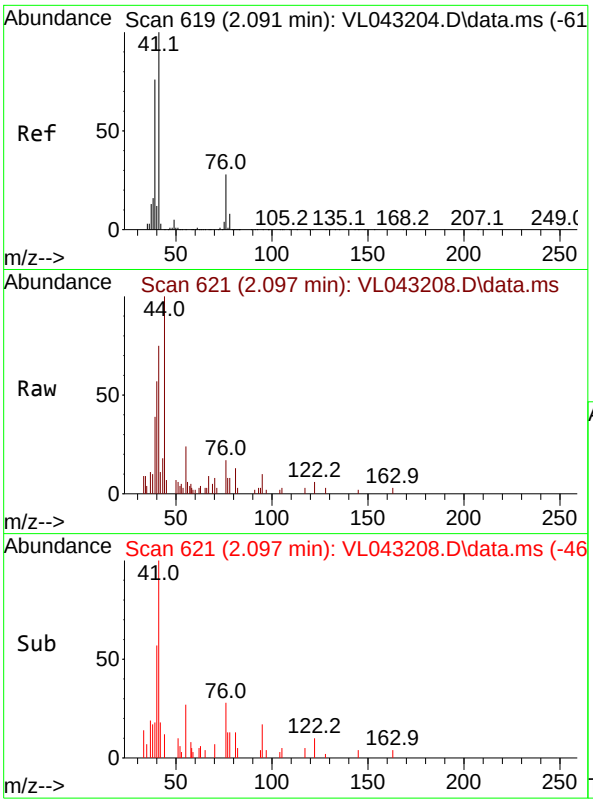


#20
Methylene Chloride
Concen: 0.077 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 84 Resp: 3550

Ion	Ratio	Lower	Upper
84	100		
49	156.9	132.9	199.3
51	38.9	34.8	52.2
86	71.3	48.2	72.2



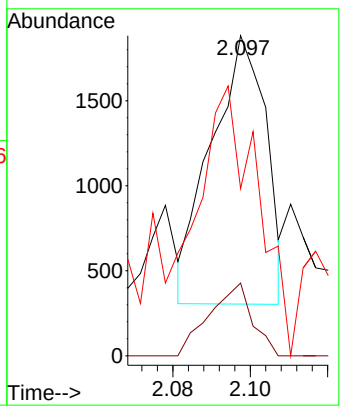


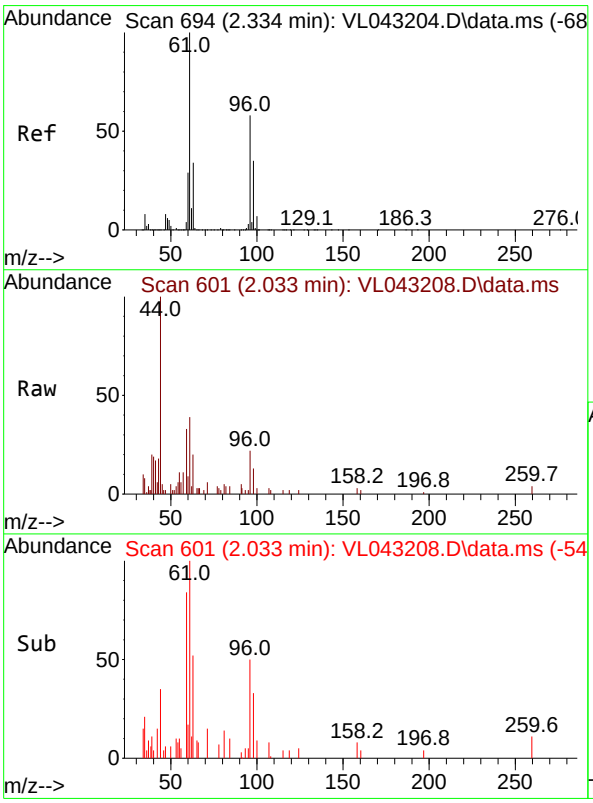
#21
Allyl Chloride
Concen: 0.164 ppbv
RT: 2.097 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 1553

Ion	Ratio	Lower	Upper
41	100		
76	21.1	22.1	33.1#
39	136.3	61.0	91.4#

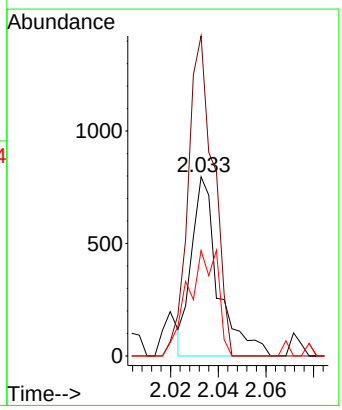


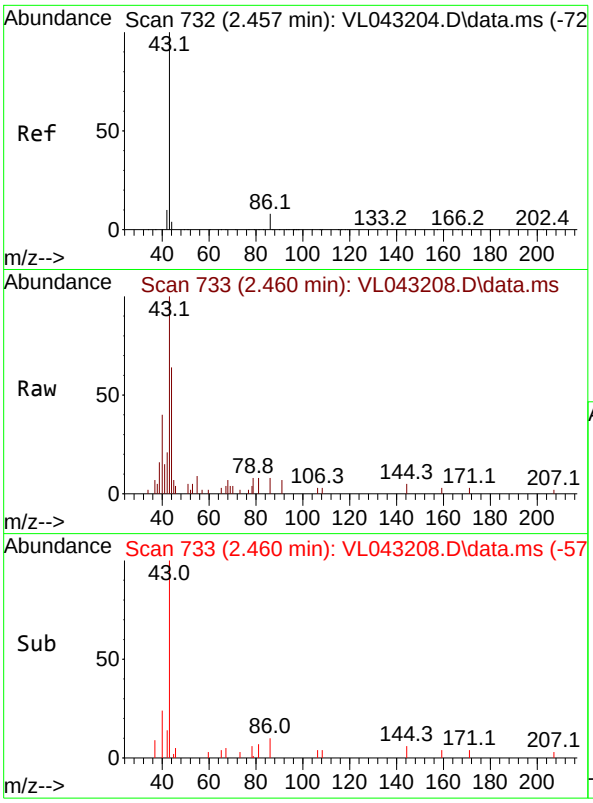


#22
trans-1,2-Dichloroethene
Concen: 0.108 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.301 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 96 Resp: 620

Ion	Ratio	Lower	Upper
96	100		
61	178.8	139.0	208.6
98	58.9	49.4	74.2



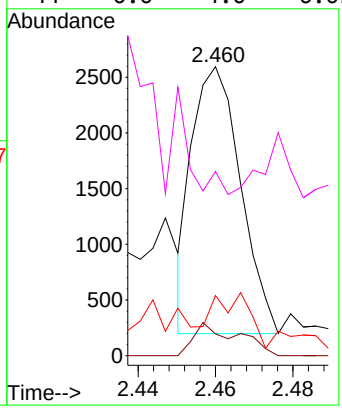


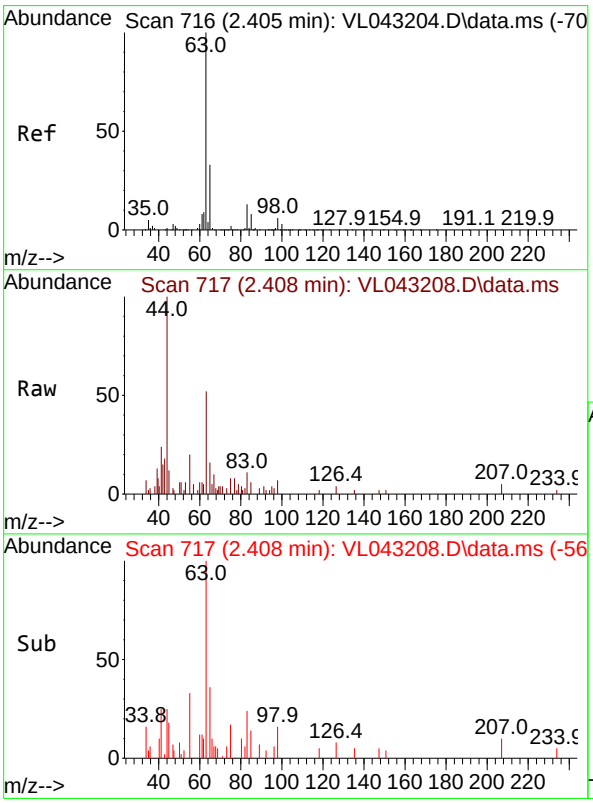
#23
Vinyl Acetate
Concen: 0.123 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 2093

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.2
42	13.4	8.0	12.0#
44	0.0	4.0	6.0#

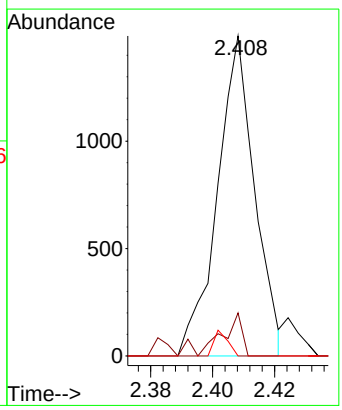


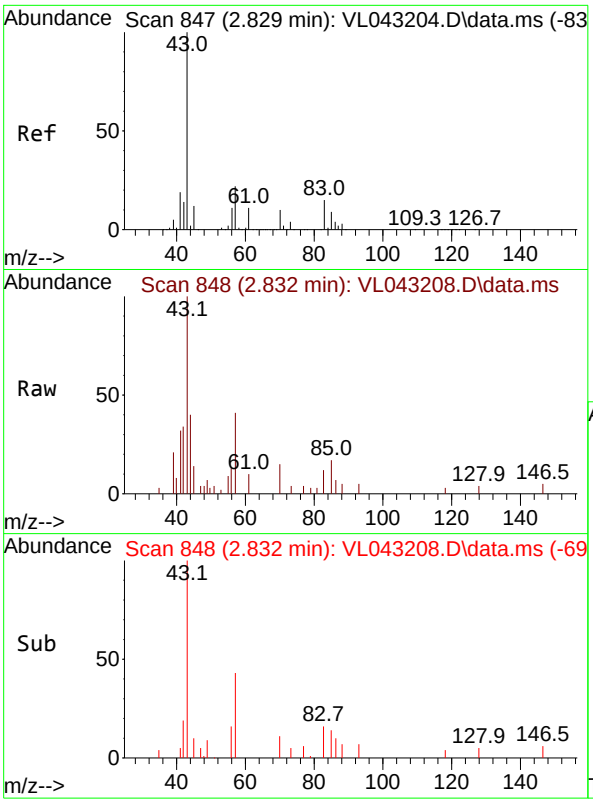


#24
1,1-Dichloroethane
Concen: 0.112 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 63 Resp: 1242

Ion	Ratio	Lower	Upper
63	100		
98	13.4	2.8	8.4#
100	0.0	1.3	3.9#



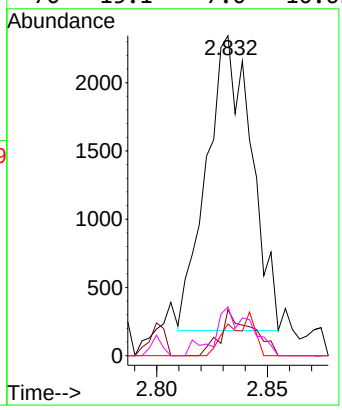


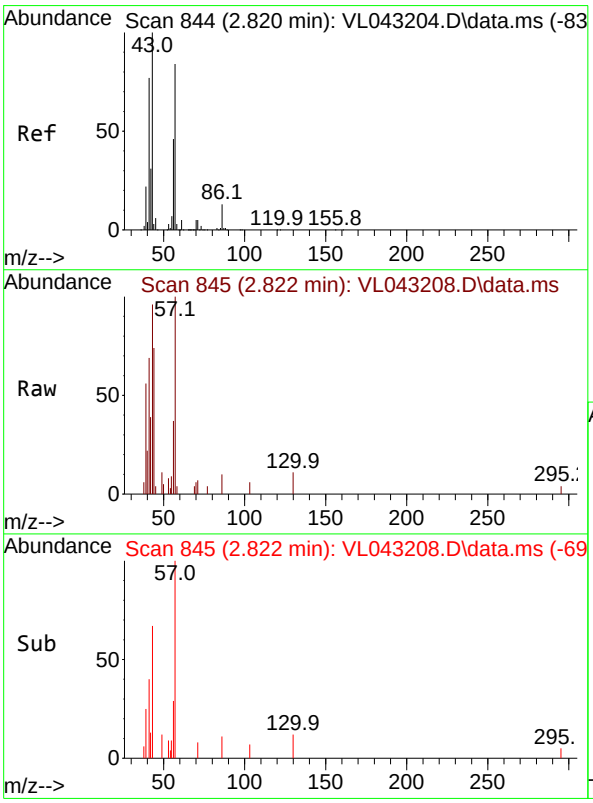
#25
Ethyl Acetate
Concen: 0.100 ppbv
RT: 2.832 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 3043

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.1	12.1
61	8.2	7.0	10.4
70	15.1	7.0	10.6#

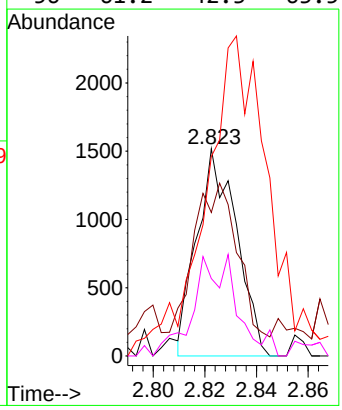


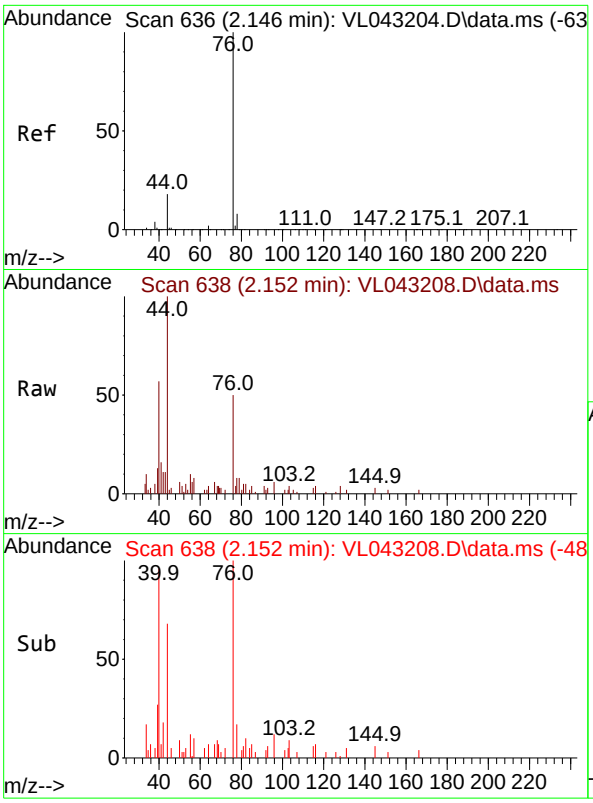


#26
Hexane
Concen: 0.121 ppbv
RT: 2.822 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 57 Resp: 1613

Ion	Ratio	Lower	Upper
57	100		
41	88.3	74.6	111.8
43	235.4	179.0	268.4
56	61.2	42.3	63.5



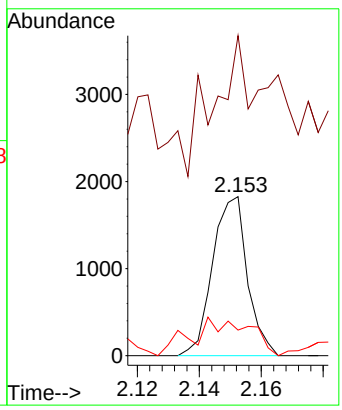


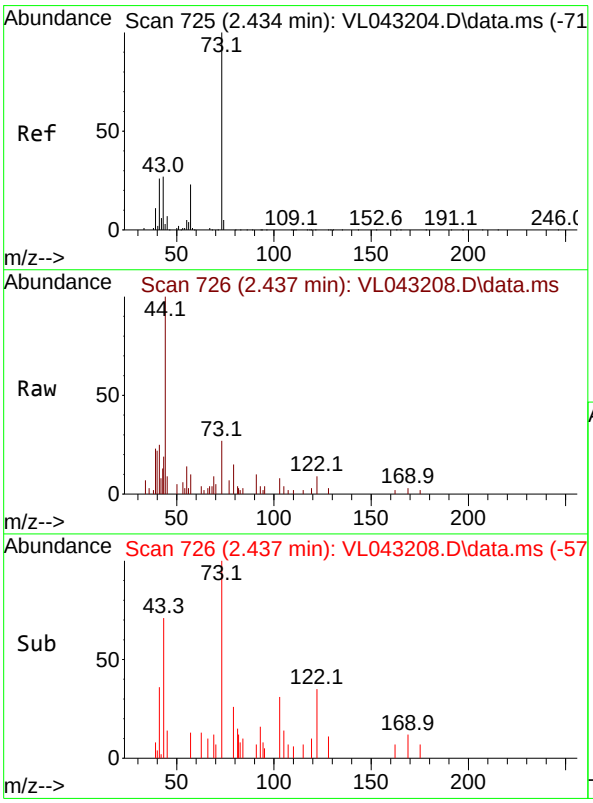
#27
Carbon Disulfide
Concen: 0.105 ppbv
RT: 2.152 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 76 Resp: 1422

Ion	Ratio	Lower	Upper
76	100		
44	325.6	16.1	24.1#
78	45.7	9.6	14.4#

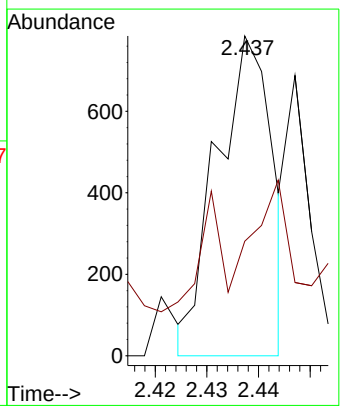


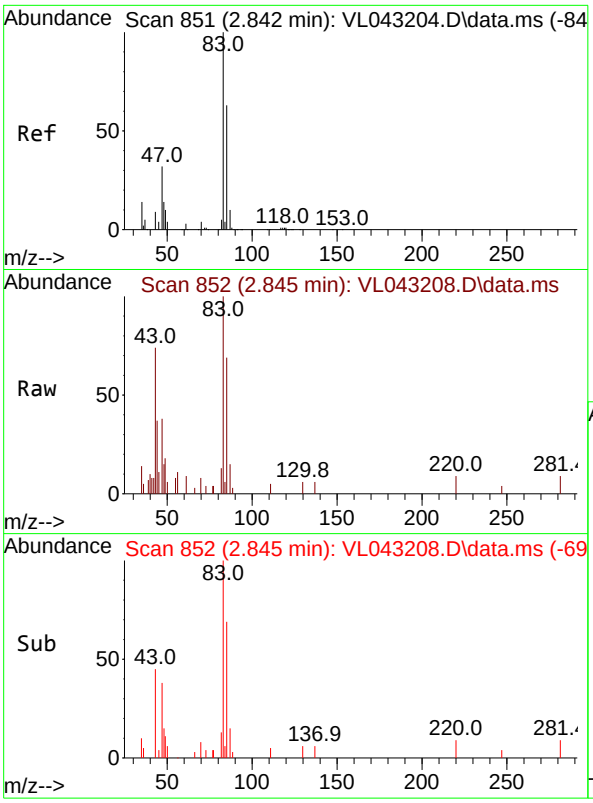


#28
Methyl tert-Butyl Ether
Concen: 0.089 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 73 Resp: 585

Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.8	29.8#



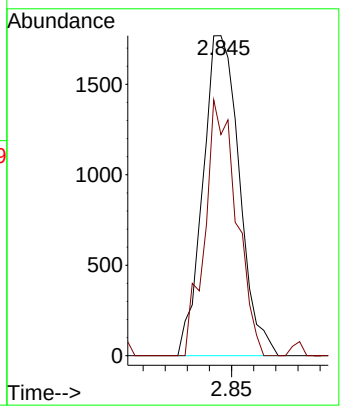


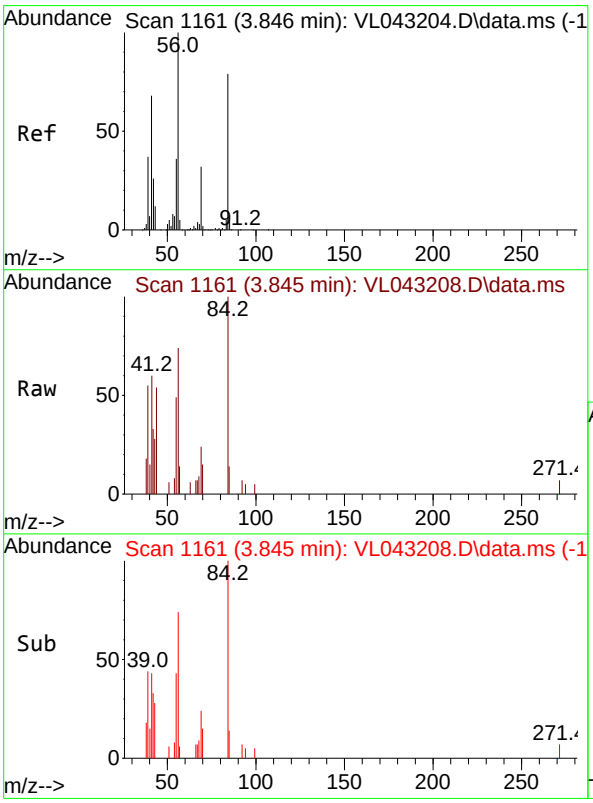
#29
Chloroform
Concen: 0.107 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 2028

Ion	Ratio	Lower	Upper
83	100		
85	69.1	50.5	75.7

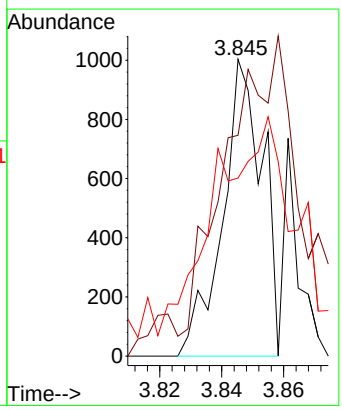


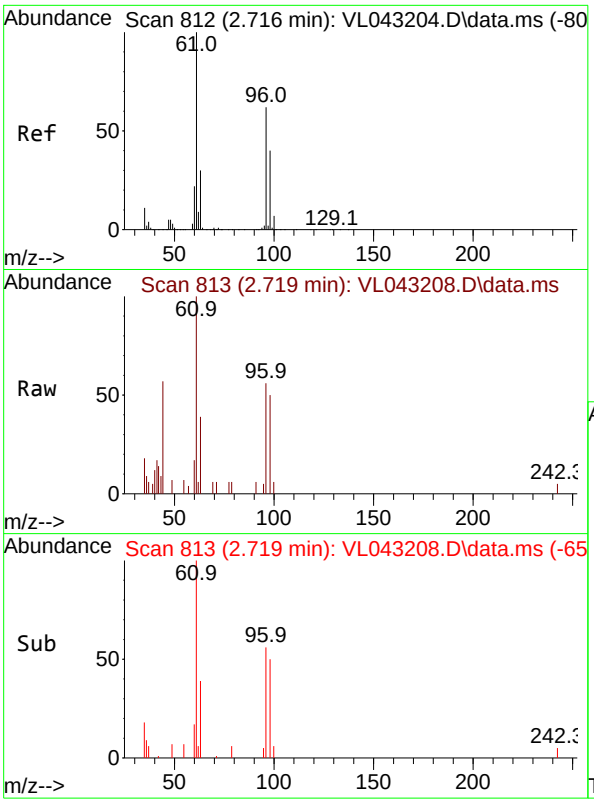


#30
Cyclohexane
Concen: 0.080 ppbv
RT: 3.845 min Scan# 1161
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 84 Resp: 893

Ion	Ratio	Lower	Upper
84	100		
56	0.0	104.7	157.1#
41	0.0	69.0	103.6#



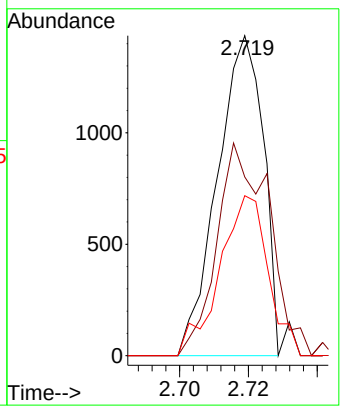


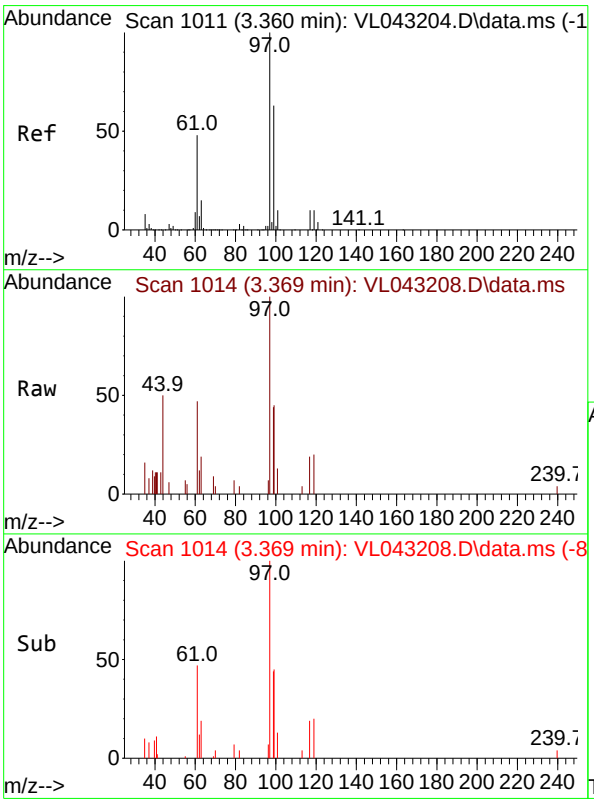
#31
cis-1,2-Dichloroethene
Concen: 0.101 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 1331

Ion	Ratio	Lower	Upper
61	100		
96	55.8	49.3	73.9
98	50.0	32.1	48.1#

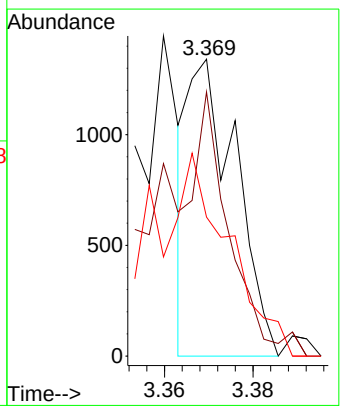


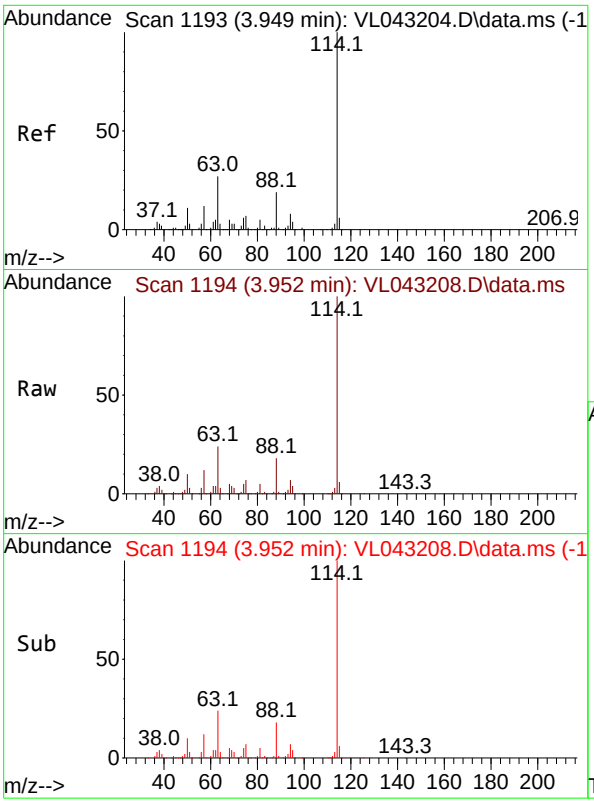


#32
1,1,1-Trichloroethane
Concen: 0.049 ppbv
RT: 3.369 min Scan# 1014
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 97 Resp: 999

Ion	Ratio	Lower	Upper
97	100		
99	130.1	50.3	75.5#
61	111.0	38.9	58.3#



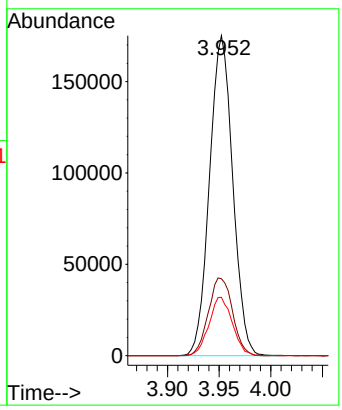


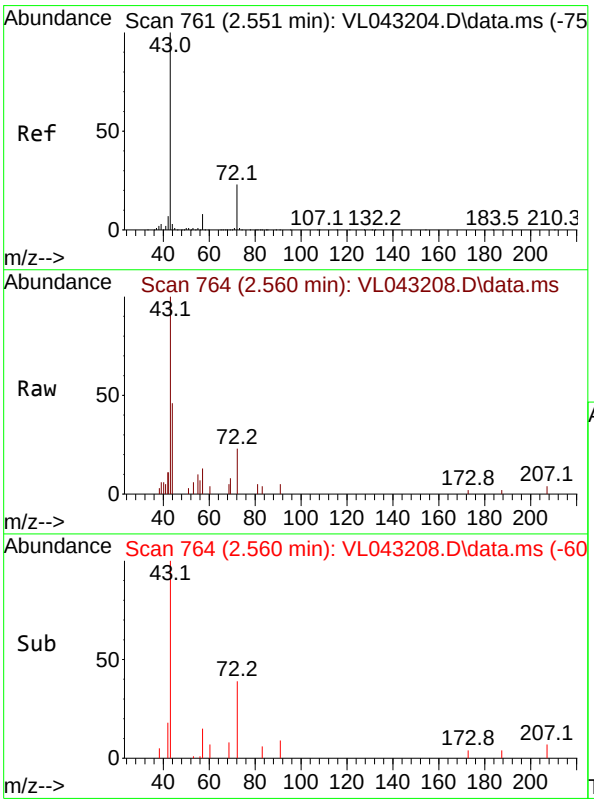
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 273996

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.0	31.6
88	18.3	14.9	22.3

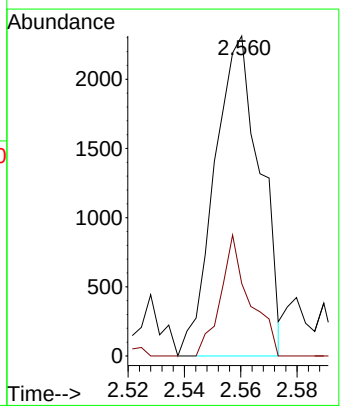


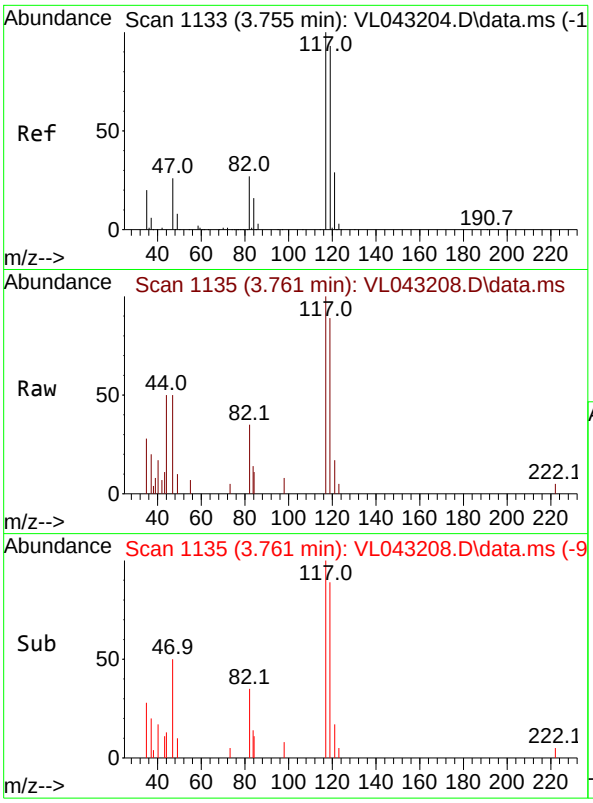


#34
2-Butanone
Concen: 0.134 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 43 Resp: 2593

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.1	27.1



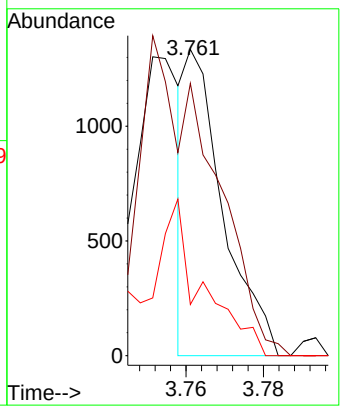


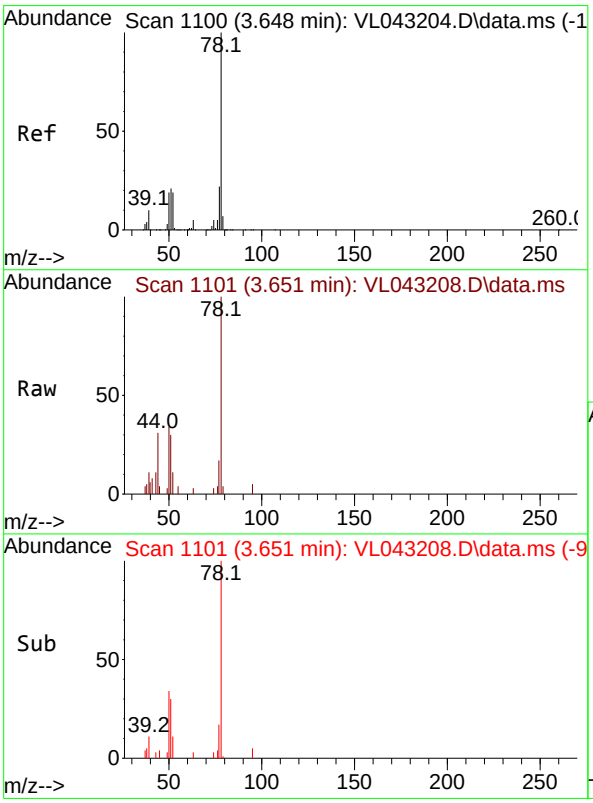
#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 901

Ion	Ratio	Lower	Upper
117	100		
119	85.0	74.6	112.0
121	16.7	23.2	34.8#

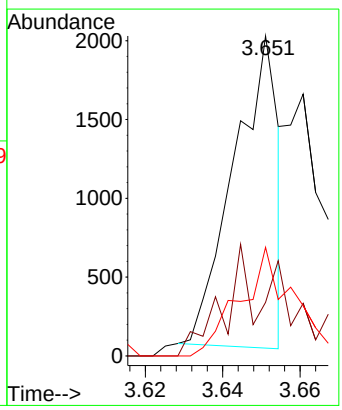


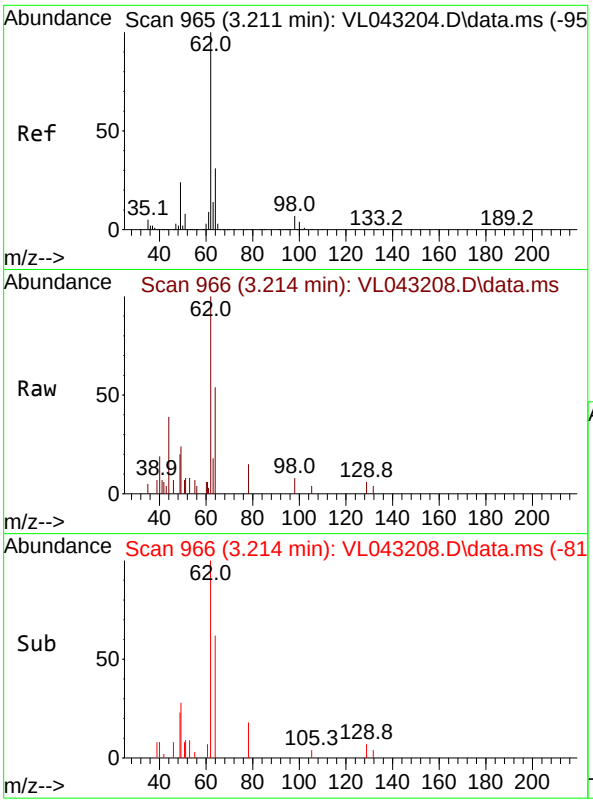


#36
Benzene
Concen: 0.060 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 78 Resp: 1569

Ion	Ratio	Lower	Upper
78	100		
77	17.4	17.5	26.3#
50	35.3	15.5	23.3#



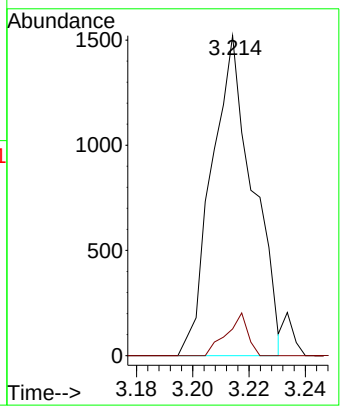


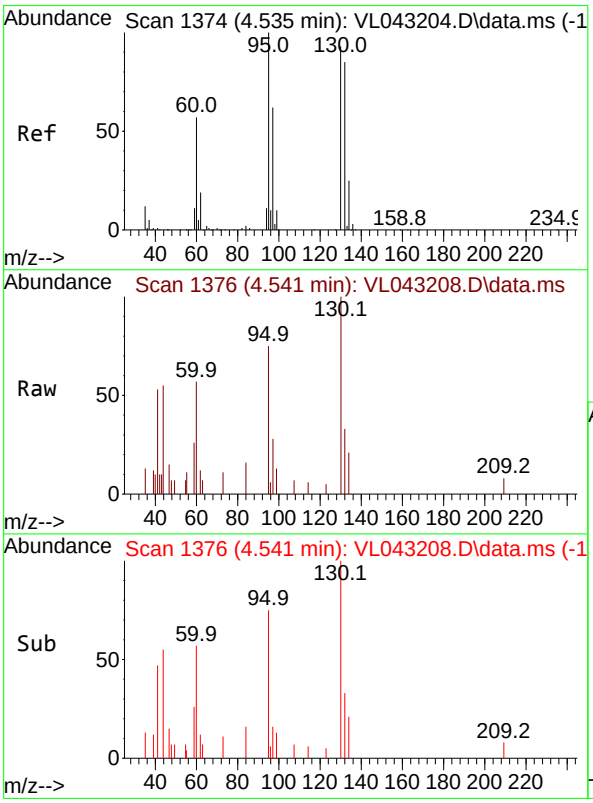
#37
1,2-Dichloroethane
Concen: 0.100 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 1537

Ion	Ratio	Lower	Upper
62	100		
98	6.9	5.5	8.3

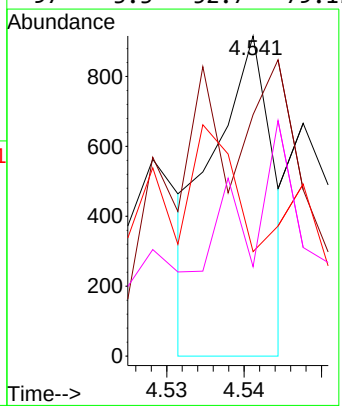


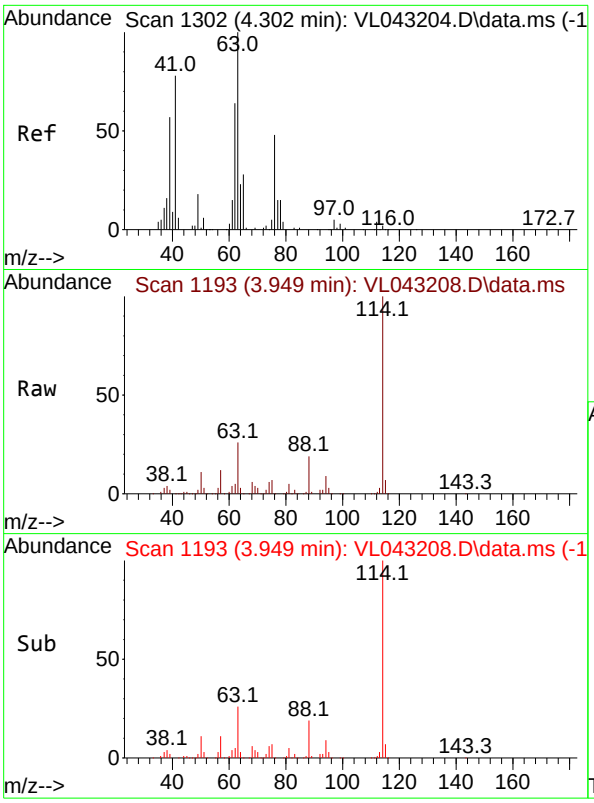


#38
Trichloroethene
Concen: 0.049 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:130 Resp: 502

Ion	Ratio	Lower	Upper
130	100		
95	61.3	85.7	128.5#
132	0.0	73.4	110.0#
97	3.3	52.7	79.1#



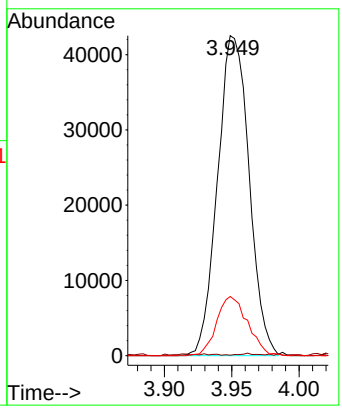


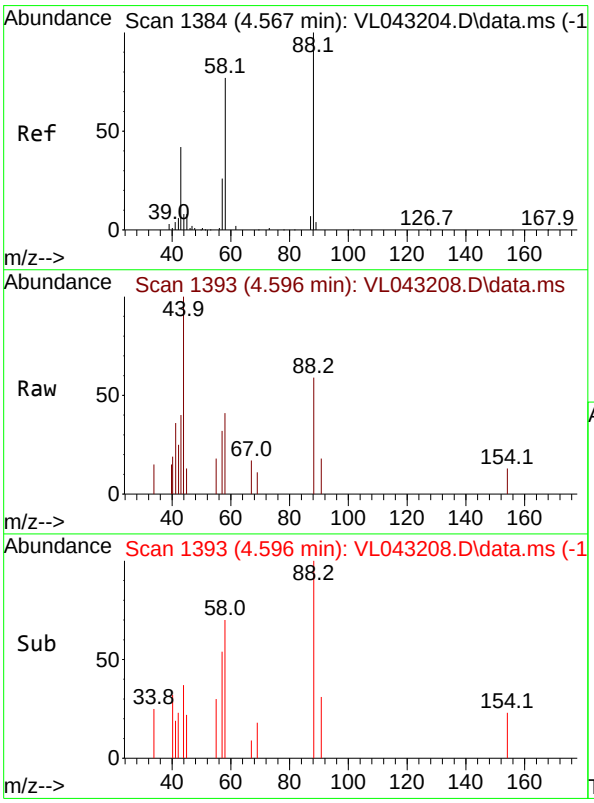
#39
1,2-Dichloropropane
Concen: 7.207 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.353 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 63 Resp: 69214

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	93.8#
62	18.5	51.0	76.6#

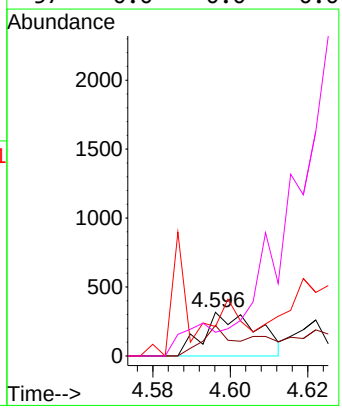


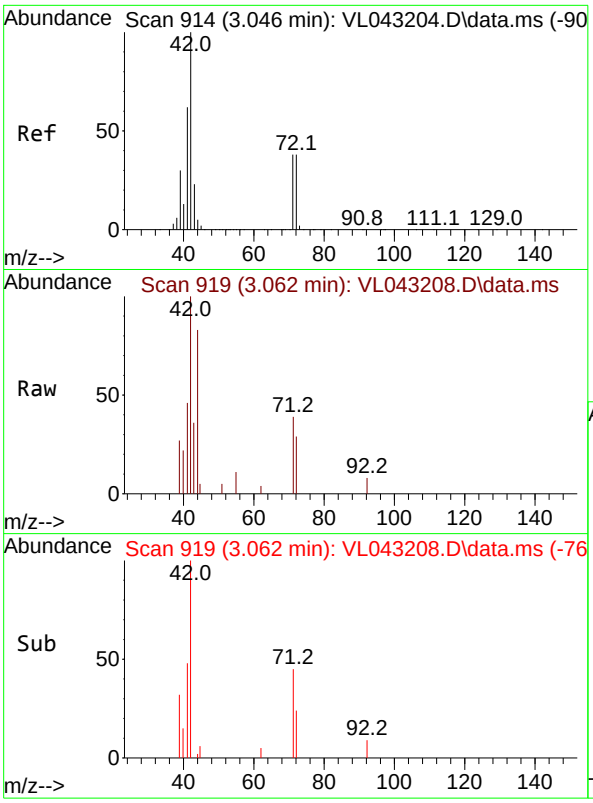


#40
1,4-Dioxane
Concen: 0.071 ppbv
RT: 4.596 min Scan# 1393
Delta R.T. 0.029 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 88 Resp: 308

Ion	Ratio	Lower	Upper
88	100		
58	70.8	63.0	94.6
43	182.8	32.5	48.7#
57	0.0	0.0	0.0



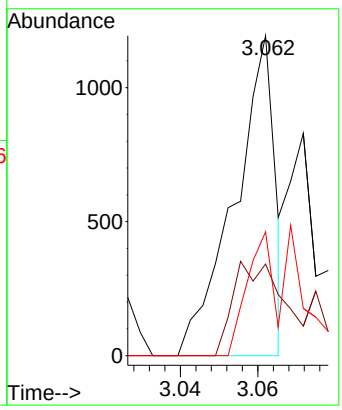


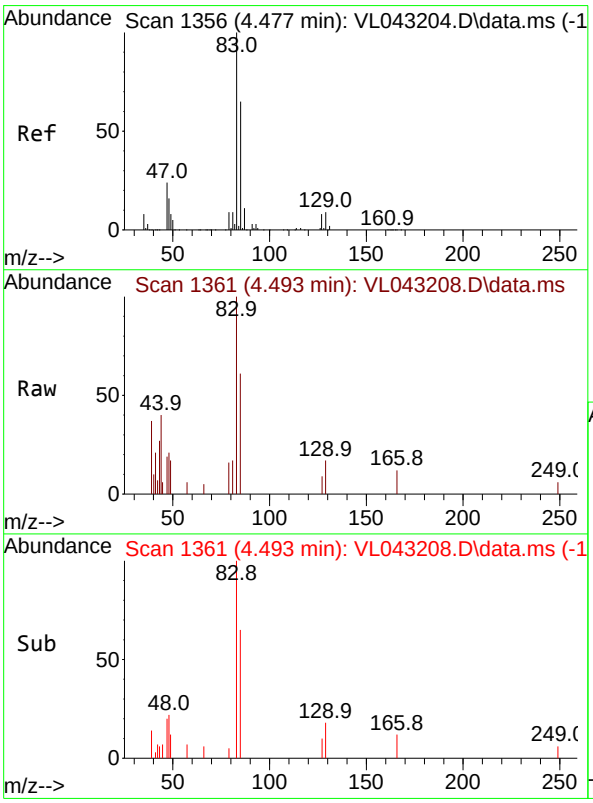
#41
Tetrahydrofuran
Concen: 0.081 ppbv
RT: 3.062 min Scan# 9
Delta R.T. 0.016 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 42 Resp: 868

Ion	Ratio	Lower	Upper
42	100		
72	46.2	30.6	46.0#
71	0.0	30.5	45.7#

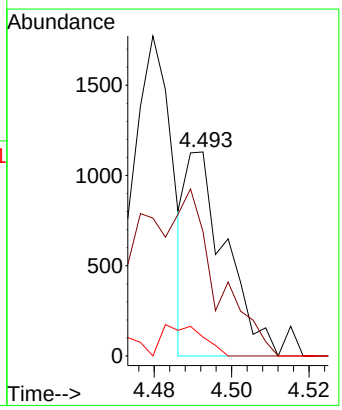


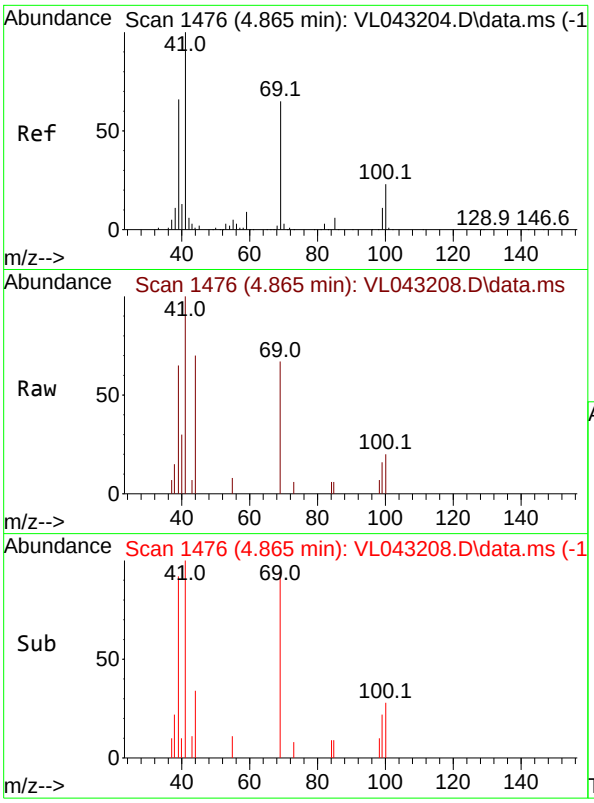


#42
Bromodichloromethane
Concen: 0.038 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.016 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 83 Resp: 806

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.7	77.5
127	9.3	6.3	9.5



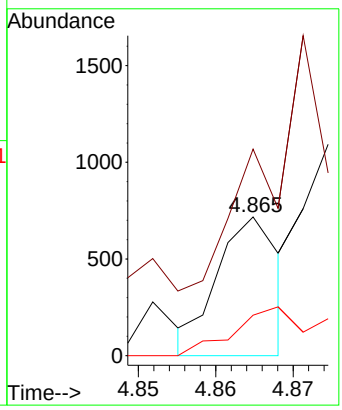


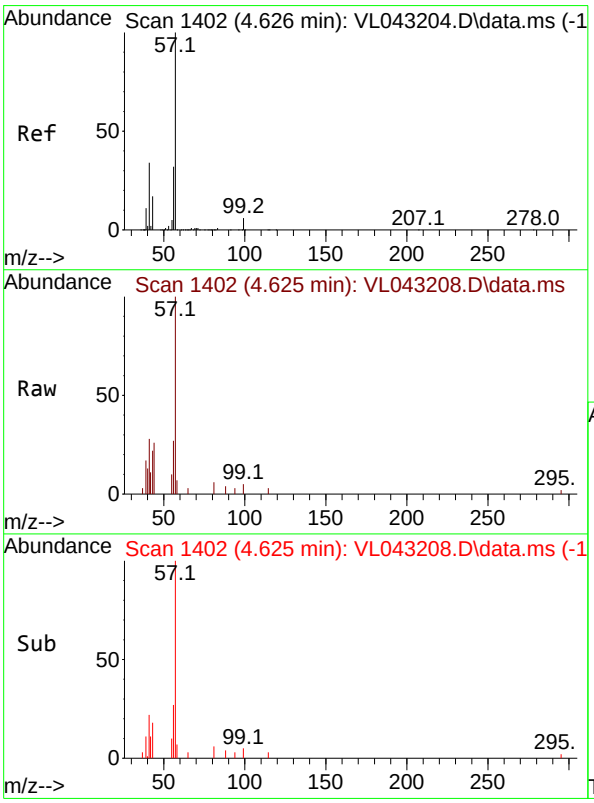
#43
Methyl Methacrylate
Concen: 0.028 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 69 Resp: 396

Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.7	190.1#
100	0.0	28.6	43.0#

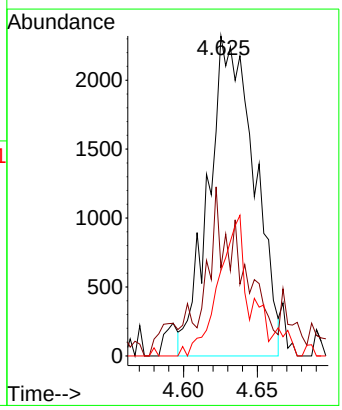


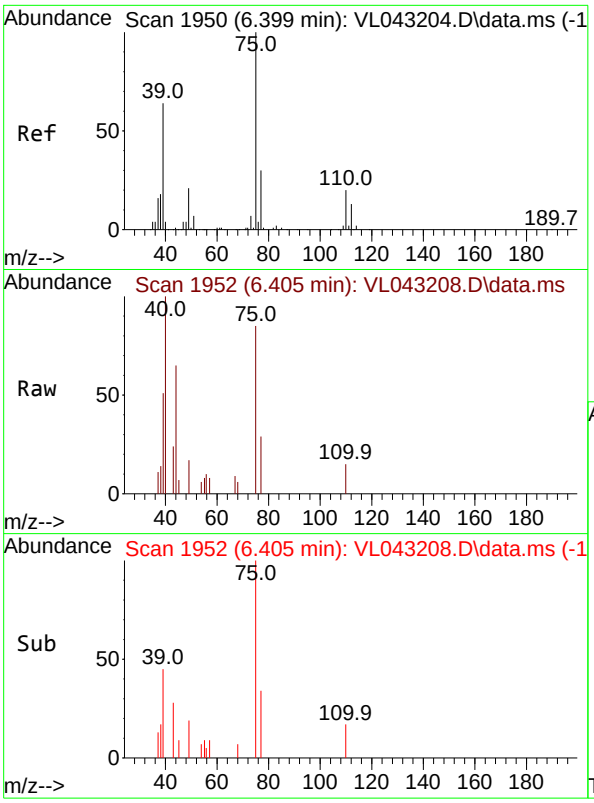


#44
2,2,4-Trimethylpentane
Concen: 0.110 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 57 Resp: 4980

Ion	Ratio	Lower	Upper
57	100		
41	54.9	28.0	42.0#
56	32.9	25.6	38.4



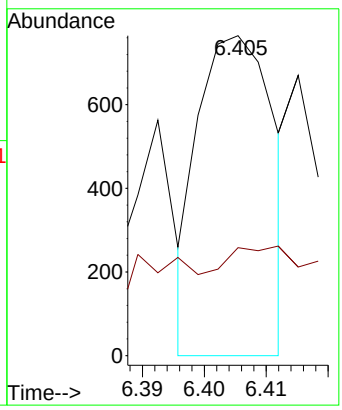


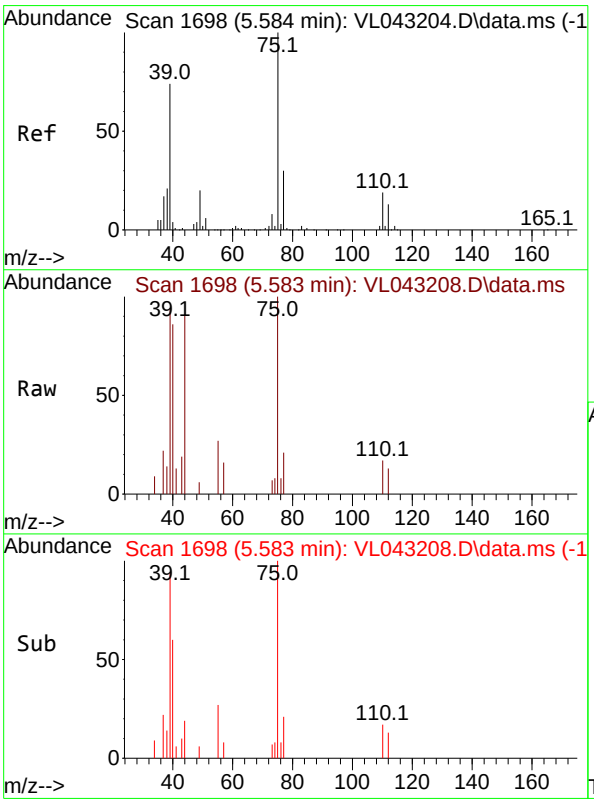
#45
t-1,3-Dichloropropene
Concen: 0.050 ppbv
RT: 6.405 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 75 Resp: 645

Ion	Ratio	Lower	Upper
75	100		
77	33.7	24.3	36.5

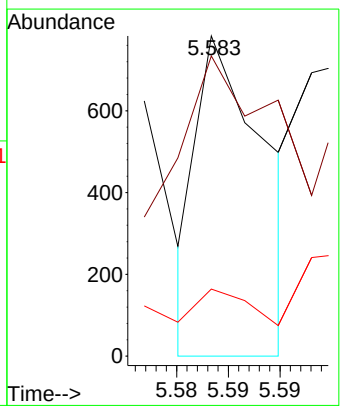


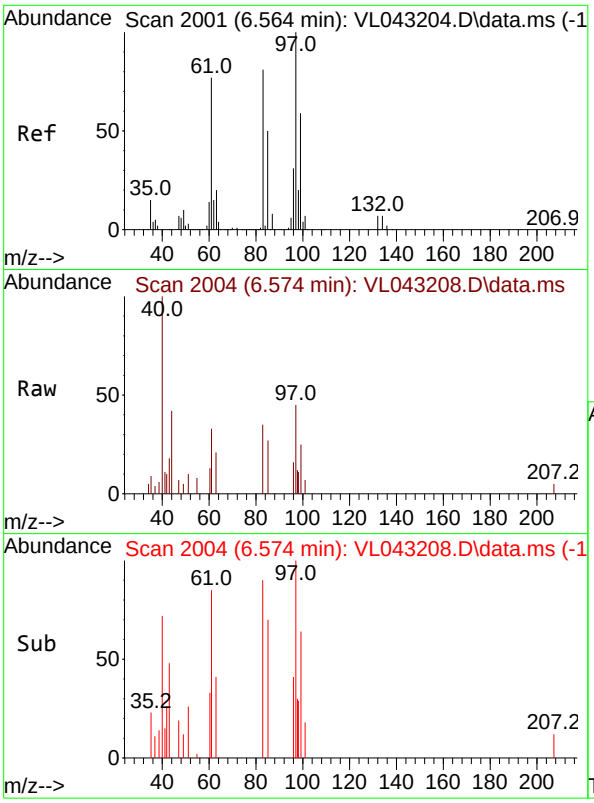


#46
cis-1,3-Dichloropropene
Concen: 0.024 ppbv
RT: 5.583 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 75 Resp: 359

Ion	Ratio	Lower	Upper
75	100		
39	48.3	59.1	88.7#
77	17.3	24.2	36.2#



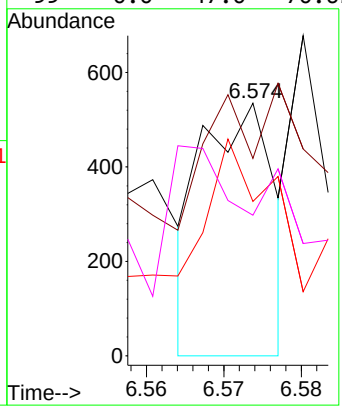


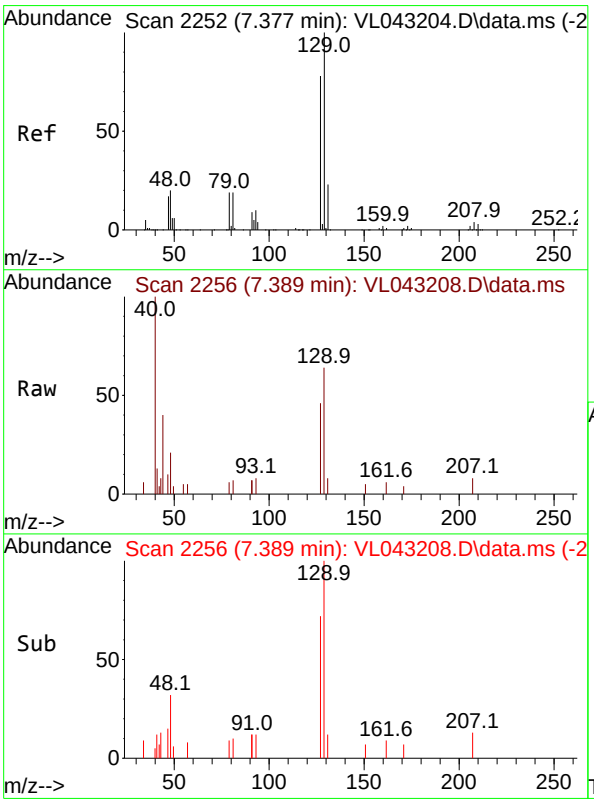
#47
1,1,2-Trichloroethane
Concen: 0.034 ppbv
RT: 6.574 min Scan# 2
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 347

Ion	Ratio	Lower	Upper
97	100		
83	37.9	64.6	97.0#
85	39.4	39.4	59.2#
99	0.0	47.0	70.6#

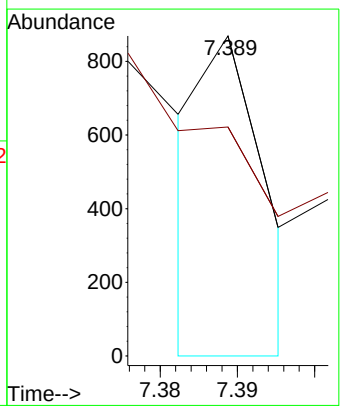


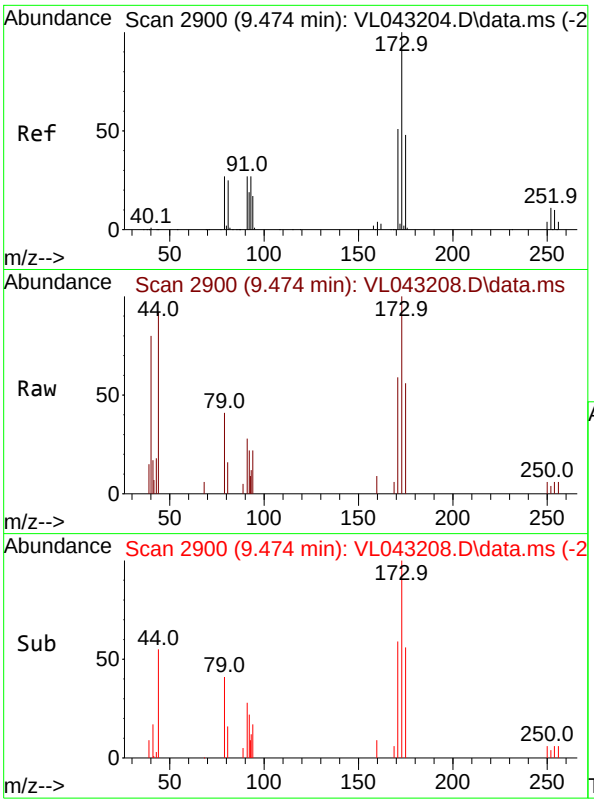


#48
Dibromochloromethane
Concen: 0.014 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.013 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:129 Resp: 237

Ion	Ratio	Lower	Upper
129	100		
127	547.7	39.3	117.9#



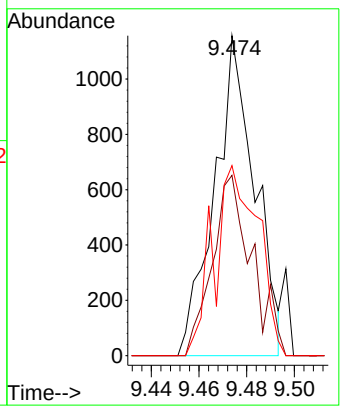


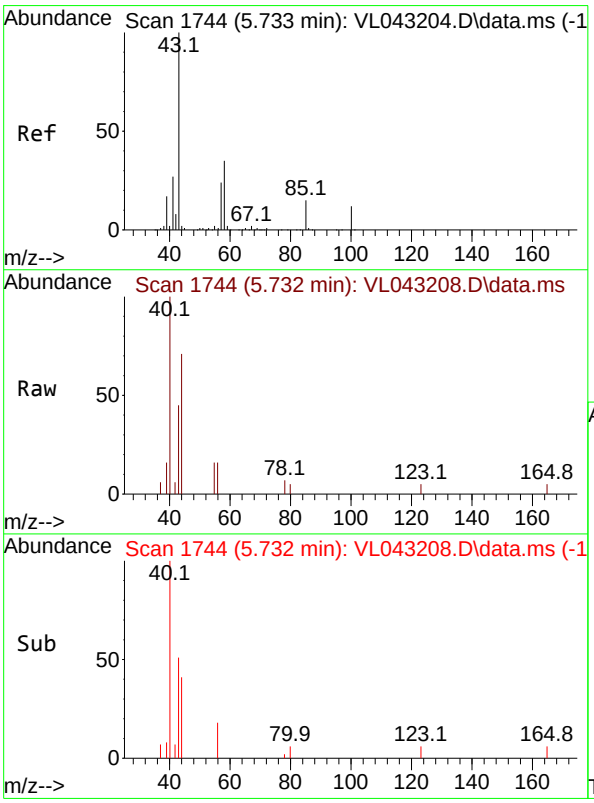
#49
Bromoform
Concen: 0.087 ppbv
RT: 9.474 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:173 Resp: 1357

Ion	Ratio	Lower	Upper
173	100		
175	55.2	38.6	58.0
171	65.3	40.6	61.0#

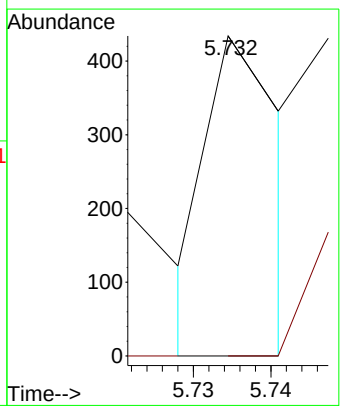


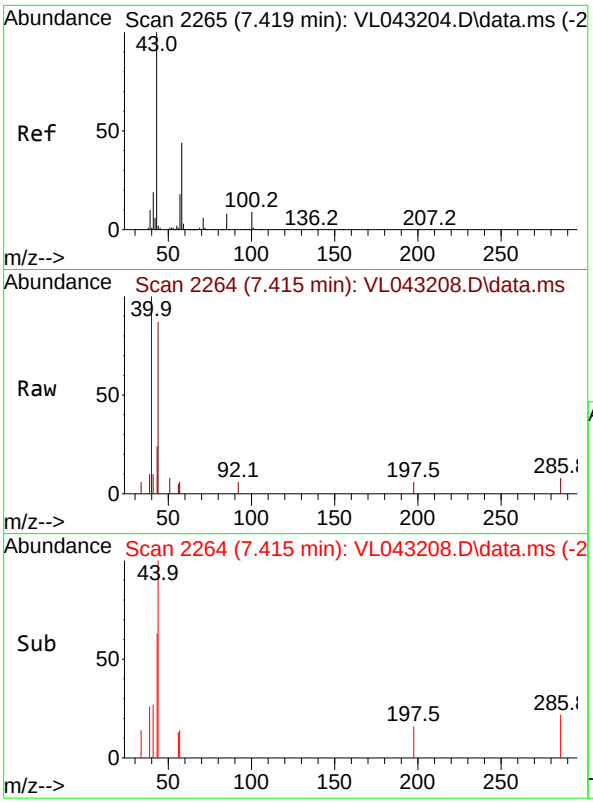


#50
4-Methyl-2-Pentanone
Concen: 0.005 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 43 Resp: 149

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#



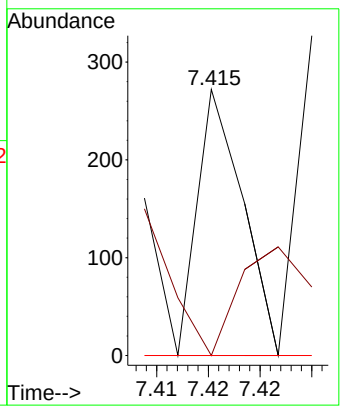


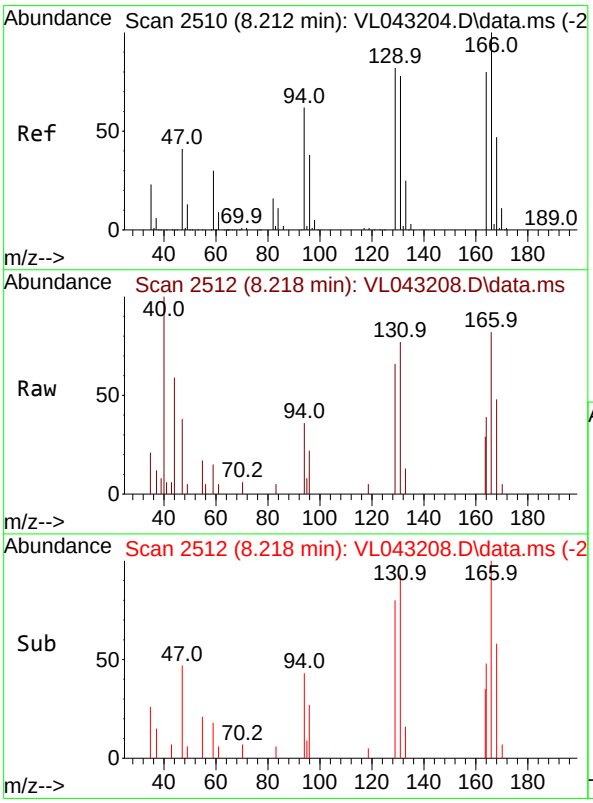
#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.415 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 83

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	0.0	0.0	0.0

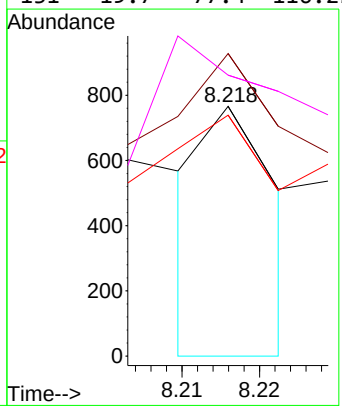


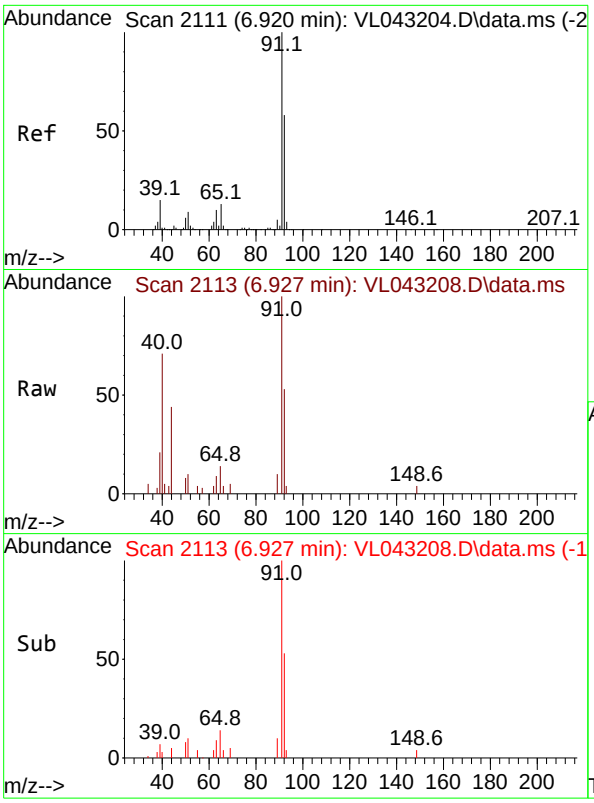


#52
Tetrachloroethene
Concen: 0.025 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:164 Resp: 248

Ion	Ratio	Lower	Upper
164	100		
166	87.8	99.4	149.2#
129	90.9	81.8	122.8
131	19.7	77.4	116.2#



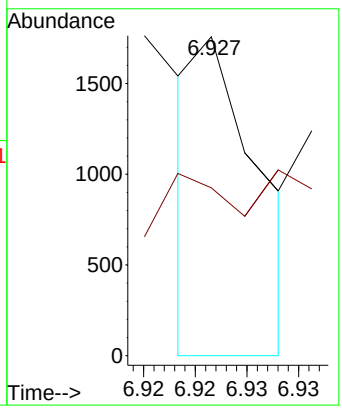


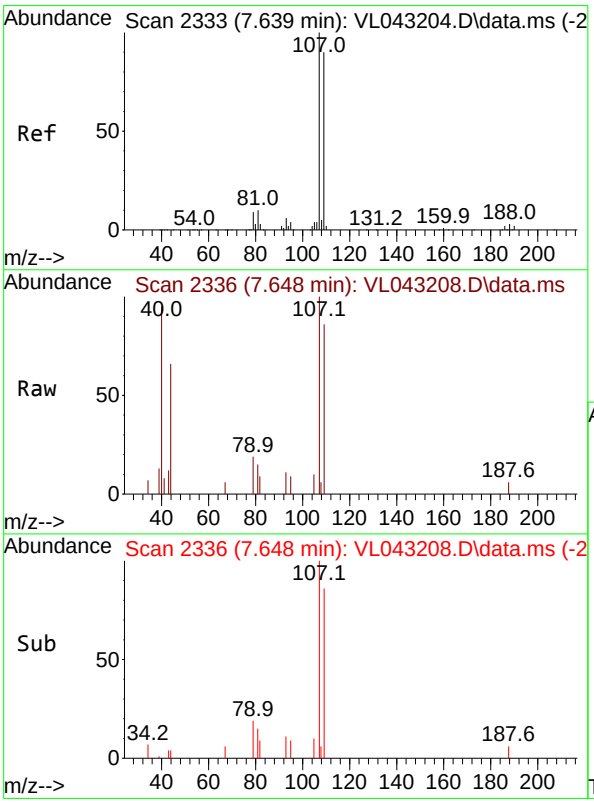
#53
Toluene
Concen: 0.023 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 734

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

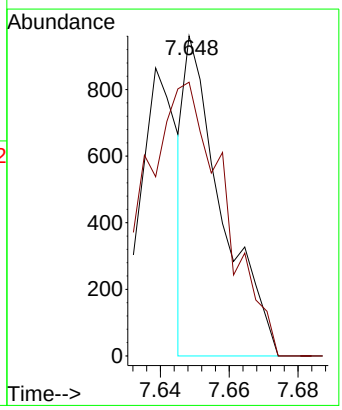


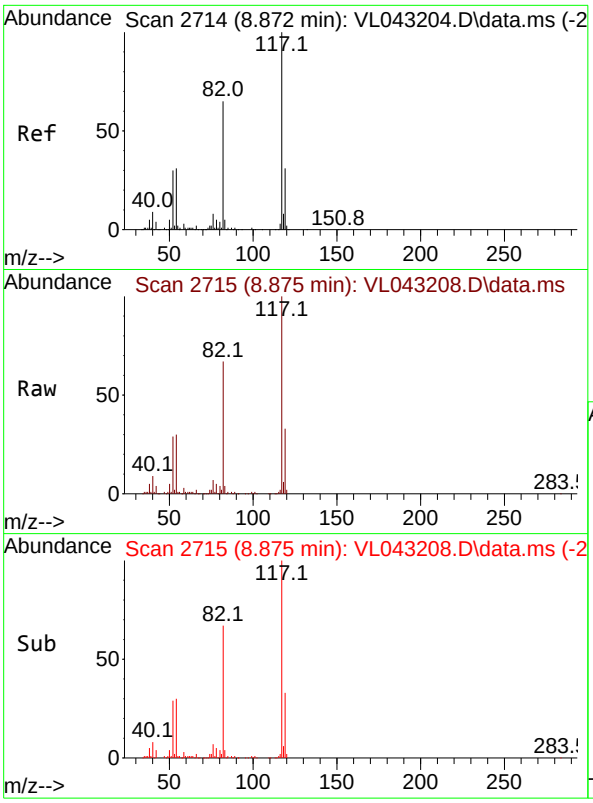


#54
1,2-Dibromoethane
Concen: 0.048 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:107 Resp: 719

Ion	Ratio	Lower	Upper
107	100		
109	85.5	72.1	108.1



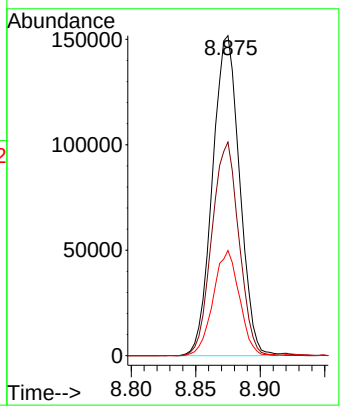


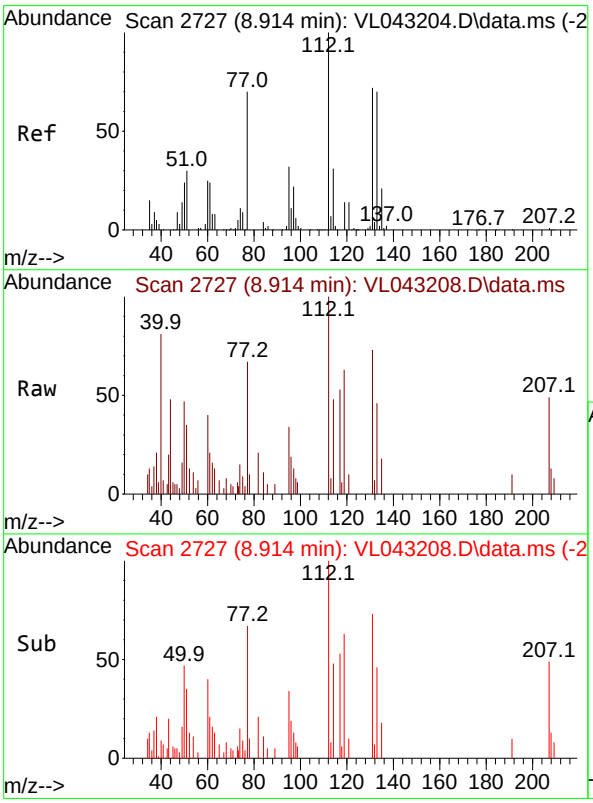
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 222034

Ion	Ratio	Lower	Upper
117	100		
82	66.4	56.1	84.1
119	32.2	25.0	37.6

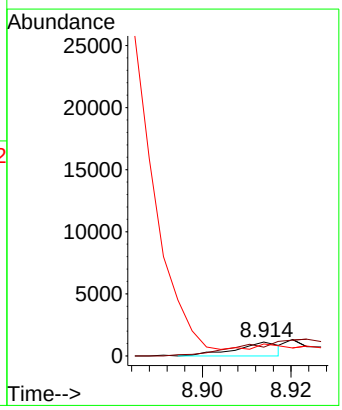


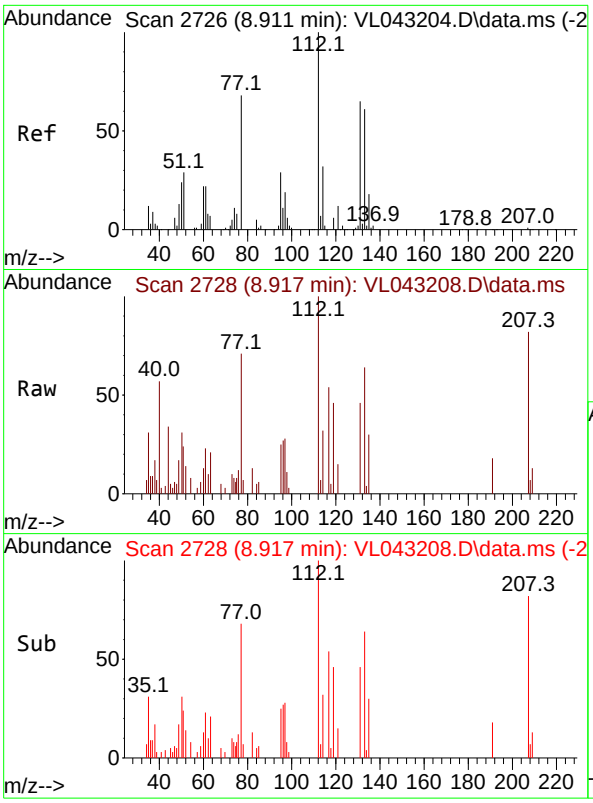


#56
1,1,1,2-Tetrachloroethane
Concen: 0.047 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:131 Resp: 760

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.4	116.2#
119	0.0	49.1	73.7#



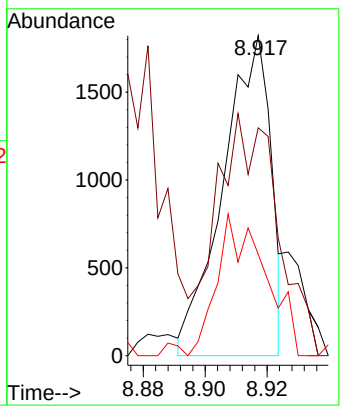


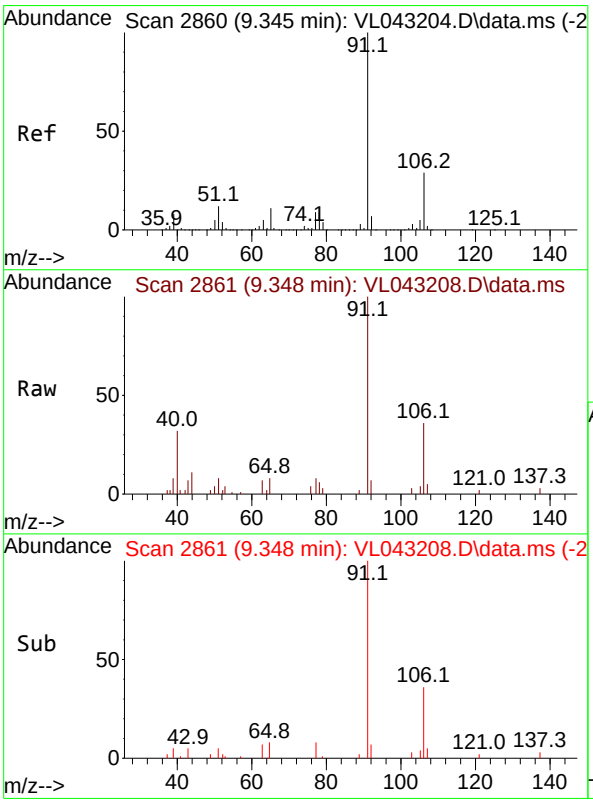
#57
Chlorobenzene
Concen: 0.086 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 1955

Ion	Ratio	Lower	Upper
112	100		
77	48.2	55.5	83.3#
114	30.3	29.1	35.5

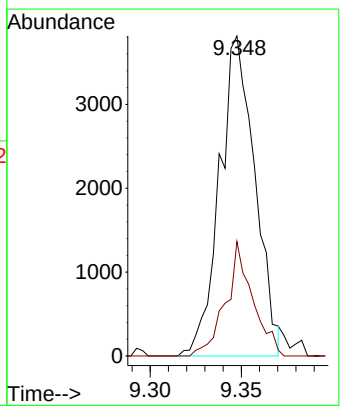


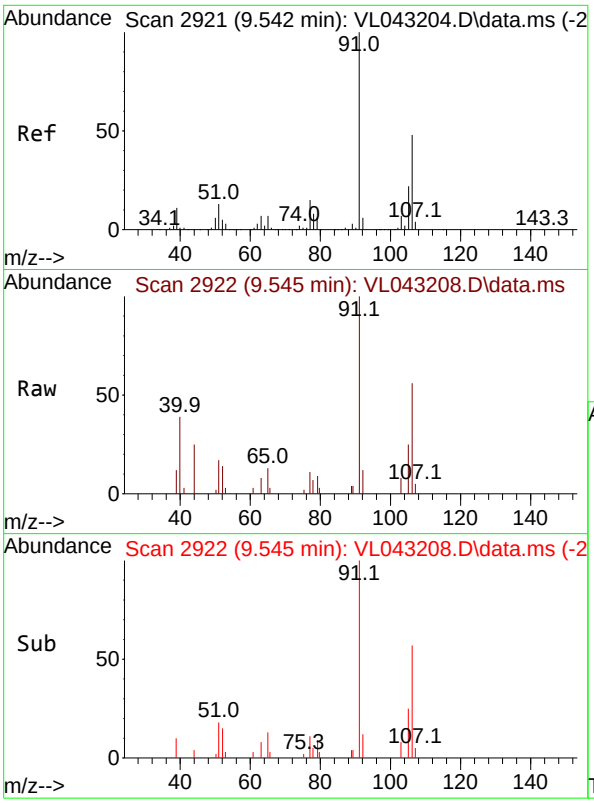


#58
Ethyl Benzene
Concen: 0.121 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 91 Resp: 5157

Ion	Ratio	Lower	Upper
91	100		
106	35.7	22.8	34.2#



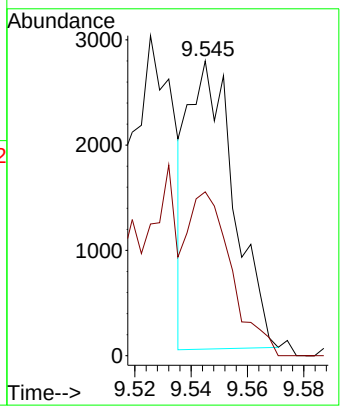


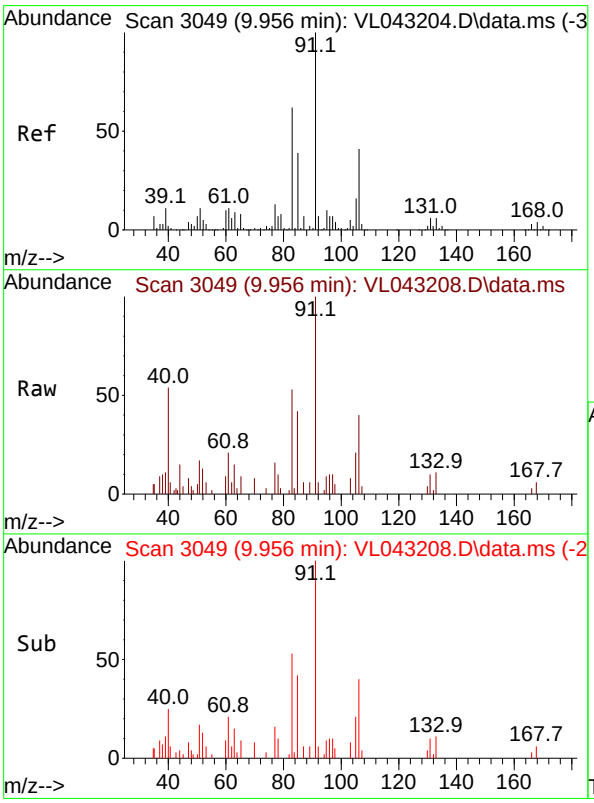
#59
m/p-Xylene
Concen: 0.090 ppbv
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 3099

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

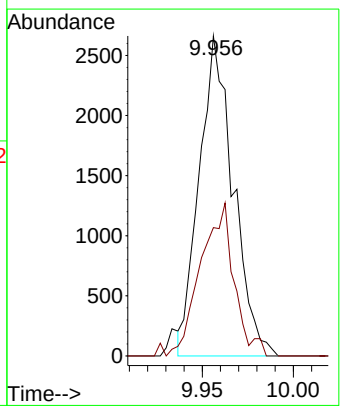


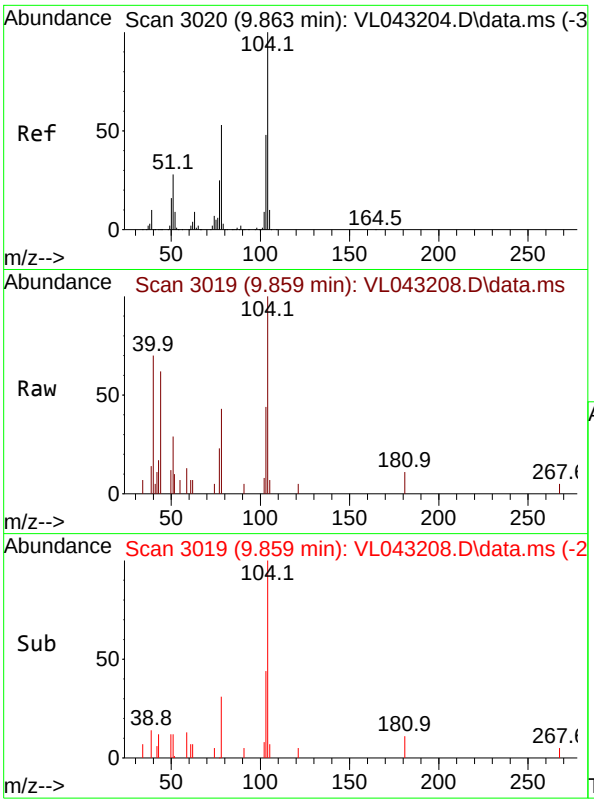


#60
o-Xylene
Concen: 0.101 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 91 Resp: 3453

Ion	Ratio	Lower	Upper
91	100		
106	47.5	20.9	62.8



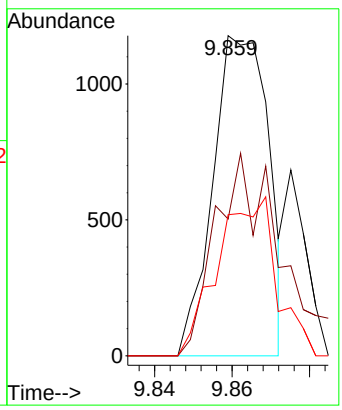


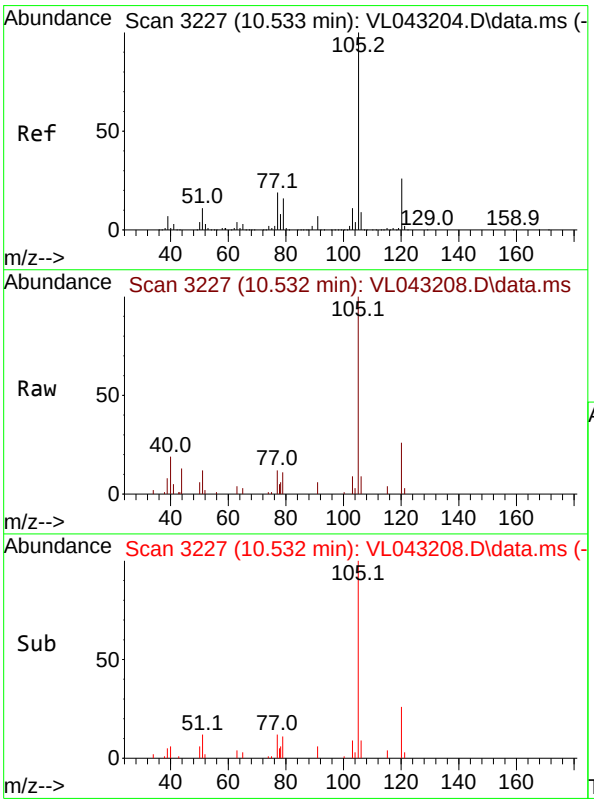
#61
Styrene
Concen: 0.079 ppbv
RT: 9.859 min Scan# 3
Delta R.T. -0.004 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 1176

Ion	Ratio	Lower	Upper
104	100		
78	77.0	42.1	63.1#
103	0.0	37.2	55.8#

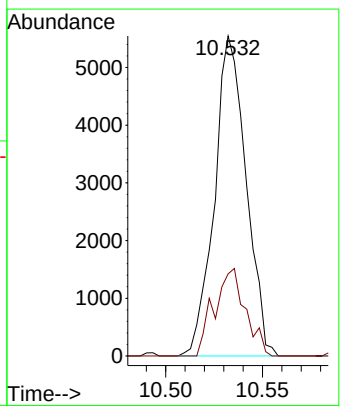


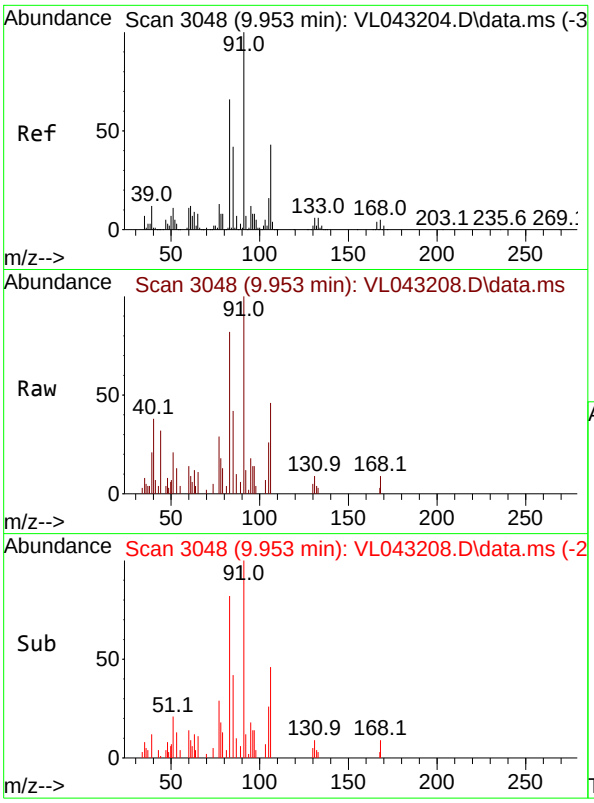


#62
Isopropylbenzene
Concen: 0.103 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:105 Resp: 6313

Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.8	29.8



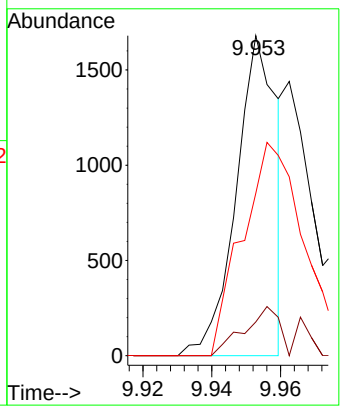


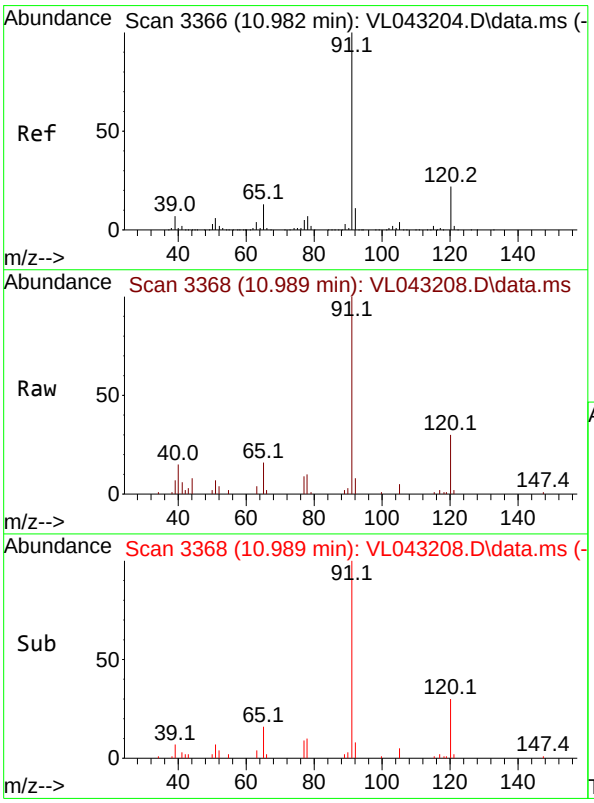
#63
1,1,2,2-Tetrachloroethane
Concen: 0.064 ppbv
RT: 9.953 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 1380

Ion	Ratio	Lower	Upper
83	100		
131	17.4	4.8	14.3#
85	99.1	31.9	95.9#

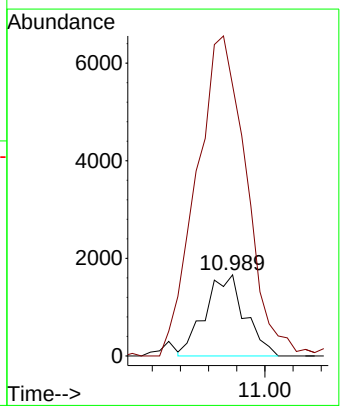


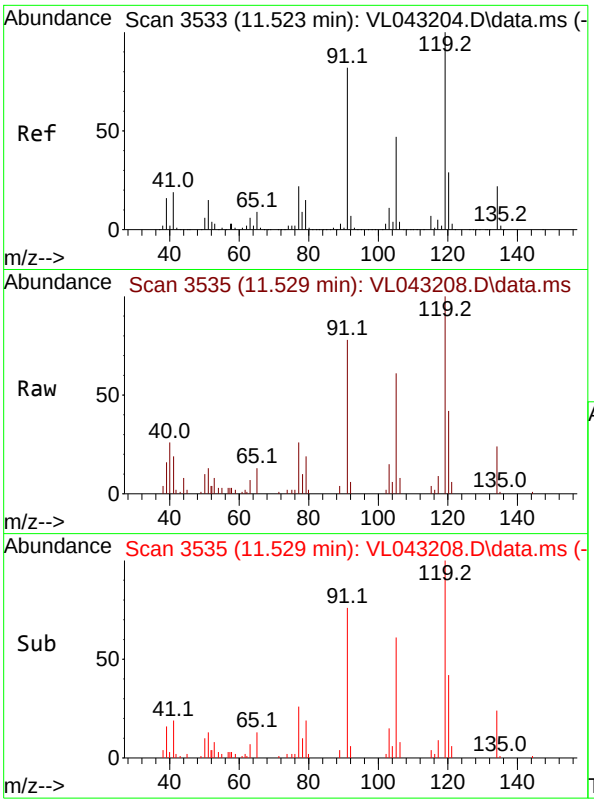


#64
n-propylbenzene
Concen: 0.104 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:120 Resp: 1635

Ion	Ratio	Lower	Upper
120	100		
91	507.0	377.1	565.7



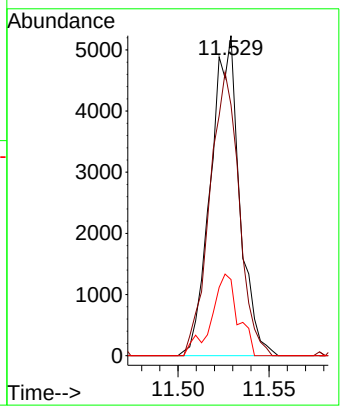


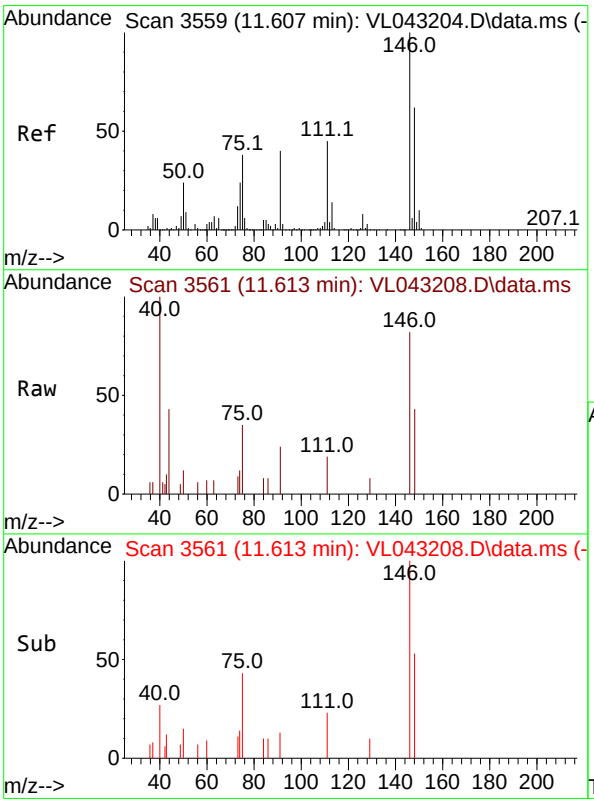
#65
tert-Butylbenzene
Concen: 0.105 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 5745

Ion	Ratio	Lower	Upper
119	100		
91	90.4	65.3	97.9
134	23.6	17.0	25.4

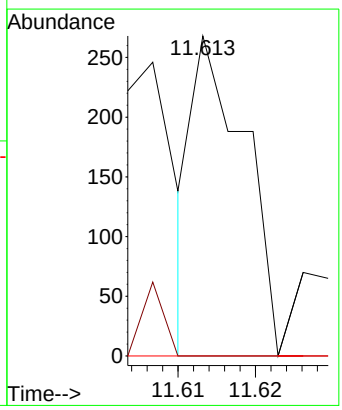


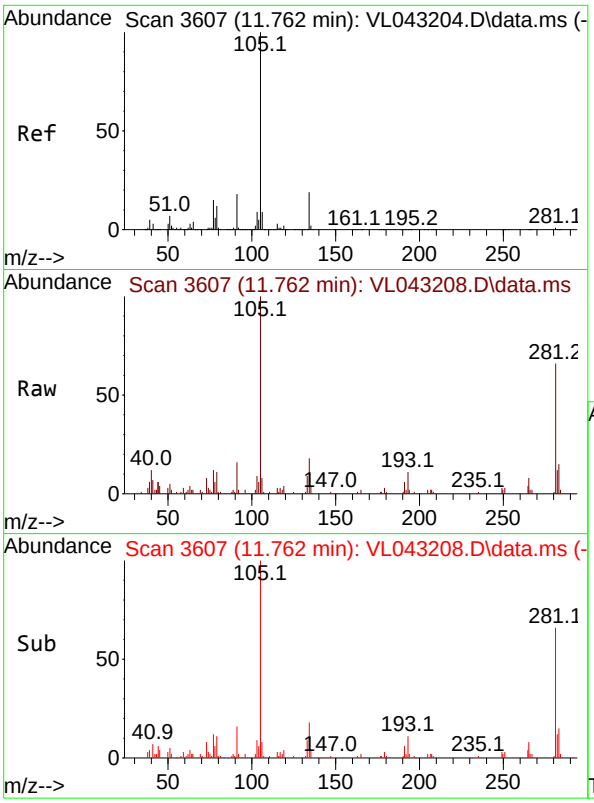


#66
Benzyl Chloride
Concen: 0.023 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 91 Resp: 125

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	21.6#
128	0.0	4.6	6.8#



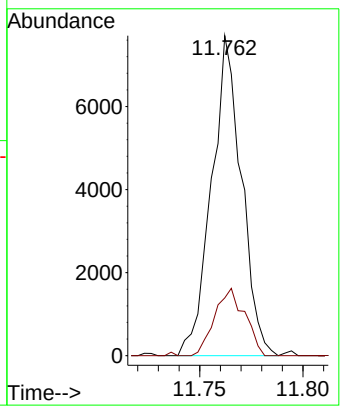


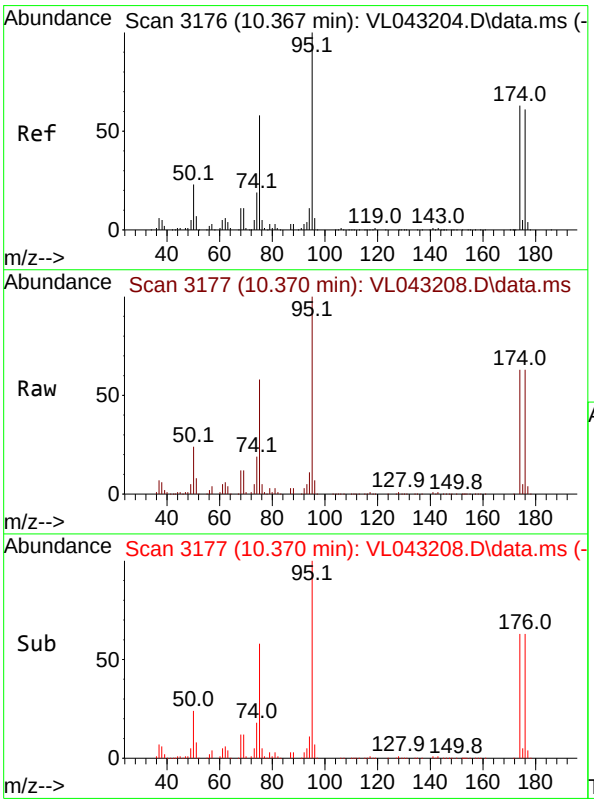
#67
sec-Butylbenzene
Concen: 0.102 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 7764

Ion	Ratio	Lower	Upper
105	100		
134	21.5	15.0	22.6

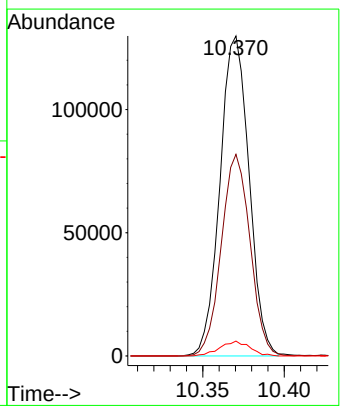


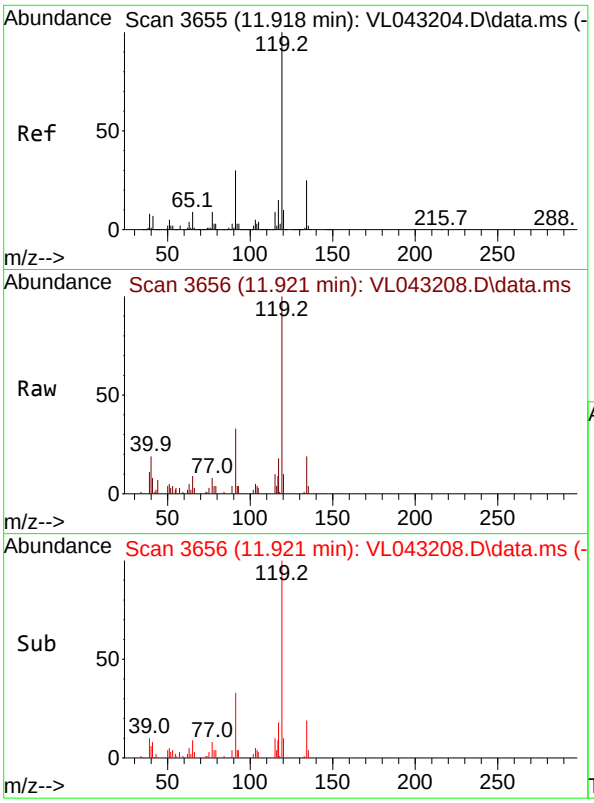


#68
1-Bromo-4-Fluorobenzene
Concen: 9.890 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 95 Resp: 160968

Ion	Ratio	Lower	Upper
95	100		
174	62.5	50.2	75.2
175	4.8	4.1	6.1



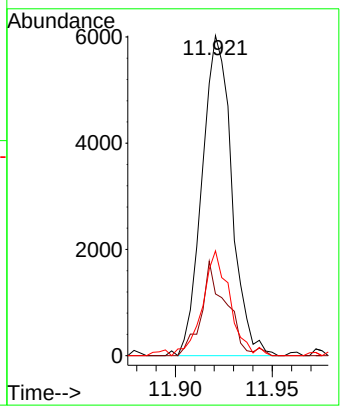


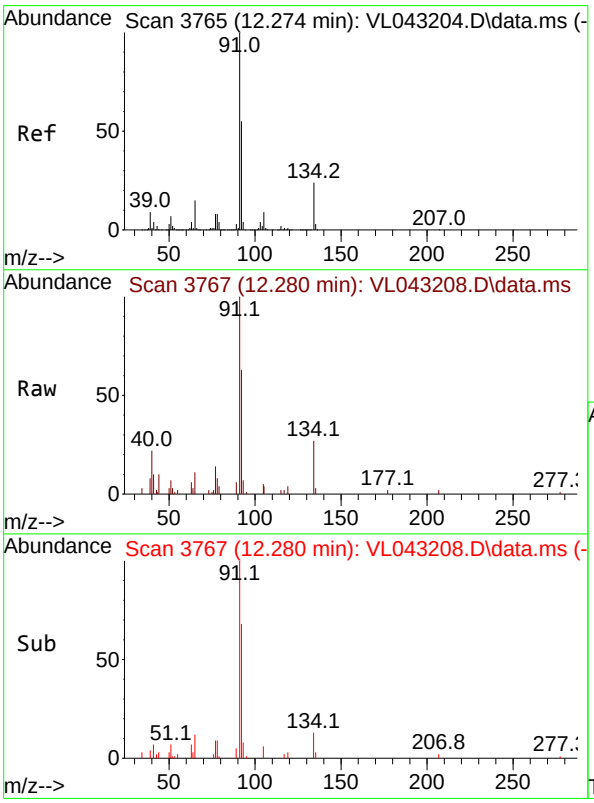
#69
p-Isopropyltoluene
Concen: 0.099 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 6425

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.2	30.2
91	30.8	23.8	35.8

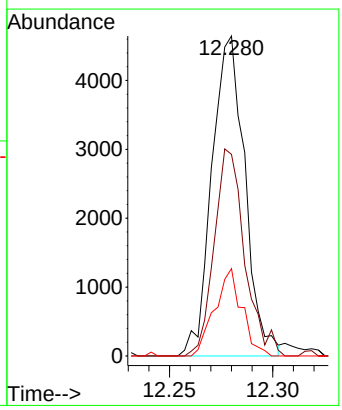


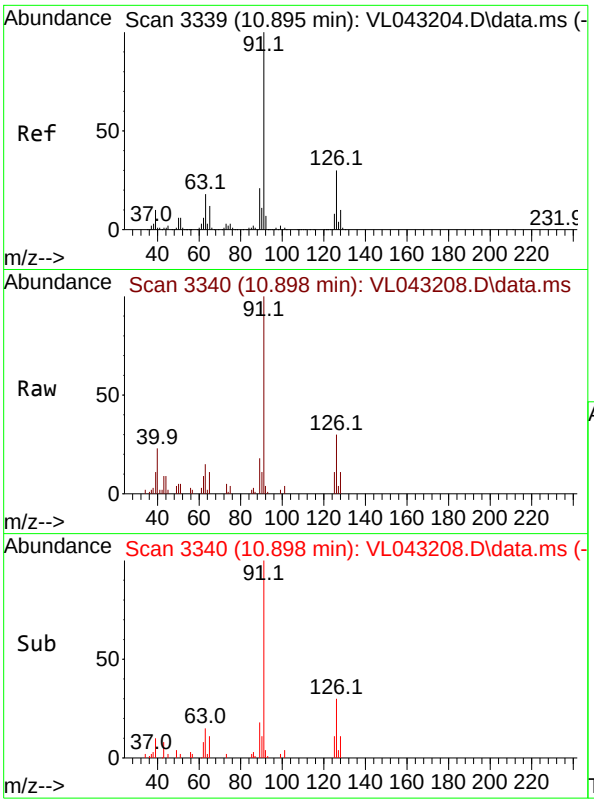


#70
n-Butylbenzene
Concen: 0.082 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 91 Resp: 5160

Ion	Ratio	Lower	Upper
91	100		
92	60.4	43.5	65.3
134	22.5	19.0	28.6



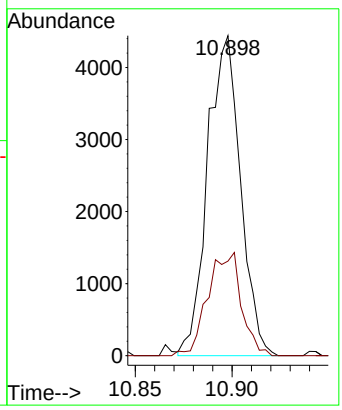


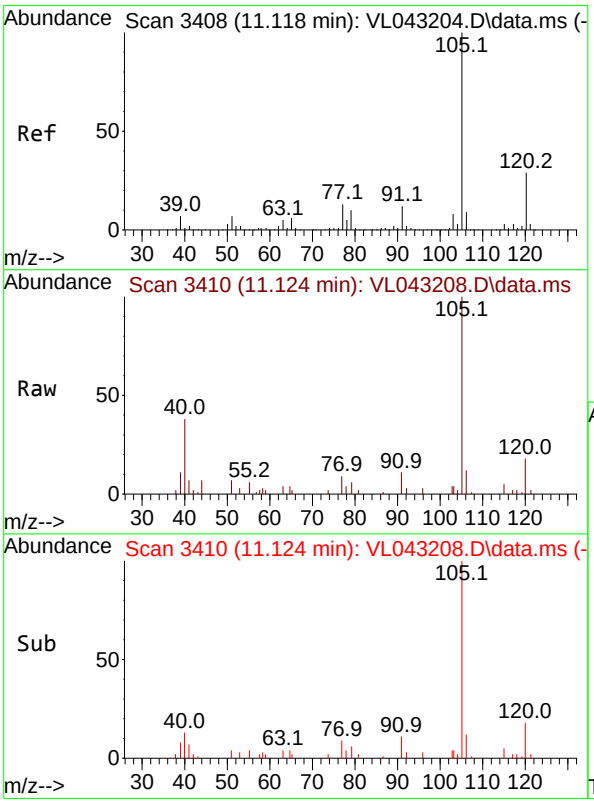
#71
2-Chlorotoluene
Concen: 0.111 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 5248

Ion	Ratio	Lower	Upper
91	100		
126	32.9	11.7	46.7

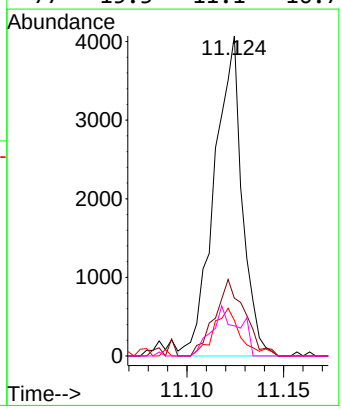


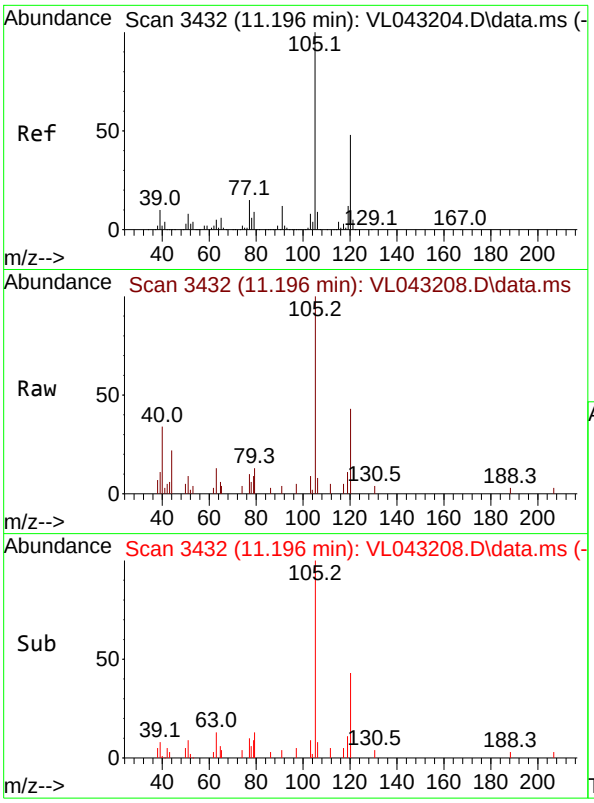


#72
4-Ethyltoluene
Concen: 0.097 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:105 Resp: 4061

Ion	Ratio	Lower	Upper
105	100		
120	27.0	23.8	35.8
91	14.4	10.3	15.5
77	15.3	11.1	16.7



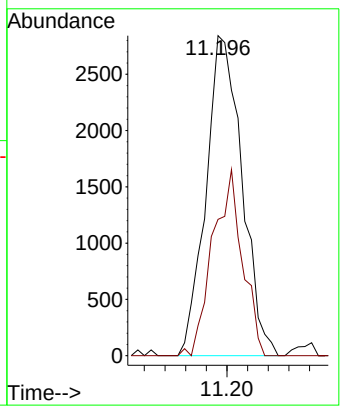


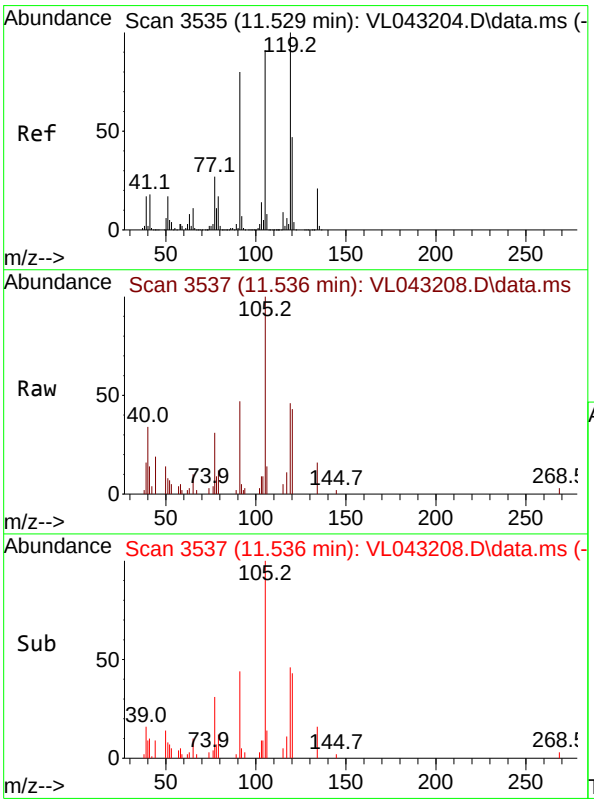
#73
1,3,5-Trimethylbenzene
Concen: 0.098 ppbv
RT: 11.196 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 3445

Ion	Ratio	Lower	Upper
105	100		
120	42.6	38.6	57.8

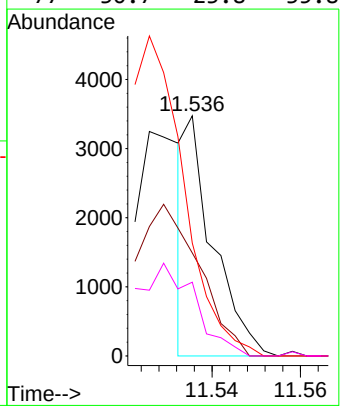


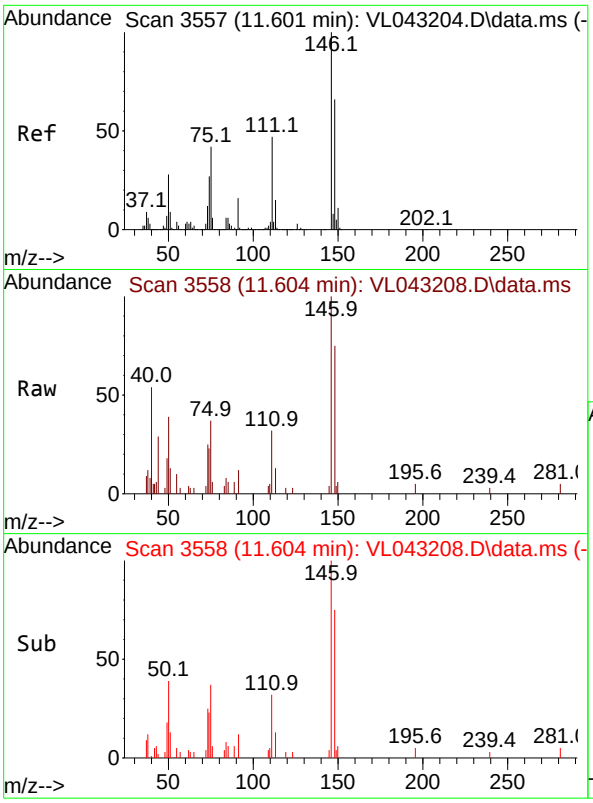


#74
1,2,4-Trimethylbenzene
Concen: 0.039 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:105 Resp: 1485

Ion	Ratio	Lower	Upper
105	100		
120	42.9	41.7	62.5
91	47.0	70.0	105.0#
77	30.7	23.8	35.8



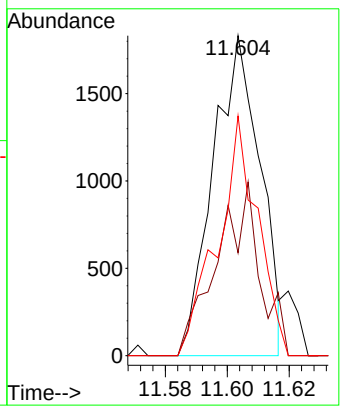


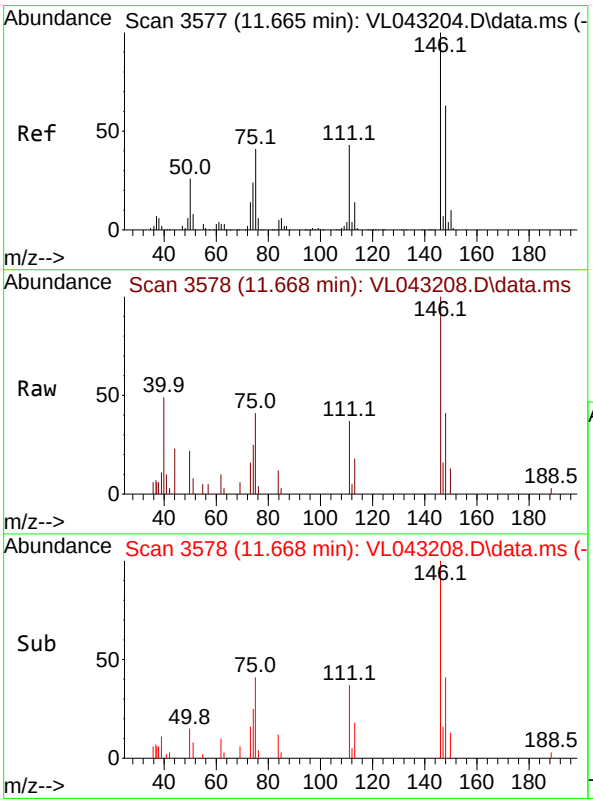
#75
1,3-Dichlorobenzene
Concen: 0.087 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 1935

Ion	Ratio	Lower	Upper
146	100		
111	49.3	23.4	70.3
148	63.5	31.6	95.0

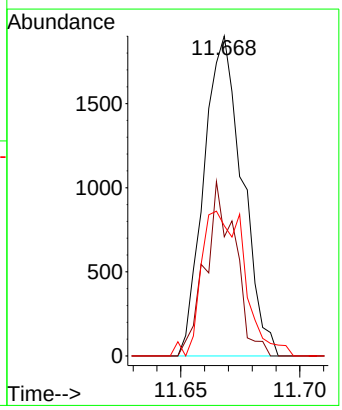


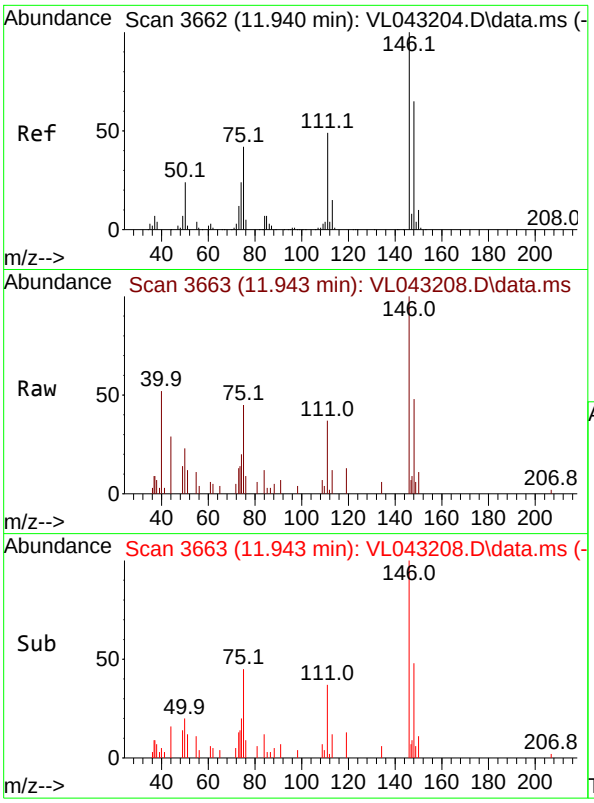


#76
1,4-Dichlorobenzene
Concen: 0.096 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:146 Resp: 2131

Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.8	68.3
148	51.4	31.8	95.4



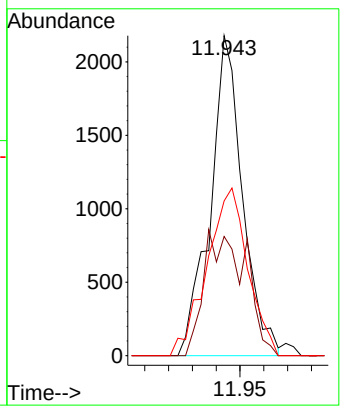


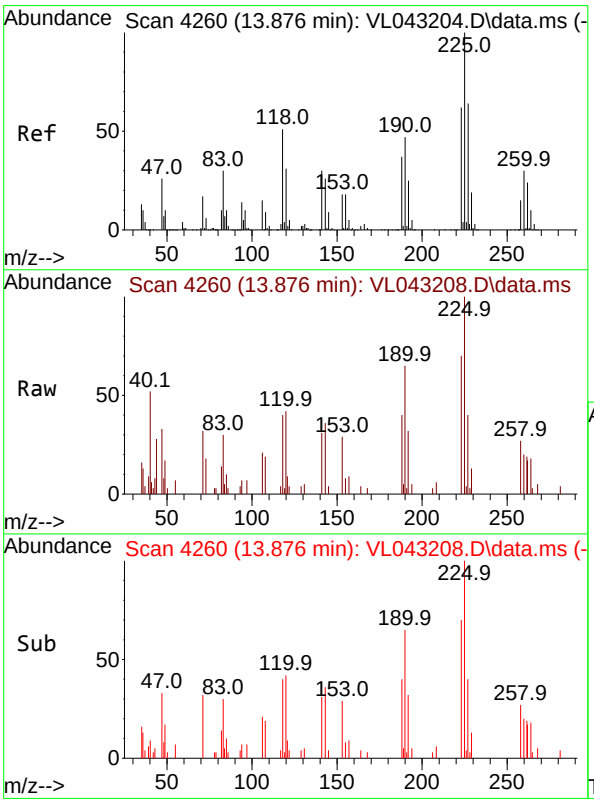
#77
1,2-Dichlorobenzene
Concen: 0.096 ppbv
RT: 11.943 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 2051

Ion	Ratio	Lower	Upper
146	100		
111	50.8	24.3	73.0
148	66.4	31.6	94.7

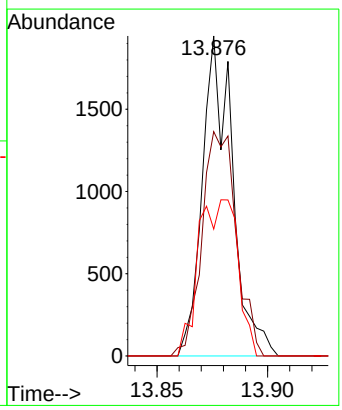


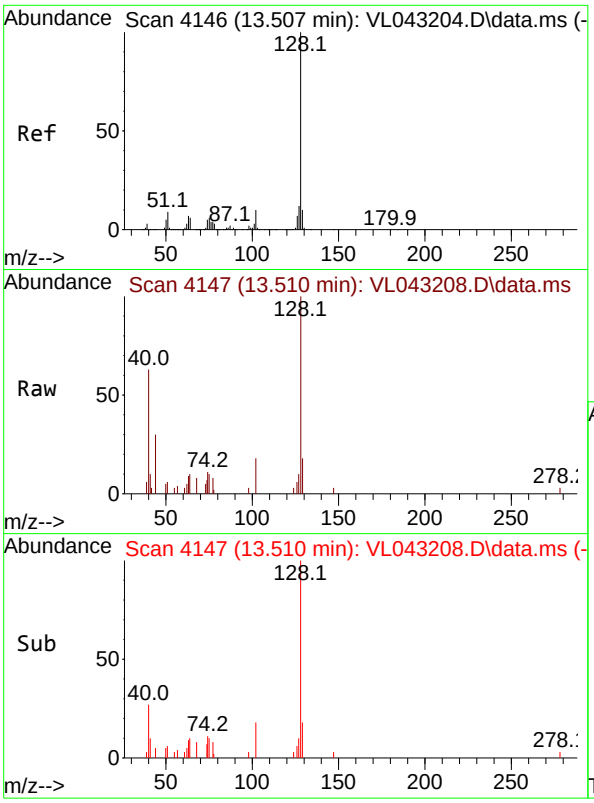


#78
Hexachloro-1,3-Butadiene
Concen: 0.103 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:225 Resp: 1837

Ion	Ratio	Lower	Upper
225	100		
223	79.9	50.2	75.4#
227	64.2	51.1	76.7



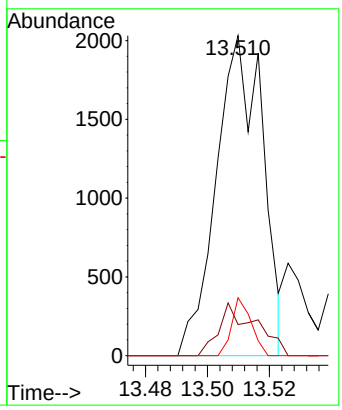


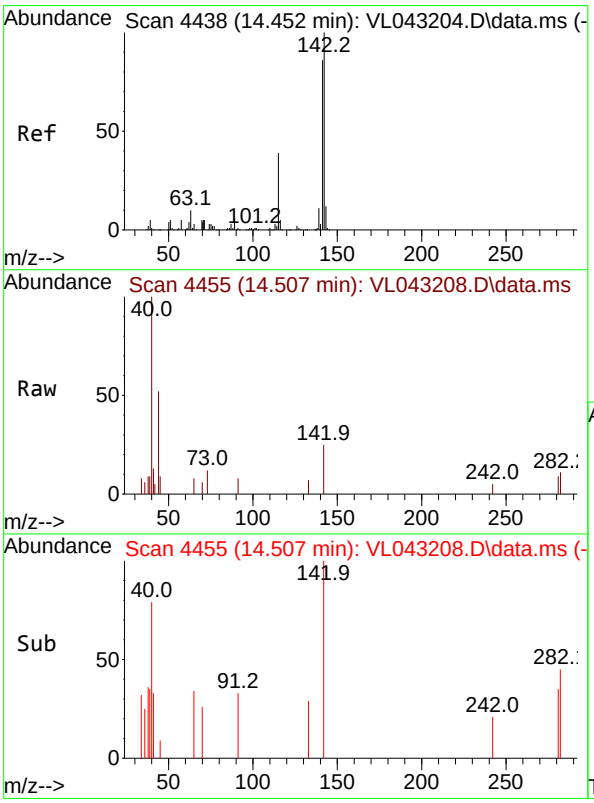
#79
Naphthalene
Concen: 0.062 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 2112

Ion	Ratio	Lower	Upper
128	100		
127	9.7	9.9	14.9#
129	18.1	8.4	12.6#

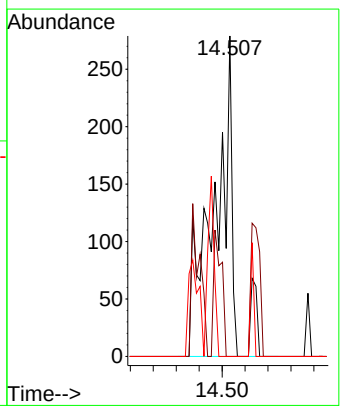


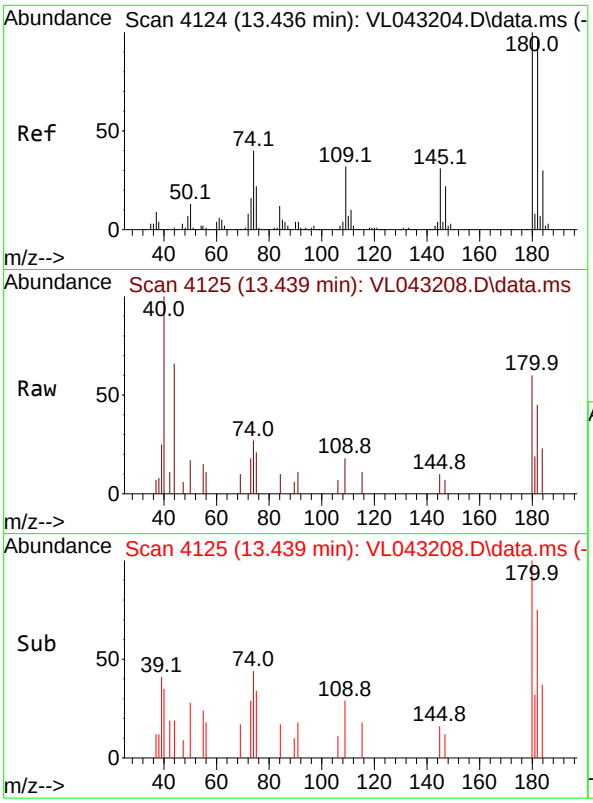


#80
Naphthalene,2-methyl-
Concen: 0.035 ppbv
RT: 14.507 min Scan# 4455
Delta R.T. 0.055 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:142 Resp: 309

Ion	Ratio	Lower	Upper
142	100		
141	38.8	67.1	100.7#
115	36.9	31.9	47.9



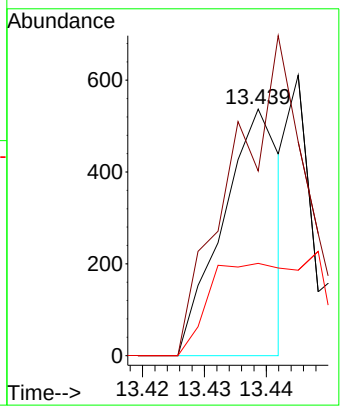


#81
1,2,4-Trichlorobenzene
Concen: 0.023 ppbv
RT: 13.439 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:180 Resp: 350

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.4	116.2#
184	0.0	24.2	36.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043209.D
Acq On : 18 Nov 2025 12:49
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Nov 19 00:52:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	98952	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	266012	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	213547	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	152015	9.712	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.554	85	381	0.027	ppbv		100
3) Chlorodifluoromethane	1.638	51	673	0.049	ppbv		95
4) Chloromethane	1.535	50	260	0.050	ppbv	#	71
5) Vinyl Chloride	1.580	62	150	0.026	ppbv	#	86
6) Bromomethane	1.667	94	148	0.054	ppbv	#	23
7) Chloroethane	1.706	64	109	0.049	ppbv	#	76
8) Dichlorotetrafluoroethane	1.554	85	381	0.033	ppbv		99
9) Propene	1.489	41	440	0.069	ppbv	#	1
10) Heptane	4.969	43	193	0.011	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	277	0.020	ppbv		86
12) 1,1,2-Trichlorotrifluo...	2.137	101	368	0.035	ppbv		96
13) Ethanol	1.719	45	229	0.112	ppbv	#	38
14) Bromoethene	1.777	108	102	0.025	ppbv	#	55
15) Acetone	1.839	43	1490	0.108	ppbv	#	86
16) 1,3-Butadiene	1.606	39	392	0.064	ppbv	#	12
17) tert-Butyl alcohol	2.040	59	506	0.028	ppbv	#	71
18) 1,1-Dichloroethene	2.033	96	130	0.026	ppbv	#	90
19) Isopropyl Alcohol	1.887	45	746	0.096	ppbv	#	49
20) Methylene Chloride	2.059	84	3122	Below Cal		#	93
21) Allyl Chloride	2.095	41	774	0.084	ppbv	#	23
22) trans-1,2-Dichloroethene	2.337	96	240	0.043	ppbv	#	56
23) Vinyl Acetate	2.457	43	627	0.038	ppbv	#	78
24) 1,1-Dichloroethane	2.402	63	453	0.042	ppbv	#	86
25) Ethyl Acetate	2.836	43	455	0.015	ppbv	#	82
26) Hexane	2.820	57	499	0.038	ppbv	#	1
27) Carbon Disulfide	2.153	76	477	0.036	ppbv	#	1
28) Methyl tert-Butyl Ether	2.438	73	181	0.028	ppbv	#	50
29) Chloroform	2.399	83	140	0.008	ppbv		95
30) Cyclohexane	3.846	84	179	0.016	ppbv	#	1
31) cis-1,2-Dichloroethene	2.719	61	369	0.029	ppbv	#	90
32) 1,1,1-Trichloroethane	3.363	97	153	0.008	ppbv	#	1
34) 2-Butanone	2.545	43	88	0.005	ppbv	#	53
35) Carbon Tetrachloride	3.758	117	558	0.028	ppbv	#	61
36) Benzene	3.651	78	323	0.013	ppbv	#	11
37) 1,2-Dichloroethane	3.211	62	298	0.020	ppbv	#	80
38) Trichloroethene	4.542	130	123	0.012	ppbv	#	49
39) 1,2-Dichloropropane	3.949	63	68235	7.318	ppbv	#	24
40) 1,4-Dioxane	4.606	88	75	0.018	ppbv	#	1
41) Tetrahydrofuran	3.053	42	118	0.011	ppbv	#	37
42) Bromodichloromethane	4.483	83	268	0.013	ppbv	#	24
43) Methyl Methacrylate	4.868	69	145	0.011	ppbv	#	1
44) 2,2,4-Trimethylpentane	4.629	57	595	0.014	ppbv	#	41
45) t-1,3-Dichloropropene	6.403	75	232	0.018	ppbv	#	44

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043209.D
Acq On : 18 Nov 2025 12:49
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Nov 19 00:52:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

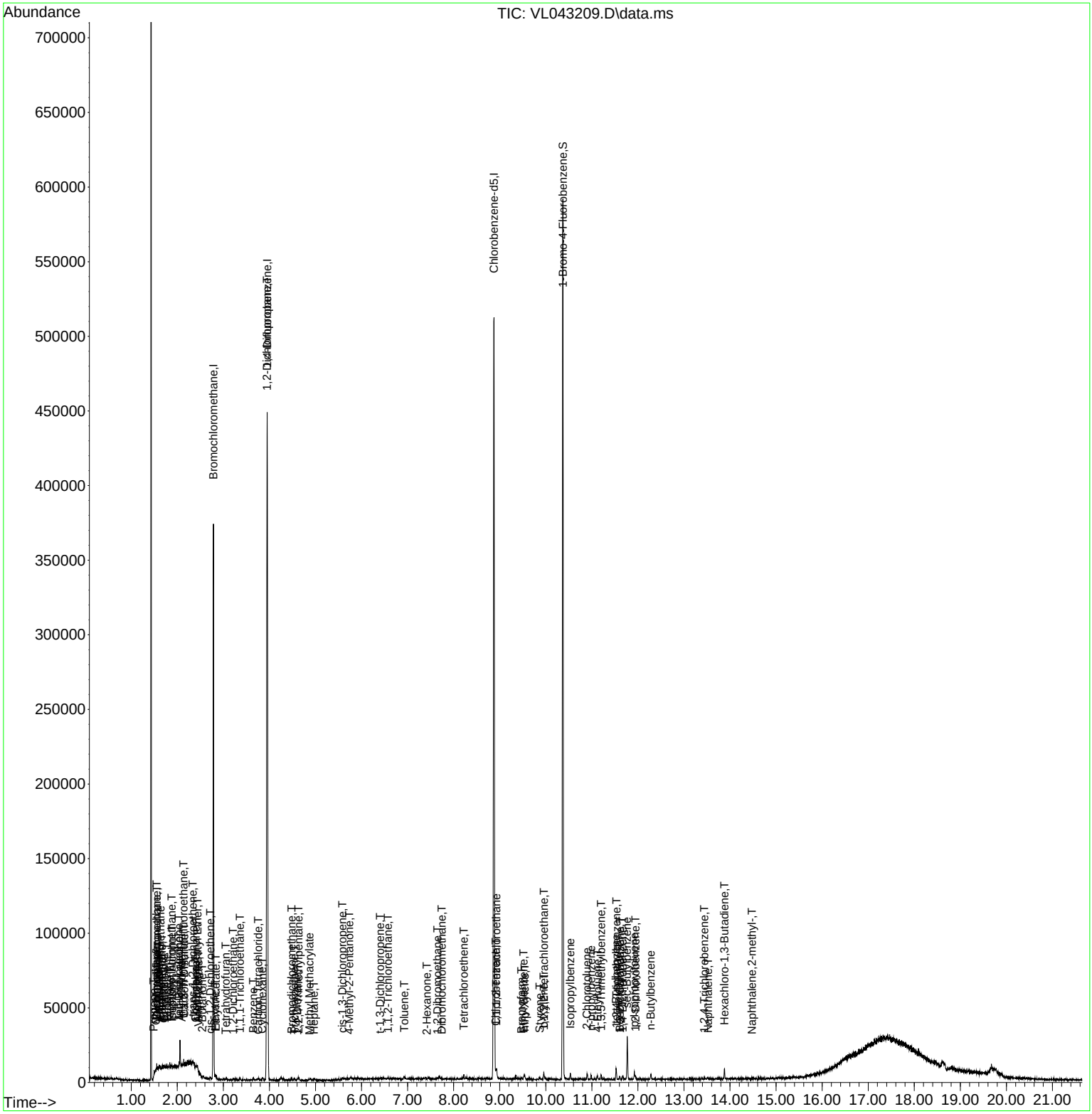
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	123	0.008	ppbv	#	37
47) 1,1,2-Trichloroethane	6.574	97	122	0.012	ppbv	#	51
48) Dibromochloromethane	7.743	129	34	0.002	ppbv		62
49) Bromoform	9.471	173	102	0.007	ppbv	#	1
50) 4-Methyl-2-Pentanone	5.736	43	140	0.005	ppbv	#	39
51) 2-Hexanone	7.419	43	61	0.003	ppbv	#	29
52) Tetrachloroethene	8.222	164	158	0.017	ppbv	#	48
53) Toluene	6.930	91	323	0.011	ppbv	#	21
54) 1,2-Dibromoethane	7.645	107	102	0.007	ppbv		87
56) 1,1,1,2-Tetrachloroethane	8.927	131	114	0.007	ppbv	#	1
57) Chlorobenzene	8.914	112	429	0.020	ppbv	#	55
58) Ethyl Benzene	9.519	91	613	0.015	ppbv		91
59) m/p-Xylene	9.545	91	299	0.009	ppbv	#	1
60) o-Xylene	9.956	91	1078	0.033	ppbv		99
61) Styrene	9.869	104	300	0.021	ppbv	#	54
62) Isopropylbenzene	10.533	105	1990	0.034	ppbv		90
63) 1,1,2,2-Tetrachloroethane	9.963	83	306	0.015	ppbv	#	47
64) n-propylbenzene	10.982	120	316	0.021	ppbv		82
65) tert-Butylbenzene	11.526	119	1740	0.033	ppbv		98
66) Benzyl Chloride	11.607	91	62	0.012	ppbv	#	65
67) sec-Butylbenzene	11.762	105	2398	0.033	ppbv	#	70
69) p-Isopropyltoluene	11.924	119	1875	0.030	ppbv	#	91
70) n-Butylbenzene	12.277	91	1502	0.025	ppbv		94
71) 2-Chlorotoluene	10.895	91	1463	0.032	ppbv		98
72) 4-Ethyltoluene	11.125	105	408	0.010	ppbv	#	61
73) 1,3,5-Trimethylbenzene	11.203	105	1041	0.031	ppbv	#	68
74) 1,2,4-Trimethylbenzene	11.536	105	789	0.021	ppbv	#	49
75) 1,3-Dichlorobenzene	11.610	146	214	0.010	ppbv	#	1
76) 1,4-Dichlorobenzene	11.669	146	292	0.014	ppbv	#	1
77) 1,2-Dichlorobenzene	11.947	146	561	0.027	ppbv		81
78) Hexachloro-1,3-Butadiene	13.876	225	622	0.036	ppbv	#	83
79) Naphthalene	13.520	128	504	0.015	ppbv	#	13
80) Naphthalene,2-methyl-	14.475	142	58	0.007	ppbv	#	36
81) 1,2,4-Trichlorobenzene	13.442	180	150	0.010	ppbv	#	46

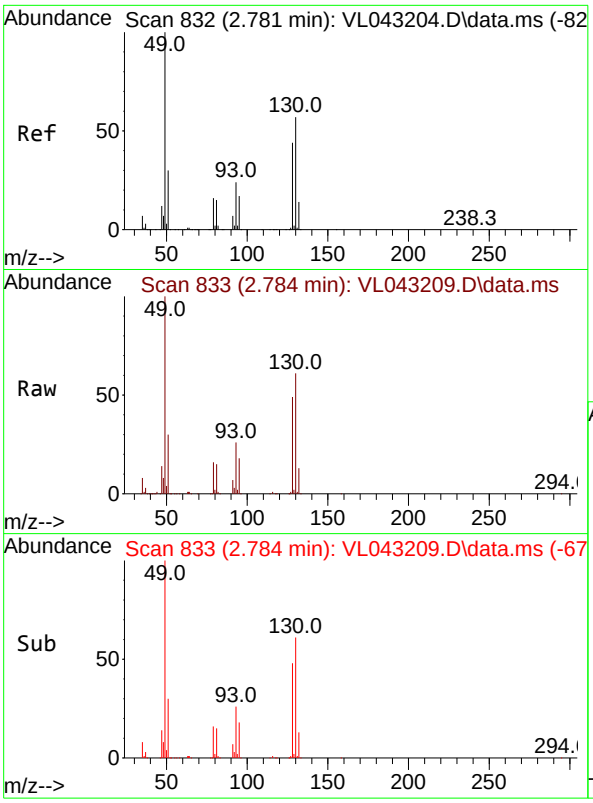
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043209.D
Acq On : 18 Nov 2025 12:49
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Nov 19 00:52:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



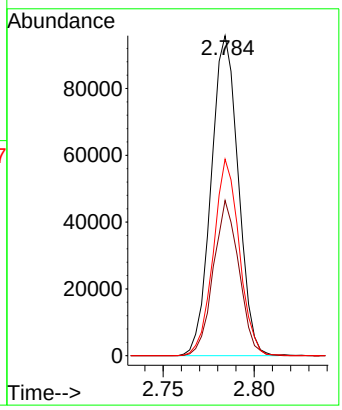


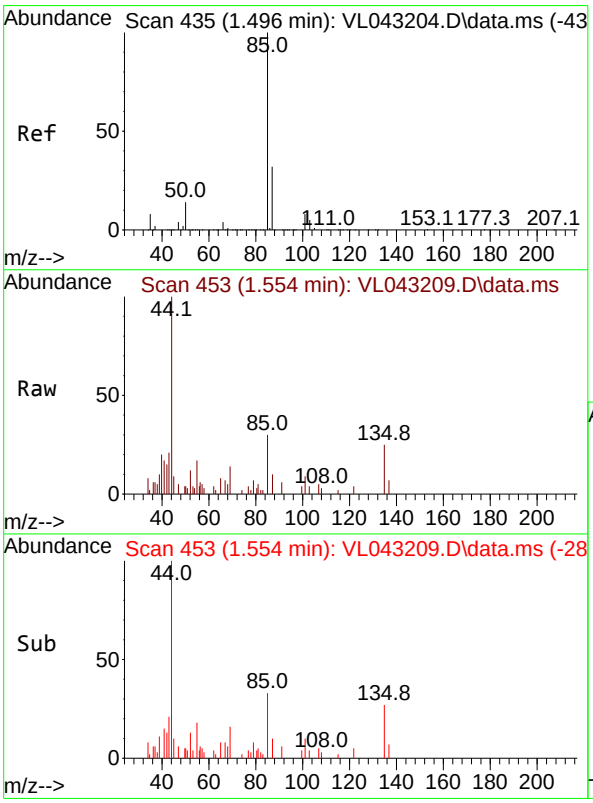
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 98952

Ion	Ratio	Lower	Upper
49	100		
128	45.9	23.0	69.0
130	58.8	29.9	89.7

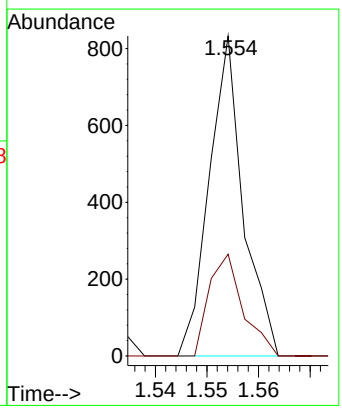


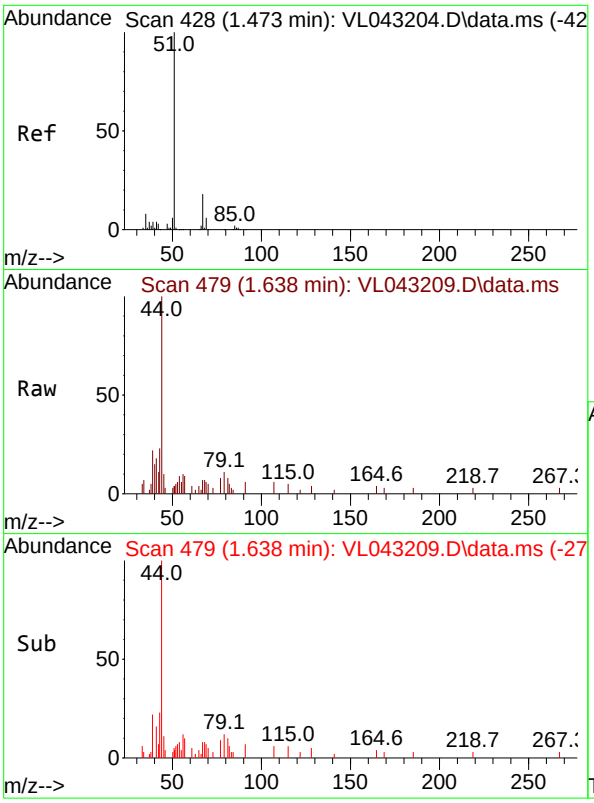


#2
Dichlorodifluoromethane
Concen: 0.027 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.058 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 85 Resp: 381

Ion	Ratio	Lower	Upper
85	100		
87	31.8	25.4	38.2



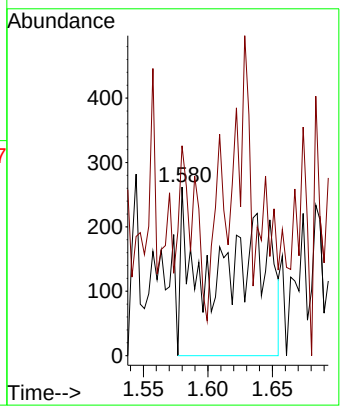


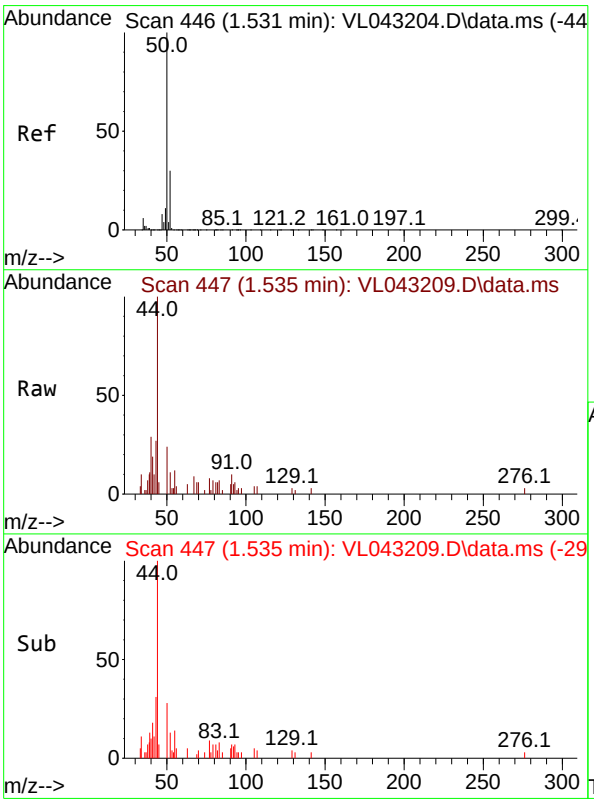
#3
Chlorodifluoromethane
Concen: 0.049 ppbv
RT: 1.638 min Scan# 4
Delta R.T. 0.165 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 673

Ion	Ratio	Lower	Upper
51	100		
67	20.8	14.9	22.3

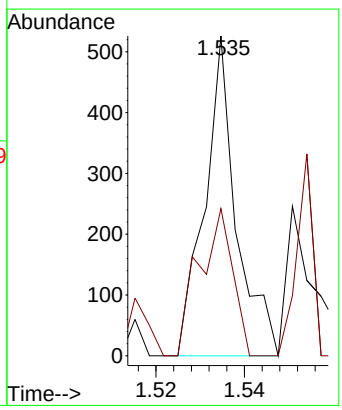


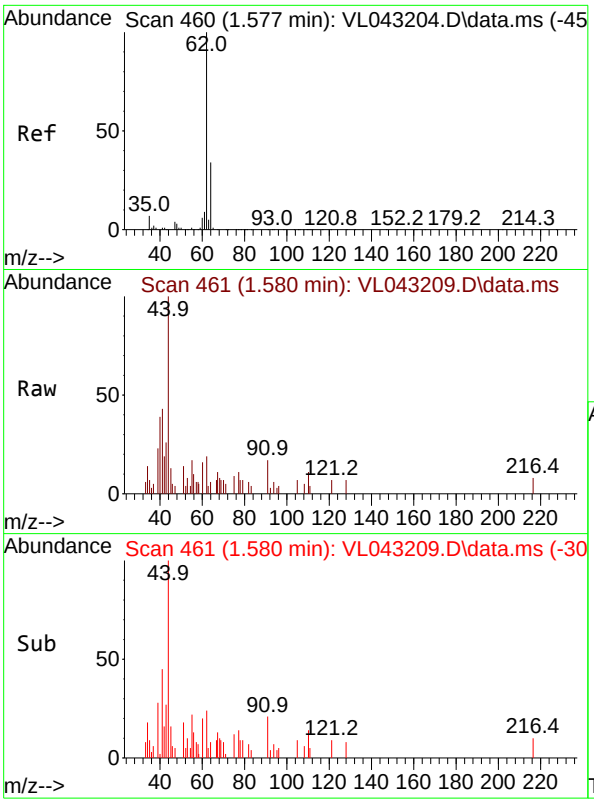


#4
Chloromethane
Concen: 0.050 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 50 Resp: 260

Ion	Ratio	Lower	Upper
50	100		
52	46.0	24.1	36.1#



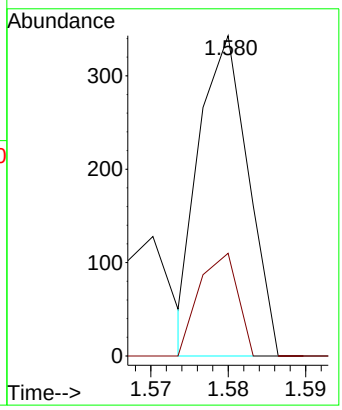


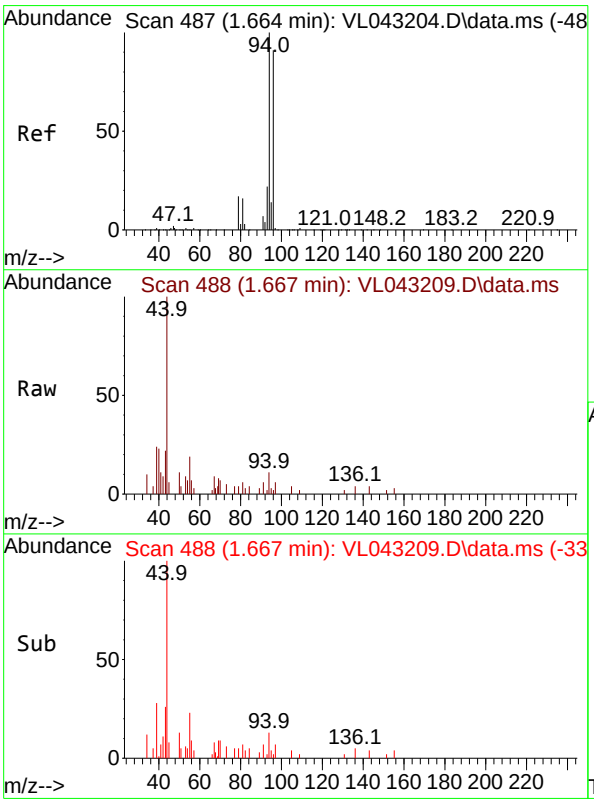
#5
Vinyl Chloride
Concen: 0.026 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 150

Ion	Ratio	Lower	Upper
62	100		
64	26.3	27.3	40.9#

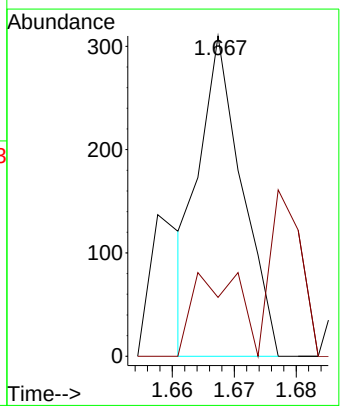


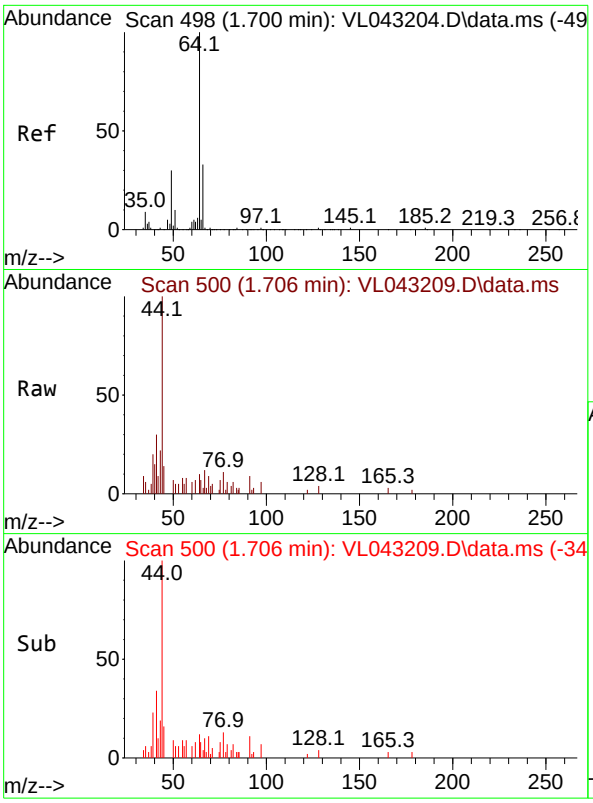


#6
Bromomethane
Concen: 0.054 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 94 Resp: 148

Ion	Ratio	Lower	Upper
94	100		
96	18.4	72.9	109.3#



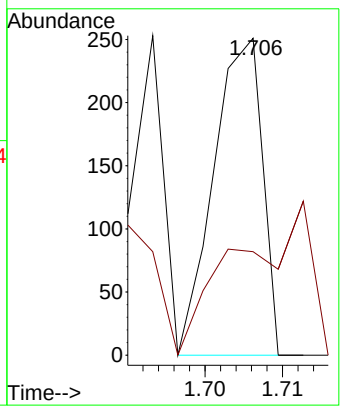


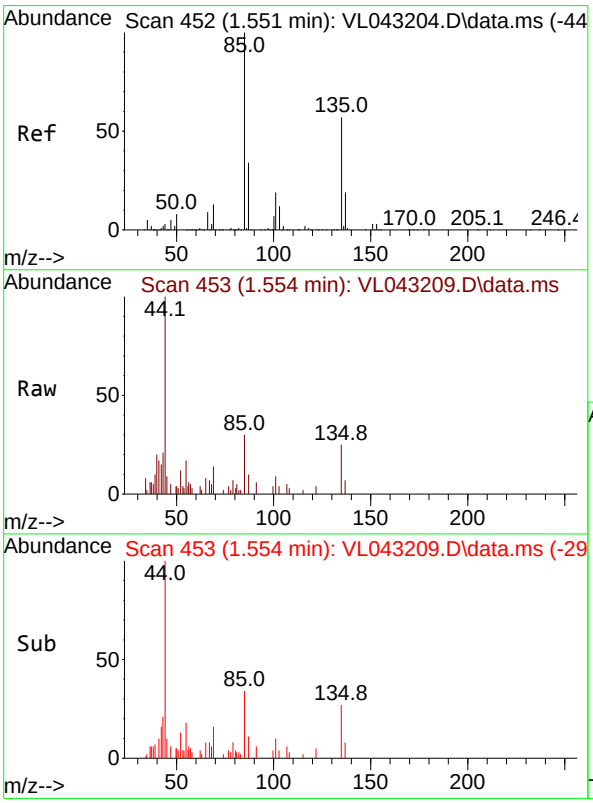
#7
Chloroethane
Concen: 0.049 ppbv
RT: 1.706 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 109

Ion	Ratio	Lower	Upper
64	100		
66	19.6	26.8	40.2#

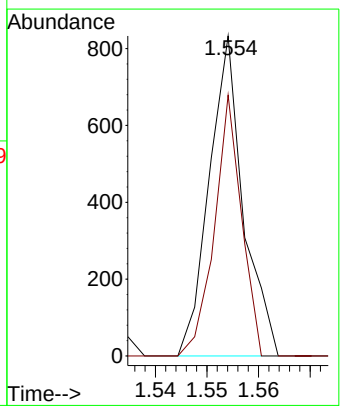


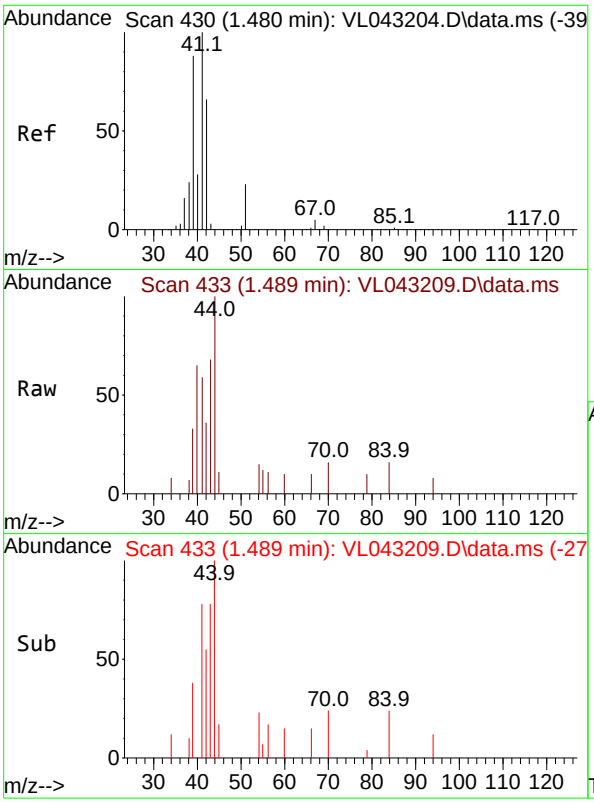


#8
Dichlorotetrafluoroethane
Concen: 0.033 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 85 Resp: 381

Ion	Ratio	Lower	Upper
85	100		
135	64.8	52.6	79.0



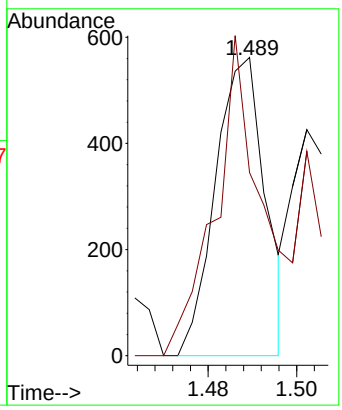


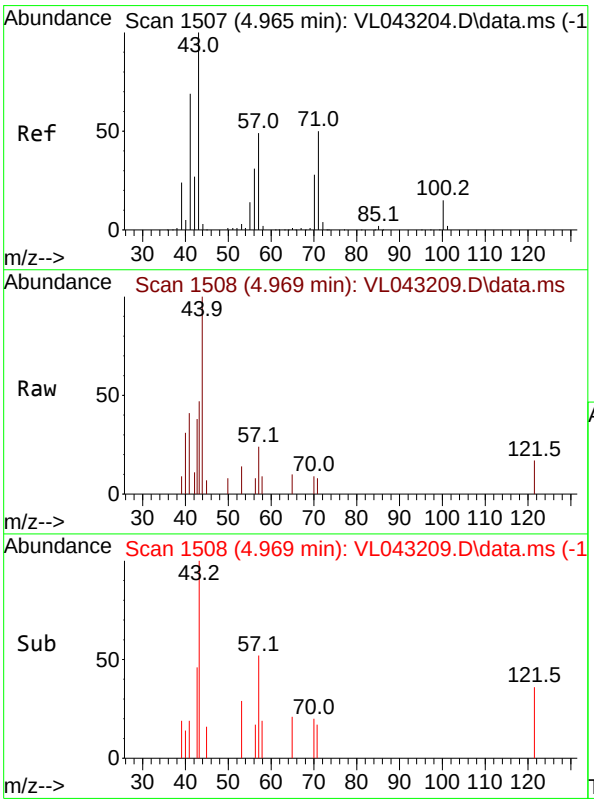
#9
Propene
Concen: 0.069 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 440

Ion	Ratio	Lower	Upper
41	100		
42	147.5	3.7	5.5#

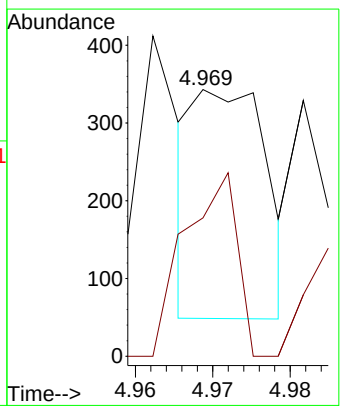


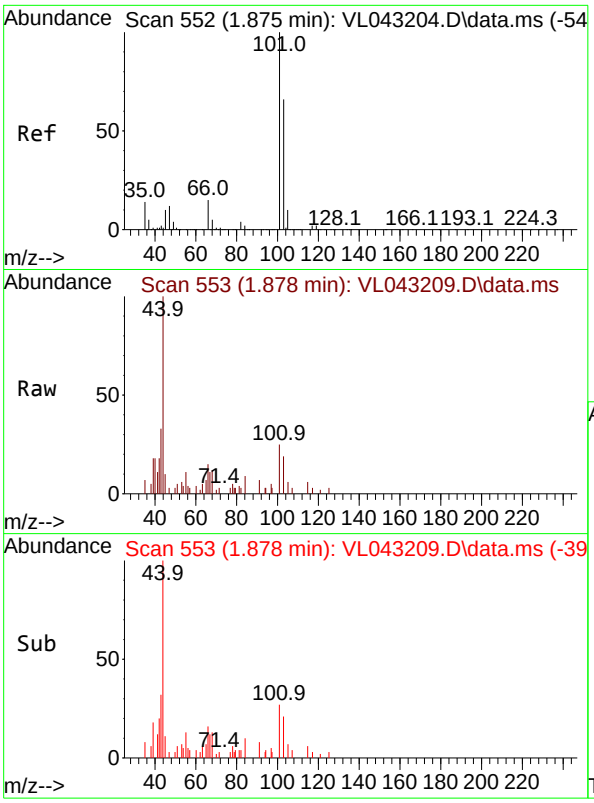


#10
Heptane
Concen: 0.011 ppbv
RT: 4.969 min Scan# 1508
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 43 Resp: 193

Ion	Ratio	Lower	Upper
43	100		
57	146.1	39.7	59.5#



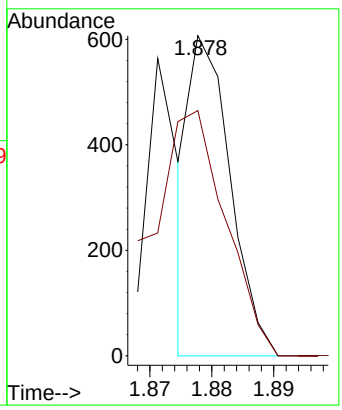


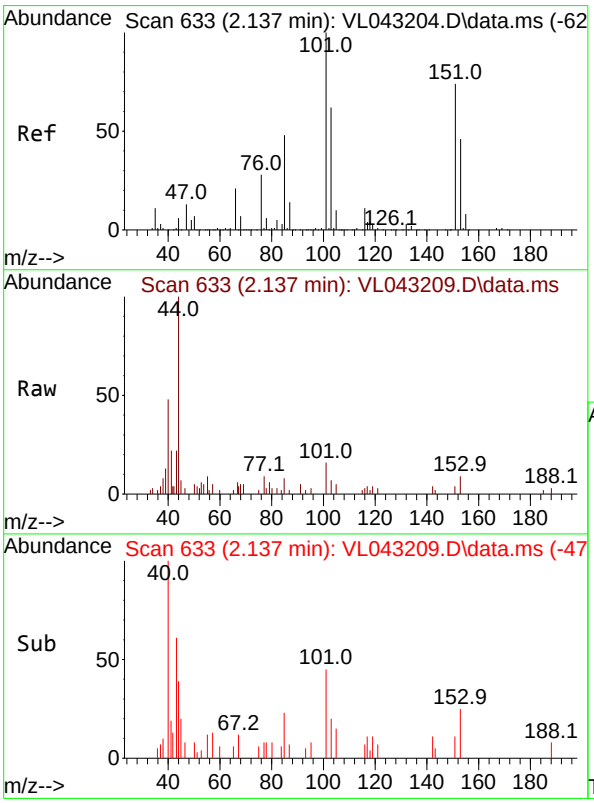
#11
Trichlorofluoromethane
Concen: 0.020 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 277

Ion	Ratio	Lower	Upper
101	100		
103	76.6	52.6	79.0

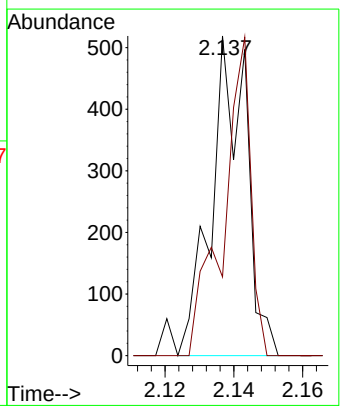


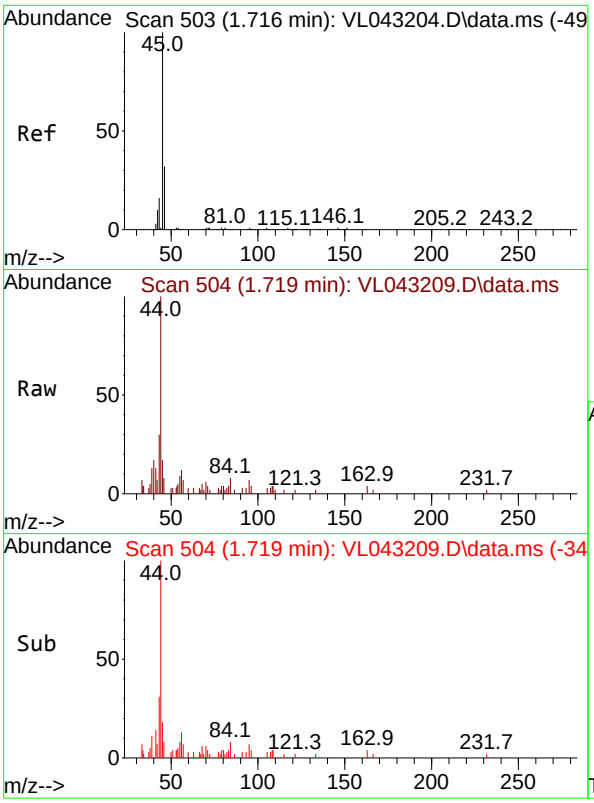


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.035 ppbv
RT: 2.137 min Scan# 633
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:101 Resp: 368

Ion	Ratio	Lower	Upper
101	100		
151	77.4	59.2	88.8



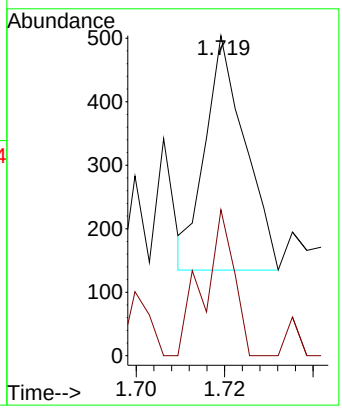


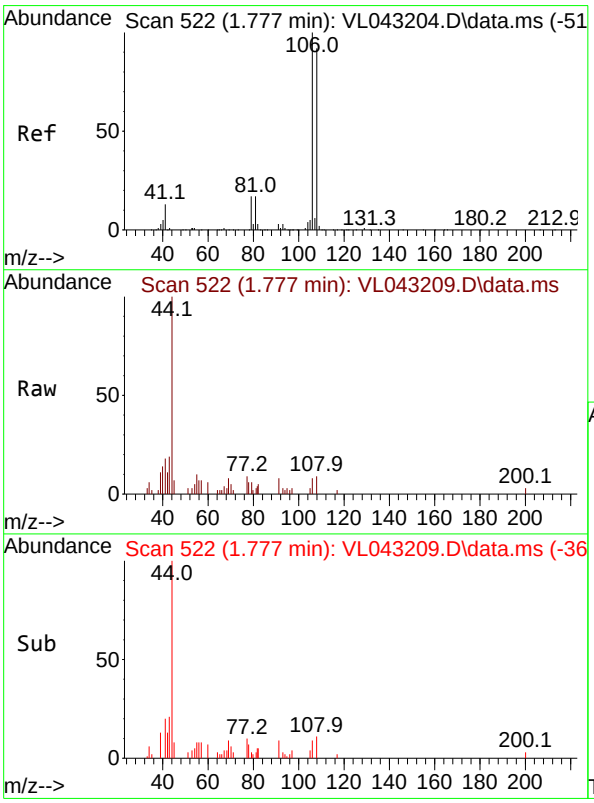
#13
Ethanol
Concen: 0.112 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 229

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#

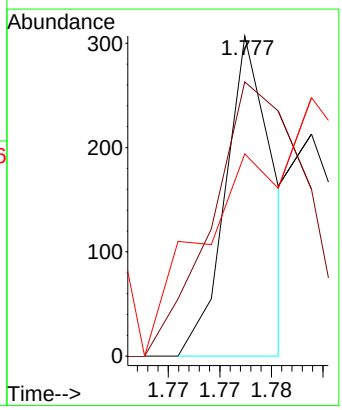


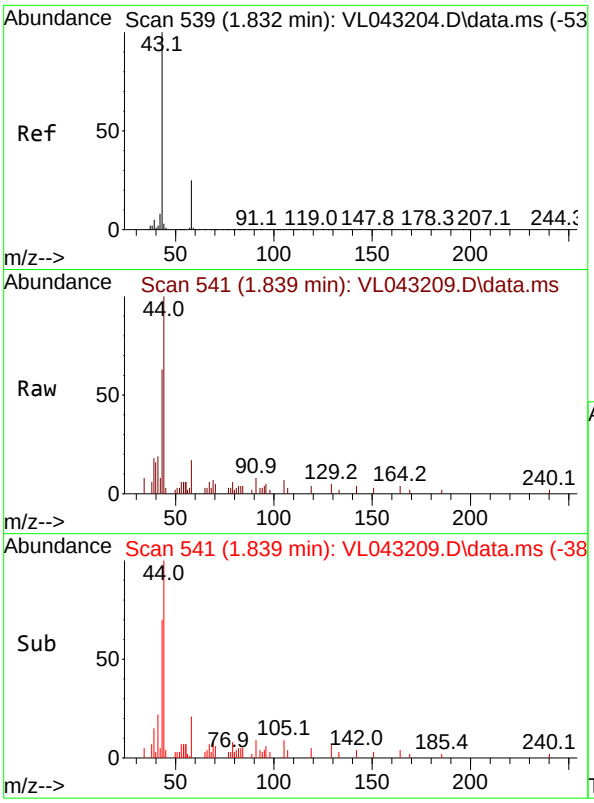


#14
Bromoethene
Concen: 0.025 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:108 Resp: 102

Ion	Ratio	Lower	Upper
108	100		
106	158.8	88.9	133.3#
79	0.0	16.5	24.7#



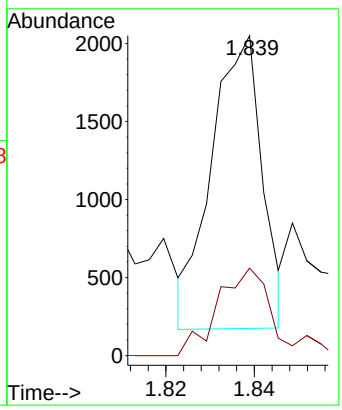


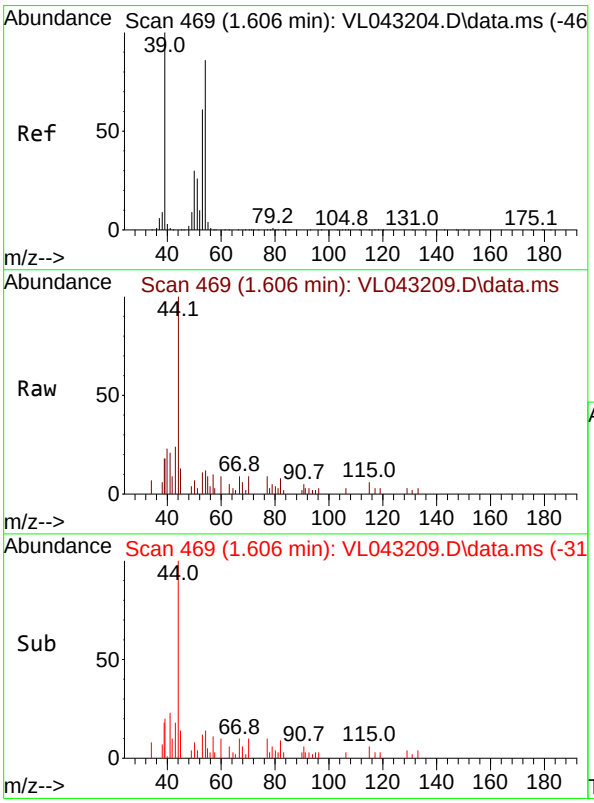
#15
Acetone
Concen: 0.108 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 1490

Ion	Ratio	Lower	Upper
43	100		
58	32.8	20.7	31.1#

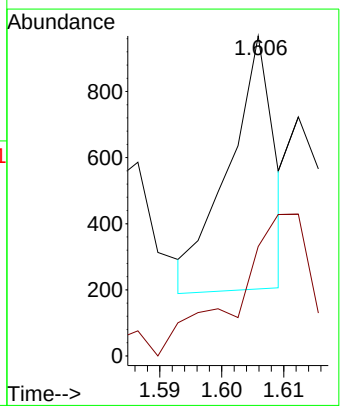


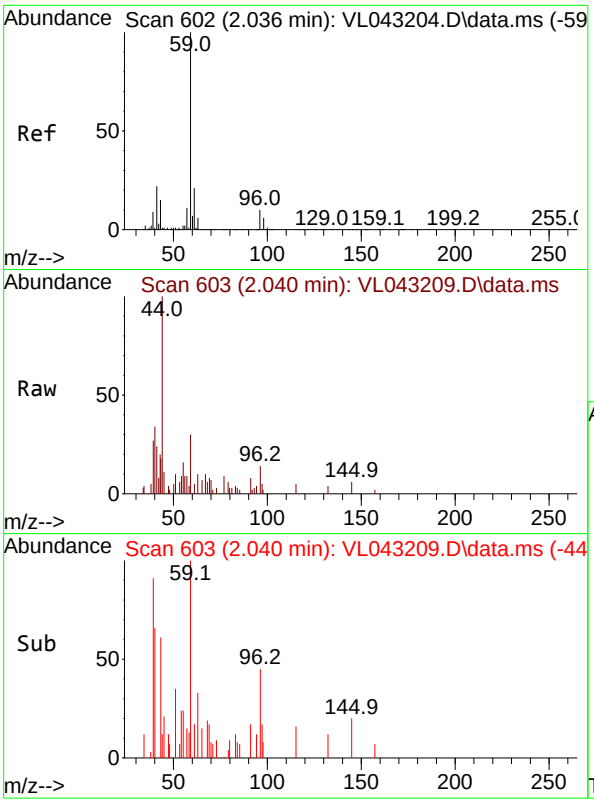


#16
1,3-Butadiene
Concen: 0.064 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 39 Resp: 392

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#



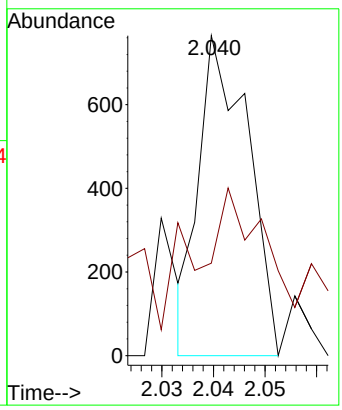


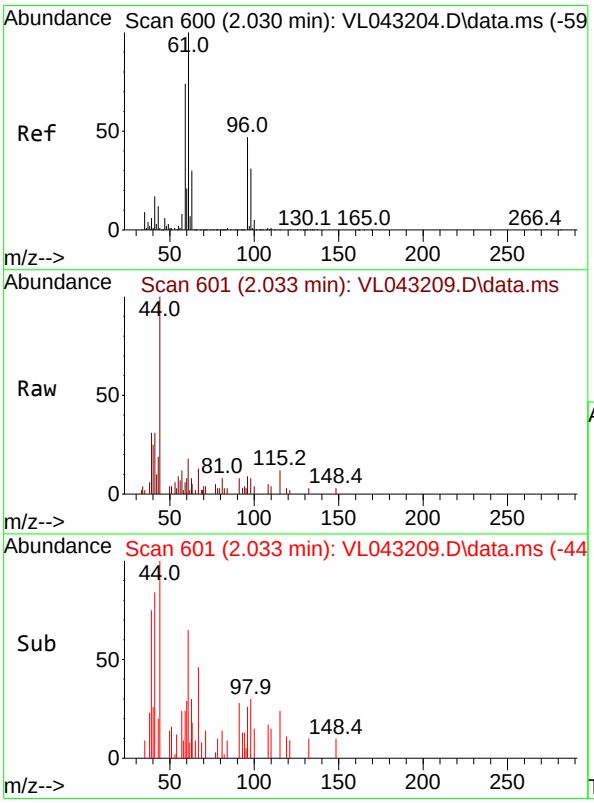
#17
tert-Butyl alcohol
Concen: 0.028 ppbv
RT: 2.040 min Scan# 6(
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 506

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

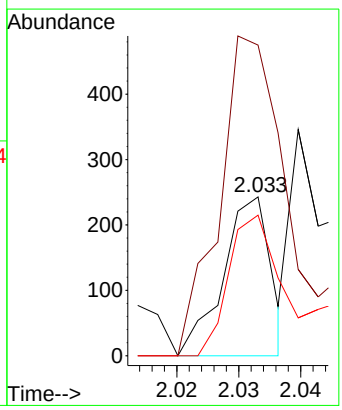


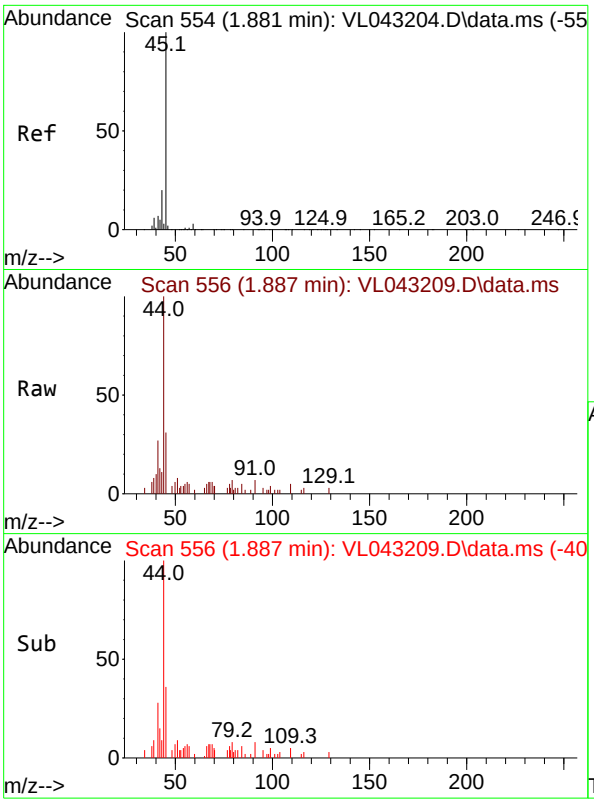


#18
1,1-Dichloroethene
Concen: 0.026 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 96 Resp: 130

Ion	Ratio	Lower	Upper
96	100		
61	219.8	170.6	255.8
98	88.5	52.2	78.4#



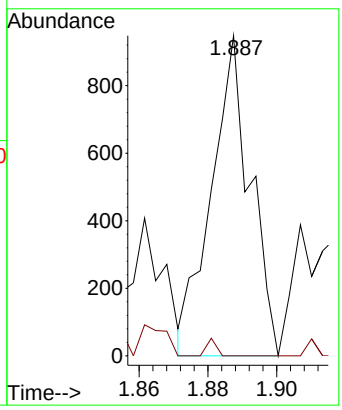


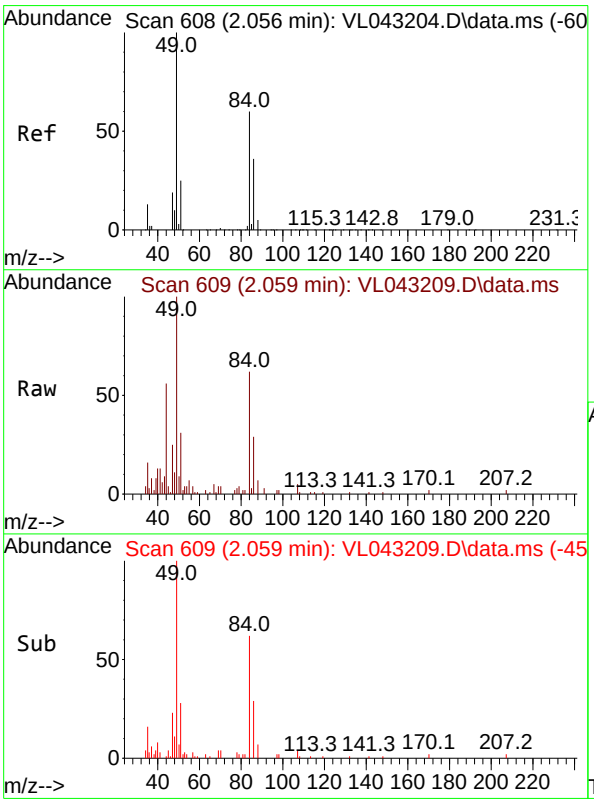
#19
Isopropyl Alcohol
Concen: 0.096 ppbv
RT: 1.887 min Scan# 5
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 746

Ion	Ratio	Lower	Upper
45	100		
58	7.6	31.3	46.9#

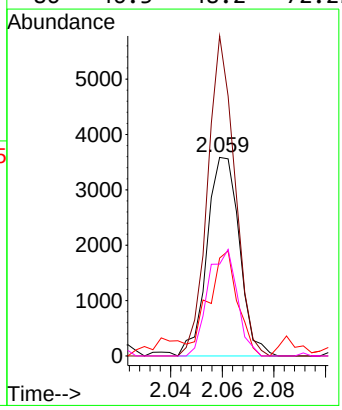


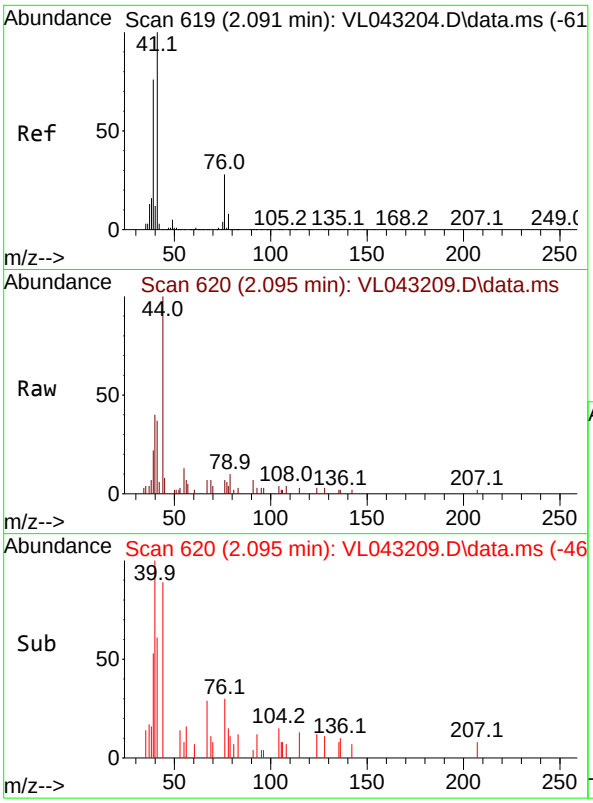


#20
Methylene Chloride
Concen: Below Cal
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 84 Resp: 3122

Ion	Ratio	Lower	Upper
84	100		
49	161.1	132.9	199.3
51	44.7	34.8	52.2
86	46.3	48.2	72.2#



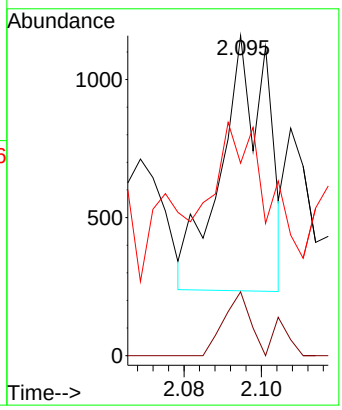


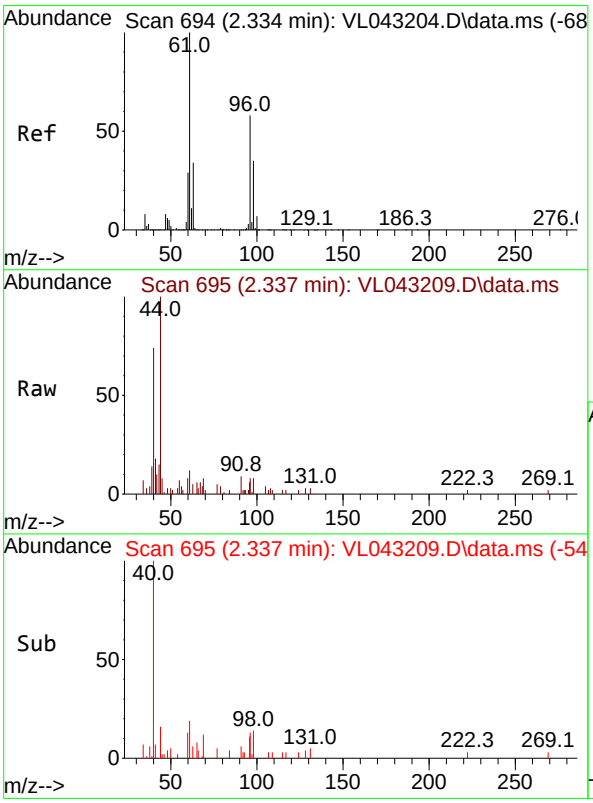
#21
Allyl Chloride
Concen: 0.084 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 774

Ion	Ratio	Lower	Upper
41	100		
76	19.1	22.1	33.1#
39	161.5	61.0	91.4#

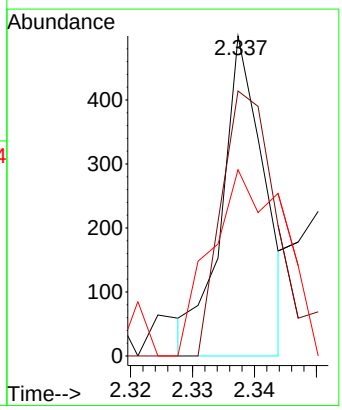


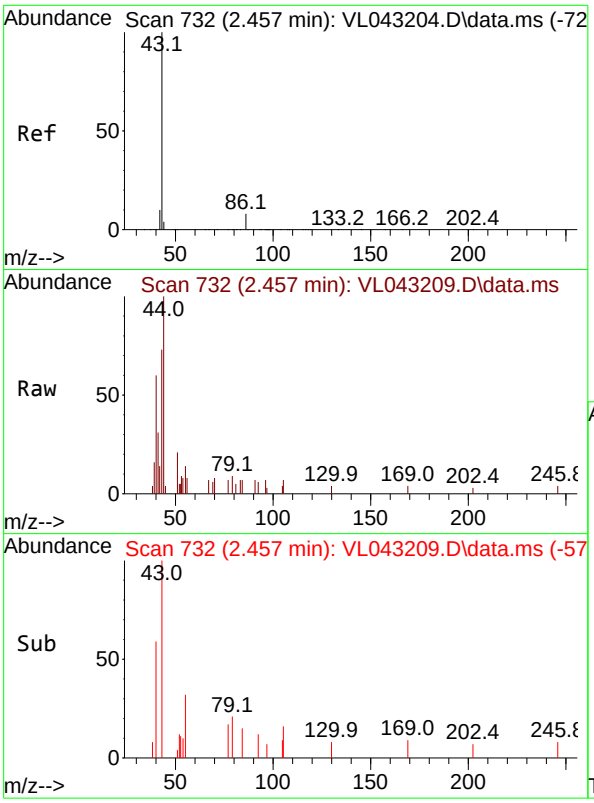


#22
trans-1,2-Dichloroethene
Concen: 0.043 ppbv
RT: 2.337 min Scan# 695
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 96 Resp: 240

Ion	Ratio	Lower	Upper
96	100		
61	93.9	139.0	208.6#
98	66.0	49.4	74.2



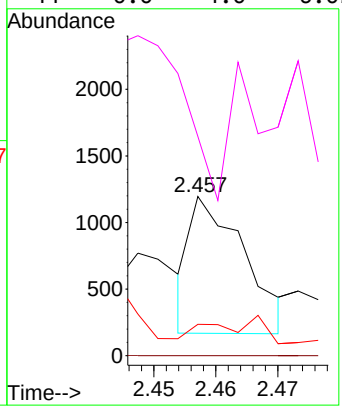


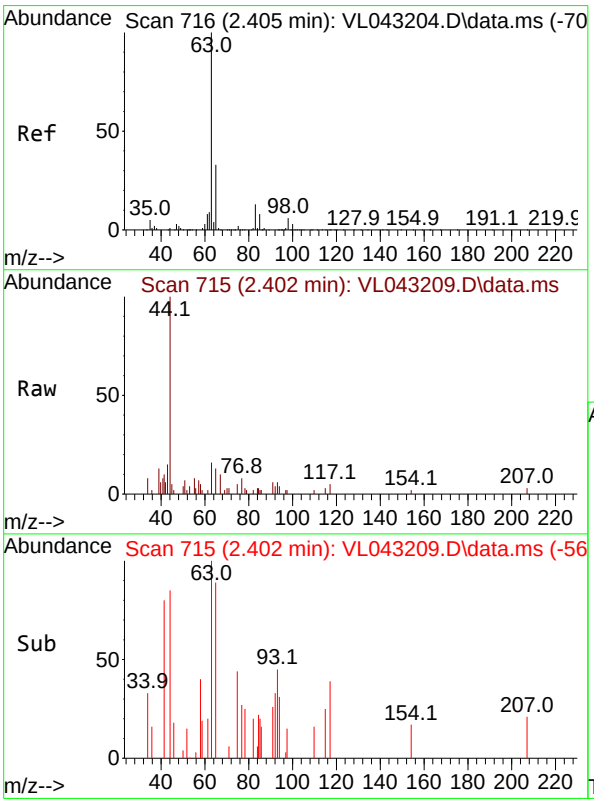
#23
Vinyl Acetate
Concen: 0.038 ppbv
RT: 2.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 627

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	19.3	8.0	12.0#
44	0.0	4.0	6.0#

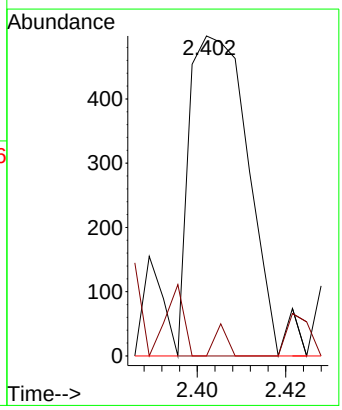


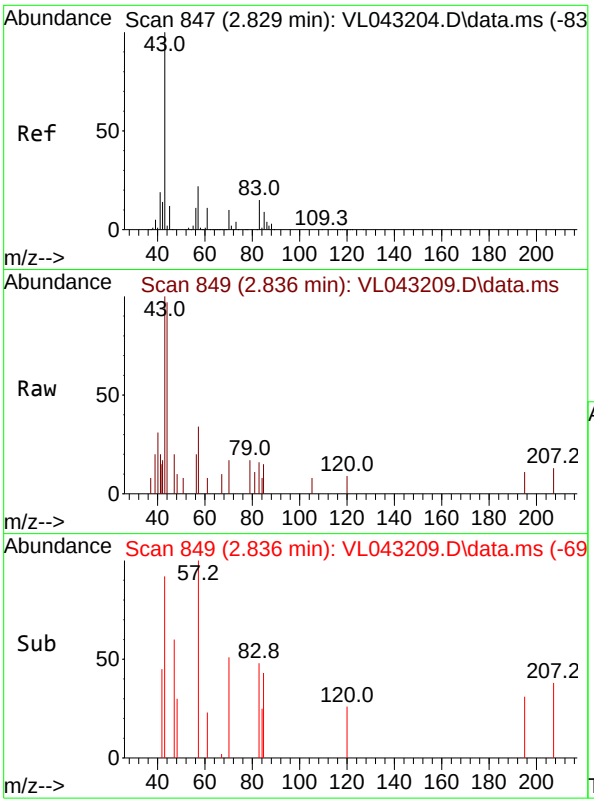


#24
1,1-Dichloroethane
Concen: 0.042 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 63 Resp: 453

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.8	8.4#
100	0.0	1.3	3.9#



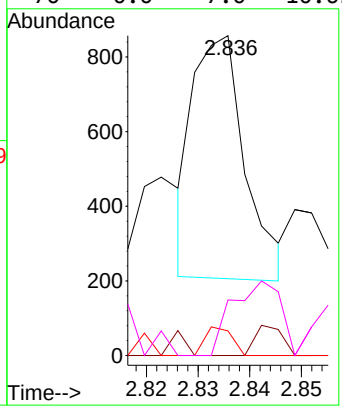


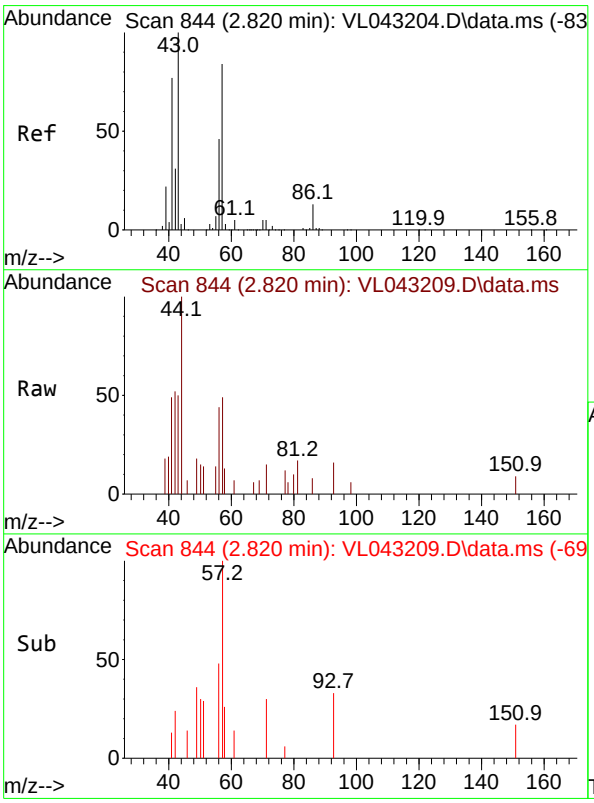
#25
Ethyl Acetate
Concen: 0.015 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 455

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	8.6	7.0	10.4
70	0.0	7.0	10.6#

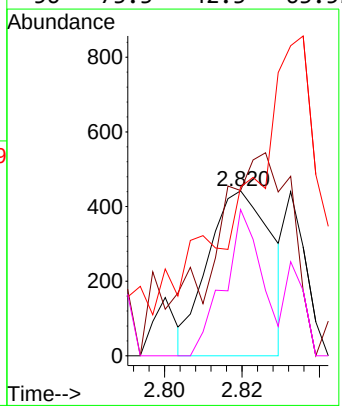


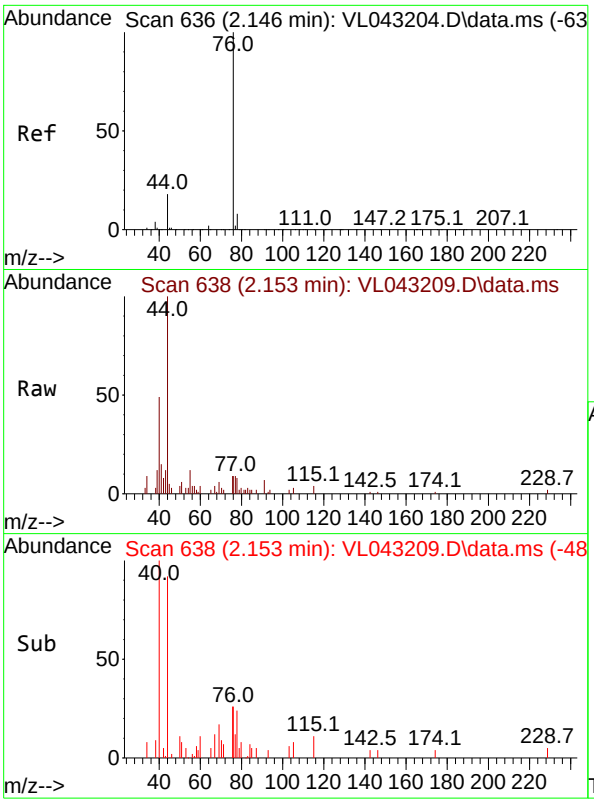


#26
Hexane
Concen: 0.038 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 57 Resp: 499

Ion	Ratio	Lower	Upper
57	100		
41	0.0	74.6	111.8#
43	0.0	179.0	268.4#
56	73.3	42.3	63.5#



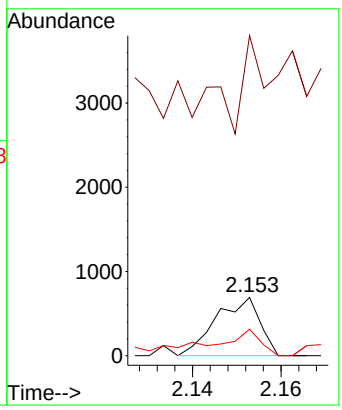


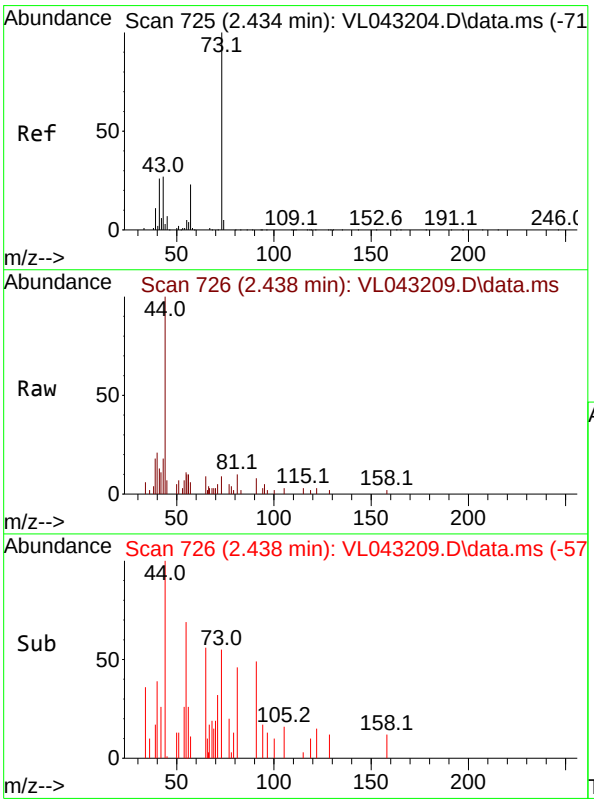
#27
Carbon Disulfide
Concen: 0.036 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 76 Resp: 477

Ion	Ratio	Lower	Upper
76	100		
44	1027.0	16.1	24.1#
78	43.6	9.6	14.4#

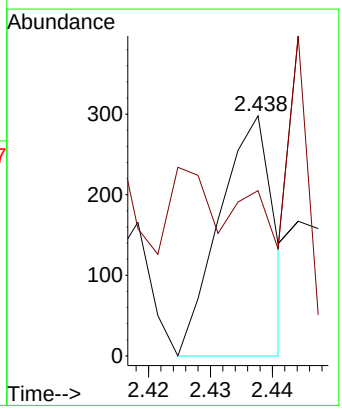


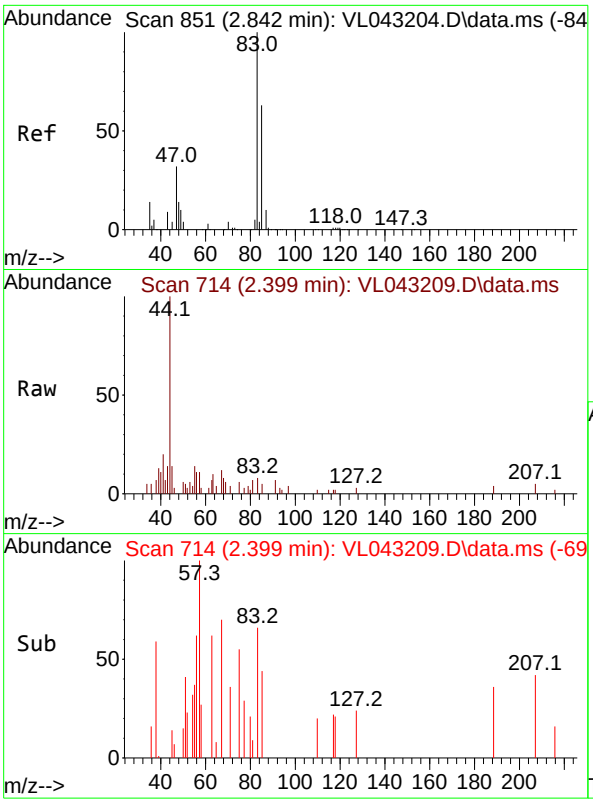


#28
Methyl tert-Butyl Ether
Concen: 0.028 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 73 Resp: 181

Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.8	29.8#



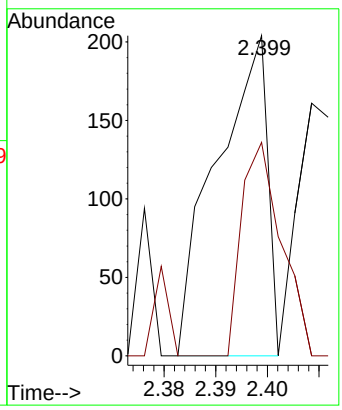


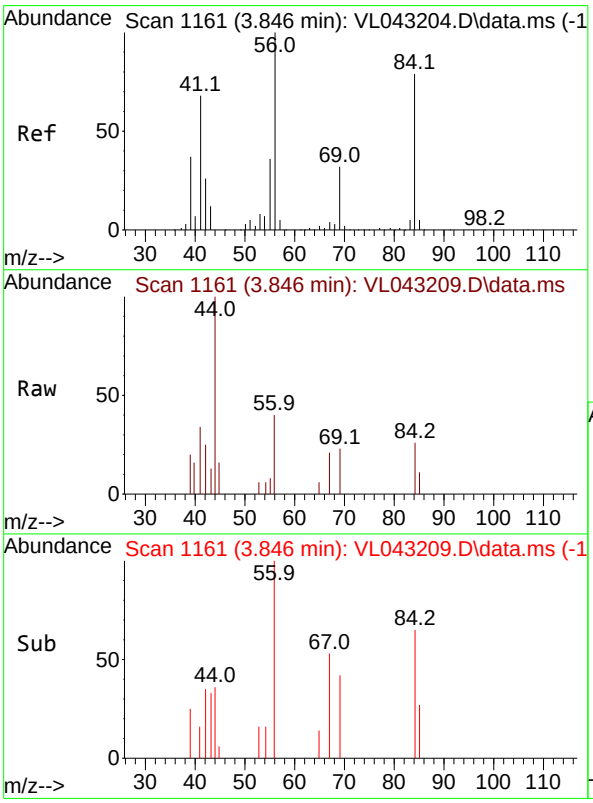
#29
Chloroform
Concen: 0.008 ppbv
RT: 2.399 min Scan# 7
Delta R.T. -0.443 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 140

Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.5	75.7

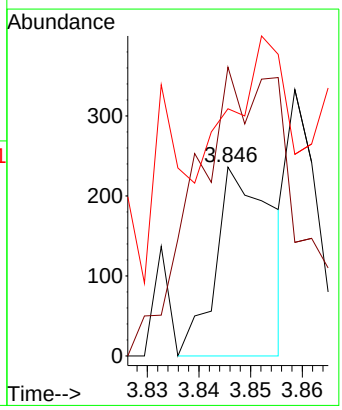


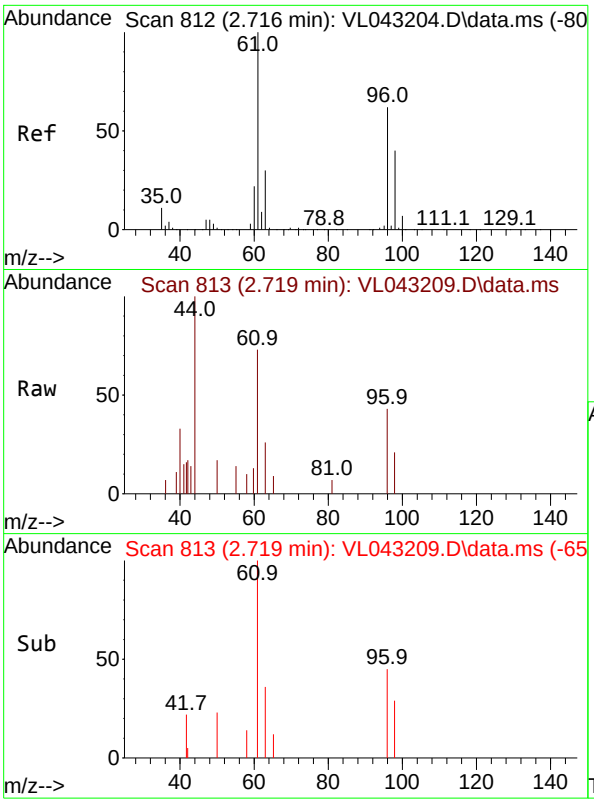


#30
Cyclohexane
Concen: 0.016 ppbv
RT: 3.846 min Scan# 1161
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 84 Resp: 179

Ion	Ratio	Lower	Upper
84	100		
56	369.8	104.7	157.1#
41	0.0	69.0	103.6#



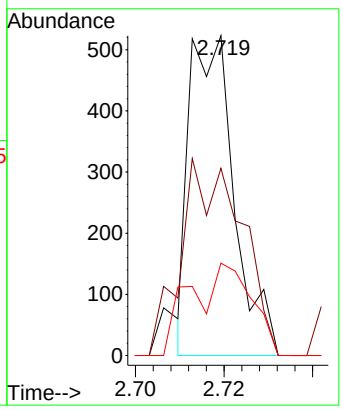


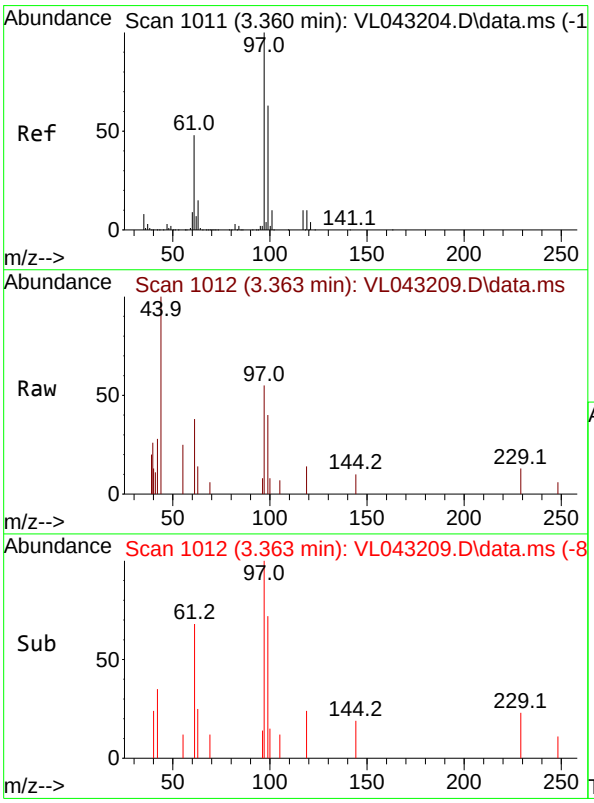
#31
cis-1,2-Dichloroethene
Concen: 0.029 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 369

Ion	Ratio	Lower	Upper
61	100		
96	58.5	49.3	73.9
98	28.9	32.1	48.1#

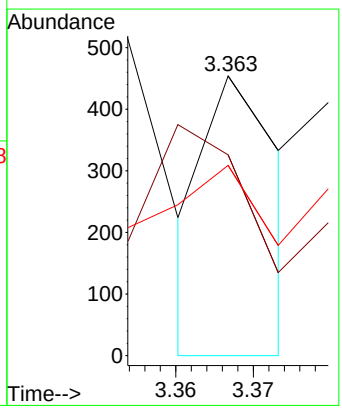


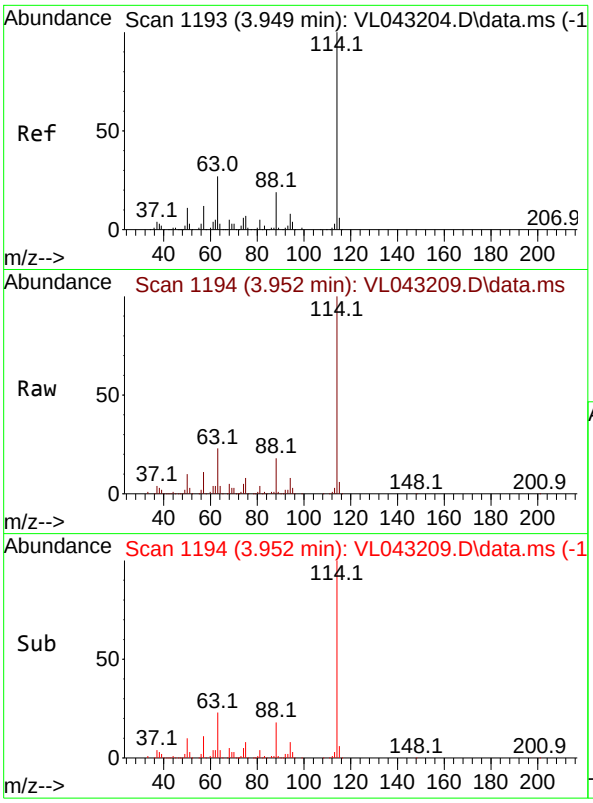


#32
1,1,1-Trichloroethane
Concen: 0.008 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 97 Resp: 153

Ion	Ratio	Lower	Upper
97	100		
99	233.3	50.3	75.5#
61	0.0	38.9	58.3#



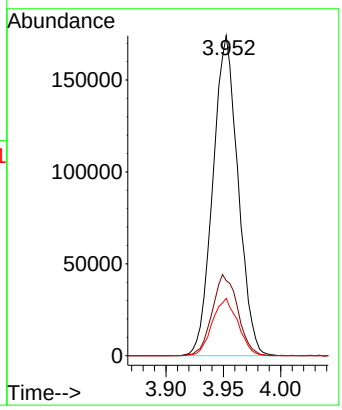


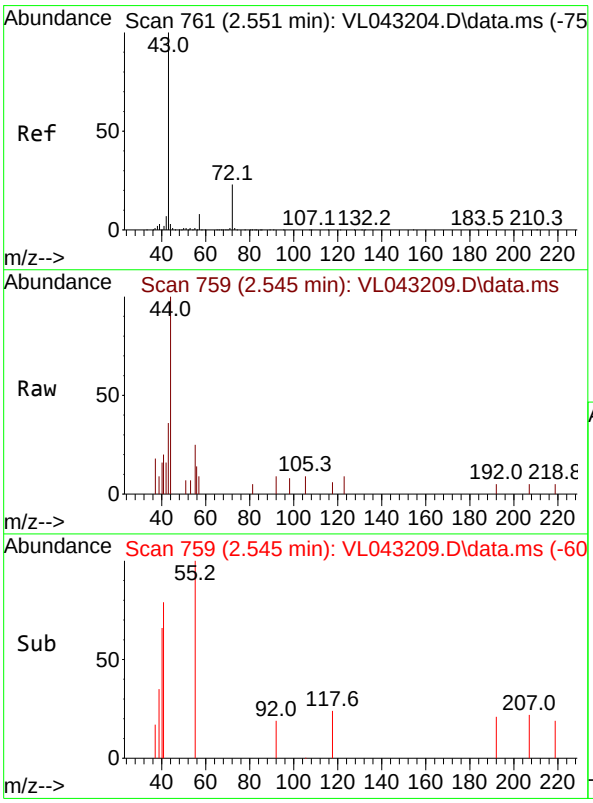
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 266012

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	18.2	14.9	22.3

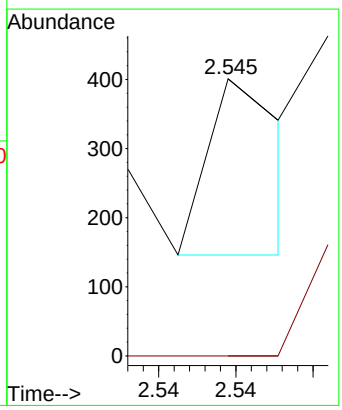


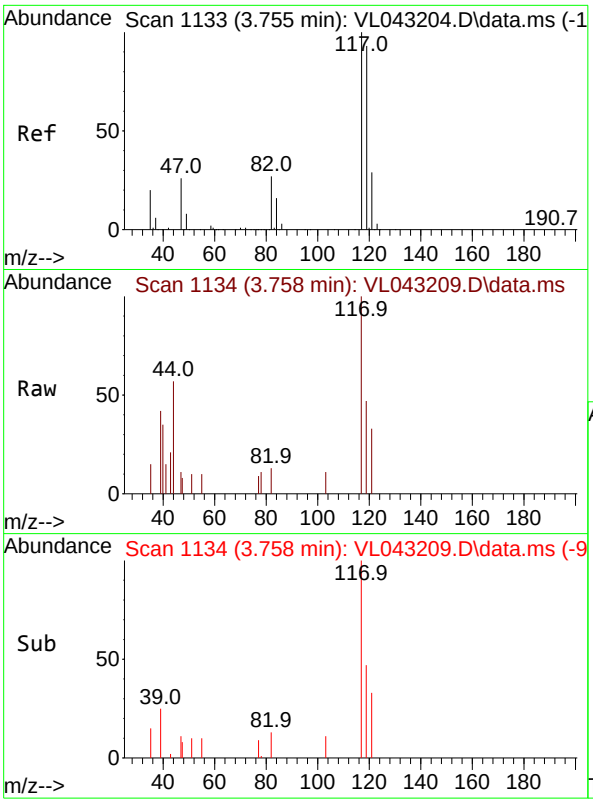


#34
2-Butanone
Concen: 0.005 ppbv
RT: 2.545 min Scan# 759
Delta R.T. -0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 43 Resp: 88

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.1	27.1#



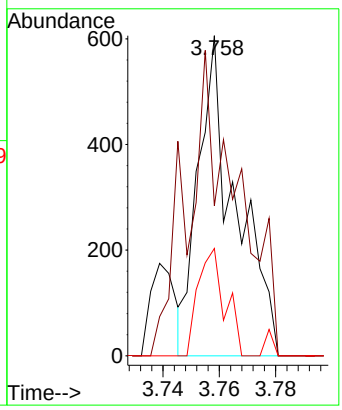


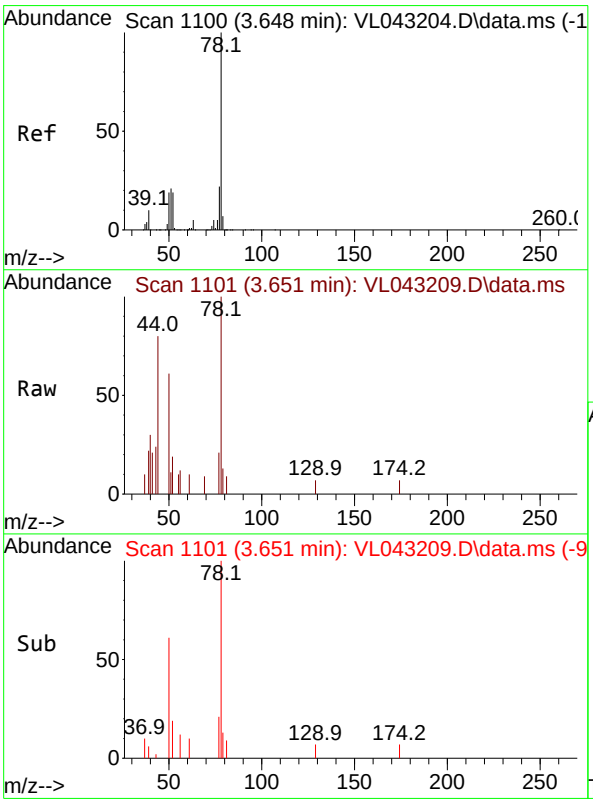
#35
Carbon Tetrachloride
Concen: 0.028 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 558

Ion	Ratio	Lower	Upper
117	100		
119	46.9	74.6	112.0#
121	33.5	23.2	34.8

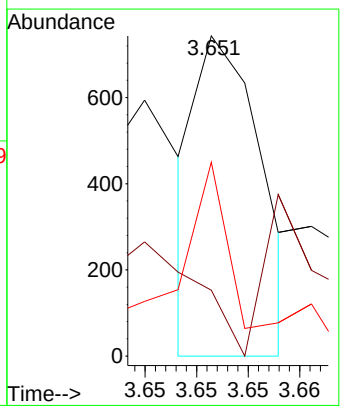


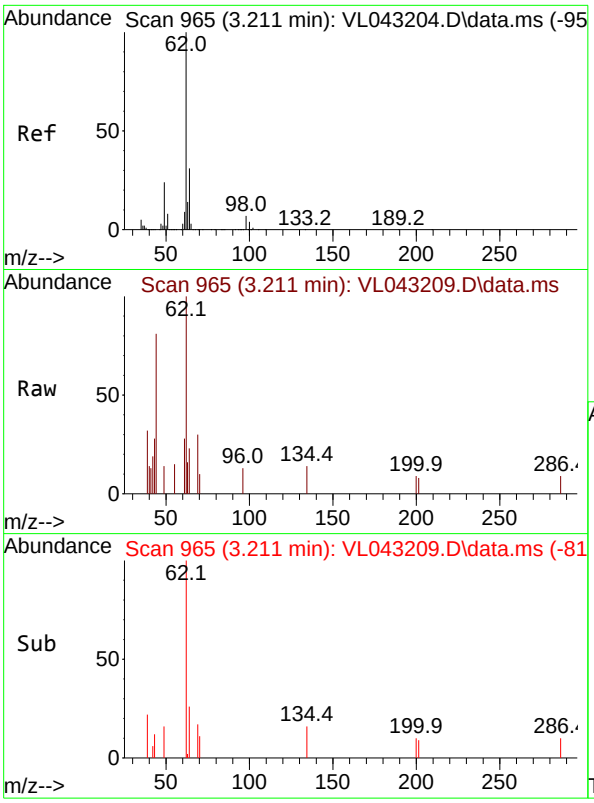


#36
Benzene
Concen: 0.013 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 78 Resp: 323

Ion	Ratio	Lower	Upper
78	100		
77	0.0	17.5	26.3#
50	81.8	15.5	23.3#



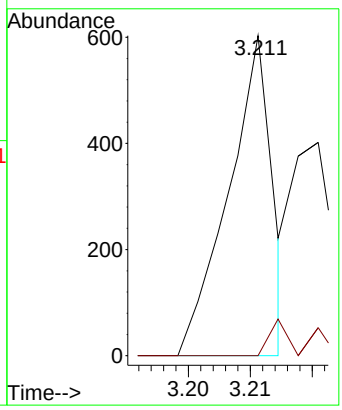


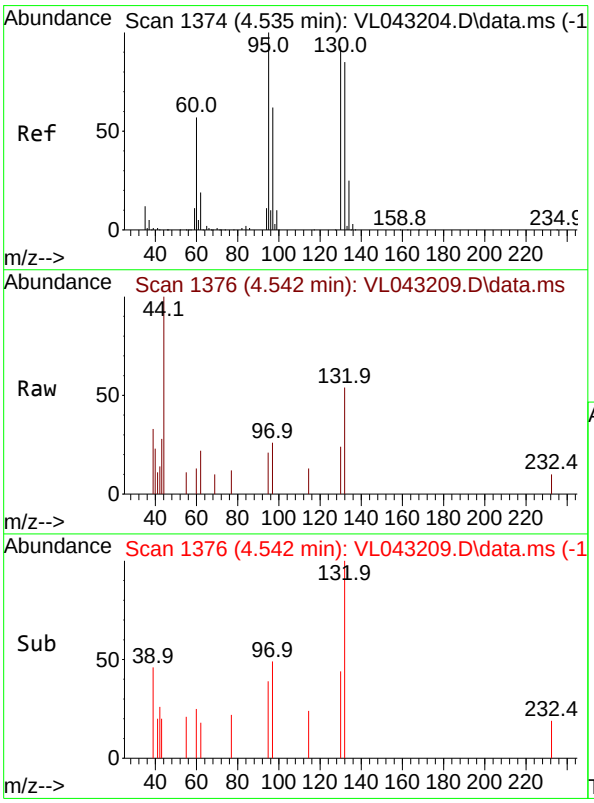
#37
1,2-Dichloroethane
Concen: 0.020 ppbv
RT: 3.211 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 298

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.5	8.3#

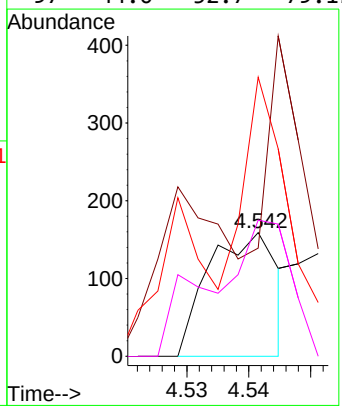


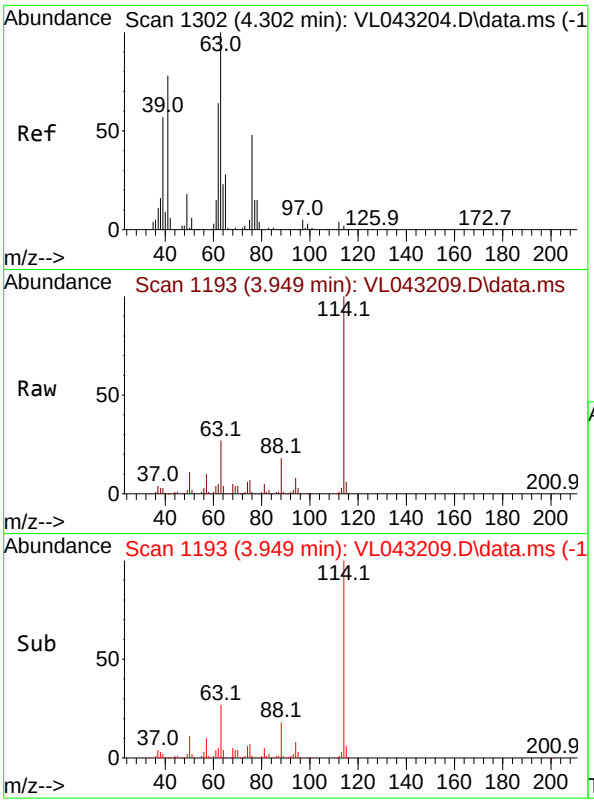


#38
Trichloroethene
Concen: 0.012 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:130 Resp: 123

Ion	Ratio	Lower	Upper
130	100		
95	0.0	85.7	128.5#
132	97.5	73.4	110.0
97	44.0	52.7	79.1#



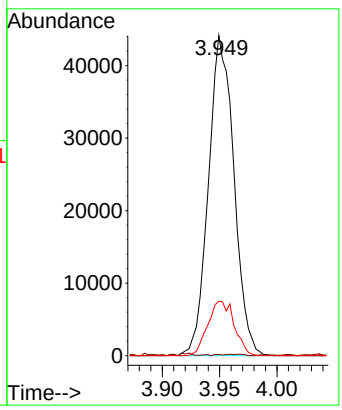


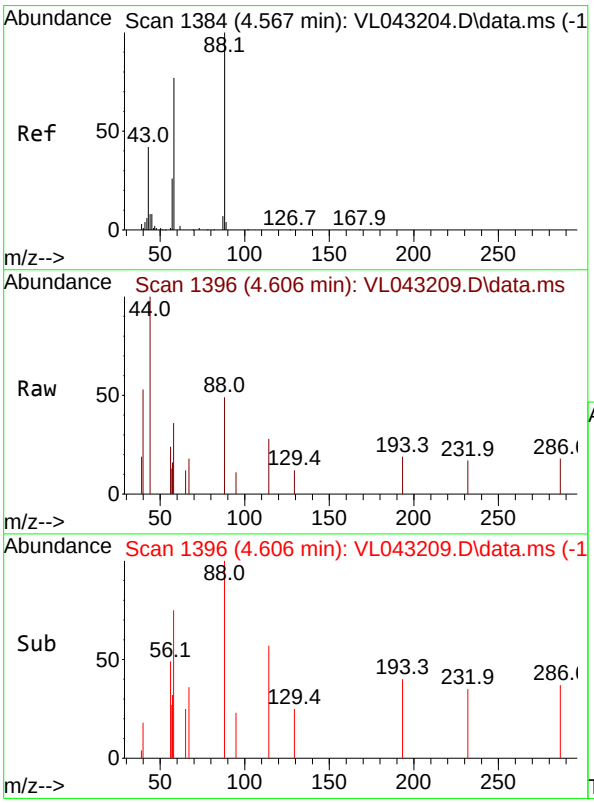
#39
1,2-Dichloropropane
Concen: 7.318 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.353 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 68235

Ion	Ratio	Lower	Upper
63	100		
41	0.4	62.6	93.8#
62	17.0	51.0	76.6#

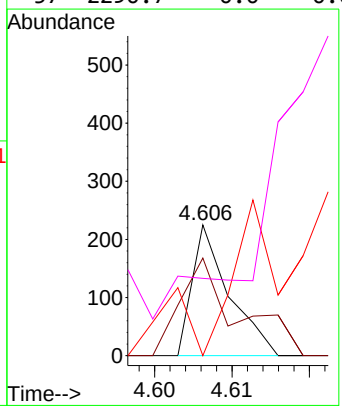


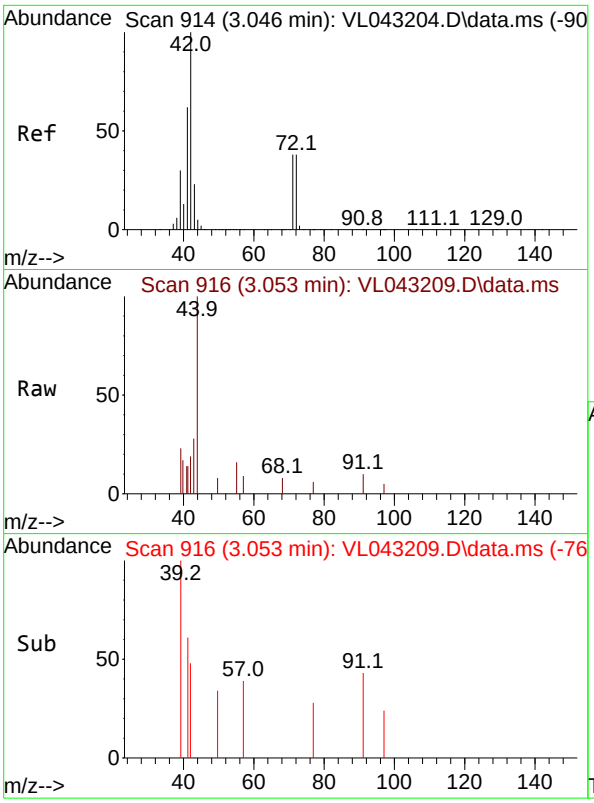


#40
1,4-Dioxane
Concen: 0.018 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. 0.039 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 88 Resp: 75

Ion	Ratio	Lower	Upper
88	100		
58	142.7	63.0	94.6#
43	806.7	32.5	48.7#
57	2290.7	0.0	0.0#



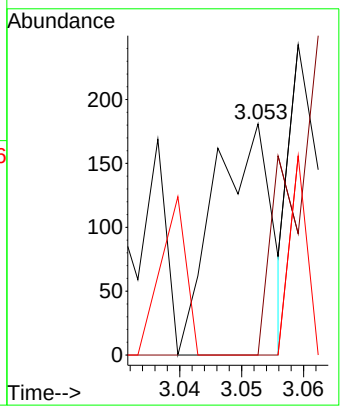


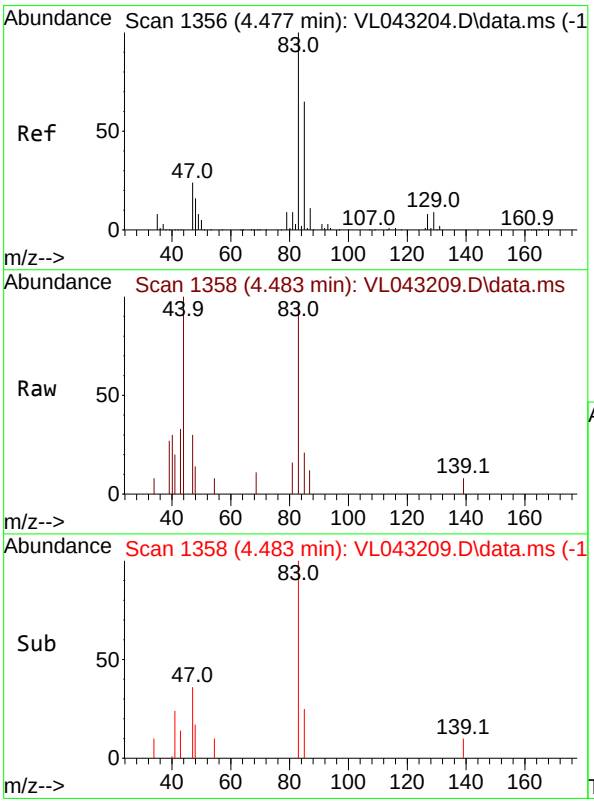
#41
Tetrahydrofuran
Concen: 0.011 ppbv
RT: 3.053 min Scan# 9
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 42 Resp: 118

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.6	46.0#
71	0.0	30.5	45.7#

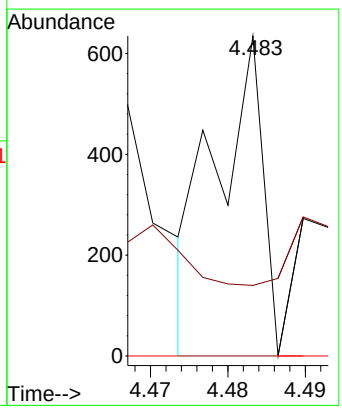


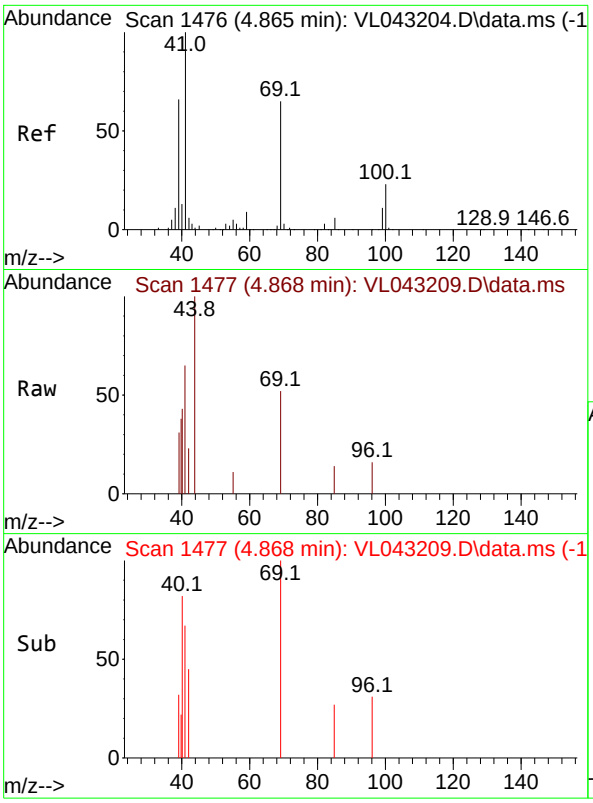


#42
Bromodichloromethane
Concen: 0.013 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 83 Resp: 268

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.7	77.5#
127	0.0	6.3	9.5#



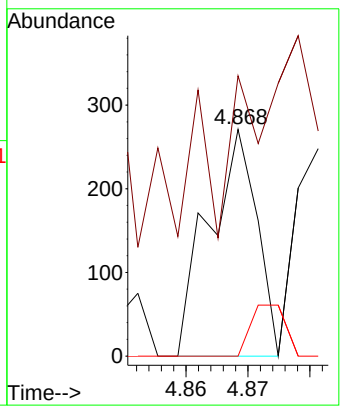


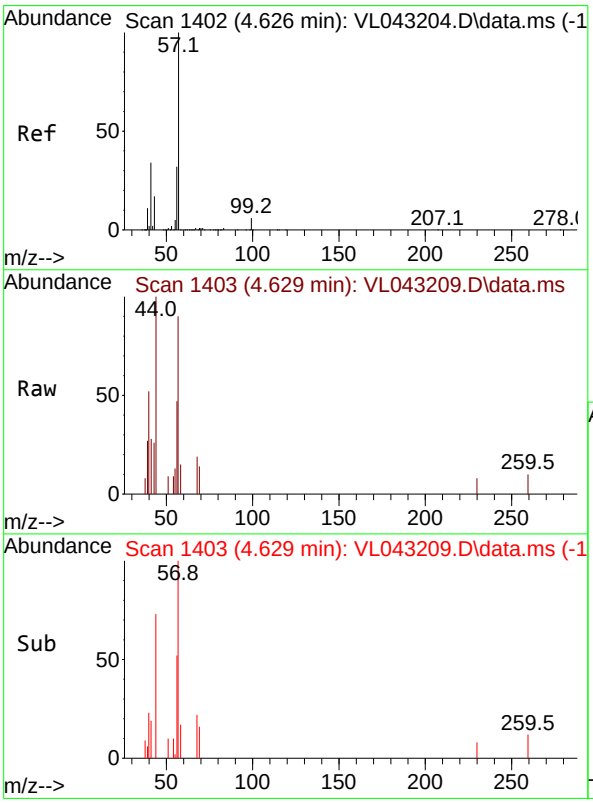
#43
Methyl Methacrylate
Concen: 0.011 ppbv
RT: 4.868 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 69 Resp: 145

Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.7	190.1#
100	0.0	28.6	43.0#

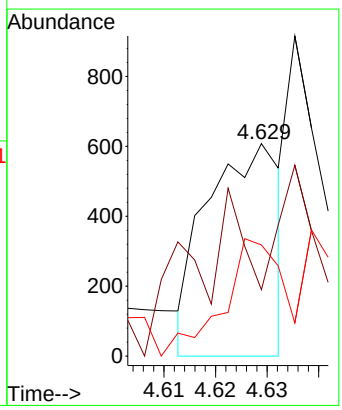


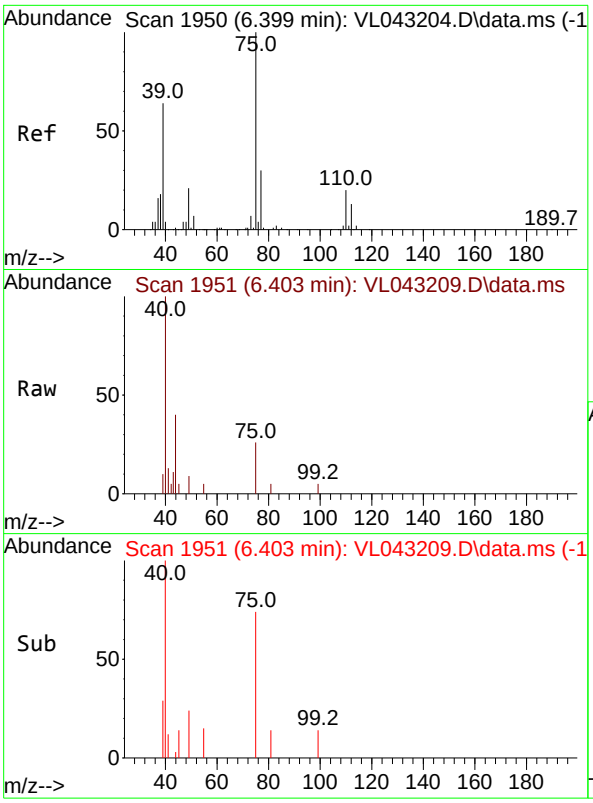


#44
2,2,4-Trimethylpentane
Concen: 0.014 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 57 Resp: 595

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.0	42.0#
56	0.0	25.6	38.4#



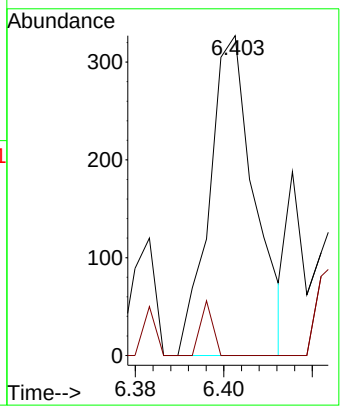


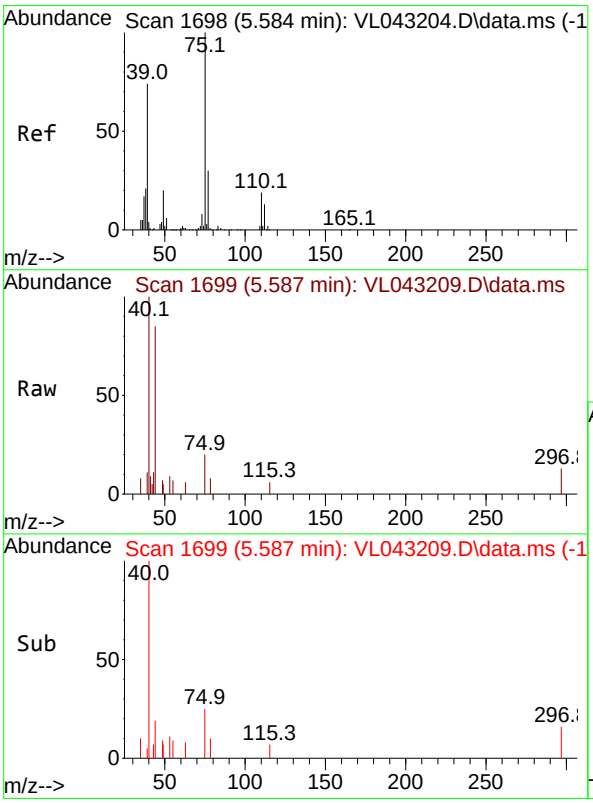
#45
t-1,3-Dichloropropene
Concen: 0.018 ppbv
RT: 6.403 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 232

Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.3	36.5#

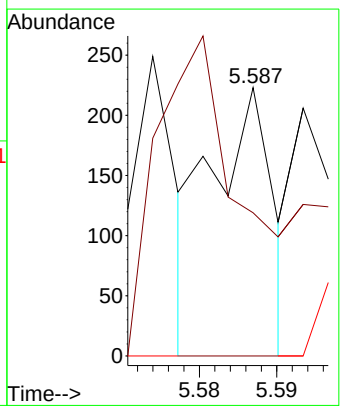


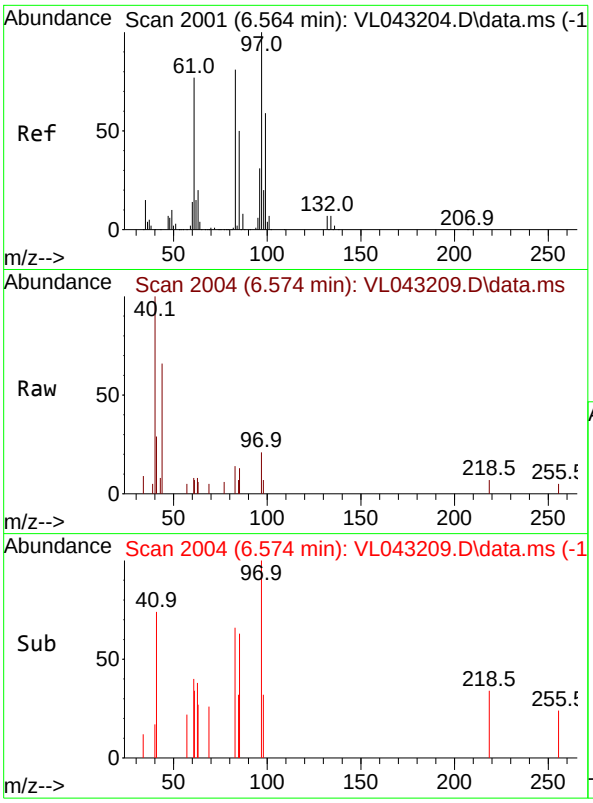


#46
cis-1,3-Dichloropropene
Concen: 0.008 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 75 Resp: 123

Ion	Ratio	Lower	Upper
75	100		
39	17.9	59.1	88.7#
77	0.0	24.2	36.2#



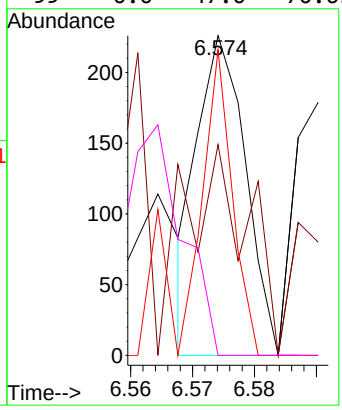


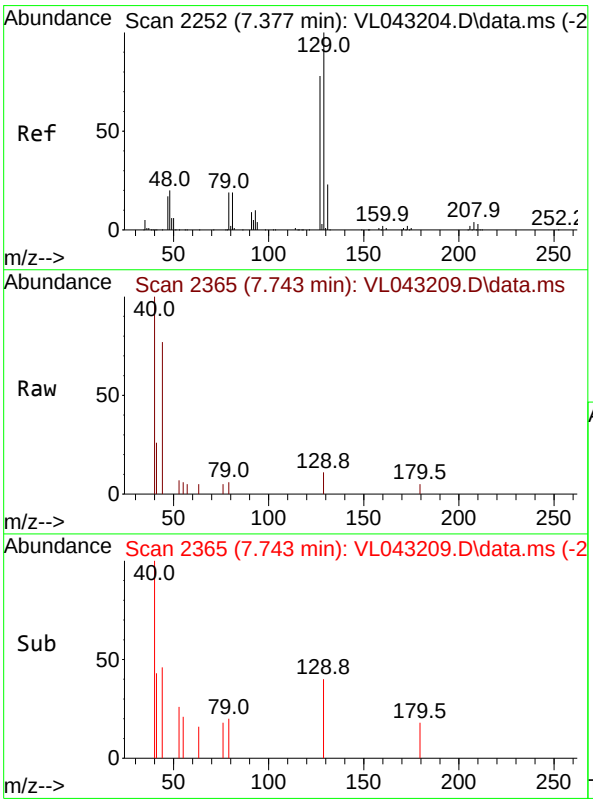
#47
1,1,2-Trichloroethane
Concen: 0.012 ppbv
RT: 6.574 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 97 Resp: 122

Ion	Ratio	Lower	Upper
97	100		
83	65.9	64.6	97.0
85	95.6	39.4	59.2#
99	0.0	47.0	70.6#

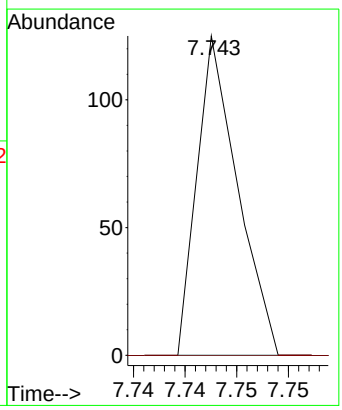


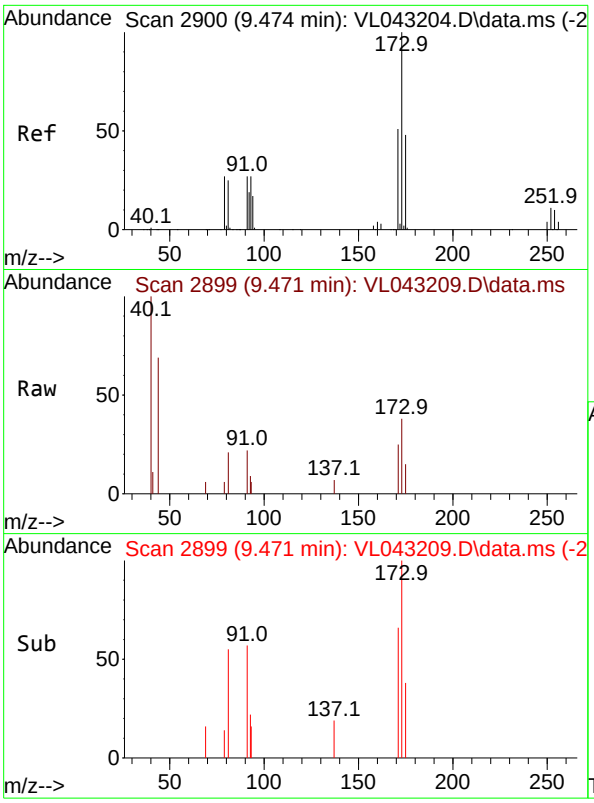


#48
Dibromochloromethane
Concen: 0.002 ppbv
RT: 7.743 min Scan# 2365
Delta R.T. 0.366 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:129 Resp: 34

Ion	Ratio	Lower	Upper
129	100		
127	111.8	39.3	117.9



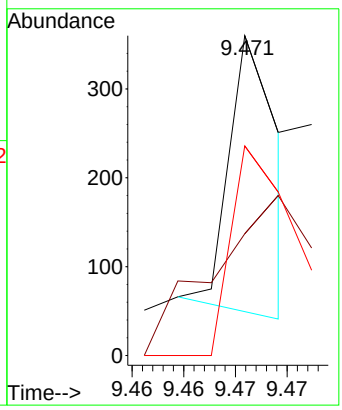


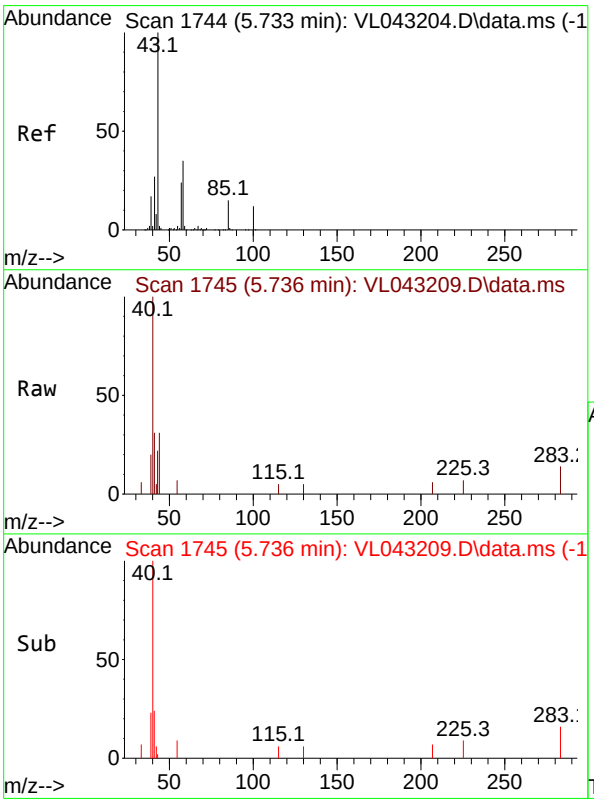
#49
Bromoform
Concen: 0.007 ppbv
RT: 9.471 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:173 Resp: 102

Ion	Ratio	Lower	Upper
173	100		
175	174.5	38.6	58.0#
171	179.4	40.6	61.0#

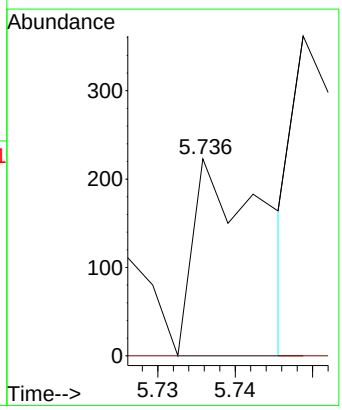


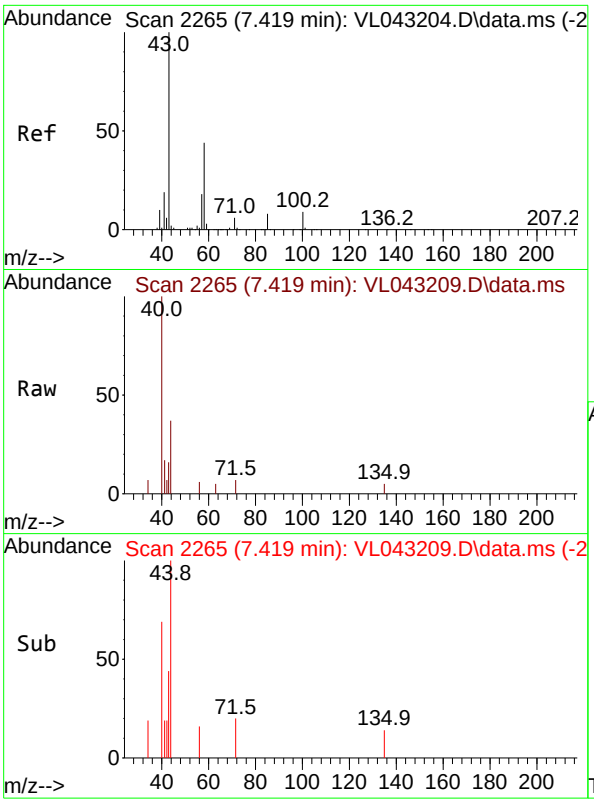


#50
4-Methyl-2-Pentanone
Concen: 0.005 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 43 Resp: 140

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#



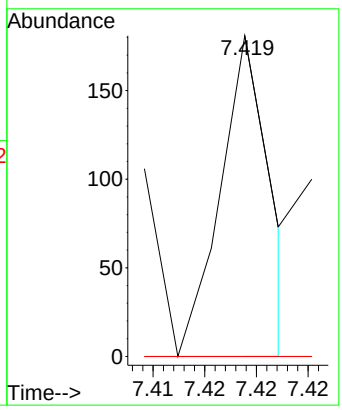


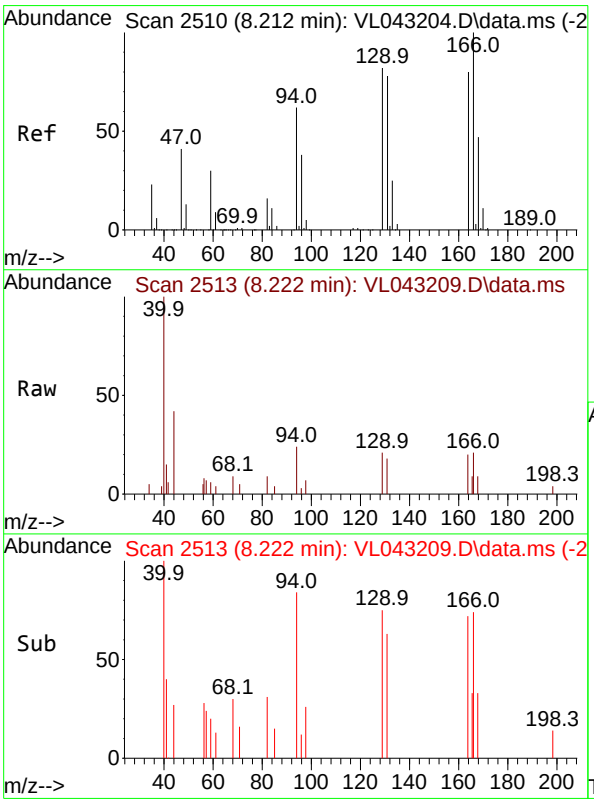
#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.419 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 43 Resp: 61

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	0.0	0.0	0.0

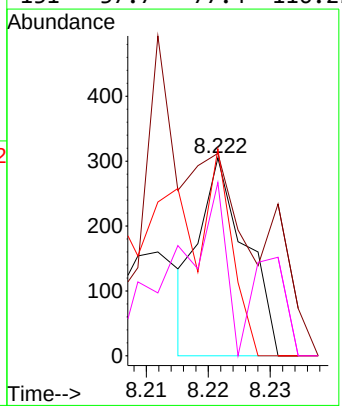


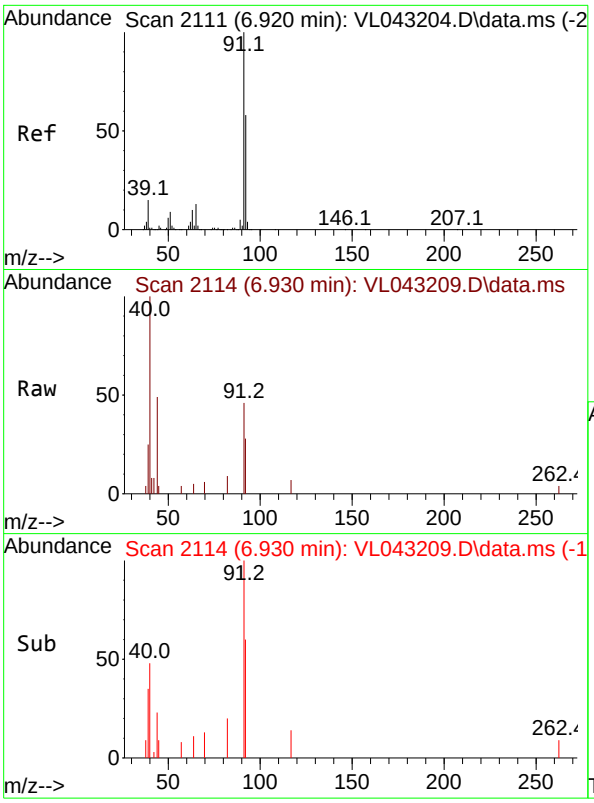


#52
Tetrachloroethene
Concen: 0.017 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:164 Resp: 158

Ion	Ratio	Lower	Upper
164	100		
166	25.6	99.4	149.2#
129	104.6	81.8	122.8
131	37.7	77.4	116.2#



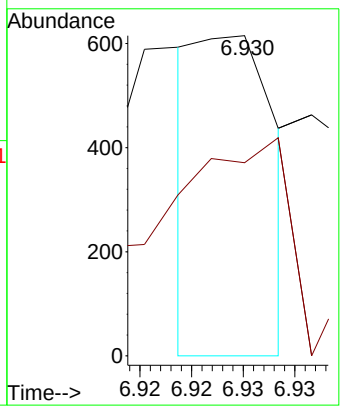


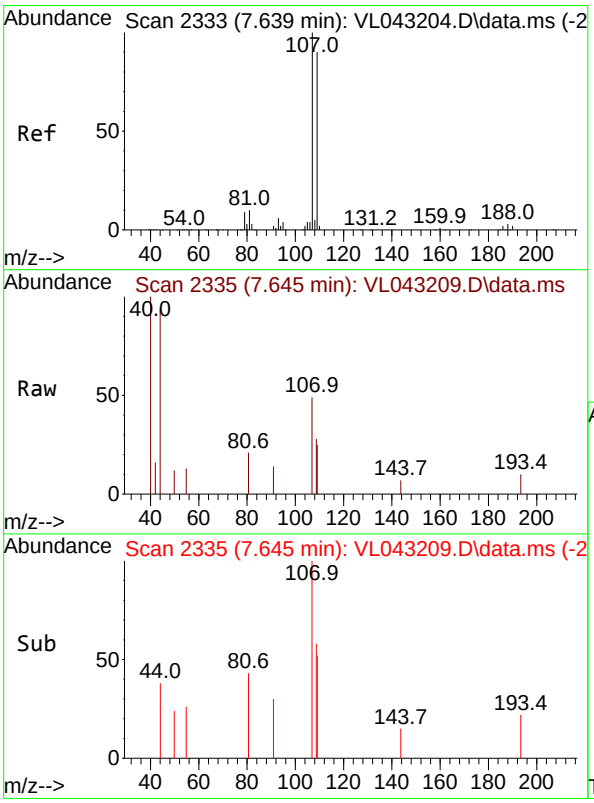
#53
Toluene
Concen: 0.011 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 323

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

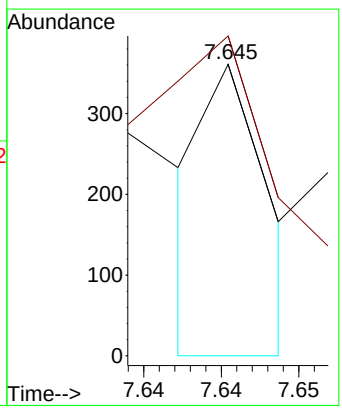


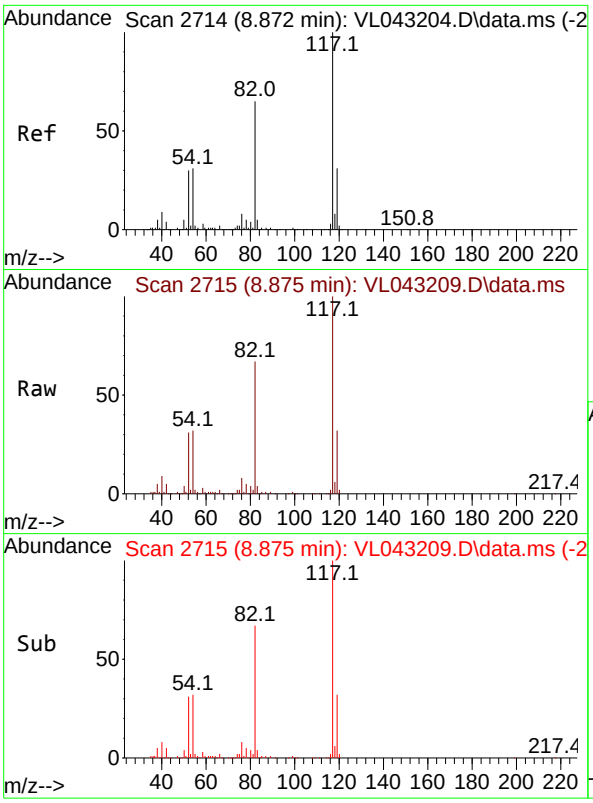


#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:107 Resp: 102

Ion	Ratio	Lower	Upper
107	100		
109	102.6	72.1	108.1



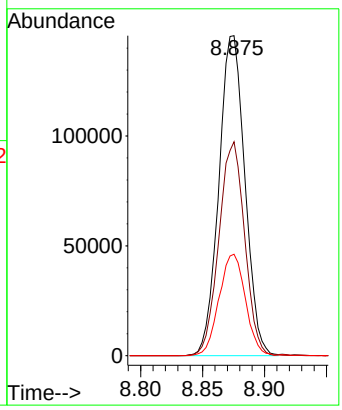


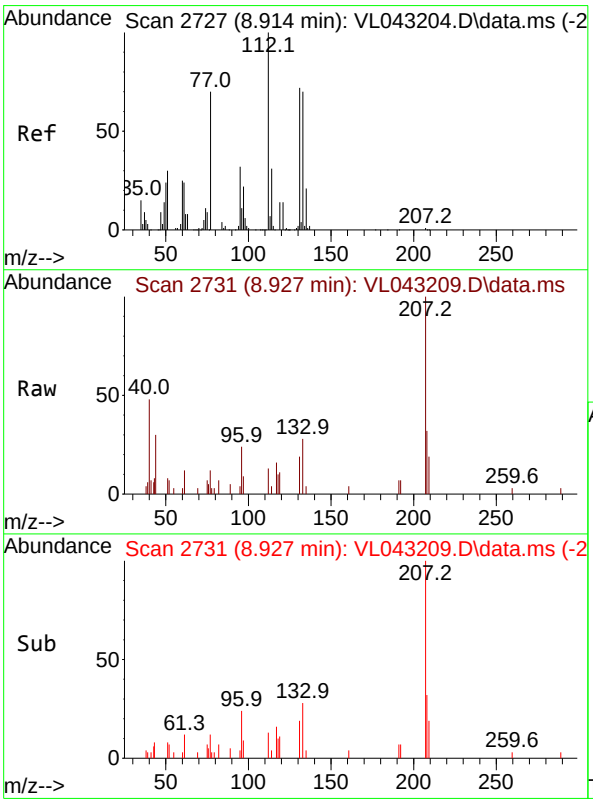
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 213547

Ion	Ratio	Lower	Upper
117	100		
82	66.2	56.1	84.1
119	32.3	25.0	37.6

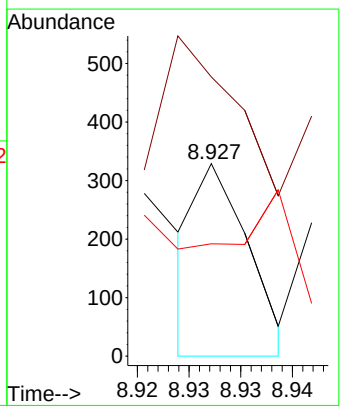


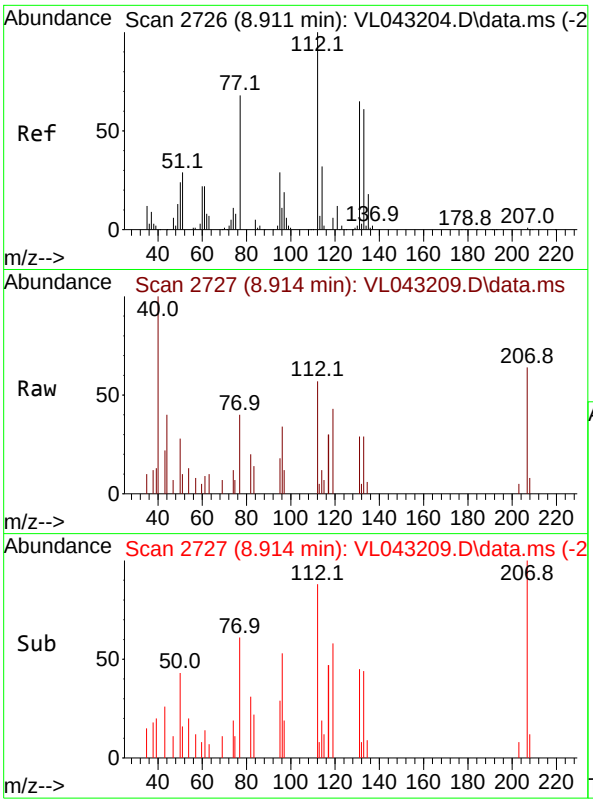


#56
1,1,1,2-Tetrachloroethane
Concen: 0.007 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.013 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:131 Resp: 114

Ion	Ratio	Lower	Upper
131	100		
133	798.2	77.4	116.2#
119	0.0	49.1	73.7#



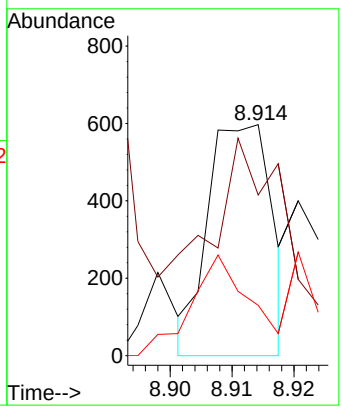


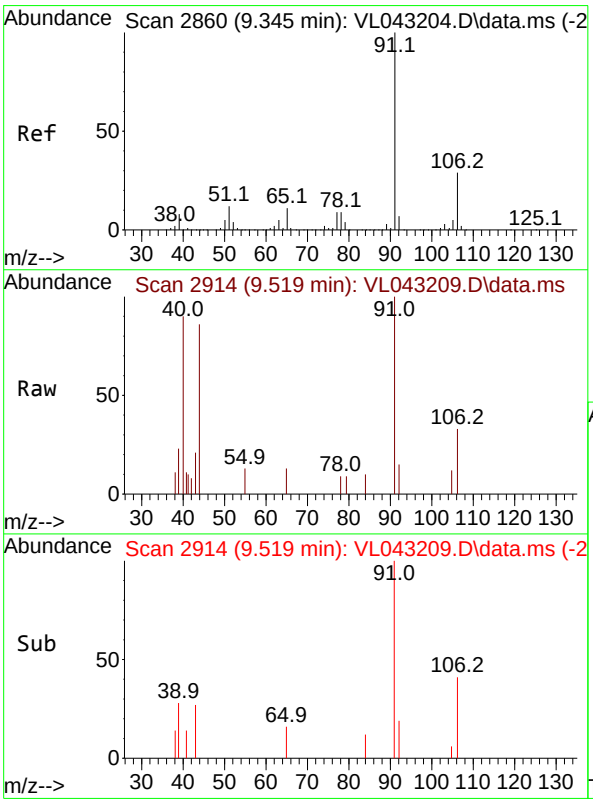
#57
Chlorobenzene
Concen: 0.020 ppbv
RT: 8.914 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 429

Ion	Ratio	Lower	Upper
112	100		
77	28.1	55.5	83.3#
114	13.2	29.1	35.5#

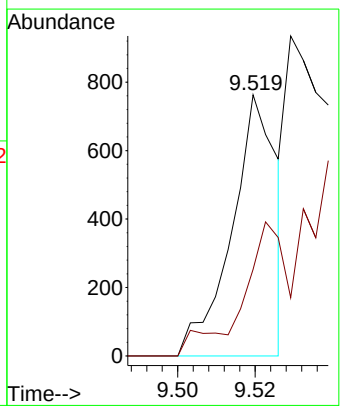


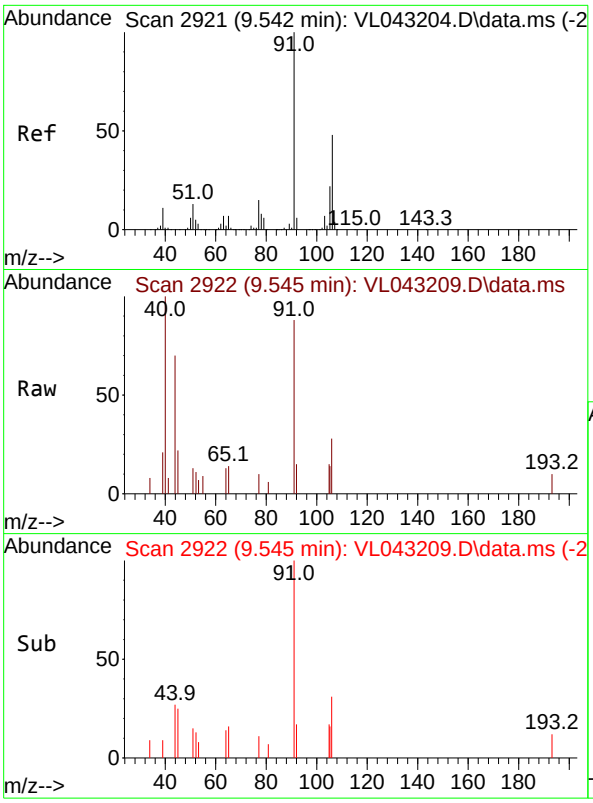


#58
Ethyl Benzene
Concen: 0.015 ppbv
RT: 9.519 min Scan# 2914
Delta R.T. 0.175 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 91 Resp: 613

Ion	Ratio	Lower	Upper
91	100		
106	33.2	22.8	34.2



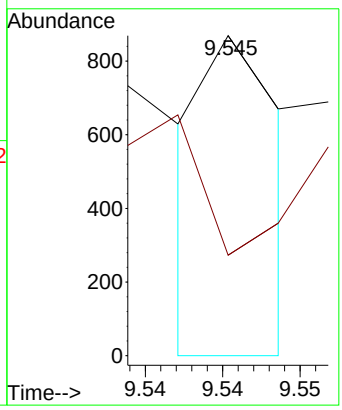


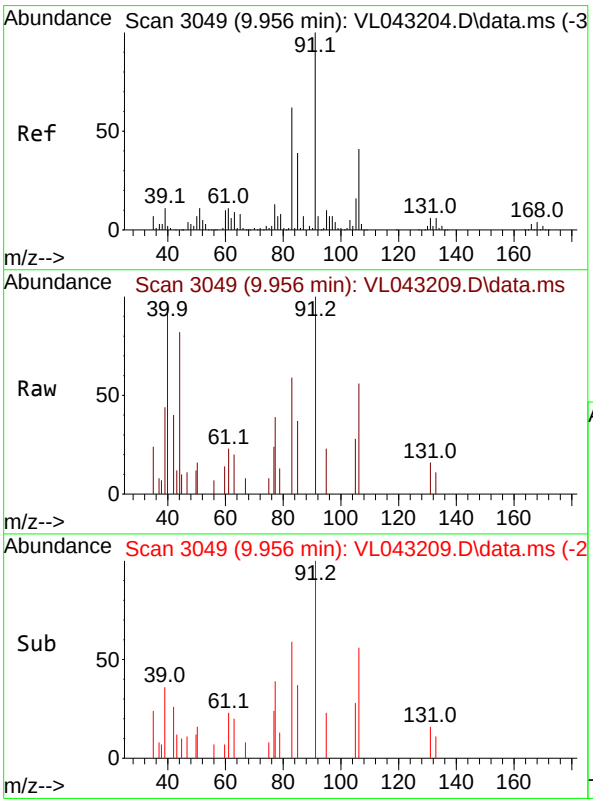
#59
m/p-Xylene
Concen: 0.009 ppbv
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 299

Ion	Ratio	Lower	Upper
91	100		
106	341.8	36.1	54.1#

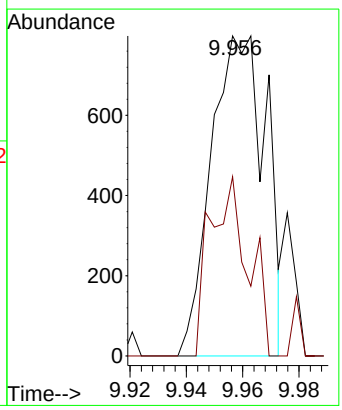


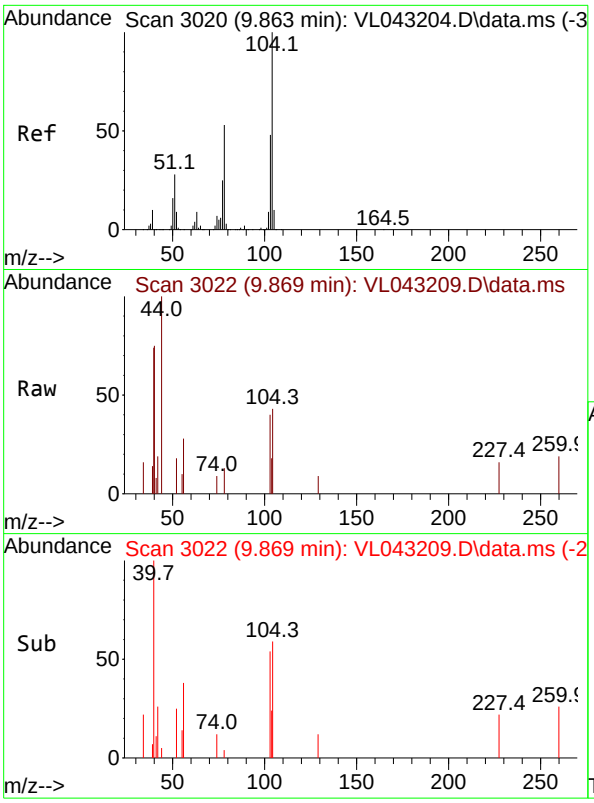


#60
o-Xylene
Concen: 0.033 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 91 Resp: 1078

Ion	Ratio	Lower	Upper
91	100		
106	41.6	20.9	62.8



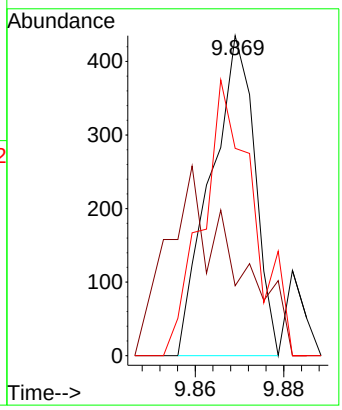


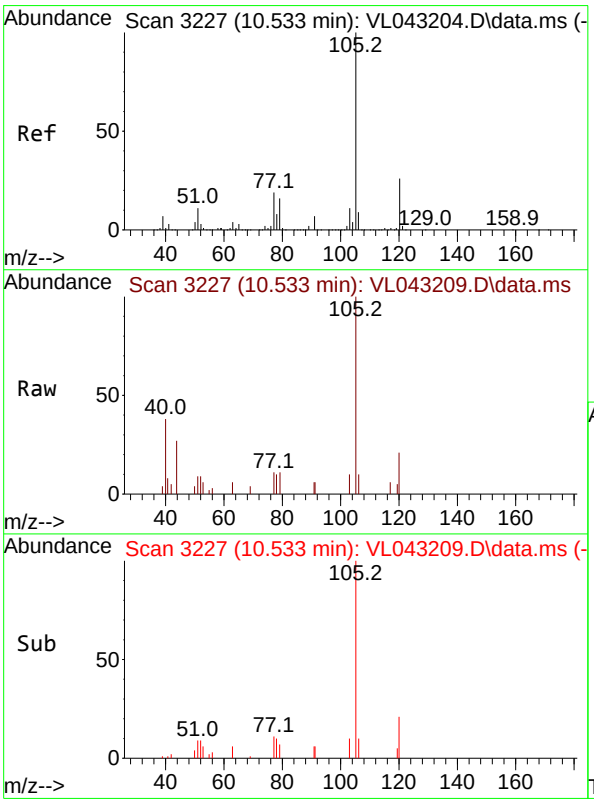
#61
Styrene
Concen: 0.021 ppbv
RT: 9.869 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:104 Resp: 300

Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.1	63.1
103	109.0	37.2	55.8#

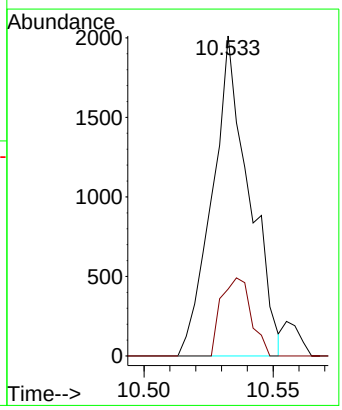


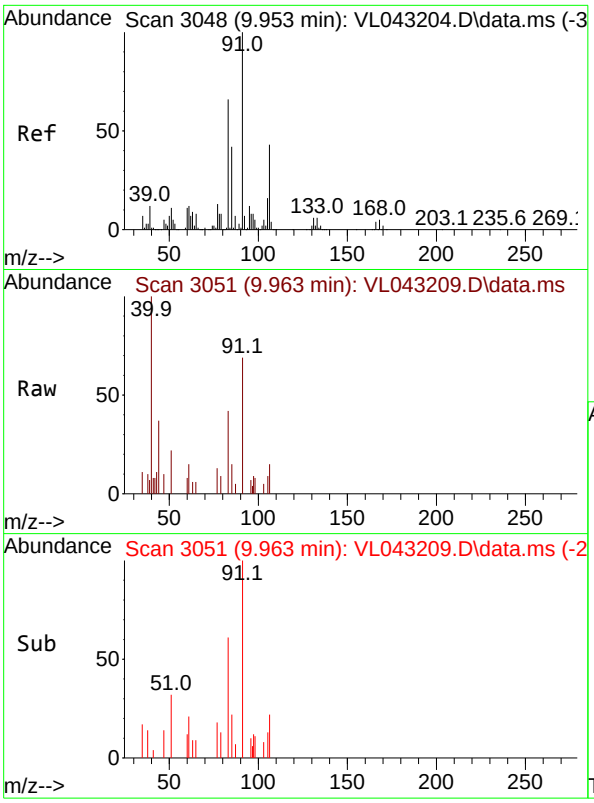


#62
Isopropylbenzene
Concen: 0.034 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:105 Resp: 1990

Ion	Ratio	Lower	Upper
105	100		
120	19.9	19.8	29.8



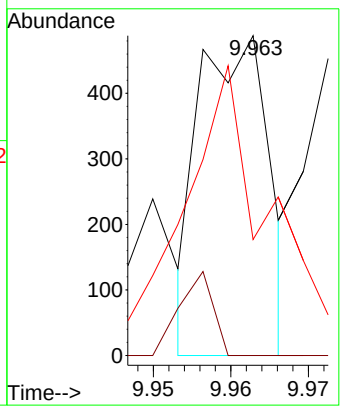


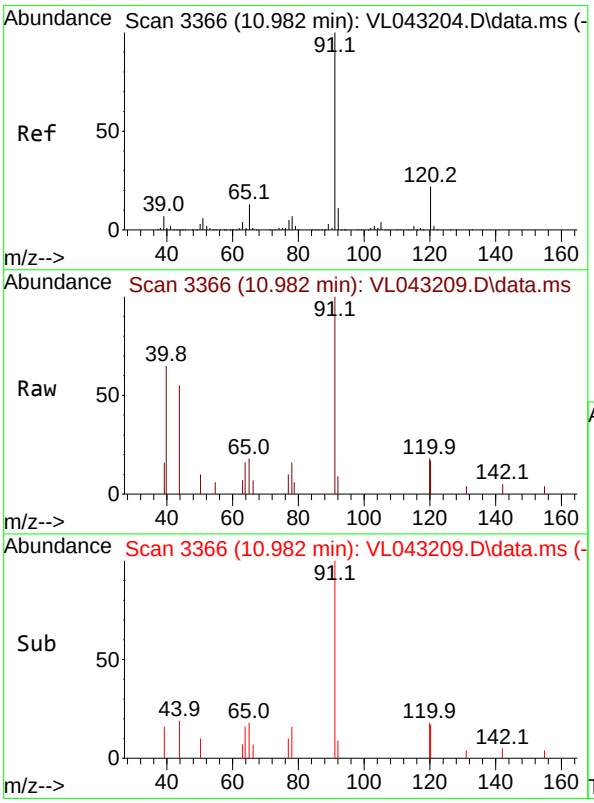
#63
1,1,2,2-Tetrachloroethane
Concen: 0.015 ppbv
RT: 9.963 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 306

Ion	Ratio	Lower	Upper
83	100		
131	12.7	4.8	14.3
85	110.5	31.9	95.9#

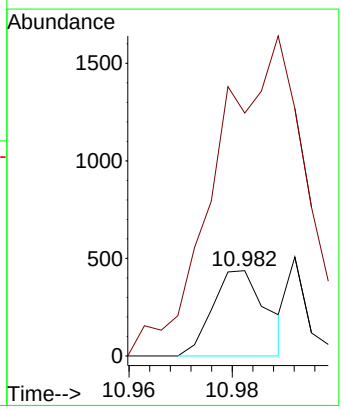


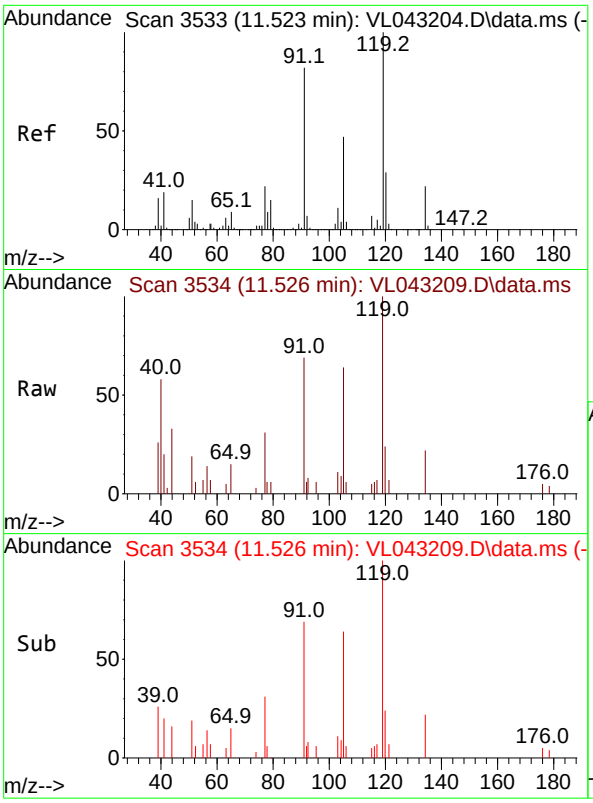


#64
n-propylbenzene
Concen: 0.021 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:120 Resp: 316

Ion	Ratio	Lower	Upper
120	100		
91	519.6	377.1	565.7



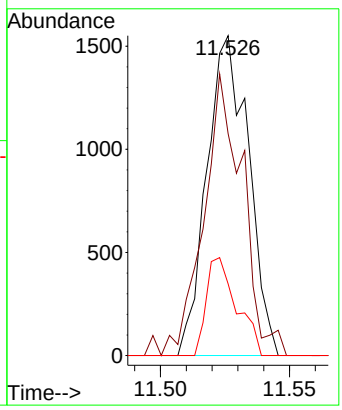


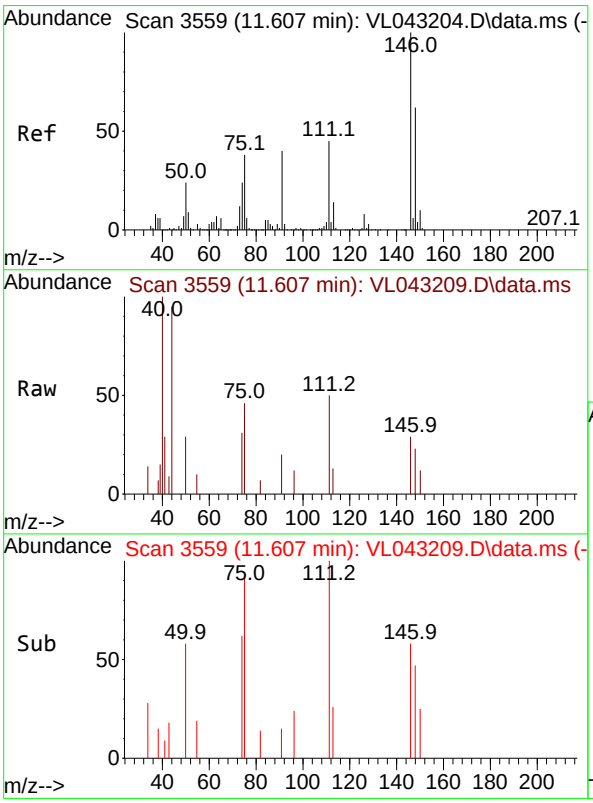
#65
tert-Butylbenzene
Concen: 0.033 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 1740

Ion	Ratio	Lower	Upper
119	100		
91	83.2	65.3	97.9
134	22.4	17.0	25.4

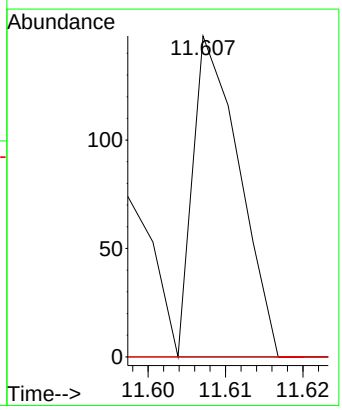


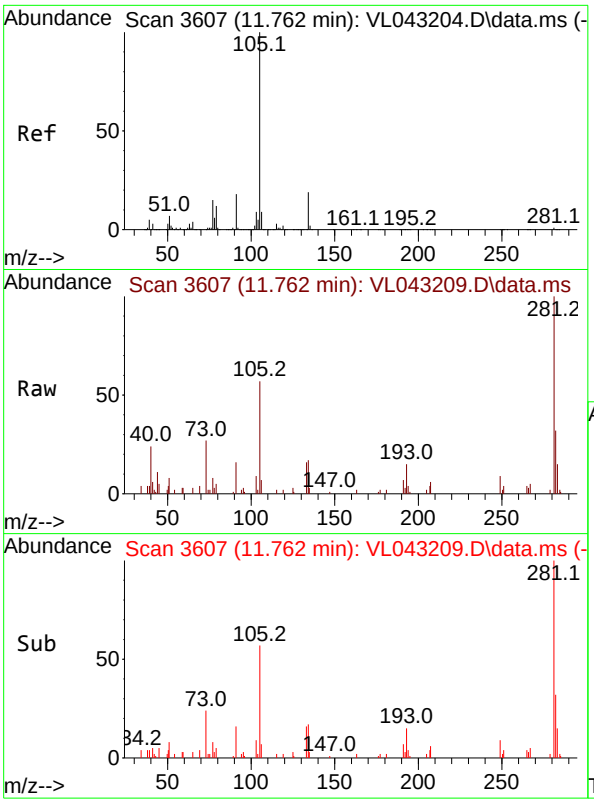


#66
Benzyl Chloride
Concen: 0.012 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 91 Resp: 62

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	21.6#
128	0.0	4.6	6.8#



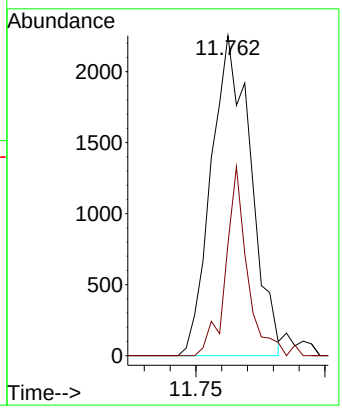


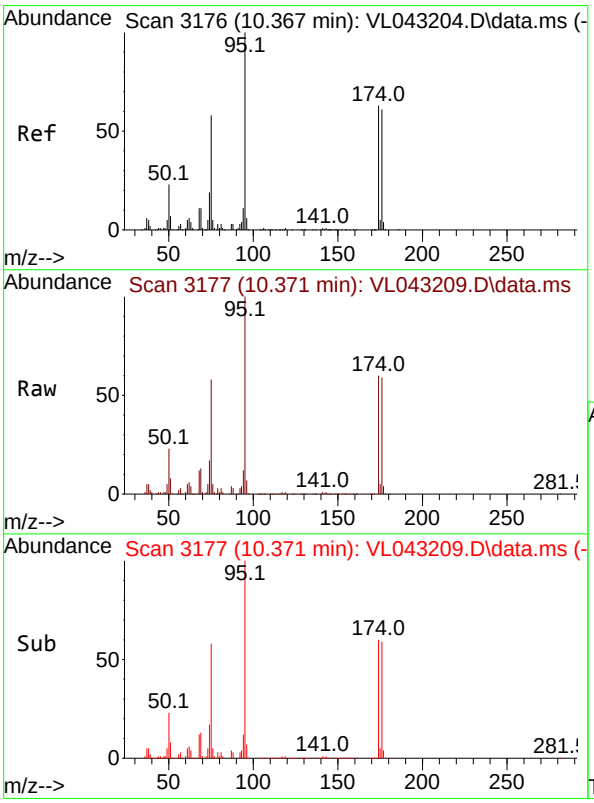
#67
sec-Butylbenzene
Concen: 0.033 ppbv
RT: 11.762 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 2398

Ion	Ratio	Lower	Upper
105	100		
134	32.4	15.0	22.6#

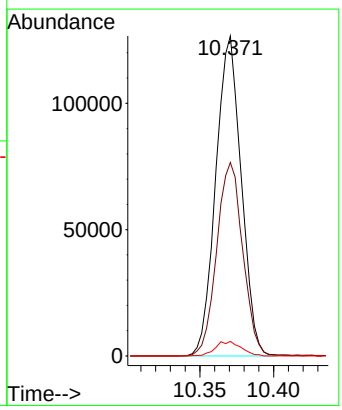


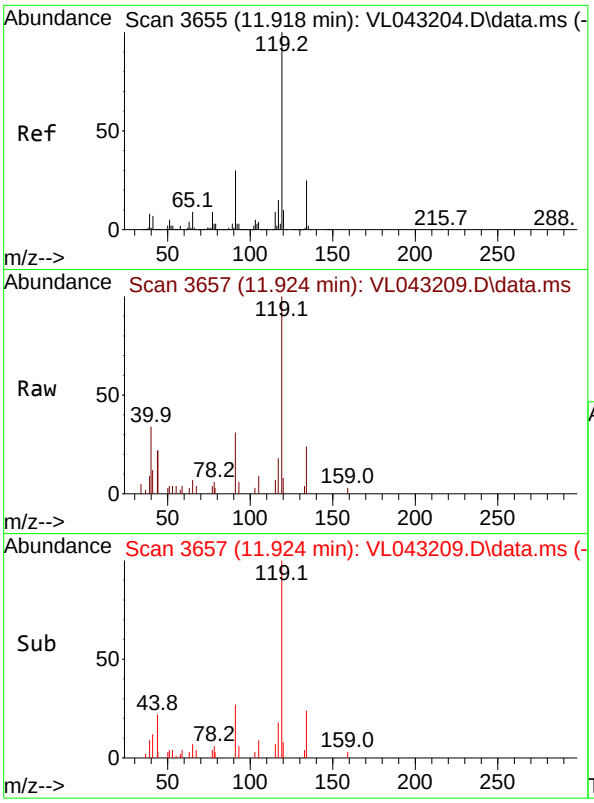


#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 95 Resp: 152015

Ion	Ratio	Lower	Upper
95	100		
174	62.0	50.2	75.2
175	4.6	4.1	6.1



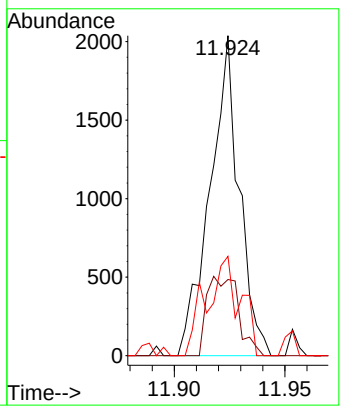


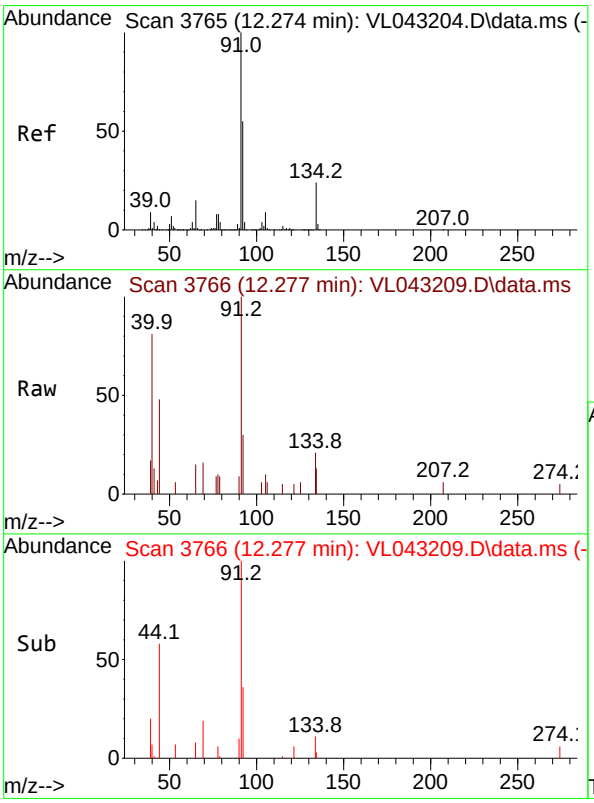
#69
p-Isopropyltoluene
Concen: 0.030 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 1875

Ion	Ratio	Lower	Upper
119	100		
134	26.7	20.2	30.2
91	37.8	23.8	35.8#

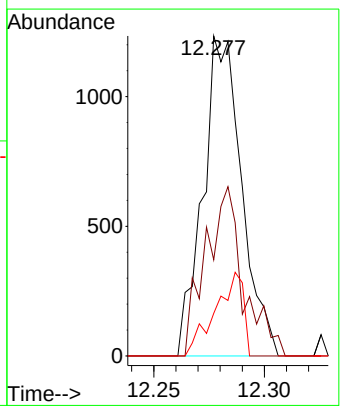


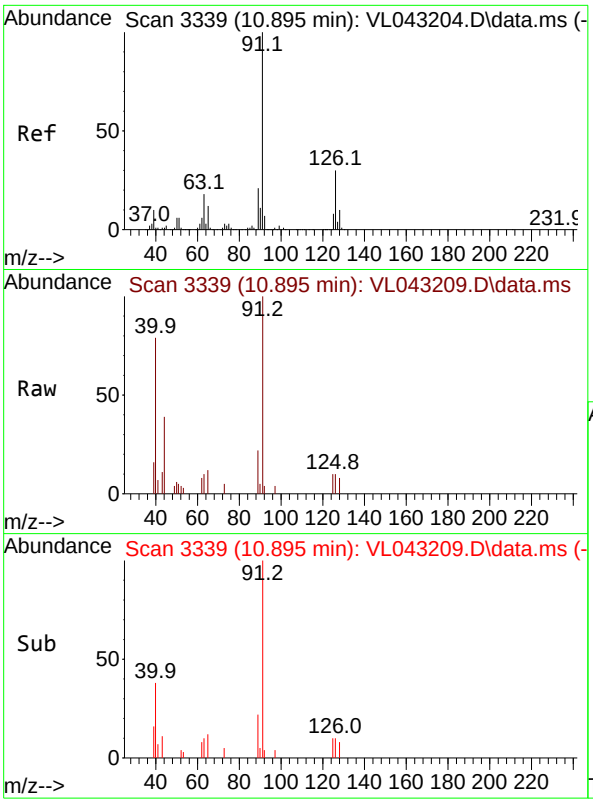


#70
n-Butylbenzene
Concen: 0.025 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 91 Resp: 1502

Ion	Ratio	Lower	Upper
91	100		
92	51.6	43.5	65.3
134	19.0	19.0	28.6



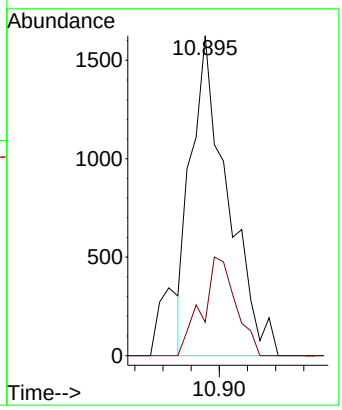


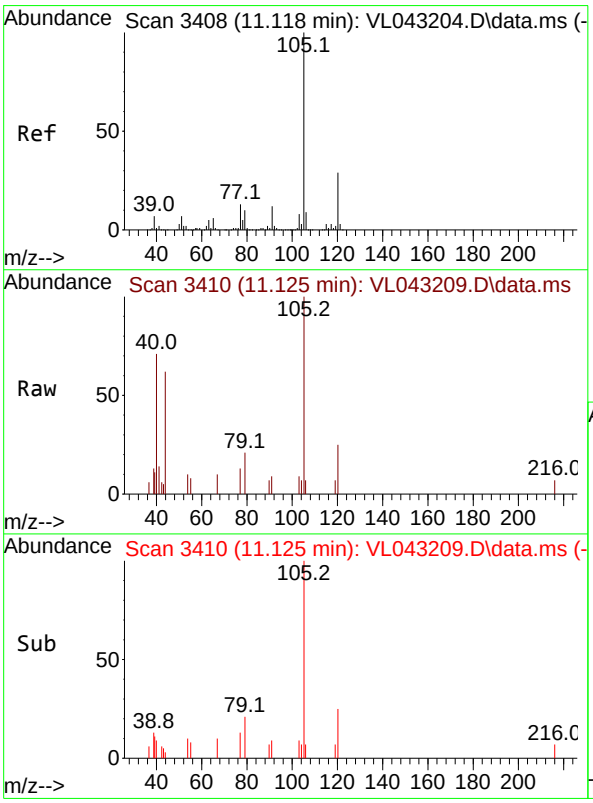
#71
2-Chlorotoluene
Concen: 0.032 ppbv
RT: 10.895 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 1463

Ion	Ratio	Lower	Upper
91	100		
126	28.2	11.7	46.7

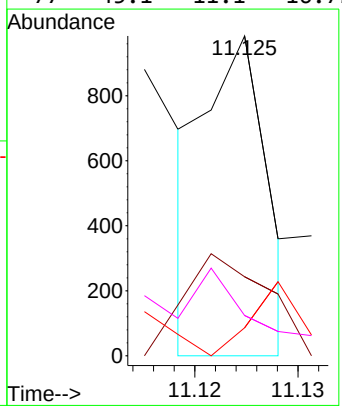


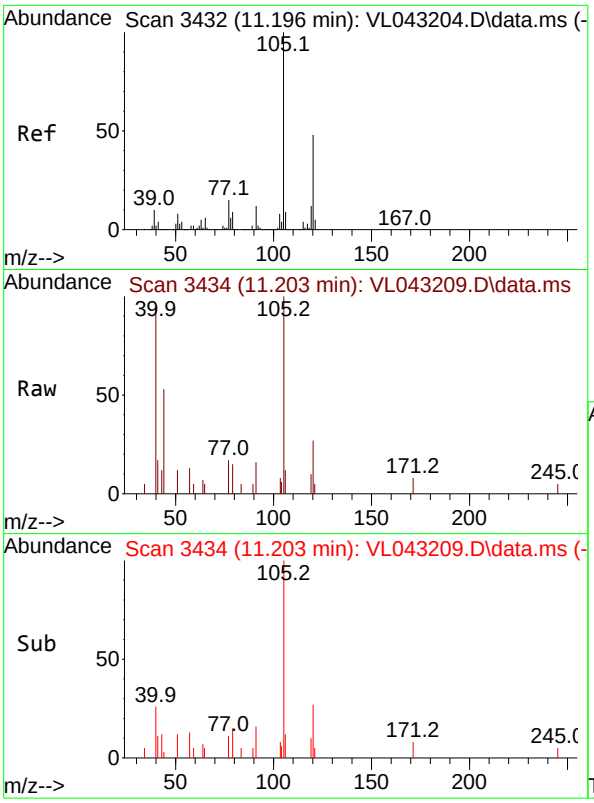


#72
4-Ethyltoluene
Concen: 0.010 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:105 Resp: 408

Ion	Ratio	Lower	Upper
105	100		
120	42.9	23.8	35.8#
91	0.0	10.3	15.5#
77	45.1	11.1	16.7#



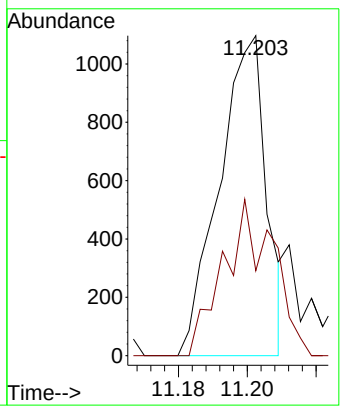


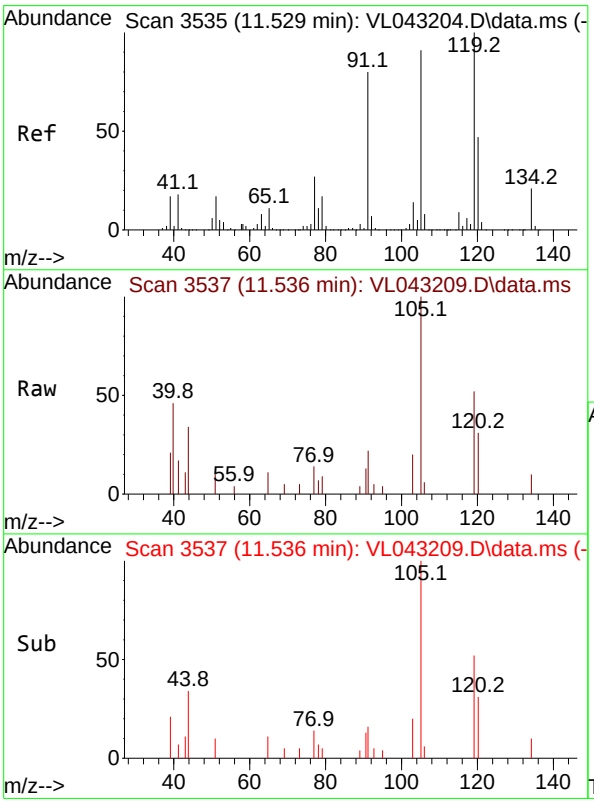
#73
1,3,5-Trimethylbenzene
Concen: 0.031 ppbv
RT: 11.203 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 1041

Ion	Ratio	Lower	Upper
105	100		
120	26.5	38.6	57.8#

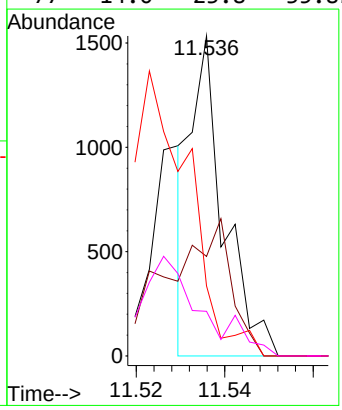


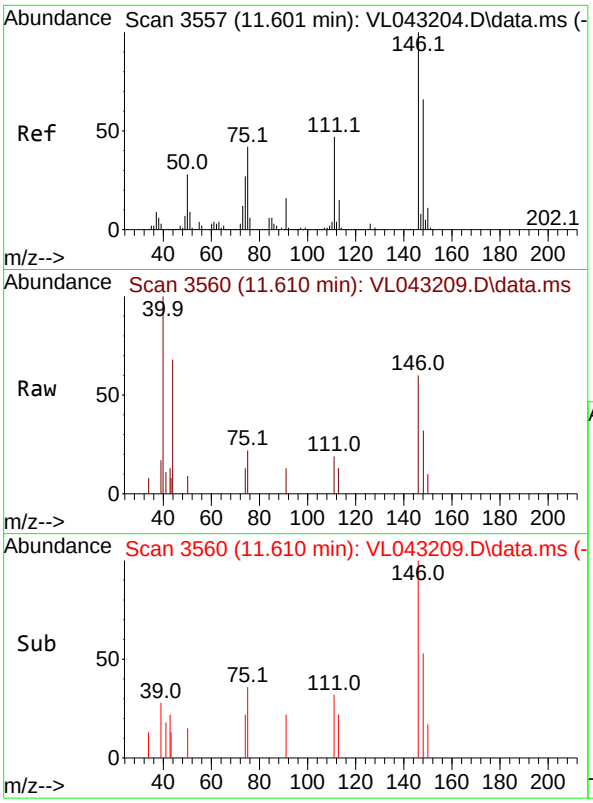


#74
1,2,4-Trimethylbenzene
Concen: 0.021 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:105 Resp: 789

Ion	Ratio	Lower	Upper
105	100		
120	31.1	41.7	62.5#
91	21.9	70.0	105.0#
77	14.0	23.8	35.8#



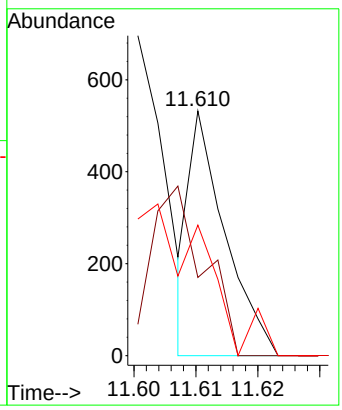


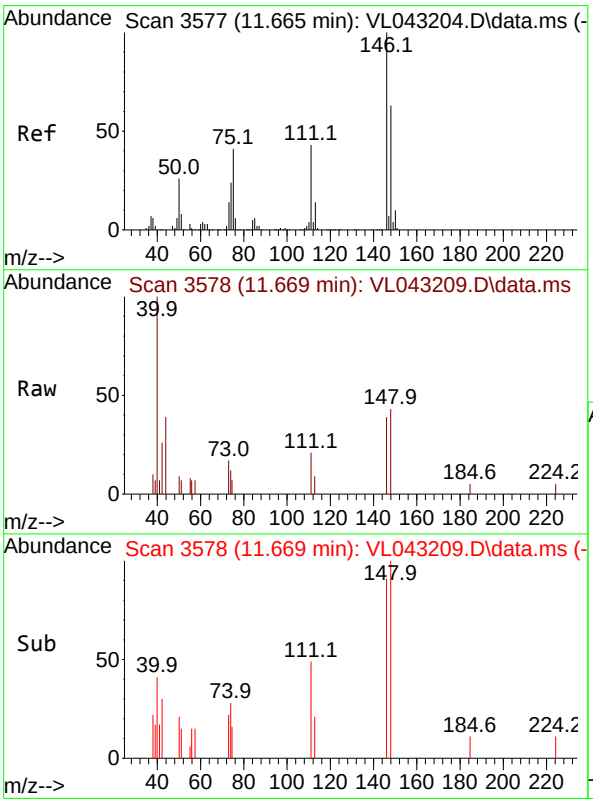
#75
1,3-Dichlorobenzene
Concen: 0.010 ppbv
RT: 11.610 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 214

Ion	Ratio	Lower	Upper
146	100		
111	126.2	23.4	70.3#
148	144.9	31.6	95.0#

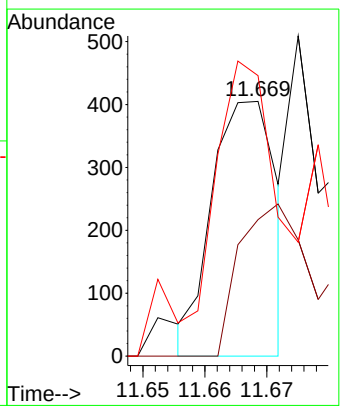


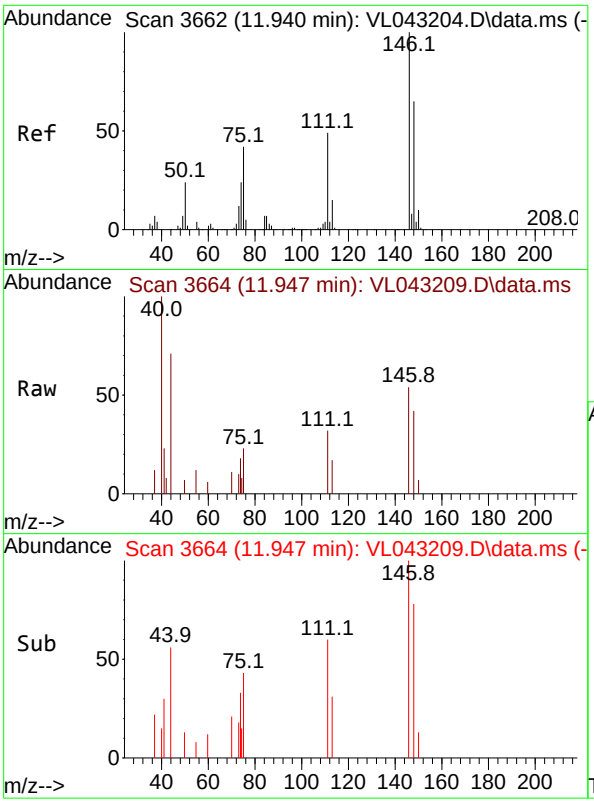


#76
1,4-Dichlorobenzene
Concen: 0.014 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:146 Resp: 292

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.8	68.3#
148	157.5	31.8	95.4#



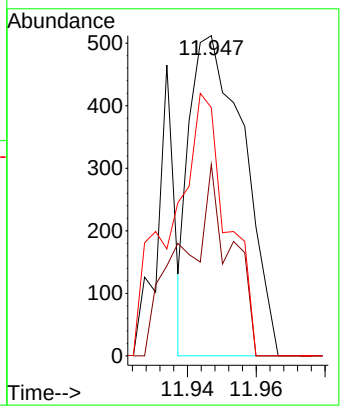


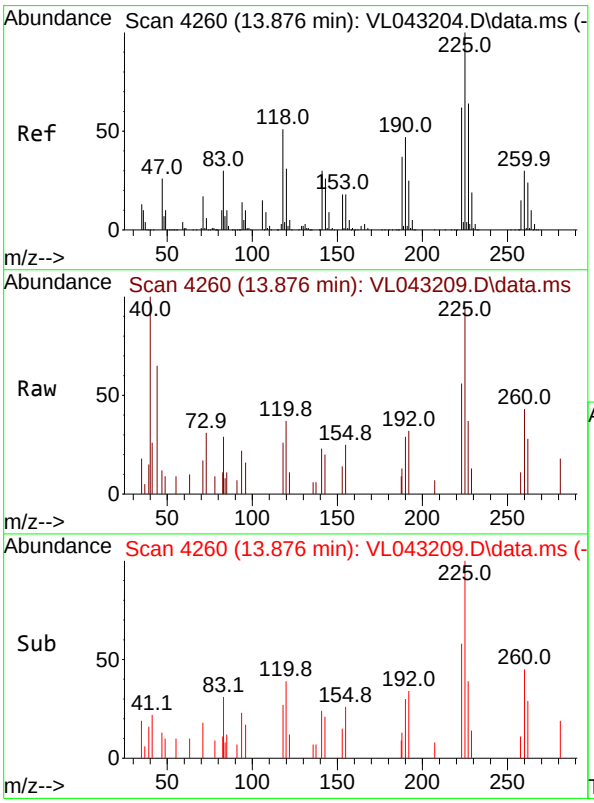
#77
1,2-Dichlorobenzene
Concen: 0.027 ppbv
RT: 11.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 561

Ion	Ratio	Lower	Upper
146	100		
111	53.7	24.3	73.0
148	85.2	31.6	94.7

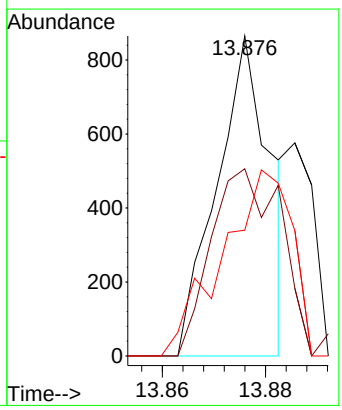


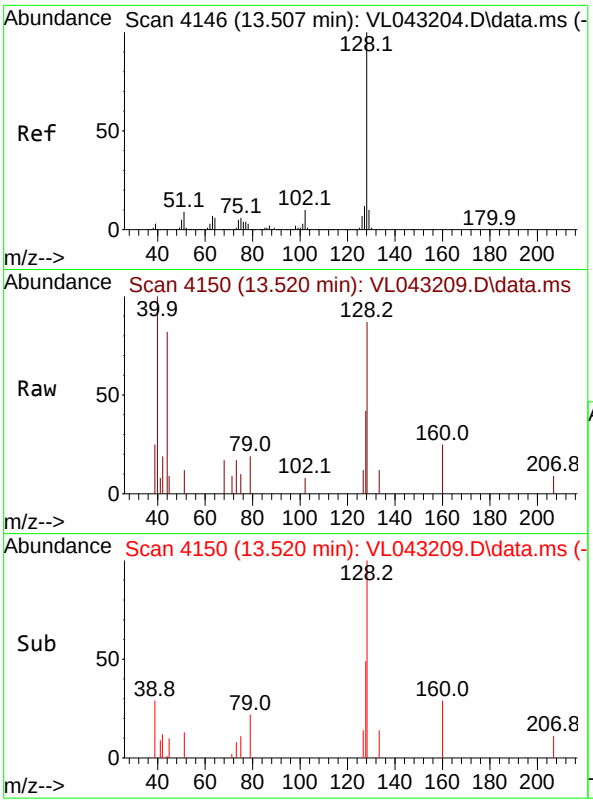


#78
Hexachloro-1,3-Butadiene
Concen: 0.036 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:225 Resp: 622

Ion	Ratio	Lower	Upper
225	100		
223	78.3	50.2	75.4#
227	75.2	51.1	76.7



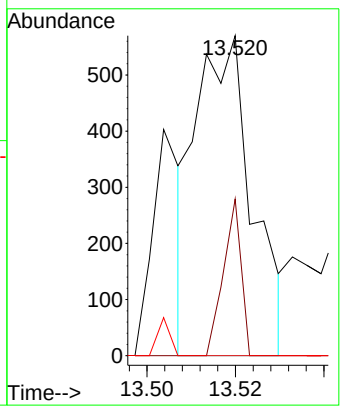


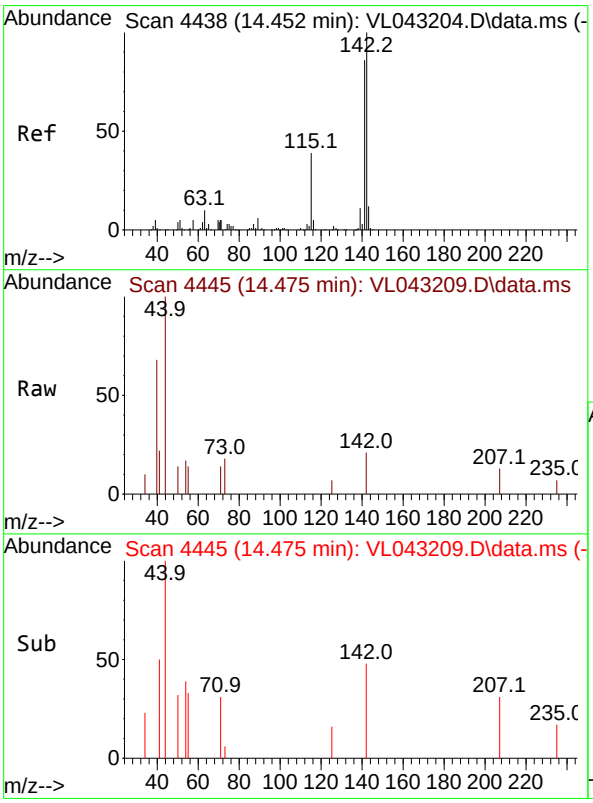
#79
Naphthalene
Concen: 0.015 ppbv
RT: 13.520 min Scan# 4
Delta R.T. 0.013 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 504

Ion	Ratio	Lower	Upper
128	100		
127	65.8	9.9	14.9#
129	0.0	8.4	12.6#

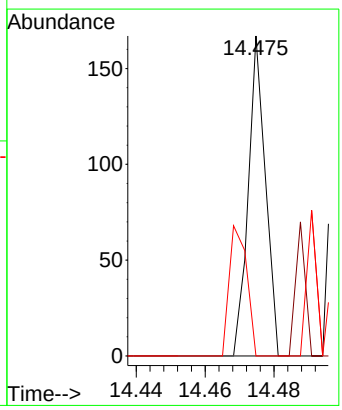


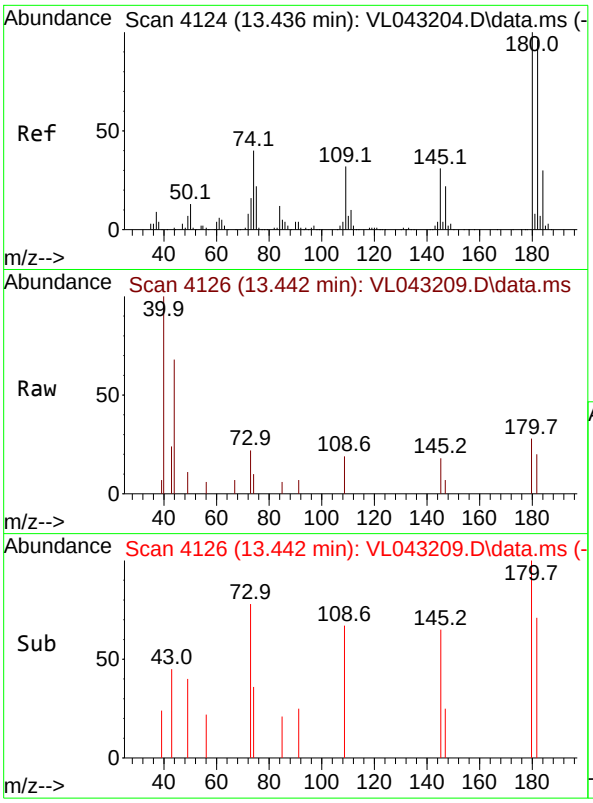


#80
Naphthalene,2-methyl-
Concen: 0.007 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.023 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:142 Resp: 58

Ion	Ratio	Lower	Upper
142	100		
141	0.0	67.1	100.7#
115	41.4	31.9	47.9



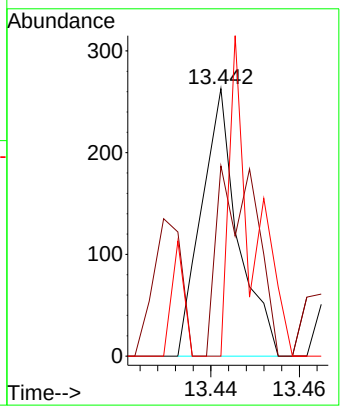


#81
1,2,4-Trichlorobenzene
Concen: 0.010 ppbv
RT: 13.442 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 150

Ion	Ratio	Lower	Upper
180	100		
182	132.0	77.4	116.2#
184	92.0	24.2	36.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043210.D
Acq On : 18 Nov 2025 13:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Nov 19 00:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	98968	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	258461	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	211247	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	159814	10.321	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	197987	14.184	ppbv	99
3) Chlorodifluoromethane	1.476	51	182813	13.317	ppbv	98
4) Chloromethane	1.531	50	72636	13.918	ppbv	97
5) Vinyl Chloride	1.580	62	71671	12.557	ppbv	96
6) Bromomethane	1.667	94	38265	13.830	ppbv	98
7) Chloroethane	1.703	64	29584	13.309	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	165709	14.271	ppbv	97
9) Propene	1.771	41	77762	12.212	ppbv	99
10) Heptane	4.972	43	225935	12.934	ppbv	100
11) Trichlorofluoromethane	1.874	101	200703	14.840	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	152772	14.469	ppbv	98
13) Ethanol	1.719	45	25468	12.425	ppbv	99
14) Bromoethene	1.781	108	55813	13.789	ppbv	96
15) Acetone	1.832	43	161036	11.712	ppbv	99
16) 1,3-Butadiene	1.609	39	81077	13.226	ppbv	99
17) tert-Butyl alcohol	2.036	59	257617	14.274	ppbv	99
18) 1,1-Dichloroethene	2.033	96	65731	13.370	ppbv	96
19) Isopropyl Alcohol	1.881	45	105271	13.549	ppbv	99
20) Methylene Chloride	2.059	84	59798	15.164	ppbv	93
21) Allyl Chloride	2.094	41	126959	13.724	ppbv	96
22) trans-1,2-Dichloroethene	2.337	96	77386	13.772	ppbv	94
23) Vinyl Acetate	2.457	43	232315	13.995	ppbv	99
24) 1,1-Dichloroethane	2.405	63	155017	14.292	ppbv	98
25) Ethyl Acetate	2.829	43	394074	13.265	ppbv	99
26) Hexane	2.823	57	172303	13.252	ppbv	97
27) Carbon Disulfide	2.150	76	191612	14.435	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	91132	14.279	ppbv	97
29) Chloroform	2.845	83	262803	14.221	ppbv	100
30) Cyclohexane	3.852	84	152015	13.946	ppbv	94
31) cis-1,2-Dichloroethene	2.716	61	180647	13.978	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	276915	13.930	ppbv	98
34) 2-Butanone	2.551	43	253855	13.914	ppbv	100
35) Carbon Tetrachloride	3.755	117	279560	14.250	ppbv	96
36) Benzene	3.651	78	348892	14.096	ppbv	99
37) 1,2-Dichloroethane	3.214	62	214248	14.798	ppbv	98
38) Trichloroethene	4.541	130	137027	14.123	ppbv	93
39) 1,2-Dichloropropane	4.302	63	128700	14.206	ppbv	98
40) 1,4-Dioxane	4.571	88	55905	13.728	ppbv #	95
41) Tetrahydrofuran	3.043	42	139722	13.868	ppbv	99
42) Bromodichloromethane	4.480	83	294008	14.721	ppbv	97
43) Methyl Methacrylate	4.872	69	179110	13.633	ppbv	100
44) 2,2,4-Trimethylpentane	4.632	57	595778	14.014	ppbv	99
45) t-1,3-Dichloropropene	6.406	75	177678	14.508	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043210.D
Acq On : 18 Nov 2025 13:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Nov 19 00:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	205226	14.270	ppbv		100
47) 1,1,2-Trichloroethane	6.571	97	132701	13.738	ppbv		92
48) Dibromochloromethane	7.377	129	240736	14.564	ppbv		99
49) Bromoform	9.477	173	211325	14.434	ppbv		99
50) 4-Methyl-2-Pentanone	5.732	43	354421	13.790	ppbv		99
51) 2-Hexanone	7.422	43	280742	14.067	ppbv	#	100
52) Tetrachloroethene	8.218	164	125132	13.591	ppbv		93
53) Toluene	6.924	91	414411	14.050	ppbv		99
54) 1,2-Dibromoethane	7.642	107	203913	14.413	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.917	131	214673	13.827	ppbv		99
57) Chlorobenzene	8.914	112	301986	13.923	ppbv		98
58) Ethyl Benzene	9.348	91	579890	14.262	ppbv		99
59) m/p-Xylene	9.545	91	423995	12.959	ppbv	#	20
60) o-Xylene	9.956	91	450260	13.826	ppbv		99
61) Styrene	9.862	104	204972	14.382	ppbv		99
62) Isopropylbenzene	10.532	105	803487	13.791	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.956	83	280254	13.557	ppbv		99
64) n-propylbenzene	10.986	120	205637	13.737	ppbv		100
65) tert-Butylbenzene	11.526	119	689352	13.249	ppbv		98
66) Benzyl Chloride	11.610	91	71386	13.520	ppbv		100
67) sec-Butylbenzene	11.762	105	972780	13.394	ppbv		100
69) p-Isopropyltoluene	11.921	119	836888	13.602	ppbv		99
70) n-Butylbenzene	12.277	91	838598	14.050	ppbv		99
71) 2-Chlorotoluene	10.895	91	625884	13.976	ppbv		100
72) 4-Ethyltoluene	11.121	105	553654	13.961	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	460783	13.846	ppbv		97
74) 1,2,4-Trimethylbenzene	11.533	105	486995	13.409	ppbv		97
75) 1,3-Dichlorobenzene	11.604	146	292143	13.784	ppbv		99
76) 1,4-Dichlorobenzene	11.668	146	294723	13.903	ppbv		99
77) 1,2-Dichlorobenzene	11.944	146	273467	13.420	ppbv		98
78) Hexachloro-1,3-Butadiene	13.876	225	211153	12.416	ppbv		99
79) Naphthalene	13.510	128	473229	14.670	ppbv		99
80) Naphthalene,2-methyl-	14.452	142	139019	16.418	ppbv		99
81) 1,2,4-Trichlorobenzene	13.436	180	216260	14.990	ppbv		99

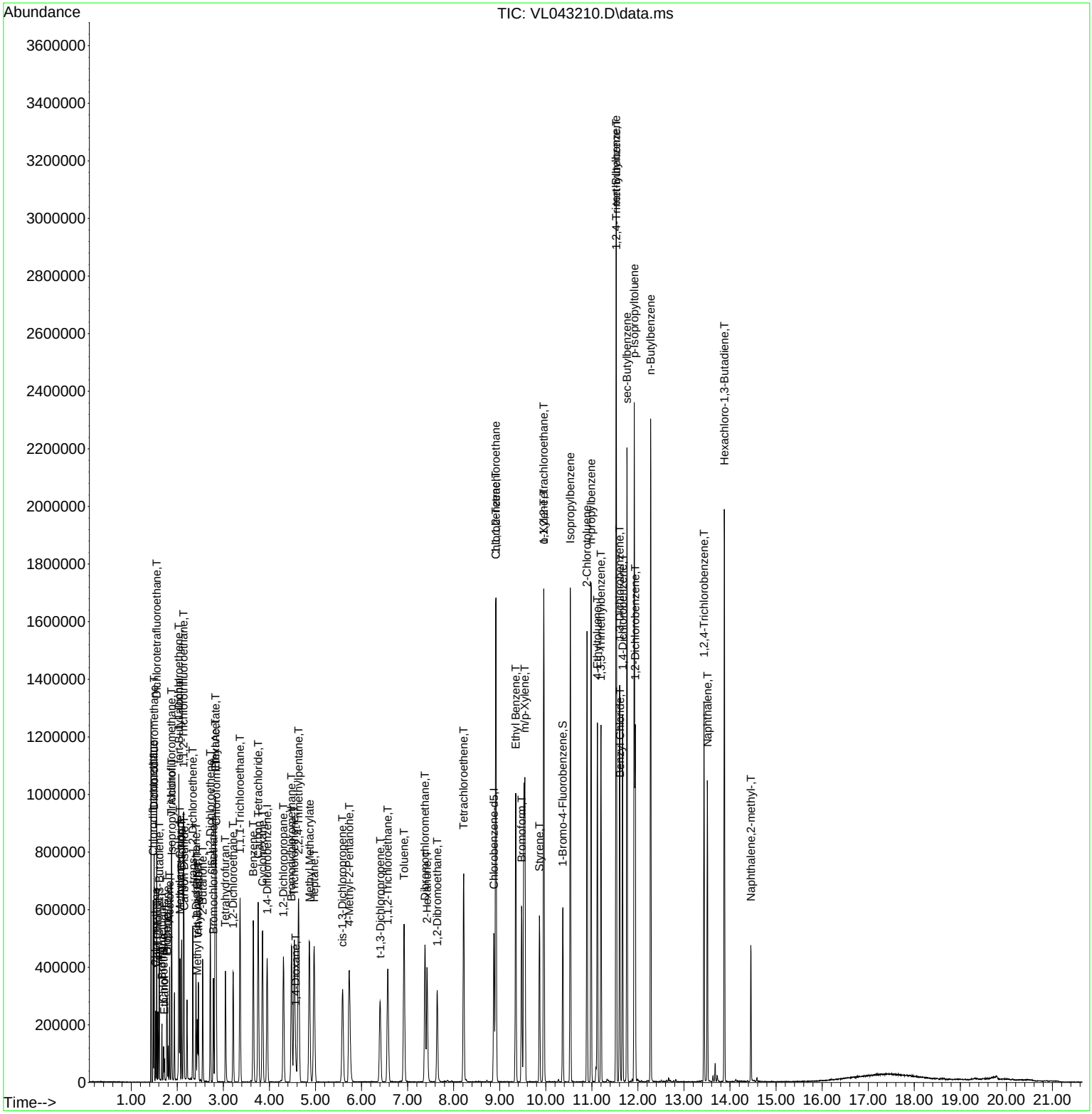
(#) = qualifier out of range (m) = manual integration (+) = signals summed

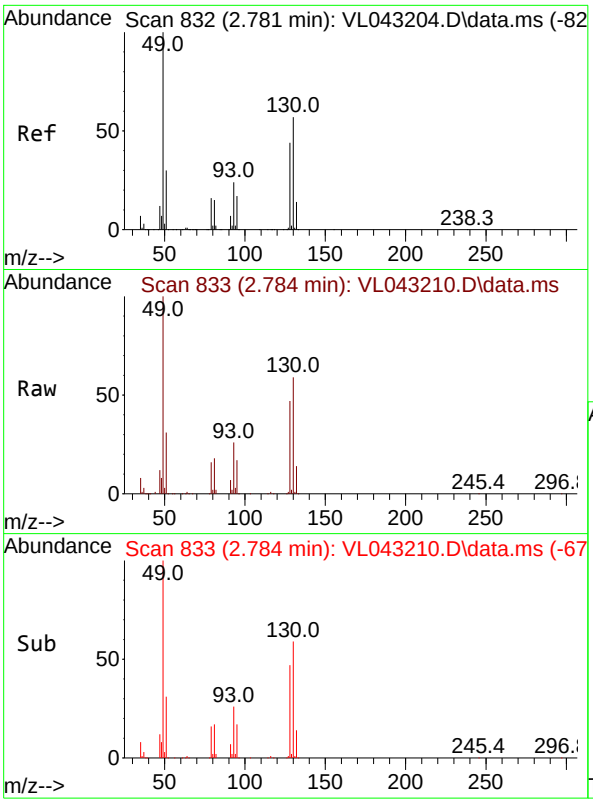
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043210.D
Acq On : 18 Nov 2025 13:24
Operator : SY/MD
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Nov 19 00:53:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration



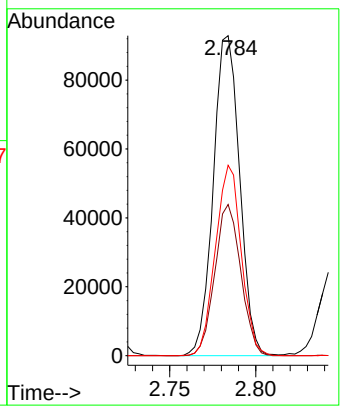


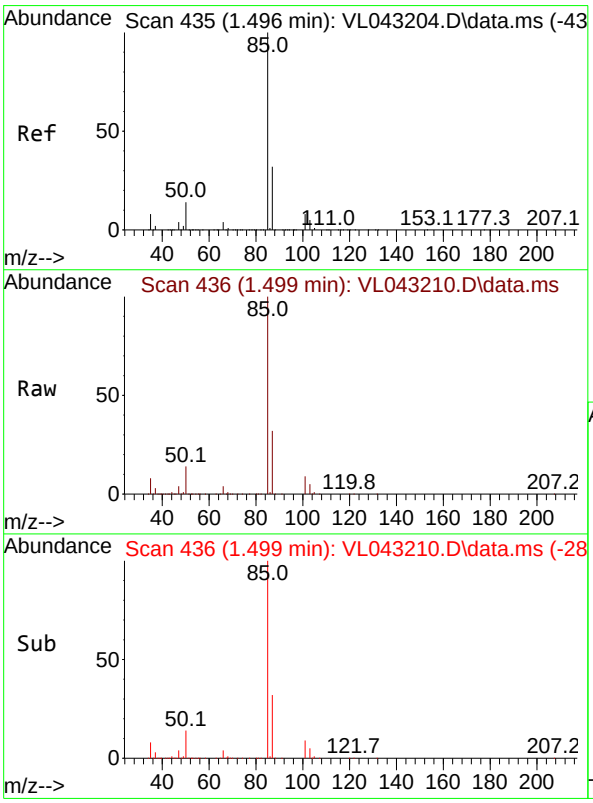
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 98968

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.0	69.0
130	58.4	29.9	89.7

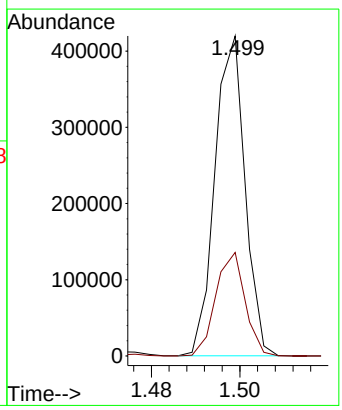


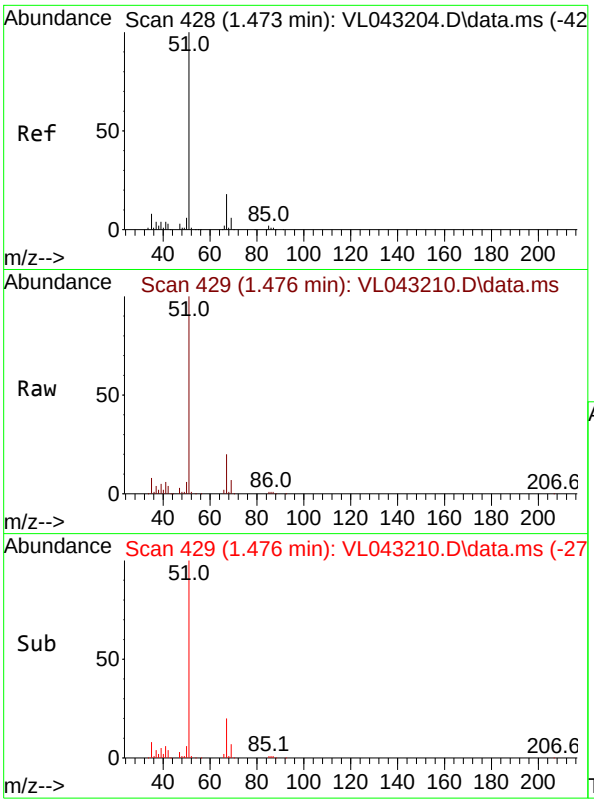


#2
Dichlorodifluoromethane
Concen: 14.184 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 85 Resp: 197987

Ion	Ratio	Lower	Upper
85	100		
87	32.4	25.4	38.2



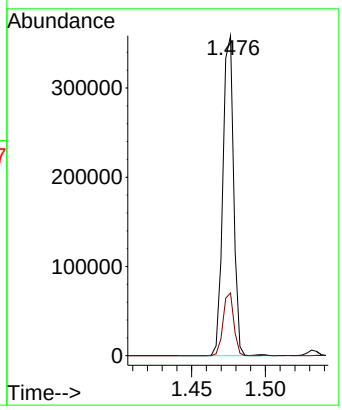


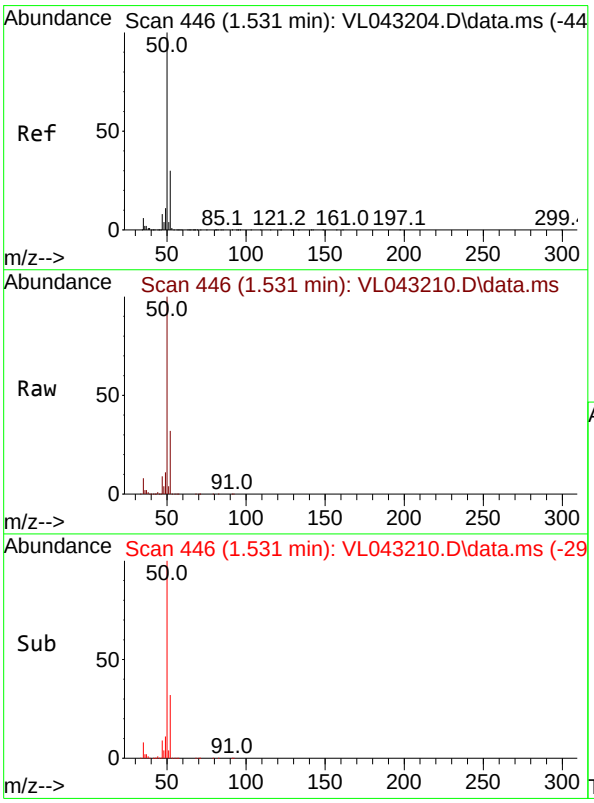
#3
Chlorodifluoromethane
Concen: 13.317 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 182813

Ion	Ratio	Lower	Upper
51	100		
67	19.7	14.9	22.3

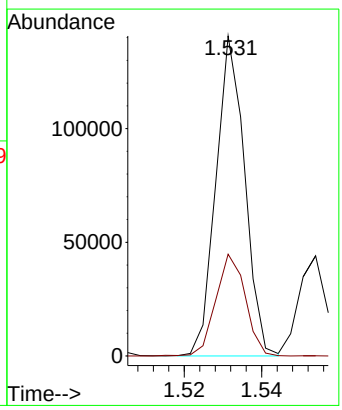


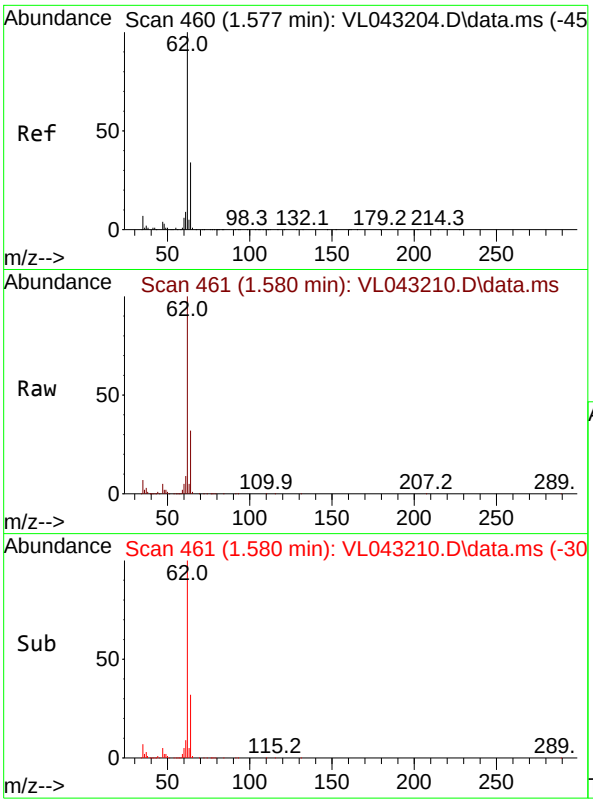


#4
Chloromethane
Concen: 13.918 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 50 Resp: 72636

Ion	Ratio	Lower	Upper
50	100		
52	31.7	24.1	36.1



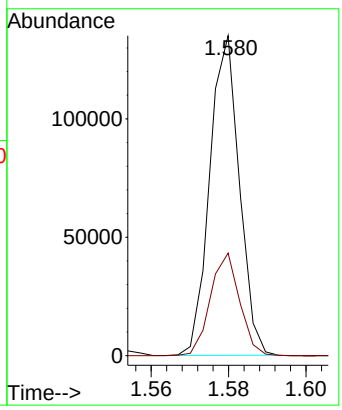


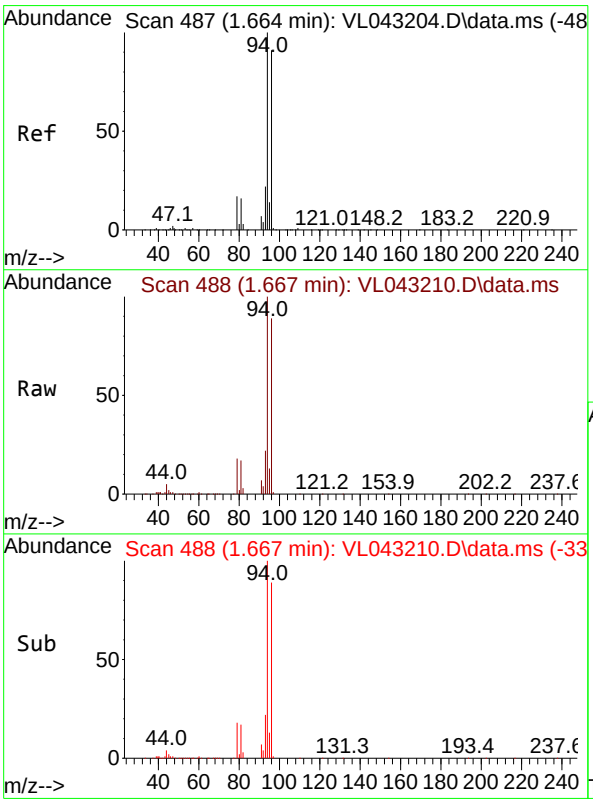
#5
Vinyl Chloride
Concen: 12.557 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 71671

Ion	Ratio	Lower	Upper
62	100		
64	32.0	27.3	40.9

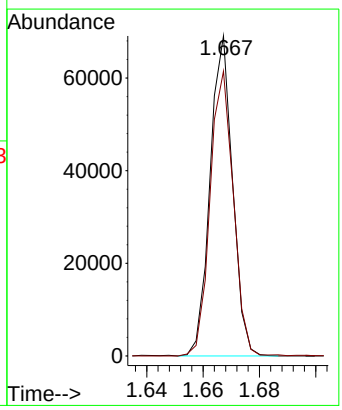


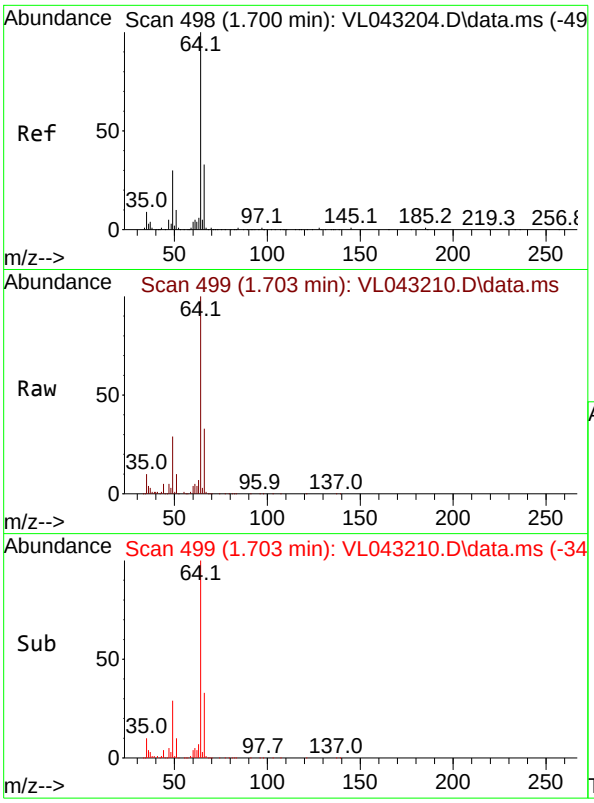


#6
Bromomethane
Concen: 13.830 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 94 Resp: 38265

Ion	Ratio	Lower	Upper
94	100		
96	89.0	72.9	109.3



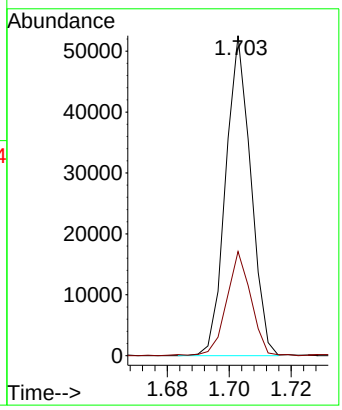


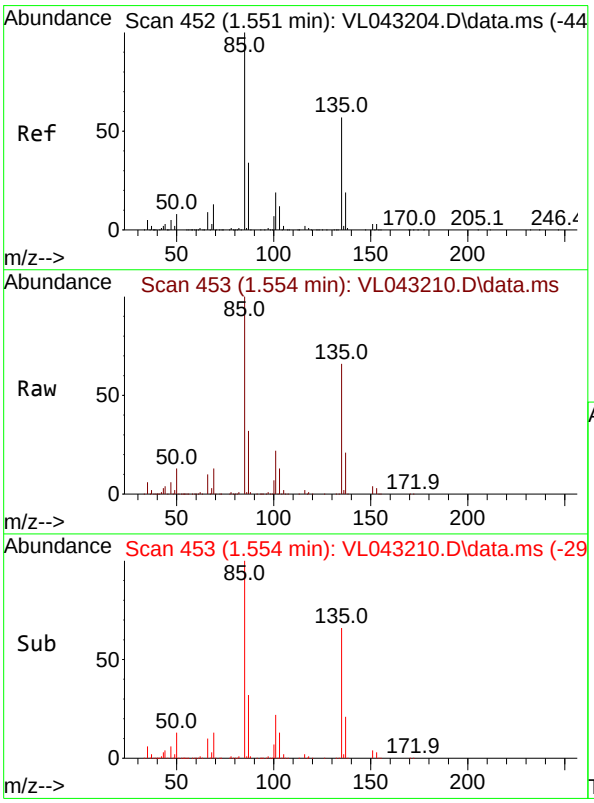
#7
Chloroethane
Concen: 13.309 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 29584

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.8	40.2

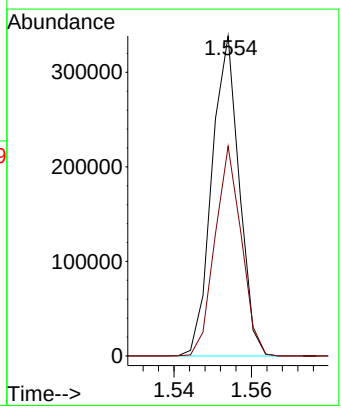


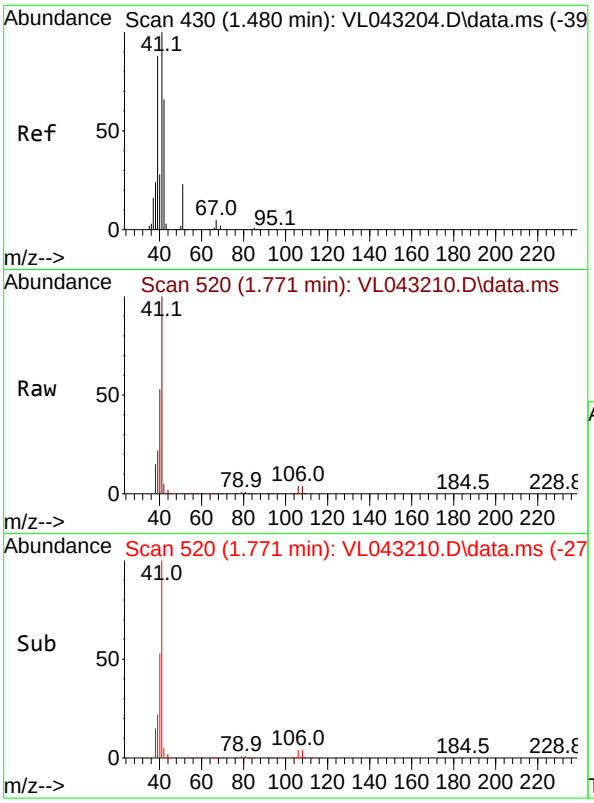


#8
Dichlorotetrafluoroethane
Concen: 14.271 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 85 Resp: 165709

Ion	Ratio	Lower	Upper
85	100		
135	63.7	52.6	79.0



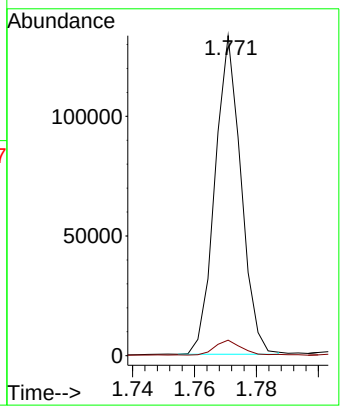


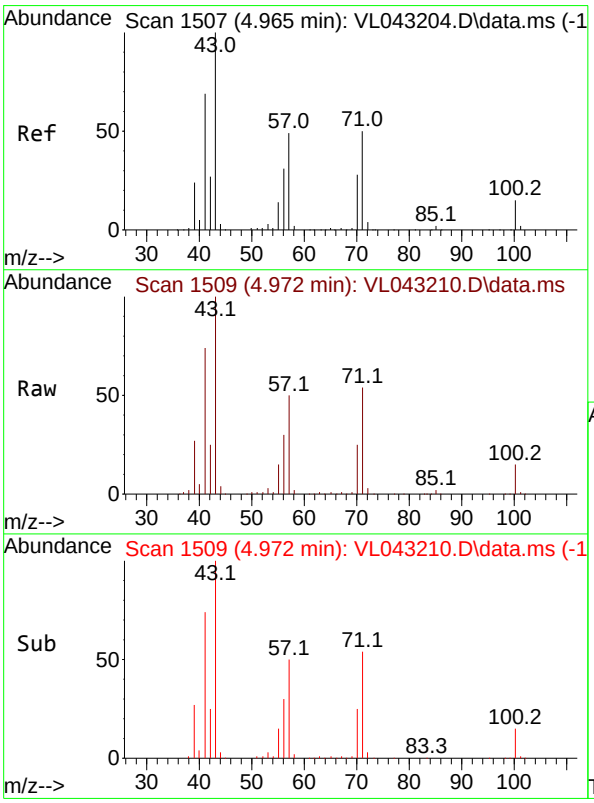
#9
Propene
Concen: 12.212 ppbv
RT: 1.771 min Scan# 5
Delta R.T. 0.291 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 77762

Ion	Ratio	Lower	Upper
41	100		
42	5.1	3.7	5.5

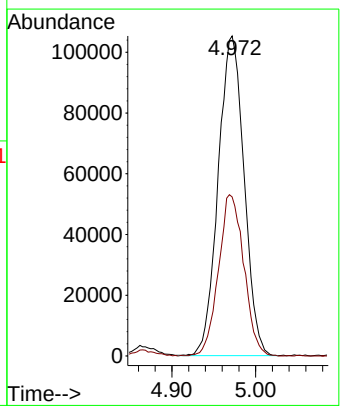


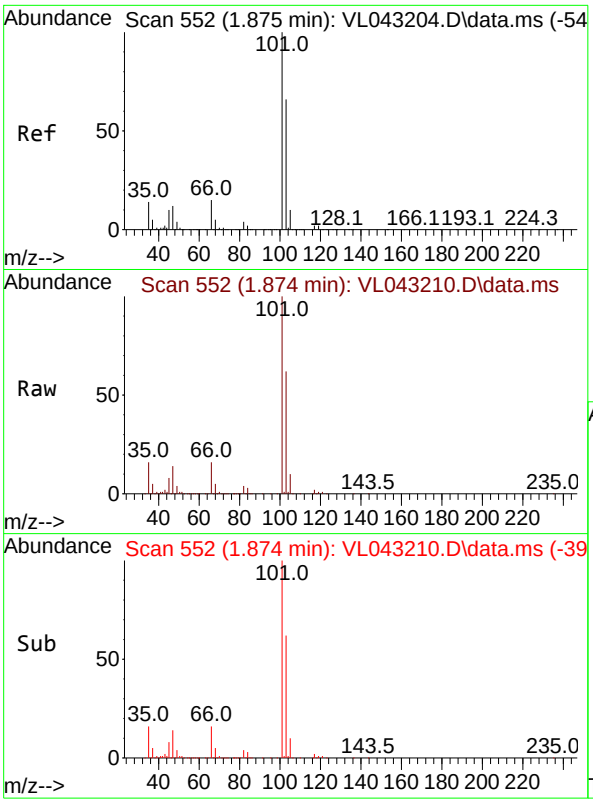


#10
Heptane
Concen: 12.934 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 225935

Ion	Ratio	Lower	Upper
43	100		
57	49.4	39.7	59.5



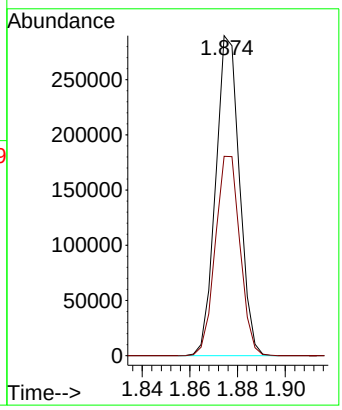


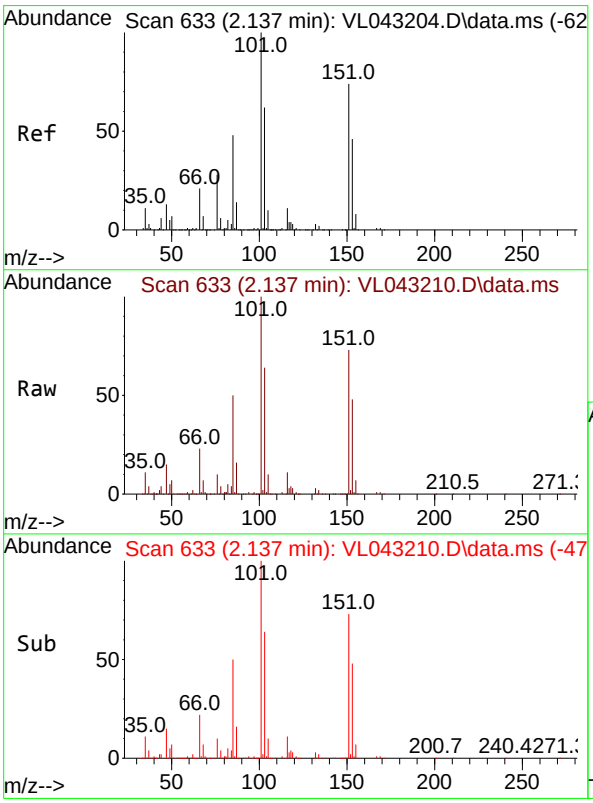
#11
Trichlorofluoromethane
Concen: 14.840 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 200703

Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.6	79.0

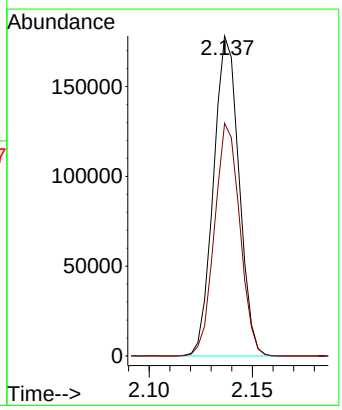


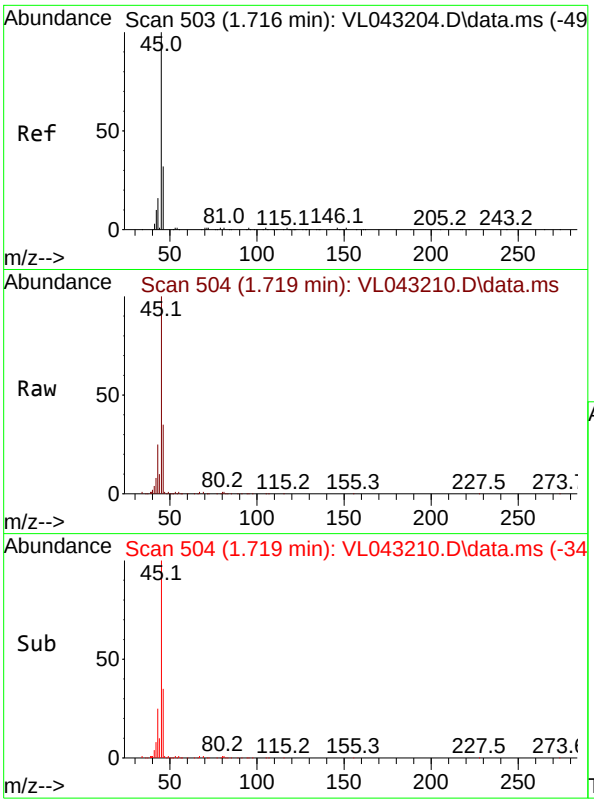


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.469 ppbv
RT: 2.137 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:101 Resp: 152772

Ion	Ratio	Lower	Upper
101	100		
151	72.3	59.2	88.8



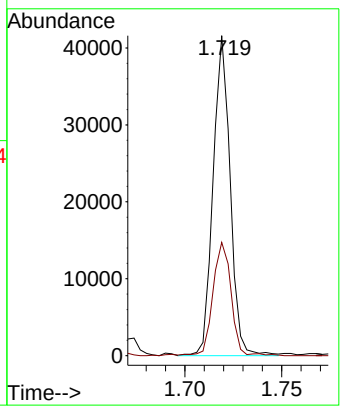


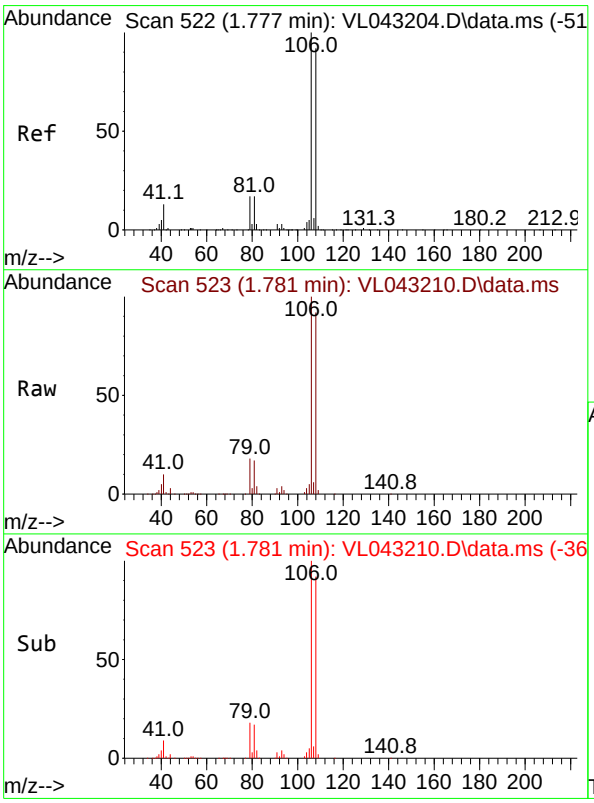
#13
Ethanol
Concen: 12.425 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 25468

Ion	Ratio	Lower	Upper
45	100		
46	37.9	15.0	59.8

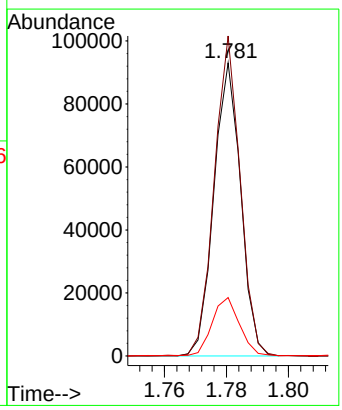


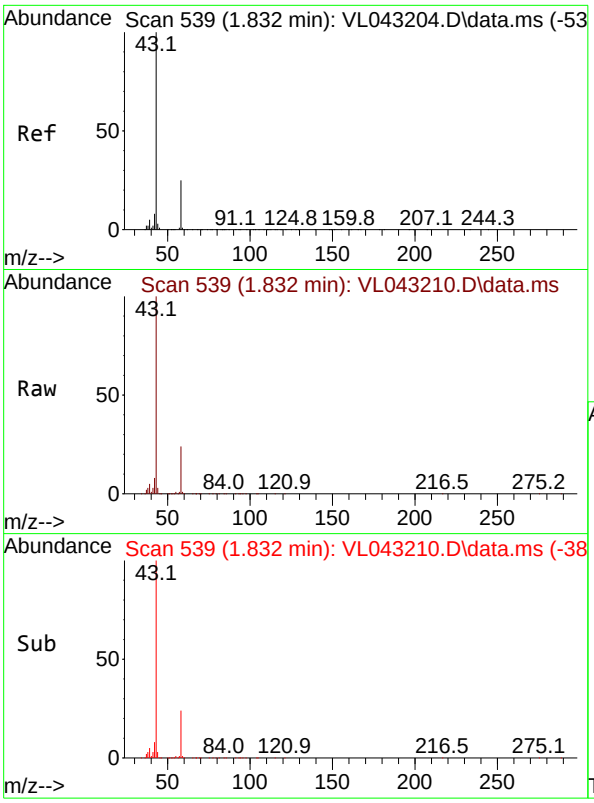


#14
Bromoethene
Concen: 13.789 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:108 Resp: 55813

Ion	Ratio	Lower	Upper
108	100		
106	105.8	88.9	133.3
79	20.6	16.5	24.7



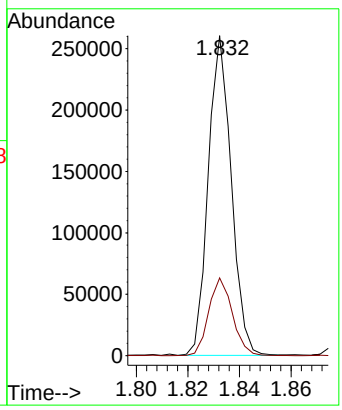


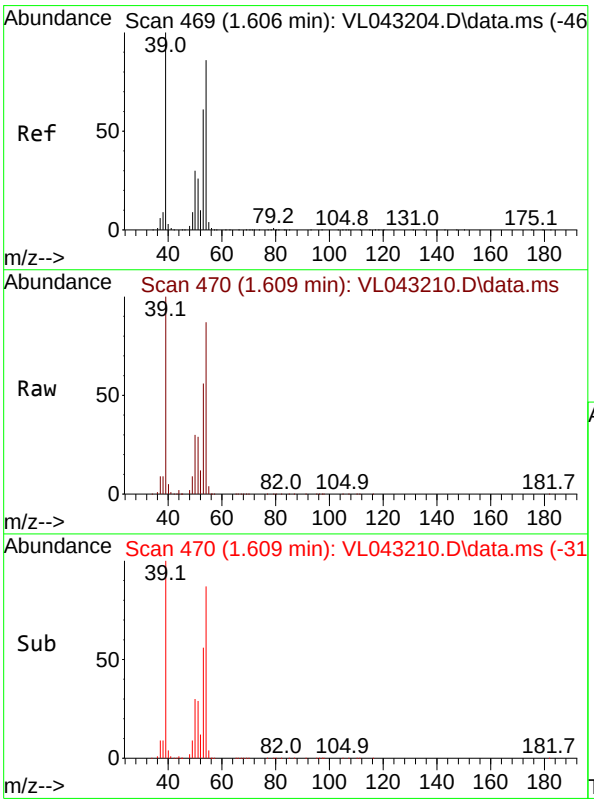
#15
Acetone
Concen: 11.712 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 161036

Ion	Ratio	Lower	Upper
43	100		
58	25.1	20.7	31.1

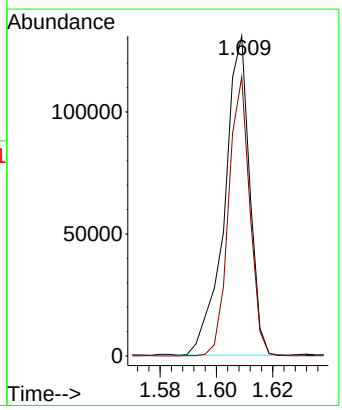


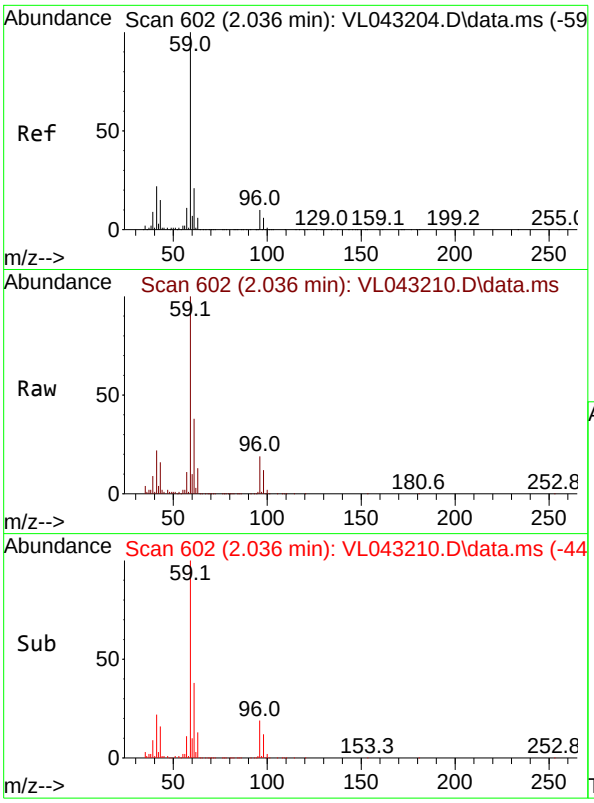


#16
1,3-Butadiene
Concen: 13.226 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 39 Resp: 81077

Ion	Ratio	Lower	Upper
39	100		
54	73.5	59.4	89.2



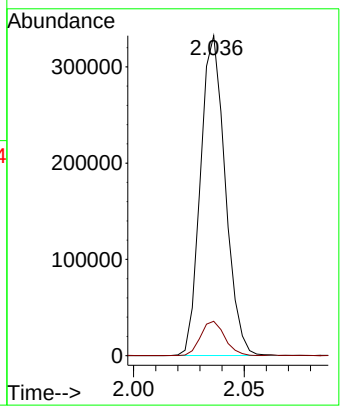


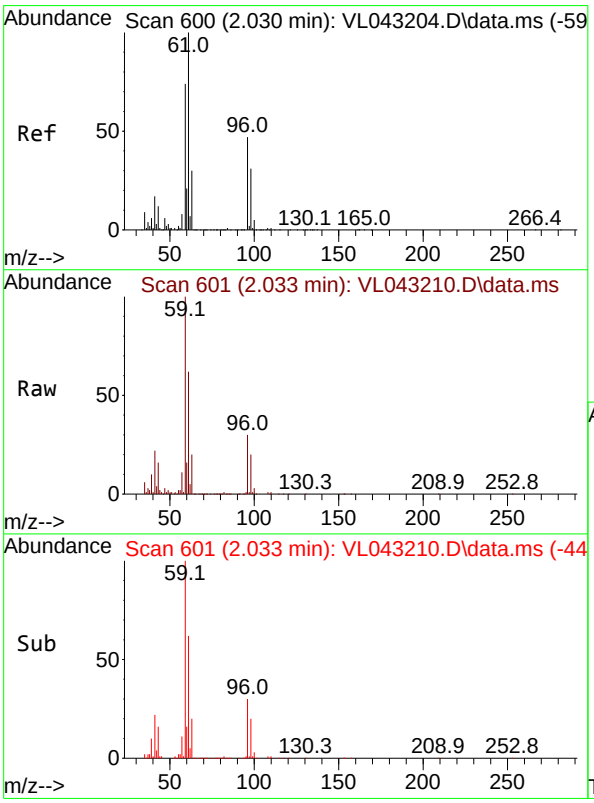
#17
tert-Butyl alcohol
Concen: 14.274 ppbv
RT: 2.036 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 257617

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.4

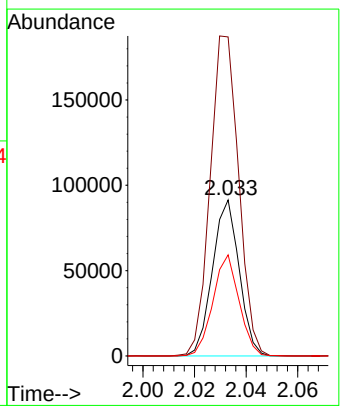


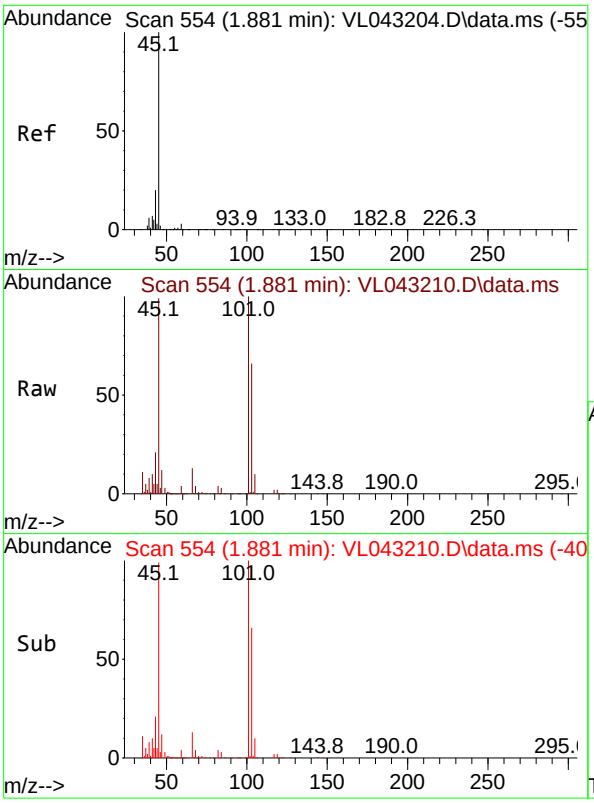


#18
1,1-Dichloroethene
Concen: 13.370 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 96 Resp: 65731

Ion	Ratio	Lower	Upper
96	100		
61	204.3	170.6	255.8
98	64.7	52.2	78.4



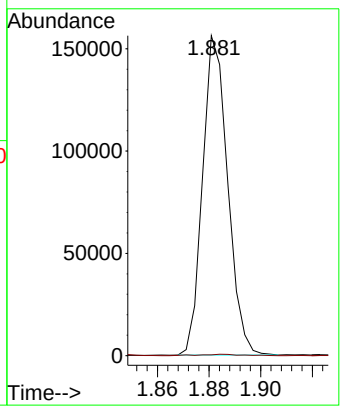


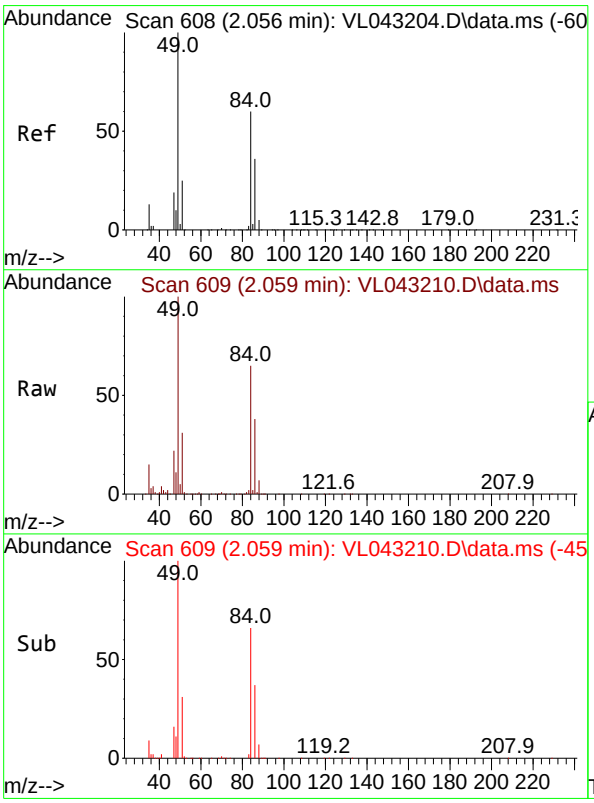
#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 105271

Ion	Ratio	Lower	Upper
45	100		
58	38.5	31.3	46.9

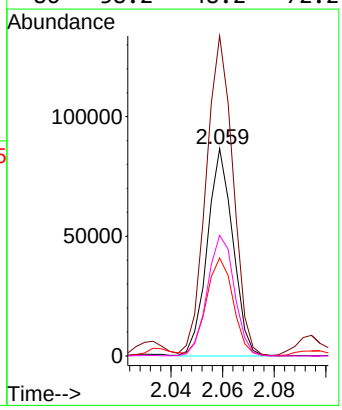


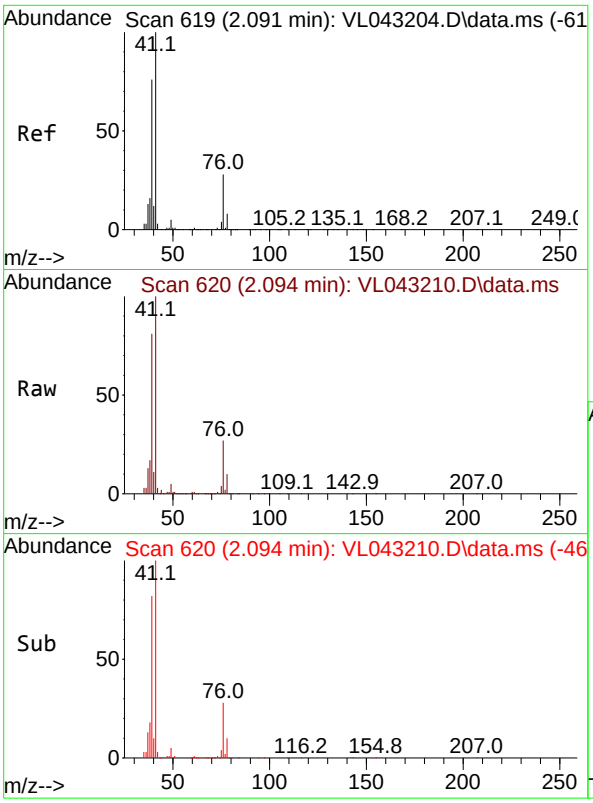


#20
Methylene Chloride
Concen: 15.164 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 84 Resp: 59798

Ion	Ratio	Lower	Upper
84	100		
49	153.8	132.9	199.3
51	47.0	34.8	52.2
86	58.2	48.2	72.2



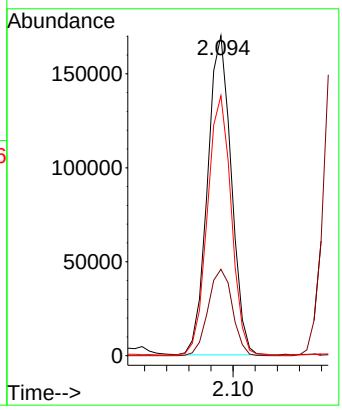


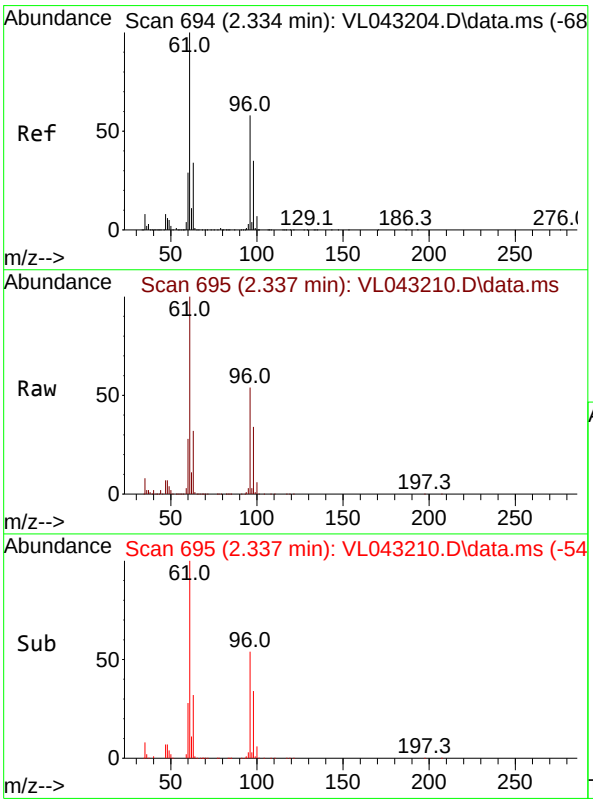
#21
Allyl Chloride
Concen: 13.724 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 126959

Ion	Ratio	Lower	Upper
41	100		
76	27.5	22.1	33.1
39	81.3	61.0	91.4

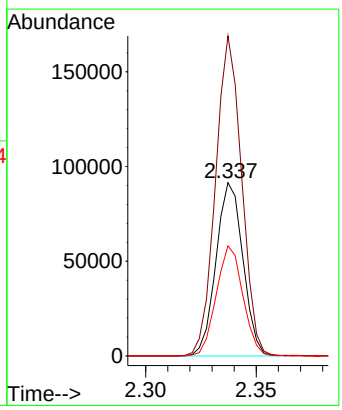


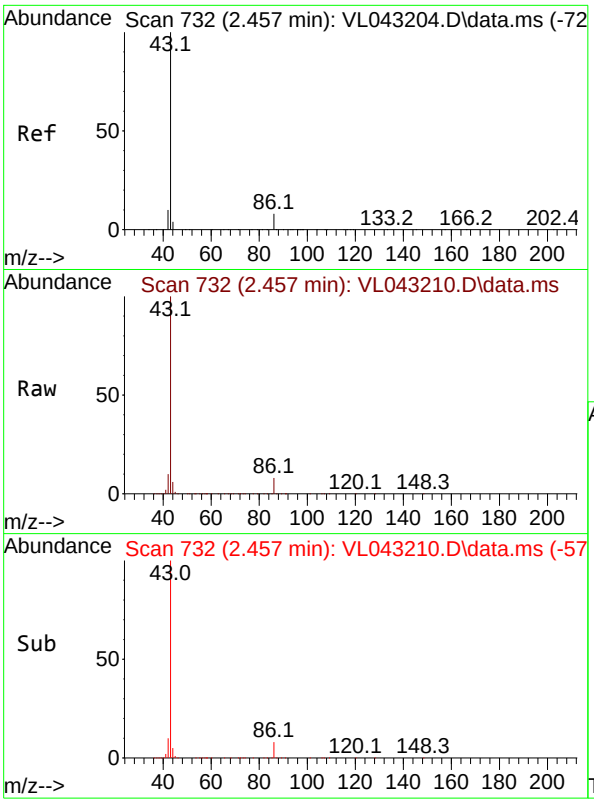


#22
trans-1,2-Dichloroethene
Concen: 13.772 ppbv
RT: 2.337 min Scan# 695
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 96 Resp: 77386

Ion	Ratio	Lower	Upper
96	100		
61	184.6	139.0	208.6
98	63.5	49.4	74.2



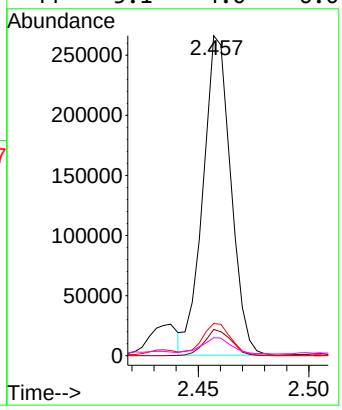


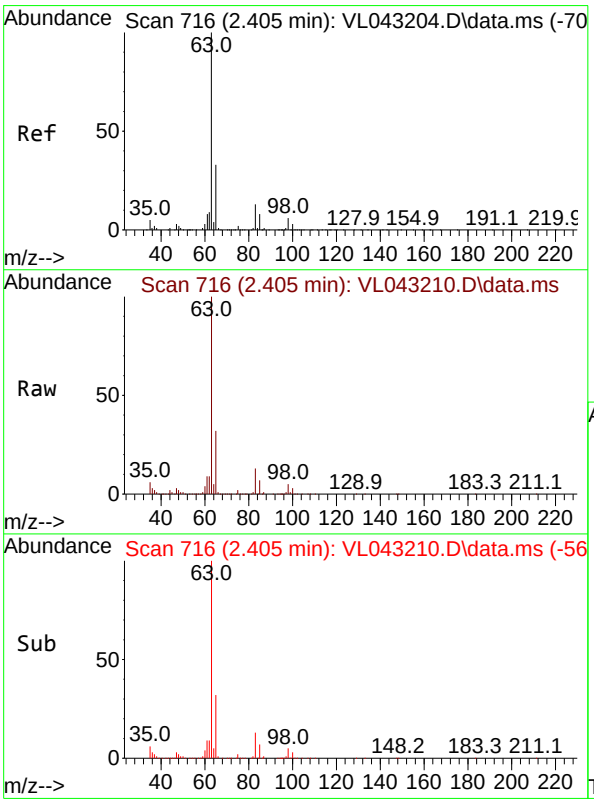
#23
Vinyl Acetate
Concen: 13.995 ppbv
RT: 2.457 min Scan# 7
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 232315

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.2	9.2
42	10.1	8.0	12.0
44	5.1	4.0	6.0

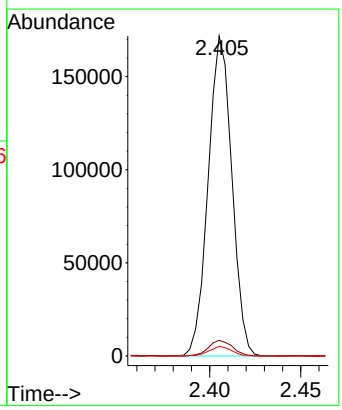


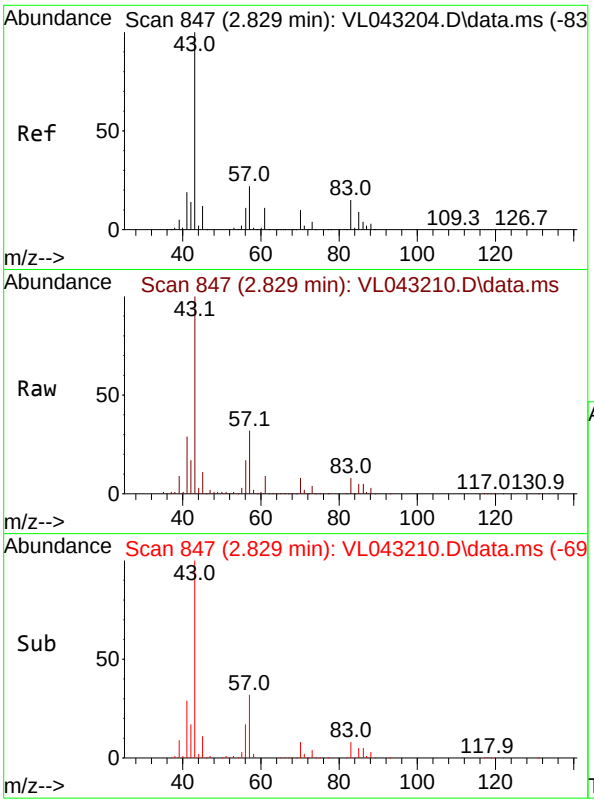


#24
1,1-Dichloroethane
Concen: 14.292 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 63 Resp: 155017

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.8	8.4
100	3.0	1.3	3.9



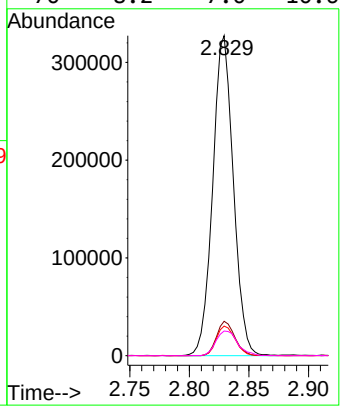


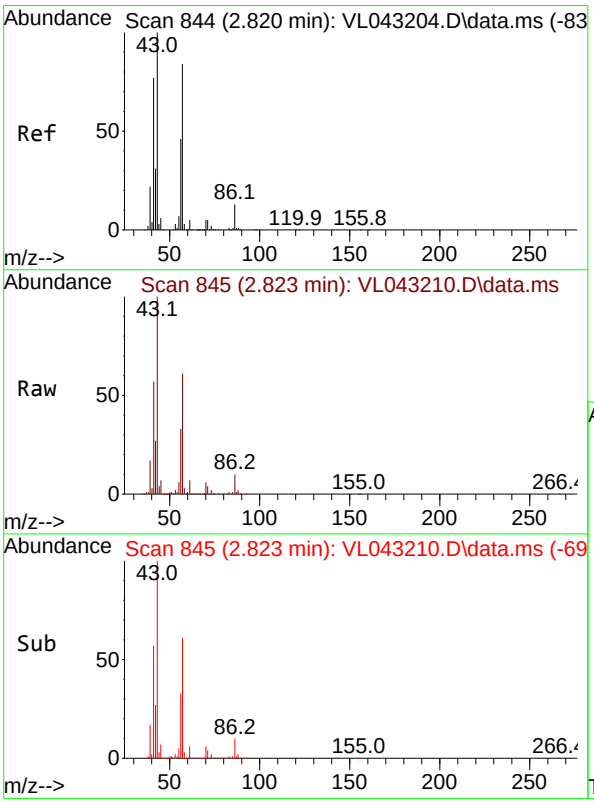
#25
Ethyl Acetate
Concen: 13.265 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 394074

Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.4	7.0	10.4
70	8.2	7.0	10.6

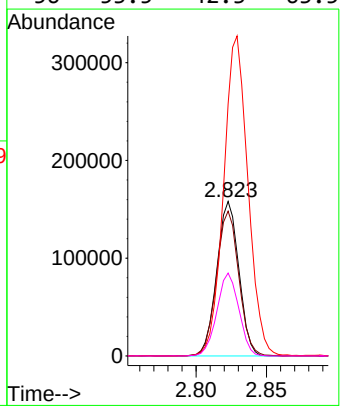


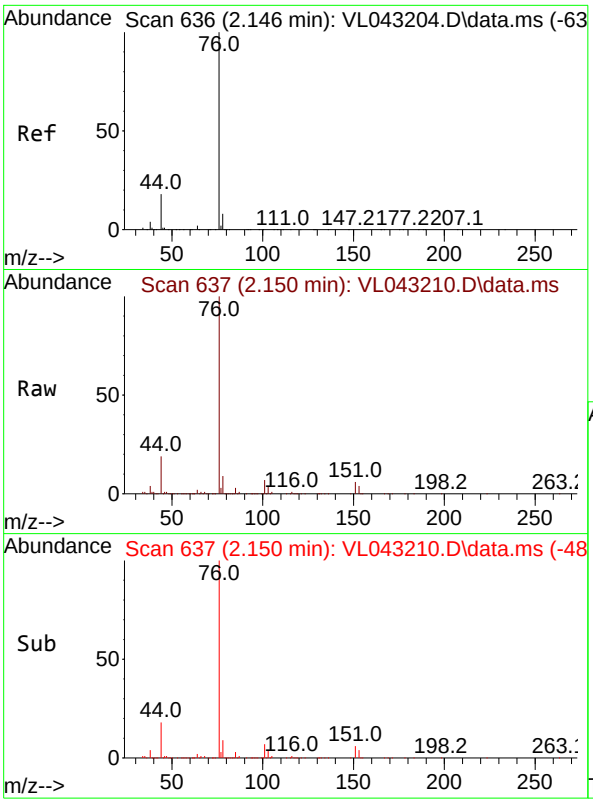


#26
Hexane
Concen: 13.252 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 57 Resp: 172303

Ion	Ratio	Lower	Upper
57	100		
41	95.4	74.6	111.8
43	229.0	179.0	268.4
56	53.5	42.3	63.5



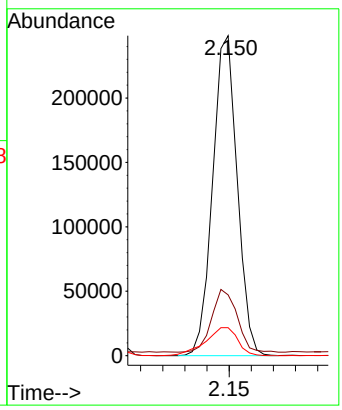


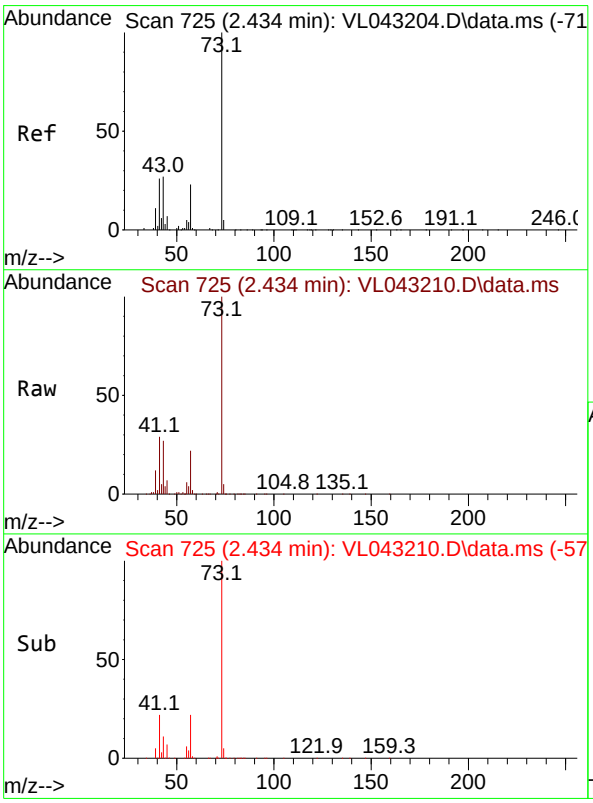
#27
Carbon Disulfide
Concen: 14.435 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 191612

Ion	Ratio	Lower	Upper
76	100		
44	22.2	16.1	24.1
78	11.5	9.6	14.4

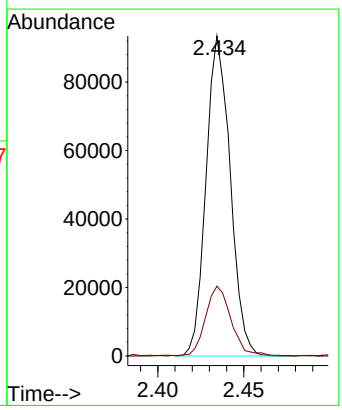


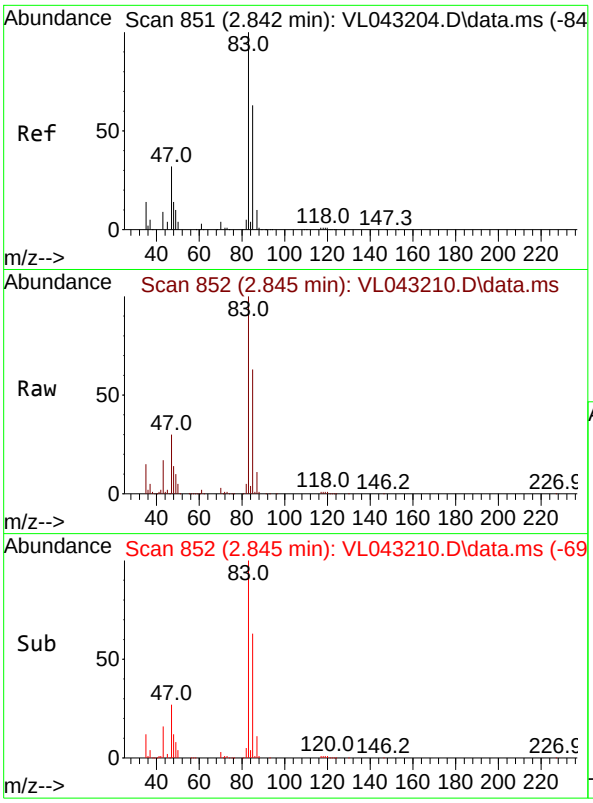


#28
Methyl tert-Butyl Ether
Concen: 14.279 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 73 Resp: 91132

Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.8	29.8



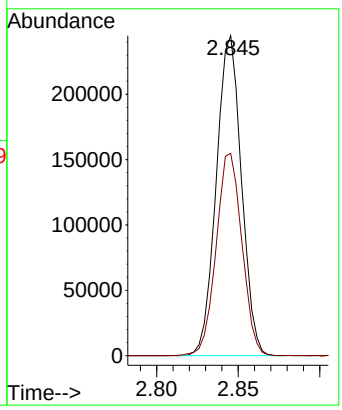


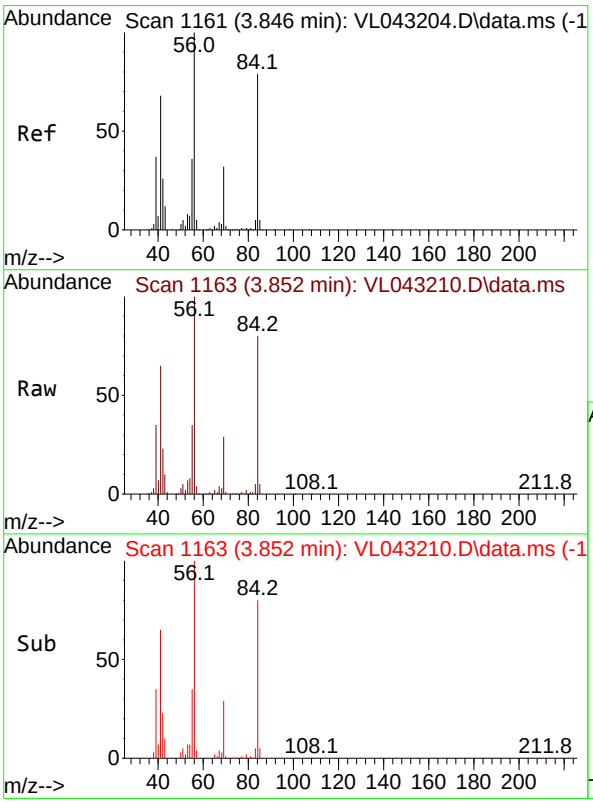
#29
Chloroform
Concen: 14.221 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 262803

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7

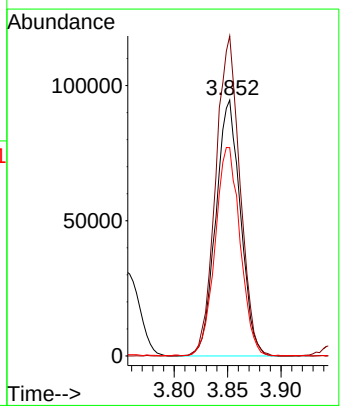


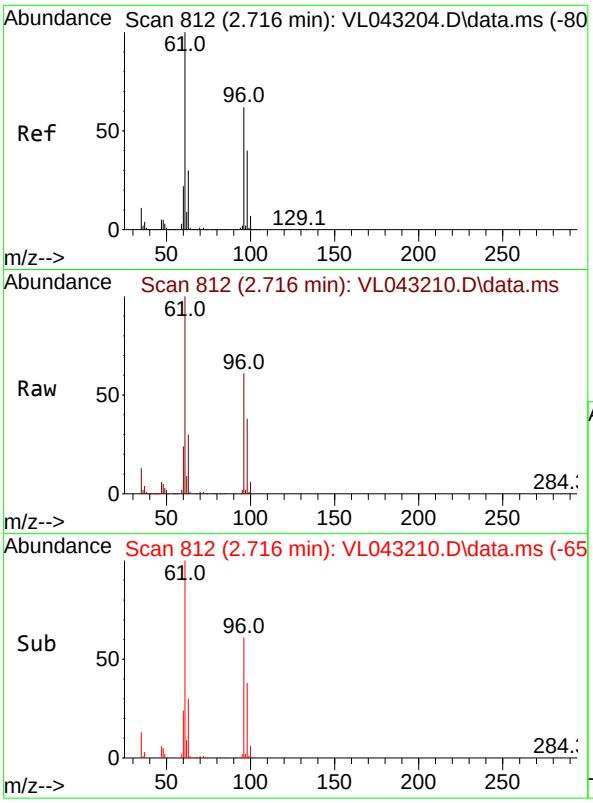


#30
Cyclohexane
Concen: 13.946 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 84 Resp: 152015

Ion	Ratio	Lower	Upper
84	100		
56	123.0	104.7	157.1
41	82.7	69.0	103.6



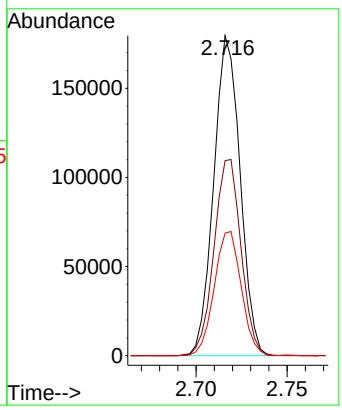


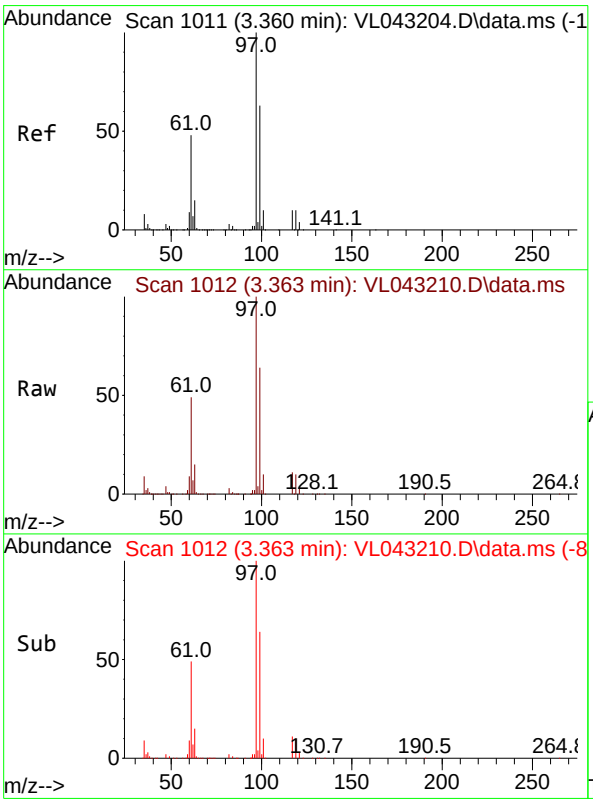
#31
cis-1,2-Dichloroethene
Concen: 13.978 ppbv
RT: 2.716 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 180647

Ion	Ratio	Lower	Upper
61	100		
96	60.9	49.3	73.9
98	38.3	32.1	48.1

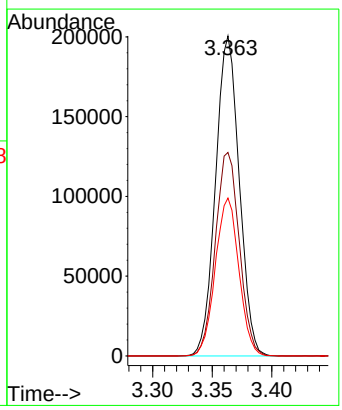


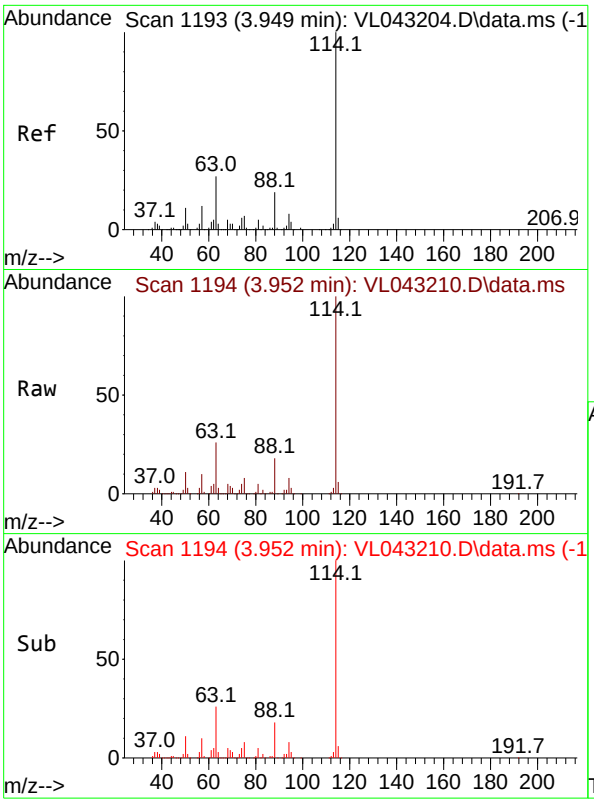


#32
1,1,1-Trichloroethane
Concen: 13.930 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 97 Resp: 276915

Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.3	75.5
61	49.3	38.9	58.3



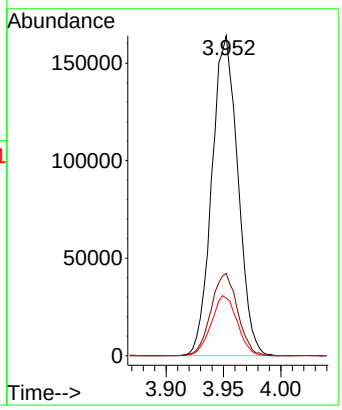


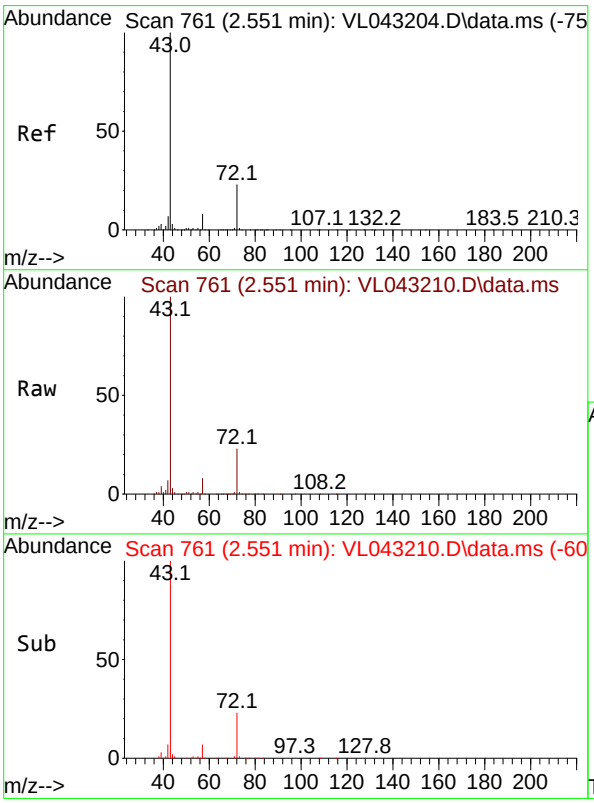
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 258461

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.0	31.6
88	18.8	14.9	22.3

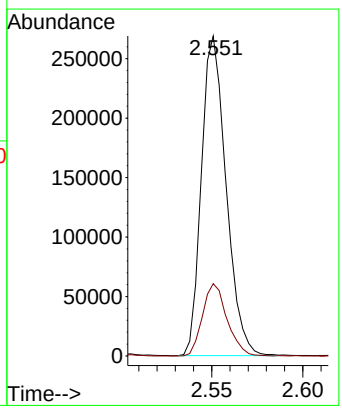


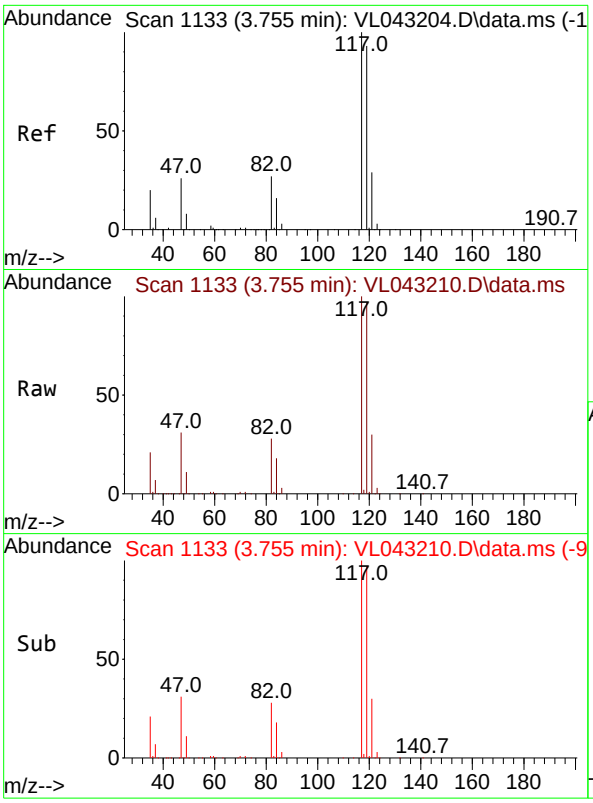


#34
2-Butanone
Concen: 13.914 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 253855

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1



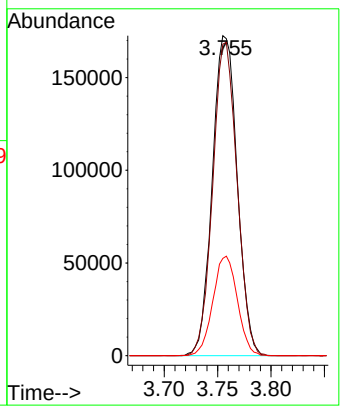


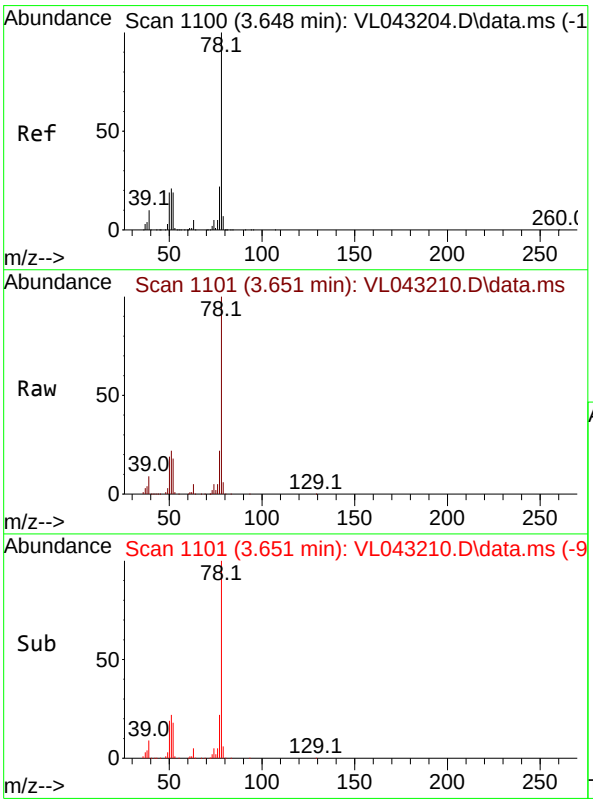
#35
Carbon Tetrachloride
Concen: 14.250 ppbv
RT: 3.755 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 279560

Ion	Ratio	Lower	Upper
117	100		
119	97.4	74.6	112.0
121	30.4	23.2	34.8

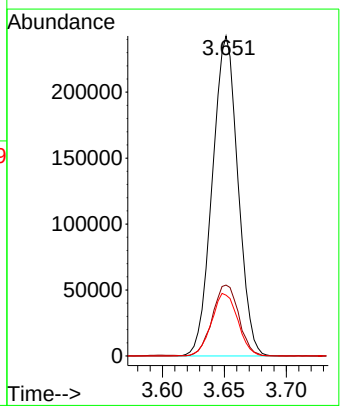


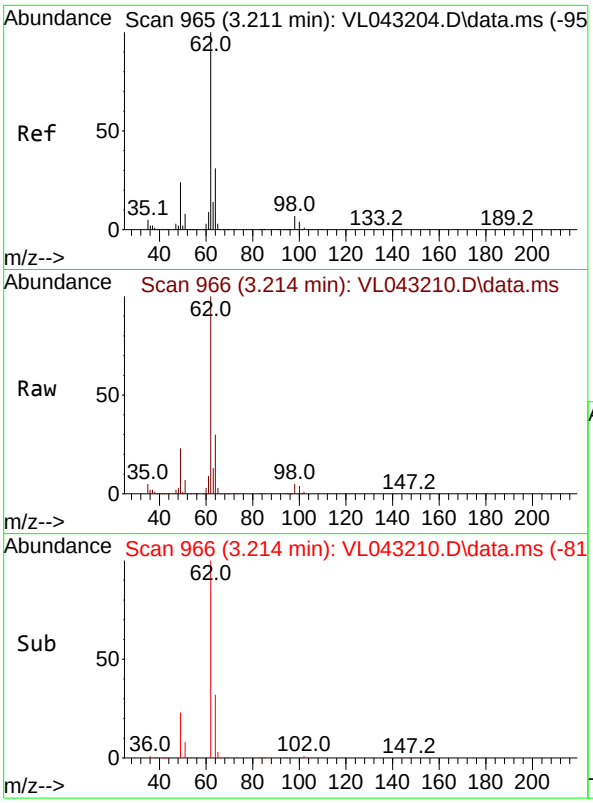


#36
Benzene
Concen: 14.096 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 78 Resp: 348892

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.5	26.3
50	19.0	15.5	23.3



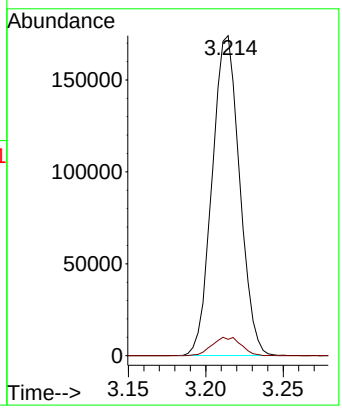


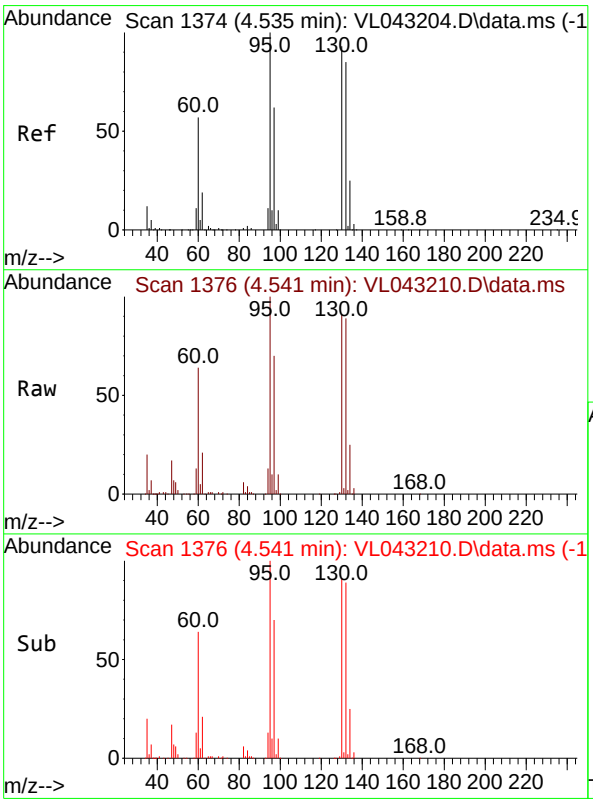
#37
1,2-Dichloroethane
Concen: 14.798 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 214248

Ion	Ratio	Lower	Upper
62	100		
98	6.1	5.5	8.3

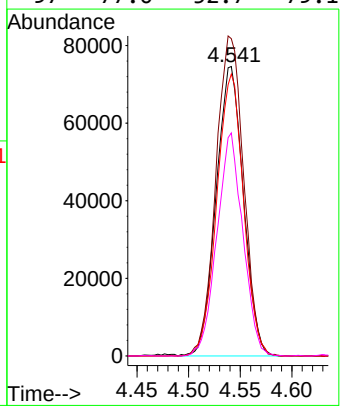


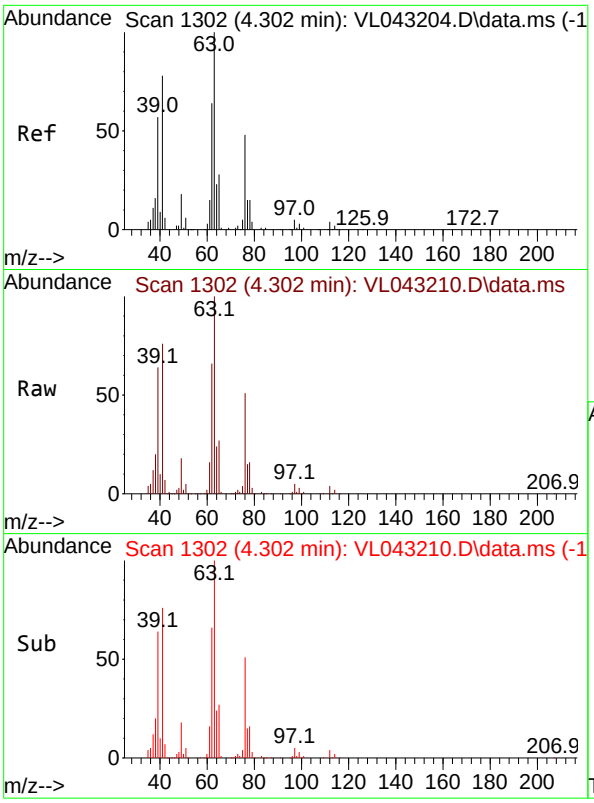


#38
Trichloroethene
Concen: 14.123 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:130 Resp: 137027

Ion	Ratio	Lower	Upper
130	100		
95	109.6	85.7	128.5
132	97.4	73.4	110.0
97	77.0	52.7	79.1



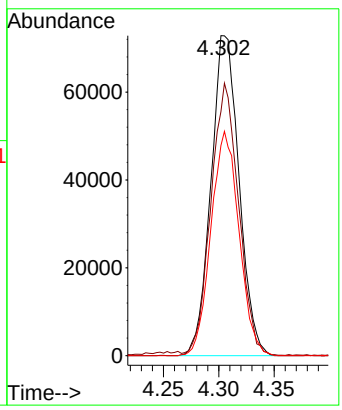


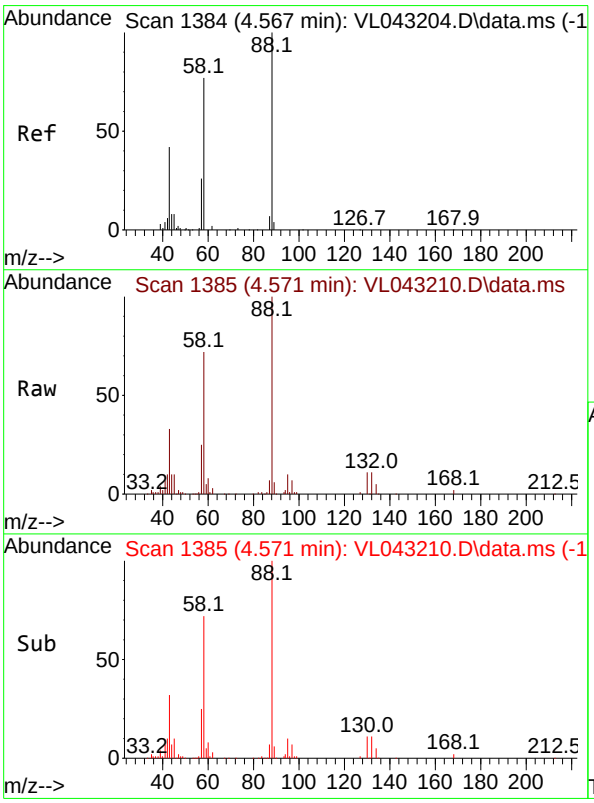
#39
1,2-Dichloropropane
Concen: 14.206 ppbv
RT: 4.302 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 128700

Ion	Ratio	Lower	Upper
63	100		
41	75.9	62.6	93.8
62	65.6	51.0	76.6

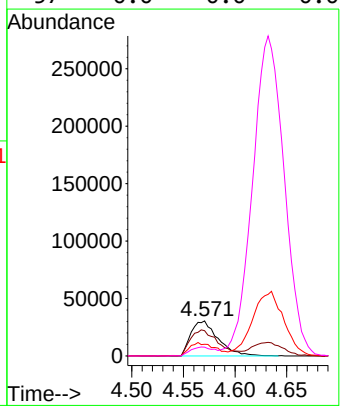


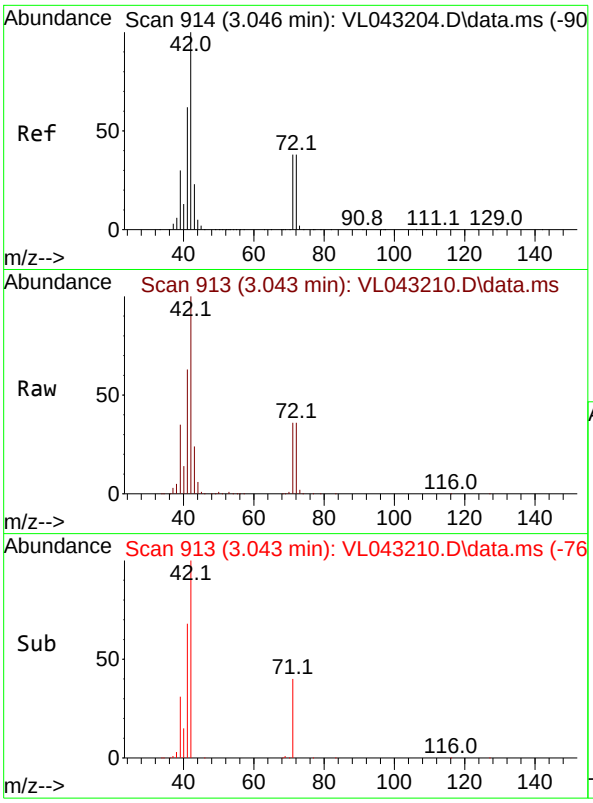


#40
1,4-Dioxane
Concen: 13.728 ppbv
RT: 4.571 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 88 Resp: 55905

Ion	Ratio	Lower	Upper
88	100		
58	76.7	63.0	94.6
43	34.0	32.5	48.7
57	0.0	0.0	0.0



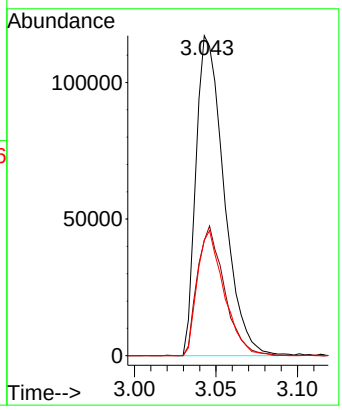


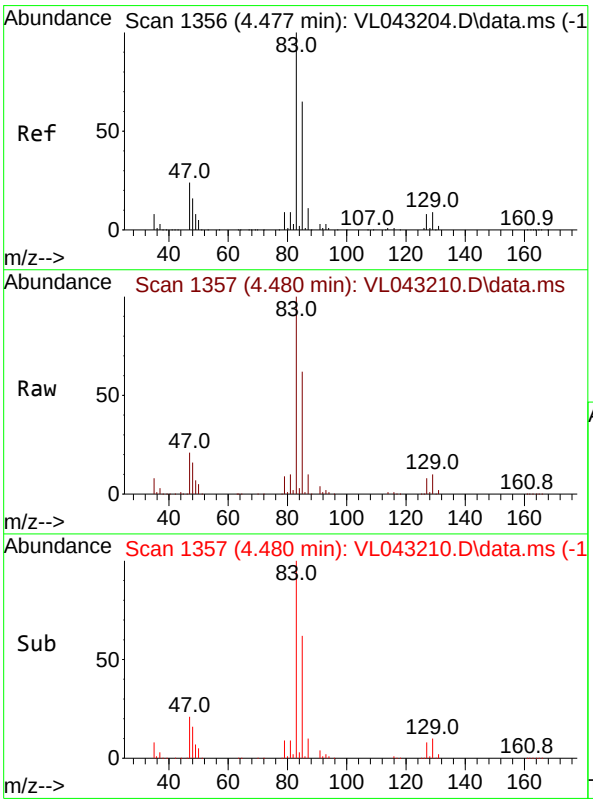
#41
Tetrahydrofuran
Concen: 13.868 ppbv
RT: 3.043 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 139722

Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.6	46.0
71	37.3	30.5	45.7

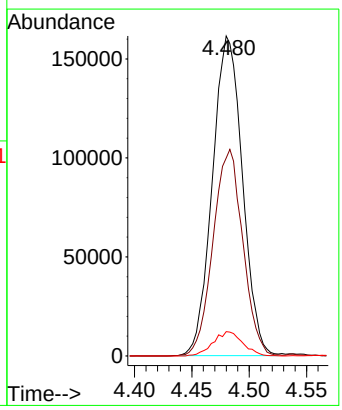


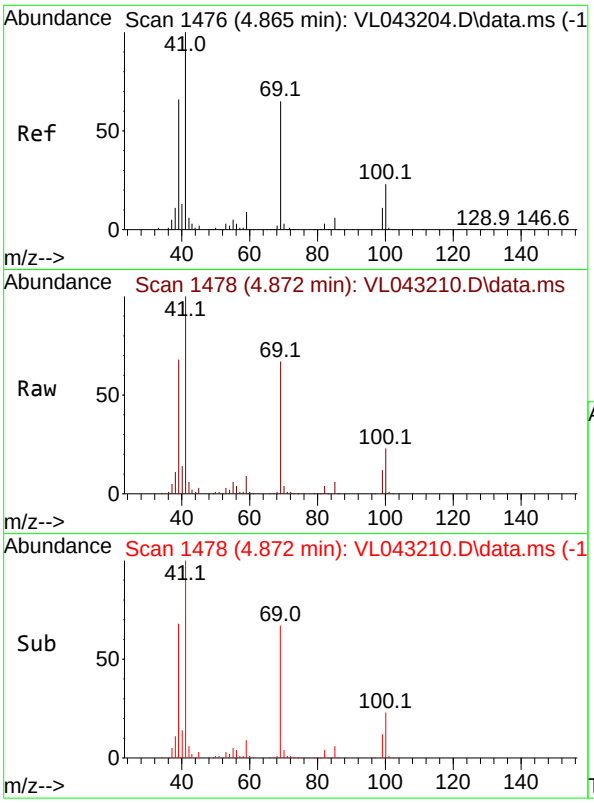


#42
Bromodichloromethane
Concen: 14.721 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 83 Resp: 294008

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.7	77.5
127	7.6	6.3	9.5



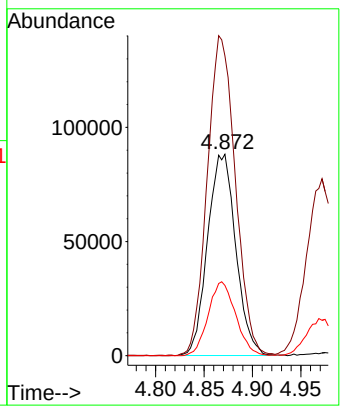


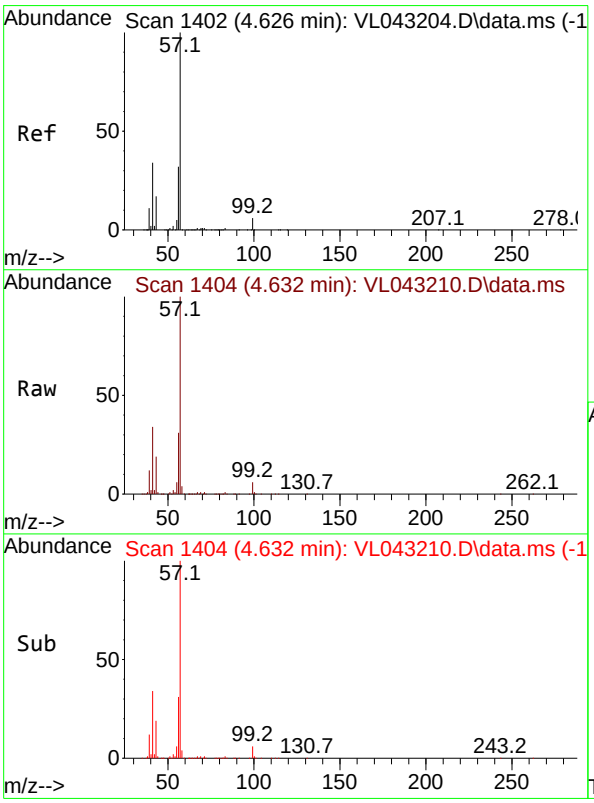
#43
Methyl Methacrylate
Concen: 13.633 ppbv
RT: 4.872 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 179110

Ion	Ratio	Lower	Upper
69	100		
41	157.9	126.7	190.1
100	35.7	28.6	43.0

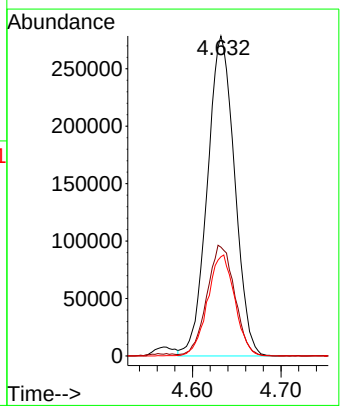


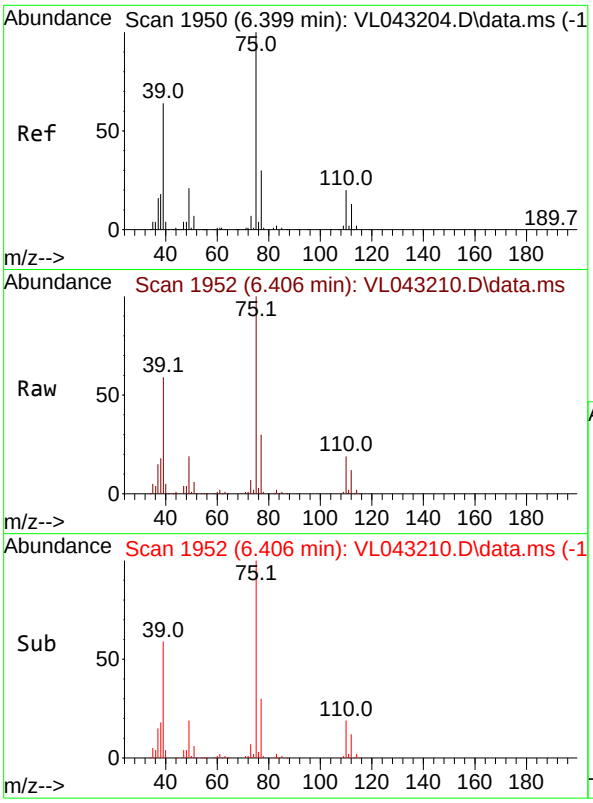


#44
2,2,4-Trimethylpentane
Concen: 14.014 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 57 Resp: 595778

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.0	42.0
56	31.6	25.6	38.4



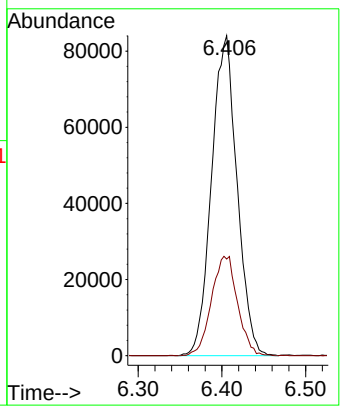


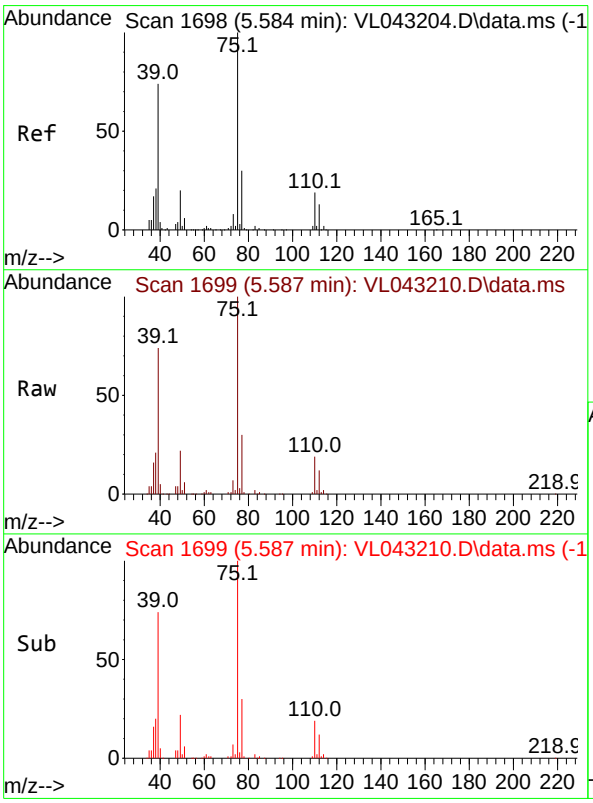
#45
t-1,3-Dichloropropene
Concen: 14.508 ppbv
RT: 6.406 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 177678

Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.3	36.5

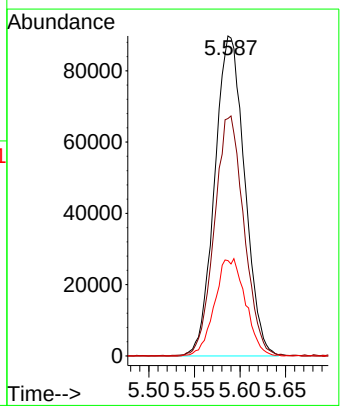


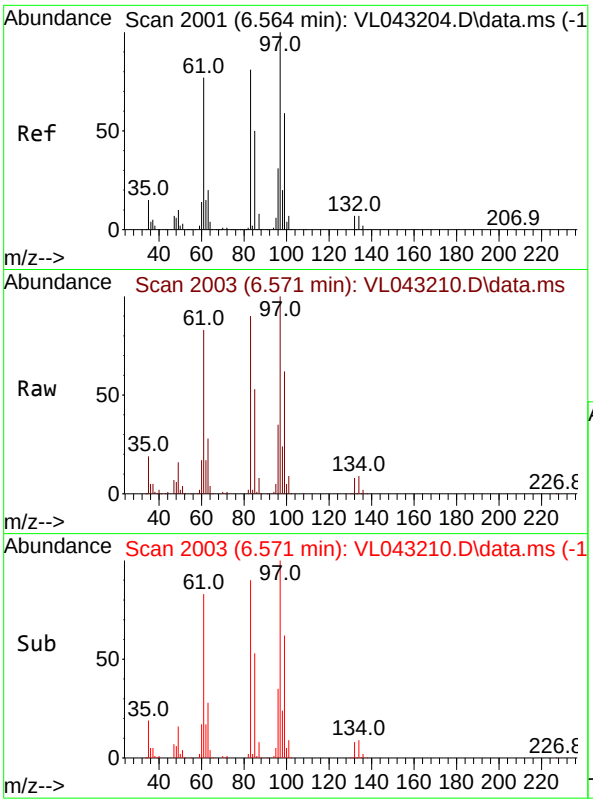


#46
cis-1,3-Dichloropropene
Concen: 14.270 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 75 Resp: 205226

Ion	Ratio	Lower	Upper
75	100		
39	73.9	59.1	88.7
77	29.8	24.2	36.2



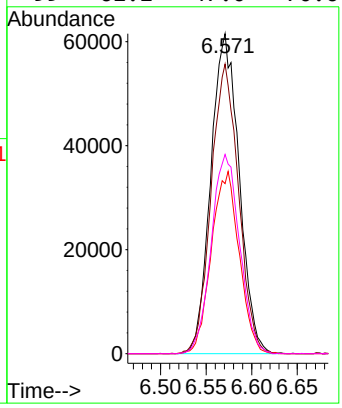


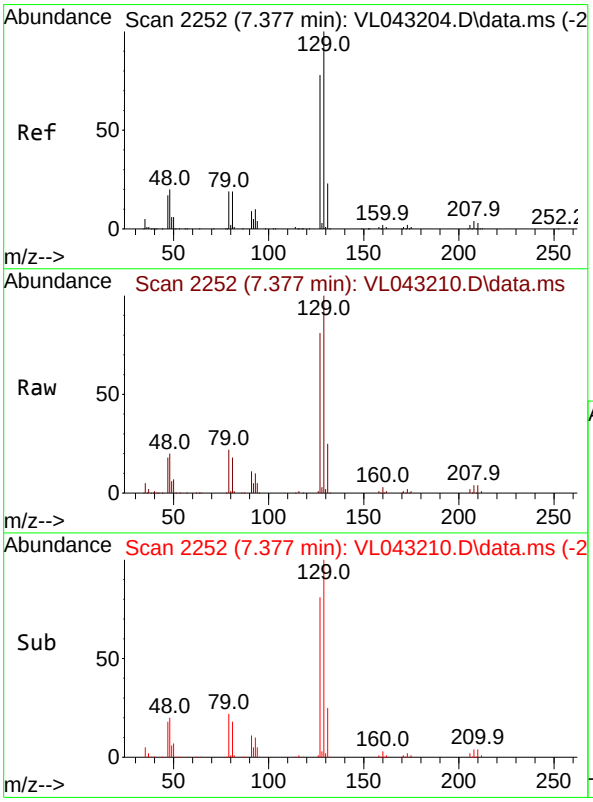
#47
1,1,2-Trichloroethane
Concen: 13.738 ppbv
RT: 6.571 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 132701

Ion	Ratio	Lower	Upper
97	100		
83	90.4	64.6	97.0
85	53.2	39.4	59.2
99	62.2	47.0	70.6

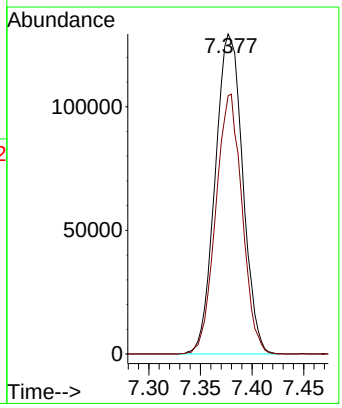


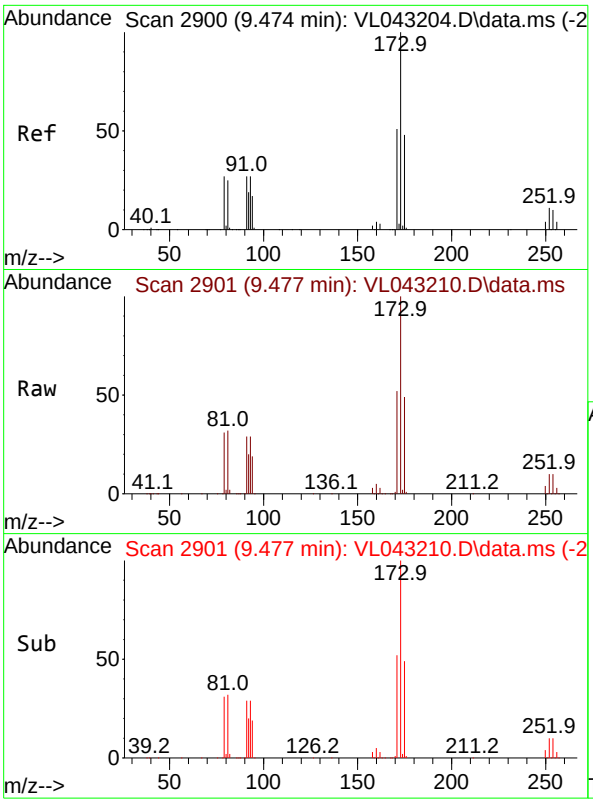


#48
Dibromochloromethane
Concen: 14.564 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:129 Resp: 240736

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.9



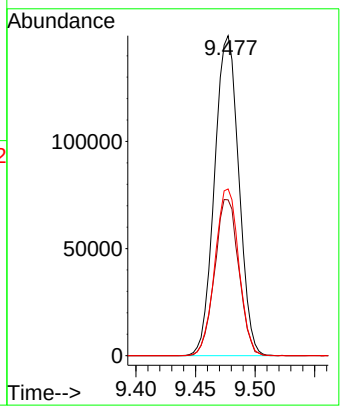


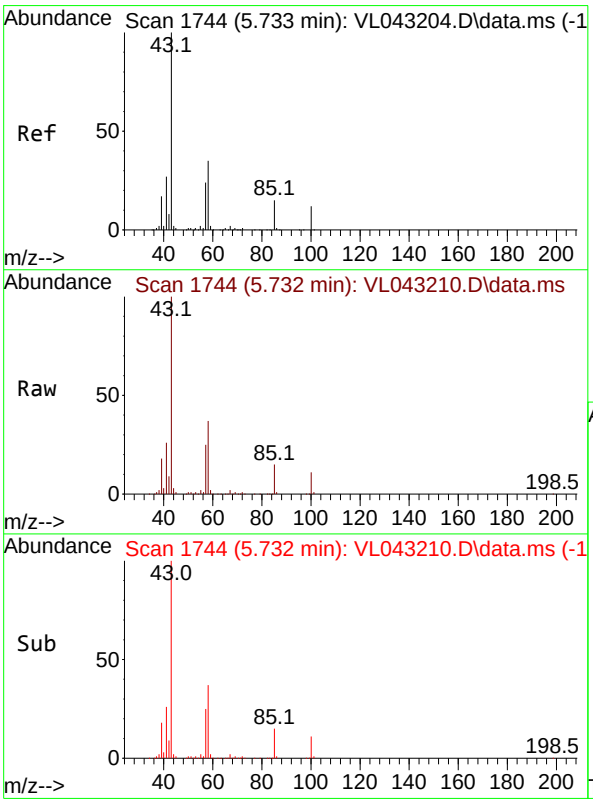
#49
Bromoform
Concen: 14.434 ppbv
RT: 9.477 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 211325

Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.6	58.0
171	51.5	40.6	61.0

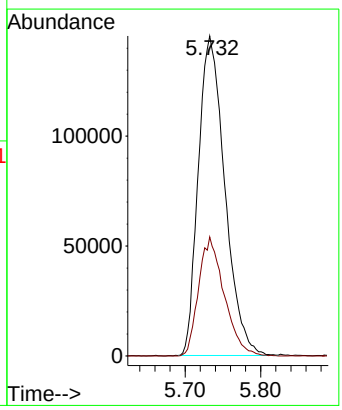


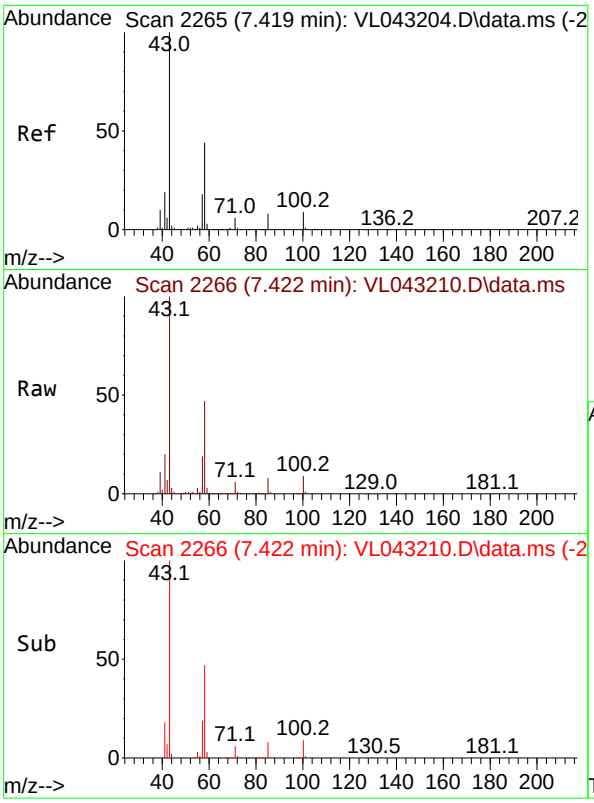


#50
4-Methyl-2-Pentanone
Concen: 13.790 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 43 Resp: 354421

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.4	42.6



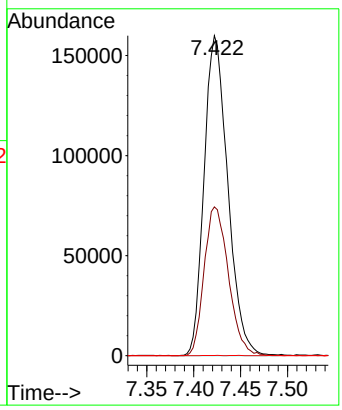


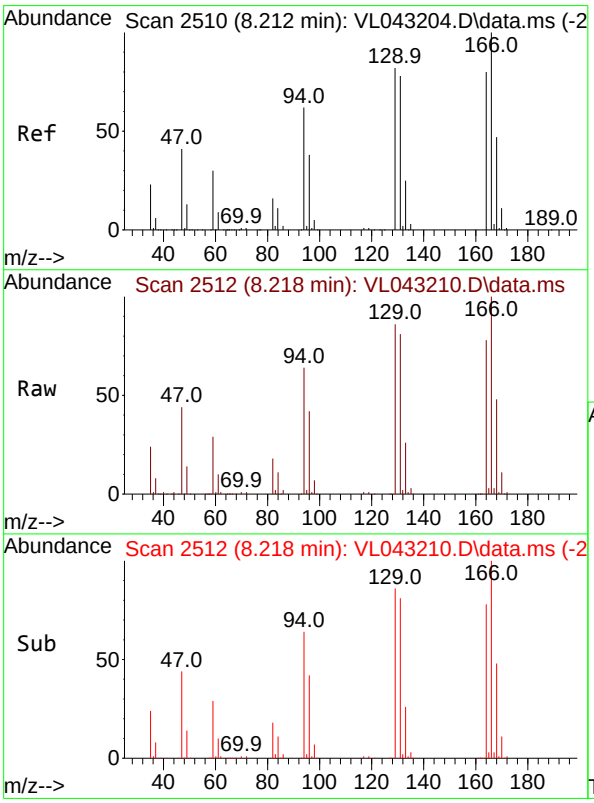
#51
2-Hexanone
Concen: 14.067 ppbv
RT: 7.422 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 280742

Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.4	57.6
98	0.1	0.0	0.0#

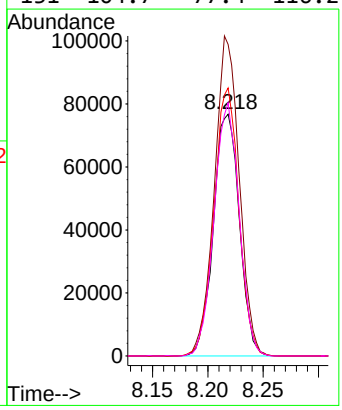


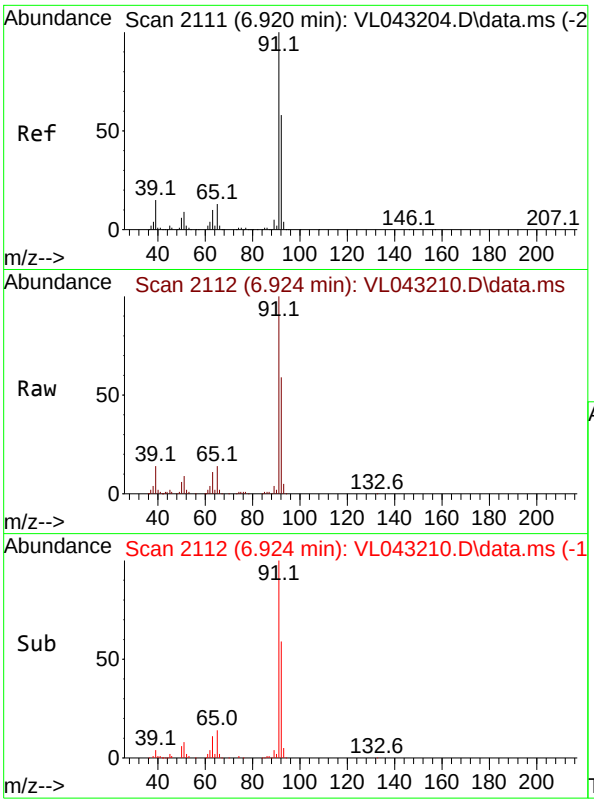


#52
Tetrachloroethene
Concen: 13.591 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:164 Resp: 125132

Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.4	149.2
129	110.8	81.8	122.8
131	104.7	77.4	116.2



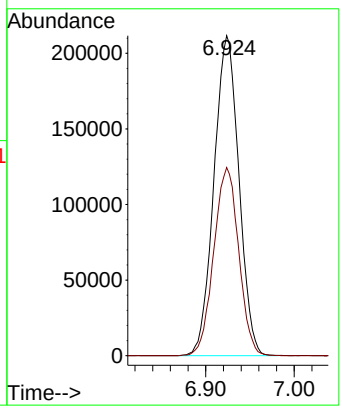


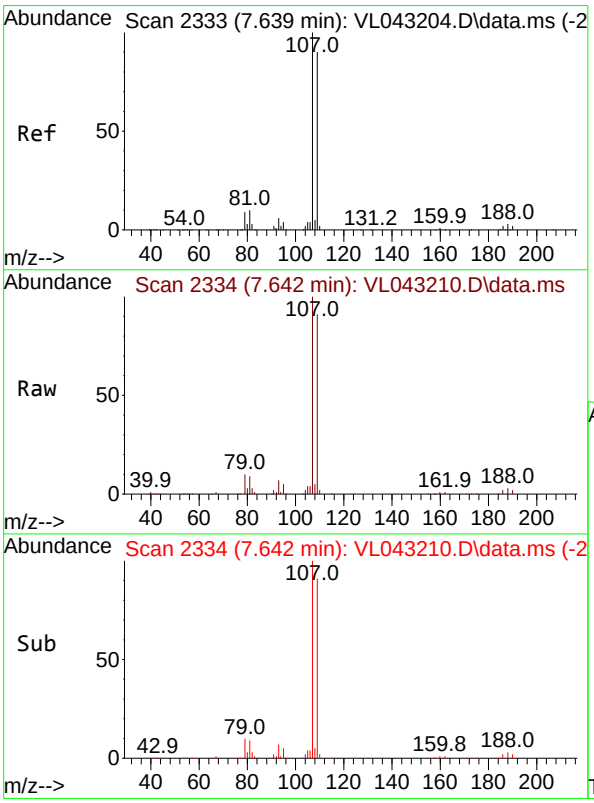
#53
Toluene
Concen: 14.050 ppbv
RT: 6.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 414411

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.4	71.0

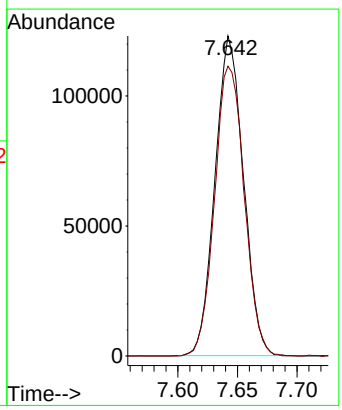


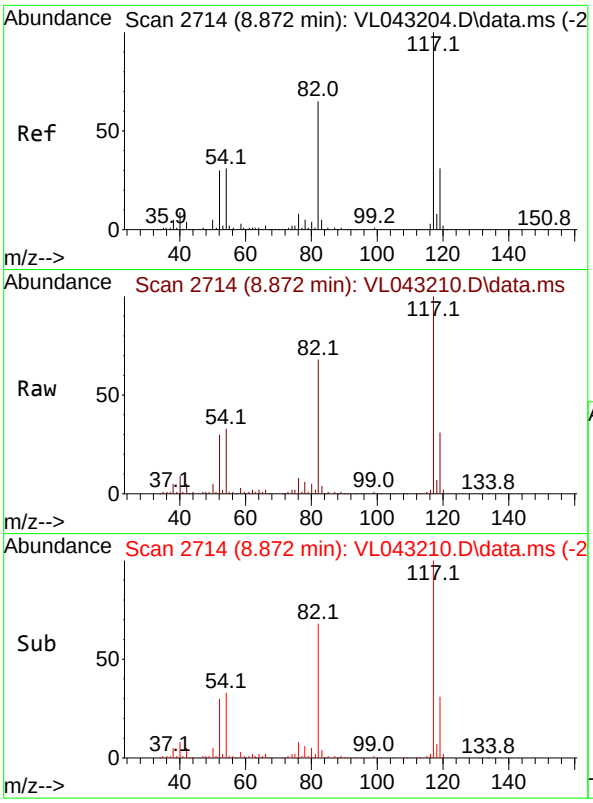


#54
1,2-Dibromoethane
Concen: 14.413 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:107 Resp: 203913

Ion	Ratio	Lower	Upper
107	100		
109	90.6	72.1	108.1



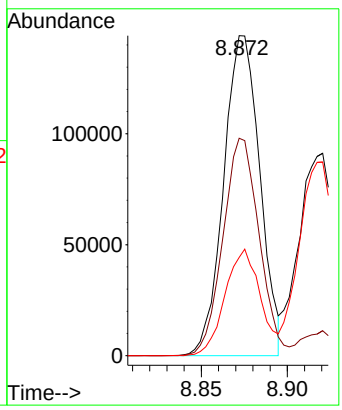


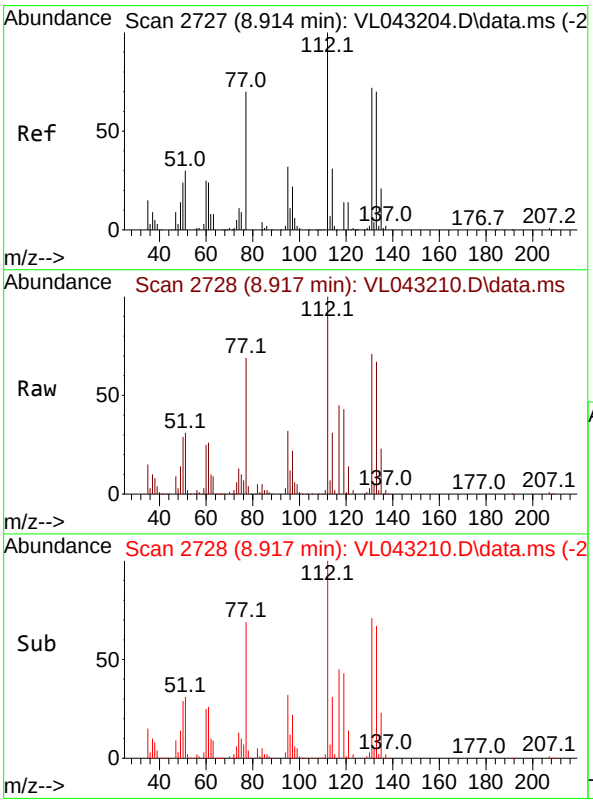
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 211247

Ion	Ratio	Lower	Upper
117	100		
82	68.4	56.1	84.1
119	32.6	25.0	37.6

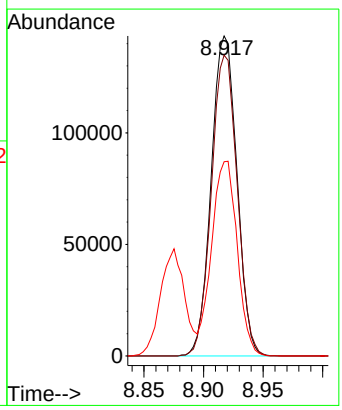


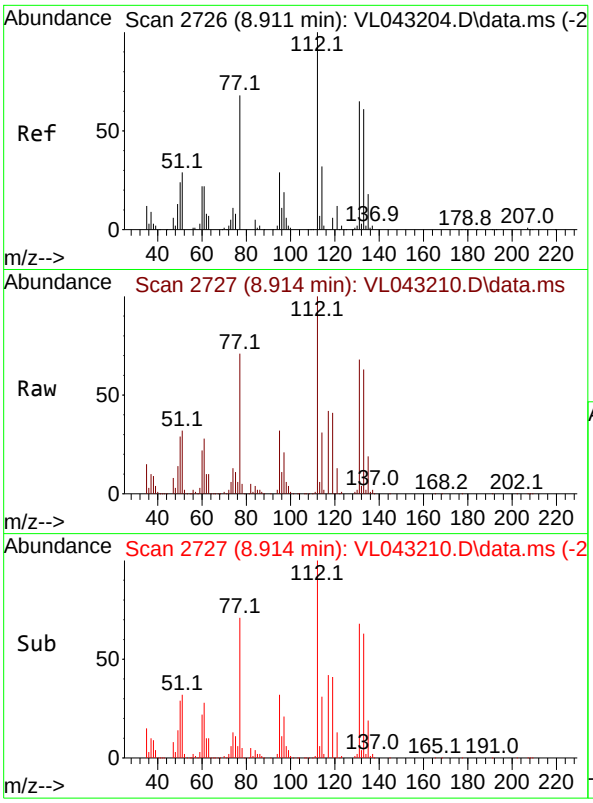


#56
1,1,1,2-Tetrachloroethane
Concen: 13.827 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:131 Resp: 214673

Ion	Ratio	Lower	Upper
131	100		
133	94.9	77.4	116.2
119	61.5	49.1	73.7



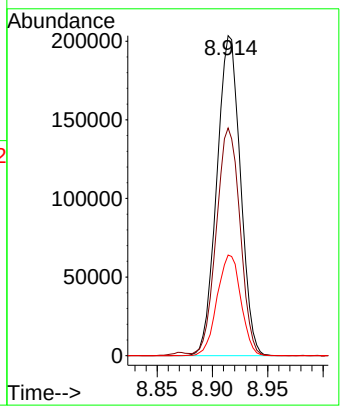


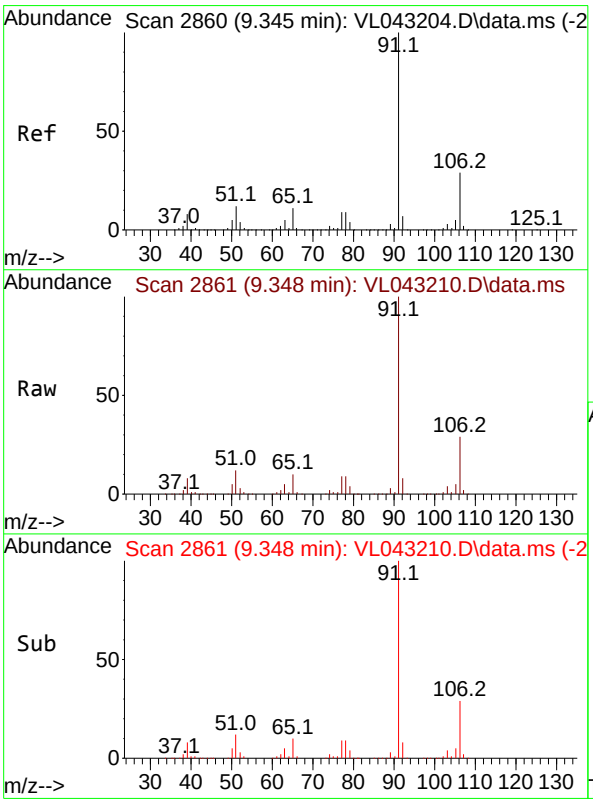
#57
Chlorobenzene
Concen: 13.923 ppbv
RT: 8.914 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 301986

Ion	Ratio	Lower	Upper
112	100		
77	71.1	55.5	83.3
114	31.5	29.1	35.5

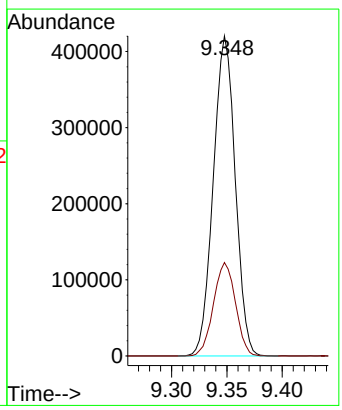


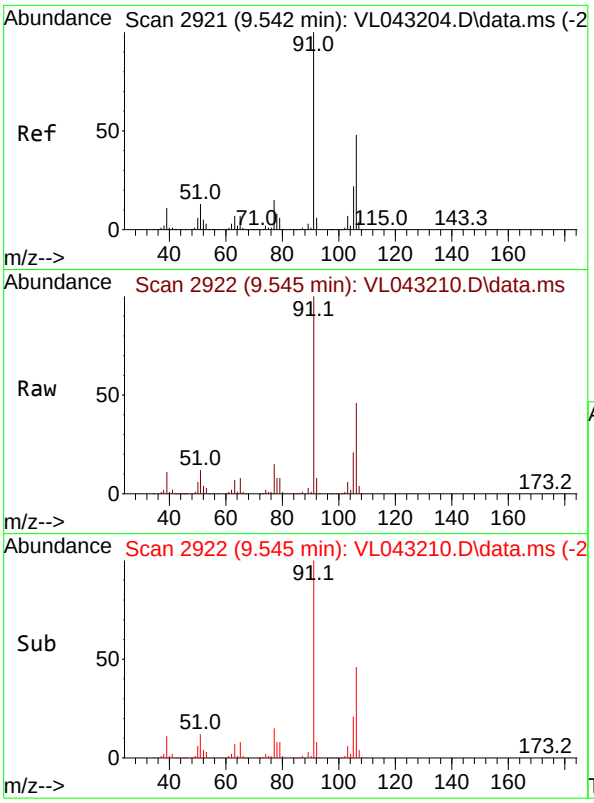


#58
Ethyl Benzene
Concen: 14.262 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 579890

Ion	Ratio	Lower	Upper
91	100		
106	29.2	22.8	34.2



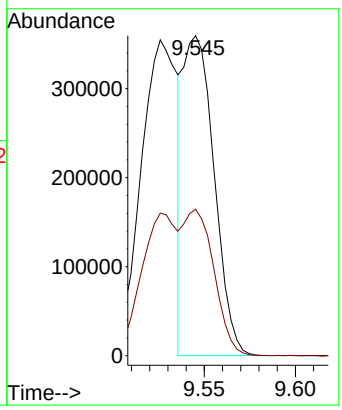


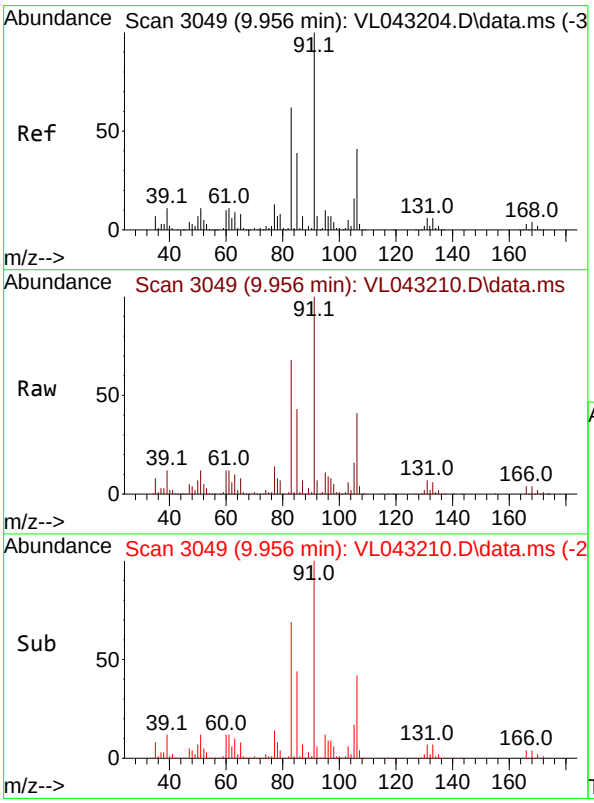
#59
m/p-Xylene
Concen: 12.959 ppbv
RT: 9.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 423995

Ion	Ratio	Lower	Upper
91	100		
106	97.4	36.1	54.1#

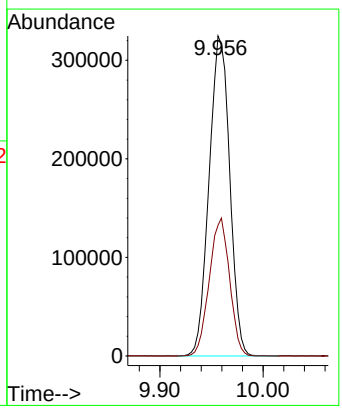


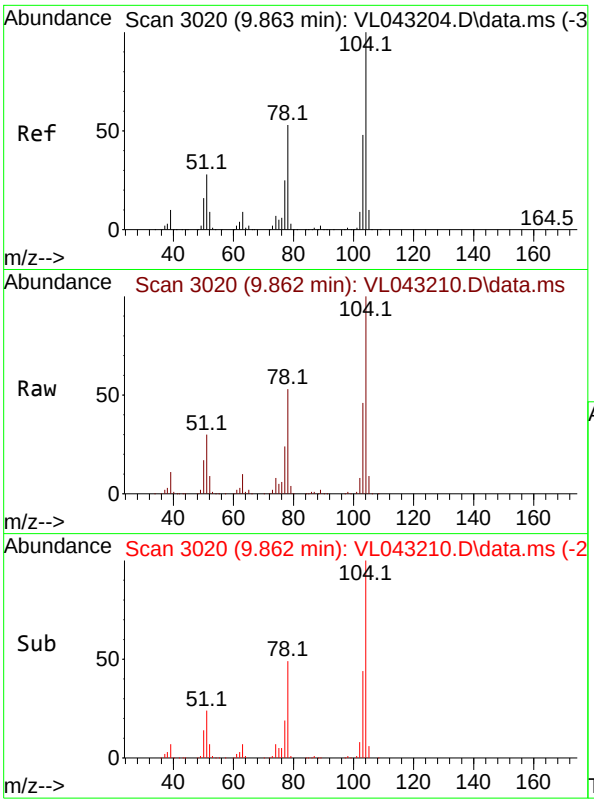


#60
o-Xylene
Concen: 13.826 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 450260

Ion	Ratio	Lower	Upper
91	100		
106	42.4	20.9	62.8



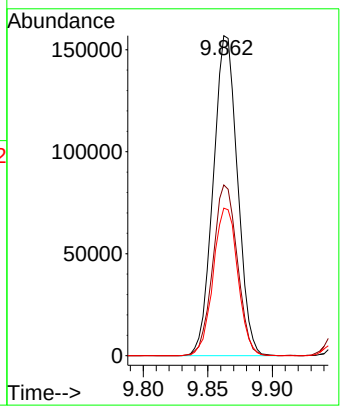


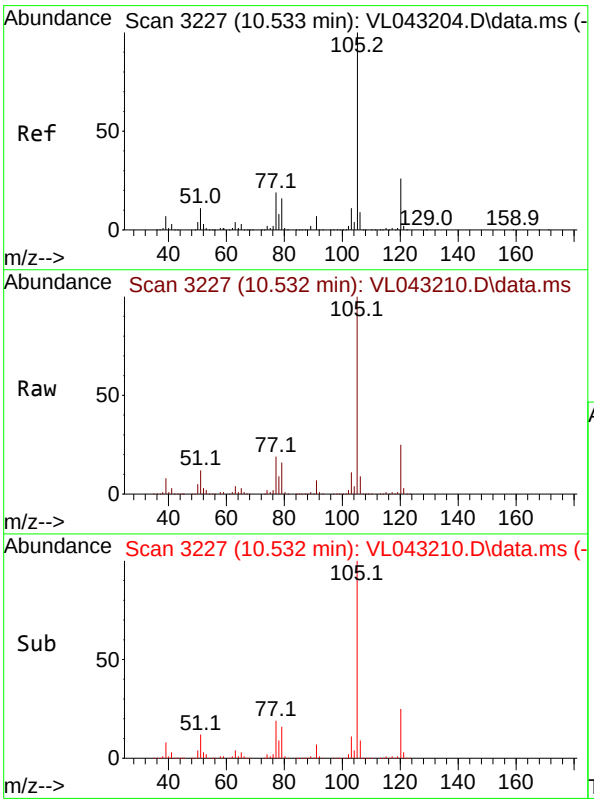
#61
Styrene
Concen: 14.382 ppbv
RT: 9.862 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 204972

Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.1	63.1
103	46.9	37.2	55.8

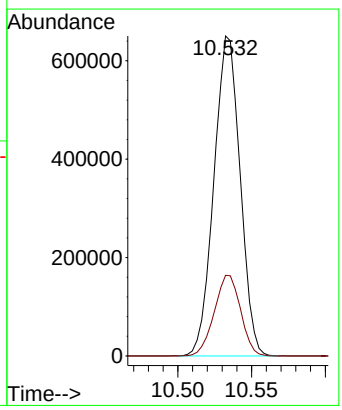


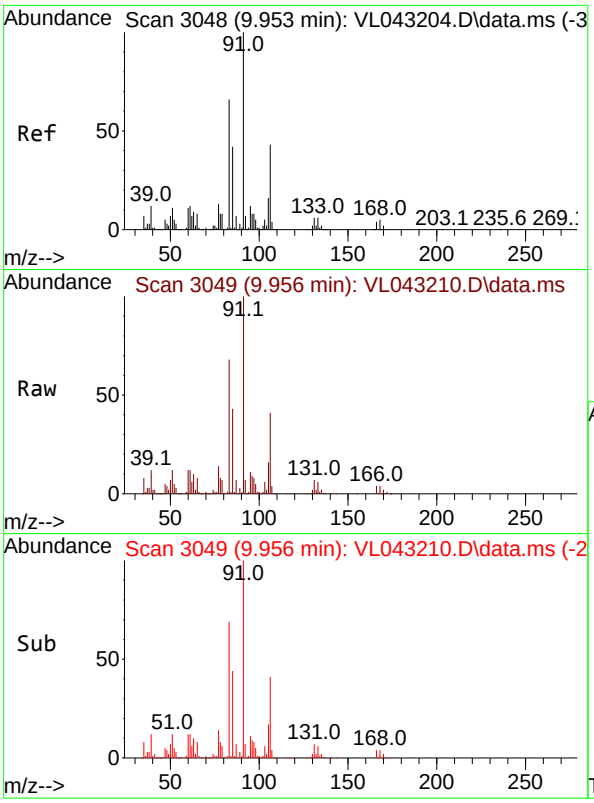


#62
Isopropylbenzene
Concen: 13.791 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 803487

Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.8	29.8



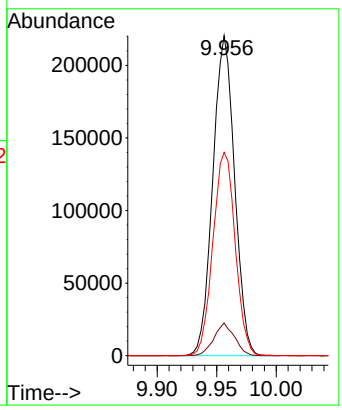


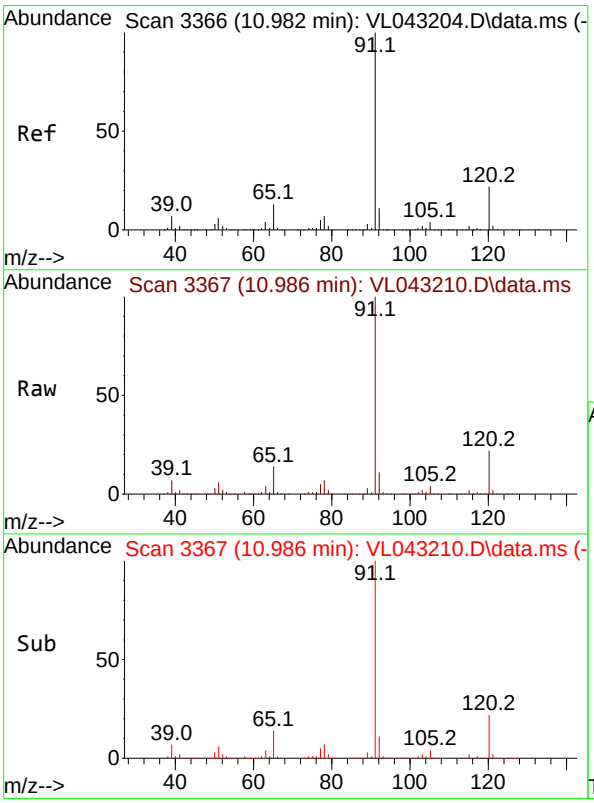
#63
1,1,2,2-Tetrachloroethane
Concen: 13.557 ppbv
RT: 9.956 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 280254

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	64.9	31.9	95.9

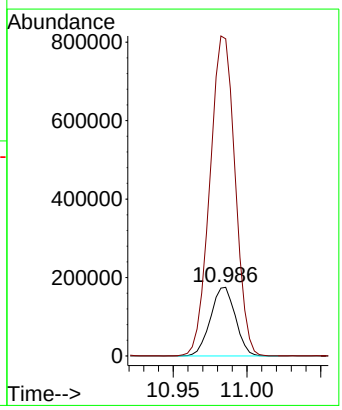


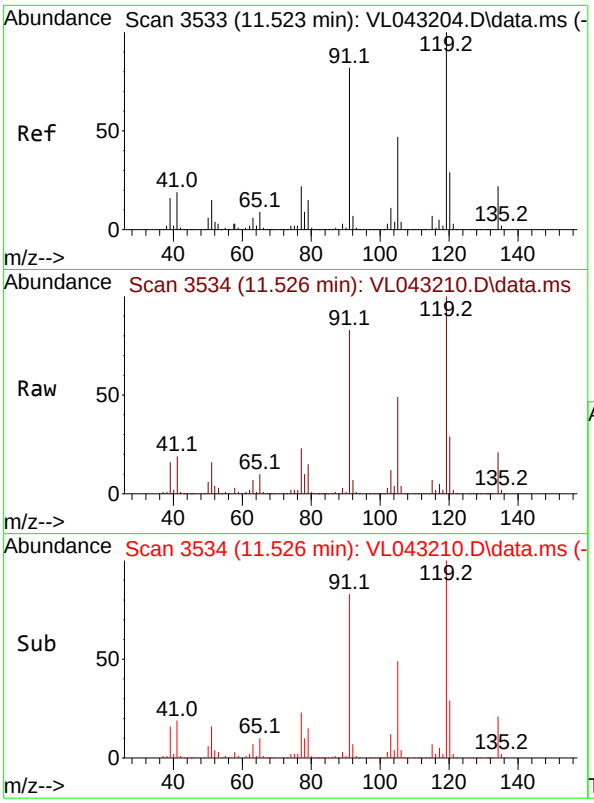


#64
n-propylbenzene
Concen: 13.737 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:120 Resp: 205637

Ion	Ratio	Lower	Upper
120	100		
91	471.6	377.1	565.7



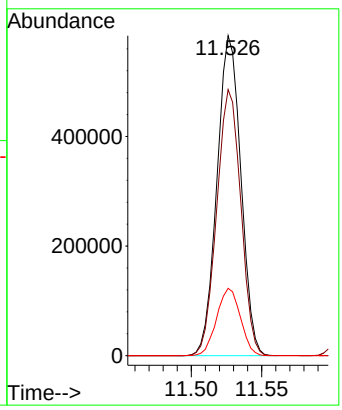


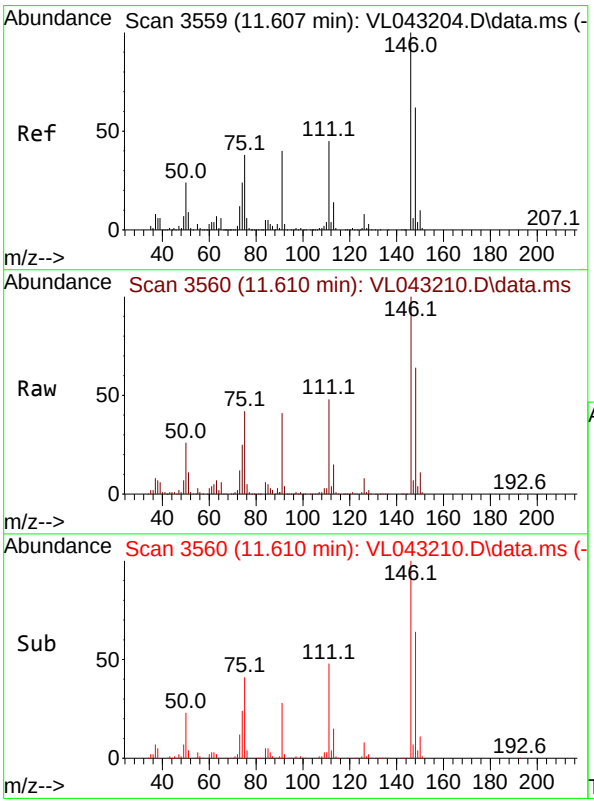
#65
tert-Butylbenzene
Concen: 13.249 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 689352

Ion	Ratio	Lower	Upper
119	100		
91	83.7	65.3	97.9
134	20.9	17.0	25.4

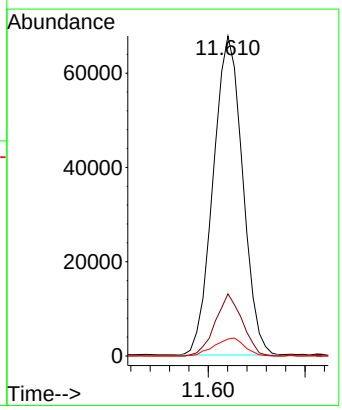


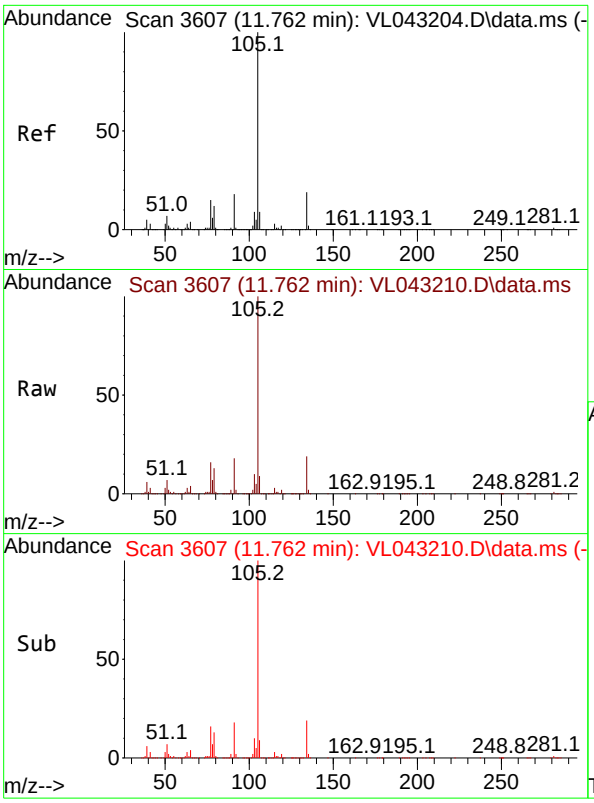


#66
Benzyl Chloride
Concen: 13.520 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 71386

Ion	Ratio	Lower	Upper
91	100		
126	17.9	14.4	21.6
128	5.9	4.6	6.8



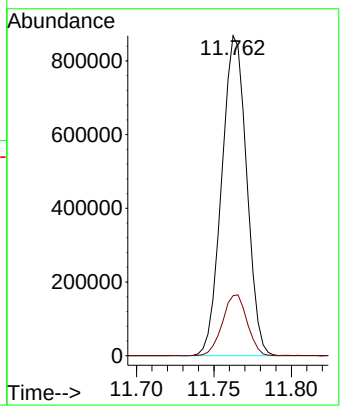


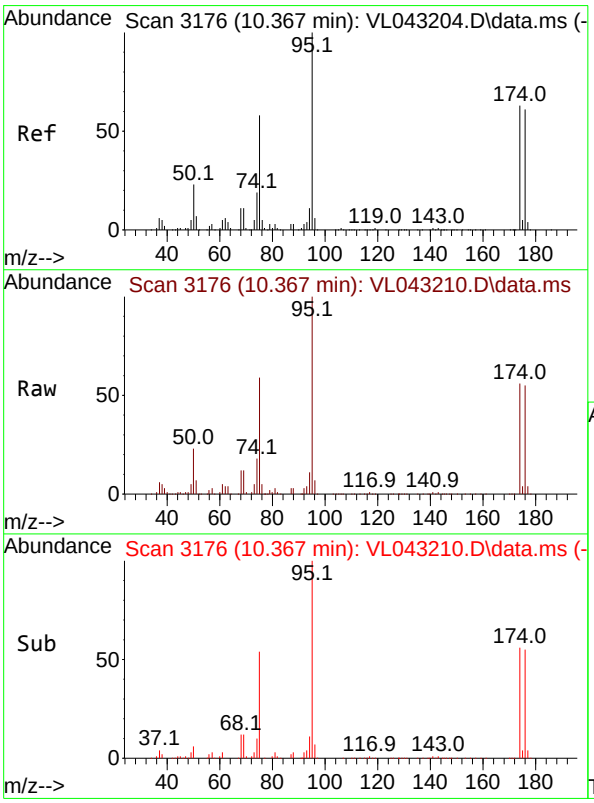
#67
sec-Butylbenzene
Concen: 13.394 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 972780

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.0	22.6

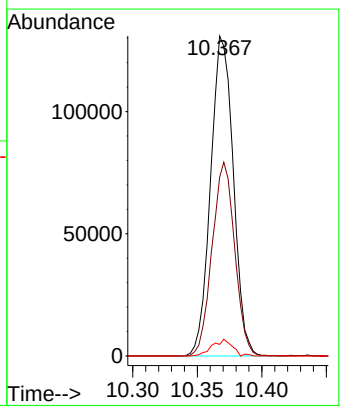


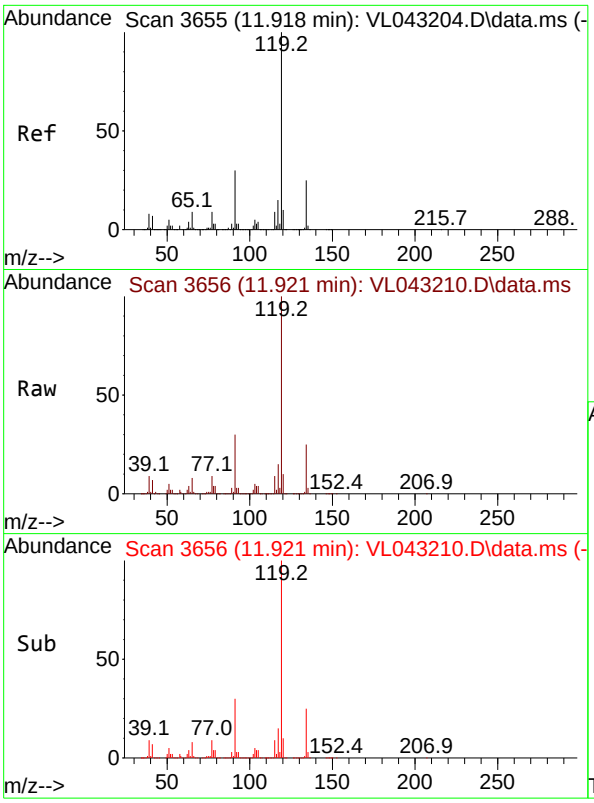


#68
1-Bromo-4-Fluorobenzene
Concen: 10.321 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 95 Resp: 159814

Ion	Ratio	Lower	Upper
95	100		
174	60.3	50.2	75.2
175	4.7	4.1	6.1



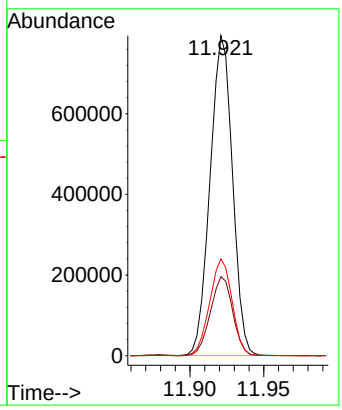


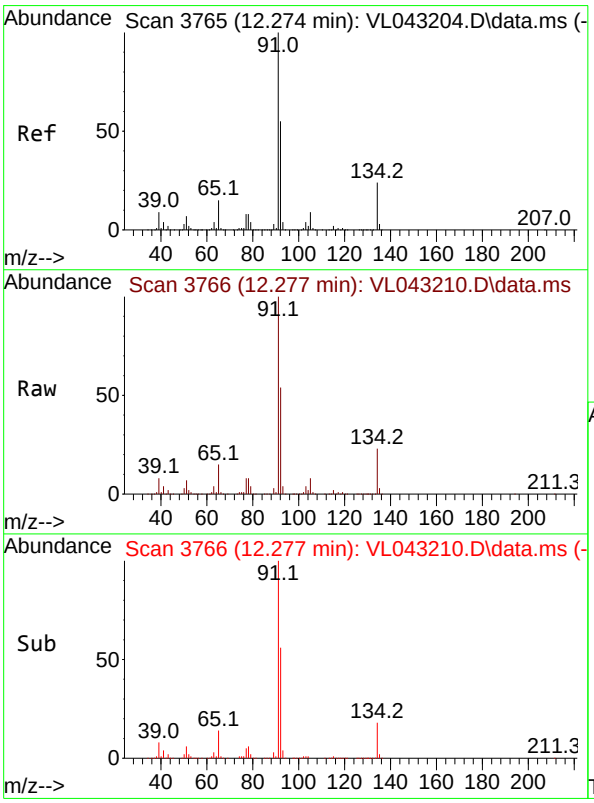
#69
p-Isopropyltoluene
Concen: 13.602 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 836888

Ion	Ratio	Lower	Upper
119	100		
134	24.8	20.2	30.2
91	30.3	23.8	35.8

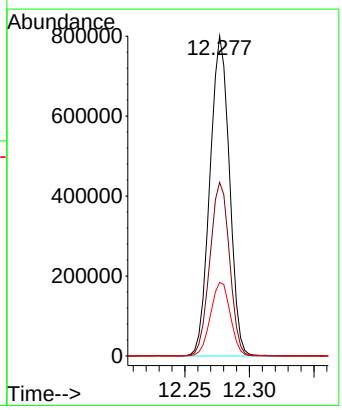


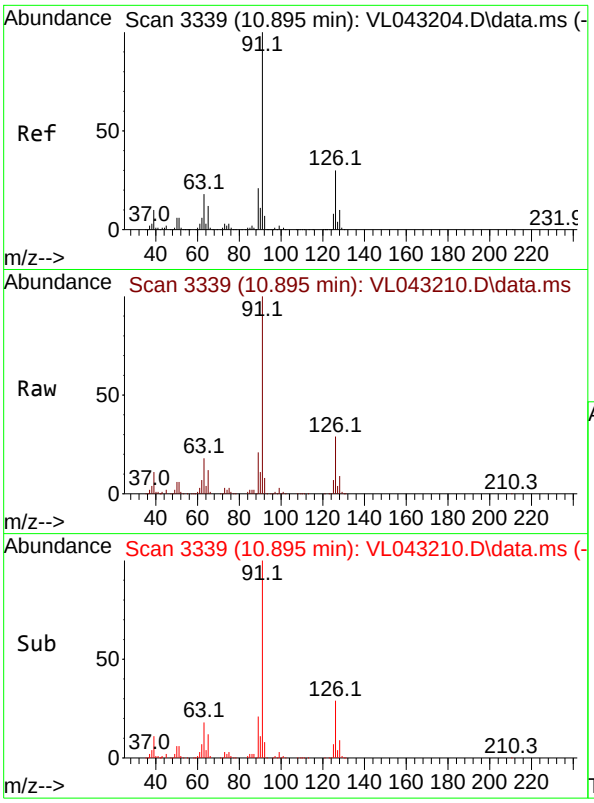


#70
n-Butylbenzene
Concen: 14.050 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion: 91 Resp: 838598

Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.5	65.3
134	23.4	19.0	28.6



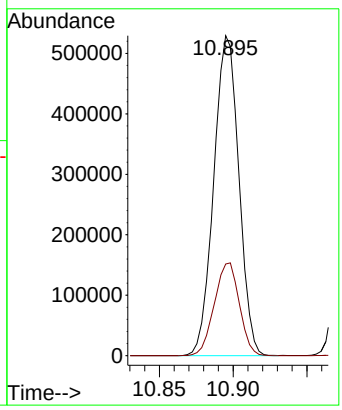


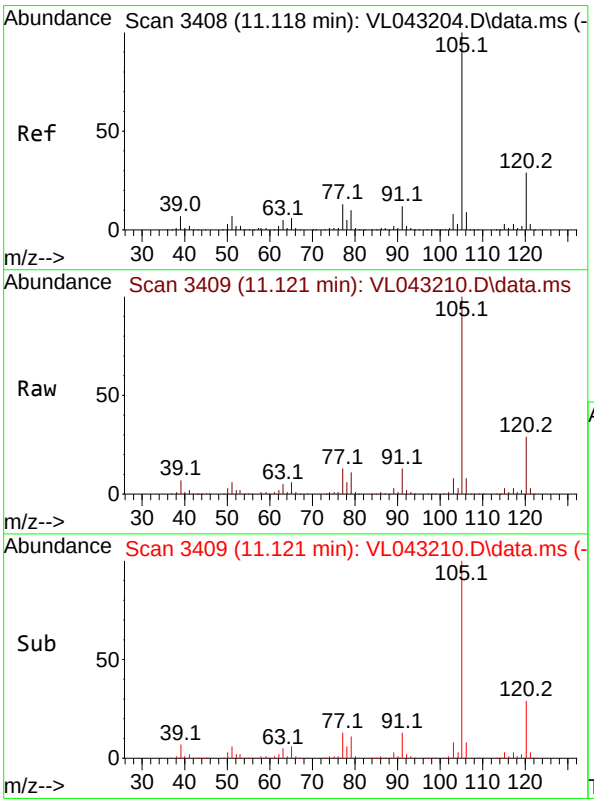
#71
2-Chlorotoluene
Concen: 13.976 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 625884

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.7	46.7

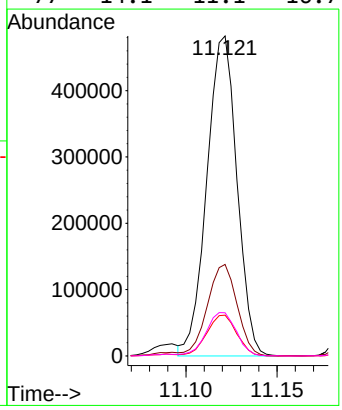


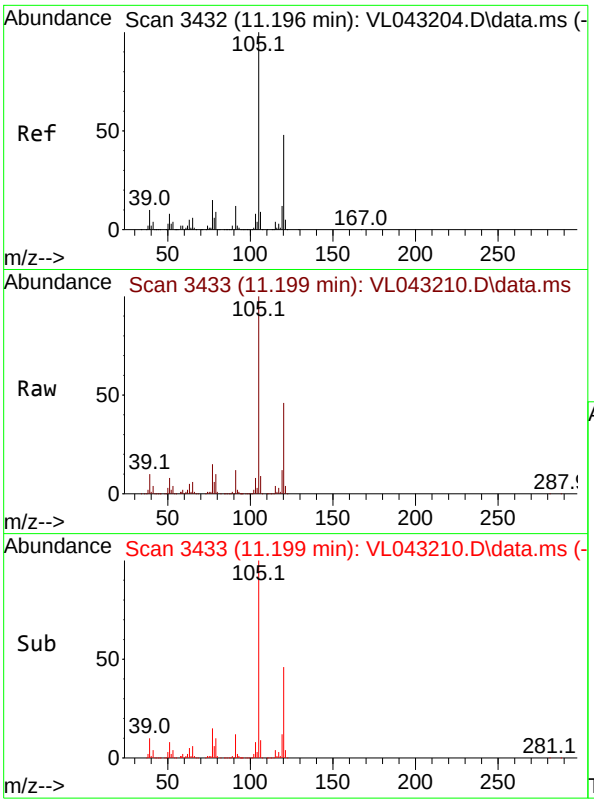


#72
4-Ethyltoluene
Concen: 13.961 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 553654

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.8	35.8
91	13.2	10.3	15.5
77	14.1	11.1	16.7



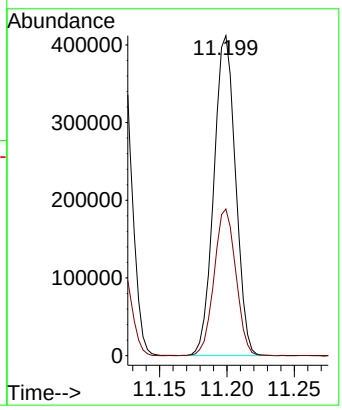


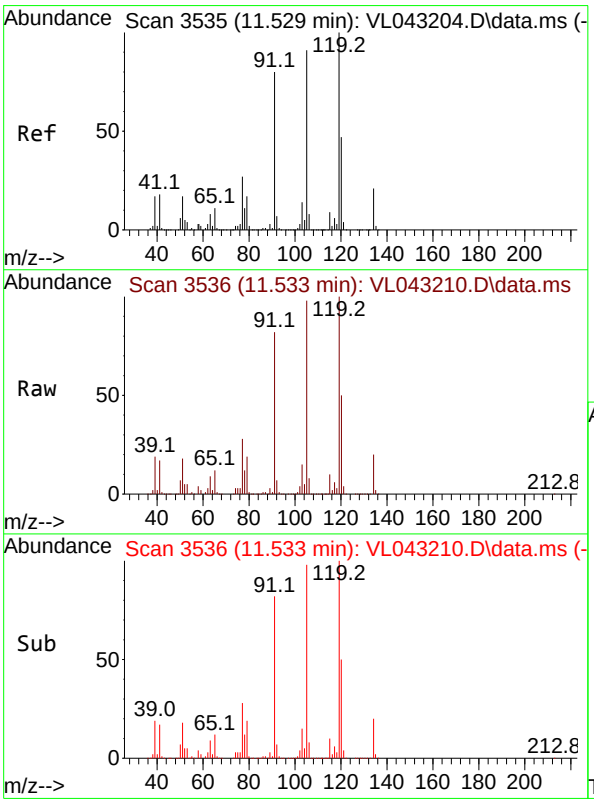
#73
1,3,5-Trimethylbenzene
Concen: 13.846 ppbv
RT: 11.199 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 460783

Ion	Ratio	Lower	Upper
105	100		
120	45.9	38.6	57.8

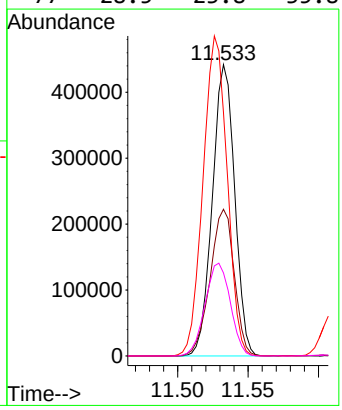


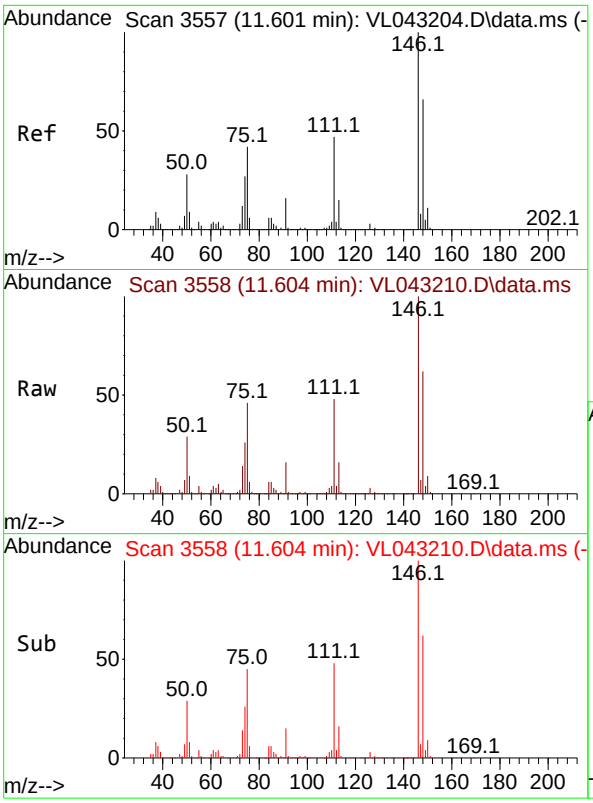


#74
1,2,4-Trimethylbenzene
Concen: 13.409 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:105 Resp: 486995

Ion	Ratio	Lower	Upper
105	100		
120	50.4	41.7	62.5
91	83.4	70.0	105.0
77	28.5	23.8	35.8



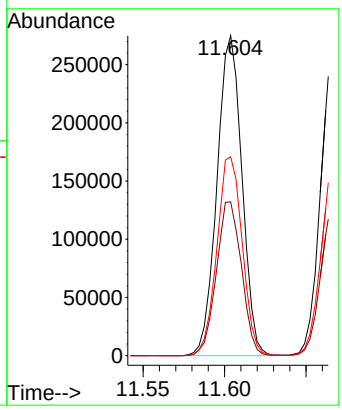


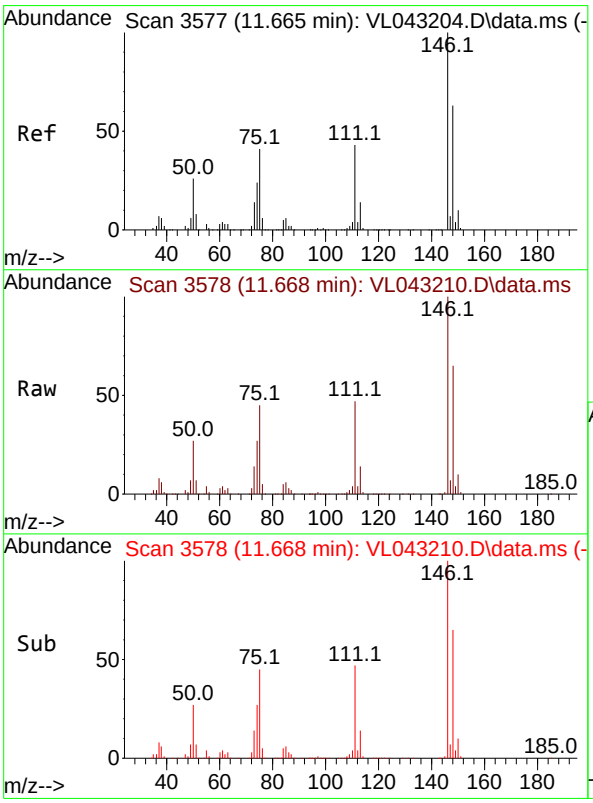
#75
1,3-Dichlorobenzene
Concen: 13.784 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 292143

Ion	Ratio	Lower	Upper
146	100		
111	48.4	23.4	70.3
148	63.1	31.6	95.0

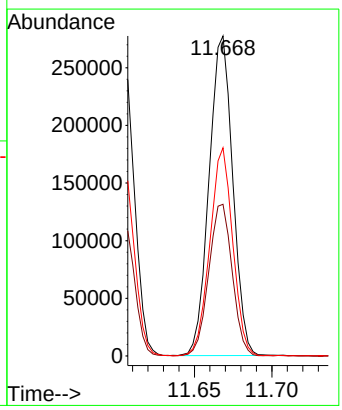


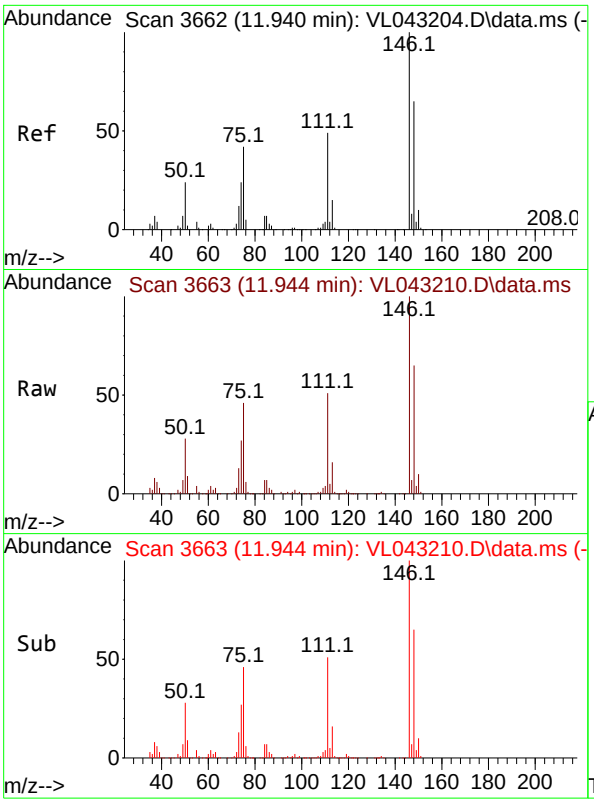


#76
1,4-Dichlorobenzene
Concen: 13.903 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:146 Resp: 294723

Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.8	68.3
148	63.2	31.8	95.4



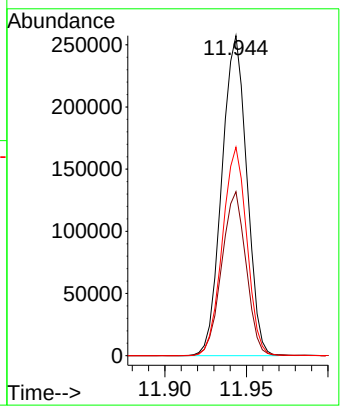


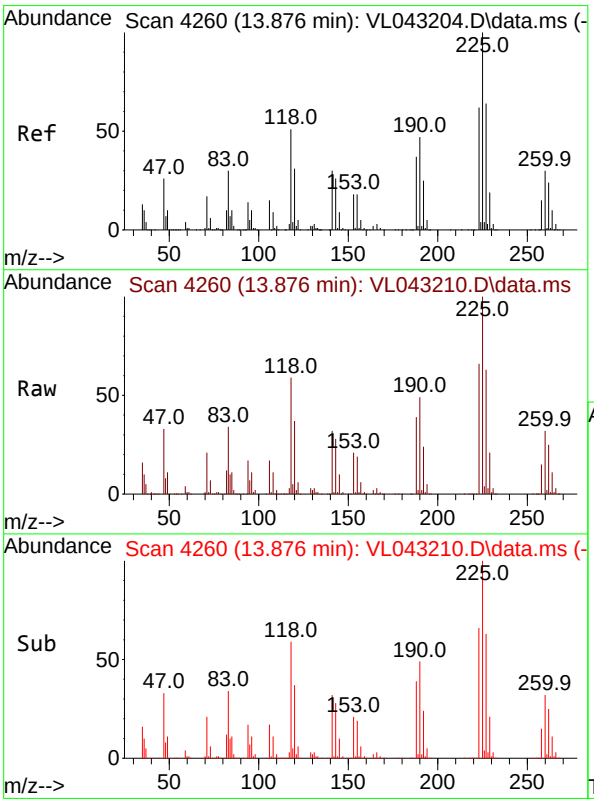
#77
1,2-Dichlorobenzene
Concen: 13.420 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 273467

Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.3	73.0
148	63.9	31.6	94.7

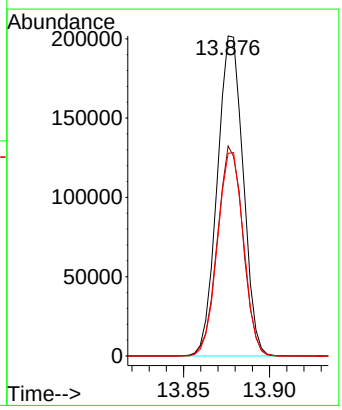


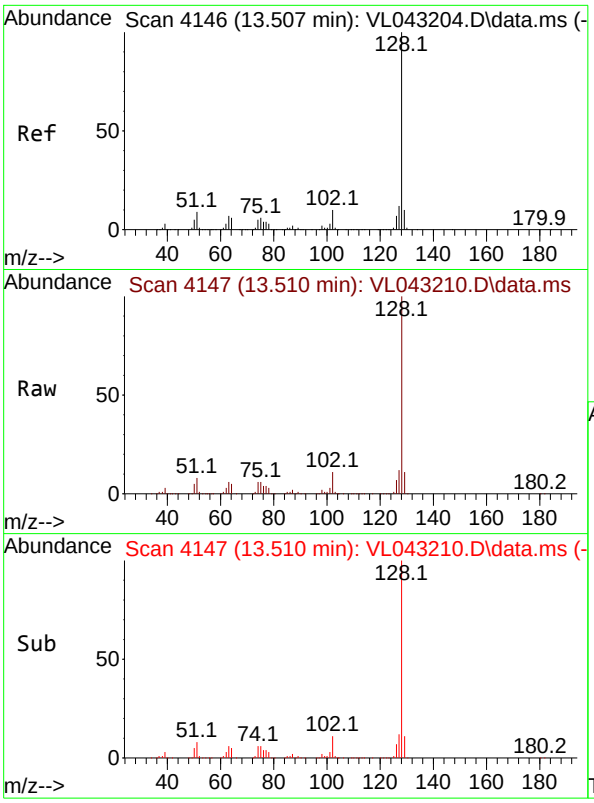


#78
Hexachloro-1,3-Butadiene
Concen: 12.416 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:225 Resp: 211153

Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.2	75.4
227	63.9	51.1	76.7



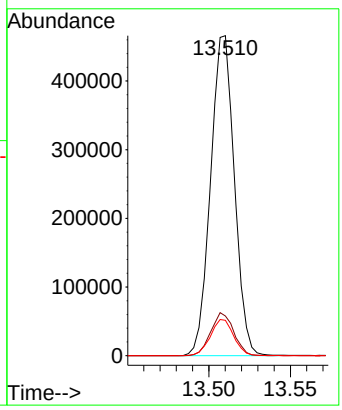


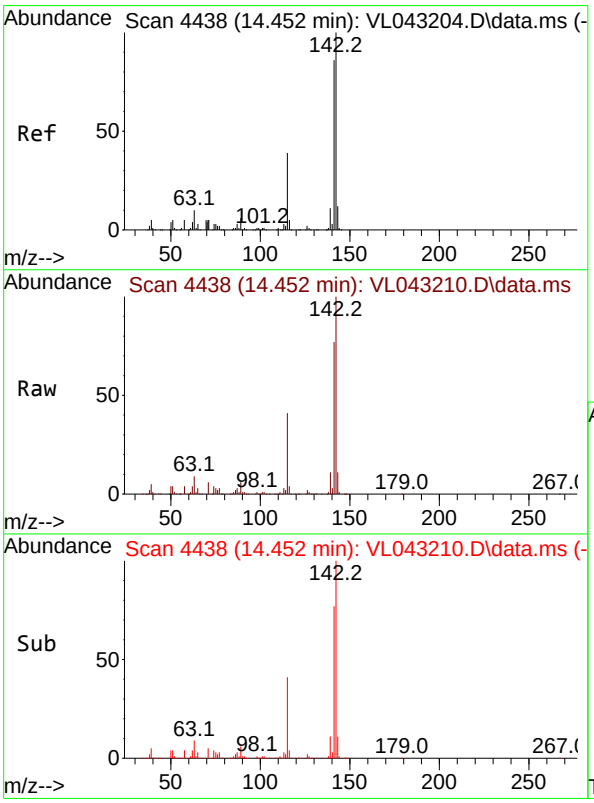
#79
Naphthalene
Concen: 14.670 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 473229

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.1	8.4	12.6

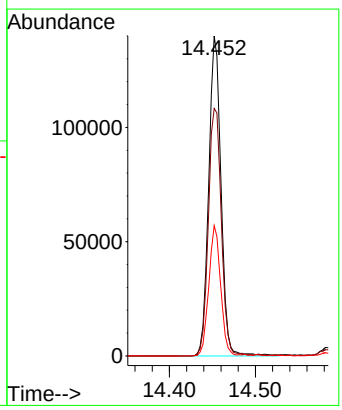


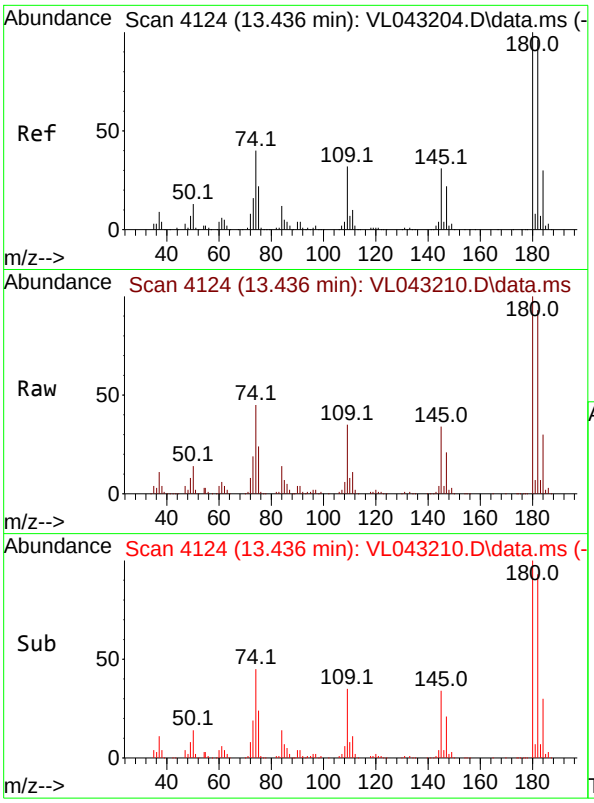


#80
Naphthalene,2-methyl-
Concen: 16.418 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Tgt Ion:142 Resp: 139019

Ion	Ratio	Lower	Upper
142	100		
141	82.6	67.1	100.7
115	40.2	31.9	47.9



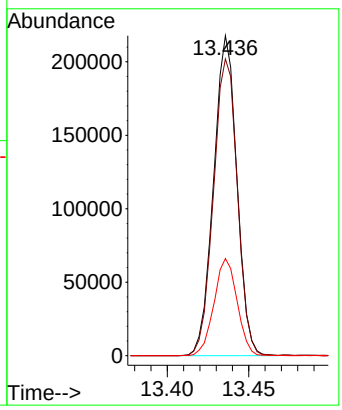


#81
1,2,4-Trichlorobenzene
Concen: 14.990 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043210.D
Acq: 18 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 216260

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.2
184	30.1	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	97854	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	261914	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	216212	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	159242	10.048	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	133374	9.664	ppbv	98
3) Chlorodifluoromethane	1.476	51	124858	9.199	ppbv	98
4) Chloromethane	1.535	50	46906	9.090	ppbv	95
5) Vinyl Chloride	1.580	62	47932	8.493	ppbv	95
6) Bromomethane	1.667	94	22230	8.126	ppbv	99
7) Chloroethane	1.703	64	19854	9.033	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	110587	9.632	ppbv	97
9) Propene	1.771	41	50816	8.817	ppbv	100
10) Heptane	4.975	43	149202	8.698	ppbv	99
11) Trichlorofluoromethane	1.878	101	134746	10.077	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	100984	9.673	ppbv	99
13) Ethanol	1.719	45	15371	7.584	ppbv	92
14) Bromoethene	1.781	108	36979	9.240	ppbv	98
15) Acetone	1.832	43	104830	7.711	ppbv	99
16) 1,3-Butadiene	1.609	39	54795	9.041	ppbv	96
17) tert-Butyl alcohol	2.036	59	164987	9.245	ppbv	99
18) 1,1-Dichloroethene	2.033	96	43833	9.017	ppbv	99
19) Isopropyl Alcohol	1.884	45	64772	8.431	ppbv	97
20) Methylene Chloride	2.062	84	41254	10.323	ppbv	95
21) Allyl Chloride	2.095	41	75516	8.256	ppbv	97
22) trans-1,2-Dichloroethene	2.341	96	50228	9.041	ppbv	92
23) Vinyl Acetate	2.460	43	140156	8.539	ppbv	98
24) 1,1-Dichloroethane	2.409	63	103187	9.622	ppbv	97
25) Ethyl Acetate	2.829	43	258609	8.820	ppbv	99
26) Hexane	2.826	57	114312	8.892	ppbv	98
27) Carbon Disulfide	2.150	76	125048	9.528	ppbv	97
28) Methyl tert-Butyl Ether	2.438	73	64183	10.171	ppbv	98
29) Chloroform	2.846	83	173977	9.521	ppbv	99
30) Cyclohexane	3.852	84	98598	9.148	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	119843	9.379	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	182262	9.358	ppbv	98
34) 2-Butanone	2.551	43	160977	8.707	ppbv	98
35) Carbon Tetrachloride	3.761	117	182902	9.200	ppbv	98
36) Benzene	3.655	78	233094	9.293	ppbv	99
37) 1,2-Dichloroethane	3.214	62	143363	9.772	ppbv	98
38) Trichloroethene	4.542	130	90993	9.272	ppbv	95
39) 1,2-Dichloropropane	4.305	63	83416	9.086	ppbv	95
40) 1,4-Dioxane	4.571	88	32109	7.780	ppbv #	95
41) Tetrahydrofuran	3.046	42	90769	8.891	ppbv	98
42) Bromodichloromethane	4.486	83	195442	9.657	ppbv	96
43) Methyl Methacrylate	4.872	69	116325	8.737	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	393438	9.133	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	97587	7.863	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	115476	7.924	ppbv		97
47) 1,1,2-Trichloroethane	6.577	97	88525	9.086	ppbv		95
48) Dibromochloromethane	7.380	129	159365	9.514	ppbv		99
49) Bromoform	9.477	173	134790	9.085	ppbv		99
50) 4-Methyl-2-Pentanone	5.742	43	224791	8.631	ppbv		99
51) 2-Hexanone	7.429	43	166506	8.233	ppbv	#	100
52) Tetrachloroethene	8.222	164	82890	8.884	ppbv		98
53) Toluene	6.924	91	273172	9.197	ppbv		99
54) 1,2-Dibromoethane	7.645	107	124804	8.705	ppbv		99
56) 1,1,1,2-Tetrachloroethane	8.921	131	142512	8.969	ppbv		98
57) Chlorobenzene	8.917	112	199373	8.981	ppbv		96
58) Ethyl Benzene	9.351	91	381474	9.167	ppbv		97
59) m/p-Xylene	9.549	91	265475	7.957	ppbv	#	13
60) o-Xylene	9.960	91	295836	8.876	ppbv		99
61) Styrene	9.866	104	127117	8.714	ppbv		97
62) Isopropylbenzene	10.536	105	525717	8.816	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.960	83	178591	8.421	ppbv		100
64) n-propylbenzene	10.986	120	131634	8.591	ppbv		96
65) tert-Butylbenzene	11.529	119	450819	8.465	ppbv		99
66) Benzyl Chloride	11.614	91	27878	5.159	ppbv		99
67) sec-Butylbenzene	11.766	105	623520	8.388	ppbv		100
69) p-Isopropyltoluene	11.924	119	520880	8.272	ppbv		99
70) n-Butylbenzene	12.280	91	513027	8.398	ppbv		99
71) 2-Chlorotoluene	10.898	91	396434	8.649	ppbv		99
72) 4-Ethyltoluene	11.122	105	356325	8.779	ppbv		99
73) 1,3,5-Trimethylbenzene	11.199	105	294977	8.660	ppbv		95
74) 1,2,4-Trimethylbenzene	11.533	105	314606	8.463	ppbv		94
75) 1,3-Dichlorobenzene	11.604	146	180491	8.320	ppbv		99
76) 1,4-Dichlorobenzene	11.669	146	179491	8.273	ppbv		99
77) 1,2-Dichlorobenzene	11.944	146	166137	7.966	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	125707	7.222	ppbv		100
79) Naphthalene	13.510	128	273029	8.270	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	74802	8.631	ppbv		97
81) 1,2,4-Trichlorobenzene	13.436	180	125470	8.497	ppbv		99

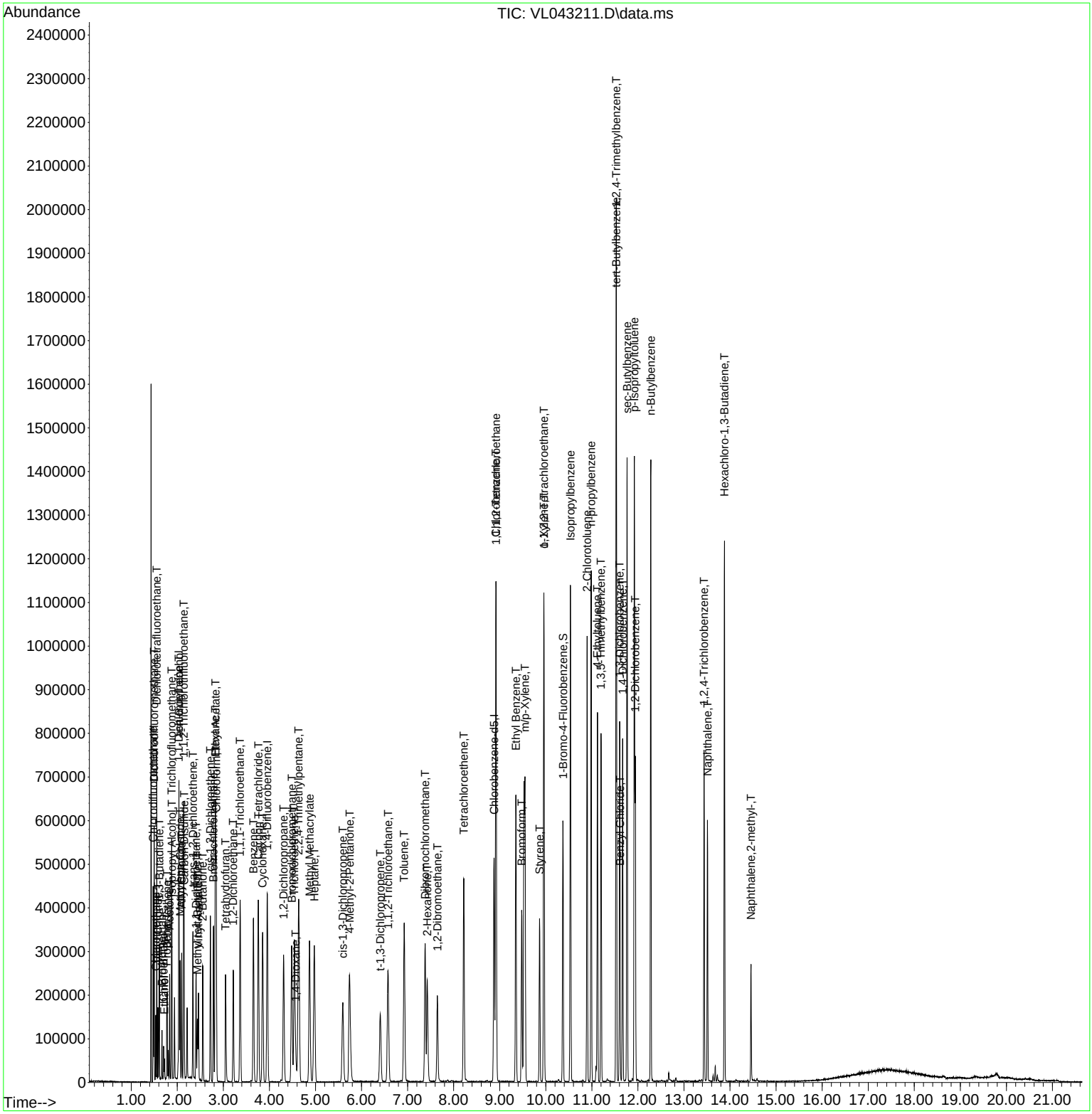
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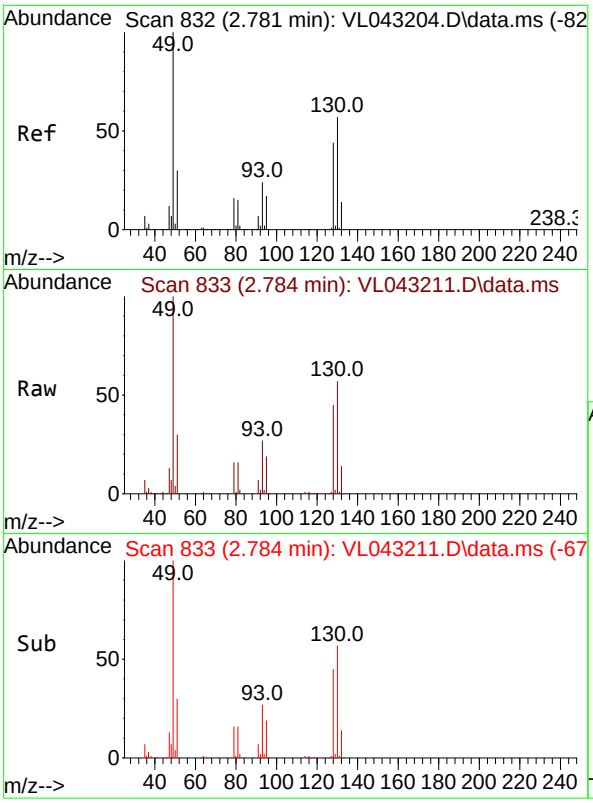
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
Data File : VL043211.D
Acq On : 18 Nov 2025 13:56
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Quant Time: Nov 19 01:34:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



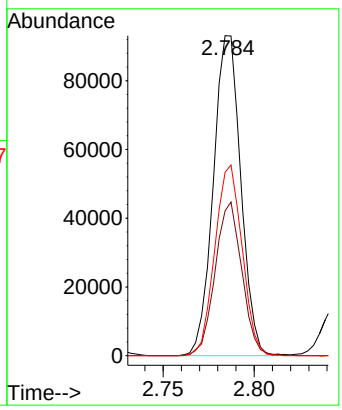


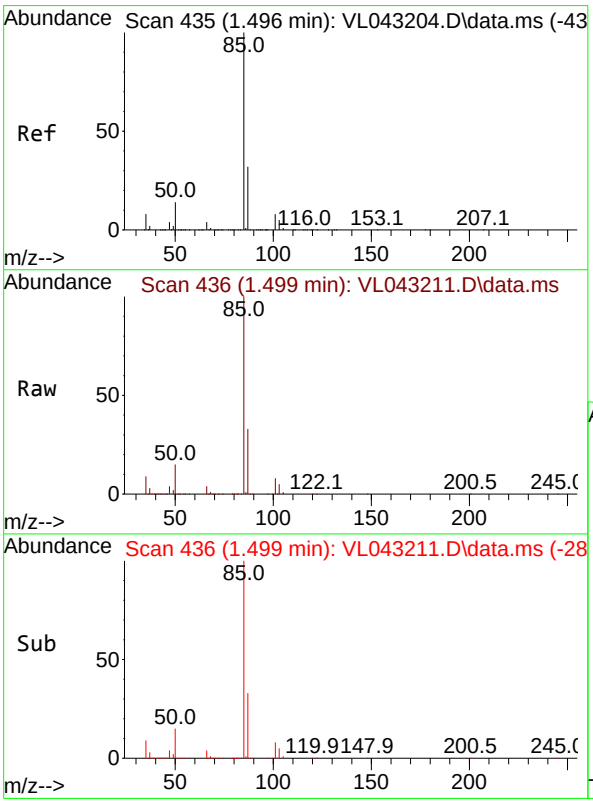
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 49 Resp: 97854

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.0	69.0
130	59.0	29.9	89.7

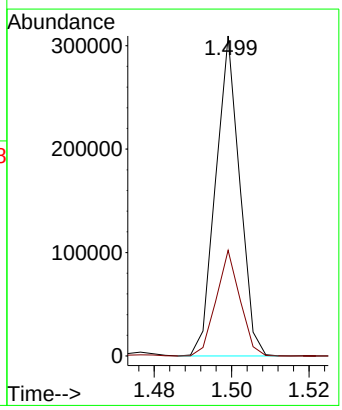


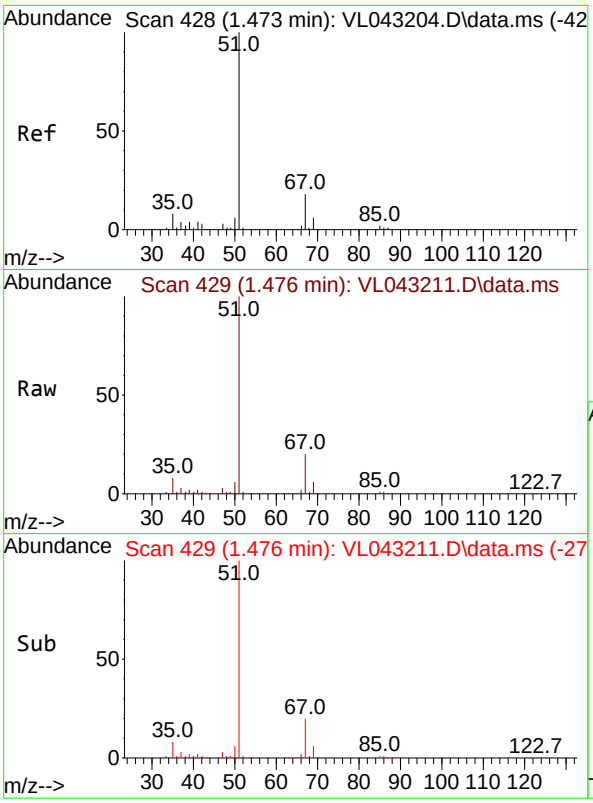


#2
Dichlorodifluoromethane
Concen: 9.664 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 85 Resp: 133374

Ion	Ratio	Lower	Upper
85	100		
87	33.0	25.4	38.2



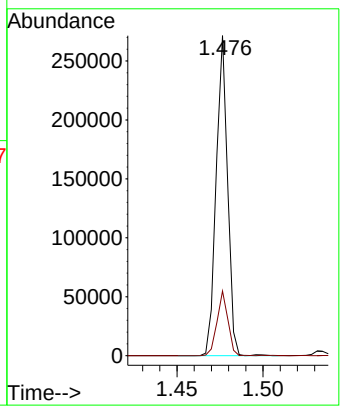


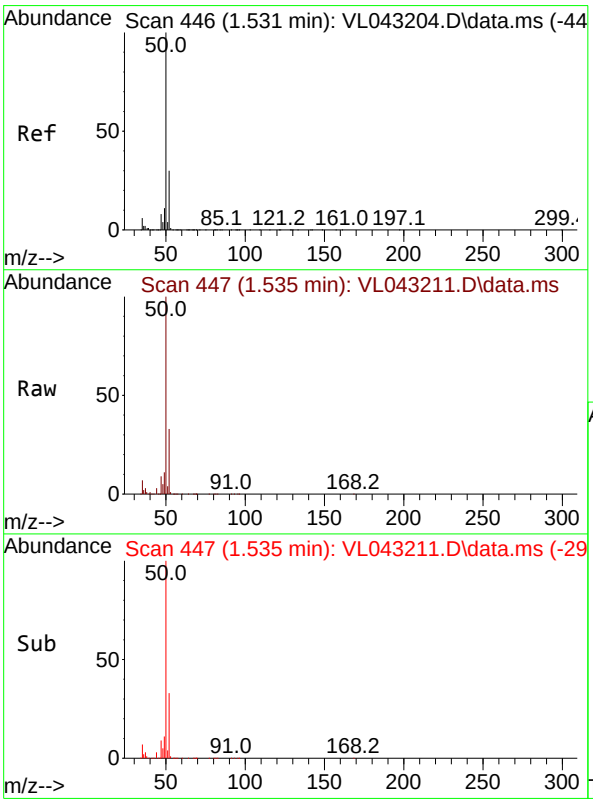
#3
Chlorodifluoromethane
Concen: 9.199 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 51 Resp: 124858

Ion	Ratio	Lower	Upper
51	100		
67	19.6	14.9	22.3

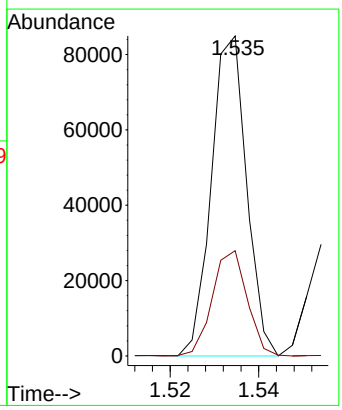


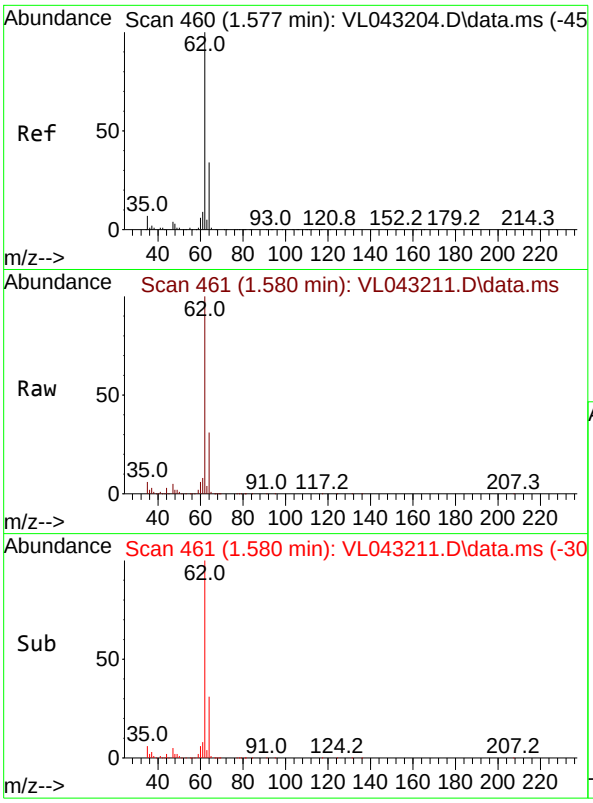


#4
Chloromethane
Concen: 9.090 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 50 Resp: 46906

Ion	Ratio	Lower	Upper
50	100		
52	32.8	24.1	36.1



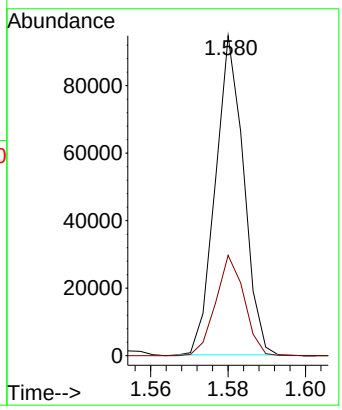


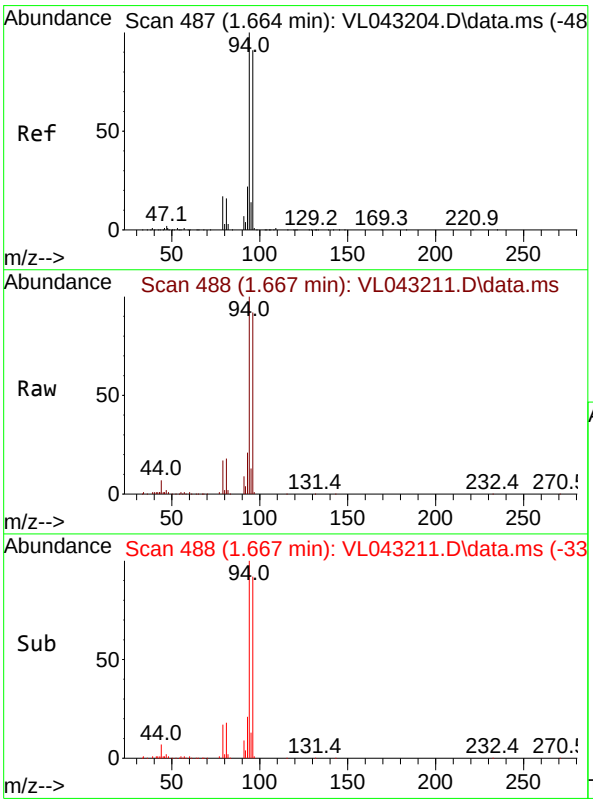
#5
Vinyl Chloride
Concen: 8.493 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 62 Resp: 47932

Ion	Ratio	Lower	Upper
62	100		
64	31.4	27.3	40.9

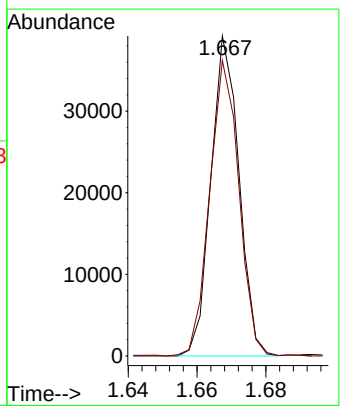


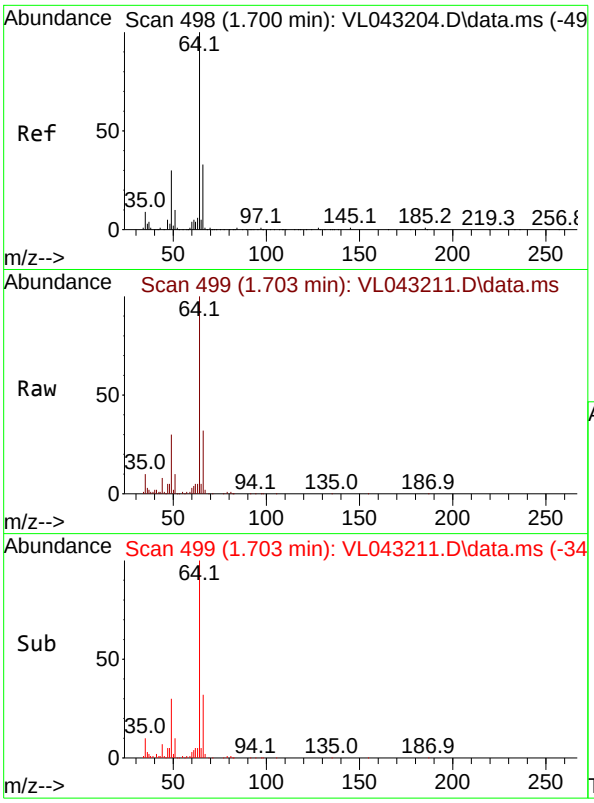


#6
Bromomethane
Concen: 8.126 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 94 Resp: 22230

Ion	Ratio	Lower	Upper
94	100		
96	92.2	72.9	109.3



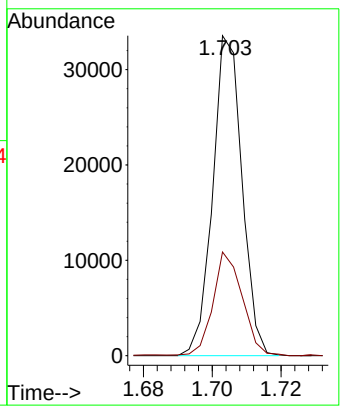


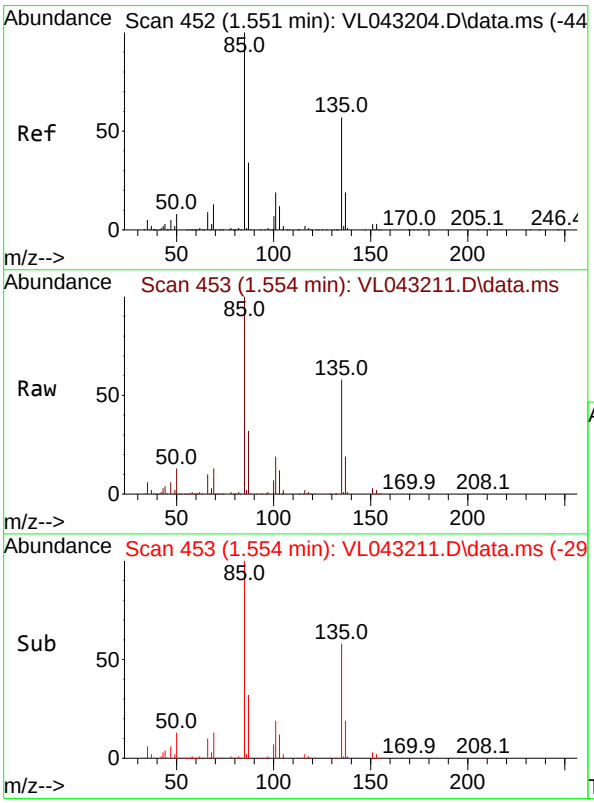
#7
Chloroethane
Concen: 9.033 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 64 Resp: 19854

Ion	Ratio	Lower	Upper
64	100		
66	32.4	26.8	40.2

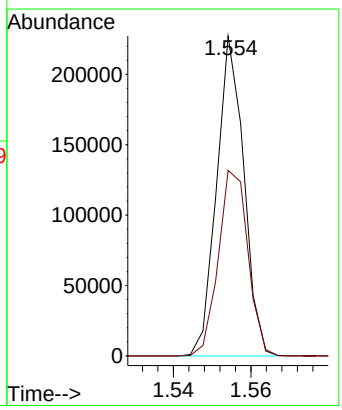


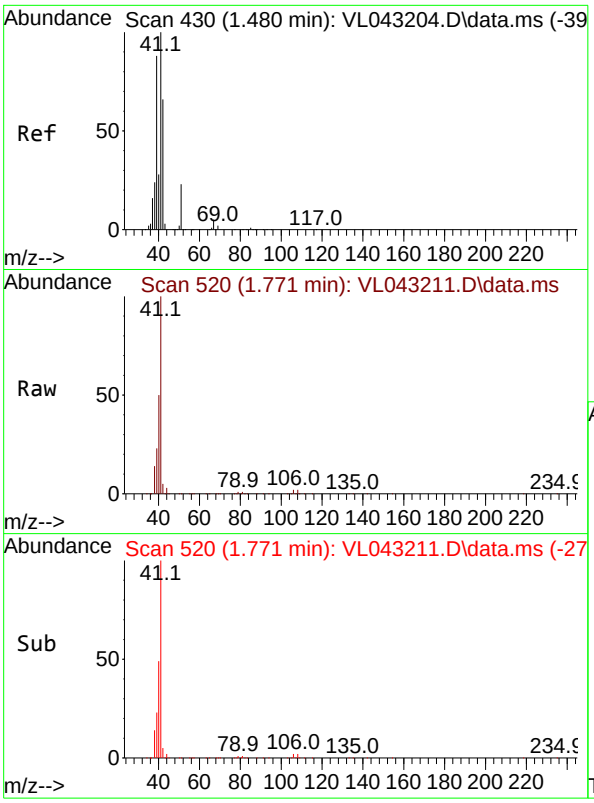


#8
Dichlorotetrafluoroethane
Concen: 9.632 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 85 Resp: 110587

Ion	Ratio	Lower	Upper
85	100		
135	63.5	52.6	79.0



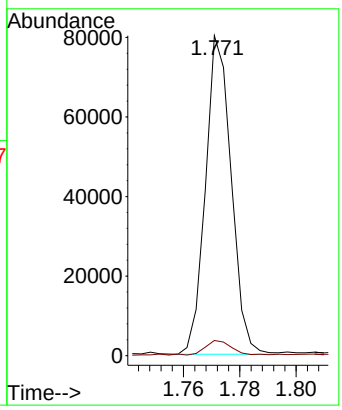


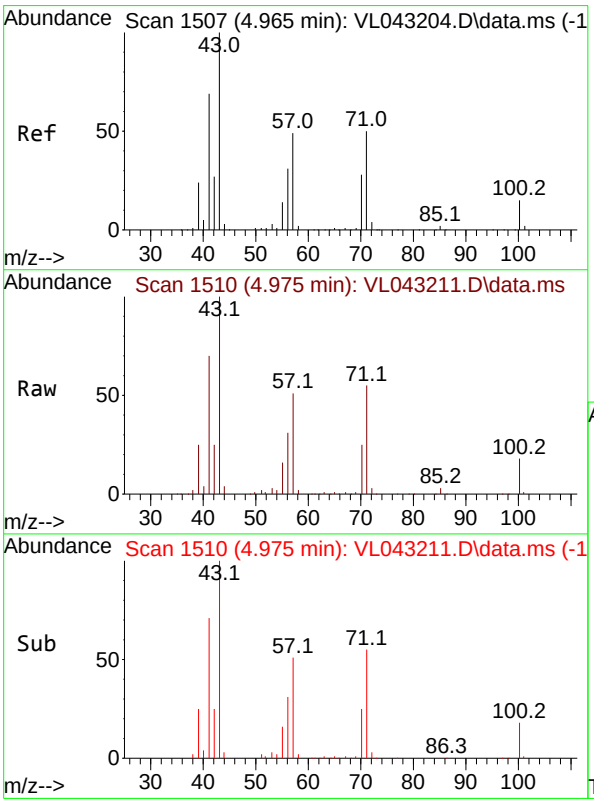
#9
Propene
Concen: 8.817 ppbv
RT: 1.771 min Scan# 5
Delta R.T. 0.291 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 41 Resp: 50816

Ion	Ratio	Lower	Upper
41	100		
42	4.7	3.7	5.5

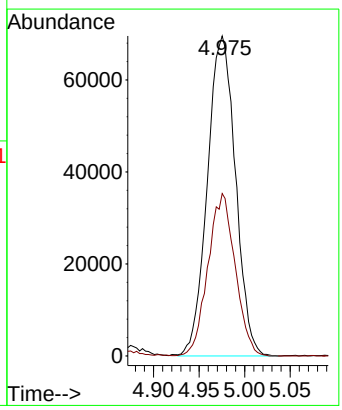


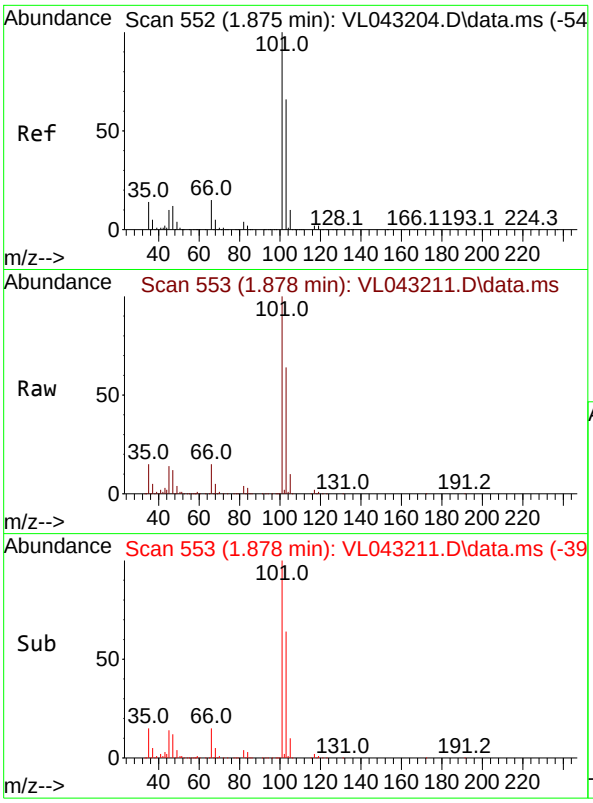


#10
Heptane
Concen: 8.698 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 149202

Ion	Ratio	Lower	Upper
43	100		
57	49.1	39.7	59.5



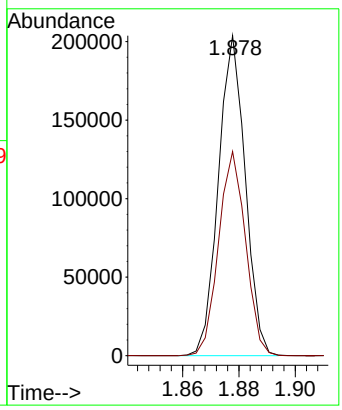


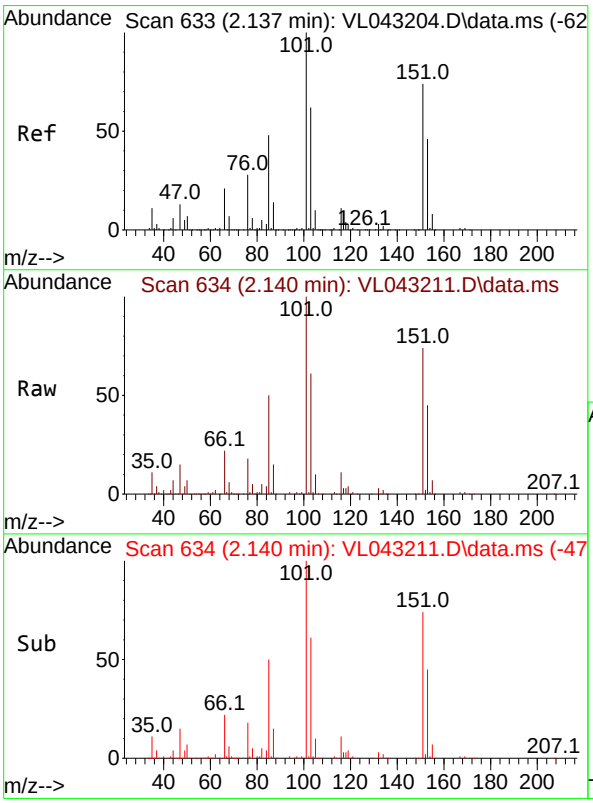
#11
Trichlorofluoromethane
Concen: 10.077 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:101 Resp: 134746

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	79.0

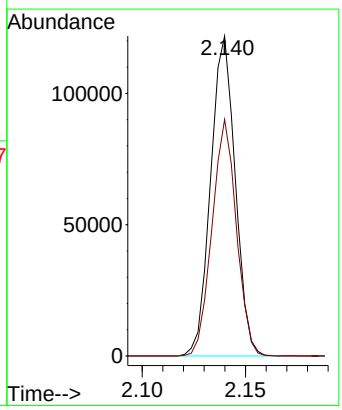


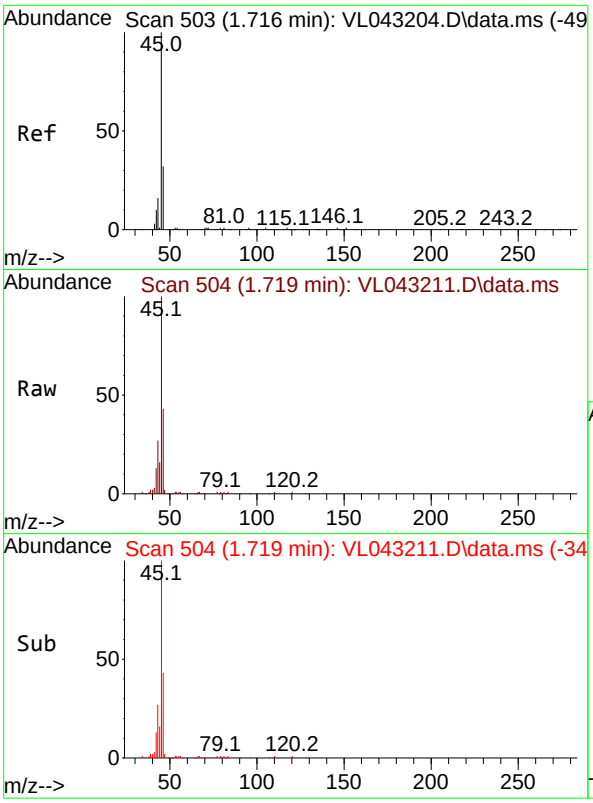


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.673 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:101 Resp: 100984

Ion	Ratio	Lower	Upper
101	100		
151	73.1	59.2	88.8



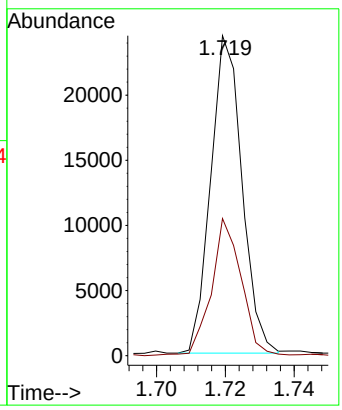


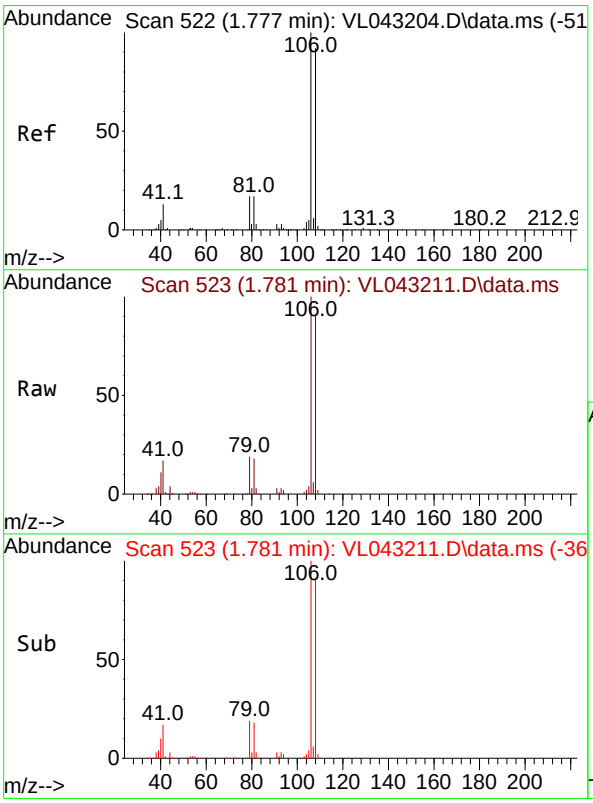
#13
Ethanol
Concen: 7.584 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 45 Resp: 15371

Ion	Ratio	Lower	Upper
45	100		
46	42.2	15.0	59.8

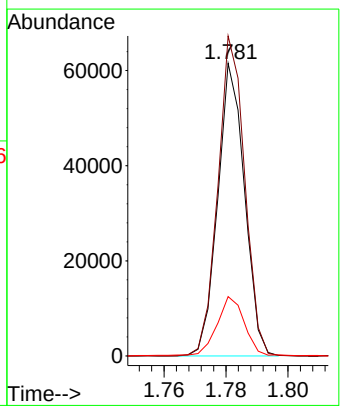


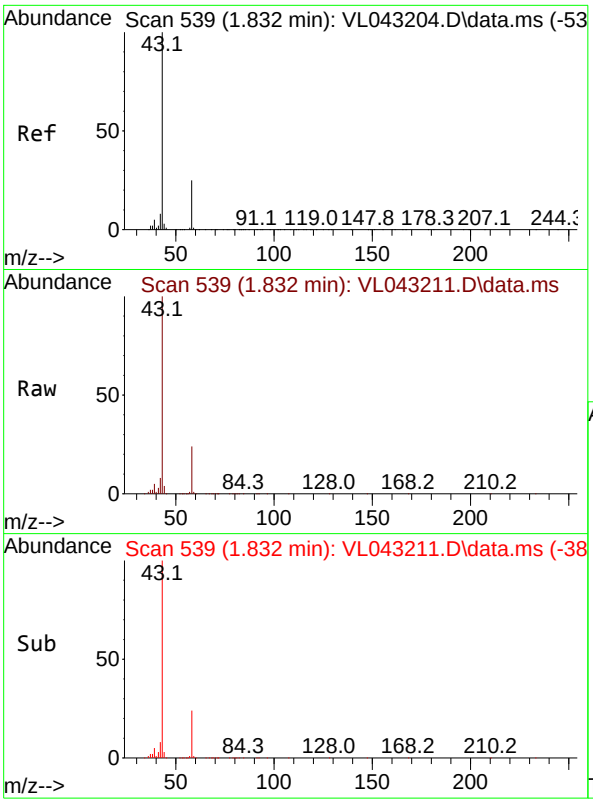


#14
Bromoethene
Concen: 9.240 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:108 Resp: 36979

Ion	Ratio	Lower	Upper
108	100		
106	109.3	88.9	133.3
79	21.9	16.5	24.7



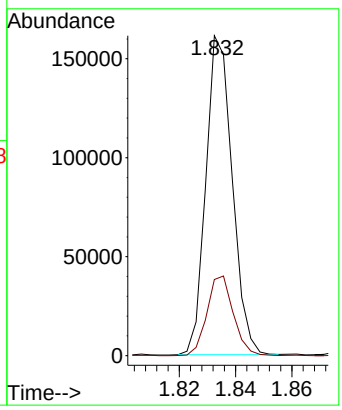


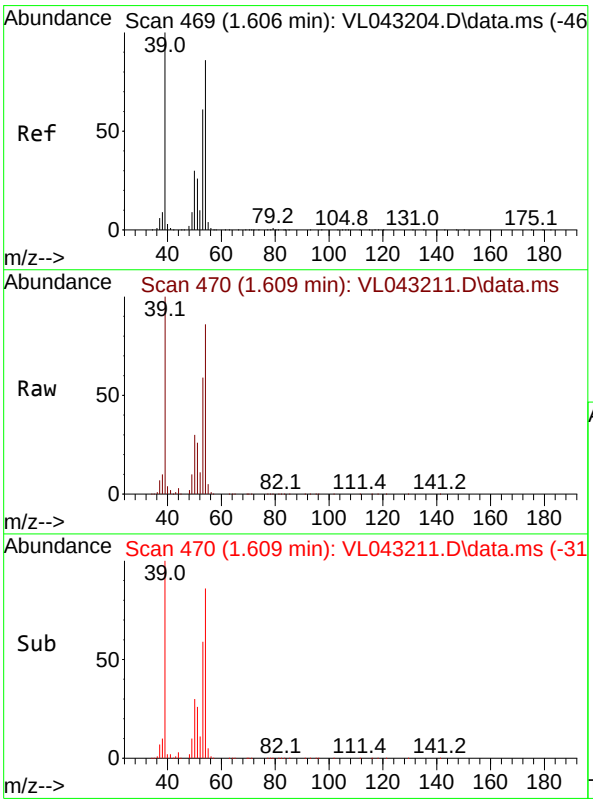
#15
Acetone
Concen: 7.711 ppbv
RT: 1.832 min Scan# 5
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 43 Resp: 104830

Ion	Ratio	Lower	Upper
43	100		
58	25.2	20.7	31.1

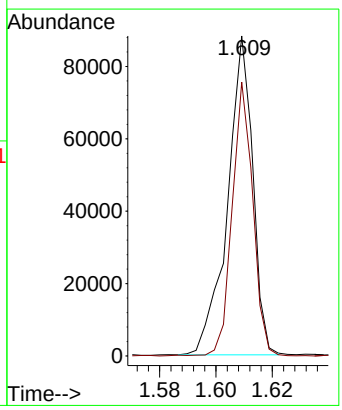


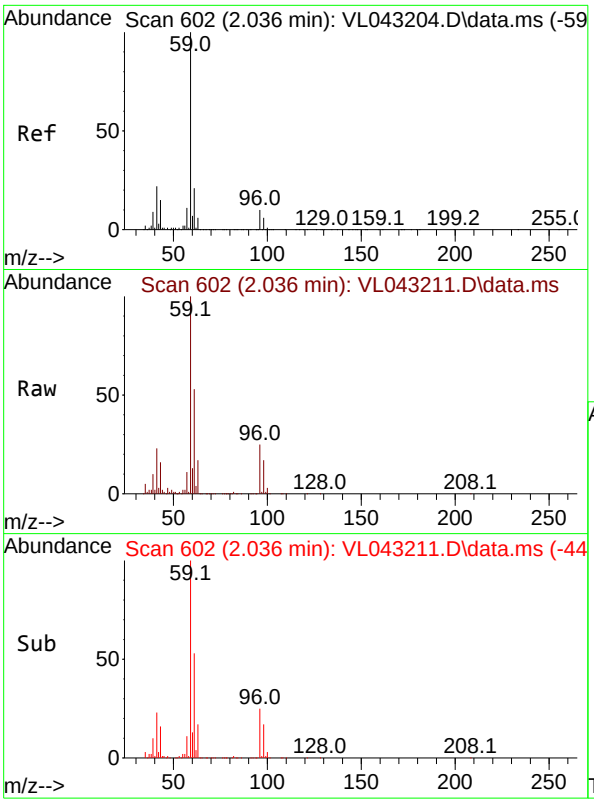


#16
1,3-Butadiene
Concen: 9.041 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 39 Resp: 54795

Ion	Ratio	Lower	Upper
39	100		
54	71.3	59.4	89.2



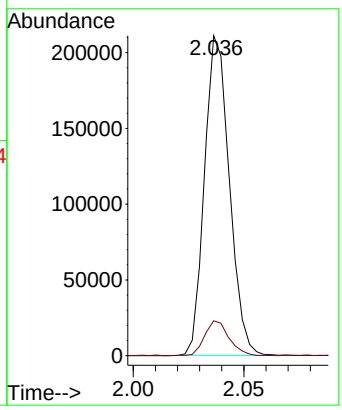


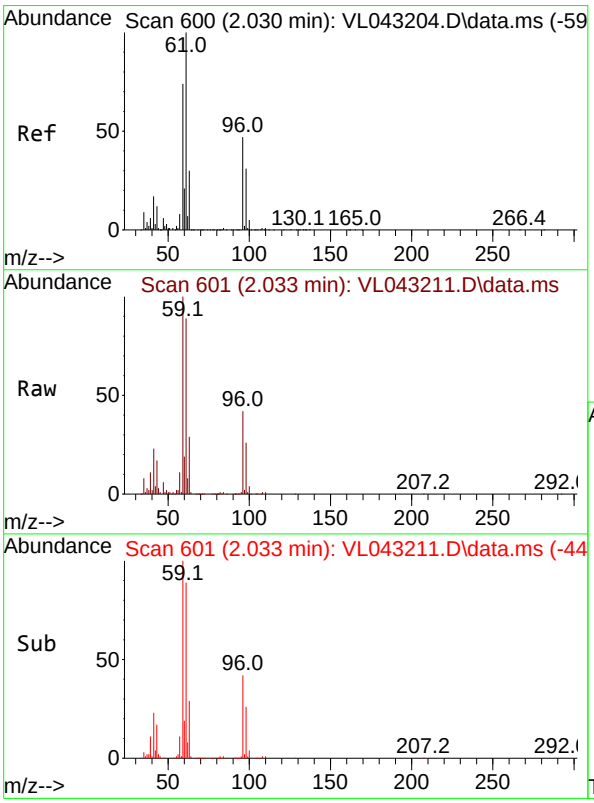
#17
tert-Butyl alcohol
Concen: 9.245 ppbv
RT: 2.036 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 59 Resp: 164987

Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4

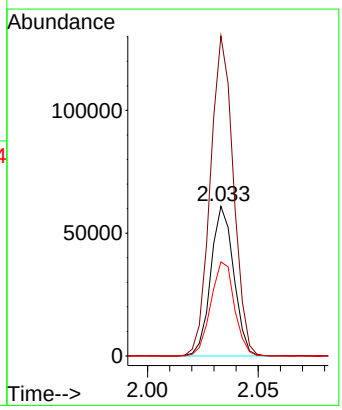


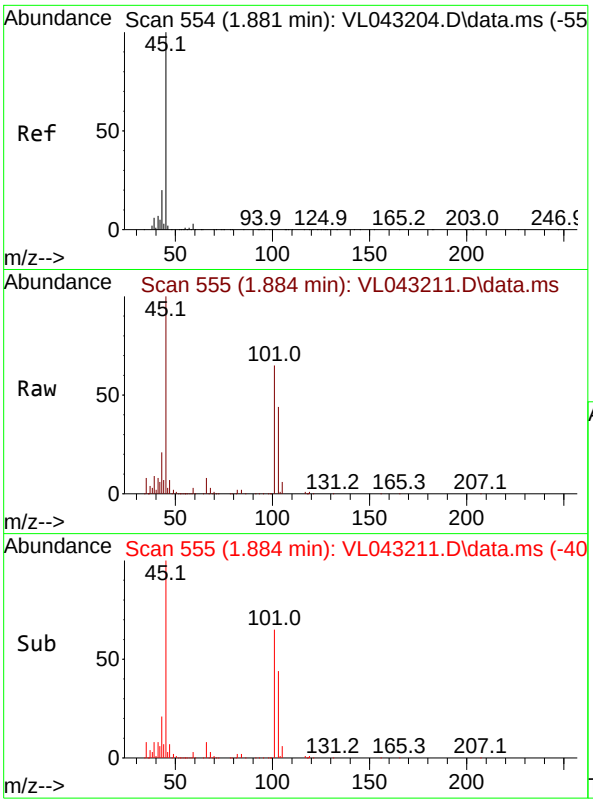


#18
1,1-Dichloroethene
Concen: 9.017 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 96 Resp: 43833

Ion	Ratio	Lower	Upper
96	100		
61	214.0	170.6	255.8
98	62.9	52.2	78.4



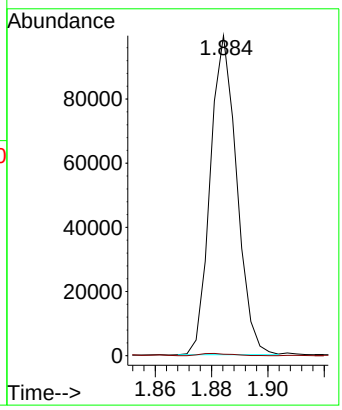


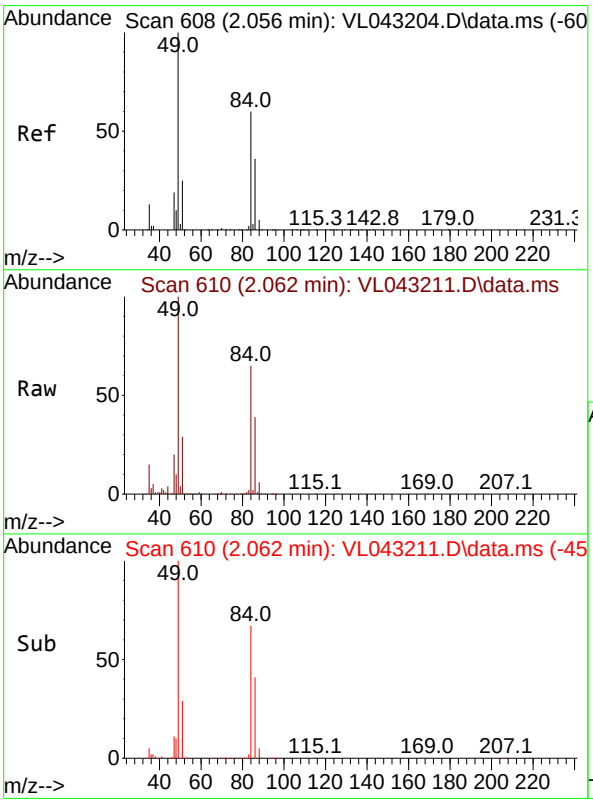
#19
Isopropyl Alcohol
Concen: 8.431 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 45 Resp: 64772

Ion	Ratio	Lower	Upper
45	100		
58	40.8	31.3	46.9

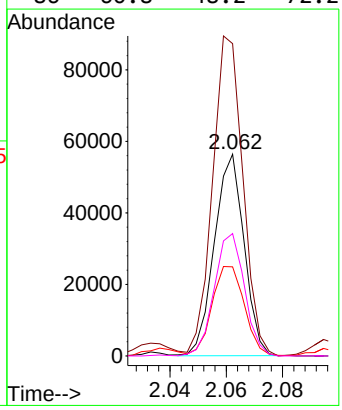


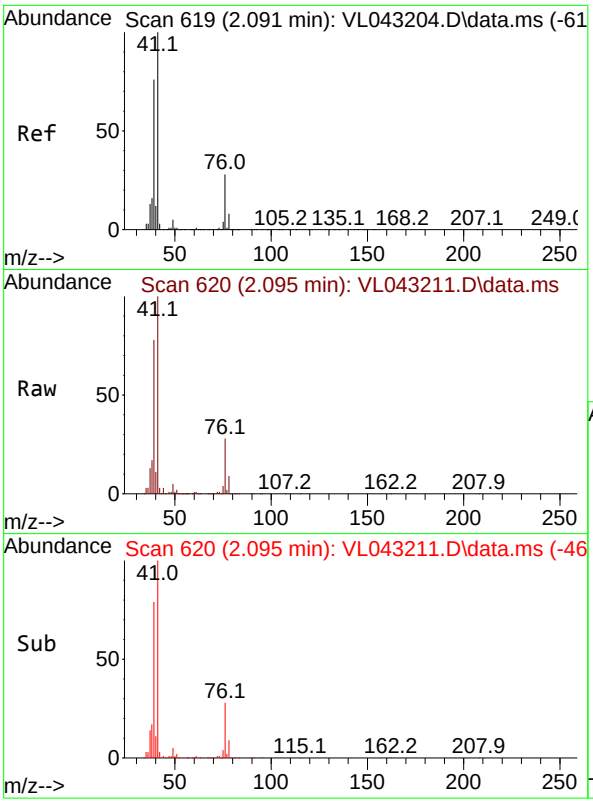


#20
Methylene Chloride
Concen: 10.323 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 84 Resp: 41254

Ion	Ratio	Lower	Upper
84	100		
49	155.1	132.9	199.3
51	43.9	34.8	52.2
86	60.8	48.2	72.2



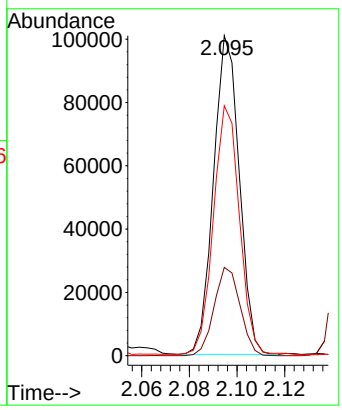


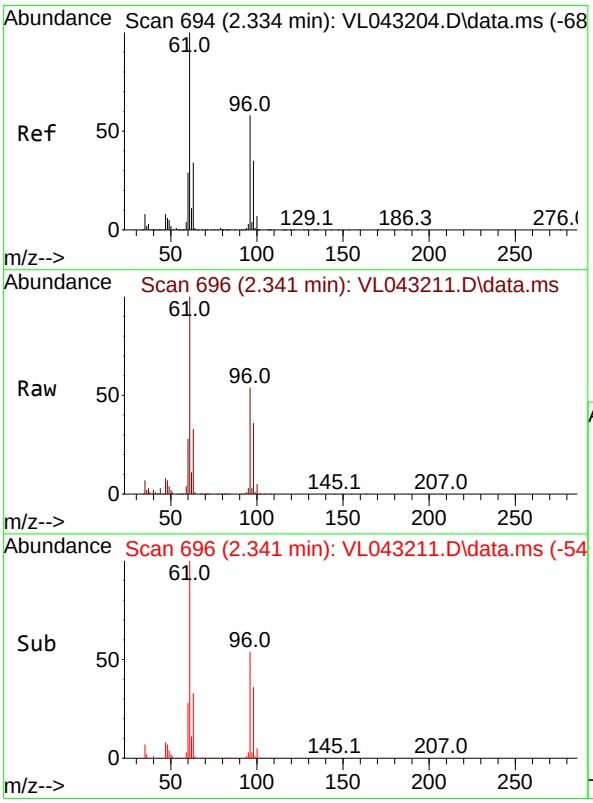
#21
Allyl Chloride
Concen: 8.256 ppbv
RT: 2.095 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 41 Resp: 75516

Ion	Ratio	Lower	Upper
41	100		
76	27.9	22.1	33.1
39	79.3	61.0	91.4

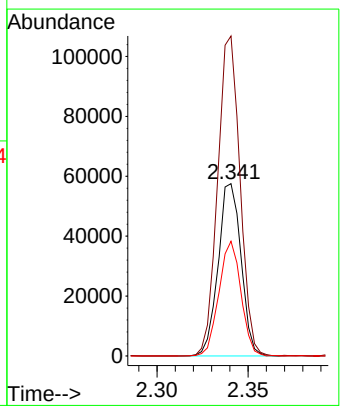


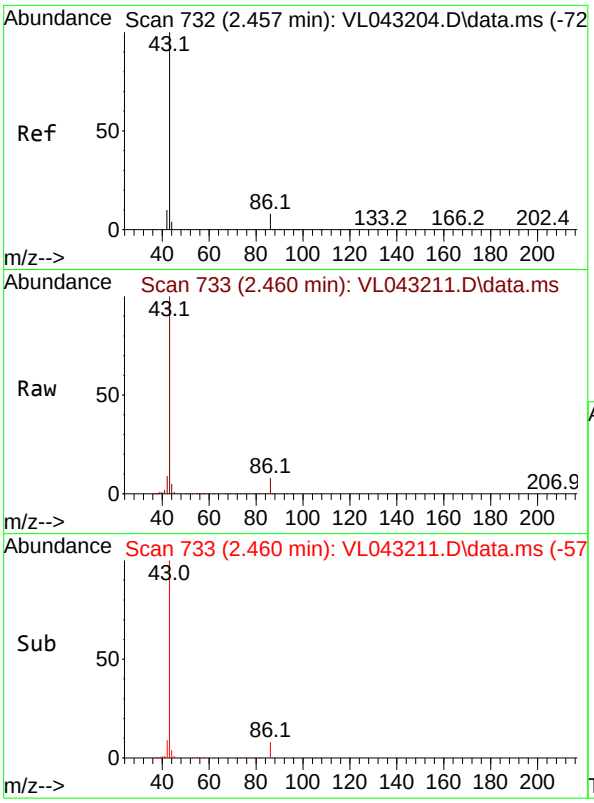


#22
trans-1,2-Dichloroethene
Concen: 9.041 ppbv
RT: 2.341 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 96 Resp: 50228

Ion	Ratio	Lower	Upper
96	100		
61	185.7	139.0	208.6
98	66.6	49.4	74.2



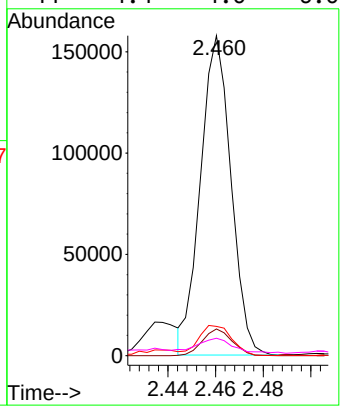


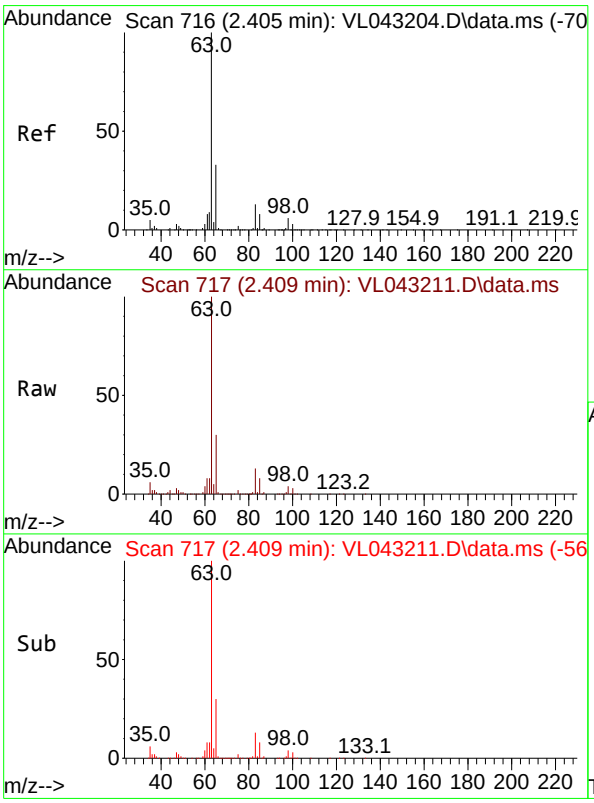
#23
Vinyl Acetate
Concen: 8.539 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 43 Resp: 140156

Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.2	9.2
42	9.1	8.0	12.0
44	4.4	4.0	6.0

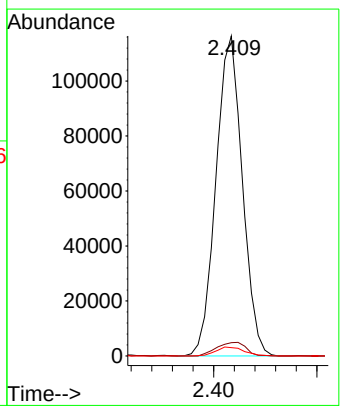


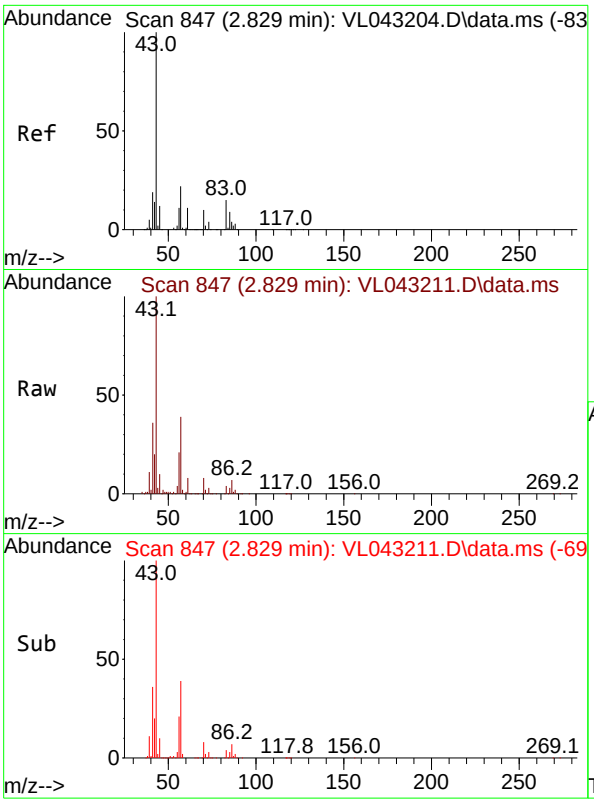


#24
1,1-Dichloroethane
Concen: 9.622 ppbv
RT: 2.409 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 63 Resp: 103187

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.8	8.4
100	2.6	1.3	3.9



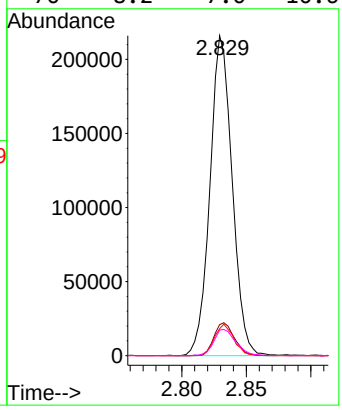


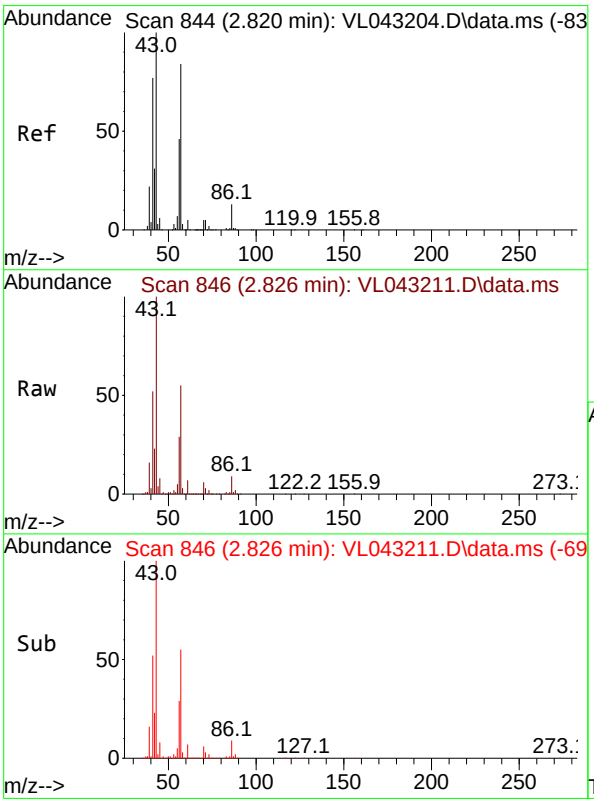
#25
Ethyl Acetate
Concen: 8.820 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 43 Resp: 258609

Ion	Ratio	Lower	Upper
43	100		
45	9.6	8.1	12.1
61	8.5	7.0	10.4
70	8.2	7.0	10.6

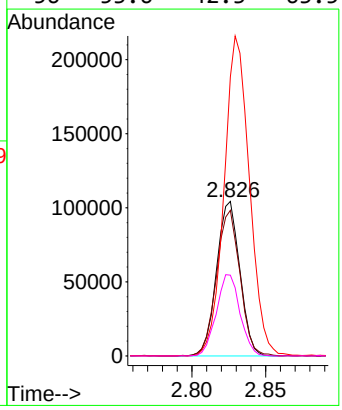


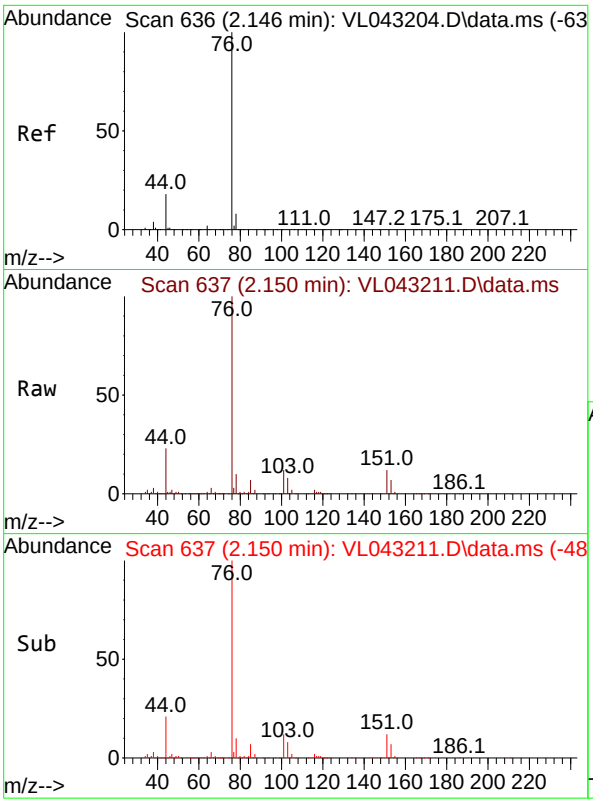


#26
Hexane
Concen: 8.892 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 57 Resp: 114312

Ion	Ratio	Lower	Upper
57	100		
41	96.0	74.6	111.8
43	226.4	179.0	268.4
56	53.6	42.3	63.5



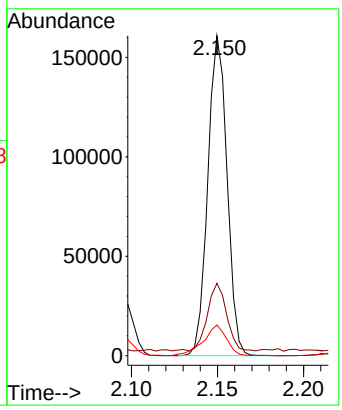


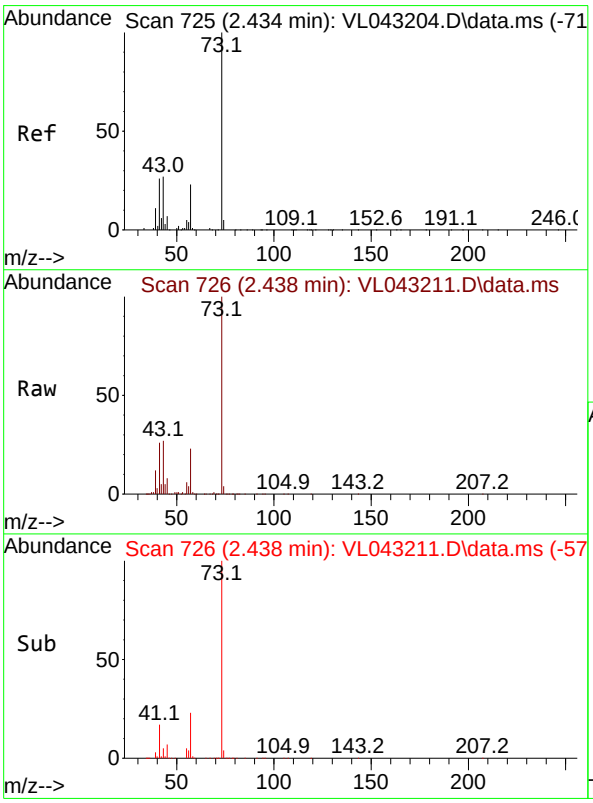
#27
Carbon Disulfide
Concen: 9.528 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 76 Resp: 125048

Ion	Ratio	Lower	Upper
76	100		
44	21.9	16.1	24.1
78	11.6	9.6	14.4

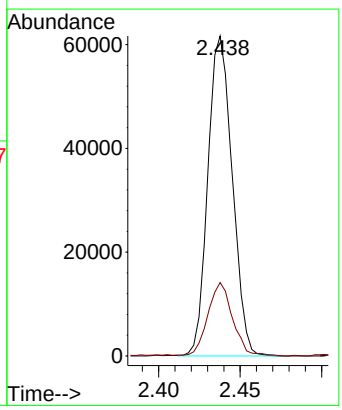


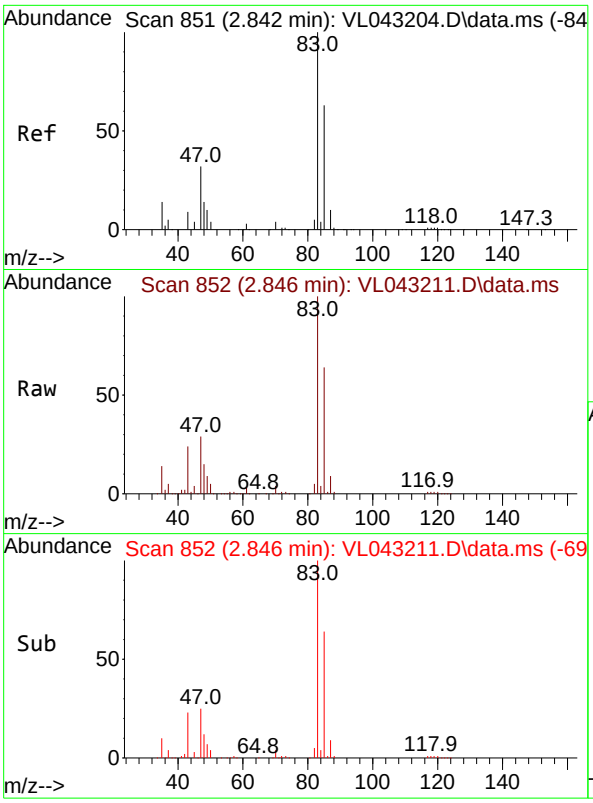


#28
Methyl tert-Butyl Ether
Concen: 10.171 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 73 Resp: 64183

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.8	29.8



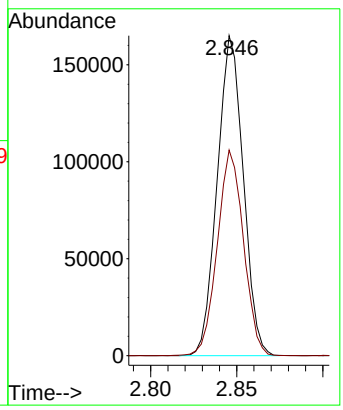


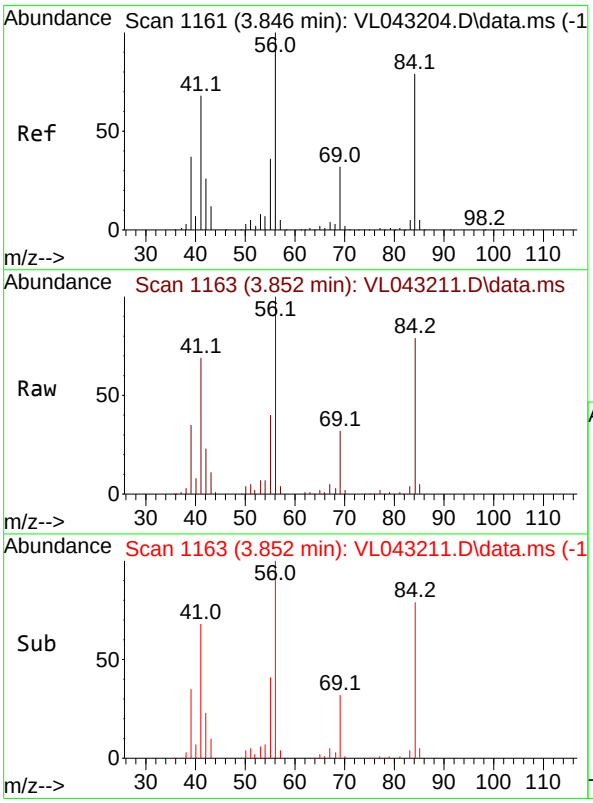
#29
Chloroform
Concen: 9.521 ppbv
RT: 2.846 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 83 Resp: 173977

Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.5	75.7

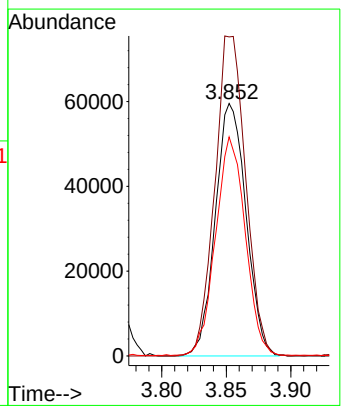


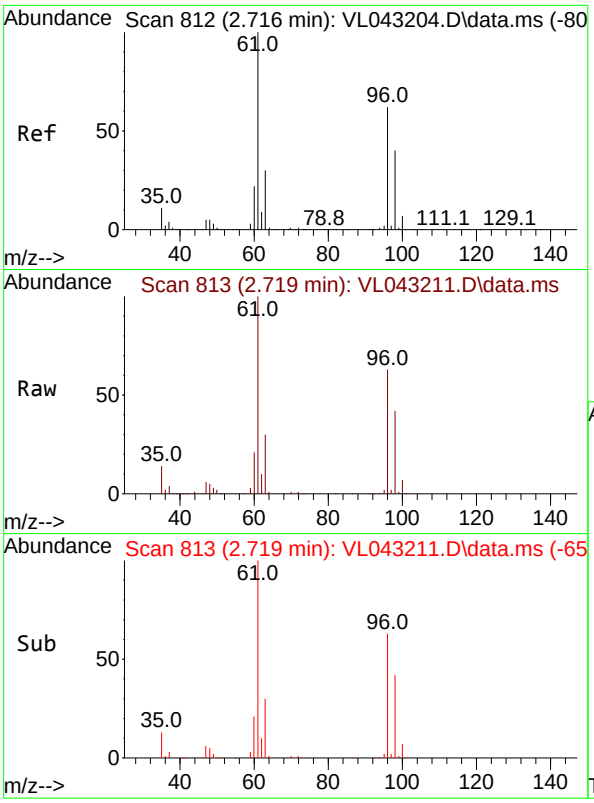


#30
Cyclohexane
Concen: 9.148 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 84 Resp: 98598

Ion	Ratio	Lower	Upper
84	100		
56	127.4	104.7	157.1
41	84.5	69.0	103.6



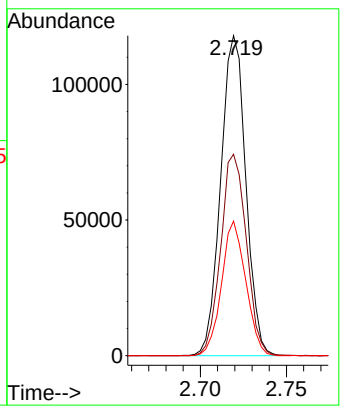


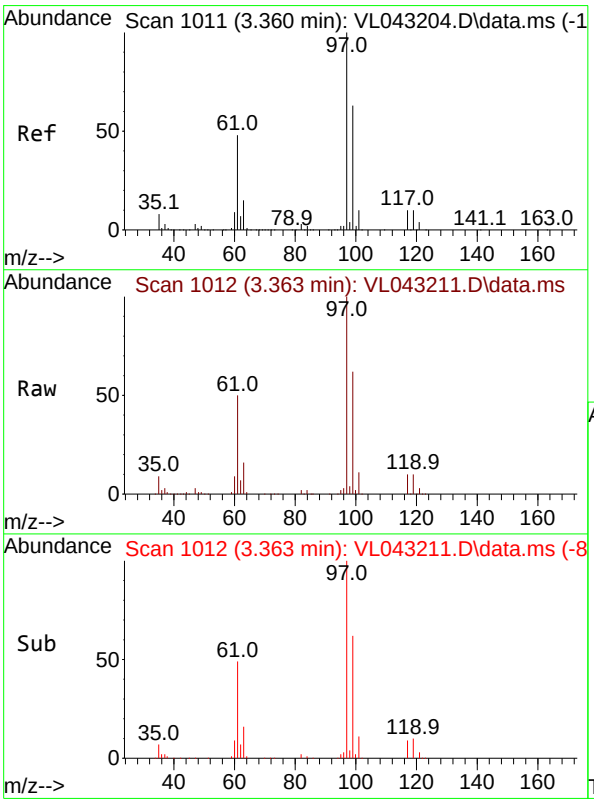
#31
cis-1,2-Dichloroethene
Concen: 9.379 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 61 Resp: 119843

Ion	Ratio	Lower	Upper
61	100		
96	62.9	49.3	73.9
98	42.0	32.1	48.1

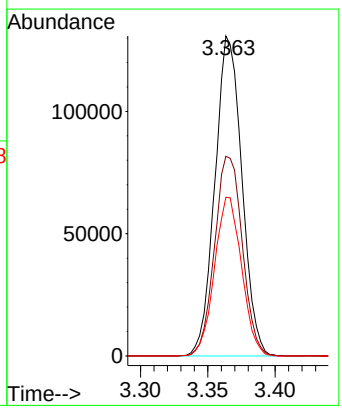


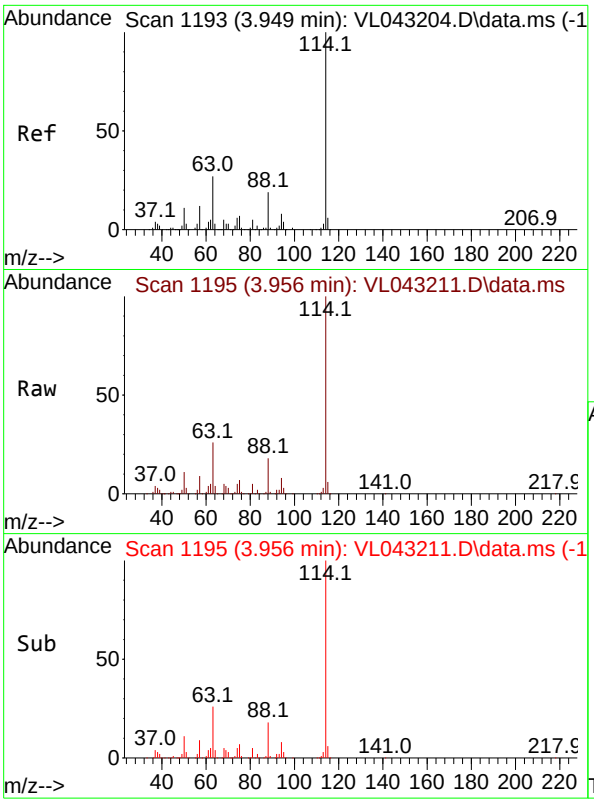


#32
1,1,1-Trichloroethane
Concen: 9.358 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 97 Resp: 182262

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.3	75.5
61	49.9	38.9	58.3



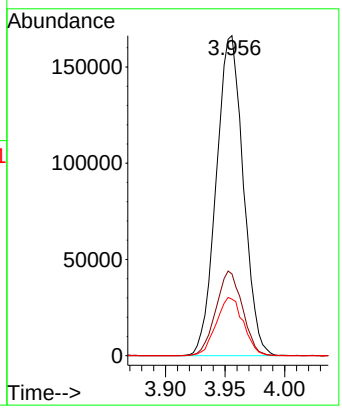


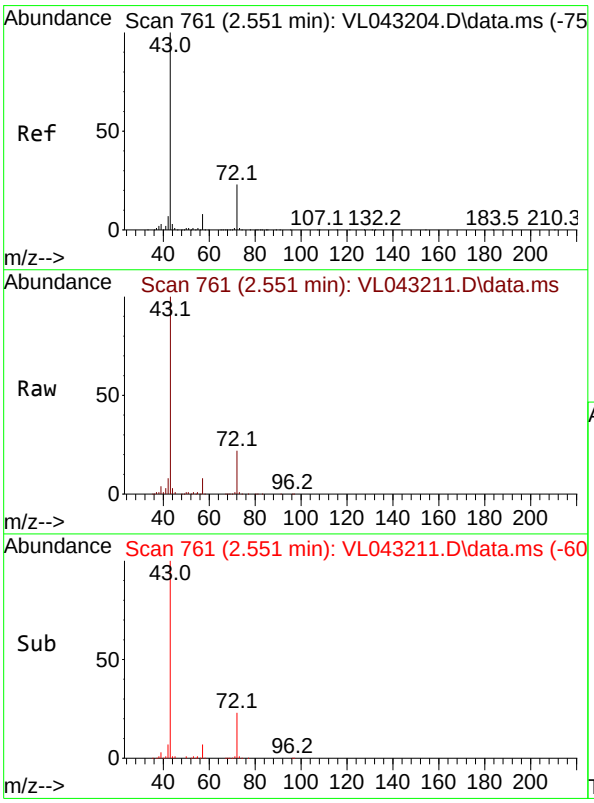
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:114 Resp: 261914

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.0	31.6
88	18.3	14.9	22.3

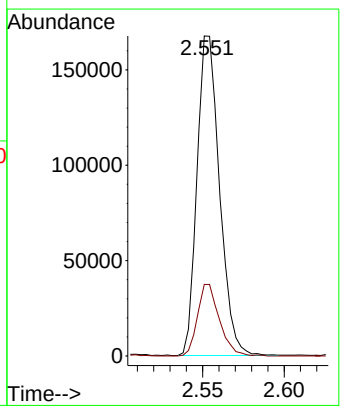


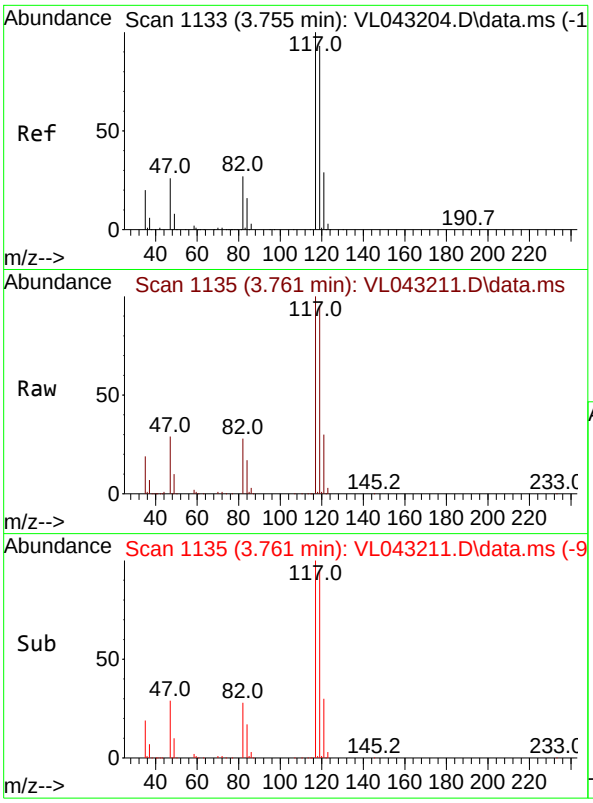


#34
2-Butanone
Concen: 8.707 ppbv
RT: 2.551 min Scan# 761
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 160977

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.1	27.1



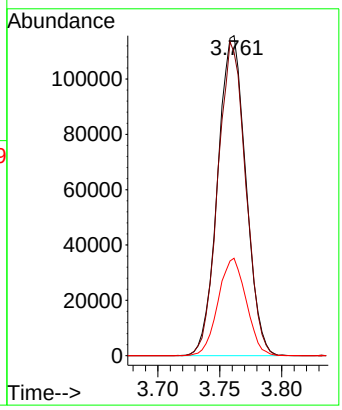


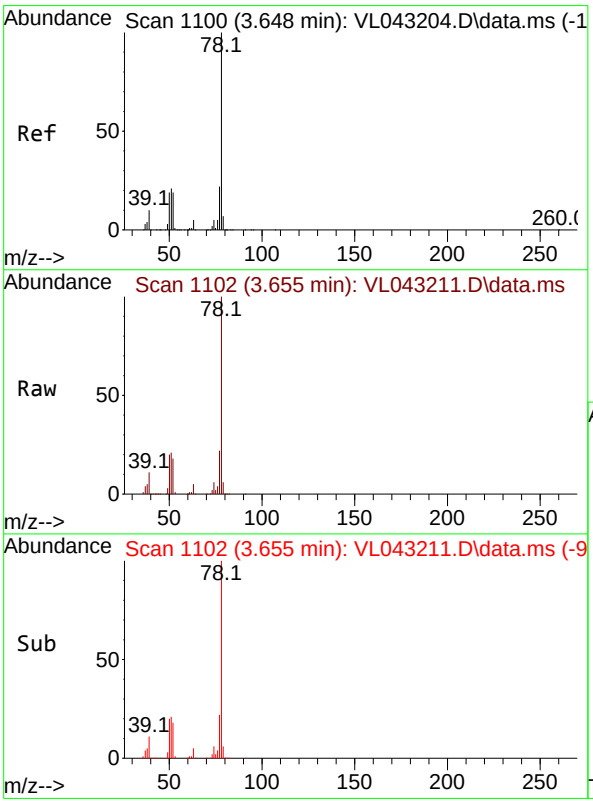
#35
Carbon Tetrachloride
Concen: 9.200 ppbv
RT: 3.761 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:117 Resp: 182902

Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	112.0
121	30.4	23.2	34.8

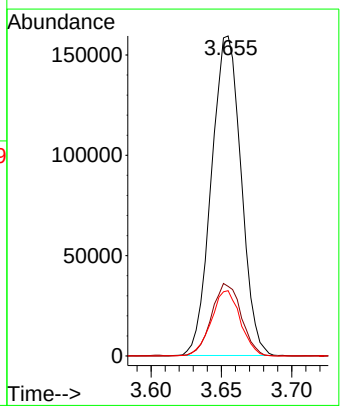


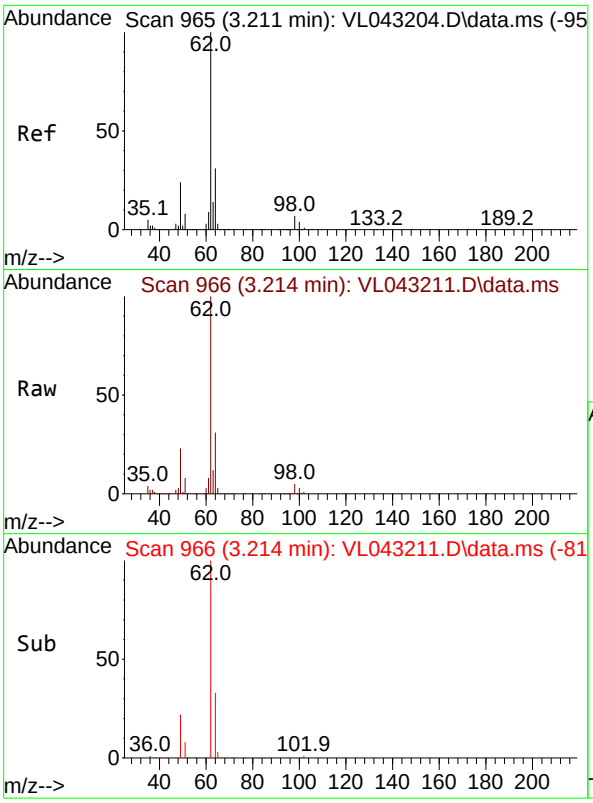


#36
Benzene
Concen: 9.293 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 78 Resp: 233094

Ion	Ratio	Lower	Upper
78	100		
77	21.8	17.5	26.3
50	20.4	15.5	23.3



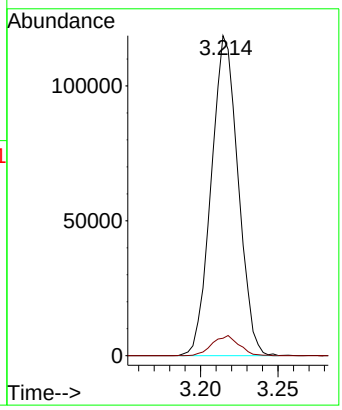


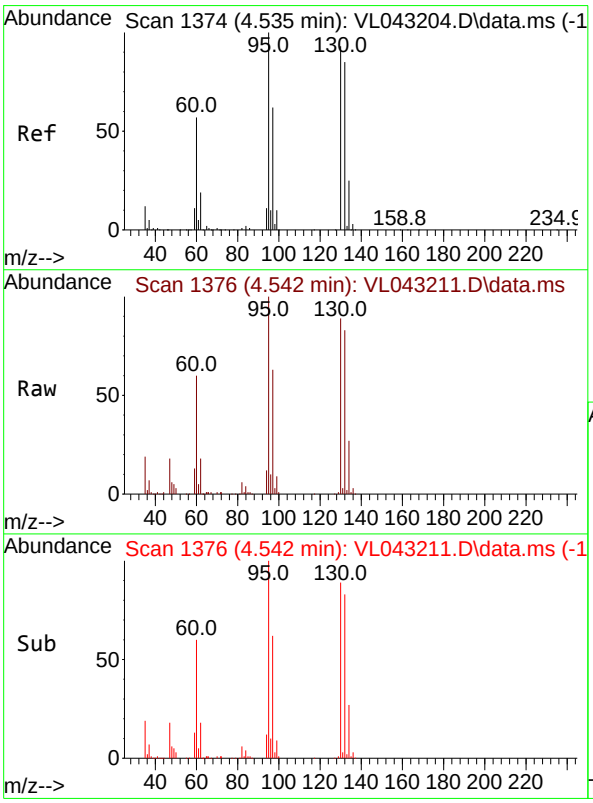
#37
1,2-Dichloroethane
Concen: 9.772 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 62 Resp: 143363

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.5	8.3

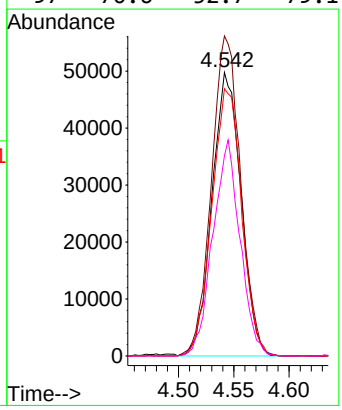


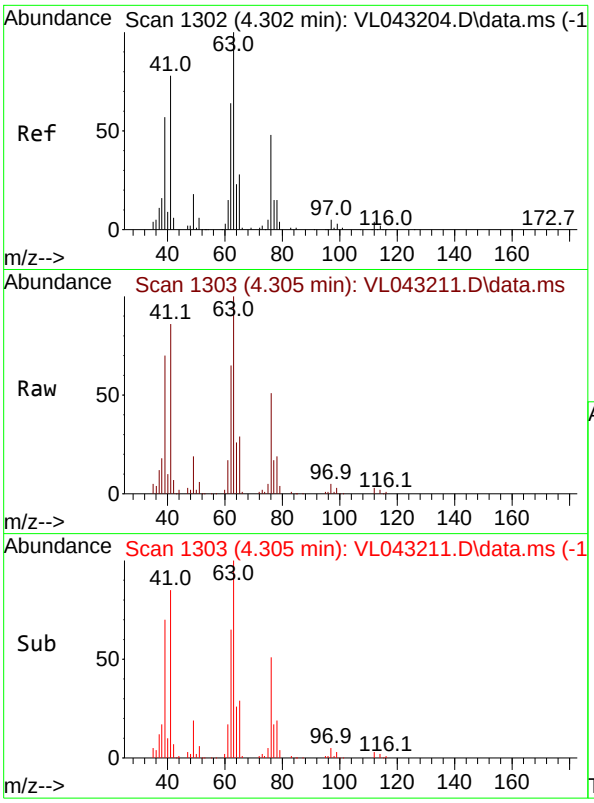


#38
Trichloroethene
Concen: 9.272 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:130 Resp: 90993

Ion	Ratio	Lower	Upper
130	100		
95	112.7	85.7	128.5
132	94.1	73.4	110.0
97	70.6	52.7	79.1



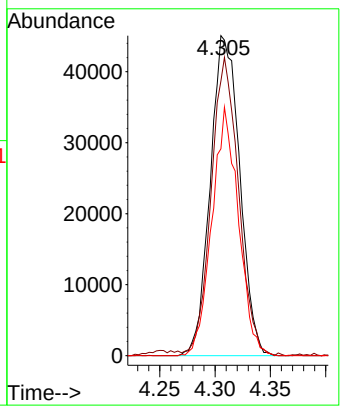


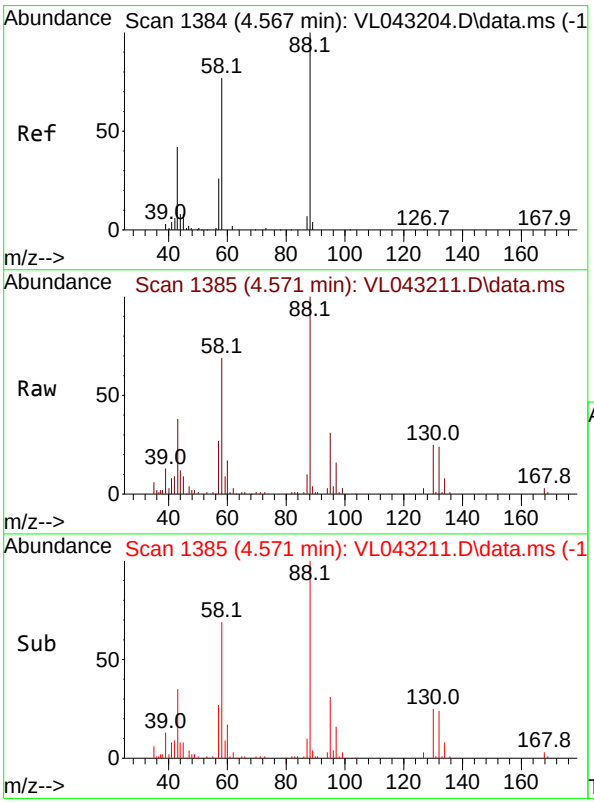
#39
1,2-Dichloropropane
Concen: 9.086 ppbv
RT: 4.305 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 63 Resp: 83416

Ion	Ratio	Lower	Upper
63	100		
41	85.0	62.6	93.8
62	64.6	51.0	76.6

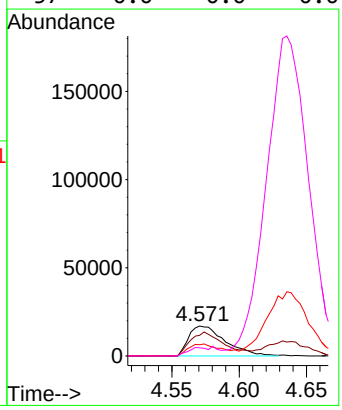


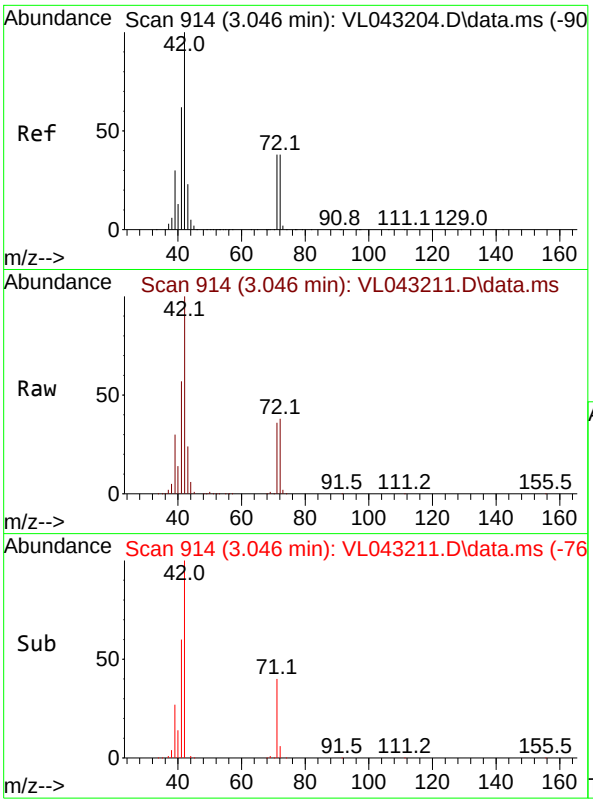


#40
1,4-Dioxane
Concen: 7.780 ppbv
RT: 4.571 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 88 Resp: 32109

Ion	Ratio	Lower	Upper
88	100		
58	74.8	63.0	94.6
43	37.4	32.5	48.7
57	0.0	0.0	0.0



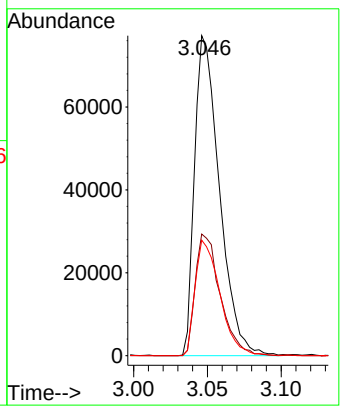


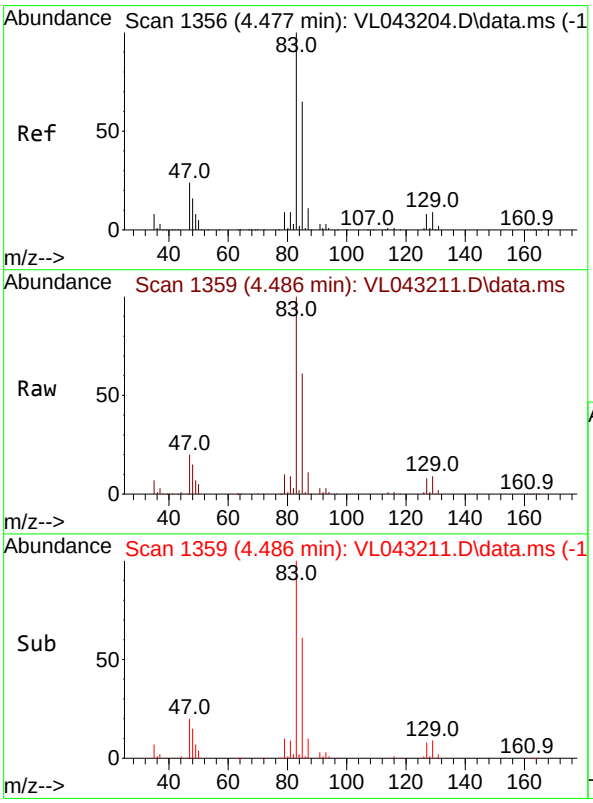
#41
Tetrahydrofuran
Concen: 8.891 ppbv
RT: 3.046 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 42 Resp: 90769

Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.6	46.0
71	36.1	30.5	45.7

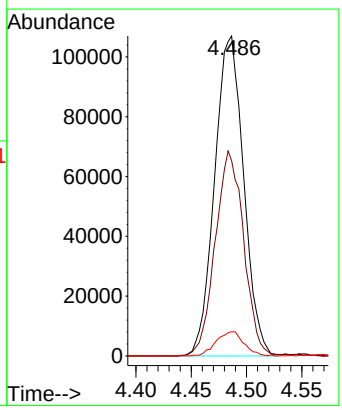


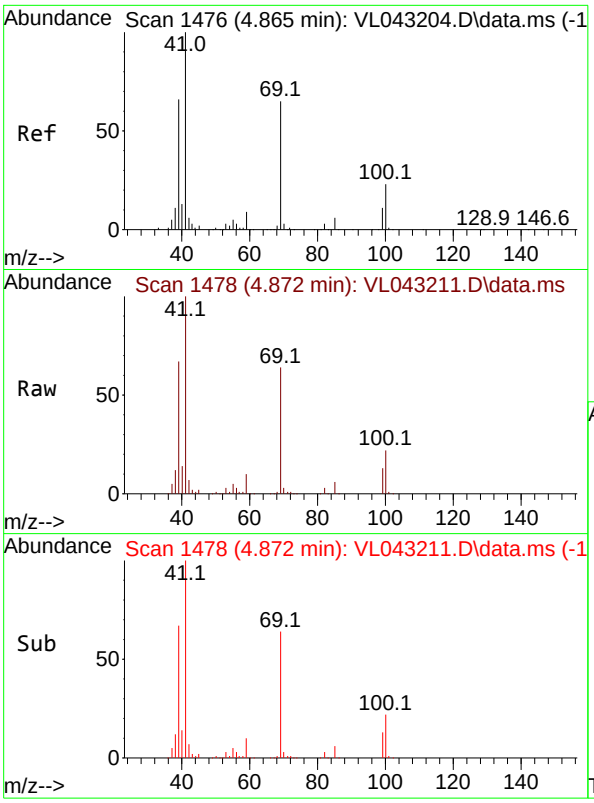


#42
Bromodichloromethane
Concen: 9.657 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 83 Resp: 195442

Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.7	77.5
127	7.6	6.3	9.5



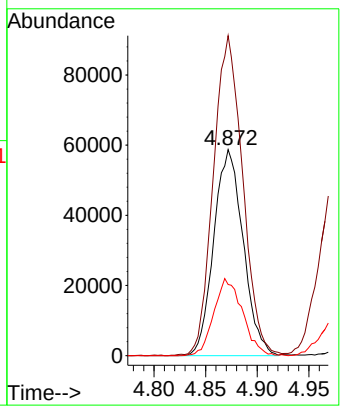


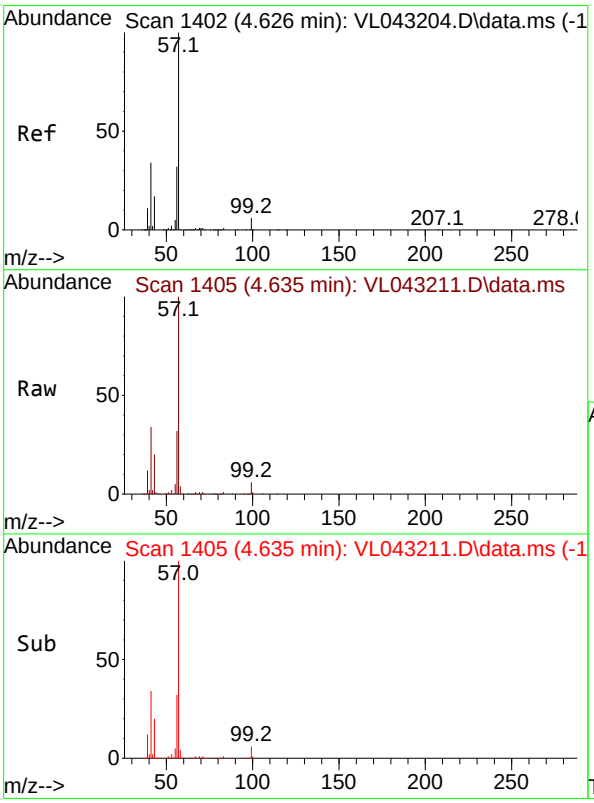
#43
Methyl Methacrylate
Concen: 8.737 ppbv
RT: 4.872 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 69 Resp: 116325

Ion	Ratio	Lower	Upper
69	100		
41	155.2	126.7	190.1
100	36.5	28.6	43.0

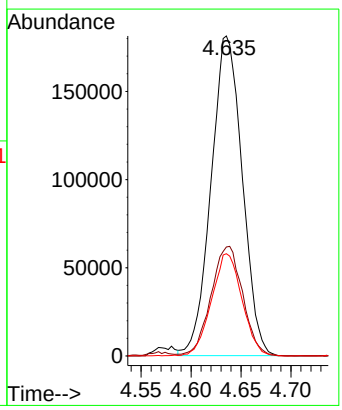


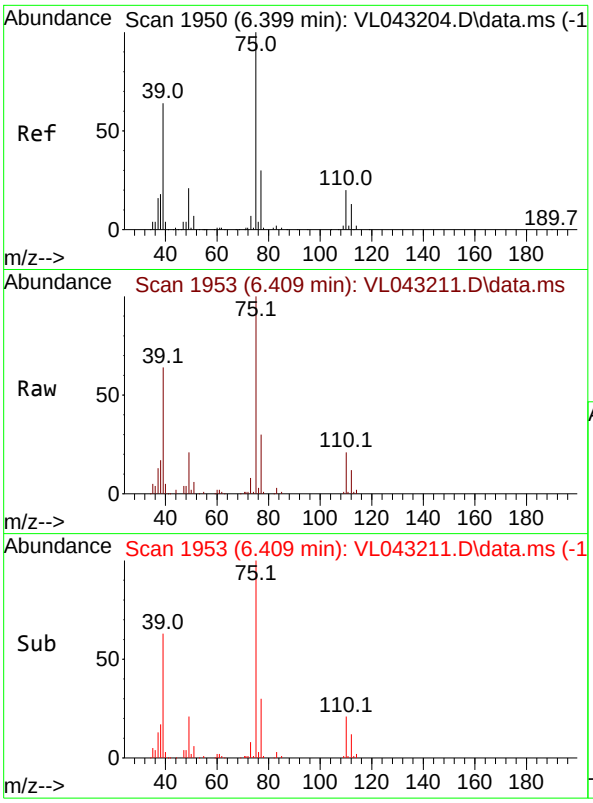


#44
2,2,4-Trimethylpentane
Concen: 9.133 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 57 Resp: 393438

Ion	Ratio	Lower	Upper
57	100		
41	35.8	28.0	42.0
56	31.5	25.6	38.4



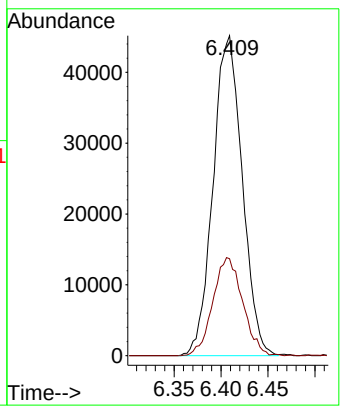


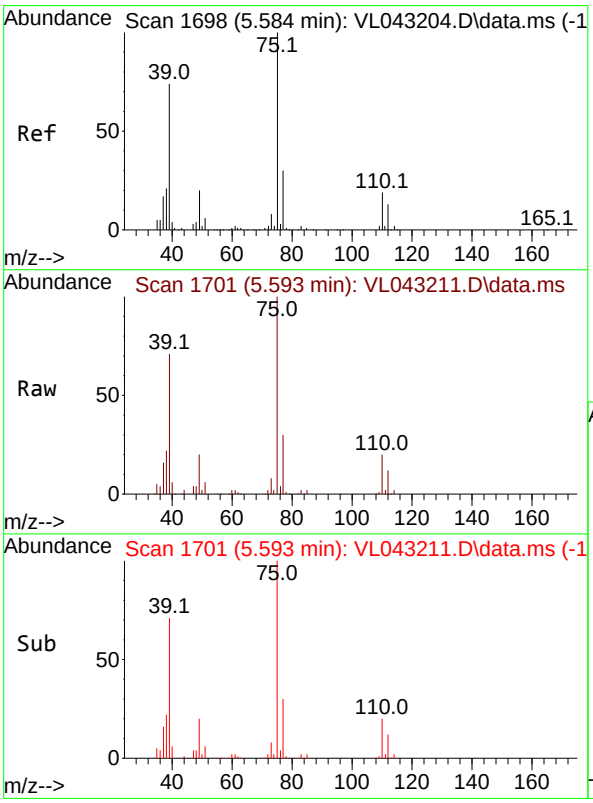
#45
t-1,3-Dichloropropene
Concen: 7.863 ppbv
RT: 6.409 min Scan# 1
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 75 Resp: 97587

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.3	36.5

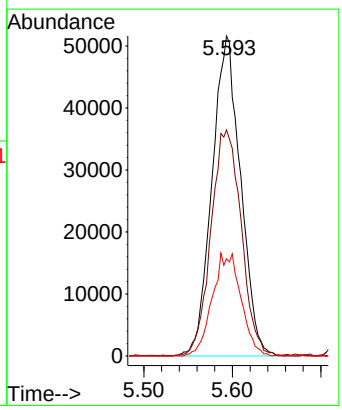


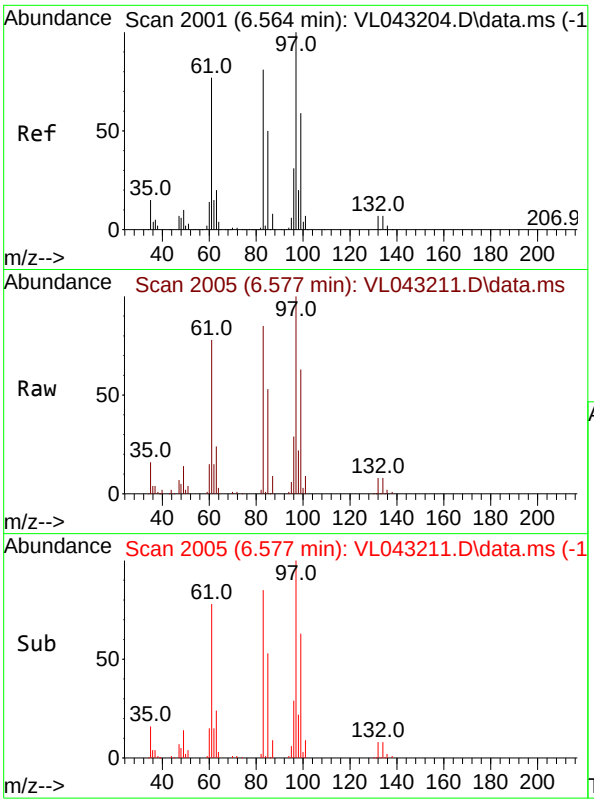


#46
cis-1,3-Dichloropropene
Concen: 7.924 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 75 Resp: 115476

Ion	Ratio	Lower	Upper
75	100		
39	70.4	59.1	88.7
77	30.4	24.2	36.2



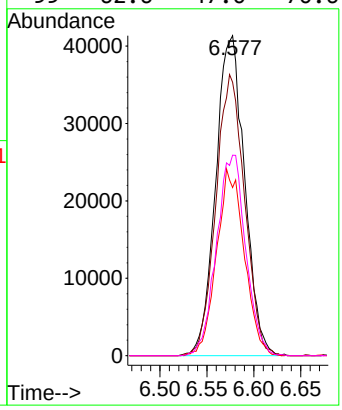


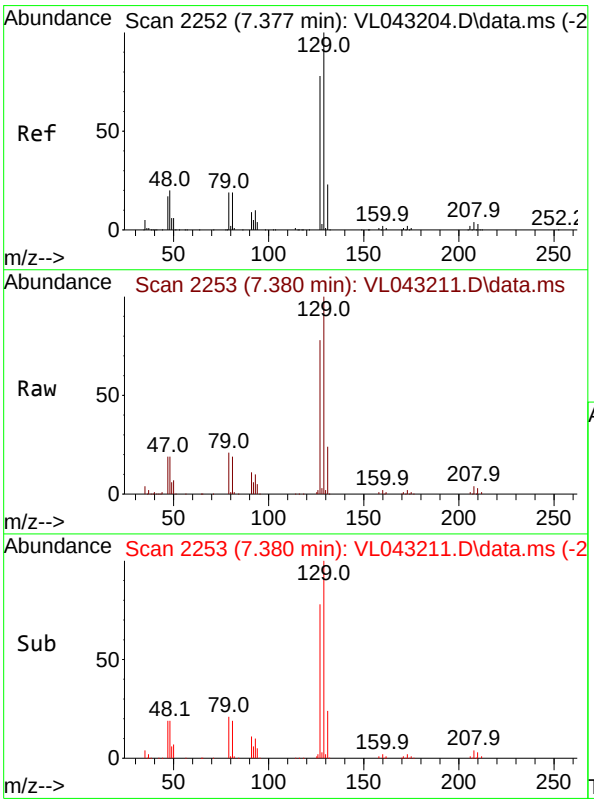
#47
1,1,2-Trichloroethane
Concen: 9.086 ppbv
RT: 6.577 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 97 Resp: 88525

Ion	Ratio	Lower	Upper
97	100		
83	85.4	64.6	97.0
85	52.6	39.4	59.2
99	62.6	47.0	70.6

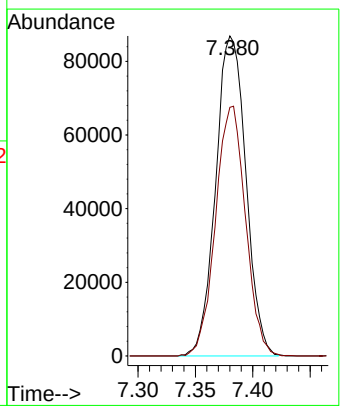


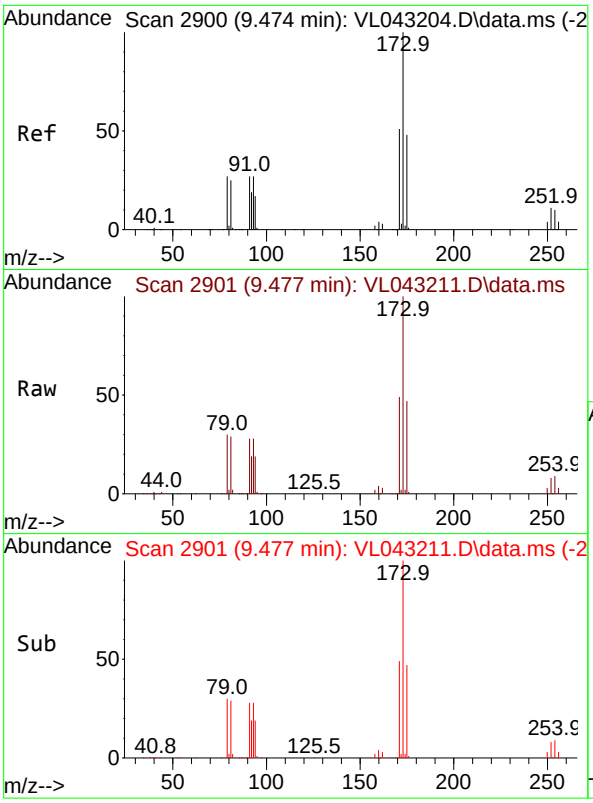


#48
Dibromochloromethane
Concen: 9.514 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:129 Resp: 159365

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.9



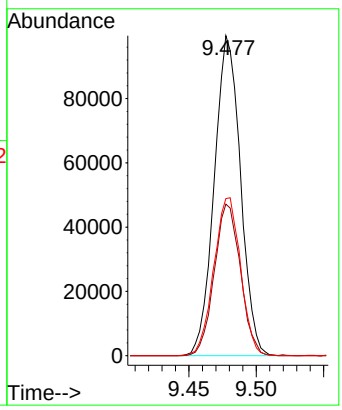


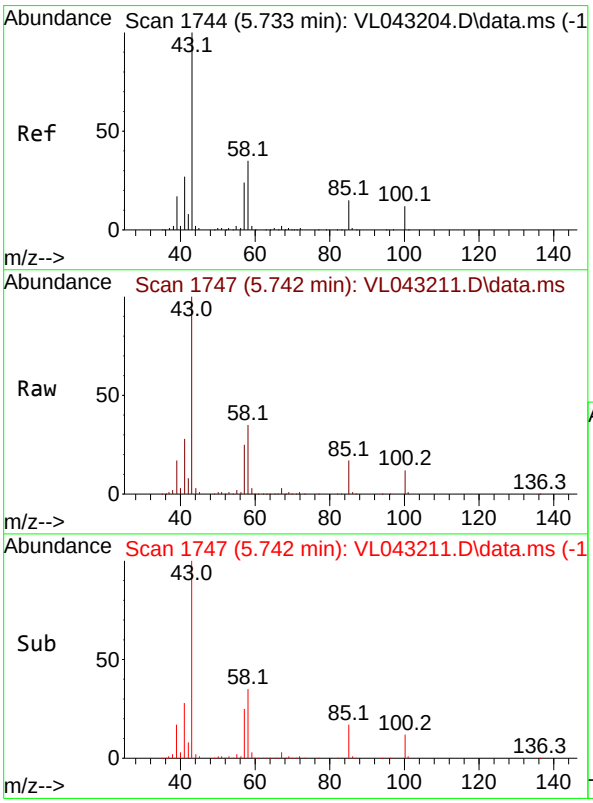
#49
Bromoform
Concen: 9.085 ppbv
RT: 9.477 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:173 Resp: 134790

Ion	Ratio	Lower	Upper
173	100		
175	47.2	38.6	58.0
171	50.2	40.6	61.0

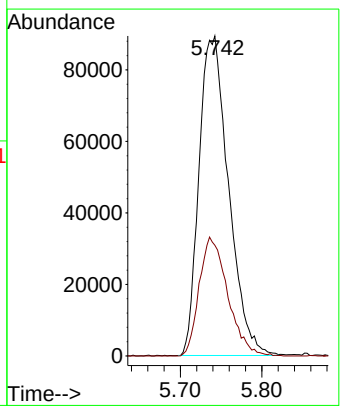


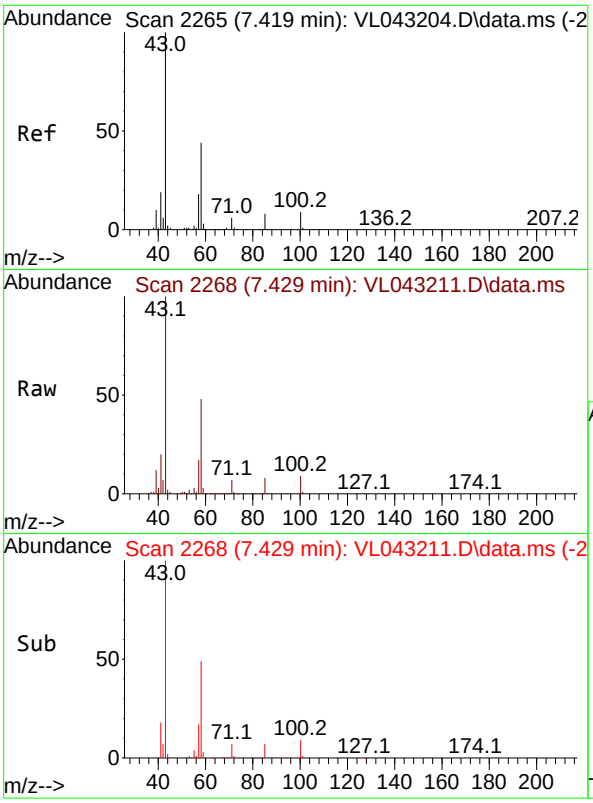


#50
4-Methyl-2-Pentanone
Concen: 8.631 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 43 Resp: 224791

Ion	Ratio	Lower	Upper
43	100		
58	36.0	28.4	42.6



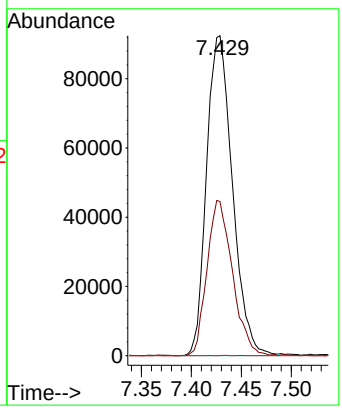


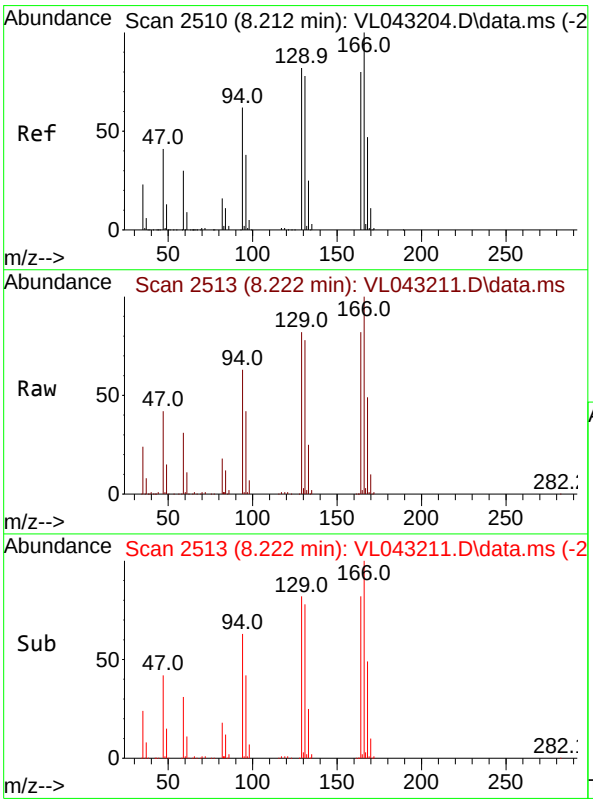
#51
2-Hexanone
Concen: 8.233 ppbv
RT: 7.429 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 43 Resp: 166506

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.4	57.6
98	0.0	0.0	0.0#

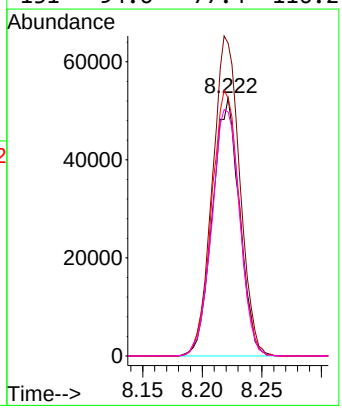


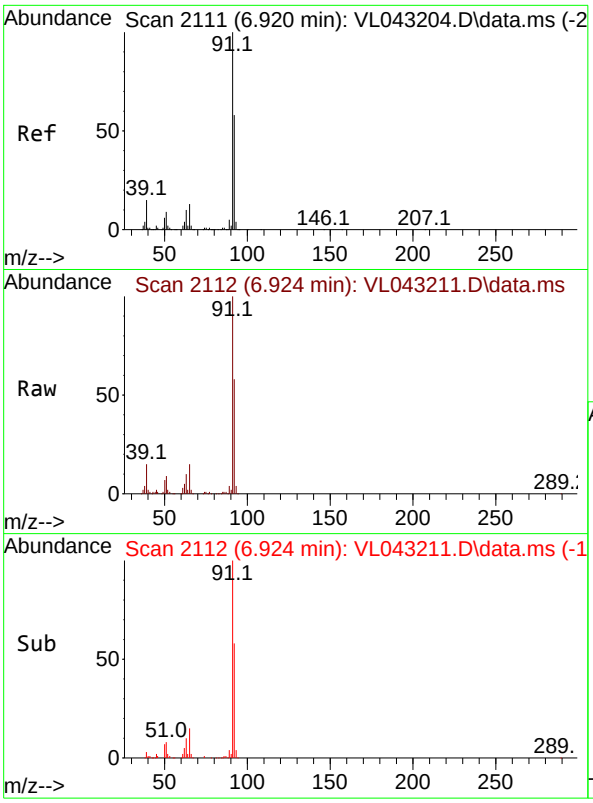


#52
Tetrachloroethene
Concen: 8.884 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:164 Resp: 82890

Ion	Ratio	Lower	Upper
164	100		
166	121.3	99.4	149.2
129	100.1	81.8	122.8
131	94.6	77.4	116.2



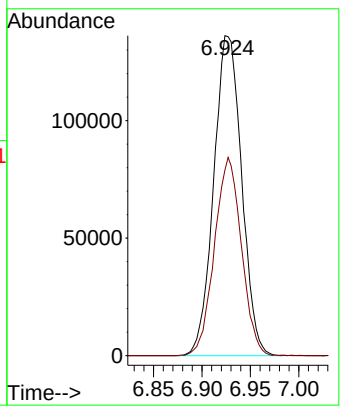


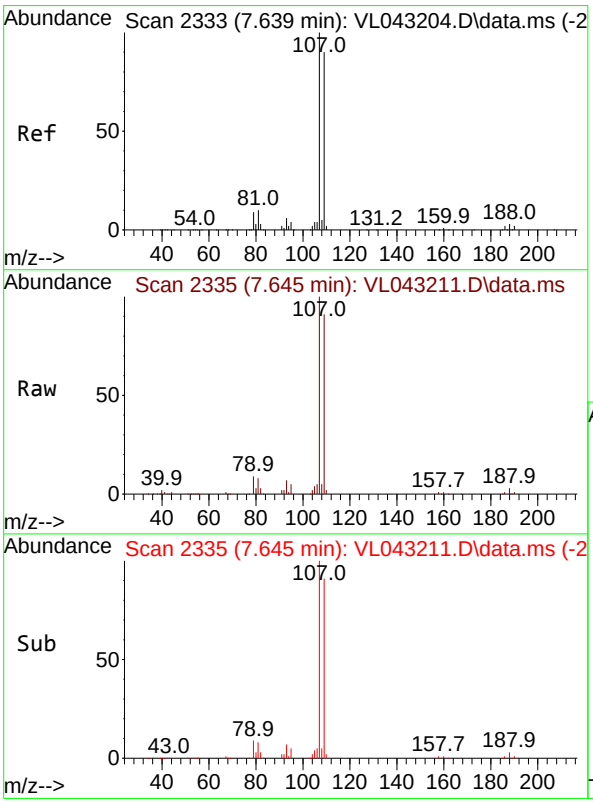
#53
Toluene
Concen: 9.197 ppbv
RT: 6.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 91 Resp: 273172

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.4	71.0

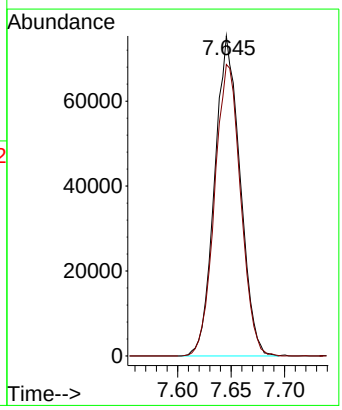


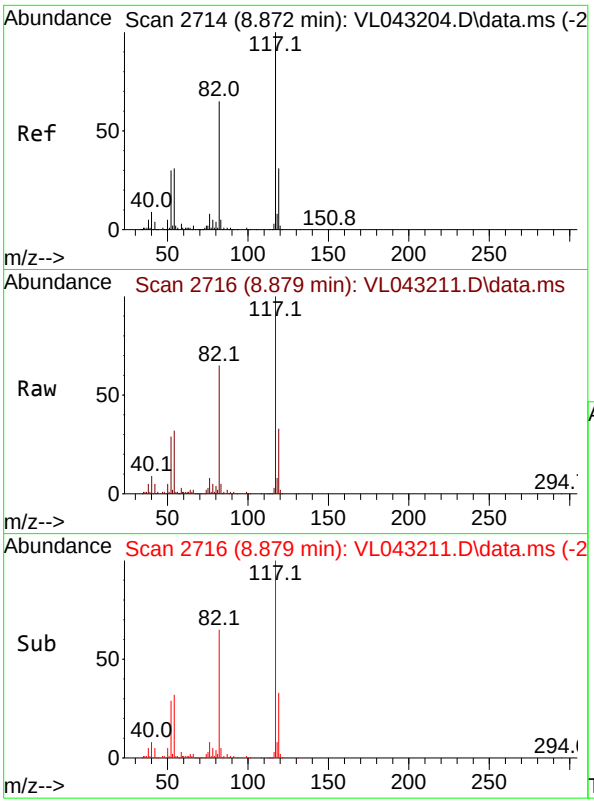


#54
1,2-Dibromoethane
Concen: 8.705 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:107 Resp: 124804

Ion	Ratio	Lower	Upper
107	100		
109	91.1	72.1	108.1



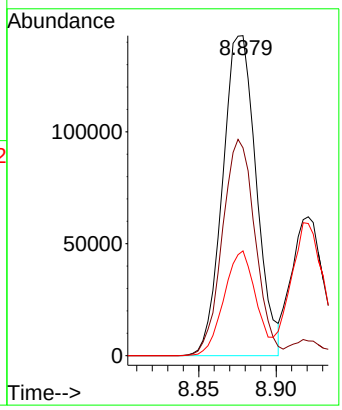


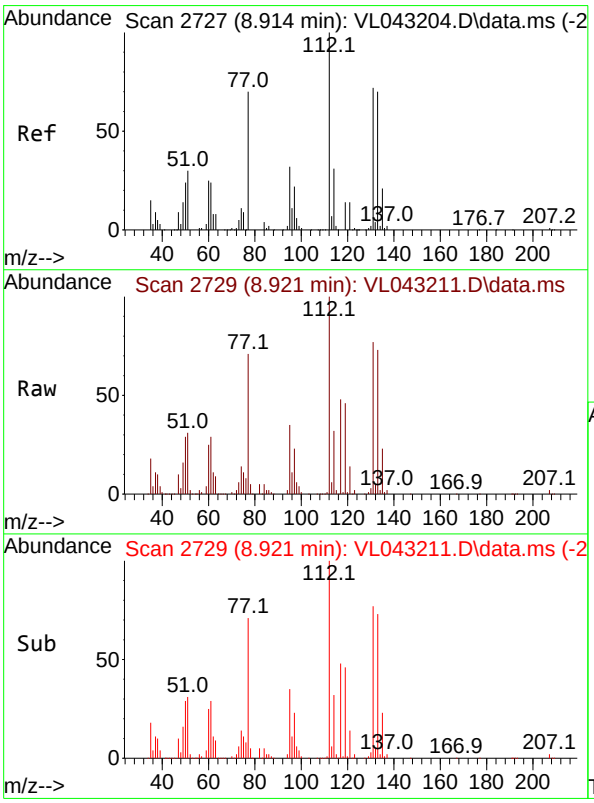
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:117 Resp: 216212

Ion	Ratio	Lower	Upper
117	100		
82	70.6	56.1	84.1
119	32.3	25.0	37.6

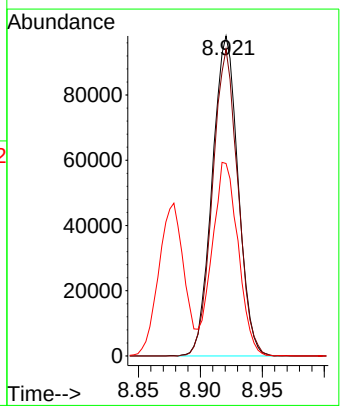


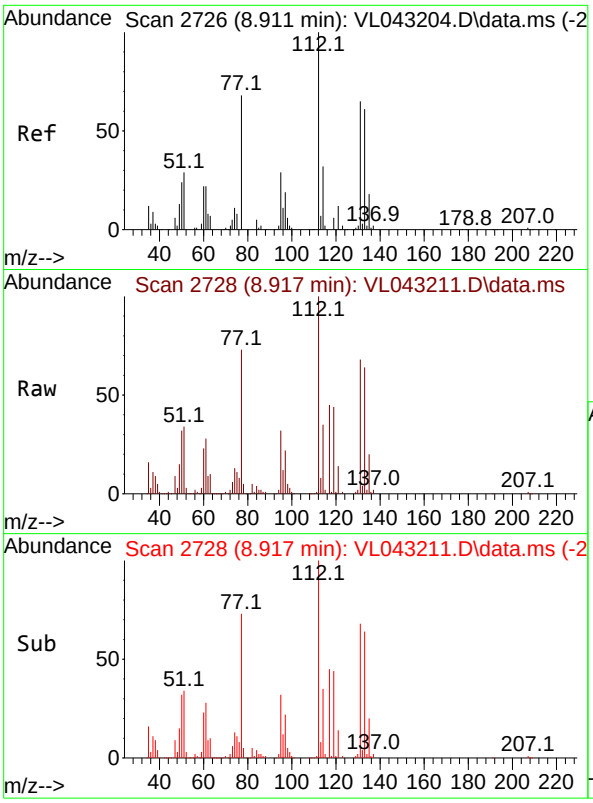


#56
1,1,1,2-Tetrachloroethane
Concen: 8.969 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:131 Resp: 142512

Ion	Ratio	Lower	Upper
131	100		
133	94.3	77.4	116.2
119	61.9	49.1	73.7



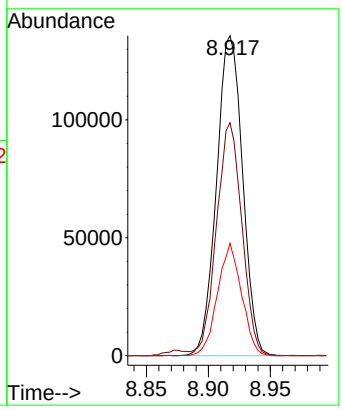


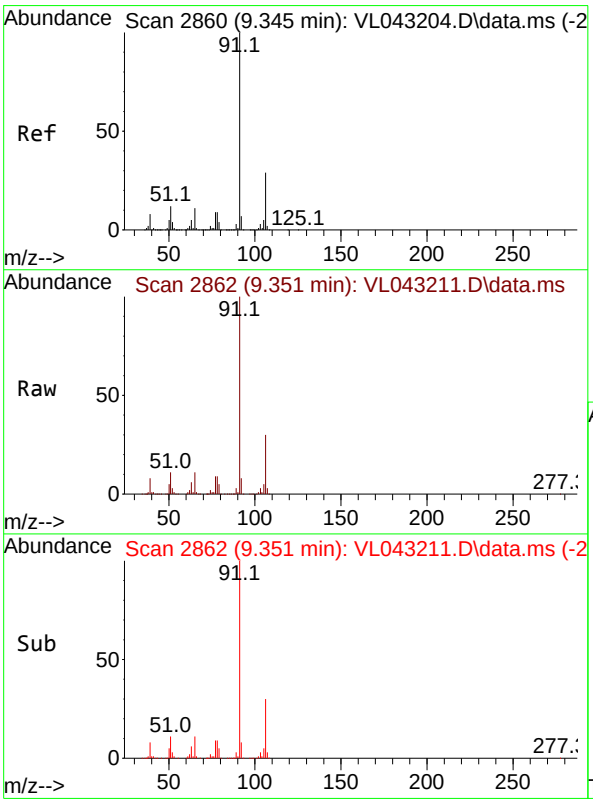
#57
Chlorobenzene
Concen: 8.981 ppbv
RT: 8.917 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:112 Resp: 199373

Ion	Ratio	Lower	Upper
112	100		
77	72.7	55.5	83.3
114	35.1	29.1	35.5

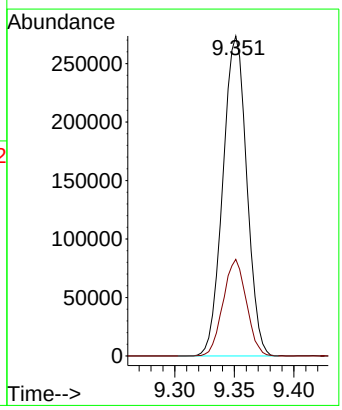


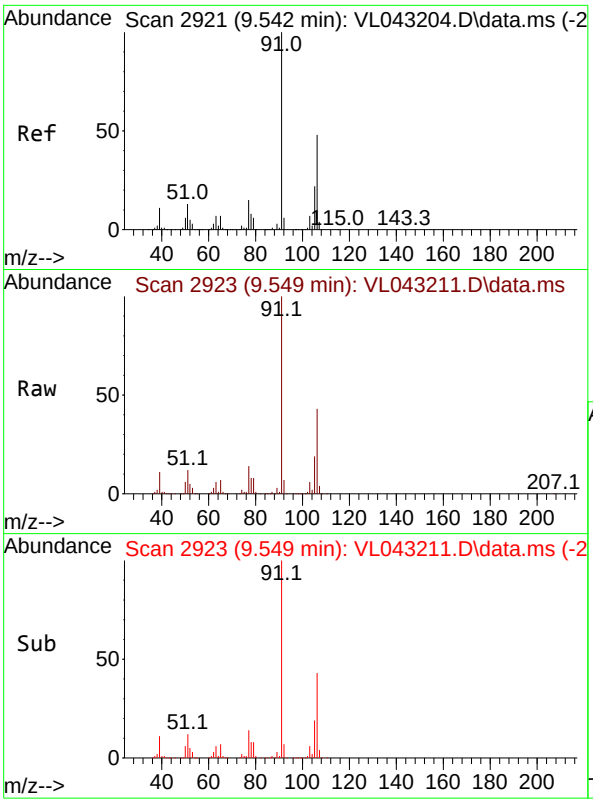


#58
Ethyl Benzene
Concen: 9.167 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 381474

Ion	Ratio	Lower	Upper
91	100		
106	30.2	22.8	34.2



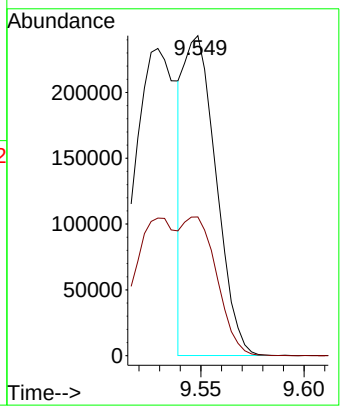


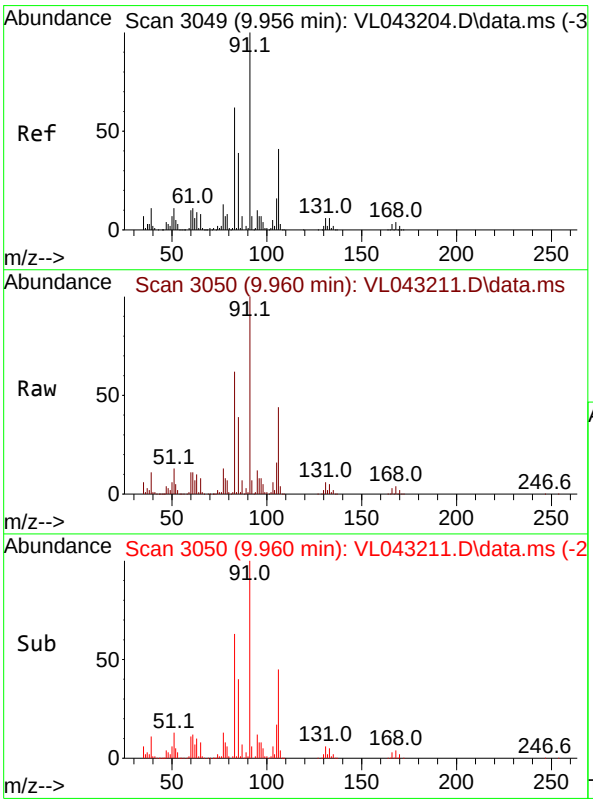
#59
m/p-Xylene
Concen: 7.957 ppbv
RT: 9.549 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 91 Resp: 265475

Ion	Ratio	Lower	Upper
91	100		
106	102.0	36.1	54.1#

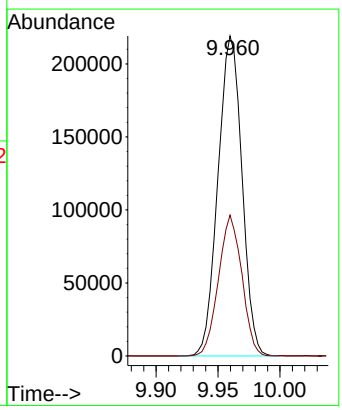


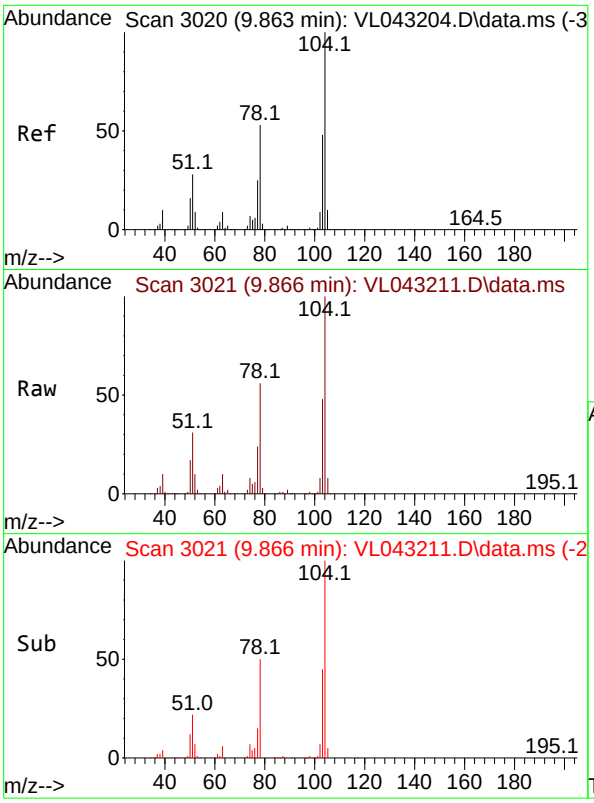


#60
o-Xylene
Concen: 8.876 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 295836

Ion	Ratio	Lower	Upper
91	100		
106	42.8	20.9	62.8



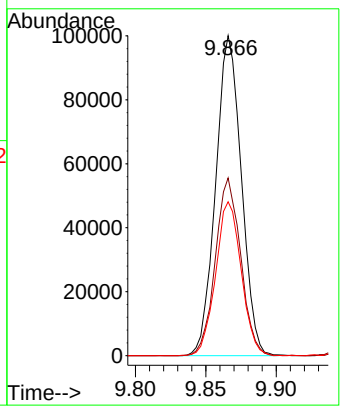


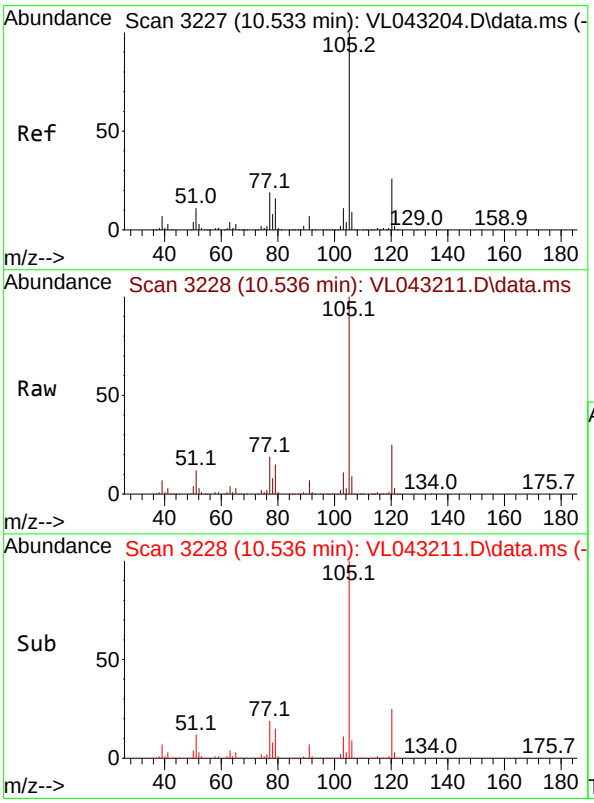
#61
Styrene
Concen: 8.714 ppbv
RT: 9.866 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:104 Resp: 127117

Ion	Ratio	Lower	Upper
104	100		
78	54.7	42.1	63.1
103	48.0	37.2	55.8

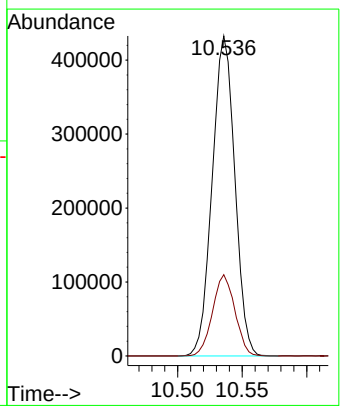


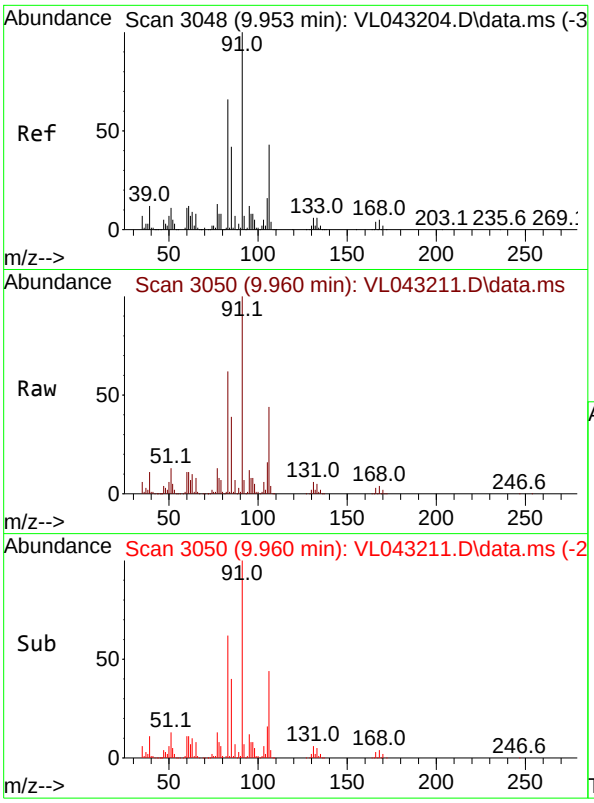


#62
Isopropylbenzene
Concen: 8.816 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 525717

Ion	Ratio	Lower	Upper
105	100		
120	25.1	19.8	29.8



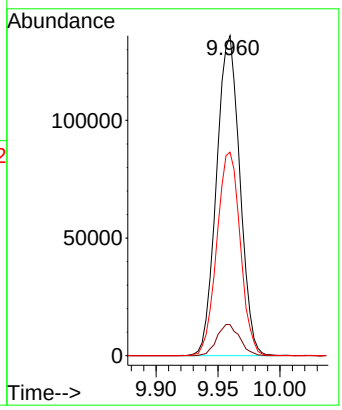


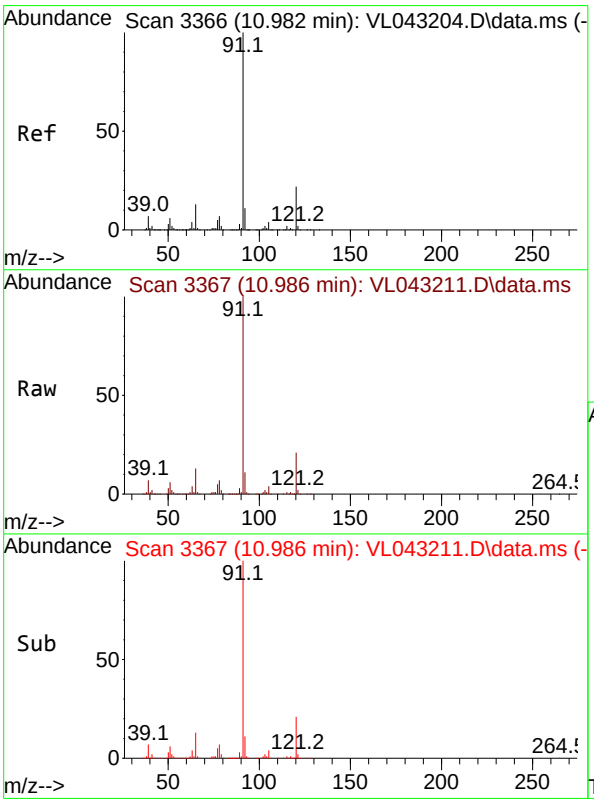
#63
1,1,2,2-Tetrachloroethane
Concen: 8.421 ppbv
RT: 9.960 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 83 Resp: 178591

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.9	31.9	95.9

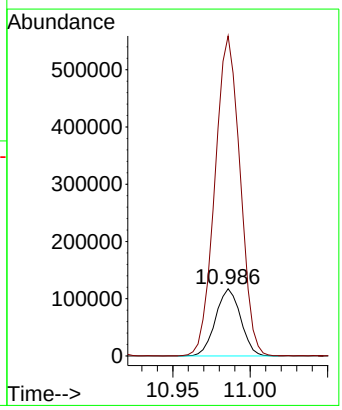


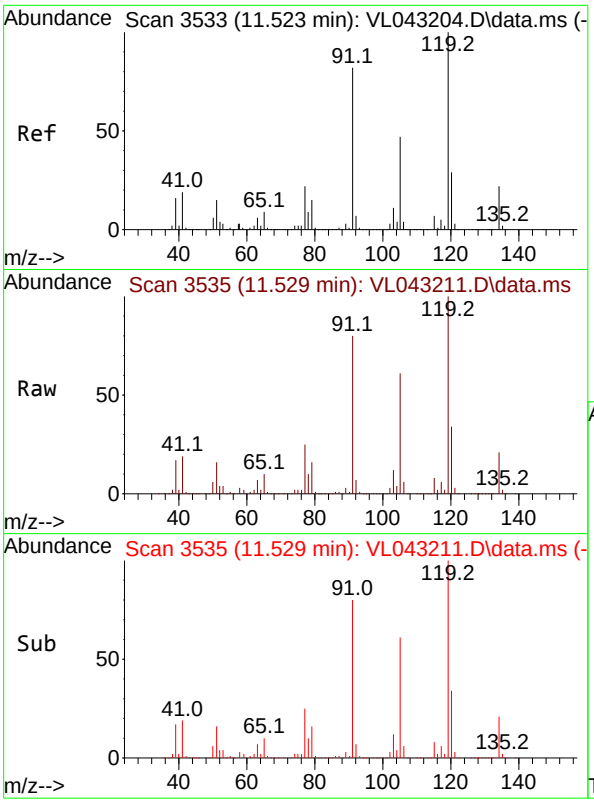


#64
n-propylbenzene
Concen: 8.591 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:120 Resp: 131634

Ion	Ratio	Lower	Upper
120	100		
91	482.2	377.1	565.7



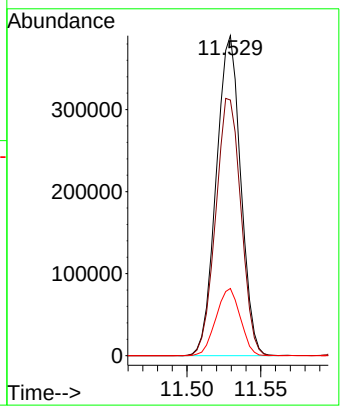


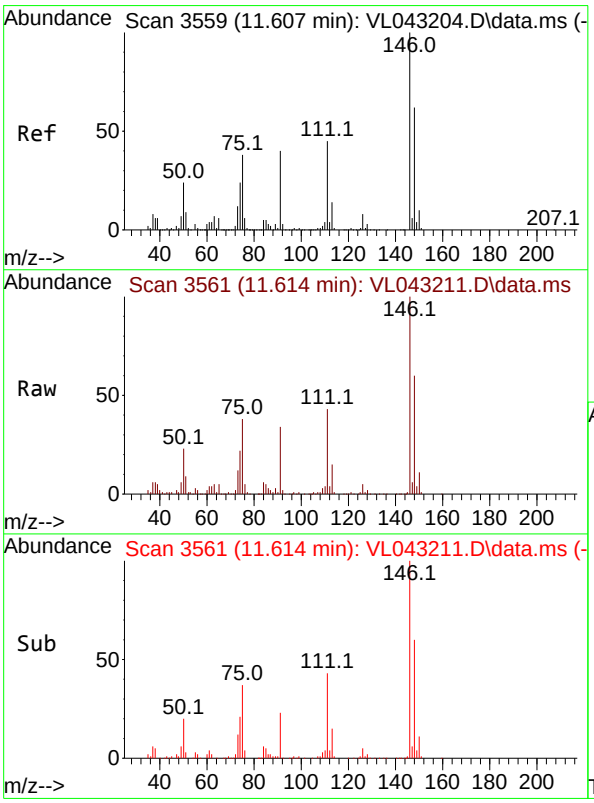
#65
tert-Butylbenzene
Concen: 8.465 ppbv
RT: 11.529 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:119 Resp: 450819

Ion	Ratio	Lower	Upper
119	100		
91	83.0	65.3	97.9
134	20.8	17.0	25.4

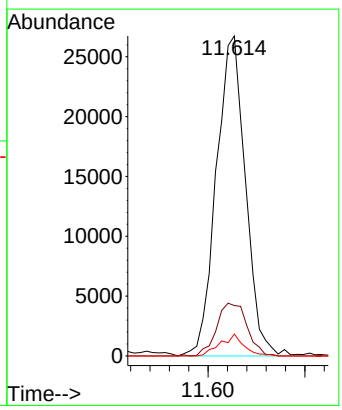


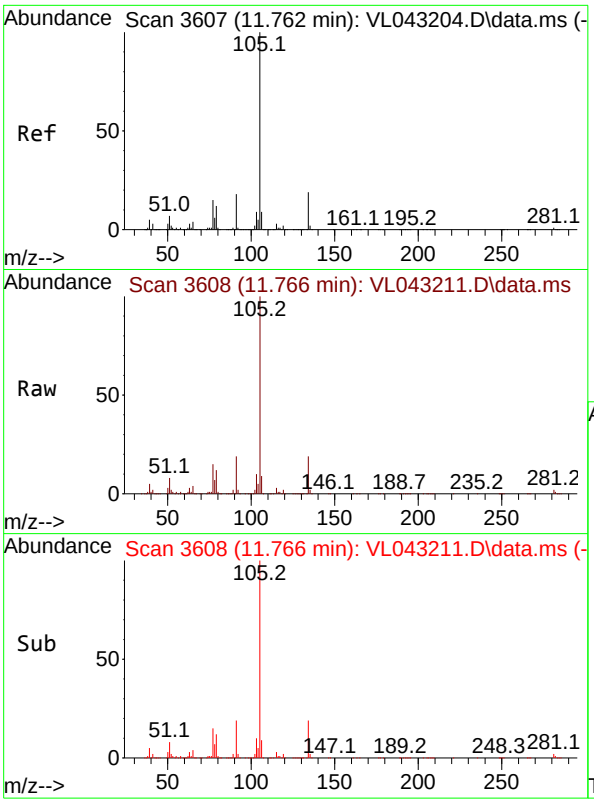


#66
Benzyl Chloride
Concen: 5.159 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 27878

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.4	21.6
128	5.6	4.6	6.8



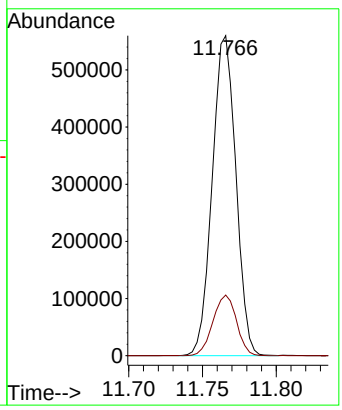


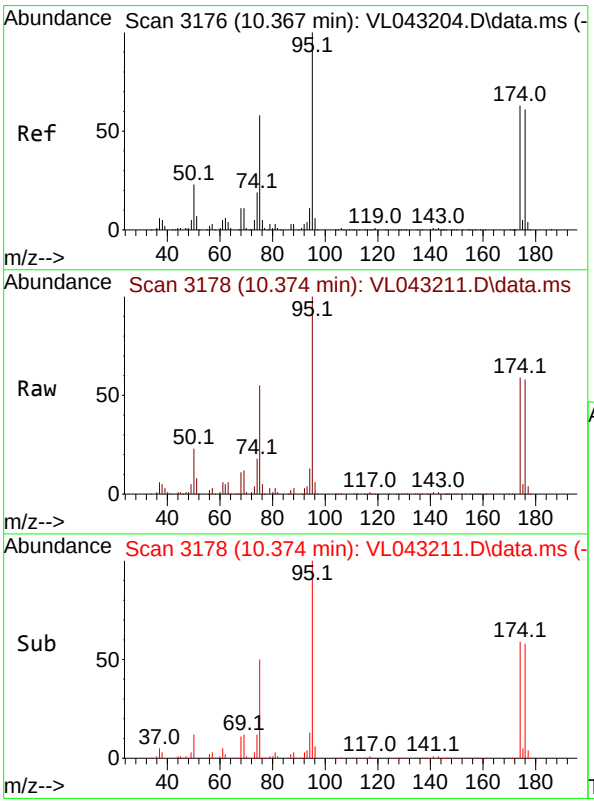
#67
sec-Butylbenzene
Concen: 8.388 ppbv
RT: 11.766 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:105 Resp: 623520

Ion	Ratio	Lower	Upper
105	100		
134	19.0	15.0	22.6

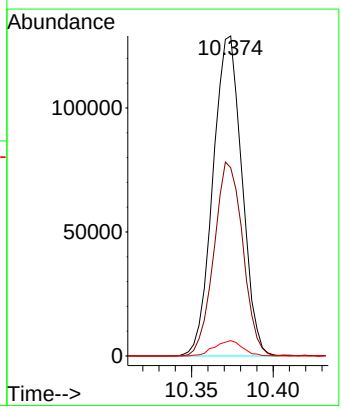


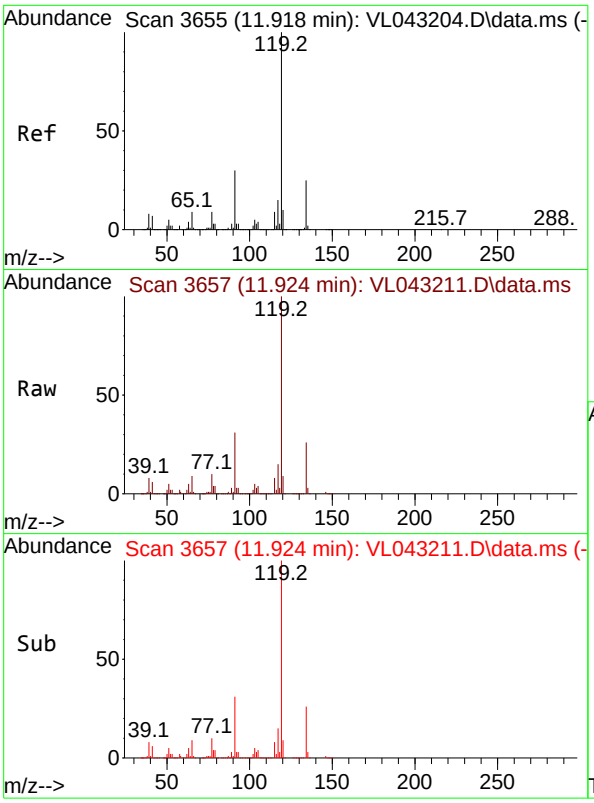


#68
1-Bromo-4-Fluorobenzene
Concen: 10.048 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 95 Resp: 159242

Ion	Ratio	Lower	Upper
95	100		
174	60.4	50.2	75.2
175	4.7	4.1	6.1



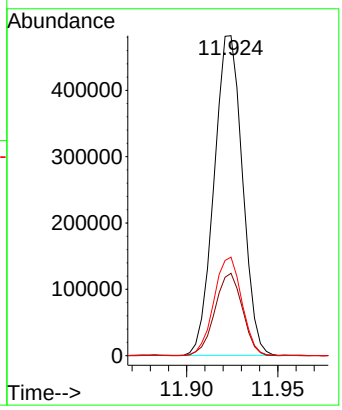


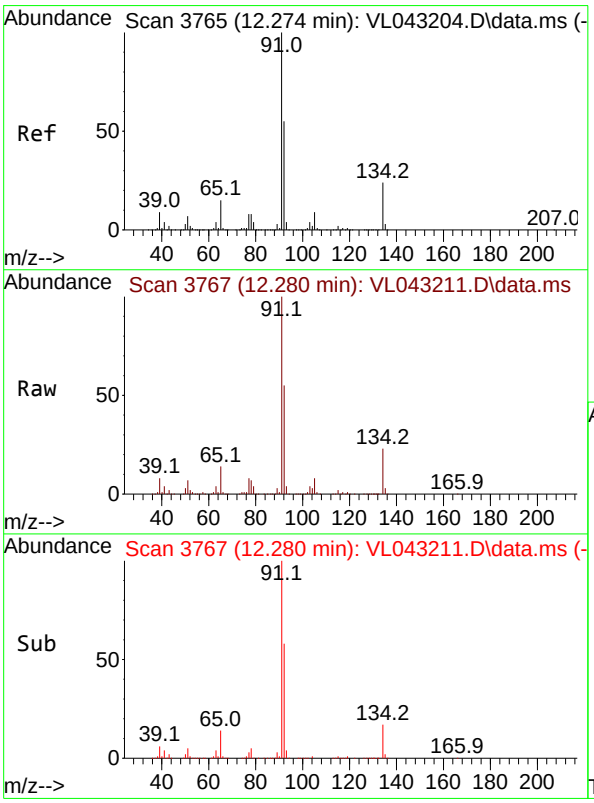
#69
p-Isopropyltoluene
Concen: 8.272 ppbv
RT: 11.924 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:119 Resp: 520880

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	30.6	23.8	35.8

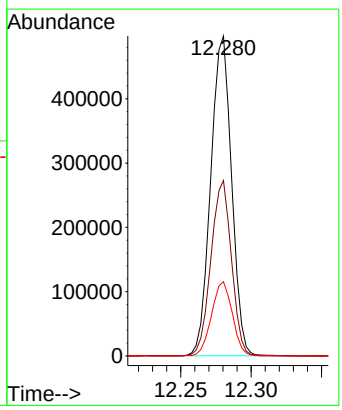


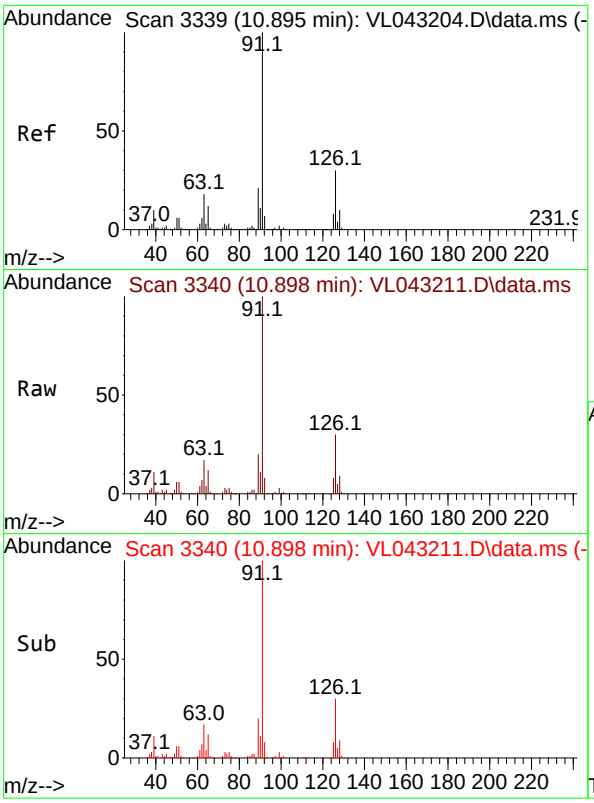


#70
n-Butylbenzene
Concen: 8.398 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.006 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion: 91 Resp: 513027

Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.5	65.3
134	23.1	19.0	28.6



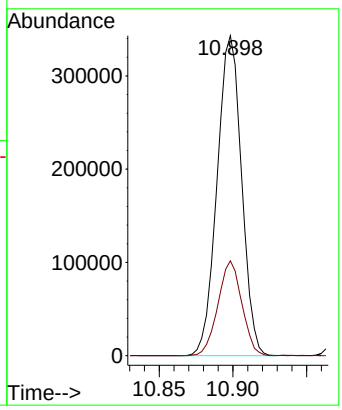


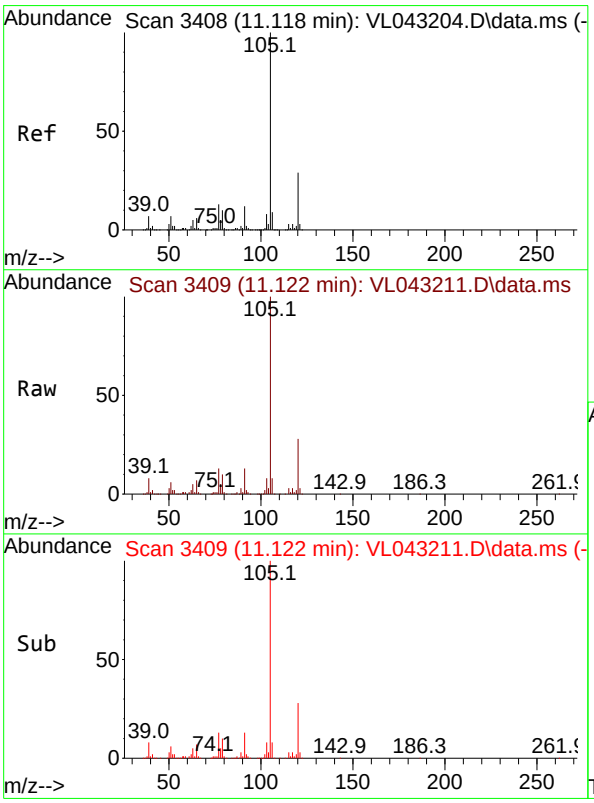
#71
2-Chlorotoluene
Concen: 8.649 ppbv
RT: 10.898 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion: 91 Resp: 396434

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.7	46.7

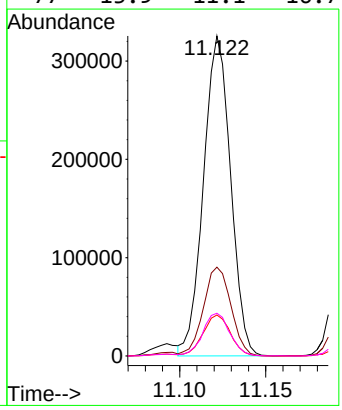


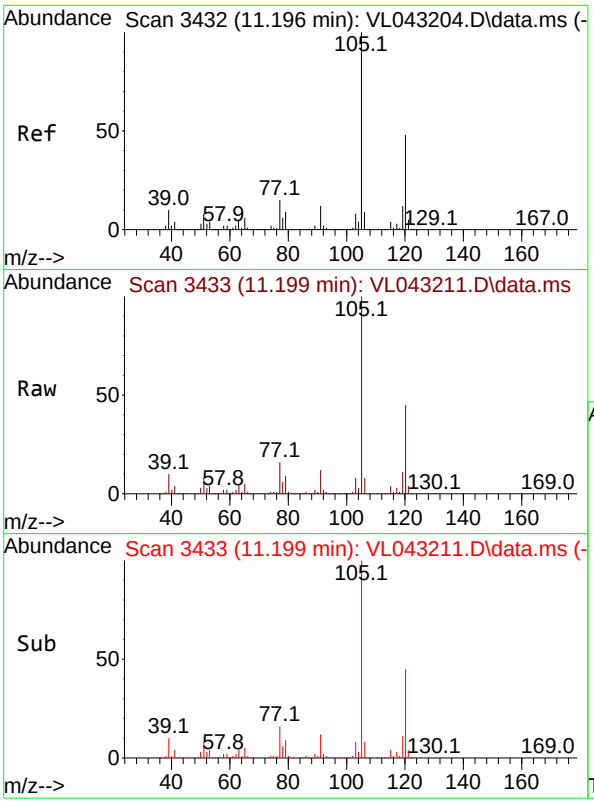


#72
4-Ethyltoluene
Concen: 8.779 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 356325

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.8	35.8
91	13.5	10.3	15.5
77	13.9	11.1	16.7



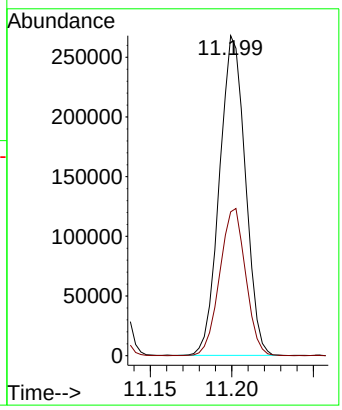


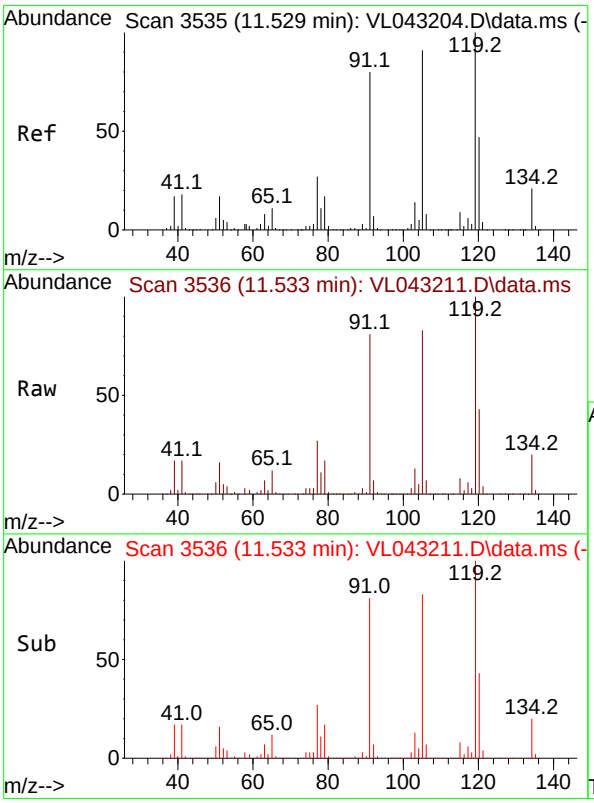
#73
1,3,5-Trimethylbenzene
Concen: 8.660 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:105 Resp: 294977

Ion	Ratio	Lower	Upper
105	100		
120	45.0	38.6	57.8

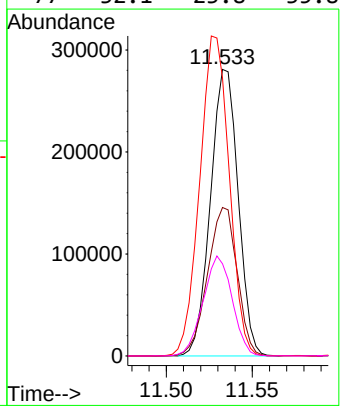


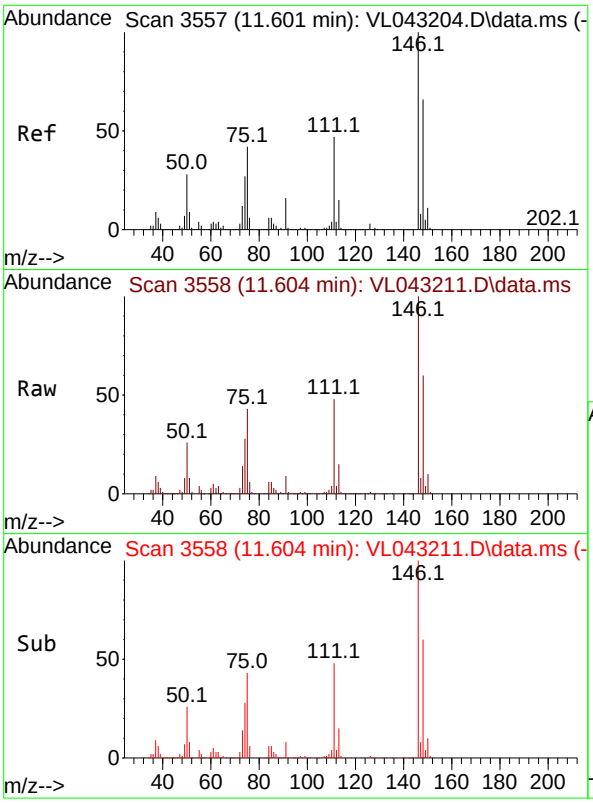


#74
1,2,4-Trimethylbenzene
Concen: 8.463 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:105 Resp: 314606

Ion	Ratio	Lower	Upper
105	100		
120	51.8	41.7	62.5
91	96.9	70.0	105.0
77	32.1	23.8	35.8



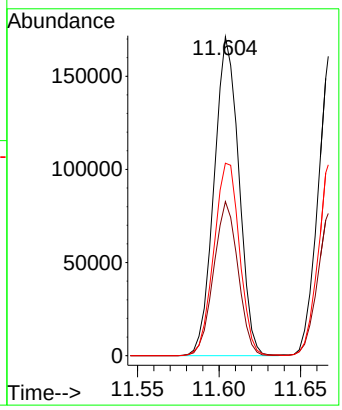


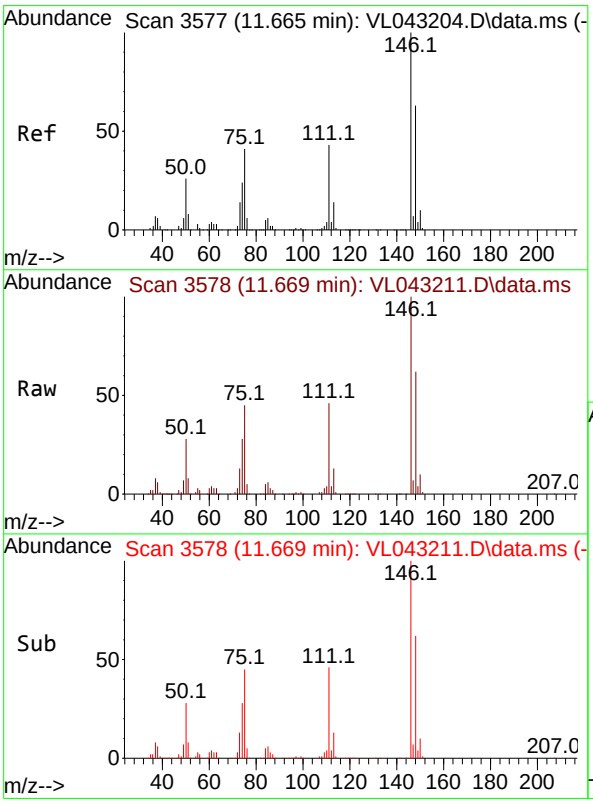
#75
1,3-Dichlorobenzene
Concen: 8.320 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:146 Resp: 180491

Ion	Ratio	Lower	Upper
146	100		
111	47.7	23.4	70.3
148	62.7	31.6	95.0

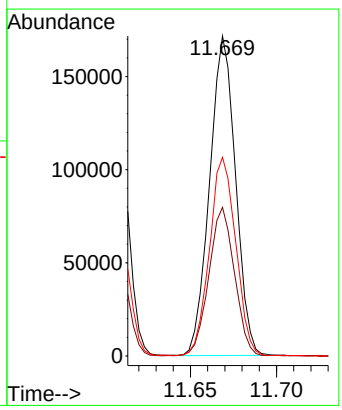


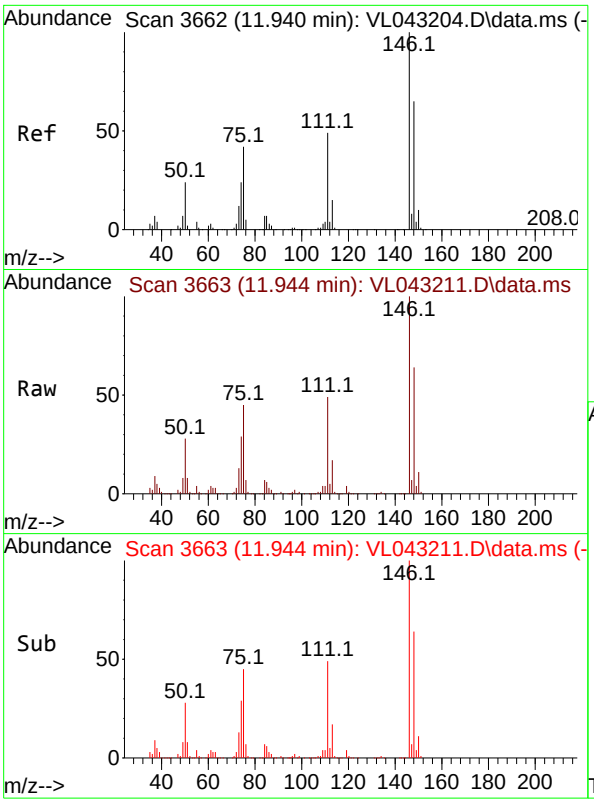


#76
1,4-Dichlorobenzene
Concen: 8.273 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:146 Resp: 179491

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.8	68.3
148	63.4	31.8	95.4



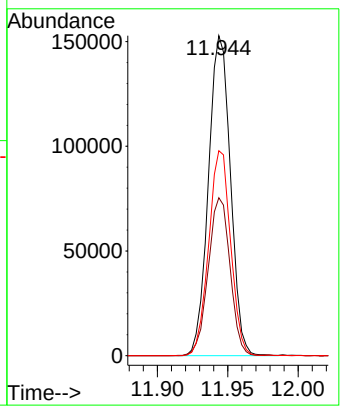


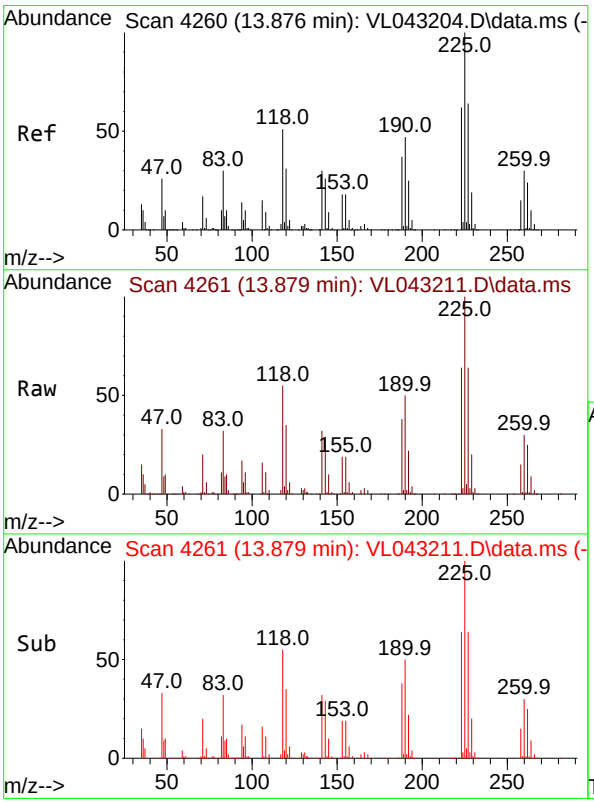
#77
1,2-Dichlorobenzene
Concen: 7.966 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:146 Resp: 166137

Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.3	73.0
148	63.9	31.6	94.7

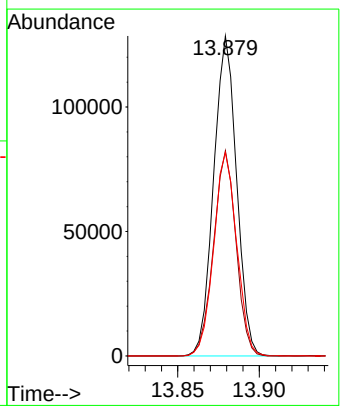


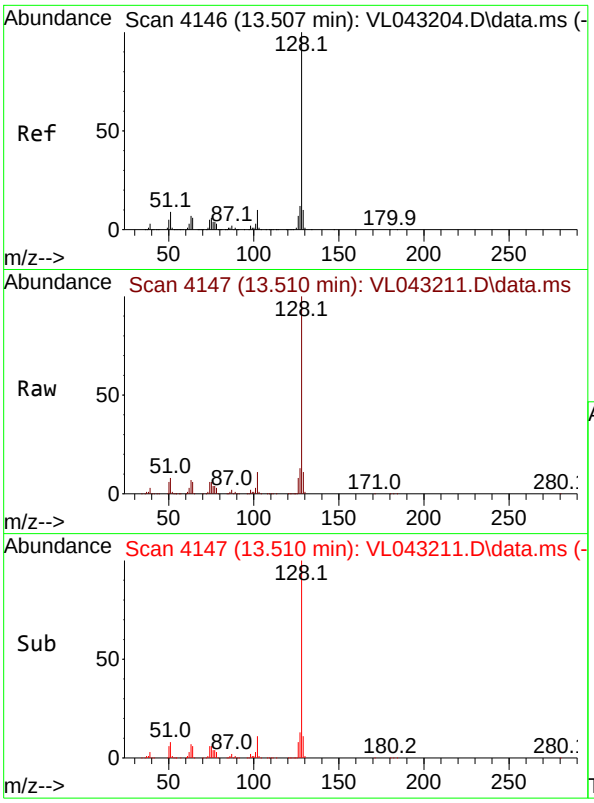


#78
Hexachloro-1,3-Butadiene
Concen: 7.222 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:225 Resp: 125707

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4
227	63.7	51.1	76.7



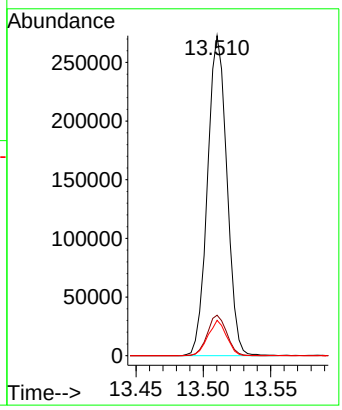


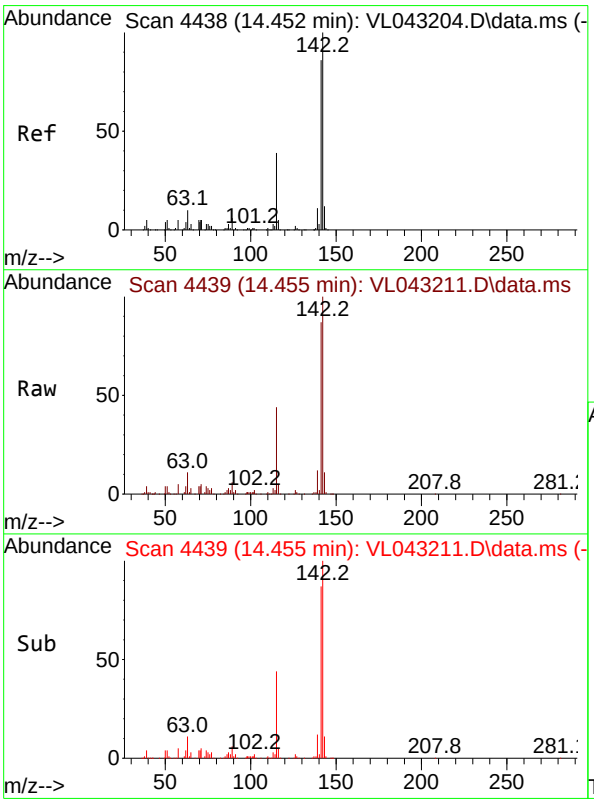
#79
Naphthalene
Concen: 8.270 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:128 Resp: 273029

Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.0	8.4	12.6

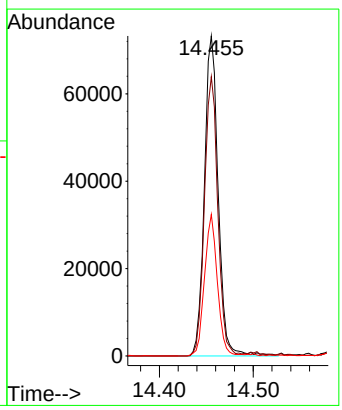


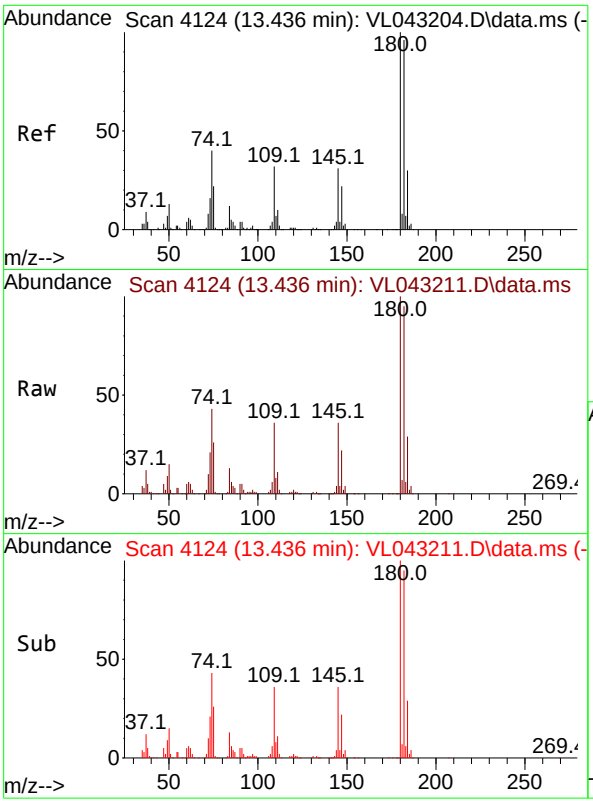


#80
Naphthalene,2-methyl-
Concen: 8.631 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Tgt Ion:142 Resp: 74802

Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.1	100.7
115	41.7	31.9	47.9



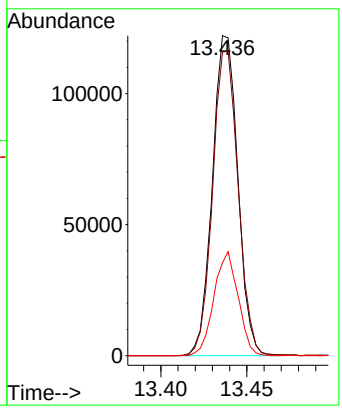


#81
1,2,4-Trichlorobenzene
Concen: 8.497 ppbv
RT: 13.436 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043211.D
Acq: 18 Nov 2025 13:56

Instrument :
MSVOA_L
ClientSampleId :
ICVVL111825

Tgt Ion:180 Resp: 125470

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.2
184	30.9	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.777	49	102759	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.943	114	275595	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	222776	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	166532	10.198	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	161177	11.121	ppbv	98
3) Chlorodifluoromethane	1.473	51	146232	10.259	ppbv	95
4) Chloromethane	1.531	50	54380	10.035	ppbv	95
5) Vinyl Chloride	1.577	62	55244	9.322	ppbv	95
6) Bromomethane	1.664	94	27639	9.621	ppbv	99
7) Chloroethane	1.700	64	22384	9.698	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	129834	10.769	ppbv	99
9) Propene	1.768	41	57274	9.463	ppbv	98
10) Heptane	4.959	43	156253	8.674	ppbv	95
11) Trichlorofluoromethane	1.874	101	169670	12.083	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	126654	11.553	ppbv	97
13) Ethanol	1.716	45	16970	7.973	ppbv	95
14) Bromoethene	1.777	108	45797	10.897	ppbv	96
15) Acetone	1.829	43	122027	8.547	ppbv	99
16) 1,3-Butadiene	1.606	39	62334	9.794	ppbv	97
17) tert-Butyl alcohol	2.033	59	175626	9.372	ppbv	100
18) 1,1-Dichloroethene	2.030	96	55419	10.857	ppbv	88
19) Isopropyl Alcohol	1.881	45	72573	8.996	ppbv	94
20) Methylene Chloride	2.056	84	48499	11.659	ppbv	95
21) Allyl Chloride	2.091	41	83761	8.720	ppbv	93
22) trans-1,2-Dichloroethene	2.334	96	62490	10.711	ppbv	90
23) Vinyl Acetate	2.454	43	157670	9.148	ppbv	99
24) 1,1-Dichloroethane	2.402	63	119663	10.625	ppbv	97
25) Ethyl Acetate	2.823	43	285972	9.287	ppbv	99
26) Hexane	2.819	57	130004	9.630	ppbv	98
27) Carbon Disulfide	2.146	76	150498	10.920	ppbv	99
28) Methyl tert-Butyl Ether	2.431	73	68600	10.352	ppbv	95
29) Chloroform	2.839	83	219297	11.429	ppbv	99
30) Cyclohexane	3.845	84	109617	9.685	ppbv	95
31) cis-1,2-Dichloroethene	2.713	61	137895	10.277	ppbv	93
32) 1,1,1-Trichloroethane	3.357	97	226600	11.079	ppbv	99
34) 2-Butanone	2.548	43	180979	9.303	ppbv	100
35) Carbon Tetrachloride	3.752	117	237548	11.356	ppbv	98
36) Benzene	3.645	78	265981	10.078	ppbv	99
37) 1,2-Dichloroethane	3.208	62	173345	11.229	ppbv	98
38) Trichloroethene	4.528	130	107877	10.447	ppbv	94
39) 1,2-Dichloropropane	4.299	63	92453	9.571	ppbv	95
40) 1,4-Dioxane	4.558	88	36555	8.418	ppbv #	91
41) Tetrahydrofuran	3.040	42	94776	8.822	ppbv	98
42) Bromodichloromethane	4.470	83	237498	11.152	ppbv	99
43) Methyl Methacrylate	4.862	69	125480	8.957	ppbv	96
44) 2,2,4-Trimethylpentane	4.622	57	437108	9.643	ppbv	99
45) t-1,3-Dichloropropene	6.389	75	100231	7.675	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	cis-1,3-Dichloropropene	5.577	75	122504	7.989	ppbv		98
47)	1,1,2-Trichloroethane	6.555	97	49025	4.782	ppbv		97
48)	Dibromochloromethane	7.370	129	193819	10.997	ppbv		99
49)	Bromoform	9.471	173	171644	10.994	ppbv		100
50)	4-Methyl-2-Pentanone	5.723	43	238084	8.688	ppbv		99
51)	2-Hexanone	7.415	43	172317	8.097	ppbv	#	99
52)	Tetrachloroethene	8.208	164	99129	10.097	ppbv		94
53)	Toluene	6.914	91	300158	9.604	ppbv		99
54)	1,2-Dibromoethane	7.636	107	146099	9.684	ppbv		95
56)	1,1,1,2-Tetrachloroethane	8.911	131	176606	10.787	ppbv		98
57)	Chlorobenzene	8.908	112	236347	10.333	ppbv		98
58)	Ethyl Benzene	9.341	91	430385	10.037	ppbv		99
59)	m/p-Xylene	9.539	91	325160	9.459	ppbv	#	21
60)	o-Xylene	9.950	91	353166	10.284	ppbv		100
61)	Styrene	9.859	104	140574	9.353	ppbv		99
62)	Isopropylbenzene	10.529	105	637682	10.379	ppbv		100
63)	1,1,2,2-Tetrachloroethane	9.950	83	214523	9.817	ppbv		100
64)	n-propylbenzene	10.979	120	158685	10.052	ppbv		97
65)	tert-Butylbenzene	11.520	119	544959	9.932	ppbv		98
66)	Benzyl Chloride	11.604	91	23441	4.210	ppbv		99
67)	sec-Butylbenzene	11.756	105	764527	9.982	ppbv		100
69)	p-Isopropyltoluene	11.914	119	641411	9.886	ppbv		100
70)	n-Butylbenzene	12.270	91	626151	9.948	ppbv		99
71)	2-Chlorotoluene	10.888	91	466353	9.875	ppbv		99
72)	4-Ethyltoluene	11.115	105	424355	10.147	ppbv		98
73)	1,3,5-Trimethylbenzene	11.193	105	355138	10.119	ppbv		96
74)	1,2,4-Trimethylbenzene	11.526	105	386671	10.095	ppbv		99
75)	1,3-Dichlorobenzene	11.597	146	227896	10.196	ppbv		99
76)	1,4-Dichlorobenzene	11.662	146	226164	10.117	ppbv		100
77)	1,2-Dichlorobenzene	11.937	146	215578	10.032	ppbv		98
78)	Hexachloro-1,3-Butadiene	13.873	225	172235	9.604	ppbv		100
79)	Naphthalene	13.504	128	324391	9.536	ppbv		98
80)	Naphthalene,2-methyl-	14.449	142	78637	8.806	ppbv		98
81)	1,2,4-Trichlorobenzene	13.429	180	160725	10.564	ppbv		99

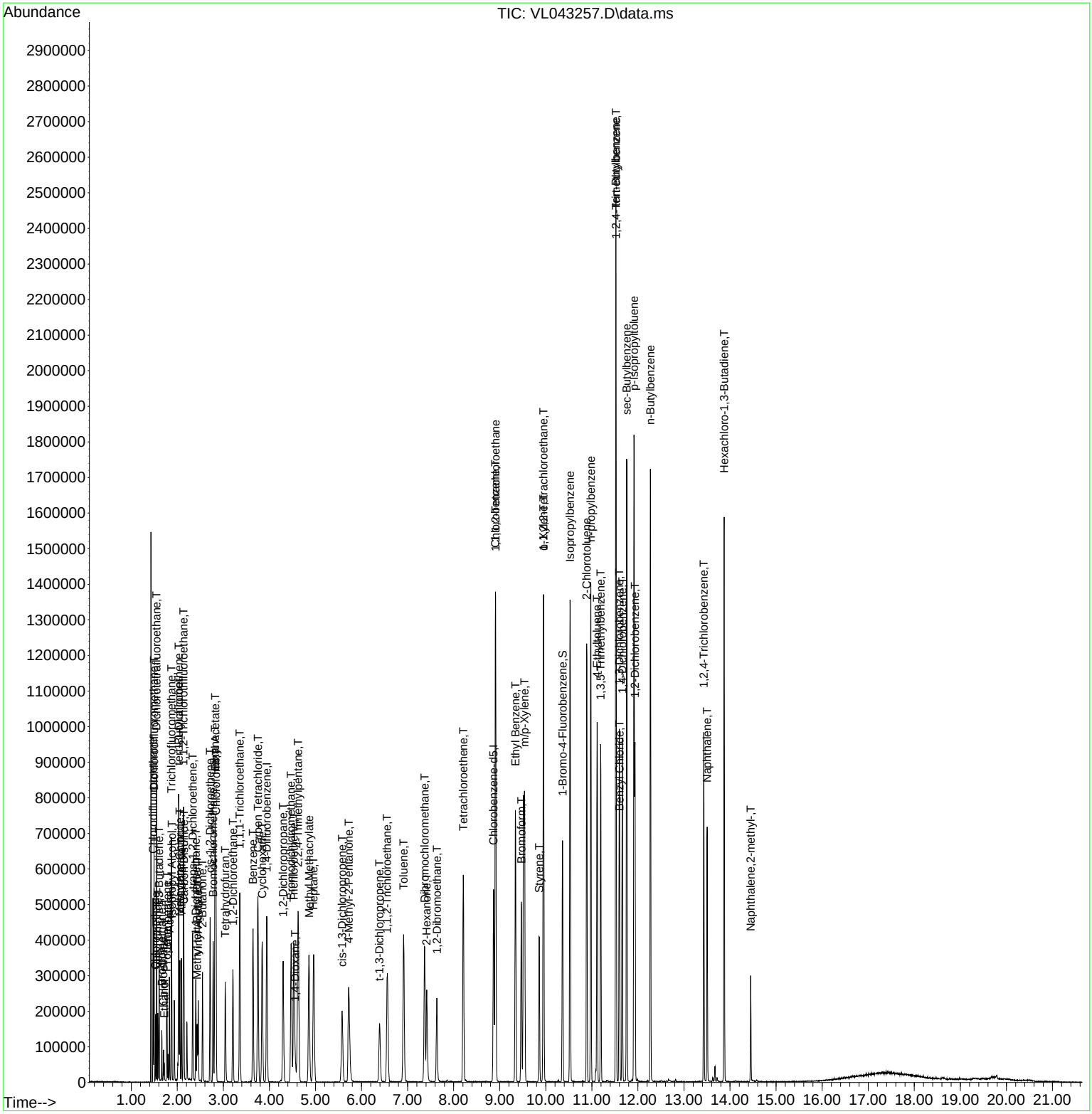
(#) = qualifier out of range (m) = manual integration (+) = signals summed

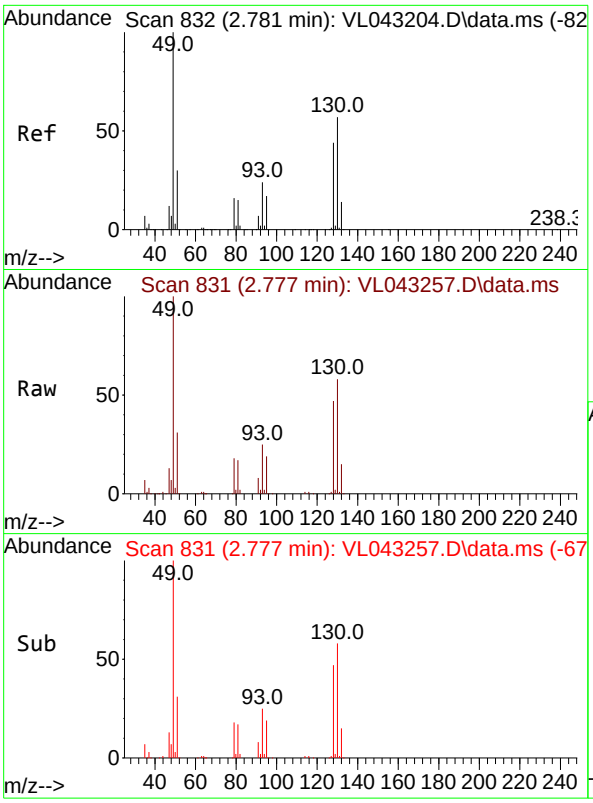
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043257.D
Acq On : 20 Nov 2025 10:14
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Nov 21 00:33:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



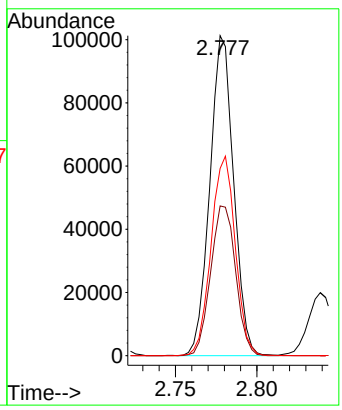


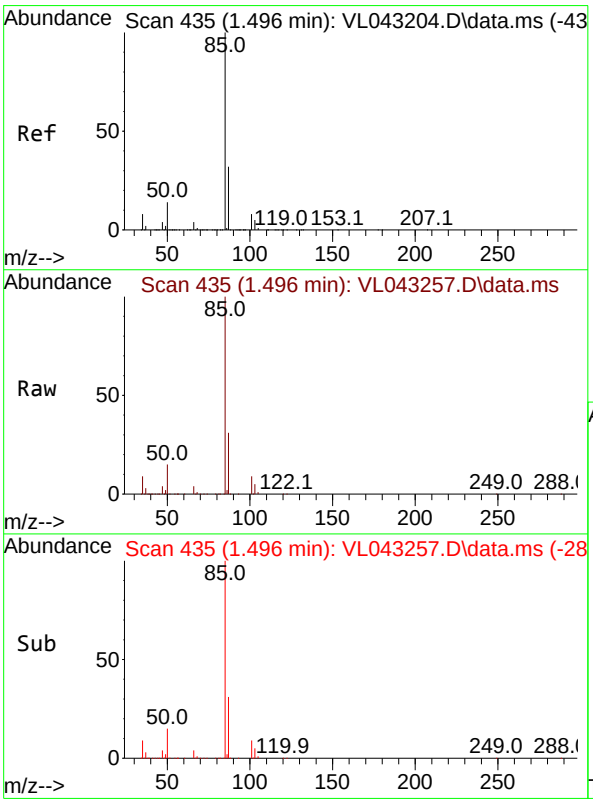
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 8
Delta R.T. -0.004 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 102759

Ion	Ratio	Lower	Upper
49	100		
128	49.3	23.0	69.0
130	63.4	29.9	89.7

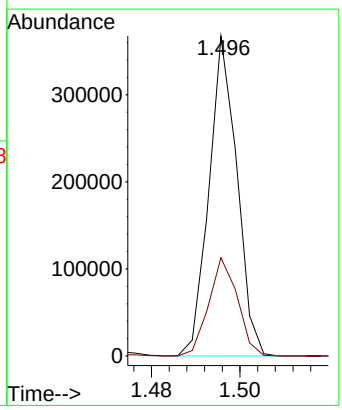


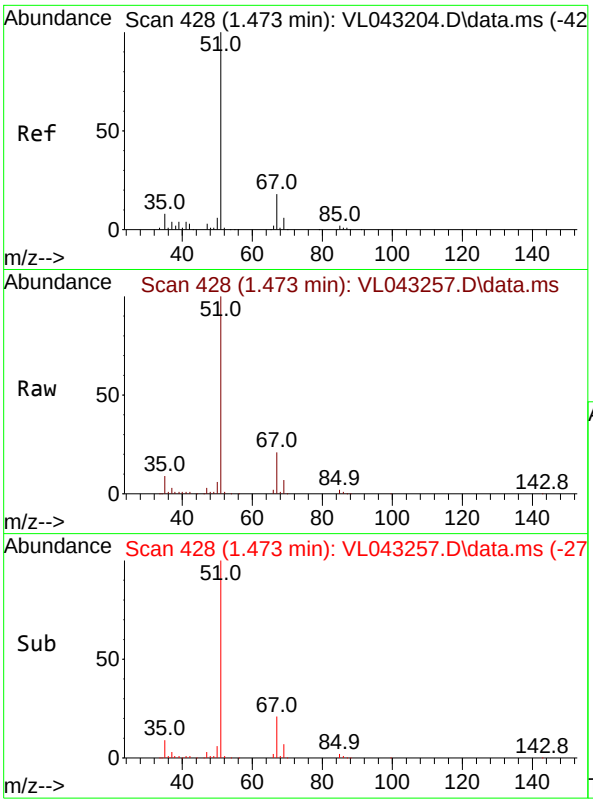


#2
Dichlorodifluoromethane
Concen: 11.121 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 85 Resp: 161177

Ion	Ratio	Lower	Upper
85	100		
87	30.7	25.4	38.2



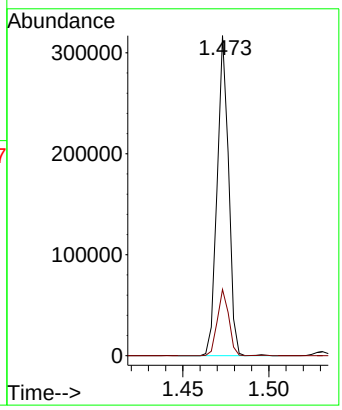


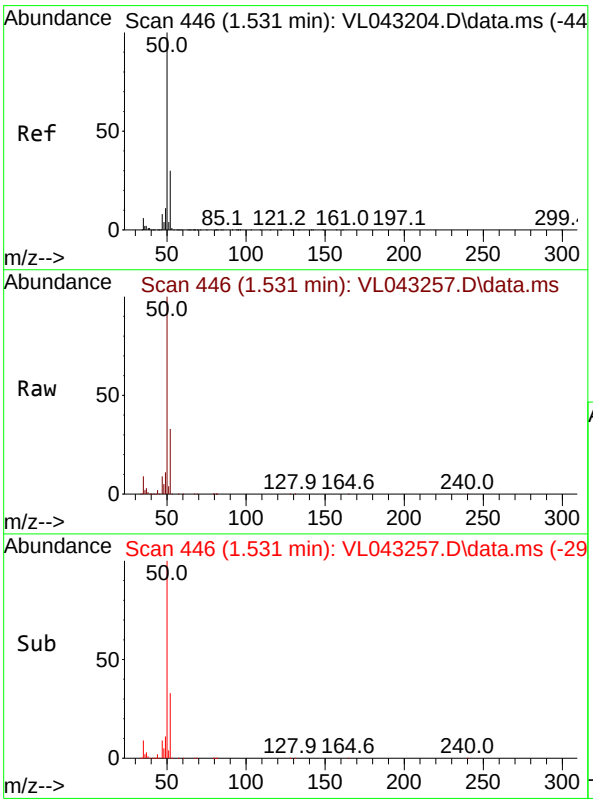
#3
Chlorodifluoromethane
Concen: 10.259 ppbv
RT: 1.473 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 146232

Ion	Ratio	Lower	Upper
51	100		
67	20.8	14.9	22.3

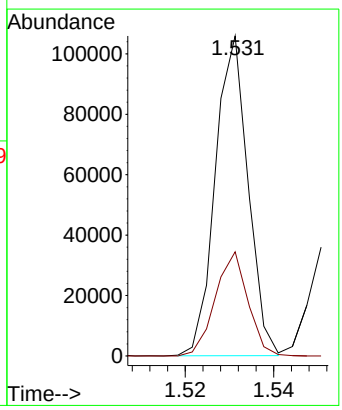


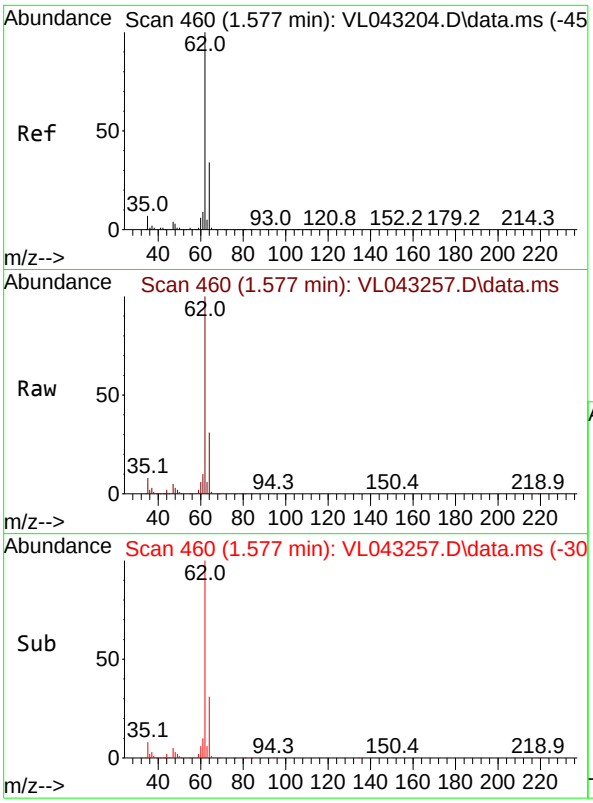


#4
Chloromethane
Concen: 10.035 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 50 Resp: 54380

Ion	Ratio	Lower	Upper
50	100		
52	32.6	24.1	36.1



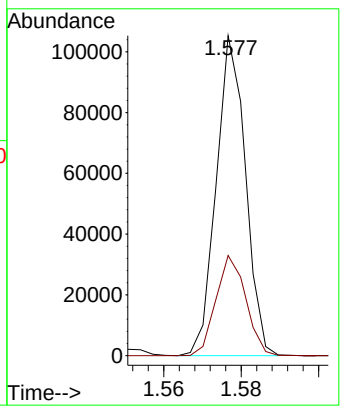


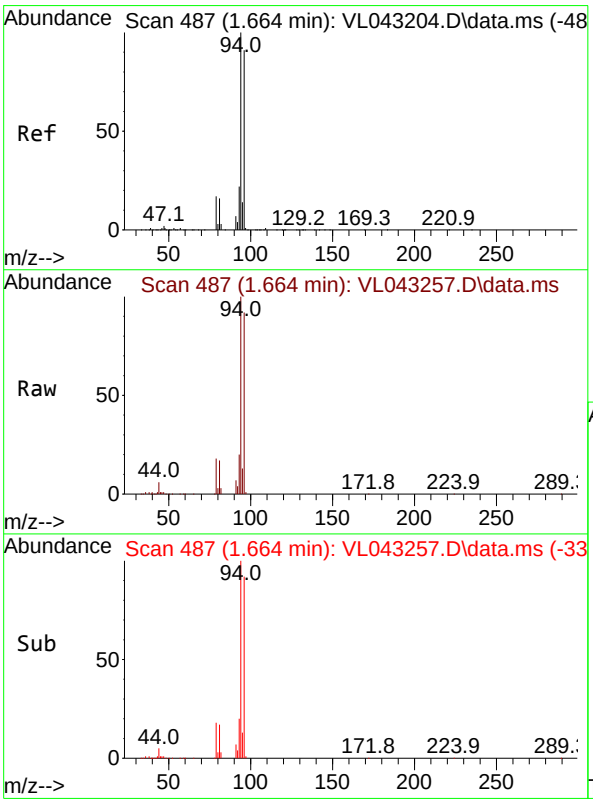
#5
Vinyl Chloride
Concen: 9.322 ppbv
RT: 1.577 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 55244

Ion	Ratio	Lower	Upper
62	100		
64	31.3	27.3	40.9

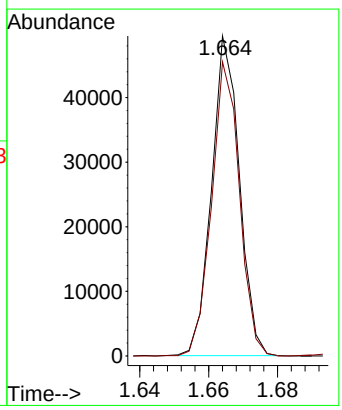


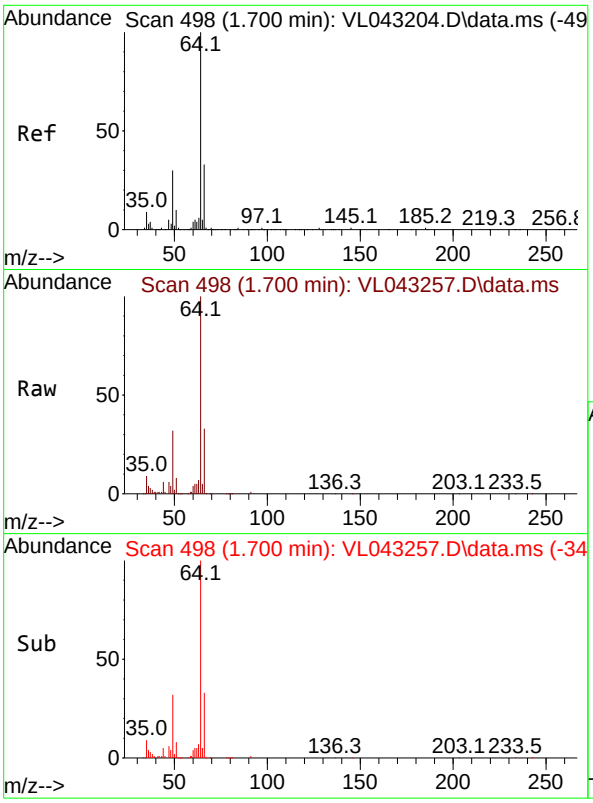


#6
Bromomethane
Concen: 9.621 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 94 Resp: 27639

Ion	Ratio	Lower	Upper
94	100		
96	92.0	72.9	109.3



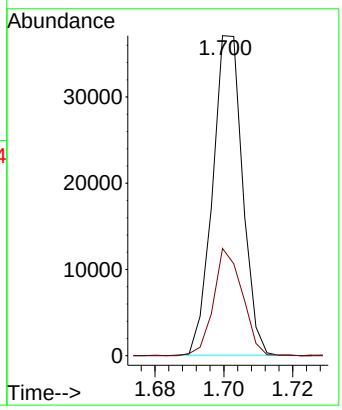


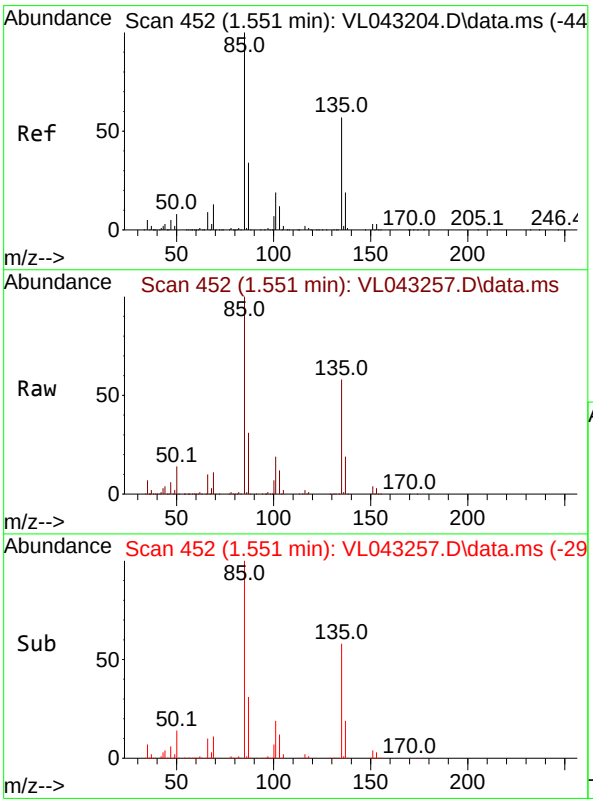
#7
Chloroethane
Concen: 9.698 ppbv
RT: 1.700 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 22384

Ion	Ratio	Lower	Upper
64	100		
66	33.5	26.8	40.2

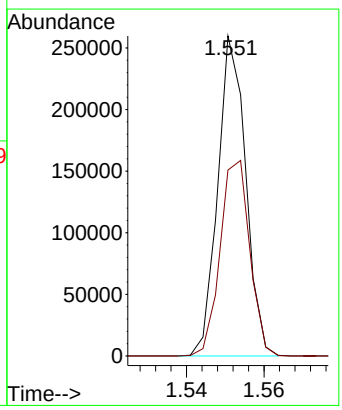


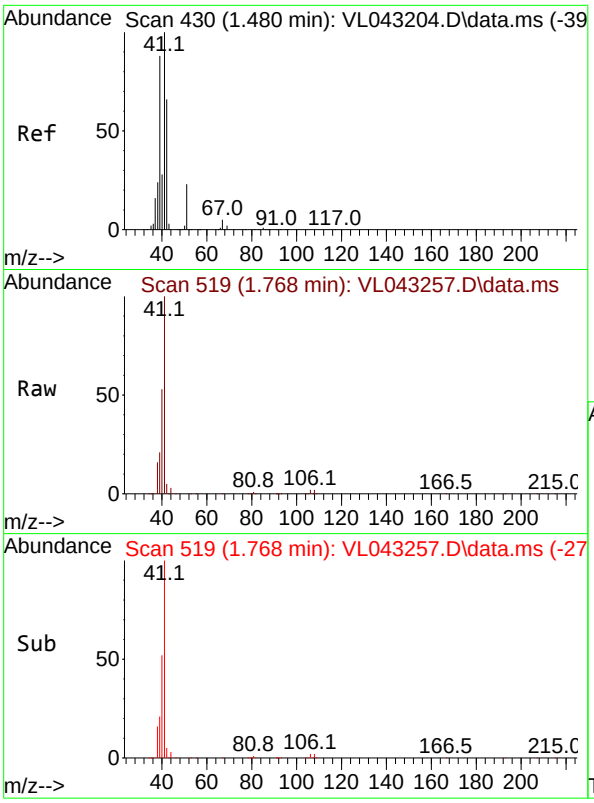


#8
Dichlorotetrafluoroethane
Concen: 10.769 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 85 Resp: 129834

Ion	Ratio	Lower	Upper
85	100		
135	65.0	52.6	79.0



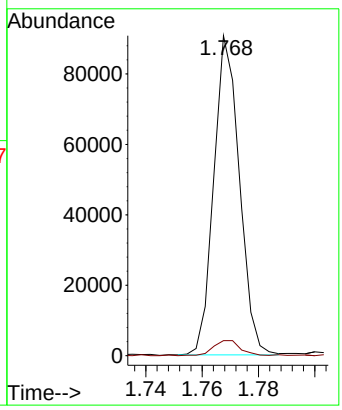


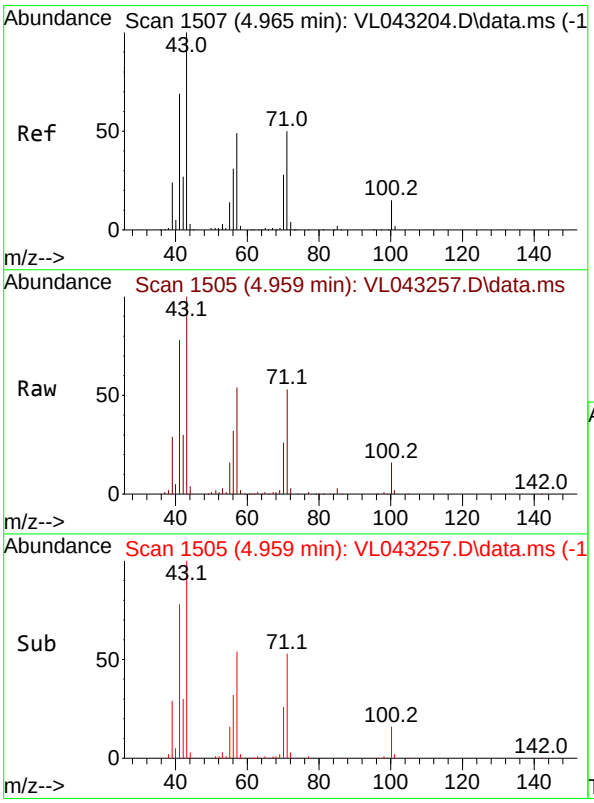
#9
Propene
Concen: 9.463 ppbv
RT: 1.768 min Scan# 5
Delta R.T. 0.288 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 57274

Ion	Ratio	Lower	Upper
41	100		
42	5.3	3.7	5.5

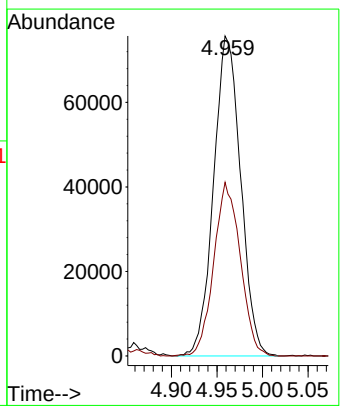


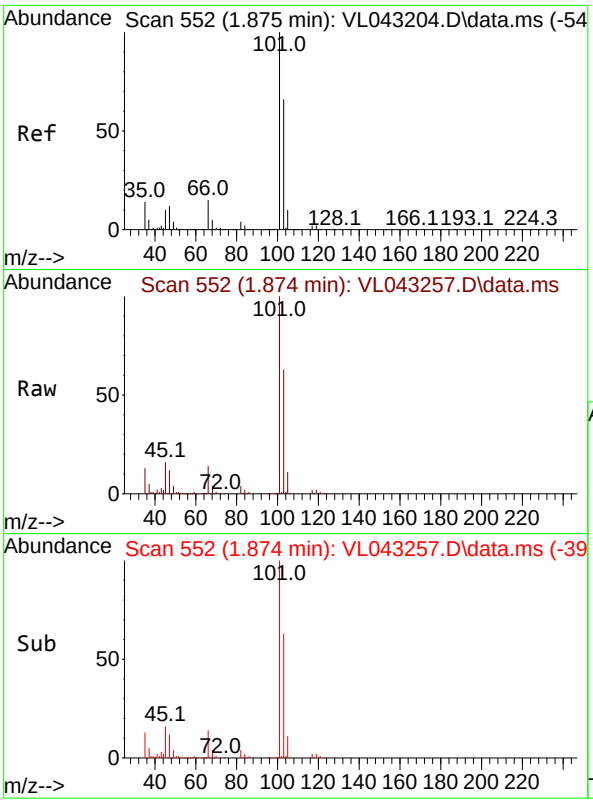


#10
Heptane
Concen: 8.674 ppbv
RT: 4.959 min Scan# 1505
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 156253

Ion	Ratio	Lower	Upper
43	100		
57	53.2	39.7	59.5



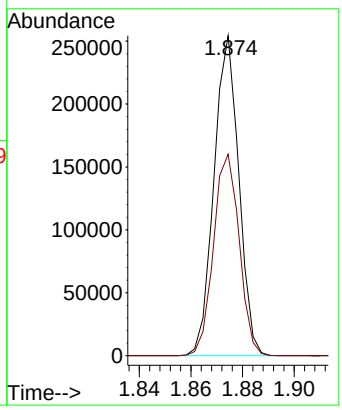


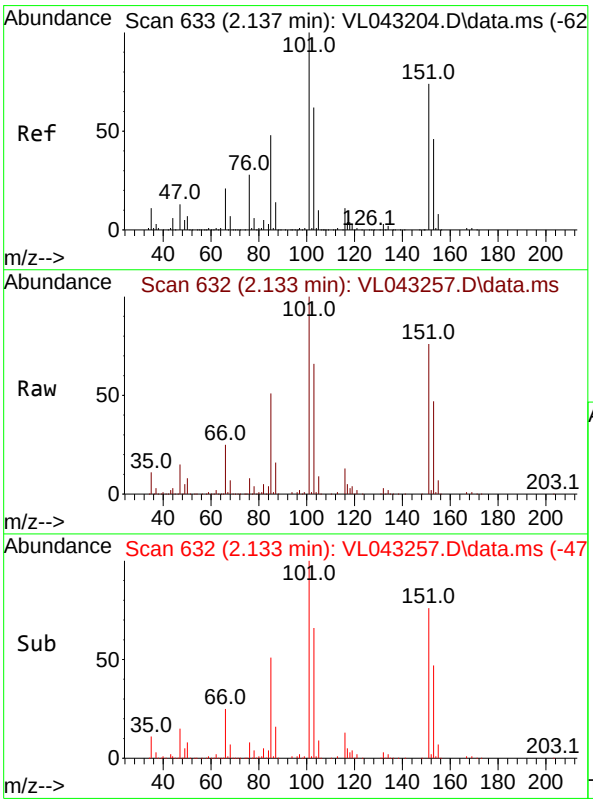
#11
Trichlorofluoromethane
Concen: 12.083 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 169670

Ion	Ratio	Lower	Upper
101	100		
103	63.0	52.6	79.0

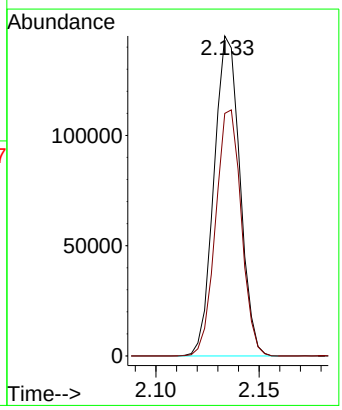


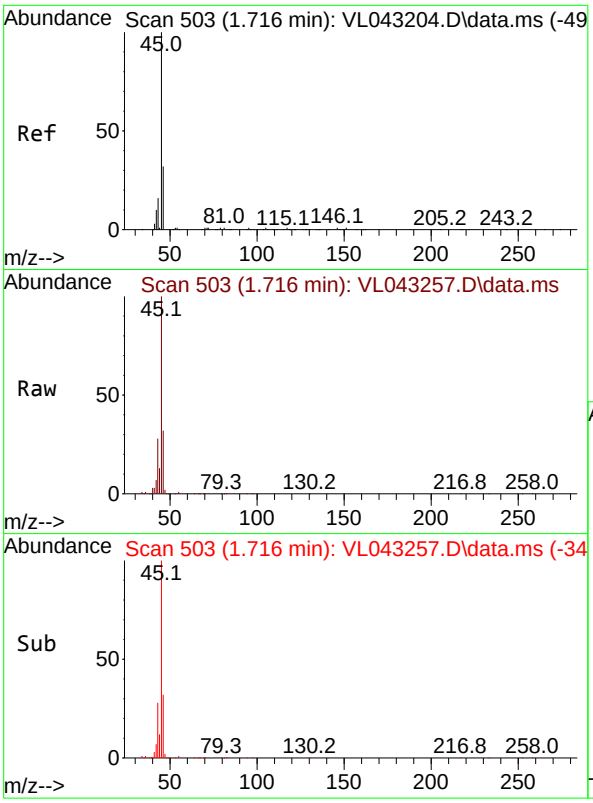


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.553 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:101 Resp: 126654

Ion	Ratio	Lower	Upper
101	100		
151	76.2	59.2	88.8



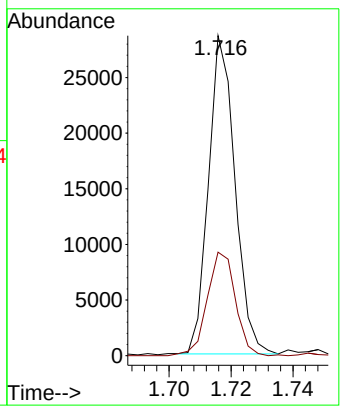


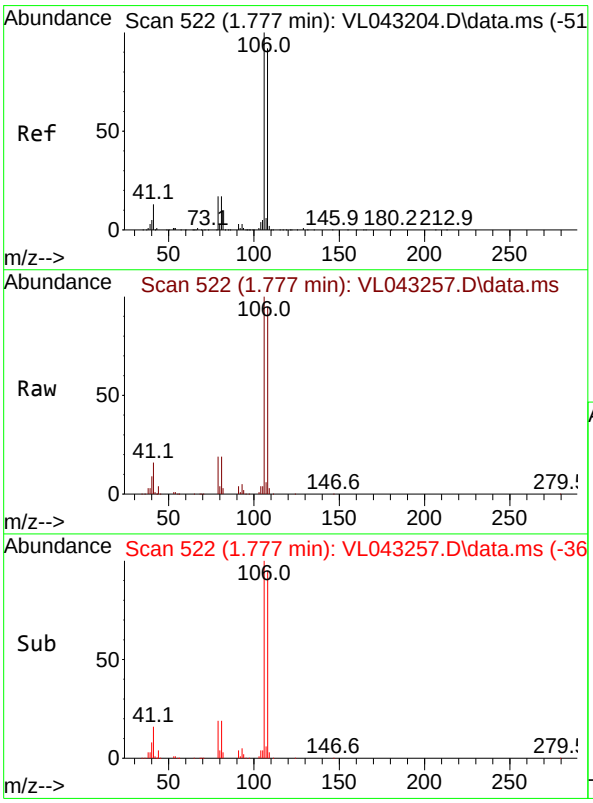
#13
Ethanol
Concen: 7.973 ppbv
RT: 1.716 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 16970

Ion	Ratio	Lower	Upper
45	100		
46	34.5	15.0	59.8

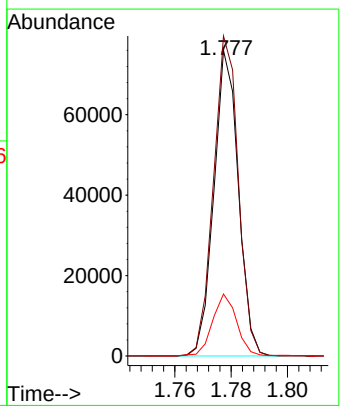


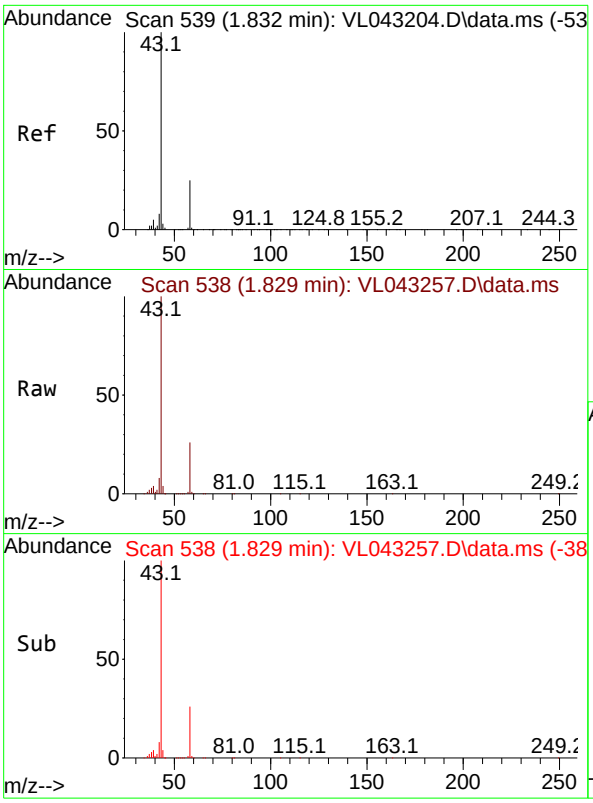


#14
Bromoethene
Concen: 10.897 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:108 Resp: 45797

Ion	Ratio	Lower	Upper
108	100		
106	106.5	88.9	133.3
79	20.6	16.5	24.7



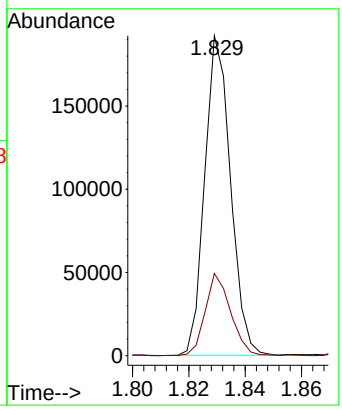


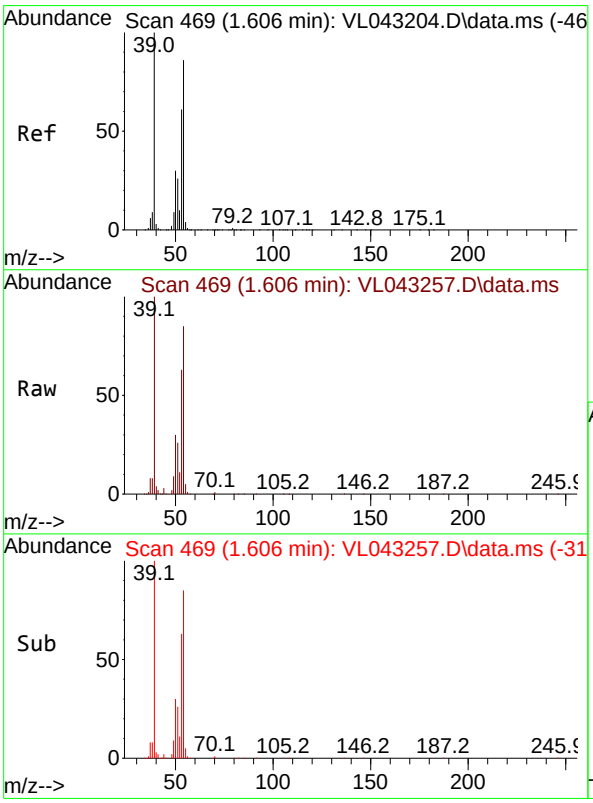
#15
Acetone
Concen: 8.547 ppbv
RT: 1.829 min Scan# 5
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 122027

Ion	Ratio	Lower	Upper
43	100		
58	25.6	20.7	31.1

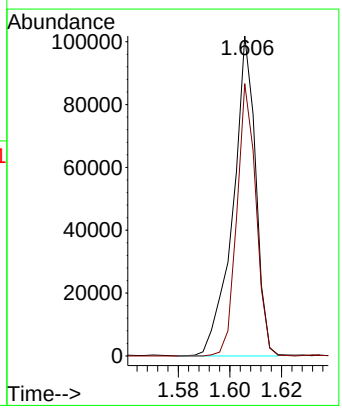


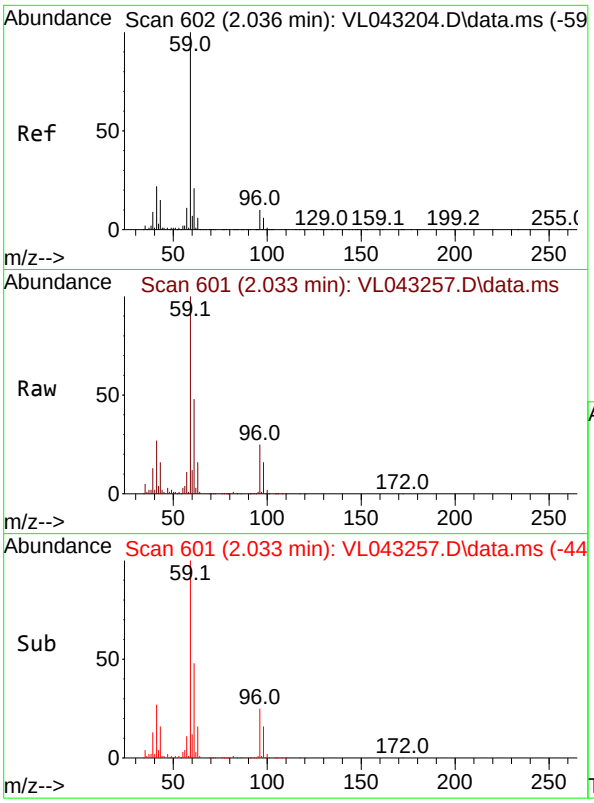


#16
1,3-Butadiene
Concen: 9.794 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 39 Resp: 62334

Ion	Ratio	Lower	Upper
39	100		
54	71.9	59.4	89.2



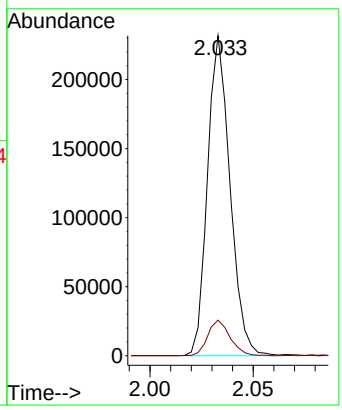


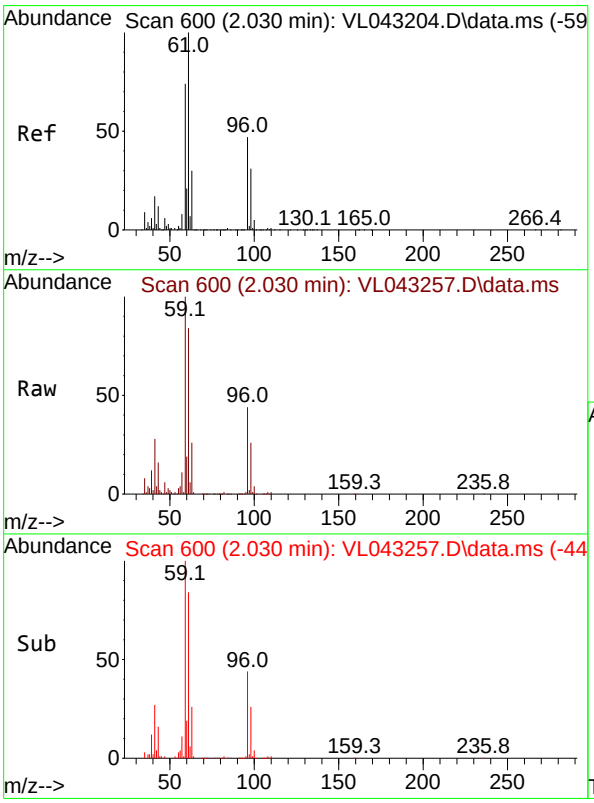
#17
tert-Butyl alcohol
Concen: 9.372 ppbv
RT: 2.033 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 175626

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

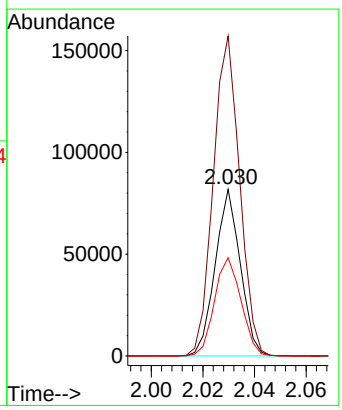


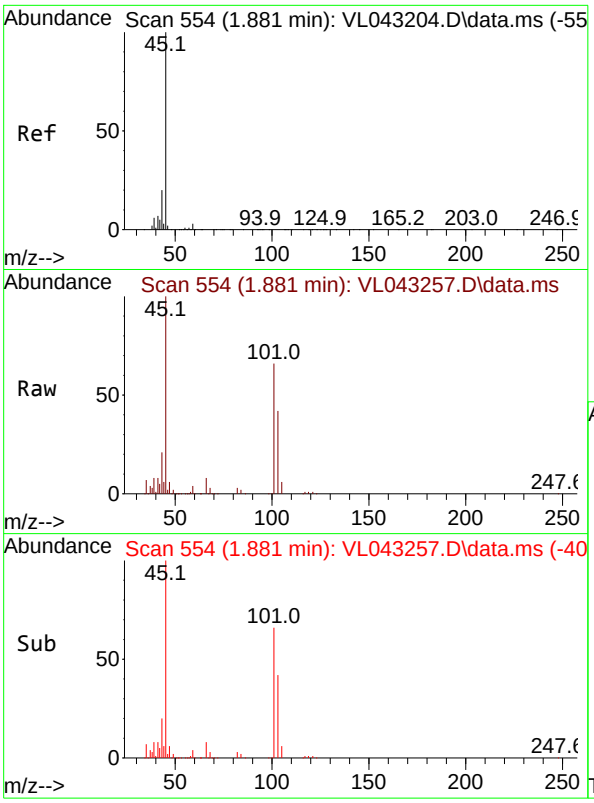


#18
1,1-Dichloroethene
Concen: 10.857 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 96 Resp: 55419

Ion	Ratio	Lower	Upper
96	100		
61	192.0	170.6	255.8
98	58.9	52.2	78.4



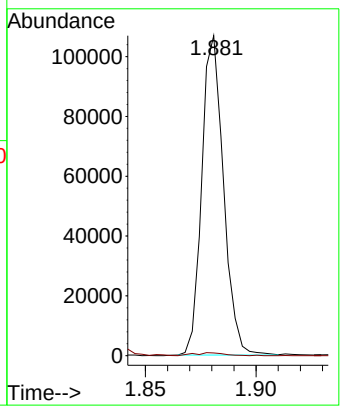


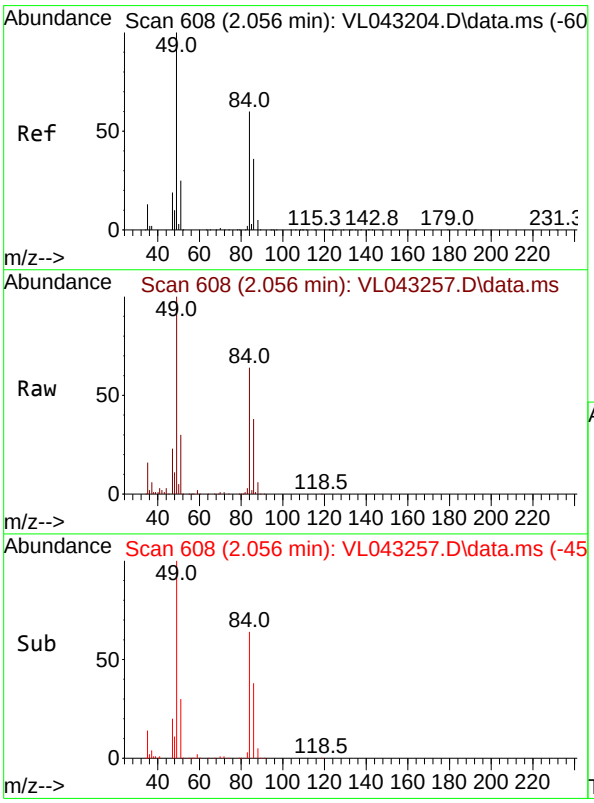
#19
Isopropyl Alcohol
Concen: 8.996 ppbv
RT: 1.881 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 72573

Ion	Ratio	Lower	Upper
45	100		
58	43.1	31.3	46.9

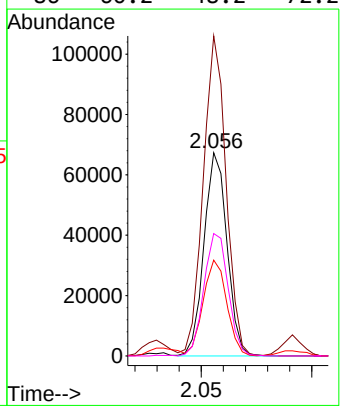


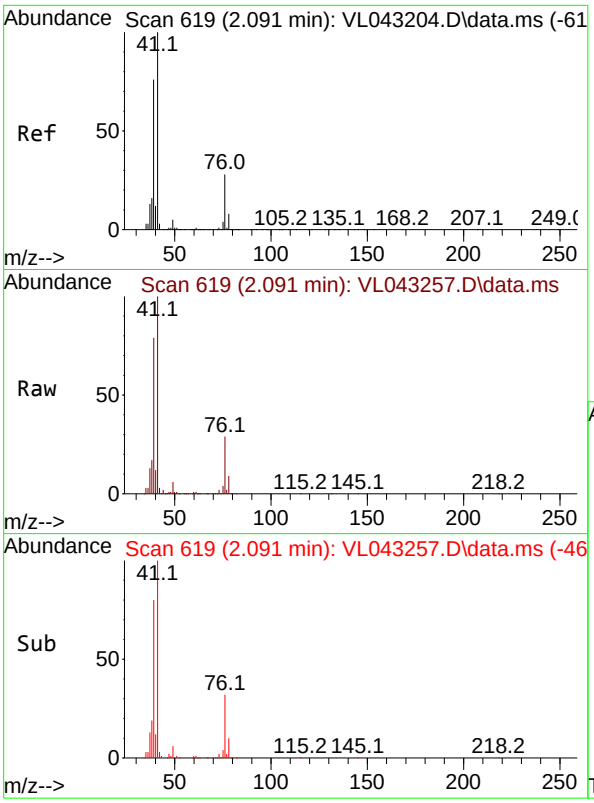


#20
Methylene Chloride
Concen: 11.659 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 84 Resp: 48499

Ion	Ratio	Lower	Upper
84	100		
49	155.9	132.9	199.3
51	45.7	34.8	52.2
86	60.2	48.2	72.2



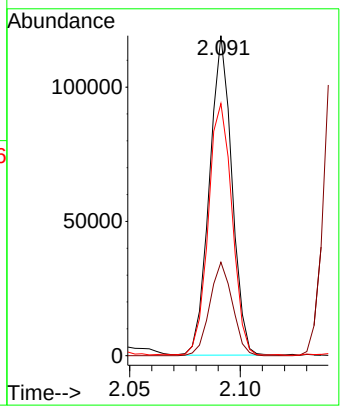


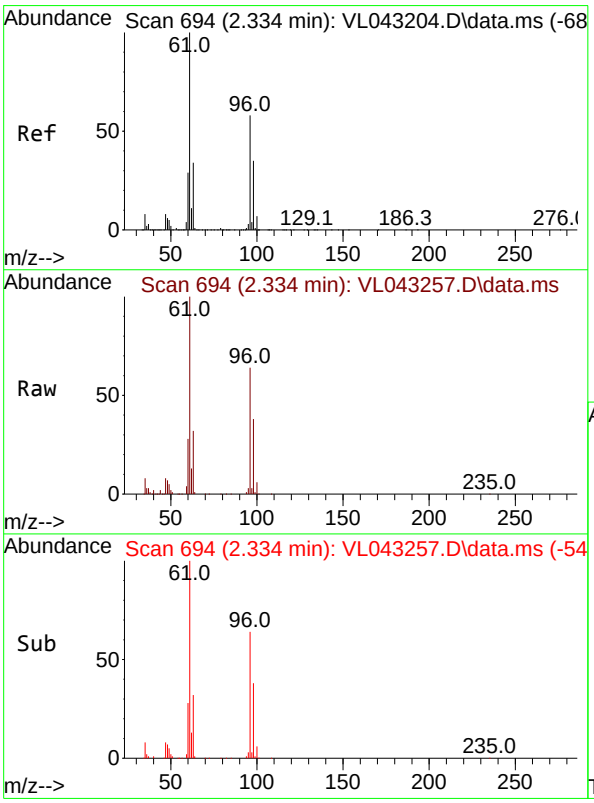
#21
Allyl Chloride
Concen: 8.720 ppbv
RT: 2.091 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 83761

Ion	Ratio	Lower	Upper
41	100		
76	29.6	22.1	33.1
39	83.6	61.0	91.4

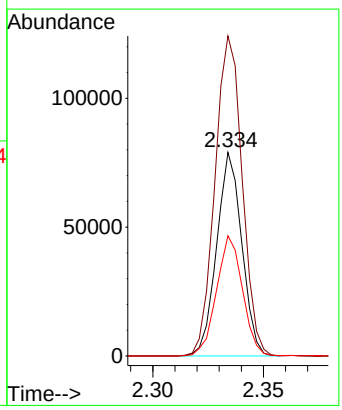


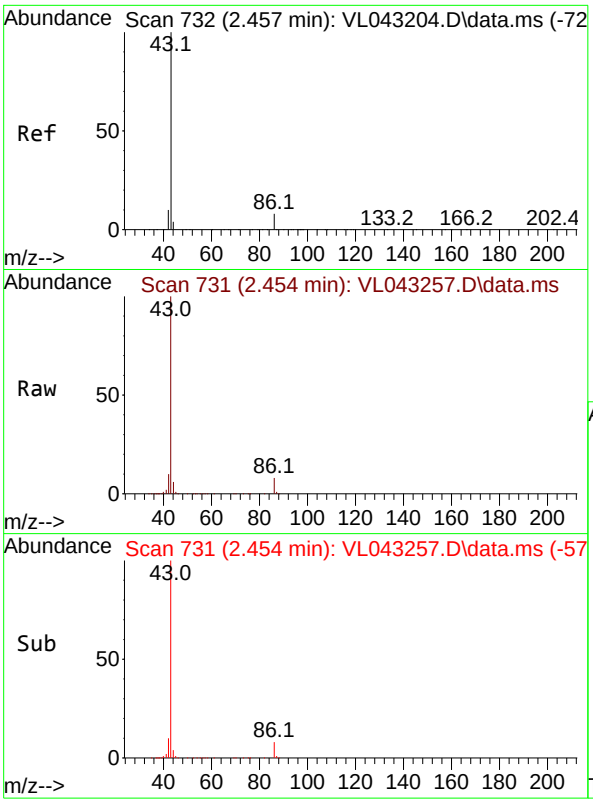


#22
trans-1,2-Dichloroethene
Concen: 10.711 ppbv
RT: 2.334 min Scan# 694
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 96 Resp: 62490

Ion	Ratio	Lower	Upper
96	100		
61	157.2	139.0	208.6
98	59.1	49.4	74.2



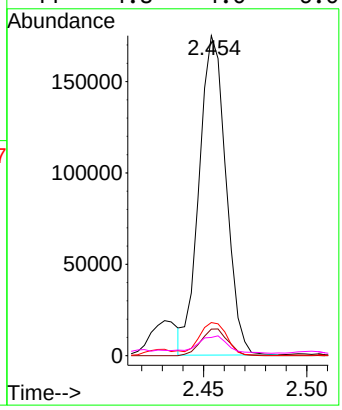


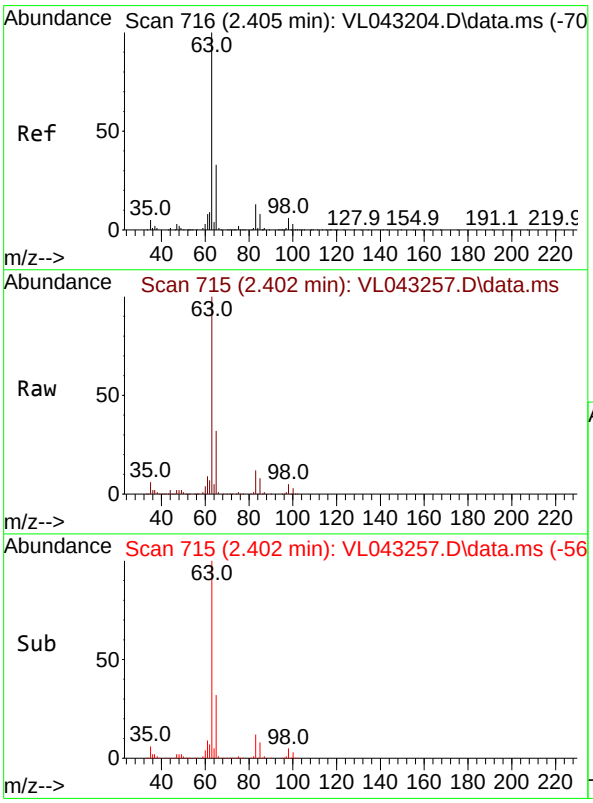
#23
Vinyl Acetate
Concen: 9.148 ppbv
RT: 2.454 min Scan# 7
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 157670

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.2	9.2
42	10.2	8.0	12.0
44	4.8	4.0	6.0

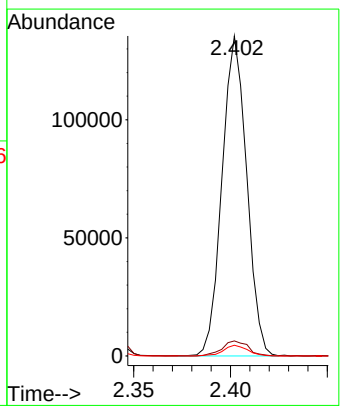


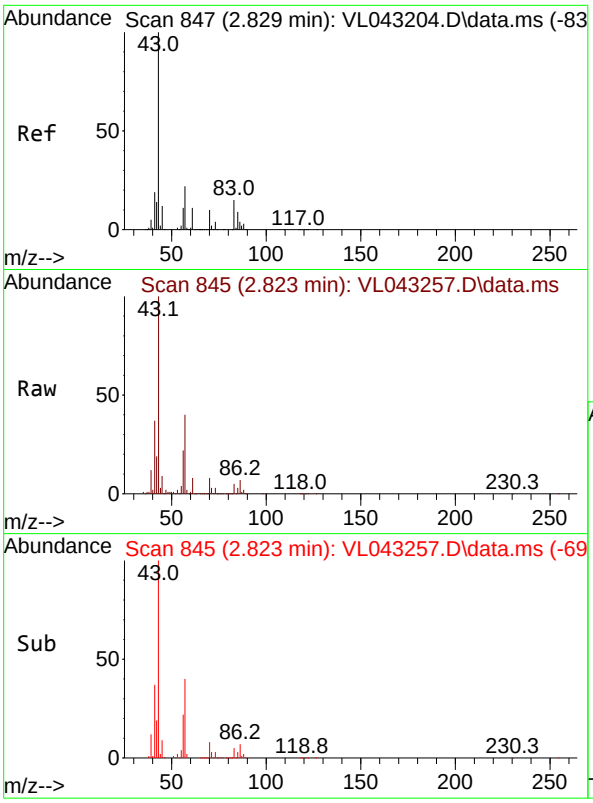


#24
1,1-Dichloroethane
Concen: 10.625 ppbv
RT: 2.402 min Scan# 715
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 63 Resp: 119663

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.8	8.4
100	3.4	1.3	3.9



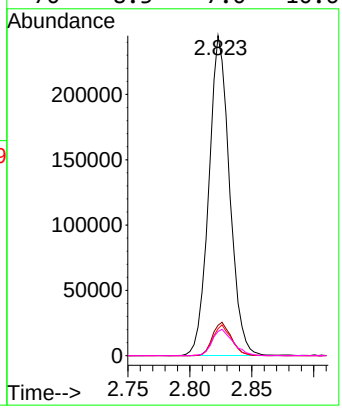


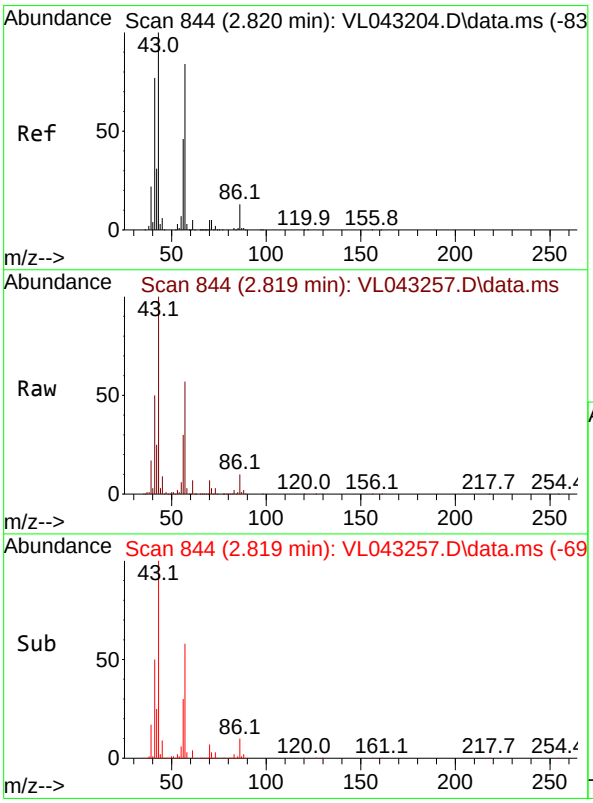
#25
Ethyl Acetate
Concen: 9.287 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 285972

Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.7	7.0	10.4
70	8.3	7.0	10.6

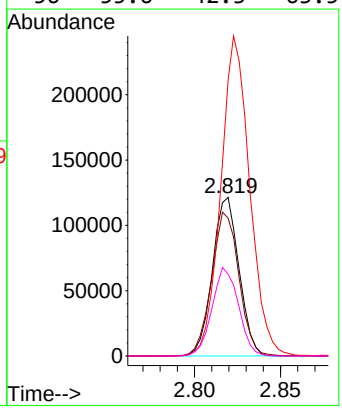


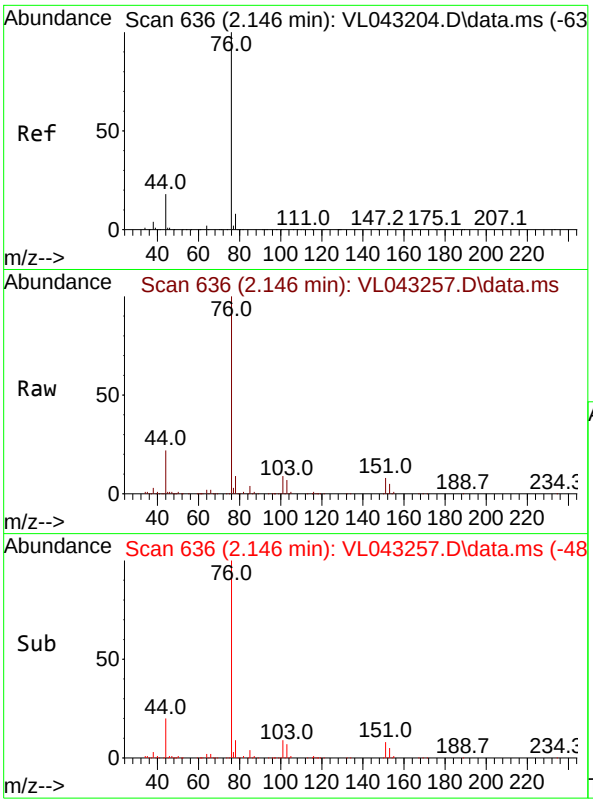


#26
Hexane
Concen: 9.630 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 57 Resp: 130004

Ion	Ratio	Lower	Upper
57	100		
41	94.0	74.6	111.8
43	220.7	179.0	268.4
56	55.6	42.3	63.5



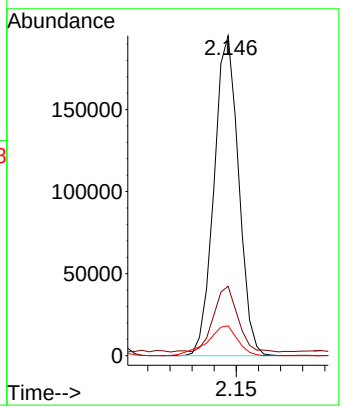


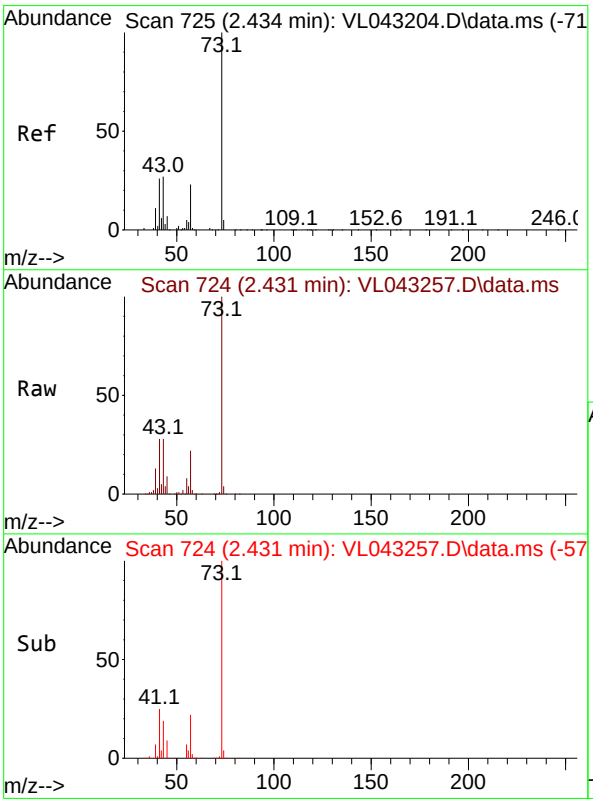
#27
Carbon Disulfide
Concen: 10.920 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 150498

Ion	Ratio	Lower	Upper
76	100		
44	20.6	16.1	24.1
78	11.4	9.6	14.4

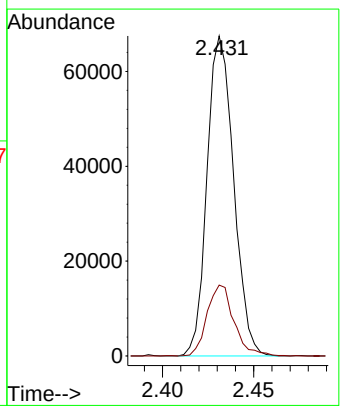


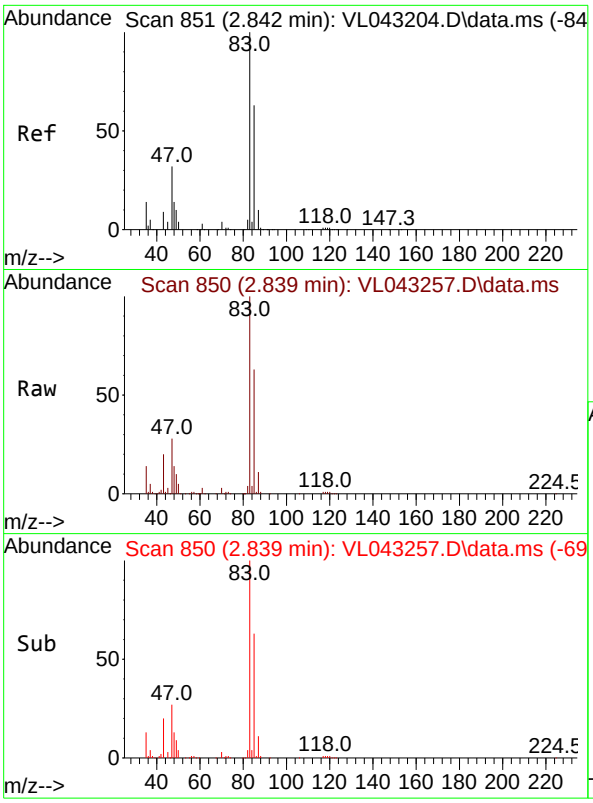


#28
Methyl tert-Butyl Ether
Concen: 10.352 ppbv
RT: 2.431 min Scan# 724
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 73 Resp: 68600

Ion	Ratio	Lower	Upper
73	100		
57	22.4	19.8	29.8



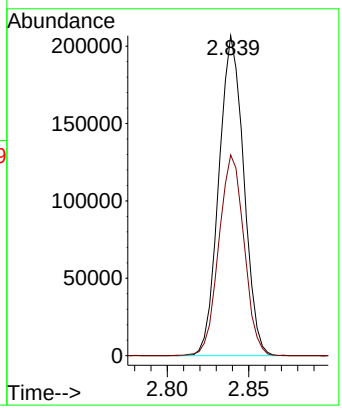


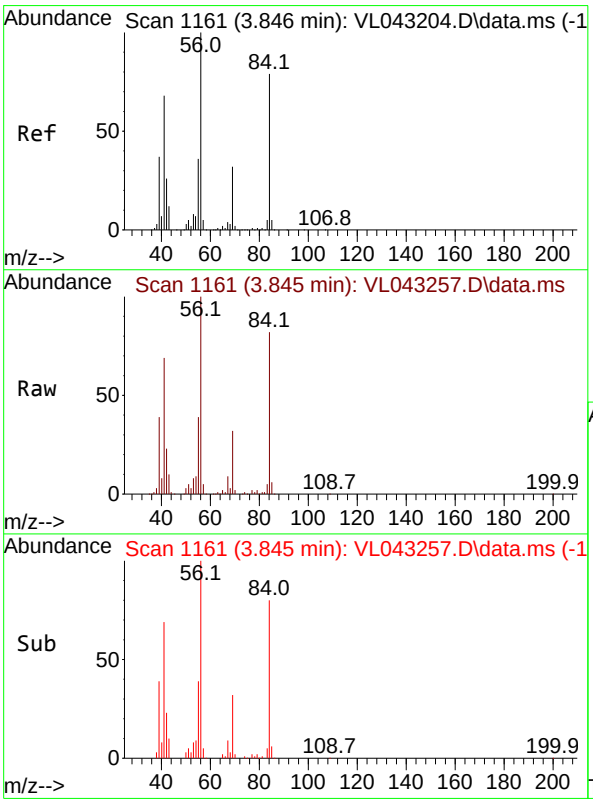
#29
Chloroform
Concen: 11.429 ppbv
RT: 2.839 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 219297

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.5	75.7

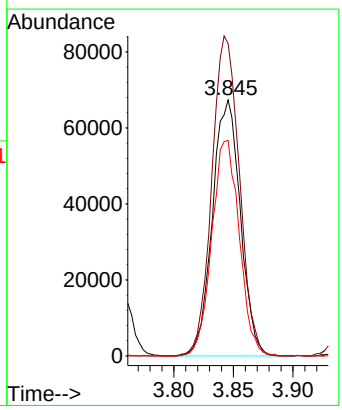


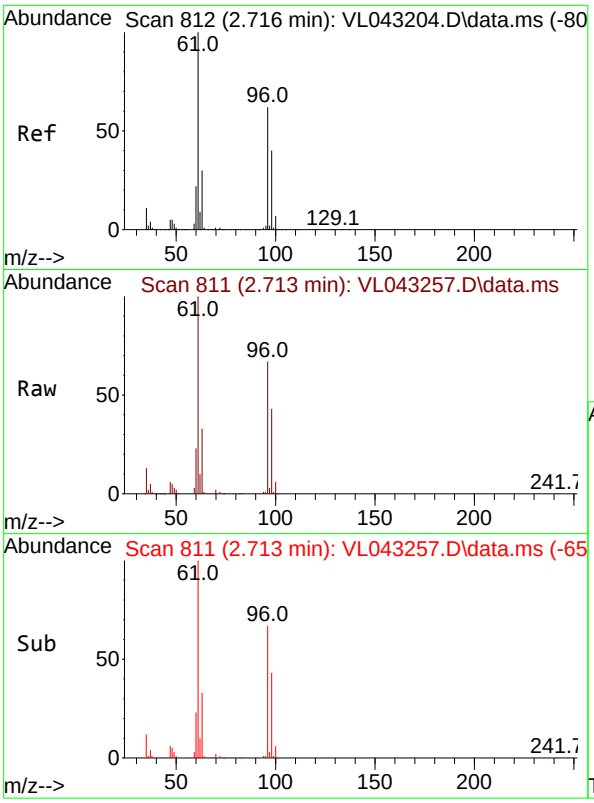


#30
Cyclohexane
Concen: 9.685 ppbv
RT: 3.845 min Scan# 1161
Delta R.T. -0.000 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 84 Resp: 109617

Ion	Ratio	Lower	Upper
84	100		
56	123.4	104.7	157.1
41	82.9	69.0	103.6



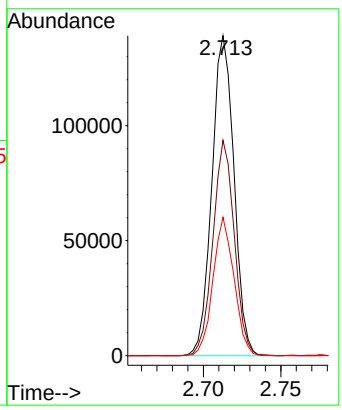


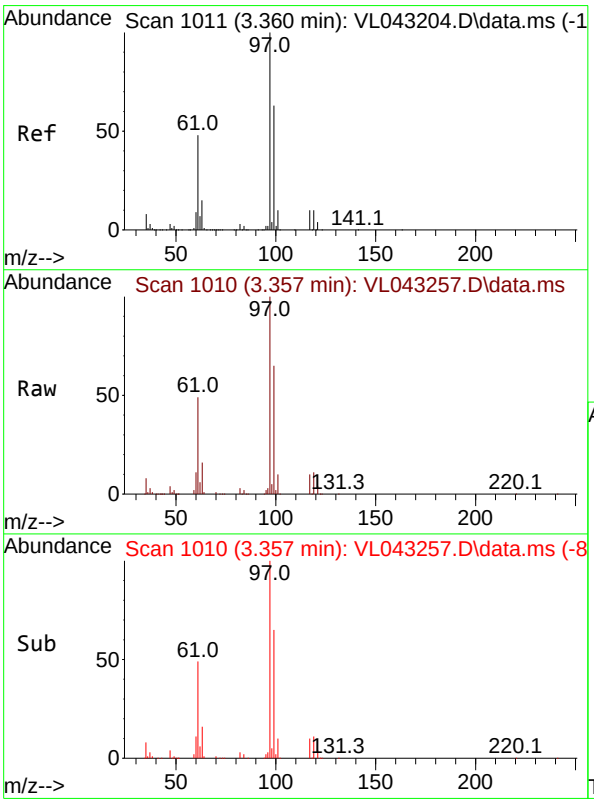
#31
cis-1,2-Dichloroethene
Concen: 10.277 ppbv
RT: 2.713 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 137895

Ion	Ratio	Lower	Upper
61	100		
96	67.3	49.3	73.9
98	43.2	32.1	48.1

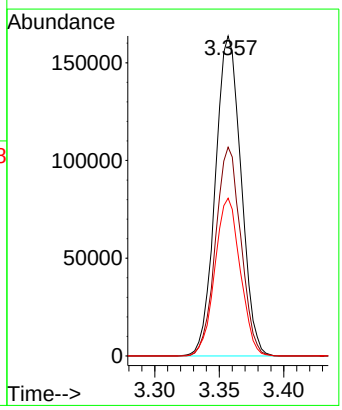


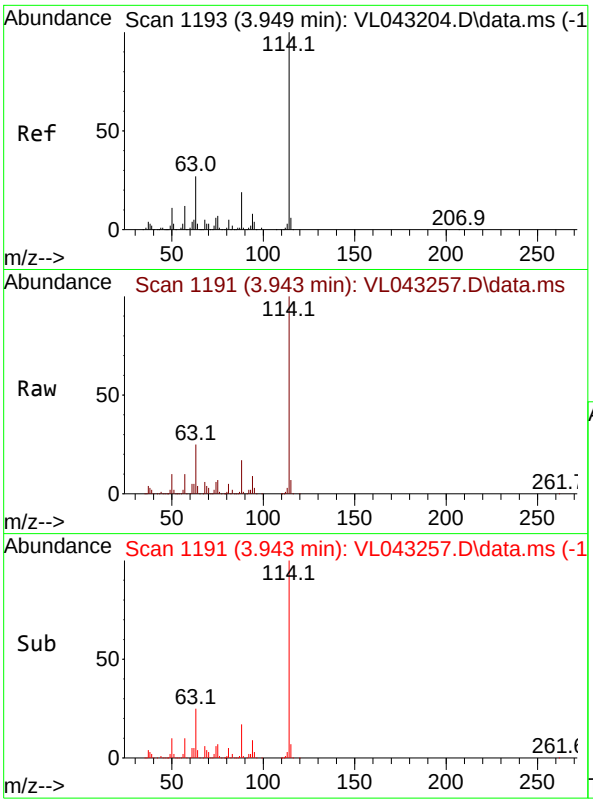


#32
1,1,1-Trichloroethane
Concen: 11.079 ppbv
RT: 3.357 min Scan# 1010
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 97 Resp: 226600

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.3	75.5
61	48.8	38.9	58.3



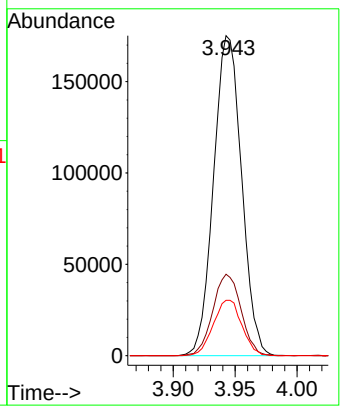


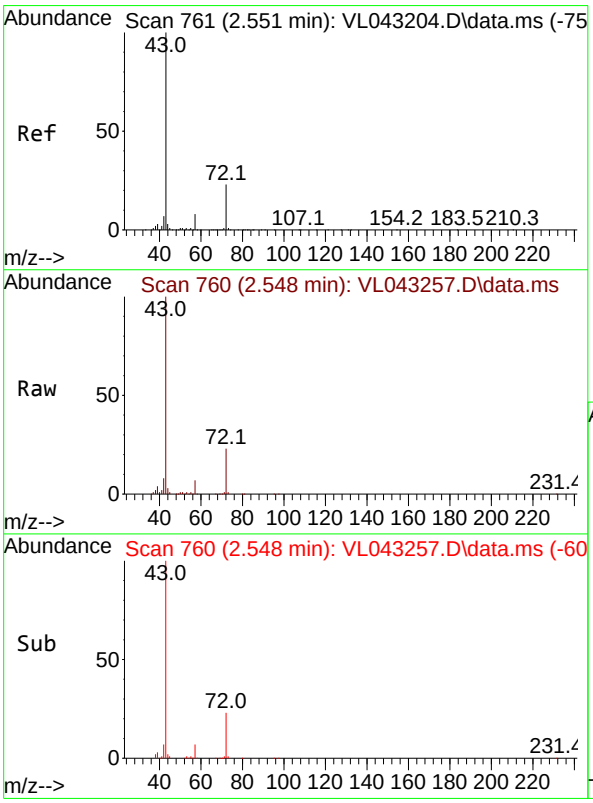
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.943 min Scan# 11
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 275595

Ion	Ratio	Lower	Upper
114	100		
63	25.7	21.0	31.6
88	17.7	14.9	22.3

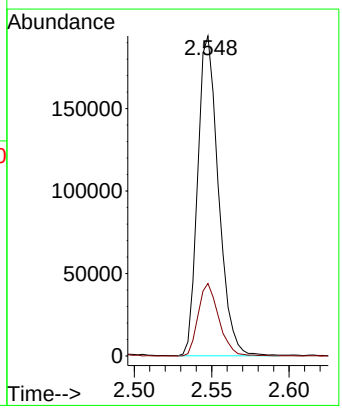


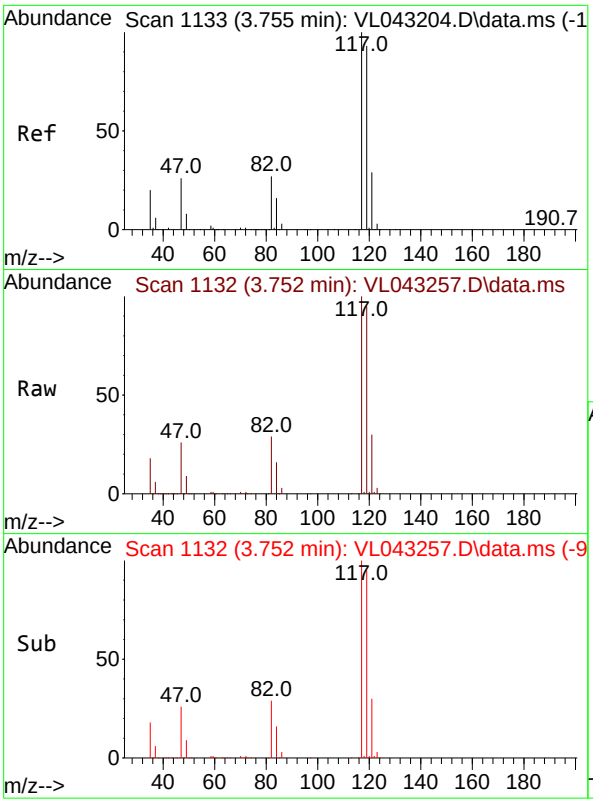


#34
2-Butanone
Concen: 9.303 ppbv
RT: 2.548 min Scan# 760
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 180979

Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.1	27.1



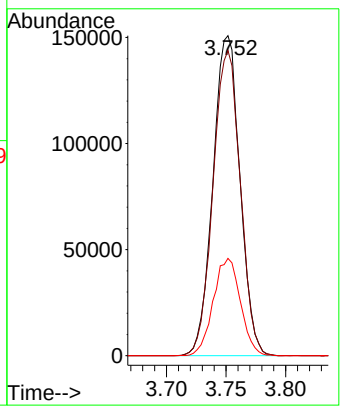


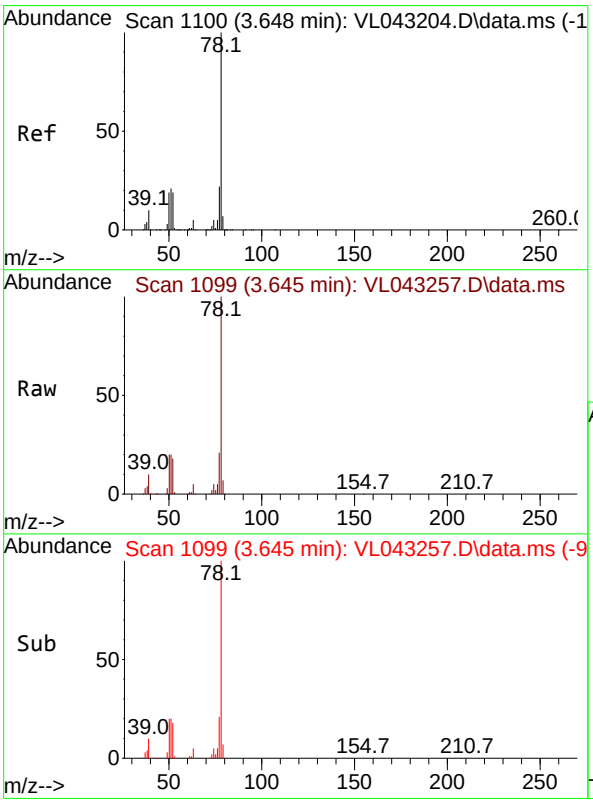
#35
Carbon Tetrachloride
Concen: 11.356 ppbv
RT: 3.752 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 237548

Ion	Ratio	Lower	Upper
117	100		
119	95.3	74.6	112.0
121	30.4	23.2	34.8

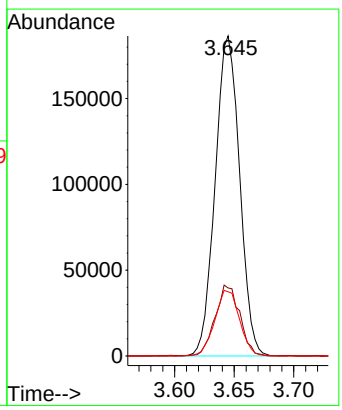


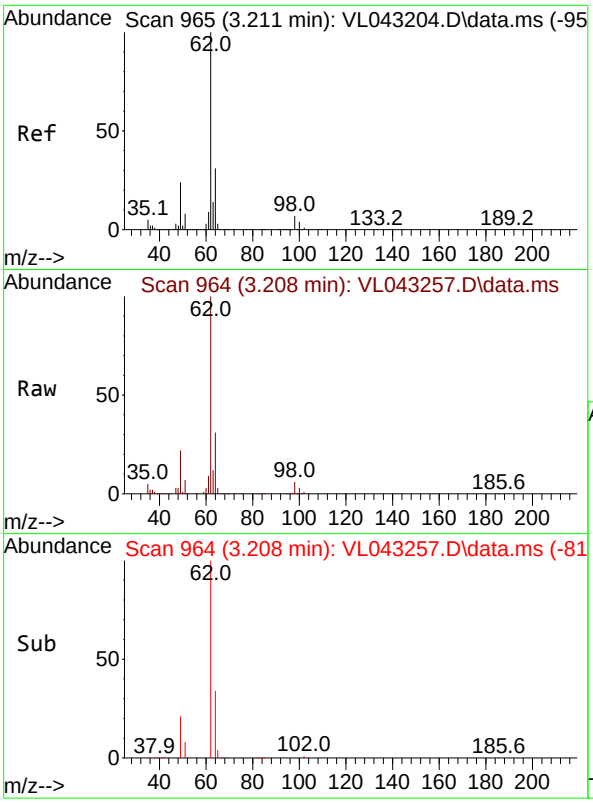


#36
Benzene
Concen: 10.078 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 78 Resp: 265981

Ion	Ratio	Lower	Upper
78	100		
77	21.3	17.5	26.3
50	20.0	15.5	23.3



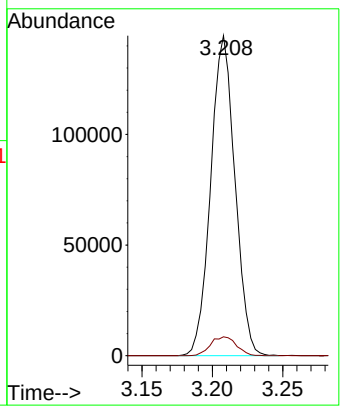


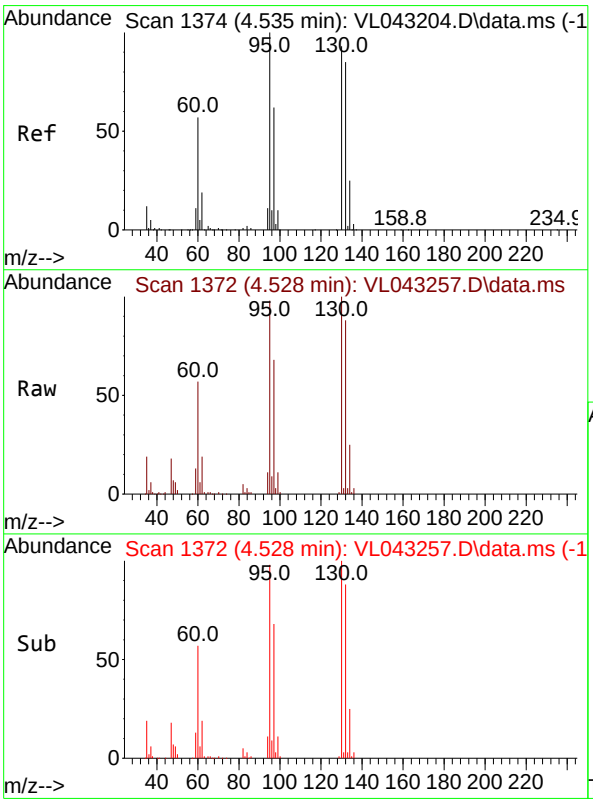
#37
1,2-Dichloroethane
Concen: 11.229 ppbv
RT: 3.208 min Scan# 9
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 173345

Ion	Ratio	Lower	Upper
62	100		
98	6.3	5.5	8.3

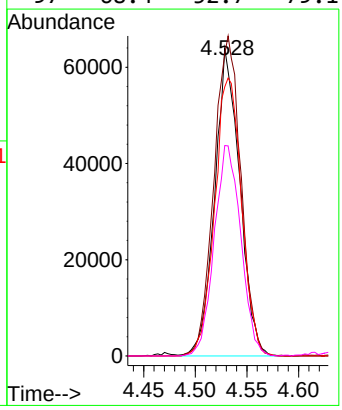


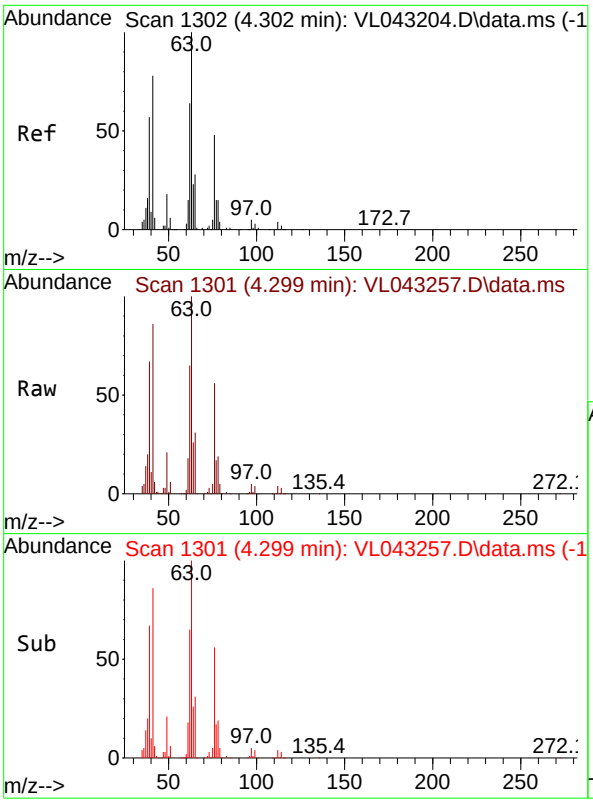


#38
Trichloroethene
Concen: 10.447 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:130 Resp: 107877

Ion	Ratio	Lower	Upper
130	100		
95	98.2	85.7	128.5
132	87.6	73.4	110.0
97	68.4	52.7	79.1



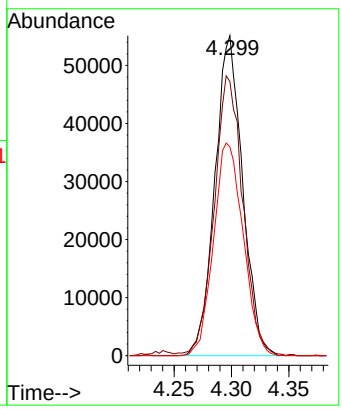


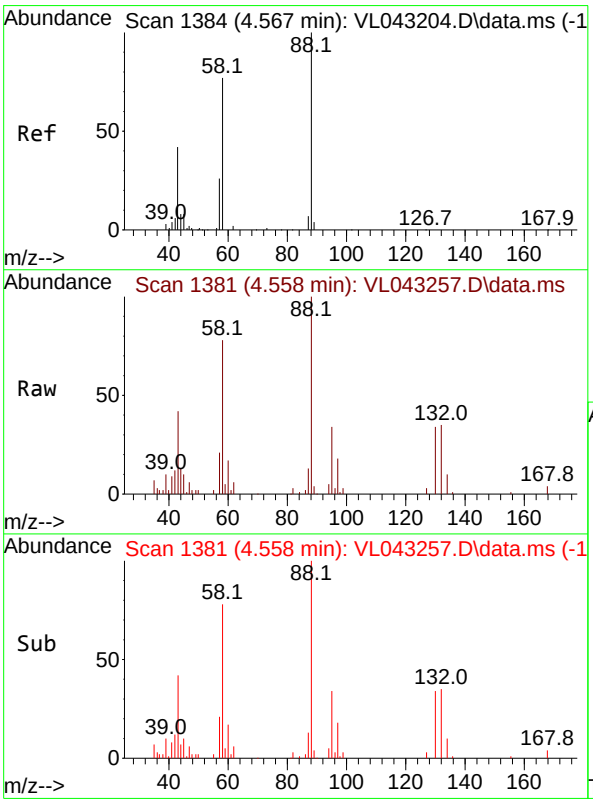
#39
1,2-Dichloropropane
Concen: 9.571 ppbv
RT: 4.299 min Scan# 1
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 63 Resp: 92453

Ion	Ratio	Lower	Upper
63	100		
41	84.9	62.6	93.8
62	65.3	51.0	76.6

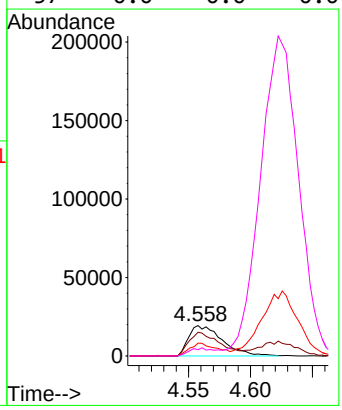


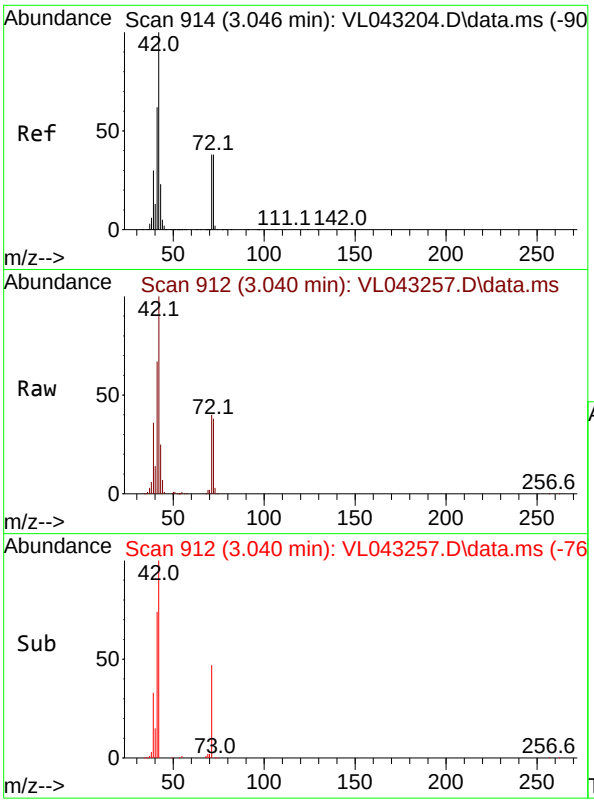


#40
1,4-Dioxane
Concen: 8.418 ppbv
RT: 4.558 min Scan# 1381
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 88 Resp: 36555

Ion	Ratio	Lower	Upper
88	100		
58	71.5	63.0	94.6
43	35.1	32.5	48.7
57	0.0	0.0	0.0



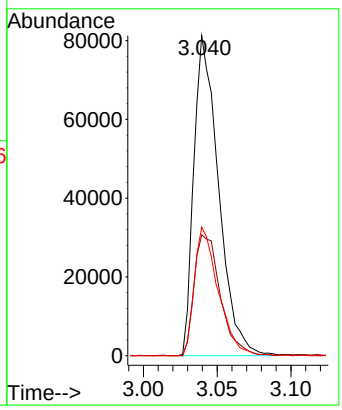


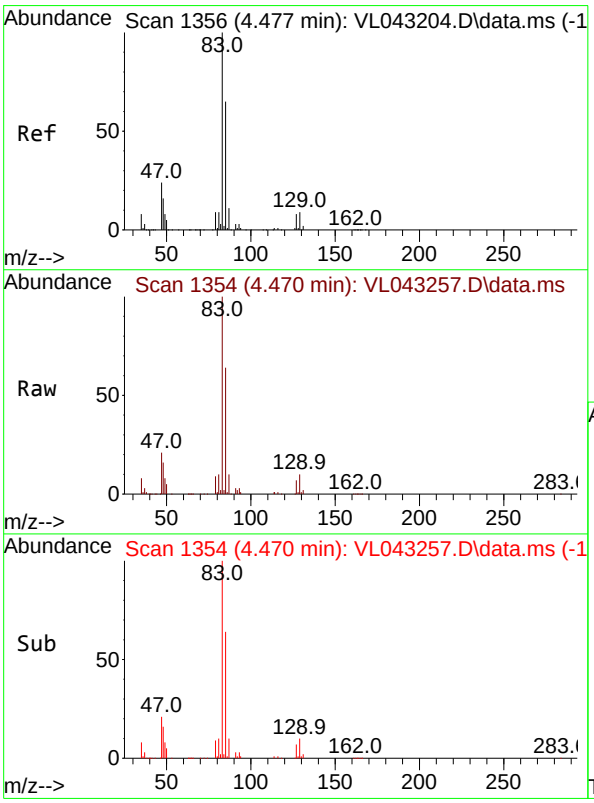
#41
Tetrahydrofuran
Concen: 8.822 ppbv
RT: 3.040 min Scan# 9
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 94776

Ion	Ratio	Lower	Upper
42	100		
72	39.9	30.6	46.0
71	39.0	30.5	45.7

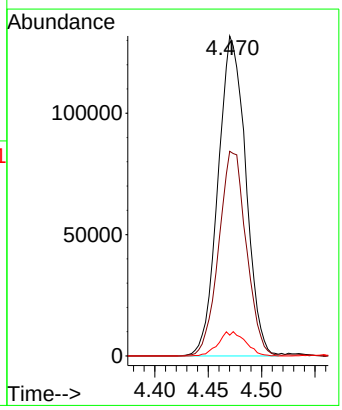


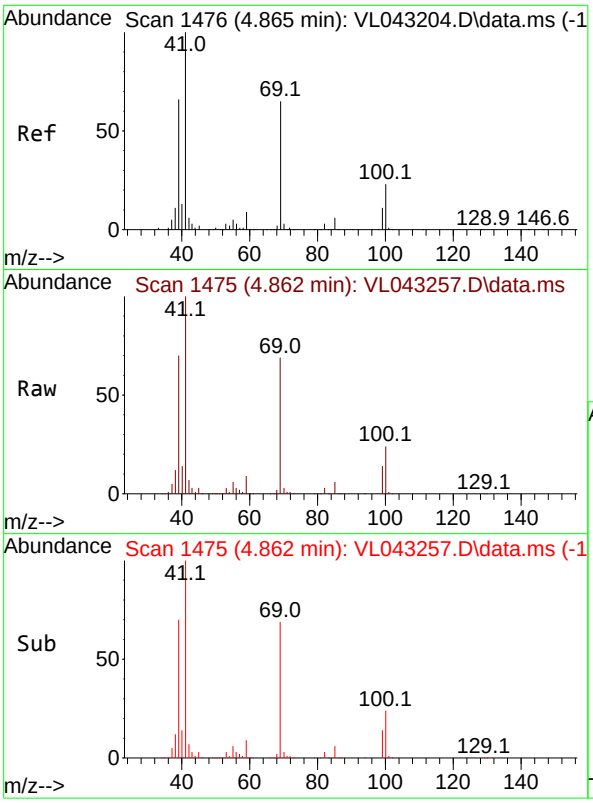


#42
Bromodichloromethane
Concen: 11.152 ppbv
RT: 4.470 min Scan# 1354
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 83 Resp: 237498

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.7	77.5
127	6.5	6.3	9.5



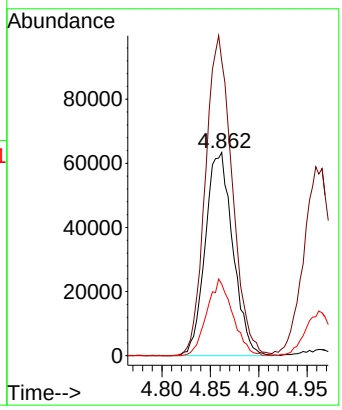


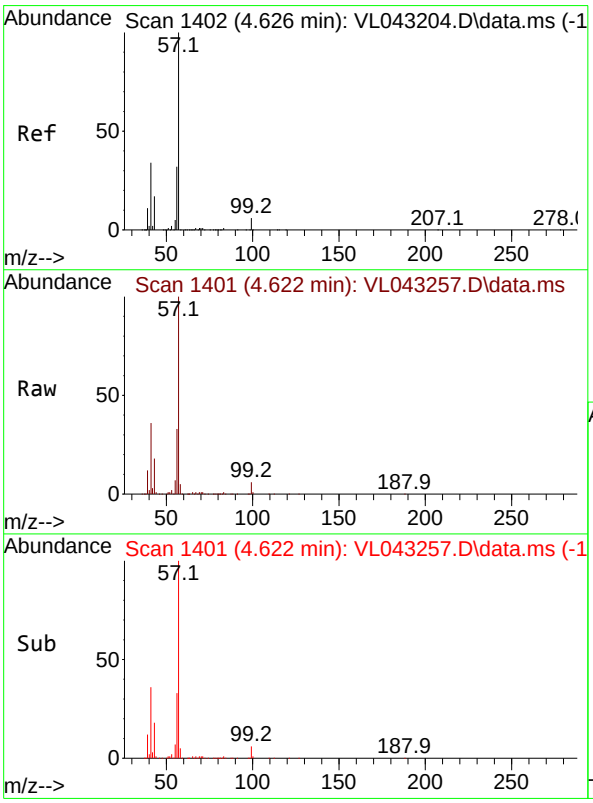
#43
Methyl Methacrylate
Concen: 8.957 ppbv
RT: 4.862 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 125480

Ion	Ratio	Lower	Upper
69	100		
41	152.5	126.7	190.1
100	35.4	28.6	43.0

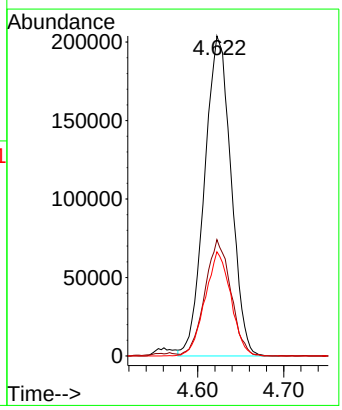


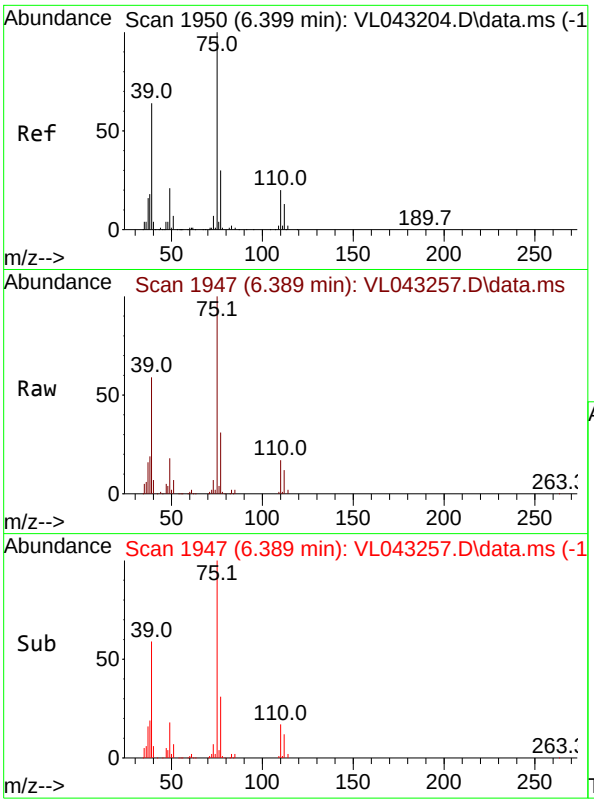


#44
2,2,4-Trimethylpentane
Concen: 9.643 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 57 Resp: 437108

Ion	Ratio	Lower	Upper
57	100		
41	36.3	28.0	42.0
56	31.7	25.6	38.4



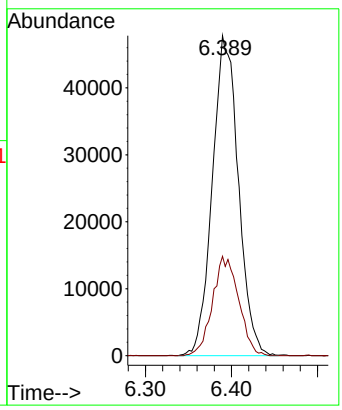


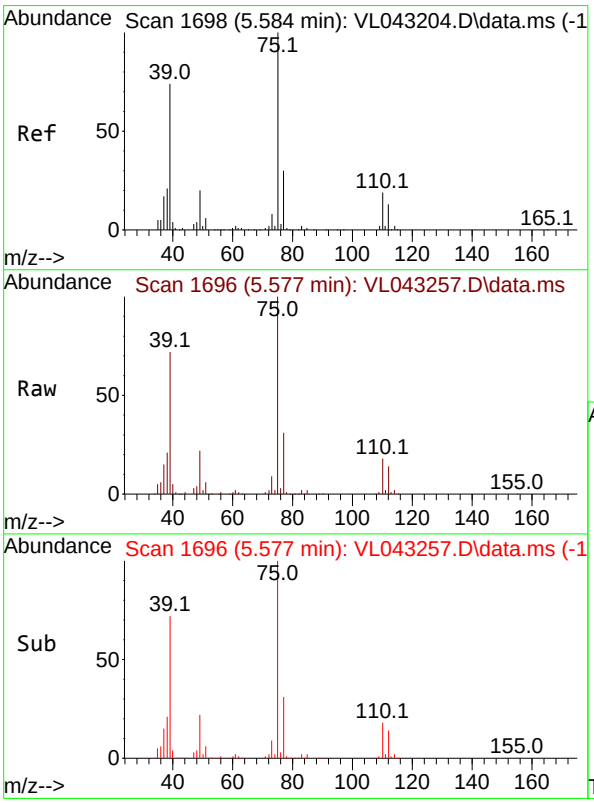
#45
t-1,3-Dichloropropene
Concen: 7.675 ppbv
RT: 6.389 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 100231

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.3	36.5

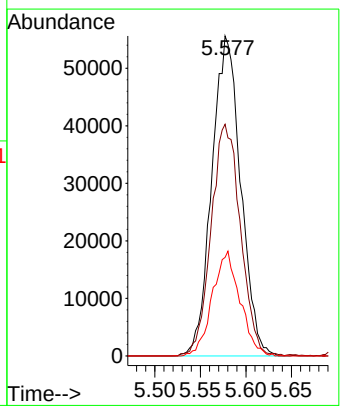


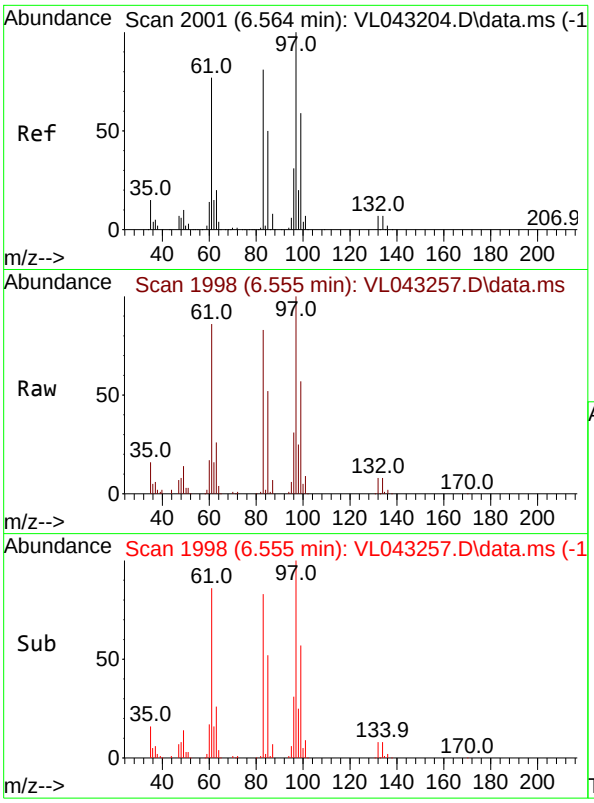


#46
cis-1,3-Dichloropropene
Concen: 7.989 ppbv
RT: 5.577 min Scan# 1696
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 75 Resp: 122504

Ion	Ratio	Lower	Upper
75	100		
39	72.3	59.1	88.7
77	30.8	24.2	36.2



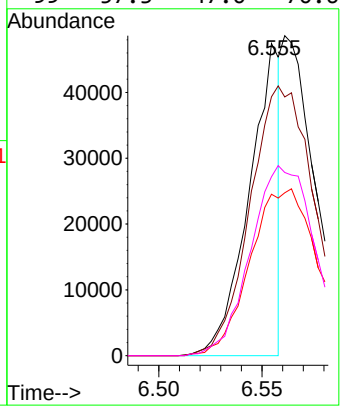


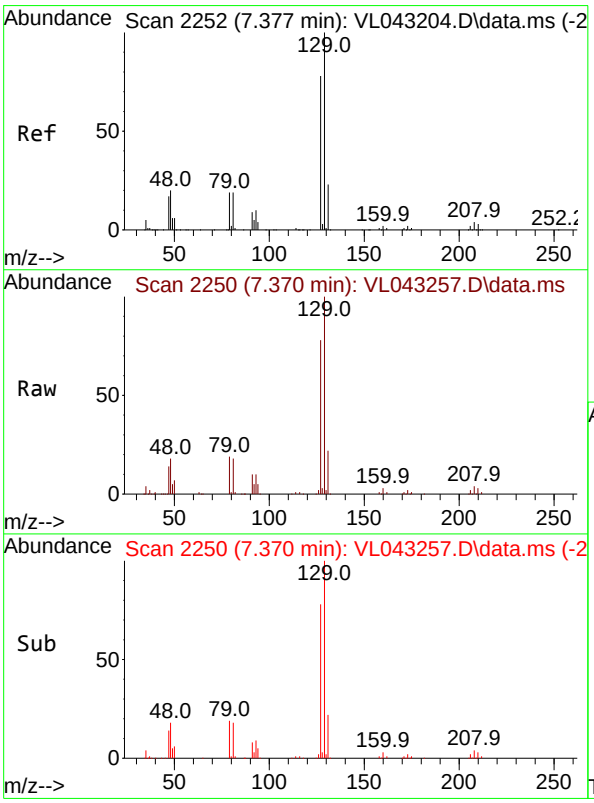
#47
1,1,2-Trichloroethane
Concen: 4.782 ppbv
RT: 6.555 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 49025

Ion	Ratio	Lower	Upper
97	100		
83	82.9	64.6	97.0
85	51.7	39.4	59.2
99	57.3	47.0	70.6

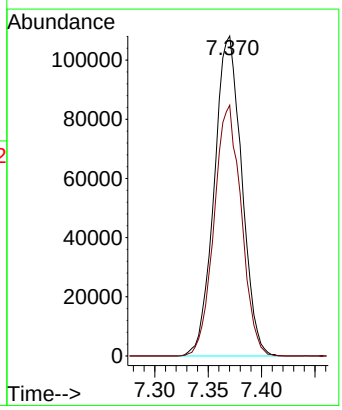


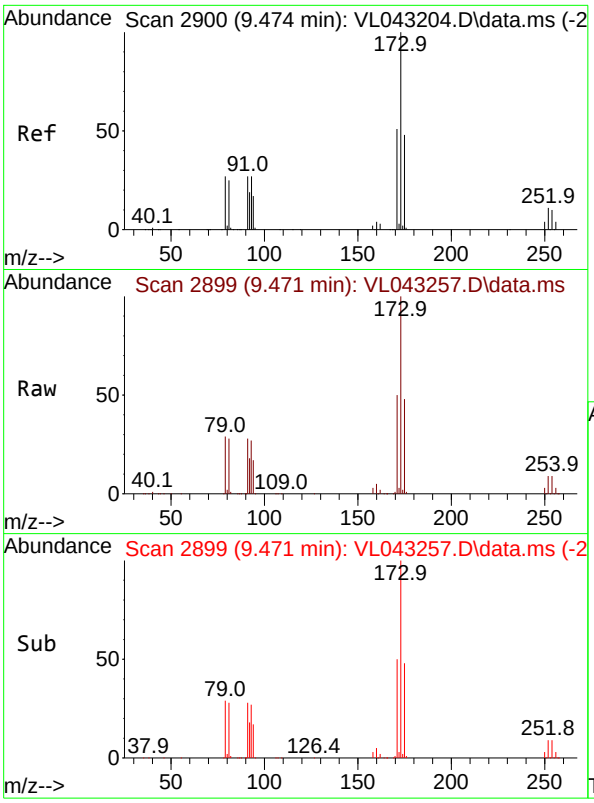


#48
Dibromochloromethane
Concen: 10.997 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:129 Resp: 193819

Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.3	117.9



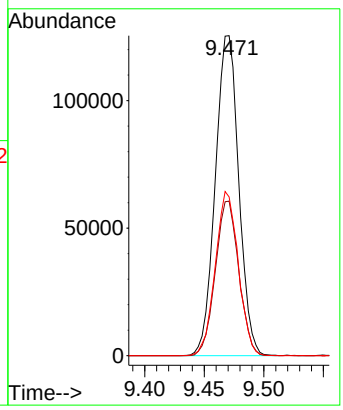


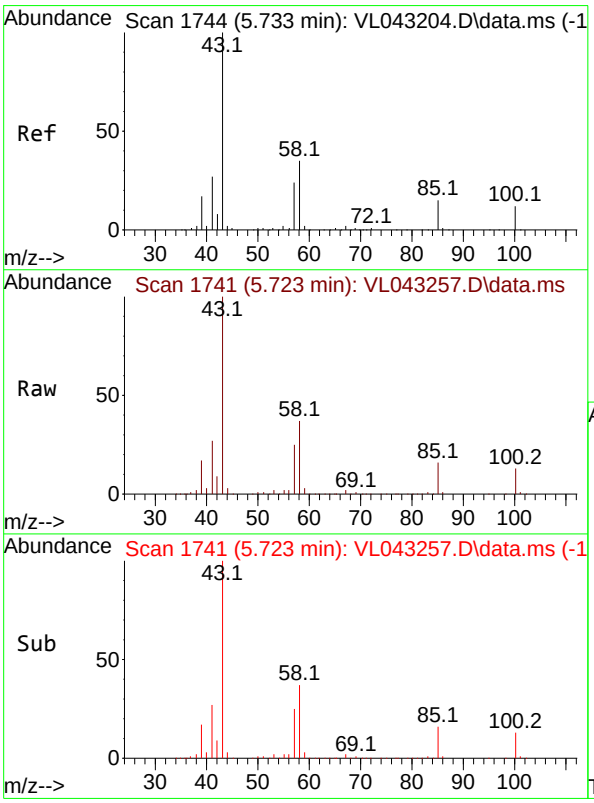
#49
Bromoform
Concen: 10.994 ppbv
RT: 9.471 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 171644

Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
171	50.3	40.6	61.0

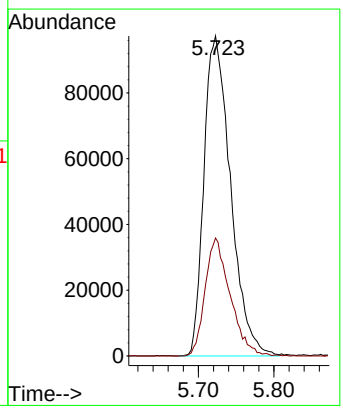


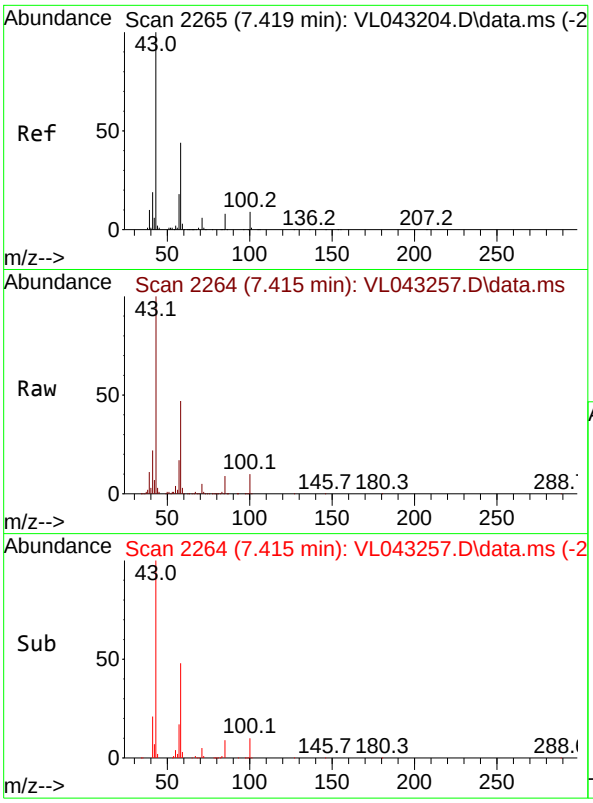


#50
4-Methyl-2-Pentanone
Concen: 8.688 ppbv
RT: 5.723 min Scan# 1741
Delta R.T. -0.010 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 43 Resp: 238084

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.4	42.6



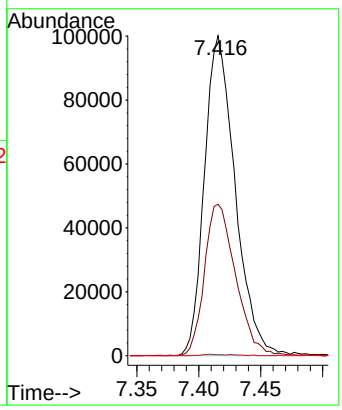


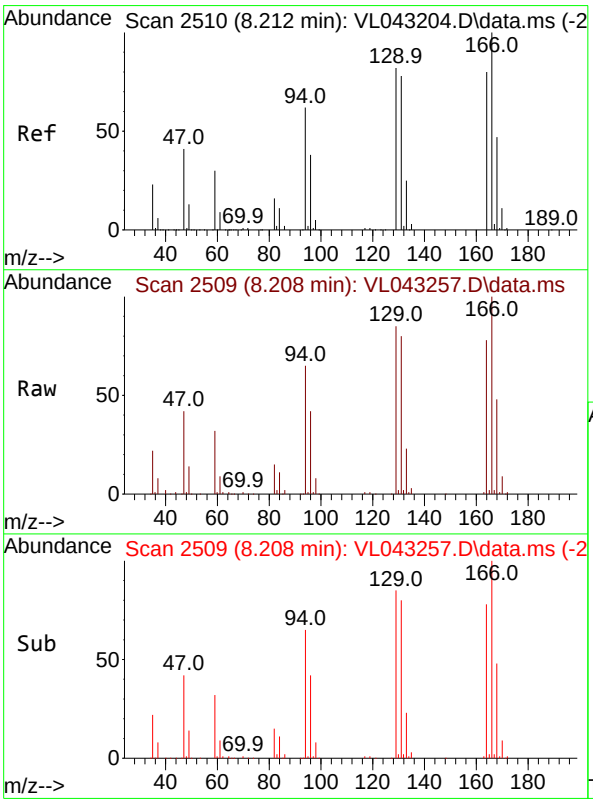
#51
2-Hexanone
Concen: 8.097 ppbv
RT: 7.415 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 172317

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.4	57.6
98	0.4	0.0	0.0#

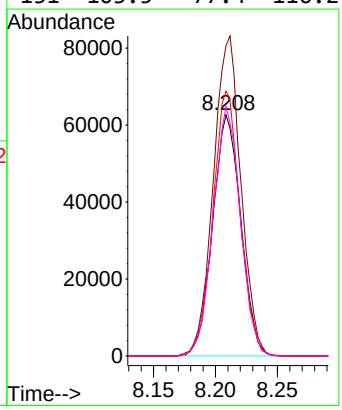


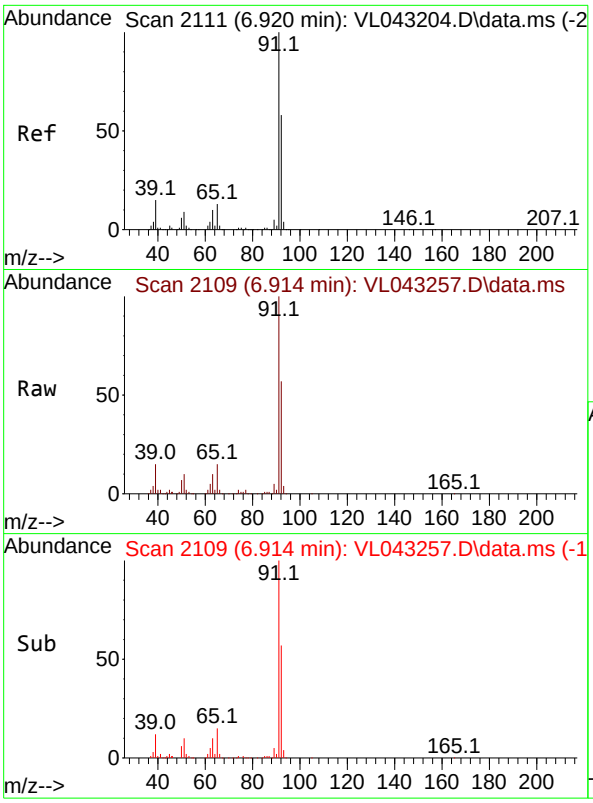


#52
Tetrachloroethene
Concen: 10.097 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:164 Resp: 99129

Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.4	149.2
129	109.9	81.8	122.8
131	103.5	77.4	116.2



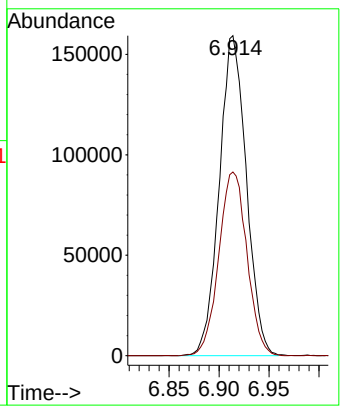


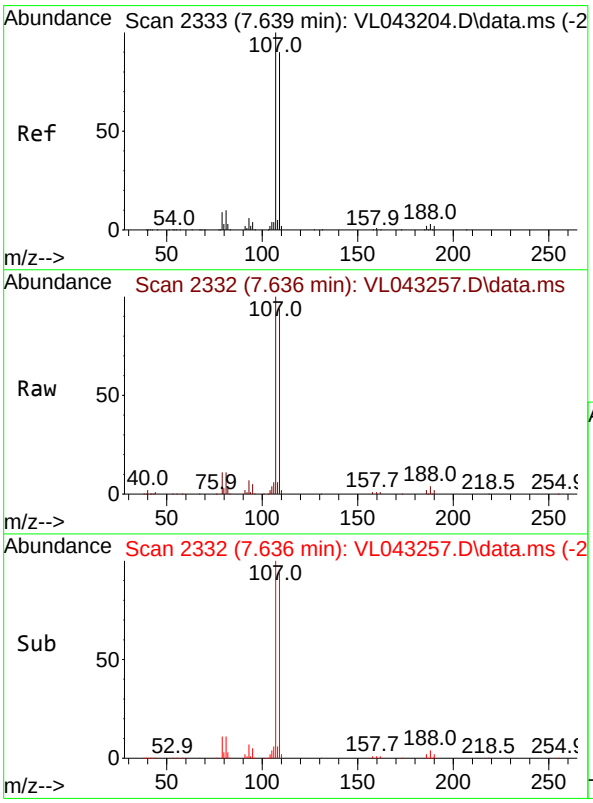
#53
Toluene
Concen: 9.604 ppbv
RT: 6.914 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 300158

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.4	71.0

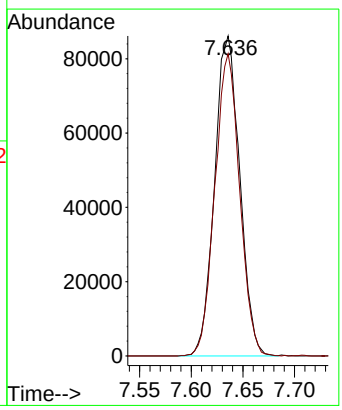


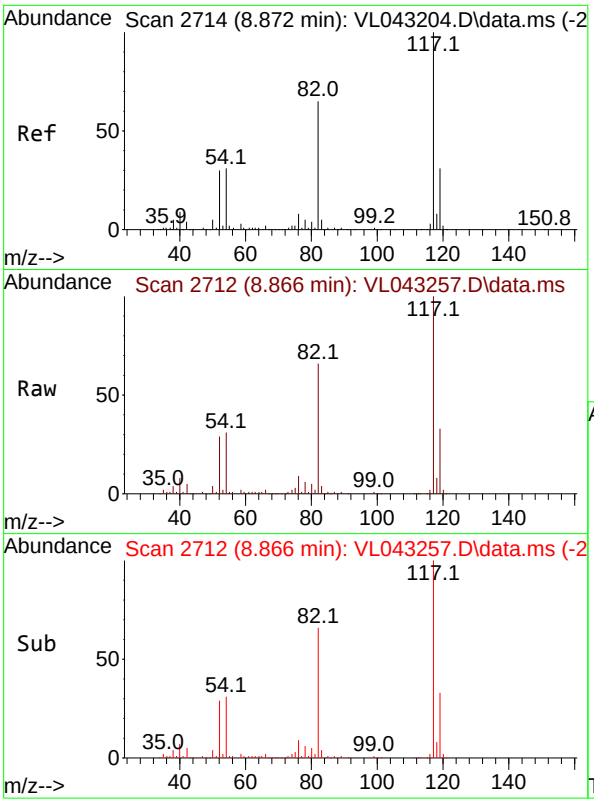


#54
1,2-Dibromoethane
Concen: 9.684 ppbv
RT: 7.636 min Scan# 2332
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:107 Resp: 146099

Ion	Ratio	Lower	Upper
107	100		
109	94.4	72.1	108.1



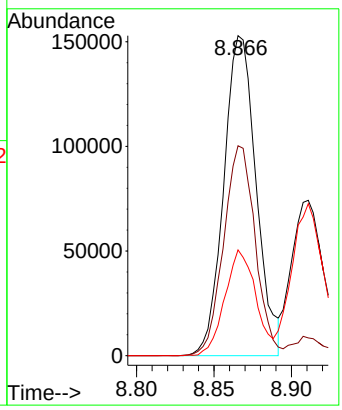


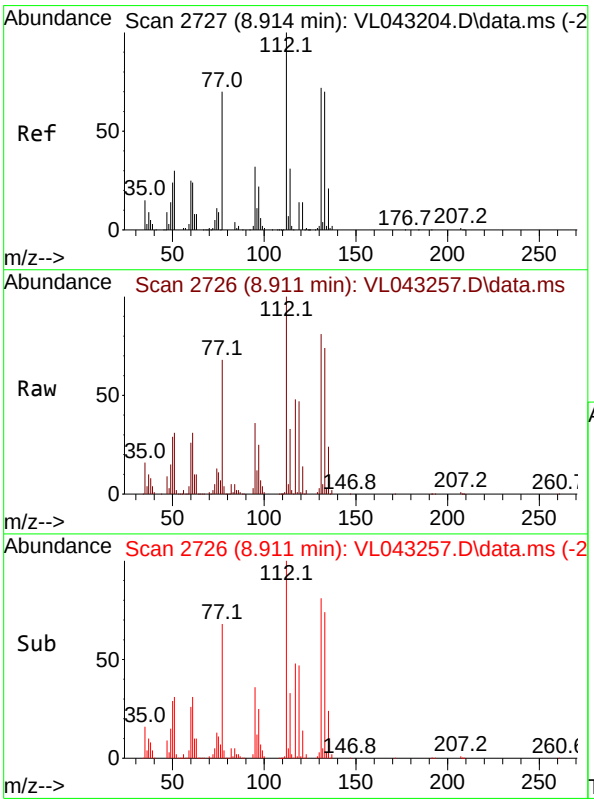
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.866 min Scan# 2
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 222776

Ion	Ratio	Lower	Upper
117	100		
82	65.1	56.1	84.1
119	32.7	25.0	37.6

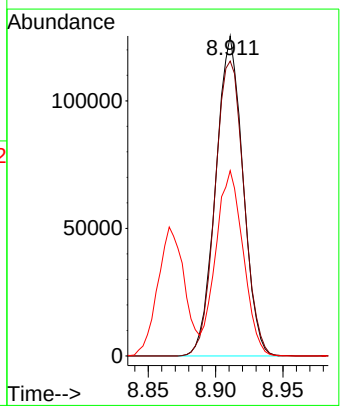


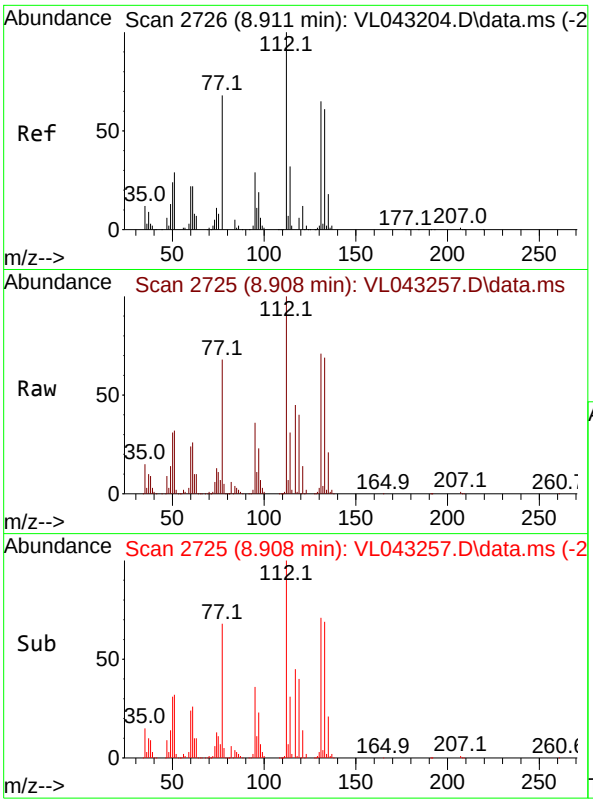


#56
1,1,1,2-Tetrachloroethane
Concen: 10.787 ppbv
RT: 8.911 min Scan# 2726
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:131 Resp: 176606

Ion	Ratio	Lower	Upper
131	100		
133	97.5	77.4	116.2
119	59.3	49.1	73.7



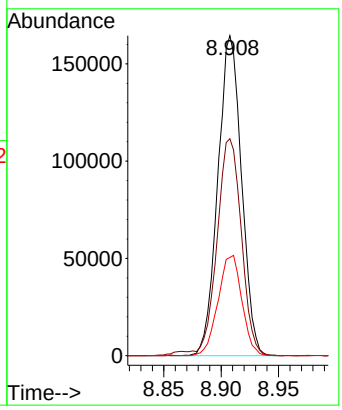


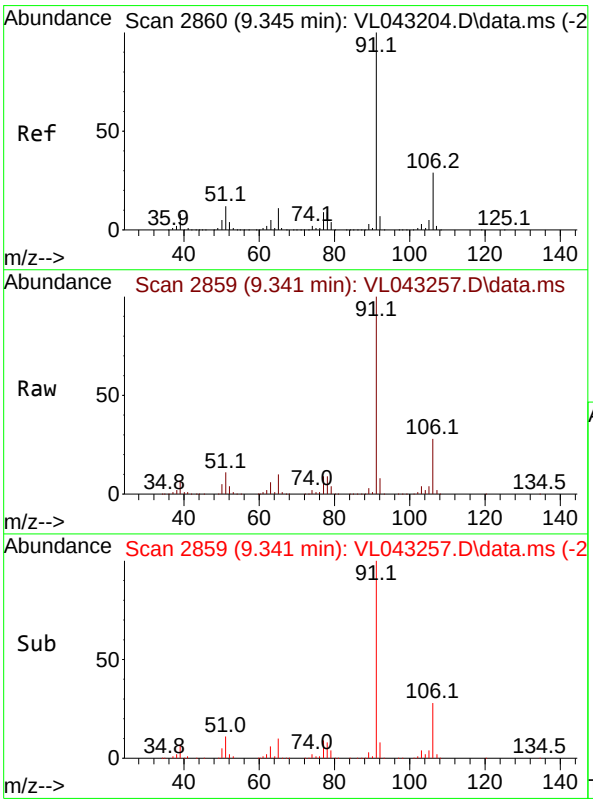
#57
Chlorobenzene
Concen: 10.333 ppbv
RT: 8.908 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 236347

Ion	Ratio	Lower	Upper
112	100		
77	67.8	55.5	83.3
114	30.7	29.1	35.5

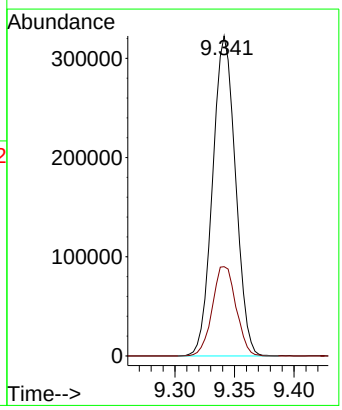


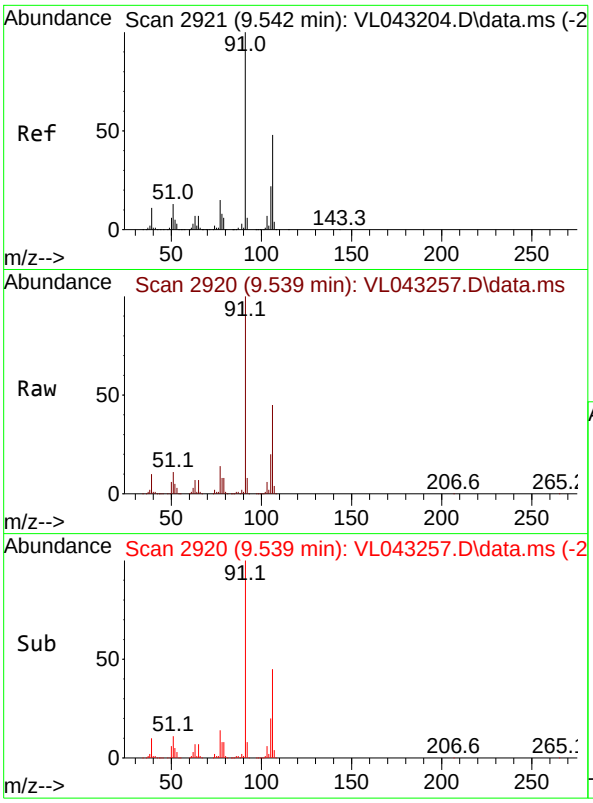


#58
Ethyl Benzene
Concen: 10.037 ppbv
RT: 9.341 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 430385

Ion	Ratio	Lower	Upper
91	100		
106	27.9	22.8	34.2



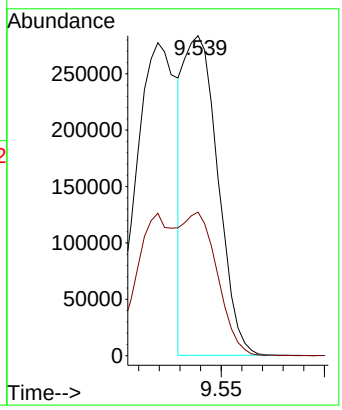


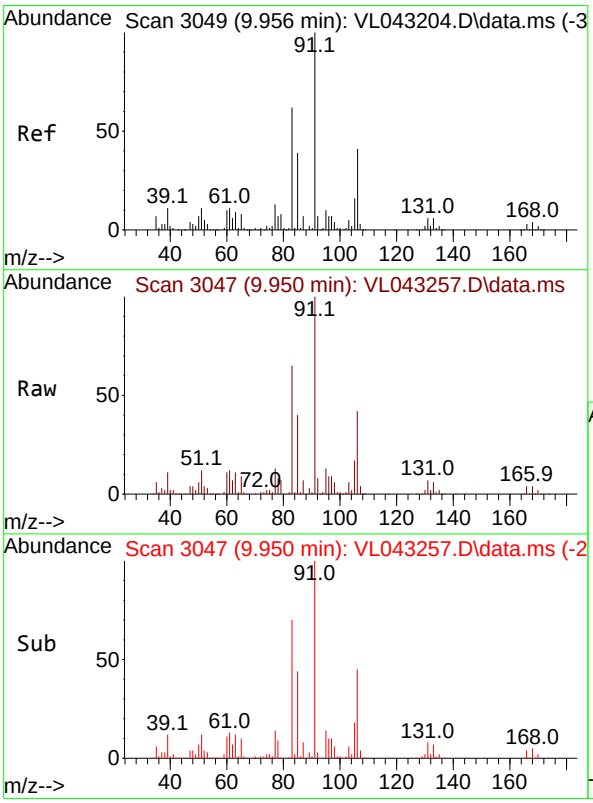
#59
m/p-Xylene
Concen: 9.459 ppbv
RT: 9.539 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 325160

Ion	Ratio	Lower	Upper
91	100		
106	96.7	36.1	54.1#

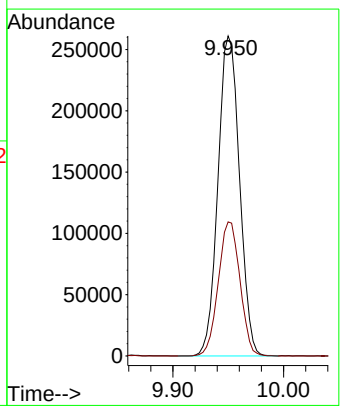


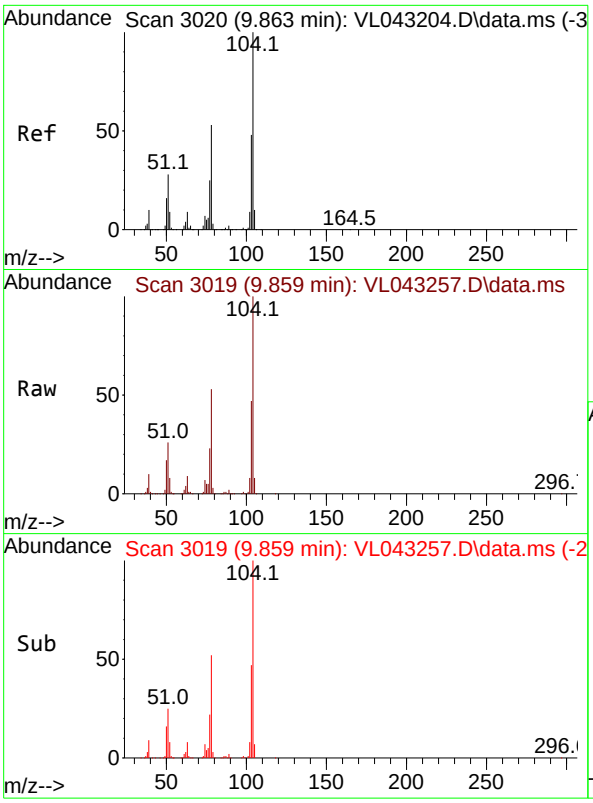


#60
o-Xylene
Concen: 10.284 ppbv
RT: 9.950 min Scan# 3047
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 353166

Ion	Ratio	Lower	Upper
91	100		
106	42.1	20.9	62.8



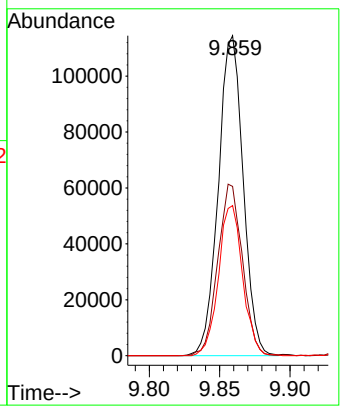


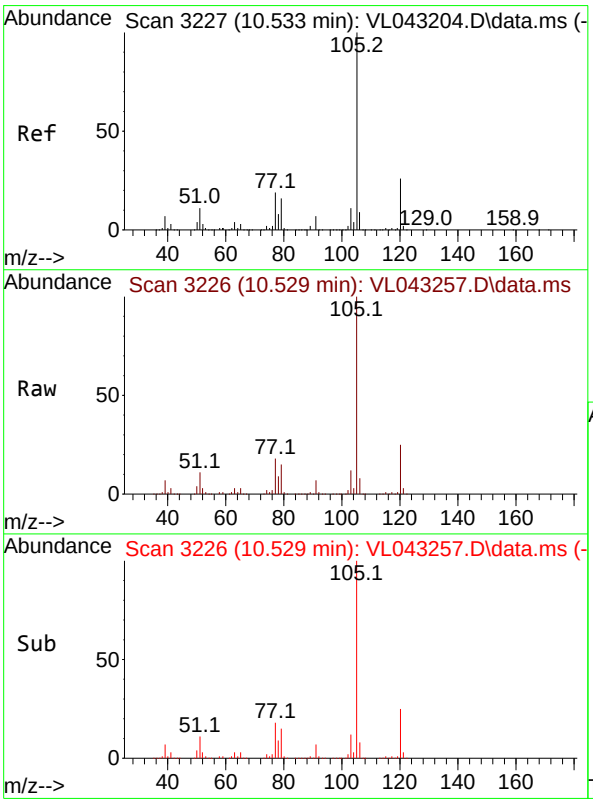
#61
Styrene
Concen: 9.353 ppbv
RT: 9.859 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 140574

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.1	63.1
103	45.7	37.2	55.8

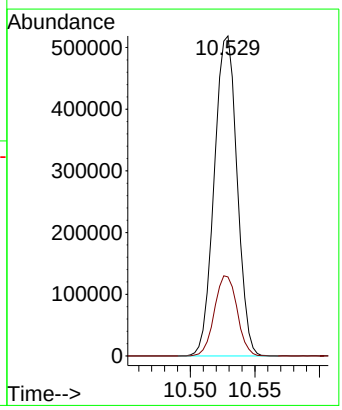


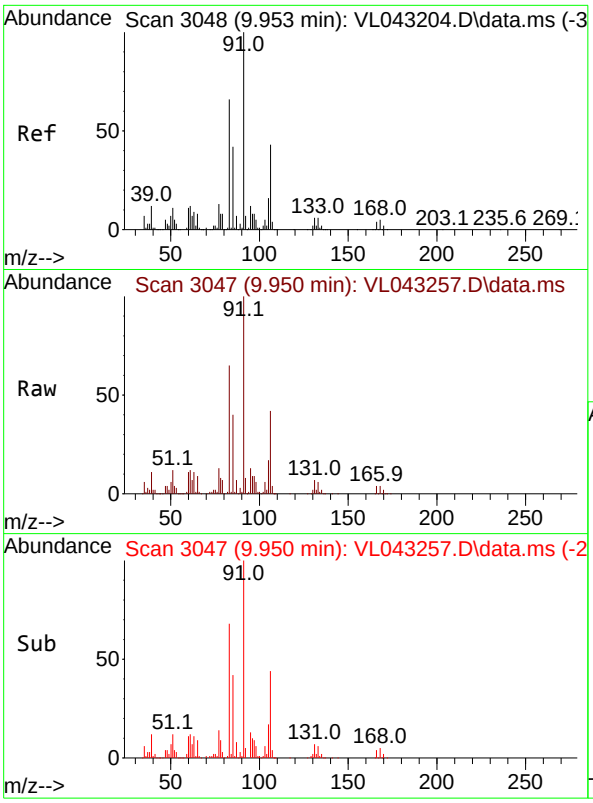


#62
Isopropylbenzene
Concen: 10.379 ppbv
RT: 10.529 min Scan# 3226
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 637682

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.8	29.8



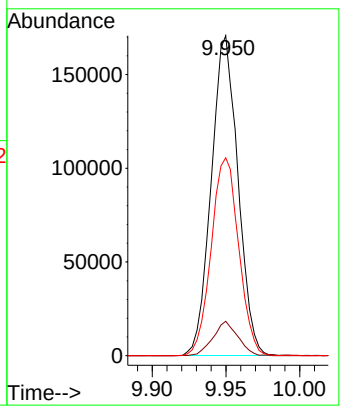


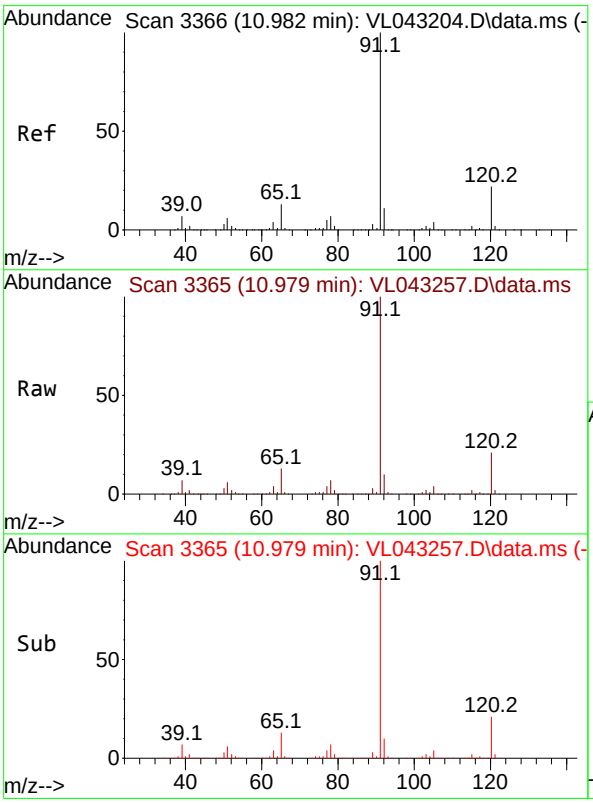
#63
1,1,2,2-Tetrachloroethane
Concen: 9.817 ppbv
RT: 9.950 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 214523

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	63.9	31.9	95.9

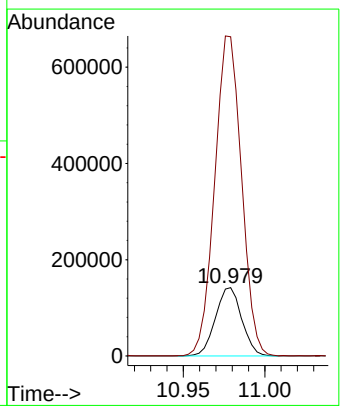


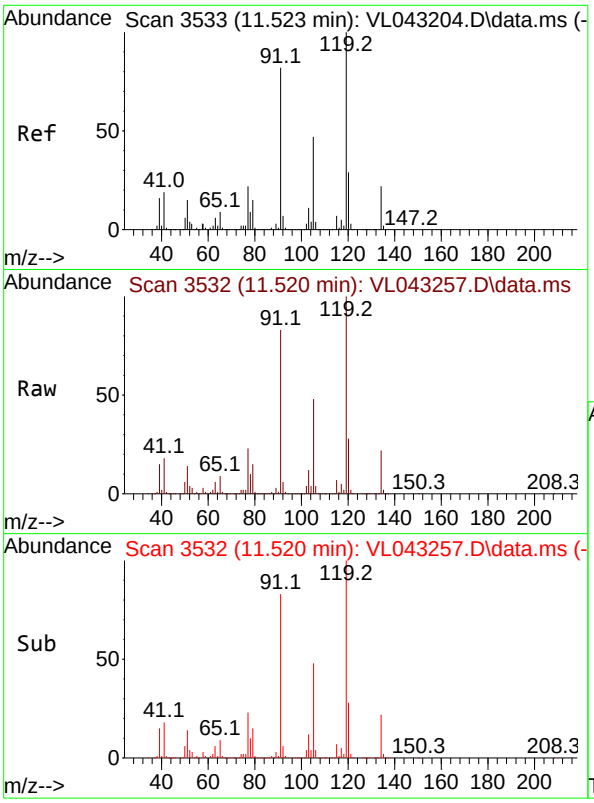


#64
n-propylbenzene
Concen: 10.052 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:120 Resp: 158685

Ion	Ratio	Lower	Upper
120	100		
91	479.0	377.1	565.7



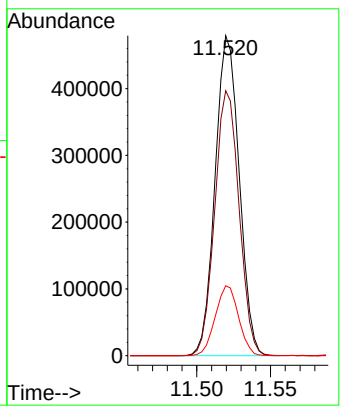


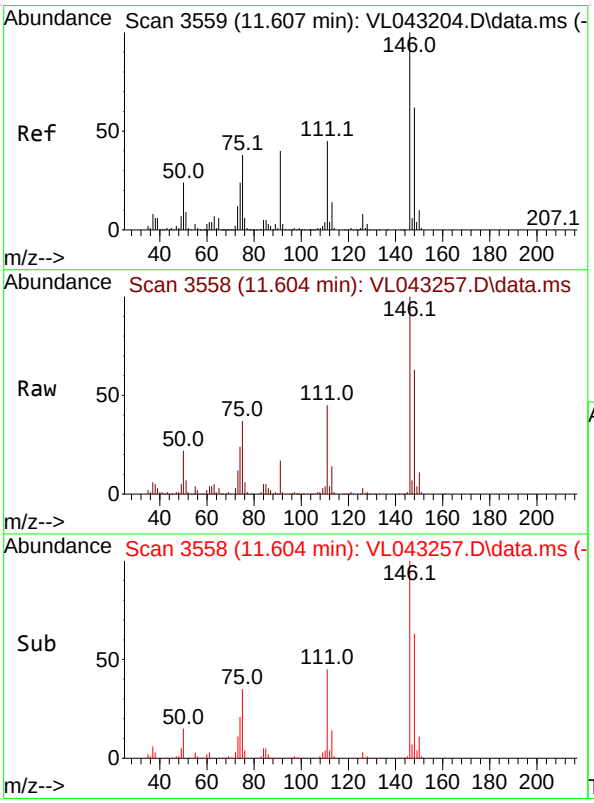
#65
tert-Butylbenzene
Concen: 9.932 ppbv
RT: 11.520 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 544959

Ion	Ratio	Lower	Upper
119	100		
91	83.7	65.3	97.9
134	21.1	17.0	25.4

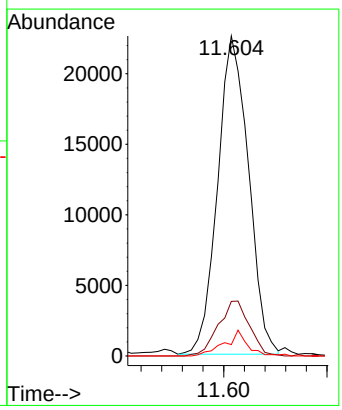


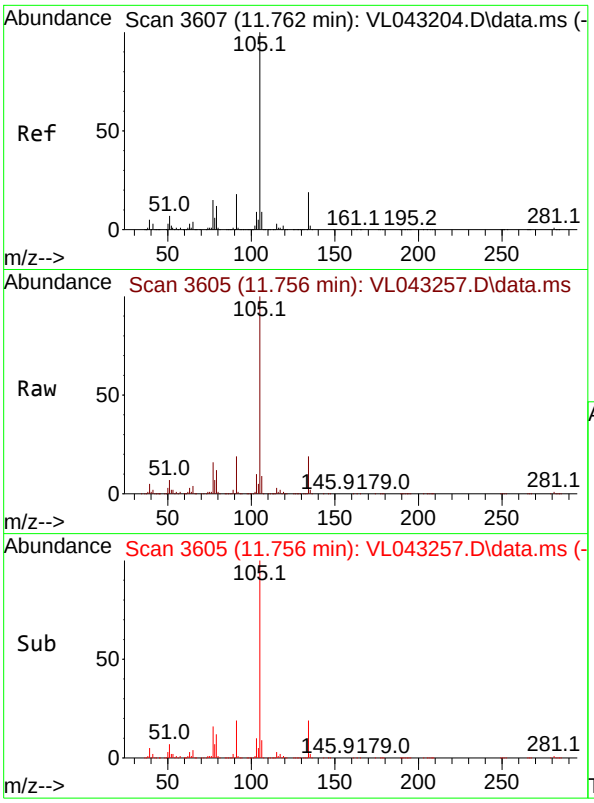


#66
Benzyl Chloride
Concen: 4.210 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 23441

Ion	Ratio	Lower	Upper
91	100		
126	17.5	14.4	21.6
128	6.0	4.6	6.8



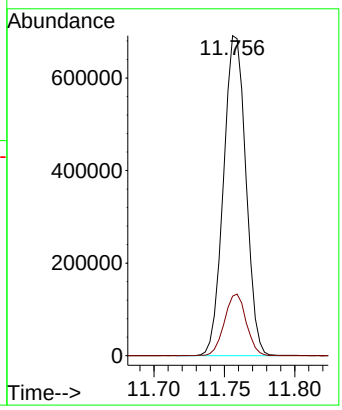


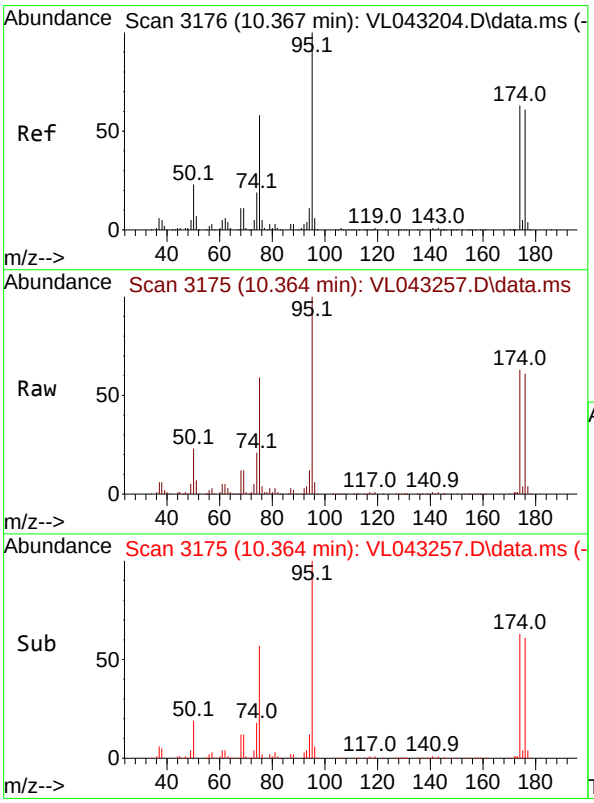
#67
sec-Butylbenzene
Concen: 9.982 ppbv
RT: 11.756 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 764527

Ion	Ratio	Lower	Upper
105	100		
134	18.8	15.0	22.6

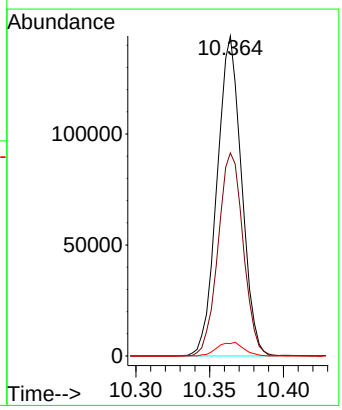


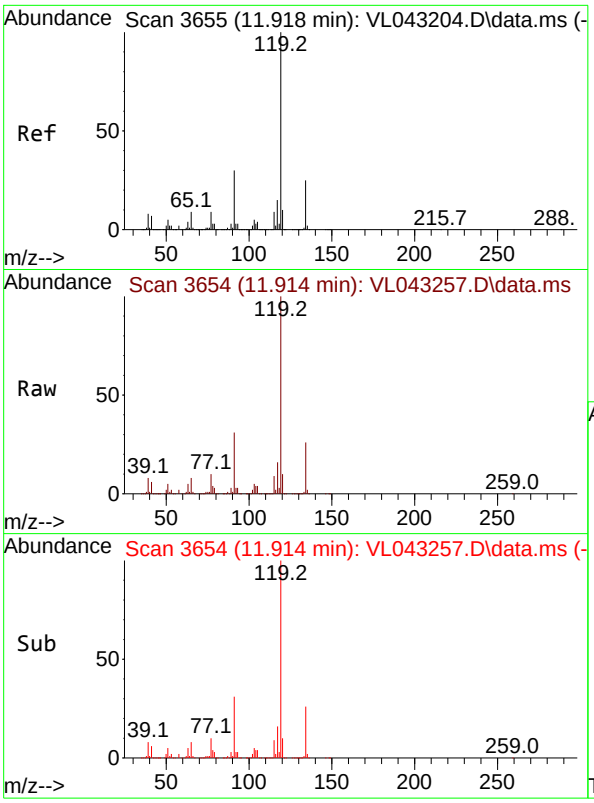


#68
1-Bromo-4-Fluorobenzene
Concen: 10.198 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 95 Resp: 166532

Ion	Ratio	Lower	Upper
95	100		
174	65.2	50.2	75.2
175	4.6	4.1	6.1



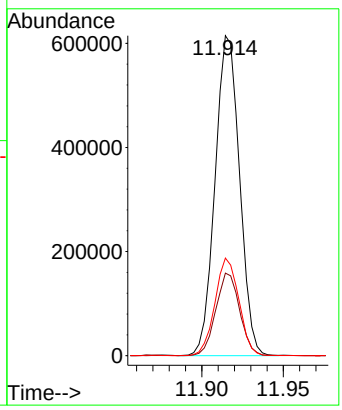


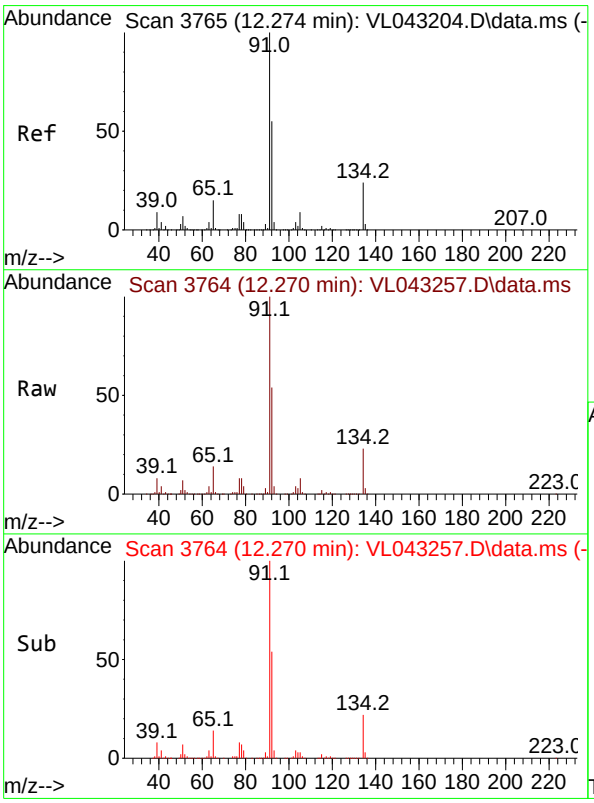
#69
p-Isopropyltoluene
Concen: 9.886 ppbv
RT: 11.914 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 641411

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	30.0	23.8	35.8

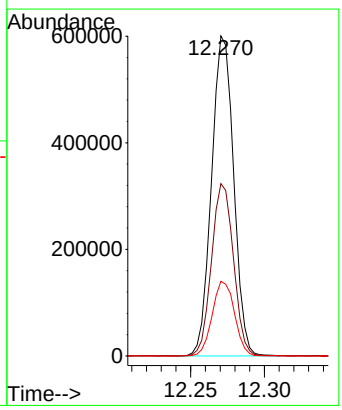


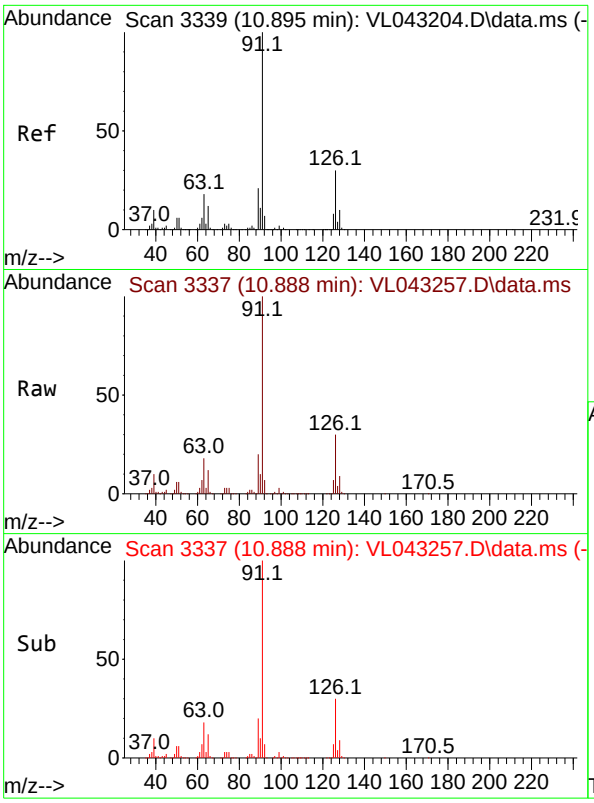


#70
n-Butylbenzene
Concen: 9.948 ppbv
RT: 12.270 min Scan# 3764
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion: 91 Resp: 626151

Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.5	65.3
134	23.5	19.0	28.6



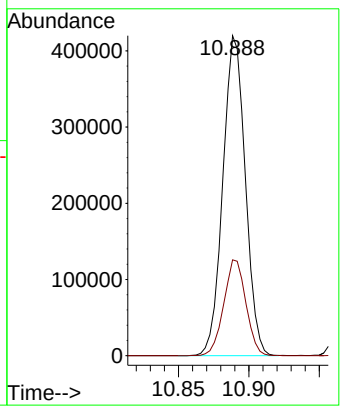


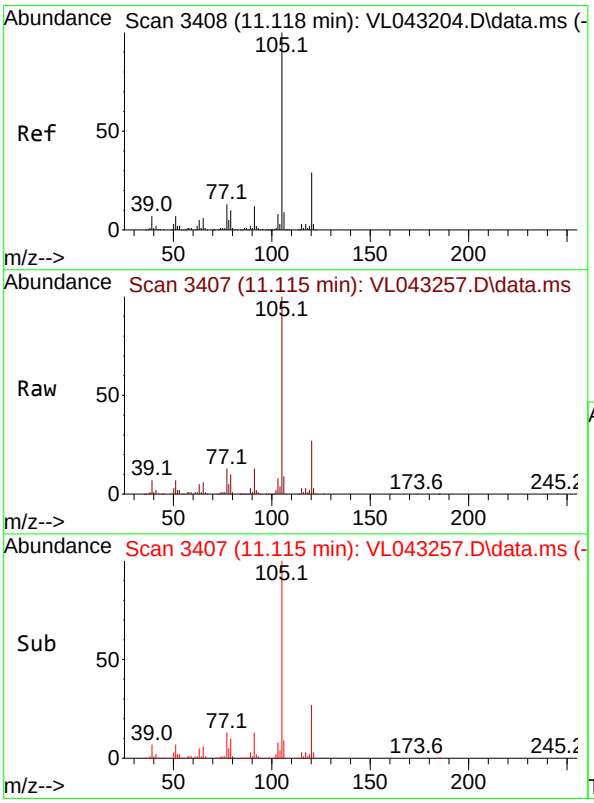
#71
2-Chlorotoluene
Concen: 9.875 ppbv
RT: 10.888 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 466353

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.7	46.7

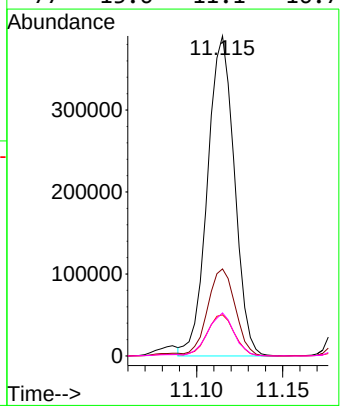


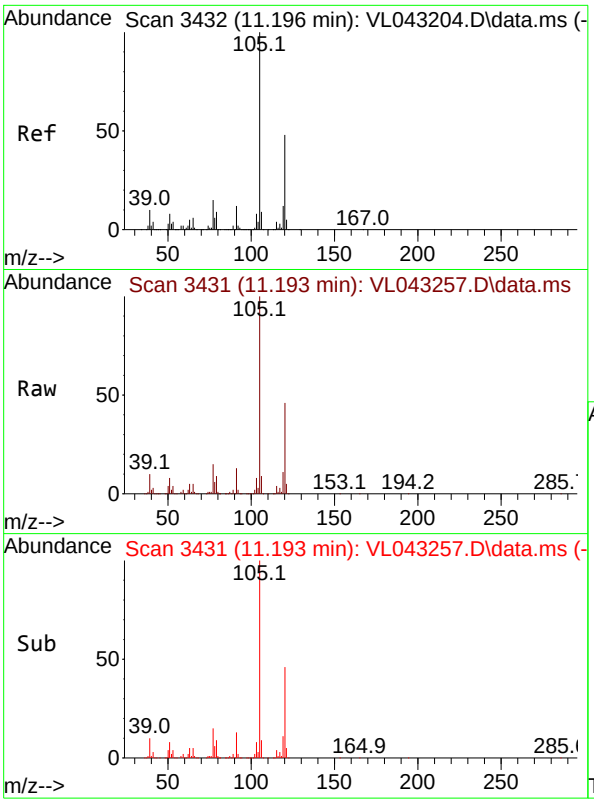


#72
4-Ethyltoluene
Concen: 10.147 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 424355

Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.8	35.8
91	13.9	10.3	15.5
77	13.6	11.1	16.7



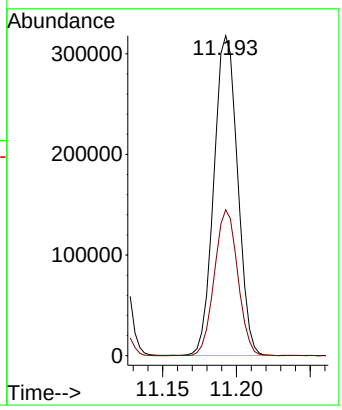


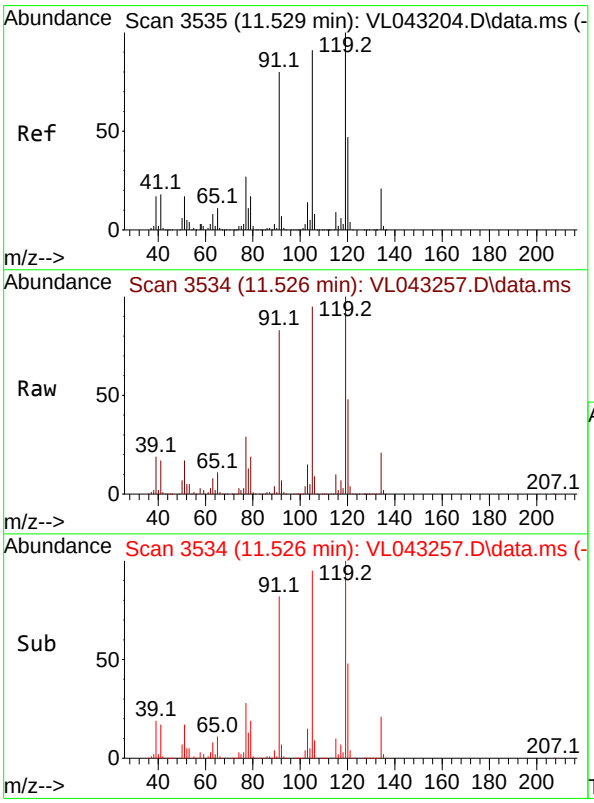
#73
1,3,5-Trimethylbenzene
Concen: 10.119 ppbv
RT: 11.193 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 355138

Ion	Ratio	Lower	Upper
105	100		
120	45.6	38.6	57.8

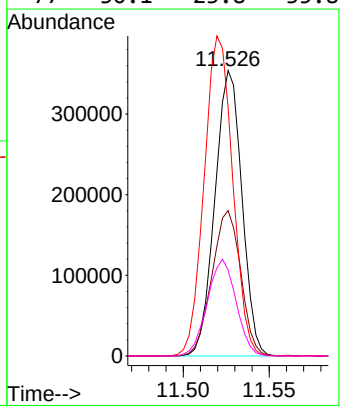


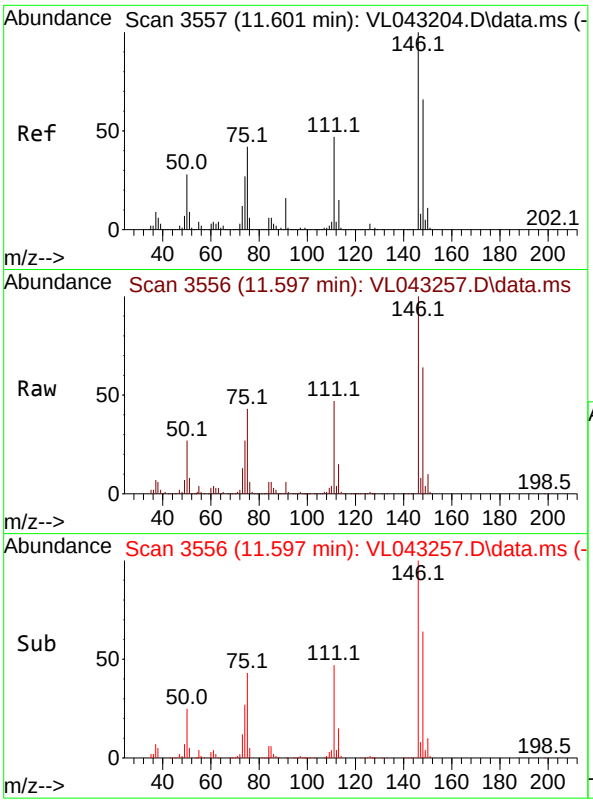


#74
1,2,4-Trimethylbenzene
Concen: 10.095 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:105 Resp: 386671

Ion	Ratio	Lower	Upper
105	100		
120	51.0	41.7	62.5
91	87.0	70.0	105.0
77	30.1	23.8	35.8



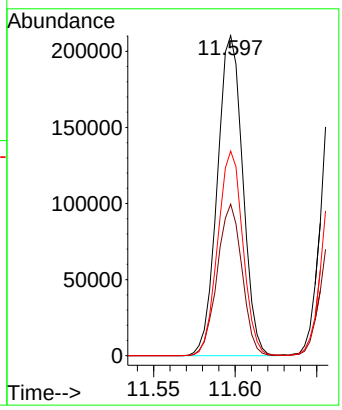


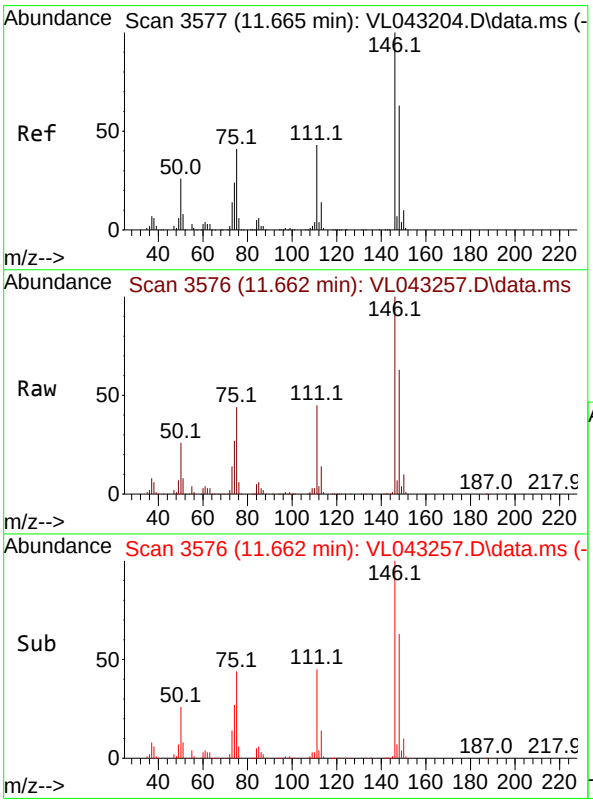
#75
1,3-Dichlorobenzene
Concen: 10.196 ppbv
RT: 11.597 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 227896

Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.4	70.3
148	63.1	31.6	95.0

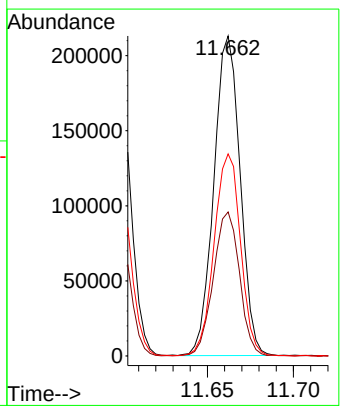


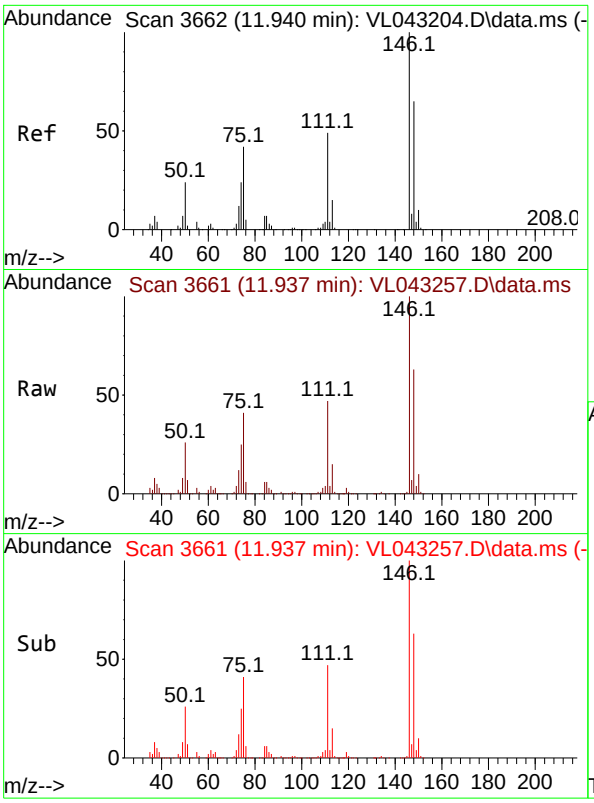


#76
1,4-Dichlorobenzene
Concen: 10.117 ppbv
RT: 11.662 min Scan# 3576
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:146 Resp: 226164

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.8	68.3
148	63.7	31.8	95.4



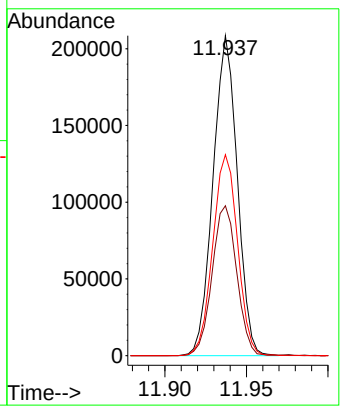


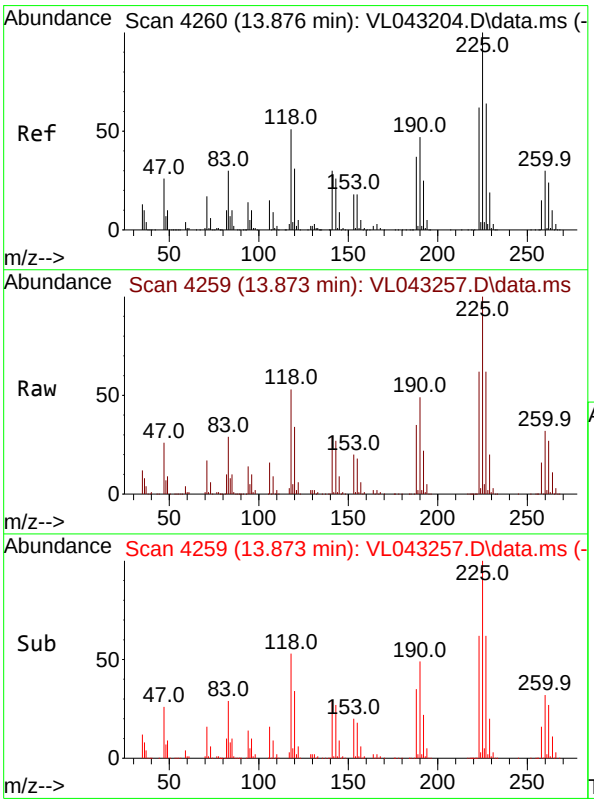
#77
1,2-Dichlorobenzene
Concen: 10.032 ppbv
RT: 11.937 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 215578

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.3	73.0
148	64.4	31.6	94.7

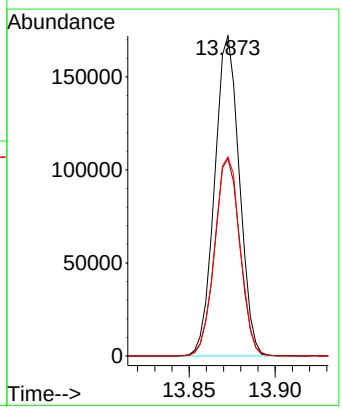


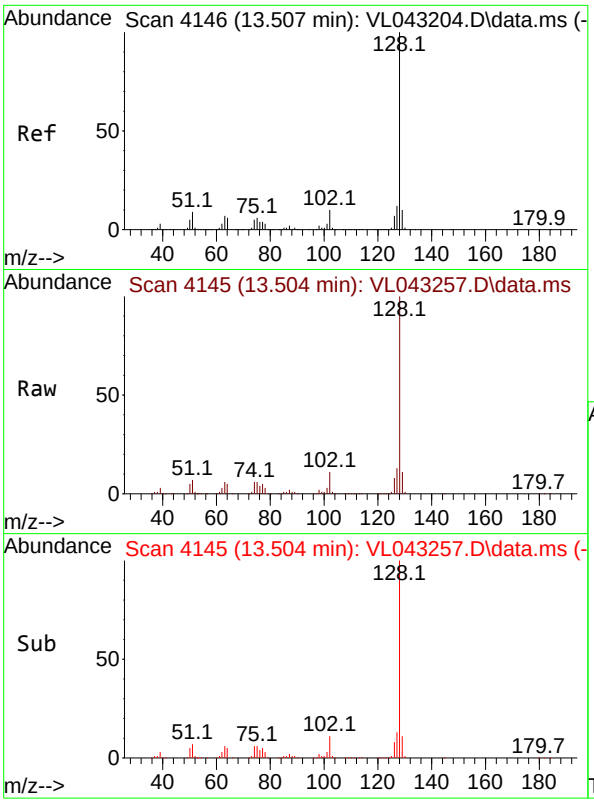


#78
Hexachloro-1,3-Butadiene
Concen: 9.604 ppbv
RT: 13.873 min Scan# 4259
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:225 Resp: 172235

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.4
227	63.5	51.1	76.7



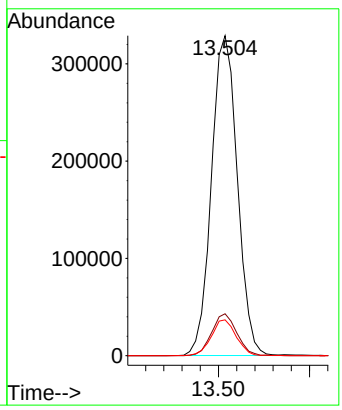


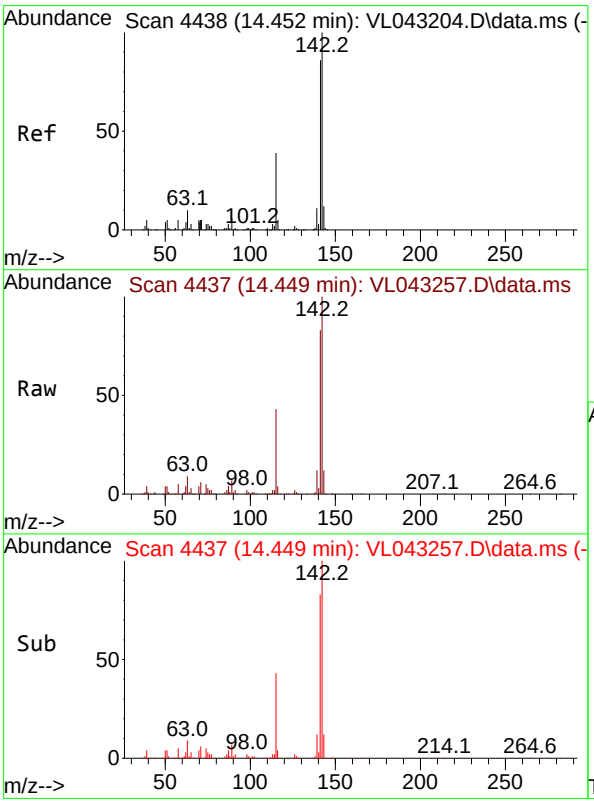
#79
Naphthalene
Concen: 9.536 ppbv
RT: 13.504 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 324391

Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.9	14.9
129	11.2	8.4	12.6

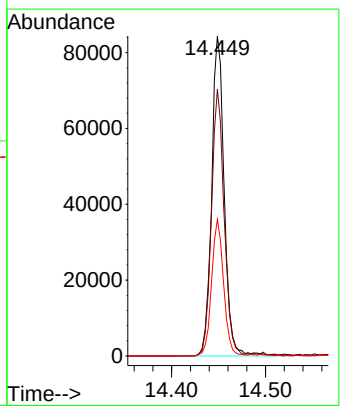


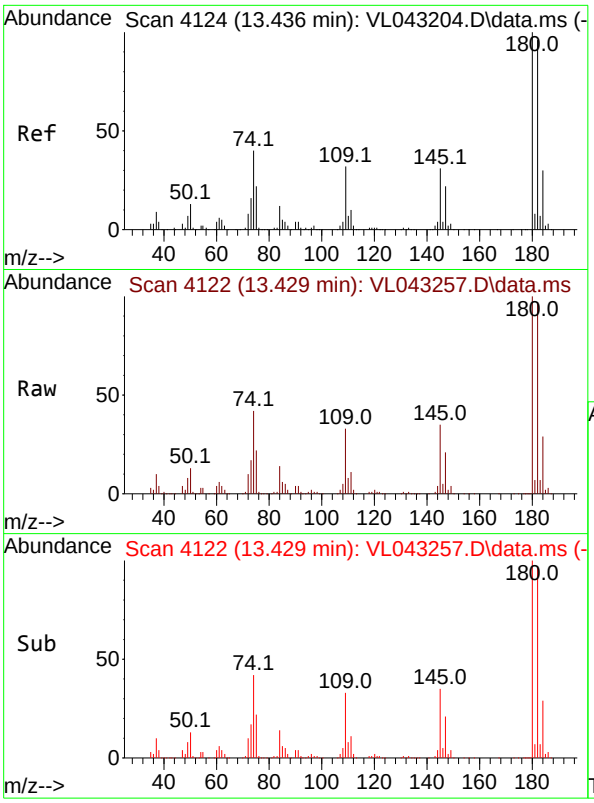


#80
Naphthalene,2-methyl-
Concen: 8.806 ppbv
RT: 14.449 min Scan# 4437
Delta R.T. -0.003 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Tgt Ion:142 Resp: 78637

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.1	100.7
115	41.6	31.9	47.9



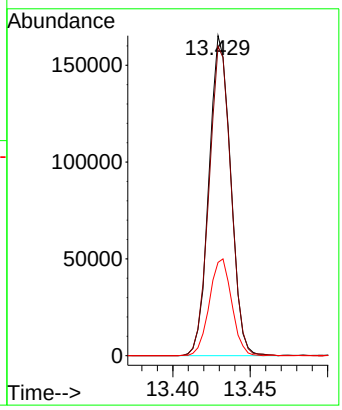


#81
1,2,4-Trichlorobenzene
Concen: 10.564 ppbv
RT: 13.429 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043257.D
Acq: 20 Nov 2025 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 160725

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.4	116.2
184	31.2	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043260.D
Acq On : 20 Nov 2025 12:07
Operator : SY/MD
Sample : VL1120ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Quant Time: Nov 21 00:36:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	101372	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	270113	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	214473	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	164533	10.466	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	164798	11.526	ppbv	99
3) Chlorodifluoromethane	1.476	51	142815	10.157	ppbv	95
4) Chloromethane	1.534	50	55072	10.302	ppbv	96
5) Vinyl Chloride	1.580	62	55657	9.520	ppbv	93
6) Bromomethane	1.667	94	25862	9.126	ppbv	82
7) Chloroethane	1.703	64	22017	9.670	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	131076	11.021	ppbv	98
9) Propene	1.771	41	57758	9.673	ppbv	99
10) Heptane	4.972	43	158256	8.906	ppbv	99
11) Trichlorofluoromethane	1.878	101	171548	12.384	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	126812	11.726	ppbv	99
13) Ethanol	1.719	45	17475	8.323	ppbv	99
14) Bromoethene	1.780	108	44833	10.813	ppbv	97
15) Acetone	1.832	43	119678	8.497	ppbv	100
16) 1,3-Butadiene	1.609	39	61711	9.828	ppbv	95
17) tert-Butyl alcohol	2.036	59	171332	9.268	ppbv	100
18) 1,1-Dichloroethene	2.033	96	53337	10.592	ppbv	98
19) Isopropyl Alcohol	1.884	45	68773	8.642	ppbv	90
20) Methylene Chloride	2.062	84	48243	11.763	ppbv	93
21) Allyl Chloride	2.094	41	83462	8.808	ppbv	92
22) trans-1,2-Dichloroethene	2.340	96	61279	10.647	ppbv	93
23) Vinyl Acetate	2.460	43	142709	8.393	ppbv	98
24) 1,1-Dichloroethane	2.408	63	121792	10.962	ppbv	98
25) Ethyl Acetate	2.829	43	281330	9.262	ppbv	99
26) Hexane	2.823	57	126532	9.501	ppbv	99
27) Carbon Disulfide	2.149	76	148765	10.942	ppbv	100
28) Methyl tert-Butyl Ether	2.434	73	64675	9.894	ppbv	98
29) Chloroform	2.845	83	220567	11.652	ppbv	96
30) Cyclohexane	3.852	84	107088	9.591	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	131746	9.953	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	225329	11.168	ppbv	99
34) 2-Butanone	2.551	43	177069	9.287	ppbv	100
35) Carbon Tetrachloride	3.758	117	236089	11.515	ppbv	98
36) Benzene	3.651	78	257481	9.954	ppbv	98
37) 1,2-Dichloroethane	3.214	62	171416	11.329	ppbv	97
38) Trichloroethene	4.541	130	107097	10.582	ppbv	93
39) 1,2-Dichloropropane	4.308	63	92063	9.724	ppbv	87
40) 1,4-Dioxane	4.570	88	35055	8.236	ppbv #	93
41) Tetrahydrofuran	3.046	42	92013	8.739	ppbv	100
42) Bromodichloromethane	4.480	83	232959	11.161	ppbv	100
43) Methyl Methacrylate	4.865	69	122481	8.920	ppbv	96
44) 2,2,4-Trimethylpentane	4.632	57	428558	9.646	ppbv	98
45) t-1,3-Dichloropropene	6.402	75	96138	7.511	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043260.D
Acq On : 20 Nov 2025 12:07
Operator : SY/MD
Sample : VL1120ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Quant Time: Nov 21 00:36:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

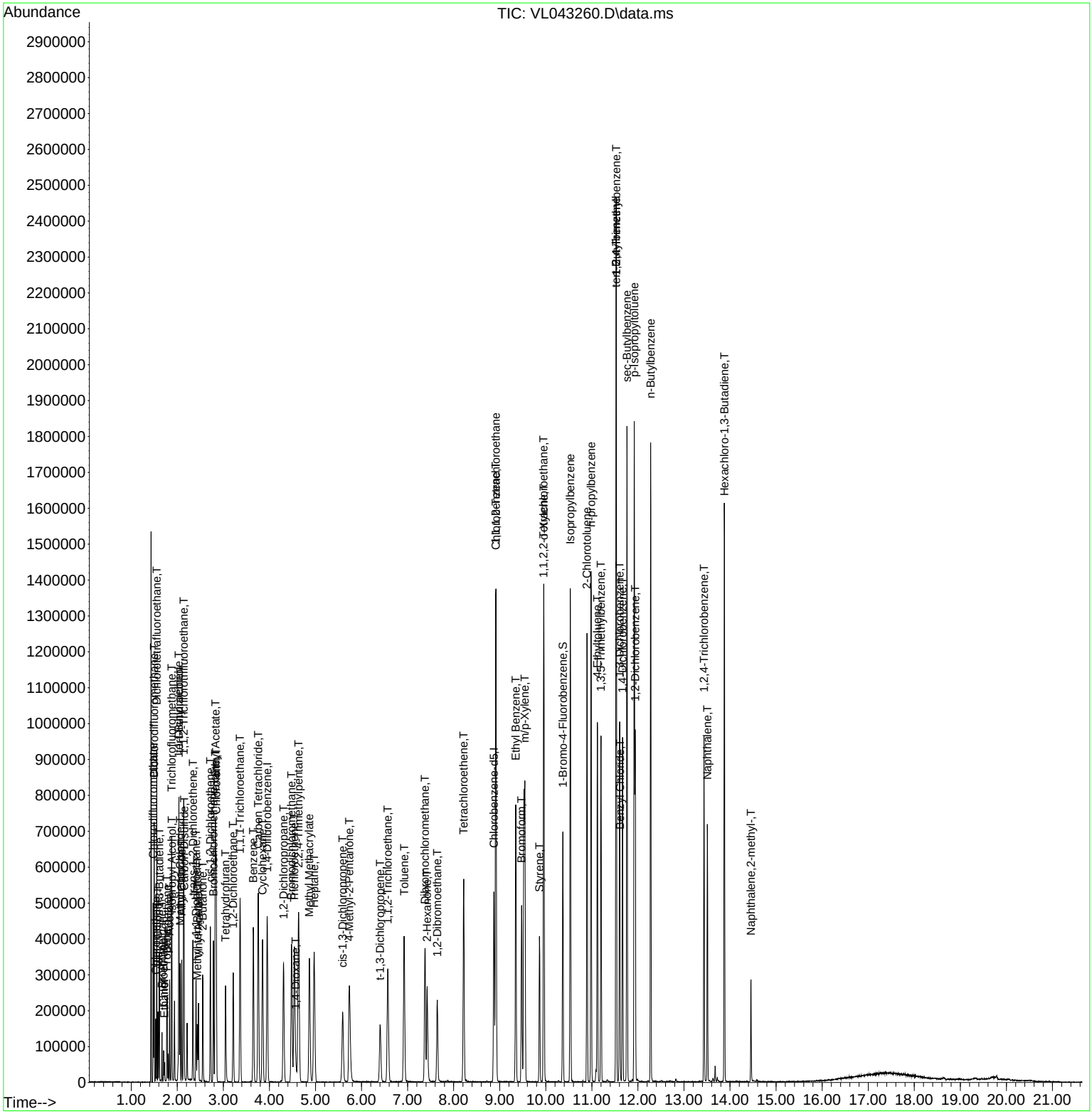
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	117380	7.810	ppbv		98
47) 1,1,2-Trichloroethane	6.571	97	104185	10.369	ppbv		97
48) Dibromochloromethane	7.377	129	188165	10.892	ppbv		99
49) Bromoform	9.474	173	168175	10.991	ppbv		99
50) 4-Methyl-2-Pentanone	5.736	43	237956	8.859	ppbv		99
51) 2-Hexanone	7.425	43	170769	8.187	ppbv	#	99
52) Tetrachloroethene	8.218	164	99982	10.391	ppbv		98
53) Toluene	6.927	91	294482	9.614	ppbv		100
54) 1,2-Dibromoethane	7.642	107	143721	9.720	ppbv		100
56) 1,1,1,2-Tetrachloroethane	8.917	131	176862	11.221	ppbv		99
57) Chlorobenzene	8.914	112	234816	10.664	ppbv		99
58) Ethyl Benzene	9.348	91	427546	10.357	ppbv		99
59) m/p-Xylene	9.542	91	333908	10.089	ppbv	#	23
60) o-Xylene	9.956	91	353595	10.695	ppbv		99
61) Styrene	9.862	104	135477	9.363	ppbv		98
62) Isopropylbenzene	10.532	105	634112	10.720	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.953	83	218173	10.371	ppbv		99
64) n-propylbenzene	10.982	120	159286	10.480	ppbv		97
65) tert-Butylbenzene	11.526	119	552915	10.467	ppbv		98
66) Benzyl Chloride	11.610	91	22396	4.178	ppbv		98
67) sec-Butylbenzene	11.762	105	779369	10.570	ppbv		99
69) p-Isopropyltoluene	11.921	119	649941	10.405	ppbv		100
70) n-Butylbenzene	12.277	91	622858	10.278	ppbv		100
71) 2-Chlorotoluene	10.895	91	469961	10.337	ppbv		100
72) 4-Ethyltoluene	11.118	105	423927	10.529	ppbv		98
73) 1,3,5-Trimethylbenzene	11.199	105	358599	10.613	ppbv		95
74) 1,2,4-Trimethylbenzene	11.532	105	392516	10.645	ppbv		94
75) 1,3-Dichlorobenzene	11.604	146	231654	10.765	ppbv		99
76) 1,4-Dichlorobenzene	11.665	146	229039	10.642	ppbv		100
77) 1,2-Dichlorobenzene	11.944	146	220159	10.642	ppbv		99
78) Hexachloro-1,3-Butadiene	13.879	225	171979	9.961	ppbv		100
79) Naphthalene	13.507	128	319763	9.764	ppbv		99
80) Naphthalene,2-methyl-	14.455	142	75079	8.734	ppbv		97
81) 1,2,4-Trichlorobenzene	13.436	180	157618	10.761	ppbv		99

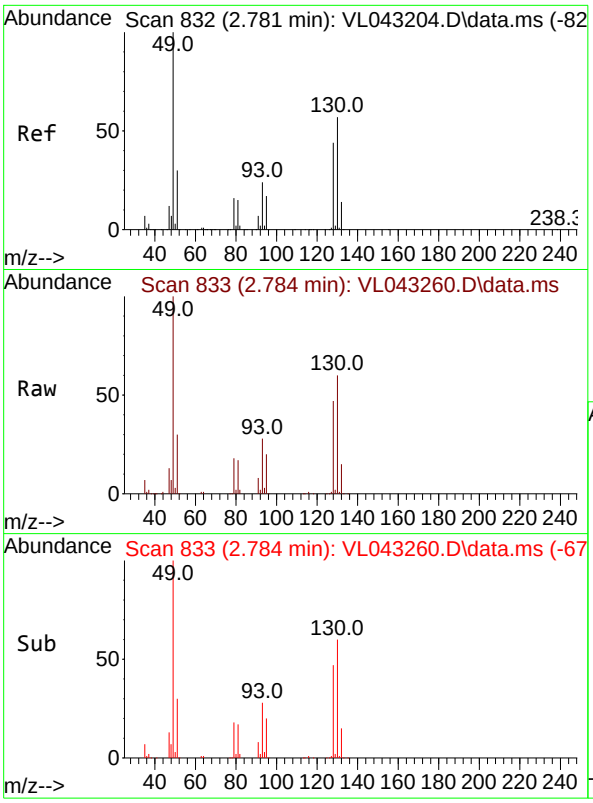
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043260.D
Acq On : 20 Nov 2025 12:07
Operator : SY/MD
Sample : VL1120ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Quant Time: Nov 21 00:36:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



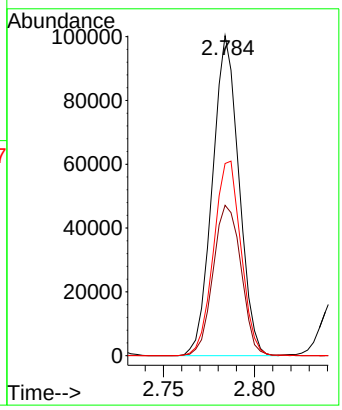


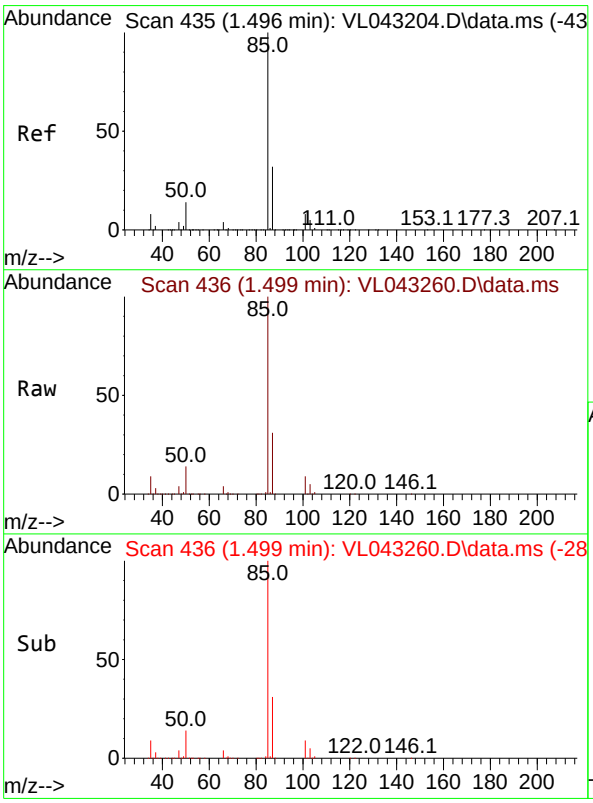
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 49 Resp: 101372

Ion	Ratio	Lower	Upper
49	100		
128	49.8	23.0	69.0
130	62.8	29.9	89.7

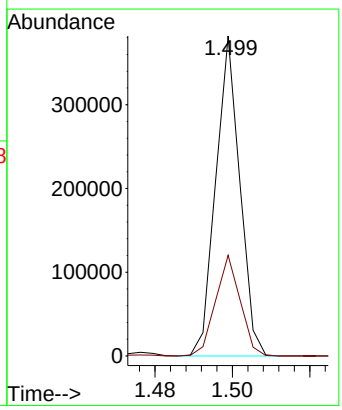


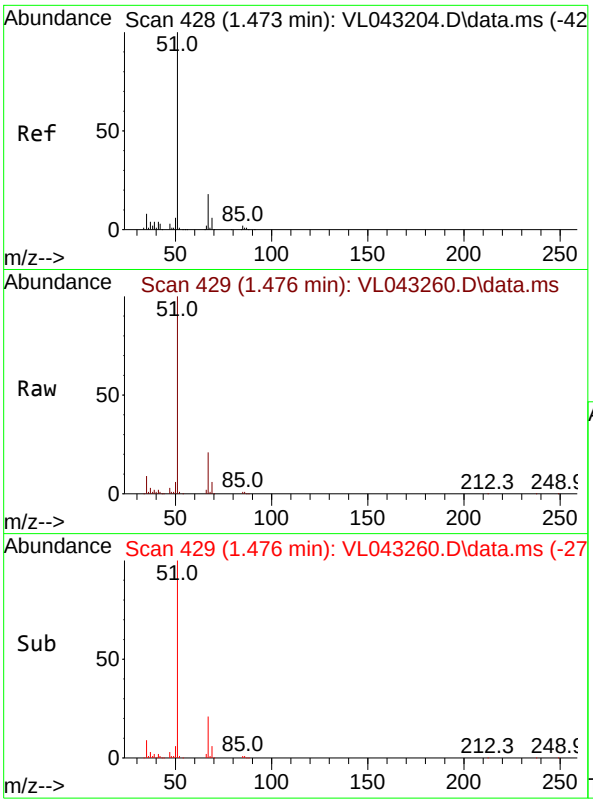


#2
Dichlorodifluoromethane
Concen: 11.526 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 85 Resp: 164798

Ion	Ratio	Lower	Upper
85	100		
87	31.4	25.4	38.2



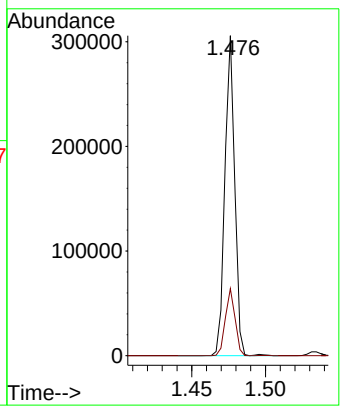


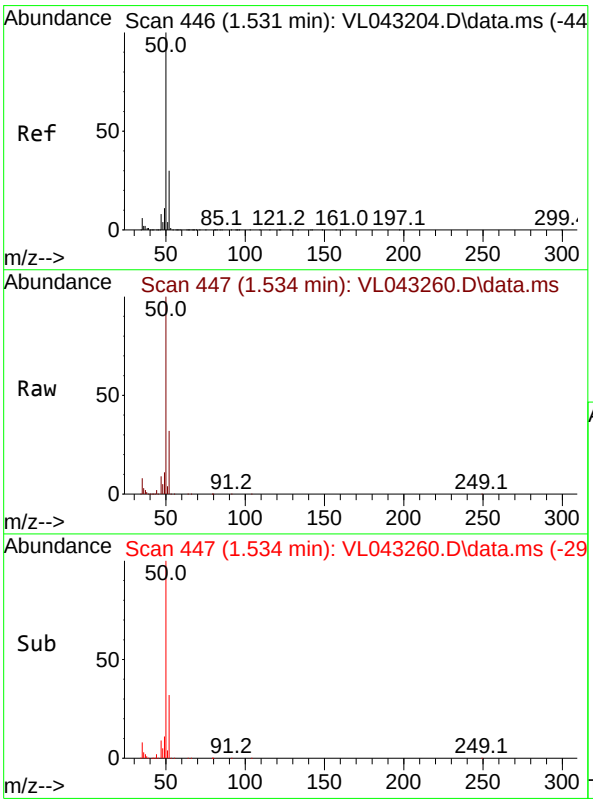
#3
Chlorodifluoromethane
Concen: 10.157 ppbv
RT: 1.476 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 51 Resp: 142815

Ion	Ratio	Lower	Upper
51	100		
67	20.7	14.9	22.3

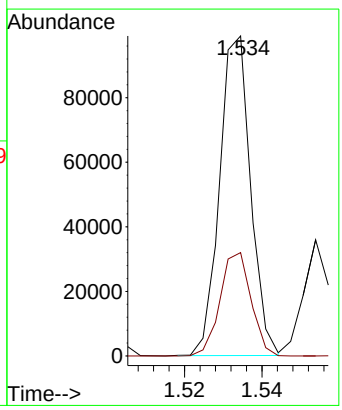


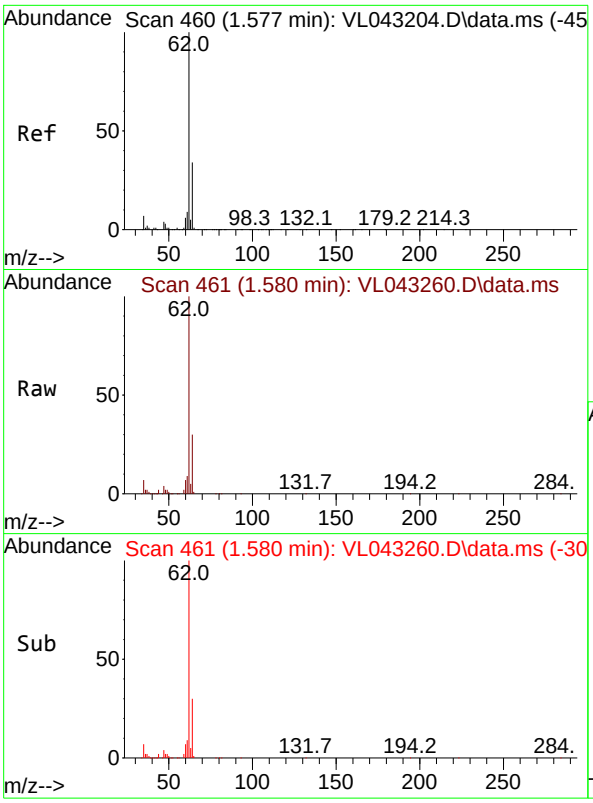


#4
Chloromethane
Concen: 10.302 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 50 Resp: 55072

Ion	Ratio	Lower	Upper
50	100		
52	32.4	24.1	36.1



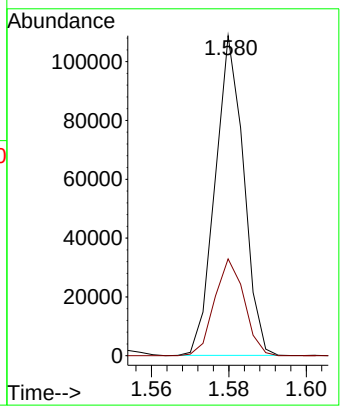


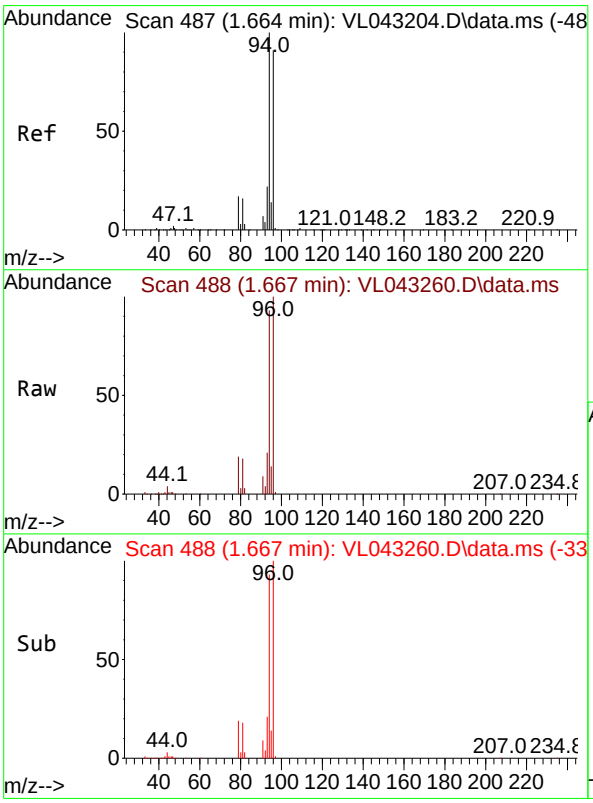
#5
Vinyl Chloride
Concen: 9.520 ppbv
RT: 1.580 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 62 Resp: 55657

Ion	Ratio	Lower	Upper
62	100		
64	30.3	27.3	40.9

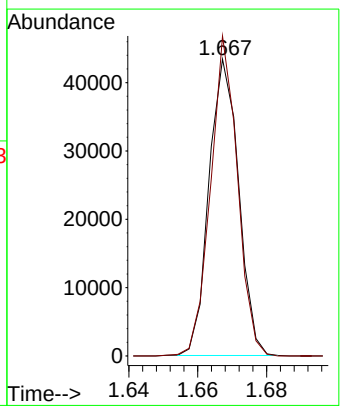


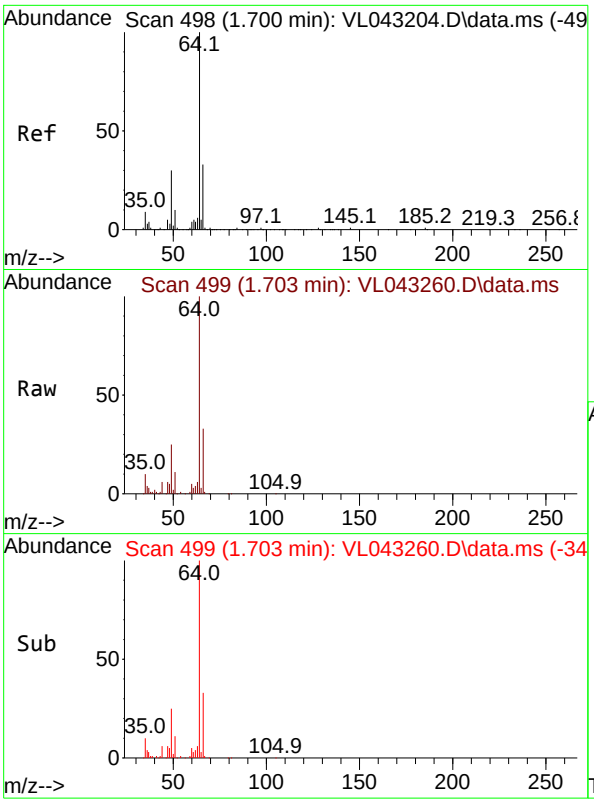


#6
Bromomethane
Concen: 9.126 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 94 Resp: 25862

Ion	Ratio	Lower	Upper
94	100		
96	108.0	72.9	109.3



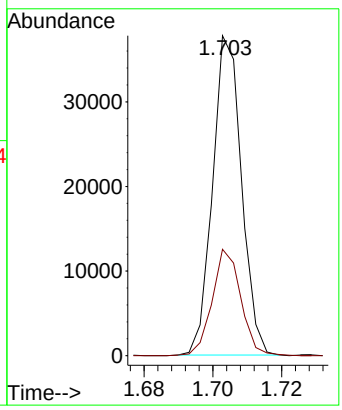


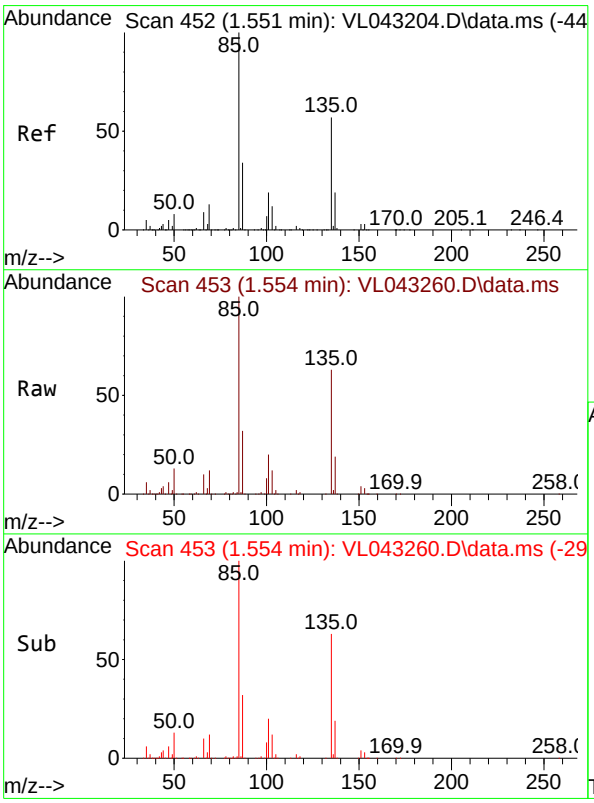
#7
Chloroethane
Concen: 9.670 ppbv
RT: 1.703 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 64 Resp: 22017

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.8	40.2

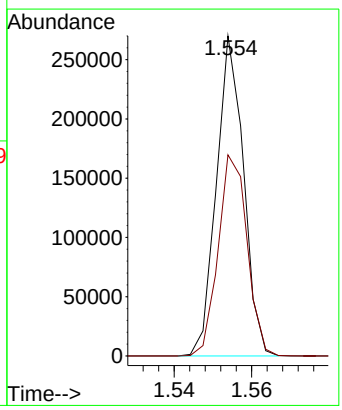


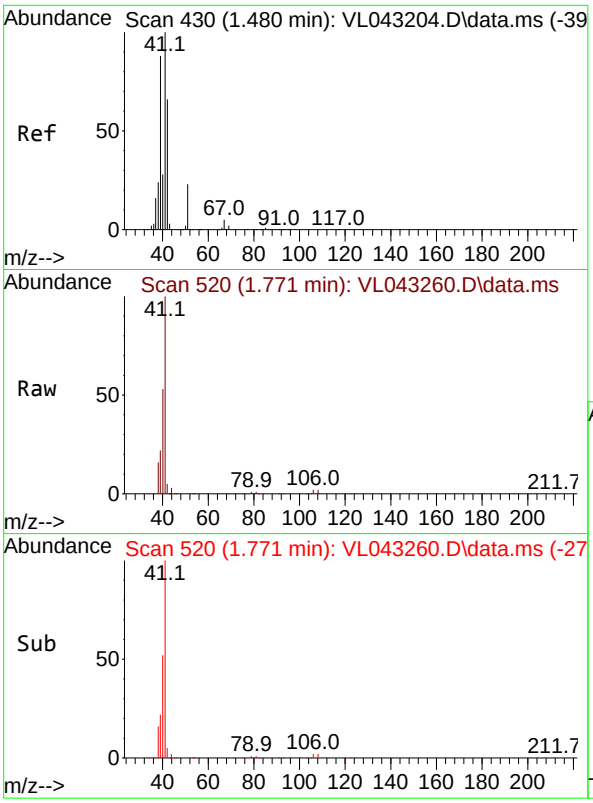


#8
Dichlorotetrafluoroethane
Concen: 11.021 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 85 Resp: 131076

Ion	Ratio	Lower	Upper
85	100		
135	67.1	52.6	79.0



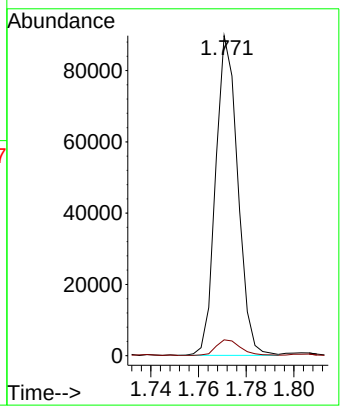


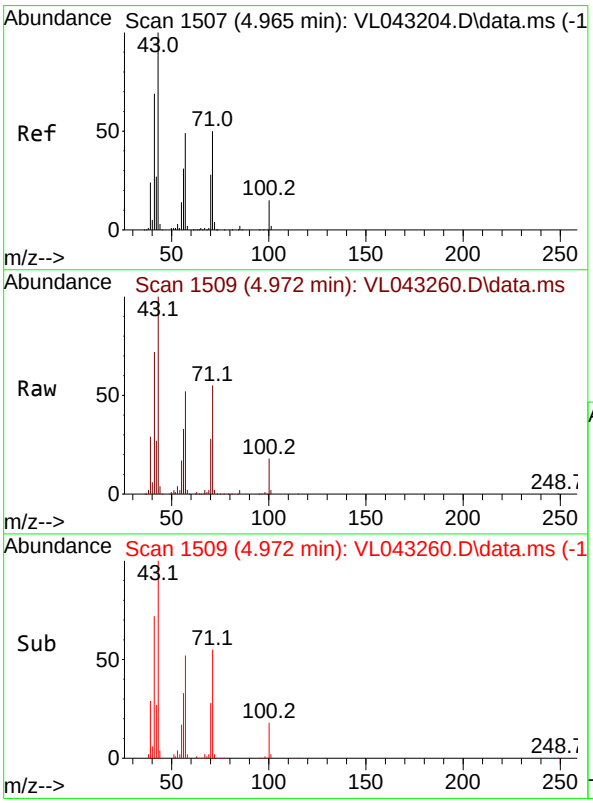
#9
Propene
Concen: 9.673 ppbv
RT: 1.771 min Scan# 5
Delta R.T. 0.291 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 41 Resp: 57758

Ion	Ratio	Lower	Upper
41	100		
42	5.1	3.7	5.5

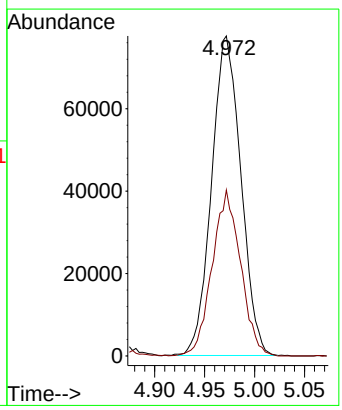


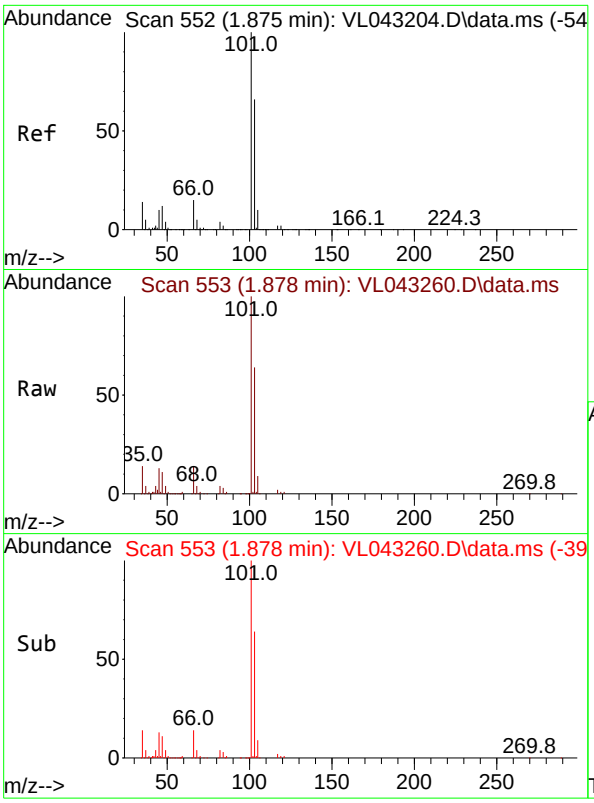


#10
Heptane
Concen: 8.906 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 158256

Ion	Ratio	Lower	Upper
43	100		
57	50.2	39.7	59.5



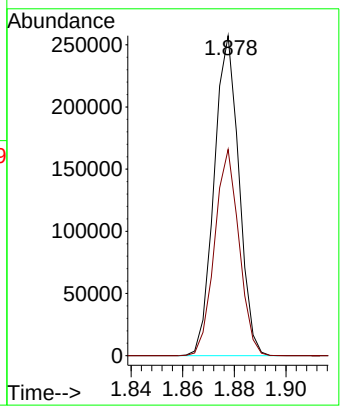


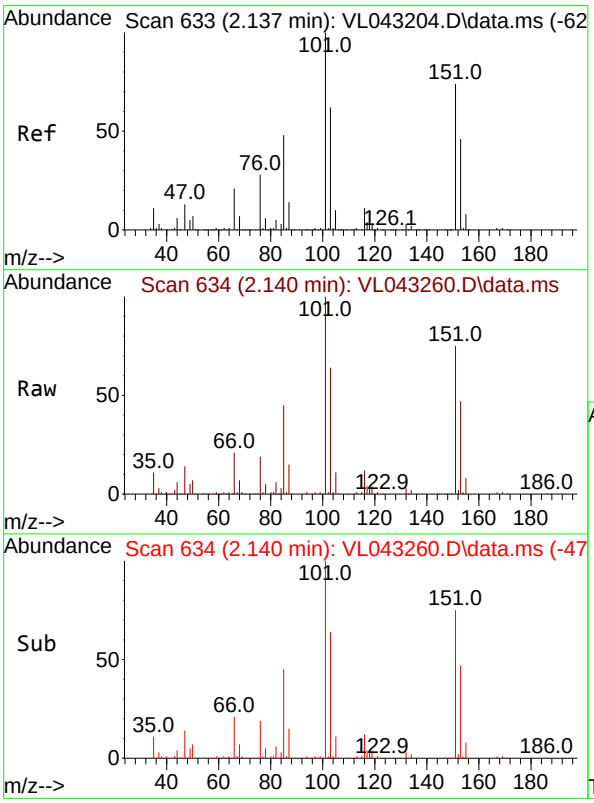
#11
Trichlorofluoromethane
Concen: 12.384 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:101 Resp: 171548

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.6	79.0

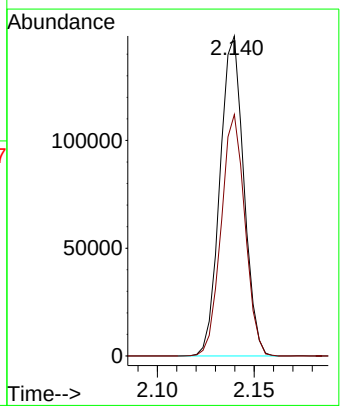


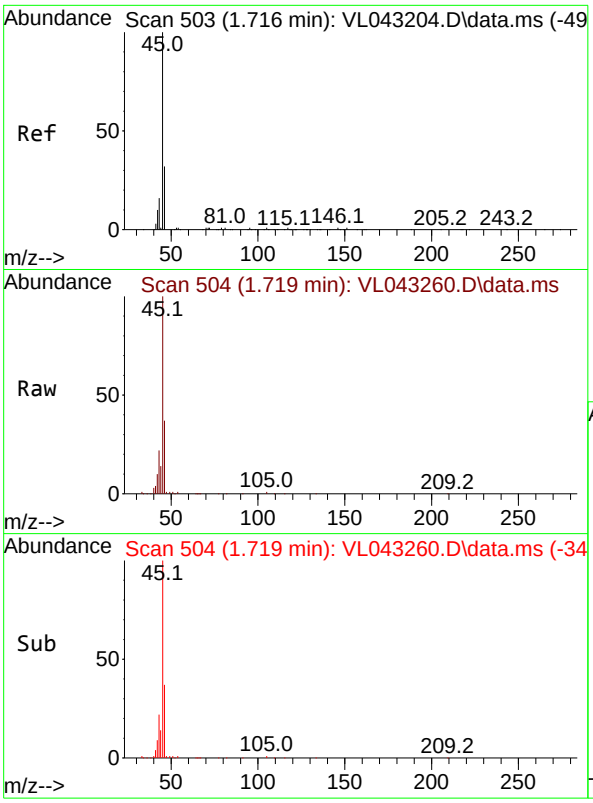


#12
1,1,2-Trichlorotrifluoroethane
Concen: 11.726 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:101 Resp: 126812

Ion	Ratio	Lower	Upper
101	100		
151	75.2	59.2	88.8



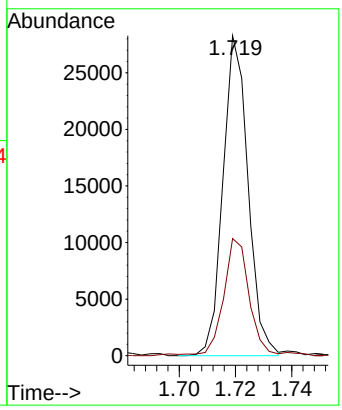


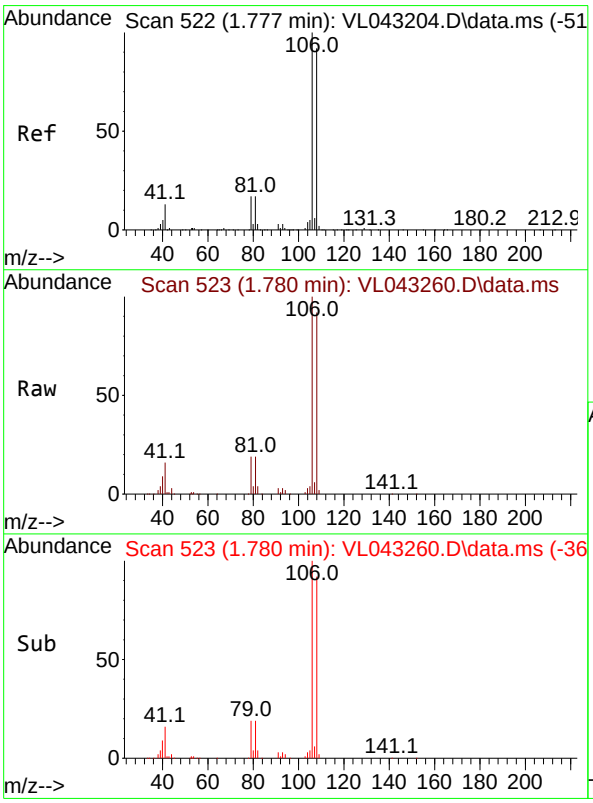
#13
Ethanol
Concen: 8.323 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 45 Resp: 17475

Ion	Ratio	Lower	Upper
45	100		
46	38.3	15.0	59.8

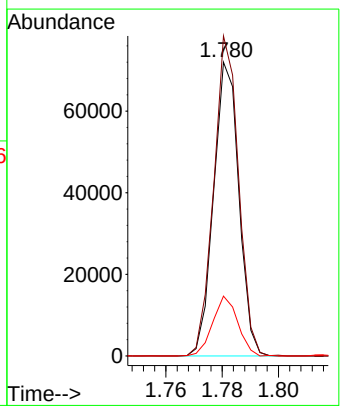


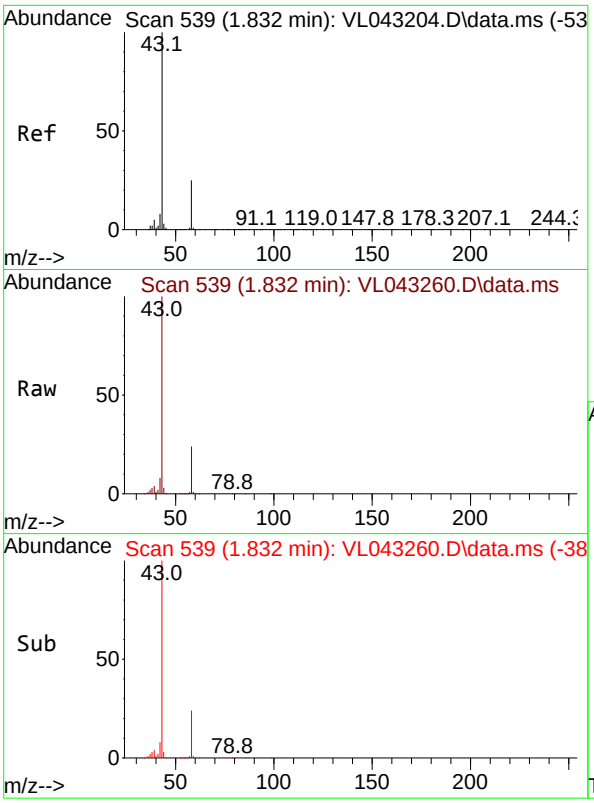


#14
Bromoethene
Concen: 10.813 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:108 Resp: 44833

Ion	Ratio	Lower	Upper
108	100		
106	107.3	88.9	133.3
79	20.4	16.5	24.7



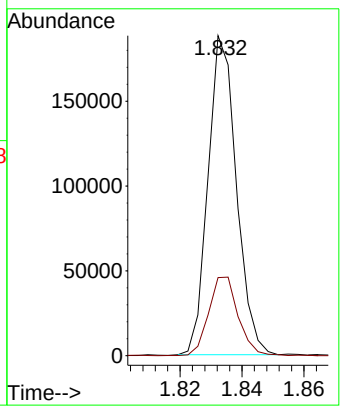


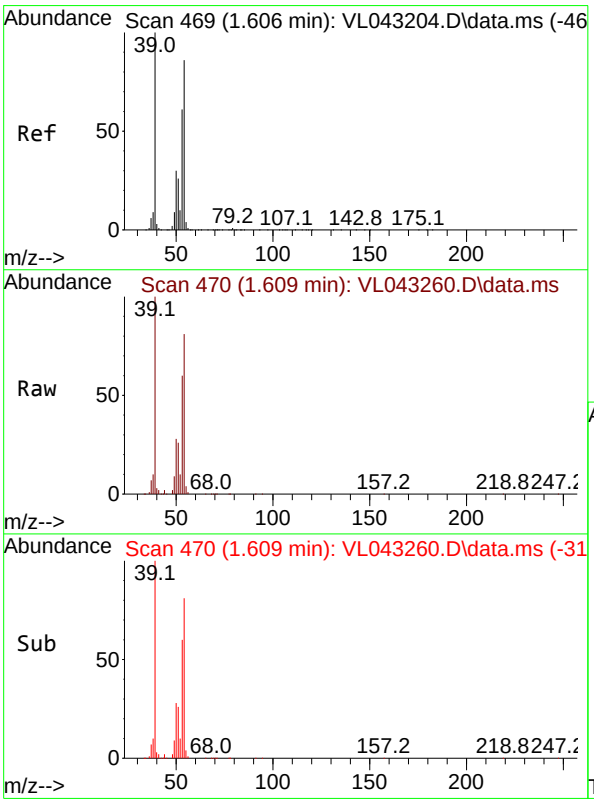
#15
Acetone
Concen: 8.497 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43 Resp: 119678

Ion	Ratio	Lower	Upper
43	100		
58	25.9	20.7	31.1

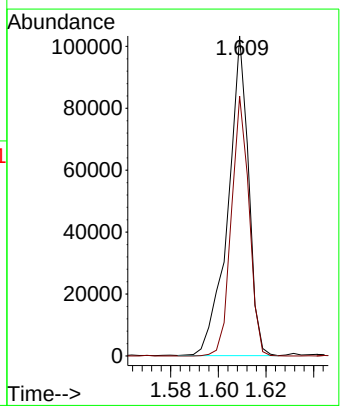


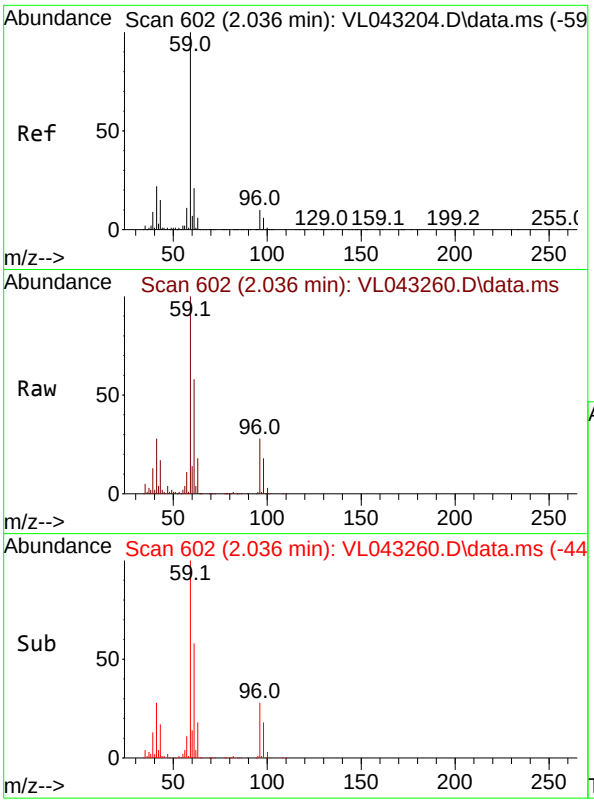


#16
1,3-Butadiene
Concen: 9.828 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 39 Resp: 61711

Ion	Ratio	Lower	Upper
39	100		
54	70.0	59.4	89.2



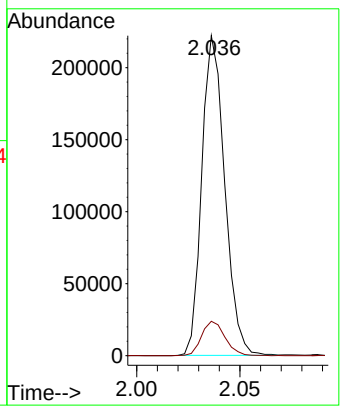


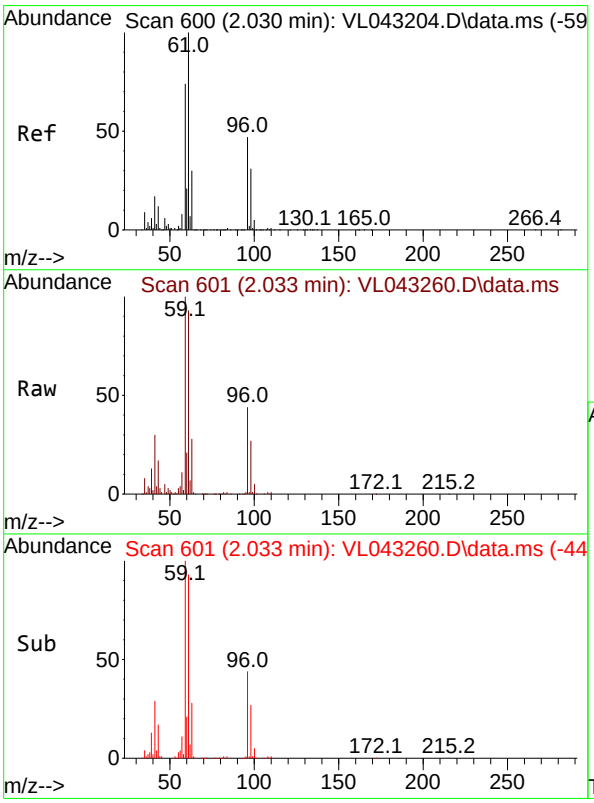
#17
tert-Butyl alcohol
Concen: 9.268 ppbv
RT: 2.036 min Scan# 6(
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 59 Resp: 171332

Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.4

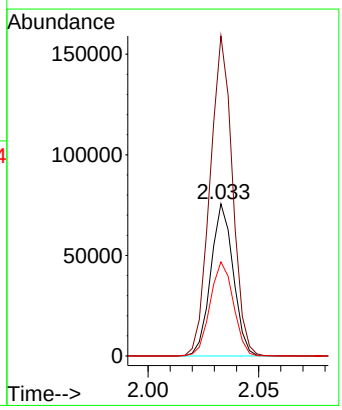


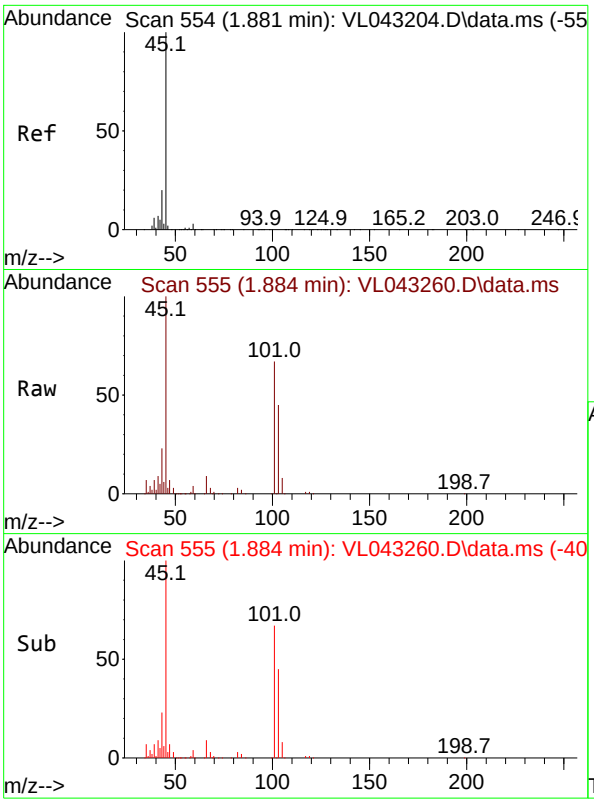


#18
1,1-Dichloroethene
Concen: 10.592 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 96 Resp: 53337

Ion	Ratio	Lower	Upper
96	100		
61	210.4	170.6	255.8
98	61.9	52.2	78.4



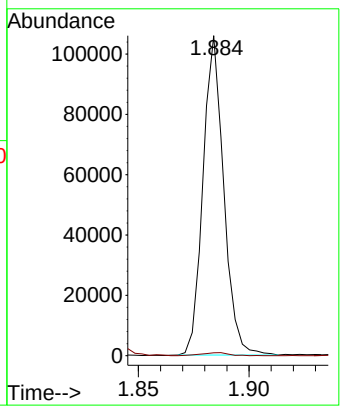


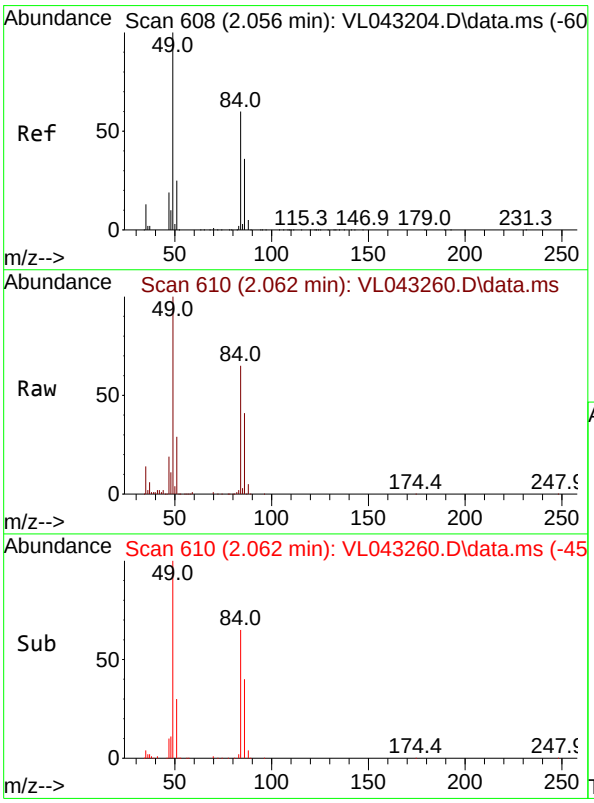
#19
Isopropyl Alcohol
Concen: 8.642 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 45 Resp: 68773

Ion	Ratio	Lower	Upper
45	100		
58	45.1	31.3	46.9

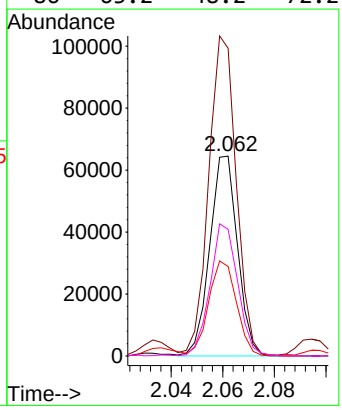


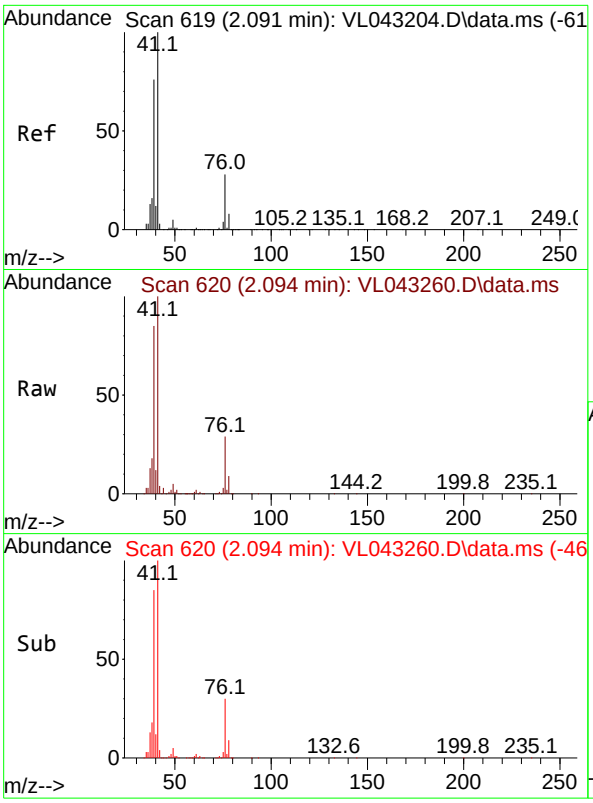


#20
Methylene Chloride
Concen: 11.763 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 84 Resp: 48243

Ion	Ratio	Lower	Upper
84	100		
49	153.6	132.9	199.3
51	44.5	34.8	52.2
86	63.2	48.2	72.2



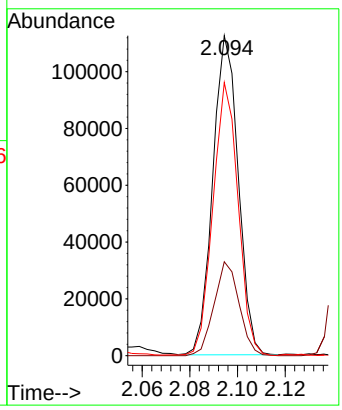


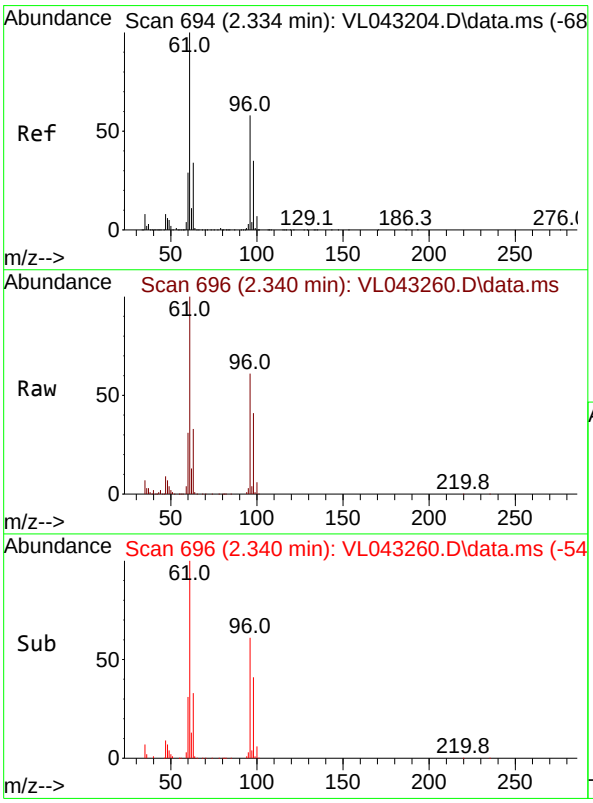
#21
Allyl Chloride
Concen: 8.808 ppbv
RT: 2.094 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 41 Resp: 83462

Ion	Ratio	Lower	Upper
41	100		
76	29.0	22.1	33.1
39	84.2	61.0	91.4

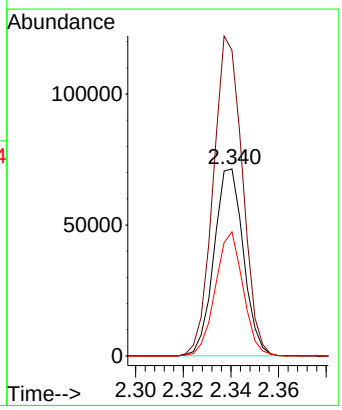


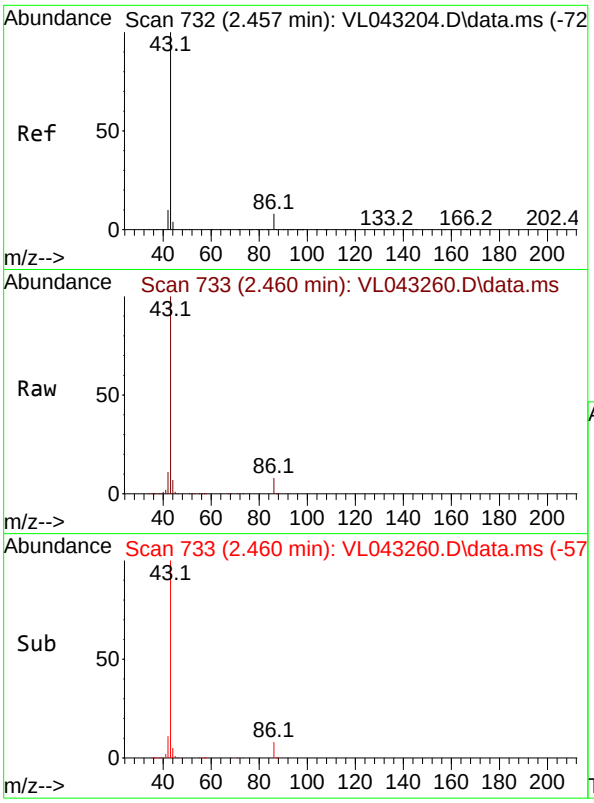


#22
trans-1,2-Dichloroethene
Concen: 10.647 ppbv
RT: 2.340 min Scan# 696
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 96 Resp: 61279

Ion	Ratio	Lower	Upper
96	100		
61	163.5	139.0	208.6
98	66.4	49.4	74.2



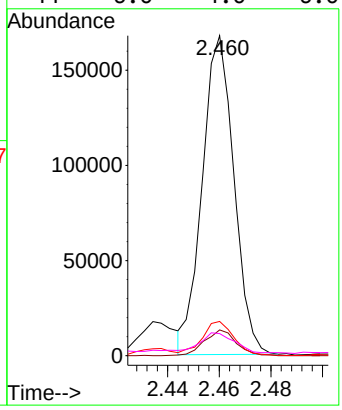


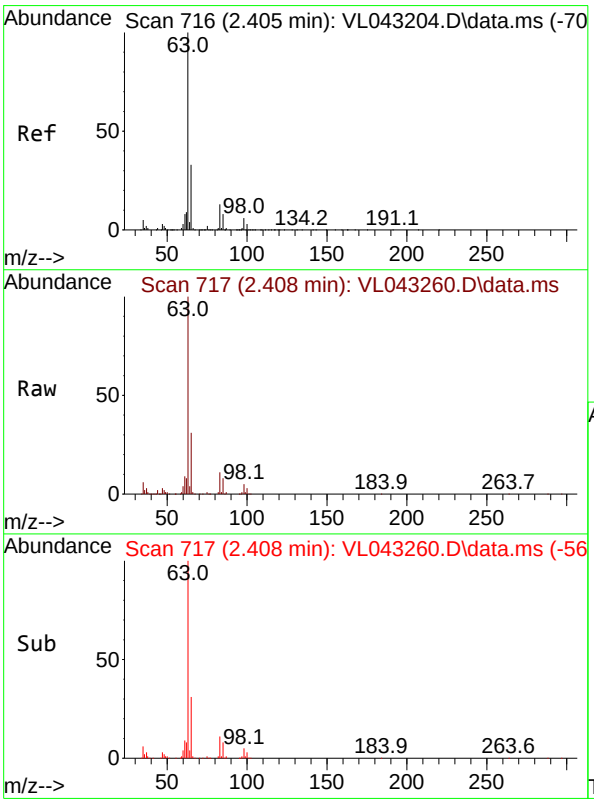
#23
Vinyl Acetate
Concen: 8.393 ppbv
RT: 2.460 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43 Resp: 142709

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.2	9.2
42	10.6	8.0	12.0
44	6.0	4.0	6.0

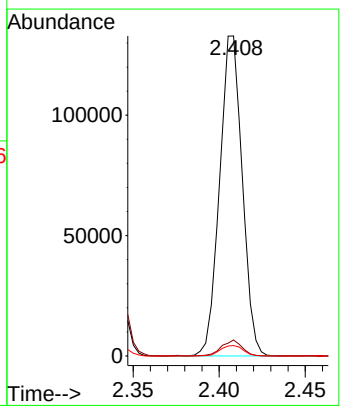


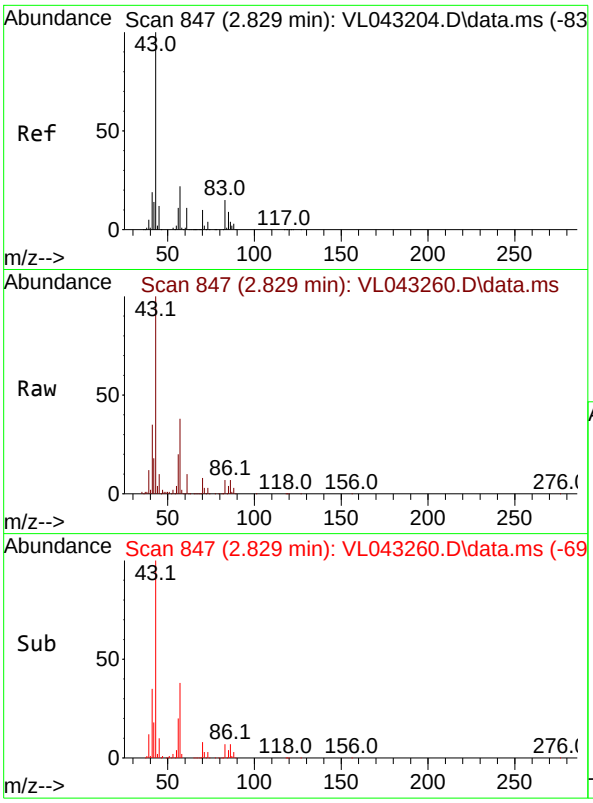


#24
1,1-Dichloroethane
Concen: 10.962 ppbv
RT: 2.408 min Scan# 717
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 63 Resp: 121792

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.8	8.4
100	3.3	1.3	3.9



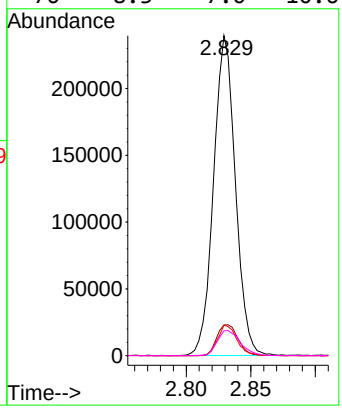


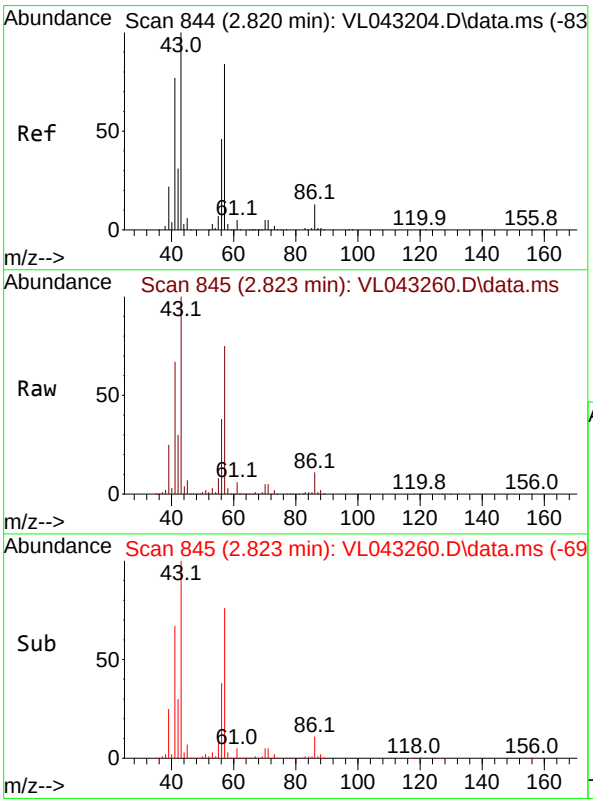
#25
Ethyl Acetate
Concen: 9.262 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43 Resp: 281330

Ion	Ratio	Lower	Upper
43	100		
45	9.5	8.1	12.1
61	8.5	7.0	10.4
70	8.3	7.0	10.6

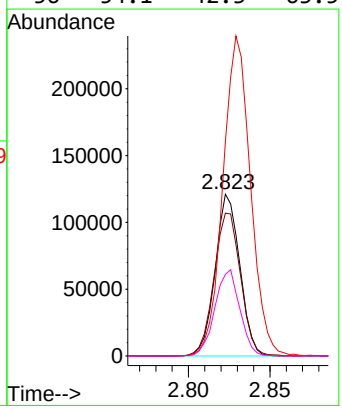


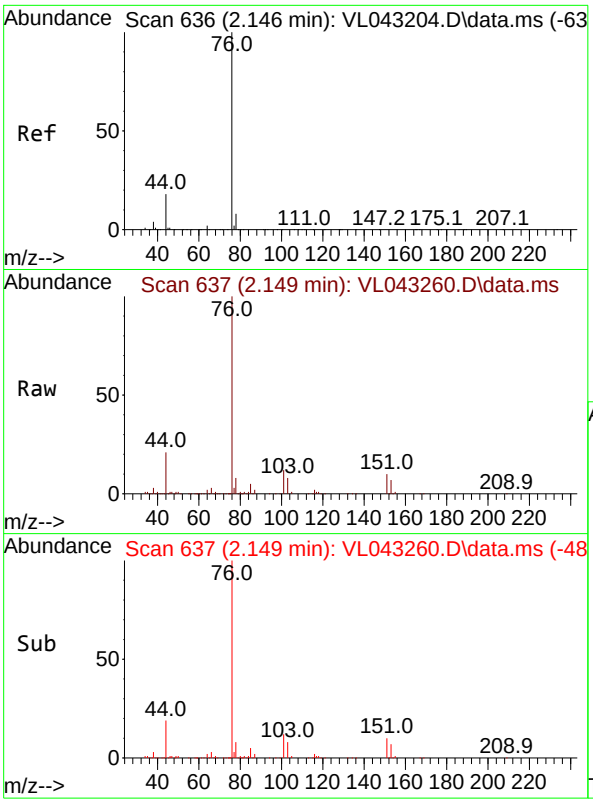


#26
Hexane
Concen: 9.501 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 57 Resp: 126532

Ion	Ratio	Lower	Upper
57	100		
41	95.8	74.6	111.8
43	224.0	179.0	268.4
56	54.1	42.3	63.5



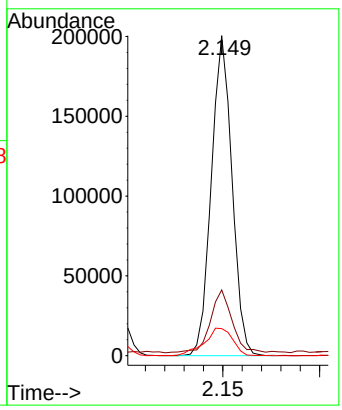


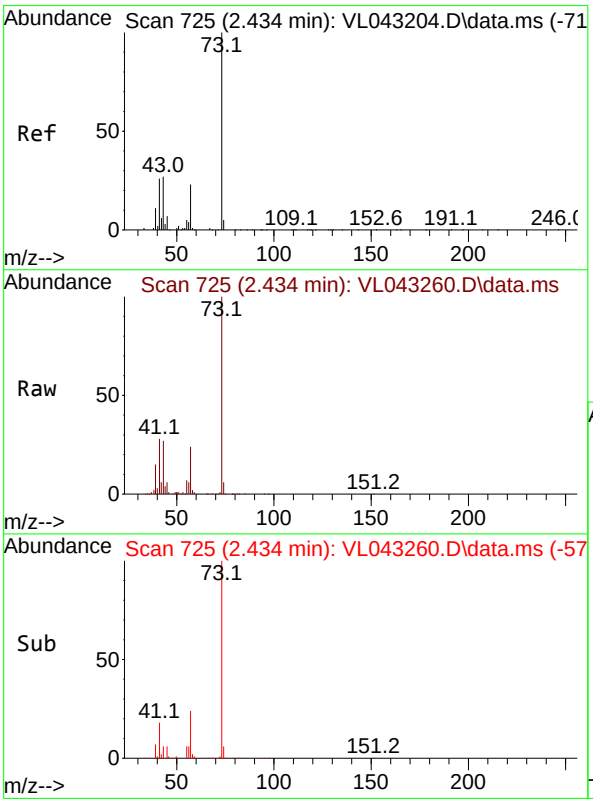
#27
Carbon Disulfide
Concen: 10.942 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 76 Resp: 148765

Ion	Ratio	Lower	Upper
76	100		
44	20.0	16.1	24.1
78	11.8	9.6	14.4

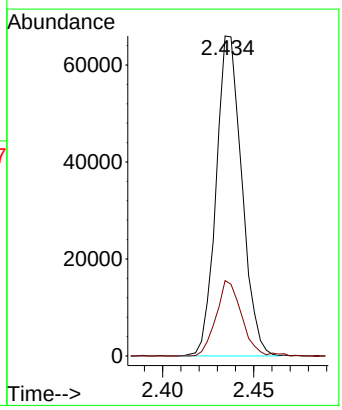


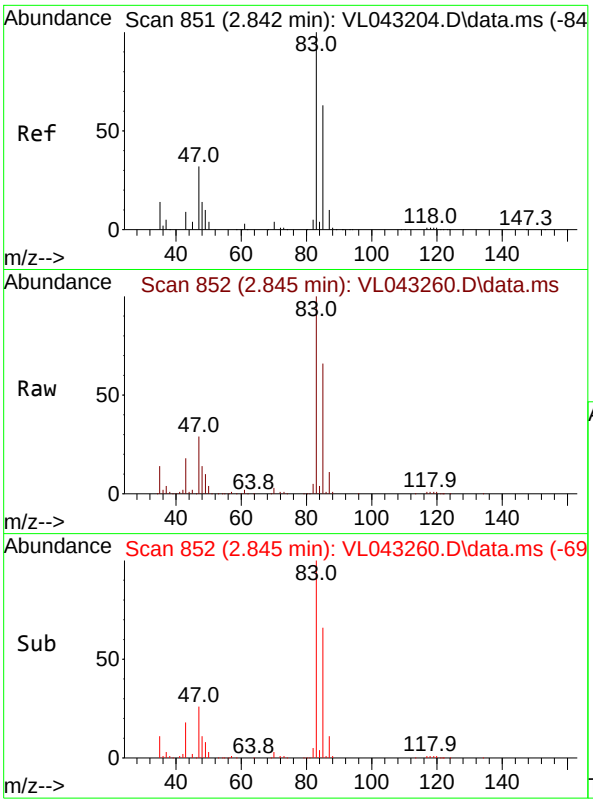


#28
Methyl tert-Butyl Ether
Concen: 9.894 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 73 Resp: 64675

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.8	29.8



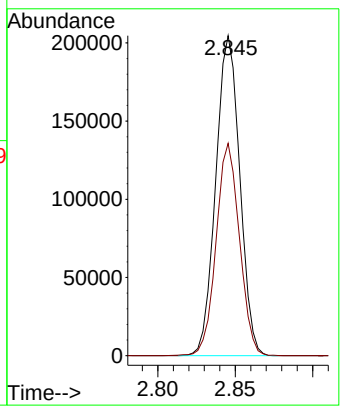


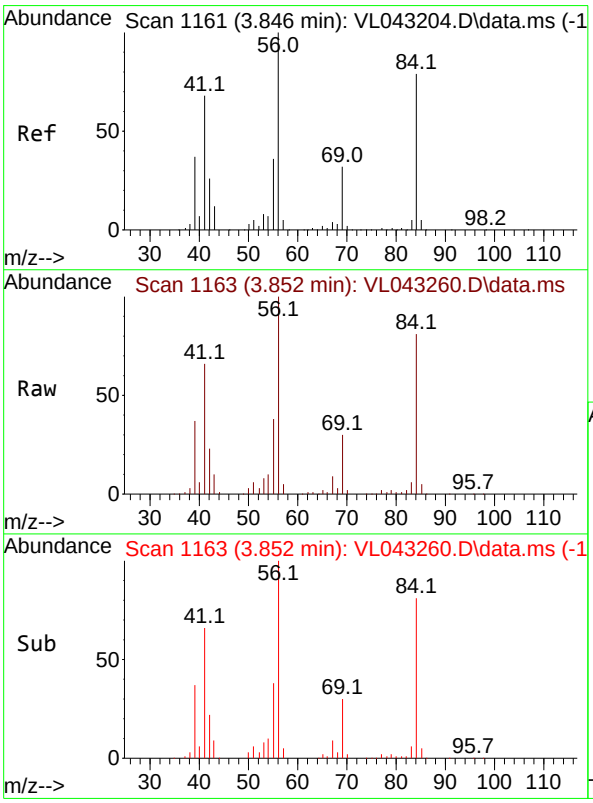
#29
Chloroform
Concen: 11.652 ppbv
RT: 2.845 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 83 Resp: 220567

Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7

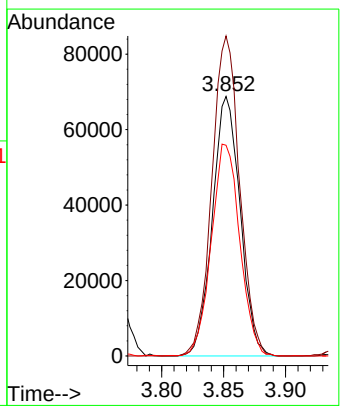


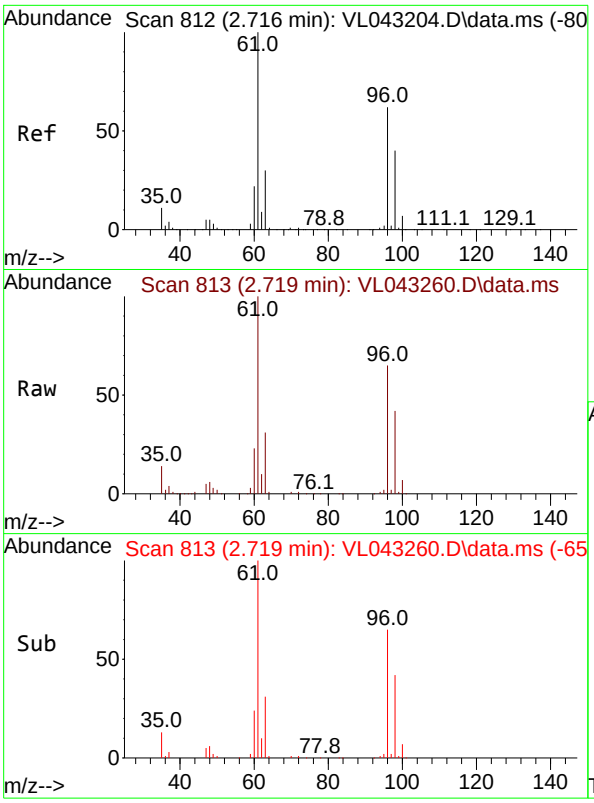


#30
Cyclohexane
Concen: 9.591 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 84 Resp: 107088

Ion	Ratio	Lower	Upper
84	100		
56	123.6	104.7	157.1
41	83.9	69.0	103.6



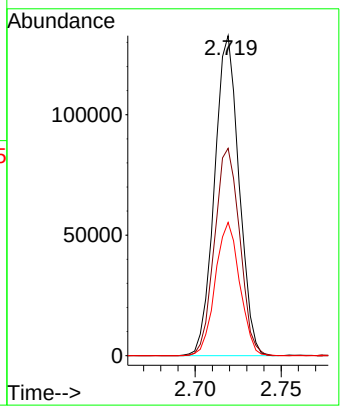


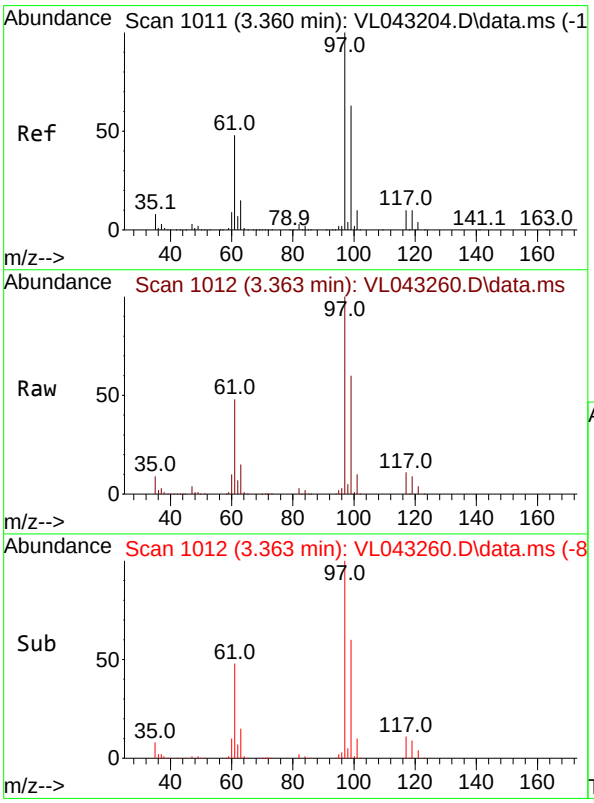
#31
cis-1,2-Dichloroethene
Concen: 9.953 ppbv
RT: 2.719 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 61 Resp: 131746

Ion	Ratio	Lower	Upper
61	100		
96	64.8	49.3	73.9
98	41.7	32.1	48.1

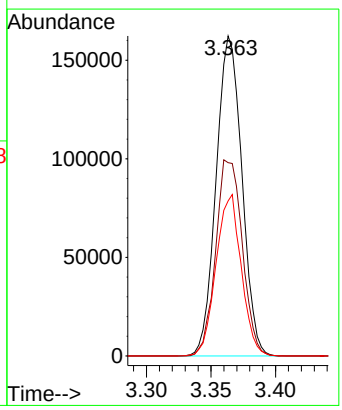


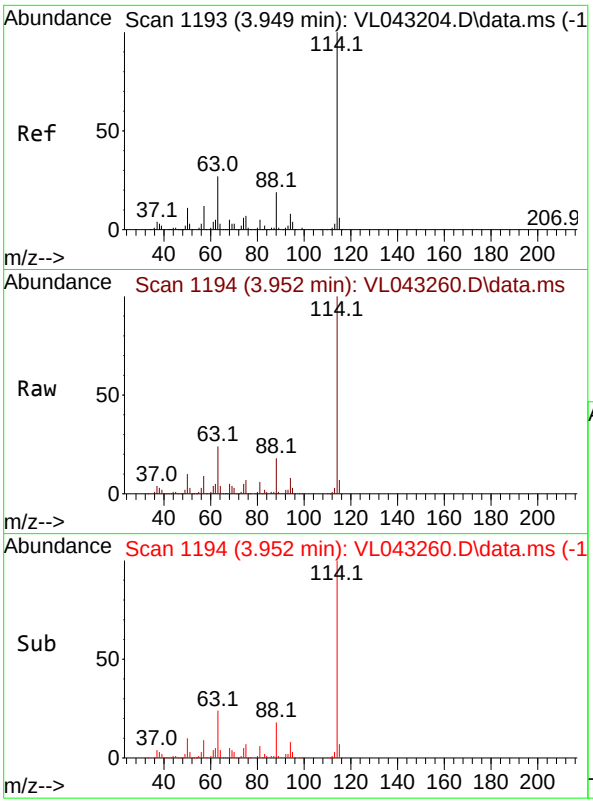


#32
1,1,1-Trichloroethane
Concen: 11.168 ppbv
RT: 3.363 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 97 Resp: 225329

Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.3	75.5
61	49.5	38.9	58.3



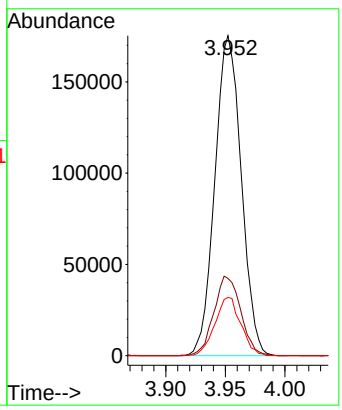


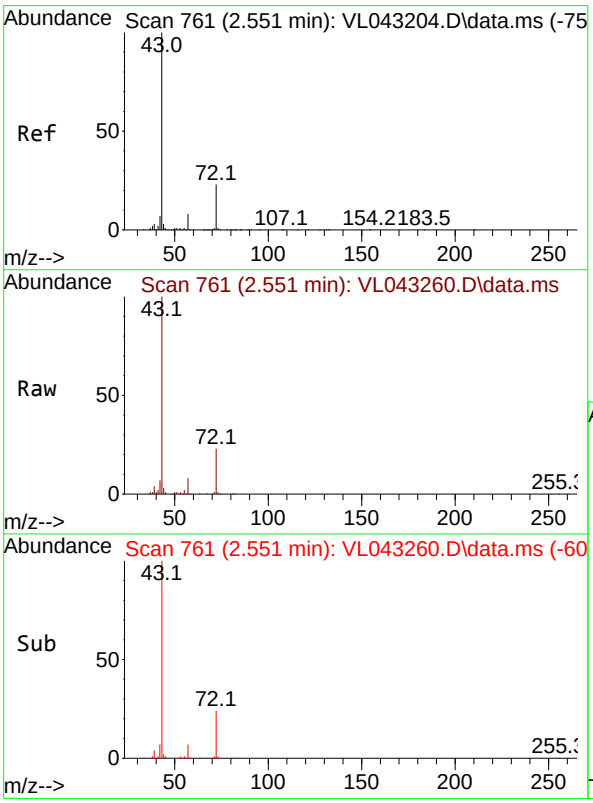
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:114 Resp: 270113

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.0	31.6
88	17.9	14.9	22.3

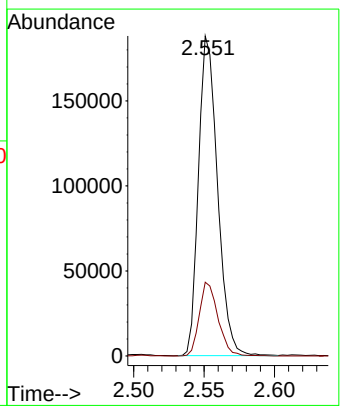


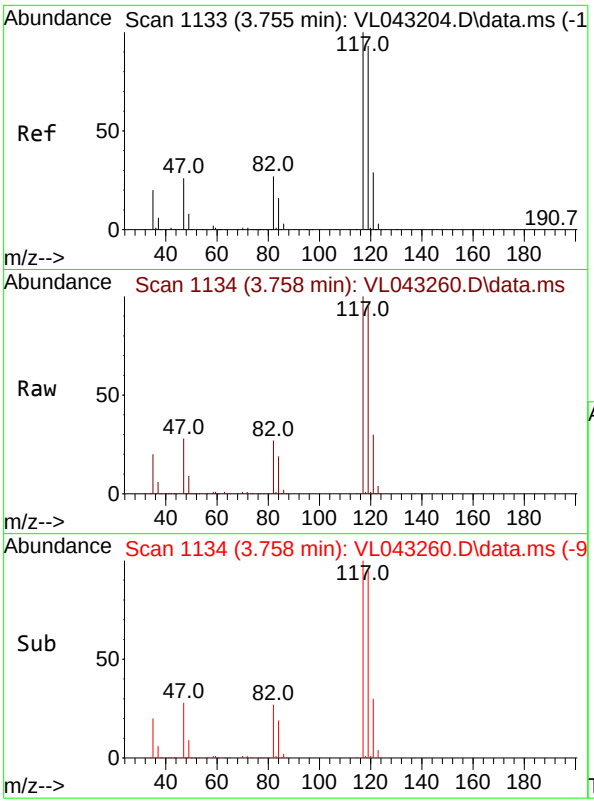


#34
2-Butanone
Concen: 9.287 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 177069

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.1	27.1



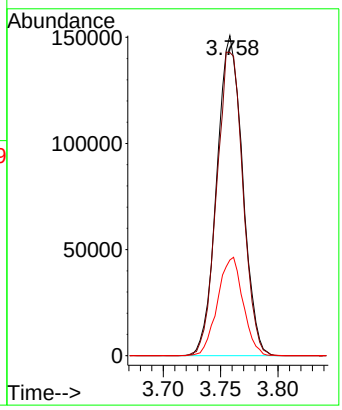


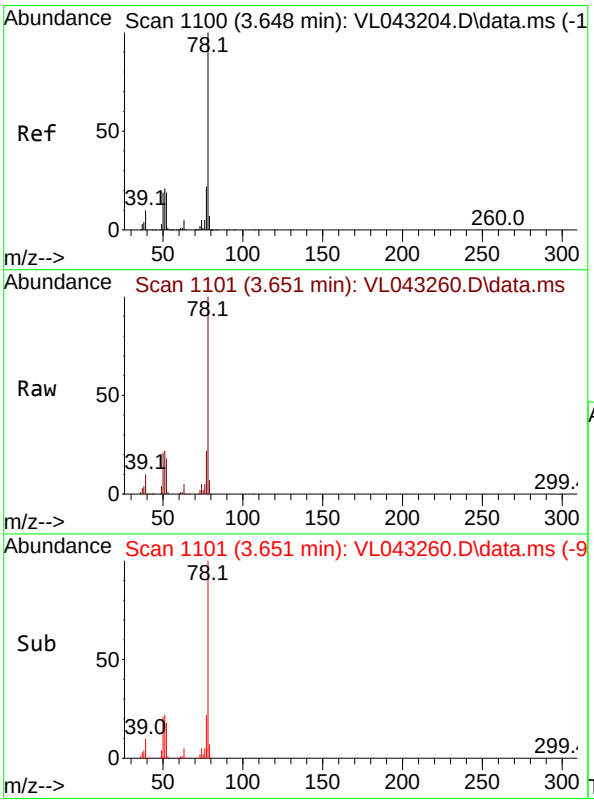
#35
Carbon Tetrachloride
Concen: 11.515 ppbv
RT: 3.758 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:117 Resp: 236089

Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	112.0
121	29.9	23.2	34.8

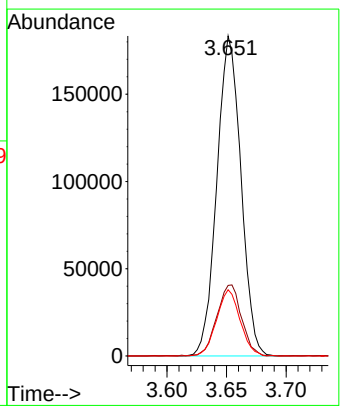


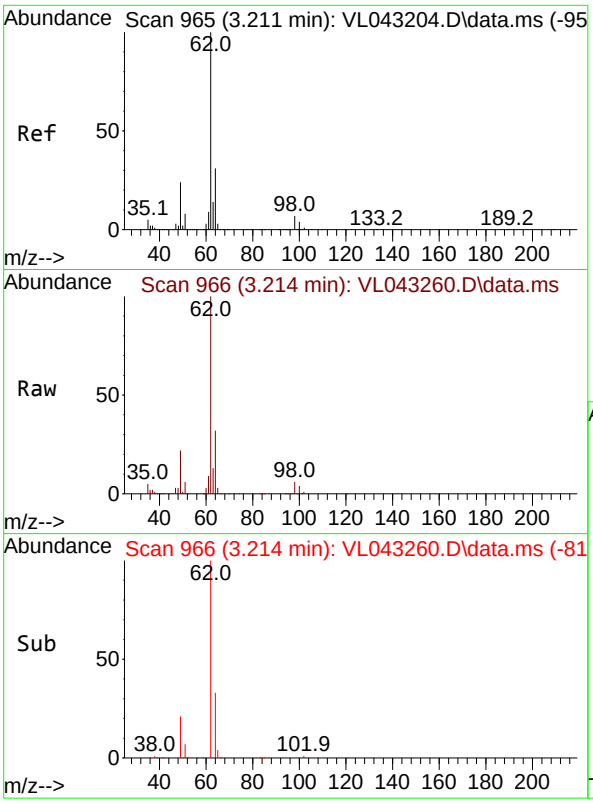


#36
Benzene
Concen: 9.954 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 78 Resp: 257481

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.5	26.3
50	20.7	15.5	23.3



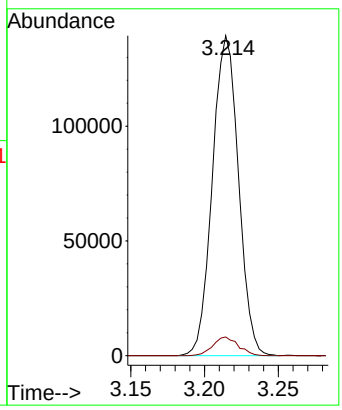


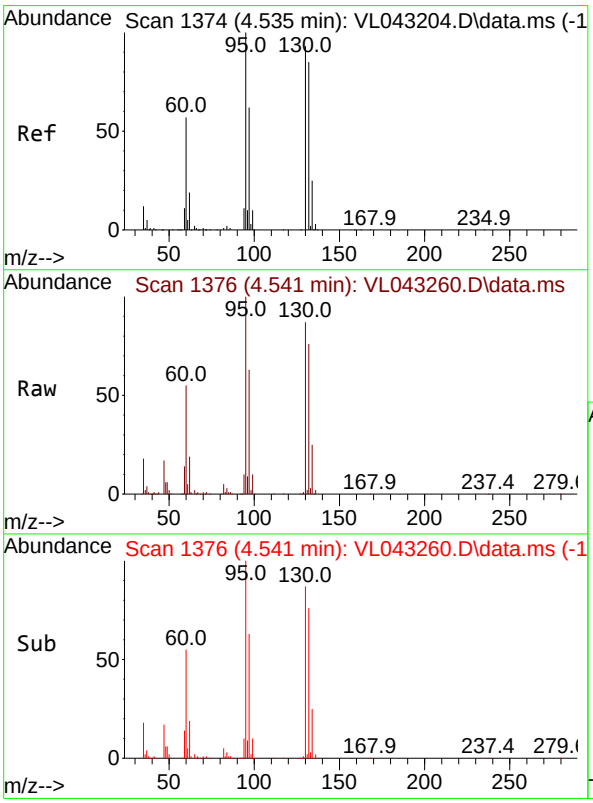
#37
1,2-Dichloroethane
Concen: 11.329 ppbv
RT: 3.214 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 62 Resp: 171416

Ion	Ratio	Lower	Upper
62	100		
98	5.7	5.5	8.3

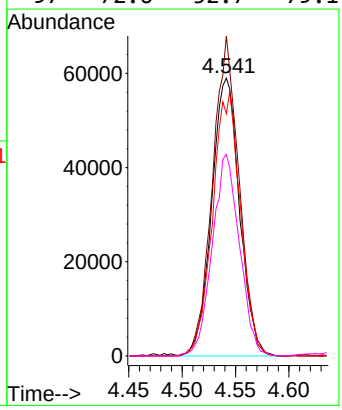


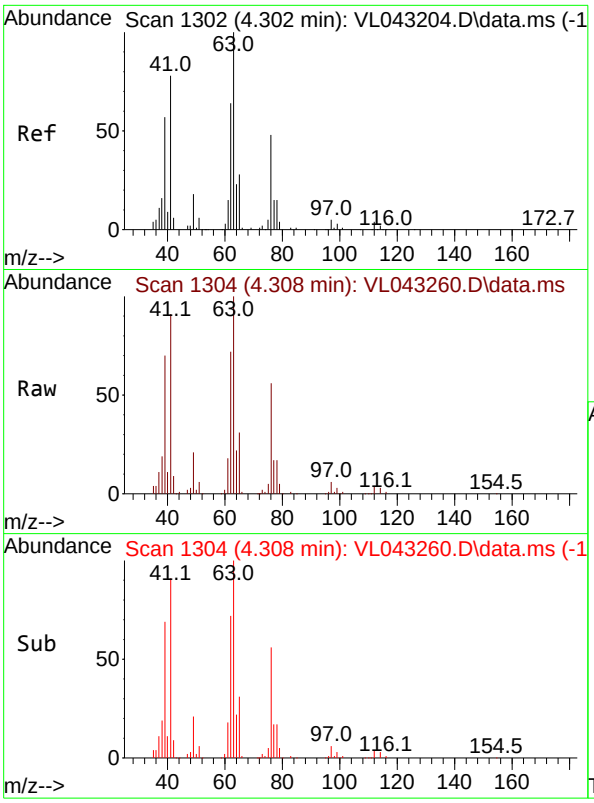


#38
Trichloroethene
Concen: 10.582 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:130 Resp: 107097

Ion	Ratio	Lower	Upper
130	100		
95	115.2	85.7	128.5
132	87.2	73.4	110.0
97	72.6	52.7	79.1



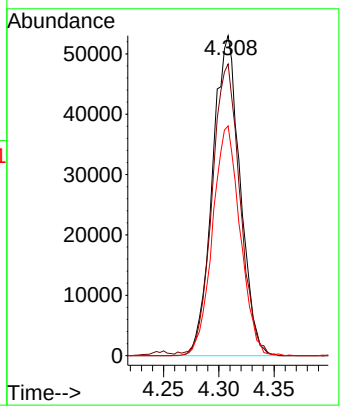


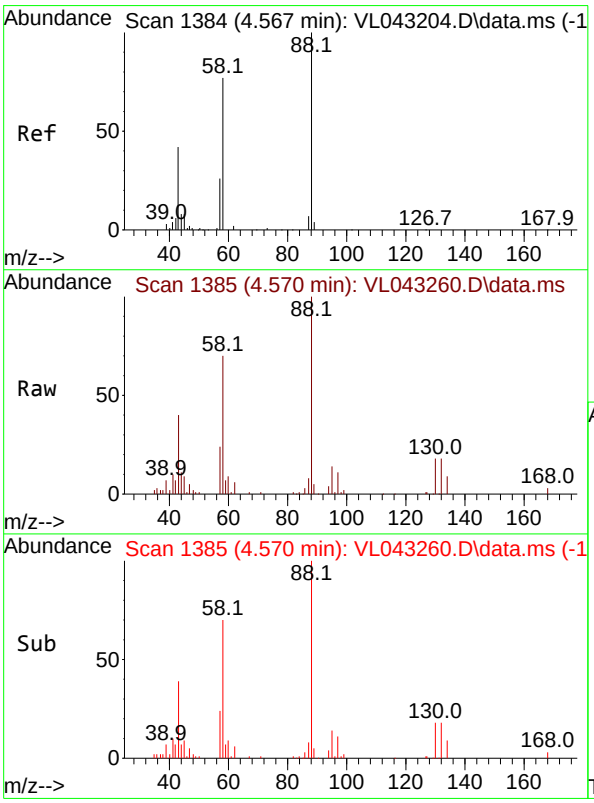
#39
1,2-Dichloropropane
Concen: 9.724 ppbv
RT: 4.308 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 63 Resp: 92063

Ion	Ratio	Lower	Upper
63	100		
41	91.1	62.6	93.8
62	71.8	51.0	76.6

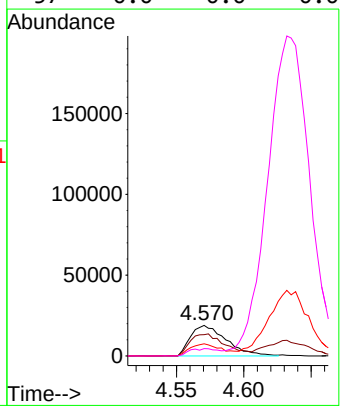


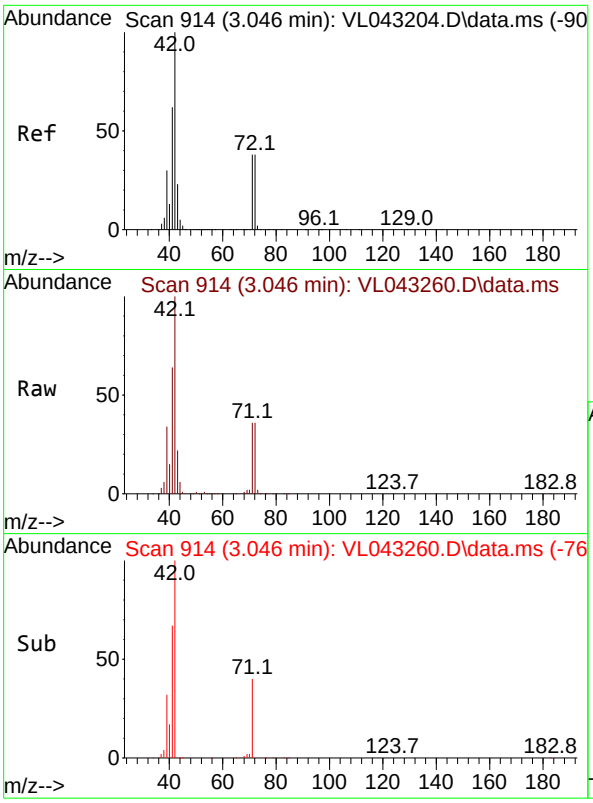


#40
1,4-Dioxane
Concen: 8.236 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 88 Resp: 35055

Ion	Ratio	Lower	Upper
88	100		
58	72.0	63.0	94.6
43	36.6	32.5	48.7
57	0.0	0.0	0.0



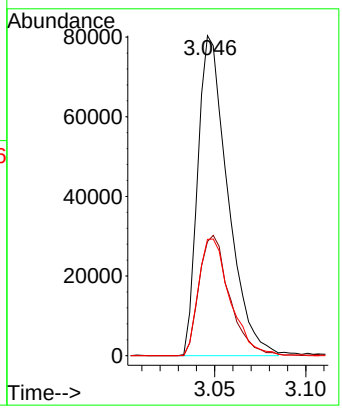


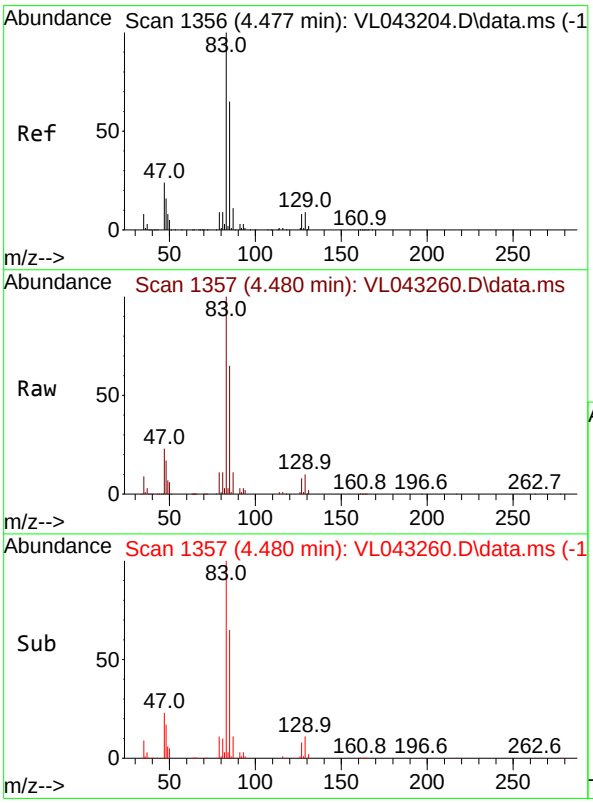
#41
Tetrahydrofuran
Concen: 8.739 ppbv
RT: 3.046 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 42 Resp: 92013

Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.6	46.0
71	38.5	30.5	45.7

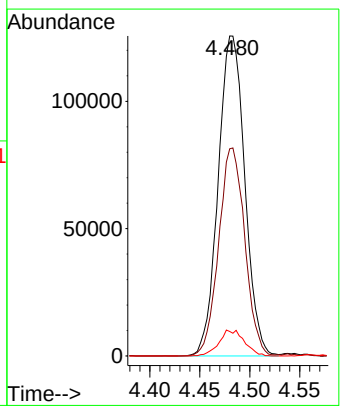


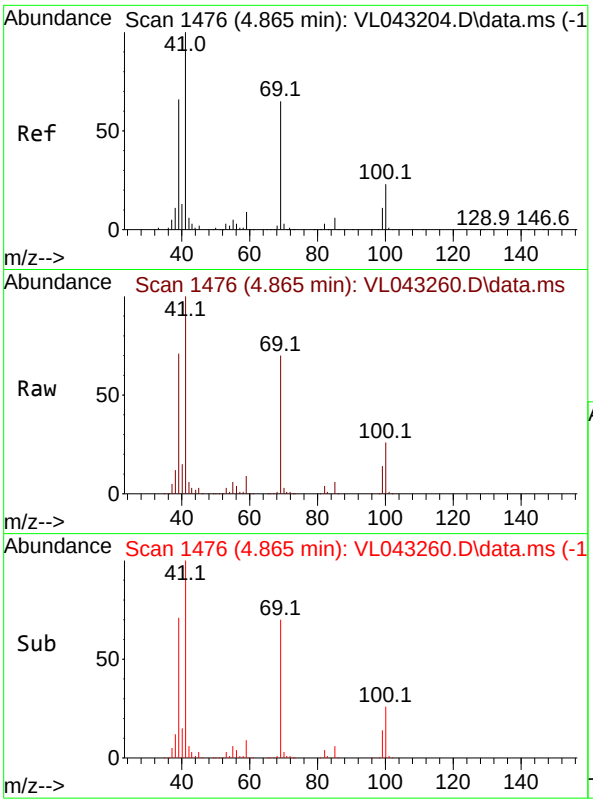


#42
Bromodichloromethane
Concen: 11.161 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 83 Resp: 232959

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5
127	7.6	6.3	9.5



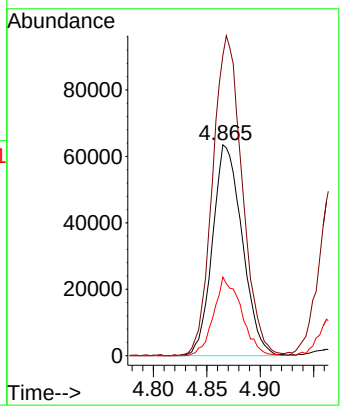


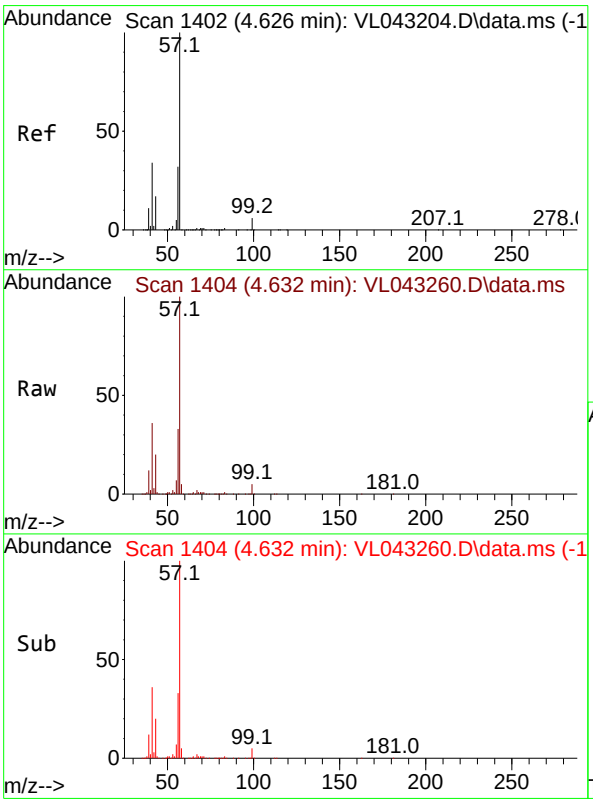
#43
Methyl Methacrylate
Concen: 8.920 ppbv
RT: 4.865 min Scan# 14
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 69 Resp: 122481

Ion	Ratio	Lower	Upper
69	100		
41	151.7	126.7	190.1
100	34.8	28.6	43.0

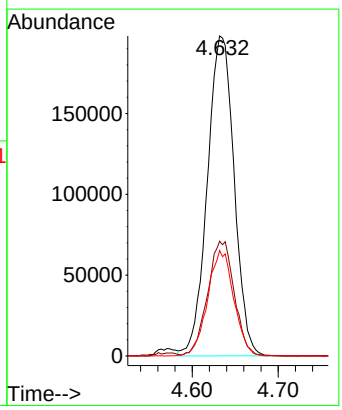


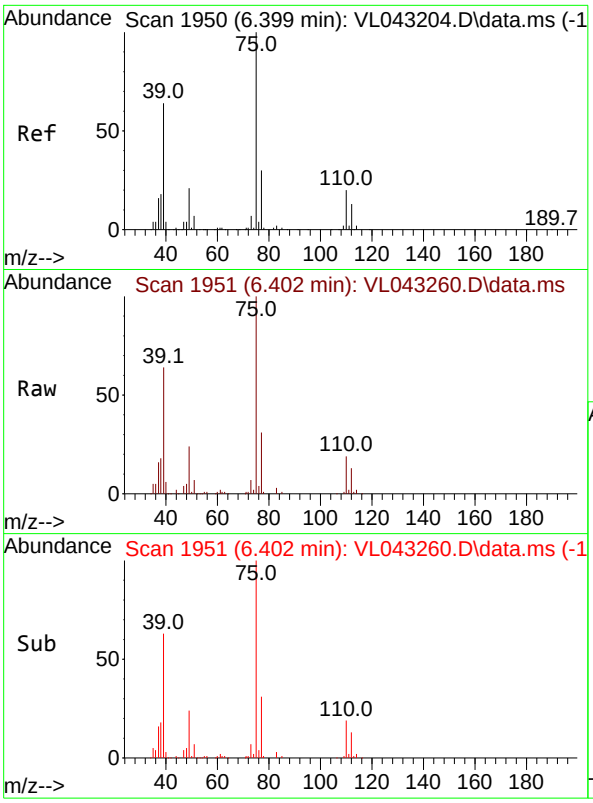


#44
2,2,4-Trimethylpentane
Concen: 9.646 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 57 Resp: 428558

Ion	Ratio	Lower	Upper
57	100		
41	36.7	28.0	42.0
56	32.2	25.6	38.4



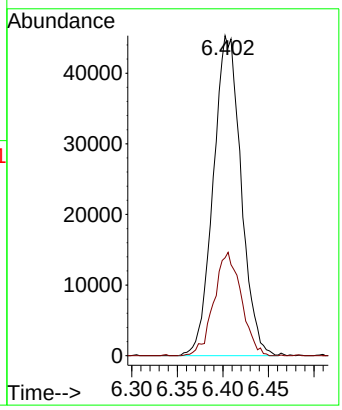


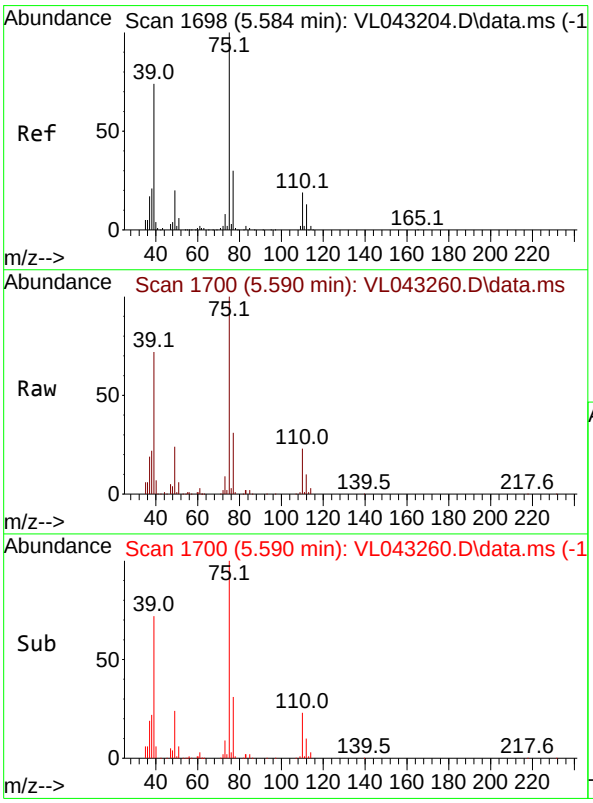
#45
t-1,3-Dichloropropene
Concen: 7.511 ppbv
RT: 6.402 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 75 Resp: 96138

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.3	36.5

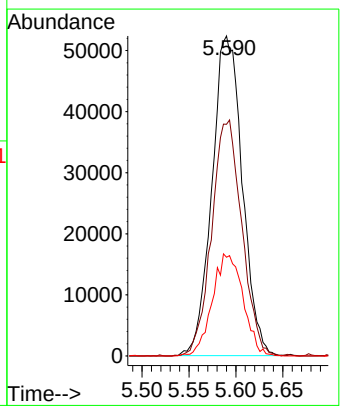


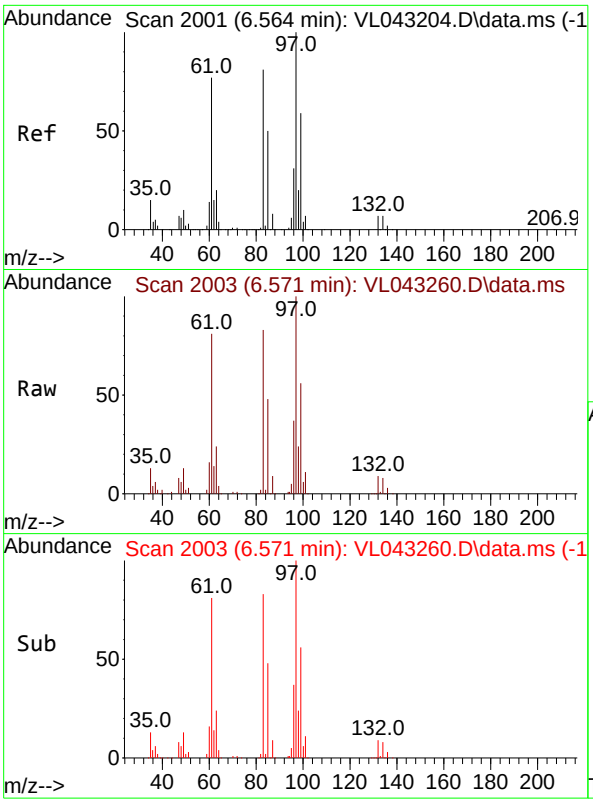


#46
cis-1,3-Dichloropropene
Concen: 7.810 ppbv
RT: 5.590 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 75 Resp: 117380

Ion	Ratio	Lower	Upper
75	100		
39	72.3	59.1	88.7
77	30.8	24.2	36.2



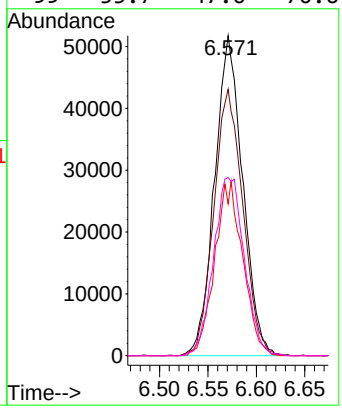


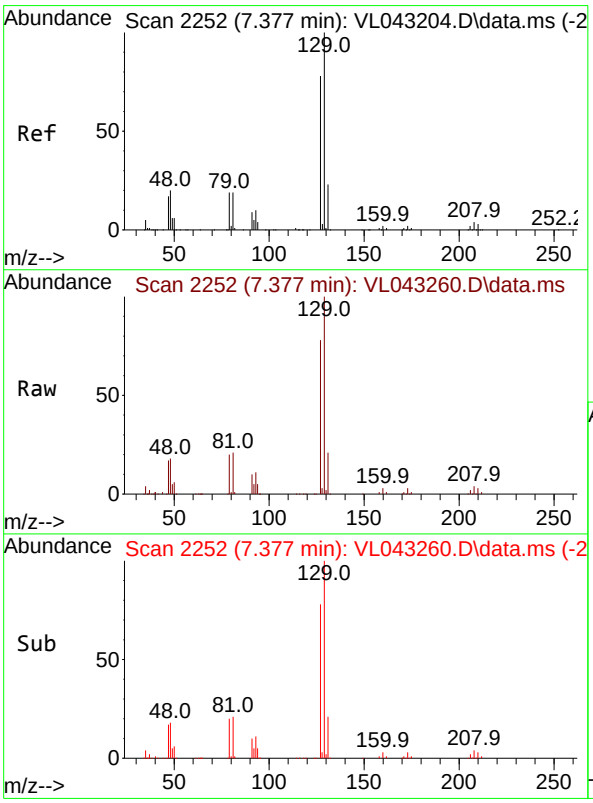
#47
1,1,2-Trichloroethane
Concen: 10.369 ppbv
RT: 6.571 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 97 Resp: 104185

Ion	Ratio	Lower	Upper
97	100		
83	83.2	64.6	97.0
85	47.5	39.4	59.2
99	55.7	47.0	70.6

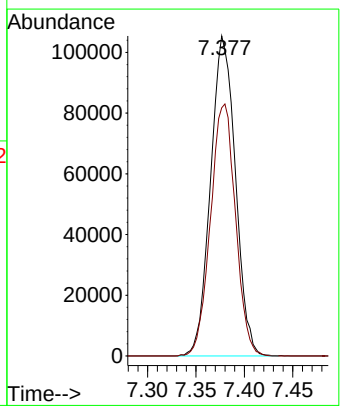


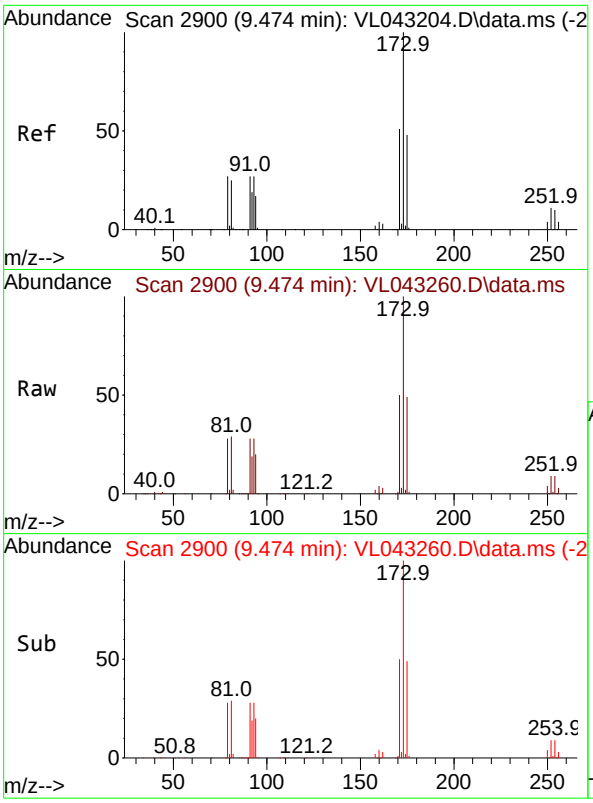


#48
Dibromochloromethane
Concen: 10.892 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:129 Resp: 188165

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.9



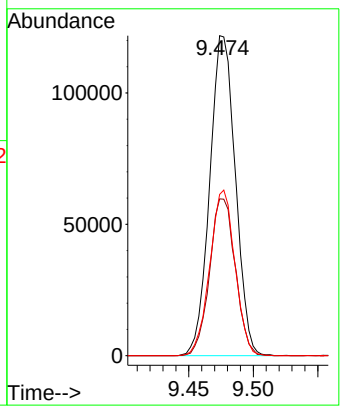


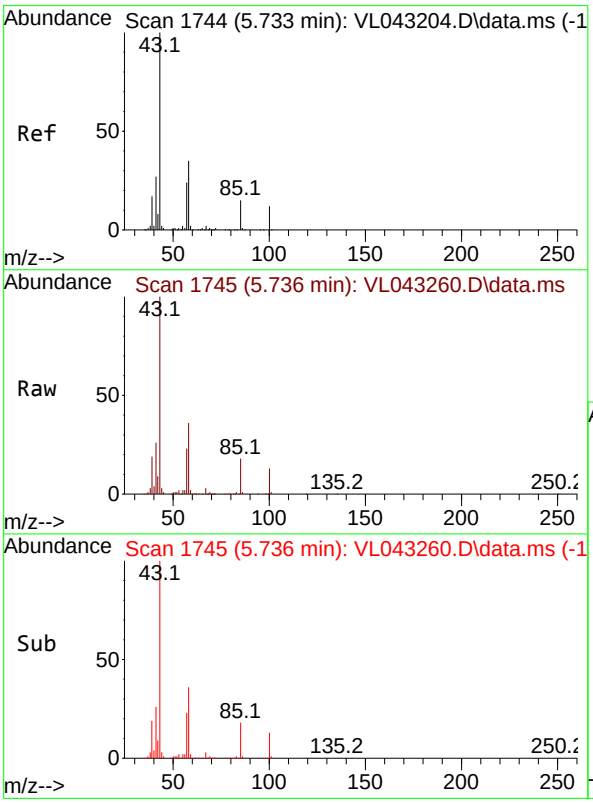
#49
Bromoform
Concen: 10.991 ppbv
RT: 9.474 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:173 Resp: 168175

Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.6	58.0
171	50.7	40.6	61.0

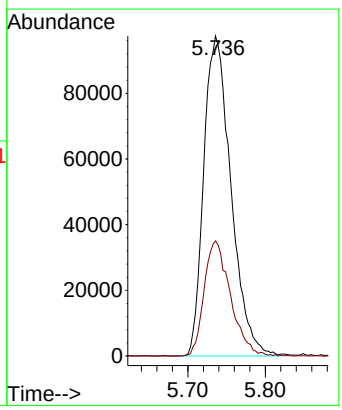


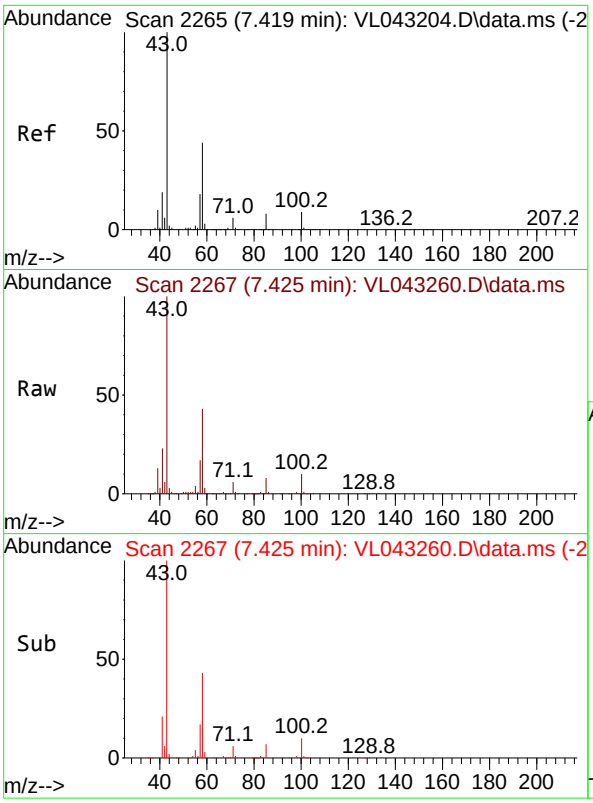


#50
4-Methyl-2-Pentanone
Concen: 8.859 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 43 Resp: 237956

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.4	42.6



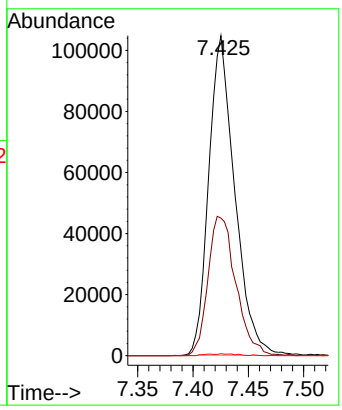


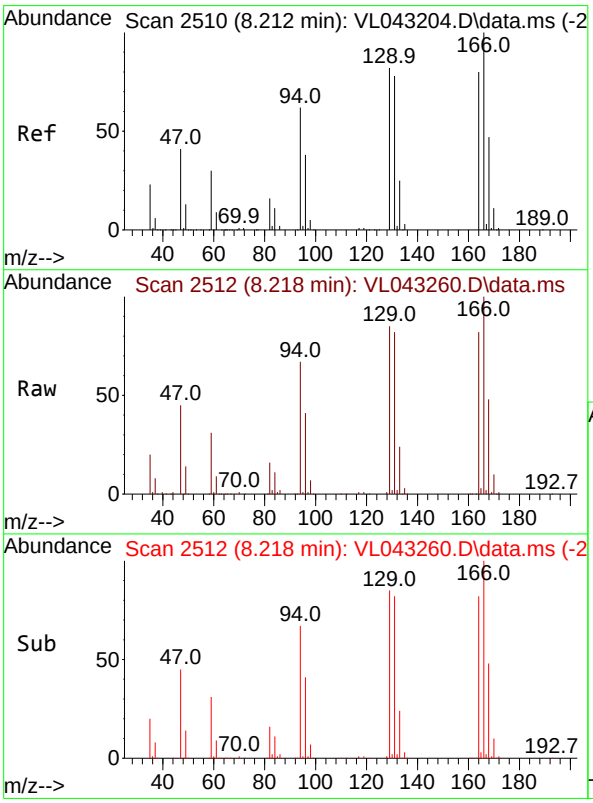
#51
2-Hexanone
Concen: 8.187 ppbv
RT: 7.425 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 43 Resp: 170769

Ion	Ratio	Lower	Upper
43	100		
58	47.0	38.4	57.6
98	0.7	0.0	0.0#

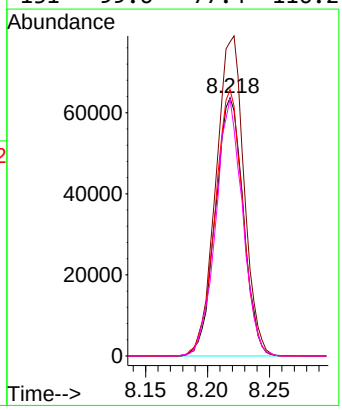


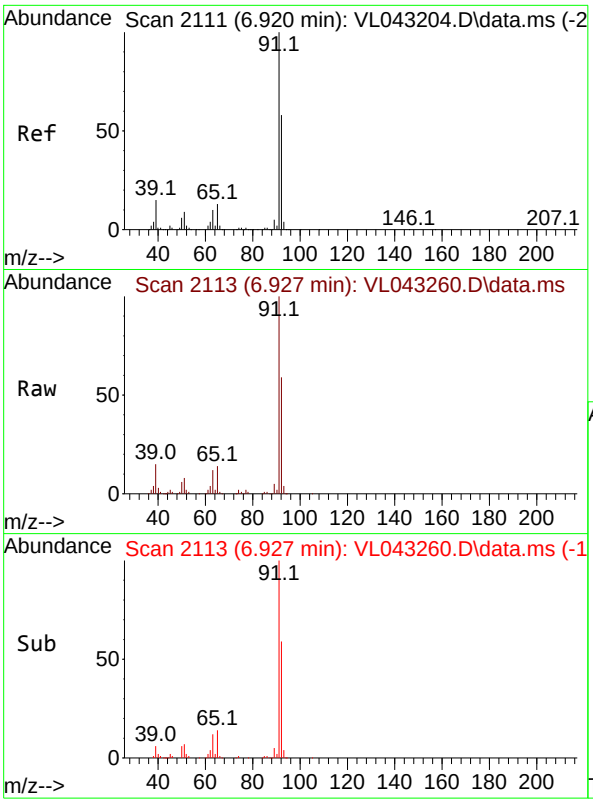


#52
Tetrachloroethene
Concen: 10.391 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:164 Resp: 99982

Ion	Ratio	Lower	Upper
164	100		
166	121.7	99.4	149.2
129	103.2	81.8	122.8
131	99.6	77.4	116.2



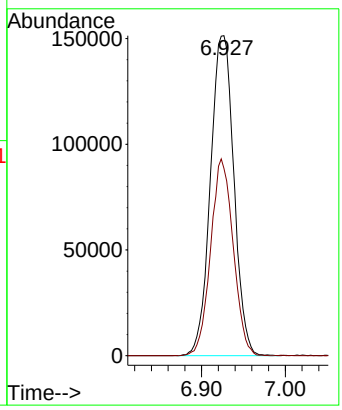


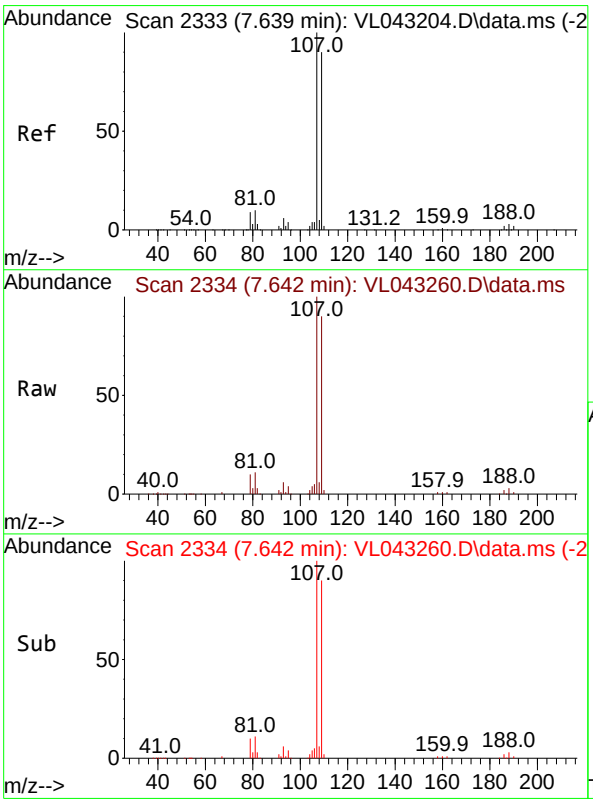
#53
Toluene
Concen: 9.614 ppbv
RT: 6.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 91 Resp: 294482

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.4	71.0

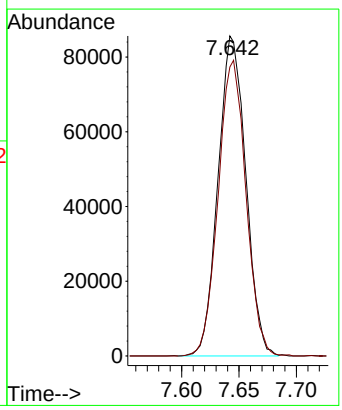


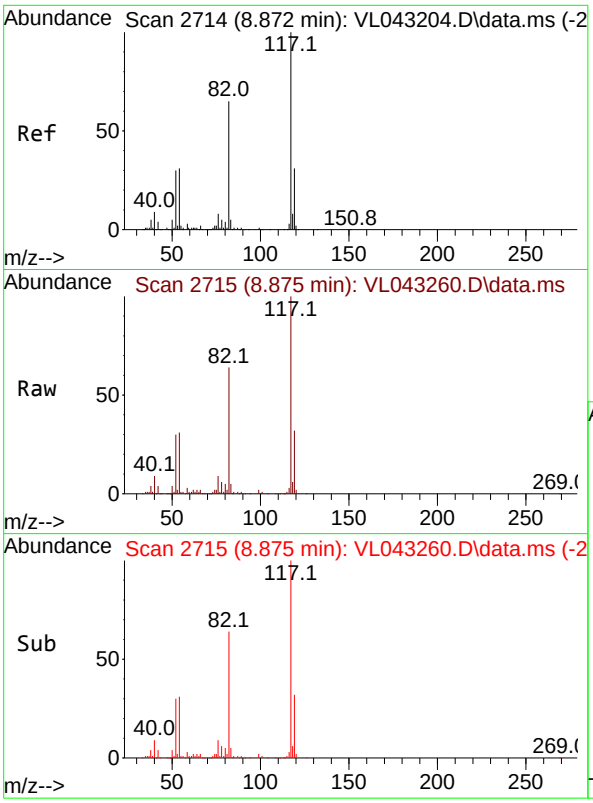


#54
1,2-Dibromoethane
Concen: 9.720 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:107 Resp: 143721

Ion	Ratio	Lower	Upper
107	100		
109	90.3	72.1	108.1



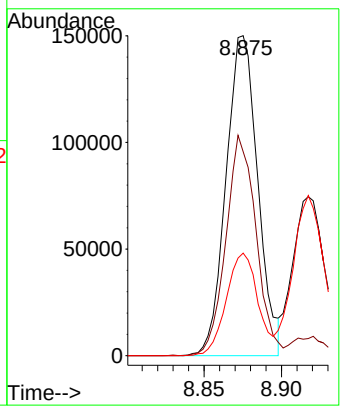


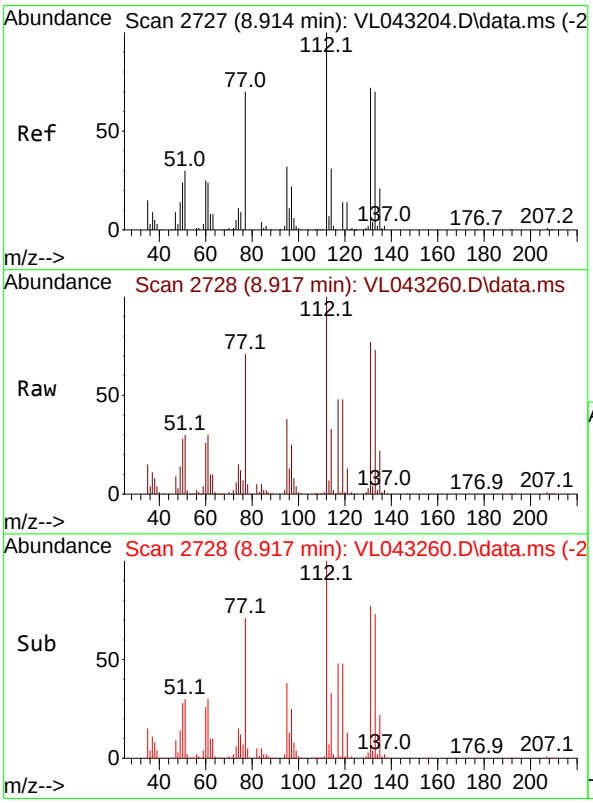
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:117 Resp: 214473

Ion	Ratio	Lower	Upper
117	100		
82	71.5	56.1	84.1
119	31.9	25.0	37.6

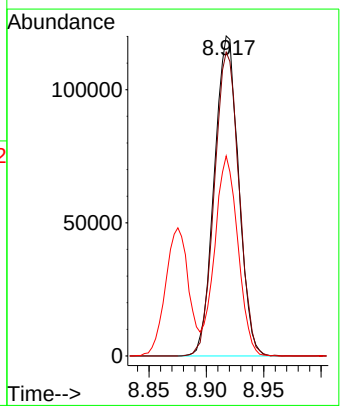


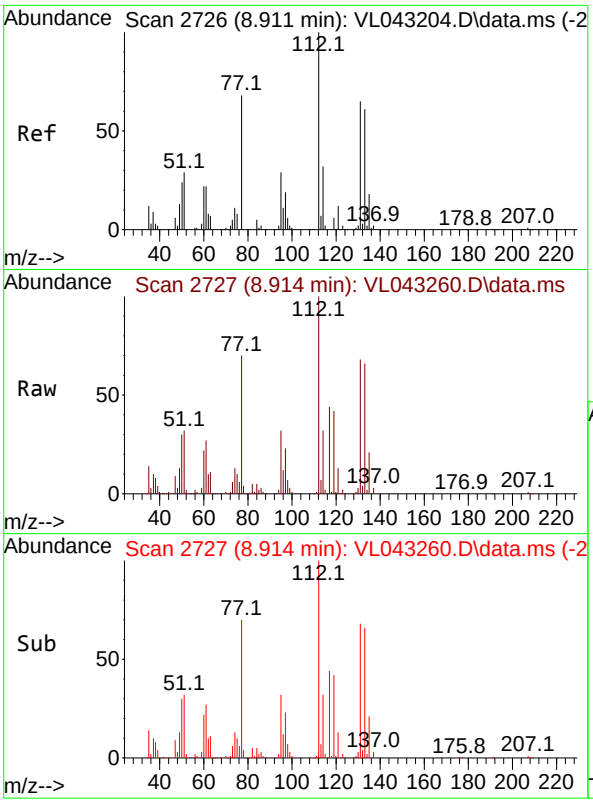


#56
1,1,1,2-Tetrachloroethane
Concen: 11.221 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:131 Resp: 176862

Ion	Ratio	Lower	Upper
131	100		
133	96.3	77.4	116.2
119	60.7	49.1	73.7



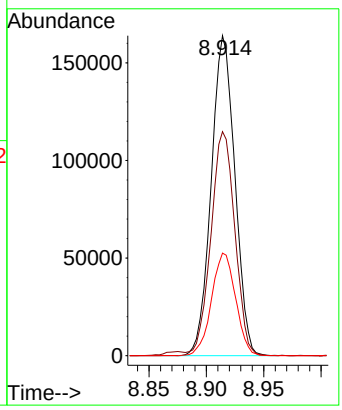


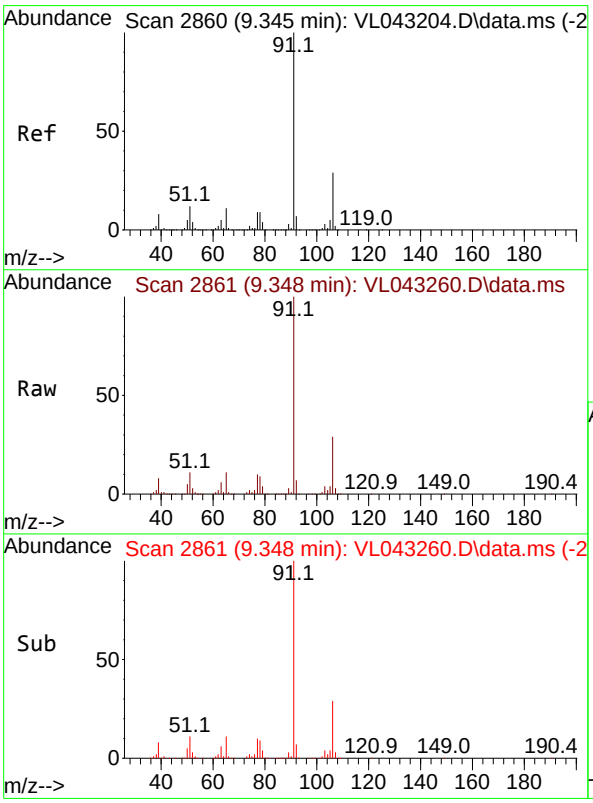
#57
Chlorobenzene
Concen: 10.664 ppbv
RT: 8.914 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:112 Resp: 234816

Ion	Ratio	Lower	Upper
112	100		
77	70.0	55.5	83.3
114	32.1	29.1	35.5

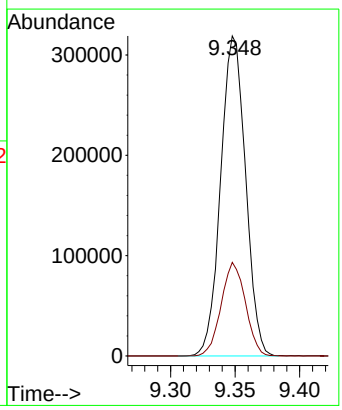


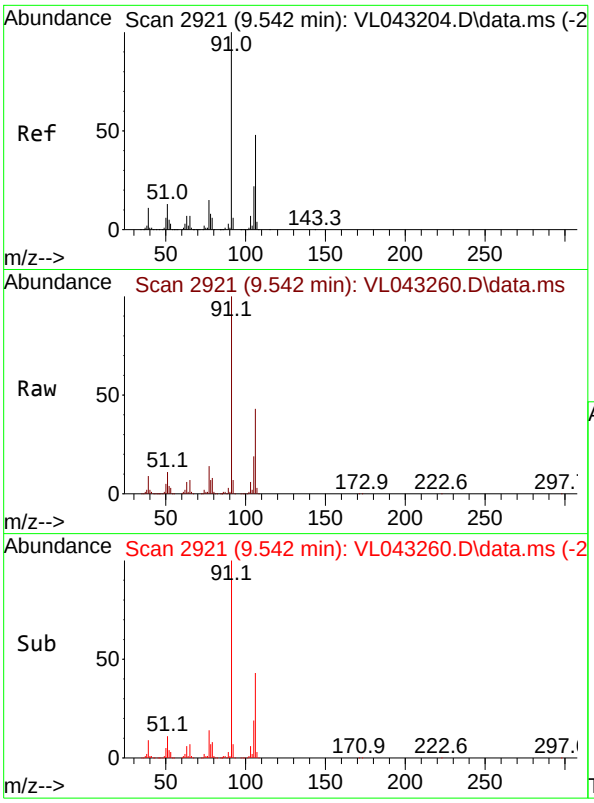


#58
Ethyl Benzene
Concen: 10.357 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 427546

Ion	Ratio	Lower	Upper
91	100		
106	29.3	22.8	34.2



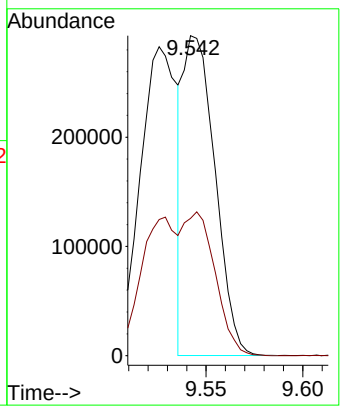


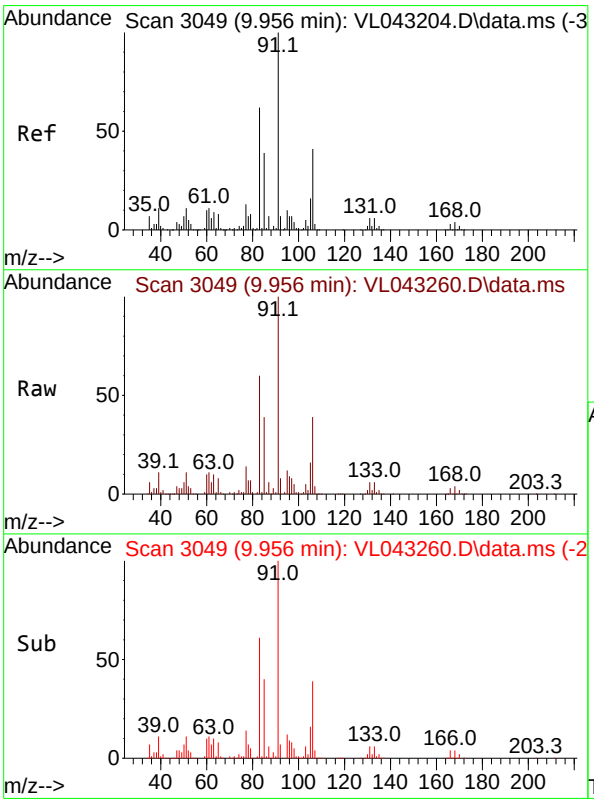
#59
m/p-Xylene
Concen: 10.089 ppbv
RT: 9.542 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 91 Resp: 333908

Ion	Ratio	Lower	Upper
91	100		
106	95.5	36.1	54.1#

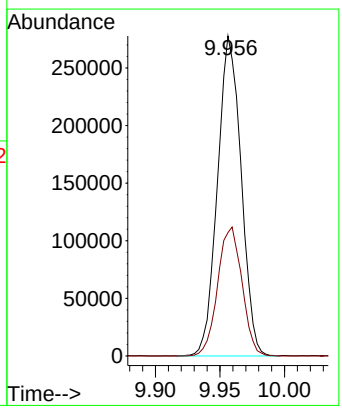


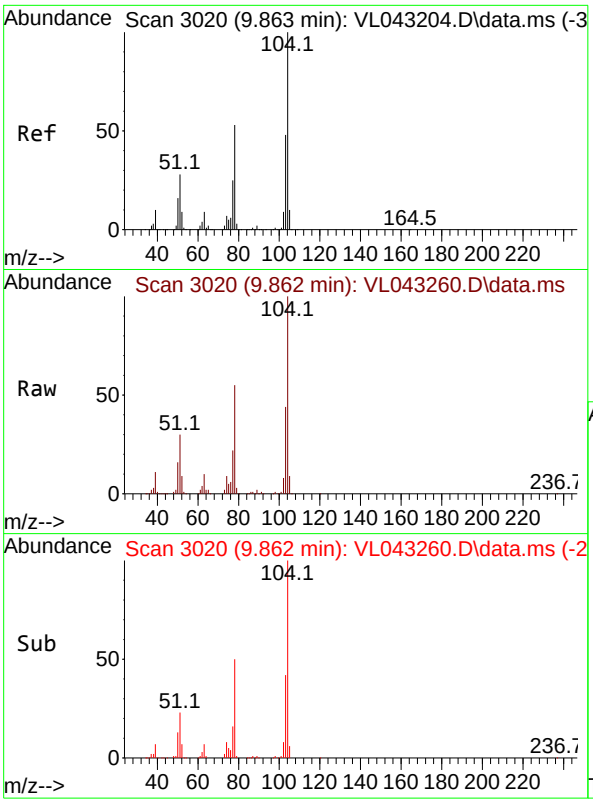


#60
o-Xylene
Concen: 10.695 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 353595

Ion	Ratio	Lower	Upper
91	100		
106	41.3	20.9	62.8



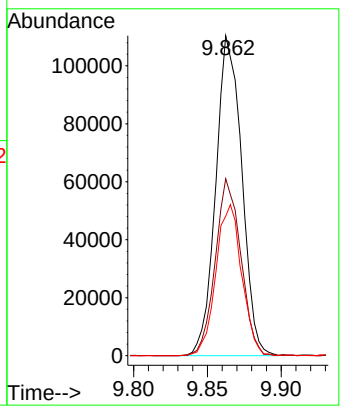


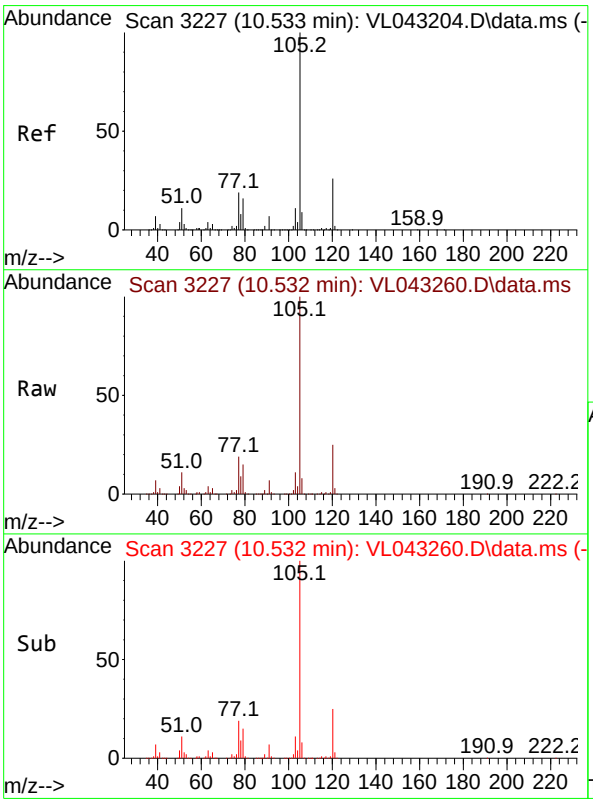
#61
Styrene
Concen: 9.363 ppbv
RT: 9.862 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:104 Resp: 135477

Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.1	63.1
103	47.1	37.2	55.8

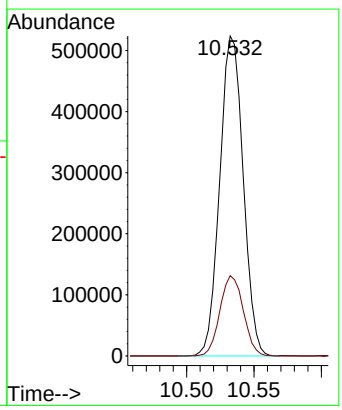


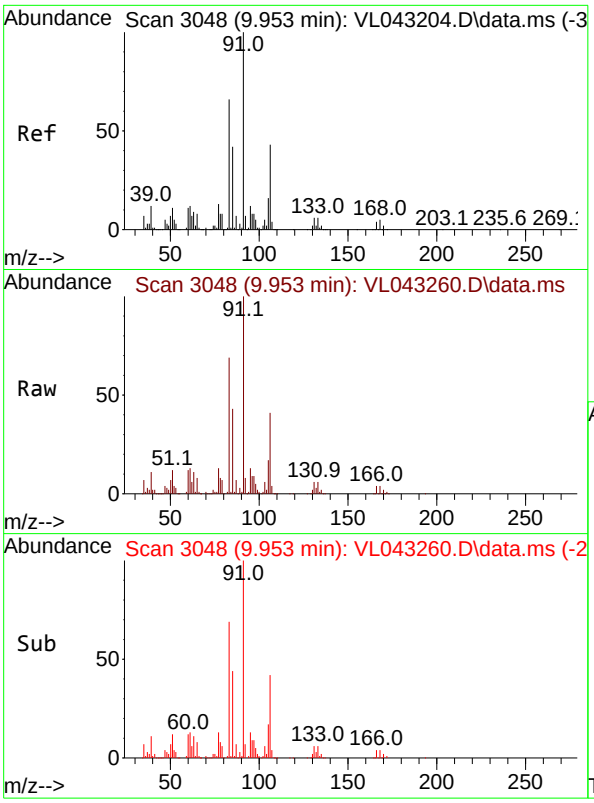


#62
Isopropylbenzene
Concen: 10.720 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 634112

Ion	Ratio	Lower	Upper
105	100		
120	25.0	19.8	29.8



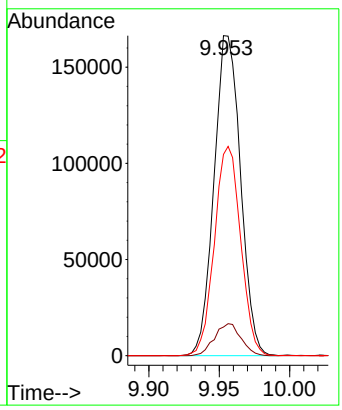


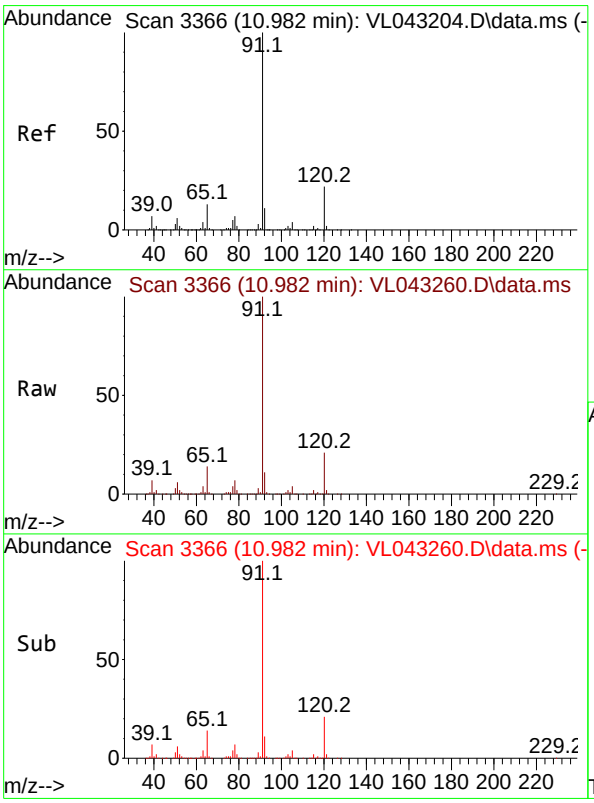
#63
1,1,2,2-Tetrachloroethane
Concen: 10.371 ppbv
RT: 9.953 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 83 Resp: 218173

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	64.8	31.9	95.9

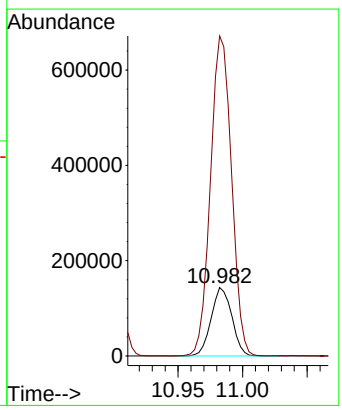


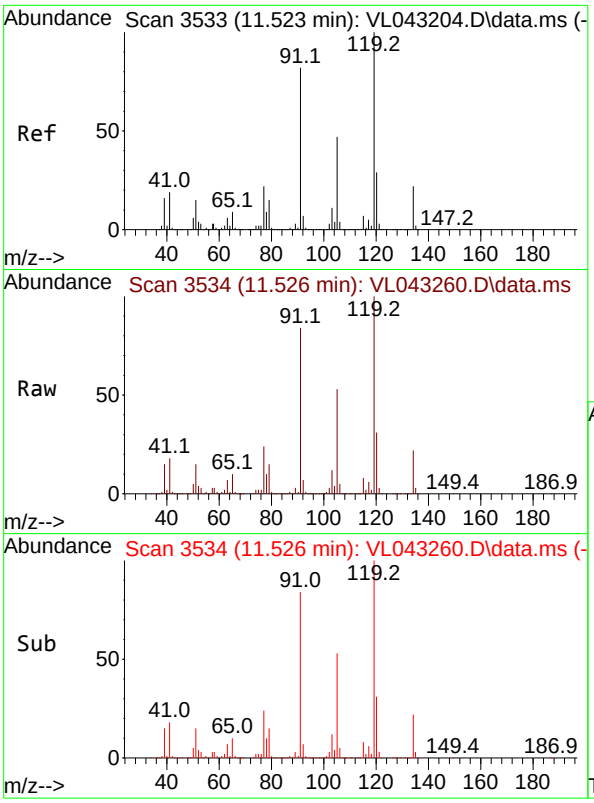


#64
n-propylbenzene
Concen: 10.480 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:120 Resp: 159286

Ion	Ratio	Lower	Upper
120	100		
91	478.3	377.1	565.7



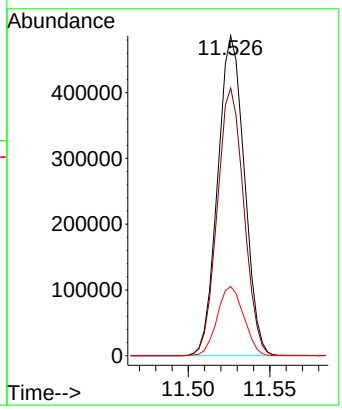


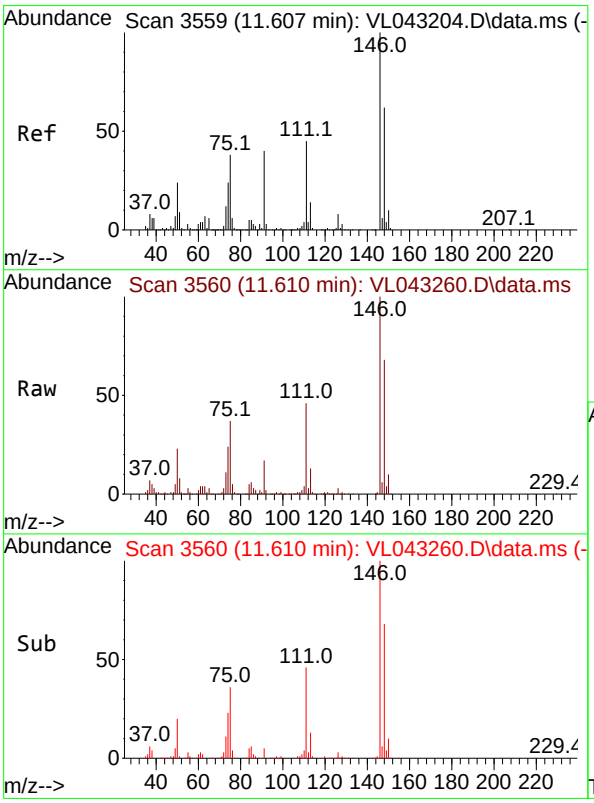
#65
tert-Butylbenzene
Concen: 10.467 ppbv
RT: 11.526 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:119 Resp: 552915

Ion	Ratio	Lower	Upper
119	100		
91	83.3	65.3	97.9
134	21.5	17.0	25.4

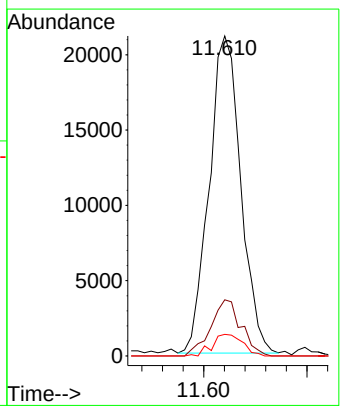


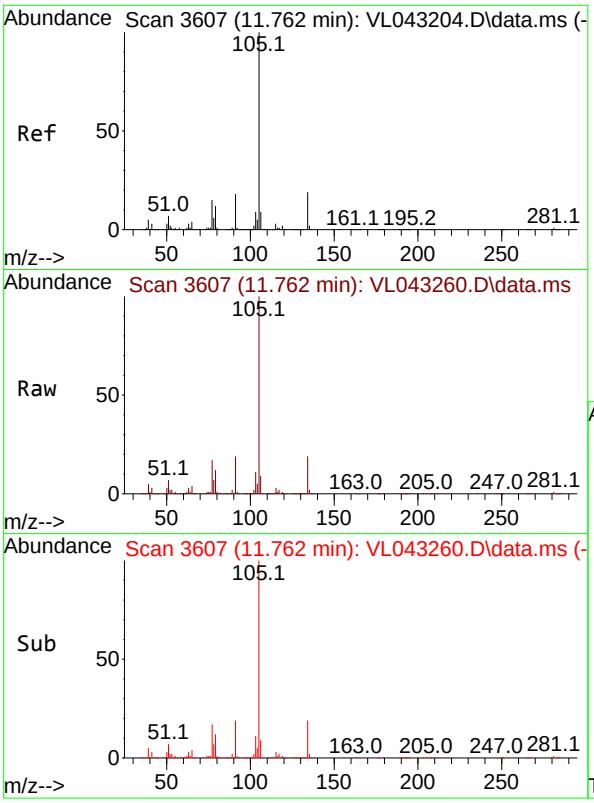


#66
Benzyl Chloride
Concen: 4.178 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 22396

Ion	Ratio	Lower	Upper
91	100		
126	17.0	14.4	21.6
128	6.6	4.6	6.8



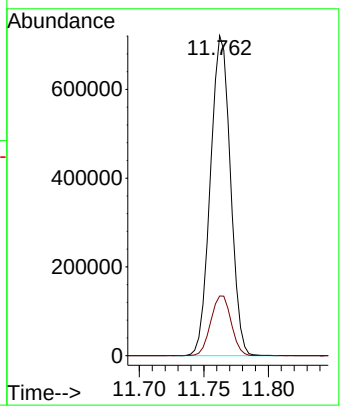


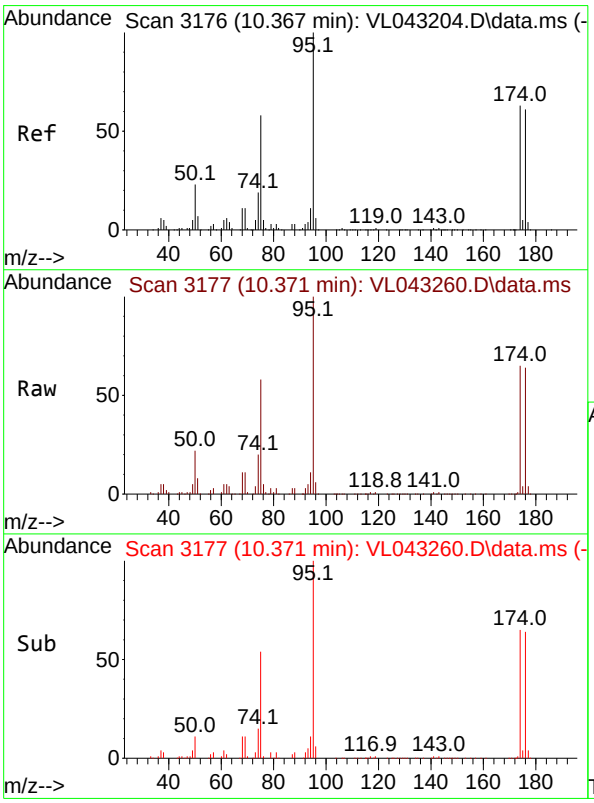
#67
sec-Butylbenzene
Concen: 10.570 ppbv
RT: 11.762 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:105 Resp: 779369

Ion	Ratio	Lower	Upper
105	100		
134	19.1	15.0	22.6

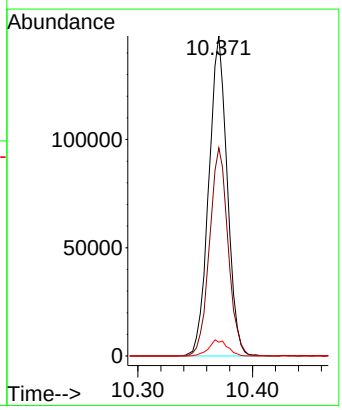


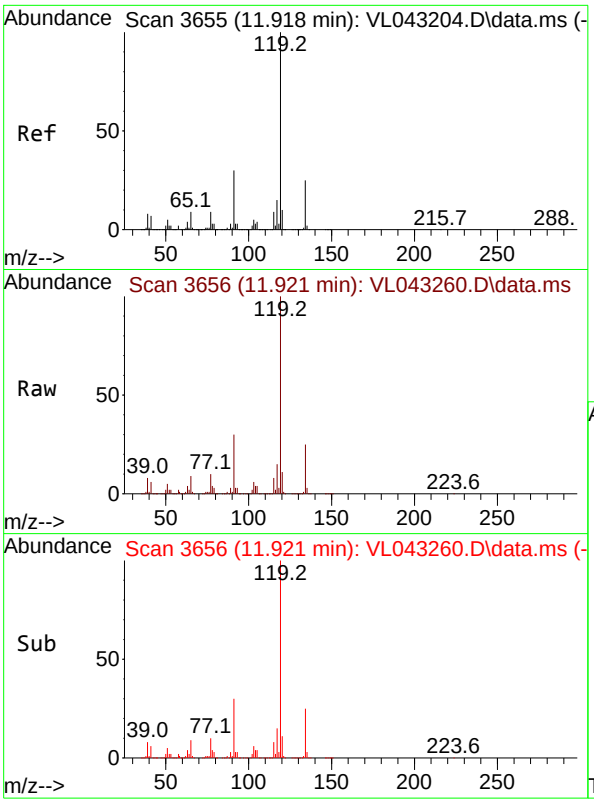


#68
1-Bromo-4-Fluorobenzene
Concen: 10.466 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 95 Resp: 164533

Ion	Ratio	Lower	Upper
95	100		
174	65.6	50.2	75.2
175	5.1	4.1	6.1



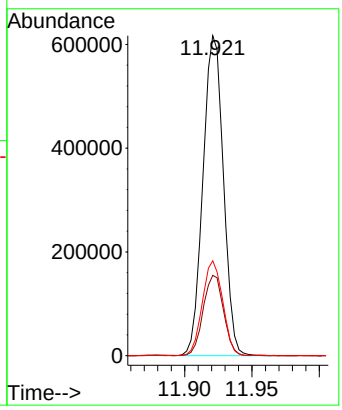


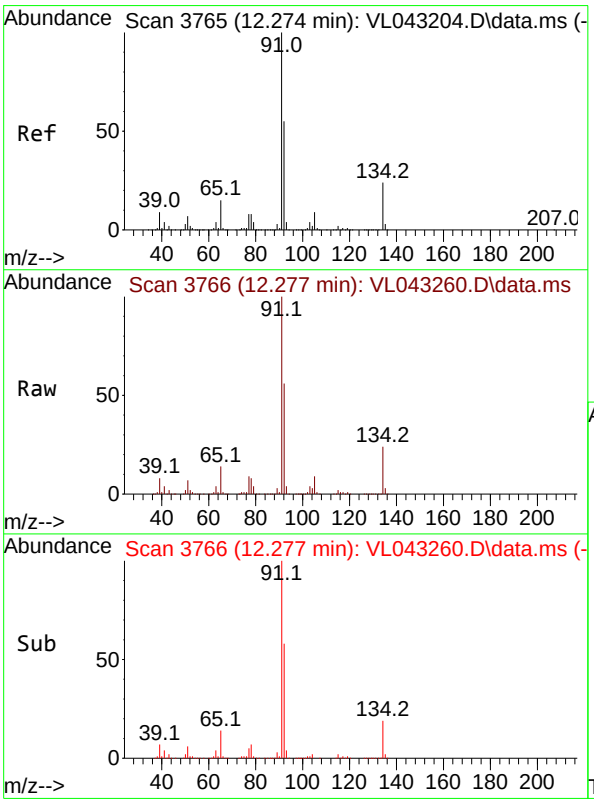
#69
p-Isopropyltoluene
Concen: 10.405 ppbv
RT: 11.921 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:119 Resp: 649941

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	29.7	23.8	35.8

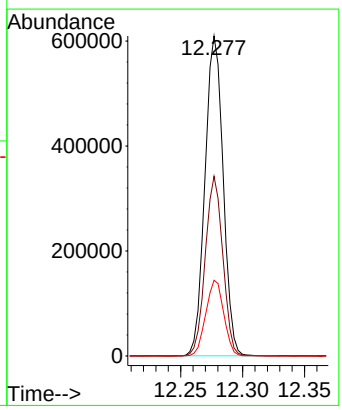


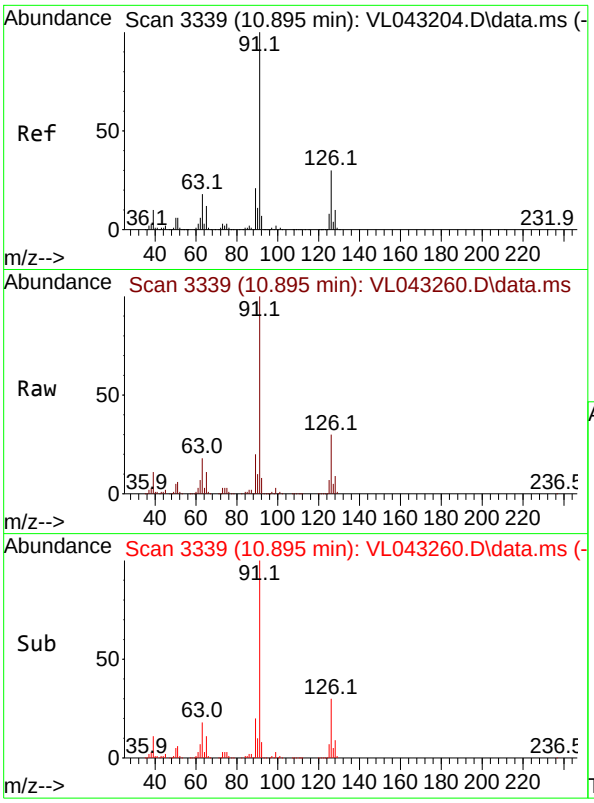


#70
n-Butylbenzene
Concen: 10.278 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion: 91 Resp: 622858

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.5	65.3
134	23.4	19.0	28.6



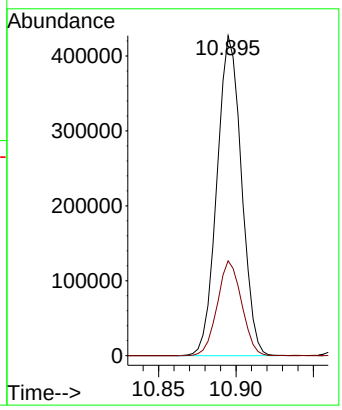


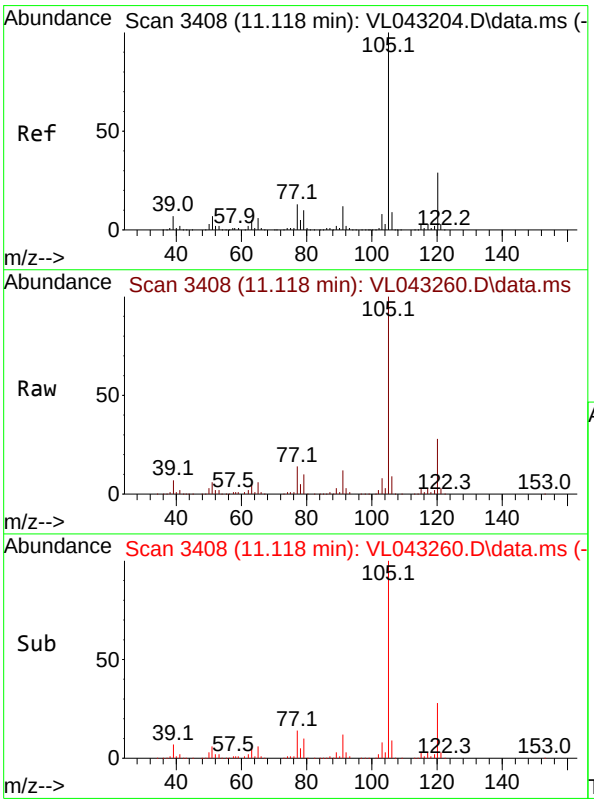
#71
2-Chlorotoluene
Concen: 10.337 ppbv
RT: 10.895 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion: 91 Resp: 469961

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.7	46.7

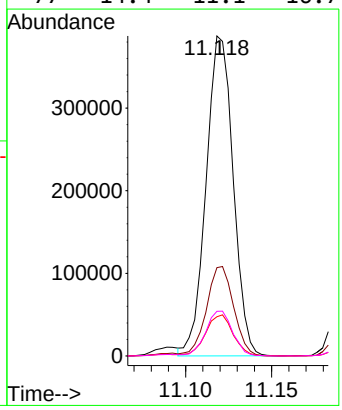


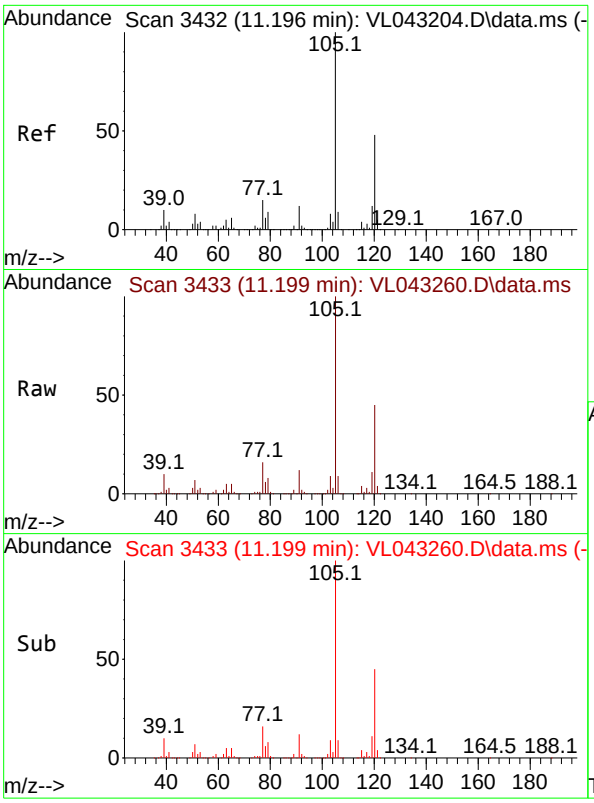


#72
4-Ethyltoluene
Concen: 10.529 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 423927

Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.8	35.8
91	13.6	10.3	15.5
77	14.4	11.1	16.7



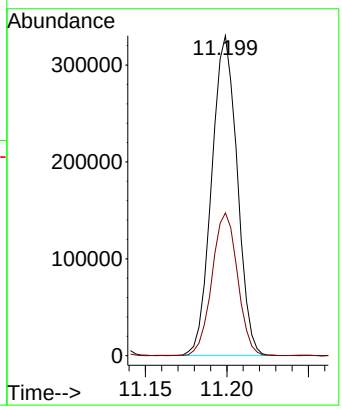


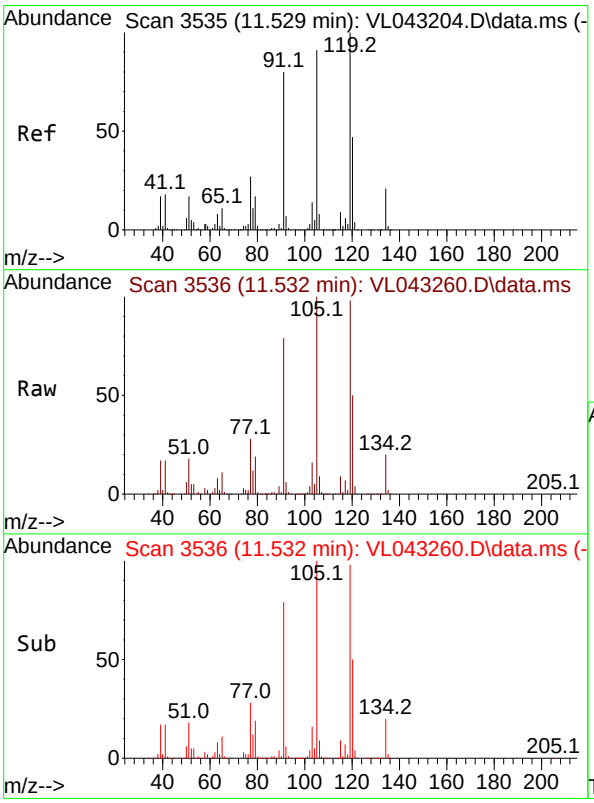
#73
1,3,5-Trimethylbenzene
Concen: 10.613 ppbv
RT: 11.199 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:105 Resp: 358599

Ion	Ratio	Lower	Upper
105	100		
120	44.6	38.6	57.8

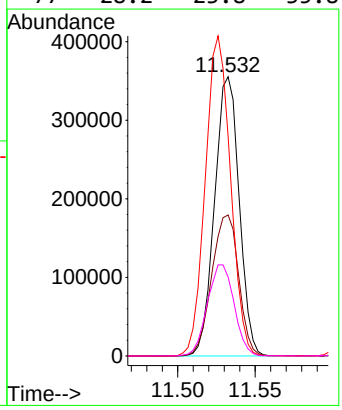


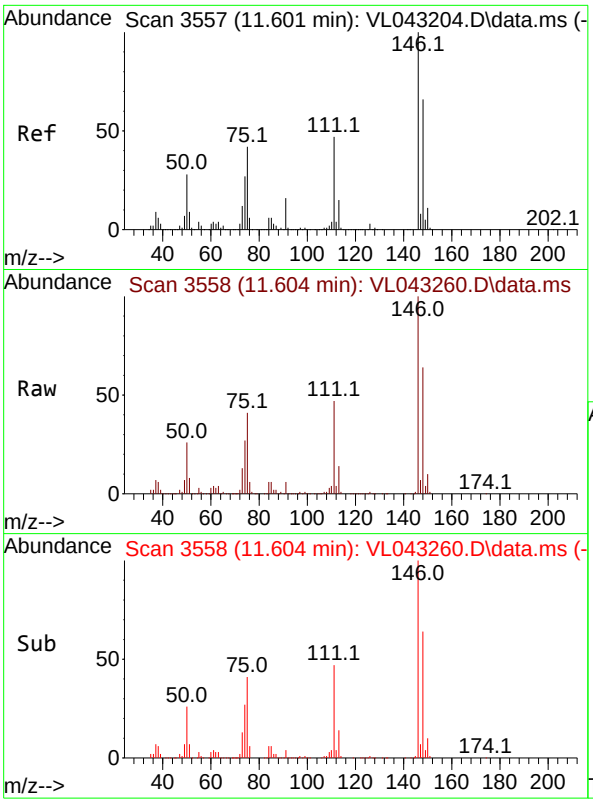


#74
1,2,4-Trimethylbenzene
Concen: 10.645 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:105 Resp: 392516

Ion	Ratio	Lower	Upper
105	100		
120	50.4	41.7	62.5
91	78.6	70.0	105.0
77	28.2	23.8	35.8



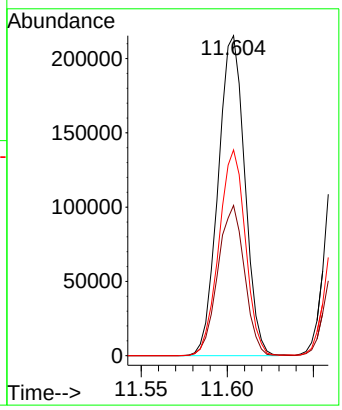


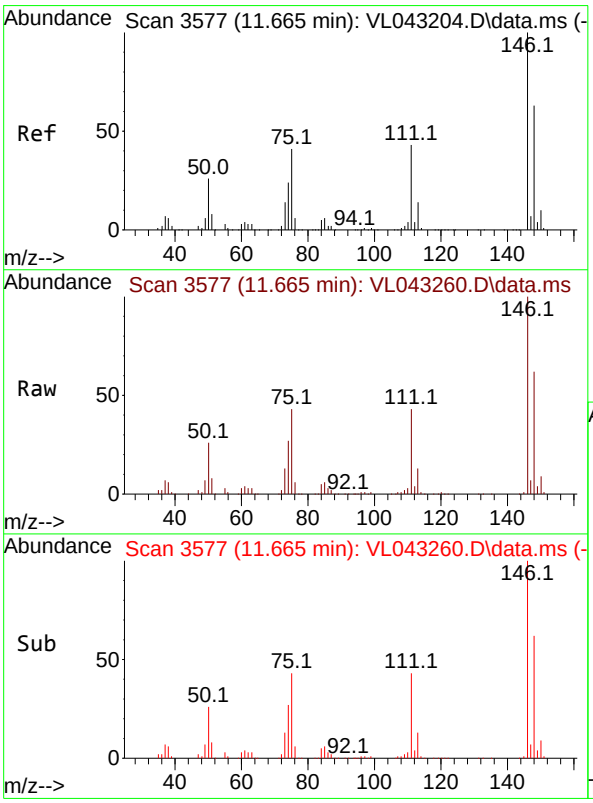
#75
1,3-Dichlorobenzene
Concen: 10.765 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:146 Resp: 231654

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.4	70.3
148	64.1	31.6	95.0

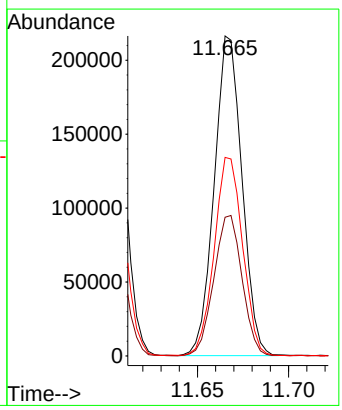


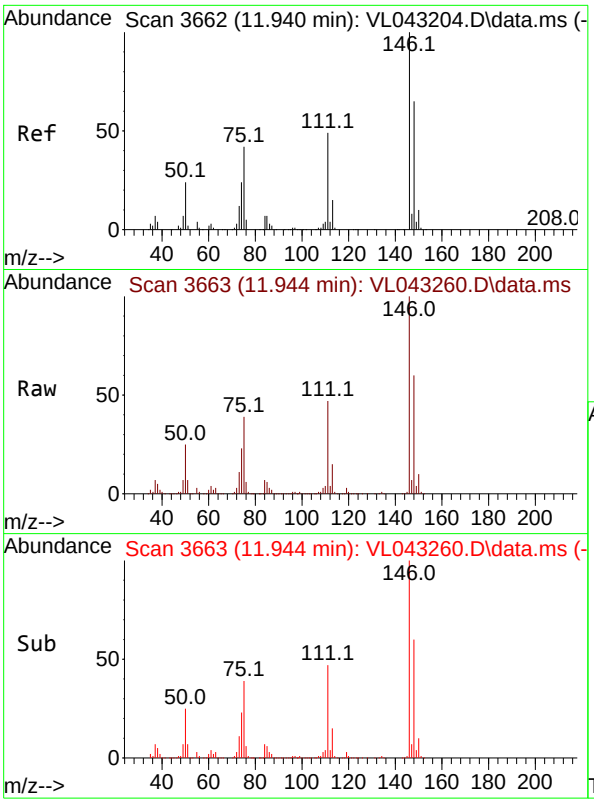


#76
1,4-Dichlorobenzene
Concen: 10.642 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:146 Resp: 229039

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.8	68.3
148	63.8	31.8	95.4



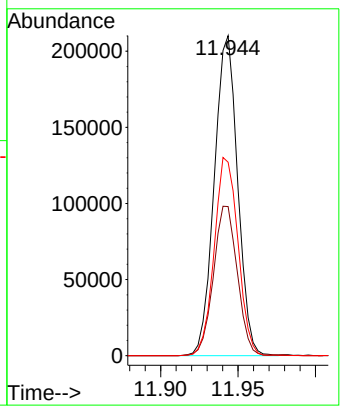


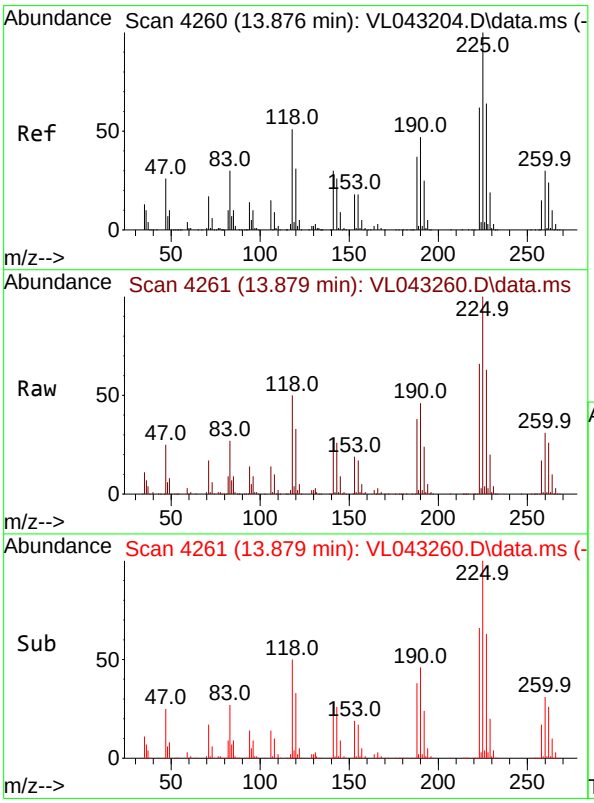
#77
1,2-Dichlorobenzene
Concen: 10.642 ppbv
RT: 11.944 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:146 Resp: 220159

Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.3	73.0
148	63.2	31.6	94.7

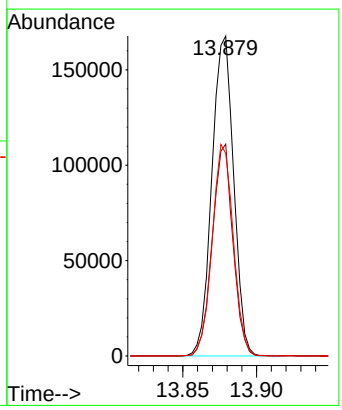


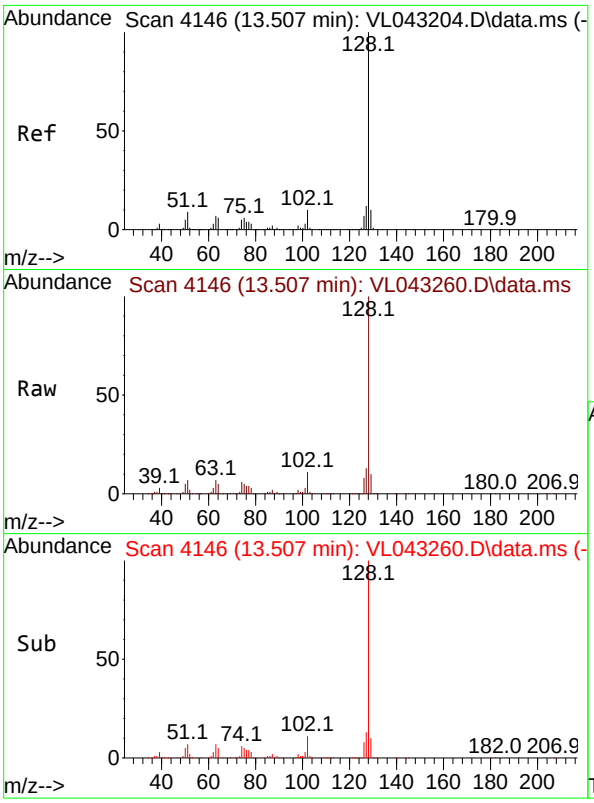


#78
Hexachloro-1,3-Butadiene
Concen: 9.961 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:225 Resp: 171979

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.4
227	64.2	51.1	76.7



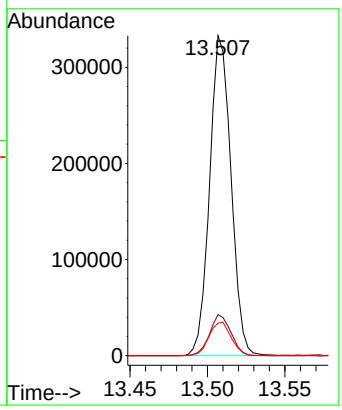


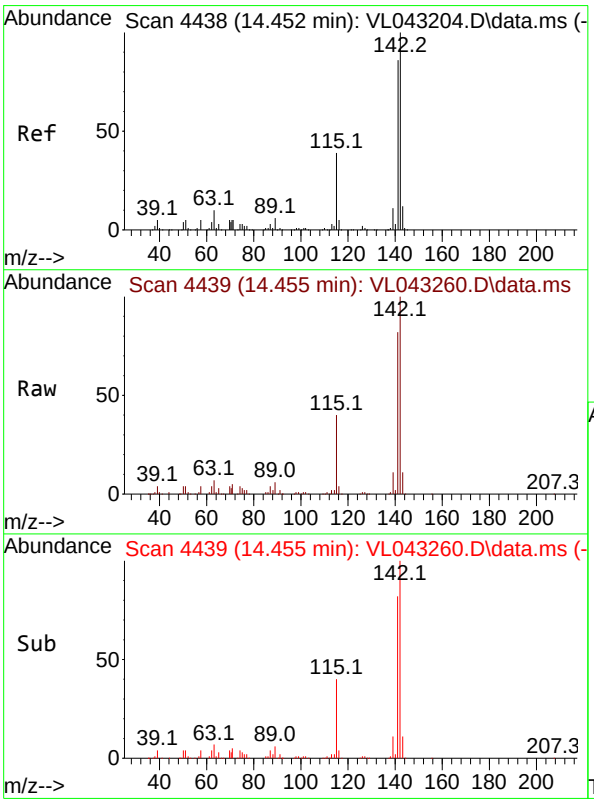
#79
Naphthalene
Concen: 9.764 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:128 Resp: 319763

Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.2	8.4	12.6

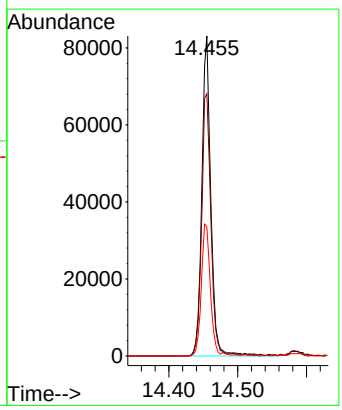


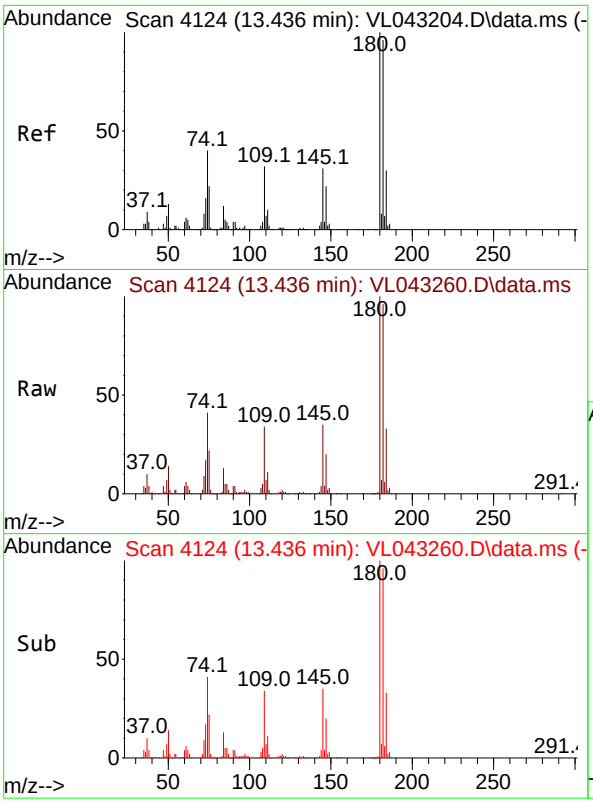


#80
Naphthalene,2-methyl-
Concen: 8.734 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Tgt Ion:142 Resp: 75079

Ion	Ratio	Lower	Upper
142	100		
141	85.5	67.1	100.7
115	42.6	31.9	47.9



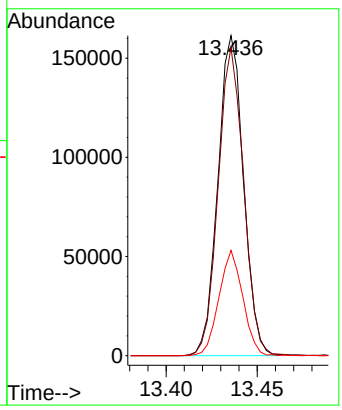


#81
1,2,4-Trichlorobenzene
Concen: 10.761 ppbv
RT: 13.436 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043260.D
Acq: 20 Nov 2025 12:07

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABS01

Tgt Ion:180 Resp: 157618

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.2
184	30.7	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043261.D
Acq On : 20 Nov 2025 12:49
Operator : SY/MD
Sample : Q3655-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Time: Nov 21 00:37:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	103035	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	274703	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	210056	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	151243	9.823	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3995	0.275	ppbv		95
3) Chlorodifluoromethane	1.467	51	22151	1.550	ppbv	#	63
4) Chloromethane	1.535	50	1113	0.205	ppbv		90
8) Dichlorotetrafluoroethane	1.557	85	365	0.030	ppbv	#	62
9) Propene	1.489	41	1610	0.265	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	2007	0.143	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.143	101	665	0.060	ppbv		85
13) Ethanol	1.722	45	3531	1.655	ppbv	#	38
15) Acetone	1.839	43	22294	1.557	ppbv	#	86
16) 1,3-Butadiene	1.599	39	976	0.153	ppbv	#	46
17) tert-Butyl alcohol	2.043	59	1100	0.059	ppbv	#	68
19) Isopropyl Alcohol	1.888	45	4190	0.518	ppbv	#	1
20) Methylene Chloride	2.062	84	5379	0.532	ppbv	#	83
22) trans-1,2-Dichloroethene	2.341	96	203	0.035	ppbv	#	37
23) Vinyl Acetate	2.473	43	7844	0.454	ppbv	#	27
25) Ethyl Acetate	2.823	43	11301	0.366	ppbv	#	82
26) Hexane	2.823	57	13470	0.995	ppbv	#	44
27) Carbon Disulfide	2.150	76	884	0.064	ppbv	#	1
34) 2-Butanone	2.561	43	8515	0.439	ppbv		95
36) Benzene	3.658	78	2331	0.089	ppbv	#	82
37) 1,2-Dichloroethane	3.211	62	499	0.032	ppbv	#	86
39) 1,2-Dichloropropane	3.952	63	68697	7.135	ppbv	#	24
41) Tetrahydrofuran	3.066	42	546	0.051	ppbv	#	37
52) Tetrachloroethene	8.218	164	60277	6.160	ppbv		89
53) Toluene	6.930	91	3307	0.106	ppbv	#	21
56) 1,1,1,2-Tetrachloroethane	8.934	131	1606	0.104	ppbv	#	1
57) Chlorobenzene	8.921	112	775	0.036	ppbv	#	59
58) Ethyl Benzene	9.348	91	1746	0.043	ppbv		91
60) o-Xylene	9.956	91	1586	0.049	ppbv		93
61) Styrene	9.863	104	1057	0.075	ppbv		93
67) sec-Butylbenzene	11.769	105	11044	0.153	ppbv	#	1
70) n-Butylbenzene	12.274	91	3079	0.052	ppbv		96
73) 1,3,5-Trimethylbenzene	11.199	105	1177	0.036	ppbv		98
74) 1,2,4-Trimethylbenzene	11.529	105	3151	0.087	ppbv	#	64
75) 1,3-Dichlorobenzene	11.604	146	1118	0.053	ppbv		94
76) 1,4-Dichlorobenzene	11.665	146	1248	0.059	ppbv		83
77) 1,2-Dichlorobenzene	11.665	146	1248	0.062	ppbv		89
78) Hexachloro-1,3-Butadiene	13.882	225	1697	0.100	ppbv		97
79) Naphthalene	13.510	128	4377	0.136	ppbv	#	52
80) Naphthalene,2-methyl-	14.465	142	652	0.077	ppbv		86
81) 1,2,4-Trichlorobenzene	13.436	180	1868	0.130	ppbv		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043261.D
Acq On : 20 Nov 2025 12:49
Operator : SY/MD
Sample : Q3655-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Time: Nov 21 00:37:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

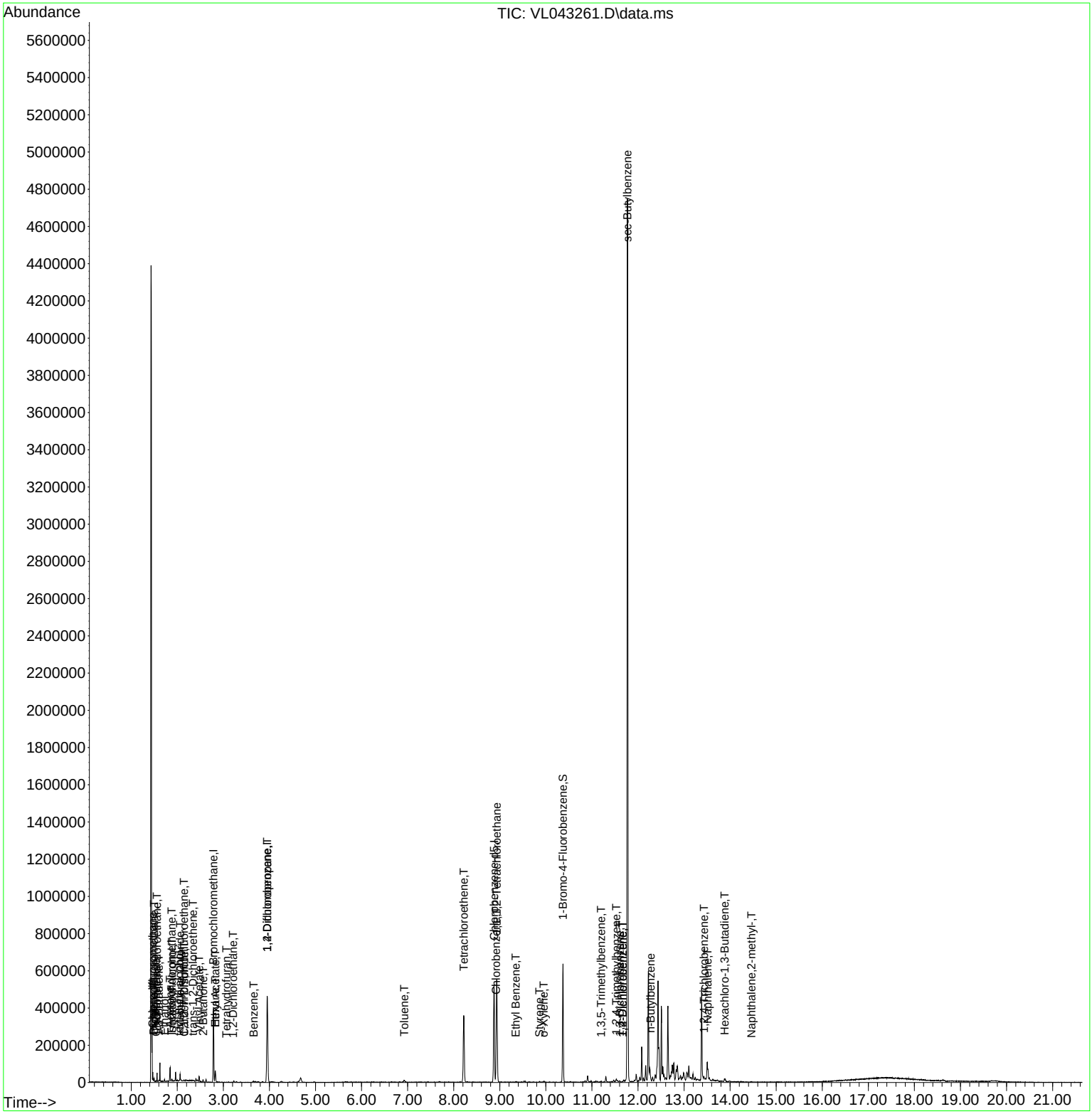
(#) = qualifier out of range (m) = manual integration (+) = signals summed

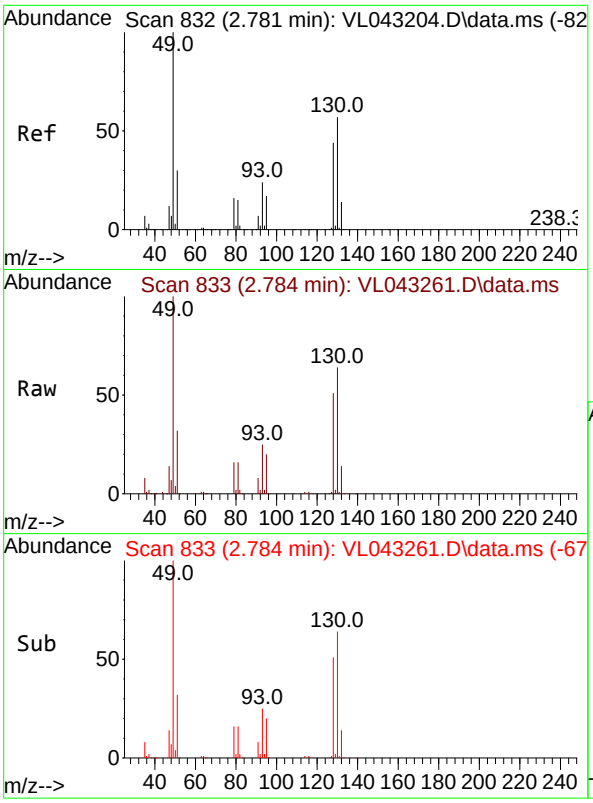
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043261.D
Acq On : 20 Nov 2025 12:49
Operator : SY/MD
Sample : Q3655-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Time: Nov 21 00:37:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



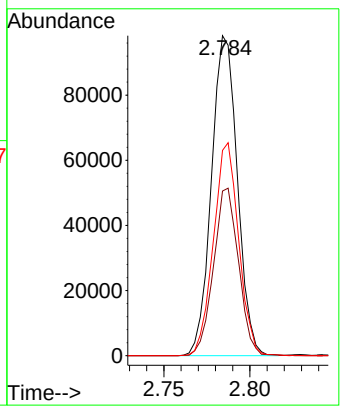


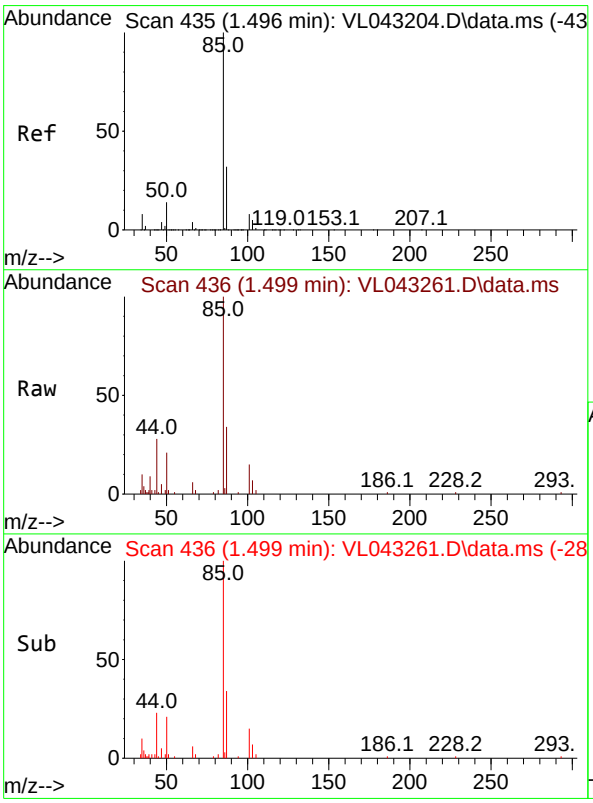
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 49 Resp: 103035

Ion	Ratio	Lower	Upper
49	100		
128	50.6	23.0	69.0
130	64.8	29.9	89.7

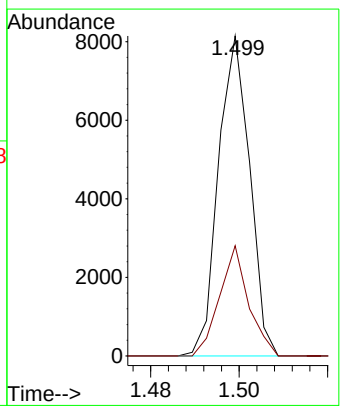


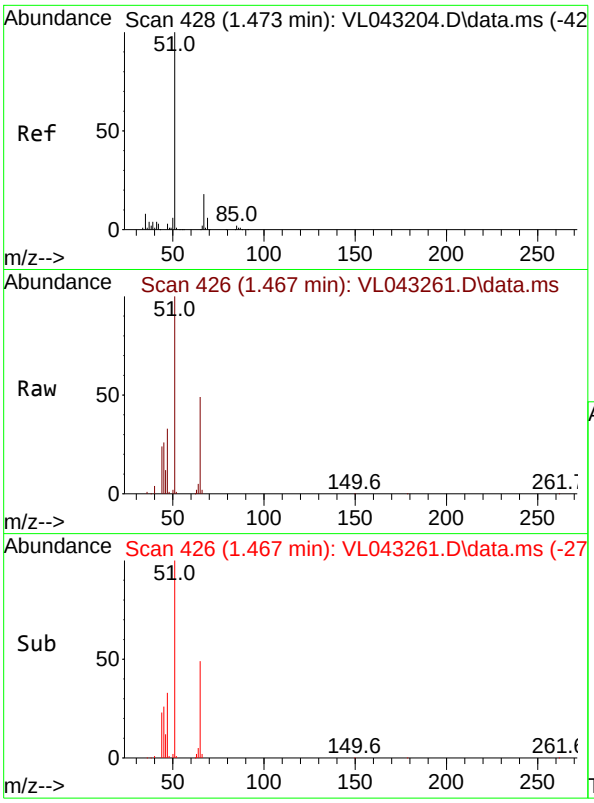


#2
Dichlorodifluoromethane
Concen: 0.275 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 85 Resp: 3995

Ion	Ratio	Lower	Upper
85	100		
87	34.5	25.4	38.2



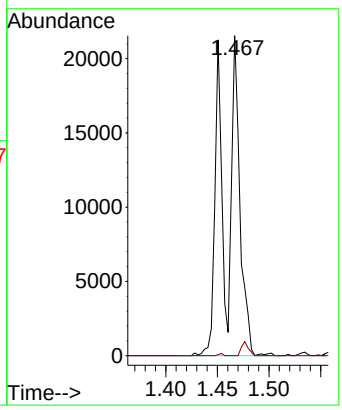


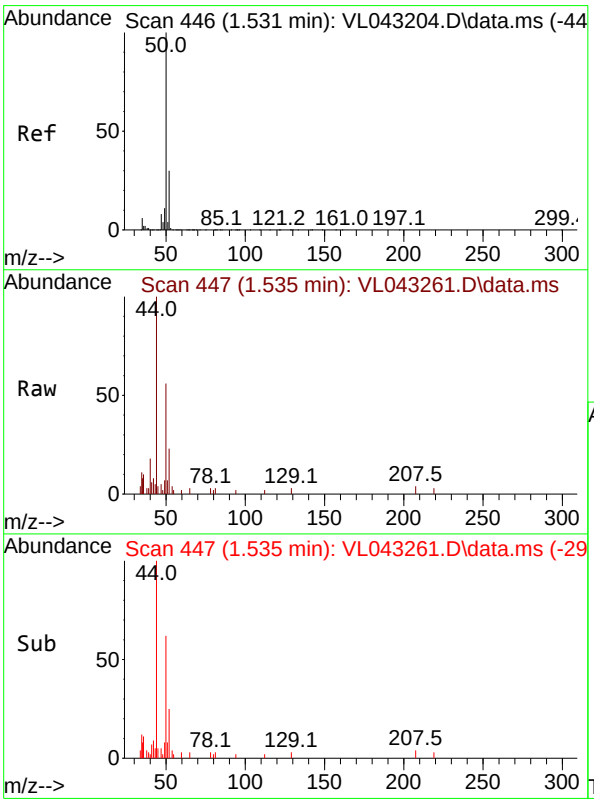
#3
Chlorodifluoromethane
Concen: 1.550 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 51 Resp: 22151

Ion	Ratio	Lower	Upper
51	100		
67	2.2	14.9	22.3#

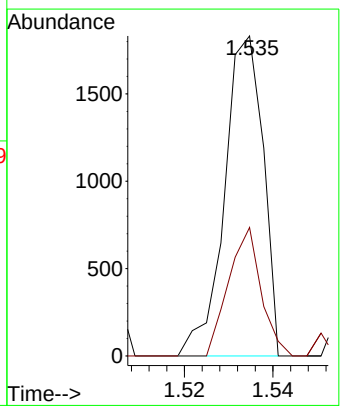


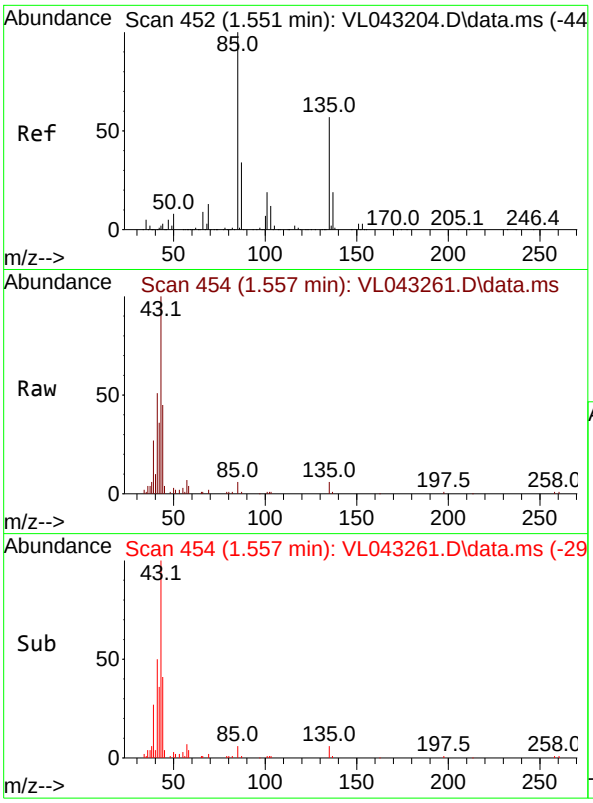


#4
Chloromethane
Concen: 0.205 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 50 Resp: 1113

Ion	Ratio	Lower	Upper
50	100		
52	35.6	24.1	36.1



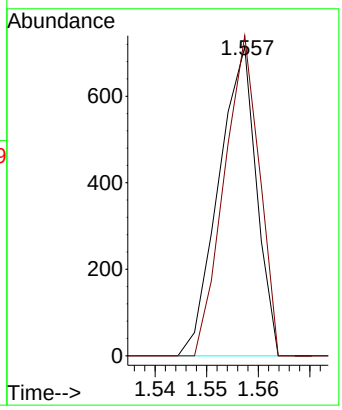


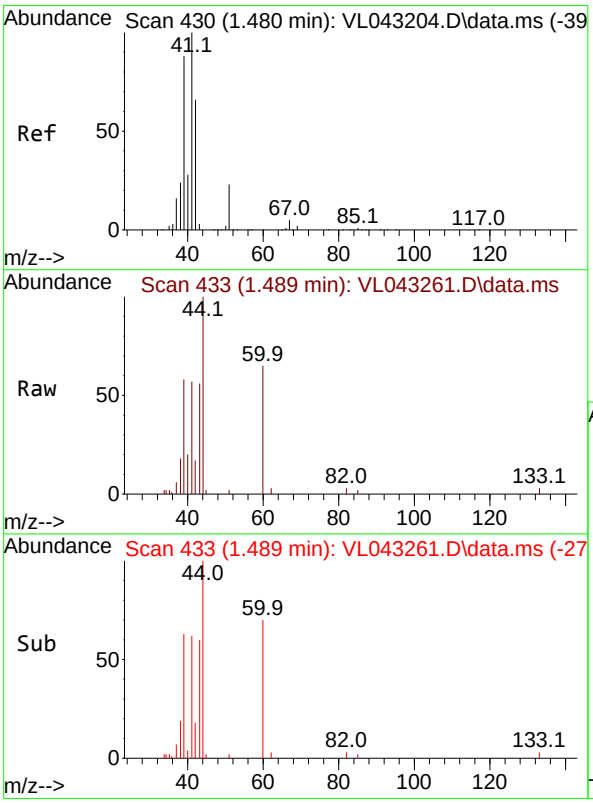
#8
Dichlorotetrafluoroethane
Concen: 0.030 ppbv
RT: 1.557 min Scan# 4
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 85 Resp: 365

Ion	Ratio	Lower	Upper
85	100		
135	95.6	52.6	79.0#

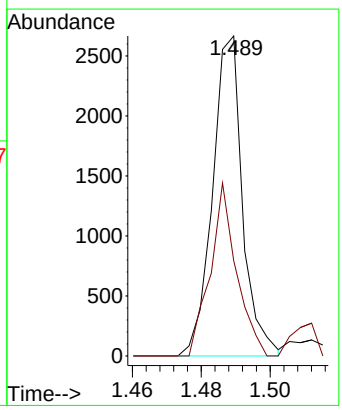


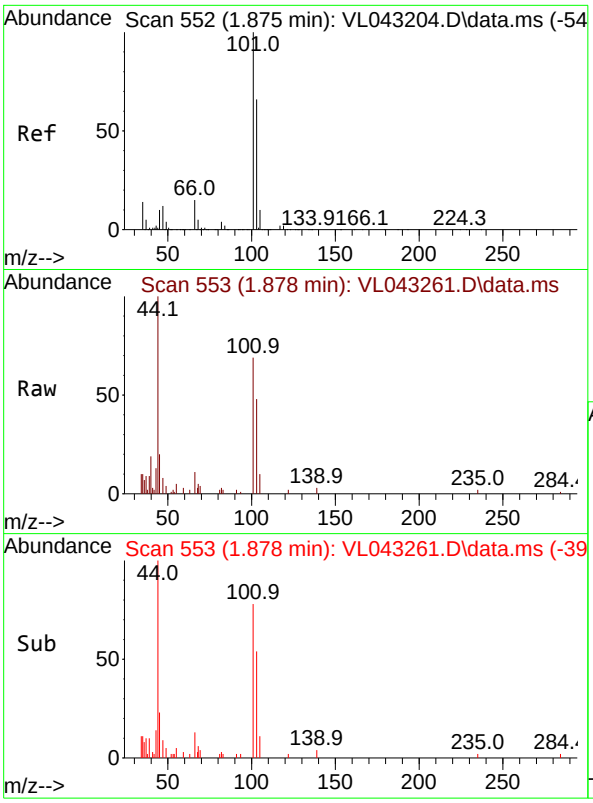


#9
Propene
Concen: 0.265 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 41 Resp: 1610

Ion	Ratio	Lower	Upper
41	100		
42	55.3	3.7	5.5#



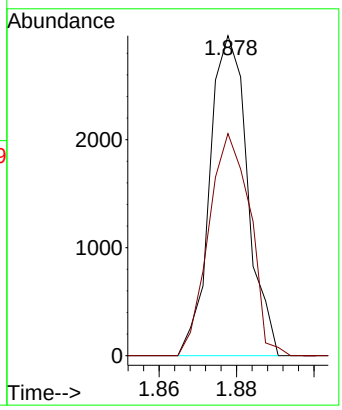


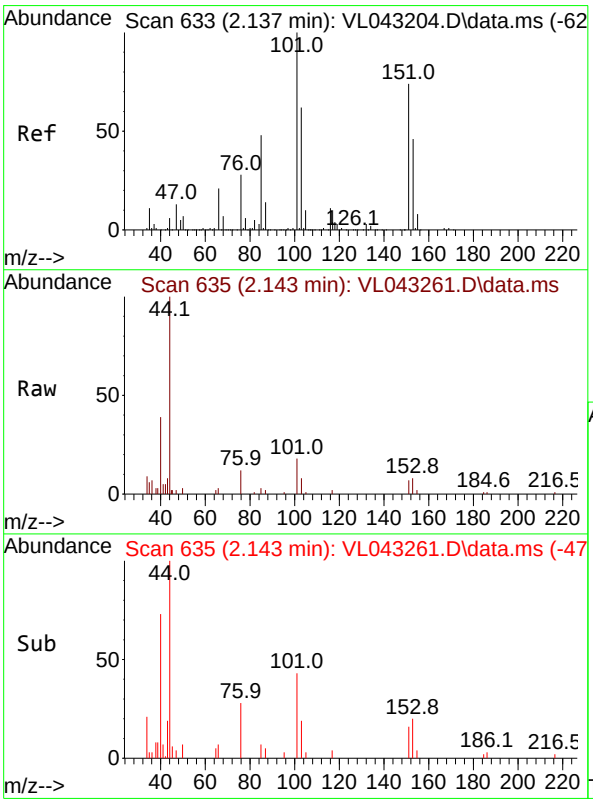
#11
Trichlorofluoromethane
Concen: 0.143 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:101 Resp: 2007

Ion	Ratio	Lower	Upper
101	100		
103	69.4	52.6	79.0

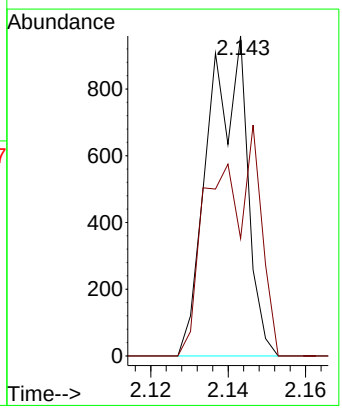


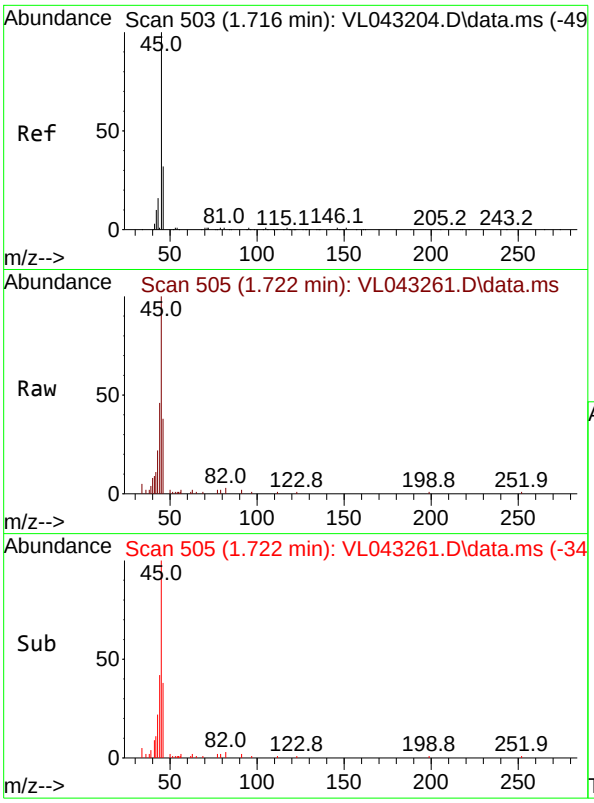


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.060 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:101 Resp: 665

Ion	Ratio	Lower	Upper
101	100		
151	86.8	59.2	88.8



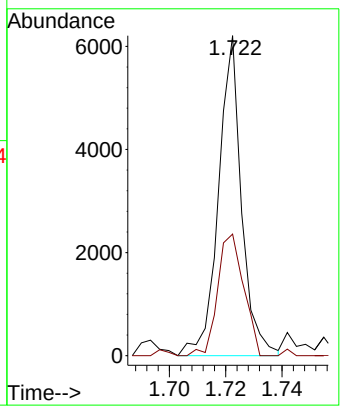


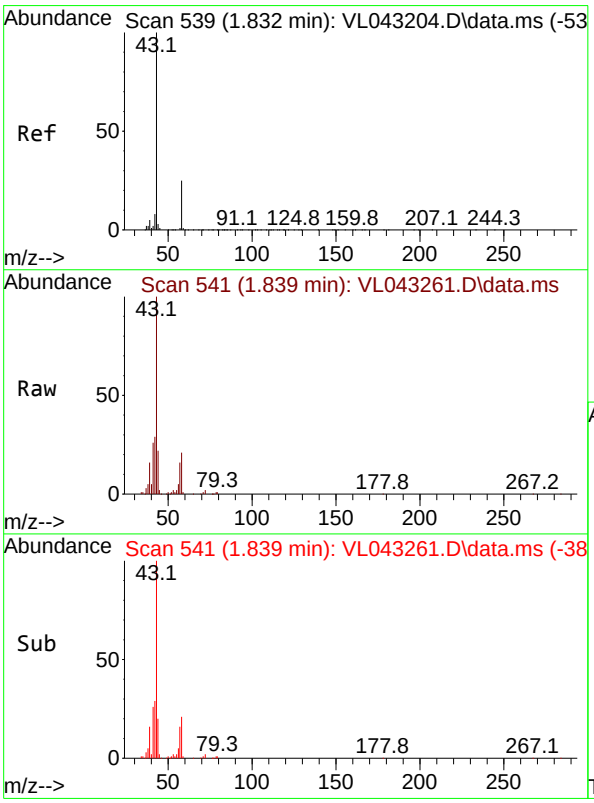
#13
Ethanol
Concen: 1.655 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 45 Resp: 3531

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#

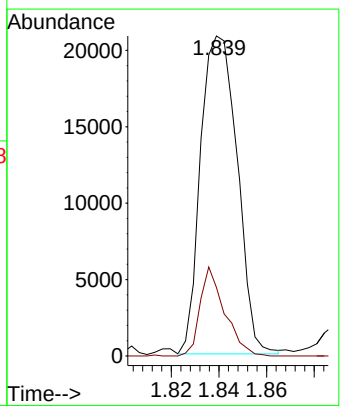


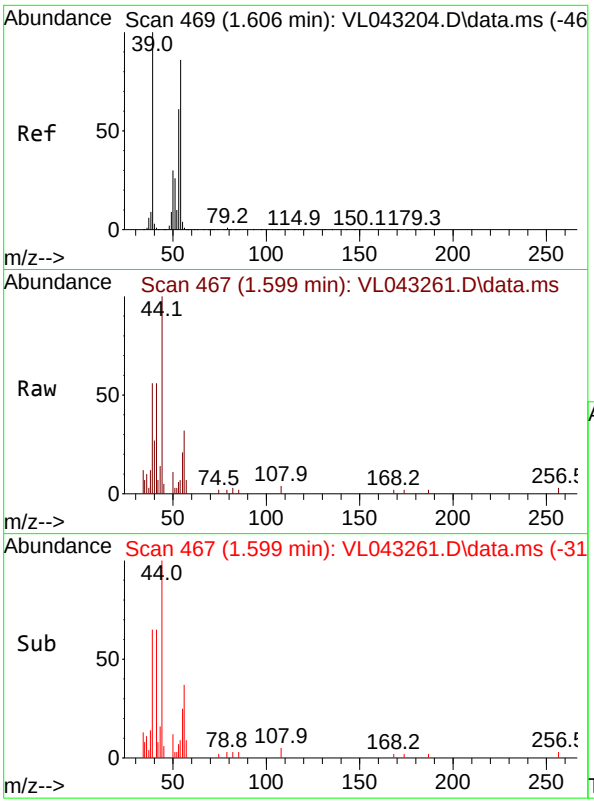


#15
Acetone
Concen: 1.557 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 43 Resp: 22294

Ion	Ratio	Lower	Upper
43	100		
58	18.9	20.7	31.1#



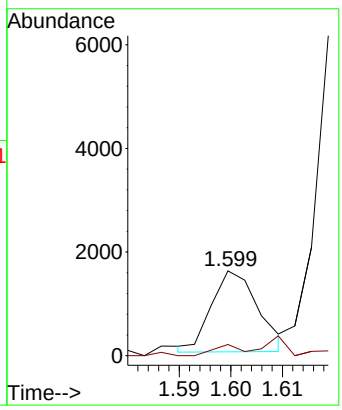


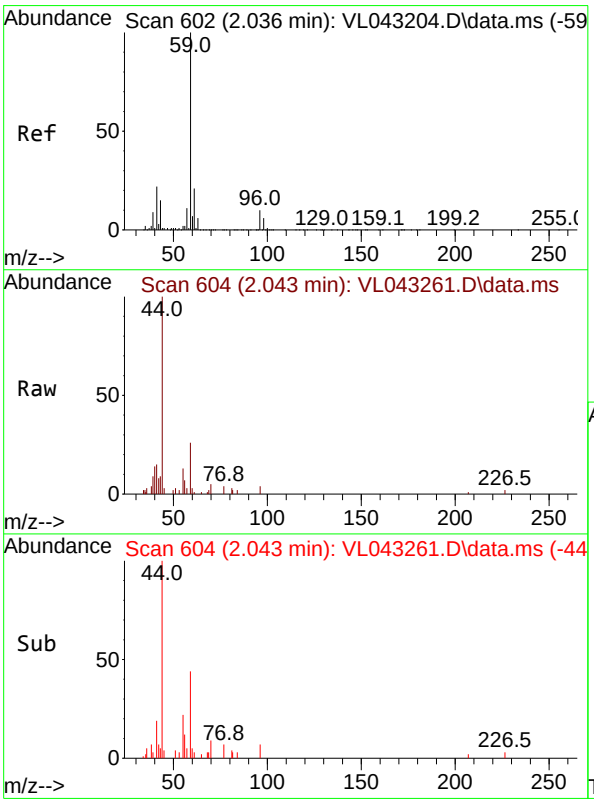
#16
1,3-Butadiene
Concen: 0.153 ppbv
RT: 1.599 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 39 Resp: 976

Ion	Ratio	Lower	Upper
39	100		
54	28.4	59.4	89.2#

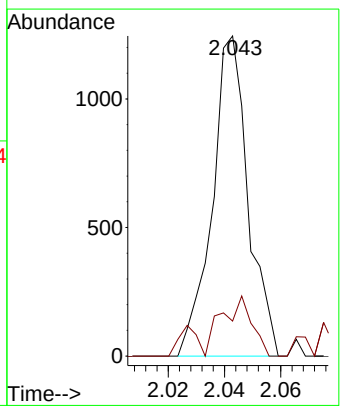


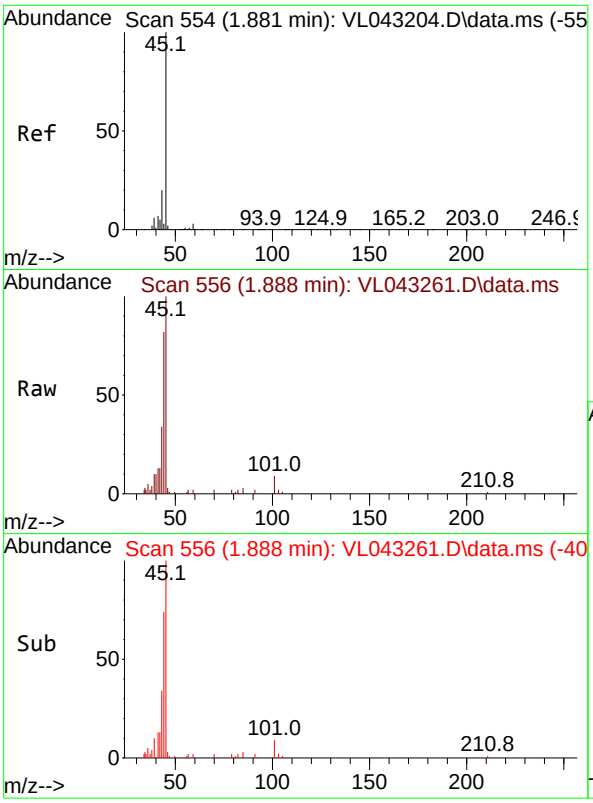


#17
tert-Butyl alcohol
Concen: 0.059 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 59 Resp: 1100

Ion	Ratio	Lower	Upper
59	100		
57	23.3	9.0	13.4#



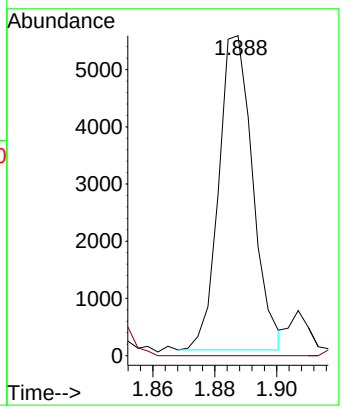


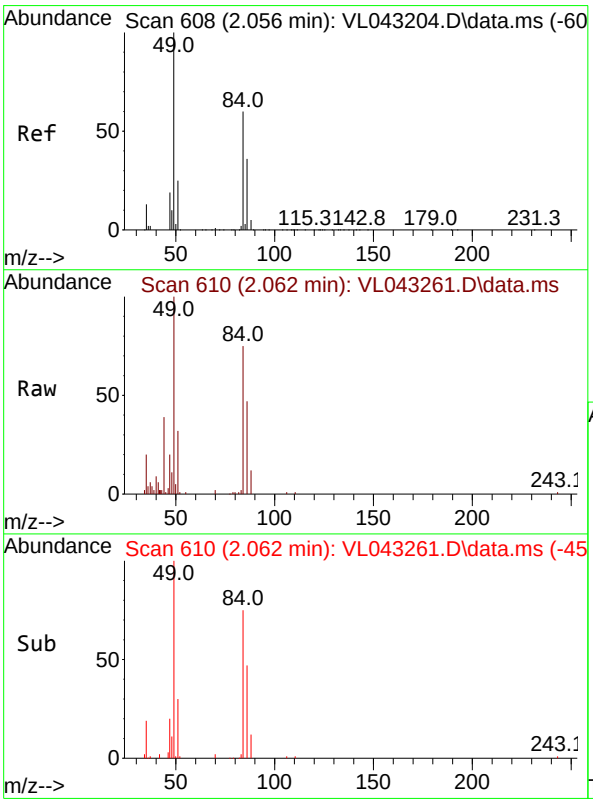
#19
Isopropyl Alcohol
Concen: 0.518 ppbv
RT: 1.888 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 45 Resp: 4190

Ion	Ratio	Lower	Upper
45	100		
58	100.3	31.3	46.9#

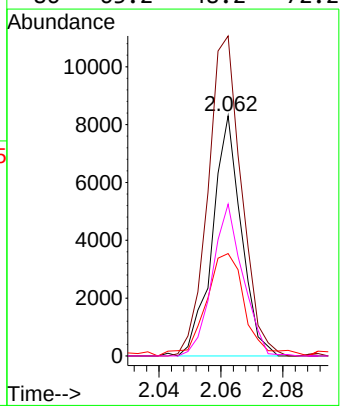


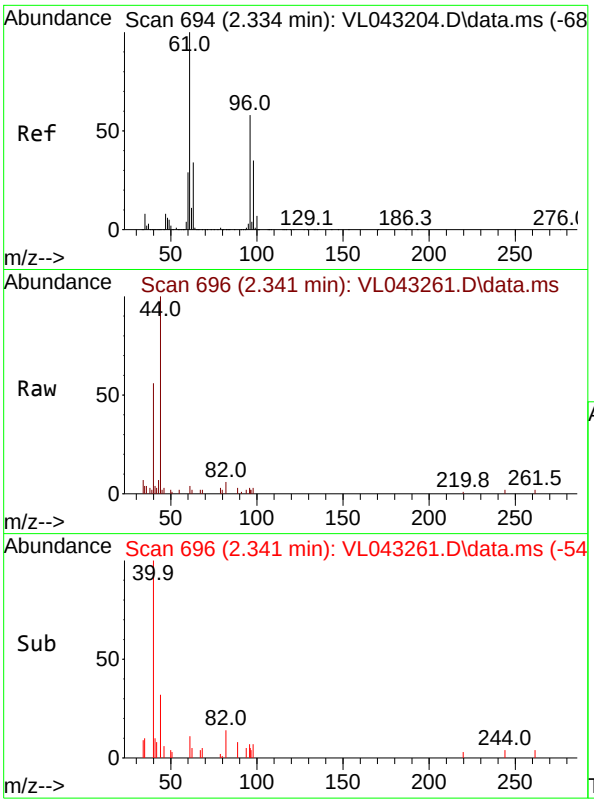


#20
Methylene Chloride
Concen: 0.532 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 84 Resp: 5379

Ion	Ratio	Lower	Upper
84	100		
49	132.3	132.9	199.3#
51	40.6	34.8	52.2
86	63.2	48.2	72.2



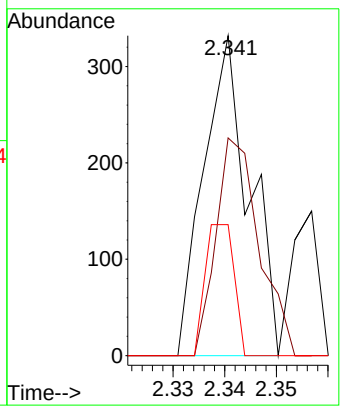


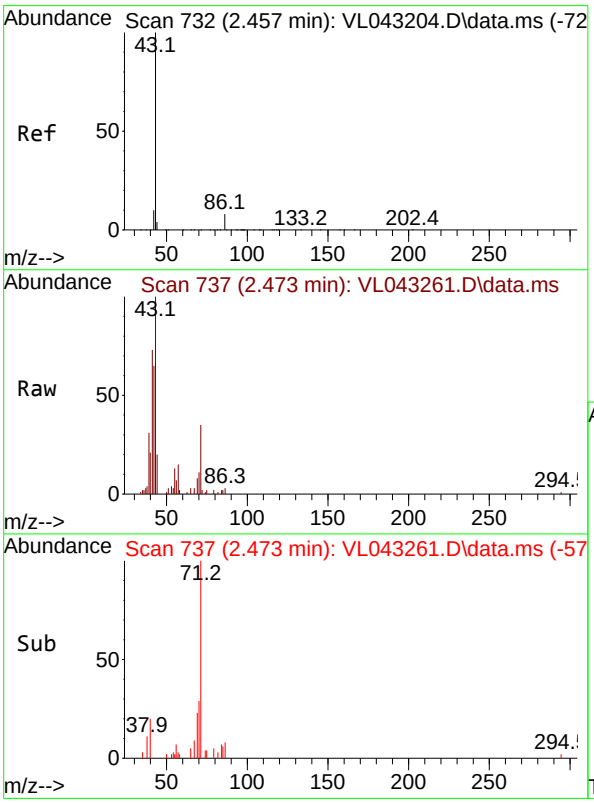
#22
trans-1,2-Dichloroethene
Concen: 0.035 ppbv
RT: 2.341 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 96 Resp: 203

Ion	Ratio	Lower	Upper
96	100		
61	68.1	139.0	208.6#
98	41.0	49.4	74.2#

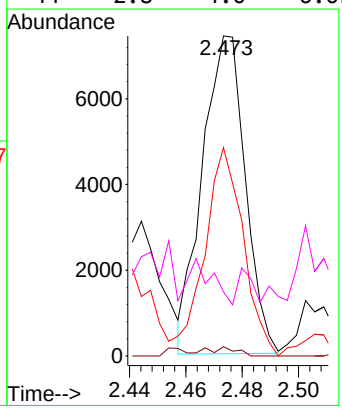


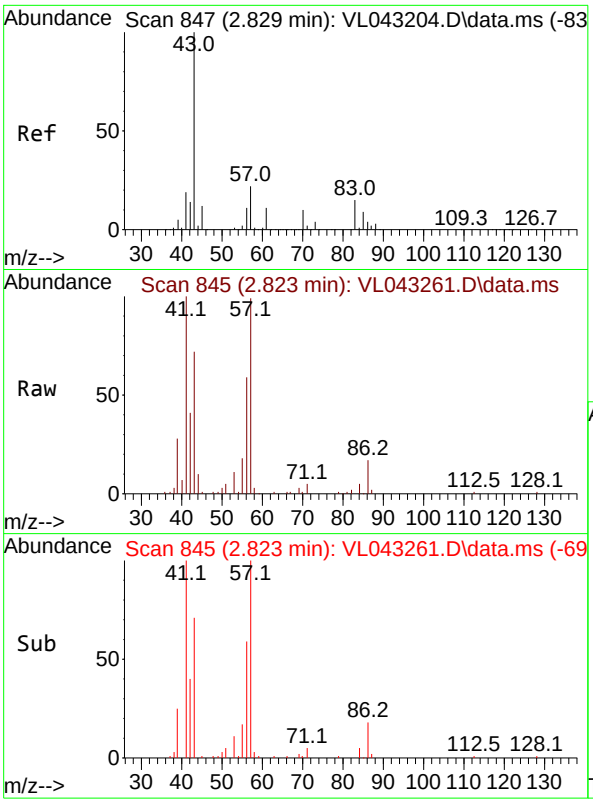


#23
Vinyl Acetate
Concen: 0.454 ppbv
RT: 2.473 min Scan# 737
Delta R.T. 0.016 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 43 Resp: 7844

Ion	Ratio	Lower	Upper
43	100		
86	3.0	6.2	9.2#
42	66.1	8.0	12.0#
44	2.8	4.0	6.0#



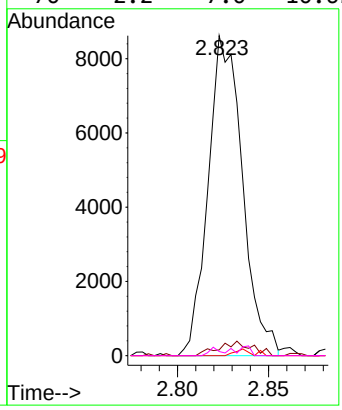


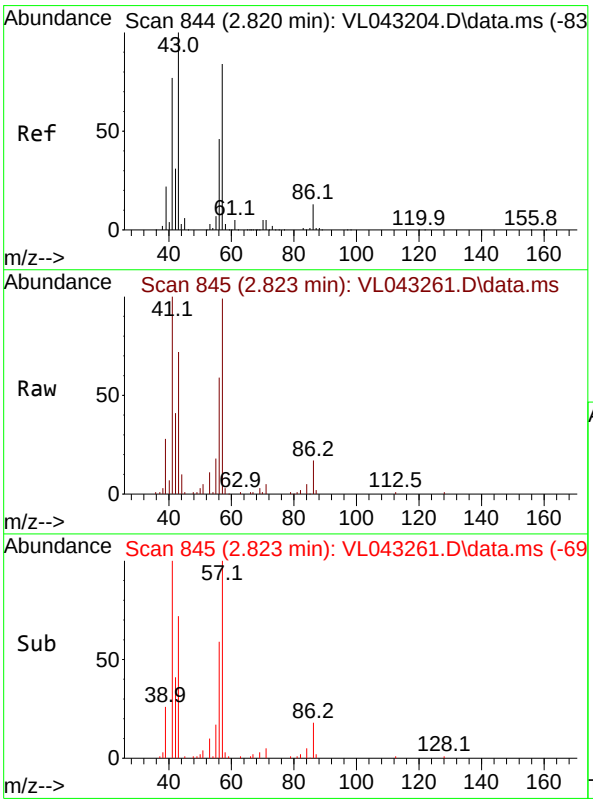
#25
Ethyl Acetate
Concen: 0.366 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 43 Resp: 11301

Ion	Ratio	Lower	Upper
43	100		
45	4.6	8.1	12.1#
61	1.0	7.0	10.4#
70	2.2	7.0	10.6#

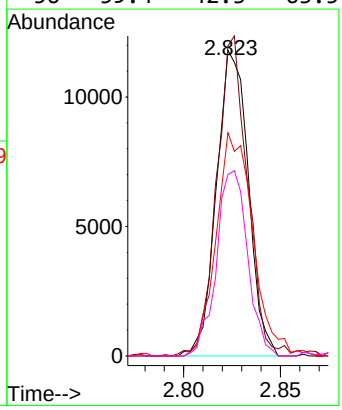


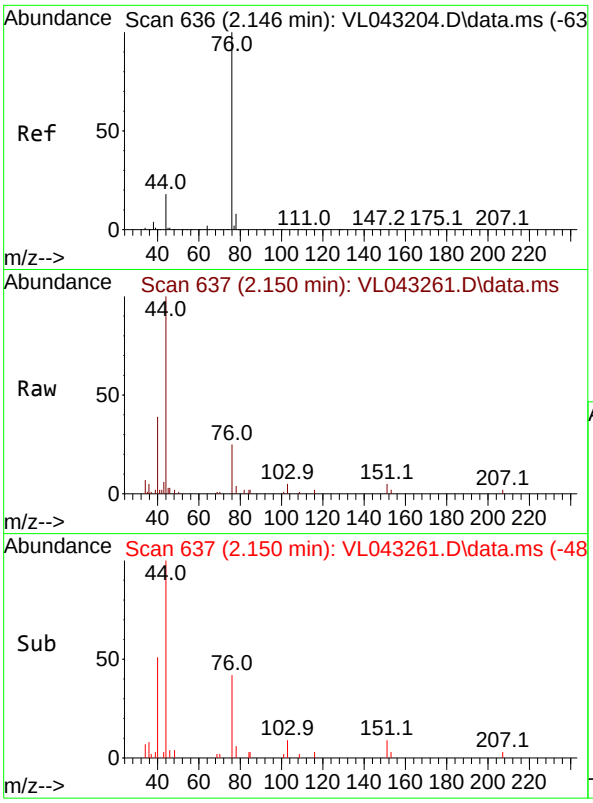


#26
Hexane
Concen: 0.995 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 57 Resp: 13470

Ion	Ratio	Lower	Upper
57	100		
41	104.5	74.6	111.8
43	84.7	179.0	268.4#
56	59.4	42.3	63.5



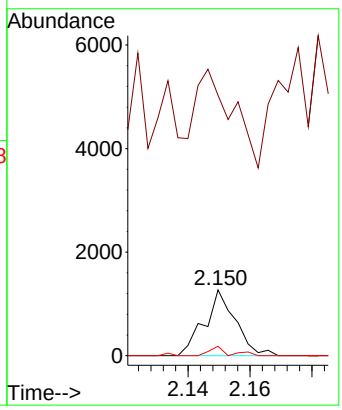


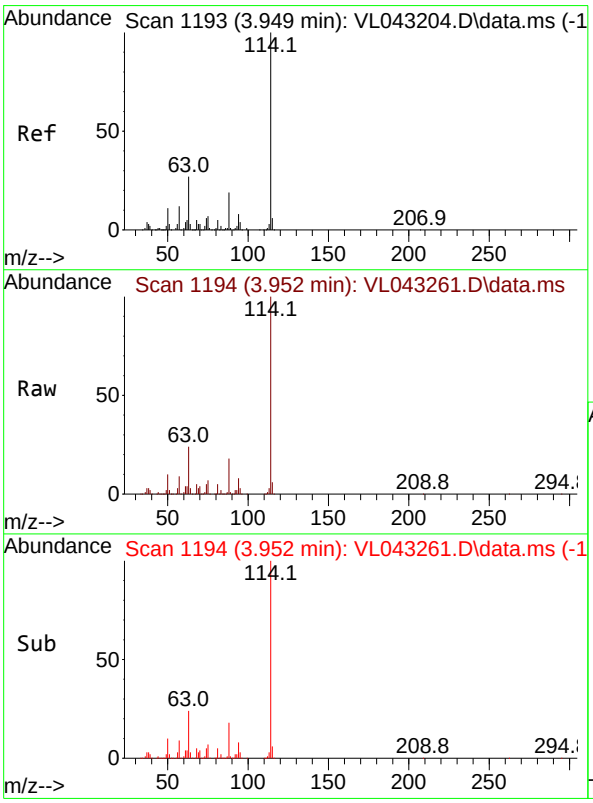
#27
Carbon Disulfide
Concen: 0.064 ppbv
RT: 2.150 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 76 Resp: 884

Ion	Ratio	Lower	Upper
76	100		
44	2009.4	16.1	24.1#
78	6.9	9.6	14.4#

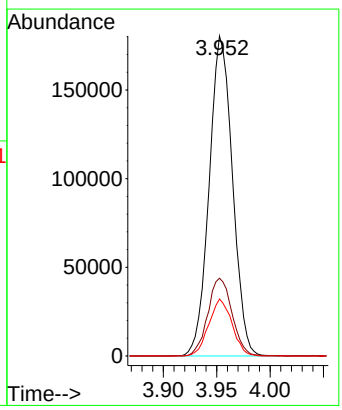


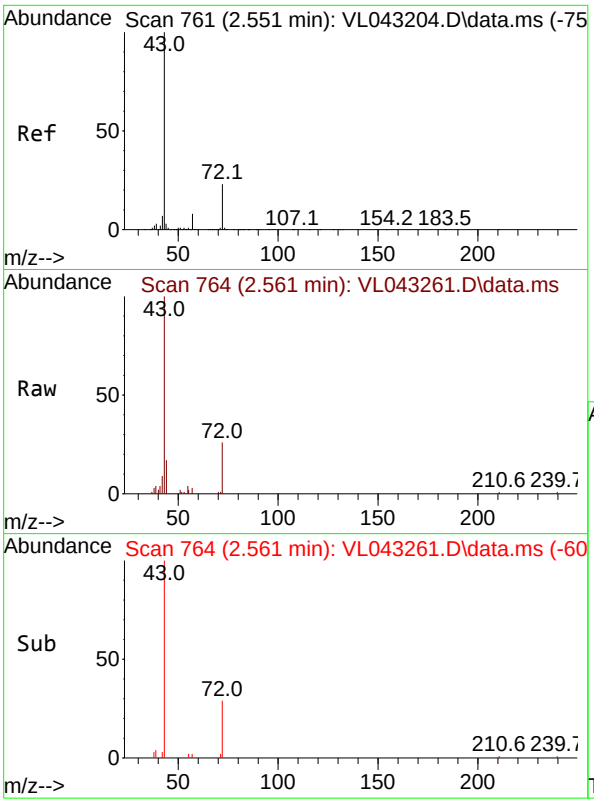


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:114 Resp: 274703

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.0	31.6
88	17.6	14.9	22.3



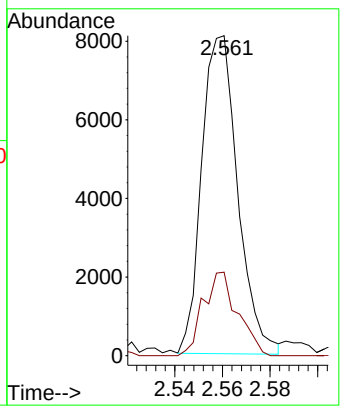


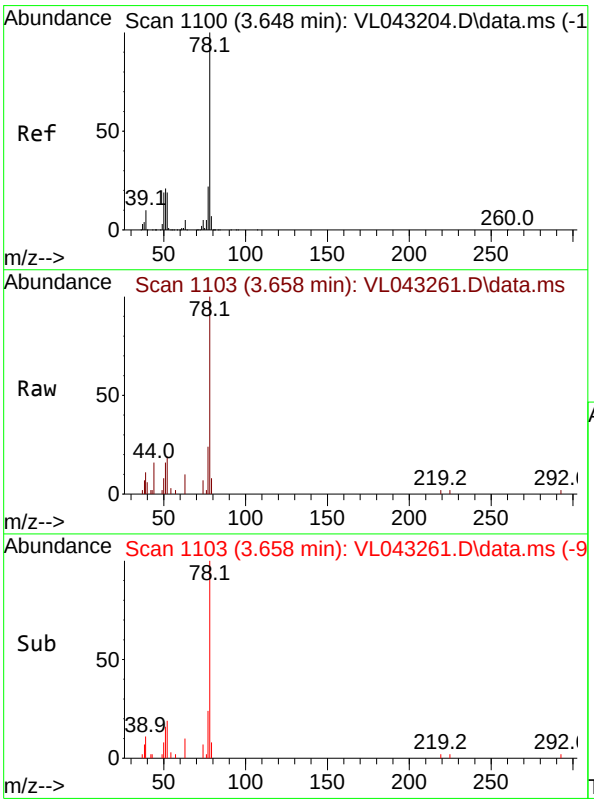
#34
2-Butanone
Concen: 0.439 ppbv
RT: 2.561 min Scan# 7
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 43 Resp: 8515

Ion	Ratio	Lower	Upper
43	100		
72	25.0	18.1	27.1

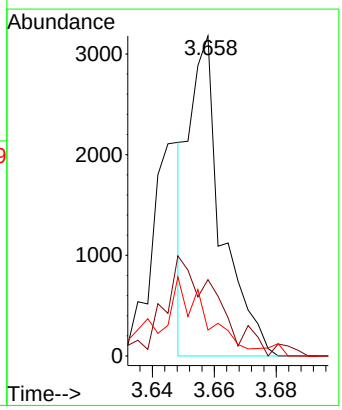


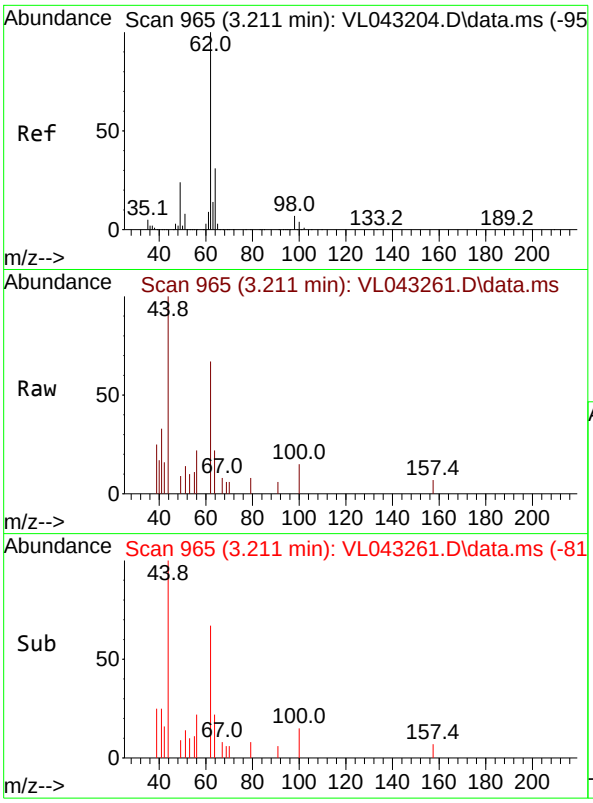


#36
Benzene
Concen: 0.089 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 78 Resp: 2331

Ion	Ratio	Lower	Upper
78	100		
77	20.1	17.5	26.3
50	4.3	15.5	23.3#



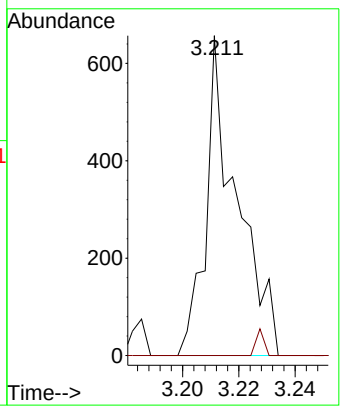


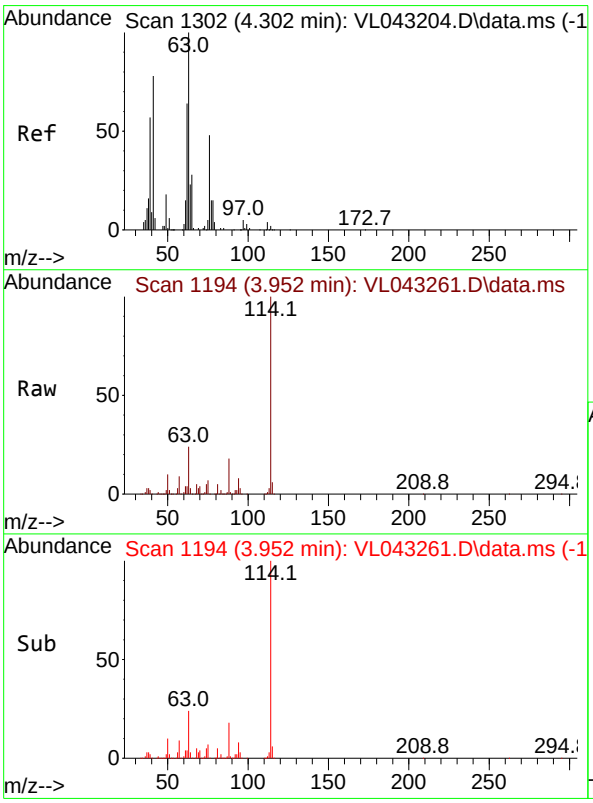
#37
1,2-Dichloroethane
Concen: 0.032 ppbv
RT: 3.211 min Scan# 9
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 62 Resp: 499

Ion	Ratio	Lower	Upper
62	100		
98	2.2	5.5	8.3#

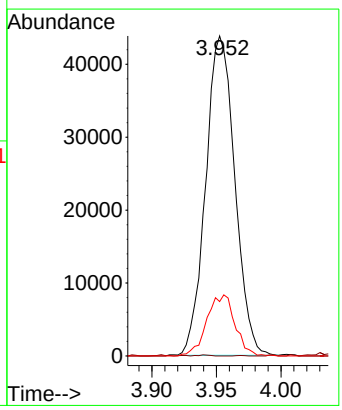


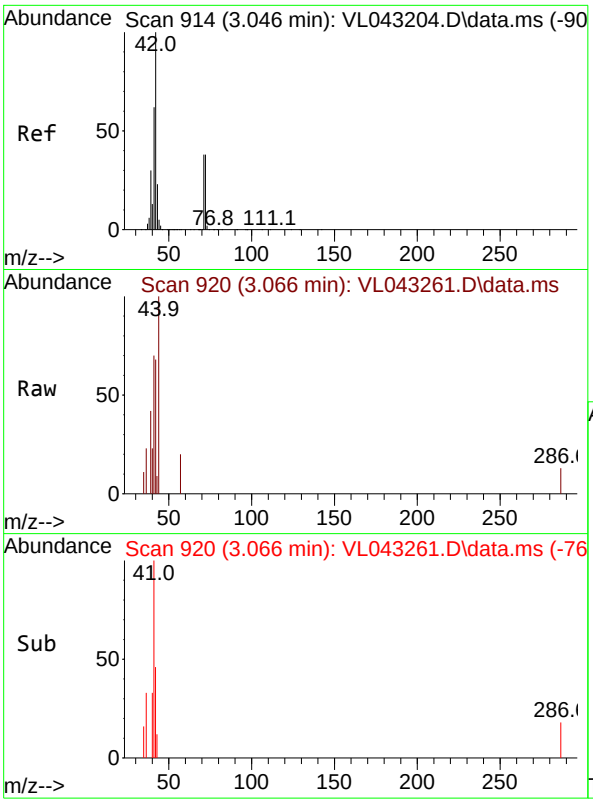


#39
1,2-Dichloropropane
Concen: 7.135 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.349 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 63 Resp: 68697

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	93.8#
62	17.0	51.0	76.6#



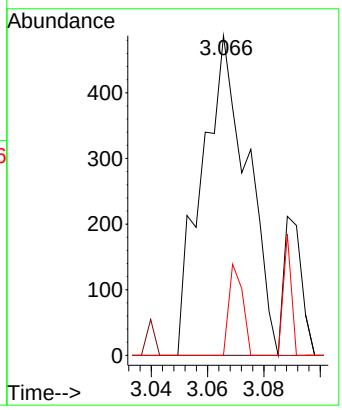


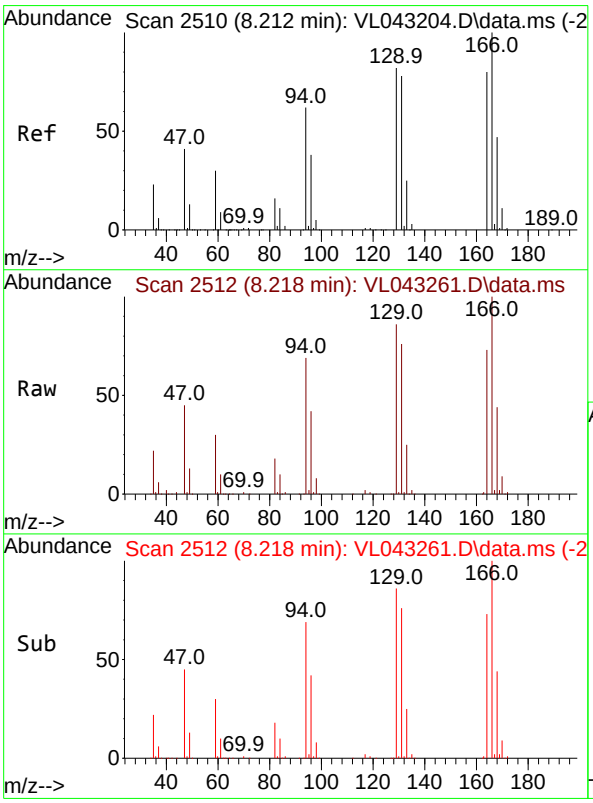
#41
Tetrahydrofuran
Concen: 0.051 ppbv
RT: 3.066 min Scan# 9
Delta R.T. 0.019 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 42 Resp: 546

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.6	46.0#
71	0.0	30.5	45.7#

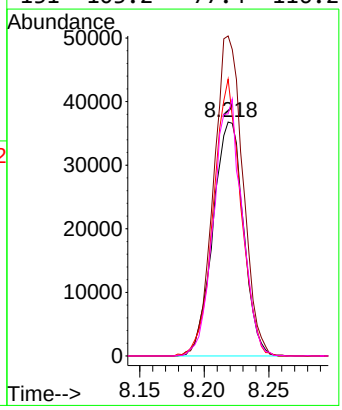


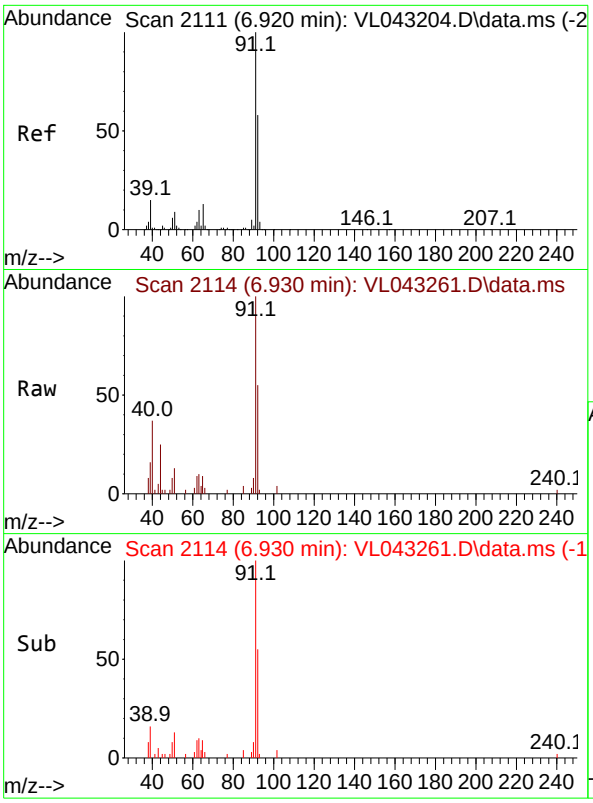


#52
Tetrachloroethene
Concen: 6.160 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:164 Resp: 60277

Ion	Ratio	Lower	Upper
164	100		
166	136.4	99.4	149.2
129	118.3	81.8	122.8
131	103.2	77.4	116.2



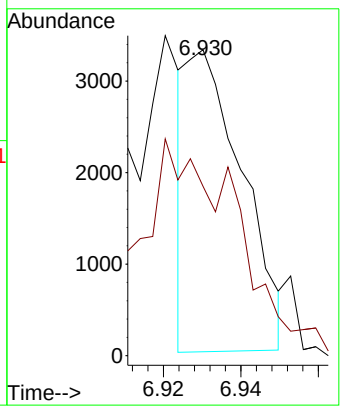


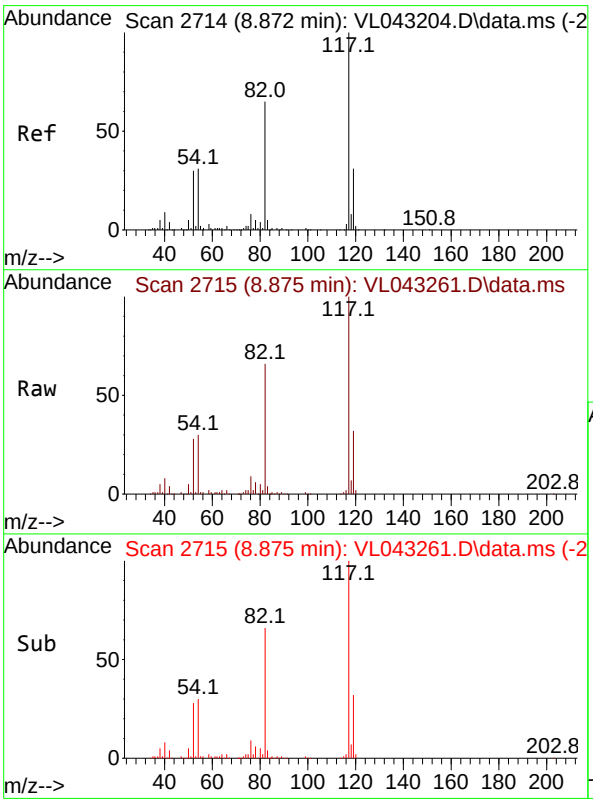
#53
Toluene
Concen: 0.106 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 91 Resp: 3307

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

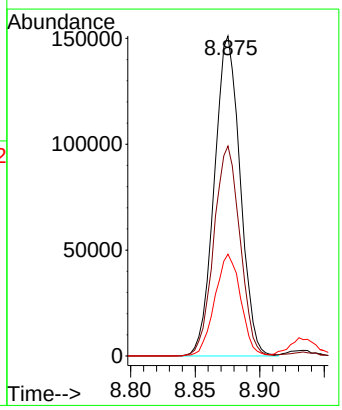


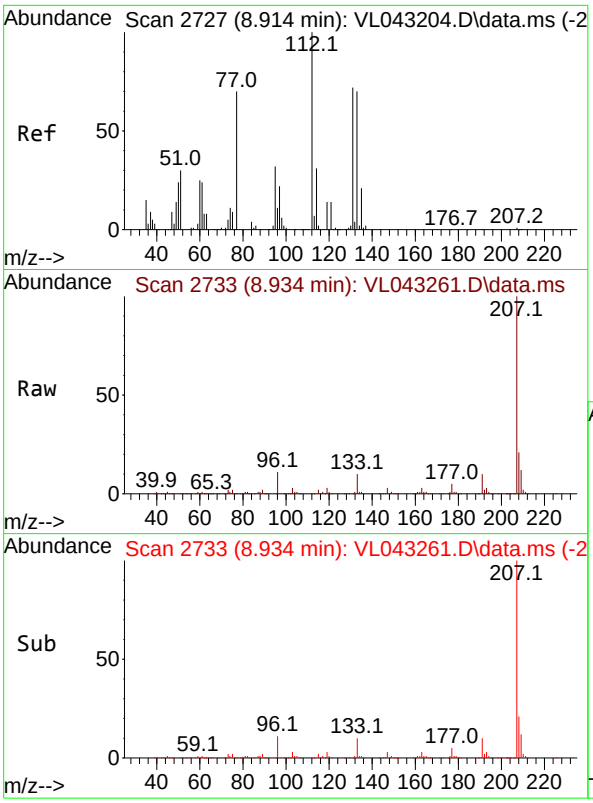


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:117 Resp: 210056

Ion	Ratio	Lower	Upper
117	100		
82	66.6	56.1	84.1
119	31.9	25.0	37.6



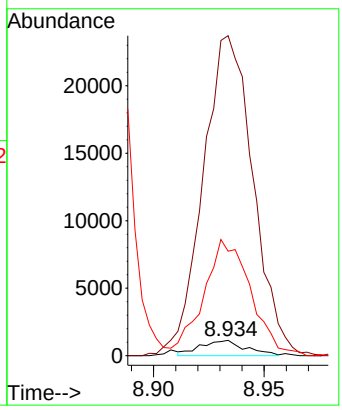


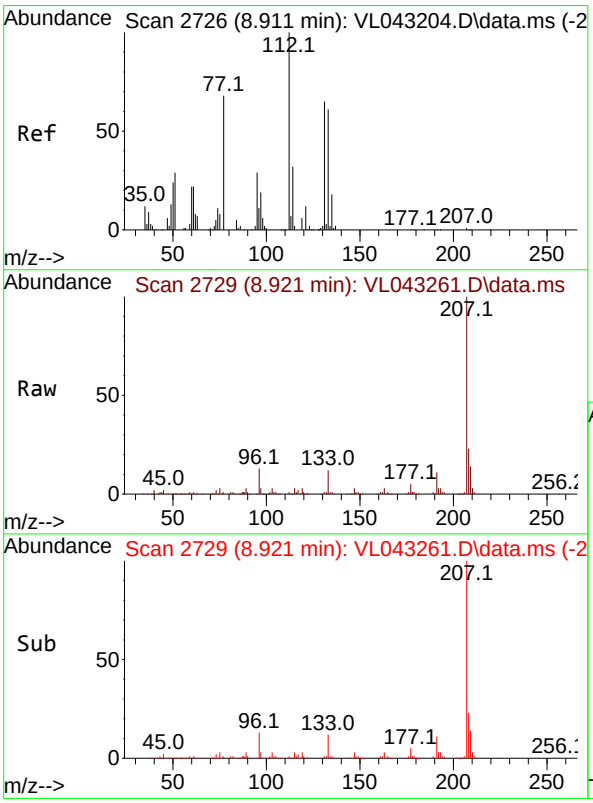
#56
1,1,1,2-Tetrachloroethane
Concen: 0.104 ppbv
RT: 8.934 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:131 Resp: 1606

Ion	Ratio	Lower	Upper
131	100		
133	2331.7	77.4	116.2#
119	782.6	49.1	73.7#

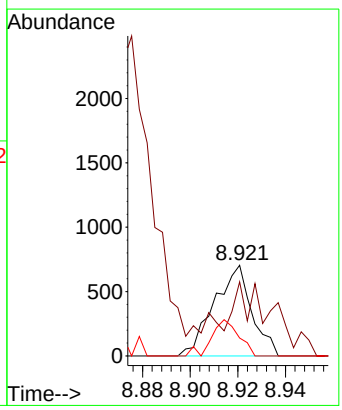


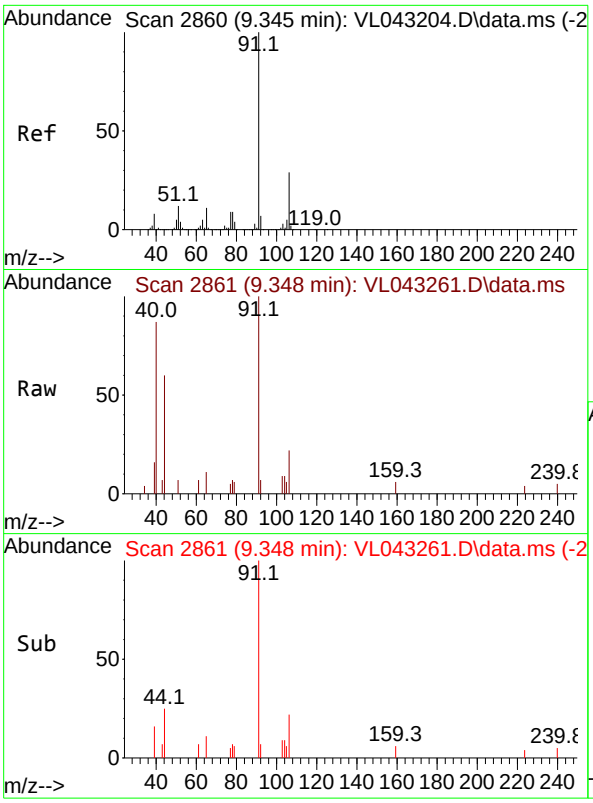


#57
Chlorobenzene
Concen: 0.036 ppbv
RT: 8.921 min Scan# 2729
Delta R.T. 0.010 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:112 Resp: 775

Ion	Ratio	Lower	Upper
112	100		
77	28.4	55.5	83.3#
114	19.7	29.1	35.5#



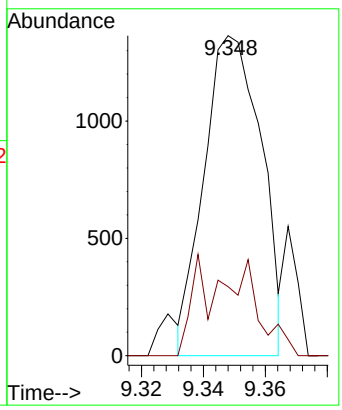


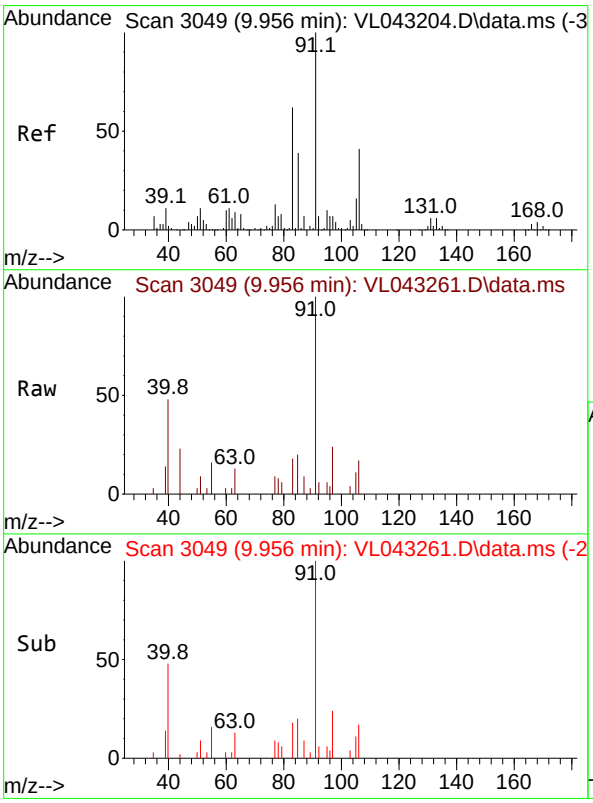
#58
Ethyl Benzene
Concen: 0.043 ppbv
RT: 9.348 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 91 Resp: 1746

Ion	Ratio	Lower	Upper
91	100		
106	23.8	22.8	34.2

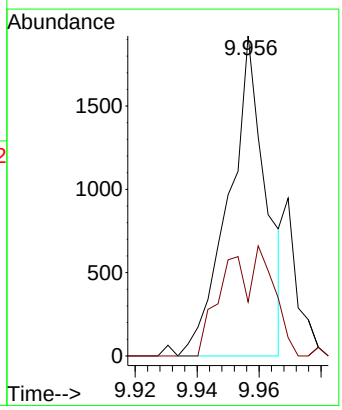


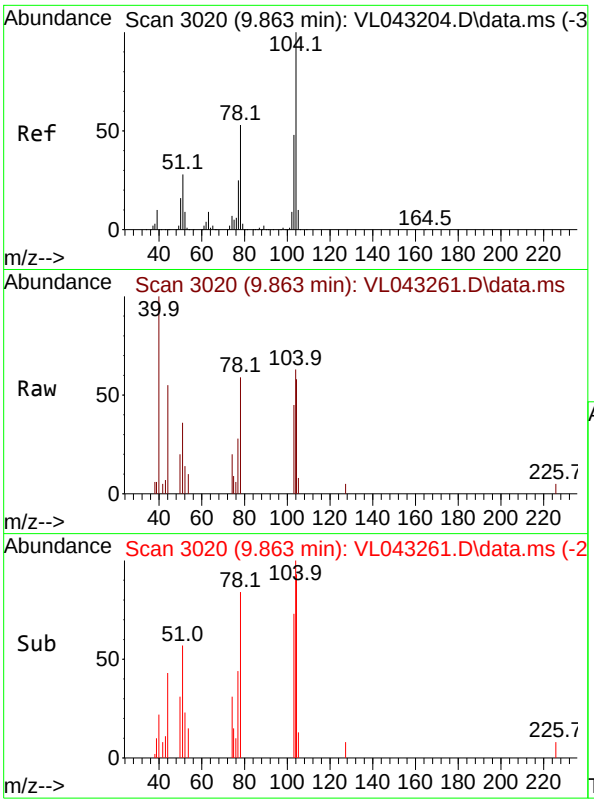


#60
o-Xylene
Concen: 0.049 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 91 Resp: 1586

Ion	Ratio	Lower	Upper
91	100		
106	46.2	20.9	62.8



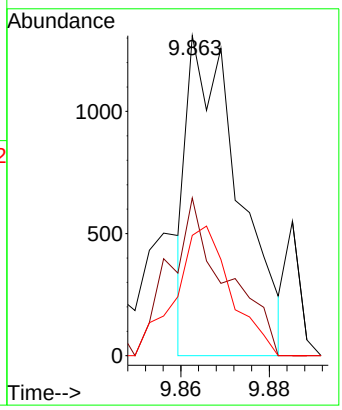


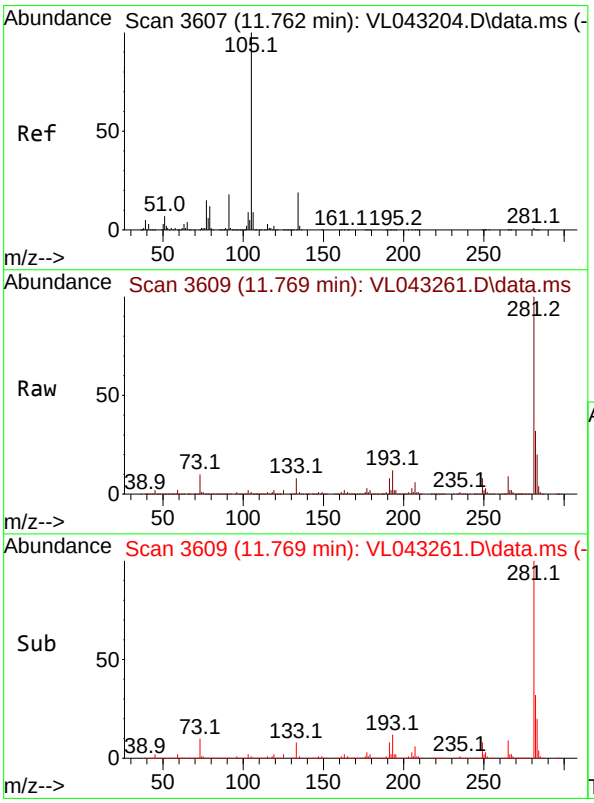
#61
Styrene
Concen: 0.075 ppbv
RT: 9.863 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:104 Resp: 1057

Ion	Ratio	Lower	Upper
104	100		
78	59.0	42.1	63.1
103	43.9	37.2	55.8

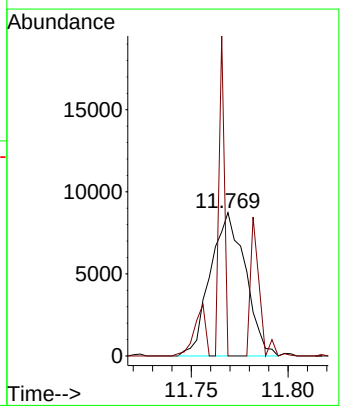


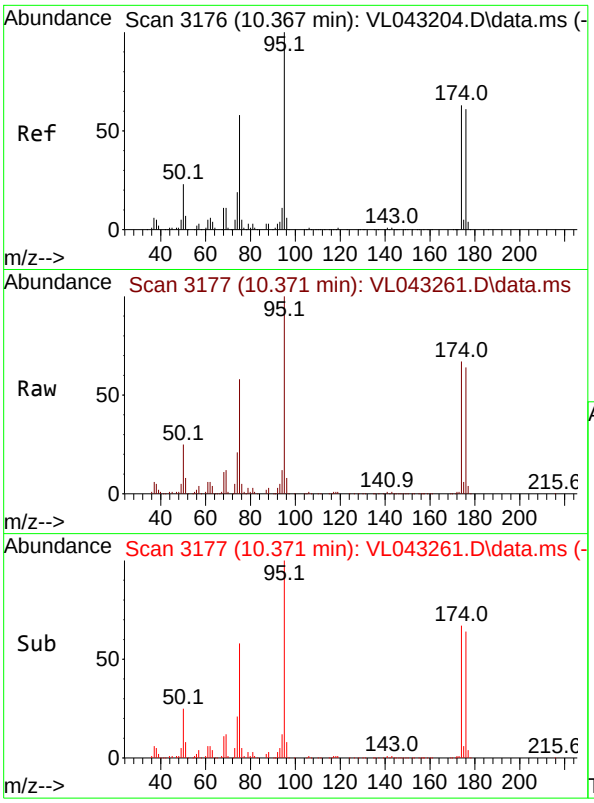


#67
sec-Butylbenzene
Concen: 0.153 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:105 Resp: 11044

Ion	Ratio	Lower	Upper
105	100		
134	70.2	15.0	22.6#



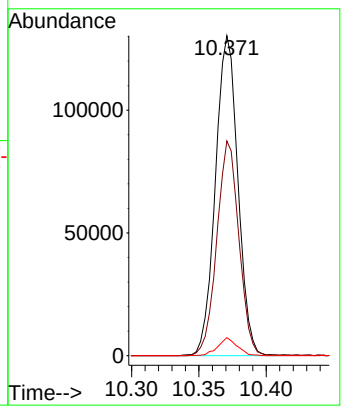


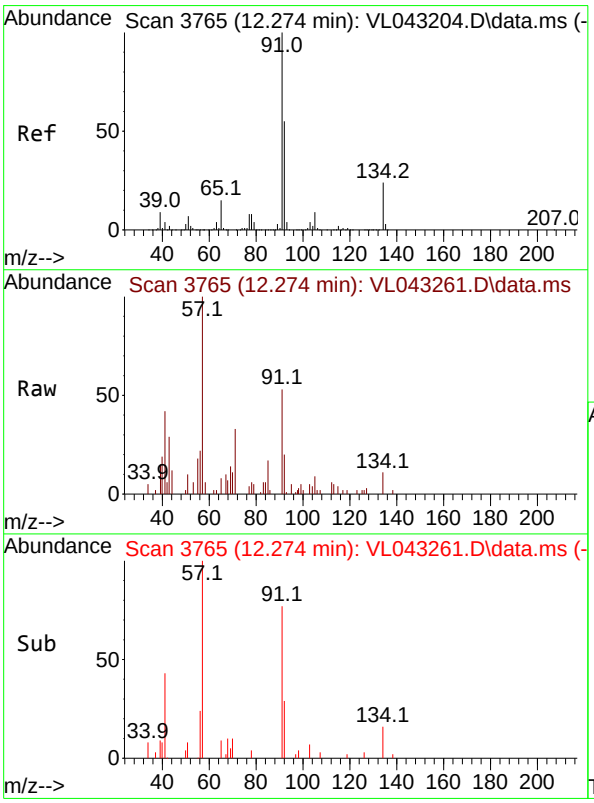
#68
1-Bromo-4-Fluorobenzene
Concen: 9.823 ppbv
RT: 10.371 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 95 Resp: 151243

Ion	Ratio	Lower	Upper
95	100		
174	66.2	50.2	75.2
175	4.9	4.1	6.1

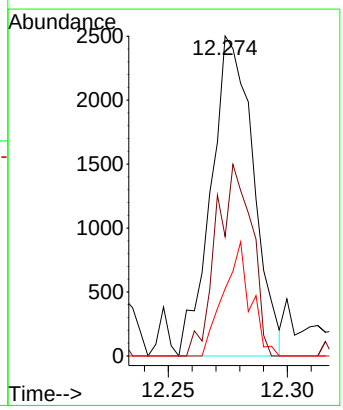


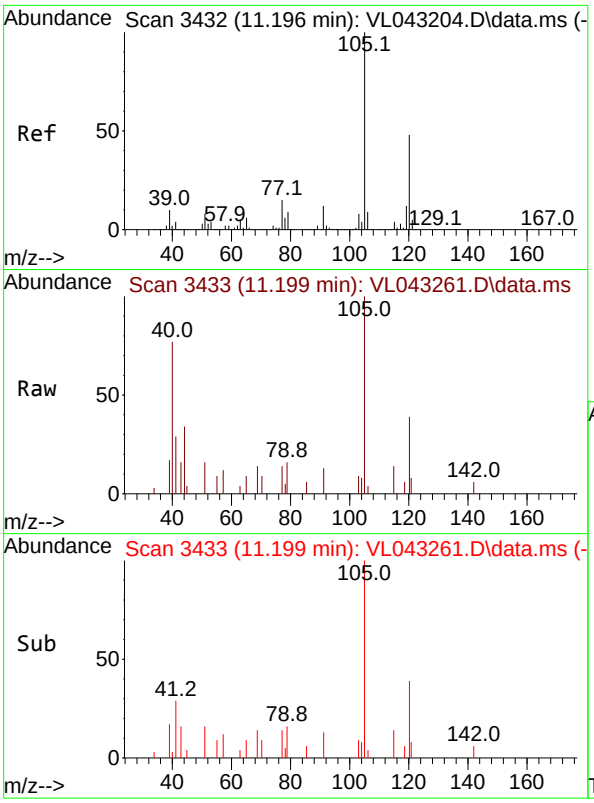


#70
n-Butylbenzene
Concen: 0.052 ppbv
RT: 12.274 min Scan# 3765
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion: 91 Resp: 3079

Ion	Ratio	Lower	Upper
91	100		
92	50.5	43.5	65.3
134	22.8	19.0	28.6



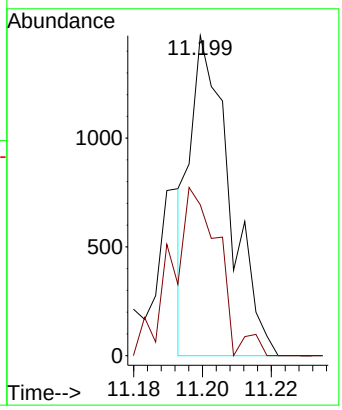


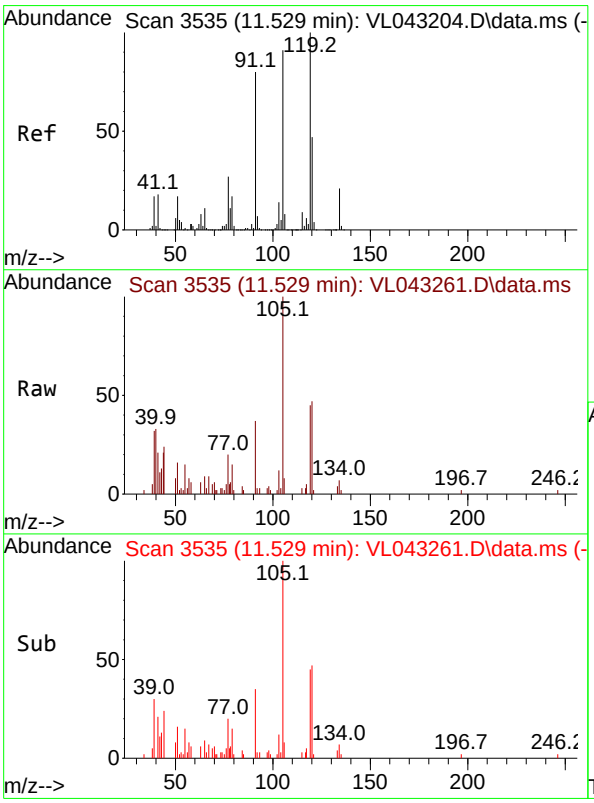
#73
1,3,5-Trimethylbenzene
Concen: 0.036 ppbv
RT: 11.199 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:105 Resp: 1177

Ion	Ratio	Lower	Upper
105	100		
120	47.2	38.6	57.8

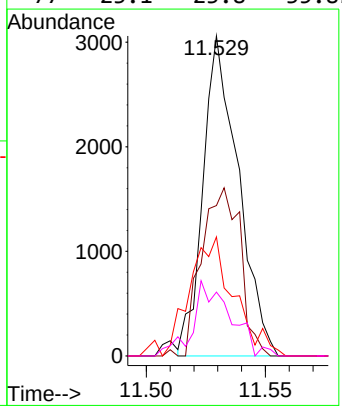


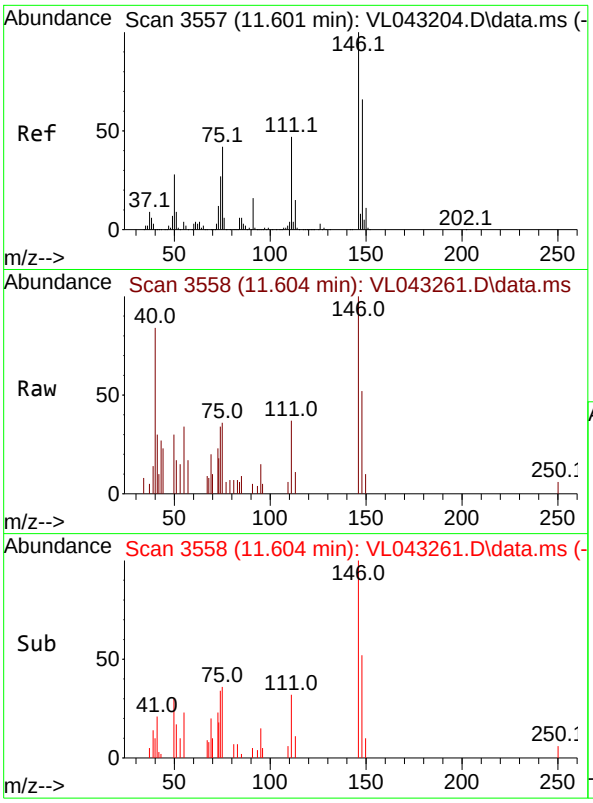


#74
1,2,4-Trimethylbenzene
Concen: 0.087 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:105 Resp: 3151

Ion	Ratio	Lower	Upper
105	100		
120	45.2	41.7	62.5
91	32.6	70.0	105.0#
77	23.1	23.8	35.8#



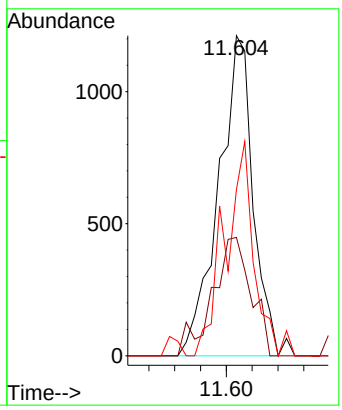


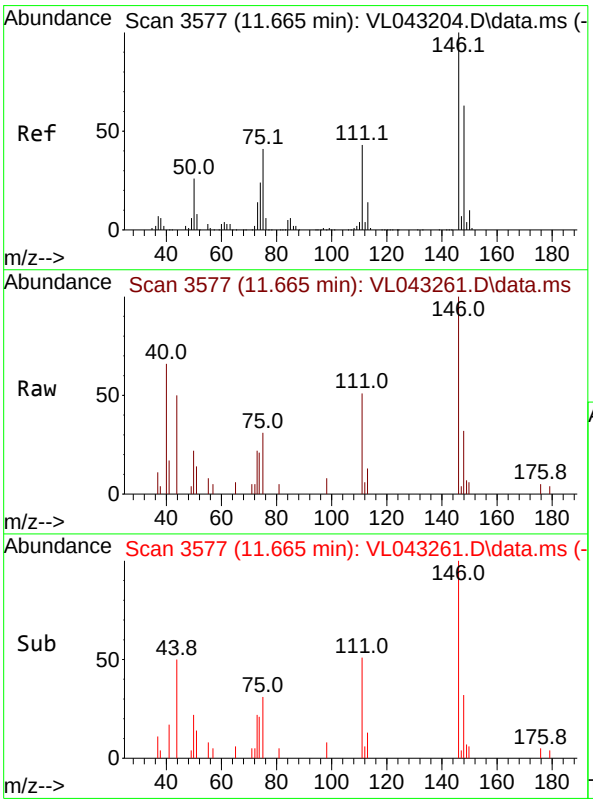
#75
1,3-Dichlorobenzene
Concen: 0.053 ppbv
RT: 11.604 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:146 Resp: 1118

Ion	Ratio	Lower	Upper
146	100		
111	41.6	23.4	70.3
148	59.6	31.6	95.0

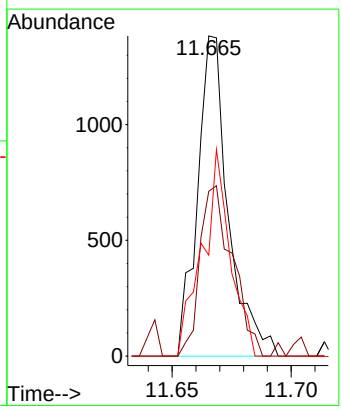


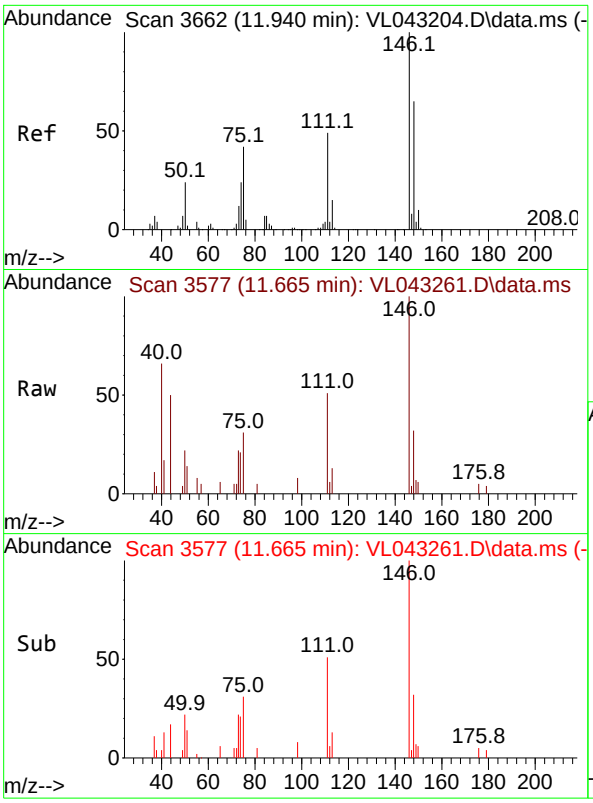


#76
1,4-Dichlorobenzene
Concen: 0.059 ppbv
RT: 11.665 min Scan# 3577
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:146 Resp: 1248

Ion	Ratio	Lower	Upper
146	100		
111	65.1	22.8	68.3
148	58.2	31.8	95.4



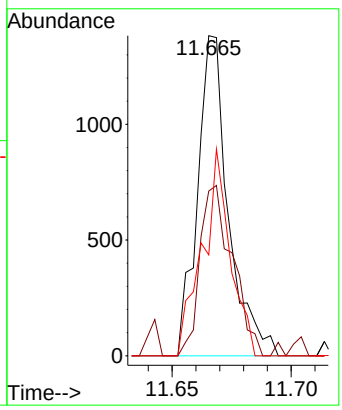


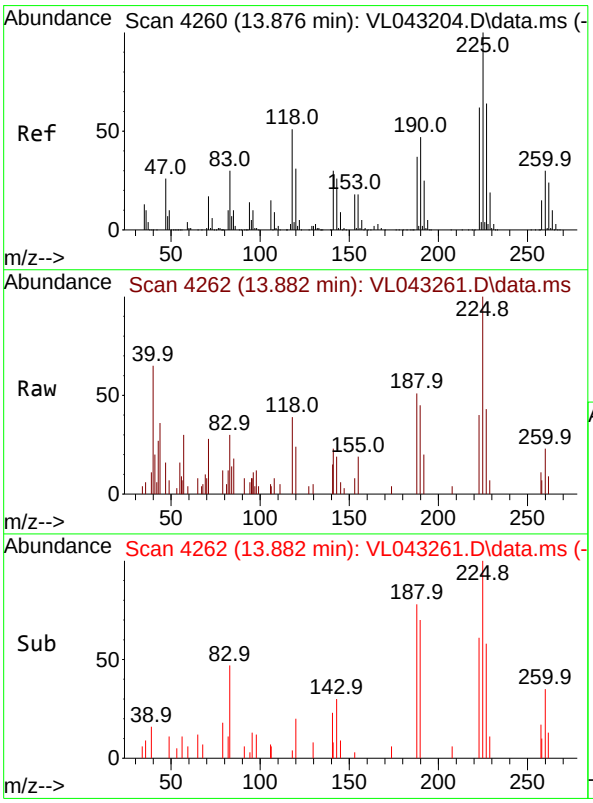
#77
1,2-Dichlorobenzene
Concen: 0.062 ppbv
RT: 11.665 min Scan# 3
Delta R.T. -0.275 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:146 Resp: 1248

Ion	Ratio	Lower	Upper
146	100		
111	60.5	24.3	73.0
148	58.2	31.6	94.7

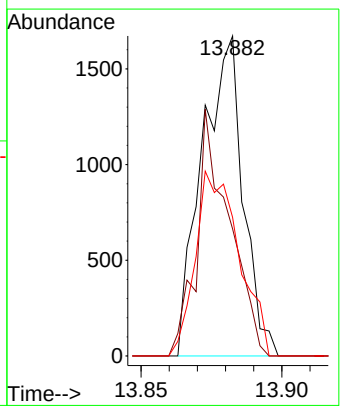


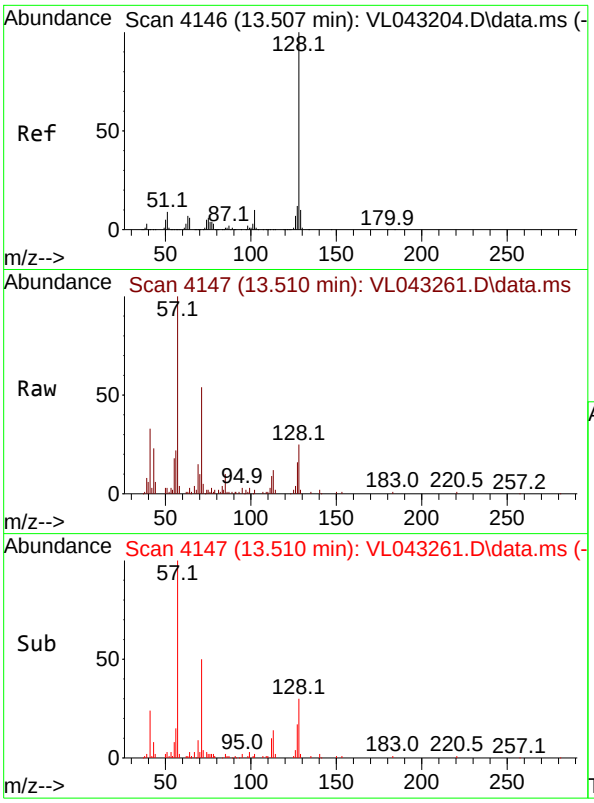


#78
Hexachloro-1,3-Butadiene
Concen: 0.100 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. 0.007 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:225 Resp: 1697

Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.2	75.4
227	61.1	51.1	76.7



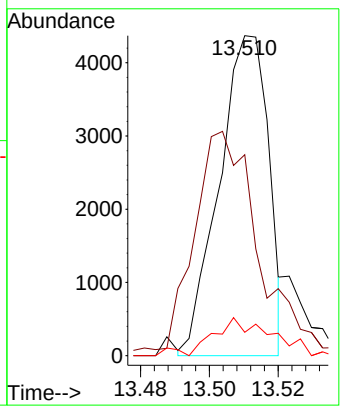


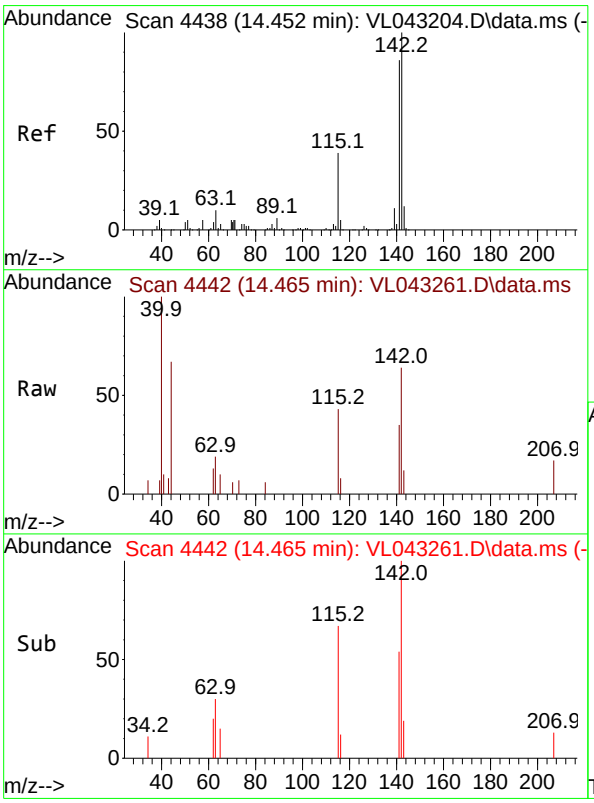
#79
Naphthalene
Concen: 0.136 ppbv
RT: 13.510 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:128 Resp: 4377

Ion	Ratio	Lower	Upper
128	100		
127	42.5	9.9	14.9#
129	5.5	8.4	12.6#

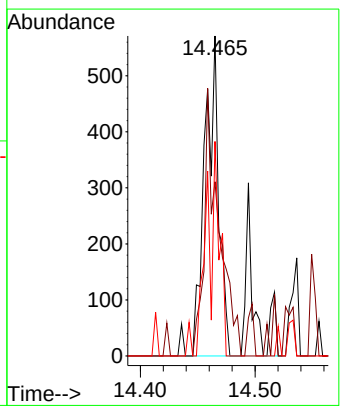


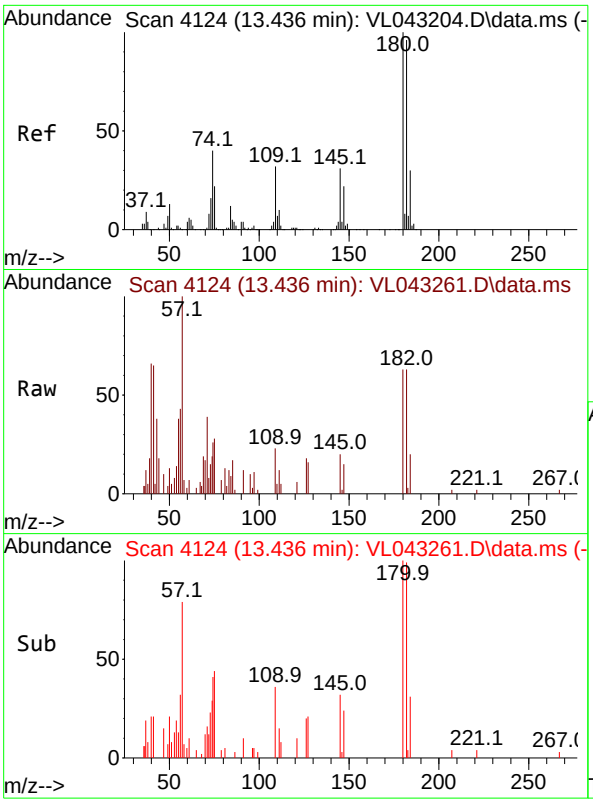


#80
Naphthalene,2-methyl-
Concen: 0.077 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.013 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Tgt Ion:142 Resp: 652

Ion	Ratio	Lower	Upper
142	100		
141	69.5	67.1	100.7
115	45.2	31.9	47.9



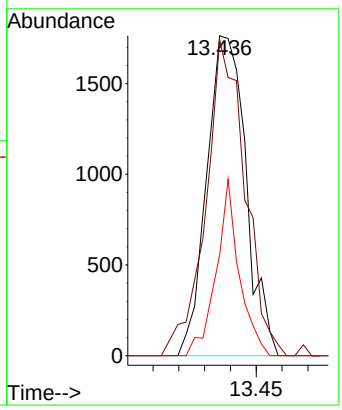


#81
1,2,4-Trichlorobenzene
Concen: 0.130 ppbv
RT: 13.436 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL043261.D
Acq: 20 Nov 2025 12:49

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:180 Resp: 1868

Ion	Ratio	Lower	Upper
180	100		
182	99.1	77.4	116.2
184	32.1	24.2	36.4



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043262.D
Acq On : 20 Nov 2025 13:24
Operator : SY/MD
Sample : Q3655-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Quant Time: Nov 21 00:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	103900	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.956	114	279180	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	219347	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.371	95	166068	10.329	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.300%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3828	0.261	ppbv		98
3) Chlorodifluoromethane	1.467	51	35710	2.478	ppbv	#	62
4) Chloromethane	1.535	50	3761	0.686	ppbv		92
5) Vinyl Chloride	1.486	62	277	0.046	ppbv	#	41
6) Bromomethane	1.667	94	989	0.340	ppbv		94
7) Chloroethane	1.710	64	162	0.069	ppbv	#	1
9) Propene	1.486	41	3938	0.643	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	1889	0.133	ppbv		99
12) 1,1,2-Trichlorotrifluo...	2.143	101	375	0.034	ppbv	#	12
13) Ethanol	1.722	45	14583	6.777	ppbv		91
15) Acetone	1.836	43	365584	25.326	ppbv		98
16) 1,3-Butadiene	1.603	39	3128	0.486	ppbv	#	38
17) tert-Butyl alcohol	2.043	59	3910	0.206	ppbv	#	62
19) Isopropyl Alcohol	1.884	45	52673	6.457	ppbv	#	1
20) Methylene Chloride	2.062	84	6938	0.918	ppbv	#	87
21) Allyl Chloride	2.079	41	506	0.052	ppbv	#	1
23) Vinyl Acetate	2.454	43	16429	0.943	ppbv	#	91
25) Ethyl Acetate	2.829	43	8755	0.281	ppbv	#	81
26) Hexane	2.826	57	11396	0.835	ppbv	#	44
27) Carbon Disulfide	2.153	76	3676	0.264	ppbv	#	1
28) Methyl tert-Butyl Ether	2.405	73	966	0.144	ppbv	#	27
29) Chloroform	2.842	83	1152	0.059	ppbv	#	68
31) cis-1,2-Dichloroethene	2.719	61	2376	0.175	ppbv	#	93
34) 2-Butanone	2.558	43	26112	1.325	ppbv		96
36) Benzene	3.655	78	5648	0.211	ppbv	#	91
38) Trichloroethene	4.555	130	1252	0.120	ppbv		90
39) 1,2-Dichloropropane	3.953	63	71356	7.292	ppbv	#	25
41) Tetrahydrofuran	3.059	42	861	0.079	ppbv	#	69
44) 2,2,4-Trimethylpentane	4.632	57	1953	0.043	ppbv	#	21
52) Tetrachloroethene	8.222	164	292708	29.432	ppbv		97
53) Toluene	6.930	91	7801	0.246	ppbv	#	73
56) 1,1,1,2-Tetrachloroethane	8.930	131	2562	0.159	ppbv	#	1
58) Ethyl Benzene	9.351	91	3081	0.073	ppbv	#	85
59) m/p-Xylene	9.549	91	1664	0.049	ppbv	#	31
60) o-Xylene	9.963	91	4116	0.122	ppbv		94
66) Benzyl Chloride	11.614	91	211	0.038	ppbv	#	1
67) sec-Butylbenzene	11.772	105	9138	0.121	ppbv	#	1
69) p-Isopropyltoluene	11.924	119	3400	0.053	ppbv	#	88
72) 4-Ethyltoluene	11.122	105	1314	0.032	ppbv	#	74
73) 1,3,5-Trimethylbenzene	11.199	105	1084	0.031	ppbv		93
74) 1,2,4-Trimethylbenzene	11.533	105	6527	0.173	ppbv	#	51
79) Naphthalene	13.507	128	2642	0.079	ppbv	#	1
80) Naphthalene,2-methyl-	14.465	142	570	0.065	ppbv	#	61

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043262.D
Acq On : 20 Nov 2025 13:24
Operator : SY/MD
Sample : Q3655-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Quant Time: Nov 21 00:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

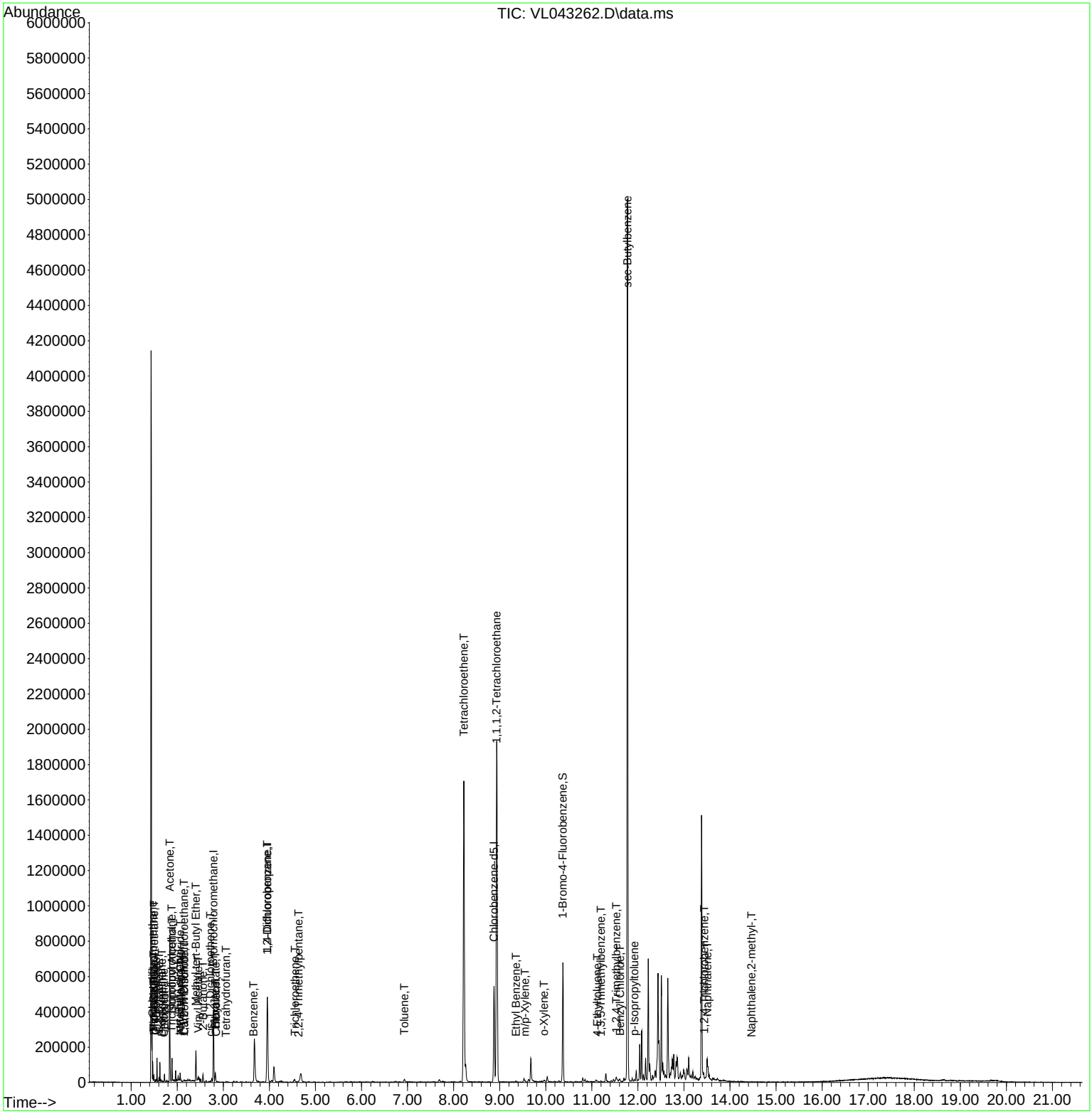
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) 1,2,4-Trichlorobenzene	13.442	180	485	0.032	ppbv #	90

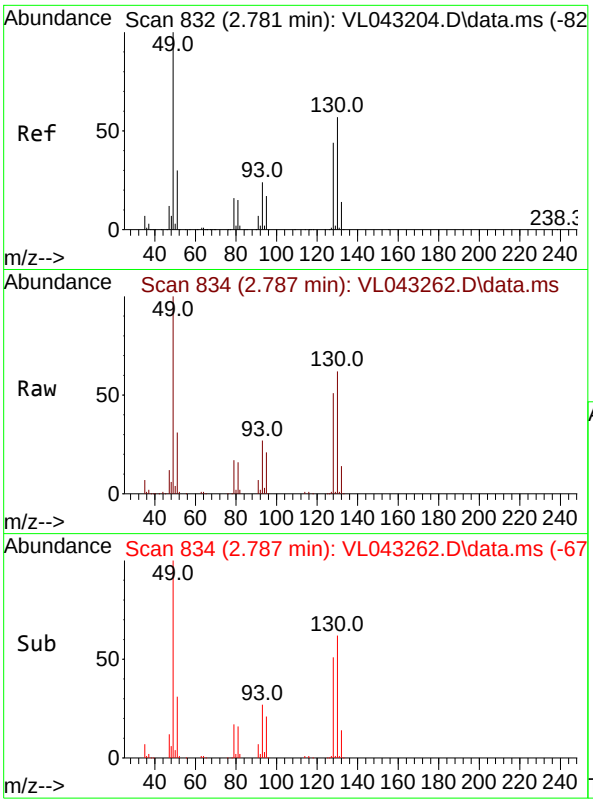
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043262.D
Acq On : 20 Nov 2025 13:24
Operator : SY/MD
Sample : Q3655-02 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Quant Time: Nov 21 00:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



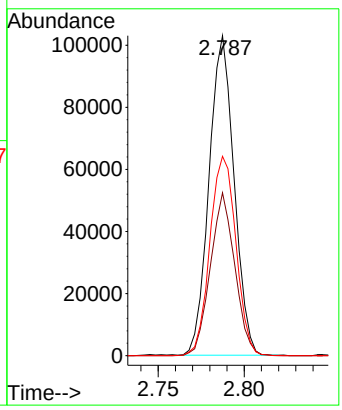


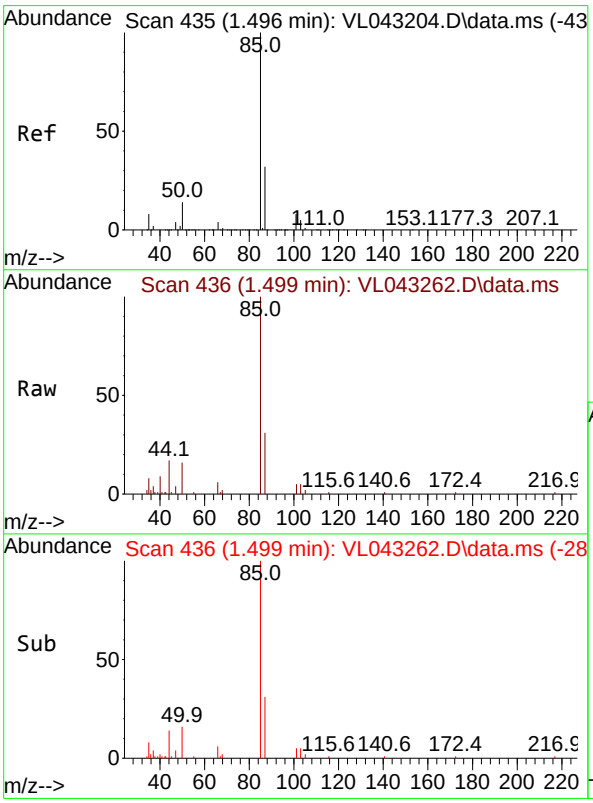
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 49 Resp: 103900

Ion	Ratio	Lower	Upper
49	100		
128	49.8	23.0	69.0
130	65.0	29.9	89.7

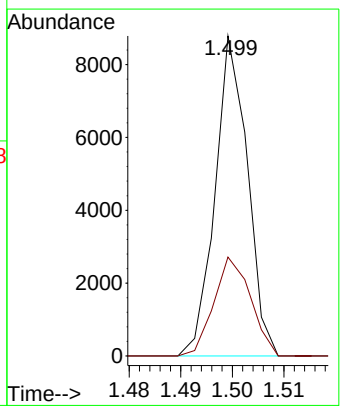


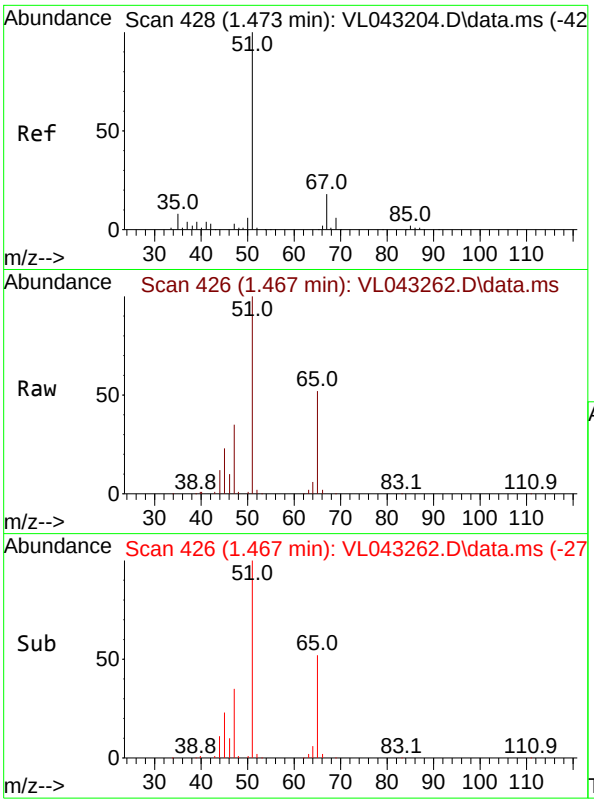


#2
Dichlorodifluoromethane
Concen: 0.261 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 85 Resp: 3828

Ion	Ratio	Lower	Upper
85	100		
87	30.9	25.4	38.2



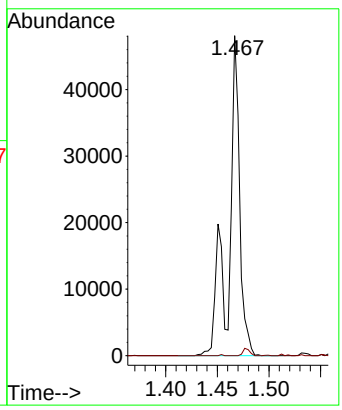


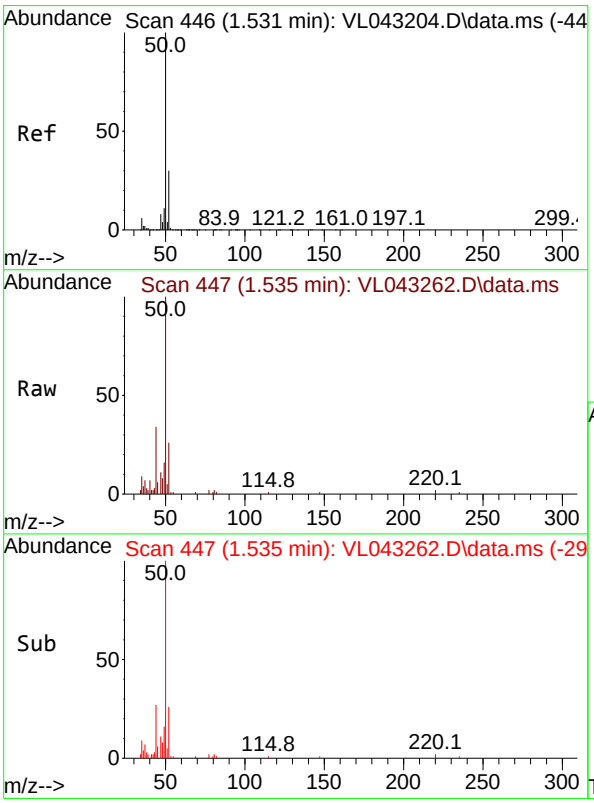
#3
Chlorodifluoromethane
Concen: 2.478 ppbv
RT: 1.467 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 51 Resp: 35710

Ion	Ratio	Lower	Upper
51	100		
67	1.4	14.9	22.3#

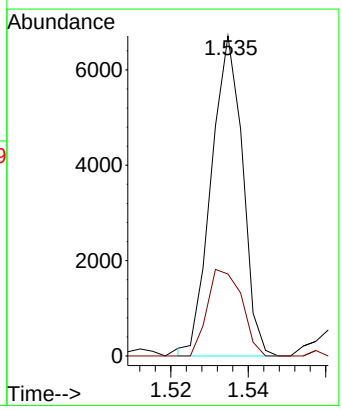


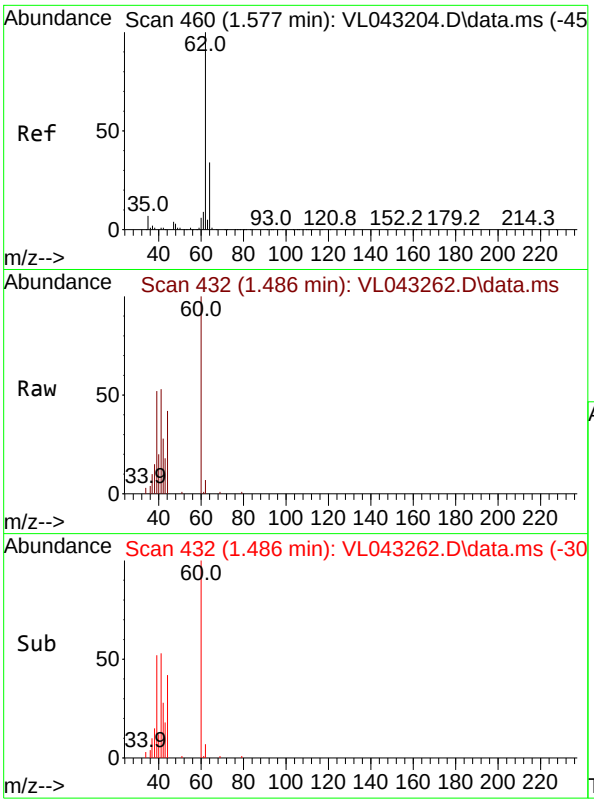


#4
Chloromethane
Concen: 0.686 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 50 Resp: 3761

Ion	Ratio	Lower	Upper
50	100		
52	25.6	24.1	36.1



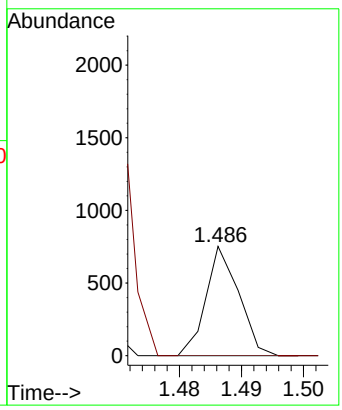


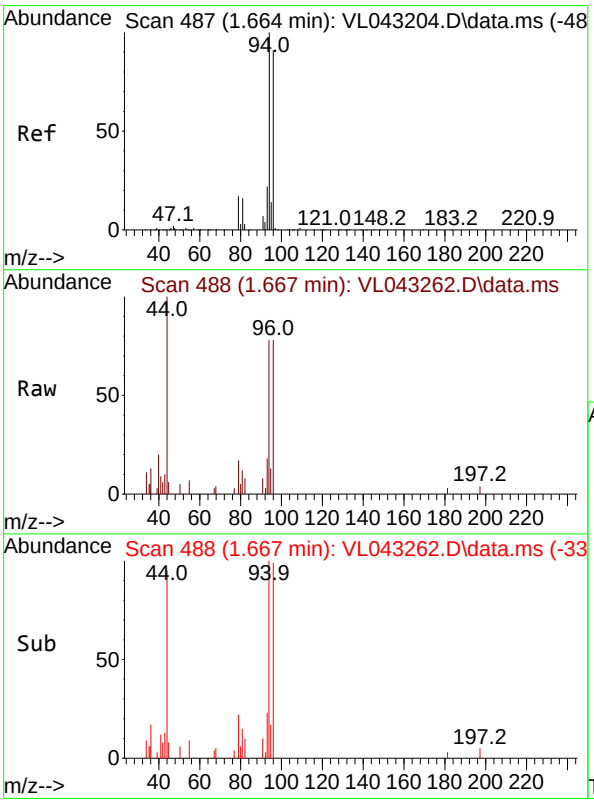
#5
Vinyl Chloride
Concen: 0.046 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.091 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 62 Resp: 277

Ion	Ratio	Lower	Upper
62	100		
64	0.0	27.3	40.9#

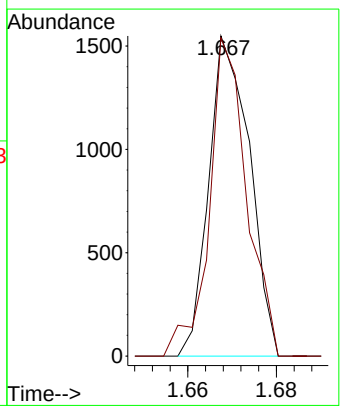


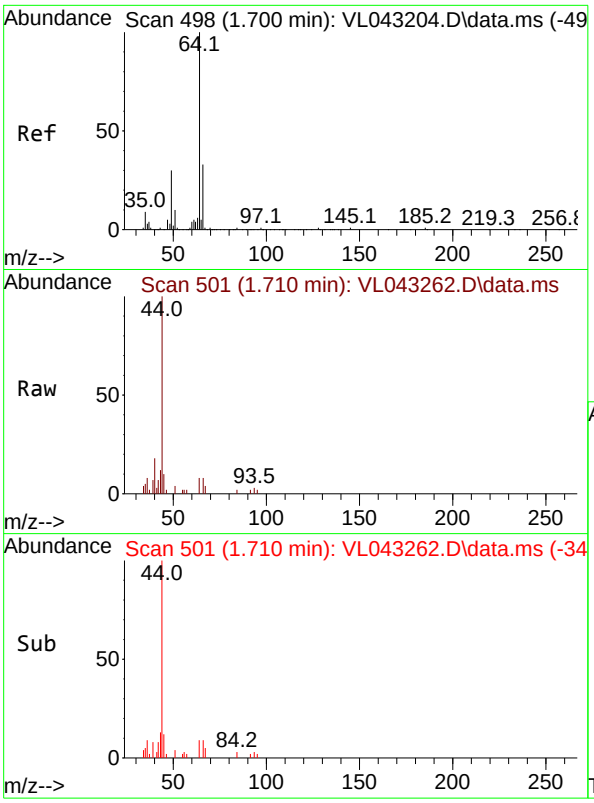


#6
Bromomethane
Concen: 0.340 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 94 Resp: 989

Ion	Ratio	Lower	Upper
94	100		
96	85.3	72.9	109.3



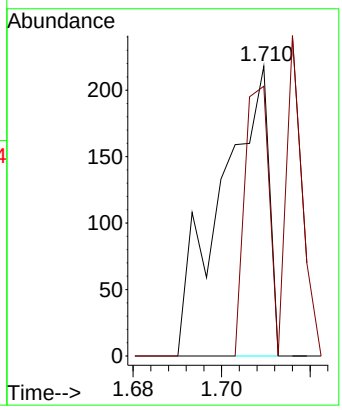


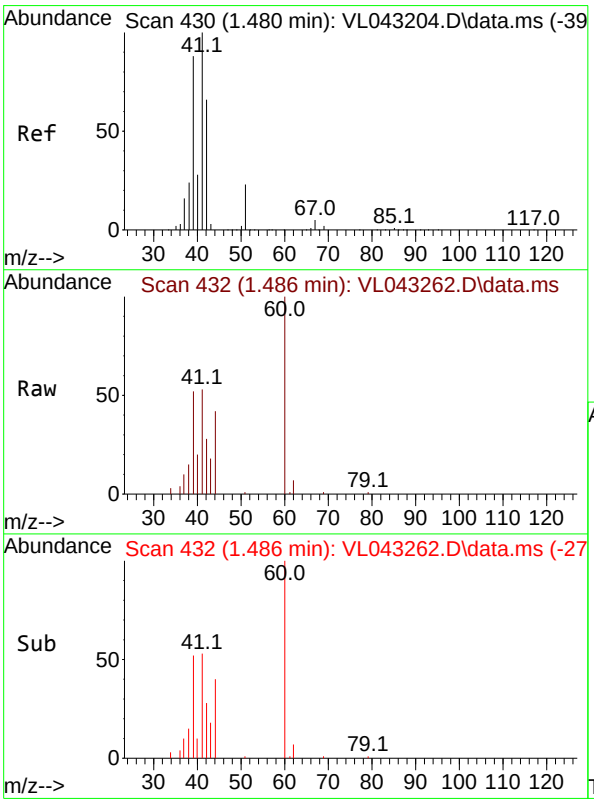
#7
Chloroethane
Concen: 0.069 ppbv
RT: 1.710 min Scan# 5
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 64 Resp: 162

Ion	Ratio	Lower	Upper
64	100		
66	93.1	26.8	40.2#

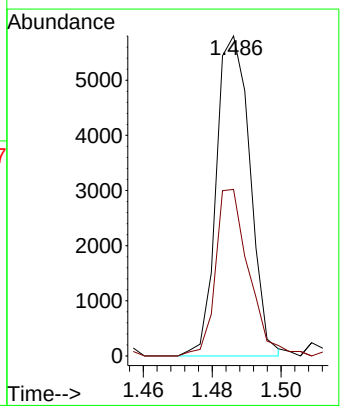


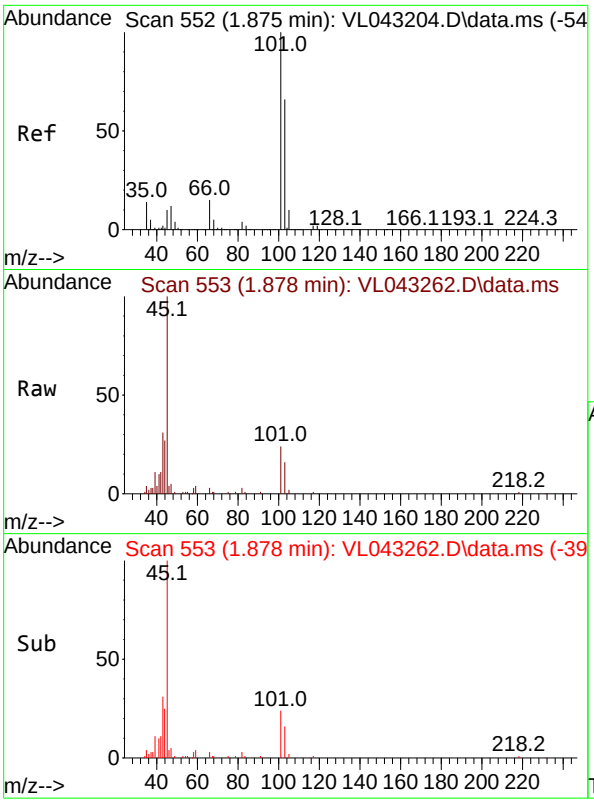


#9
Propene
Concen: 0.643 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 41 Resp: 3938

Ion	Ratio	Lower	Upper
41	100		
42	55.2	3.7	5.5#



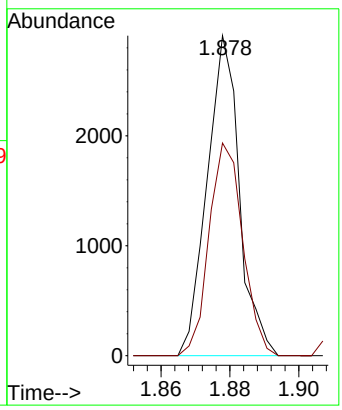


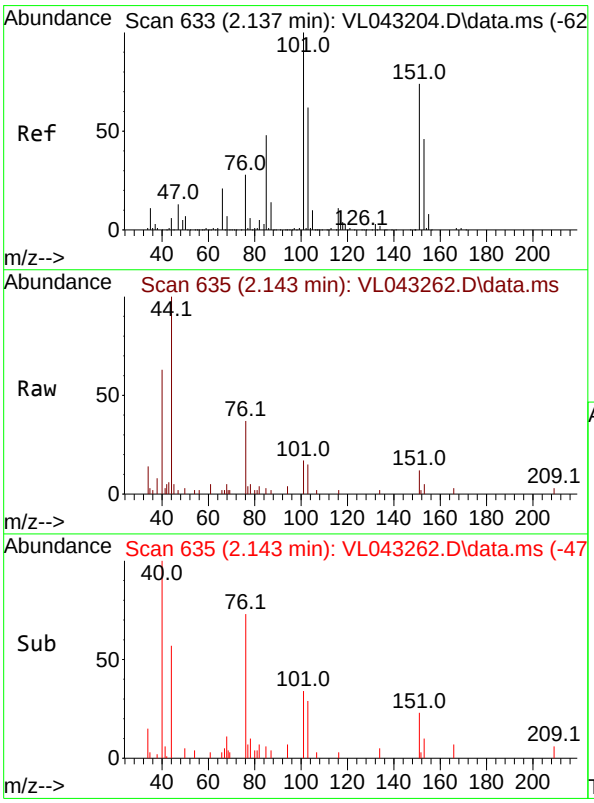
#11
Trichlorofluoromethane
Concen: 0.133 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:101 Resp: 1889

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.6	79.0

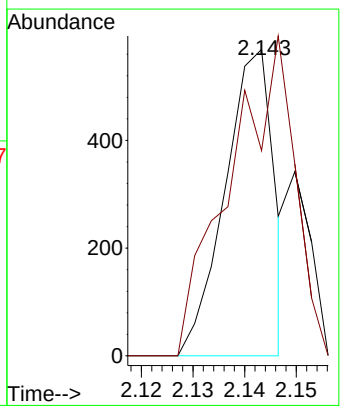


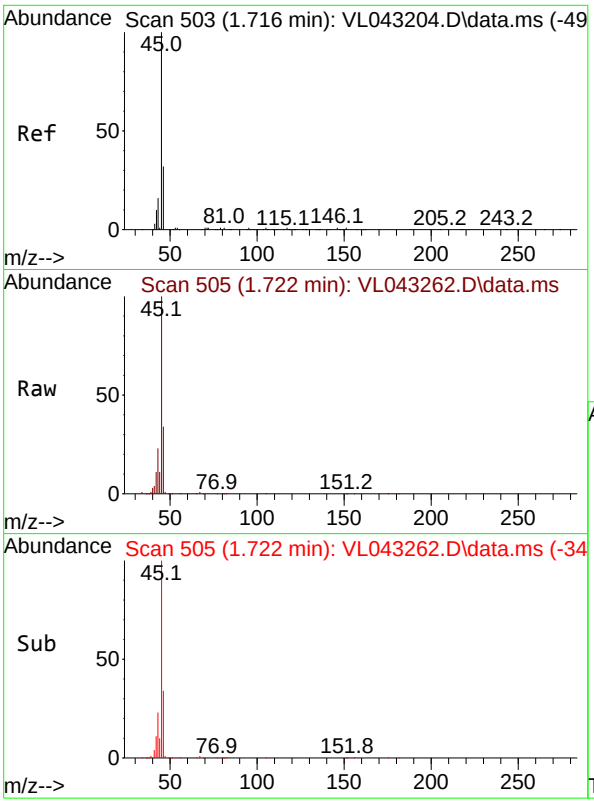


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.034 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:101 Resp: 375

Ion	Ratio	Lower	Upper
101	100		
151	0.0	59.2	88.8#



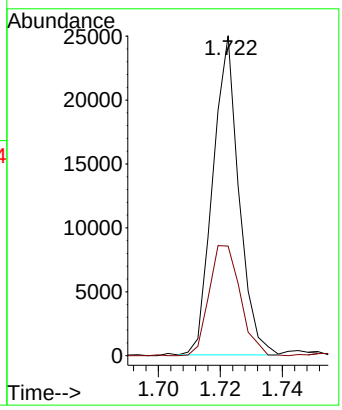


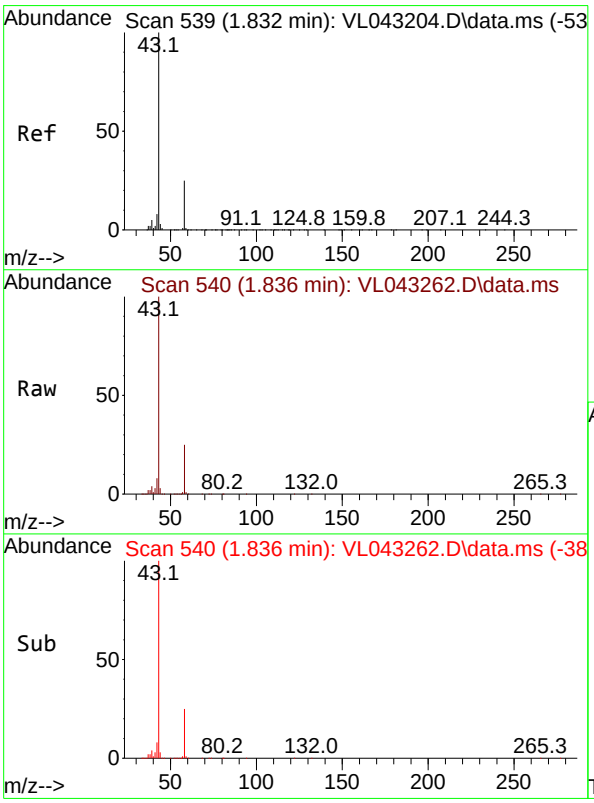
#13
Ethanol
Concen: 6.777 ppbv
RT: 1.722 min Scan# 5
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 45 Resp: 14583

Ion	Ratio	Lower	Upper
45	100		
46	42.9	15.0	59.8

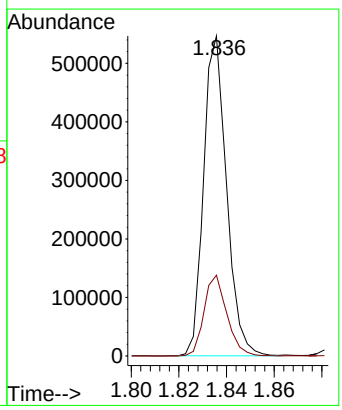


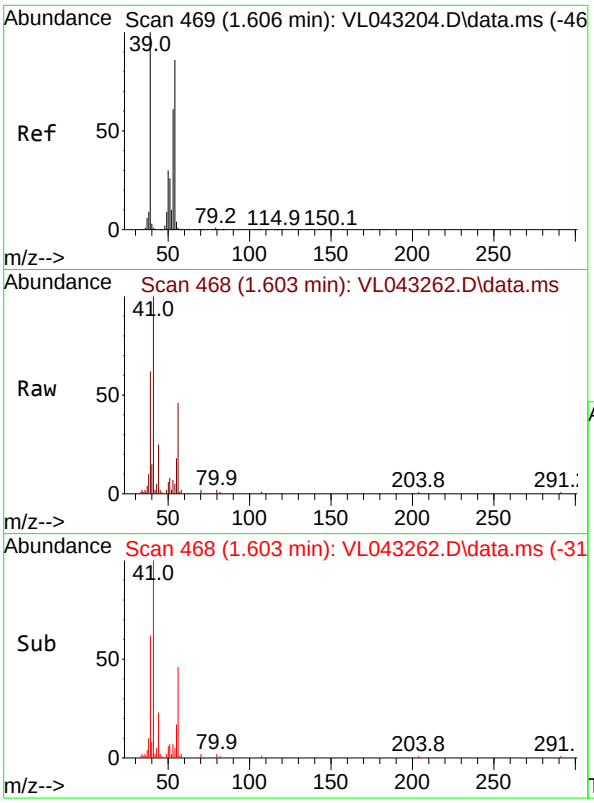


#15
Acetone
Concen: 25.326 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 43 Resp: 365584

Ion	Ratio	Lower	Upper
43	100		
58	25.1	20.7	31.1



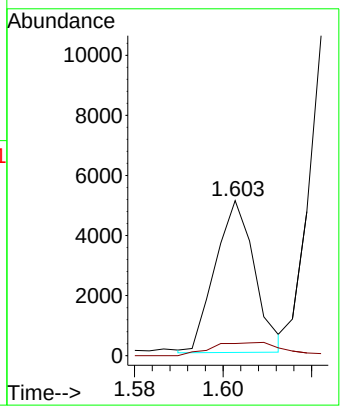


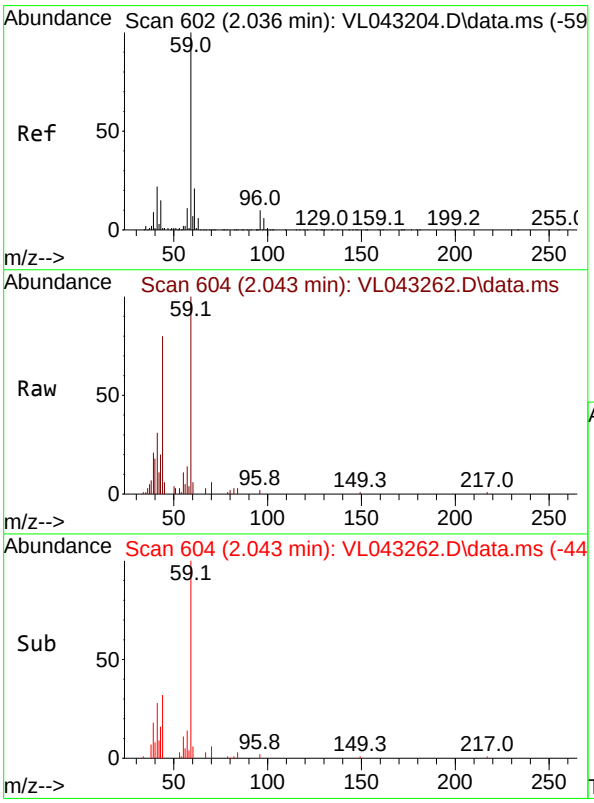
#16
1,3-Butadiene
Concen: 0.486 ppbv
RT: 1.603 min Scan# 4
Delta R.T. -0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 39 Resp: 3128

Ion	Ratio	Lower	Upper
39	100		
54	21.5	59.4	89.2#

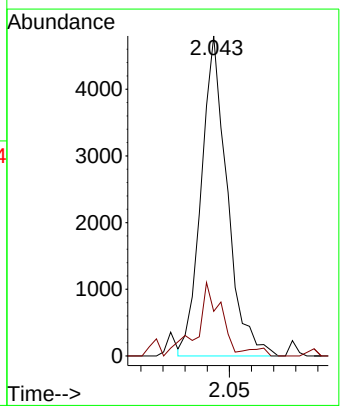


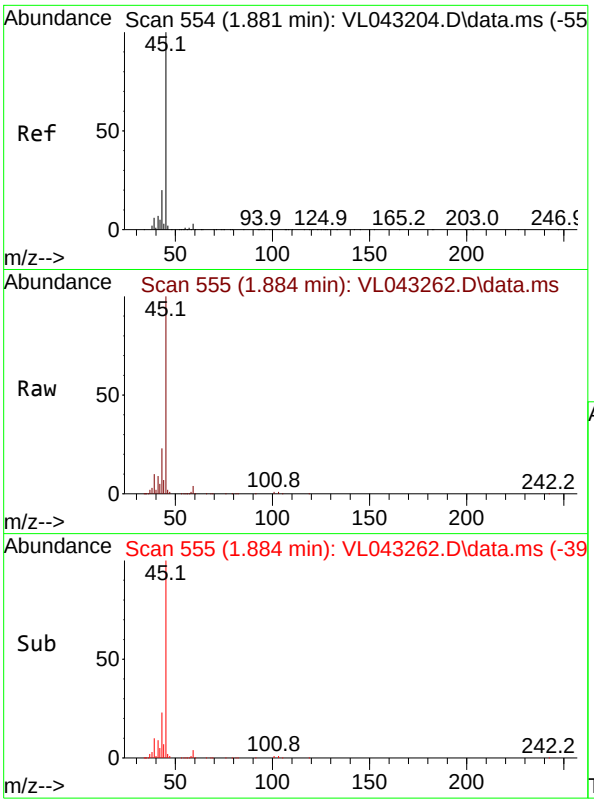


#17
tert-Butyl alcohol
Concen: 0.206 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 59 Resp: 3910

Ion	Ratio	Lower	Upper
59	100		
57	25.5	9.0	13.4#



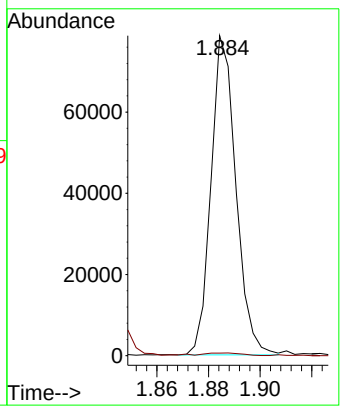


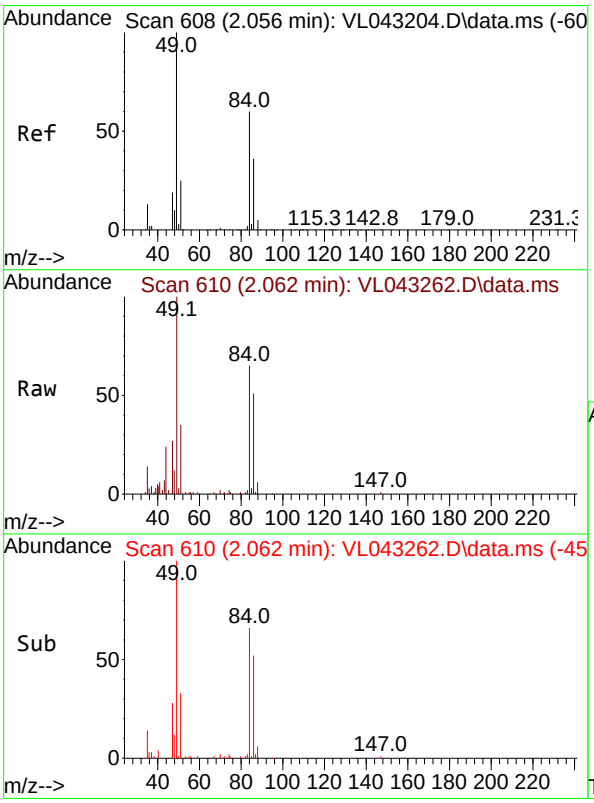
#19
Isopropyl Alcohol
Concen: 6.457 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 45 Resp: 52673

Ion	Ratio	Lower	Upper
45	100		
58	174.4	31.3	46.9#

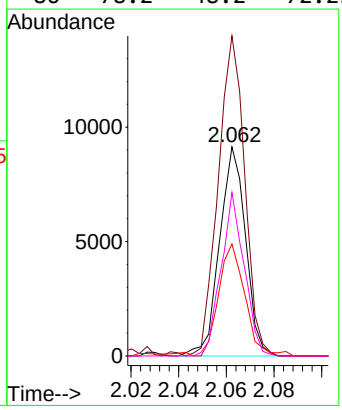


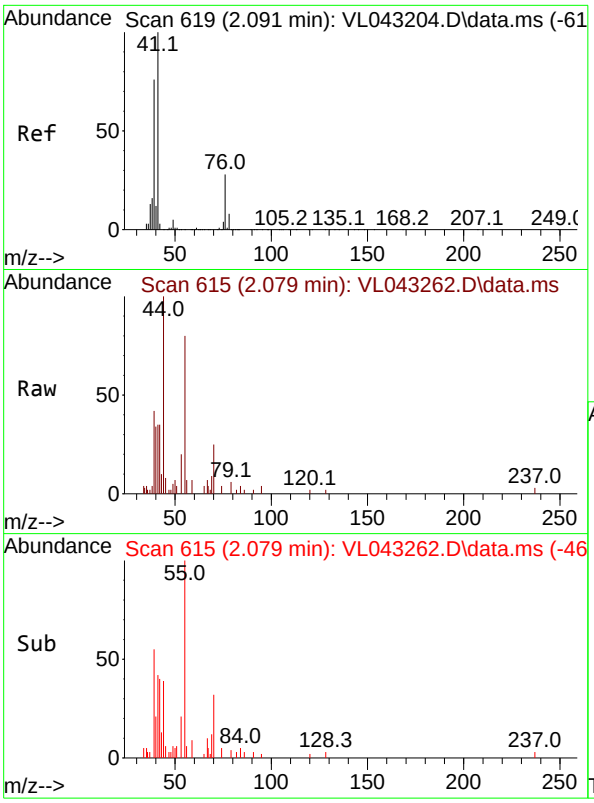


#20
Methylene Chloride
Concen: 0.918 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 84 Resp: 6938

Ion	Ratio	Lower	Upper
84	100		
49	153.1	132.9	199.3
51	52.3	34.8	52.2#
86	78.2	48.2	72.2#



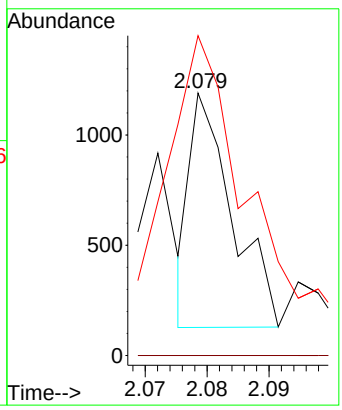


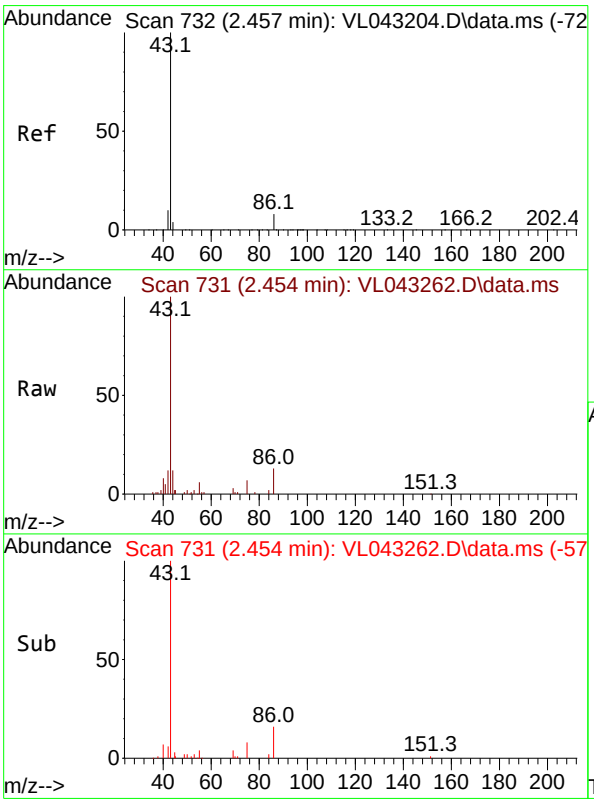
#21
Allyl Chloride
Concen: 0.052 ppbv
RT: 2.079 min Scan# 6
Delta R.T. -0.013 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 41 Resp: 506

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.1	33.1#
39	190.7	61.0	91.4#

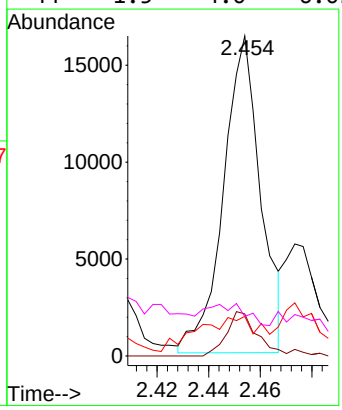


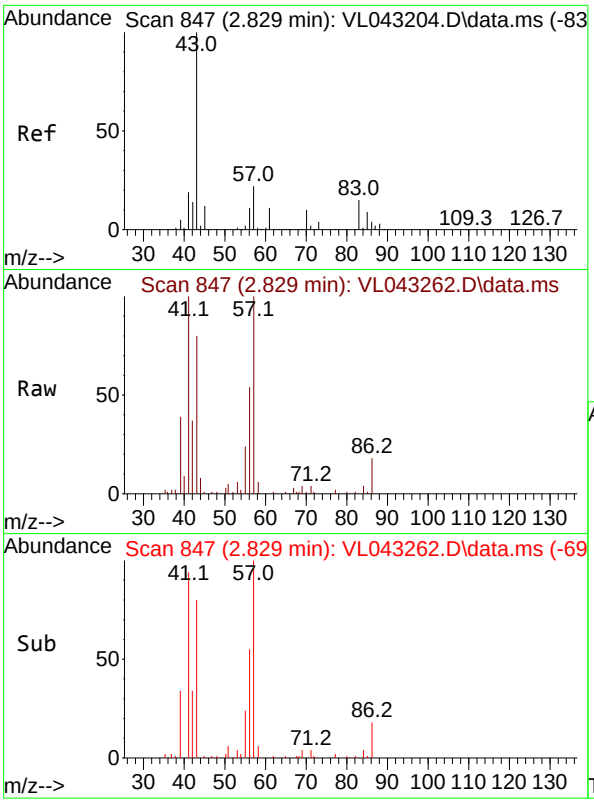


#23
Vinyl Acetate
Concen: 0.943 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 43 Resp: 16429

Ion	Ratio	Lower	Upper
43	100		
86	13.6	6.2	9.2#
42	9.0	8.0	12.0
44	1.5	4.0	6.0#



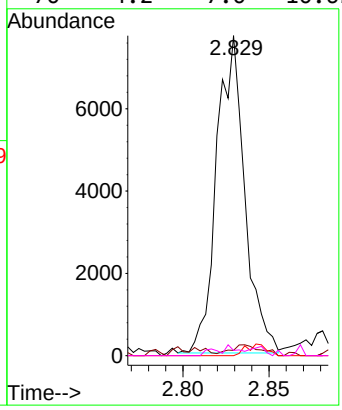


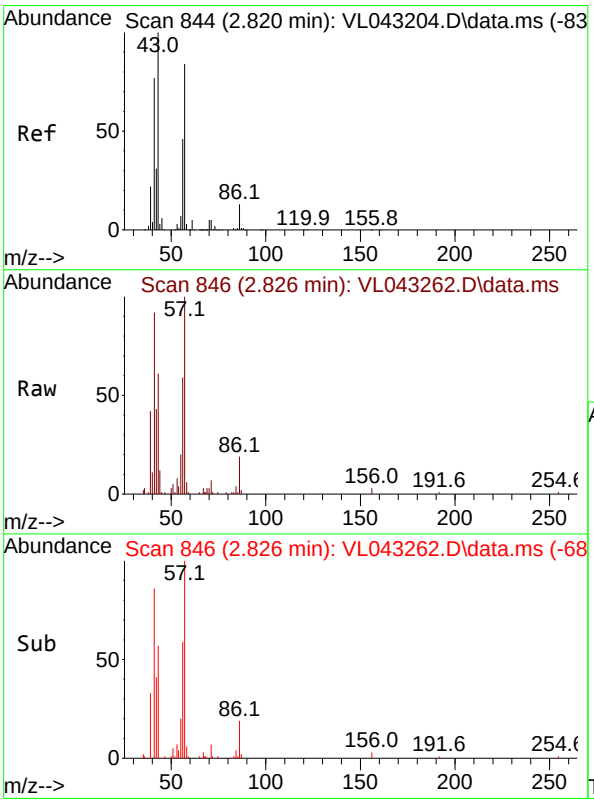
#25
Ethyl Acetate
Concen: 0.281 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 43 Resp: 8755

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	2.6	7.0	10.4#
70	4.2	7.0	10.6#

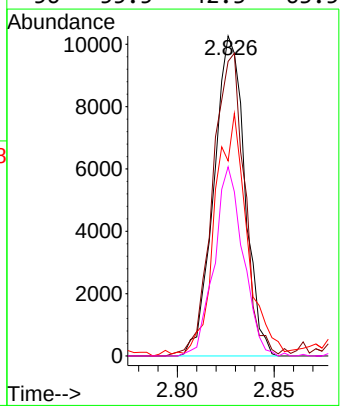


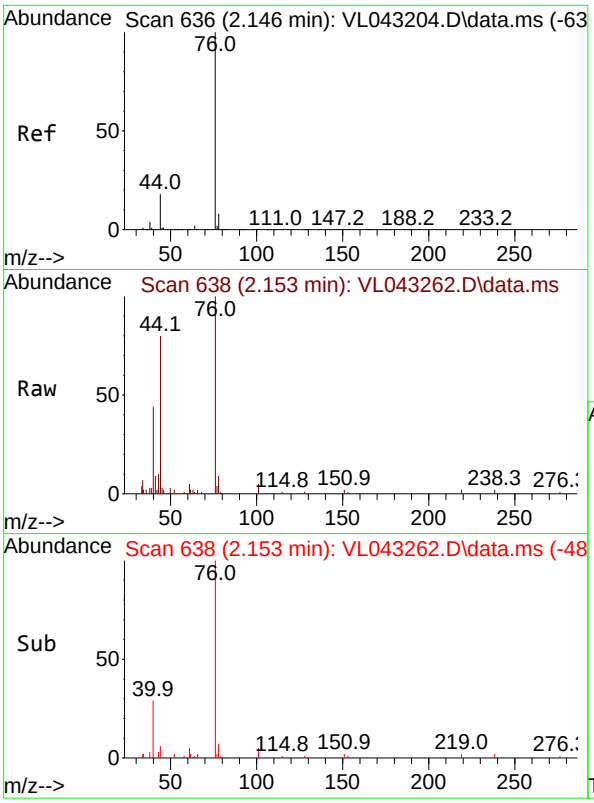


#26
Hexane
Concen: 0.835 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 57 Resp: 11396

Ion	Ratio	Lower	Upper
57	100		
41	97.9	74.6	111.8
43	78.3	179.0	268.4#
56	55.5	42.3	63.5



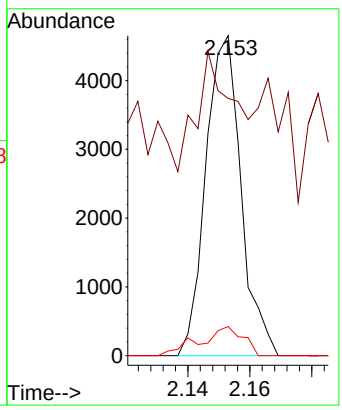


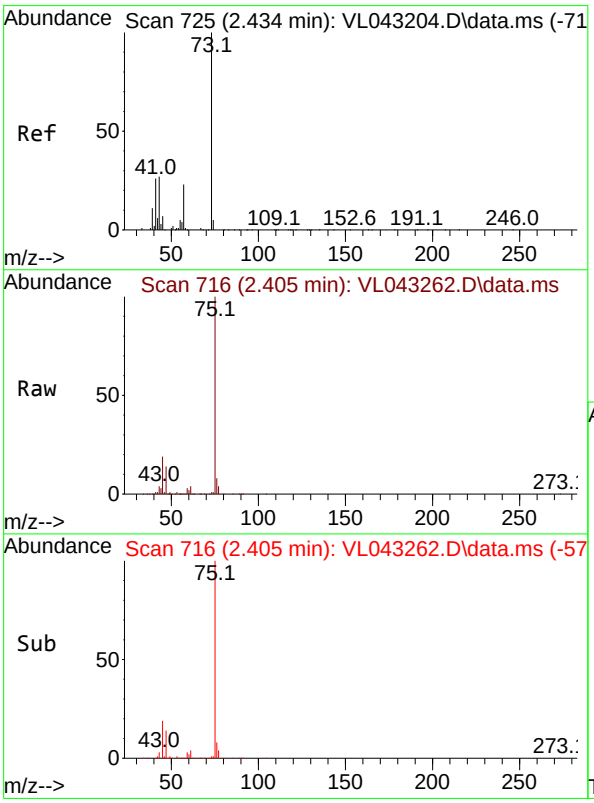
#27
Carbon Disulfide
Concen: 0.264 ppbv
RT: 2.153 min Scan# 6
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 76 Resp: 3676

Ion	Ratio	Lower	Upper
76	100		
44	98.2	16.1	24.1#
78	11.0	9.6	14.4

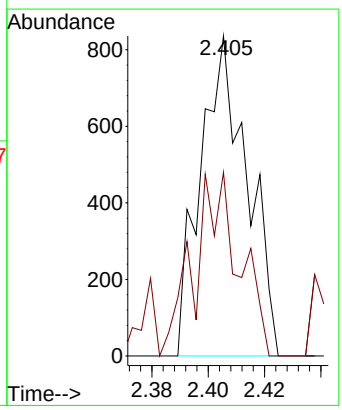


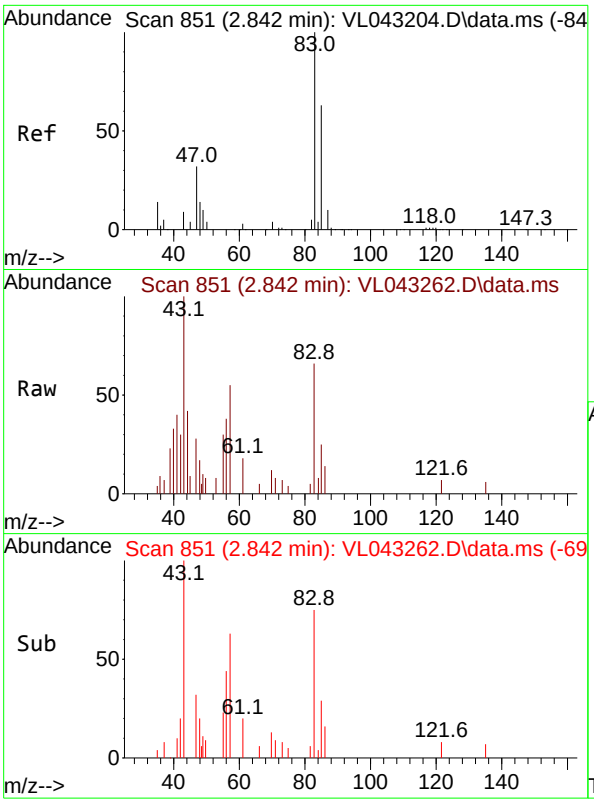


#28
Methyl tert-Butyl Ether
Concen: 0.144 ppbv
RT: 2.405 min Scan# 716
Delta R.T. -0.029 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 73 Resp: 966

Ion	Ratio	Lower	Upper
73	100		
57	61.4	19.8	29.8#



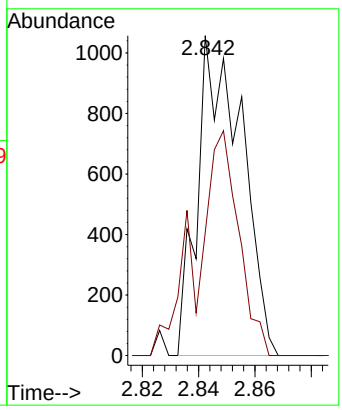


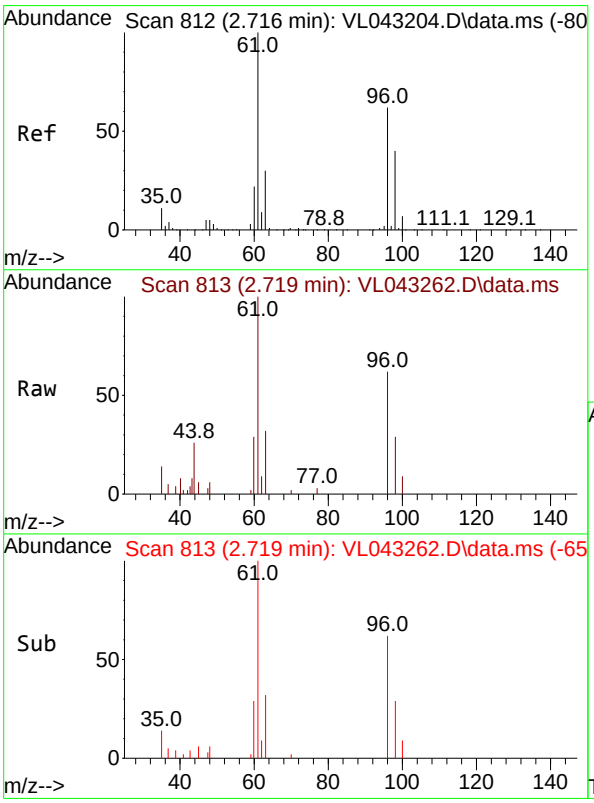
#29
Chloroform
Concen: 0.059 ppbv
RT: 2.842 min Scan# 8
Delta R.T. 0.000 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 83 Resp: 1152

Ion	Ratio	Lower	Upper
83	100		
85	38.5	50.5	75.7#

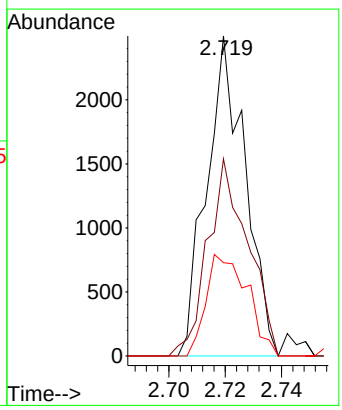


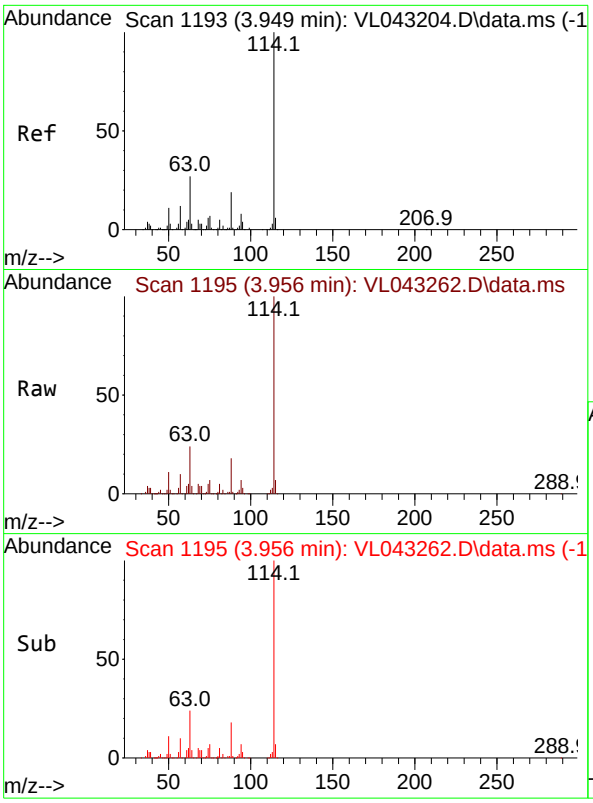


#31
cis-1,2-Dichloroethene
Concen: 0.175 ppbv
RT: 2.719 min Scan# 813
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 61 Resp: 2376

Ion	Ratio	Lower	Upper
61	100		
96	61.6	49.3	73.9
98	29.1	32.1	48.1#



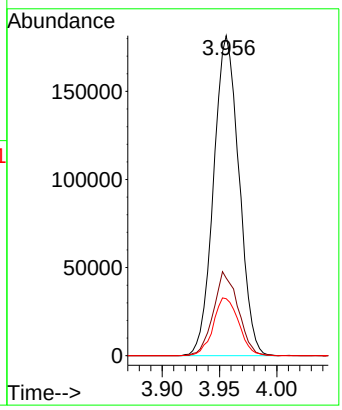


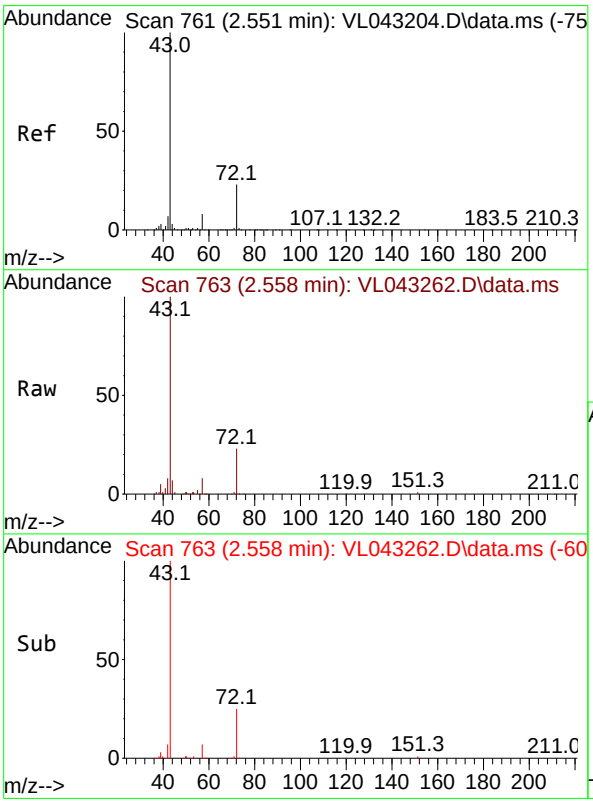
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:114 Resp: 279180

Ion	Ratio	Lower	Upper
114	100		
63	25.6	21.0	31.6
88	18.2	14.9	22.3

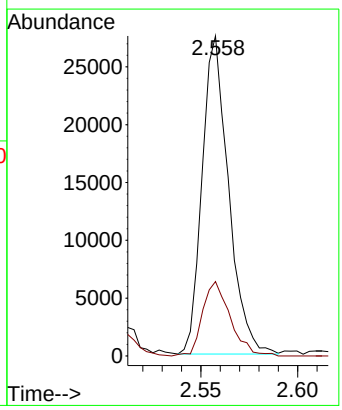


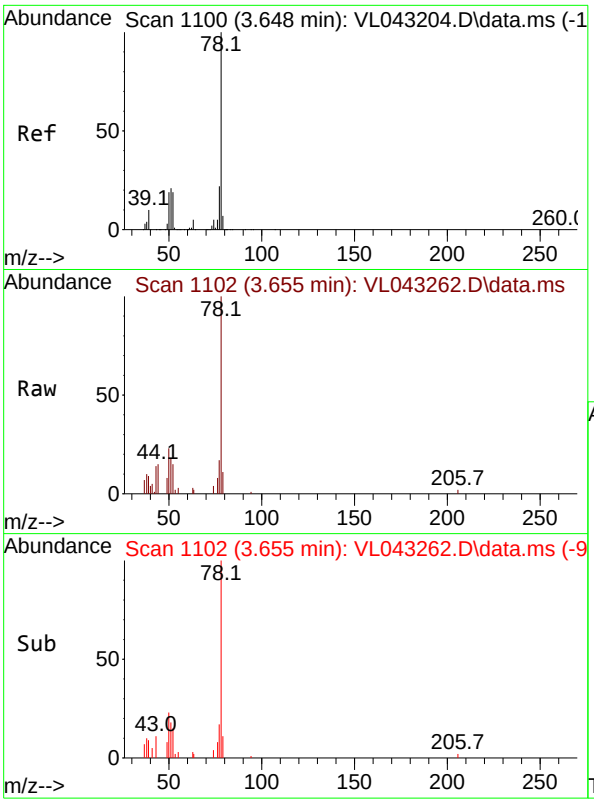


#34
2-Butanone
Concen: 1.325 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 43 Resp: 26112

Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.1	27.1



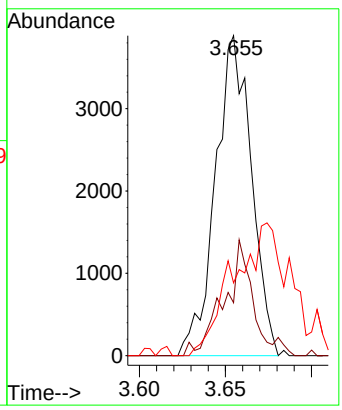


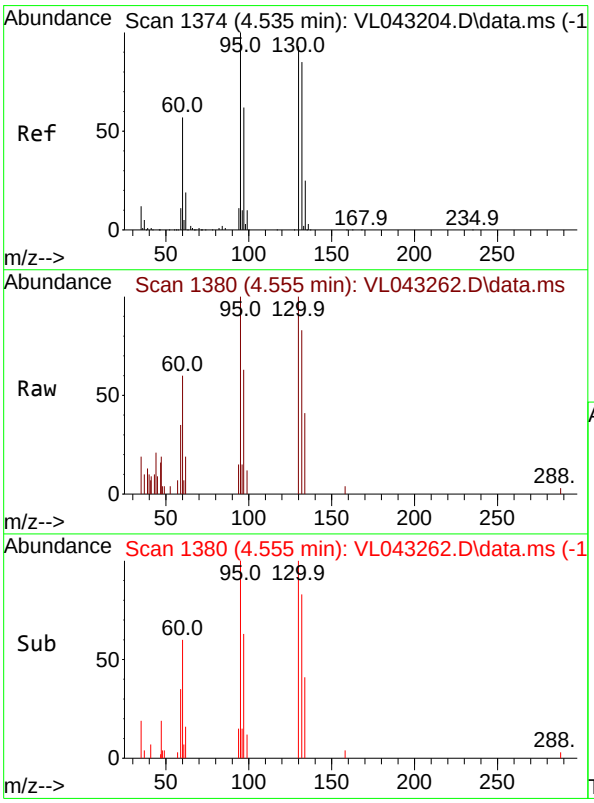
#36
Benzene
Concen: 0.211 ppbv
RT: 3.655 min Scan# 1
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 78 Resp: 5648

Ion	Ratio	Lower	Upper
78	100		
77	16.6	17.5	26.3#
50	22.8	15.5	23.3

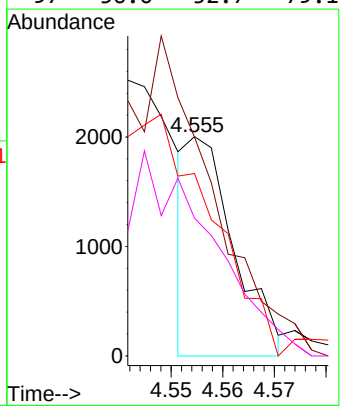


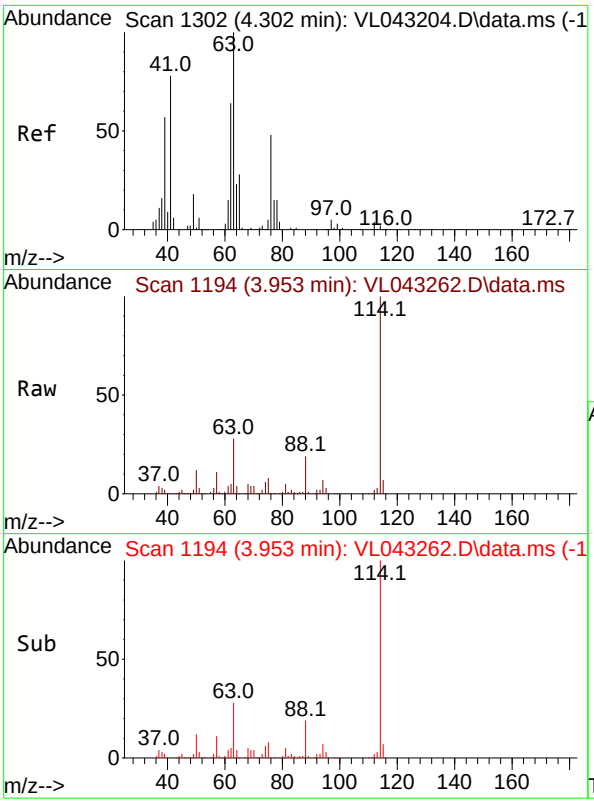


#38
Trichloroethene
Concen: 0.120 ppbv
RT: 4.555 min Scan# 1380
Delta R.T. 0.019 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:130 Resp: 1252

Ion	Ratio	Lower	Upper
130	100		
95	89.0	85.7	128.5
132	91.8	73.4	110.0
97	56.0	52.7	79.1



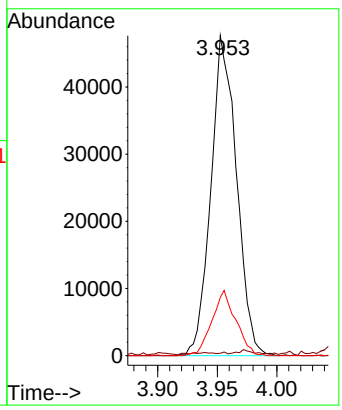


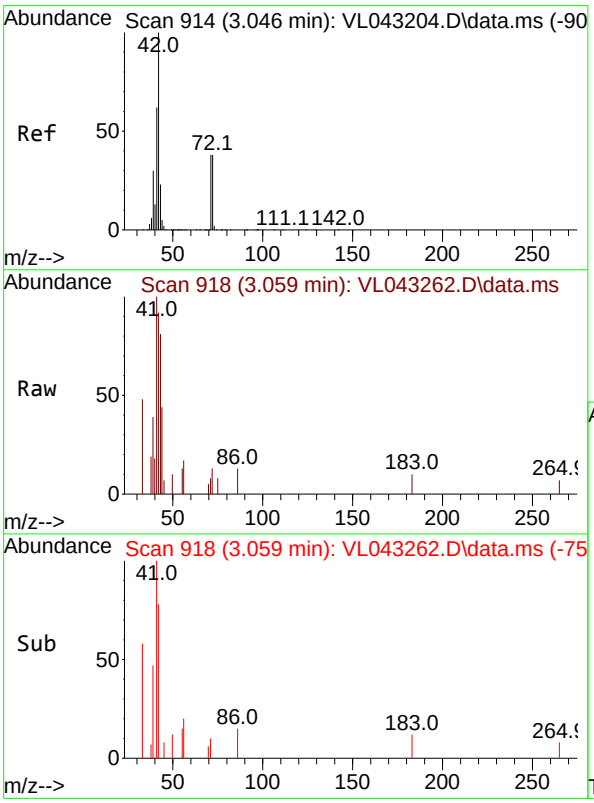
#39
1,2-Dichloropropane
Concen: 7.292 ppbv
RT: 3.953 min Scan# 11
Delta R.T. -0.349 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 63 Resp: 71356

Ion	Ratio	Lower	Upper
63	100		
41	0.5	62.6	93.8#
62	18.2	51.0	76.6#

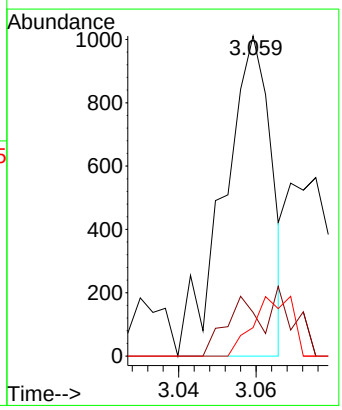


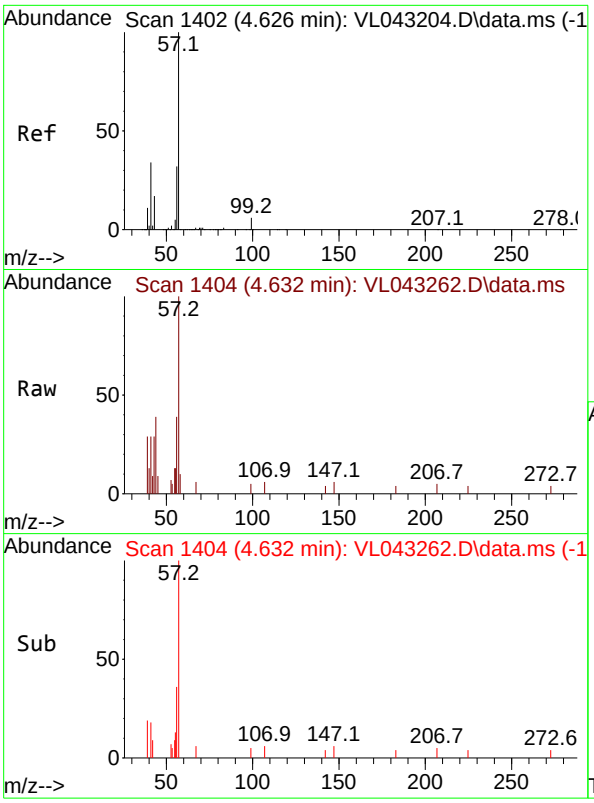


#41
Tetrahydrofuran
Concen: 0.079 ppbv
RT: 3.059 min Scan# 918
Delta R.T. 0.013 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 42 Resp: 861

Ion	Ratio	Lower	Upper
42	100		
72	23.0	30.6	46.0#
71	15.3	30.5	45.7#



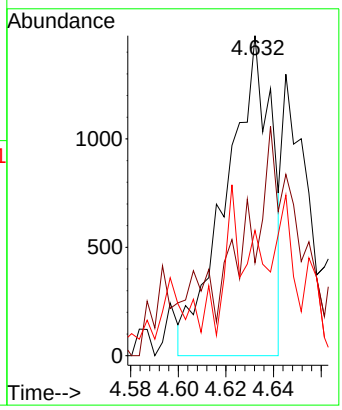


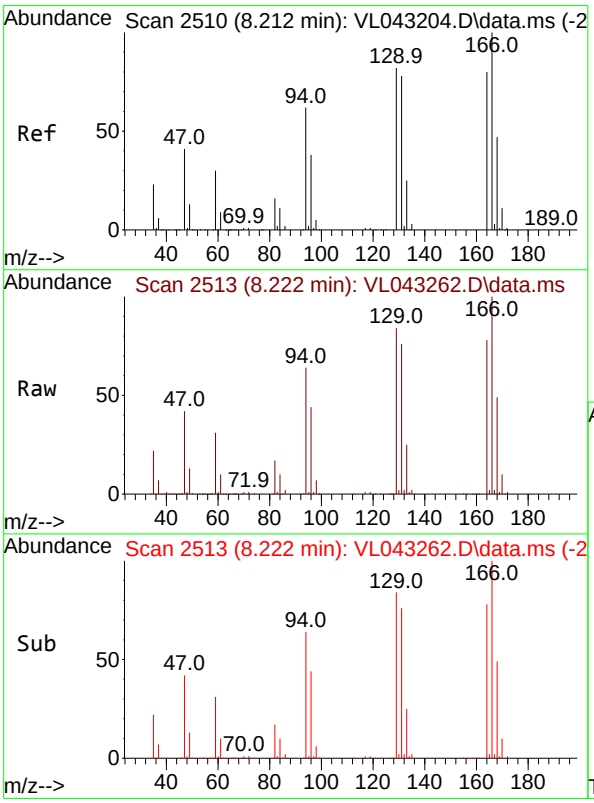
#44
2,2,4-Trimethylpentane
Concen: 0.043 ppbv
RT: 4.632 min Scan# 14
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 57 Resp: 1953

Ion	Ratio	Lower	Upper
57	100		
41	0.0	28.0	42.0#
56	87.1	25.6	38.4#

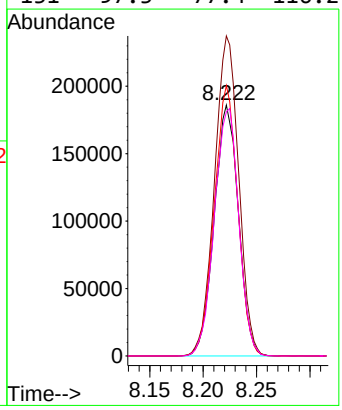


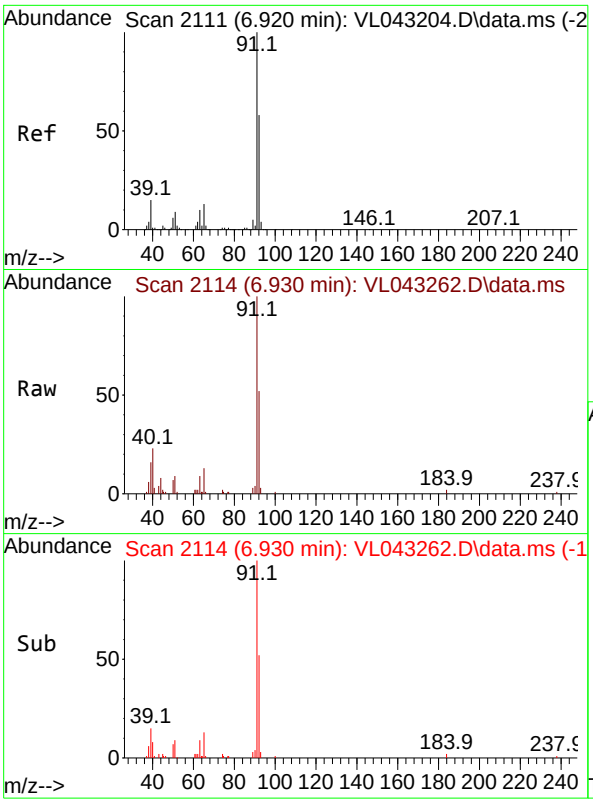


#52
Tetrachloroethene
Concen: 29.432 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:164 Resp: 292708

Ion	Ratio	Lower	Upper
164	100		
166	127.6	99.4	149.2
129	107.8	81.8	122.8
131	97.3	77.4	116.2



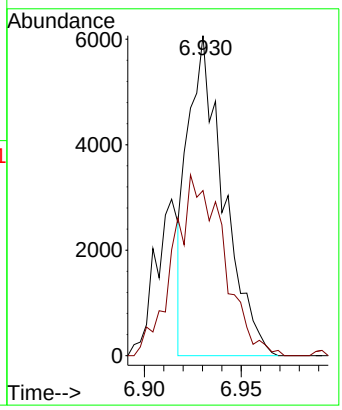


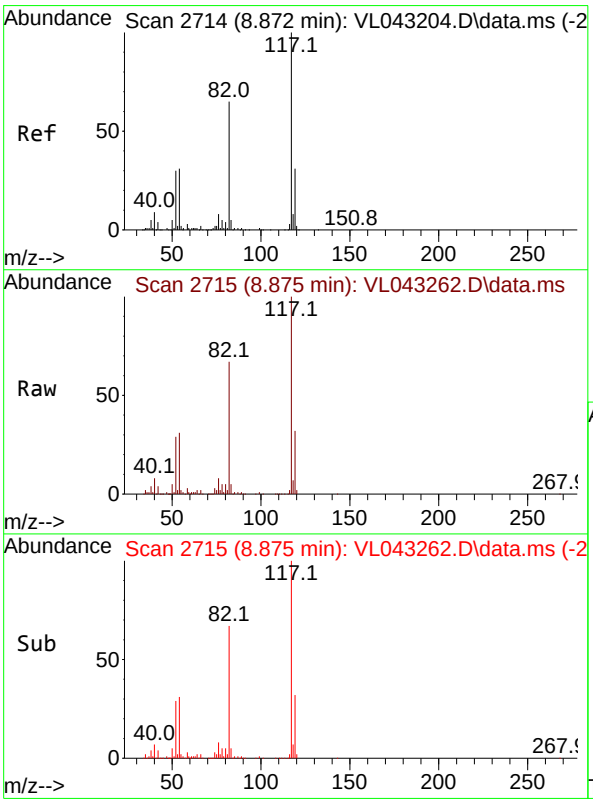
#53
Toluene
Concen: 0.246 ppbv
RT: 6.930 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 7801

Ion	Ratio	Lower	Upper
91	100		
92	79.3	47.4	71.0#

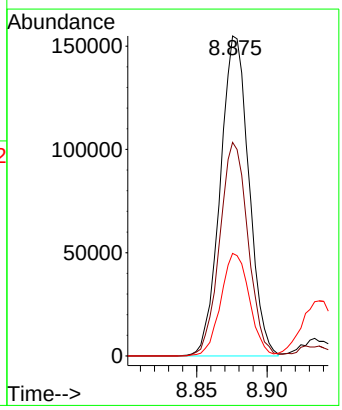


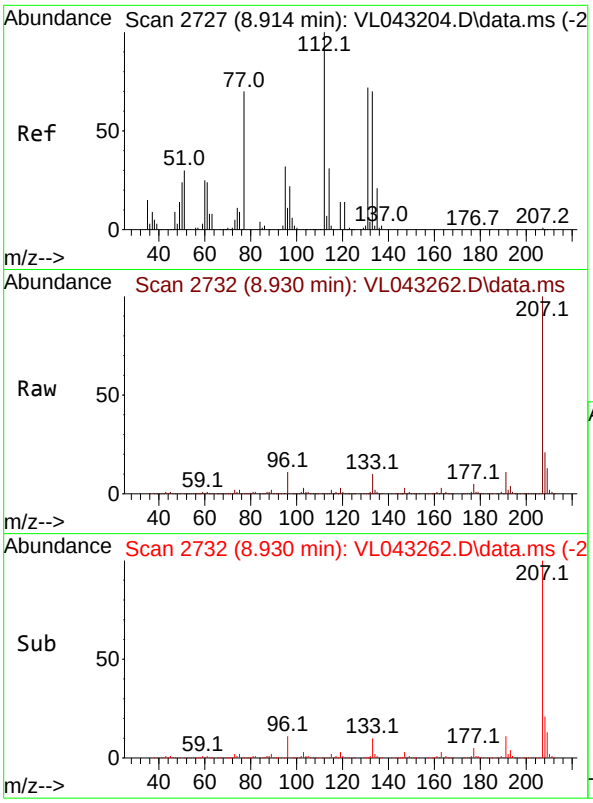


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:117 Resp: 219347

Ion	Ratio	Lower	Upper
117	100		
82	66.1	56.1	84.1
119	31.9	25.0	37.6



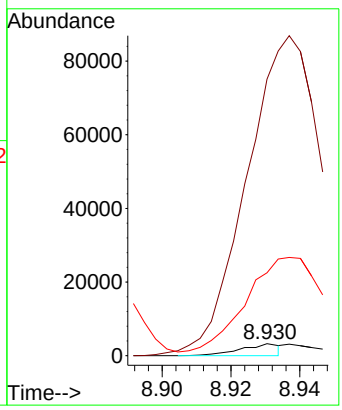


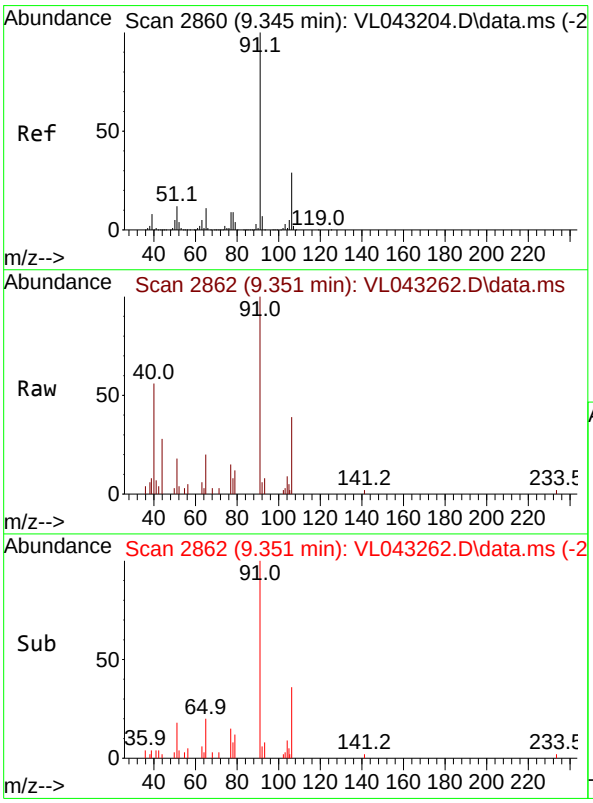
#56
1,1,1,2-Tetrachloroethane
Concen: 0.159 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:131 Resp: 2562

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.4	116.2#
119	2728.8	49.1	73.7#

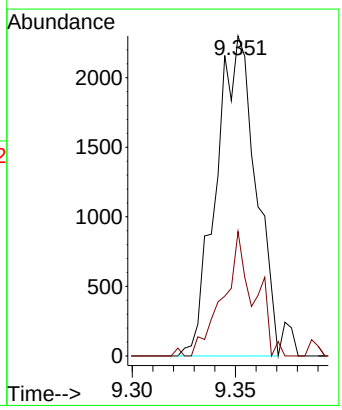


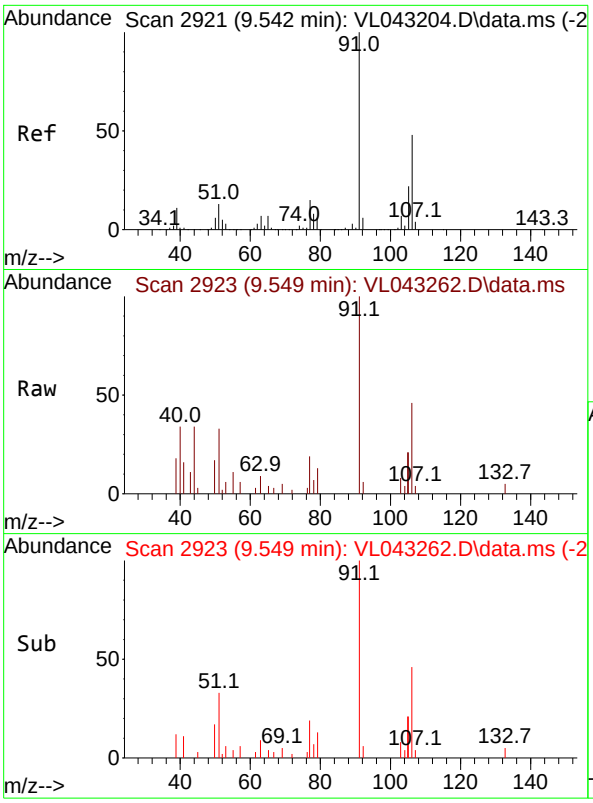


#58
Ethyl Benzene
Concen: 0.073 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 91 Resp: 3081

Ion	Ratio	Lower	Upper
91	100		
106	36.5	22.8	34.2#



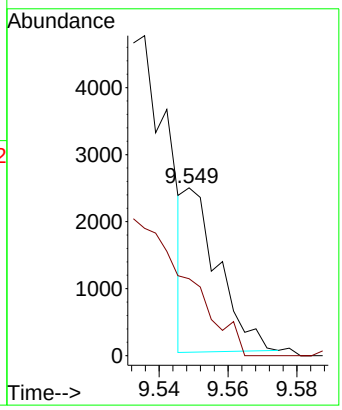


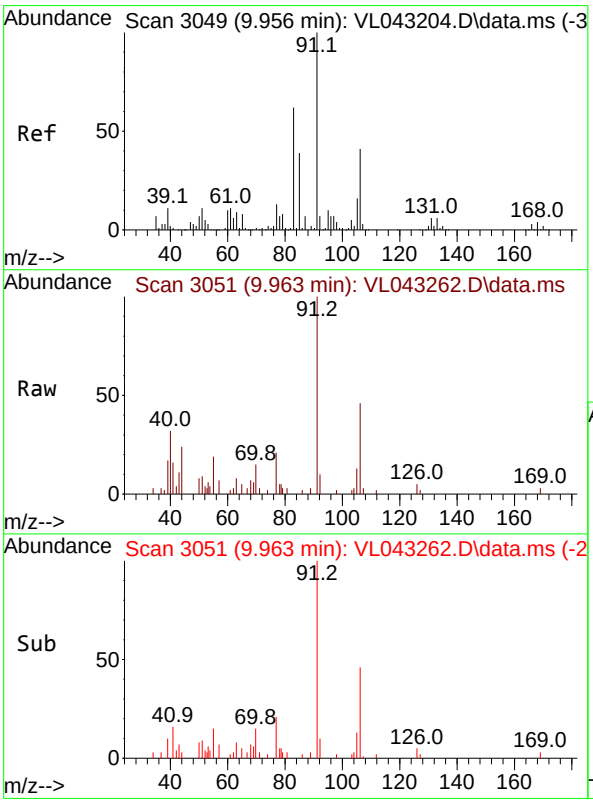
#59
m/p-Xylene
Concen: 0.049 ppbv
RT: 9.549 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 1664

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

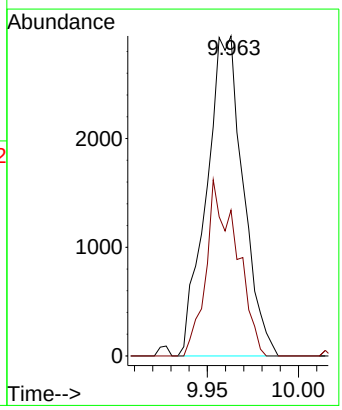


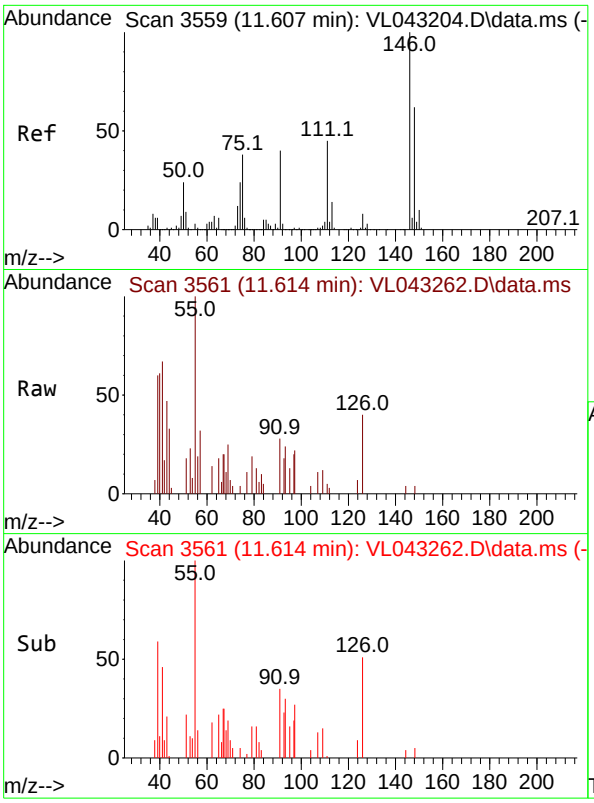


#60
o-Xylene
Concen: 0.122 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion: 91 Resp: 4116

Ion	Ratio	Lower	Upper
91	100		
106	45.8	20.9	62.8



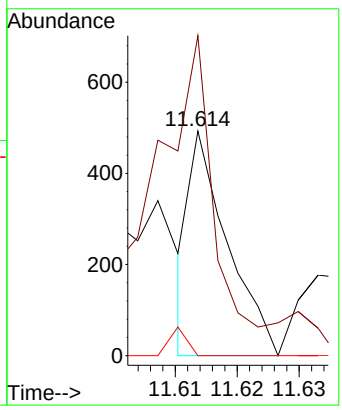


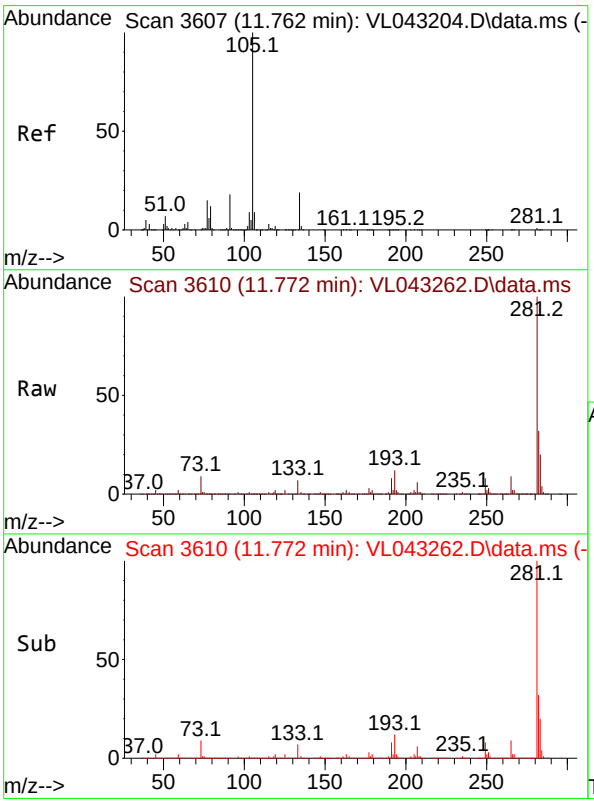
#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 11.614 min Scan# 3
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 91 Resp: 211

Ion	Ratio	Lower	Upper
91	100		
126	336.5	14.4	21.6#
128	0.0	4.6	6.8#

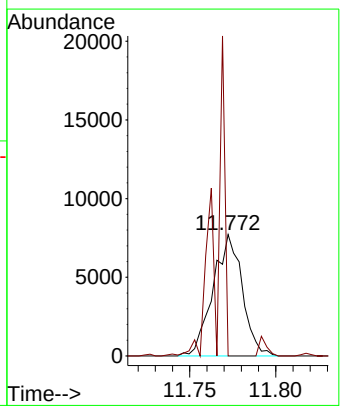


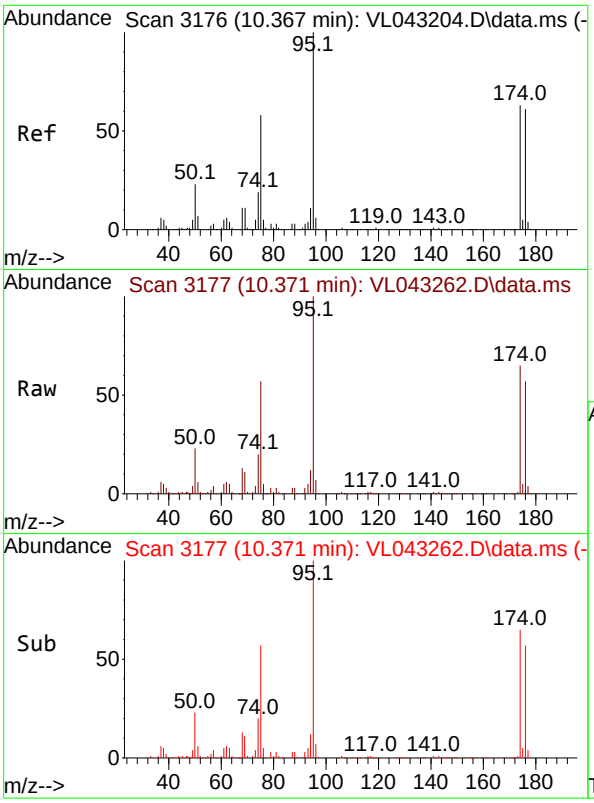


#67
sec-Butylbenzene
Concen: 0.121 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.010 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:105 Resp: 9138

Ion	Ratio	Lower	Upper
105	100		
134	83.6	15.0	22.6#



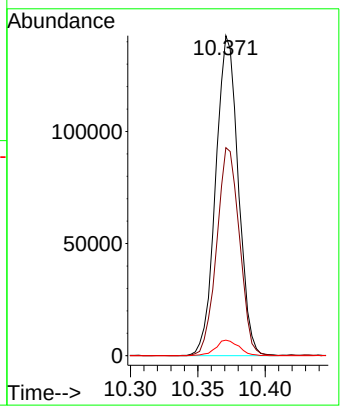


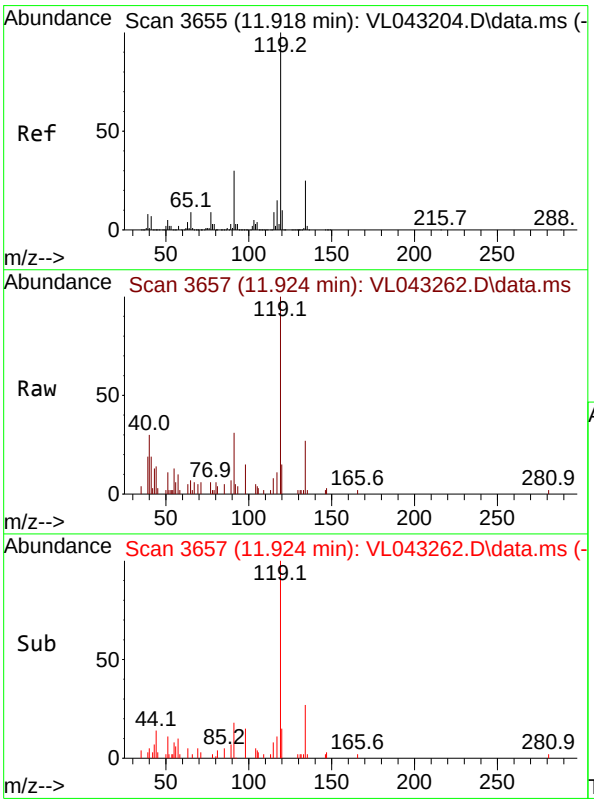
#68
1-Bromo-4-Fluorobenzene
Concen: 10.329 ppbv
RT: 10.371 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion: 95 Resp: 166068

Ion	Ratio	Lower	Upper
95	100		
174	65.7	50.2	75.2
175	5.0	4.1	6.1

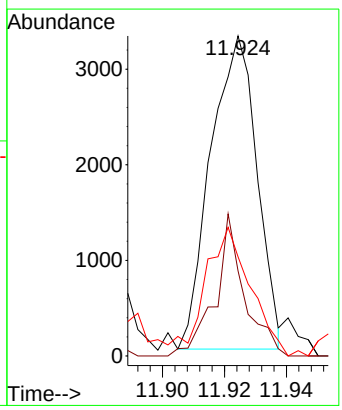


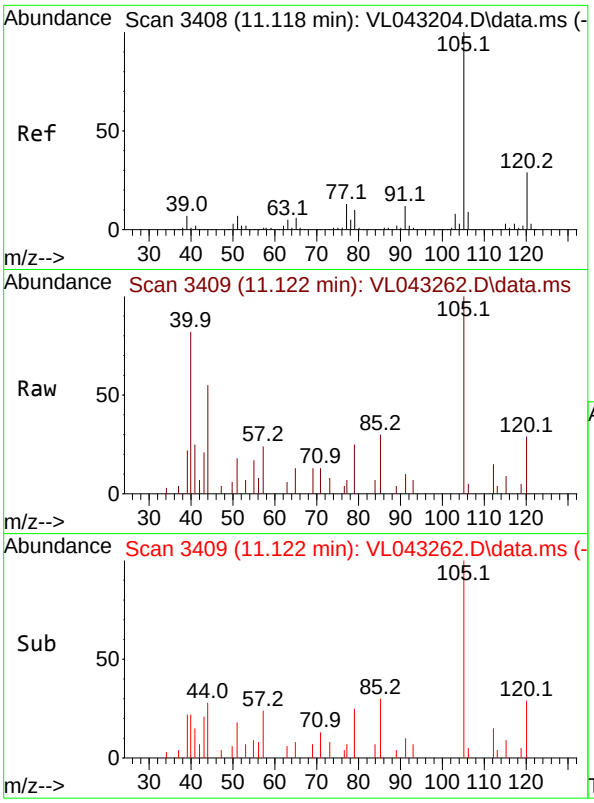


#69
p-Isopropyltoluene
Concen: 0.053 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:119 Resp: 3400

Ion	Ratio	Lower	Upper
119	100		
134	28.6	20.2	30.2
91	38.4	23.8	35.8#



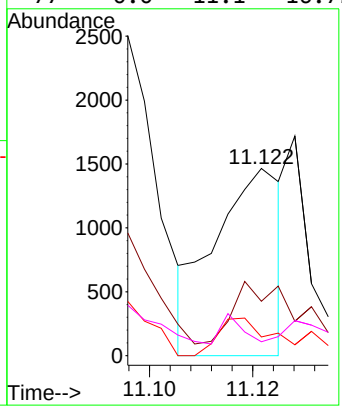


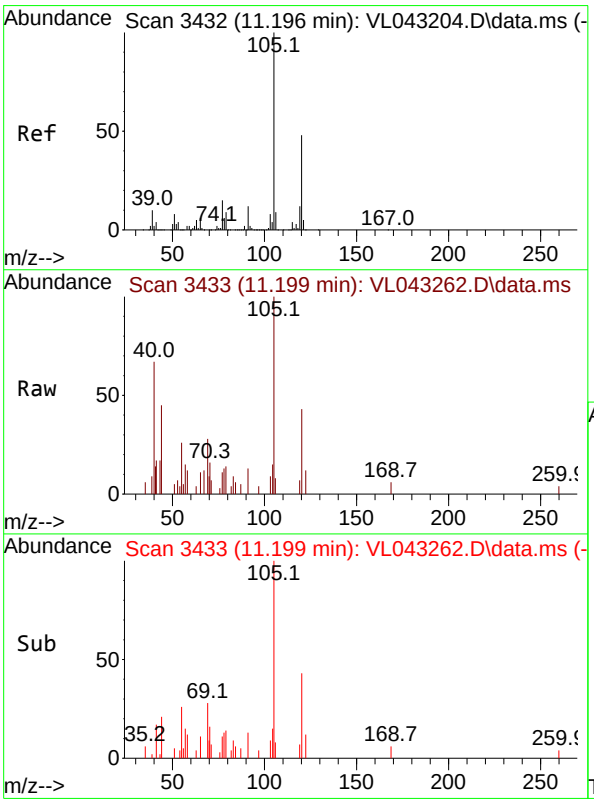
#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 11.122 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:105 Resp: 1314

Ion	Ratio	Lower	Upper
105	100		
120	43.6	23.8	35.8#
91	20.0	10.3	15.5#
77	0.0	11.1	16.7#

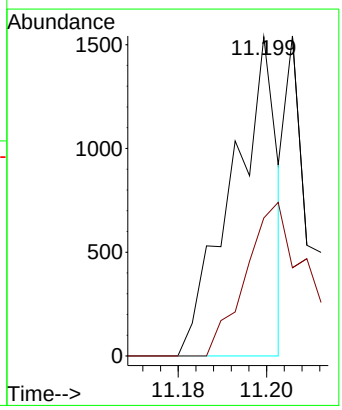


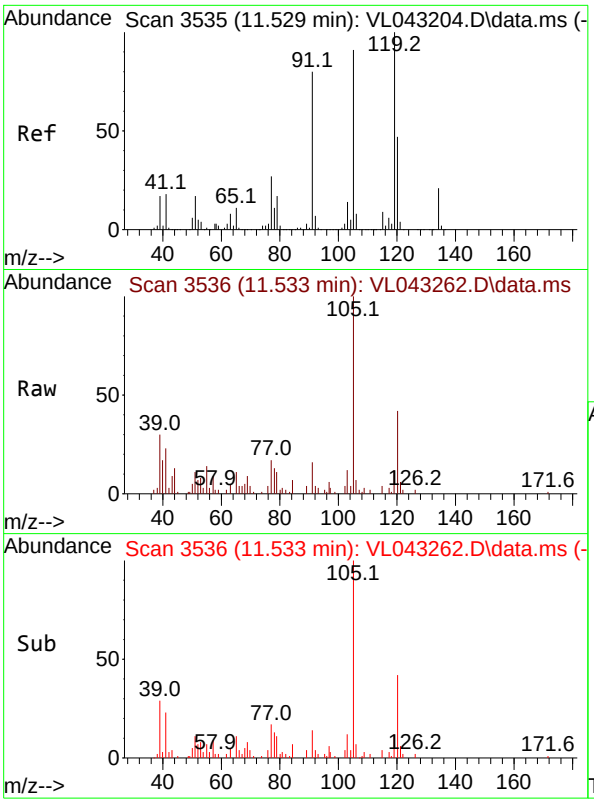


#73
1,3,5-Trimethylbenzene
Concen: 0.031 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:105 Resp: 1084

Ion	Ratio	Lower	Upper
105	100		
120	43.2	38.6	57.8



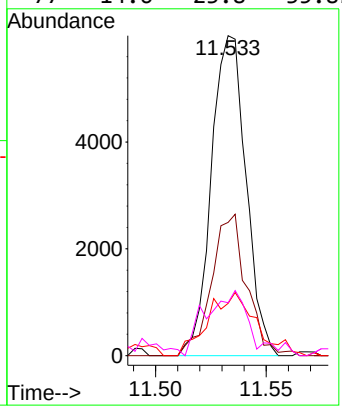


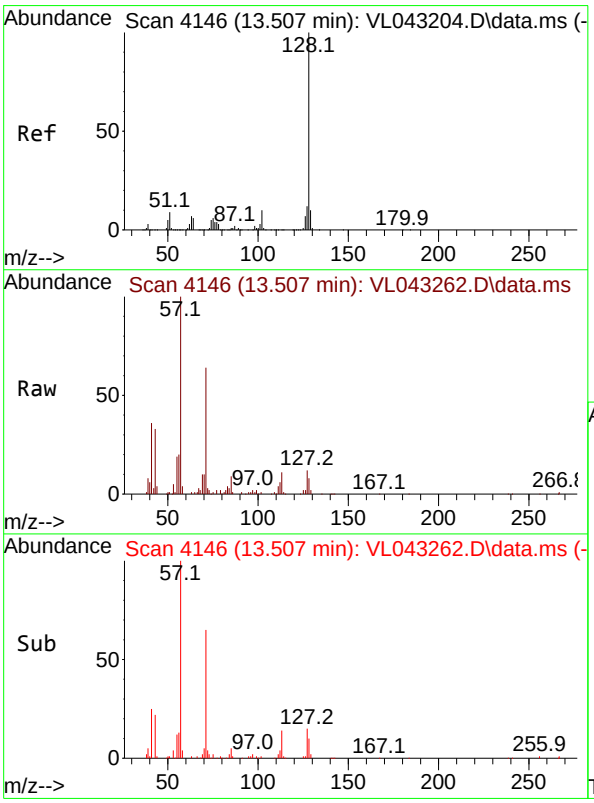
#74
1,2,4-Trimethylbenzene
Concen: 0.173 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:105 Resp: 6527

Ion	Ratio	Lower	Upper
105	100		
120	41.6	41.7	62.5#
91	16.3	70.0	105.0#
77	14.6	23.8	35.8#

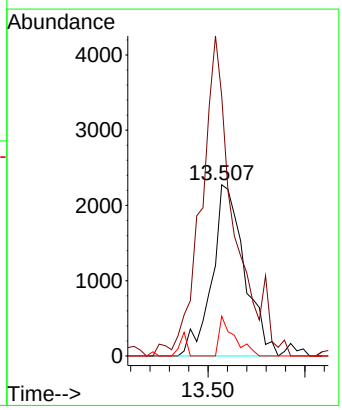


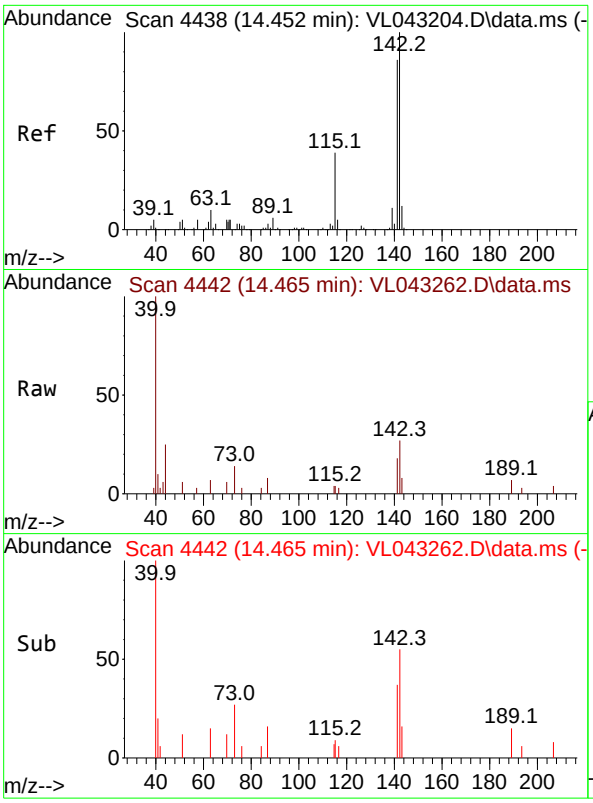


#79
Naphthalene
Concen: 0.079 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. 0.000 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:128 Resp: 2642

Ion	Ratio	Lower	Upper
128	100		
127	146.7	9.9	14.9#
129	23.2	8.4	12.6#



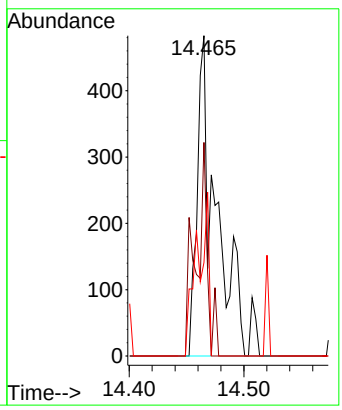


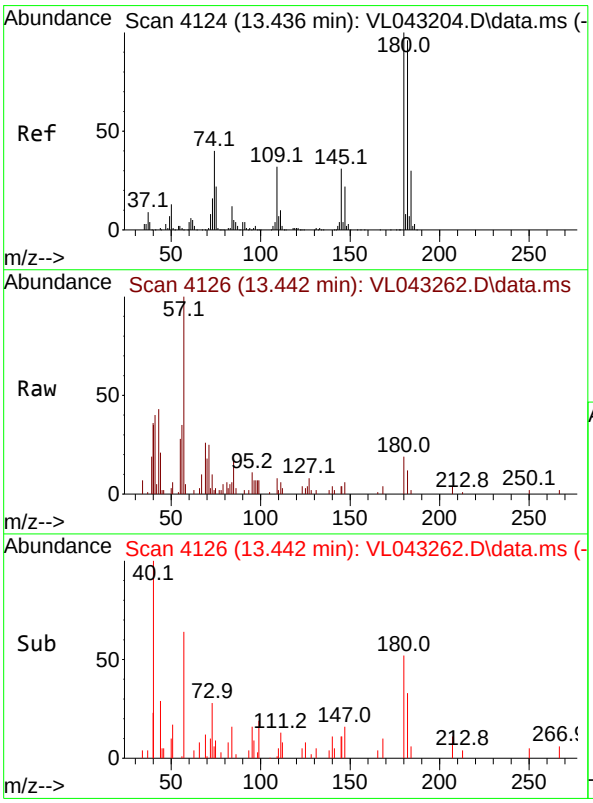
#80
Naphthalene,2-methyl-
Concen: 0.065 ppbv
RT: 14.465 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Instrument :
MSVOA_L
ClientSampleId :
SG-2

Tgt Ion:142 Resp: 570

Ion	Ratio	Lower	Upper
142	100		
141	38.9	67.1	100.7#
115	30.4	31.9	47.9#

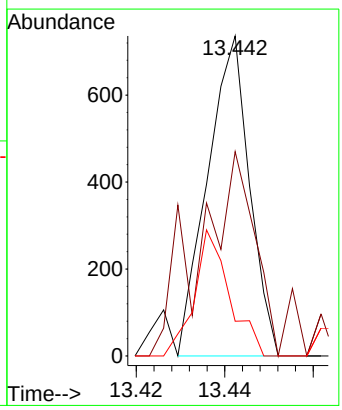




#81
1,2,4-Trichlorobenzene
Concen: 0.032 ppbv
RT: 13.442 min Scan# 4126
Delta R.T. 0.007 min
Lab File: VL043262.D
Acq: 20 Nov 2025 13:24

Tgt Ion:180 Resp: 485

Ion	Ratio	Lower	Upper
180	100		
182	104.5	77.4	116.2
184	40.2	24.2	36.4#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043263.D
Acq On : 20 Nov 2025 13:58
Operator : SY/MD
Sample : Q3655-03 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Quant Time: Nov 21 00:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

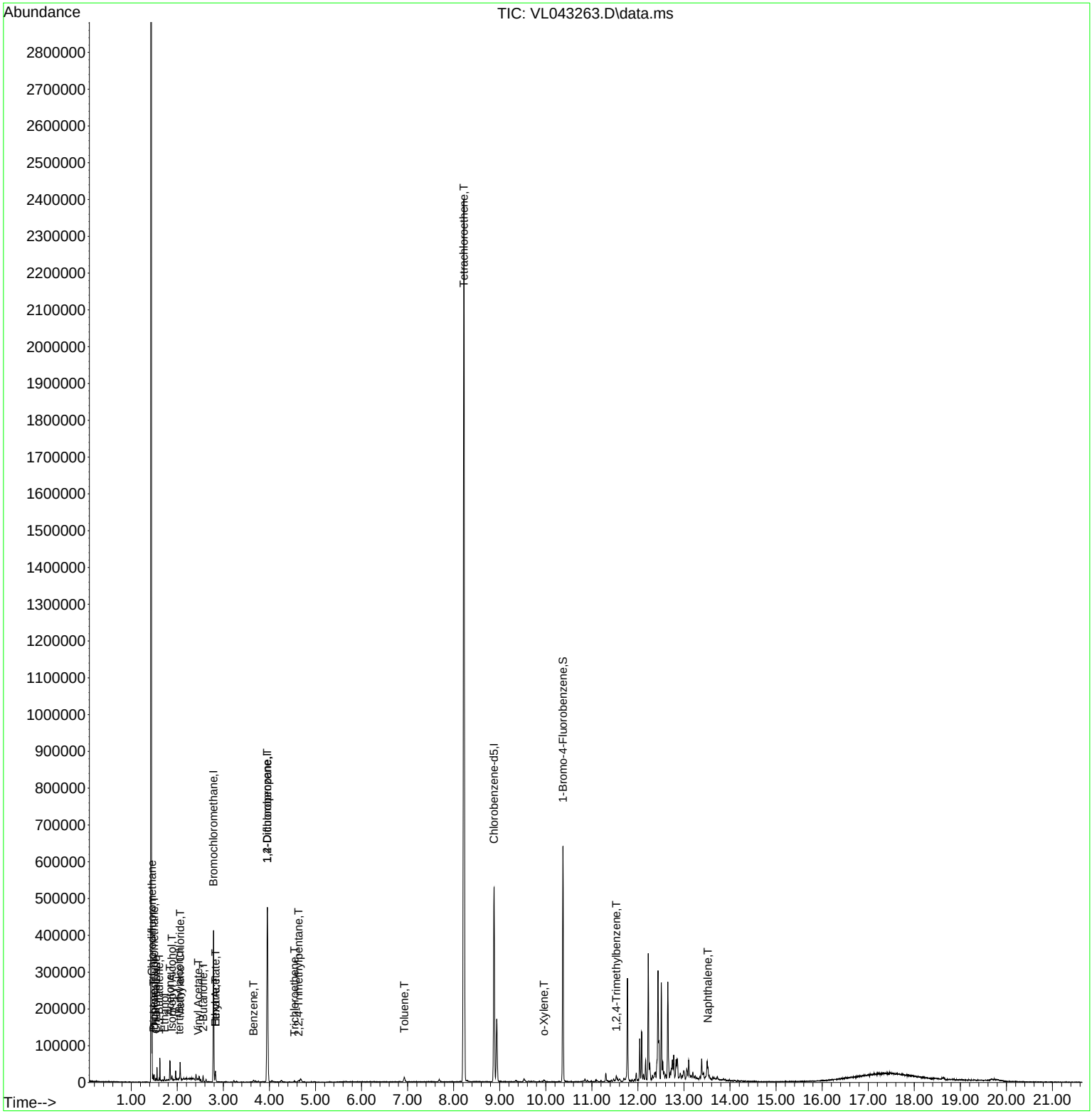
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.787	49	106133	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	277609	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	213831	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	155552	9.924	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	3994	0.267	ppbv	97
3) Chlorodifluoromethane	1.451	51	10548	0.717	ppbv #	67
4) Chloromethane	1.535	50	1928	0.344	ppbv	99
9) Propene	1.486	41	1264	0.202	ppbv #	1
13) Ethanol	1.722	45	3804	1.730	ppbv #	38
15) Acetone	1.839	43	25935	1.759	ppbv	94
16) 1,3-Butadiene	1.603	39	837	0.127	ppbv #	12
17) tert-Butyl alcohol	2.043	59	862	0.045	ppbv #	71
19) Isopropyl Alcohol	1.884	45	2937	0.352	ppbv #	1
20) Methylene Chloride	2.062	84	7004	0.898	ppbv	93
23) Vinyl Acetate	2.454	43	2512	0.141	ppbv #	83
25) Ethyl Acetate	2.829	43	5507	0.173	ppbv #	85
26) Hexane	2.829	57	5946	0.426	ppbv #	46
34) 2-Butanone	2.561	43	9638	0.492	ppbv	93
36) Benzene	3.655	78	2355	0.089	ppbv #	55
38) Trichloroethene	4.545	130	326	0.031	ppbv #	57
39) 1,2-Dichloropropane	3.956	63	69599	7.153	ppbv #	24
44) 2,2,4-Trimethylpentane	4.635	57	1624	0.036	ppbv #	1
52) Tetrachloroethene	8.222	164	422485	42.721	ppbv	98
53) Toluene	6.927	91	4588	0.146	ppbv #	41
60) o-Xylene	9.960	91	1826	0.055	ppbv	75
74) 1,2,4-Trimethylbenzene	11.533	105	3583	0.097	ppbv #	51
79) Naphthalene	13.517	128	1145	0.035	ppbv #	7

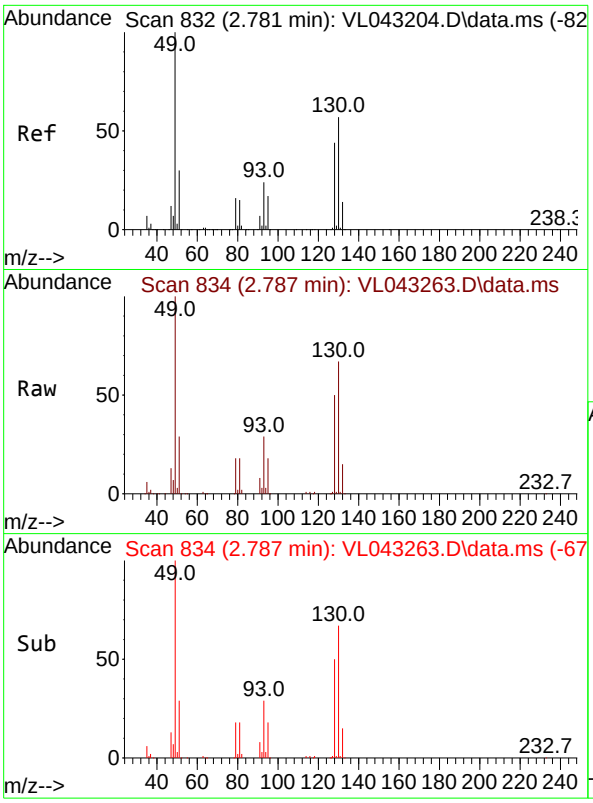
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043263.D
Acq On : 20 Nov 2025 13:58
Operator : SY/MD
Sample : Q3655-03 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Quant Time: Nov 21 00:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



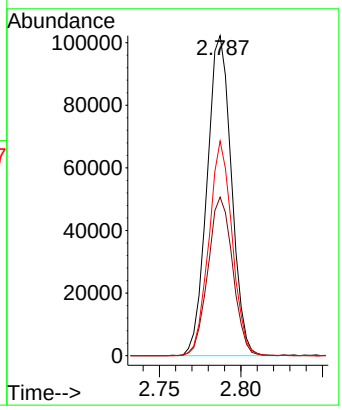


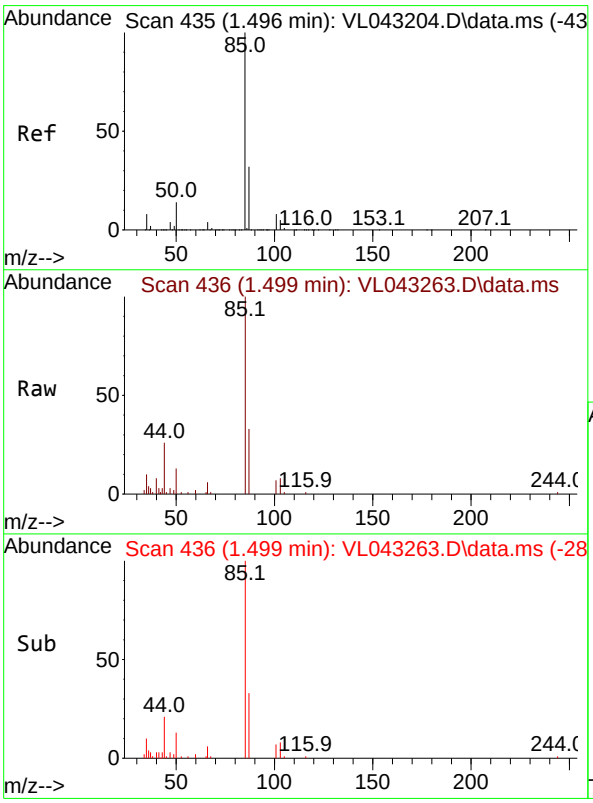
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 8
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 49 Resp: 106133

Ion	Ratio	Lower	Upper
49	100		
128	50.3	23.0	69.0
130	64.4	29.9	89.7

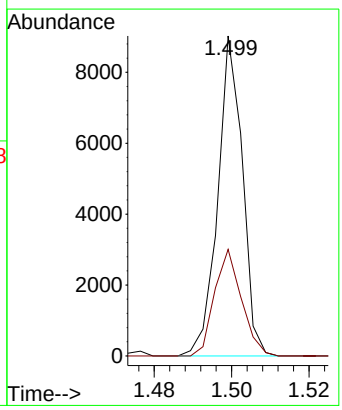


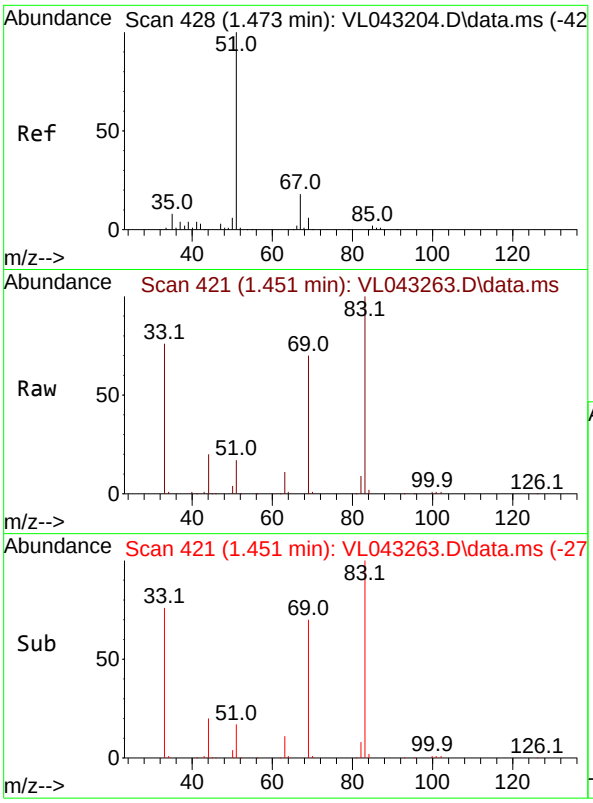


#2
Dichlorodifluoromethane
Concen: 0.267 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 85 Resp: 3994

Ion	Ratio	Lower	Upper
85	100		
87	33.3	25.4	38.2



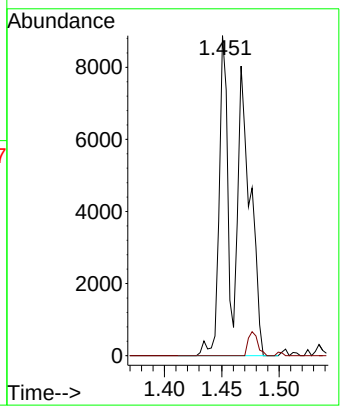


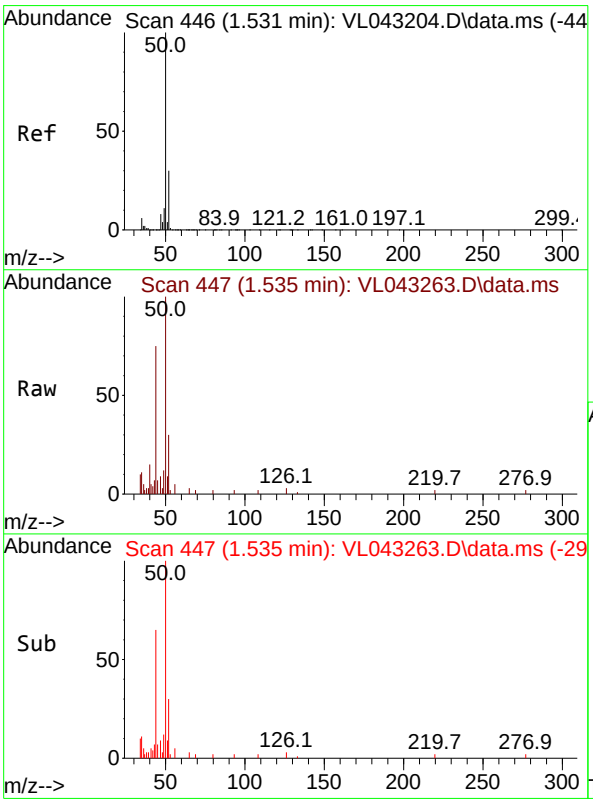
#3
Chlorodifluoromethane
Concen: 0.717 ppbv
RT: 1.451 min Scan# 4
Delta R.T. -0.023 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 51 Resp: 10548

Ion	Ratio	Lower	Upper
51	100		
67	3.9	14.9	22.3#

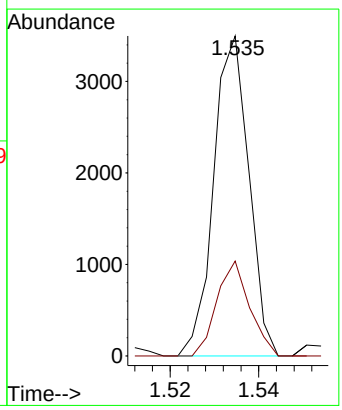


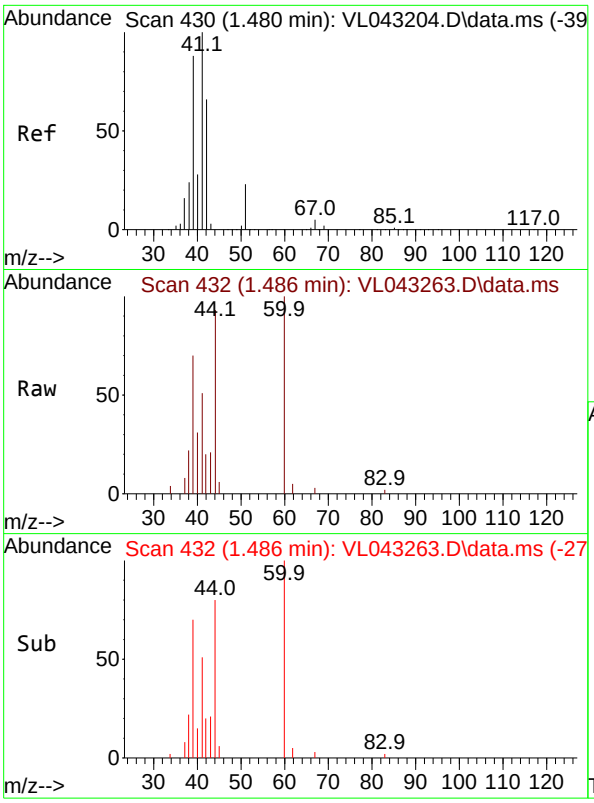


#4
Chloromethane
Concen: 0.344 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 50 Resp: 1928

Ion	Ratio	Lower	Upper
50	100		
52	29.7	24.1	36.1



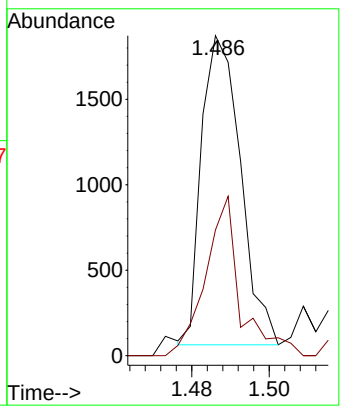


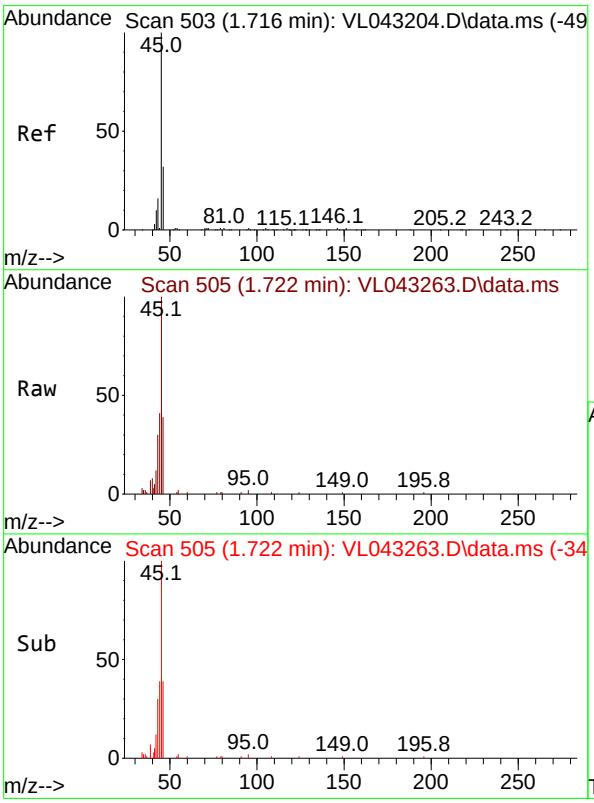
#9
Propene
Concen: 0.202 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 41 Resp: 1264

Ion	Ratio	Lower	Upper
41	100		
42	50.0	3.7	5.5#

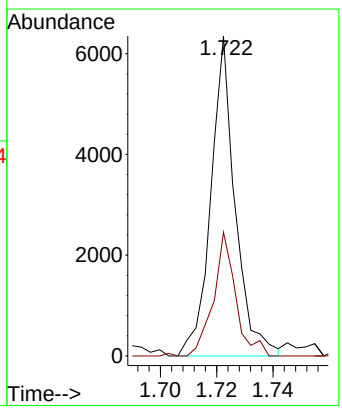


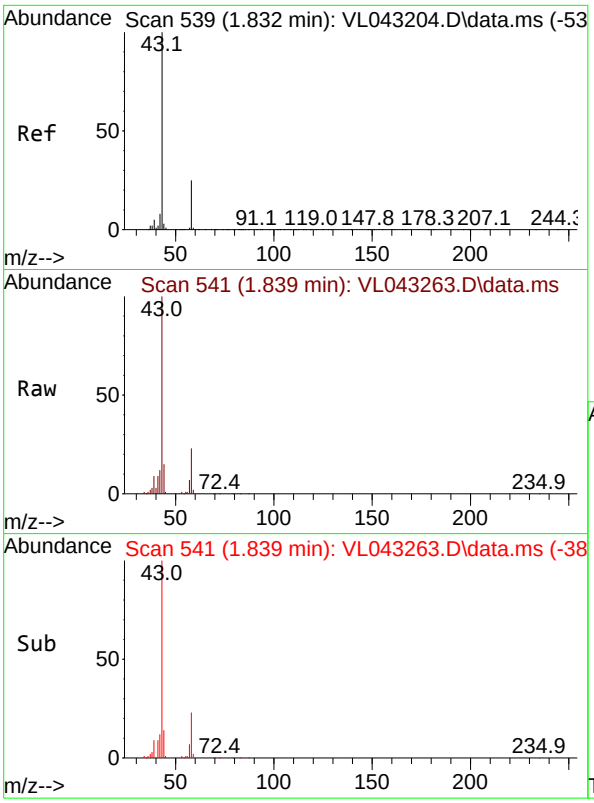


#13
Ethanol
Concen: 1.730 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 45 Resp: 3804

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#



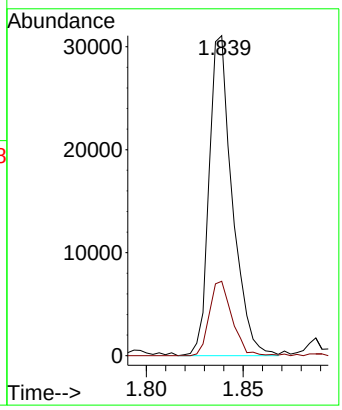


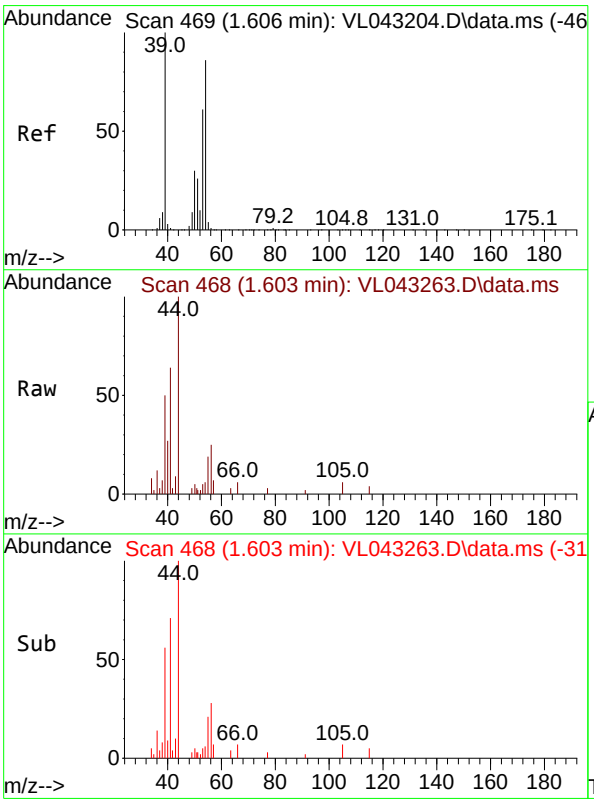
#15
Acetone
Concen: 1.759 ppbv
RT: 1.839 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 43 Resp: 25935

Ion	Ratio	Lower	Upper
43	100		
58	22.7	20.7	31.1

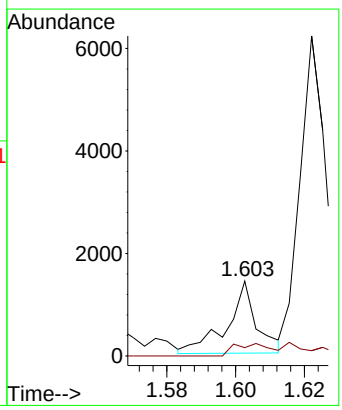


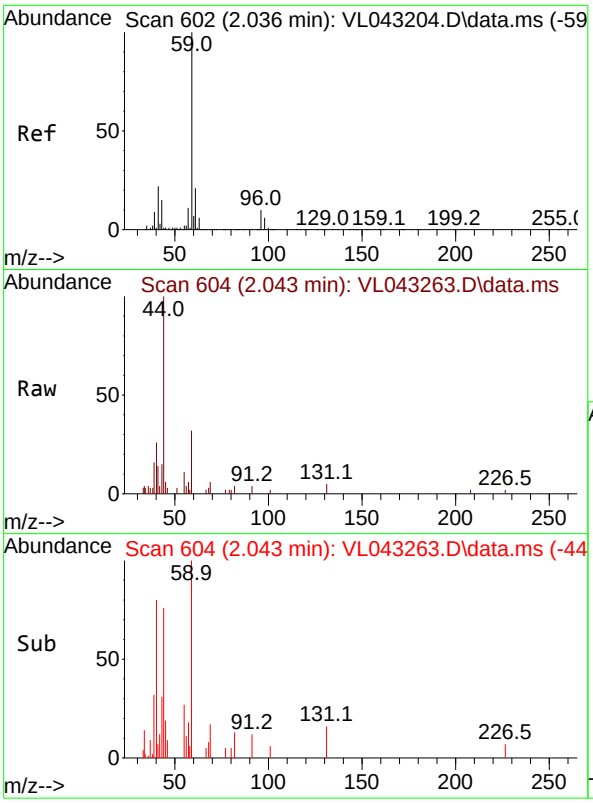


#16
1,3-Butadiene
Concen: 0.127 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 39 Resp: 837

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#



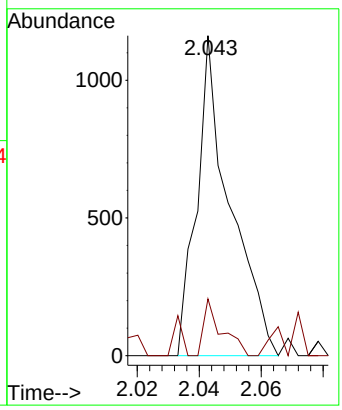


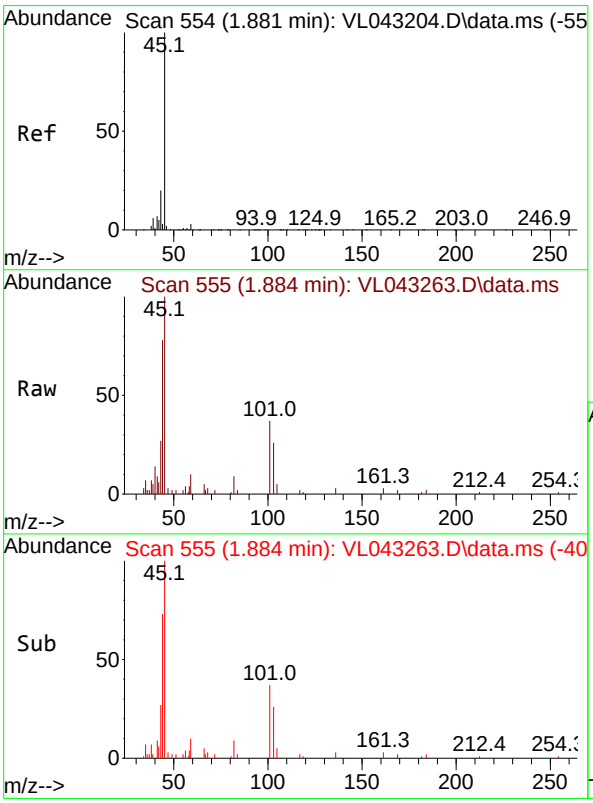
#17
tert-Butyl alcohol
Concen: 0.045 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 59 Resp: 862

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

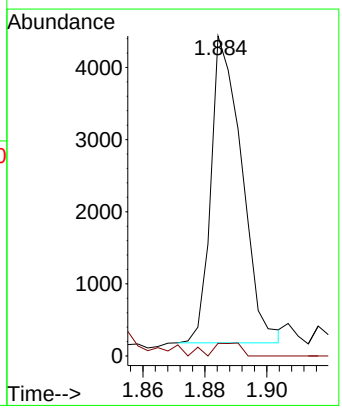


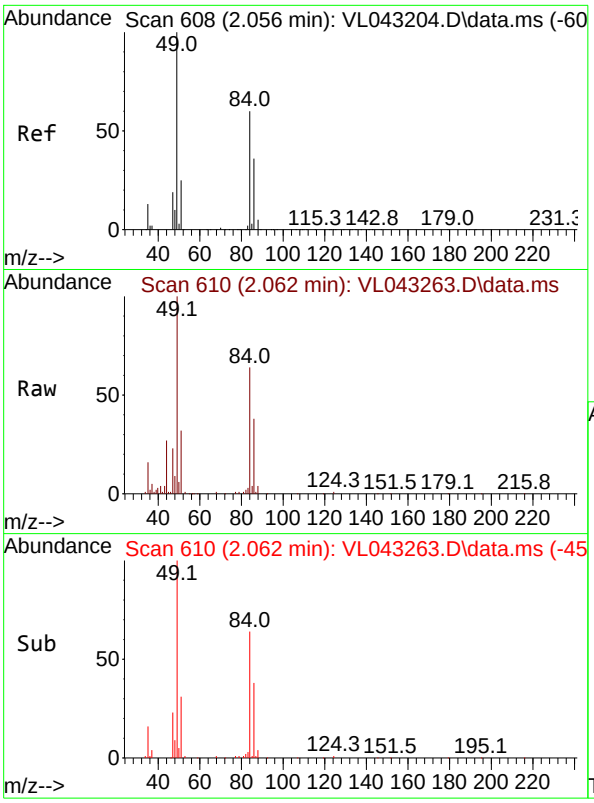


#19
Isopropyl Alcohol
Concen: 0.352 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 45 Resp: 2937

Ion	Ratio	Lower	Upper
45	100		
58	200.1	31.3	46.9#



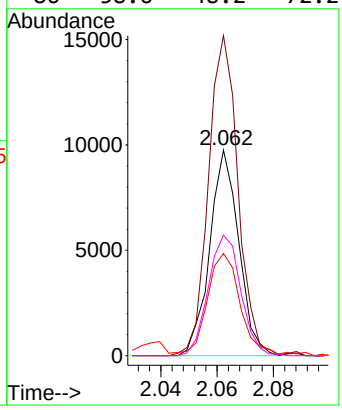


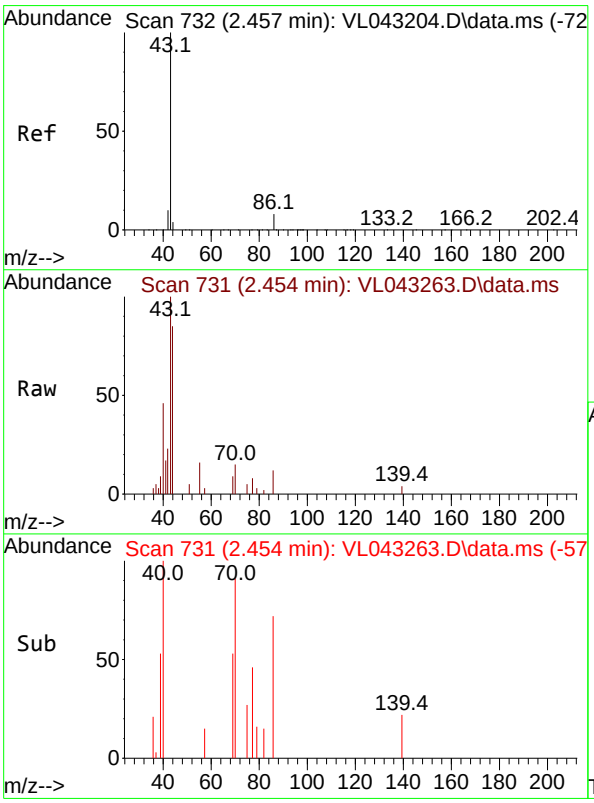
#20
Methylene Chloride
Concen: 0.898 ppbv
RT: 2.062 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 84 Resp: 7004

Ion	Ratio	Lower	Upper
84	100		
49	155.1	132.9	199.3
51	48.8	34.8	52.2
86	58.6	48.2	72.2

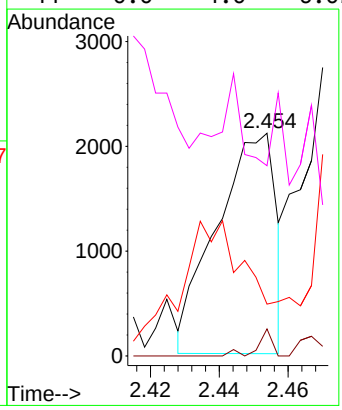


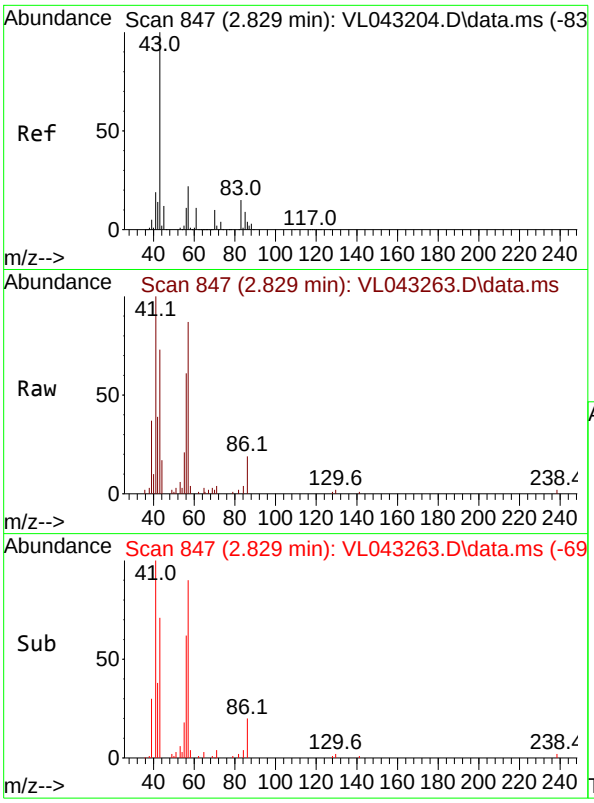


#23
Vinyl Acetate
Concen: 0.141 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 43 Resp: 2512

Ion	Ratio	Lower	Upper
43	100		
86	13.7	6.2	9.2#
42	3.7	8.0	12.0#
44	0.0	4.0	6.0#



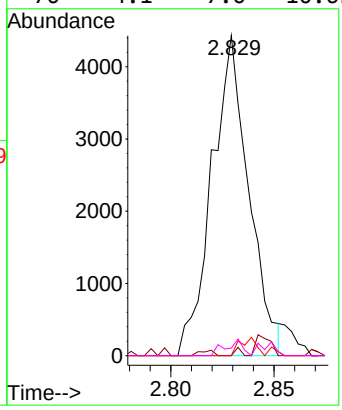


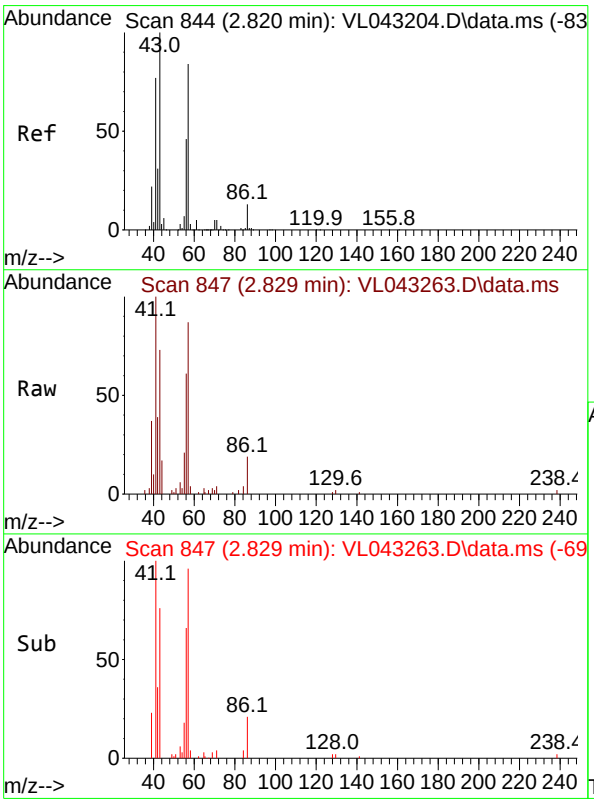
#25
Ethyl Acetate
Concen: 0.173 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.000 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 43 Resp: 5507

Ion	Ratio	Lower	Upper
43	100		
45	3.6	8.1	12.1#
61	3.1	7.0	10.4#
70	4.1	7.0	10.6#

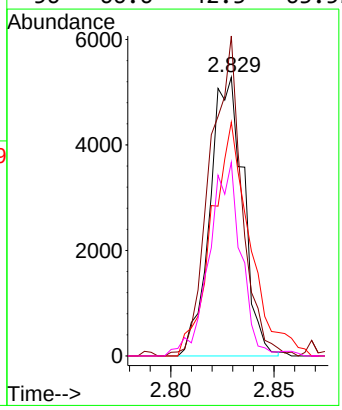


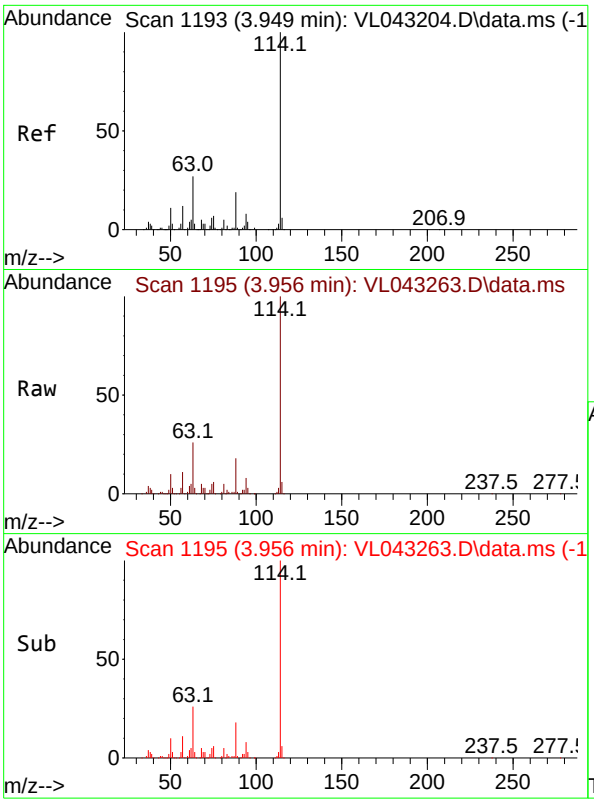


#26
Hexane
Concen: 0.426 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 57 Resp: 5946

Ion	Ratio	Lower	Upper
57	100		
41	110.5	74.6	111.8
43	98.4	179.0	268.4#
56	66.6	42.3	63.5#



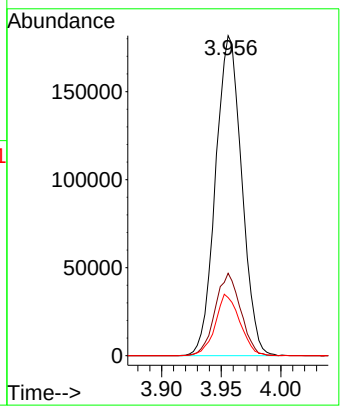


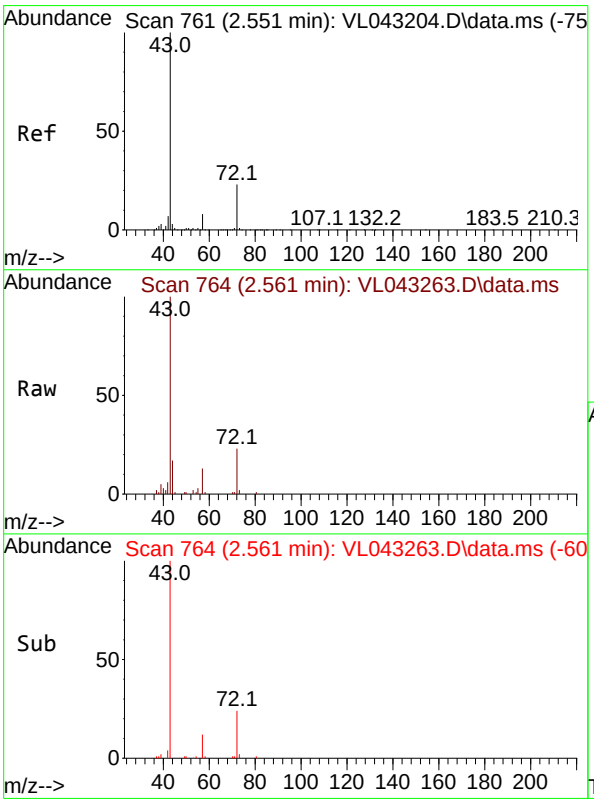
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion:114 Resp: 277609

Ion	Ratio	Lower	Upper
114	100		
63	25.1	21.0	31.6
88	18.1	14.9	22.3

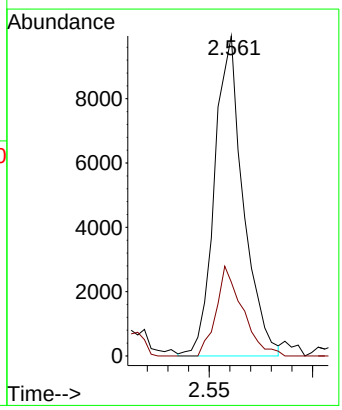


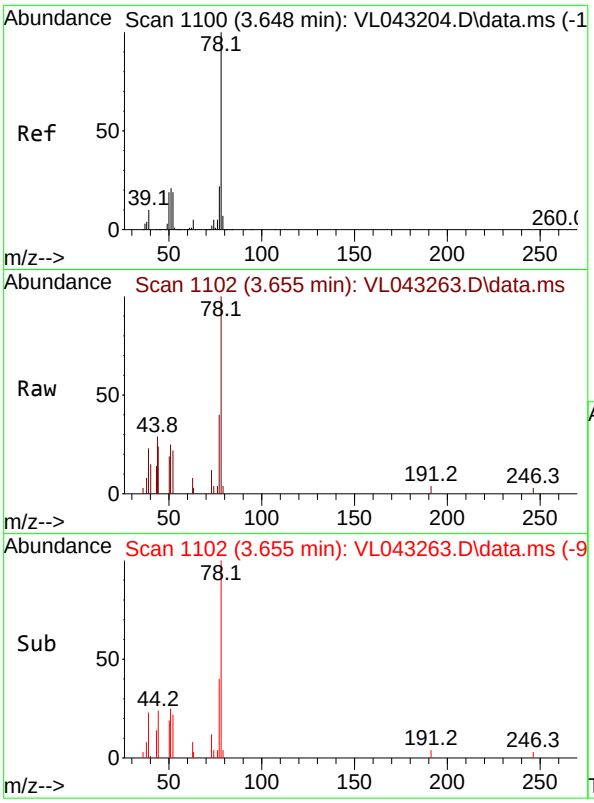


#34
2-Butanone
Concen: 0.492 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 43 Resp: 9638

Ion	Ratio	Lower	Upper
43	100		
72	25.8	18.1	27.1



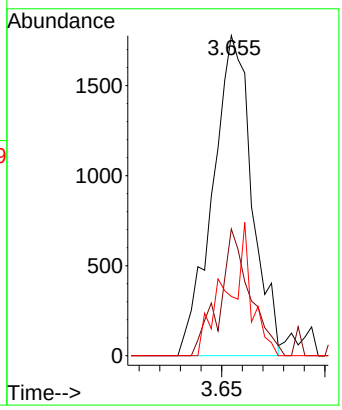


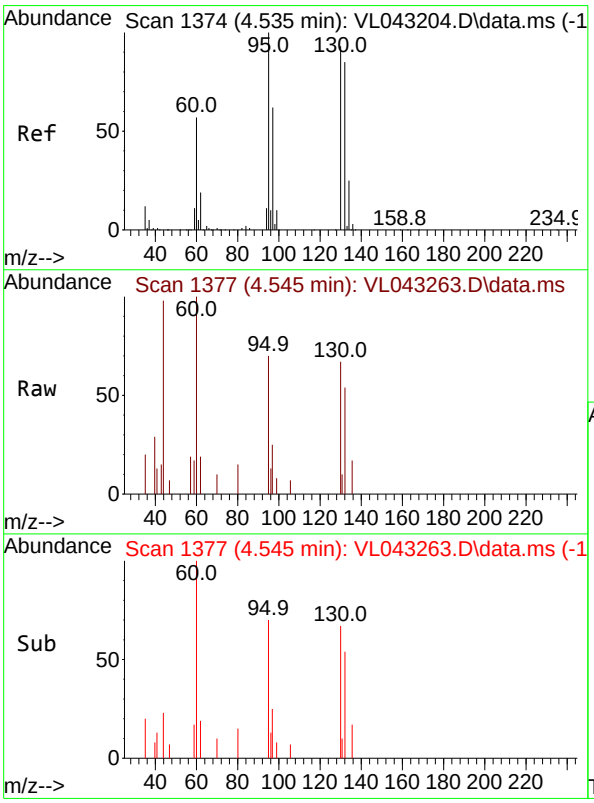
#36
Benzene
Concen: 0.089 ppbv
RT: 3.655 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 78 Resp: 2355

Ion	Ratio	Lower	Upper
78	100		
77	39.6	17.5	26.3#
50	43.8	15.5	23.3#

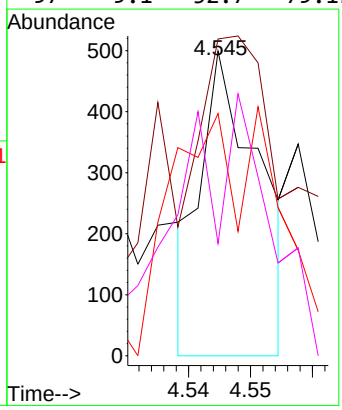


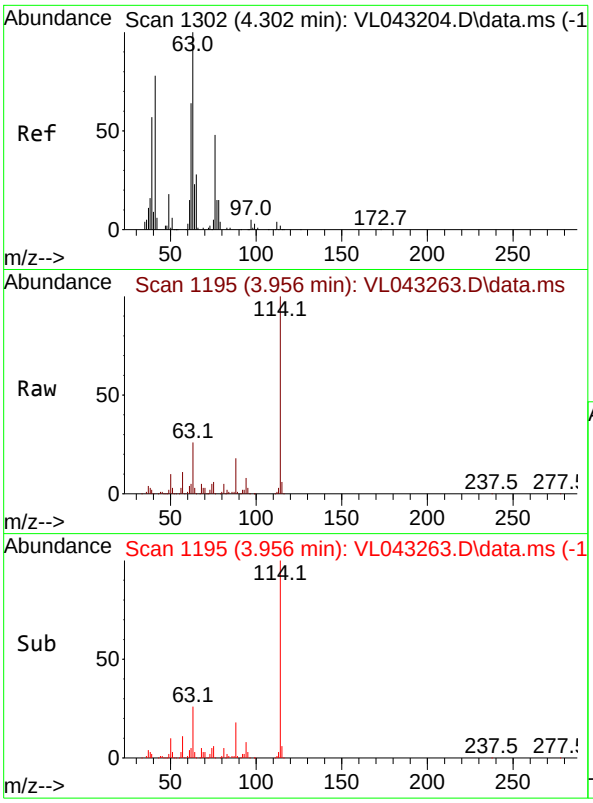


#38
Trichloroethene
Concen: 0.031 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:130 Resp: 326

Ion	Ratio	Lower	Upper
130	100		
95	87.7	85.7	128.5
132	43.9	73.4	110.0#
97	9.1	52.7	79.1#



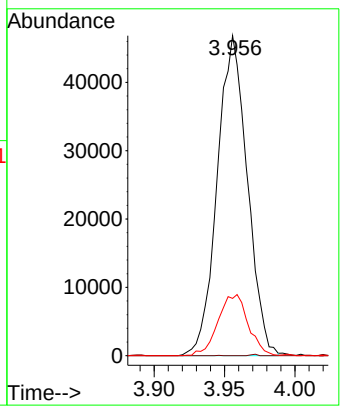


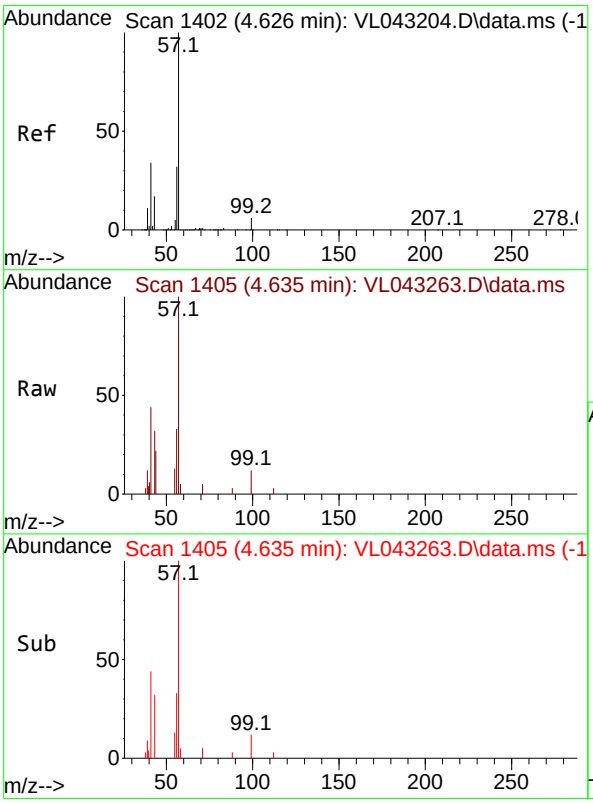
#39
1,2-Dichloropropane
Concen: 7.153 ppbv
RT: 3.956 min Scan# 1
Delta R.T. -0.346 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 63 Resp: 69599

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	93.8#
62	17.9	51.0	76.6#

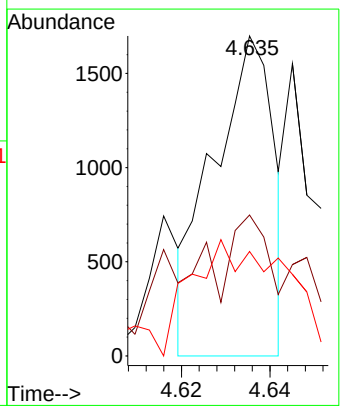


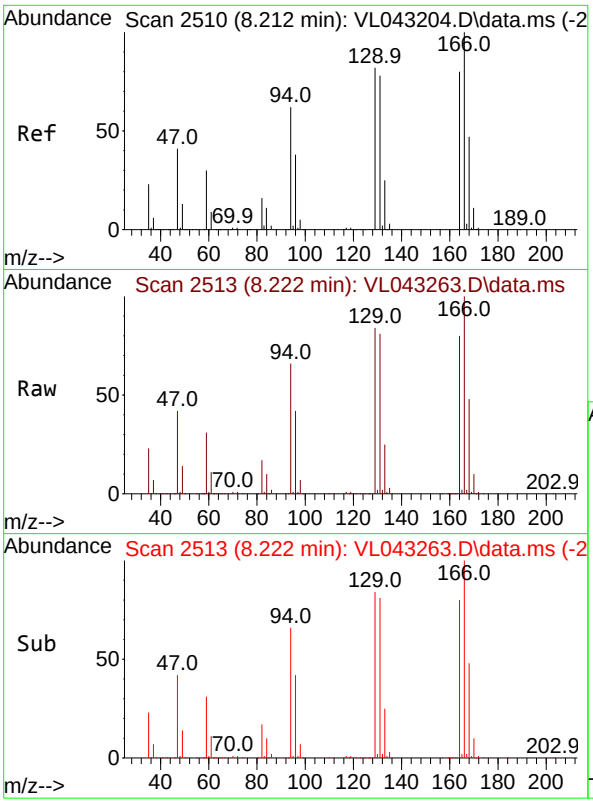


#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 57 Resp: 1624

Ion	Ratio	Lower	Upper
57	100		
41	99.6	28.0	42.0#
56	79.6	25.6	38.4#



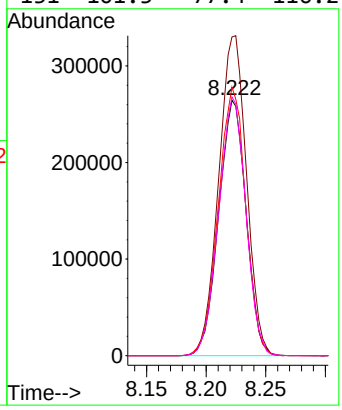


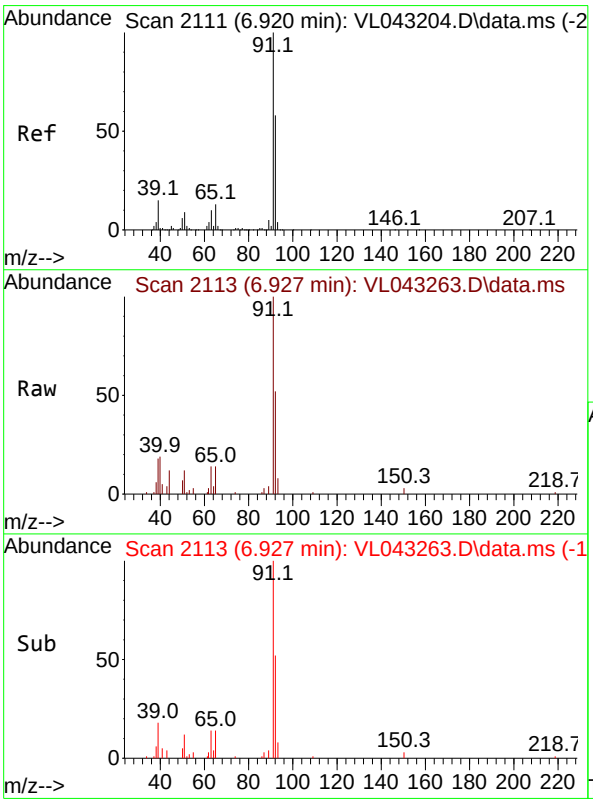
#52
Tetrachloroethene
Concen: 42.721 ppbv
RT: 8.222 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion:164 Resp: 422485

Ion	Ratio	Lower	Upper
164	100		
166	124.8	99.4	149.2
129	105.2	81.8	122.8
131	101.3	77.4	116.2

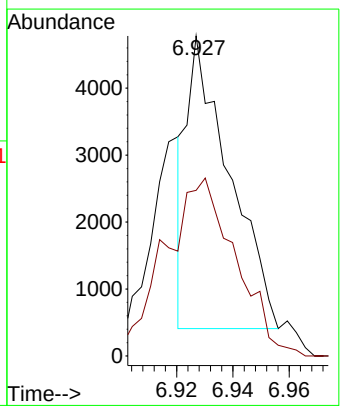


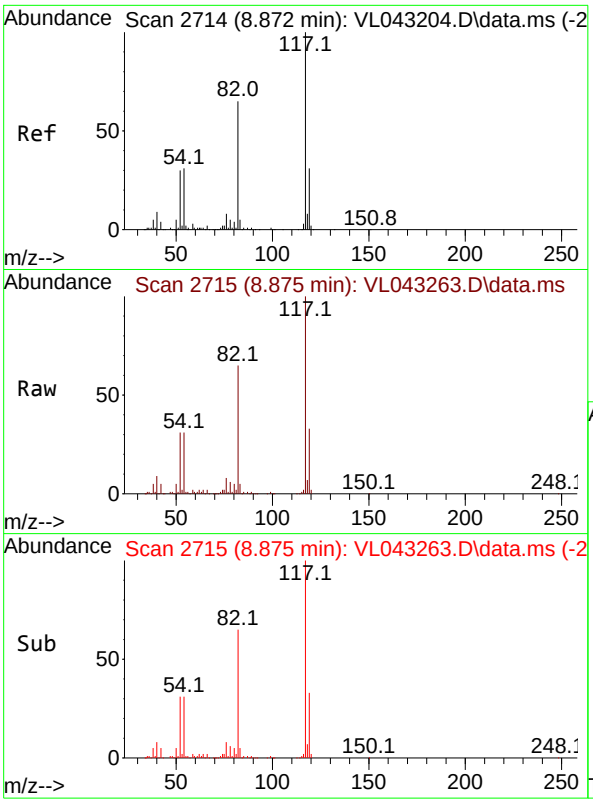


#53
Toluene
Concen: 0.146 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 91 Resp: 4588

Ion	Ratio	Lower	Upper
91	100		
92	103.2	47.4	71.0#



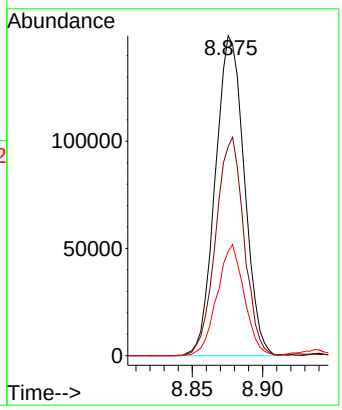


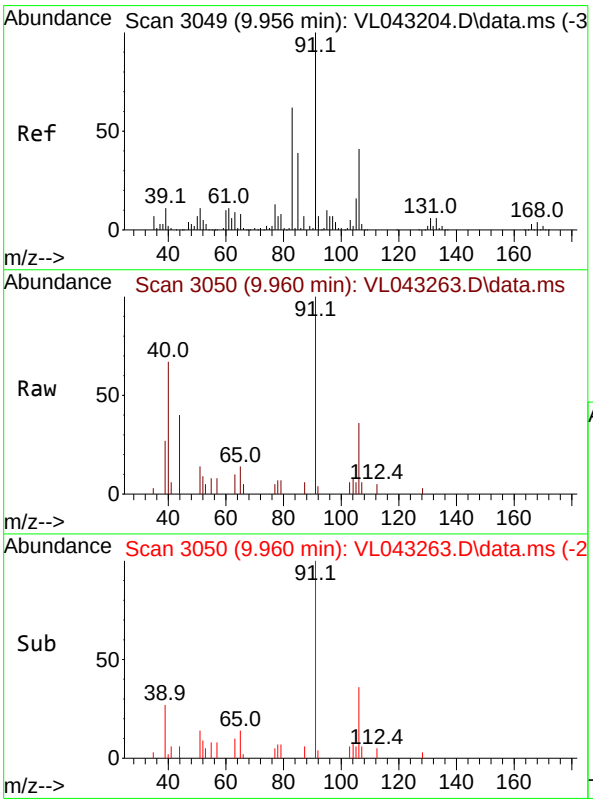
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion:117 Resp: 213831

Ion	Ratio	Lower	Upper
117	100		
82	66.9	56.1	84.1
119	32.7	25.0	37.6

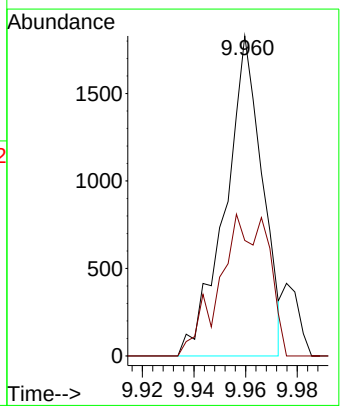


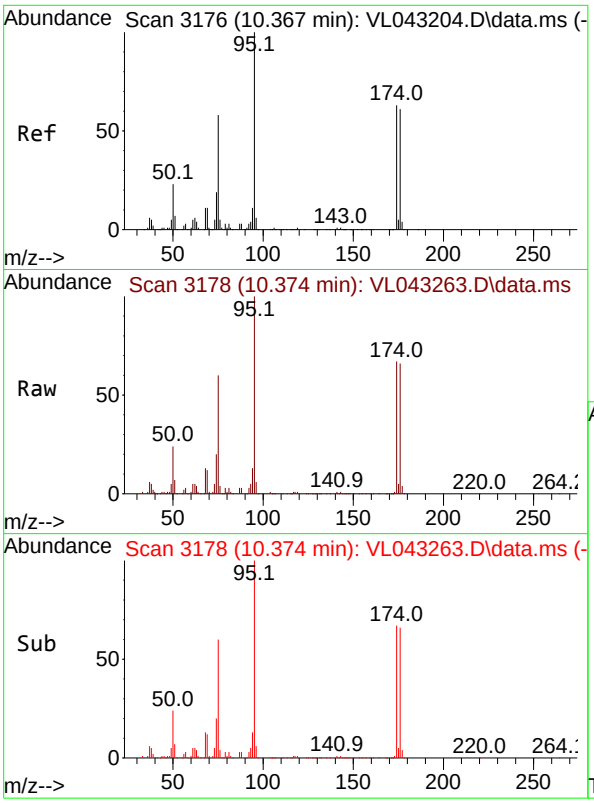


#60
o-Xylene
Concen: 0.055 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion: 91 Resp: 1826

Ion	Ratio	Lower	Upper
91	100		
106	57.9	20.9	62.8



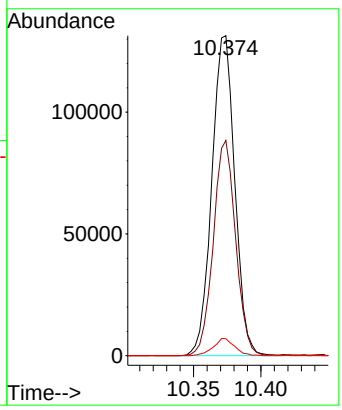


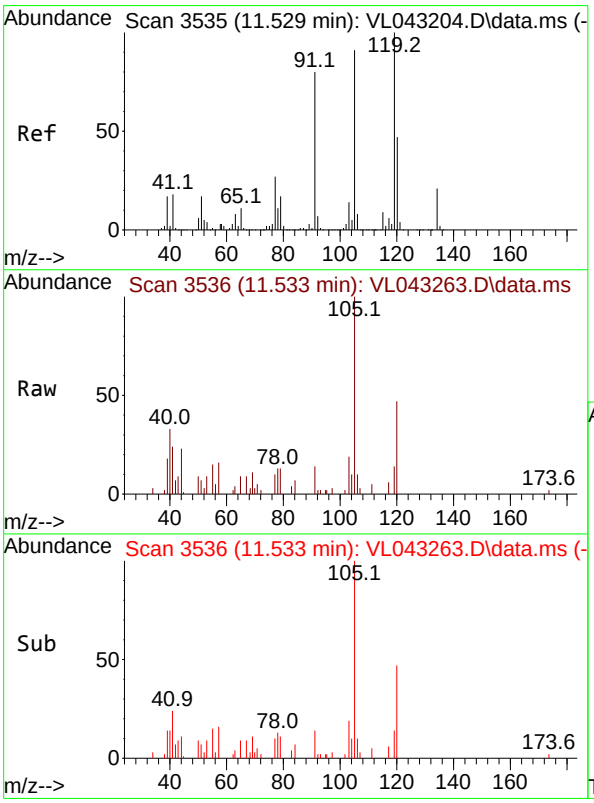
#68
1-Bromo-4-Fluorobenzene
Concen: 9.924 ppbv
RT: 10.374 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion: 95 Resp: 155552

Ion	Ratio	Lower	Upper
95	100		
174	65.7	50.2	75.2
175	5.0	4.1	6.1

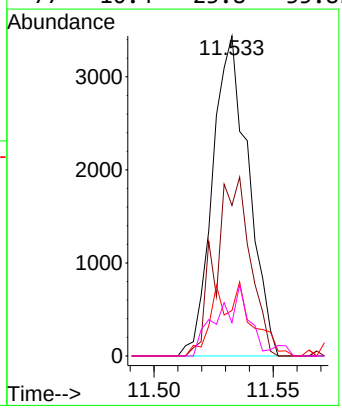


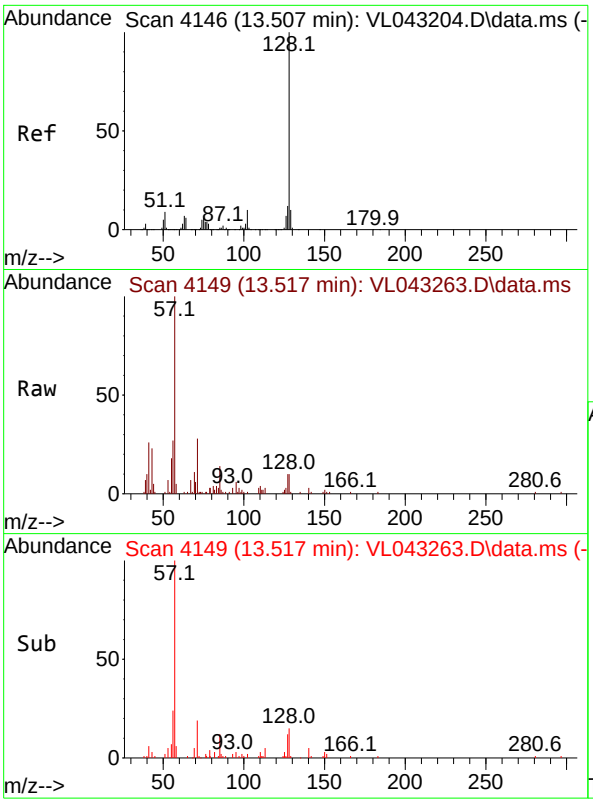


#74
1,2,4-Trimethylbenzene
Concen: 0.097 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Tgt Ion:105 Resp: 3583

Ion	Ratio	Lower	Upper
105	100		
120	47.1	41.7	62.5
91	14.2	70.0	105.0#
77	10.4	23.8	35.8#



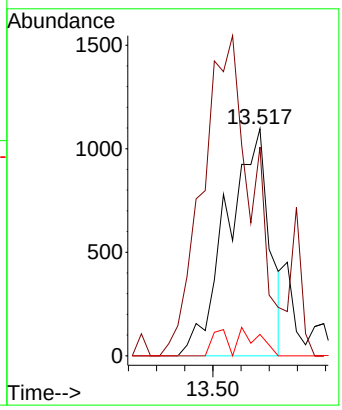


#79
Naphthalene
Concen: 0.035 ppbv
RT: 13.517 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL043263.D
Acq: 20 Nov 2025 13:58

Instrument :
MSVOA_L
ClientSampleId :
SG-3

Tgt Ion:128 Resp: 1145

Ion	Ratio	Lower	Upper
128	100		
127	78.6	9.9	14.9#
129	9.4	8.4	12.6



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043264.D
Acq On : 20 Nov 2025 14:32
Operator : SY/MD
Sample : Q3655-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Quant Time: Nov 21 00:39:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.781	49	105685	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.949	114	273349	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	207697	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.367	95	149369	9.811	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4384	0.294	ppbv		99
3) Chlorodifluoromethane	1.619	51	823	0.056	ppbv		93
4) Chloromethane	1.531	50	1762	0.316	ppbv	#	85
9) Propene	1.486	41	1459	0.234	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	2322	0.161	ppbv	#	82
12) 1,1,2-Trichlorotrifluo...	2.133	101	452	0.040	ppbv	#	12
13) Ethanol	1.719	45	3212	1.467	ppbv	#	38
15) Acetone	1.832	43	27467	1.871	ppbv		100
16) 1,3-Butadiene	1.619	39	2846	0.435	ppbv	#	12
17) tert-Butyl alcohol	2.039	59	3663	0.190	ppbv		95
19) Isopropyl Alcohol	1.884	45	11013	1.327	ppbv	#	59
20) Methylene Chloride	2.059	84	6390	0.751	ppbv	#	88
23) Vinyl Acetate	2.447	43	3761	0.212	ppbv	#	68
25) Ethyl Acetate	2.823	43	4702	0.148	ppbv	#	80
26) Hexane	2.823	57	6555	0.472	ppbv	#	45
27) Carbon Disulfide	2.146	76	818	0.058	ppbv	#	1
34) 2-Butanone	2.554	43	10341	0.536	ppbv		97
36) Benzene	3.648	78	1135	0.043	ppbv	#	82
39) 1,2-Dichloropropane	3.946	63	69417	7.245	ppbv	#	23
52) Tetrachloroethene	8.215	164	31930	3.279	ppbv		94
53) Toluene	6.917	91	3610	0.116	ppbv	#	61
58) Ethyl Benzene	9.348	91	1214	0.030	ppbv		95
59) m/p-Xylene	9.545	91	1217	0.038	ppbv	#	31
60) o-Xylene	9.959	91	2067	0.065	ppbv		86
66) Benzyl Chloride	11.610	91	180	0.035	ppbv	#	1
67) sec-Butylbenzene	11.765	105	2320	0.032	ppbv	#	1
73) 1,3,5-Trimethylbenzene	11.196	105	1056	0.032	ppbv	#	65
74) 1,2,4-Trimethylbenzene	11.529	105	3815	0.107	ppbv	#	55
79) Naphthalene	13.507	128	1180	0.037	ppbv	#	1

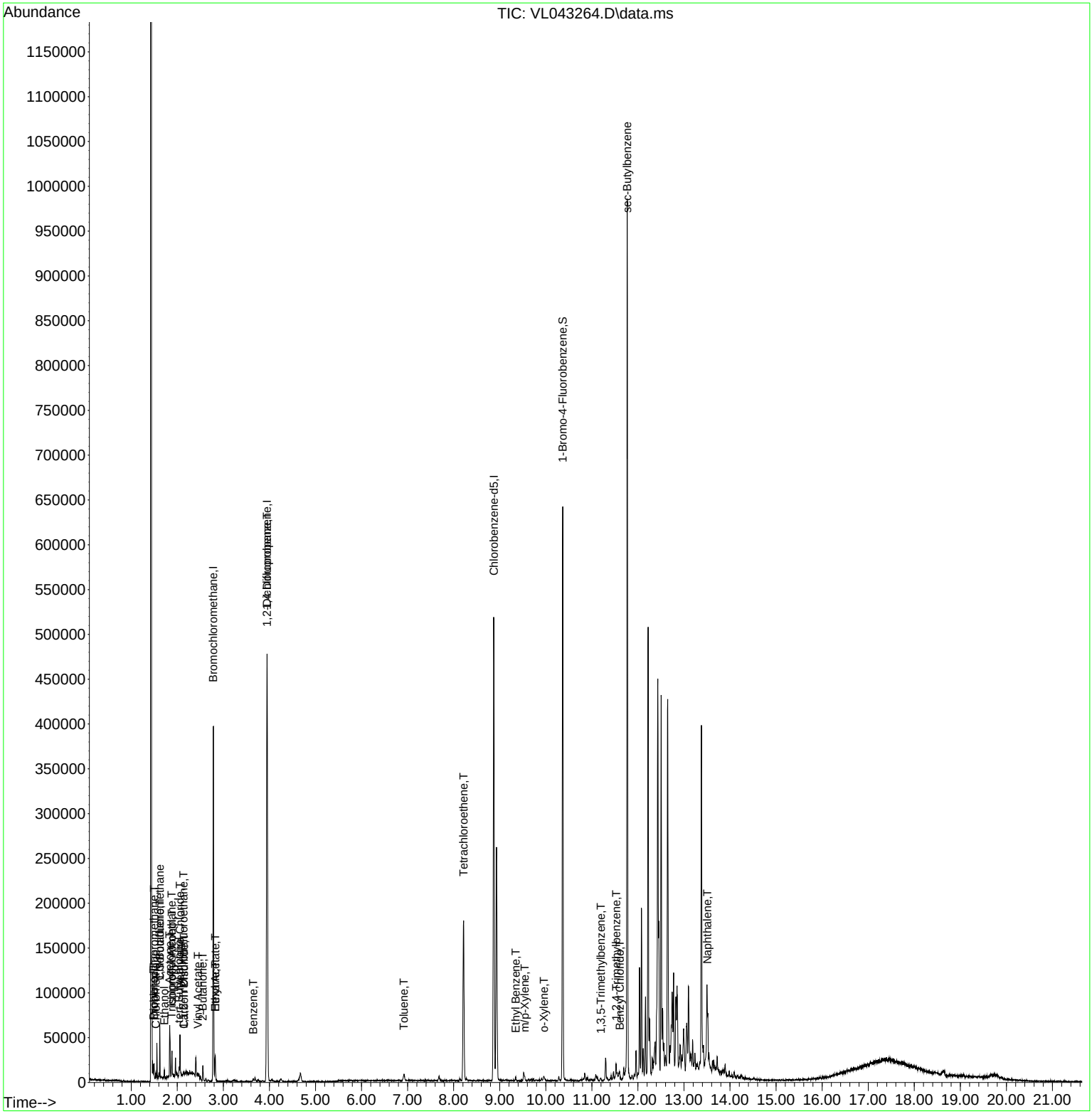
(#) = qualifier out of range (m) = manual integration (+) = signals summed

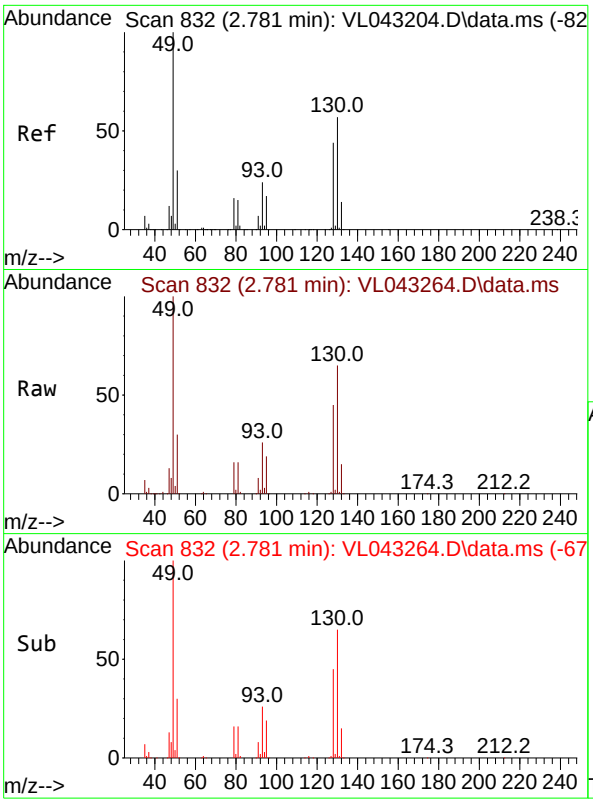
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043264.D
Acq On : 20 Nov 2025 14:32
Operator : SY/MD
Sample : Q3655-04 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Quant Time: Nov 21 00:39:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



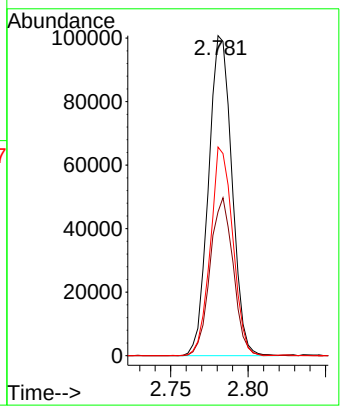


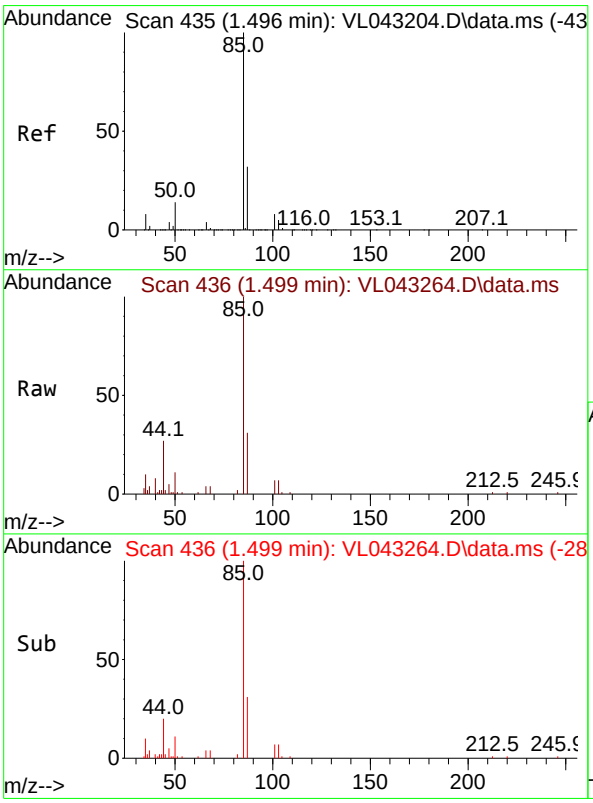
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 49 Resp: 105685

Ion	Ratio	Lower	Upper
49	100		
128	48.8	23.0	69.0
130	62.7	29.9	89.7

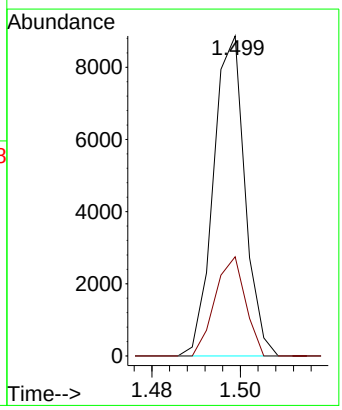


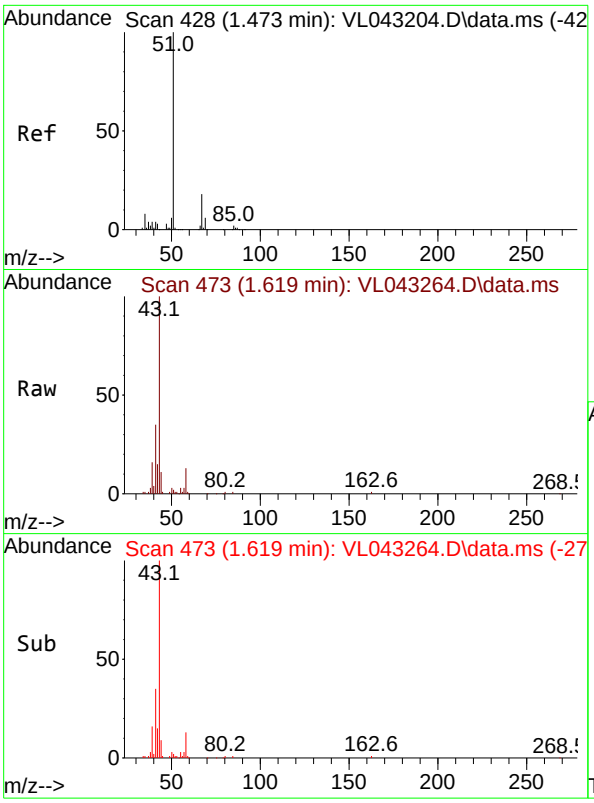


#2
Dichlorodifluoromethane
Concen: 0.294 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 85 Resp: 4384

Ion	Ratio	Lower	Upper
85	100		
87	31.0	25.4	38.2



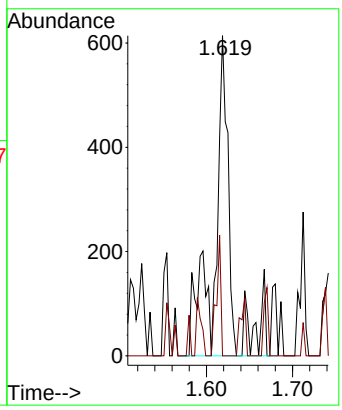


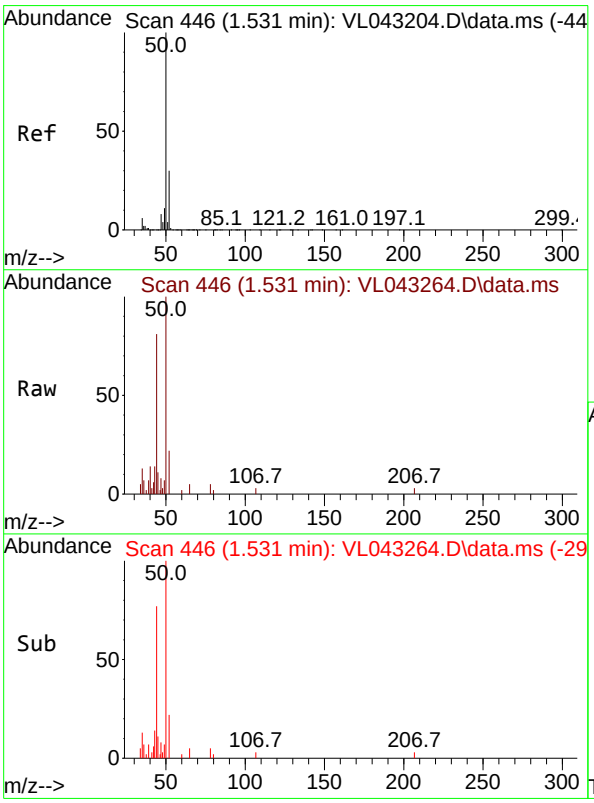
#3
Chlorodifluoromethane
Concen: 0.056 ppbv
RT: 1.619 min Scan# 4
Delta R.T. 0.145 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 51 Resp: 823

Ion	Ratio	Lower	Upper
51	100		
67	15.6	14.9	22.3

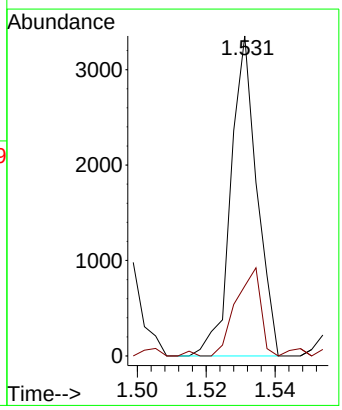


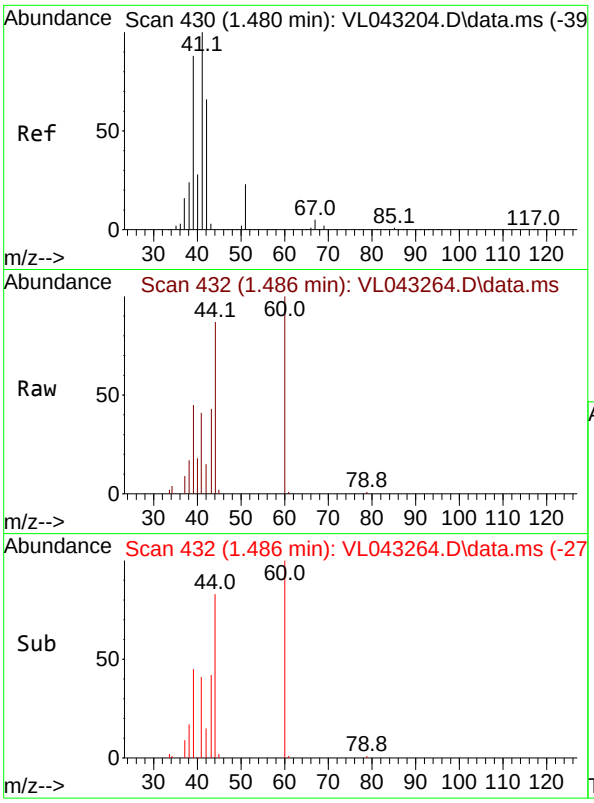


#4
Chloromethane
Concen: 0.316 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 50 Resp: 1762

Ion	Ratio	Lower	Upper
50	100		
52	21.9	24.1	36.1#



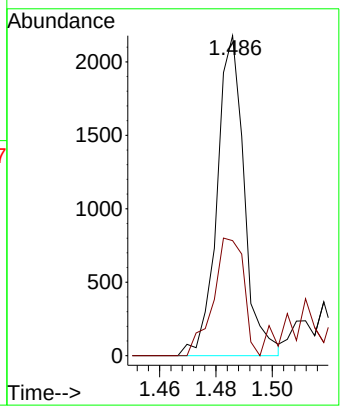


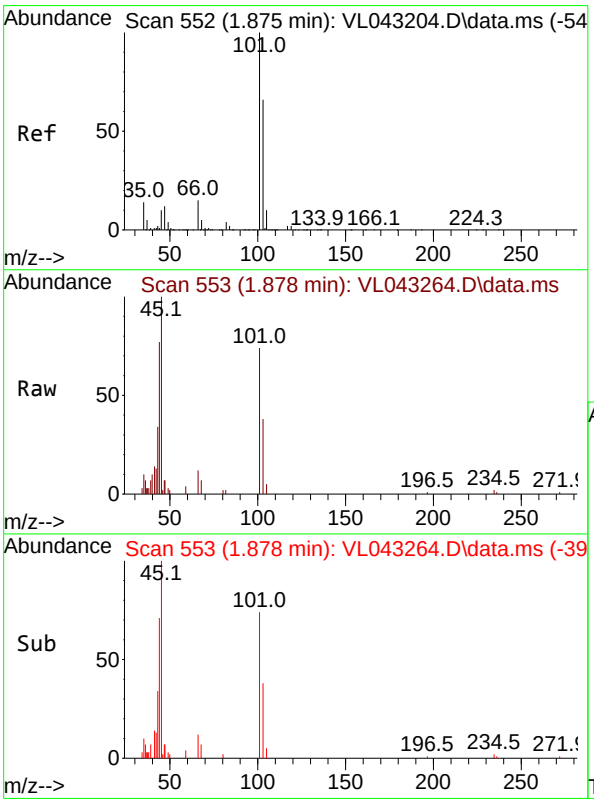
#9
Propene
Concen: 0.234 ppbv
RT: 1.486 min Scan# 4
Delta R.T. 0.006 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 41 Resp: 1459

Ion	Ratio	Lower	Upper
41	100		
42	57.7	3.7	5.5#

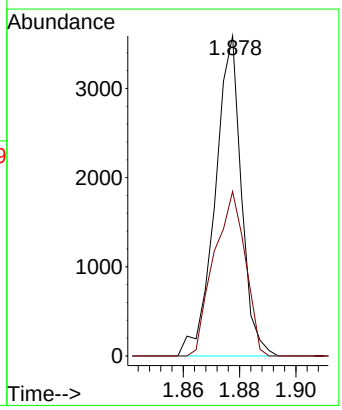


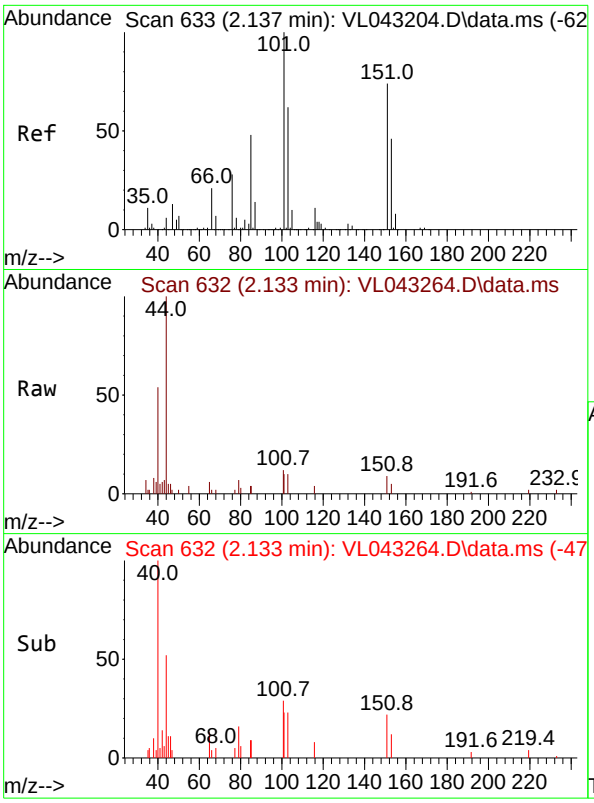


#11
Trichlorofluoromethane
Concen: 0.161 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:101 Resp: 2322

Ion	Ratio	Lower	Upper
101	100		
103	51.4	52.6	79.0#



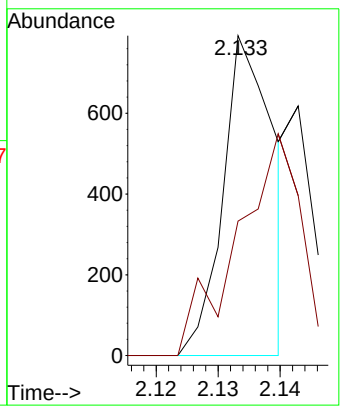


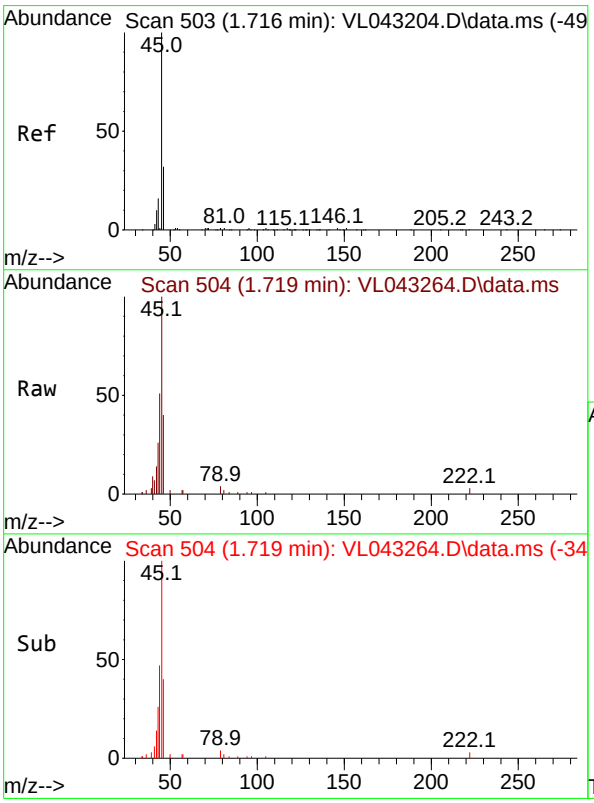
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 2.133 min Scan# 6
Delta R.T. -0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion:101 Resp: 452

Ion	Ratio	Lower	Upper
101	100		
151	0.0	59.2	88.8#

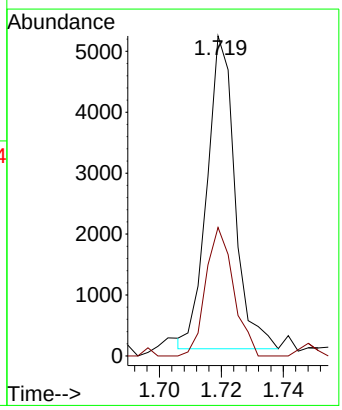


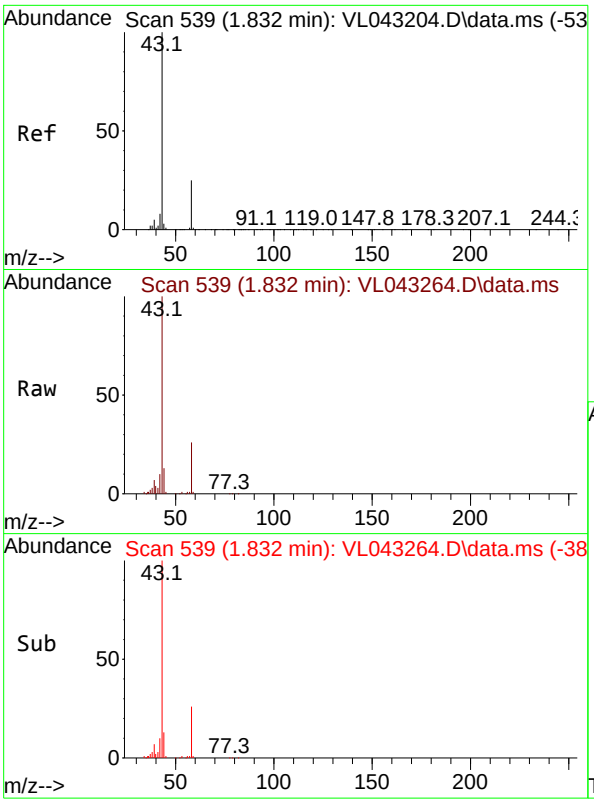


#13
Ethanol
Concen: 1.467 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 45 Resp: 3212

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#



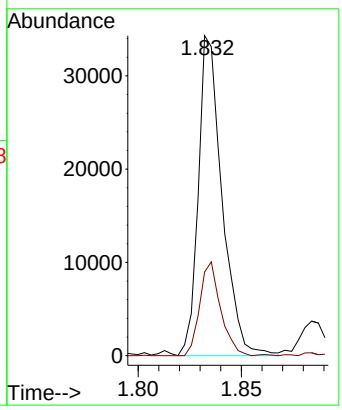


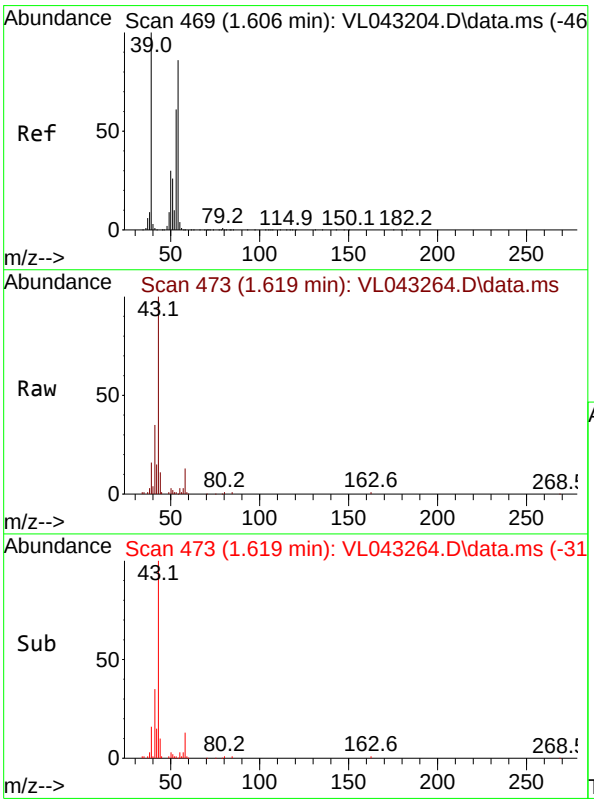
#15
Acetone
Concen: 1.871 ppbv
RT: 1.832 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 43 Resp: 27467

Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.7	31.1

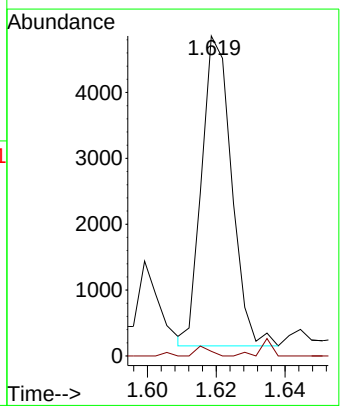


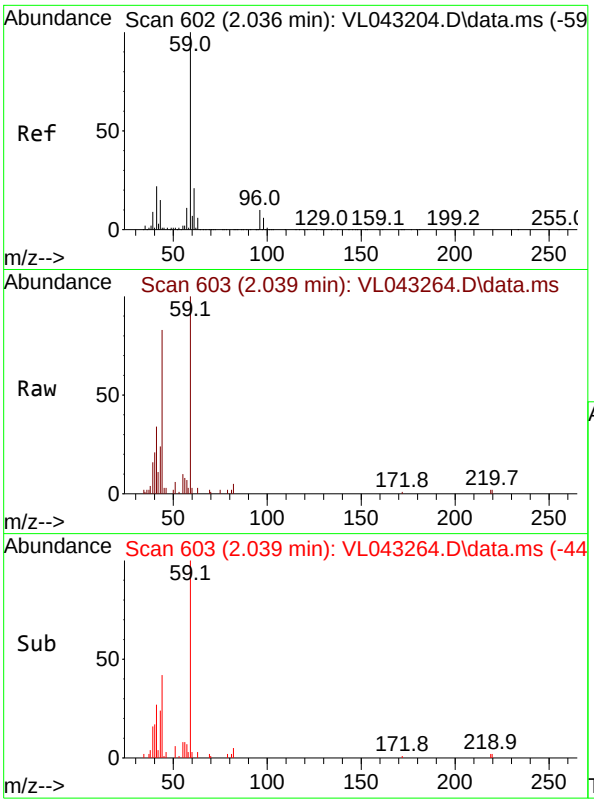


#16
1,3-Butadiene
Concen: 0.435 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.013 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 39 Resp: 2846

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#



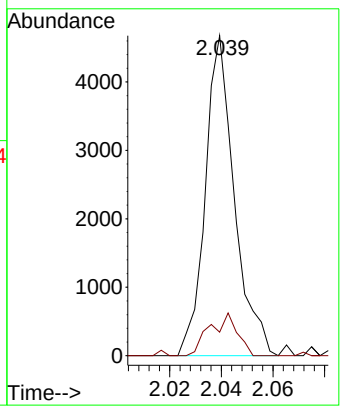


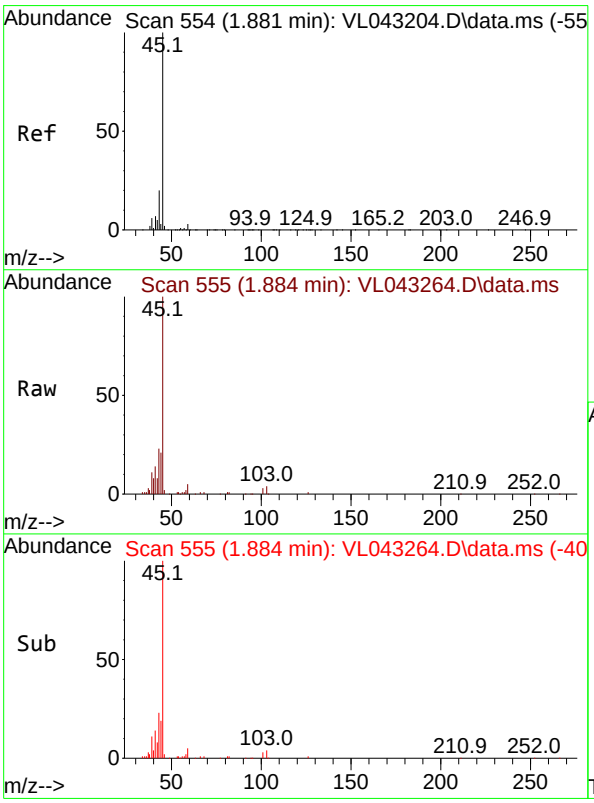
#17
tert-Butyl alcohol
Concen: 0.190 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 59 Resp: 3663

Ion	Ratio	Lower	Upper
59	100		
57	13.0	9.0	13.4

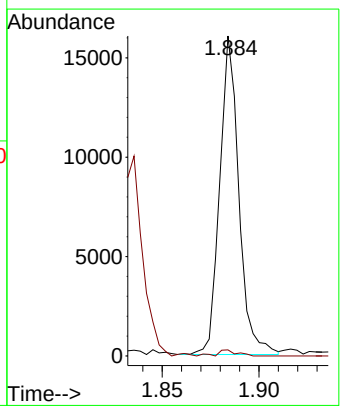


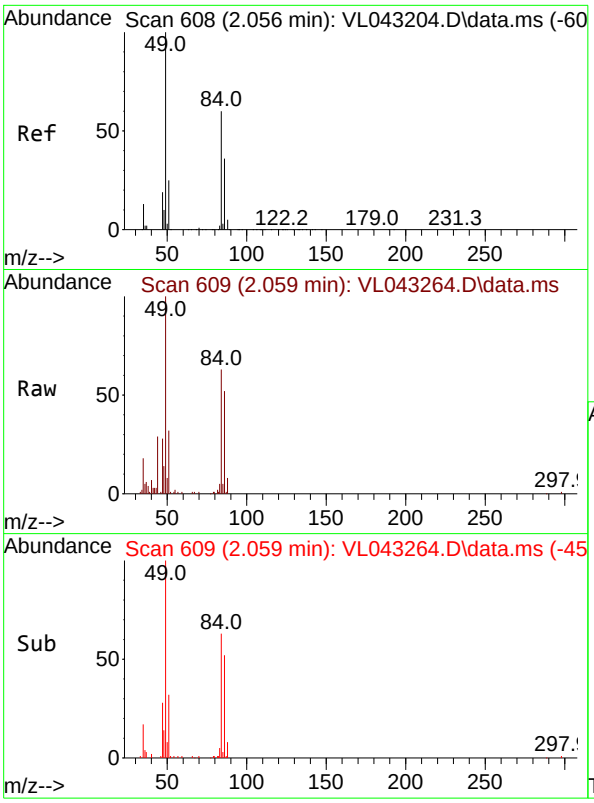


#19
Isopropyl Alcohol
Concen: 1.327 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 45 Resp: 11013

Ion	Ratio	Lower	Upper
45	100		
58	64.3	31.3	46.9#



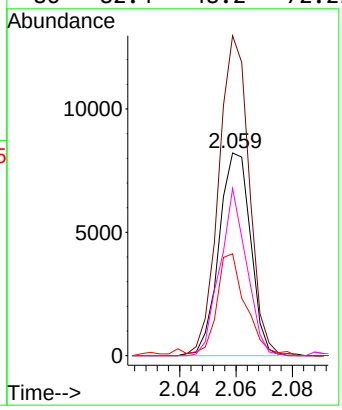


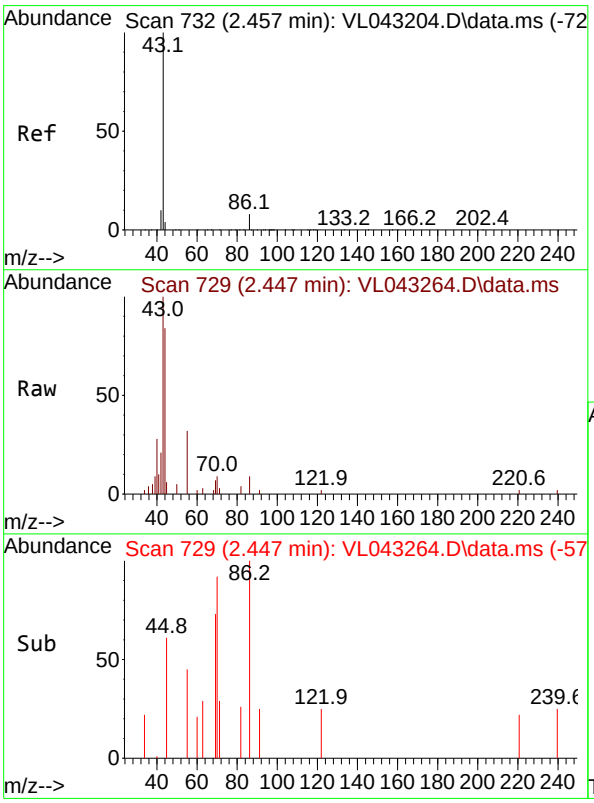
#20
Methylene Chloride
Concen: 0.751 ppbv
RT: 2.059 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 84 Resp: 6390

Ion	Ratio	Lower	Upper
84	100		
49	157.8	132.9	199.3
51	48.8	34.8	52.2
86	82.4	48.2	72.2#

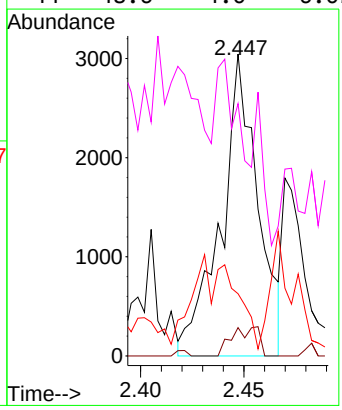


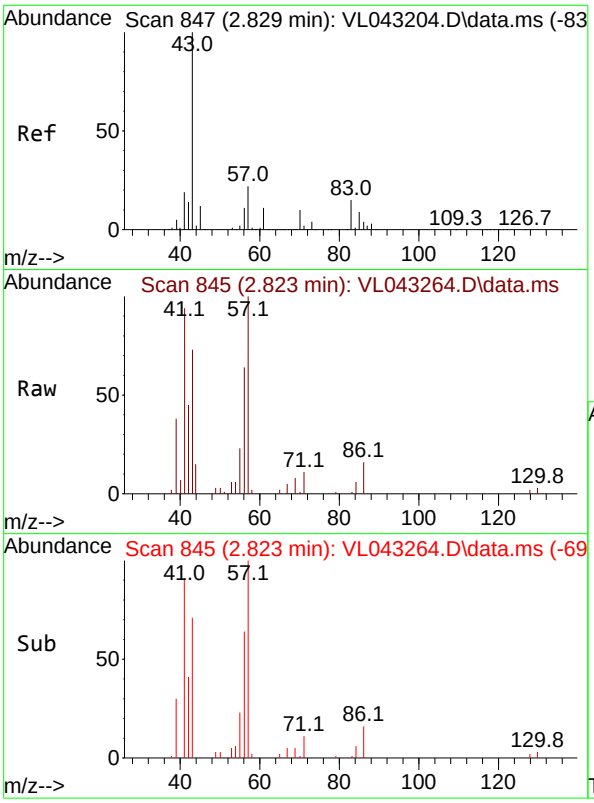


#23
Vinyl Acetate
Concen: 0.212 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.010 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 43 Resp: 3761

Ion	Ratio	Lower	Upper
43	100		
86	9.8	6.2	9.2#
42	9.2	8.0	12.0
44	48.6	4.0	6.0#



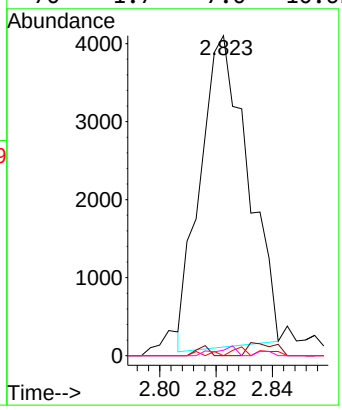


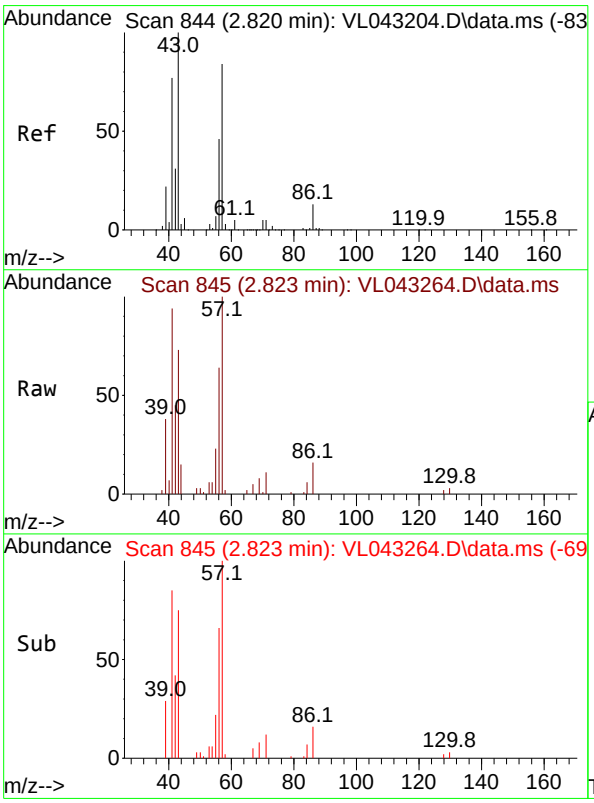
#25
Ethyl Acetate
Concen: 0.148 ppbv
RT: 2.823 min Scan# 84
Delta R.T. -0.007 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 43 Resp: 4702

Ion	Ratio	Lower	Upper
43	100		
45	3.2	8.1	12.1#
61	1.2	7.0	10.4#
70	1.7	7.0	10.6#

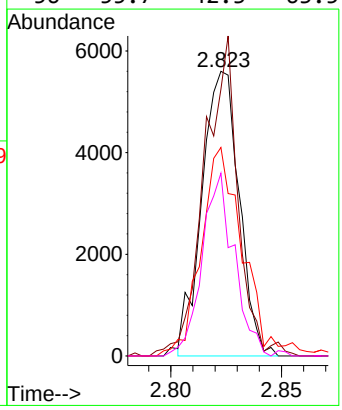


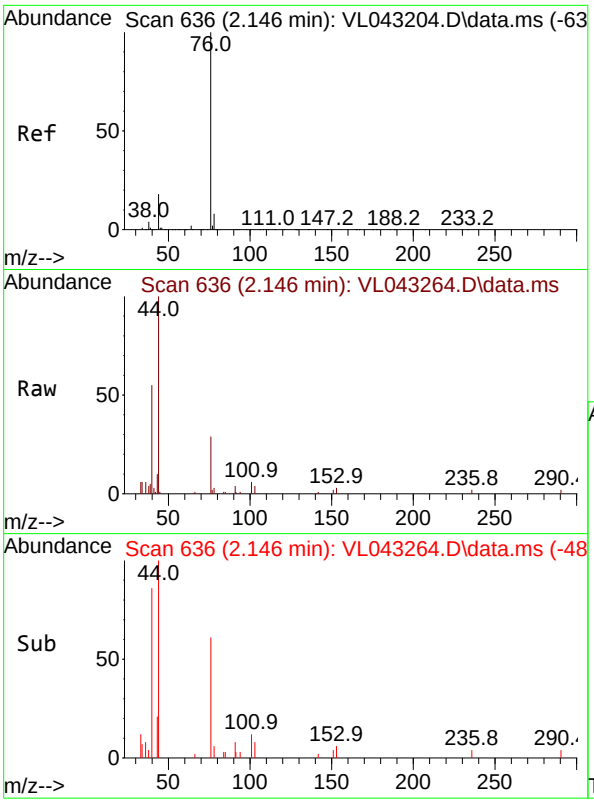


#26
Hexane
Concen: 0.472 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 57 Resp: 6555

Ion	Ratio	Lower	Upper
57	100		
41	101.8	74.6	111.8
43	82.6	179.0	268.4#
56	55.7	42.3	63.5



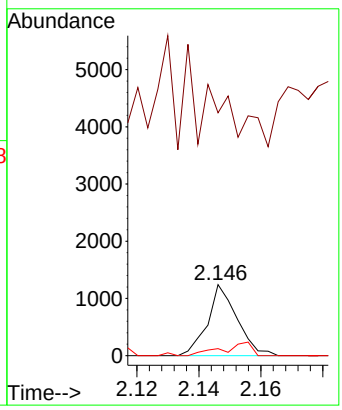


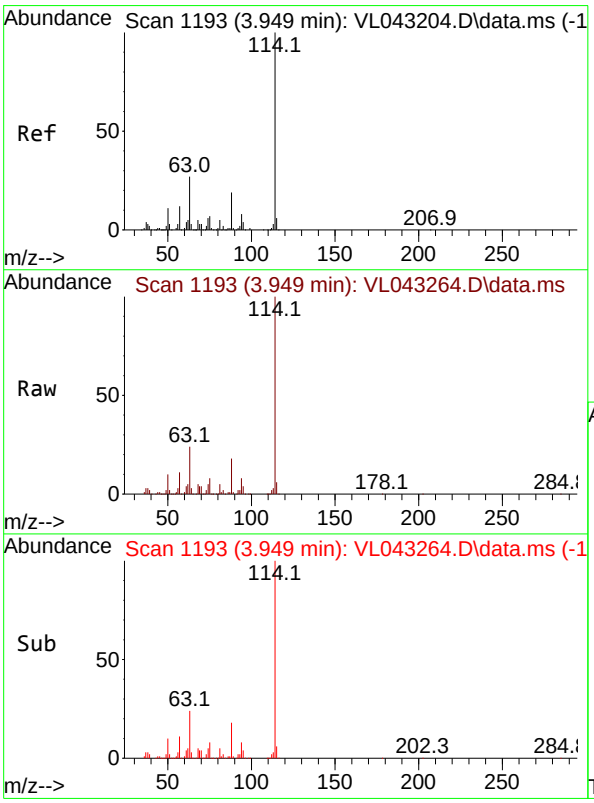
#27
Carbon Disulfide
Concen: 0.058 ppbv
RT: 2.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 76 Resp: 818

Ion	Ratio	Lower	Upper
76	100		
44	809.0	16.1	24.1#
78	19.7	9.6	14.4#

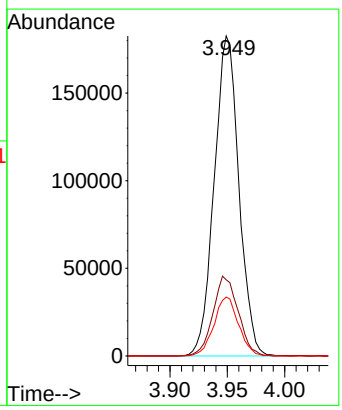


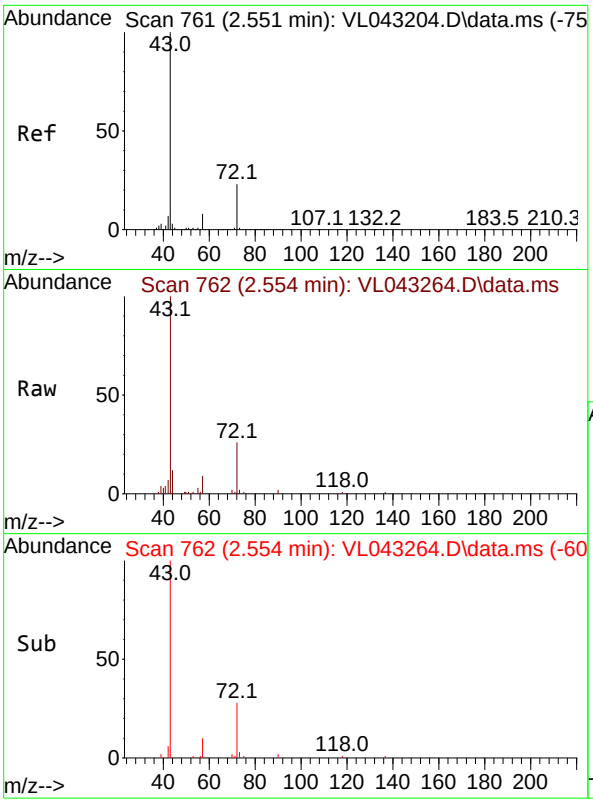


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:114 Resp: 273349

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.0	31.6
88	18.4	14.9	22.3



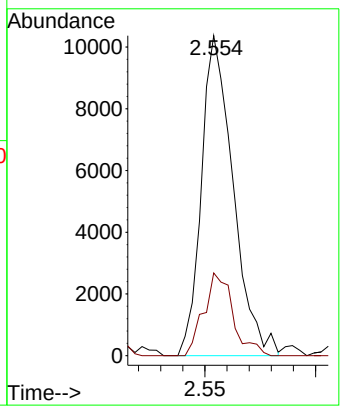


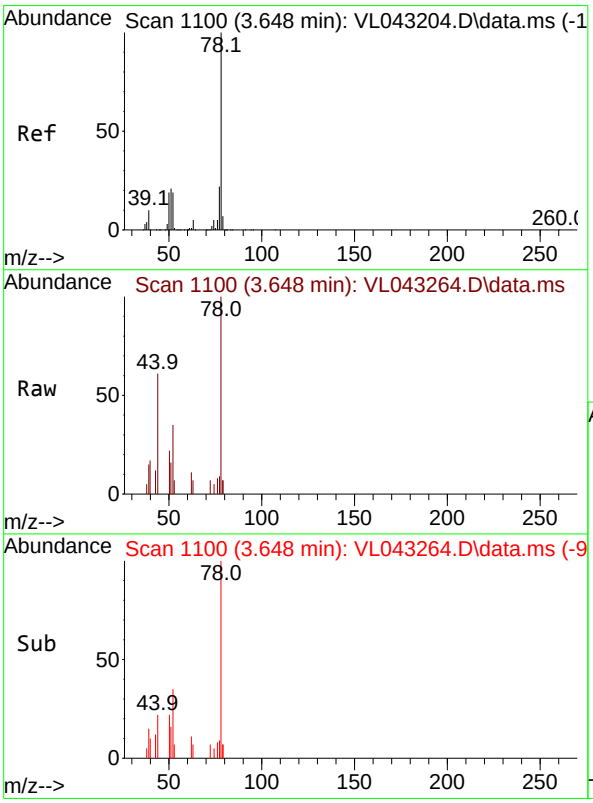
#34
2-Butanone
Concen: 0.536 ppbv
RT: 2.554 min Scan# 7
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 43 Resp: 10341

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.1	27.1

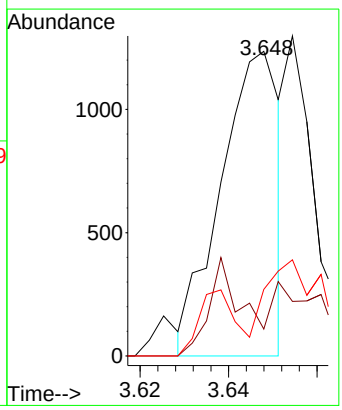


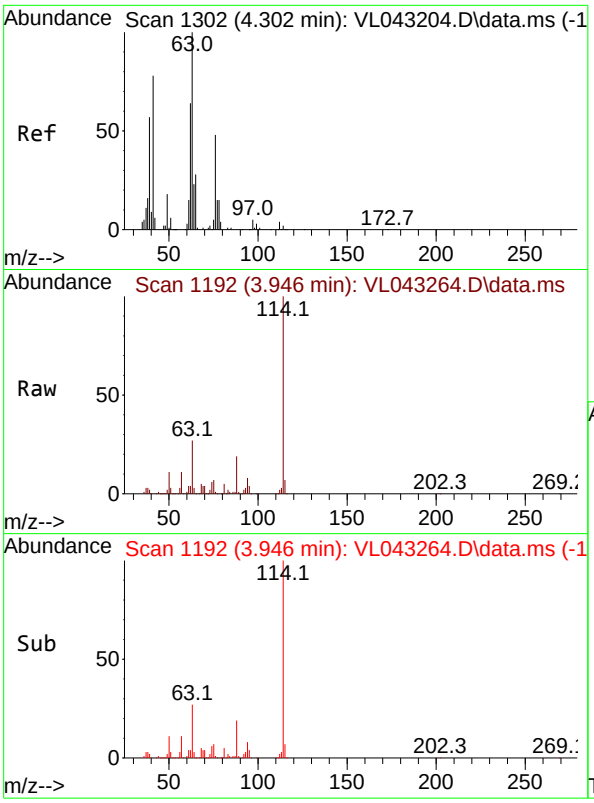


#36
Benzene
Concen: 0.043 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 78 Resp: 1135

Ion	Ratio	Lower	Upper
78	100		
77	9.6	17.5	26.3#
50	23.7	15.5	23.3#



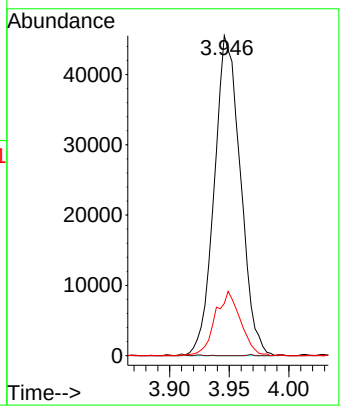


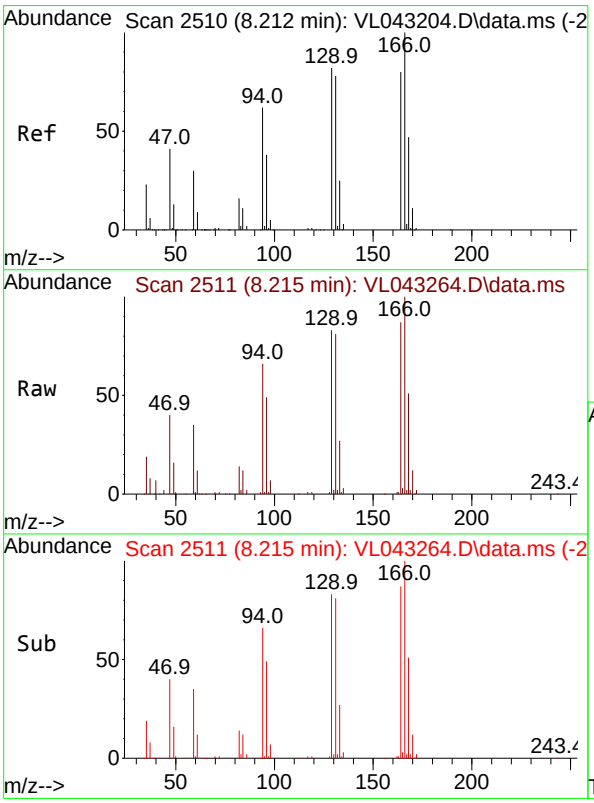
#39
1,2-Dichloropropane
Concen: 7.245 ppbv
RT: 3.946 min Scan# 11
Delta R.T. -0.356 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 63 Resp: 69417

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	93.8#
62	16.3	51.0	76.6#

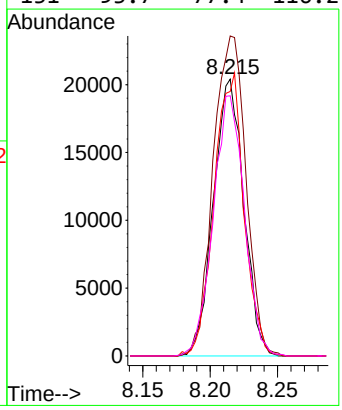


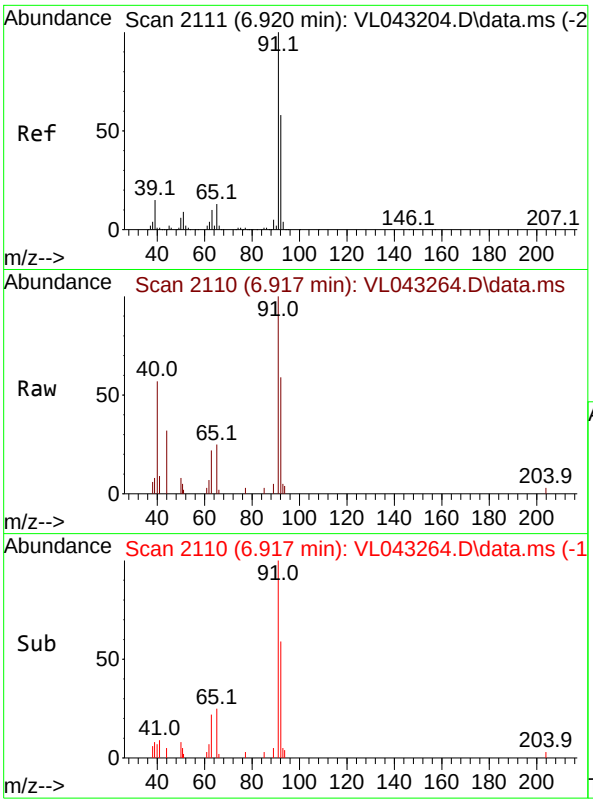


#52
Tetrachloroethene
Concen: 3.279 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:164 Resp: 31930

Ion	Ratio	Lower	Upper
164	100		
166	115.6	99.4	149.2
129	95.5	81.8	122.8
131	93.7	77.4	116.2



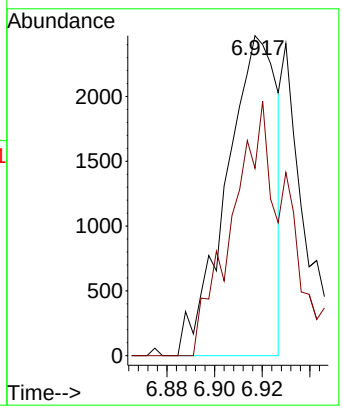


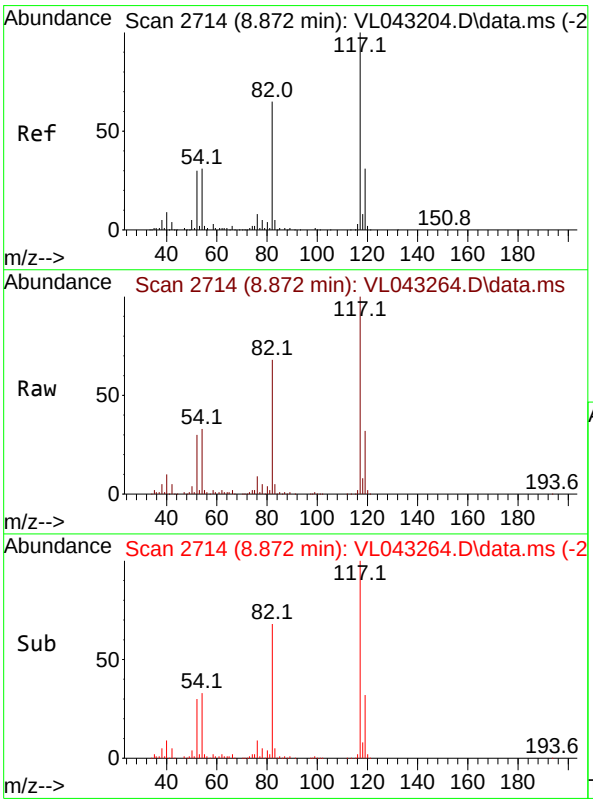
#53
Toluene
Concen: 0.116 ppbv
RT: 6.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 91 Resp: 3610

Ion	Ratio	Lower	Upper
91	100		
92	88.2	47.4	71.0#

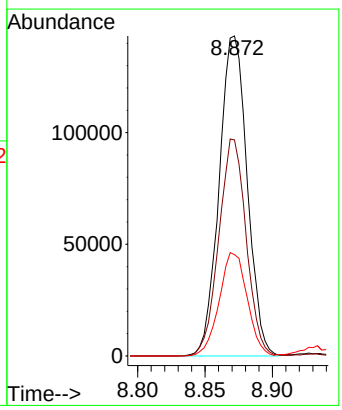


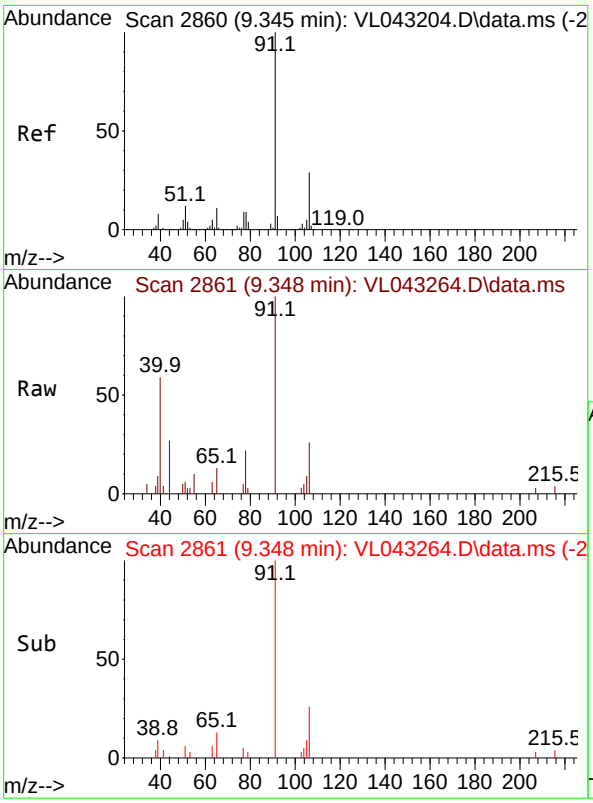


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:117 Resp: 207697

Ion	Ratio	Lower	Upper
117	100		
82	66.2	56.1	84.1
119	32.3	25.0	37.6



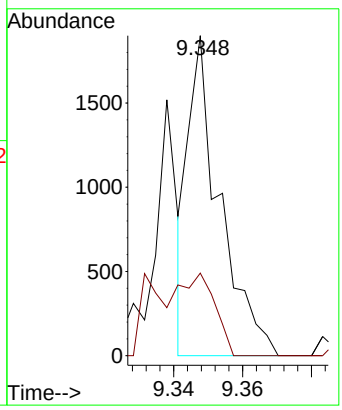


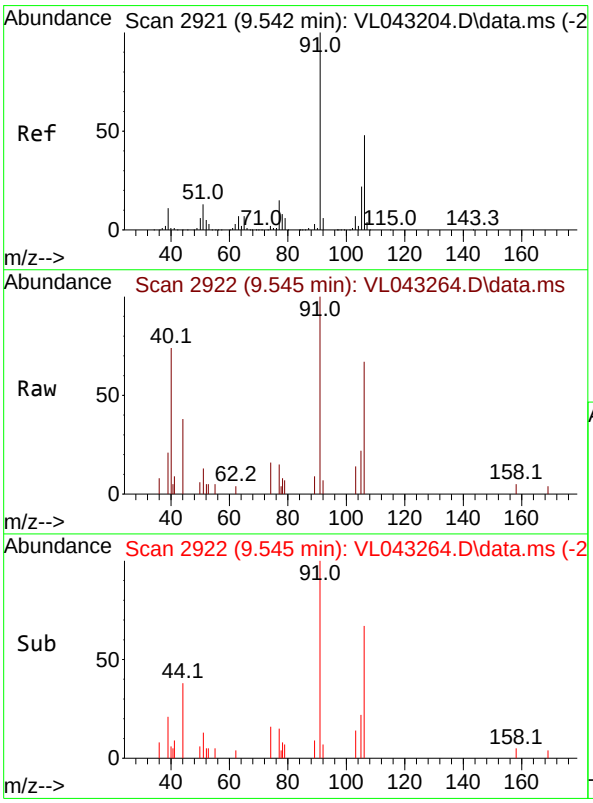
#58
Ethyl Benzene
Concen: 0.030 ppbv
RT: 9.348 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 91 Resp: 1214

Ion	Ratio	Lower	Upper
91	100		
106	25.8	22.8	34.2

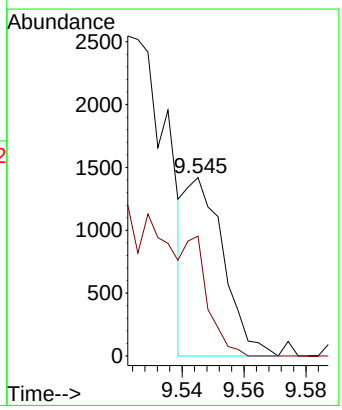


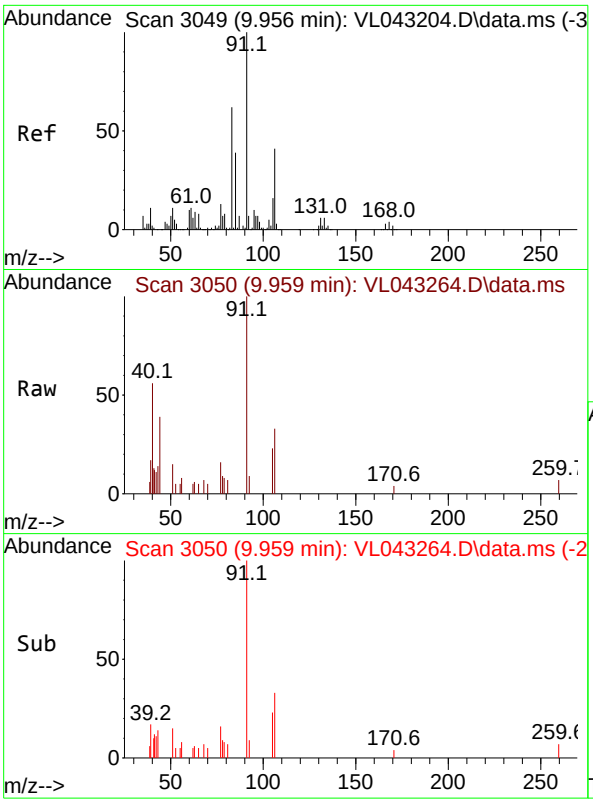


#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 91 Resp: 1217

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#



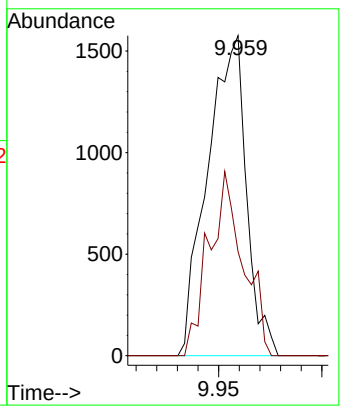


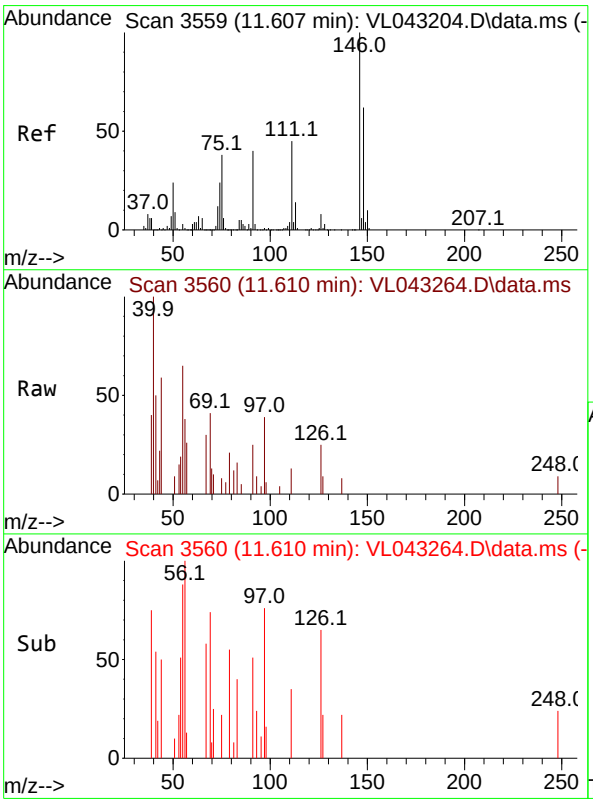
#60
o-Xylene
Concen: 0.065 ppbv
RT: 9.959 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 91 Resp: 2067

Ion	Ratio	Lower	Upper
91	100		
106	50.6	20.9	62.8

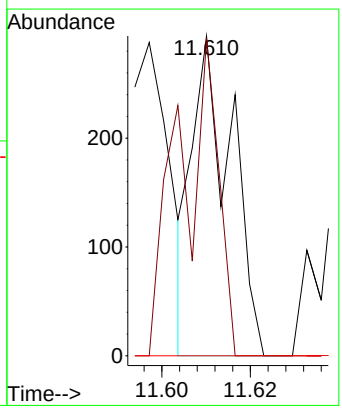


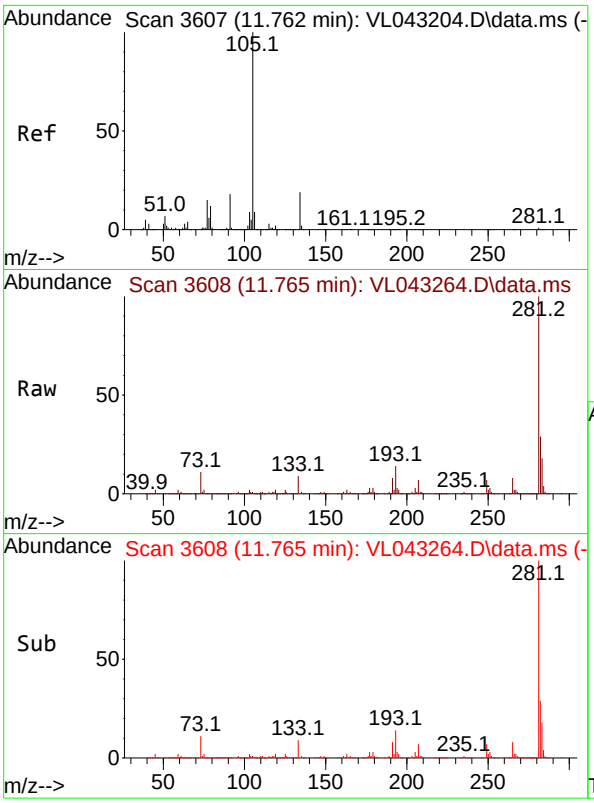


#66
Benzyl Chloride
Concen: 0.035 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 91 Resp: 180

Ion	Ratio	Lower	Upper
91	100		
126	99.4	14.4	21.6#
128	0.0	4.6	6.8#



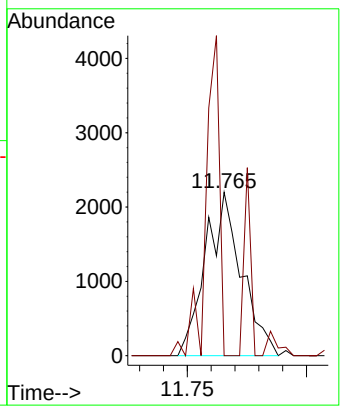


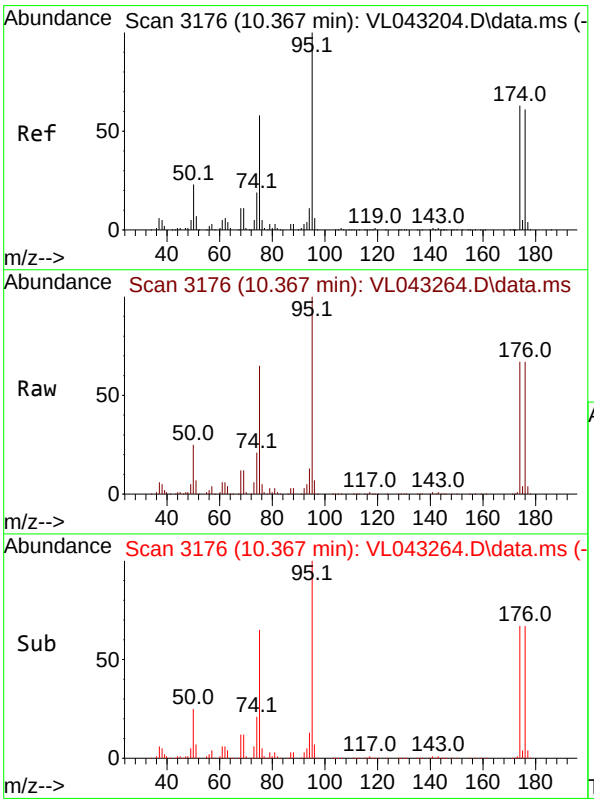
#67
sec-Butylbenzene
Concen: 0.032 ppbv
RT: 11.765 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion:105 Resp: 2320

Ion	Ratio	Lower	Upper
105	100		
134	98.8	15.0	22.6#

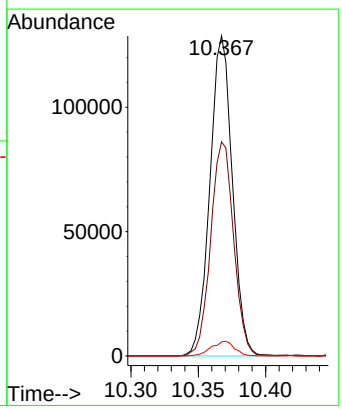


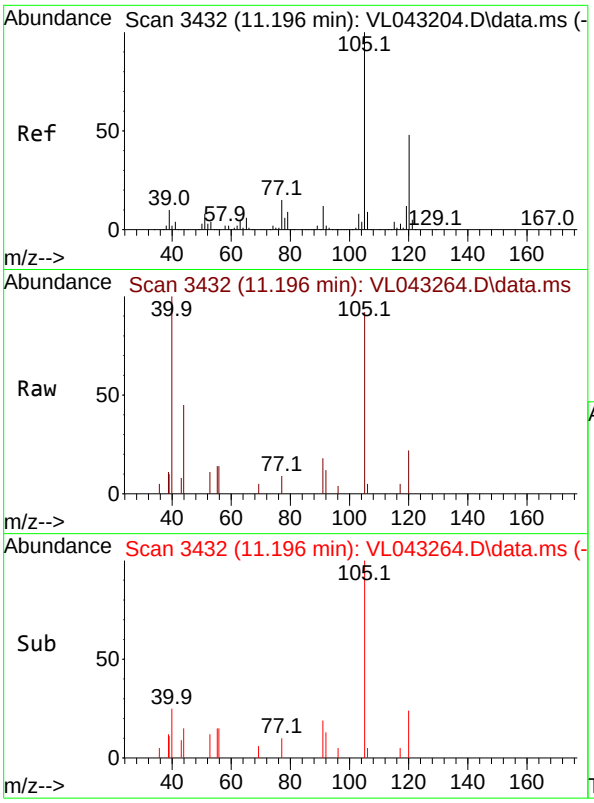


#68
1-Bromo-4-Fluorobenzene
Concen: 9.811 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion: 95 Resp: 149369

Ion	Ratio	Lower	Upper
95	100		
174	68.6	50.2	75.2
175	4.8	4.1	6.1



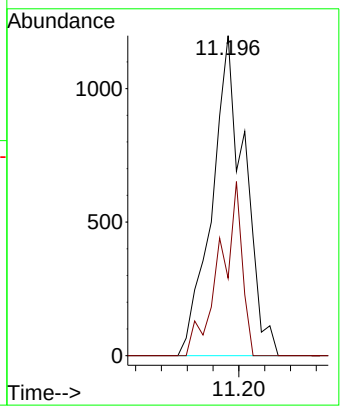


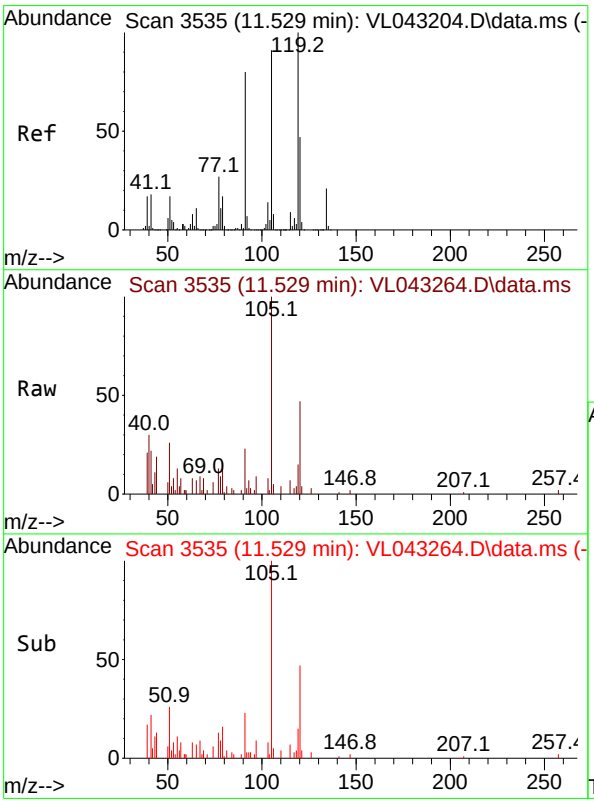
#73
1,3,5-Trimethylbenzene
Concen: 0.032 ppbv
RT: 11.196 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion:105 Resp: 1056

Ion	Ratio	Lower	Upper
105	100		
120	24.2	38.6	57.8#

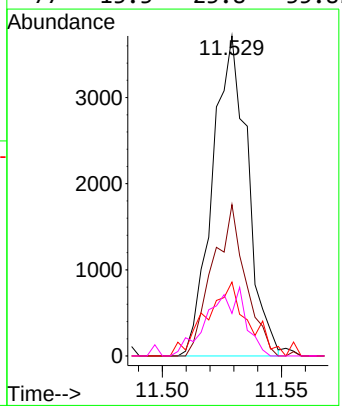


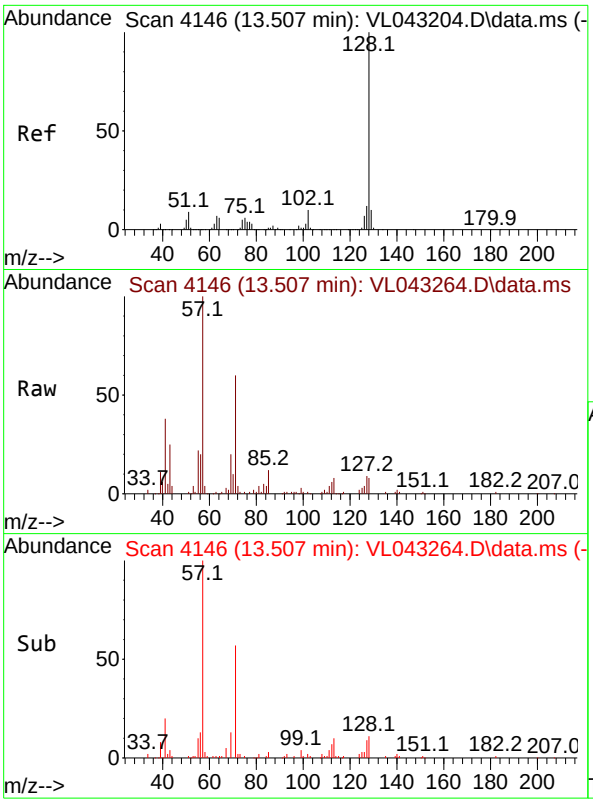


#74
1,2,4-Trimethylbenzene
Concen: 0.107 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Tgt Ion:105 Resp: 3815

Ion	Ratio	Lower	Upper
105	100		
120	47.3	41.7	62.5
91	20.1	70.0	105.0#
77	13.3	23.8	35.8#



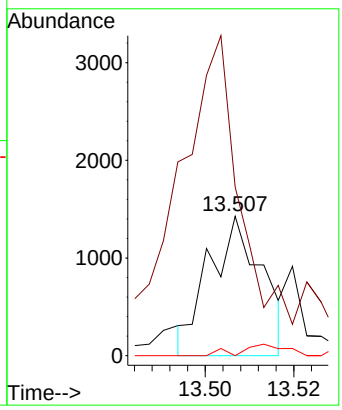


#79
Naphthalene
Concen: 0.037 ppbv
RT: 13.507 min Scan# 4
Delta R.T. -0.000 min
Lab File: VL043264.D
Acq: 20 Nov 2025 14:32

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion:128 Resp: 1180

Ion	Ratio	Lower	Upper
128	100		
127	90.2	9.9	14.9#
129	0.0	8.4	12.6#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043265.D
Acq On : 20 Nov 2025 15:06
Operator : SY/MD
Sample : Q3655-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Quant Time: Nov 21 00:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

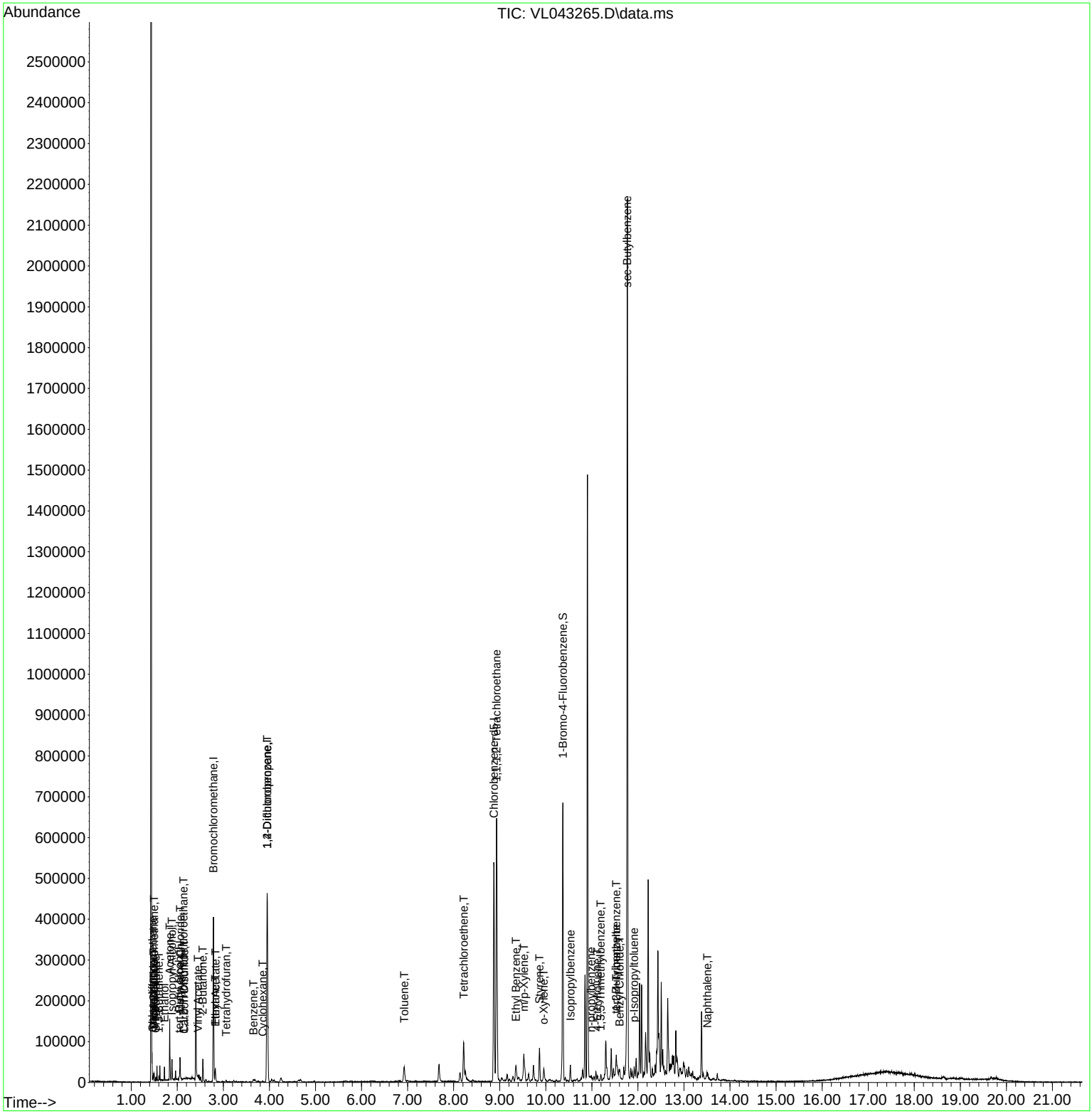
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	104404	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	273214	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	215431	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	166134	10.521	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4231	0.287	ppbv	#	83
3) Chlorodifluoromethane	1.466	51	6144	0.424	ppbv	#	77
4) Chloromethane	1.531	50	2226	0.404	ppbv		94
5) Vinyl Chloride	1.486	62	246	0.041	ppbv	#	41
9) Propene	1.489	41	1663	0.270	ppbv	#	1
12) 1,1,2-Trichlorotrifluo...	2.136	101	422	0.038	ppbv		86
13) Ethanol	1.722	45	11522	5.328	ppbv		98
15) Acetone	1.835	43	67707	4.668	ppbv		97
16) 1,3-Butadiene	1.599	39	1272	0.197	ppbv	#	12
17) tert-Butyl alcohol	2.039	59	2783	0.146	ppbv	#	88
19) Isopropyl Alcohol	1.884	45	18854	2.300	ppbv	#	21
20) Methylene Chloride	2.062	84	7368	1.019	ppbv		96
23) Vinyl Acetate	2.450	43	5382	0.307	ppbv	#	89
25) Ethyl Acetate	2.829	43	6332	0.202	ppbv	#	70
26) Hexane	2.826	57	6491	0.473	ppbv	#	48
27) Carbon Disulfide	2.149	76	707	0.050	ppbv	#	1
30) Cyclohexane	3.855	84	575	0.050	ppbv	#	62
34) 2-Butanone	2.554	43	33252	1.724	ppbv		98
36) Benzene	3.651	78	2152	0.082	ppbv	#	83
39) 1,2-Dichloropropane	3.952	63	70299	7.341	ppbv	#	23
41) Tetrahydrofuran	3.062	42	1258	0.118	ppbv		94
52) Tetrachloroethene	8.218	164	16991	1.746	ppbv		91
53) Toluene	6.926	91	11980	0.387	ppbv	#	16
56) 1,1,1,2-Tetrachloroethane	8.930	131	781	0.049	ppbv	#	1
58) Ethyl Benzene	9.351	91	11600	0.280	ppbv		98
59) m/p-Xylene	9.526	91	28979	0.872	ppbv	#	78
60) o-Xylene	9.956	91	11915	0.359	ppbv		91
61) Styrene	9.862	104	27380	1.884	ppbv		98
62) Isopropylbenzene	10.535	105	16584	0.279	ppbv		99
64) n-propylbenzene	10.982	120	758	0.050	ppbv		84
65) tert-Butylbenzene	11.526	119	2131	0.040	ppbv	#	18
66) Benzyl Chloride	11.600	91	218	0.040	ppbv	#	1
67) sec-Butylbenzene	11.769	105	5032	0.068	ppbv	#	1
69) p-Isopropyltoluene	11.917	119	9686	0.154	ppbv		95
72) 4-Ethyltoluene	11.121	105	3652	0.090	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.192	105	1785	0.053	ppbv		89
74) 1,2,4-Trimethylbenzene	11.529	105	15609	0.421	ppbv	#	54
79) Naphthalene	13.507	128	1474	0.045	ppbv	#	69

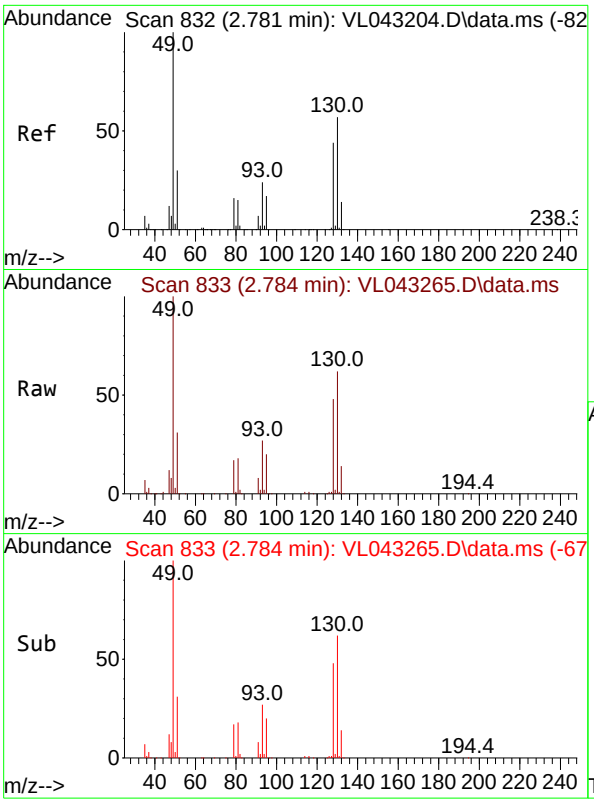
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043265.D
Acq On : 20 Nov 2025 15:06
Operator : SY/MD
Sample : Q3655-05 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Quant Time: Nov 21 00:39:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



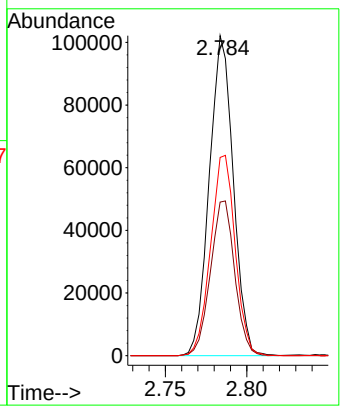


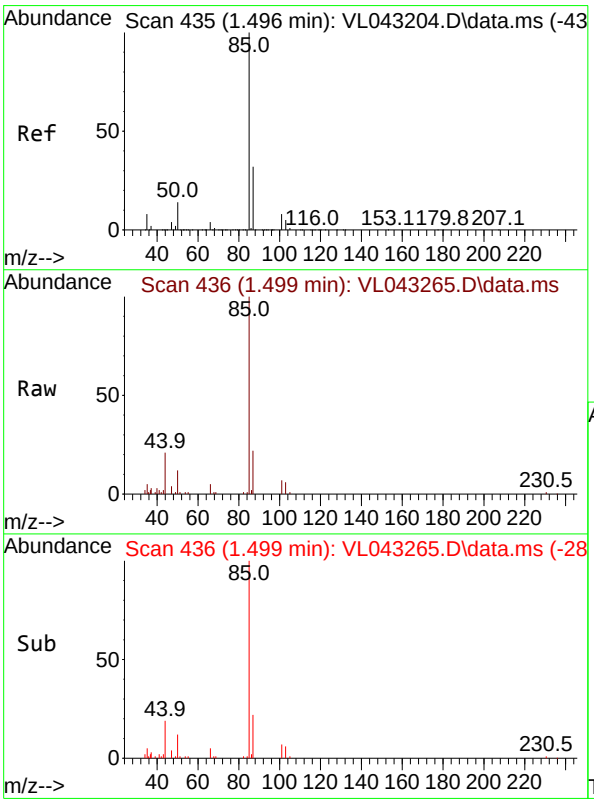
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 49 Resp: 104404

Ion	Ratio	Lower	Upper
49	100		
128	49.0	23.0	69.0
130	64.2	29.9	89.7

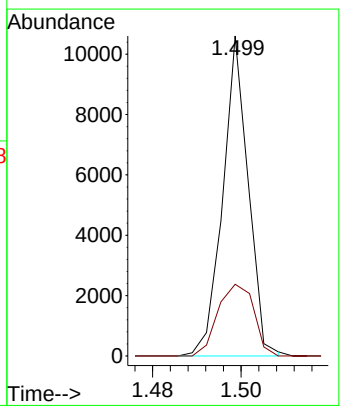


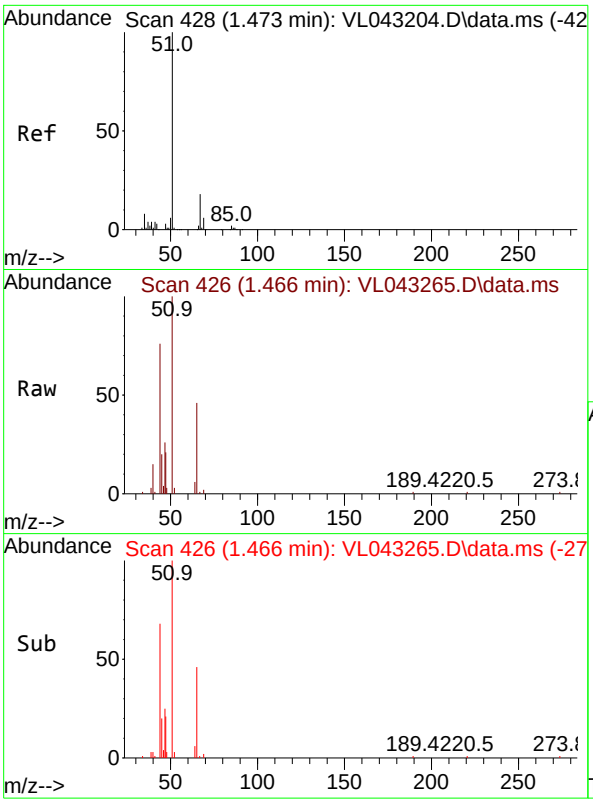


#2
Dichlorodifluoromethane
Concen: 0.287 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 85 Resp: 4231

Ion	Ratio	Lower	Upper
85	100		
87	22.4	25.4	38.2#



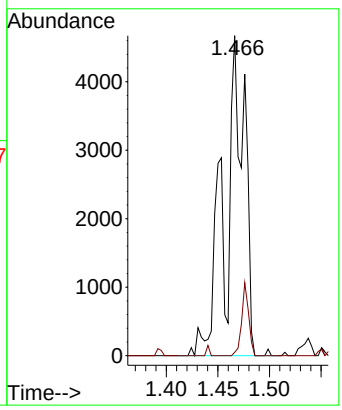


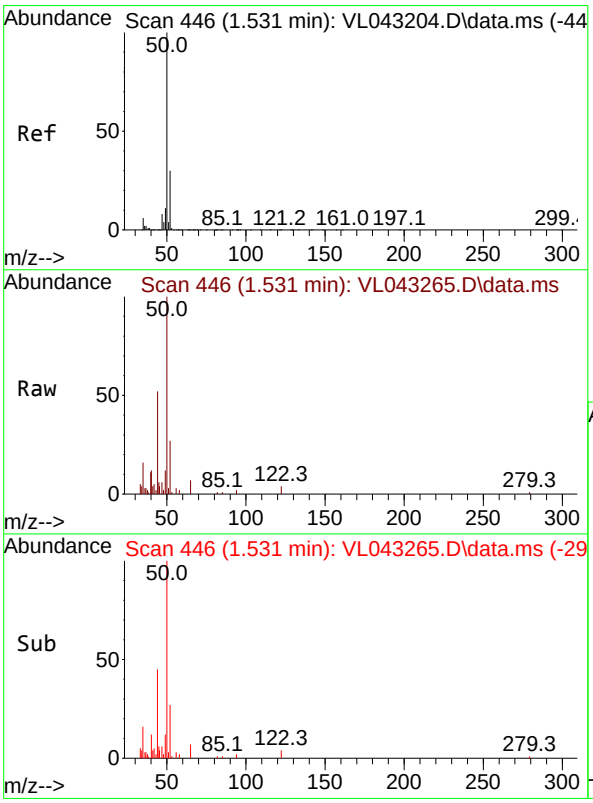
#3
Chlorodifluoromethane
Concen: 0.424 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 51 Resp: 6144

Ion	Ratio	Lower	Upper
51	100		
67	8.1	14.9	22.3#

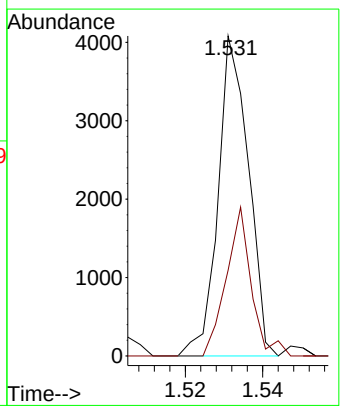


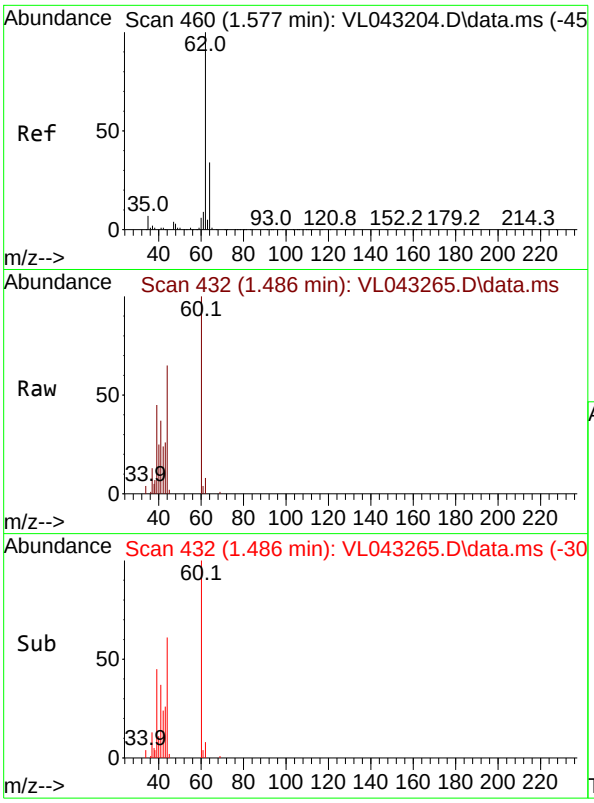


#4
Chloromethane
Concen: 0.404 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 50 Resp: 2226

Ion	Ratio	Lower	Upper
50	100		
52	26.8	24.1	36.1



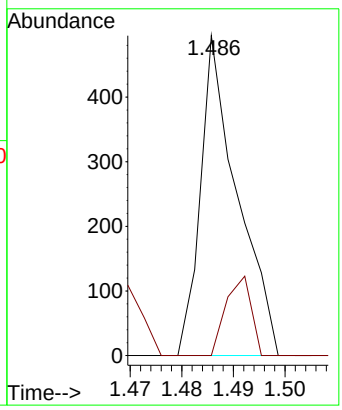


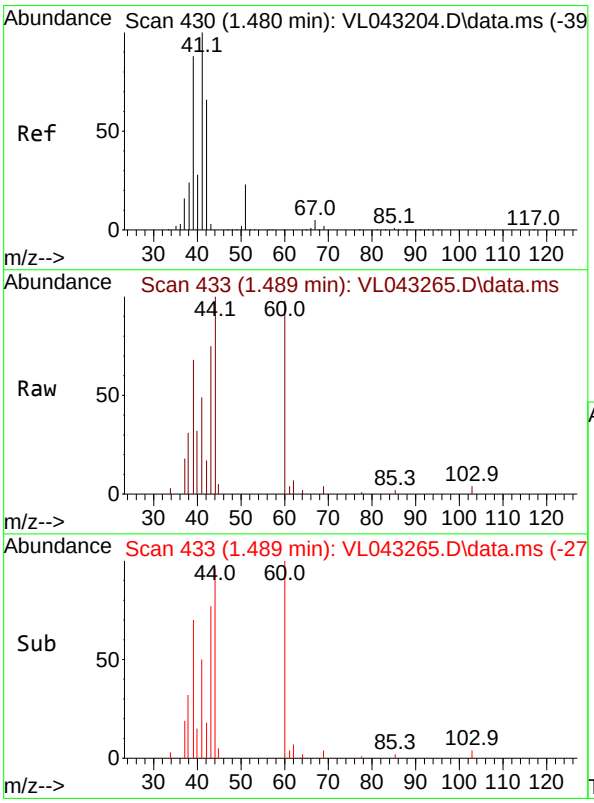
#5
Vinyl Chloride
Concen: 0.041 ppbv
RT: 1.486 min Scan# 4
Delta R.T. -0.091 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 62 Resp: 246

Ion	Ratio	Lower	Upper
62	100		
64	0.0	27.3	40.9#

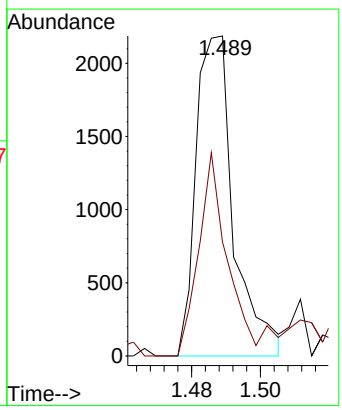


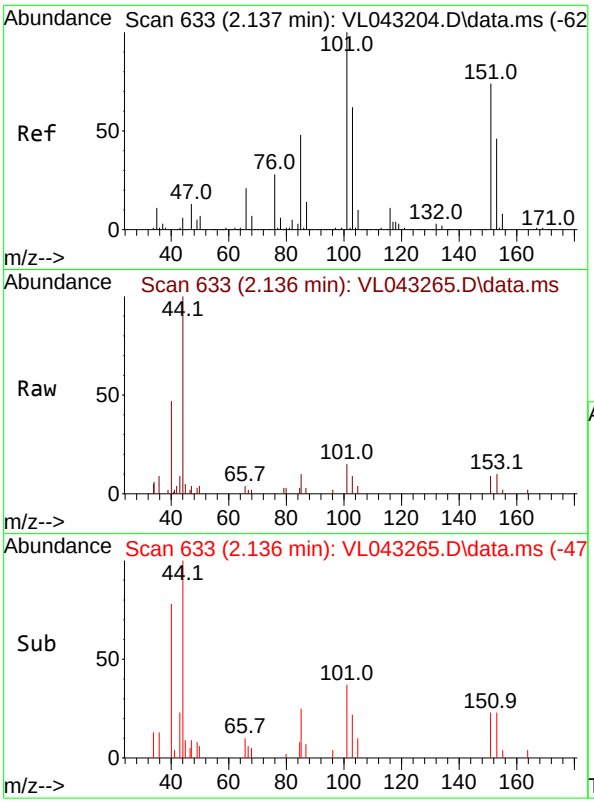


#9
Propene
Concen: 0.270 ppbv
RT: 1.489 min Scan# 433
Delta R.T. 0.009 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 41 Resp: 1663

Ion	Ratio	Lower	Upper
41	100		
42	64.6	3.7	5.5#



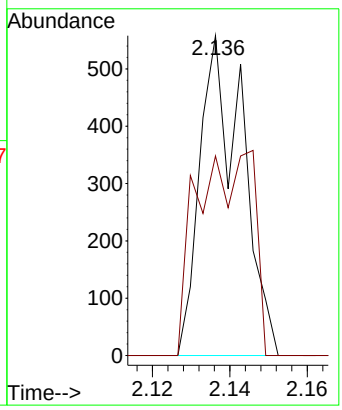


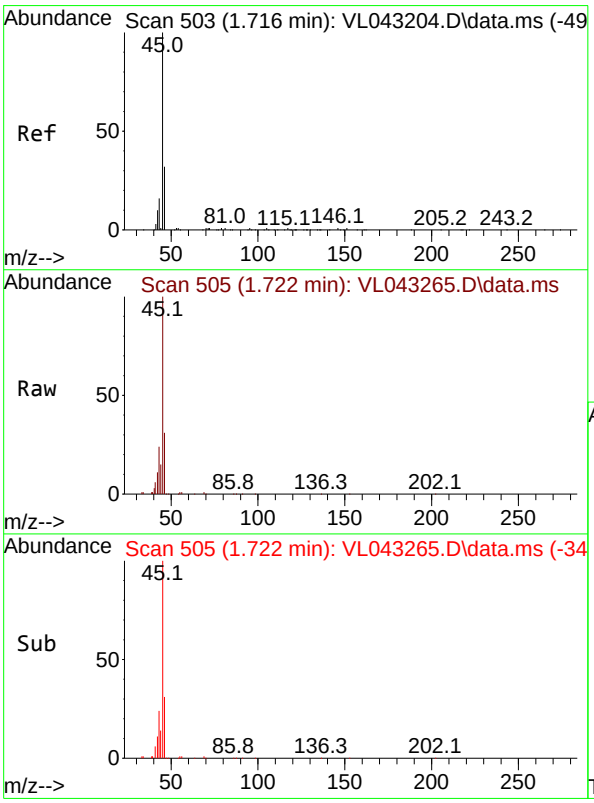
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.038 ppbv
RT: 2.136 min Scan# 6
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:101 Resp: 422

Ion	Ratio	Lower	Upper
101	100		
151	86.3	59.2	88.8

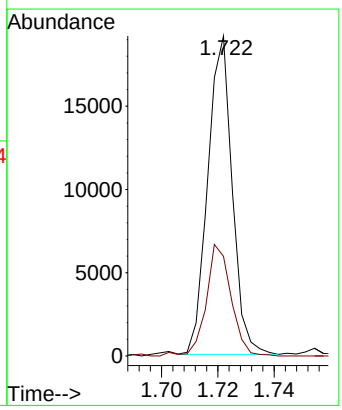


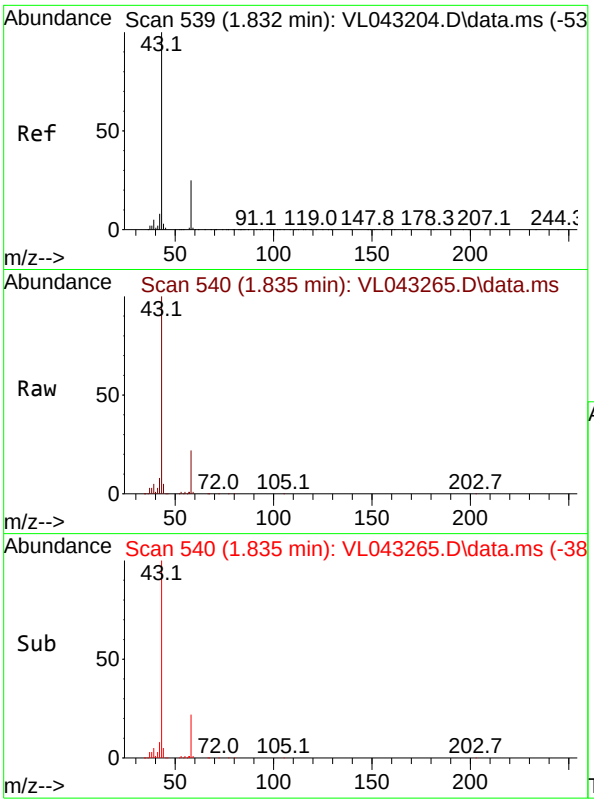


#13
Ethanol
Concen: 5.328 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 45 Resp: 11522

Ion	Ratio	Lower	Upper
45	100		
46	36.0	15.0	59.8



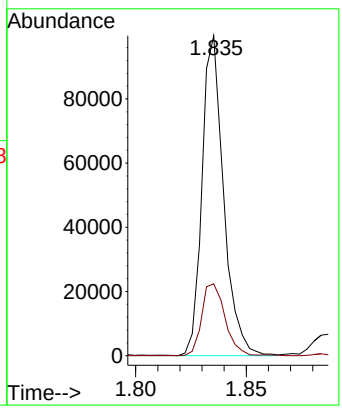


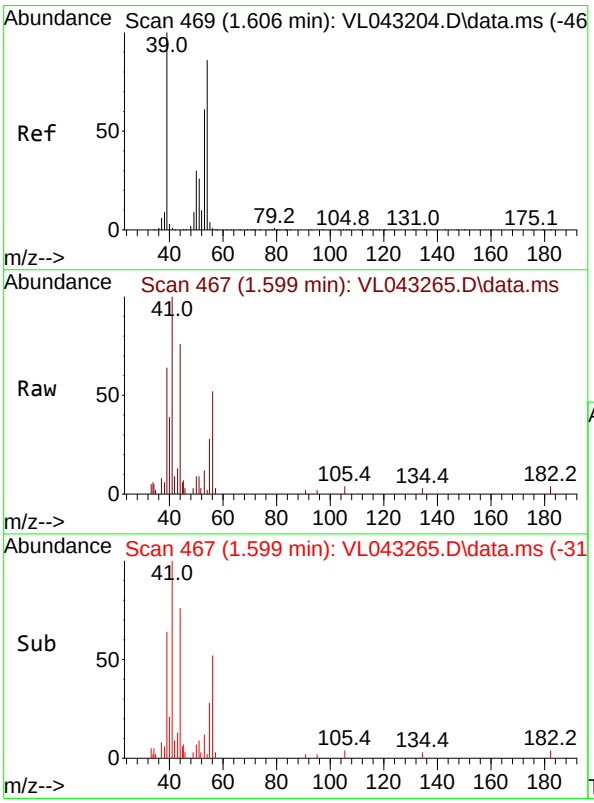
#15
Acetone
Concen: 4.668 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 43 Resp: 67707

Ion	Ratio	Lower	Upper
43	100		
58	24.3	20.7	31.1

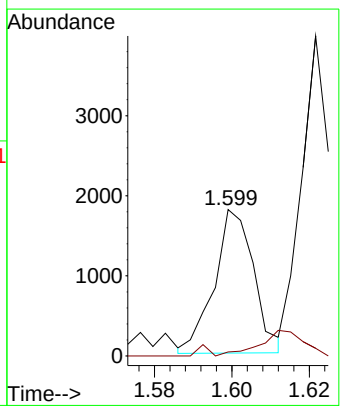


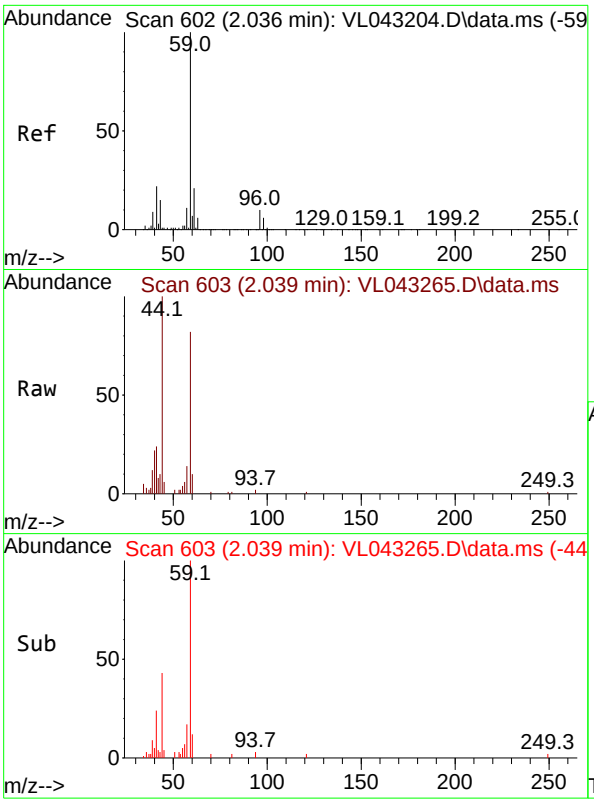


#16
1,3-Butadiene
Concen: 0.197 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.007 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 39 Resp: 1272

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#



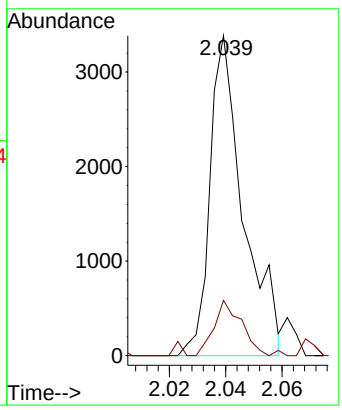


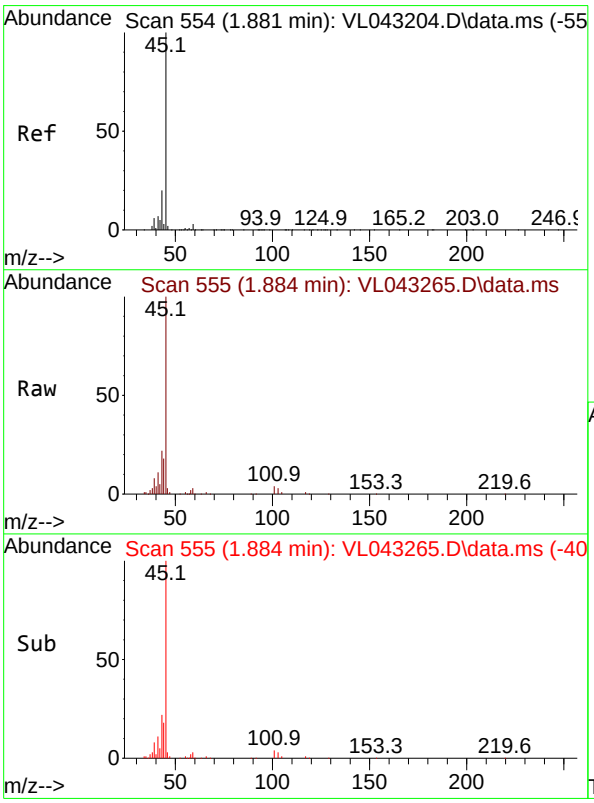
#17
tert-Butyl alcohol
Concen: 0.146 ppbv
RT: 2.039 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 59 Resp: 2783

Ion	Ratio	Lower	Upper
59	100		
57	15.6	9.0	13.4#

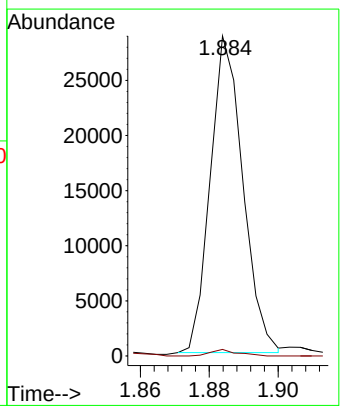


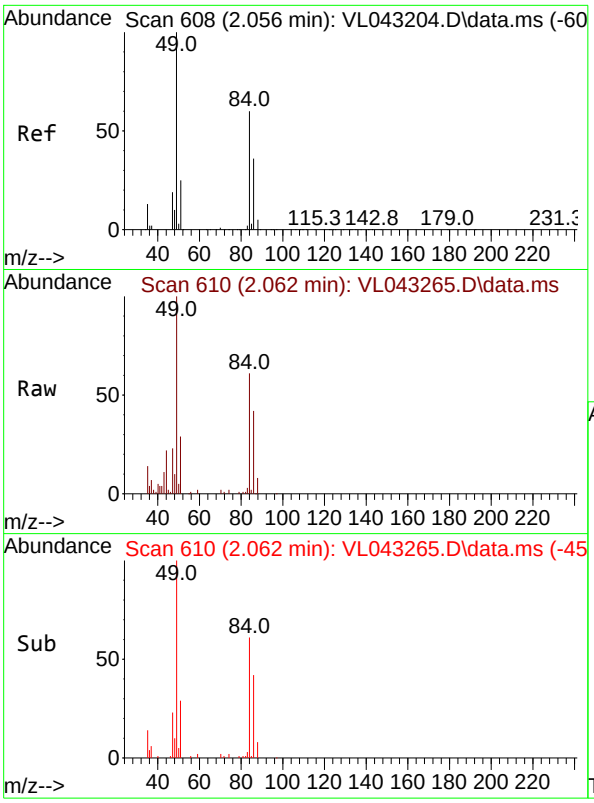


#19
Isopropyl Alcohol
Concen: 2.300 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 45 Resp: 18854

Ion	Ratio	Lower	Upper
45	100		
58	87.3	31.3	46.9#



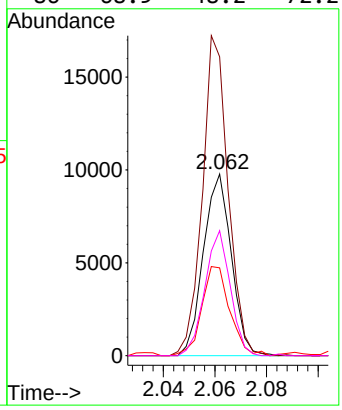


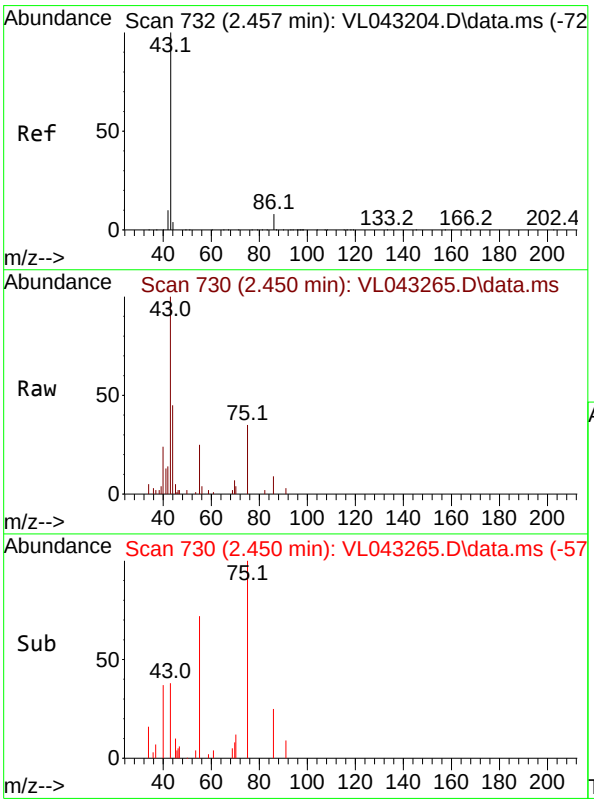
#20
Methylene Chloride
Concen: 1.019 ppbv
RT: 2.062 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 84 Resp: 7368

Ion	Ratio	Lower	Upper
84	100		
49	164.7	132.9	199.3
51	47.7	34.8	52.2
86	68.9	48.2	72.2

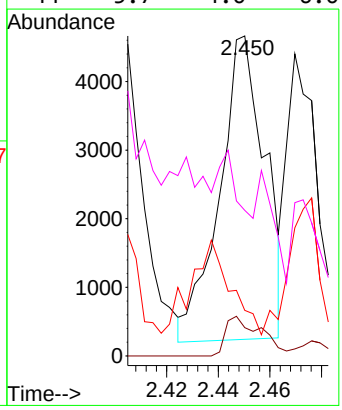


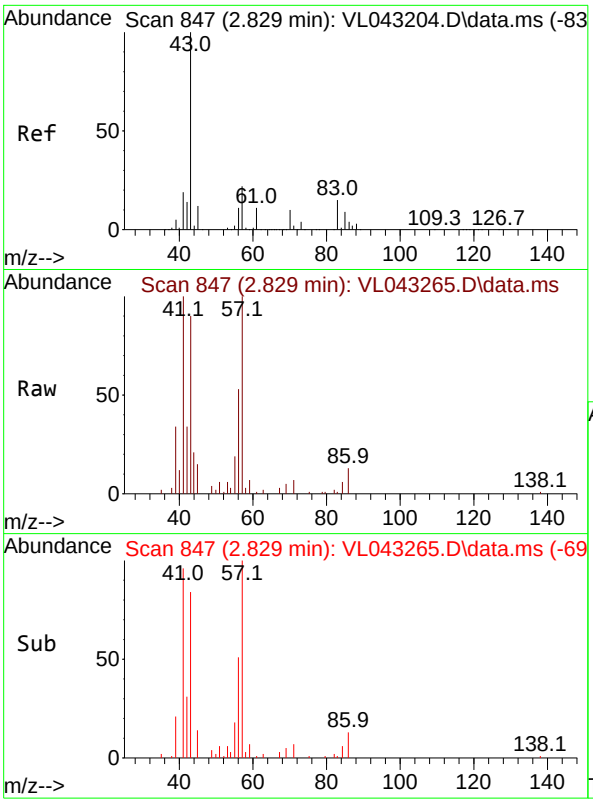


#23
Vinyl Acetate
Concen: 0.307 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.007 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 43 Resp: 5382

Ion	Ratio	Lower	Upper
43	100		
86	10.0	6.2	9.2#
42	3.2	8.0	12.0#
44	5.7	4.0	6.0



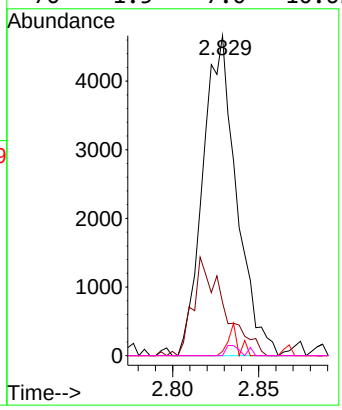


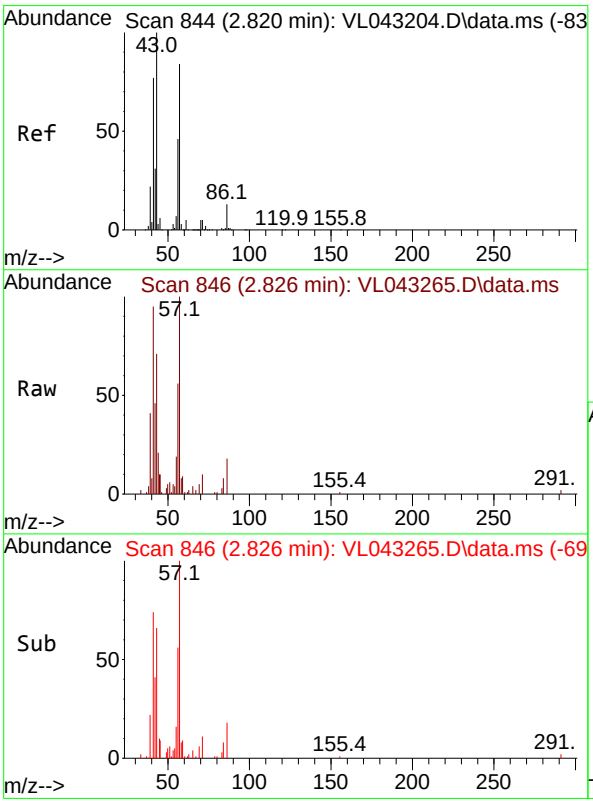
#25
Ethyl Acetate
Concen: 0.202 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 43 Resp: 6332

Ion	Ratio	Lower	Upper
43	100		
45	28.7	8.1	12.1#
61	2.9	7.0	10.4#
70	1.5	7.0	10.6#

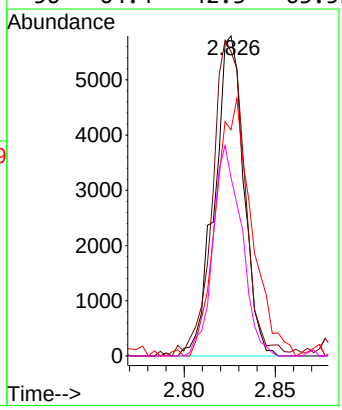


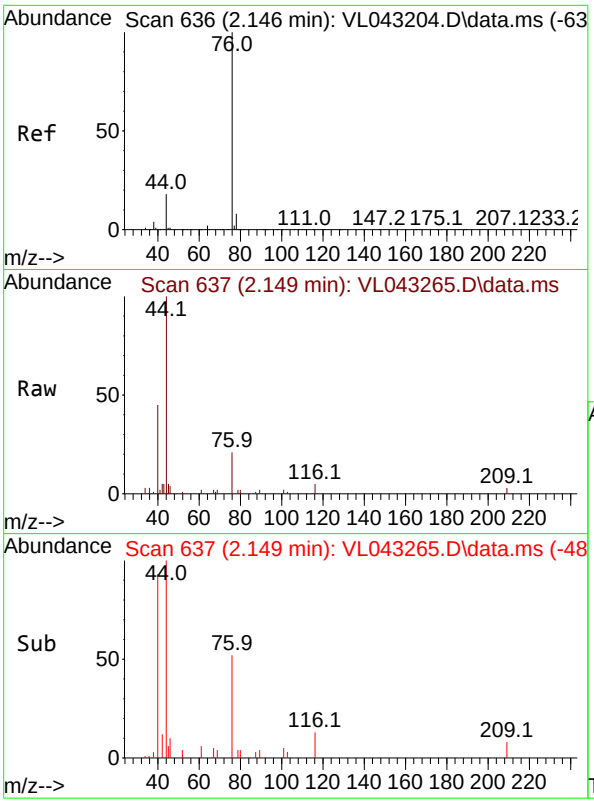


#26
Hexane
Concen: 0.473 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 57 Resp: 6491

Ion	Ratio	Lower	Upper
57	100		
41	108.9	74.6	111.8
43	101.1	179.0	268.4#
56	64.4	42.3	63.5#



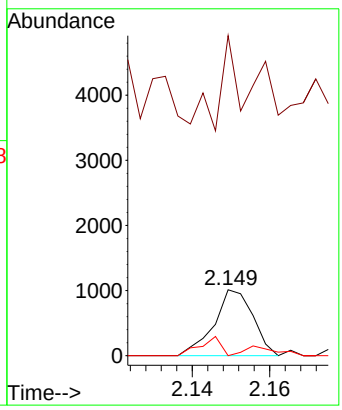


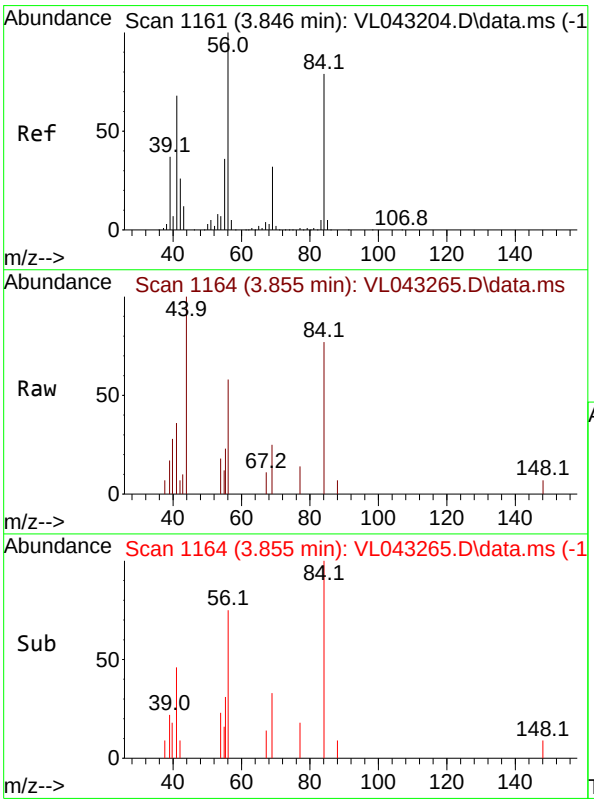
#27
Carbon Disulfide
Concen: 0.050 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 76 Resp: 707

Ion	Ratio	Lower	Upper
76	100		
44	1054.9	16.1	24.1#
78	27.0	9.6	14.4#

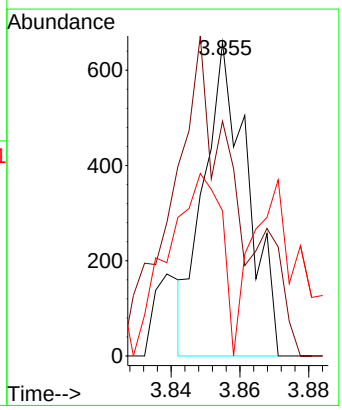


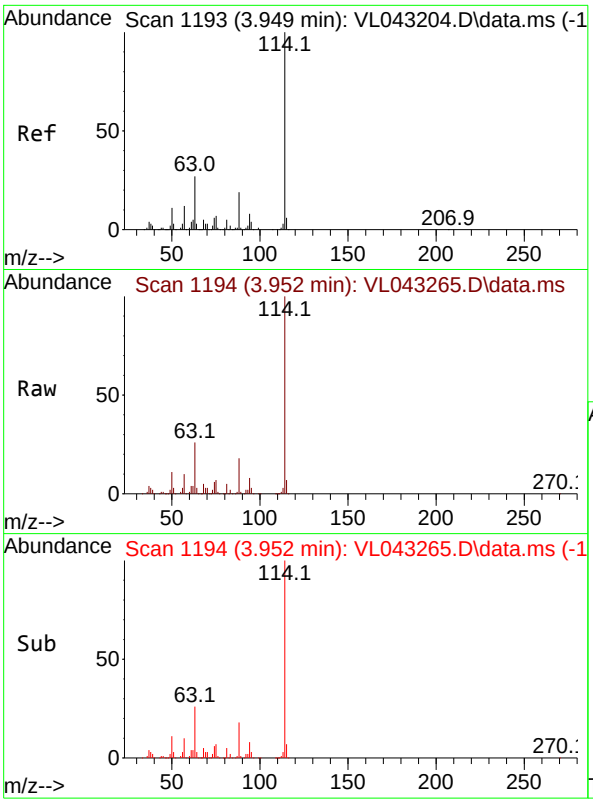


#30
Cyclohexane
Concen: 0.050 ppbv
RT: 3.855 min Scan# 1164
Delta R.T. 0.009 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 84 Resp: 575

Ion	Ratio	Lower	Upper
84	100		
56	162.6	104.7	157.1#
41	136.3	69.0	103.6#



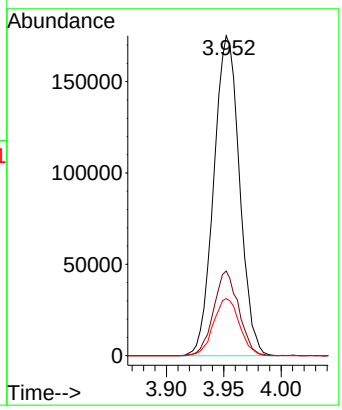


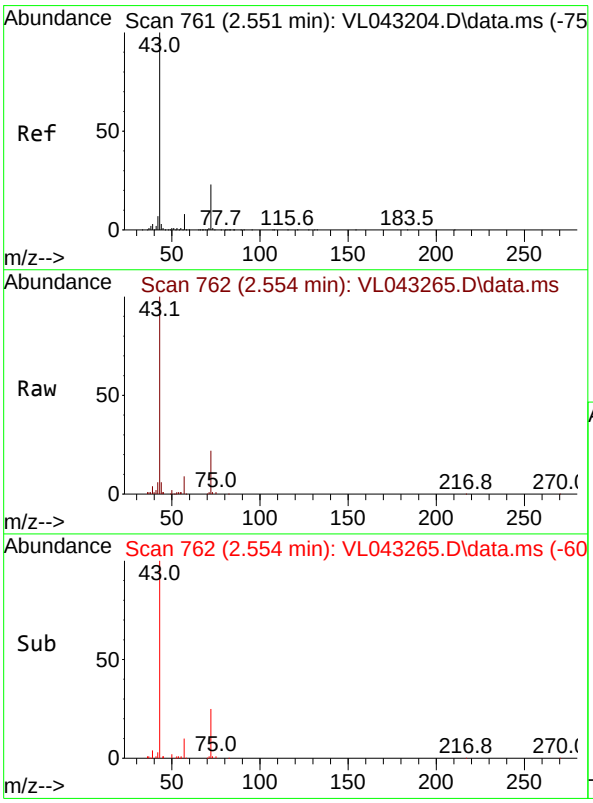
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:114 Resp: 273214

Ion	Ratio	Lower	Upper
114	100		
63	25.8	21.0	31.6
88	18.0	14.9	22.3

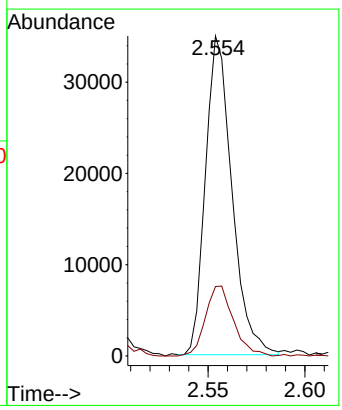


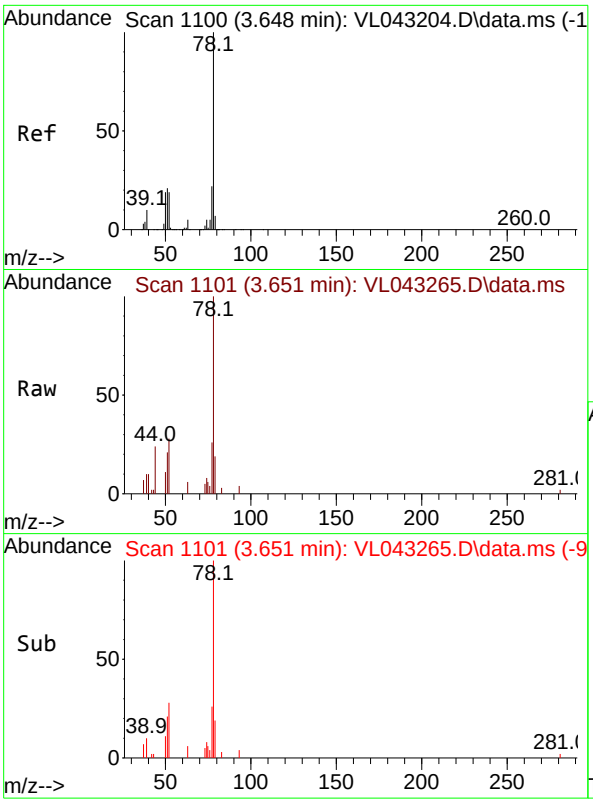


#34
2-Butanone
Concen: 1.724 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 43 Resp: 33252

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.1	27.1



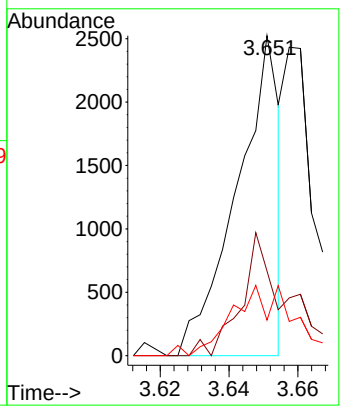


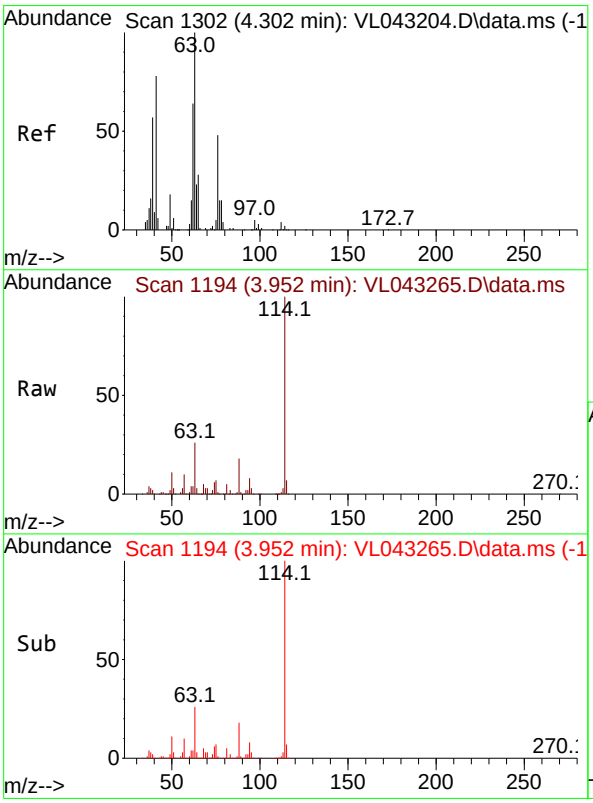
#36
Benzene
Concen: 0.082 ppbv
RT: 3.651 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 78 Resp: 2152

Ion	Ratio	Lower	Upper
78	100		
77	26.4	17.5	26.3#
50	7.9	15.5	23.3#

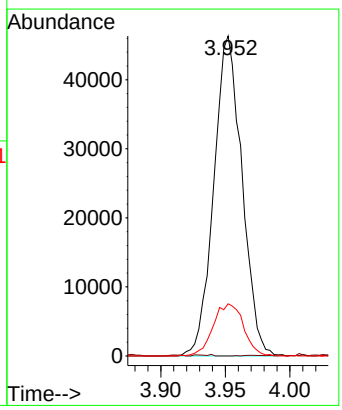


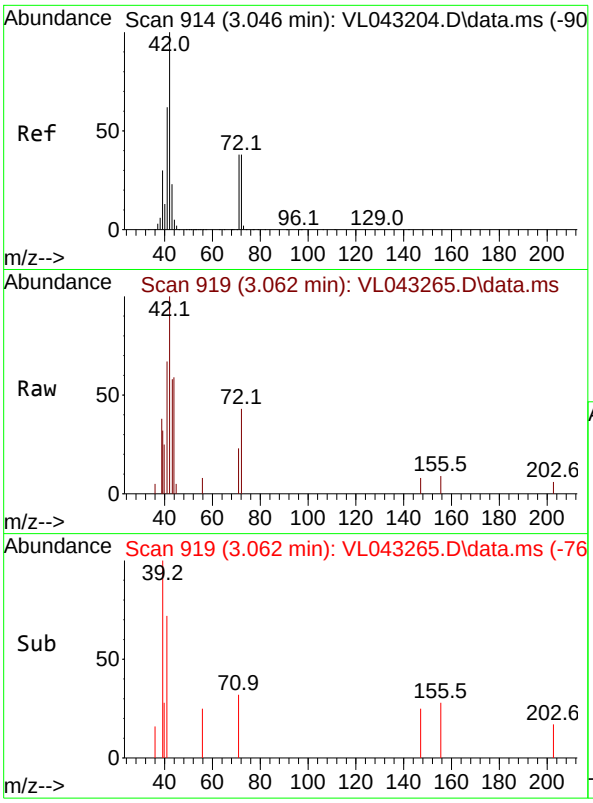


#39
1,2-Dichloropropane
Concen: 7.341 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.350 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 63 Resp: 70299

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	93.8#
62	16.3	51.0	76.6#



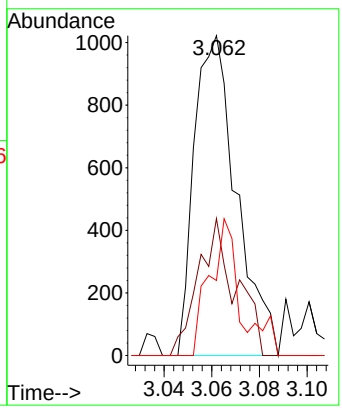


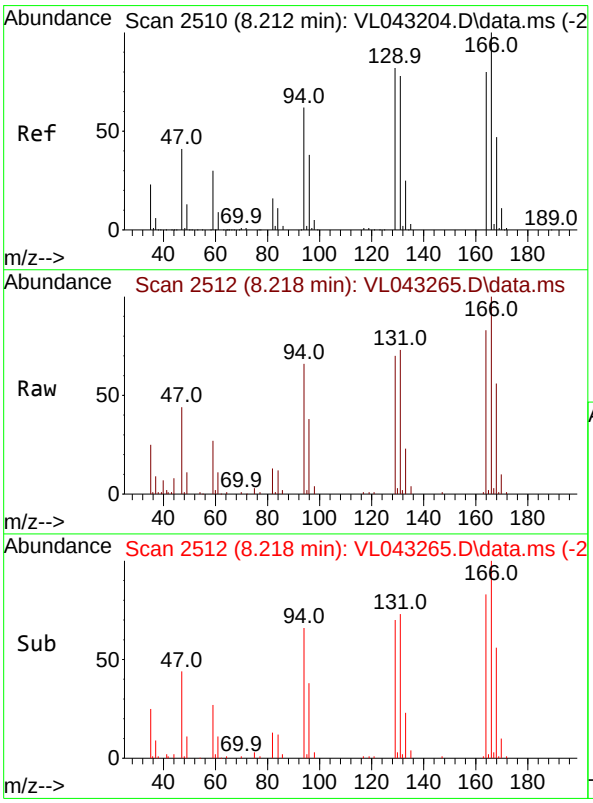
#41
Tetrahydrofuran
Concen: 0.118 ppbv
RT: 3.062 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 42 Resp: 1258

Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.6	46.0
71	31.2	30.5	45.7

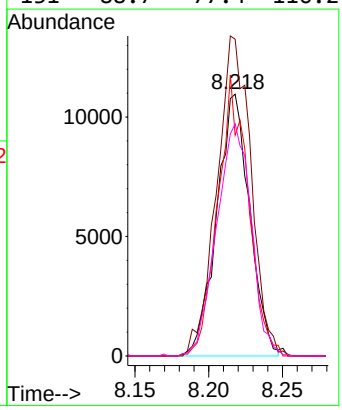


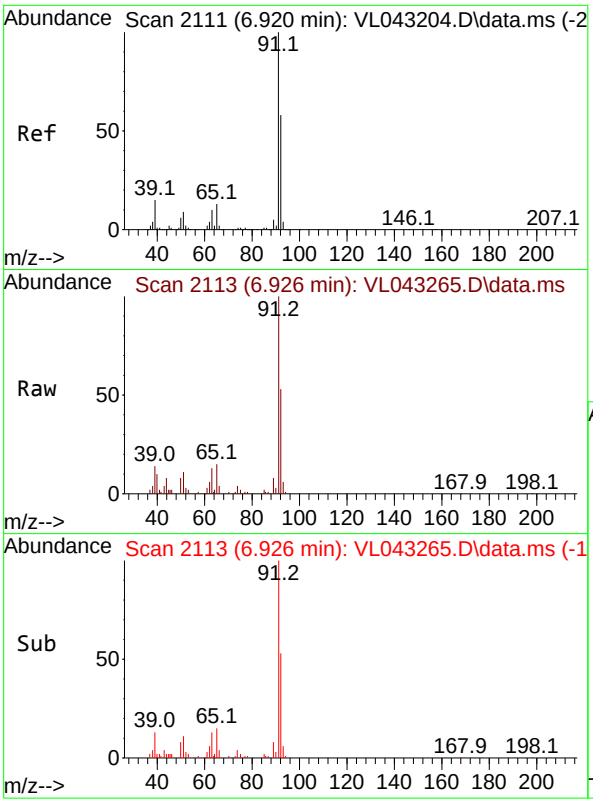


#52
Tetrachloroethene
Concen: 1.746 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:164 Resp: 16991

Ion	Ratio	Lower	Upper
164	100		
166	121.0	99.4	149.2
129	84.4	81.8	122.8
131	88.7	77.4	116.2



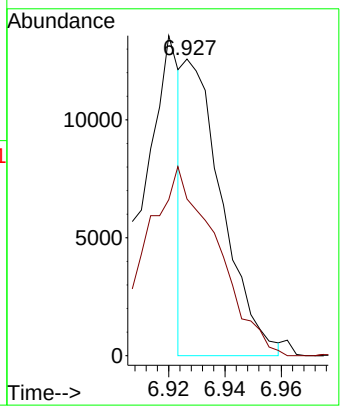


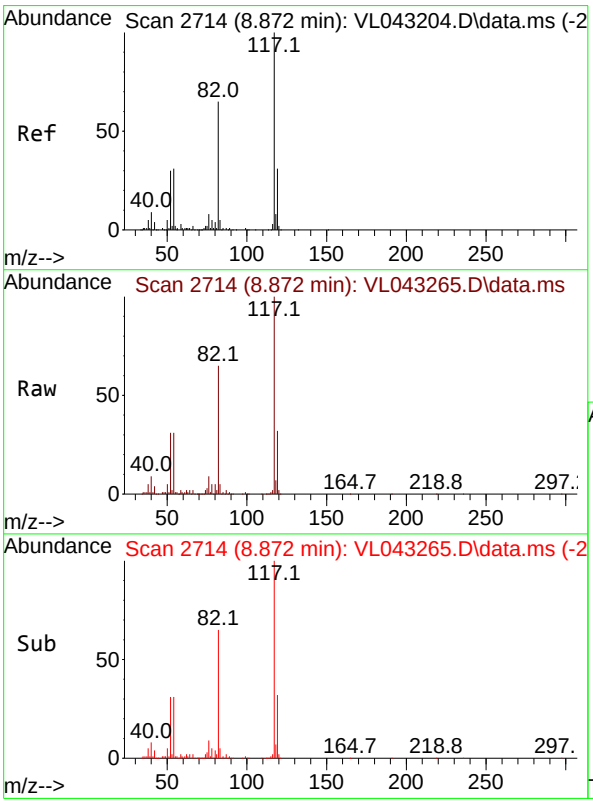
#53
Toluene
Concen: 0.387 ppbv
RT: 6.926 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 91 Resp: 11980

Ion	Ratio	Lower	Upper
91	100		
92	122.4	47.4	71.0#

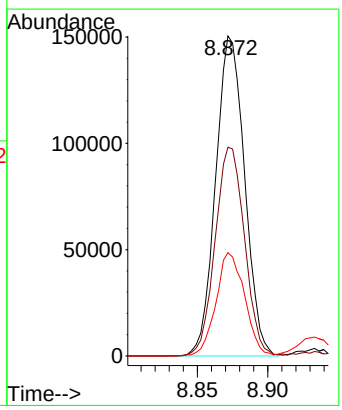


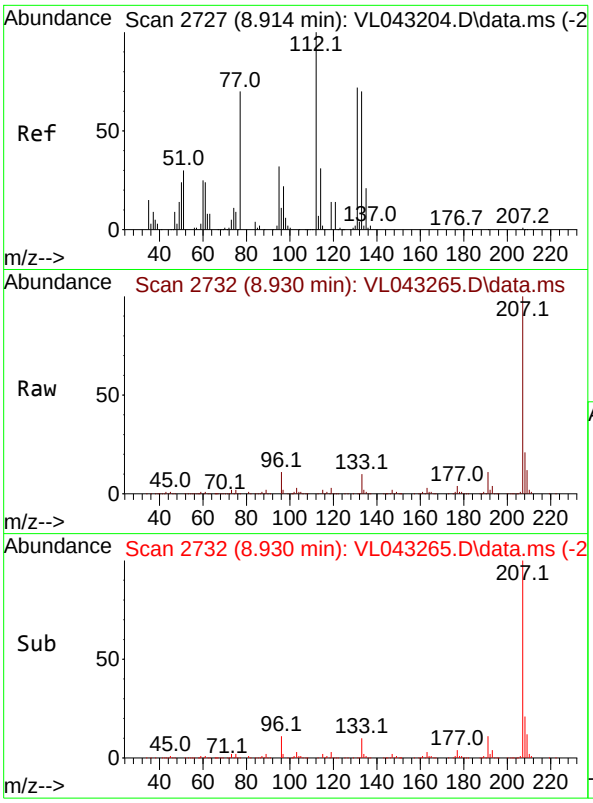


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:117 Resp: 215431

Ion	Ratio	Lower	Upper
117	100		
82	66.4	56.1	84.1
119	32.1	25.0	37.6



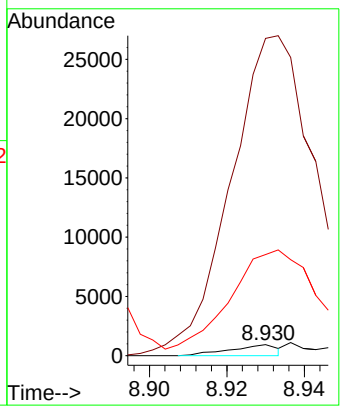


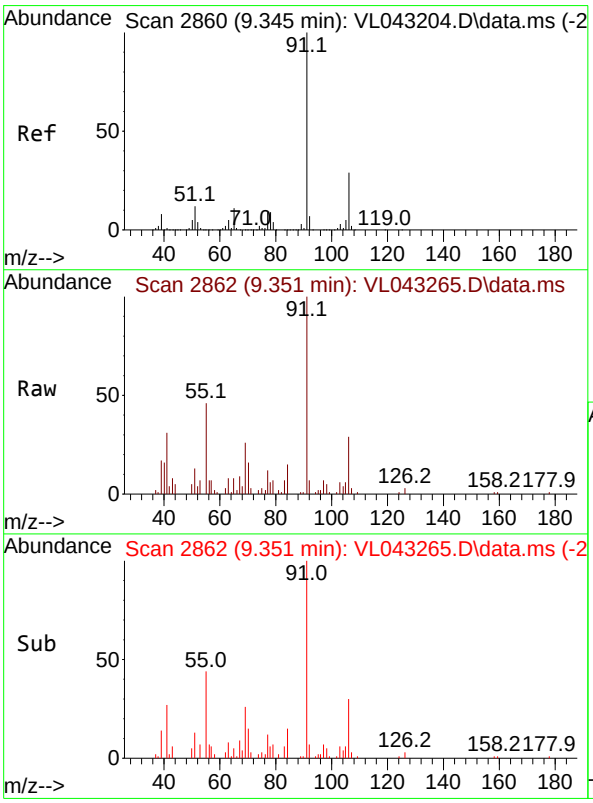
#56
1,1,1,2-Tetrachloroethane
Concen: 0.049 ppbv
RT: 8.930 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:131 Resp: 781

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.4	116.2#
119	8848.9	49.1	73.7#

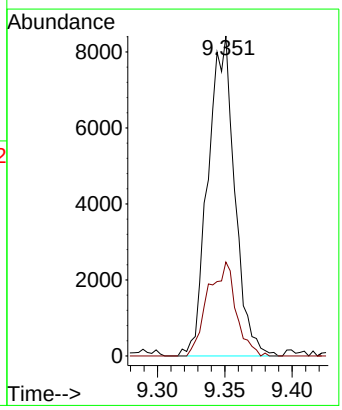


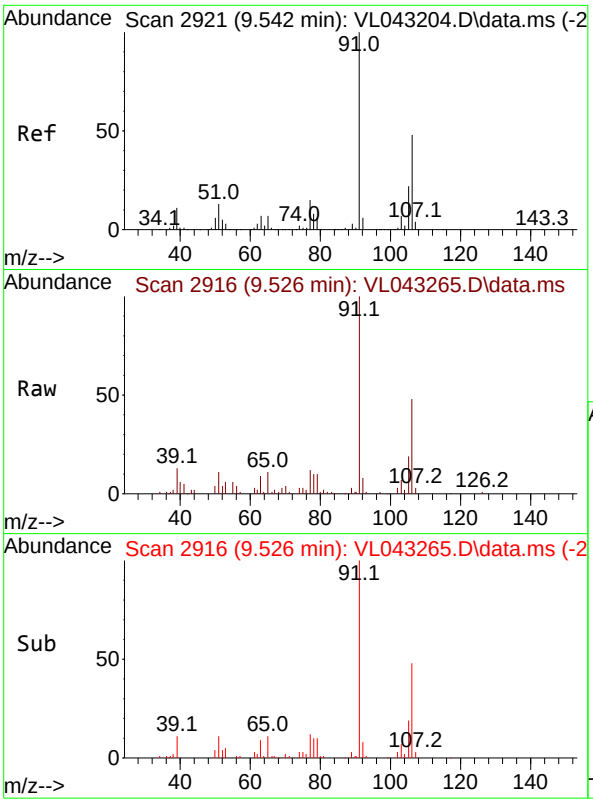


#58
Ethyl Benzene
Concen: 0.280 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 91 Resp: 11600

Ion	Ratio	Lower	Upper
91	100		
106	29.3	22.8	34.2



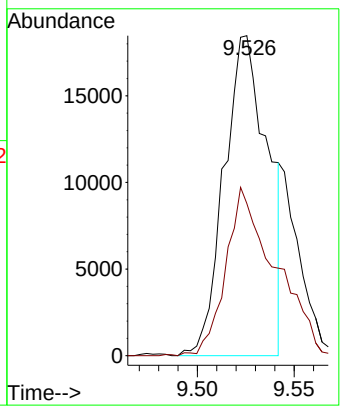


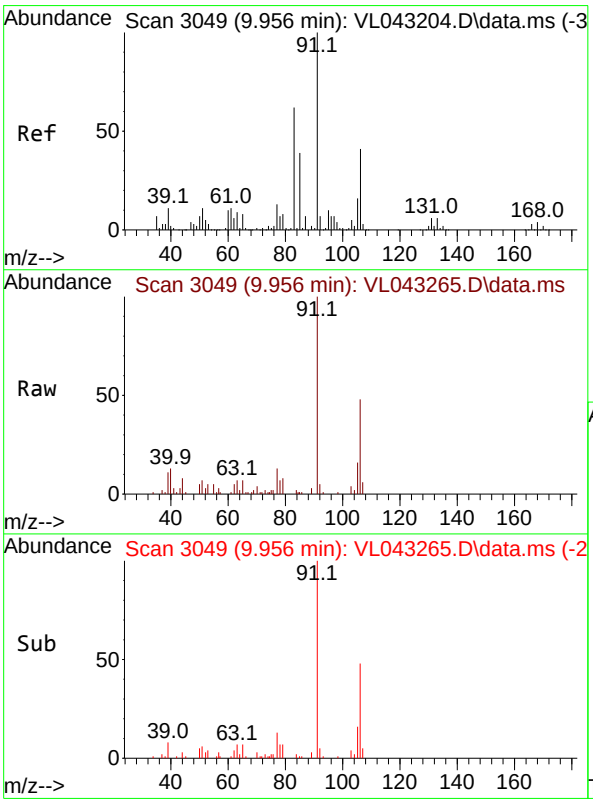
#59
m/p-Xylene
Concen: 0.872 ppbv
RT: 9.526 min Scan# 2
Delta R.T. -0.017 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 91 Resp: 28979

Ion	Ratio	Lower	Upper
91	100		
106	59.5	36.1	54.1#

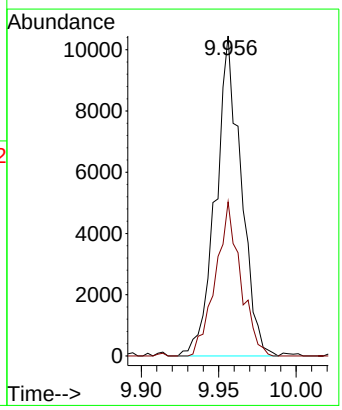


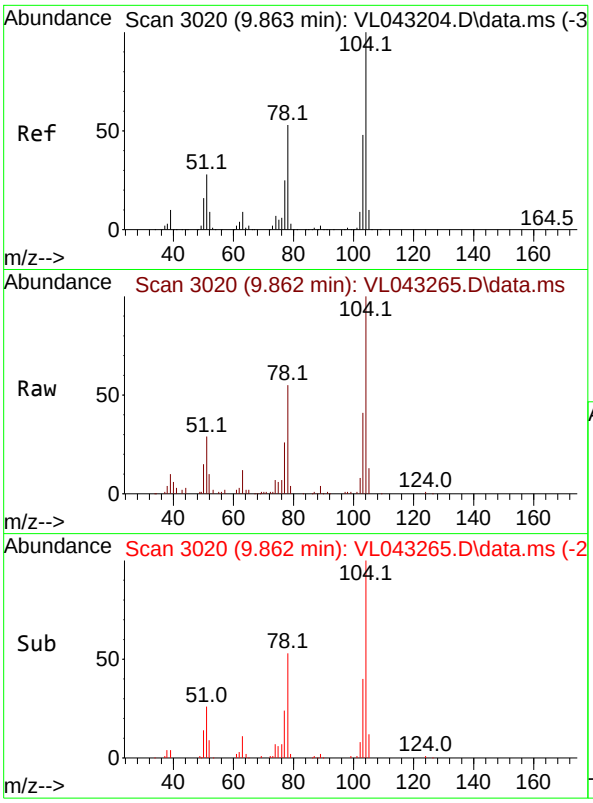


#60
o-Xylene
Concen: 0.359 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion: 91 Resp: 11915

Ion	Ratio	Lower	Upper
91	100		
106	47.7	20.9	62.8



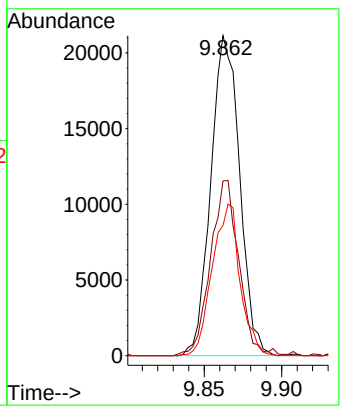


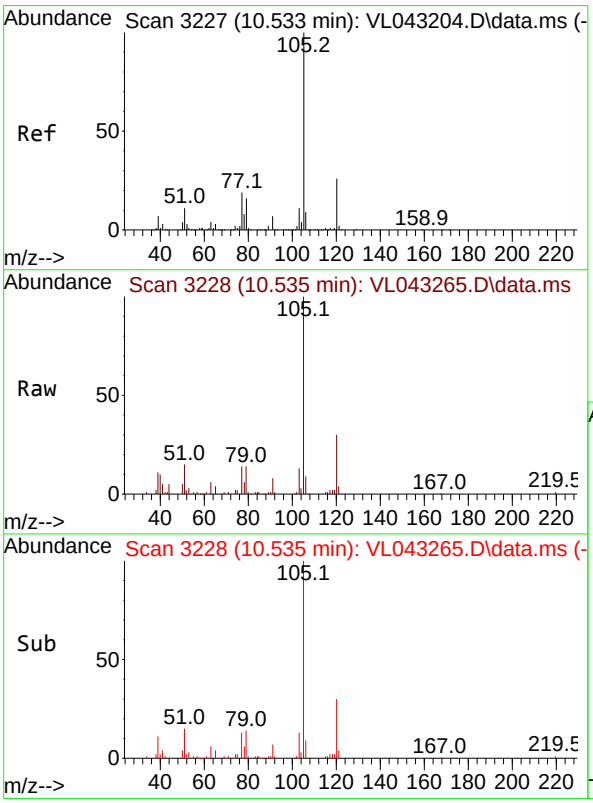
#61
Styrene
Concen: 1.884 ppbv
RT: 9.862 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:104 Resp: 27380

Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.1	63.1
103	45.6	37.2	55.8

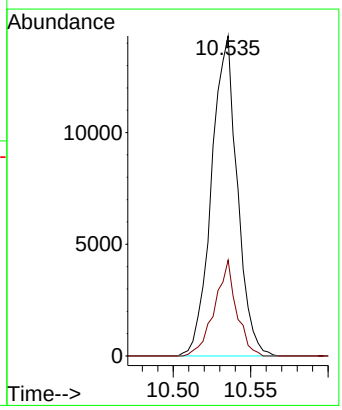


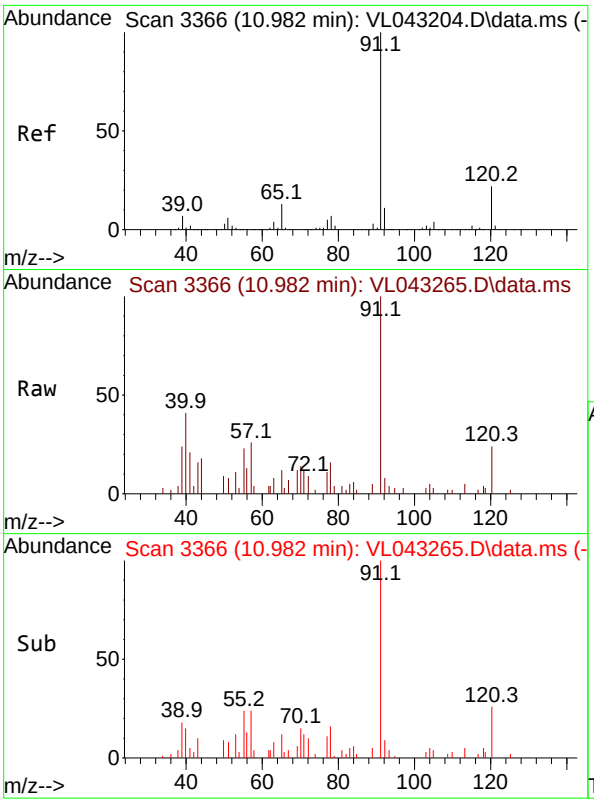


#62
Isopropylbenzene
Concen: 0.279 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:105 Resp: 16584

Ion	Ratio	Lower	Upper
105	100		
120	25.4	19.8	29.8



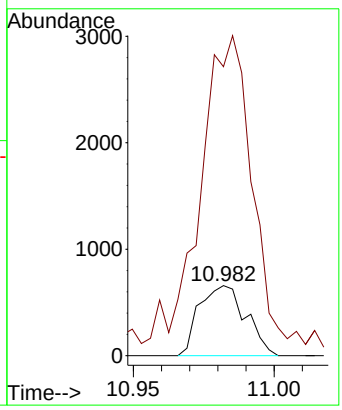


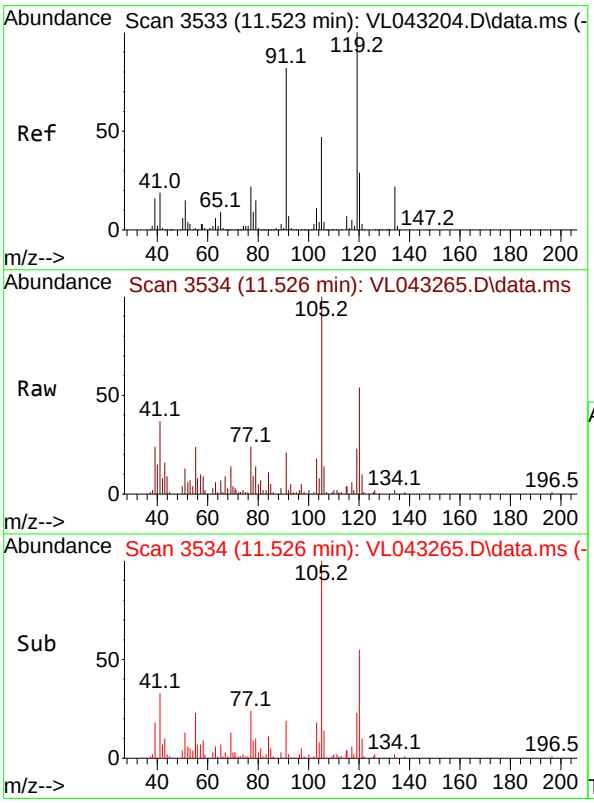
#64
n-propylbenzene
Concen: 0.050 ppbv
RT: 10.982 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:120 Resp: 758

Ion	Ratio	Lower	Upper
120	100		
91	514.8	377.1	565.7

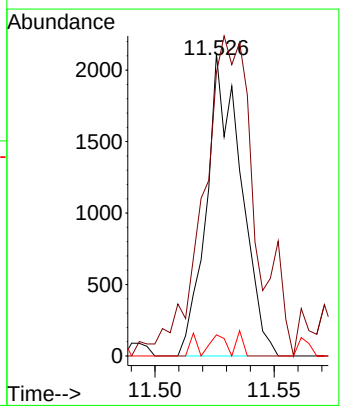


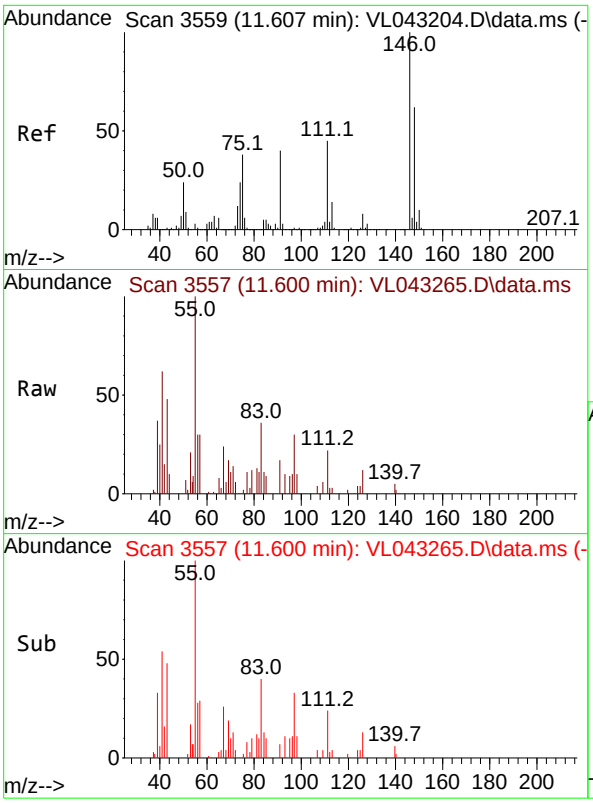


#65
tert-Butylbenzene
Concen: 0.040 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:119 Resp: 2131

Ion	Ratio	Lower	Upper
119	100		
91	163.2	65.3	97.9#
134	0.0	17.0	25.4#



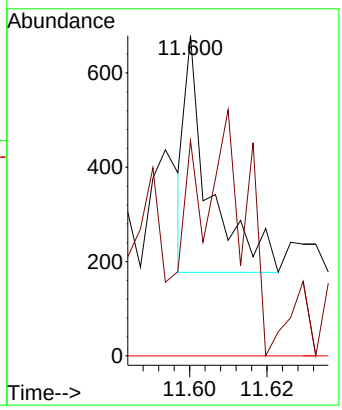


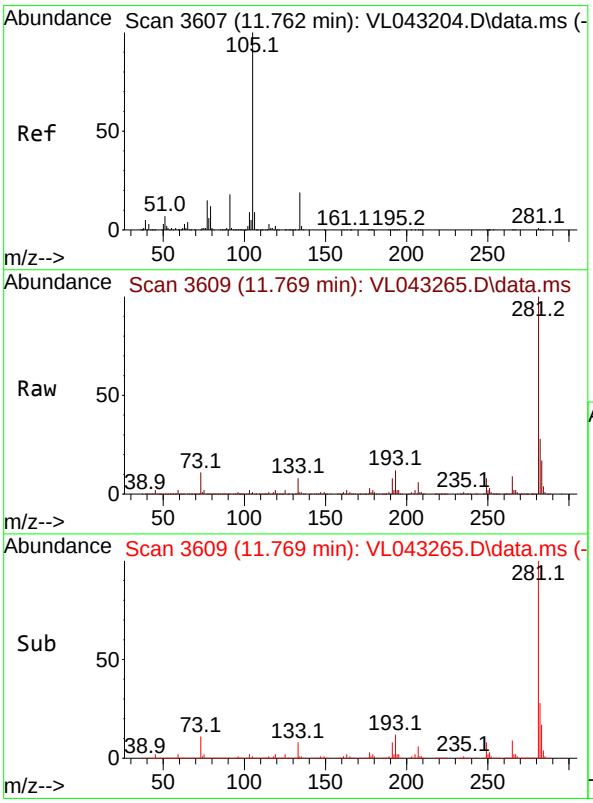
#66
Benzyl Chloride
Concen: 0.040 ppbv
RT: 11.600 min Scan# 3
Delta R.T. -0.007 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 91 Resp: 218

Ion	Ratio	Lower	Upper
91	100		
126	369.7	14.4	21.6#
128	14.2	4.6	6.8#

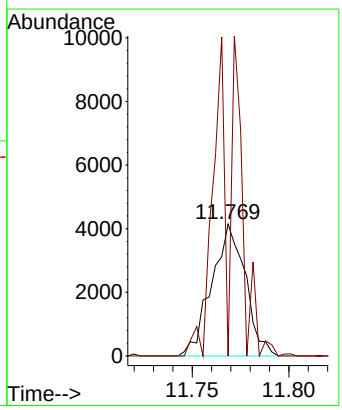


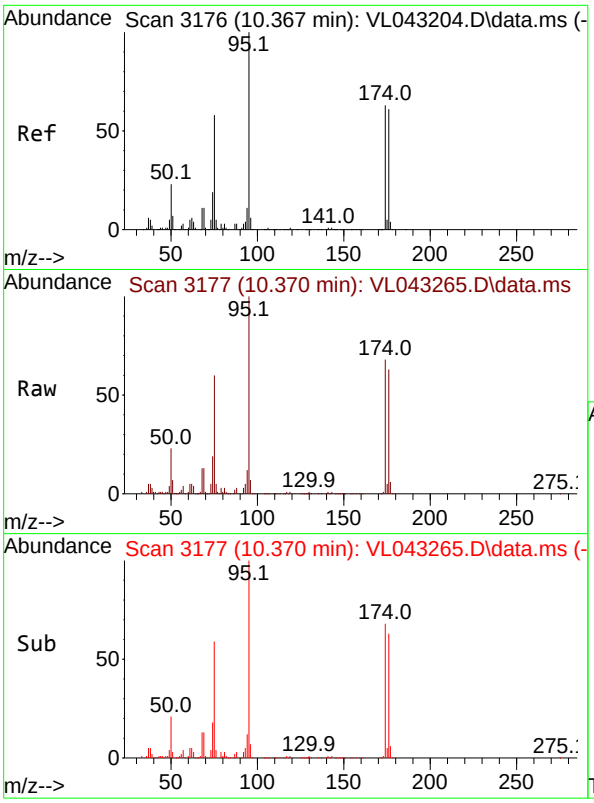


#67
sec-Butylbenzene
Concen: 0.068 ppbv
RT: 11.769 min Scan# 3609
Delta R.T. 0.006 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:105 Resp: 5032

Ion	Ratio	Lower	Upper
105	100		
134	165.0	15.0	22.6#



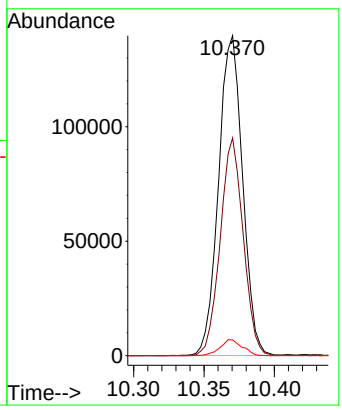


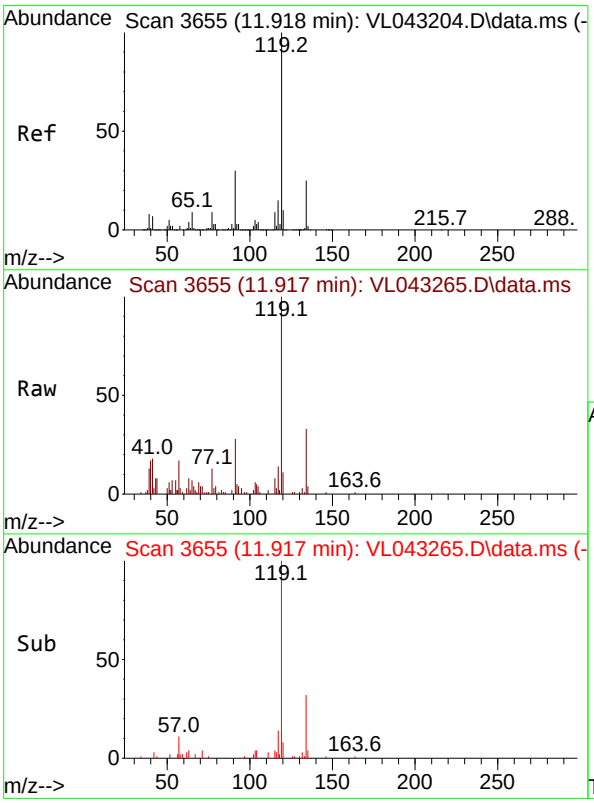
#68
1-Bromo-4-Fluorobenzene
Concen: 10.521 ppbv
RT: 10.370 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 95 Resp: 166134

Ion	Ratio	Lower	Upper
95	100		
174	65.1	50.2	75.2
175	4.7	4.1	6.1

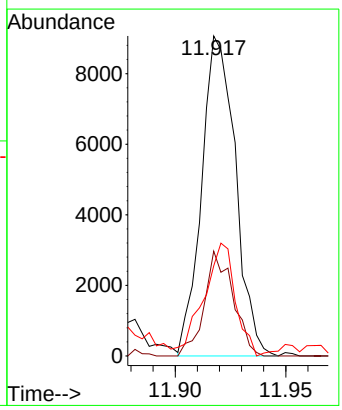


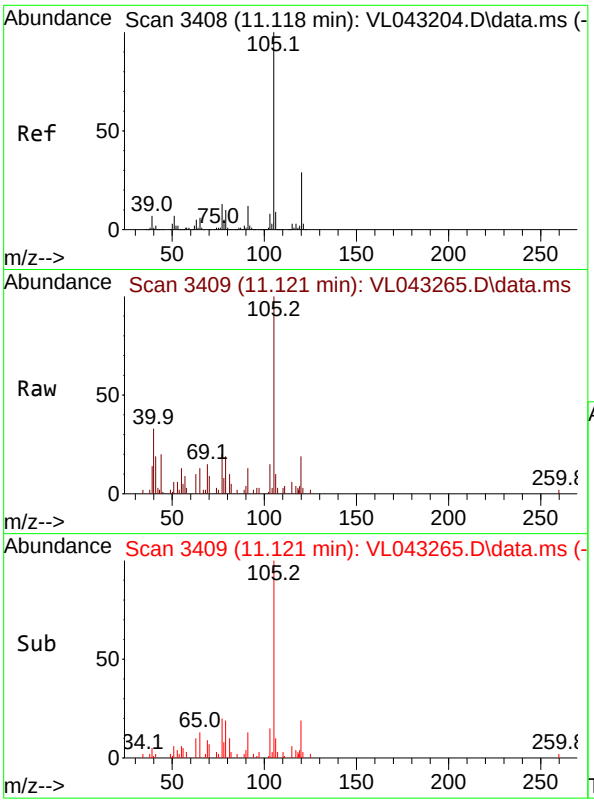


#69
p-Isopropyltoluene
Concen: 0.154 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:119 Resp: 9686

Ion	Ratio	Lower	Upper
119	100		
134	27.8	20.2	30.2
91	32.2	23.8	35.8



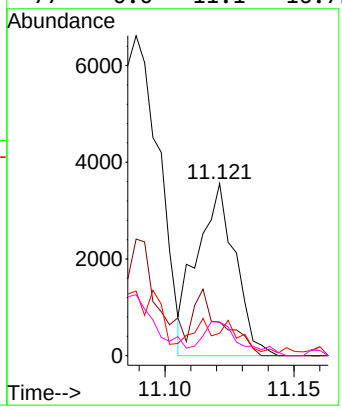


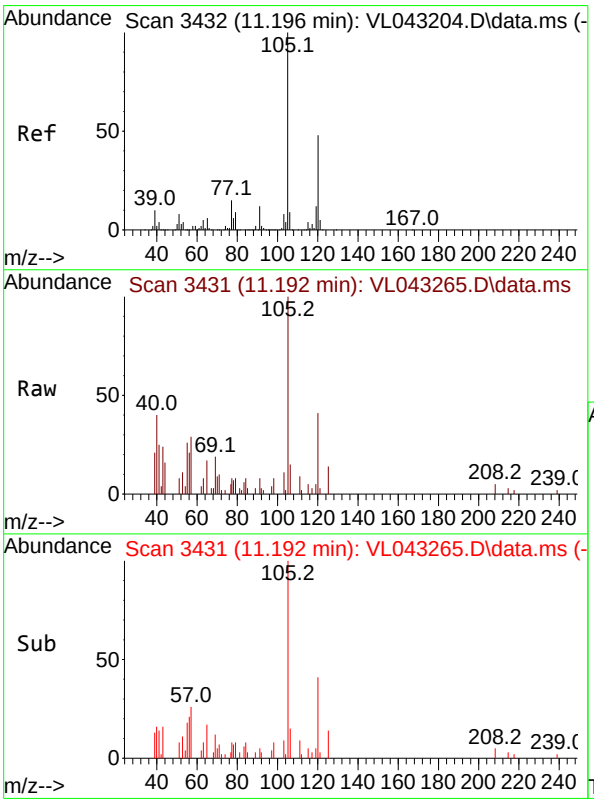
#72
4-Ethyltoluene
Concen: 0.090 ppbv
RT: 11.121 min Scan# 34
Delta R.T. 0.003 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:105 Resp: 3652

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	0.0	10.3	15.5#
77	0.0	11.1	16.7#

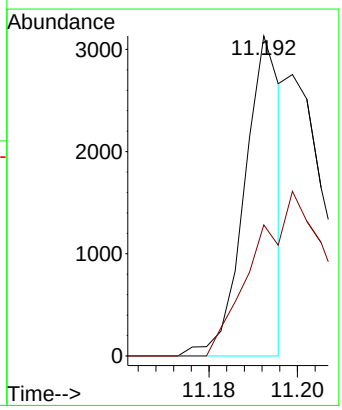


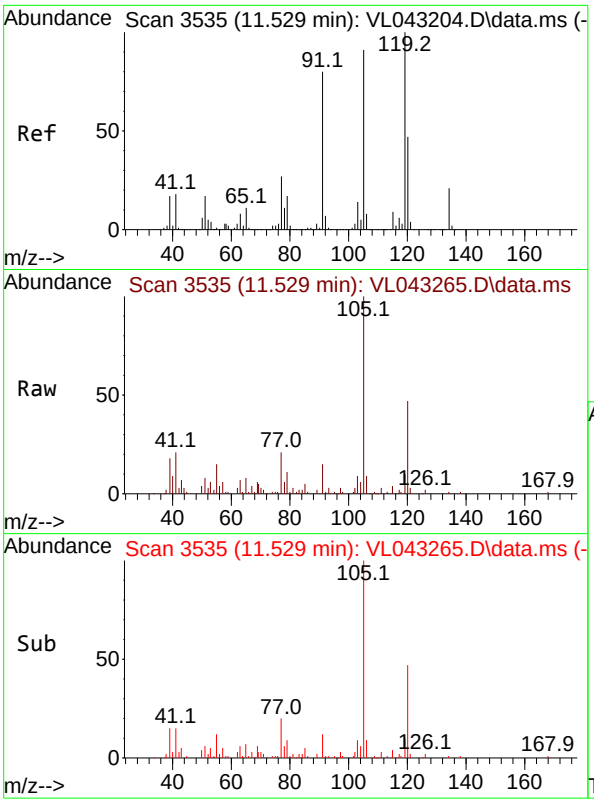


#73
1,3,5-Trimethylbenzene
Concen: 0.053 ppbv
RT: 11.192 min Scan# 3431
Delta R.T. -0.004 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:105 Resp: 1785

Ion	Ratio	Lower	Upper
105	100		
120	41.0	38.6	57.8



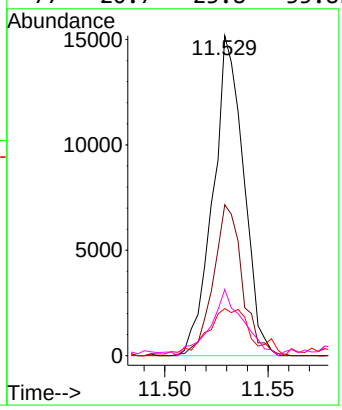


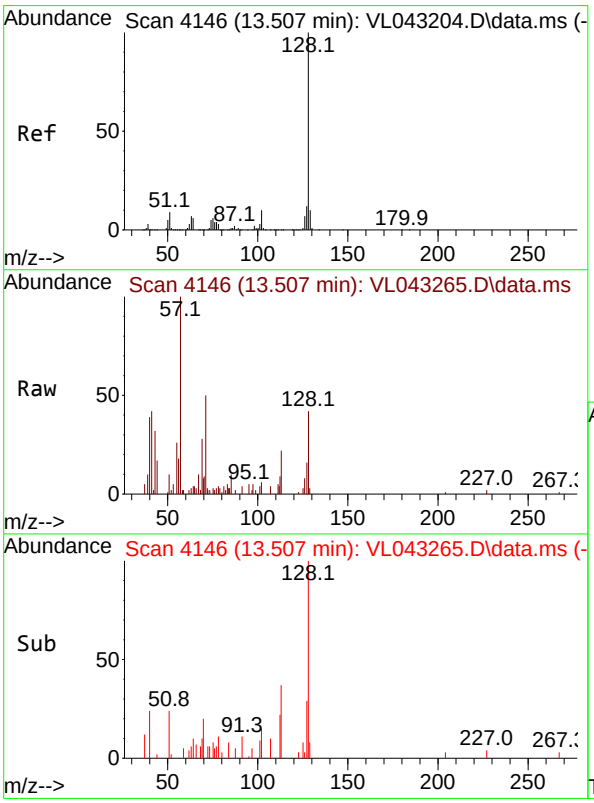
#74
1,2,4-Trimethylbenzene
Concen: 0.421 ppbv
RT: 11.529 min Scan# 3
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:105 Resp: 15609

Ion	Ratio	Lower	Upper
105	100		
120	46.6	41.7	62.5
91	13.7	70.0	105.0#
77	20.7	23.8	35.8#

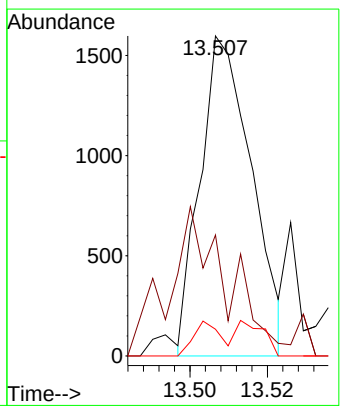




#79
Naphthalene
Concen: 0.045 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.000 min
Lab File: VL043265.D
Acq: 20 Nov 2025 15:06

Tgt Ion:128 Resp: 1474

Ion	Ratio	Lower	Upper
128	100		
127	32.2	9.9	14.9#
129	7.9	8.4	12.6#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043266.D
Acq On : 20 Nov 2025 15:40
Operator : SY/MD
Sample : Q3655-06 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Quant Time: Nov 21 00:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

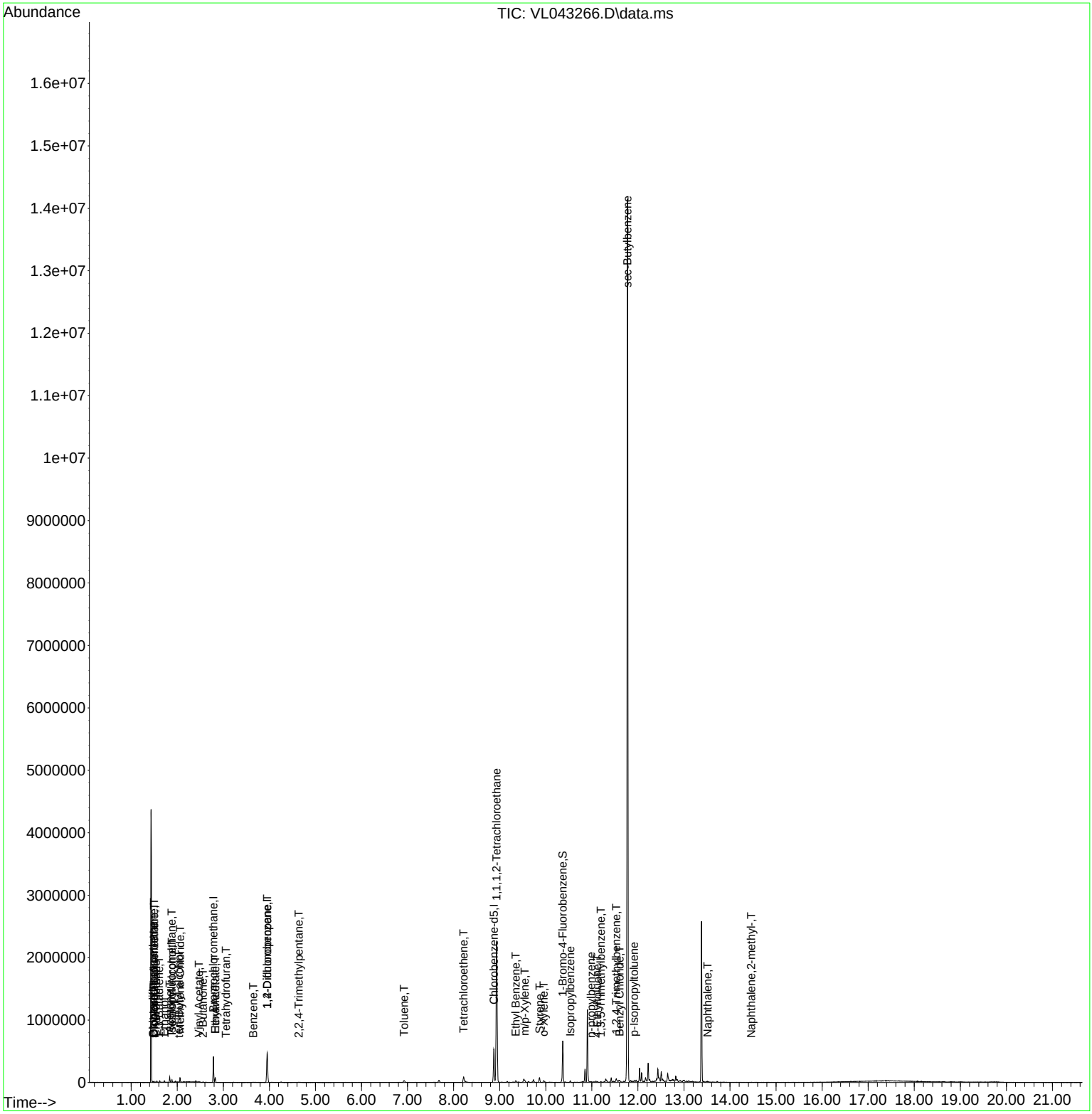
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	106324	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.953	114	275978	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.872	117	215672	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.368	95	165012	10.438	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	4354	0.290	ppbv		98
3) Chlorodifluoromethane	1.477	51	4352	0.295	ppbv	#	82
4) Chloromethane	1.535	50	1115	0.199	ppbv		92
8) Dichlorotetrafluoroethane	1.499	85	4354	0.349	ppbv	#	20
9) Propene	1.486	41	1045	0.167	ppbv	#	1
11) Trichlorofluoromethane	1.878	101	1990	0.137	ppbv		87
13) Ethanol	1.719	45	7758	3.523	ppbv	#	38
15) Acetone	1.836	43	38041	2.575	ppbv		95
16) 1,3-Butadiene	1.603	39	338	0.051	ppbv	#	12
17) tert-Butyl alcohol	2.036	59	1276	0.066	ppbv	#	68
19) Isopropyl Alcohol	1.884	45	15317	1.835	ppbv	#	69
20) Methylene Chloride	2.062	84	10245	1.702	ppbv		86
23) Vinyl Acetate	2.470	43	3544	0.199	ppbv	#	69
25) Ethyl Acetate	2.826	43	12707	0.399	ppbv	#	87
26) Hexane	2.823	57	16568	1.186	ppbv	#	42
34) 2-Butanone	2.558	43	5947	0.305	ppbv		99
36) Benzene	3.648	78	1779	0.067	ppbv	#	81
39) 1,2-Dichloropropane	3.953	63	69912	7.227	ppbv	#	24
41) Tetrahydrofuran	3.059	42	495	0.046	ppbv		89
44) 2,2,4-Trimethylpentane	4.635	57	2342	0.052	ppbv	#	25
52) Tetrachloroethene	8.218	164	15513	1.578	ppbv		94
53) Toluene	6.924	91	20292	0.648	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.931	131	5088	0.321	ppbv	#	1
58) Ethyl Benzene	9.348	91	9732	0.234	ppbv	#	78
59) m/p-Xylene	9.542	91	8916	0.268	ppbv	#	31
60) o-Xylene	9.957	91	10915	0.328	ppbv		89
61) Styrene	9.866	104	26295	1.807	ppbv		97
62) Isopropylbenzene	10.533	105	10238	0.172	ppbv		92
64) n-propylbenzene	10.986	120	707	0.046	ppbv	#	59
66) Benzyl Chloride	11.604	91	745	0.138	ppbv	#	1
67) sec-Butylbenzene	11.772	105	21069	0.284	ppbv	#	67
69) p-Isopropyltoluene	11.918	119	9599	0.153	ppbv		92
72) 4-Ethyltoluene	11.118	105	3509	0.087	ppbv	#	84
73) 1,3,5-Trimethylbenzene	11.199	105	3212	0.095	ppbv	#	53
74) 1,2,4-Trimethylbenzene	11.533	105	13894	0.375	ppbv	#	55
79) Naphthalene	13.510	128	1301	0.040	ppbv	#	54
80) Naphthalene,2-methyl-	14.462	142	261	0.030	ppbv	#	64

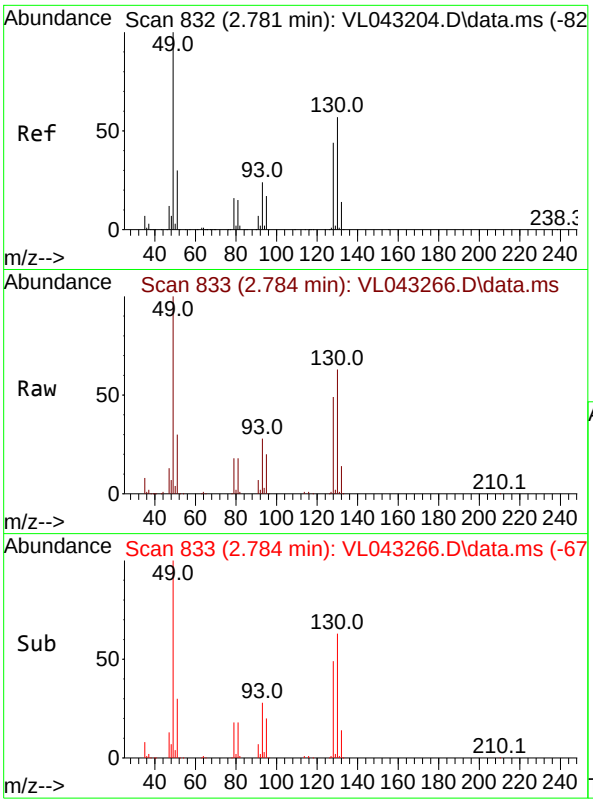
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043266.D
Acq On : 20 Nov 2025 15:40
Operator : SY/MD
Sample : Q3655-06 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Quant Time: Nov 21 00:40:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



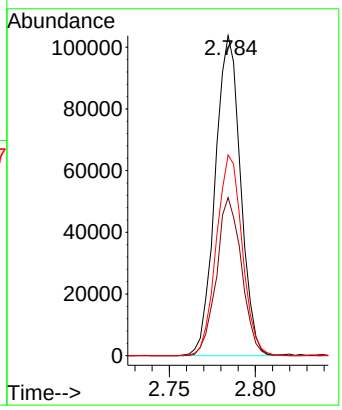


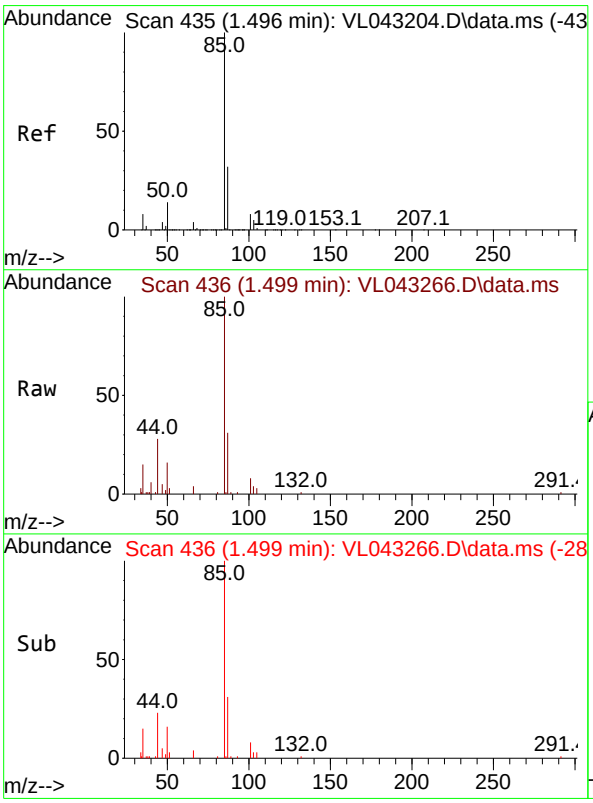
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 49 Resp: 106324

Ion	Ratio	Lower	Upper
49	100		
128	48.9	23.0	69.0
130	63.8	29.9	89.7

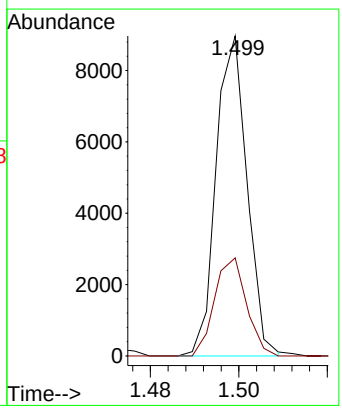


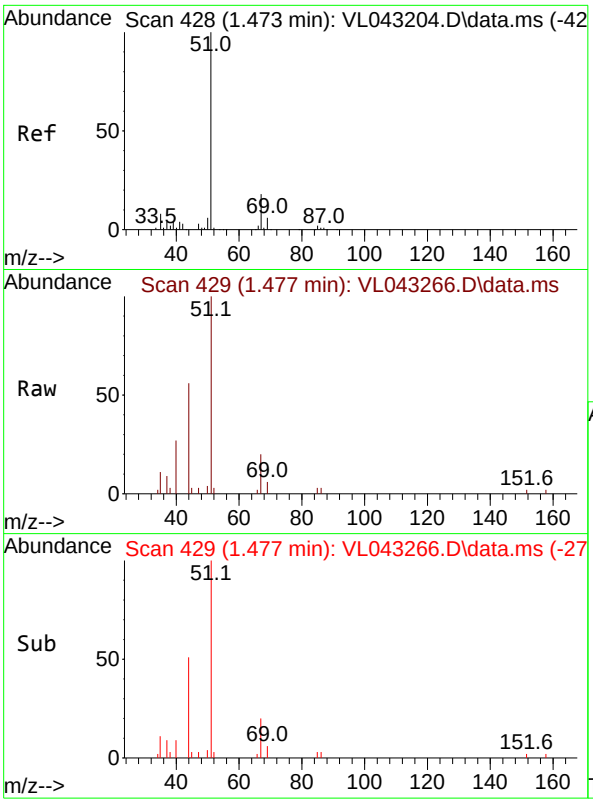


#2
Dichlorodifluoromethane
Concen: 0.290 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 85 Resp: 4354

Ion	Ratio	Lower	Upper
85	100		
87	30.7	25.4	38.2



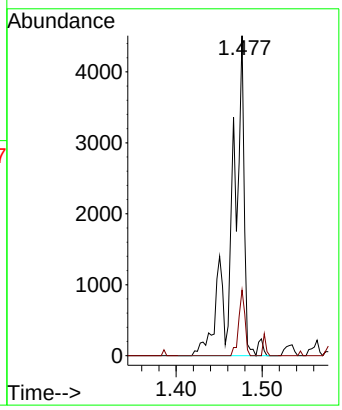


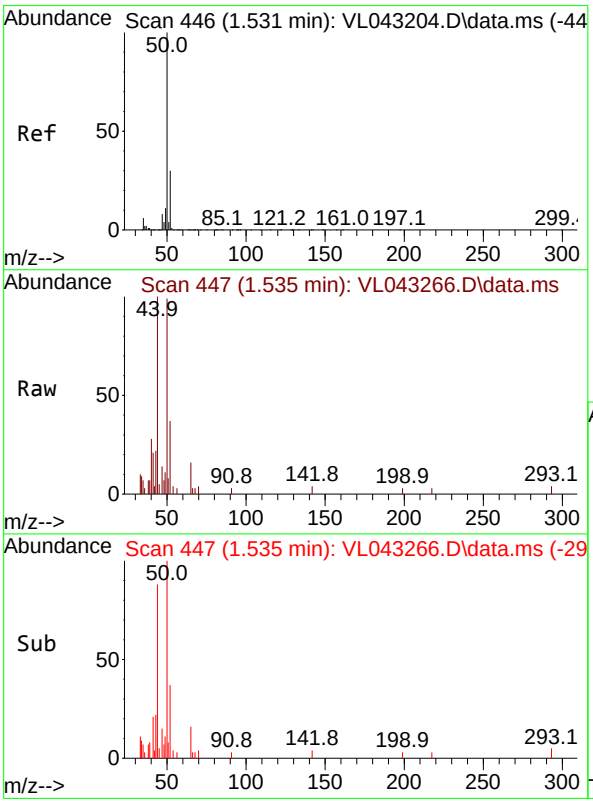
#3
Chlorodifluoromethane
Concen: 0.295 ppbv
RT: 1.477 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 51 Resp: 4352

Ion	Ratio	Lower	Upper
51	100		
67	10.6	14.9	22.3#

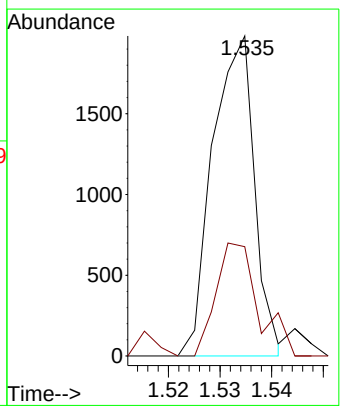


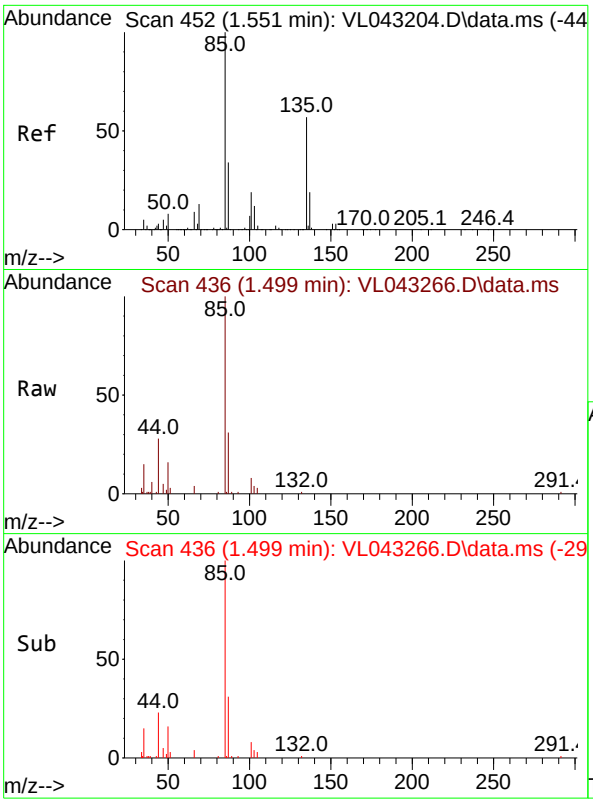


#4
Chloromethane
Concen: 0.199 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 50 Resp: 1115

Ion	Ratio	Lower	Upper
50	100		
52	34.2	24.1	36.1



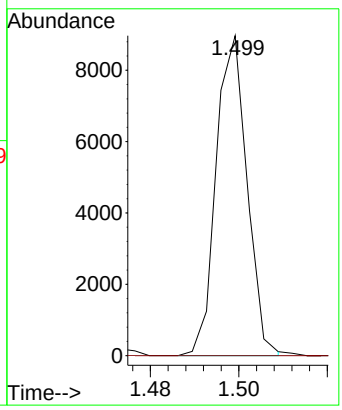


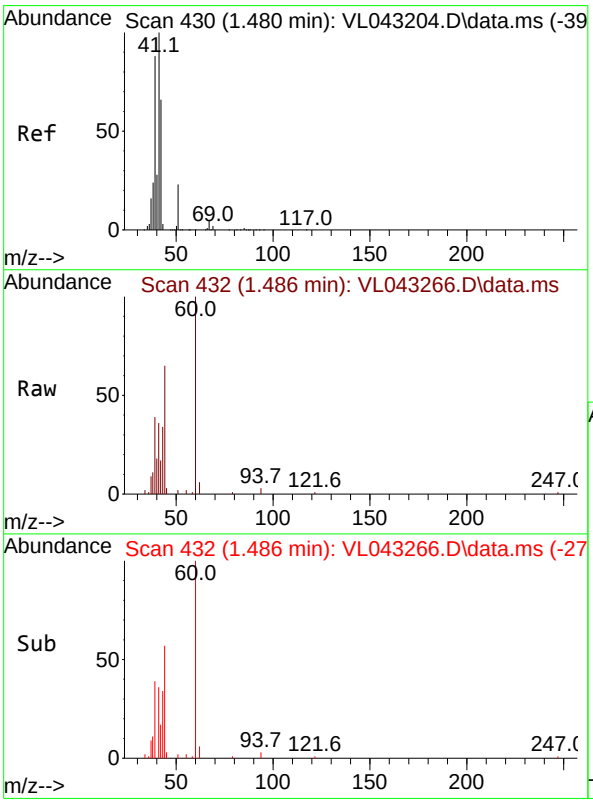
#8
Dichlorotetrafluoroethane
Concen: 0.349 ppbv
RT: 1.499 min Scan# 4
Delta R.T. -0.052 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 85 Resp: 4354

Ion	Ratio	Lower	Upper
85	100		
135	2.0	52.6	79.0#

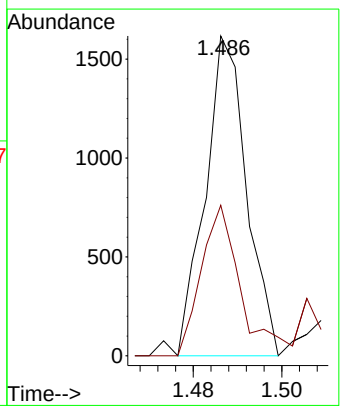


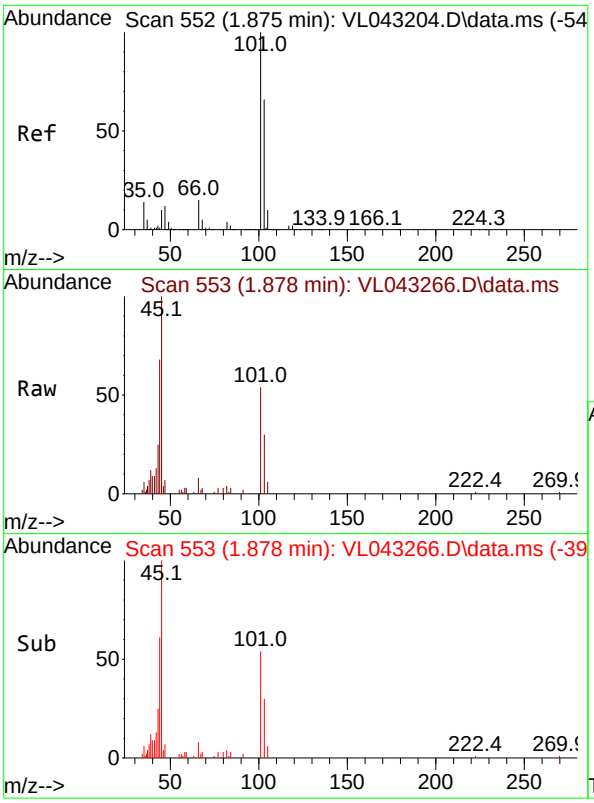


#9
Propene
Concen: 0.167 ppbv
RT: 1.486 min Scan# 432
Delta R.T. 0.007 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 41 Resp: 1045

Ion	Ratio	Lower	Upper
41	100		
42	70.0	3.7	5.5#



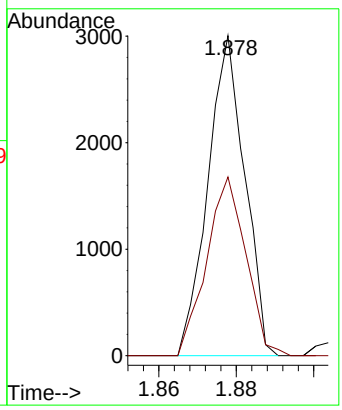


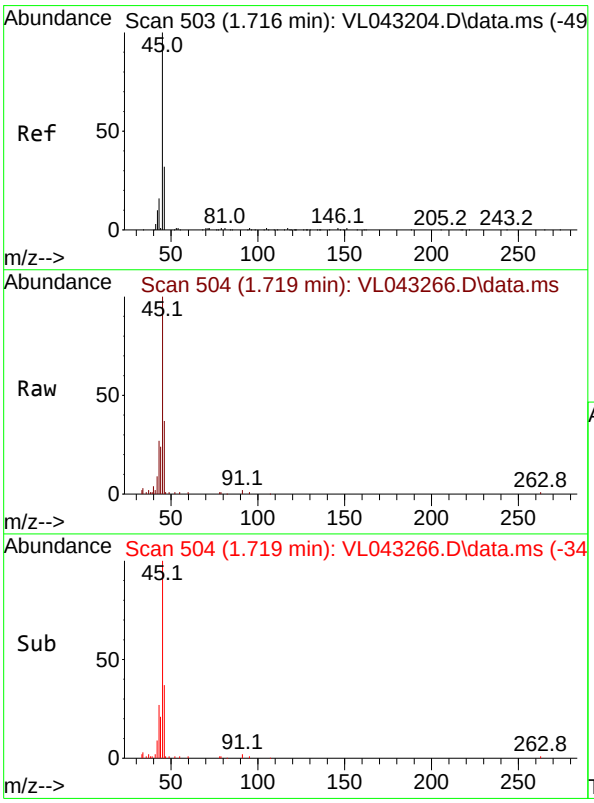
#11
Trichlorofluoromethane
Concen: 0.137 ppbv
RT: 1.878 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:101 Resp: 1990

Ion	Ratio	Lower	Upper
101	100		
103	55.8	52.6	79.0

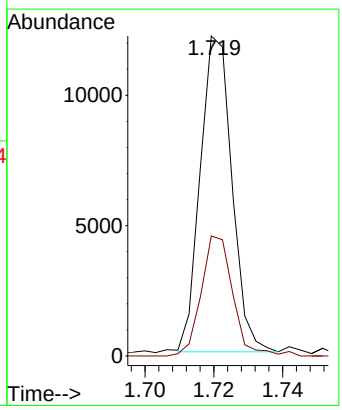


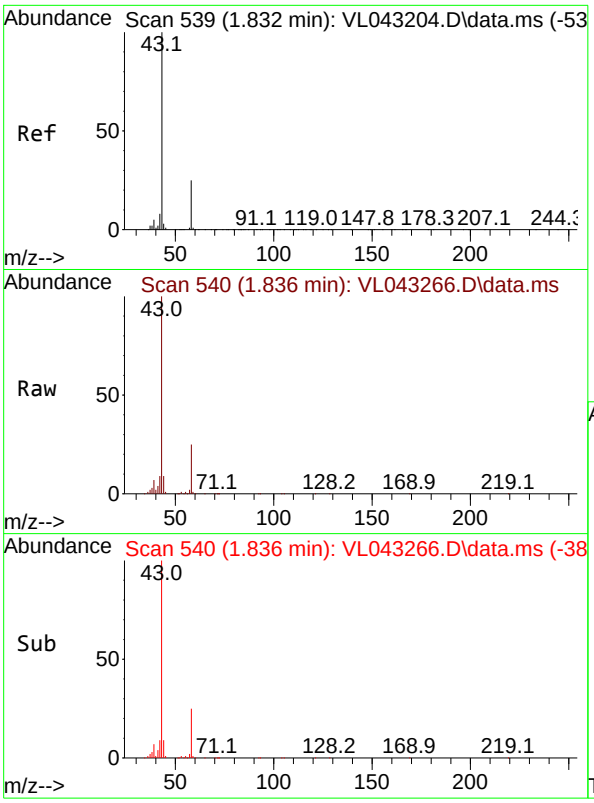


#13
Ethanol
Concen: 3.523 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 45 Resp: 7758

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#



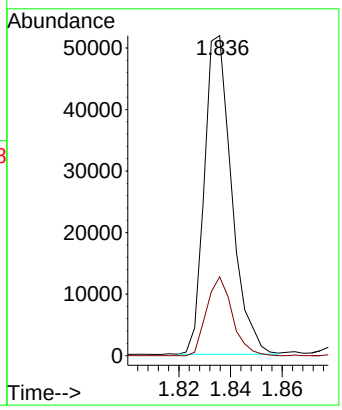


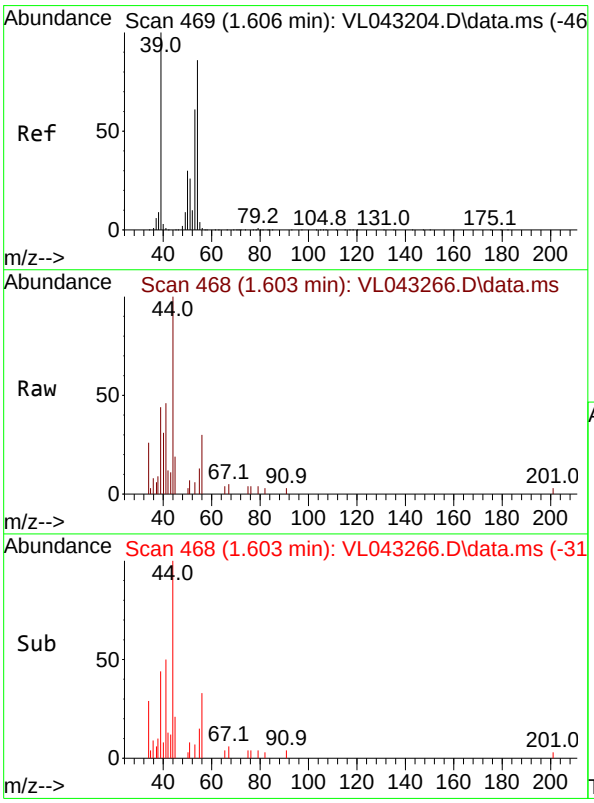
#15
Acetone
Concen: 2.575 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 43 Resp: 38041

Ion	Ratio	Lower	Upper
43	100		
58	23.4	20.7	31.1

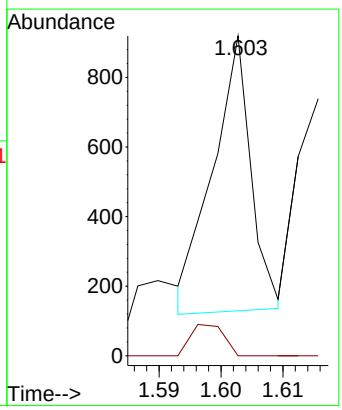


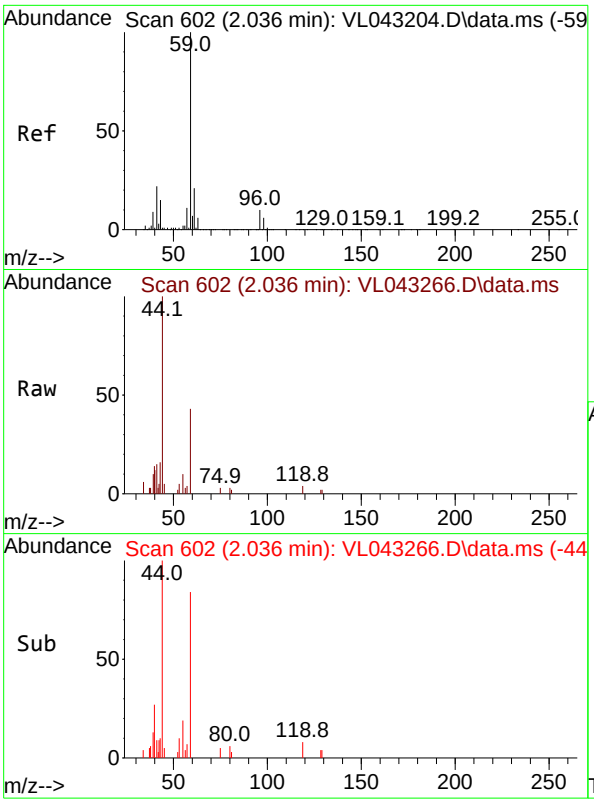


#16
1,3-Butadiene
Concen: 0.051 ppbv
RT: 1.603 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 39 Resp: 338

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#



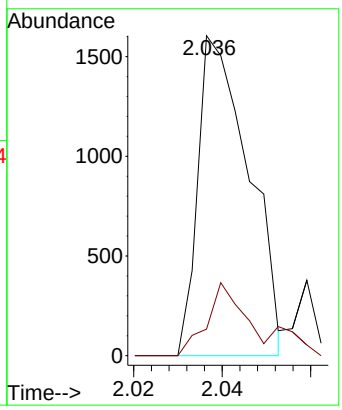


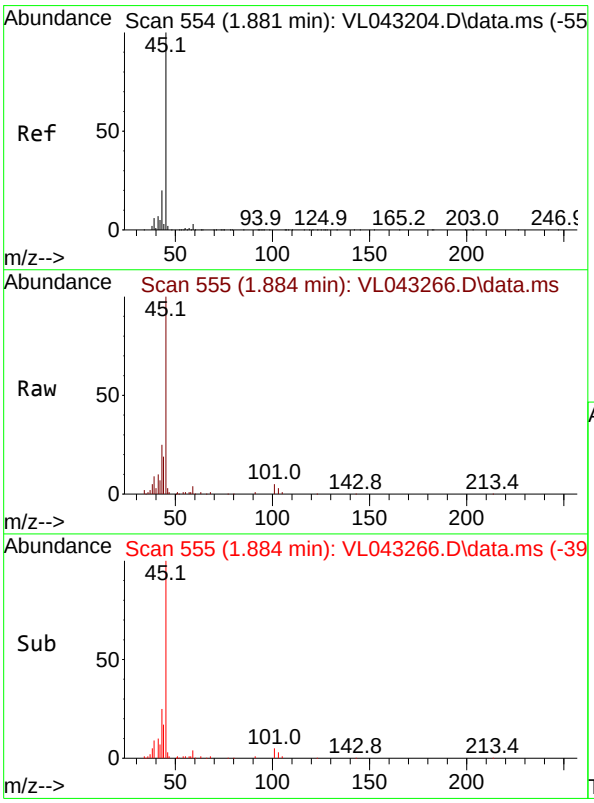
#17
tert-Butyl alcohol
Concen: 0.066 ppbv
RT: 2.036 min Scan# 6
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 59 Resp: 1276

Ion	Ratio	Lower	Upper
59	100		
57	23.6	9.0	13.4#

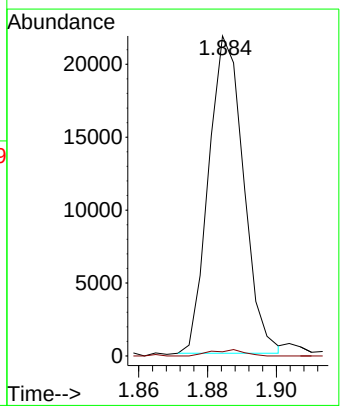


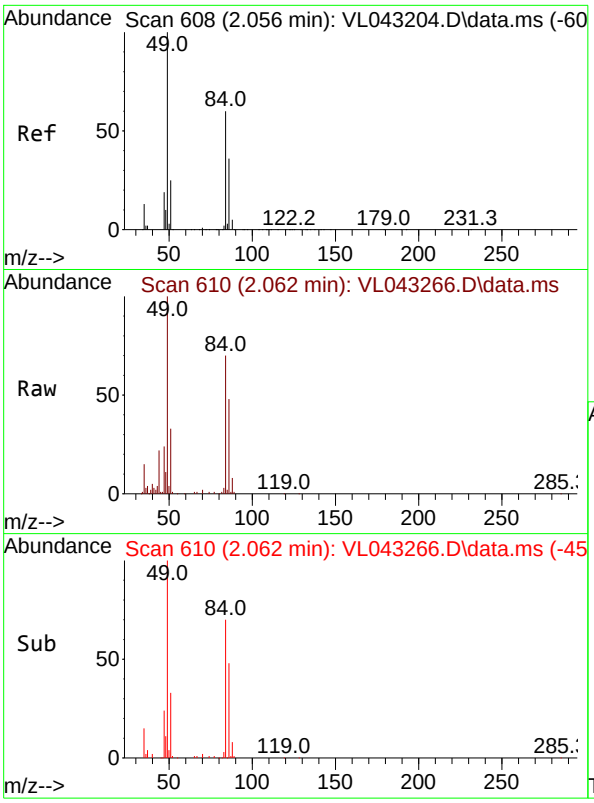


#19
Isopropyl Alcohol
Concen: 1.835 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 45 Resp: 15317

Ion	Ratio	Lower	Upper
45	100		
58	58.0	31.3	46.9#



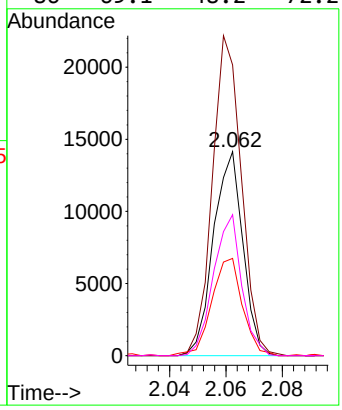


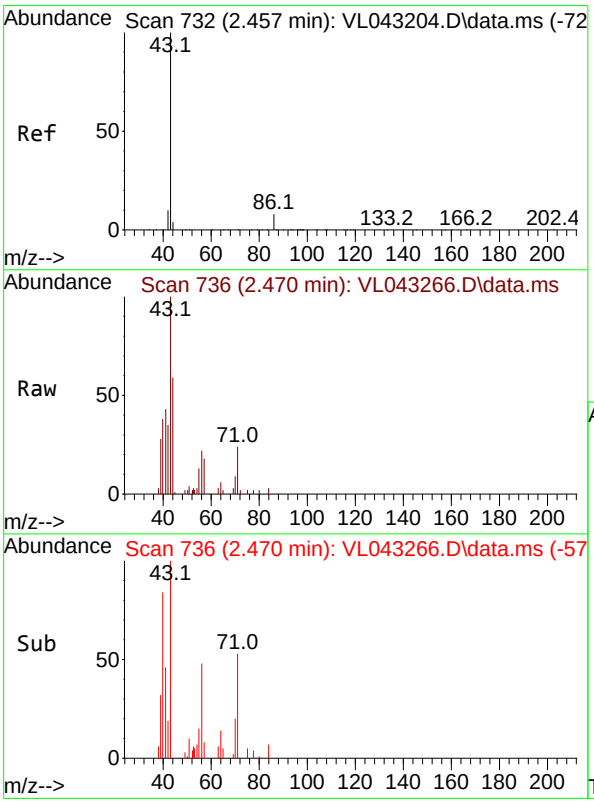
#20
Methylene Chloride
Concen: 1.702 ppbv
RT: 2.062 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 84 Resp: 10245

Ion	Ratio	Lower	Upper
84	100		
49	142.5	132.9	199.3
51	47.7	34.8	52.2
86	69.1	48.2	72.2

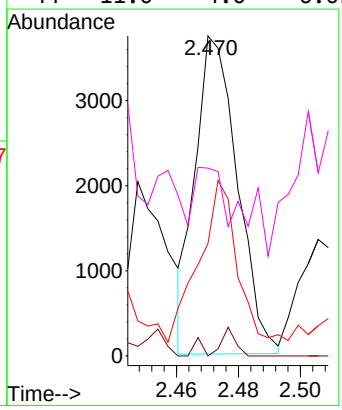


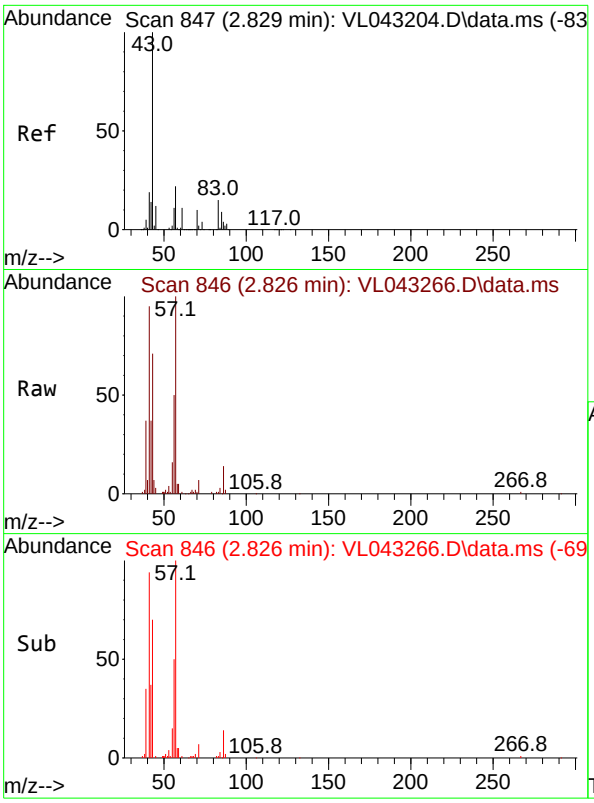


#23
Vinyl Acetate
Concen: 0.199 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.013 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 43 Resp: 3544

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	26.2	8.0	12.0#
44	11.0	4.0	6.0#



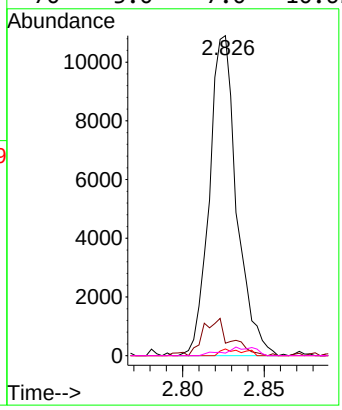


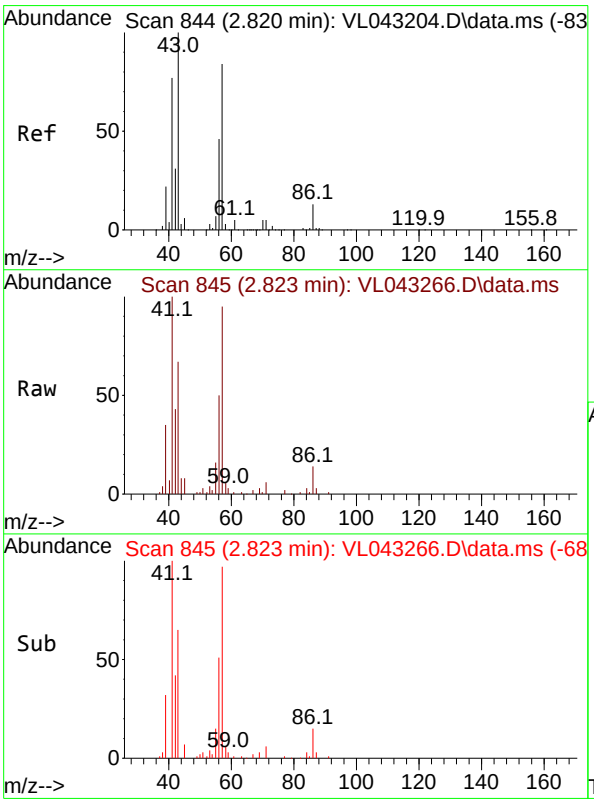
#25
Ethyl Acetate
Concen: 0.399 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 43 Resp: 12707

Ion	Ratio	Lower	Upper
43	100		
45	12.2	8.1	12.1#
61	1.8	7.0	10.4#
70	3.0	7.0	10.6#

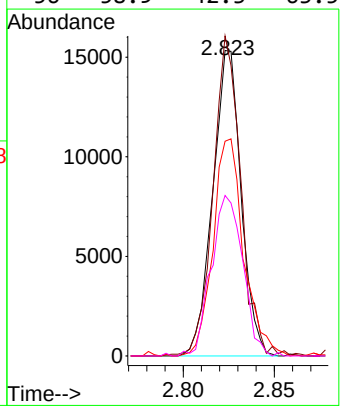


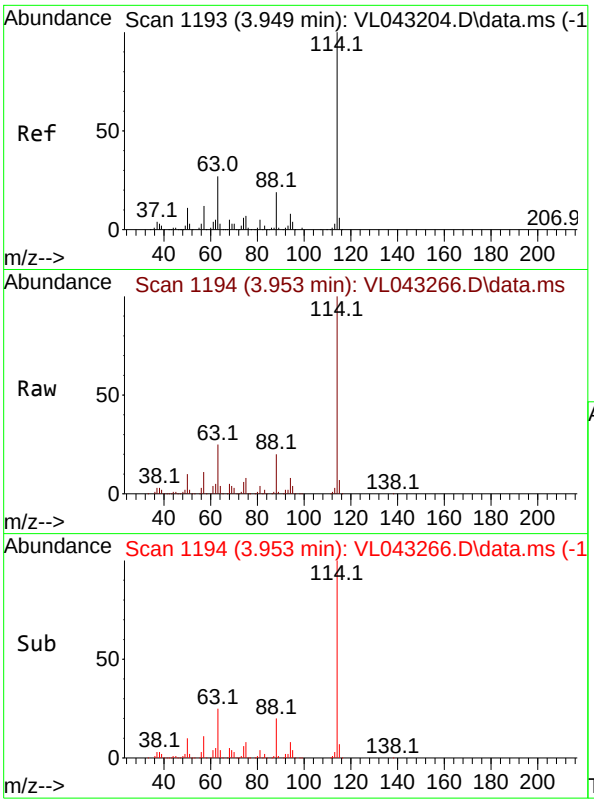


#26
Hexane
Concen: 1.186 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 57 Resp: 16568

Ion	Ratio	Lower	Upper
57	100		
41	102.3	74.6	111.8
43	77.5	179.0	268.4#
56	58.9	42.3	63.5



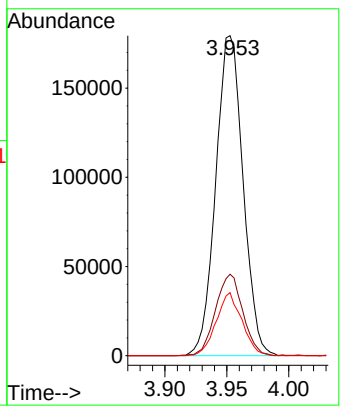


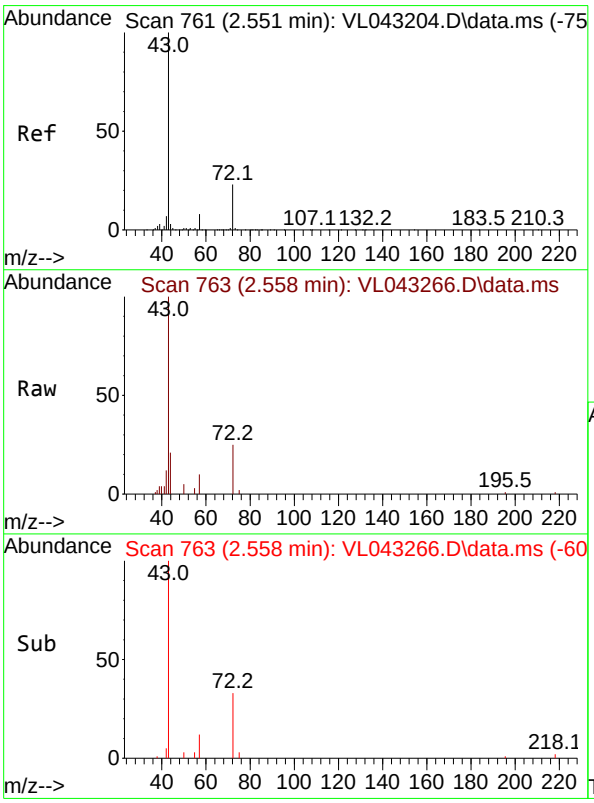
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:114 Resp: 275978

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.0	31.6
88	18.5	14.9	22.3

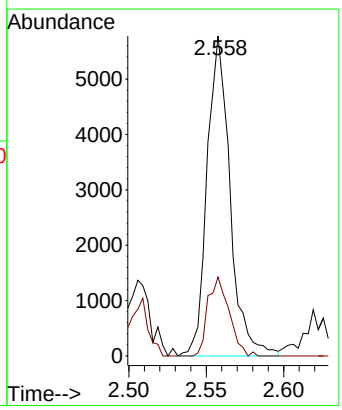


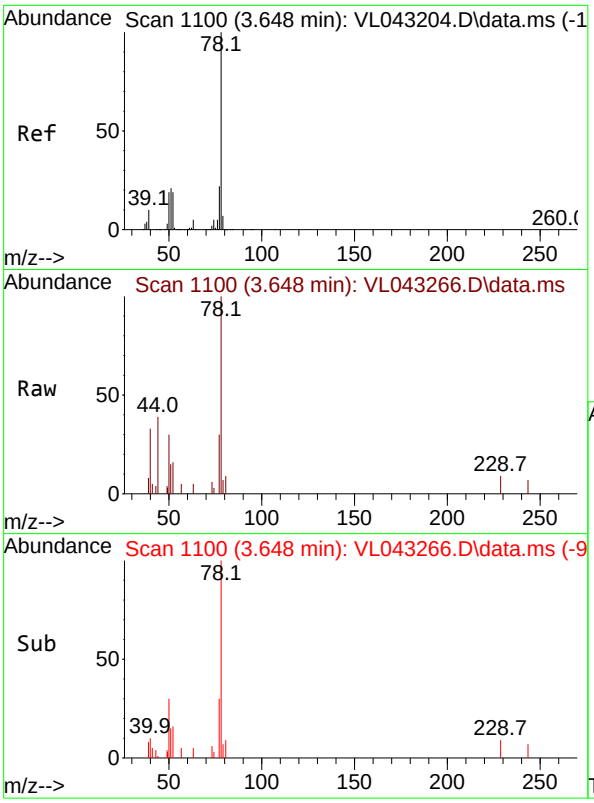


#34
2-Butanone
Concen: 0.305 ppbv
RT: 2.558 min Scan# 763
Delta R.T. 0.007 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 43 Resp: 5947

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.1	27.1



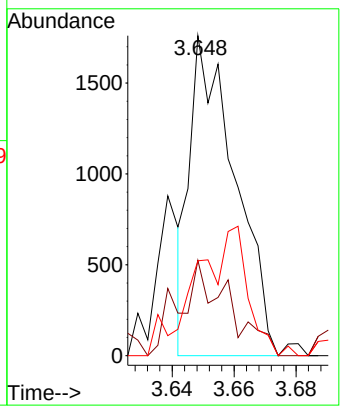


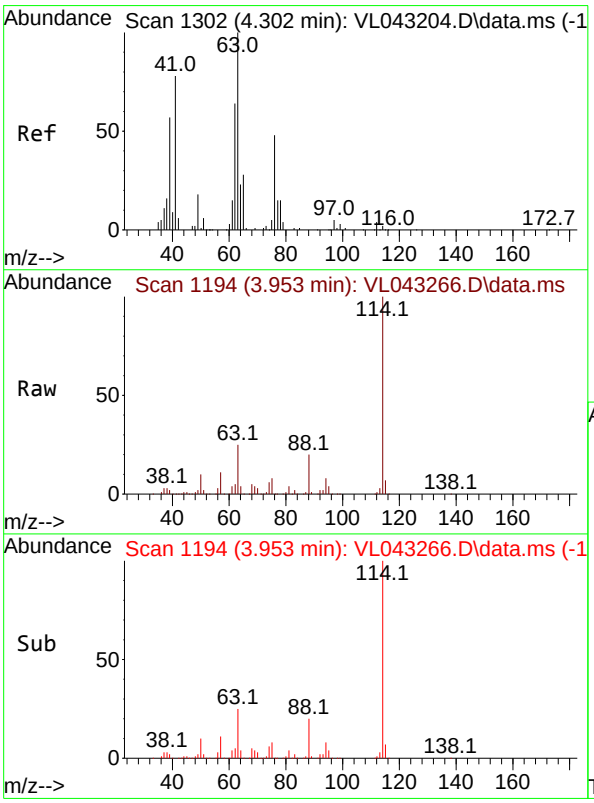
#36
Benzene
Concen: 0.067 ppbv
RT: 3.648 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 78 Resp: 1779

Ion	Ratio	Lower	Upper
78	100		
77	29.8	17.5	26.3#
50	29.6	15.5	23.3#

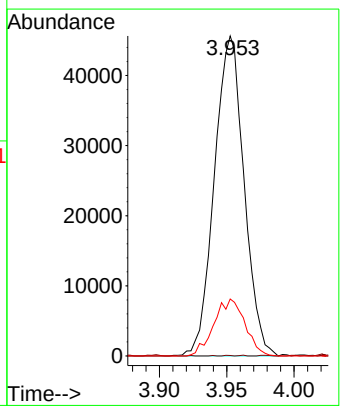


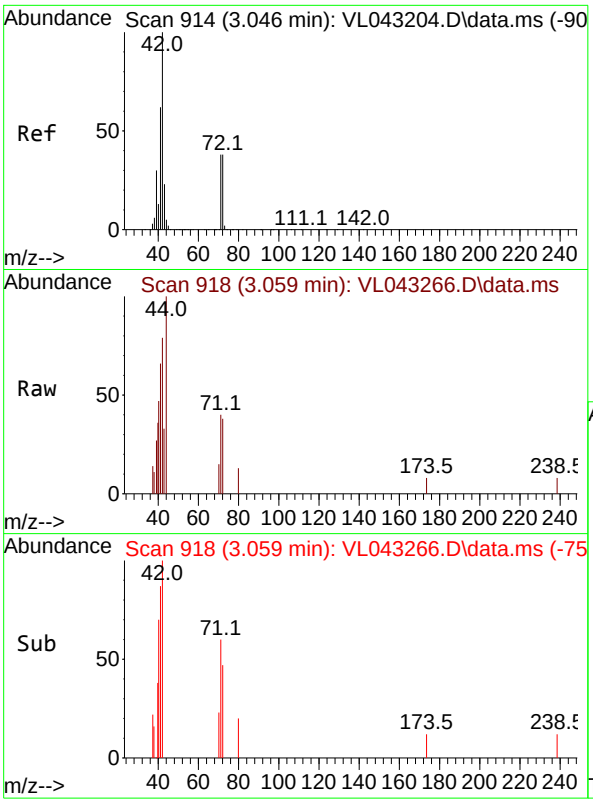


#39
1,2-Dichloropropane
Concen: 7.227 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. -0.349 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 63 Resp: 69912

Ion	Ratio	Lower	Upper
63	100		
41	0.1	62.6	93.8#
62	17.8	51.0	76.6#



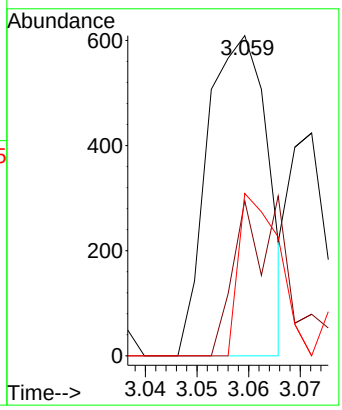


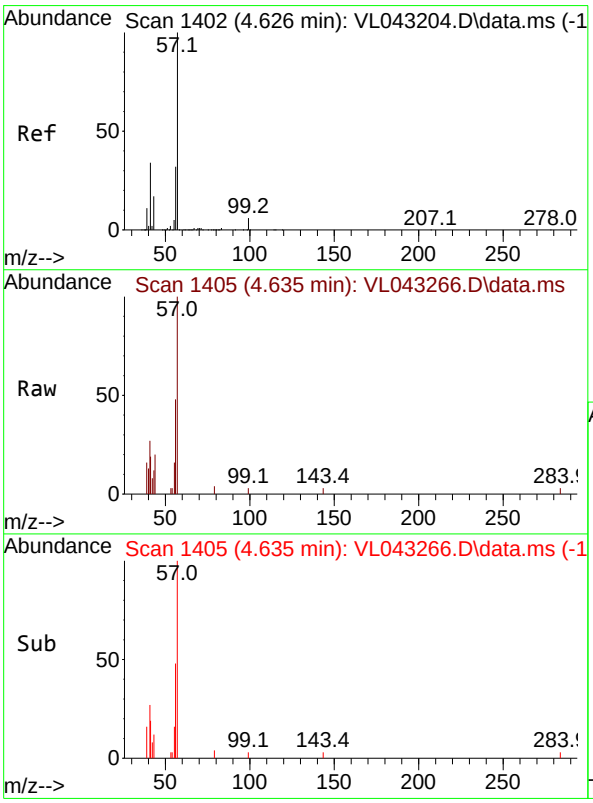
#41
Tetrahydrofuran
Concen: 0.046 ppbv
RT: 3.059 min Scan# 9
Delta R.T. 0.013 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 42 Resp: 495

Ion	Ratio	Lower	Upper
42	100		
72	45.3	30.6	46.0
71	44.8	30.5	45.7

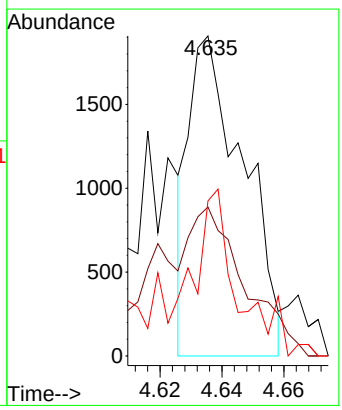


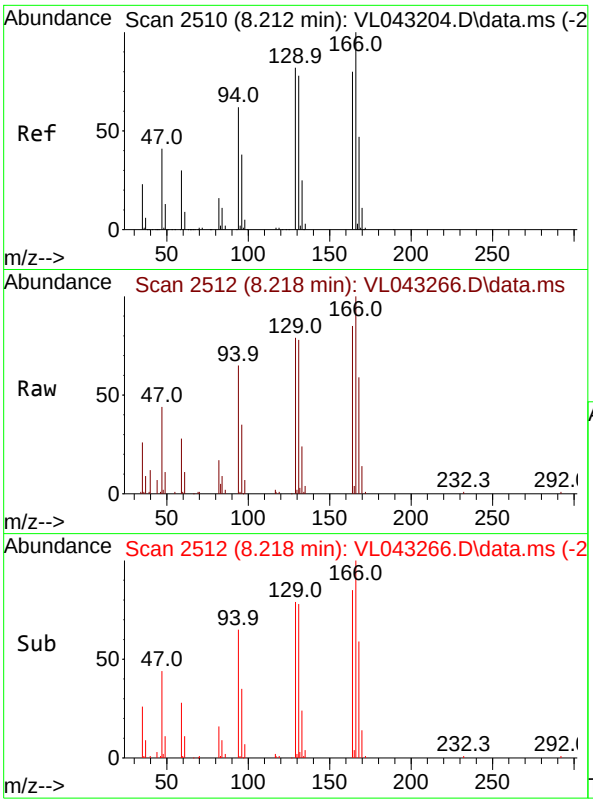


#44
2,2,4-Trimethylpentane
Concen: 0.052 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.010 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 57 Resp: 2342

Ion	Ratio	Lower	Upper
57	100		
41	85.0	28.0	42.0#
56	67.0	25.6	38.4#



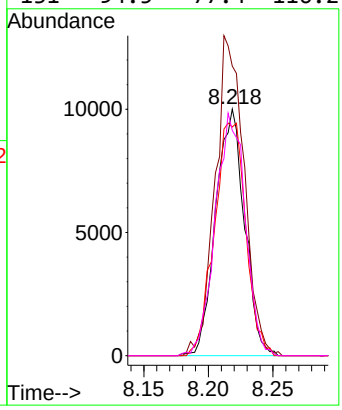


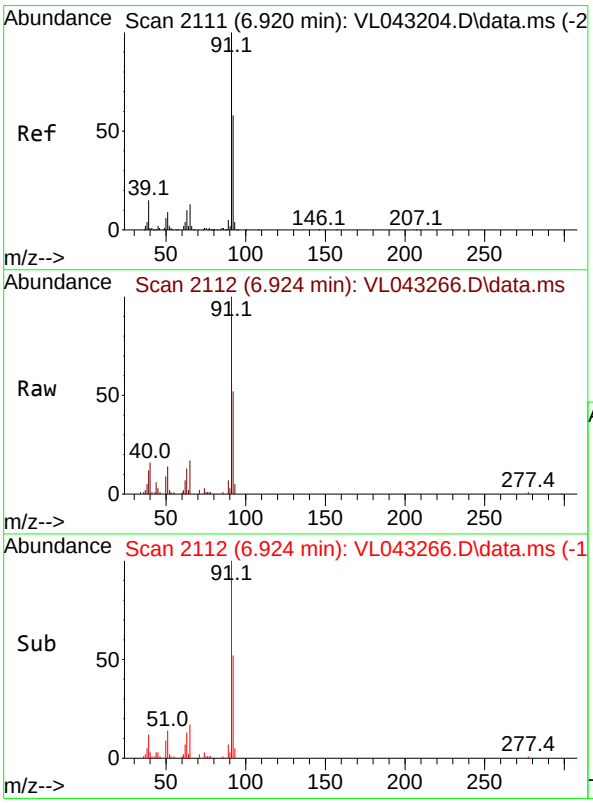
#52
Tetrachloroethene
Concen: 1.578 ppbv
RT: 8.218 min Scan# 2
Delta R.T. 0.007 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:164 Resp: 15513

Ion	Ratio	Lower	Upper
164	100		
166	117.4	99.4	149.2
129	92.7	81.8	122.8
131	94.5	77.4	116.2

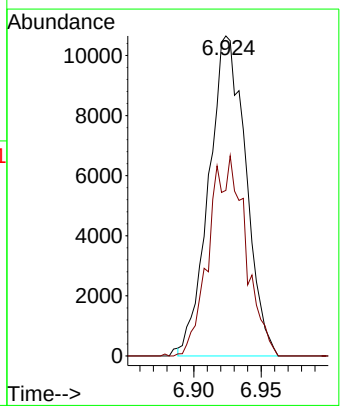


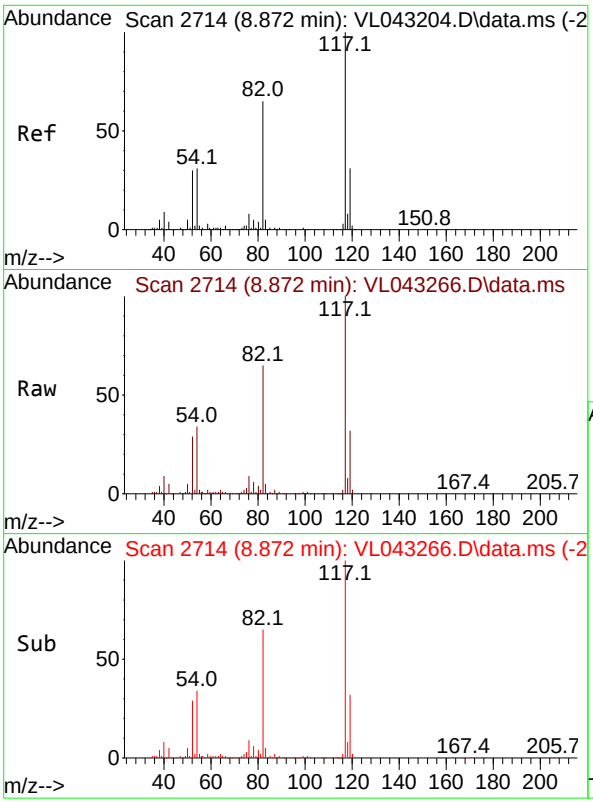


#53
Toluene
Concen: 0.648 ppbv
RT: 6.924 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 91 Resp: 20292

Ion	Ratio	Lower	Upper
91	100		
92	62.0	47.4	71.0



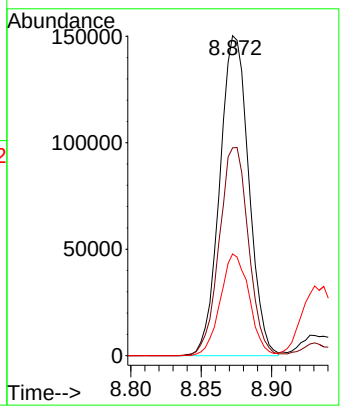


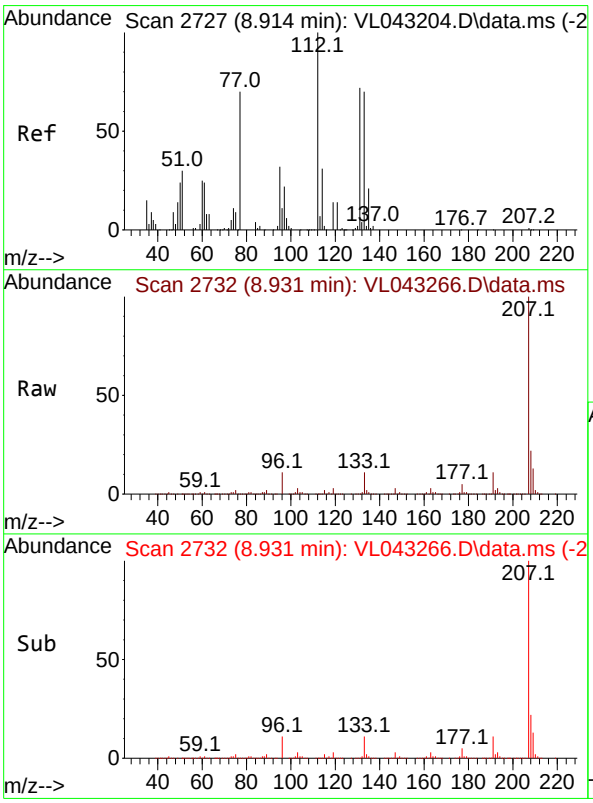
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:117 Resp: 215672

Ion	Ratio	Lower	Upper
117	100		
82	65.8	56.1	84.1
119	31.7	25.0	37.6

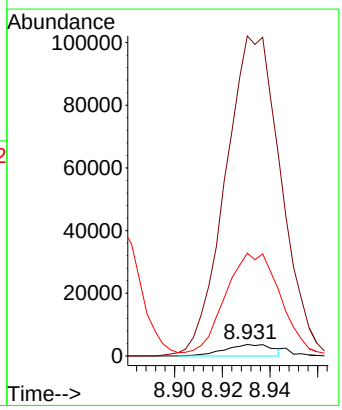


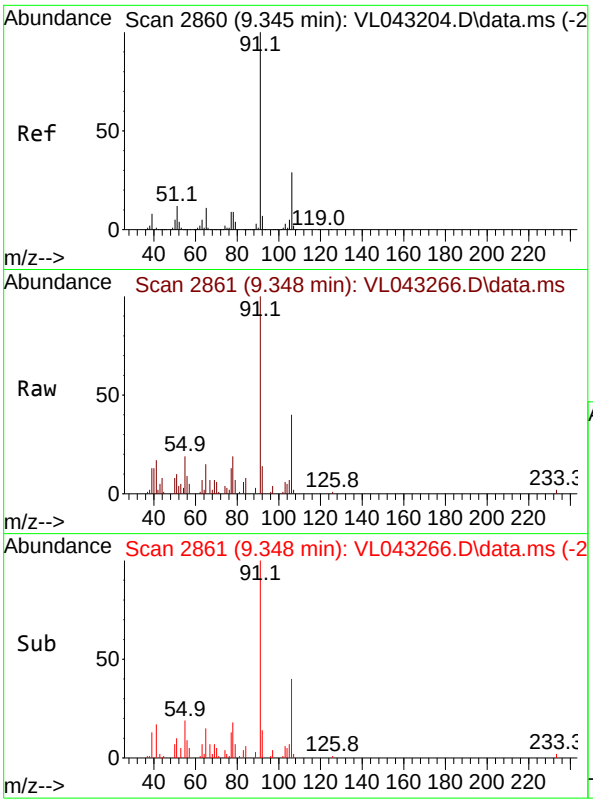


#56
1,1,1,2-Tetrachloroethane
Concen: 0.321 ppbv
RT: 8.931 min Scan# 2732
Delta R.T. 0.016 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:131 Resp: 5088

Ion	Ratio	Lower	Upper
131	100		
133	3263.7	77.4	116.2#
119	1052.5	49.1	73.7#



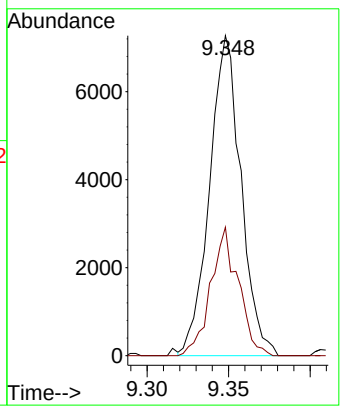


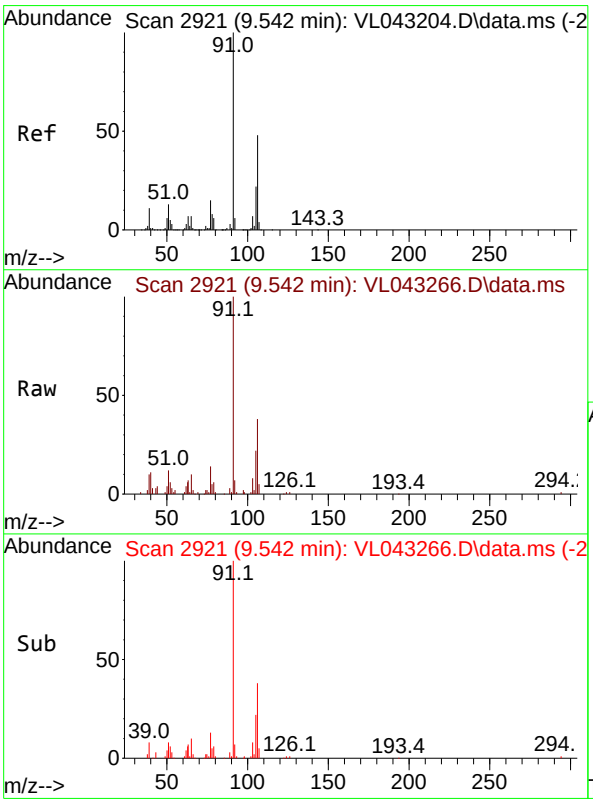
#58
Ethyl Benzene
Concen: 0.234 ppbv
RT: 9.348 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 91 Resp: 9732

Ion	Ratio	Lower	Upper
91	100		
106	40.2	22.8	34.2#

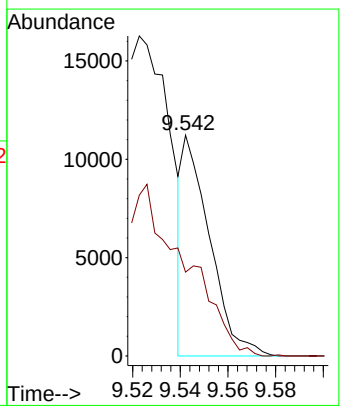


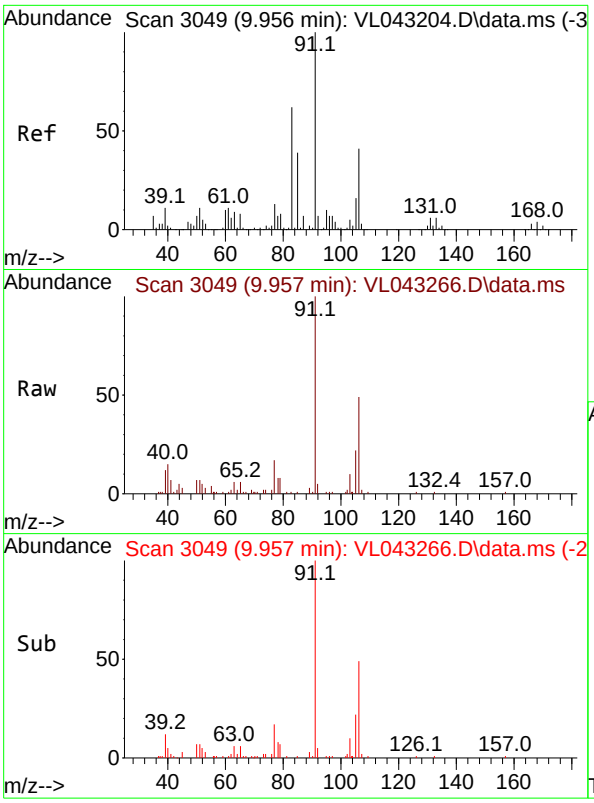


#59
m/p-Xylene
Concen: 0.268 ppbv
RT: 9.542 min Scan# 2921
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion: 91 Resp: 8916

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#



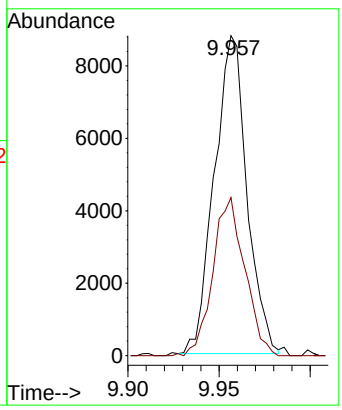


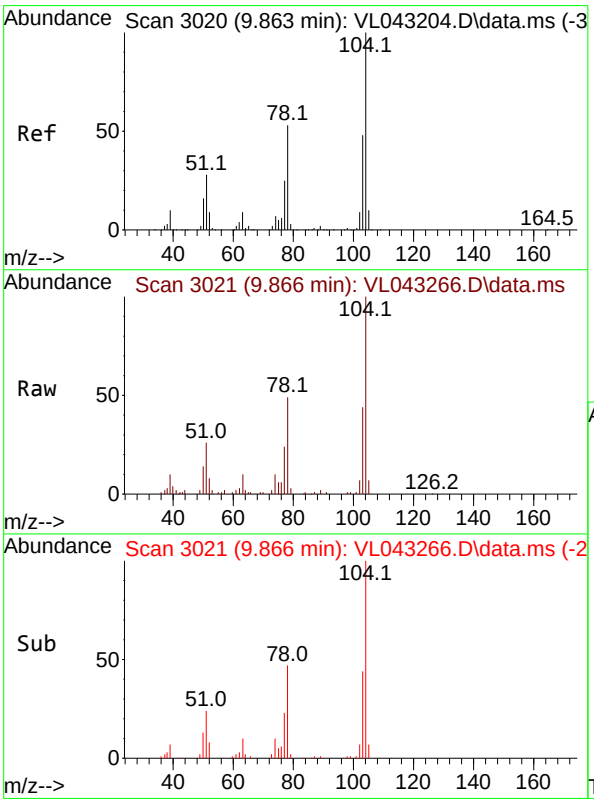
#60
o-Xylene
Concen: 0.328 ppbv
RT: 9.957 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 91 Resp: 10915

Ion	Ratio	Lower	Upper
91	100		
106	48.6	20.9	62.8

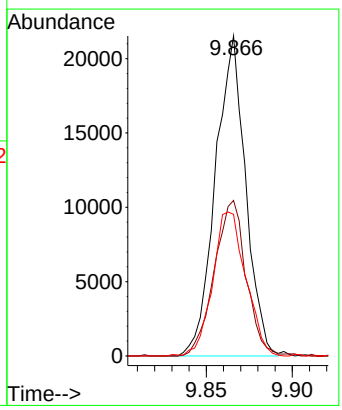


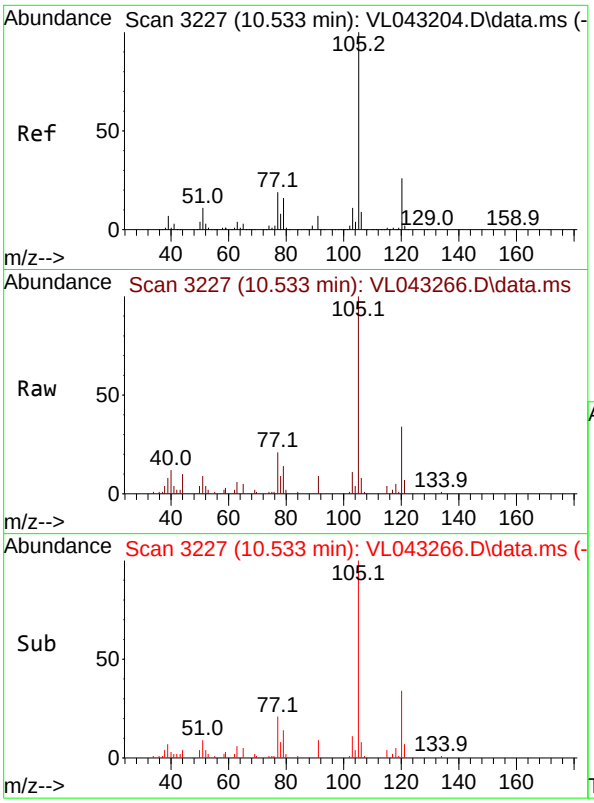


#61
Styrene
Concen: 1.807 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:104 Resp: 26295

Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.1	63.1
103	49.5	37.2	55.8



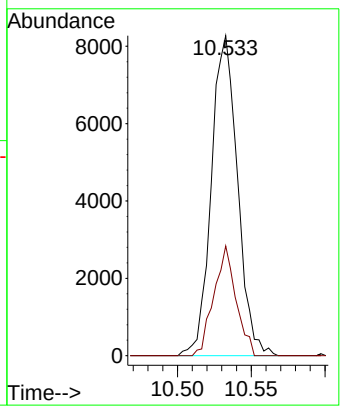


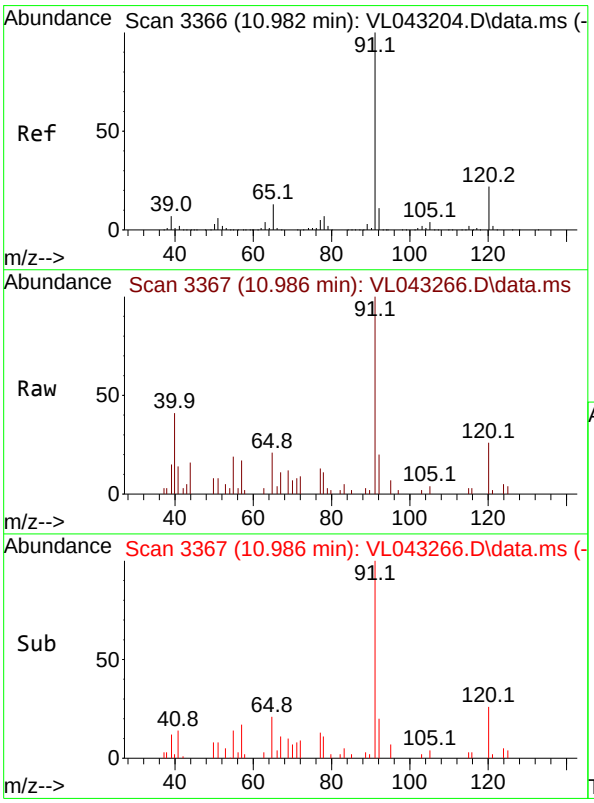
#62
Isopropylbenzene
Concen: 0.172 ppbv
RT: 10.533 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:105 Resp: 10238

Ion	Ratio	Lower	Upper
105	100		
120	28.9	19.8	29.8

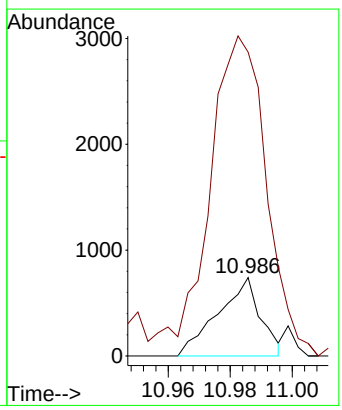


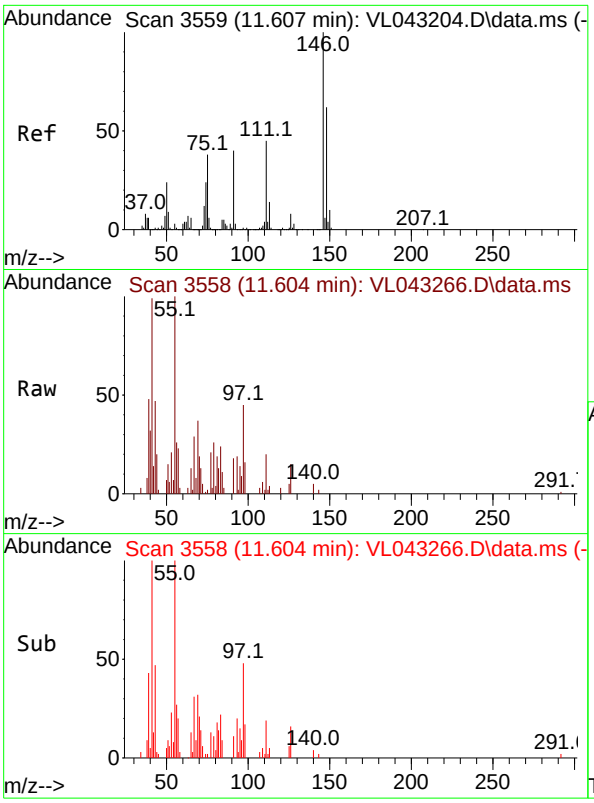


#64
n-propylbenzene
Concen: 0.046 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:120 Resp: 707

Ion	Ratio	Lower	Upper
120	100		
91	580.8	377.1	565.7#



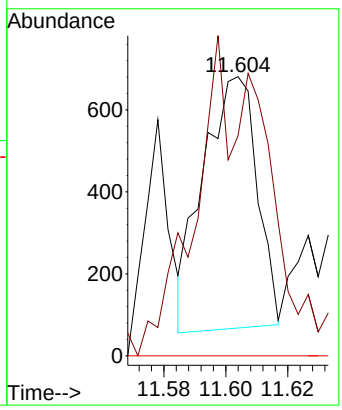


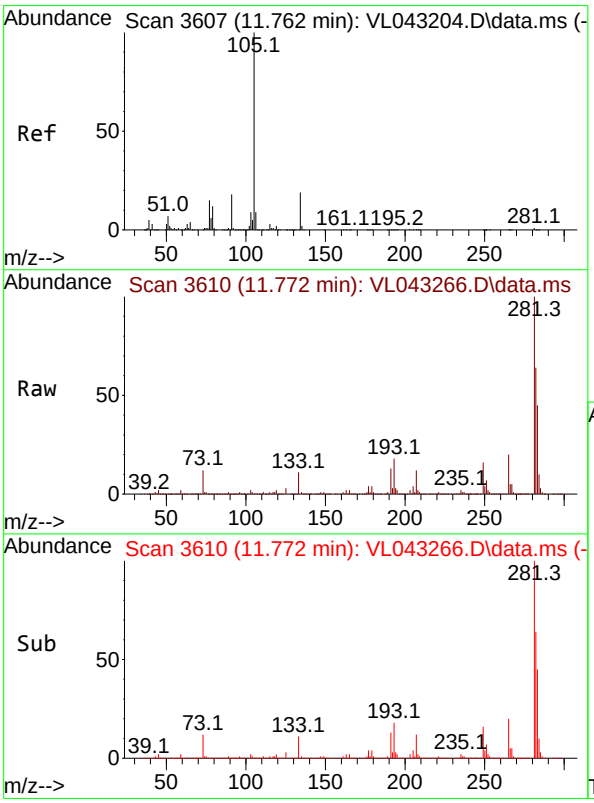
#66
Benzyl Chloride
Concen: 0.138 ppbv
RT: 11.604 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 91 Resp: 745

Ion	Ratio	Lower	Upper
91	100		
126	169.4	14.4	21.6#
128	0.0	4.6	6.8#

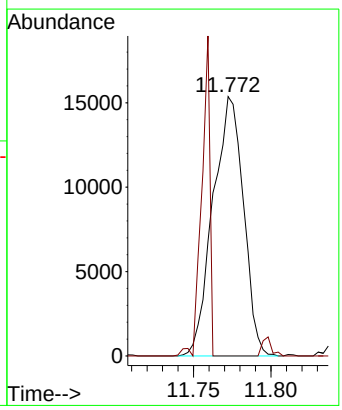


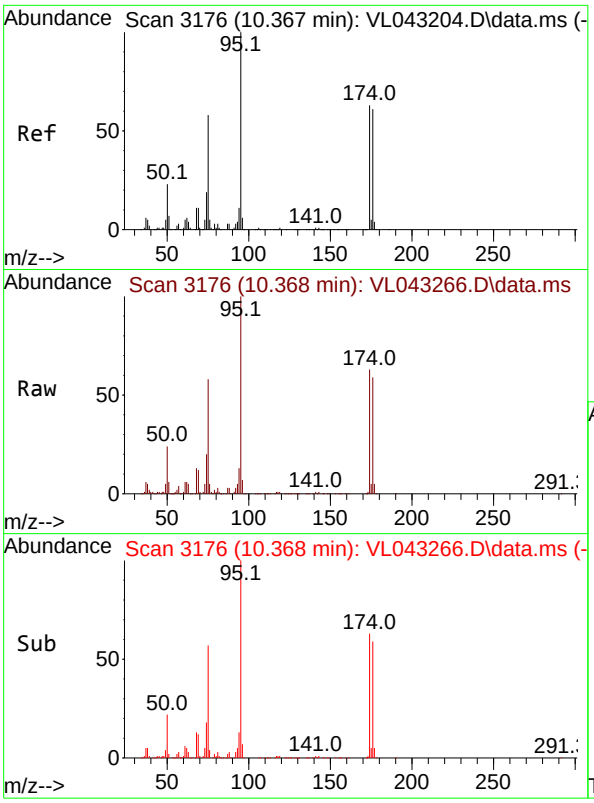


#67
sec-Butylbenzene
Concen: 0.284 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.010 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:105 Resp: 21069

Ion	Ratio	Lower	Upper
105	100		
134	33.8	15.0	22.6#



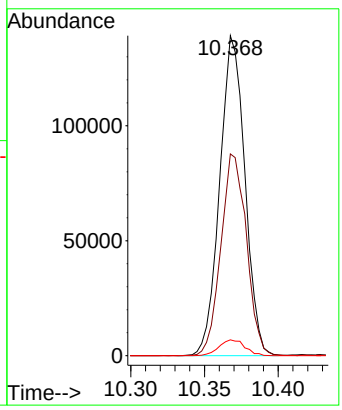


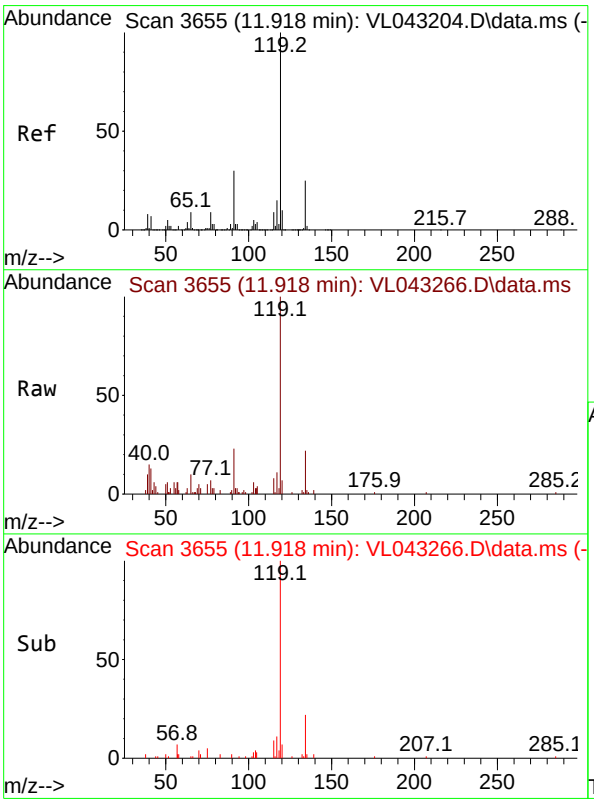
#68
1-Bromo-4-Fluorobenzene
Concen: 10.438 ppbv
RT: 10.368 min Scan# 3
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 95 Resp: 165012

Ion	Ratio	Lower	Upper
95	100		
174	64.1	50.2	75.2
175	5.1	4.1	6.1

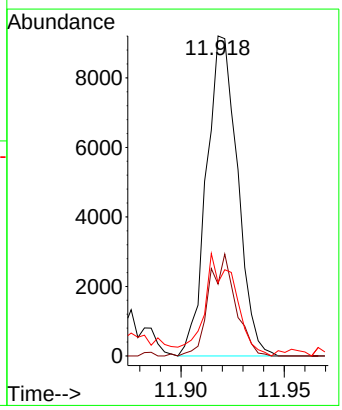


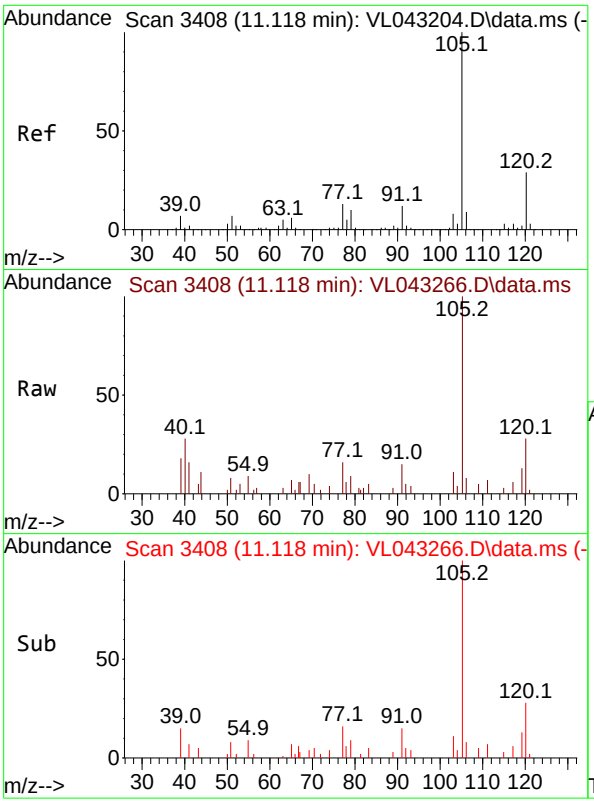


#69
p-Isopropyltoluene
Concen: 0.153 ppbv
RT: 11.918 min Scan# 3655
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:119 Resp: 9599

Ion	Ratio	Lower	Upper
119	100		
134	27.9	20.2	30.2
91	35.1	23.8	35.8



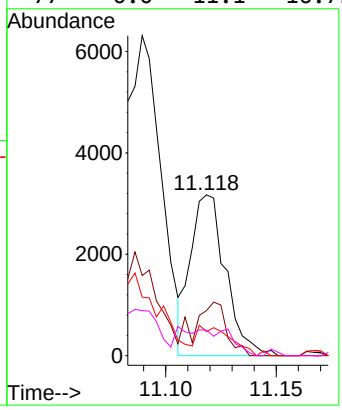


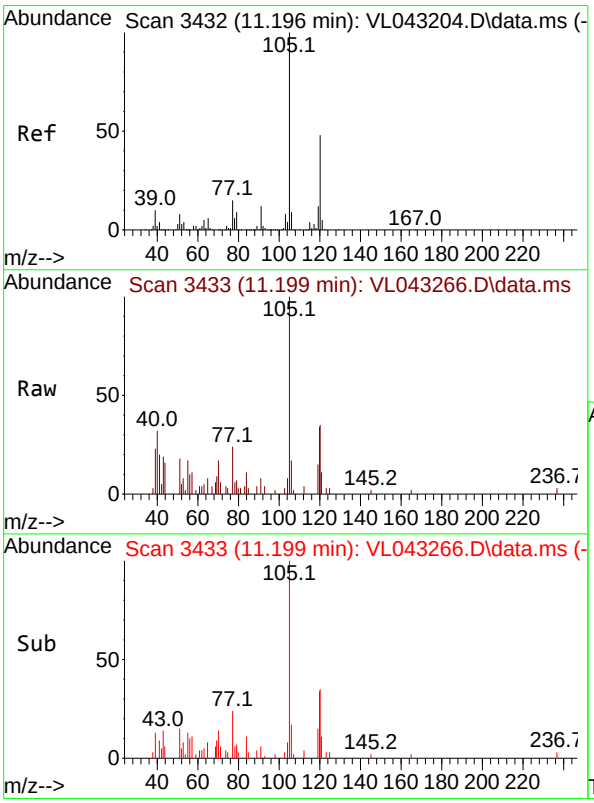
#72
4-Ethyltoluene
Concen: 0.087 ppbv
RT: 11.118 min Scan# 34
Delta R.T. 0.000 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:105 Resp: 3509

Ion	Ratio	Lower	Upper
105	100		
120	30.2	23.8	35.8
91	0.0	10.3	15.5#
77	0.0	11.1	16.7#

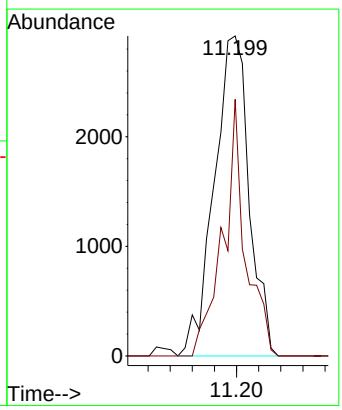


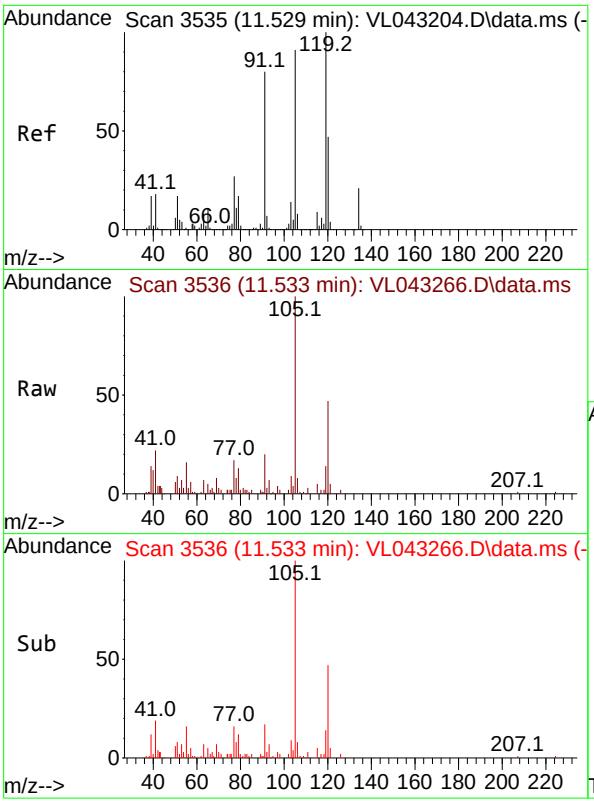


#73
1,3,5-Trimethylbenzene
Concen: 0.095 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:105 Resp: 3212

Ion	Ratio	Lower	Upper
105	100		
120	80.2	38.6	57.8#



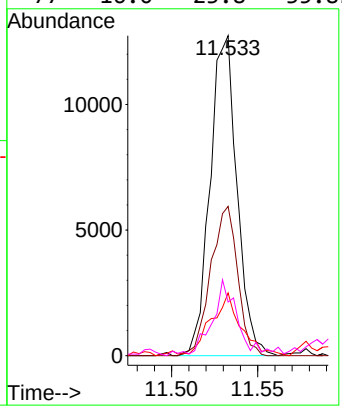


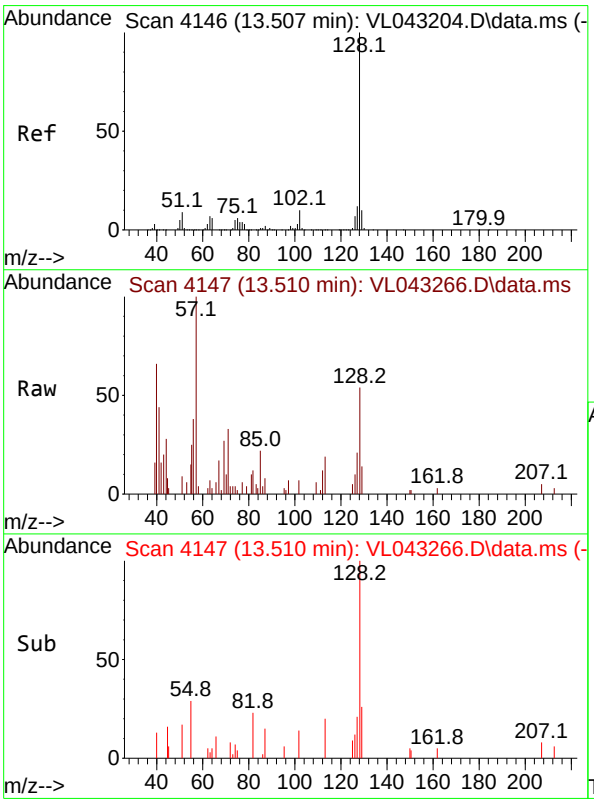
#74
1,2,4-Trimethylbenzene
Concen: 0.375 ppbv
RT: 11.533 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:105 Resp: 13894

Ion	Ratio	Lower	Upper
105	100		
120	46.6	41.7	62.5
91	19.1	70.0	105.0#
77	16.0	23.8	35.8#

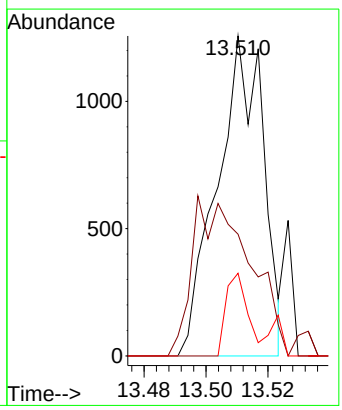


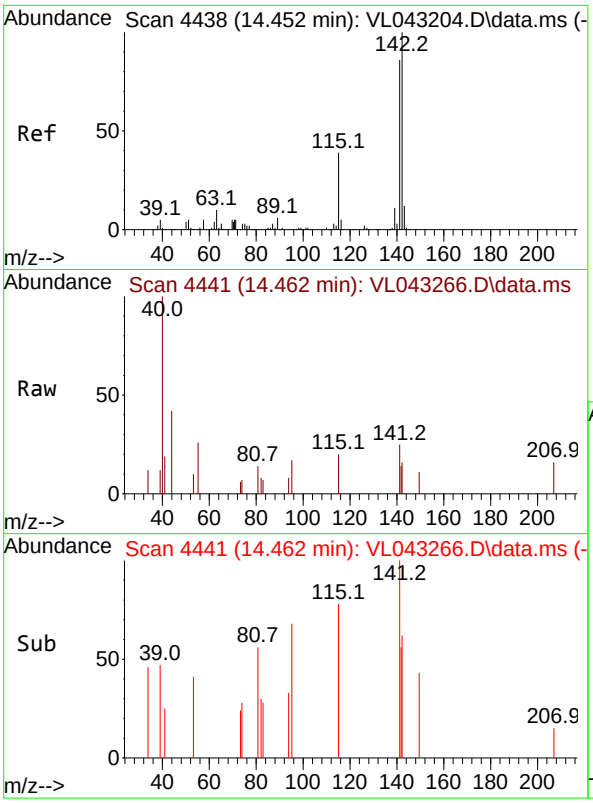


#79
Naphthalene
Concen: 0.040 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. 0.003 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Tgt Ion:128 Resp: 1301

Ion	Ratio	Lower	Upper
128	100		
127	31.8	9.9	14.9#
129	25.9	8.4	12.6#



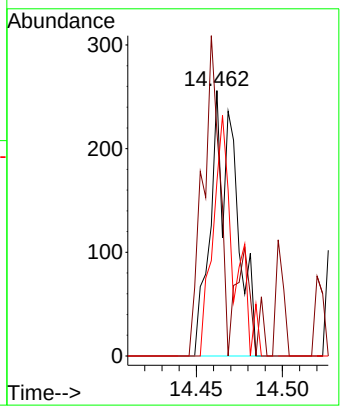


#80
Naphthalene,2-methyl-
Concen: 0.030 ppbv
RT: 14.462 min Scan# 44
Delta R.T. 0.010 min
Lab File: VL043266.D
Acq: 20 Nov 2025 15:40

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:142 Resp: 261

Ion	Ratio	Lower	Upper
142	100		
141	106.1	67.1	100.7#
115	76.2	31.9	47.9#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043267.D
Acq On : 20 Nov 2025 16:20
Operator : SY/MD
Sample : Q3655-01DUP 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Quant Time: Nov 21 00:40:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

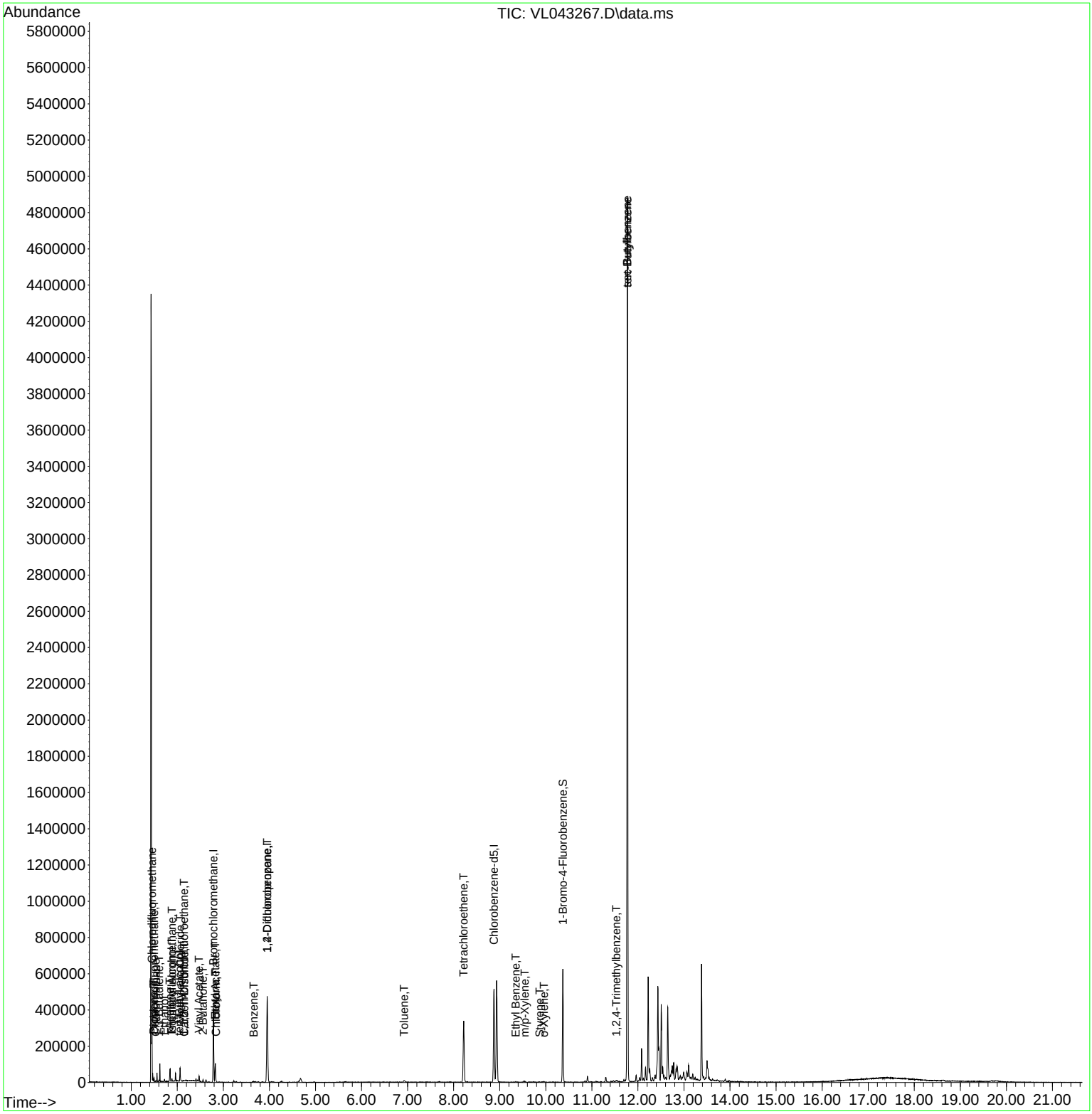
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.784	49	103103	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.952	114	274025	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.875	117	207116	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.370	95	147871	9.740	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.400%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	3914	0.269	ppbv		96
3) Chlorodifluoromethane	1.450	51	21594	1.510	ppbv	#	59
4) Chloromethane	1.531	50	1067	0.196	ppbv		89
9) Propene	1.489	41	1389	0.229	ppbv	#	1
11) Trichlorofluoromethane	1.881	101	2116	0.150	ppbv		86
12) 1,1,2-Trichlorotrifluo...	2.143	101	751	0.068	ppbv		99
13) Ethanol	1.719	45	3960	1.854	ppbv	#	38
15) Acetone	1.835	43	24225	1.691	ppbv	#	85
16) 1,3-Butadiene	1.602	39	959	0.150	ppbv	#	59
17) tert-Butyl alcohol	2.043	59	996	0.053	ppbv	#	24
19) Isopropyl Alcohol	1.884	45	5352	0.661	ppbv	#	29
20) Methylene Chloride	2.062	84	11481	2.100	ppbv		86
23) Vinyl Acetate	2.470	43	7675	0.444	ppbv	#	55
25) Ethyl Acetate	2.826	43	17336	0.561	ppbv	#	79
26) Hexane	2.826	57	23124	1.707	ppbv	#	43
27) Carbon Disulfide	2.149	76	893	0.065	ppbv	#	68
29) Chloroform	2.842	83	644	0.033	ppbv		90
34) 2-Butanone	2.557	43	8817	0.456	ppbv		97
36) Benzene	3.658	78	1286	0.049	ppbv		97
39) 1,2-Dichloropropane	3.952	63	68840	7.167	ppbv	#	25
52) Tetrachloroethene	8.218	164	60070	6.154	ppbv		98
53) Toluene	6.923	91	6049	0.195	ppbv	#	84
58) Ethyl Benzene	9.348	91	1679	0.042	ppbv	#	86
59) m/p-Xylene	9.542	91	1115	0.035	ppbv	#	31
60) o-Xylene	9.959	91	1577	0.049	ppbv		98
61) Styrene	9.865	104	765	0.055	ppbv	#	75
65) tert-Butylbenzene	11.772	119	31815	0.624	ppbv	#	27
67) sec-Butylbenzene	11.769	105	9077	0.127	ppbv	#	90
74) 1,2,4-Trimethylbenzene	11.532	105	1913	0.054	ppbv	#	56

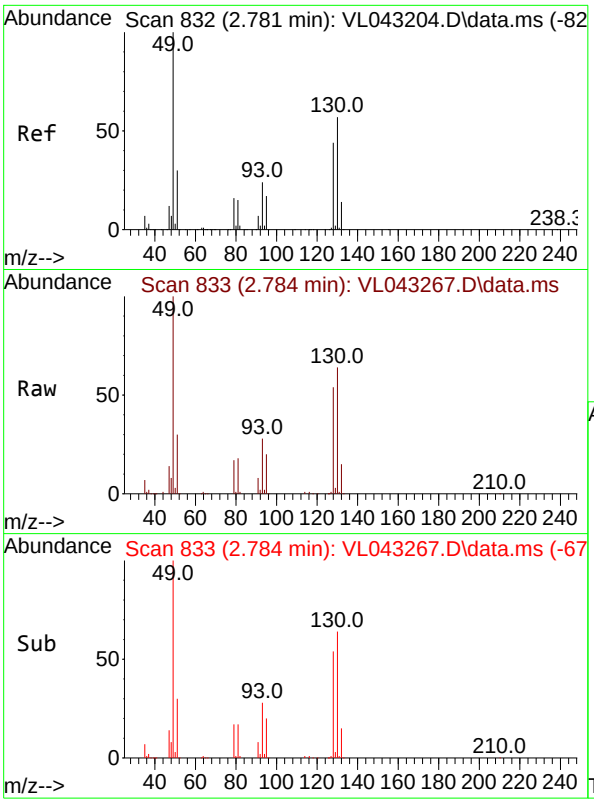
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043267.D
Acq On : 20 Nov 2025 16:20
Operator : SY/MD
Sample : Q3655-01DUP 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Quant Time: Nov 21 00:40:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



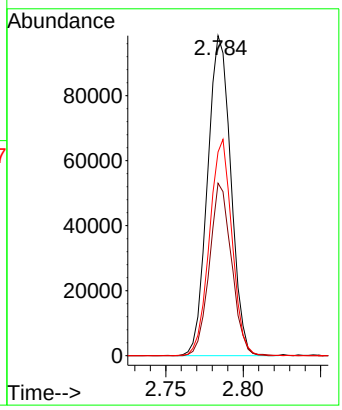


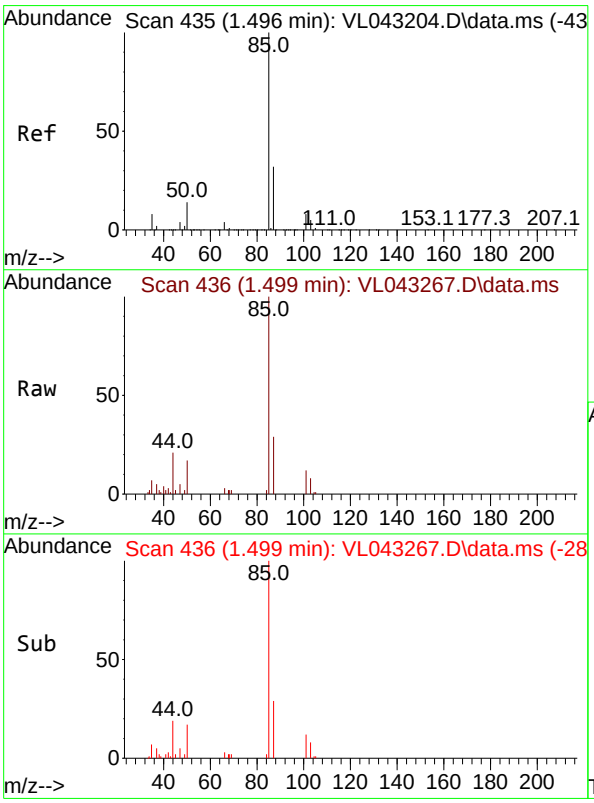
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 49 Resp: 103103

Ion	Ratio	Lower	Upper
49	100		
128	50.9	23.0	69.0
130	65.3	29.9	89.7

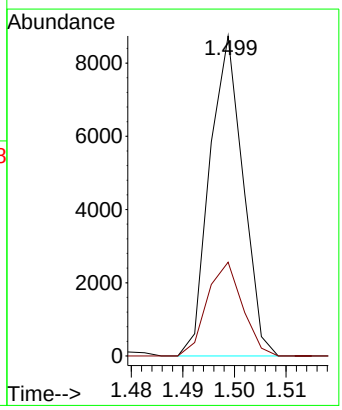


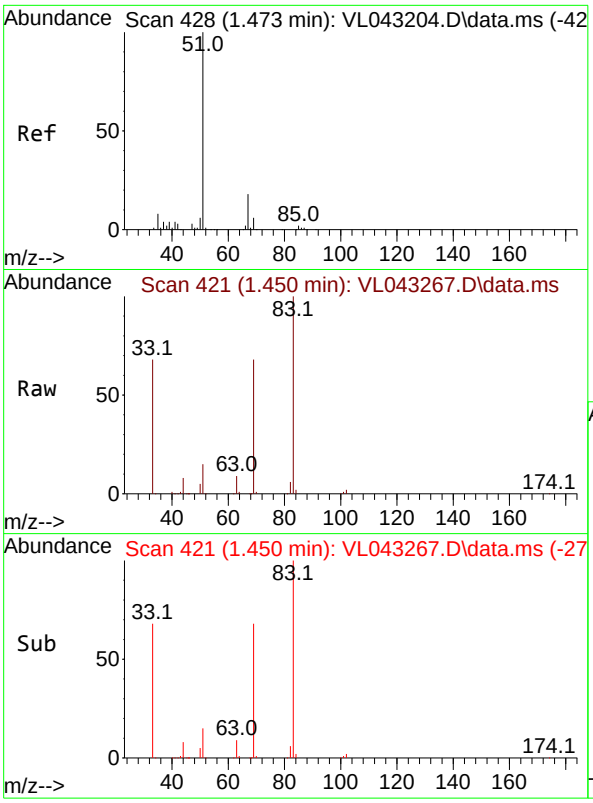


#2
Dichlorodifluoromethane
Concen: 0.269 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 85 Resp: 3914

Ion	Ratio	Lower	Upper
85	100		
87	29.3	25.4	38.2



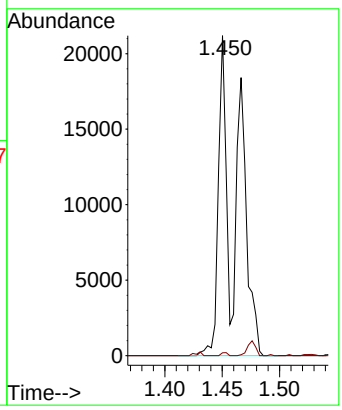


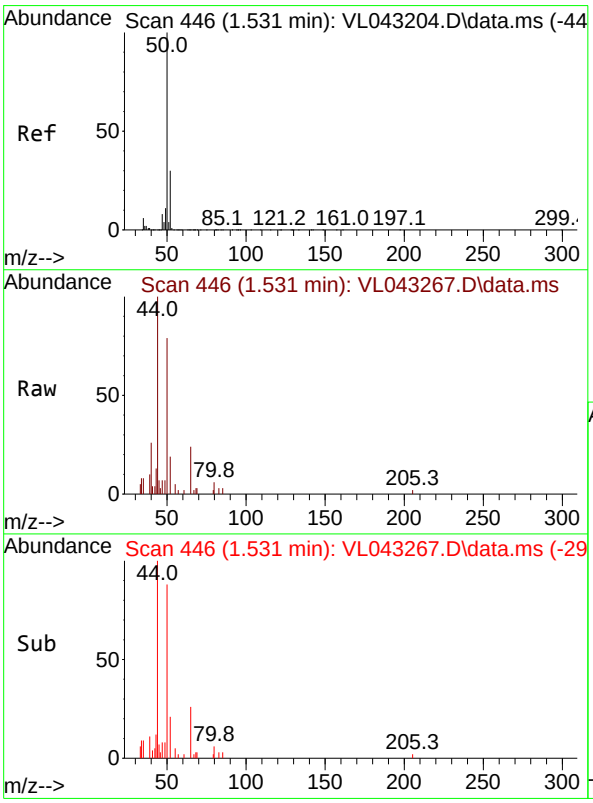
#3
Chlorodifluoromethane
Concen: 1.510 ppbv
RT: 1.450 min Scan# 4
Delta R.T. -0.023 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 51 Resp: 21594

Ion	Ratio	Lower	Upper
51	100		
67	0.4	14.9	22.3#

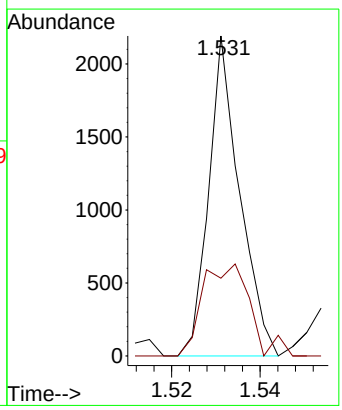


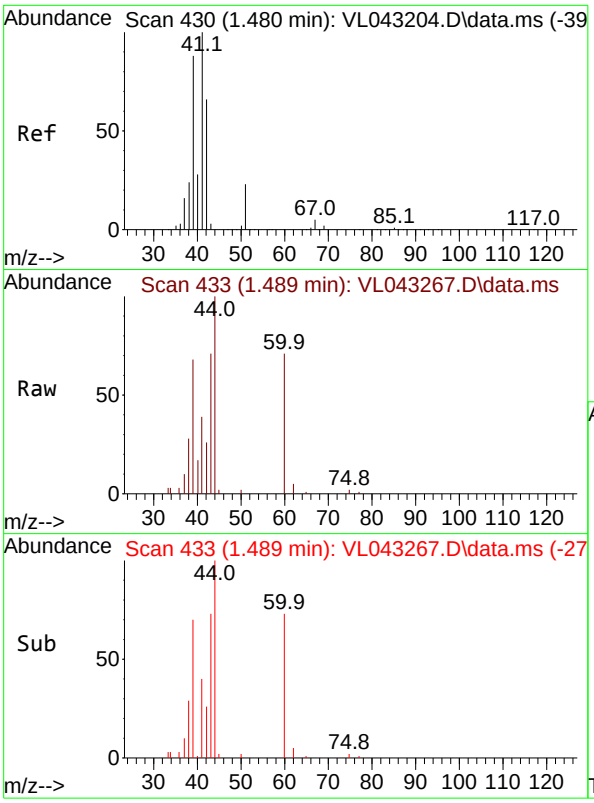


#4
Chloromethane
Concen: 0.196 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 50 Resp: 1067

Ion	Ratio	Lower	Upper
50	100		
52	24.3	24.1	36.1



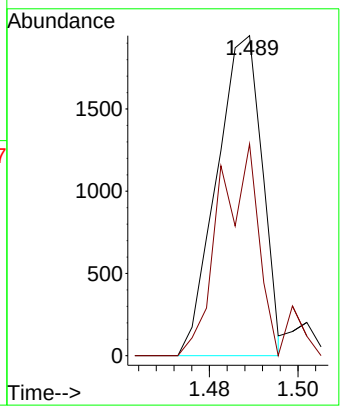


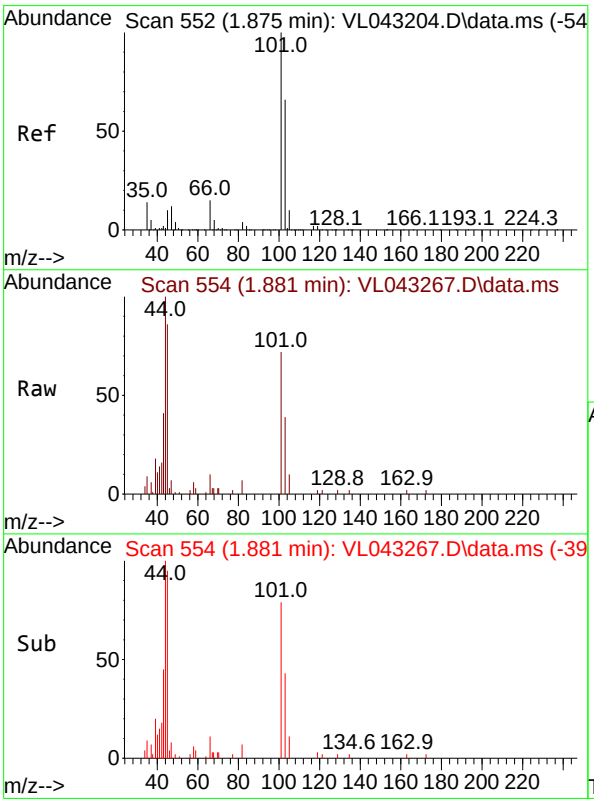
#9
Propene
Concen: 0.229 ppbv
RT: 1.489 min Scan# 4
Delta R.T. 0.009 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 41 Resp: 1389

Ion	Ratio	Lower	Upper
41	100		
42	74.4	3.7	5.5#

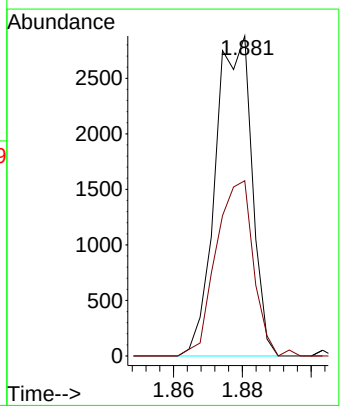


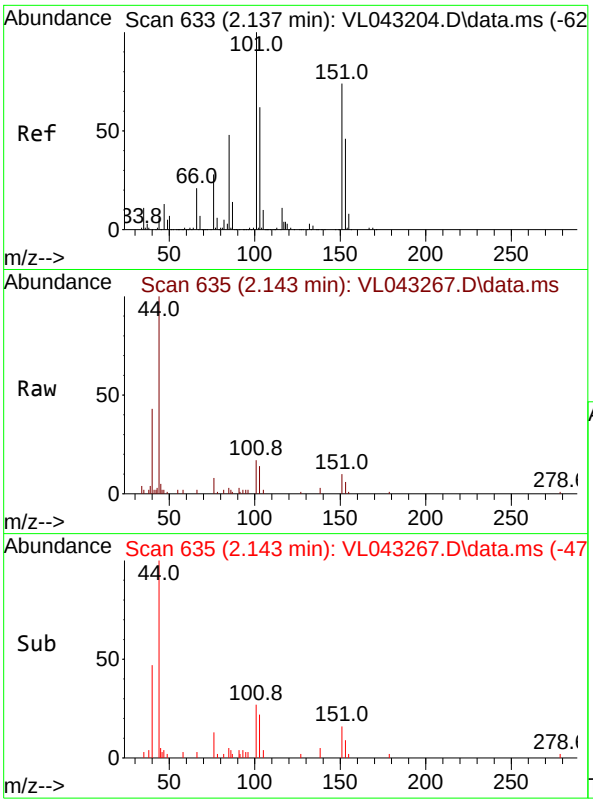


#11
Trichlorofluoromethane
Concen: 0.150 ppbv
RT: 1.881 min Scan# 554
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:101 Resp: 2116

Ion	Ratio	Lower	Upper
101	100		
103	54.7	52.6	79.0



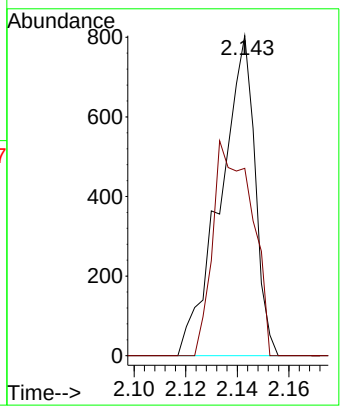


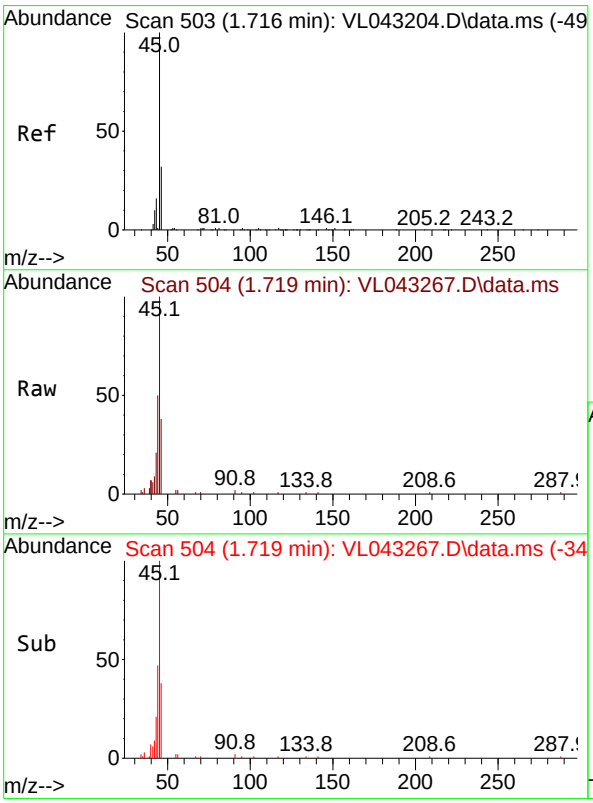
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.068 ppbv
RT: 2.143 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion:101 Resp: 751

Ion	Ratio	Lower	Upper
101	100		
151	74.6	59.2	88.8

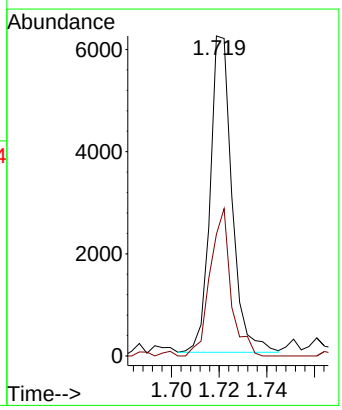


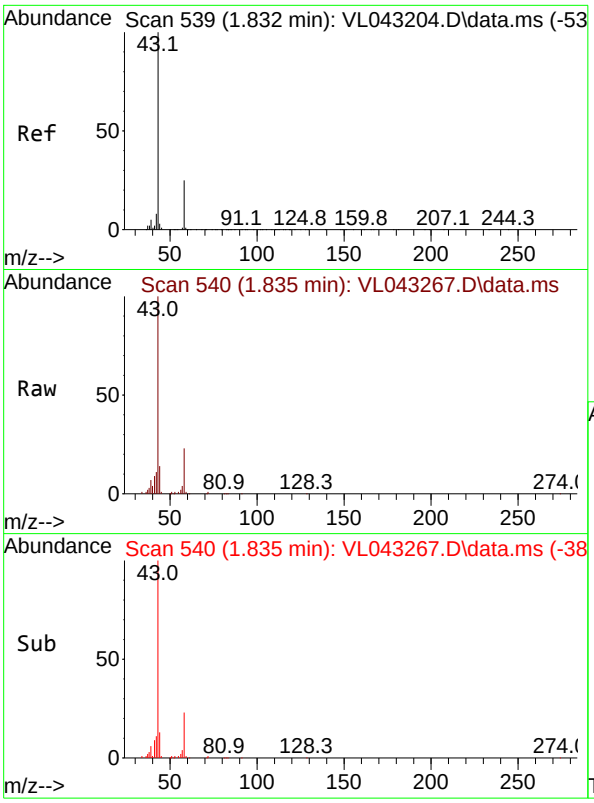


#13
Ethanol
Concen: 1.854 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 45 Resp: 3960

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#



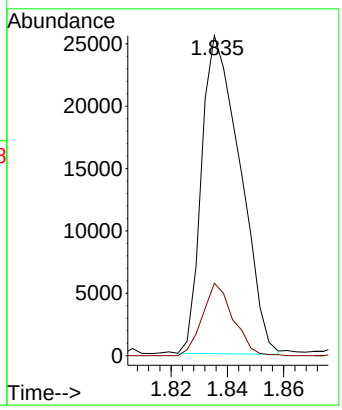


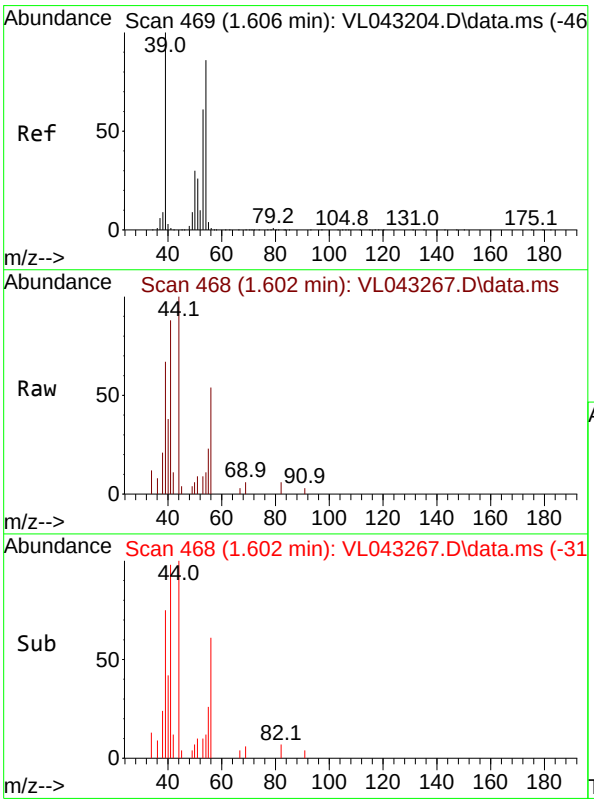
#15
Acetone
Concen: 1.691 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 43 Resp: 24225

Ion	Ratio	Lower	Upper
43	100		
58	18.2	20.7	31.1#

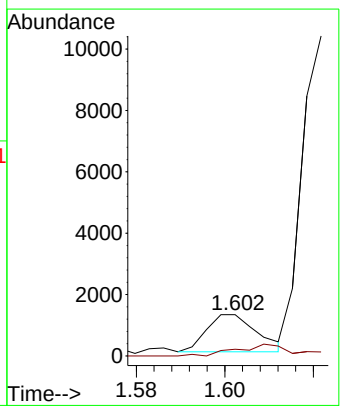


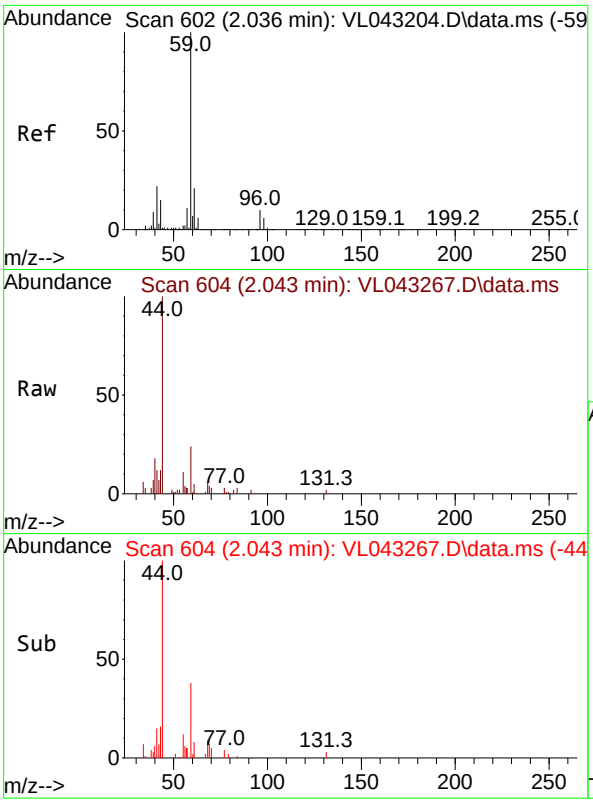


#16
1,3-Butadiene
Concen: 0.150 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.004 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 39 Resp: 959

Ion	Ratio	Lower	Upper
39	100		
54	39.5	59.4	89.2#



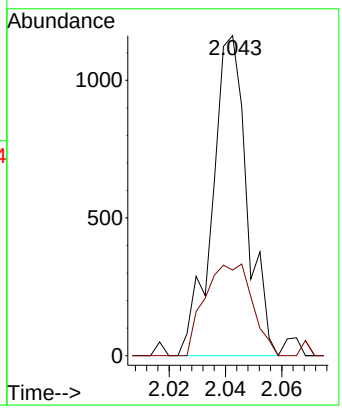


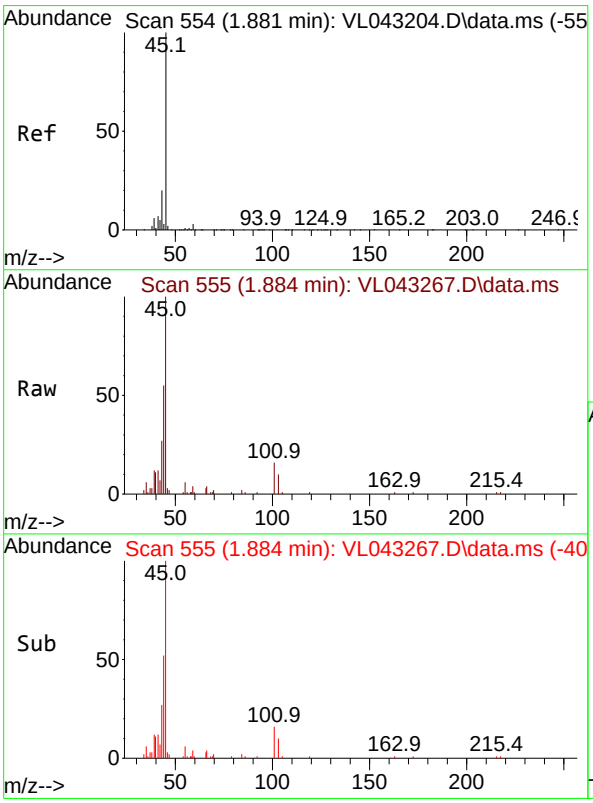
#17
tert-Butyl alcohol
Concen: 0.053 ppbv
RT: 2.043 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 59 Resp: 996

Ion	Ratio	Lower	Upper
59	100		
57	40.2	9.0	13.4#

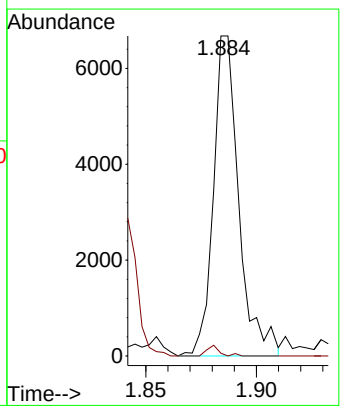


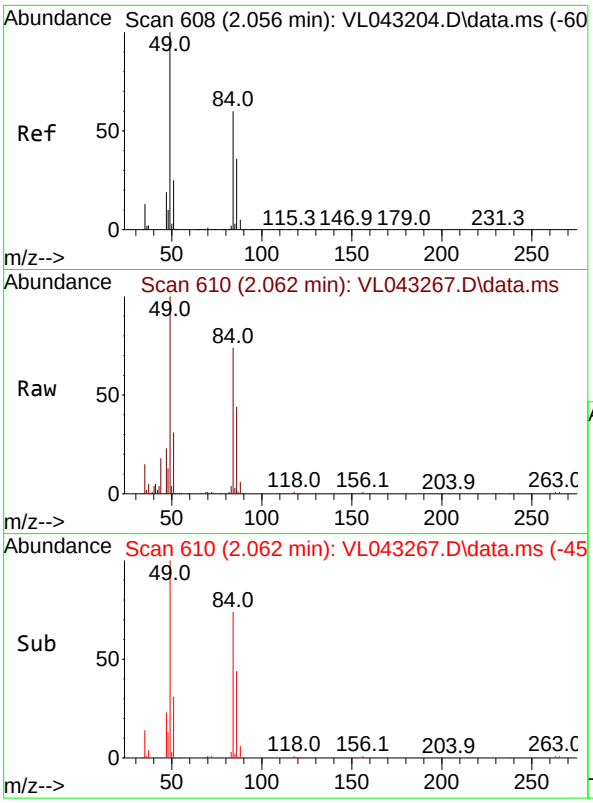


#19
Isopropyl Alcohol
Concen: 0.661 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 45 Resp: 5352

Ion	Ratio	Lower	Upper
45	100		
58	82.5	31.3	46.9#



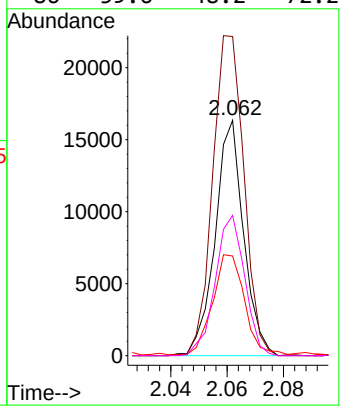


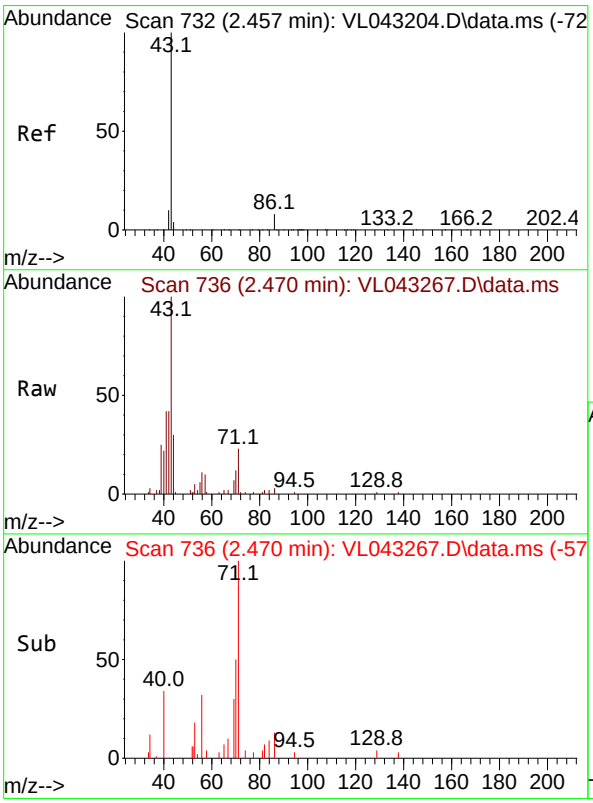
#20
Methylene Chloride
Concen: 2.100 ppbv
RT: 2.062 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 84 Resp: 11481

Ion	Ratio	Lower	Upper
84	100		
49	135.6	132.9	199.3
51	41.9	34.8	52.2
86	59.6	48.2	72.2

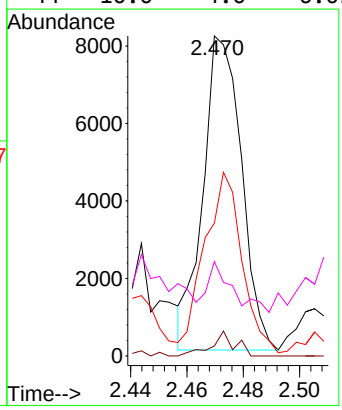


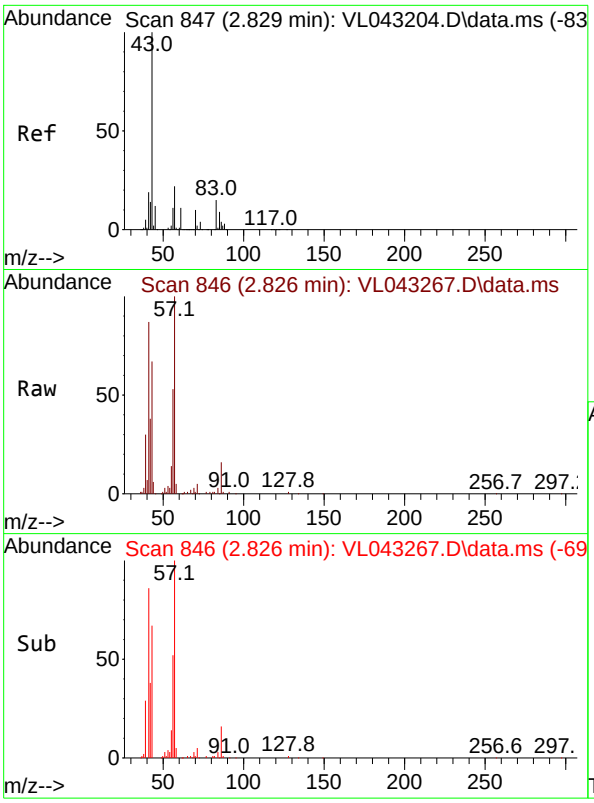


#23
Vinyl Acetate
Concen: 0.444 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.013 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 43 Resp: 7675

Ion	Ratio	Lower	Upper
43	100		
86	3.1	6.2	9.2#
42	41.3	8.0	12.0#
44	10.0	4.0	6.0#



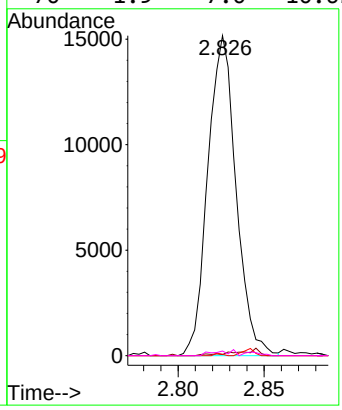


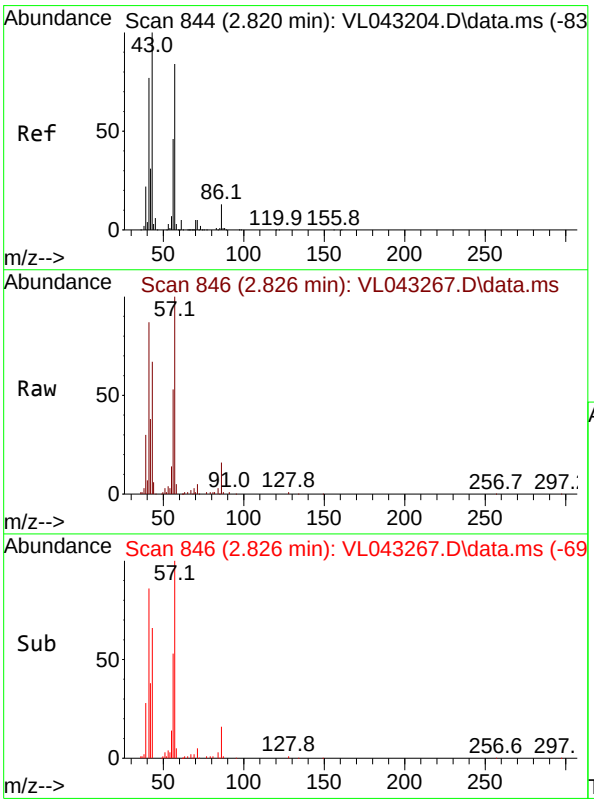
#25
Ethyl Acetate
Concen: 0.561 ppbv
RT: 2.826 min Scan# 84
Delta R.T. -0.004 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 43 Resp: 17336

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.1	12.1#
61	1.1	7.0	10.4#
70	1.9	7.0	10.6#

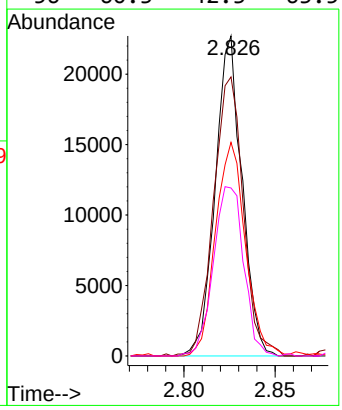


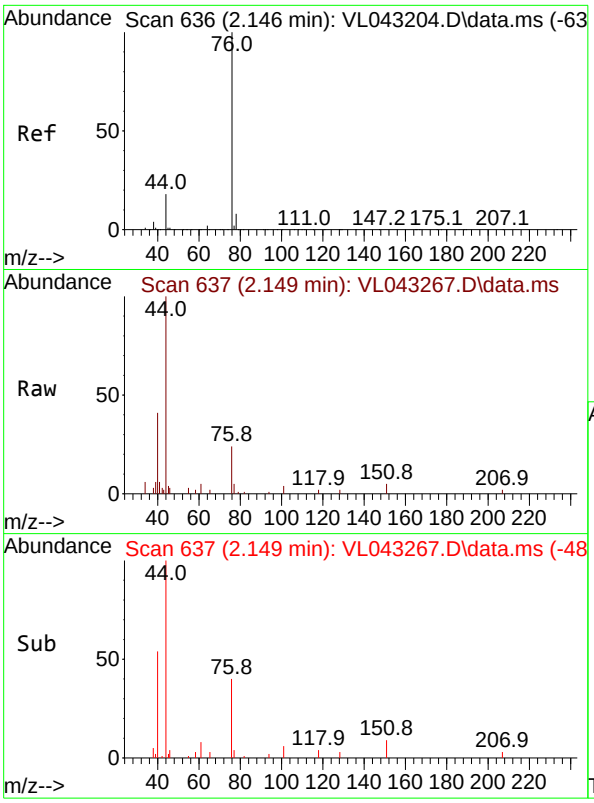


#26
Hexane
Concen: 1.707 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 57 Resp: 23124

Ion	Ratio	Lower	Upper
57	100		
41	97.2	74.6	111.8
43	76.7	179.0	268.4#
56	60.3	42.3	63.5



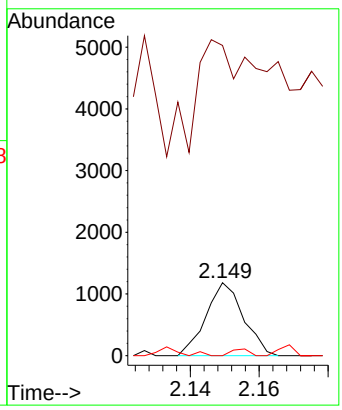


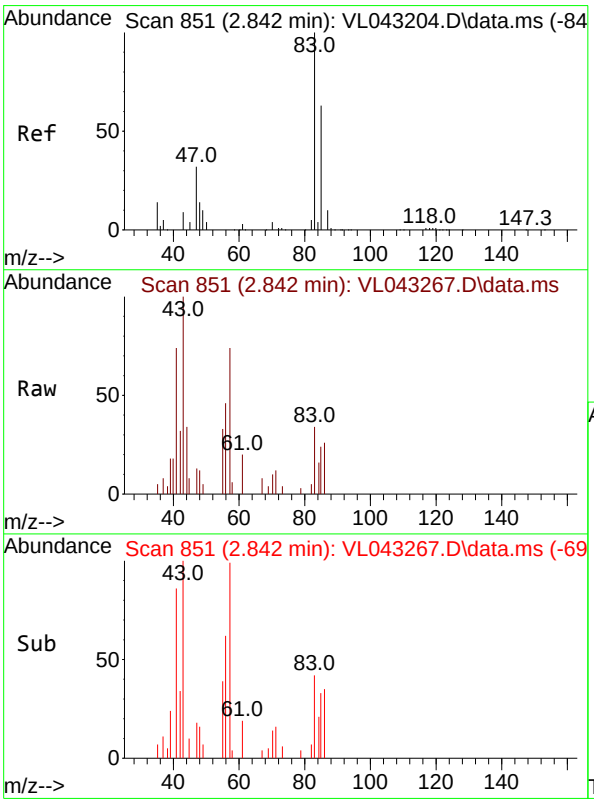
#27
Carbon Disulfide
Concen: 0.065 ppbv
RT: 2.149 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 76 Resp: 893

Ion	Ratio	Lower	Upper
76	100		
44	0.0	16.1	24.1#
78	17.1	9.6	14.4#

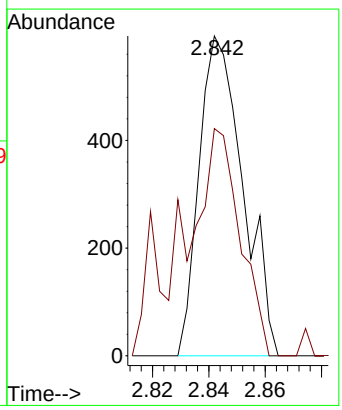


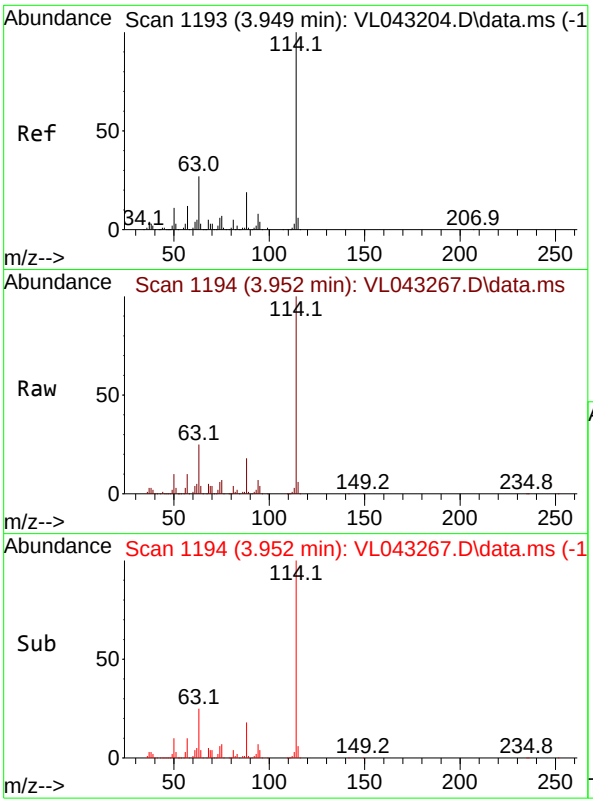


#29
Chloroform
Concen: 0.033 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.000 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 83 Resp: 644

Ion	Ratio	Lower	Upper
83	100		
85	71.0	50.5	75.7



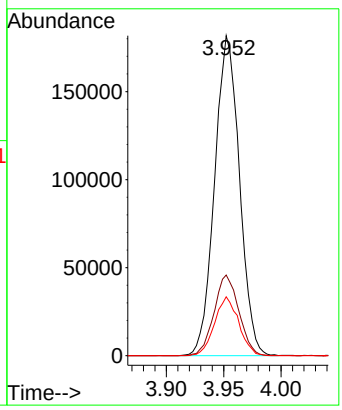


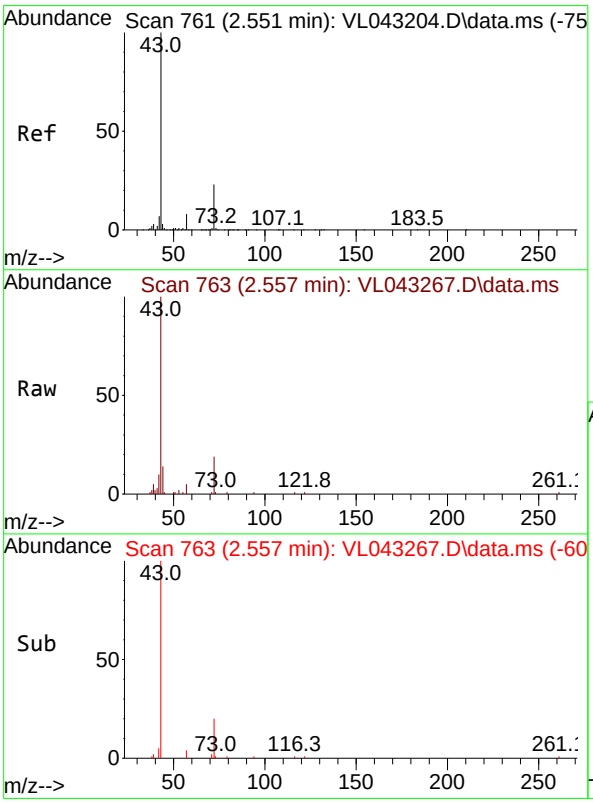
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion:114 Resp: 274025

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.0	31.6
88	17.9	14.9	22.3

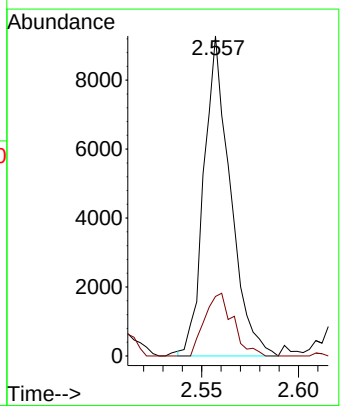


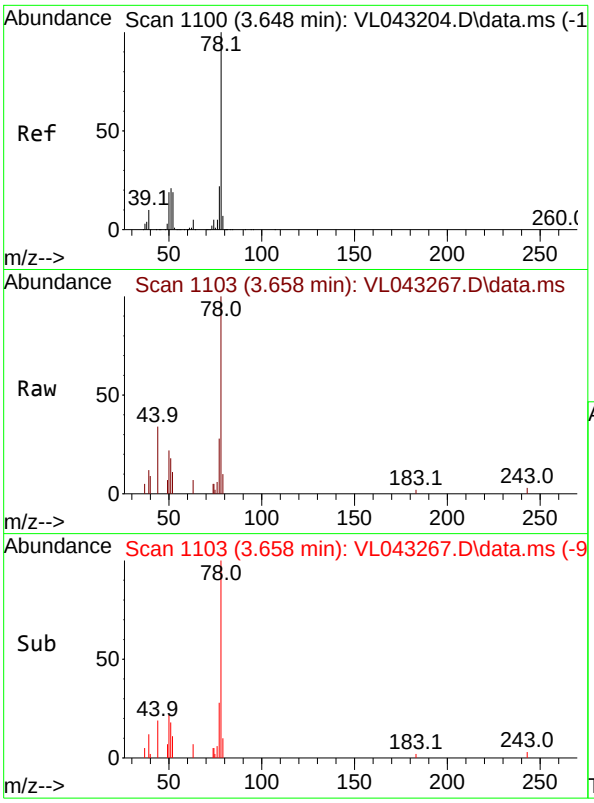


#34
2-Butanone
Concen: 0.456 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 43 Resp: 8817

Ion	Ratio	Lower	Upper
43	100		
72	21.1	18.1	27.1



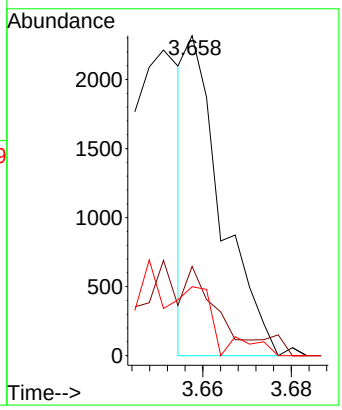


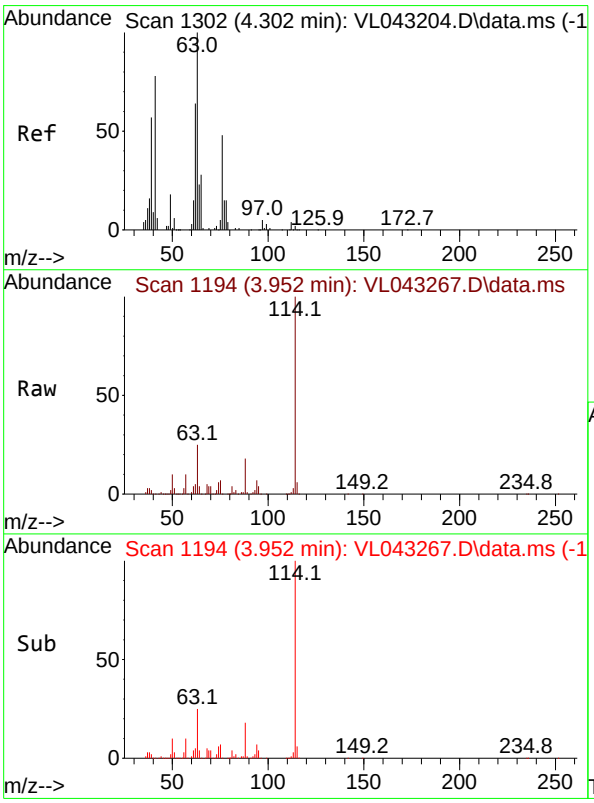
#36
Benzene
Concen: 0.049 ppbv
RT: 3.658 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 78 Resp: 1286

Ion	Ratio	Lower	Upper
78	100		
77	21.4	17.5	26.3
50	21.5	15.5	23.3

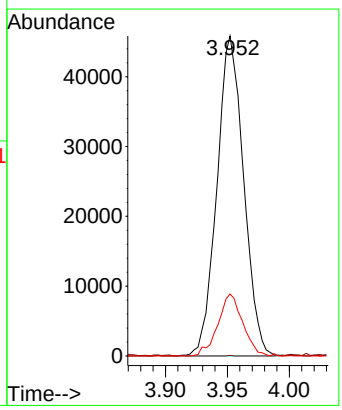


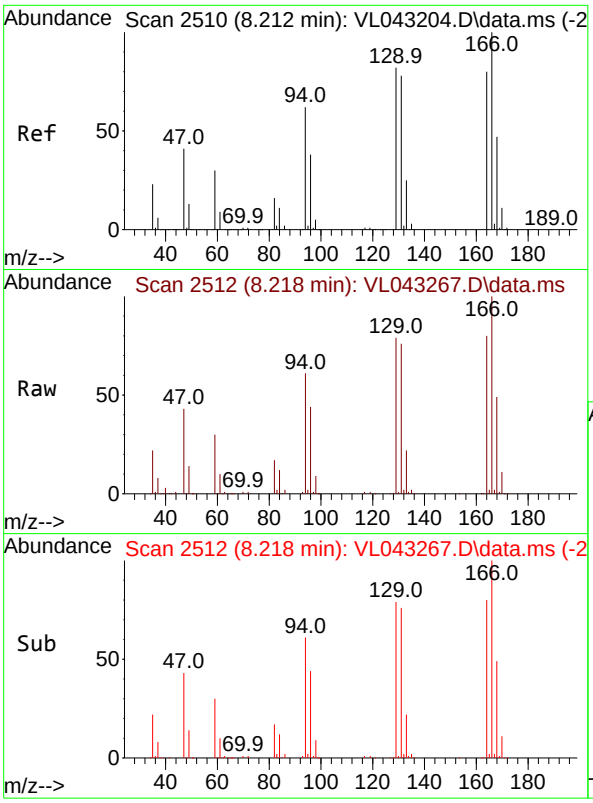


#39
1,2-Dichloropropane
Concen: 7.167 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.350 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 63 Resp: 68840

Ion	Ratio	Lower	Upper
63	100		
41	0.2	62.6	93.8#
62	19.3	51.0	76.6#



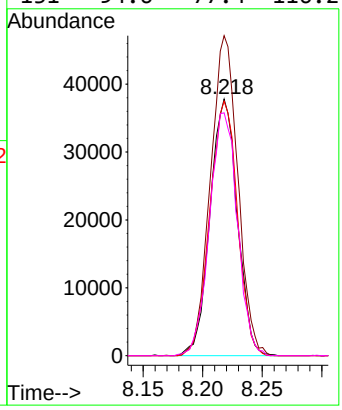


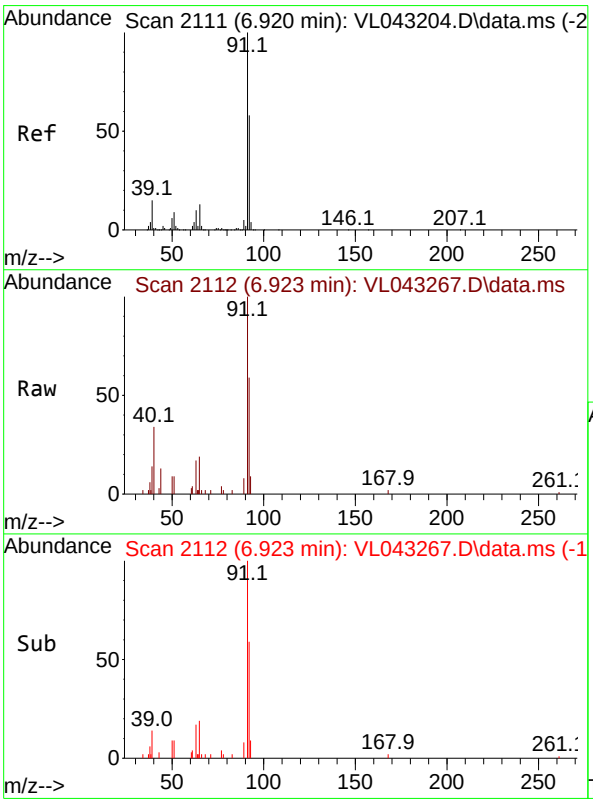
#52
Tetrachloroethene
Concen: 6.154 ppbv
RT: 8.218 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion:164 Resp: 60070

Ion	Ratio	Lower	Upper
164	100		
166	124.7	99.4	149.2
129	99.1	81.8	122.8
131	94.6	77.4	116.2

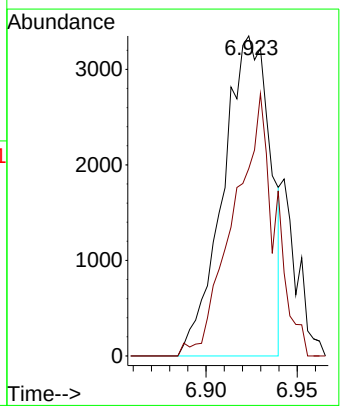


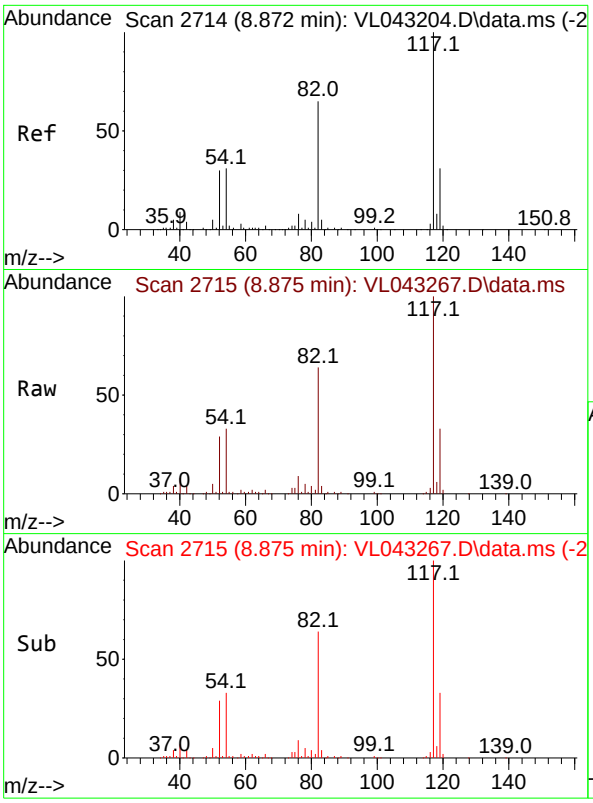


#53
Toluene
Concen: 0.195 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 91 Resp: 6049

Ion	Ratio	Lower	Upper
91	100		
92	71.6	47.4	71.0#



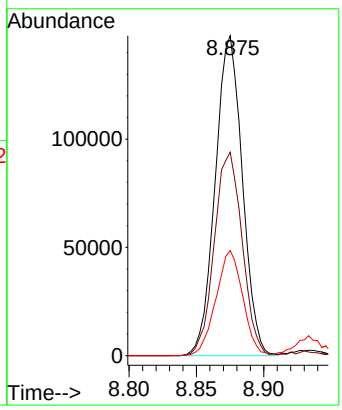


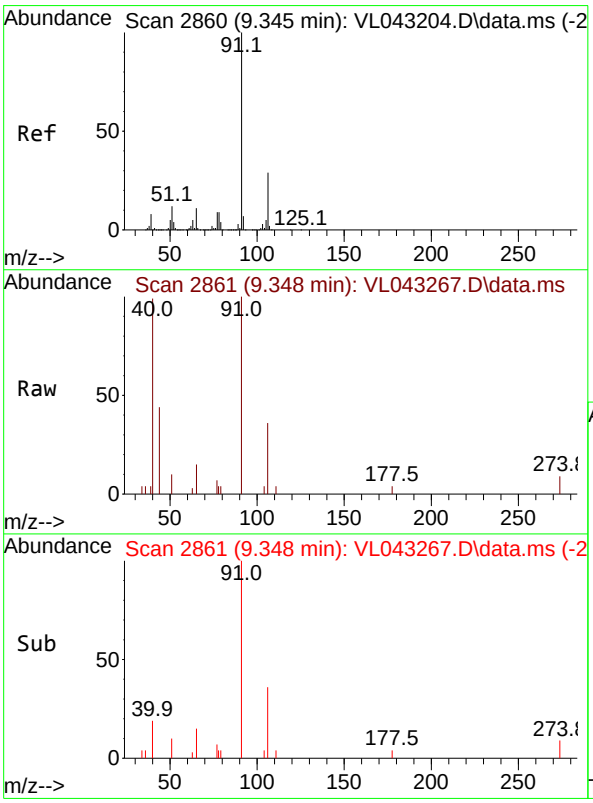
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion:117 Resp: 207116

Ion	Ratio	Lower	Upper
117	100		
82	65.4	56.1	84.1
119	32.5	25.0	37.6

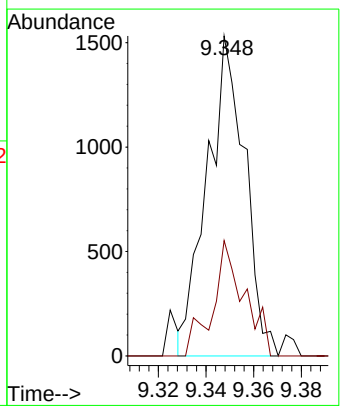


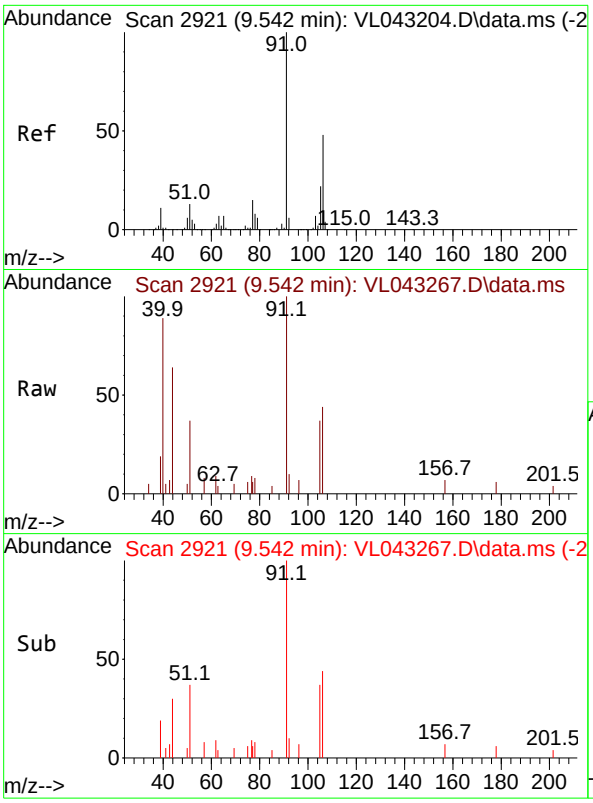


#58
Ethyl Benzene
Concen: 0.042 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 91 Resp: 1679

Ion	Ratio	Lower	Upper
91	100		
106	36.0	22.8	34.2#



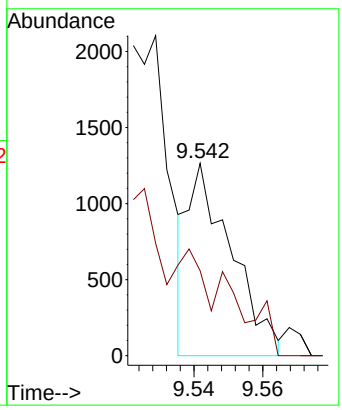


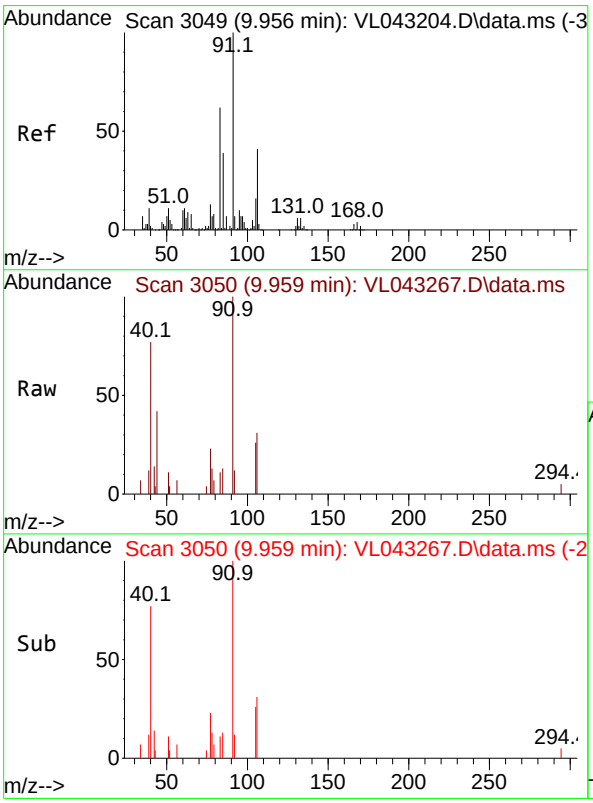
#59
m/p-Xylene
Concen: 0.035 ppbv
RT: 9.542 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion: 91 Resp: 1115

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.1	54.1#

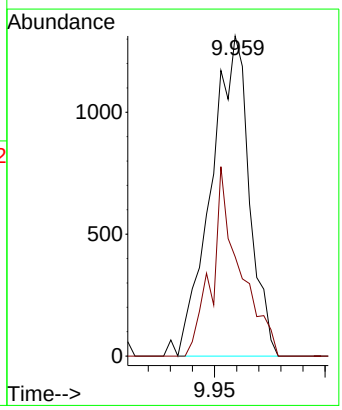


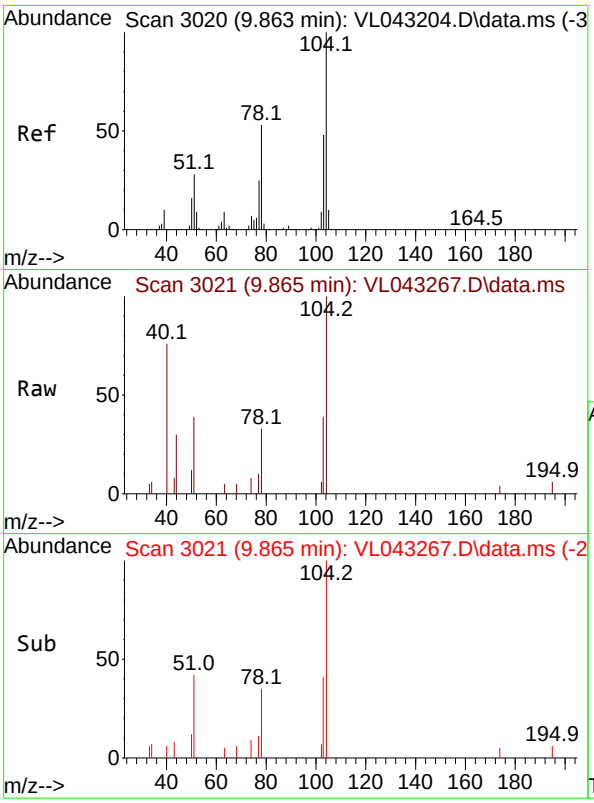


#60
o-Xylene
Concen: 0.049 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 91 Resp: 1577

Ion	Ratio	Lower	Upper
91	100		
106	43.2	20.9	62.8



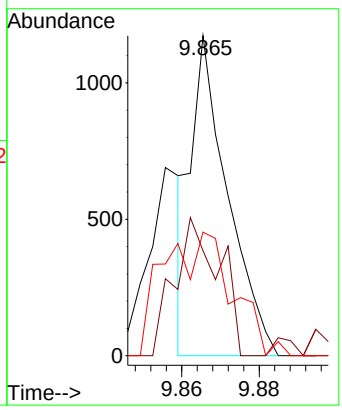


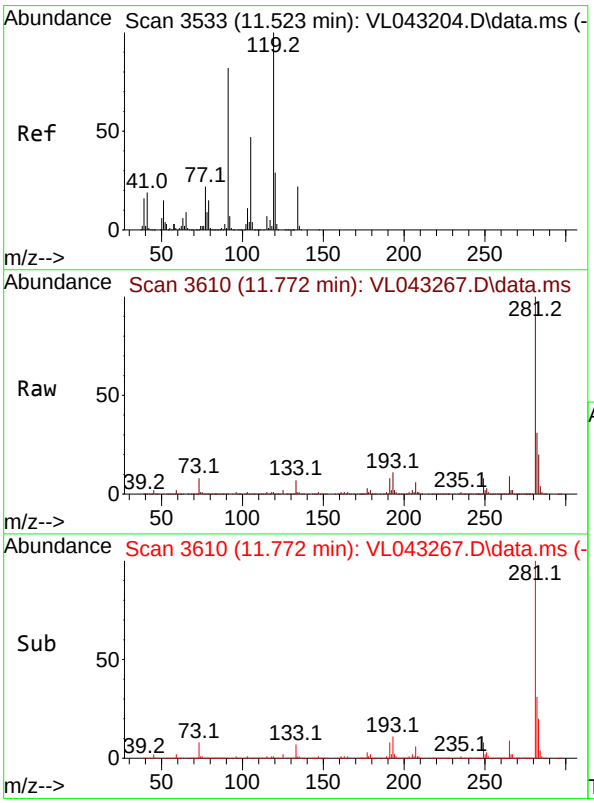
#61
Styrene
Concen: 0.055 ppbv
RT: 9.865 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion:104 Resp: 765

Ion	Ratio	Lower	Upper
104	100		
78	56.3	42.1	63.1
103	78.0	37.2	55.8#

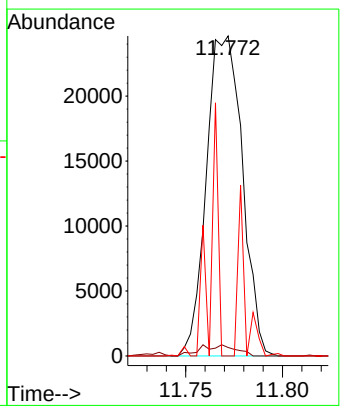


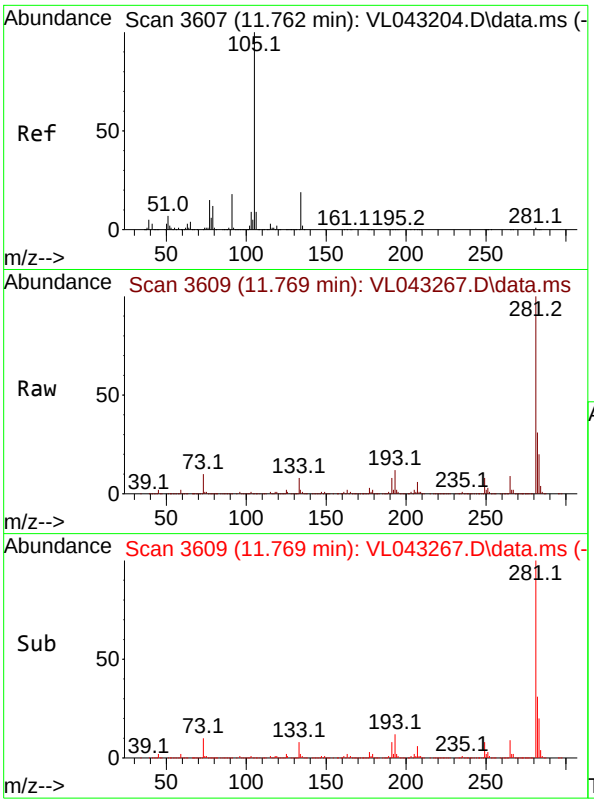


#65
tert-Butylbenzene
Concen: 0.624 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. 0.249 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion:119 Resp: 31815

Ion	Ratio	Lower	Upper
119	100		
91	3.9	65.3	97.9#
134	29.5	17.0	25.4#



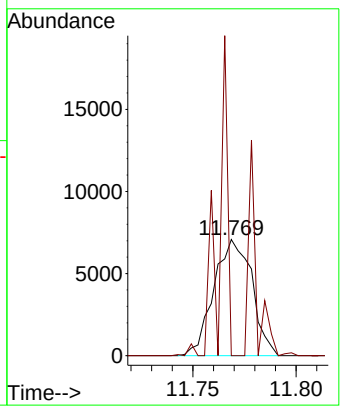


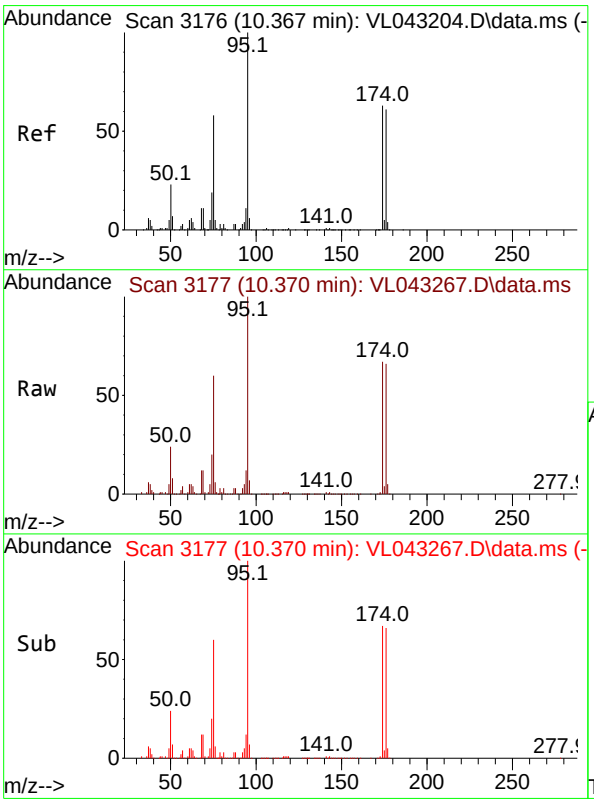
#67
sec-Butylbenzene
Concen: 0.127 ppbv
RT: 11.769 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion:105 Resp: 9077

Ion	Ratio	Lower	Upper
105	100		
134	23.2	15.0	22.6#

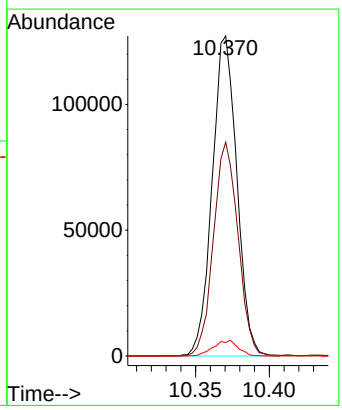


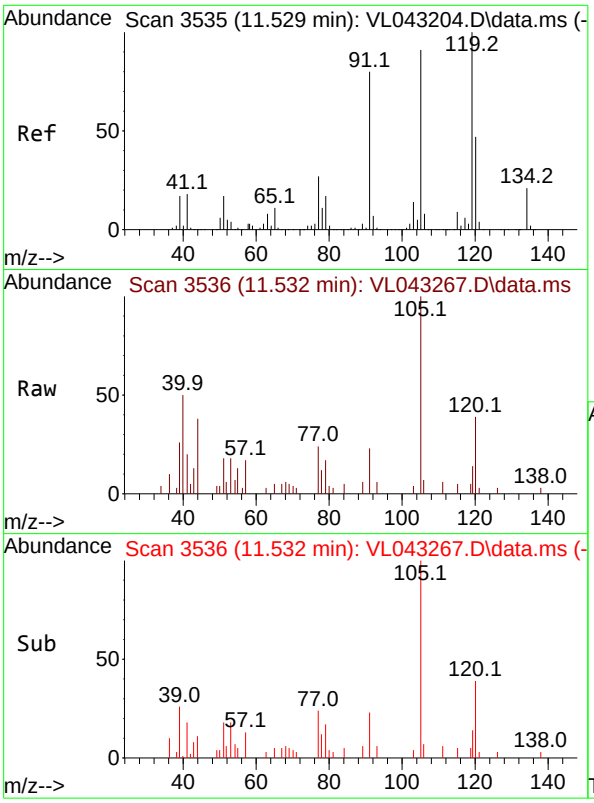


#68
1-Bromo-4-Fluorobenzene
Concen: 9.740 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Tgt Ion: 95 Resp: 147871

Ion	Ratio	Lower	Upper
95	100		
174	66.9	50.2	75.2
175	4.9	4.1	6.1



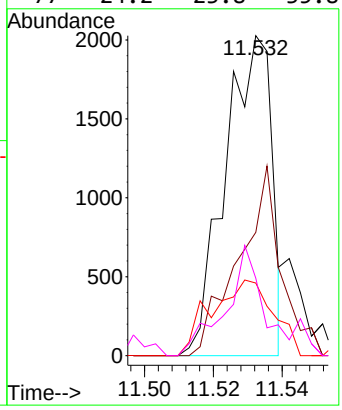


#74
1,2,4-Trimethylbenzene
Concen: 0.054 ppbv
RT: 11.532 min Scan# 3
Delta R.T. 0.003 min
Lab File: VL043267.D
Acq: 20 Nov 2025 16:20

Instrument :
MSVOA_L
ClientSampleId :
SG-1DUP

Tgt Ion:105 Resp: 1913

Ion	Ratio	Lower	Upper
105	100		
120	38.5	41.7	62.5#
91	22.7	70.0	105.0#
77	24.2	23.8	35.8



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043268.D
Acq On : 20 Nov 2025 16:54
Operator : SY/MD
Sample : Q3655-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: Nov 21 00:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

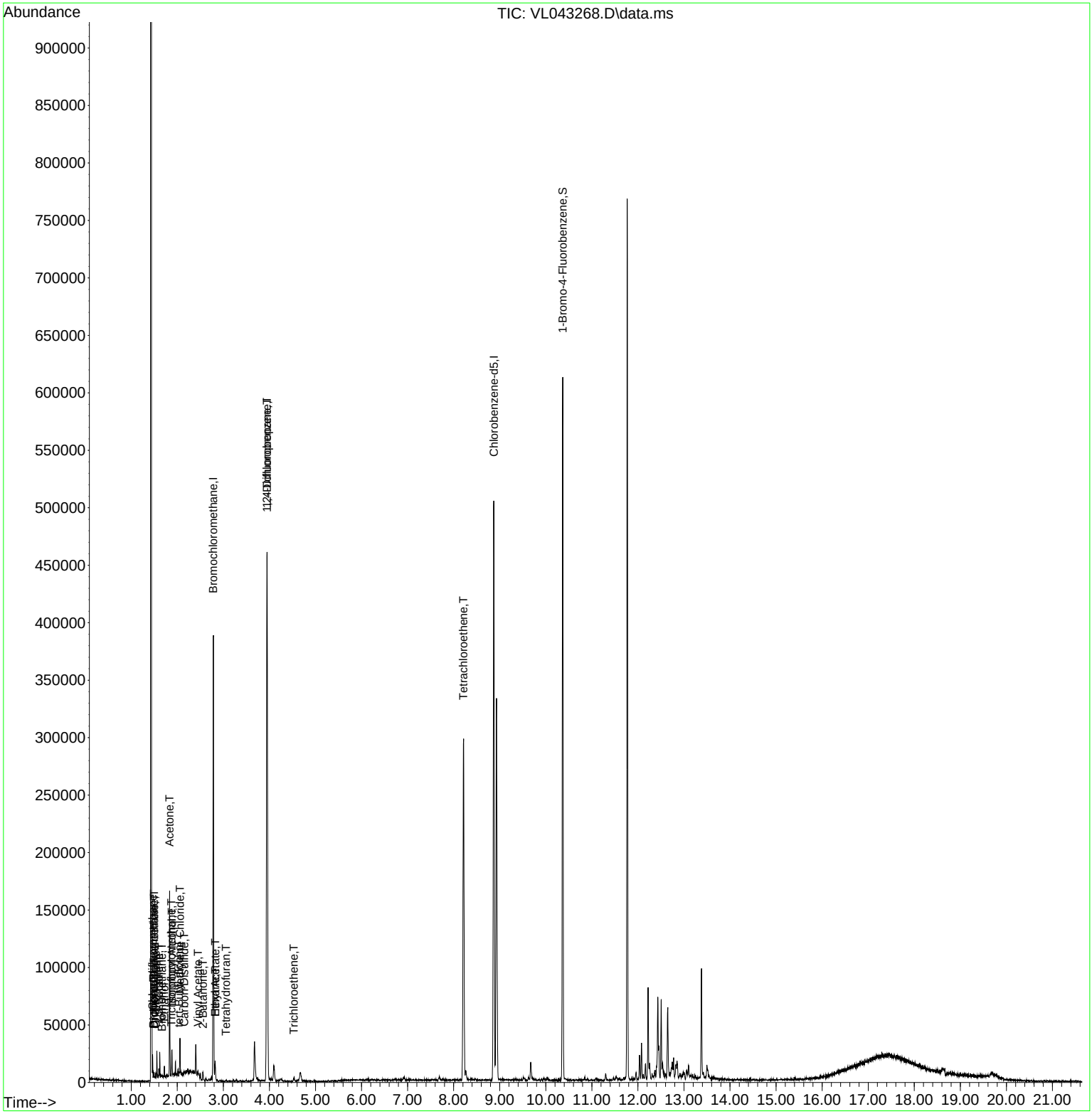
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	101802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	271004	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	205327	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	146175	9.712	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	800	0.056	ppbv #	28
3) Chlorodifluoromethane	1.463	51	7264	0.514	ppbv #	62
4) Chloromethane	1.531	50	943	0.176	ppbv	91
6) Bromomethane	1.667	94	298	0.105	ppbv #	75
8) Dichlorotetrafluoroethane	1.499	85	800	0.067	ppbv #	17
9) Propene	1.483	41	901	0.150	ppbv #	1
11) Trichlorofluoromethane	1.874	101	453	0.033	ppbv	98
13) Ethanol	1.719	45	2891	1.371	ppbv #	38
15) Acetone	1.832	43	68558	4.847	ppbv	98
16) 1,3-Butadiene	1.599	39	897	0.142	ppbv #	12
17) tert-Butyl alcohol	2.039	59	610	0.033	ppbv	98
19) Isopropyl Alcohol	1.884	45	10003	1.252	ppbv #	1
20) Methylene Chloride	2.059	84	4589	0.343	ppbv #	88
23) Vinyl Acetate	2.447	43	2999	0.176	ppbv #	78
25) Ethyl Acetate	2.823	43	2905	0.095	ppbv #	78
26) Hexane	2.823	57	3399	0.254	ppbv #	42
27) Carbon Disulfide	2.149	76	796	0.058	ppbv #	1
34) 2-Butanone	2.557	43	4785	0.250	ppbv	100
38) Trichloroethene	4.528	130	338	0.033	ppbv #	32
39) 1,2-Dichloropropane	3.946	63	66861	7.039	ppbv #	24
41) Tetrahydrofuran	3.056	42	356	0.034	ppbv #	37
52) Tetrachloroethene	8.212	164	53043	5.494	ppbv	96

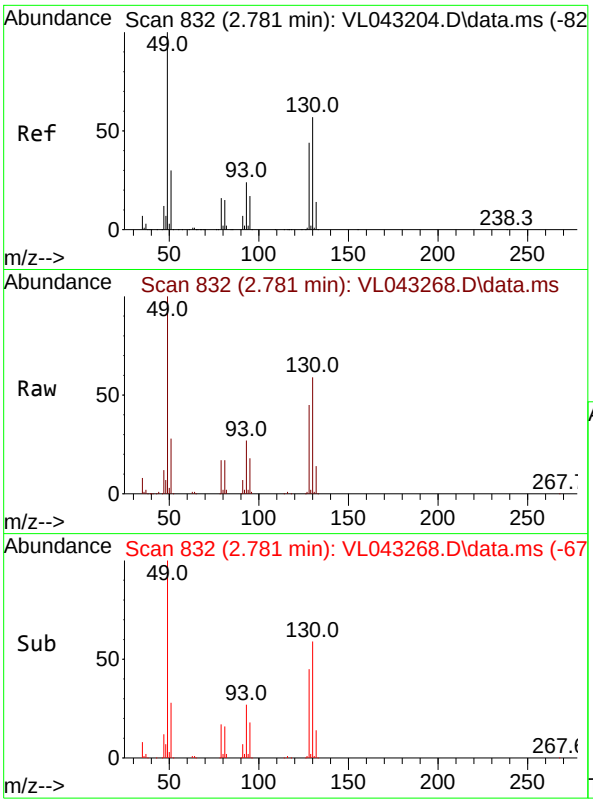
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043268.D
Acq On : 20 Nov 2025 16:54
Operator : SY/MD
Sample : Q3655-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: Nov 21 00:40:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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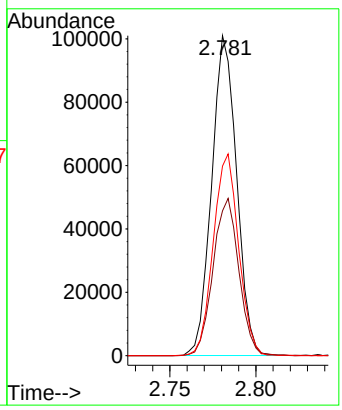


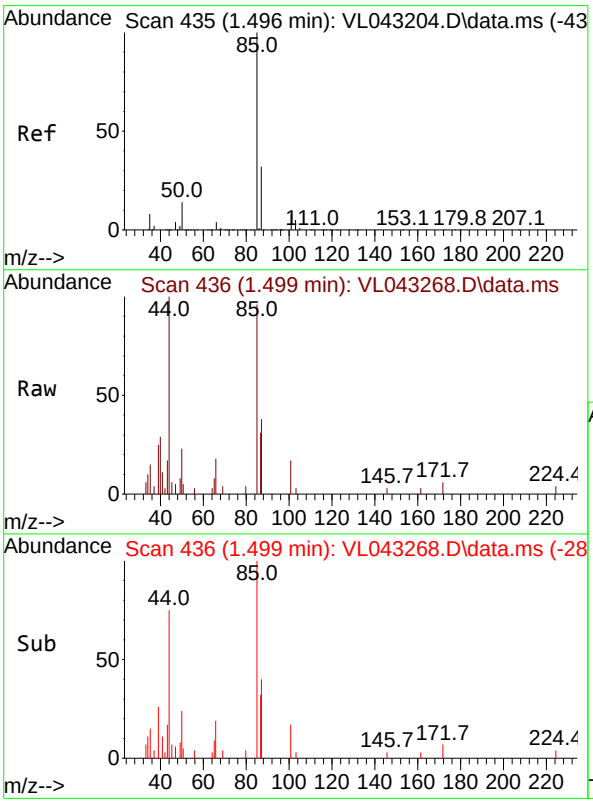
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 49 Resp: 101802

Ion	Ratio	Lower	Upper
49	100		
128	51.0	23.0	69.0
130	64.2	29.9	89.7

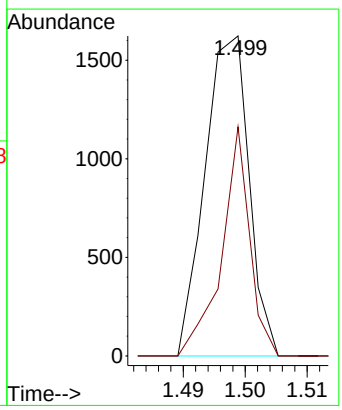


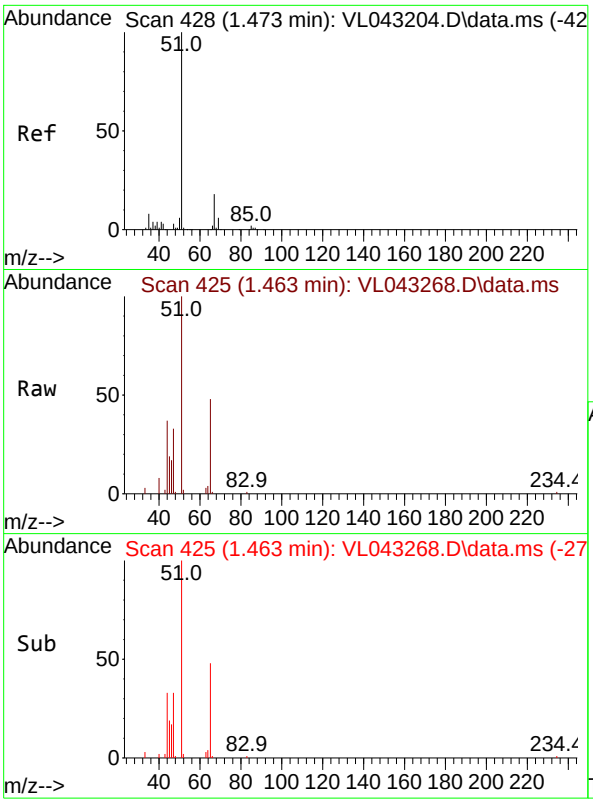


#2
Dichlorodifluoromethane
Concen: 0.056 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 85 Resp: 800

Ion	Ratio	Lower	Upper
85	100		
87	71.6	25.4	38.2#



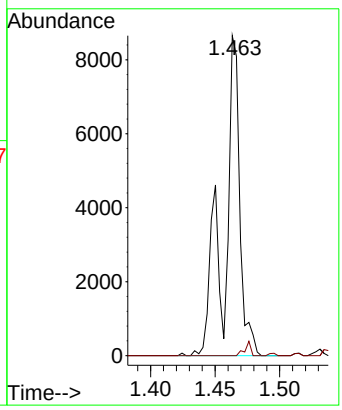


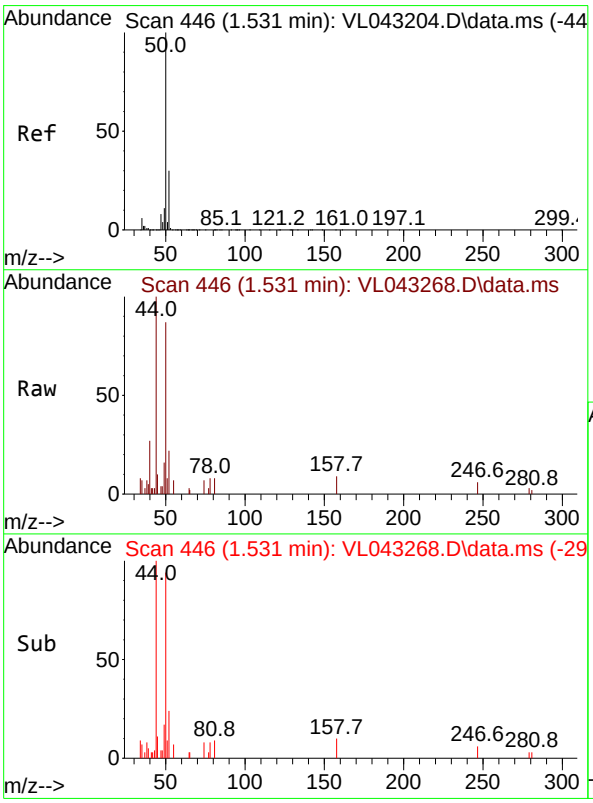
#3
Chlorodifluoromethane
Concen: 0.514 ppbv
RT: 1.463 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 51 Resp: 7264

Ion	Ratio	Lower	Upper
51	100		
67	1.7	14.9	22.3#

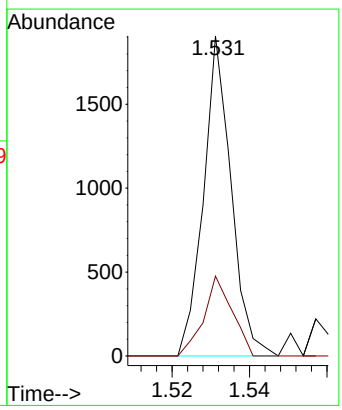


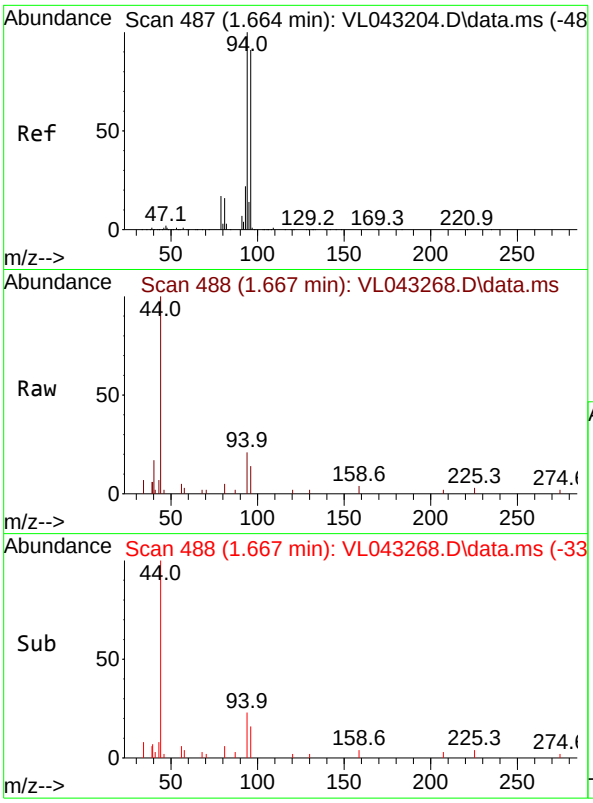


#4
Chloromethane
Concen: 0.176 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 50 Resp: 943

Ion	Ratio	Lower	Upper
50	100		
52	25.0	24.1	36.1



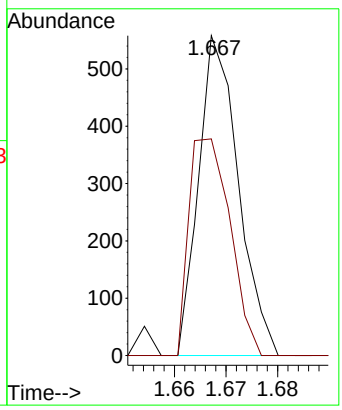


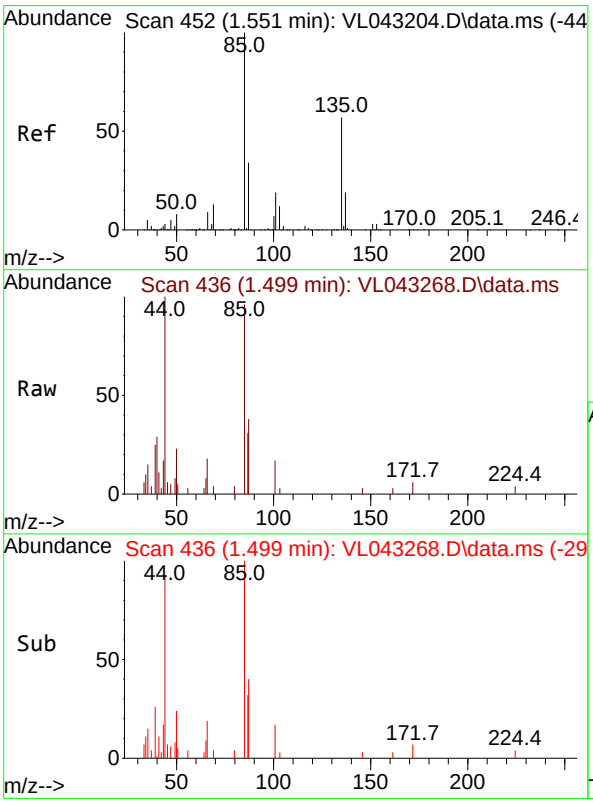
#6
Bromomethane
Concen: 0.105 ppbv
RT: 1.667 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 94 Resp: 298

Ion	Ratio	Lower	Upper
94	100		
96	67.7	72.9	109.3#

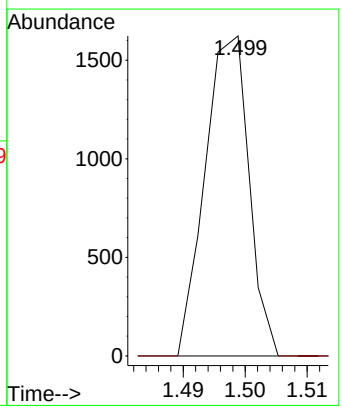


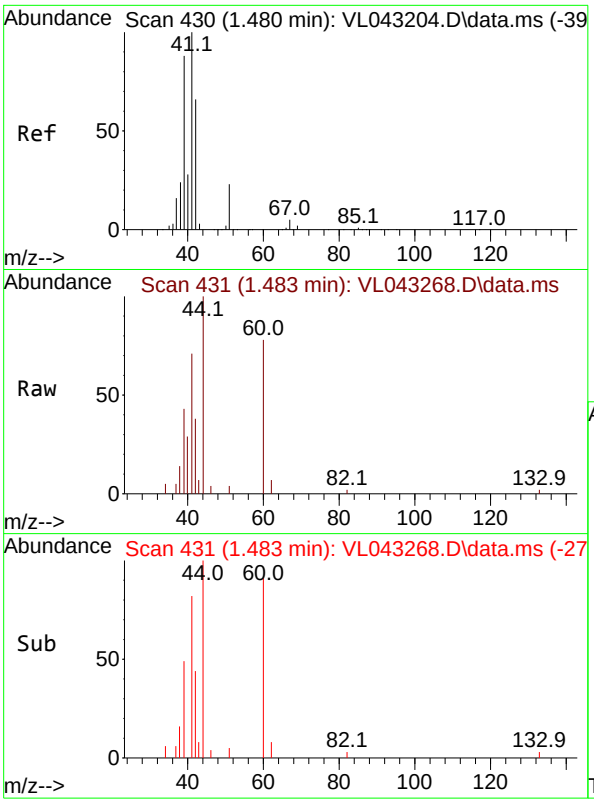


#8
Dichlorotetrafluoroethane
Concen: 0.067 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.052 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 85 Resp: 800

Ion	Ratio	Lower	Upper
85	100		
135	0.0	52.6	79.0#



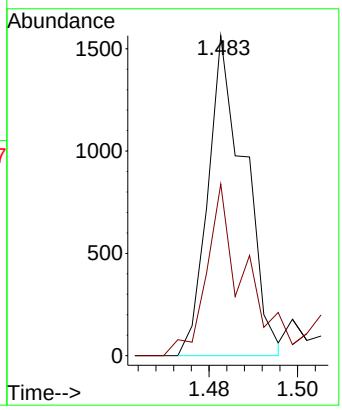


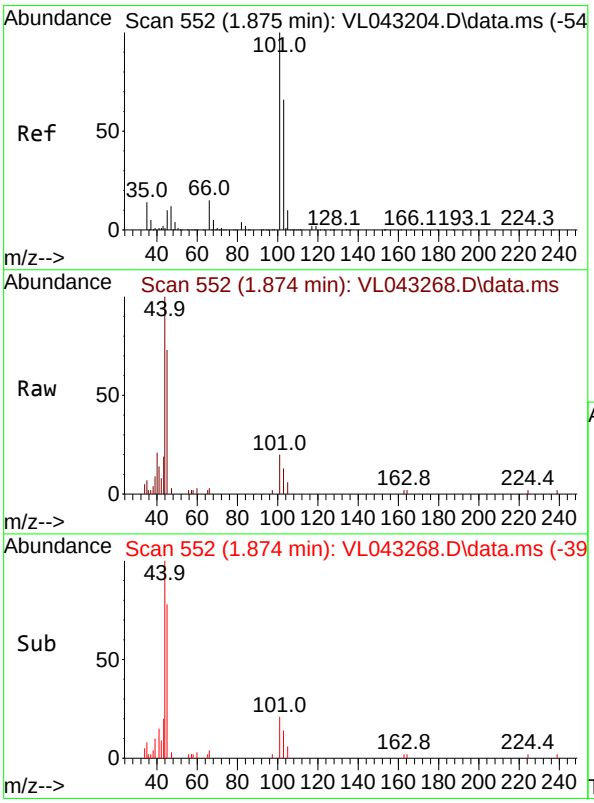
#9
Propene
Concen: 0.150 ppbv
RT: 1.483 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 41 Resp: 901

Ion	Ratio	Lower	Upper
41	100		
42	76.0	3.7	5.5#

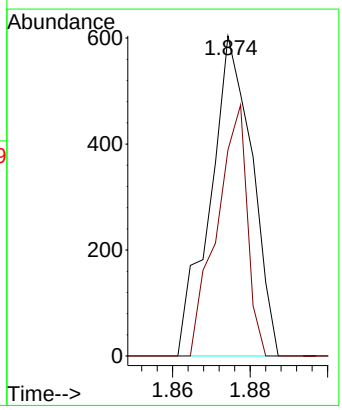


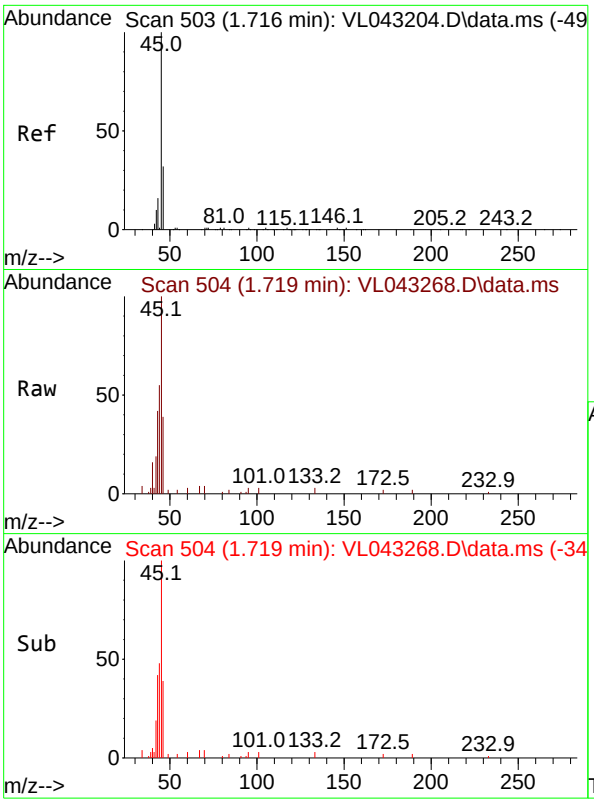


#11
Trichlorofluoromethane
Concen: 0.033 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion:101 Resp: 453

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.6	79.0



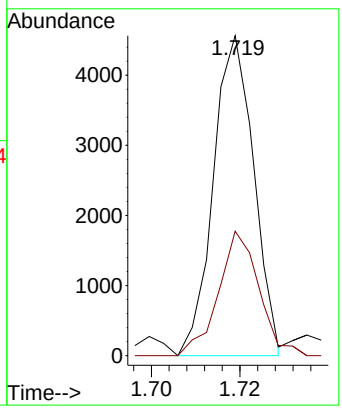


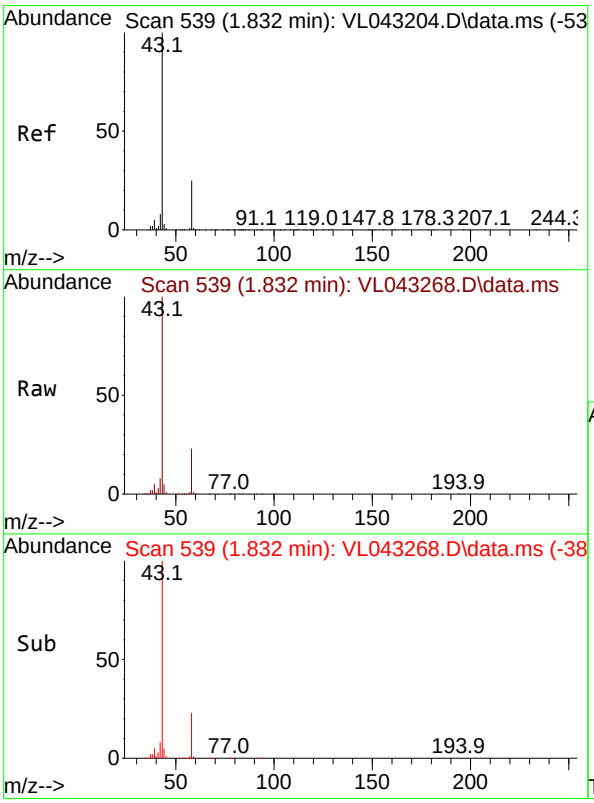
#13
Ethanol
Concen: 1.371 ppbv
RT: 1.719 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 45 Resp: 2891

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.0	59.8#

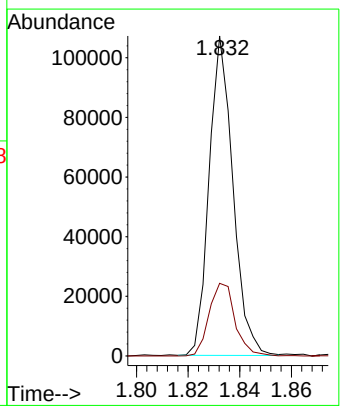


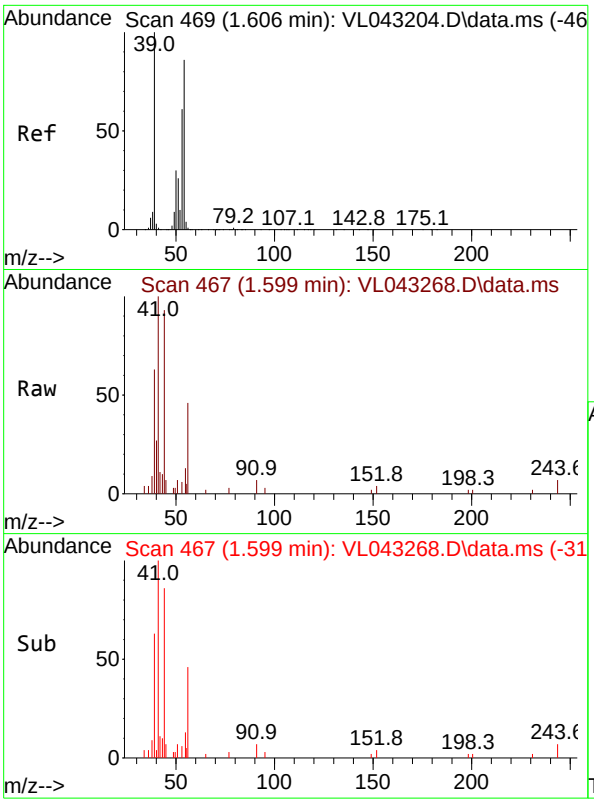


#15
Acetone
Concen: 4.847 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 43 Resp: 68558

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.7	31.1



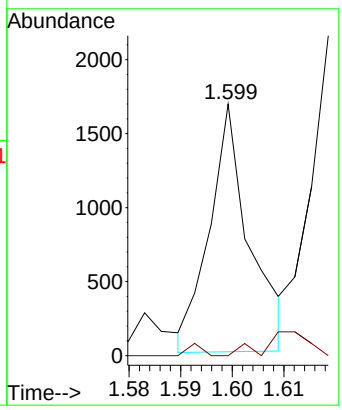


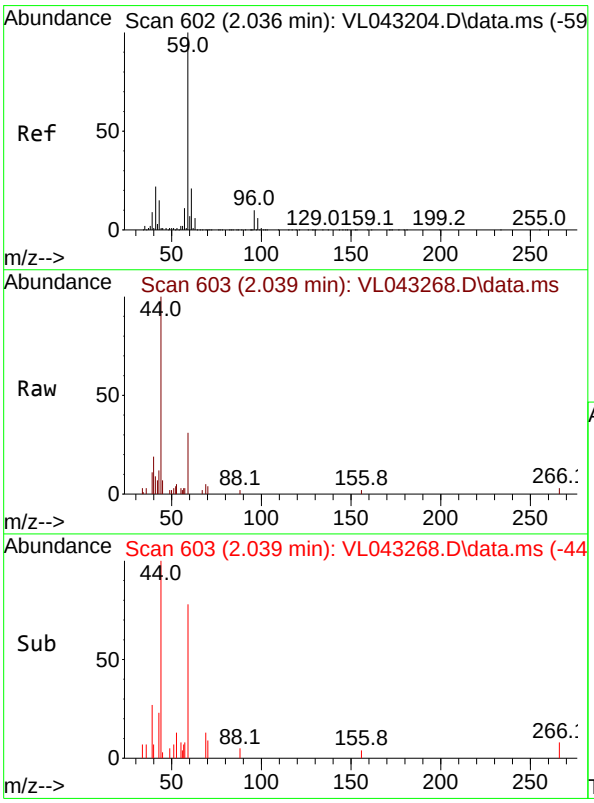
#16
1,3-Butadiene
Concen: 0.142 ppbv
RT: 1.599 min Scan# 4(
Delta R.T. -0.007 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 39 Resp: 897

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#

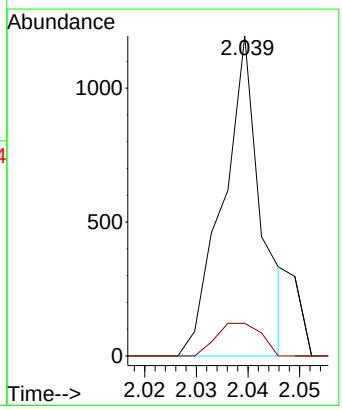


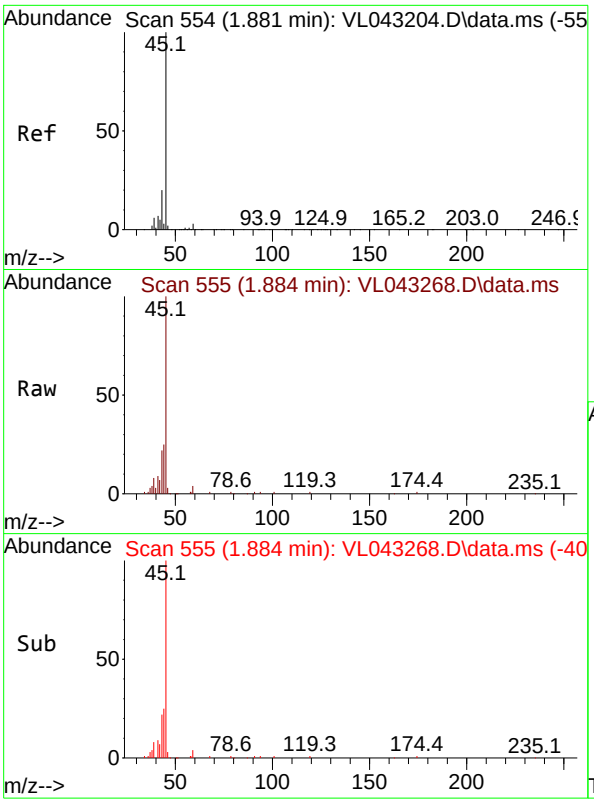


#17
tert-Butyl alcohol
Concen: 0.033 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 59 Resp: 610

Ion	Ratio	Lower	Upper
59	100		
57	12.1	9.0	13.4



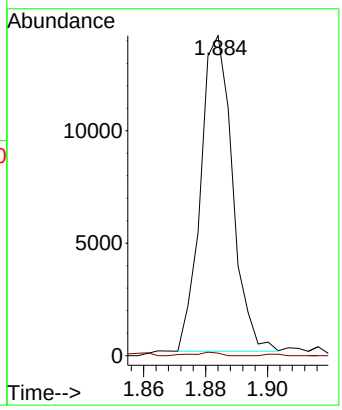


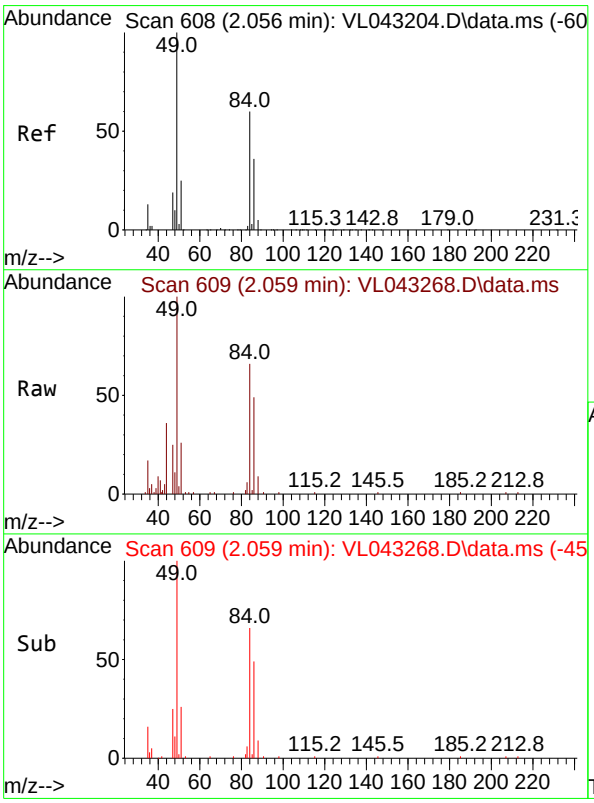
#19
Isopropyl Alcohol
Concen: 1.252 ppbv
RT: 1.884 min Scan# 5
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 45 Resp: 10003

Ion	Ratio	Lower	Upper
45	100		
58	171.2	31.3	46.9#

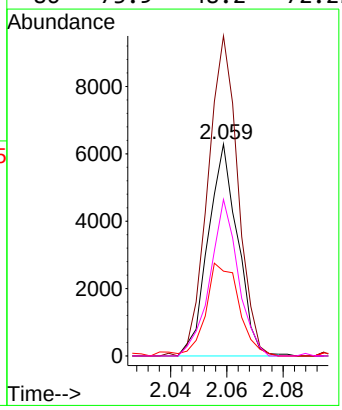


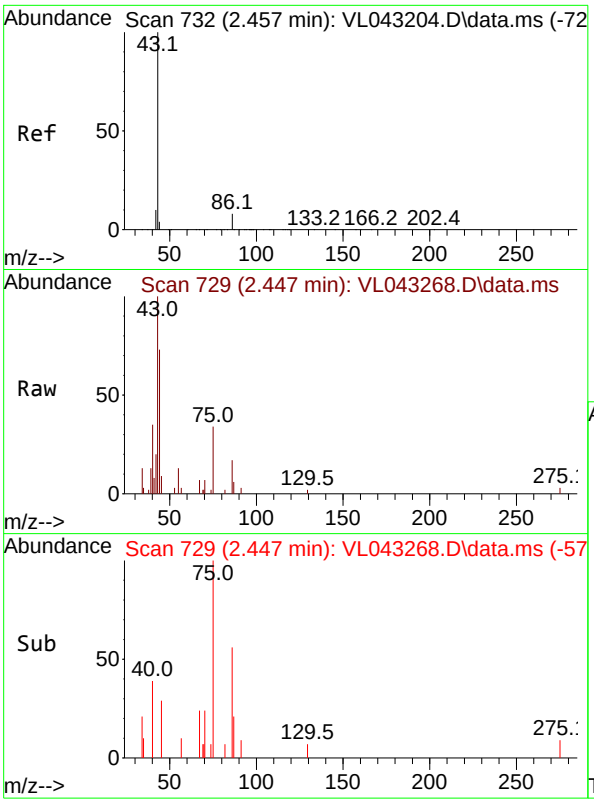


#20
Methylene Chloride
Concen: 0.343 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 84 Resp: 4589

Ion	Ratio	Lower	Upper
84	100		
49	151.0	132.9	199.3
51	40.0	34.8	52.2
86	73.9	48.2	72.2#



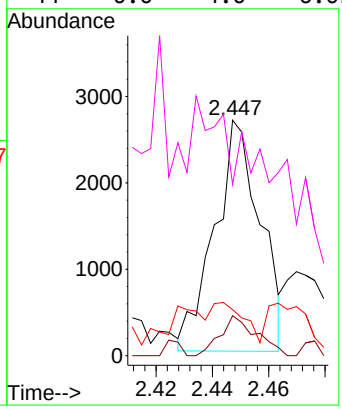


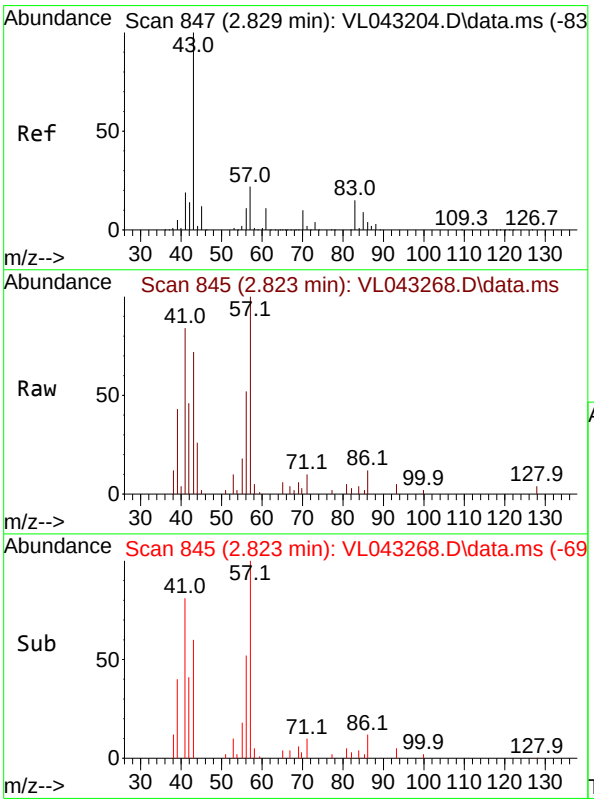
#23
Vinyl Acetate
Concen: 0.176 ppbv
RT: 2.447 min Scan# 7
Delta R.T. -0.010 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 43 Resp: 2999

Ion	Ratio	Lower	Upper
43	100		
86	14.5	6.2	9.2#
42	0.0	8.0	12.0#
44	0.0	4.0	6.0#

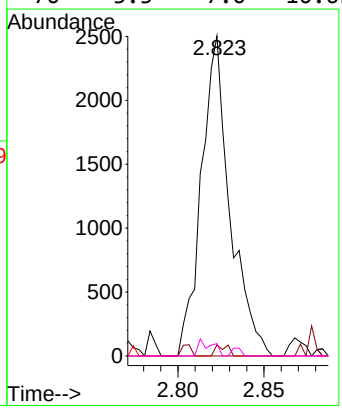


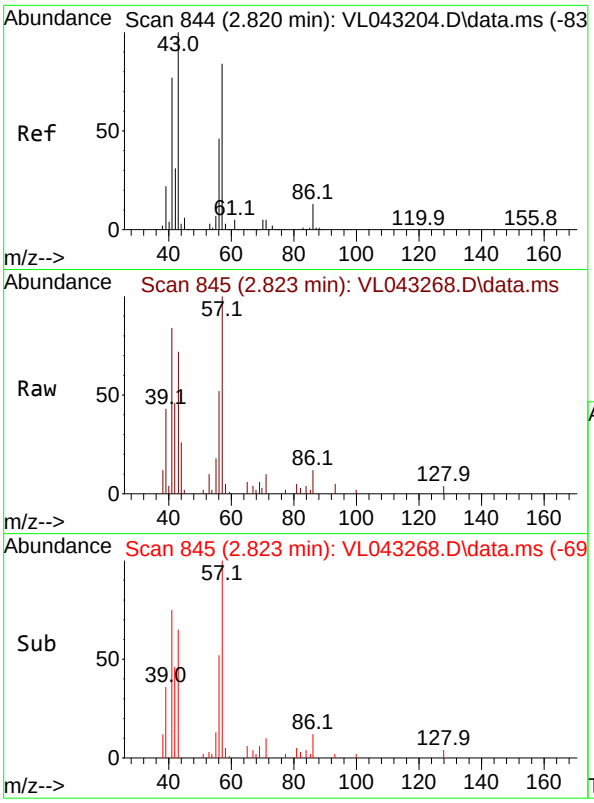


#25
Ethyl Acetate
Concen: 0.095 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 43 Resp: 2905

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.0	7.0	10.4#
70	3.3	7.0	10.6#



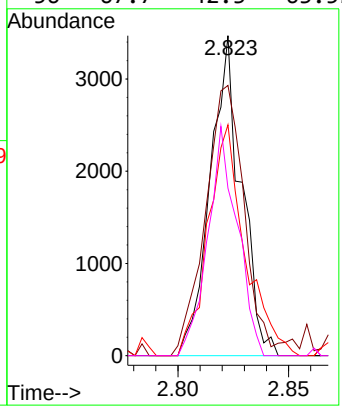


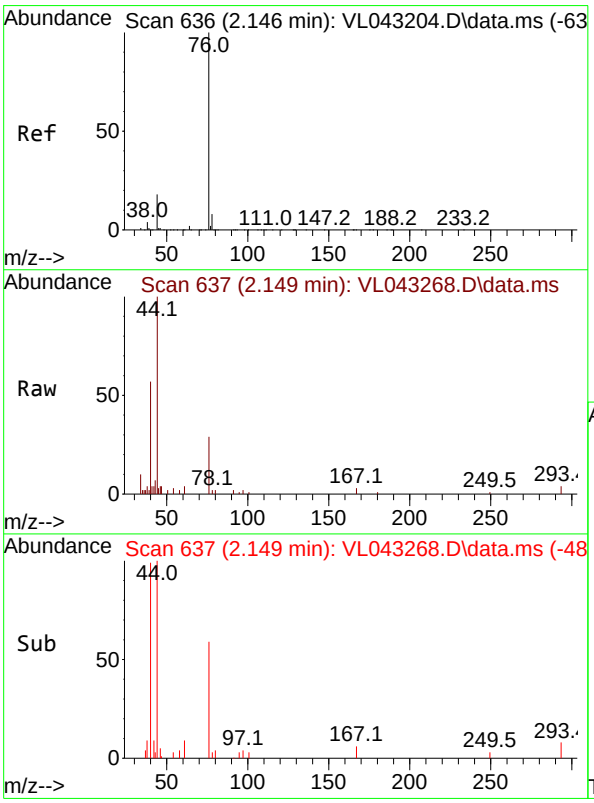
#26
Hexane
Concen: 0.254 ppbv
RT: 2.823 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 57 Resp: 3399

Ion	Ratio	Lower	Upper
57	100		
41	110.1	74.6	111.8
43	88.4	179.0	268.4#
56	67.7	42.3	63.5#

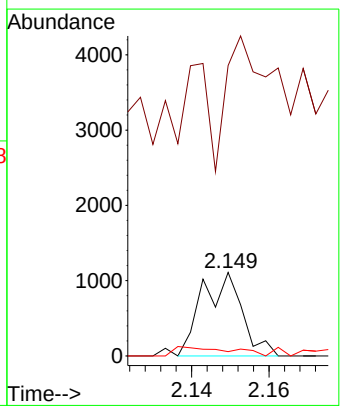


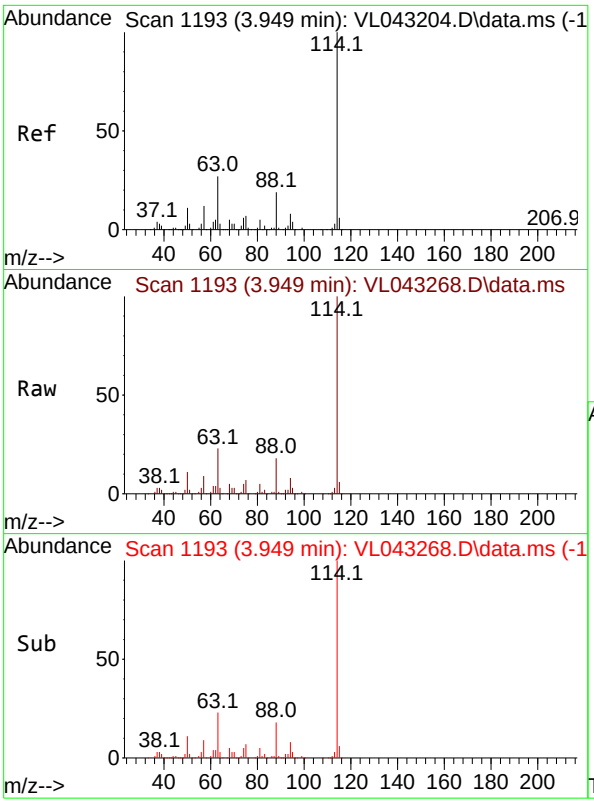


#27
Carbon Disulfide
Concen: 0.058 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.003 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 76 Resp: 796

Ion	Ratio	Lower	Upper
76	100		
44	196.2	16.1	24.1#
78	0.0	9.6	14.4#



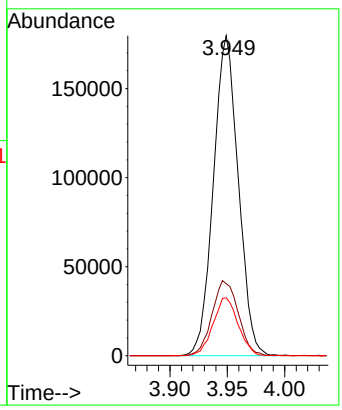


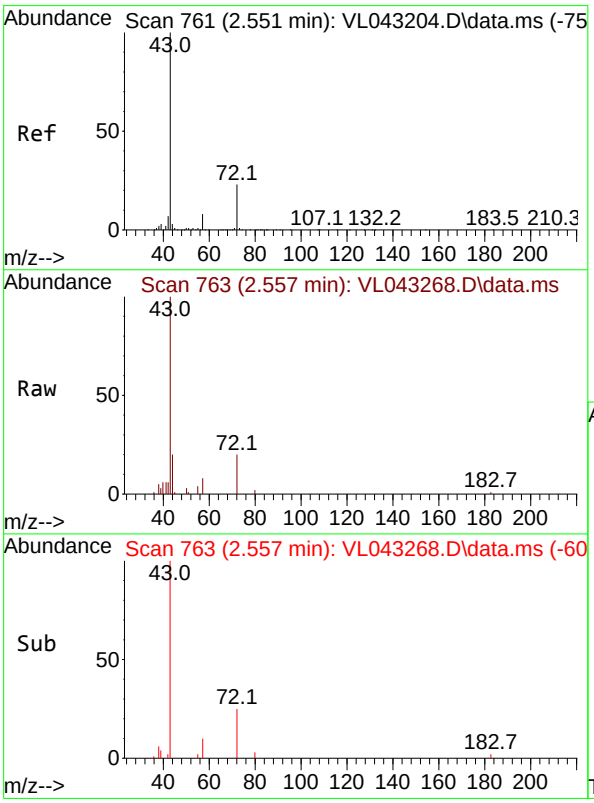
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:114 Resp: 271004

Ion	Ratio	Lower	Upper
114	100		
63	24.7	21.0	31.6
88	18.3	14.9	22.3

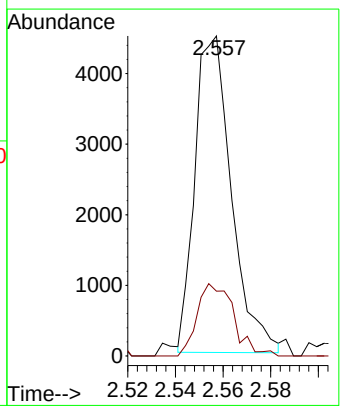


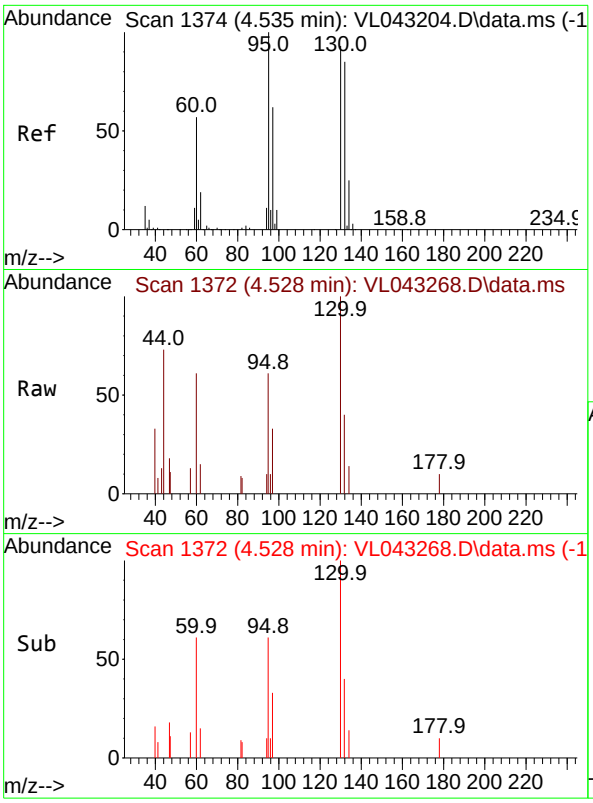


#34
2-Butanone
Concen: 0.250 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 43 Resp: 4785

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.1	27.1



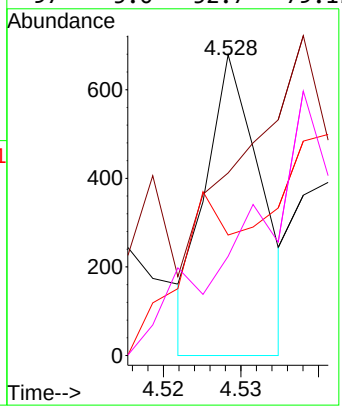


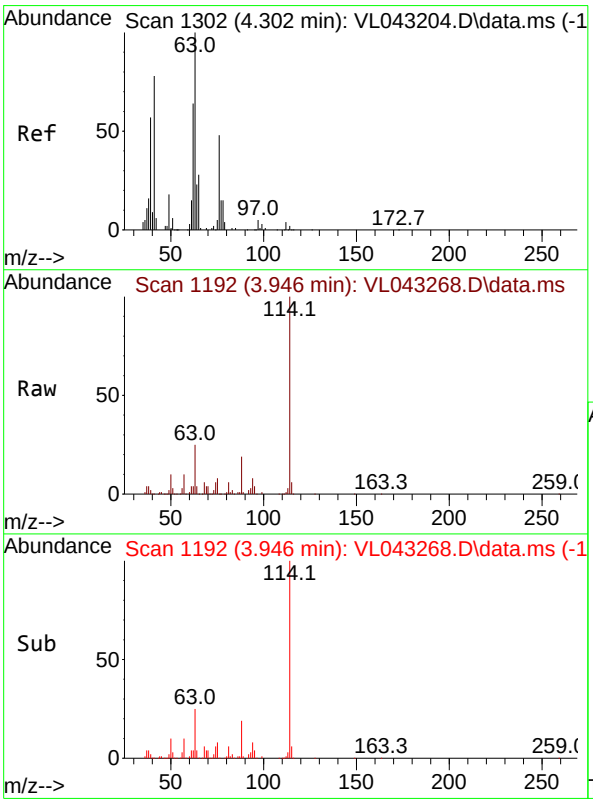
#38
Trichloroethene
Concen: 0.033 ppbv
RT: 4.528 min Scan# 1
Delta R.T. -0.007 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:130 Resp: 338

Ion	Ratio	Lower	Upper
130	100		
95	45.2	85.7	128.5#
132	23.4	73.4	110.0#
97	5.0	52.7	79.1#

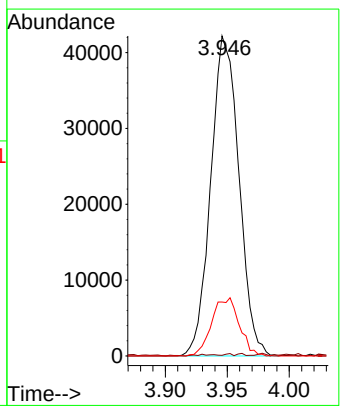


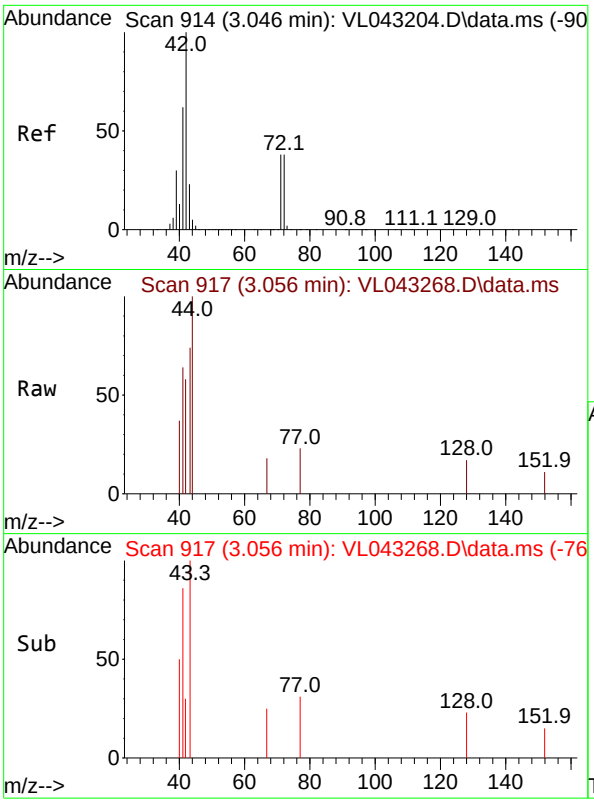


#39
1,2-Dichloropropane
Concen: 7.039 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.356 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 63 Resp: 66861

Ion	Ratio	Lower	Upper
63	100		
41	0.1	62.6	93.8#
62	16.8	51.0	76.6#



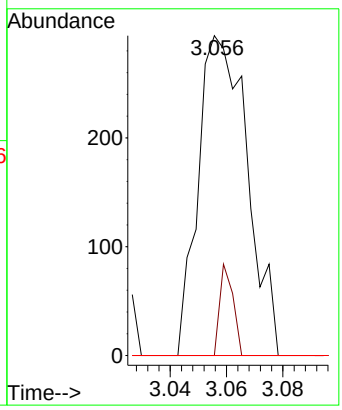


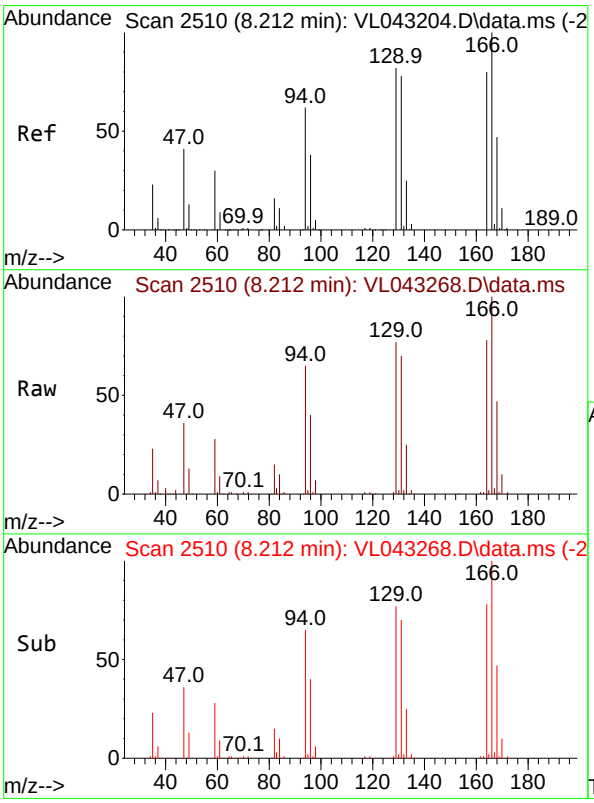
#41
Tetrahydrofuran
Concen: 0.034 ppbv
RT: 3.056 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 42 Resp: 356

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.6	46.0#
71	0.0	30.5	45.7#

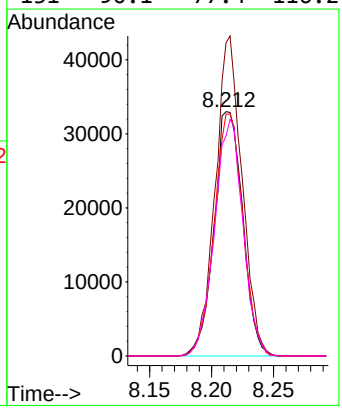


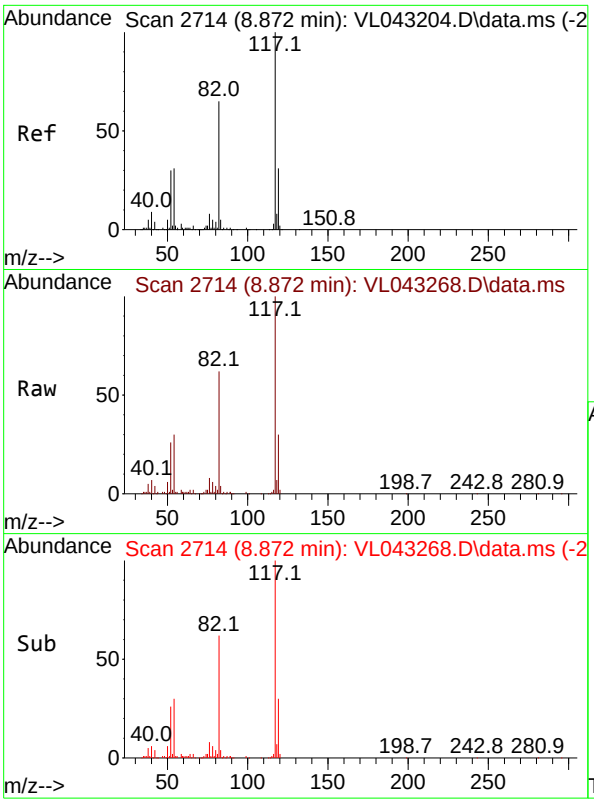


#52
Tetrachloroethene
Concen: 5.494 ppbv
RT: 8.212 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion:164 Resp: 53043

Ion	Ratio	Lower	Upper
164	100		
166	128.2	99.4	149.2
129	99.0	81.8	122.8
131	90.1	77.4	116.2



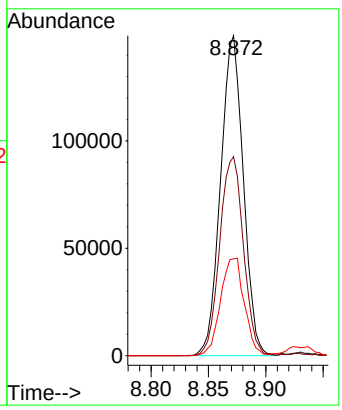


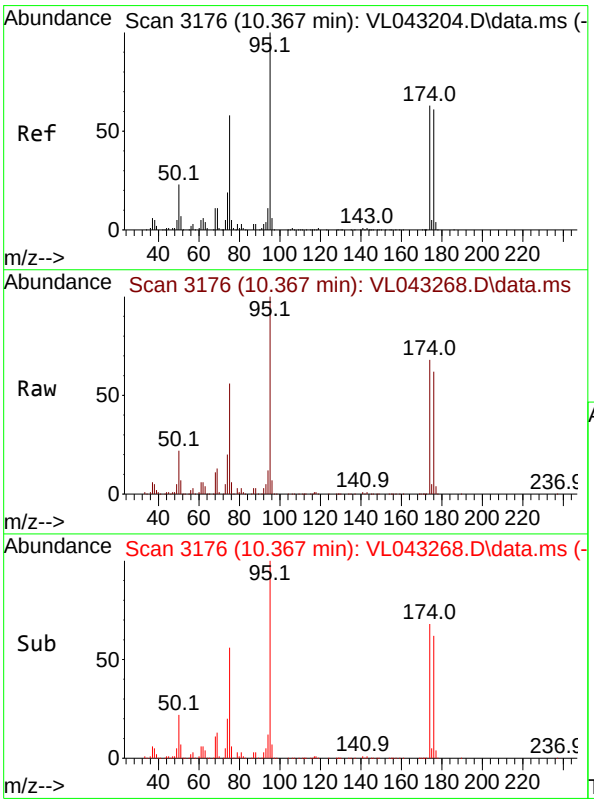
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:117 Resp: 205327

Ion	Ratio	Lower	Upper
117	100		
82	64.9	56.1	84.1
119	32.0	25.0	37.6

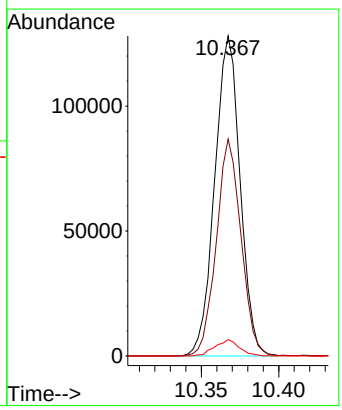




#68
1-Bromo-4-Fluorobenzene
Concen: 9.712 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043268.D
Acq: 20 Nov 2025 16:54

Tgt Ion: 95 Resp: 146175

Ion	Ratio	Lower	Upper
95	100		
174	66.0	50.2	75.2
175	4.9	4.1	6.1



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043269.D
Acq On : 20 Nov 2025 17:27
Operator : SY/MD
Sample : Q3655-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Quant Time: Nov 21 00:41:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

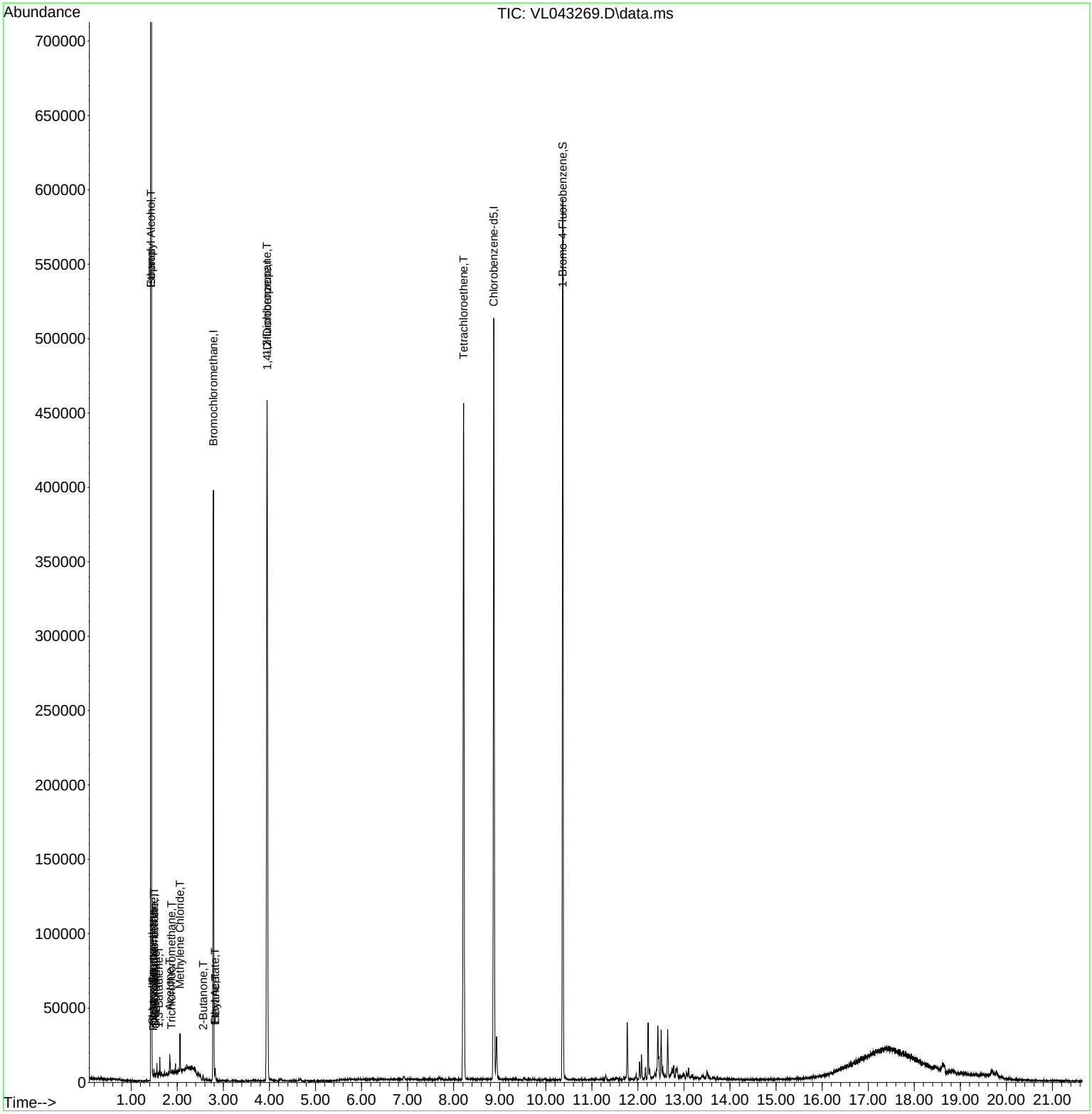
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.784	49	101941	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	262812	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	203972	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	143816	9.619	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	969	0.067	ppbv #	77
3) Chlorodifluoromethane	1.466	51	2160	0.153	ppbv #	67
4) Chloromethane	1.531	50	388	0.072	ppbv #	80
8) Dichlorotetrafluoroethane	1.499	85	969	0.081	ppbv #	17
9) Propene	1.483	41	336	0.056	ppbv #	86
11) Trichlorofluoromethane	1.874	101	439	0.032	ppbv	84
13) Ethanol	1.431	45	252943	119.799	ppbv	98
15) Acetone	1.835	43	5412	0.382	ppbv #	87
16) 1,3-Butadiene	1.599	39	309	0.049	ppbv #	12
19) Isopropyl Alcohol	1.431	45	252943	31.606	ppbv #	36
20) Methylene Chloride	2.059	84	3916	0.166	ppbv	97
25) Ethyl Acetate	2.819	43	1696	0.056	ppbv #	75
26) Hexane	2.822	57	1739	0.130	ppbv #	52
34) 2-Butanone	2.560	43	2263	0.122	ppbv	100
39) 1,2-Dichloropropane	3.949	63	65427	7.103	ppbv #	24
52) Tetrachloroethene	8.215	164	77443	8.272	ppbv	98

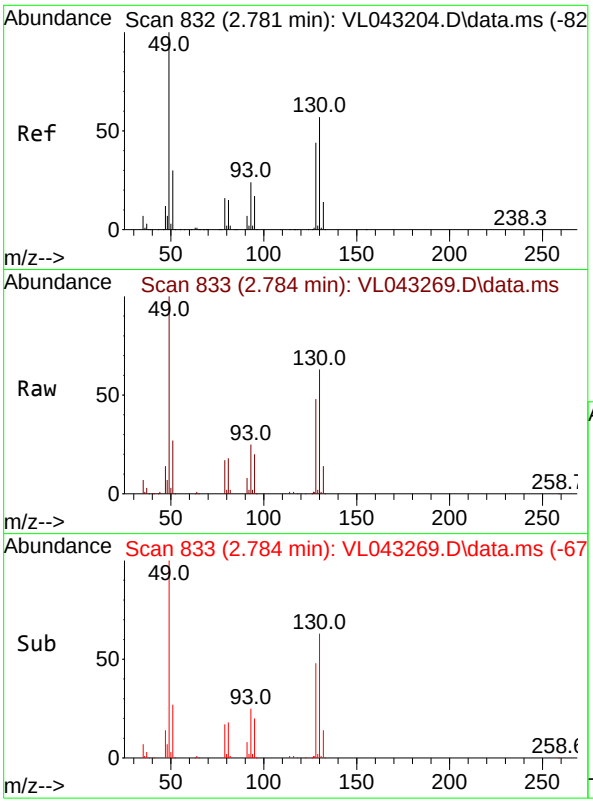
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
Data File : VL043269.D
Acq On : 20 Nov 2025 17:27
Operator : SY/MD
Sample : Q3655-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Quant Time: Nov 21 00:41:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration



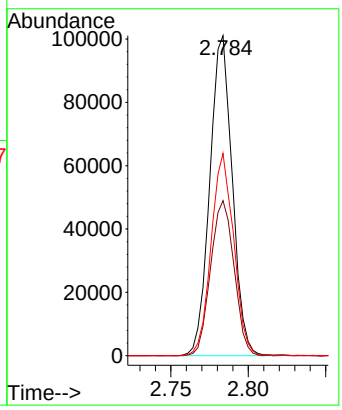


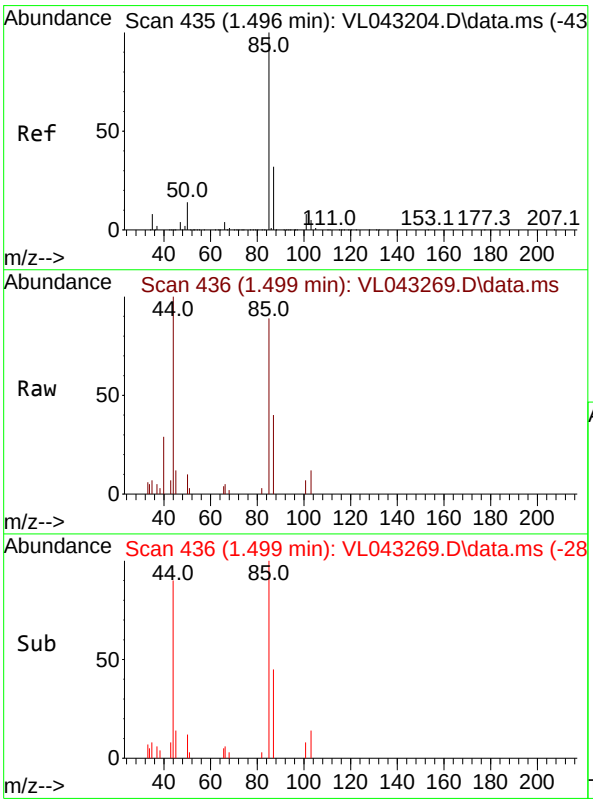
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 49 Resp: 101941

Ion	Ratio	Lower	Upper
49	100		
128	50.5	23.0	69.0
130	63.4	29.9	89.7

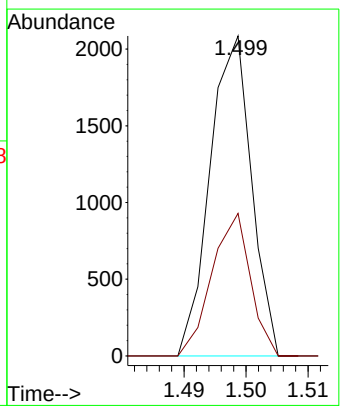


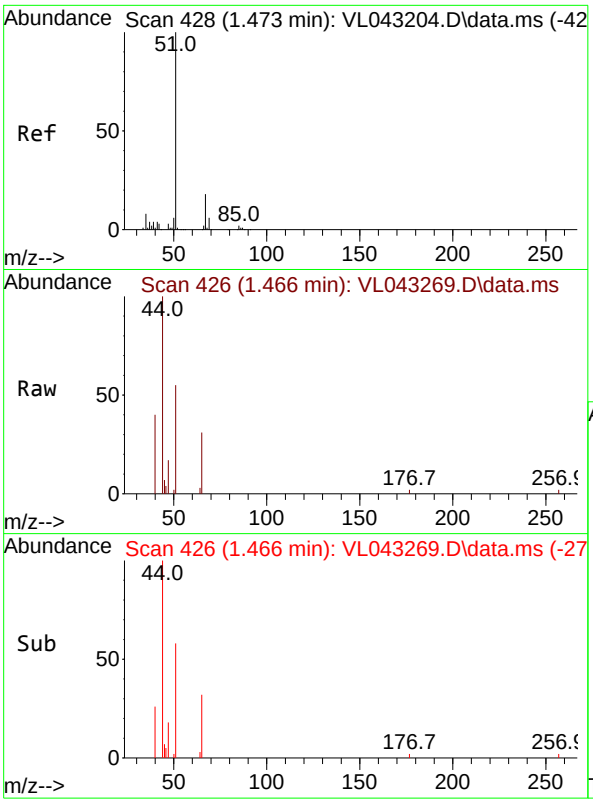


#2
Dichlorodifluoromethane
Concen: 0.067 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 85 Resp: 969

Ion	Ratio	Lower	Upper
85	100		
87	44.5	25.4	38.2#



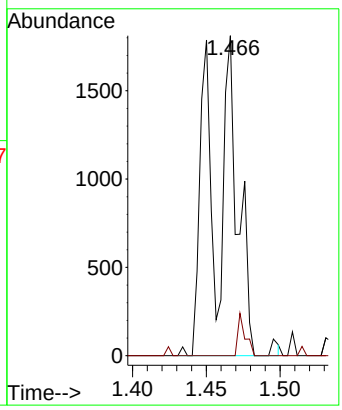


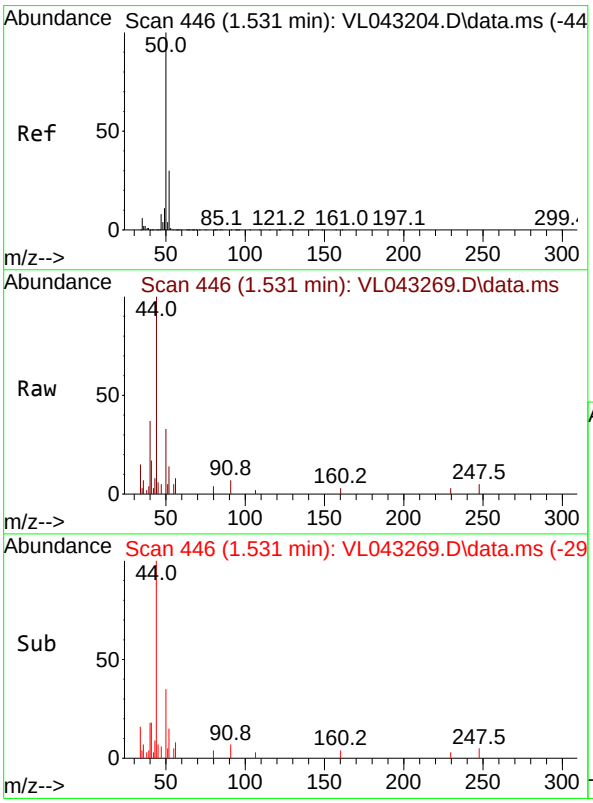
#3
Chlorodifluoromethane
Concen: 0.153 ppbv
RT: 1.466 min Scan# 4
Delta R.T. -0.007 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 51 Resp: 2160

Ion	Ratio	Lower	Upper
51	100		
67	3.8	14.9	22.3#

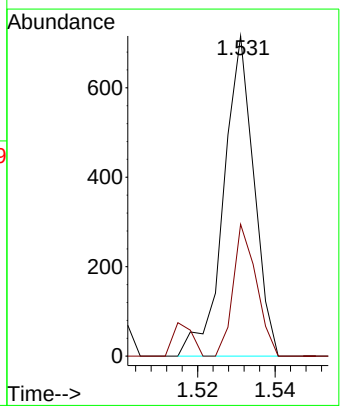


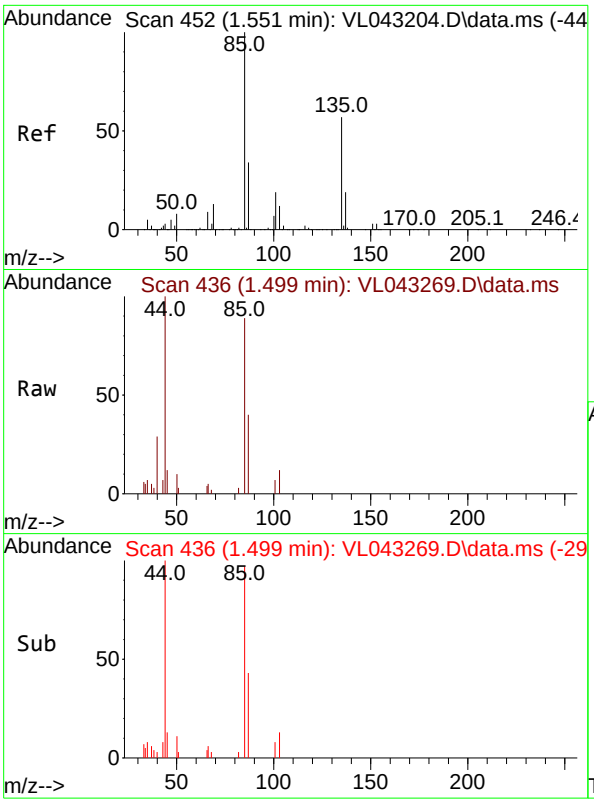


#4
Chloromethane
Concen: 0.072 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 50 Resp: 388

Ion	Ratio	Lower	Upper
50	100		
52	41.2	24.1	36.1#



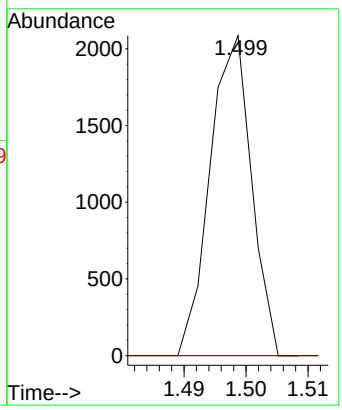


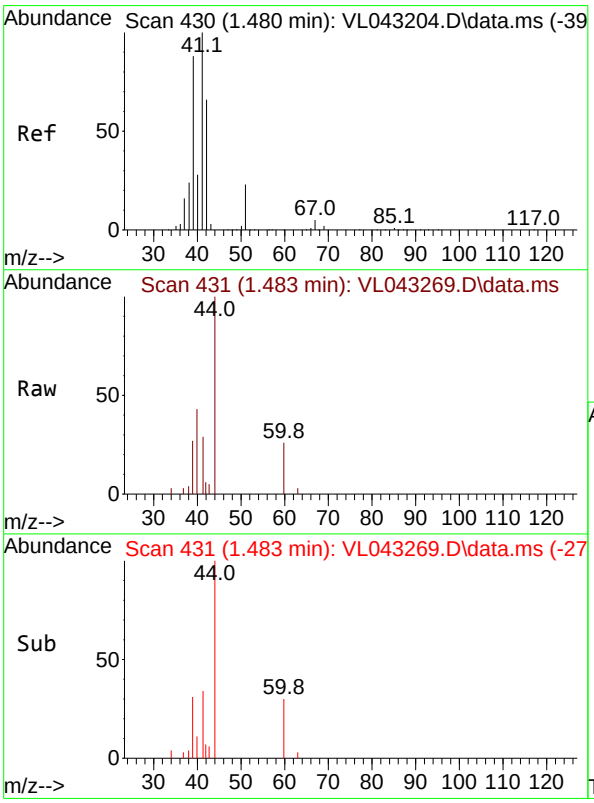
#8
Dichlorotetrafluoroethane
Concen: 0.081 ppbv
RT: 1.499 min Scan# 4
Delta R.T. -0.052 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 85 Resp: 969

Ion	Ratio	Lower	Upper
85	100		
135	0.0	52.6	79.0#

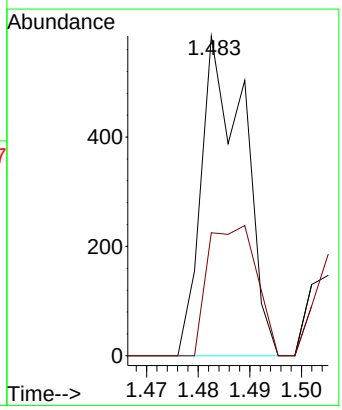


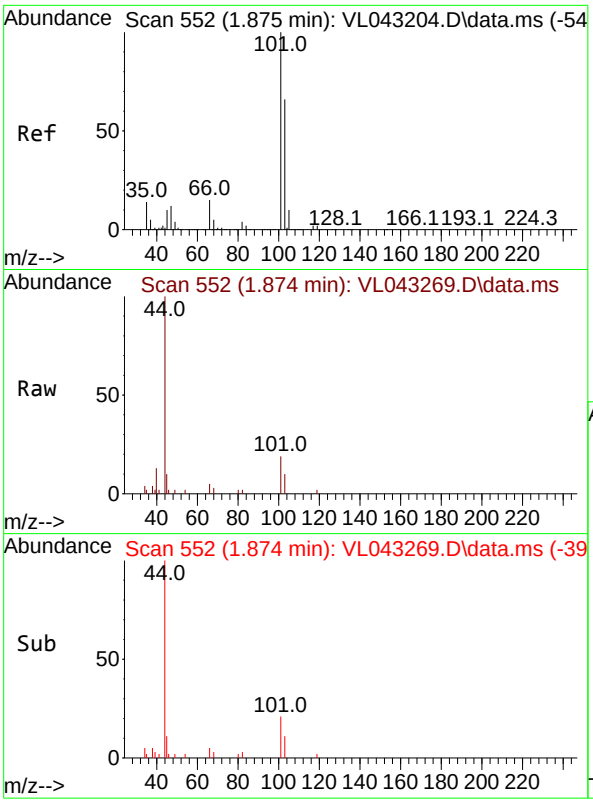


#9
Propene
Concen: 0.056 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 41 Resp: 336

Ion	Ratio	Lower	Upper
41	100		
42	0.0	3.7	5.5#



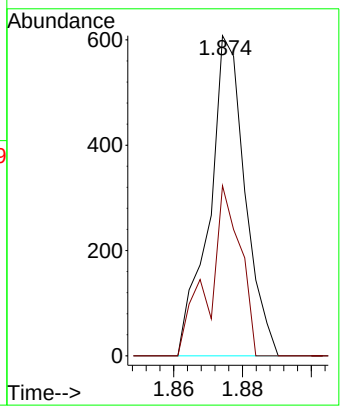


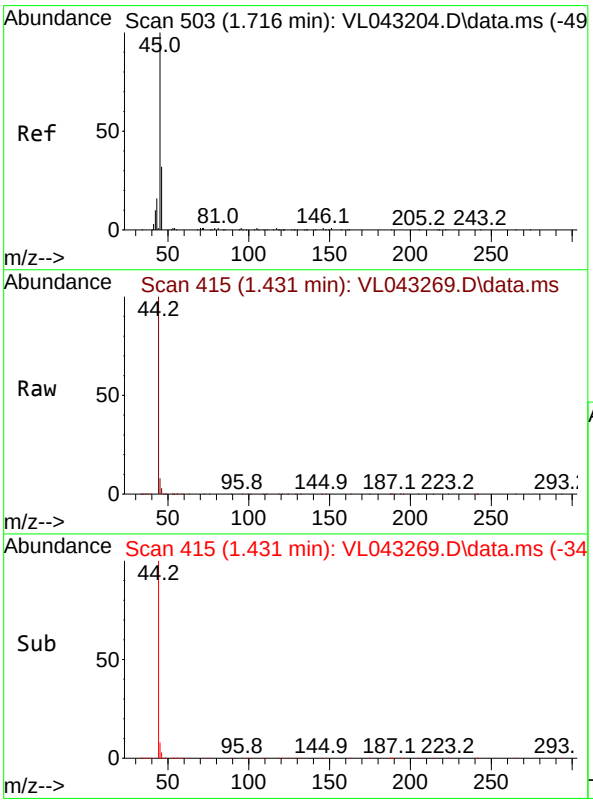
#11
Trichlorofluoromethane
Concen: 0.032 ppbv
RT: 1.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion:101 Resp: 439

Ion	Ratio	Lower	Upper
101	100		
103	53.1	52.6	79.0

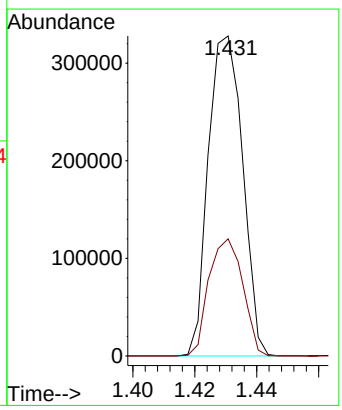


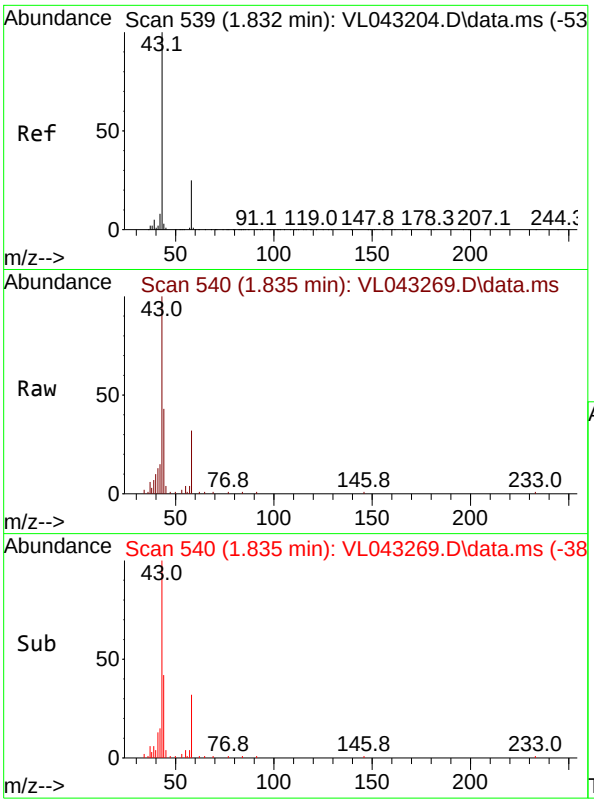


#13
Ethanol
Concen: 119.799 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.285 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 45 Resp: 252943

Ion	Ratio	Lower	Upper
45	100		
46	36.2	15.0	59.8



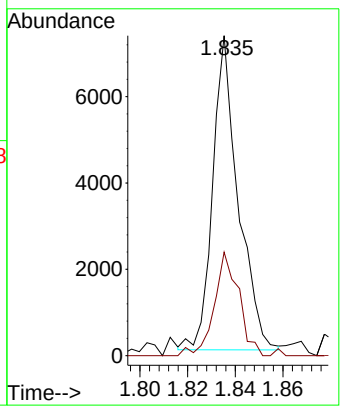


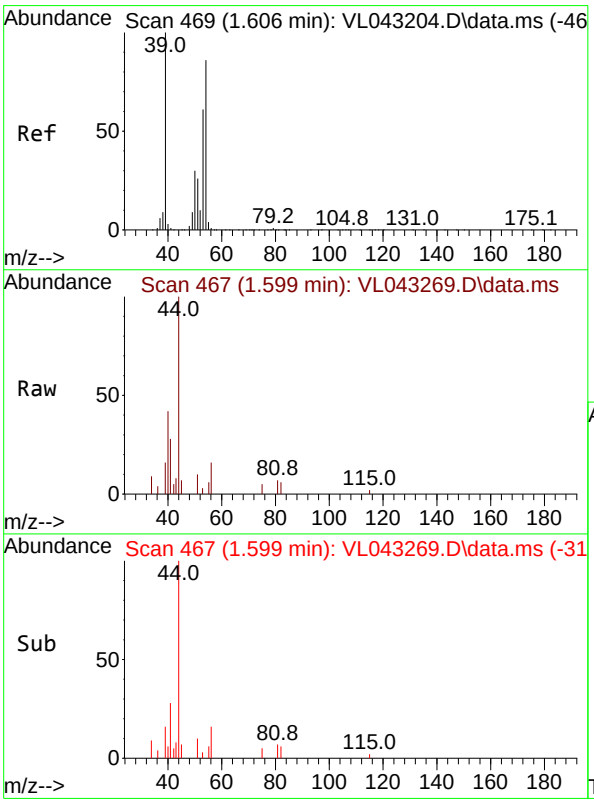
#15
Acetone
Concen: 0.382 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 43 Resp: 5412

Ion	Ratio	Lower	Upper
43	100		
58	32.3	20.7	31.1#

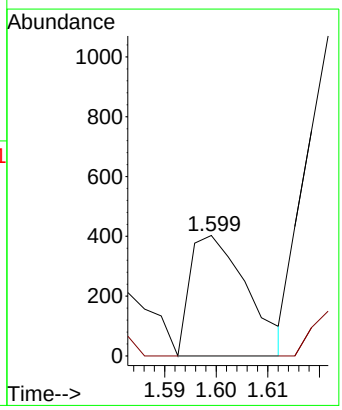


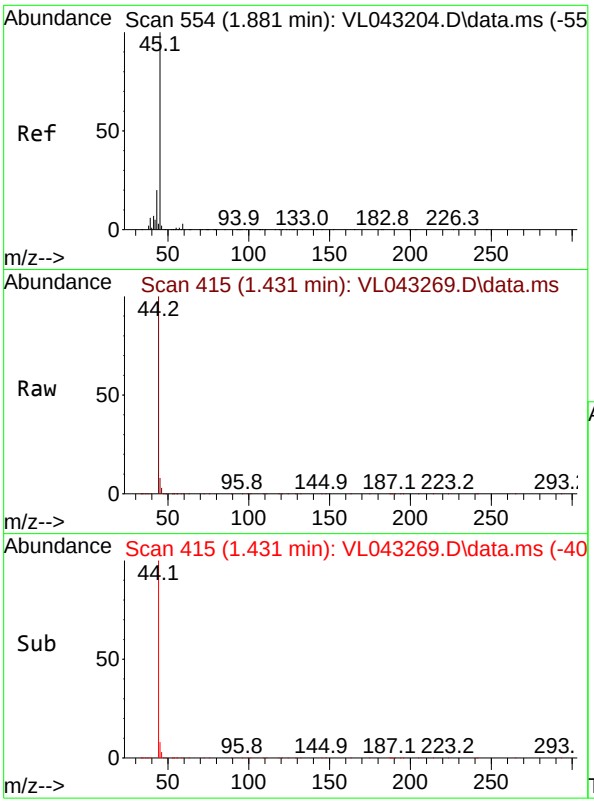


#16
1,3-Butadiene
Concen: 0.049 ppbv
RT: 1.599 min Scan# 467
Delta R.T. -0.007 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 39 Resp: 309

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.4	89.2#



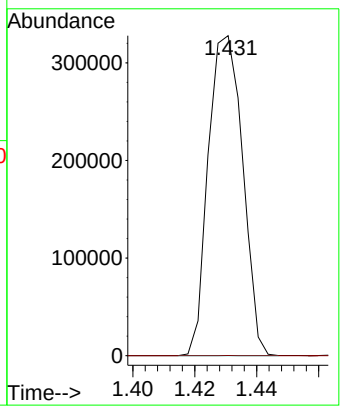


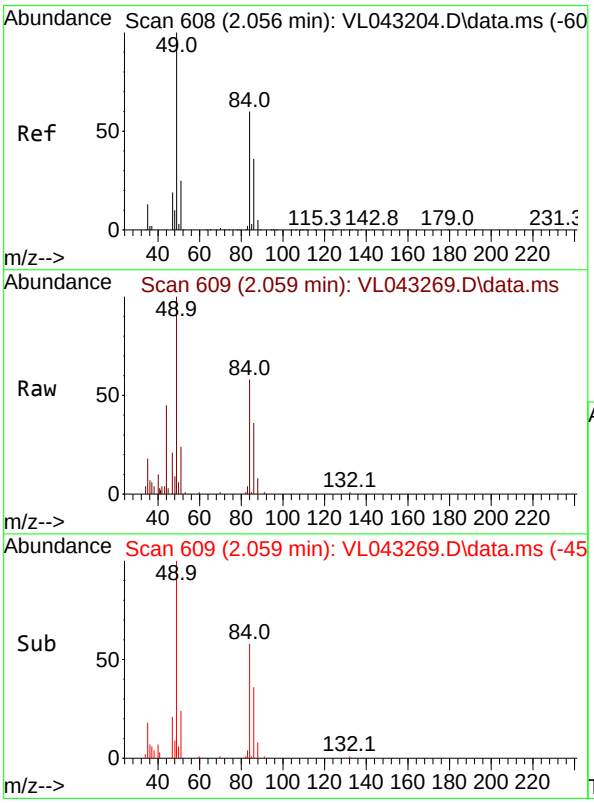
#19
Isopropyl Alcohol
Concen: 31.606 ppbv
RT: 1.431 min Scan# 4
Delta R.T. -0.450 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 45 Resp: 252943

Ion	Ratio	Lower	Upper
45	100		
58	0.2	31.3	46.9#

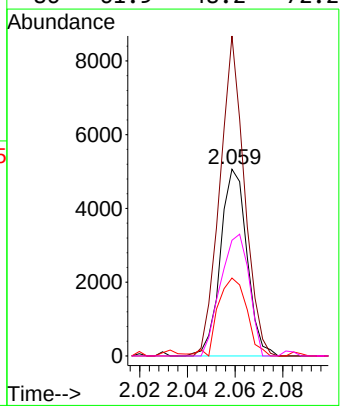


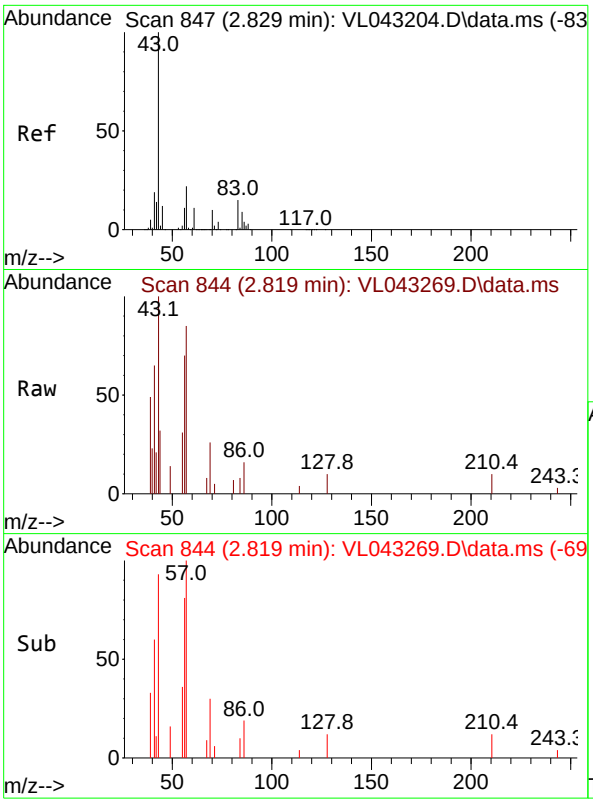


#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 84 Resp: 3916

Ion	Ratio	Lower	Upper
84	100		
49	171.4	132.9	199.3
51	41.7	34.8	52.2
86	61.9	48.2	72.2



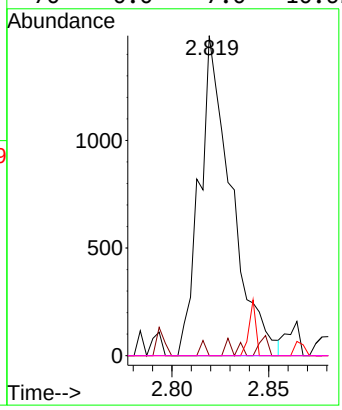


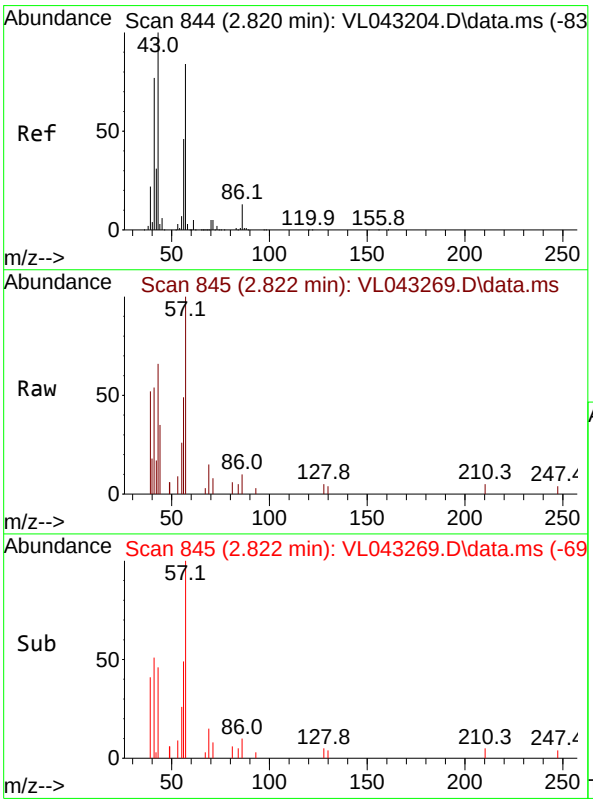
#25
Ethyl Acetate
Concen: 0.056 ppbv
RT: 2.819 min Scan# 84
Delta R.T. -0.010 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 43 Resp: 1696

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.0	7.0	10.4#
70	0.0	7.0	10.6#

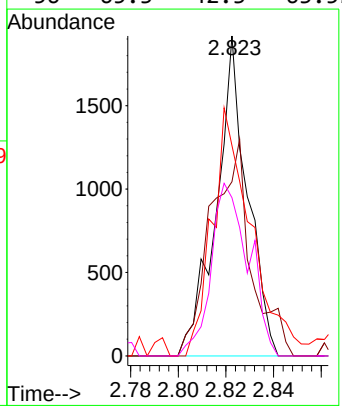


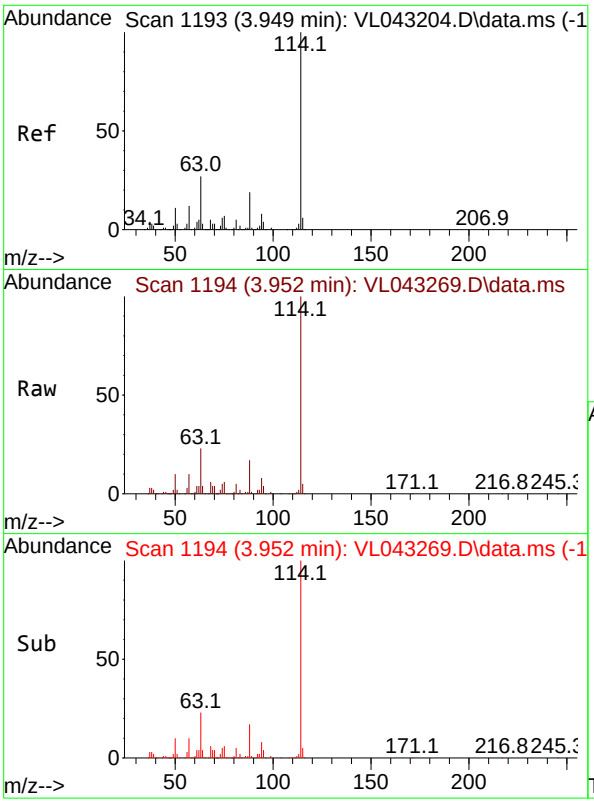


#26
Hexane
Concen: 0.130 ppbv
RT: 2.822 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 57 Resp: 1739

Ion	Ratio	Lower	Upper
57	100		
41	87.6	74.6	111.8
43	106.2	179.0	268.4#
56	65.3	42.3	63.5#



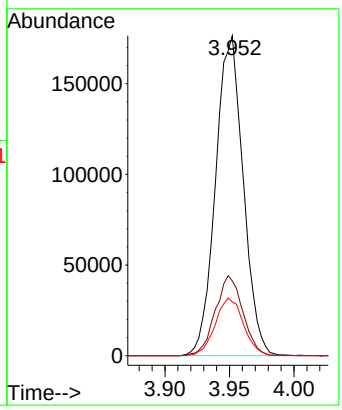


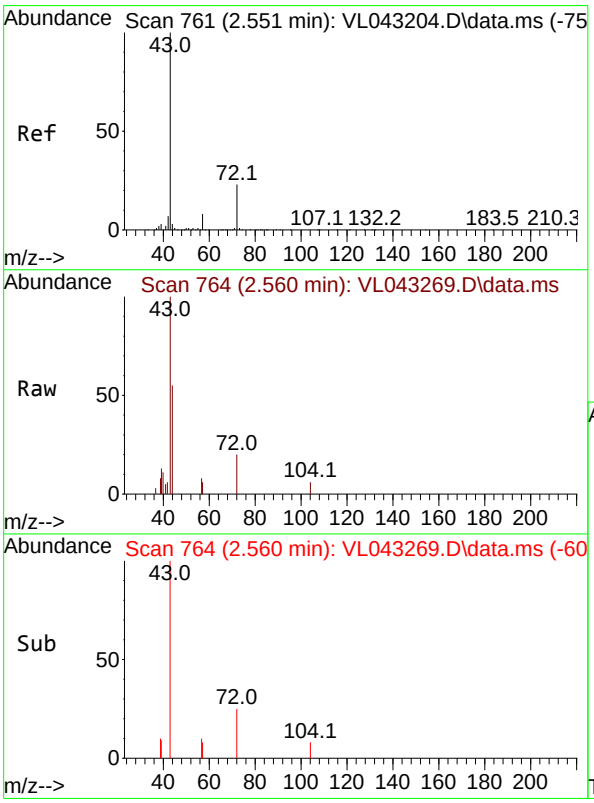
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion:114 Resp: 262812

Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.0	31.6
88	18.4	14.9	22.3

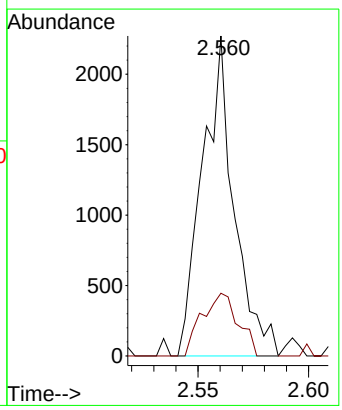


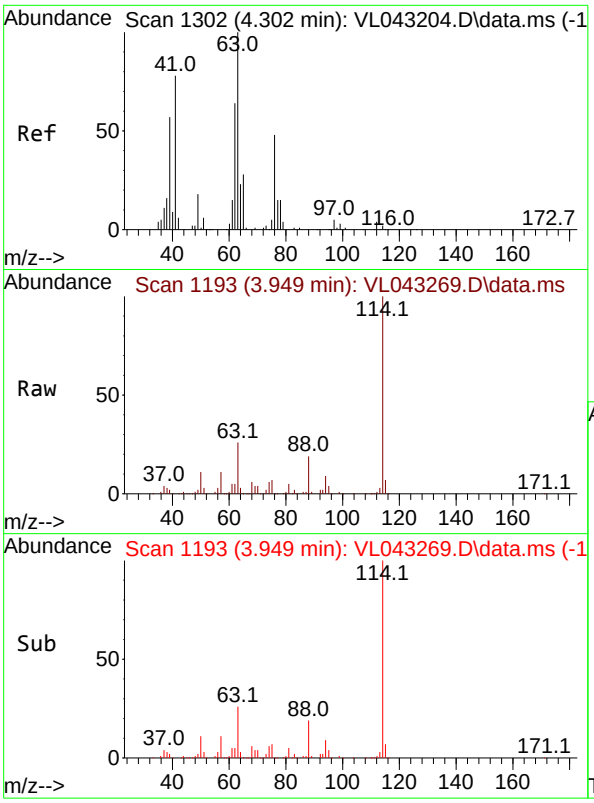


#34
2-Butanone
Concen: 0.122 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.009 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 43 Resp: 2263

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1



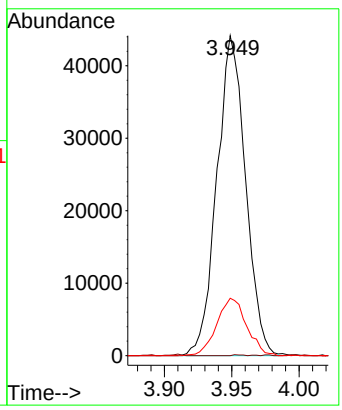


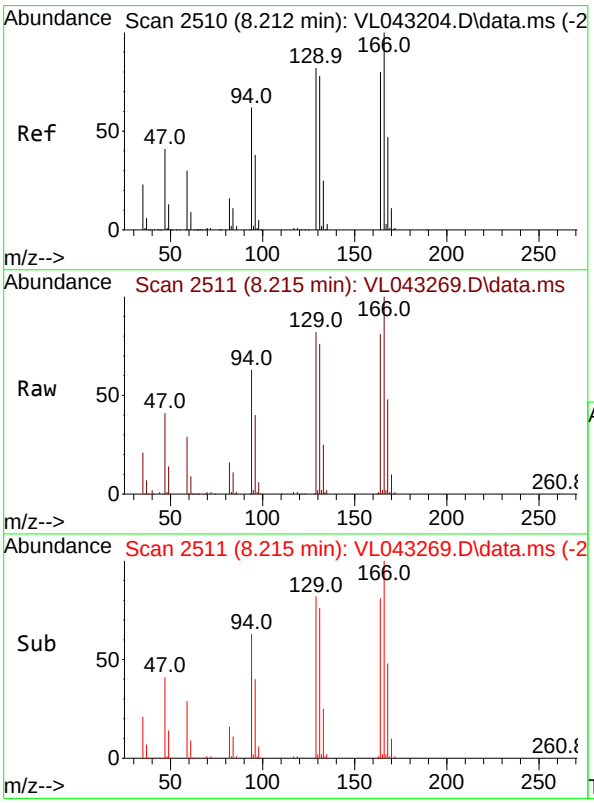
#39
1,2-Dichloropropane
Concen: 7.103 ppbv
RT: 3.949 min Scan# 1
Delta R.T. -0.353 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion: 63 Resp: 65427

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	93.8#
62	17.9	51.0	76.6#

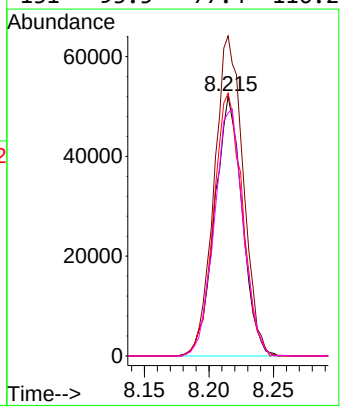


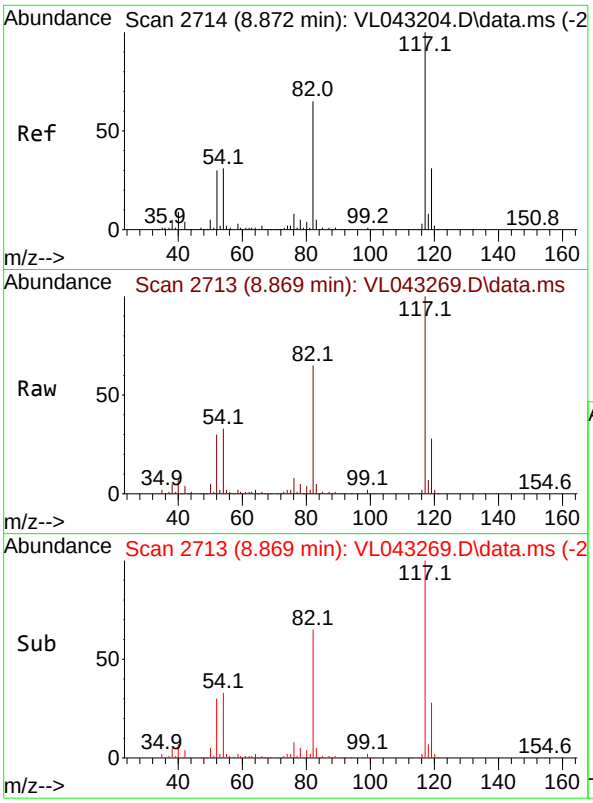


#52
Tetrachloroethene
Concen: 8.272 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion:164 Resp: 77443

Ion	Ratio	Lower	Upper
164	100		
166	123.1	99.4	149.2
129	101.1	81.8	122.8
131	93.5	77.4	116.2



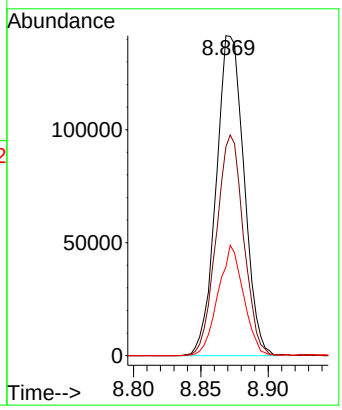


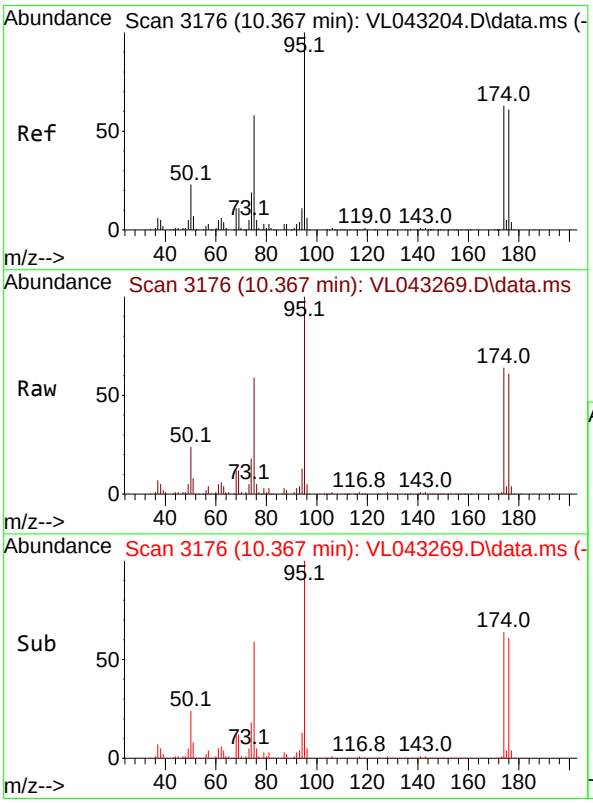
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2
Delta R.T. -0.004 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Tgt Ion:117 Resp: 203972

Ion	Ratio	Lower	Upper
117	100		
82	67.6	56.1	84.1
119	31.8	25.0	37.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.619 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VL043269.D
Acq: 20 Nov 2025 17:27

Tgt Ion: 95 Resp: 143816

Ion	Ratio	Lower	Upper
95	100		
174	66.1	50.2	75.2
175	4.9	4.1	6.1

