

Cover Page

Order ID : Q1037

Project ID : 63 Richards Street Dover, NJ

Client : All American Environmental, LLC

Lab Sample Number

Q1037-01
Q1037-02
Q1037-03

Client Sample Number

INDOOR
GARAGE
AMBIENT AIR

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: 1/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



SHIPPING DOCUMENTS

Client Contact Information				Bottle Order ID : B2501001				Courier :				1 of 3 COCs										
Client ID : ALLA01 Project ID : 63 Richards Street Dover, NJ				Sampler Name(s) :				Analysis				Matrix										
Customer Name : All American Environmental, LLC Address : 136 Edison Road City : Lake Hopatcong State : NJ Zip Code : 07849 Country :				Project Manager : GABRIELLE BENVENUTO-S				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified														
				Phone Number : 973-663-1680																		
				Fax Number : 973-663-1702																		
				Site Details:																		
				Analysis Turnaround Time				Data Package Type :														
				Standard : 10 business days OR				EDD Type :														
Rush (Specify): Days																						
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/Ambient Air	Soil Gas		
indoor	1/17/25 1/18/25	9:45am 9:30am	9:30am 30	-7.0	68°	68°	-30	-9.2		10552	10282	6 L	4.16	VL041545.D	✓			✓				
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]												
		Ambient	Maximum	Minimum																		
Start																						
Stop																						
Pressure (Inches of Hg)										*** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.												
		Ambient	Maximum	Minimum																		
Start																						
Stop																						
Special Instructions/QC Requirements & Comments :																						
Suspected Contamination: High Medium Low PID Readings:																						
Sampling site (State):																						
Quick Connector required : NO																						
Canisters Shipped by: Sam				Date/Time: 01/03/25				Canisters Received by: [Signature]				Date/Time: 1-8-25 1045				B2501001 - 1						
Samples Relinquished by:				Date/Time:				Received by:				Date/Time:										
Relinquished by:				Date/Time:				Received by:				Date/Time:										

Client Contact Information				Bottle Order ID : B2501001				Courier :				<u>2</u> of <u>3</u> COCs									
Client ID : ALLA01 Project ID : 63 Richards Street Dover, NJ				Sampler Name(s) :				Analysis				Matrix									
Customer Name : All American Environmental, LLC Address : 136 Edison Road City : Lake Hopatcong State : NJ Zip Code : 07849 Country :				Project Manager : GABRIELLE BENVENUTO-S				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified				Indoor Ambient Air Soil Gas									
				Phone Number : 973-663-1680																	
				Fax Number : 973-663-1702																	
				Site Details:																	
				Analysis Turnaround Time				Data Package Type :													
				Standard : 10 business days OR				EDD Type :													
Rush (Specify): Days																					
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						
garage	1/7/25 1/8/25	9:52	9:33	-30	-10	68°	68°	-30	-3.9	10206	10306	6 L	4.16	VL041545.D	✓						
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) [Signature]											
		Ambient		Maximum		Minimum															
Start																					
Stop																					
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.											
		Ambient		Maximum		Minimum															
Start																					
Stop																					
Special Instructions/QC Requirements & Comments :																					
Suspected Contamination: High Medium Low PID Readings:																					
Sampling site (State):																					
Quick Connector required : <u>NO</u>																					
Canisters Shipped by: <u>SAM</u>				Date/Time: <u>01/03/25</u>				Canisters Received by: <u>CR</u>				Date/Time: <u>1-8-25 1045</u>				B2501001 - 2					
Samples Relinquished by:				Date/Time:				Received by:				Date/Time:									
Relinquished by:				Date/Time:				Received by:				Date/Time:									



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

CHEMTECH Project No. :

Q1037

Client Contact Information				Bottle Order ID : B2501001				Courier :				<u>3</u> of <u>3</u> COCs								
Client ID : ALLA01 Project ID : 63 Richards Street Dover, NJ				Sampler Name(s) :				Analysis				Matrix								
Customer Name : All American Environmental, LLC Address : 136 Edison Road City : Lake Hopatcong State : NJ Zip Code : 07849 Country :				Project Manager : GABRIELLE BENVENUTO-S				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified												
				Phone Number : 973-663-1680																
				Fax Number : 973-663-1702																
				Site Details:																
				Analysis Turnaround Time																
Standard : 10 business days OR				Data Package Type :																
Rush (Specify): Days				EDD Type :																
Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID		Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambient Air	Soil Gas
Ambient Air	11/1/25 1/8/25	9:55	9:24	30	-5			-30	-5.1	10713	10588	6 L	4.16	VL041545.D	✓				✓	
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 										
		Ambient	Maximum	Minimum																
Start		31°	27°	14°																
Stop		20°	22°	16°																
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. Please follow the instructions on the back of this COC.										
		Ambient	Maximum	Minimum																
Start																				
Stop																				
Special Instructions/QC Requirements & Comments :																				
Suspected Contamination:				High				Medium				Low				PID Readings:				
Sampling site (State):																				
Quick Connector required : NO																				
Canisters Shipped by: Sam				Date/Time: 01/03/25				Canisters Received by: OR				Date/Time: 1-8-25 1045				B2501001 - 3				
Samples Relinquished by:				Date/Time:				Received by:				Date/Time:								
Relinquished by:				Date/Time:				Received by:				Date/Time:								



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

Laboratory Certification

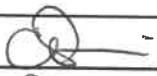
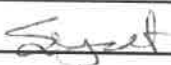
Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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: <u>Chemtech</u>		Location: <u>284 Sheffield Street, Mountainside, NJ 7092</u>	
NASD: _____		Title: <u>Sample Custodian</u>	
Field Sample Seal No. <u>Q1037</u>		Date Broken <u>1/8/2025</u>	
Case No.: <u>63 Richards Street Dover</u>		Military Time Seal Broken: <u>10:45:00</u>	
		Analytical Parameter/Fraction <u>TO-15</u>	

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1037-01	INDOOR		
Q1037-02	GARAGE		
Q1037-03	AMBIENT AIR		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
1-8-25	13:45	Signature 	Signature 	
		Printed Name <u>Cassanova, Lena</u>	Printed Name <u>Cassanova, Lena</u>	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	
		Signature	Signature	
		Printed Name	Printed Name	

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

Pink - Sample Custodian - Interim Copy

AIR SAMPLE PRESSURE & DILUTION LOGBOOK

Analyst Signature:

Supervisor Signature:

METHOD: TO-15

Pressure Gauge ID:

[illegible]

CHEMTECH

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

Client Sample ID #: garage

Client Name: ARI American Environmental

Project Name: 63 Richards St

Date: 1/18/25 Time: _____

Analysis: TO-15

Comments

Storage Location: M11

Sample: Q1037-02

Cust #: GARAGE

Disposal: _____

B2501001

CHEMTECH

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

Client Sample ID #: INDOOR

Client Name: ARI American Environmental

Project Name: 63 Richards St

Date: 1/18/25 Time: _____

Analysis: TO-15

Comments:

Storage Location: M11

Sample: Q1037-01

Cust #: INDOOR

Disposal: _____

B2501001

CHEMTECH

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

Client Sample ID #: Ambient Air

Client Name: ARI American Environmental

Project Name: 63 Richards St

Date: 1/18/25 Time: _____

Analysis: TO-15

Comments:

Storage Location: M11

Sample: Q1037-03

Cust #: AMBIENT AIR

Disposal: _____

10016528

88501



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

CASE NARRATIVE

All American Environmental, LLC

Project Name: 63 Richards Street Dover, NJ

Project # N/A

Chemtech Project # Q1037

Test Name: TO-15

A. Number of Samples and Date of Receipt:

3 Air samples were received on 01/08/2025.

B. Parameters

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

C. Analytical Techniques:

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

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {Q1037-03DUP} with File ID: VL041875.D met criteria except for 2-Butanone[200%] due to difference in results of Original and DUP.

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Tuning criteria met requirements.

E. Additional Comments:

The Samples #INDOOR,GARAGE, AMBIENT AIR have the concentration of some target compounds below Method detection limits, therefore it is not reported as Hit in Form1.

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

The not QT review data is reported in the Miscellaneous.

The Manual Integrations are performed for the followings.

Manual Integration Report			
Sequence	VL010925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

VSTDICCC010	VL041859.D	Ethanol			MMDADOD A	1/10/2025 7:22:34 AM	SAM	1/10/2025 7:26:21 AM	Peak Integrated by Software incorrectly
VSTDICCC010	VL041859.D	m/p-Xylene			MMDADOD A	1/10/2025 7:22:34 AM	SAM	1/10/2025 7:26:21 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL041860.D	1,1,2-Trichloroethane			MMDADOD A	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL041860.D	1,2-Dichloropropane			MMDADOD A	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL041860.D	Ethanol			MMDADOD A	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL041860.D	m/p-Xylene			MMDADOD A	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL041860.D	Methyl Methacrylate			MMDADOD A	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software incorrectly
VSTDICCC001	VL041861.D	1,4-Dioxane			MMDADOD A	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by

							Software incorrectl y
VSTDICC001	VL041861. D	2-Hexanone	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL041861. D	4-Methyl-2- Pentanone	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL041861. D	cis-1,3- Dichloropropene	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL041861. D	Dibromochloromethan e	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL041861. D	Ethanol	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL041861. D	m/p-Xylene	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL041861. D	t-1,3-Dichloropropene	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL041861. D	trans-1,2- Dichloroethene	MMDADOD A	1/10/202 5 7:22:30 AM	SA M	1/10/202 5 7:26:36 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL041862. D	1,1,2-Trichloroethane	MMDADOD A	1/10/202 5 7:22:28 AM	SA M	1/10/202 5 7:26:38 AM	Peak Integrate d by Software incorrectl

							y
VSTDIC0.5	VL041862.D	1,2-Dichloropropane	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	1,4-Dioxane	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	2,2,4-Trimethylpentane	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	4-Methyl-2-Pentanone	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	Cyclohexane	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	Ethanol	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	Heptane	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	m/p-Xylene	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	Methyl Methacrylate	MMDADOD A	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL041862.D	Trichloroethene	MMDADOD	1/10/202	SA	1/10/202	Peak

	D		A	5 7:22:28 AM	M	5 7:26:38 AM	Integrate d by Software incorrectl y
VSTDICC0.5	VL041862. D	Vinyl Acetate	MMDADOD A	1/10/202 5 7:22:28 AM	SA M	1/10/202 5 7:26:38 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.1	VL041863. D	1,1,1-Trichloroethane	MMDADOD A	1/10/202 5 7:22:26 AM	SA M	1/10/202 5 7:26:40 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.1	VL041863. D	1,2-Dibromoethane	MMDADOD A	1/10/202 5 7:22:26 AM	SA M	1/10/202 5 7:26:40 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.1	VL041863. D	Carbon Tetrachloride	MMDADOD A	1/10/202 5 7:22:26 AM	SA M	1/10/202 5 7:26:40 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.1	VL041863. D	Tetrachloroethene	MMDADOD A	1/10/202 5 7:22:26 AM	SA M	1/10/202 5 7:26:40 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.1	VL041863. D	Trichloroethene	MMDADOD A	1/10/202 5 7:22:26 AM	SA M	1/10/202 5 7:26:40 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.0 3	VL041864. D	1,1,1-Trichloroethane	MMDADOD A	1/10/202 5 7:22:24 AM	SA M	1/10/202 5 7:26:42 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.0 3	VL041864. D	Carbon Tetrachloride	MMDADOD A	1/10/202 5 7:22:24 AM	SA M	1/10/202 5 7:26:42 AM	Peak Integrate d by Software incorrectl y
VSTDICC0.0 3	VL041864. D	Trichloroethene	MMDADOD A	1/10/202 5 7:22:24 AM	SA M	1/10/202 5 7:26:42 AM	Peak Integrate d by

							Software incorrectl y
VSTDIC015	VL041865. D	Ethanol	MMDADOD A	1/10/202 5 7:22:22 AM	SA M	1/10/202 5 7:26:44 AM	Peak Integrate d by Software incorrectl y
VSTDIC015	VL041865. D	m/p-Xylene	MMDADOD A	1/10/202 5 7:22:22 AM	SA M	1/10/202 5 7:26:44 AM	Peak Integrate d by Software incorrectl y
VSTDICV010	VL041866. D	Ethanol	MMDADOD A	1/10/202 5 7:22:20 AM	SA M	1/10/202 5 7:26:46 AM	Peak Integrate d by Software incorrectl y
VSTDICV010	VL041866. D	m/p-Xylene	MMDADOD A	1/10/202 5 7:22:20 AM	SA M	1/10/202 5 7:26:46 AM	Peak Integrate d by Software incorrectl y
VL0109ABS0 1	VL041870. D	m/p-Xylene	MMDADOD A	1/10/202 5 7:22:18 AM	SA M	1/10/202 5 7:26:48 AM	Peak Integrate d by Software incorrectl y
VL0109ABS0 1	VL041870. D	Trichloroethene	MMDADOD A	1/10/202 5 7:22:18 AM	SA M	1/10/202 5 7:26:48 AM	Peak Integrate d by Software incorrectl y
Q1037-01	VL041872. D	Carbon Tetrachloride	MMDADOD A	1/10/202 5 7:22:16 AM	SA M	1/10/202 5 7:26:51 AM	Peak Integrate d by Software incorrectl y
Q1037-01	VL041872. D	Cyclohexane	MMDADOD A	1/10/202 5 7:22:16 AM	SA M	1/10/202 5 7:26:51 AM	Peak Integrate d by Software incorrectl y
Q1037-01	VL041872. D	m/p-Xylene	MMDADOD A	1/10/202 5 7:22:16 AM	SA M	1/10/202 5 7:26:51 AM	Peak Integrate d by Software incorrectl

							y
Q1037-01	VL041872.D	Propene	MMDADOD A	1/10/2025 7:22:16 AM	SAM	1/10/2025 7:26:51 AM	Peak Integrated by Software incorrectly
Q1037-01	VL041872.D	Toluene	MMDADOD A	1/10/2025 7:22:16 AM	SAM	1/10/2025 7:26:51 AM	Peak Integrated by Software incorrectly
Q1037-02	VL041873.D	Benzene	MMDADOD A	1/10/2025 7:22:14 AM	SAM	1/10/2025 7:26:53 AM	Peak Integrated by Software incorrectly
Q1037-02	VL041873.D	Carbon Tetrachloride	MMDADOD A	1/10/2025 7:22:14 AM	SAM	1/10/2025 7:26:53 AM	Peak Integrated by Software incorrectly
Q1037-02	VL041873.D	Propene	MMDADOD A	1/10/2025 7:22:14 AM	SAM	1/10/2025 7:26:53 AM	Peak Integrated by Software incorrectly
Q1037-03	VL041874.D	Carbon Tetrachloride	MMDADOD A	1/10/2025 7:22:11 AM	SAM	1/10/2025 7:26:55 AM	Peak Integrated by Software incorrectly
Q1037-03	VL041874.D	Propene	MMDADOD A	1/10/2025 7:22:11 AM	SAM	1/10/2025 7:26:55 AM	Peak Integrated by Software incorrectly

F. Manual Integration Comments:

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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

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_____

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1037

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 Custody

✓

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: 01/13/2025

LAB CHRONICLE

OrderID:	Q1037	OrderDate:	1/8/2025 1:16:00 PM
Client:	All American Environmental, LLC	Project:	63 Richards Street Dover, NJ
Contact:	Gabrielle Benvenuto-Smith	Location:	Air Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1037-01	INDOOR	Air	TO-15	TO-15	01/08/25		01/09/25	01/08/25
Q1037-02	GARAGE	Air	TO-15	TO-15	01/08/25		01/09/25	01/08/25
Q1037-03	AMBIENT AIR	Air	TO-15	TO-15	01/08/25		01/09/25	01/08/25

Hit Summary Sheet SW-846

SDG No.: Q1037

Client: All American Environmental, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: INDOOR								
Q1037-01	INDOOR	Air	Dichlorodifluoromethane	1.93	J	1.04	2.47	ug/m3
Q1037-01	INDOOR	Air	Chloromethane	0.95	J	0.21	1.03	ug/m3
Q1037-01	INDOOR	Air	Trichlorofluoromethane	1.35	J	0.90	2.81	ug/m3
Q1037-01	INDOOR	Air	Acetone	8.79		0.57	1.19	ug/m3
Q1037-01	INDOOR	Air	Methylene Chloride	1.35	J	0.66	1.74	ug/m3
Q1037-01	INDOOR	Air	2-Butanone	0.47	J	0.35	1.47	ug/m3
Q1037-01	INDOOR	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3
Q1037-01	INDOOR	Air	Benzene	0.73	J	0.29	1.60	ug/m3
Q1037-01	INDOOR	Air	Toluene	1.06	J	0.41	1.88	ug/m3
Q1037-01	INDOOR	Air	Hexane	1.76		0.39	1.76	ug/m3
Total Voc :				18.8				
Total Concentration:				18.8				
Client ID: GARAGE								
Q1037-02	GARAGE	Air	Dichlorodifluoromethane	2.18	J	1.04	2.47	ug/m3
Q1037-02	GARAGE	Air	Chloromethane	1.01	J	0.21	1.03	ug/m3
Q1037-02	GARAGE	Air	Trichlorofluoromethane	1.46	J	0.90	2.81	ug/m3
Q1037-02	GARAGE	Air	Acetone	8.31		0.57	1.19	ug/m3
Q1037-02	GARAGE	Air	Methylene Chloride	1.74		0.66	1.74	ug/m3
Q1037-02	GARAGE	Air	2-Butanone	0.56	J	0.35	1.47	ug/m3
Q1037-02	GARAGE	Air	Carbon Tetrachloride	0.50		0.060	0.19	ug/m3
Q1037-02	GARAGE	Air	Benzene	0.73	J	0.29	1.60	ug/m3
Q1037-02	GARAGE	Air	Toluene	1.06	J	0.41	1.88	ug/m3
Q1037-02	GARAGE	Air	1,2,4-Trimethylbenzene	0.54	J	0.39	2.46	ug/m3
Q1037-02	GARAGE	Air	Hexane	1.20	J	0.39	1.76	ug/m3
Total Voc :				19.3				
Total Concentration:				19.3				
Client ID: AMBIENT AIR								
Q1037-03	AMBIENT AIR	Air	Dichlorodifluoromethane	2.27	J	1.04	2.47	ug/m3
Q1037-03	AMBIENT AIR	Air	Chloromethane	0.99	J	0.21	1.03	ug/m3
Q1037-03	AMBIENT AIR	Air	Trichlorofluoromethane	1.40	J	0.90	2.81	ug/m3
Q1037-03	AMBIENT AIR	Air	Acetone	4.28		0.57	1.19	ug/m3
Q1037-03	AMBIENT AIR	Air	Methylene Chloride	4.17		0.66	1.74	ug/m3
Q1037-03	AMBIENT AIR	Air	Carbon Tetrachloride	0.44		0.060	0.19	ug/m3
Q1037-03	AMBIENT AIR	Air	Benzene	0.42	J	0.29	1.60	ug/m3
Q1037-03	AMBIENT AIR	Air	Hexane	1.02	J	0.39	1.76	ug/m3
Total Voc :				15.0				
Total Concentration:				15.0				

Hit Summary Sheet
SW-846

SDG No.: Q1037

Client: All American Environmental, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Project : 63 Richards Street Dover, NJ

Sampling Date : 01/08/25

Field Id Number : INDOOR

Analysis Date : 01/09/25

Laboratory Id Number : Q1037-01

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.39	J	1.93		
Chloromethane	74-87-3	50.49	0.46	J	0.95		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.24	J	1.35		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	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	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.39	J	1.35		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.16	J	0.47		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.08	U	0.39		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.23	J	0.73		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.28	J	1.06		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

Project : 63 Richards Street Dover, NJ

Sampling Date : 01/08/25

Field Id Number : INDOOR

Analysis Date : 01/09/25

Laboratory Id Number : Q1037-01

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.21	U	0.91		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.5		1.76		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

Project : 63 Richards Street Dover, NJ

Sampling Date : 01/08/25

Field Id Number : GARAGE

Analysis Date : 01/09/25

Laboratory Id Number : Q1037-02

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	0.44	J	2.18		
Chloromethane	74-87-3	50.49	0.49	J	1.01		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.26	J	1.46		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	3.5		8.31		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	0.5		1.74		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.19	J	0.56		
Carbon Tetrachloride	56-23-5	153.8	0.08		0.5		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.08	U	0.39		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.23	J	0.73		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.28	J	1.06		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

Project : 63 Richards Street Dover, NJ

Sampling Date : 01/08/25

Field Id Number : GARAGE

Analysis Date : 01/09/25

Laboratory Id Number : Q1037-02

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.21	U	0.91		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.11	J	0.54		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.34	J	1.2		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

Project : 63 Richards Street Dover, NJ

Sampling Date : 01/08/25

Field Id Number : AMBIENT AIR

Analysis Date : 01/09/25

Laboratory Id Number : Q1037-03

Target Analyts : Air Results

Chemical	Cas Number	Molecular Weight	Insert Results in PPBV	Qualifier	Generate Results in ug/m3	QAS Decision	Foot Notes
Dichlorodifluoromethane	75-71-8	120.9	0.46	J	2.27		
Chloromethane	74-87-3	50.49	0.48	J	0.99		
Vinyl Chloride	75-01-4	62.5	0.01	U	0.03		
Bromomethane	74-83-9	94.94	0.14	U	0.54		
Chloroethane	75-00-3	64.52	0.17	U	0.45		
Tetrahydrofuran	109-99-9	72.11	0.13	U	0.38		
Trichlorofluoromethane	75-69-4	137.4	0.25	J	1.4		
Dichlorotetrafluoroethane	76-14-2	170.9	0.09	U	0.63		
1,1,2-Trichlorotrifluoroethane	76-13-1	187.4	0.16	U	1.23		
tert-Butyl alcohol	75-65-0	74.12	0.19	U	0.58		
Heptane	142-82-5	100.2	0.11	U	0.45		
1,1-Dichloroethene	75-35-4	96.94	0.14	U	0.56		
Acetone	67-64-1	58.08	1.8		4.28		
Carbon Disulfide	75-15-0	76.14	0.16	U	0.5		
Methyl tert-Butyl Ether	1634-04-4	88.15	0.12	U	0.43		
Methylene Chloride	75-09-2	84.94	1.2		4.17		
trans-1,2-Dichloroethene	156-60-5	96.94	0.19	U	0.75		
1,1-Dichloroethane	75-34-3	98.96	0.13	U	0.53		
Cyclohexane	110-82-7	84.16	0.22	U	0.76		
2-Butanone	78-93-3	72.11	0.12	U	0.35		
Carbon Tetrachloride	56-23-5	153.8	0.07		0.44		
cis-1,2-Dichloroethene	156-59-2	96.94	0.09	U	0.36		
Chloroform	67-66-3	119.4	0.08	U	0.39		
1,1,1-Trichloroethane	71-55-6	133.4	0.01	U	0.05		
2,2,4-Trimethylpentane	540-84-1	114.2	0.1	U	0.47		
Benzene	71-43-2	78.11	0.13	J	0.42		
1,2-Dichloroethane	107-06-2	98.96	0.09	U	0.36		
Trichloroethene	79-01-6	131.4	0.02	U	0.11		
1,2-Dichloropropane	78-87-5	113	0.11	U	0.51		
Bromodichloromethane	75-27-4	163.8	0.08	U	0.54		
4-Methyl-2-Pentanone	108-10-1	100.2	0.09	U	0.37		
Toluene	108-88-3	92.14	0.11	U	0.41		
t-1,3-Dichloropropene	10061-02-6	111	0.06	U	0.27		
cis-1,3-Dichloropropene	10061-01-5	111	0.06	U	0.27		
1,1,2-Trichloroethane	79-00-5	133.4	0.07	U	0.38		

Project : 63 Richards Street Dover, NJ

Sampling Date : 01/08/25

Field Id Number : AMBIENT AIR

Analysis Date : 01/09/25

Laboratory Id Number : Q1037-03

Target Analyts : Air Results

Dibromochloromethane	124-48-1	208.3	0.07	U	0.6		
1,2-Dibromoethane	106-93-4	187.9	0.07	U	0.54		
Tetrachloroethene	127-18-4	165.8	0.02	U	0.14		
Chlorobenzene	108-90-7	112.6	0.08	U	0.37		
Ethyl Benzene	100-41-4	106.2	0.12	U	0.52		
m/p-Xylene	179601-23-1	106.2	0.21	U	0.91		
o-Xylene	95-47-6	106.2	0.12	U	0.52		
Styrene	100-42-5	104.1	0.11	U	0.47		
Bromoform	75-25-2	252.8	0.06	U	0.62		
1,1,2,2-Tetrachloroethane	79-34-5	167.9	0.01	U	0.07		
2-Chlorotoluene	95-49-8	126.6	0.11	U	0.57		
1,3,5-Trimethylbenzene	108-67-8	120.2	0.11	U	0.54		
1,2,4-Trimethylbenzene	95-63-6	120.2	0.08	U	0.39		
1,3-Dichlorobenzene	541-73-1	147	0.08	U	0.48		
1,4-Dichlorobenzene	106-46-7	147	0.05	U	0.3		
1,2-Dichlorobenzene	95-50-1	147	0.08	U	0.48		
1,2,4-Trichlorobenzene	120-82-1	181.5	0.09	U	0.67		
Hexachloro-1,3-Butadiene	87-68-3	260.8	0.09	U	0.96		
Naphthalene	91-20-3	128.17	0.08	U	0.42		
1,3-Butadiene	106-99-0	54.09	0.13	U	0.29		
4-Ethyltoluene	622-96-8	120.2	0.12	U	0.59		
Hexane	110-54-3	86.17	0.29	J	1.02		
Allyl Chloride	107-05-1	76.53	0.15	U	0.47		
1,4-Dioxane	123-91-1	88.12	0.21	U	0.76		
Methyl Methacrylate	80-62-6	100.117	0.09	U	0.37		

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

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

Adate2	Datafile3	Concentration3	Adate3	Datafile4	Concentration4	Adate4	Datafile5
03182022T03:39:00	VL039242.D	0.45	06082022T19:44:00	VL039436.D	0.45	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.036	06222022T20:53:00	VL039439.D	0.033	07062022T09:13:00	VL039570.D
03212022T20:11:00	VL039329.D	0.029	06222022T20:53:00	VL039439.D	0.035	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.417	06082022T19:44:00	VL039436.D	0.445	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.615	06082022T19:44:00	VL039436.D	0.498	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.493	06082022T19:44:00	VL039436.D	0.545	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.594	06082022T19:44:00	VL039436.D	0.485	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.318	06082022T19:44:00	VL039436.D	0.328	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.389	06082022T19:44:00	VL039436.D	0.387	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.392	06082022T19:44:00	VL039436.D	0.391	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.409	06082022T19:44:00	VL039436.D	0.393	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.494	06082022T19:44:00	VL039436.D	0.435	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.404	06082022T19:44:00	VL039436.D	0.451	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.421	06082022T19:44:00	VL039436.D	0.397	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.583	06082022T19:44:00	VL039436.D	0.486	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.409	06082022T19:44:00	VL039436.D	0.465	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.392	06082022T19:44:00	VL039436.D	0.41	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.454	06082022T19:44:00	VL039436.D	0.535	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.37	06082022T19:44:00	VL039436.D	0.425	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.438	06082022T19:44:00	VL039436.D	0.482	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.415	06082022T19:44:00	VL039436.D	0.401	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.309	06082022T19:44:00	VL039436.D	0.31	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.391	06082022T19:44:00	VL039436.D	0.393	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.371	06082022T19:44:00	VL039436.D	0.372	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.649	06082022T19:44:00	VL039436.D	0.621	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.58	06082022T19:44:00	VL039436.D	0.45	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.391	06082022T19:44:00	VL039436.D	0.429	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.328	06082022T19:44:00	VL039436.D	0.438	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.398	06082022T19:44:00	VL039436.D	0.395	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.526	06082022T19:44:00	VL039436.D	0.475	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.335	06082022T19:44:00	VL039436.D	0.322	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.535	06082022T19:44:00	VL039436.D	0.503	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.494	06082022T19:44:00	VL039436.D	0.389	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.028	06222022T20:53:00	VL039439.D	0.03	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.418	06082022T19:44:00	VL039436.D	0.473	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.489	06082022T19:44:00	VL039436.D	0.483	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.595	06082022T19:44:00	VL039436.D	0.52	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.453	06082022T19:44:00	VL039436.D	0.469	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.5	06082022T19:44:00	VL039436.D	0.482	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.403	06082022T19:44:00	VL039436.D	0.434	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.315	06082022T19:44:00	VL039436.D	0.327	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.428	06082022T19:44:00	VL039436.D	0.512	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.359	06082022T19:44:00	VL039436.D	0.37	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.618	06082022T19:44:00	VL039436.D	0.675	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.551	06082022T19:44:00	VL039436.D	0.51	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.376	06082022T19:44:00	VL039436.D	0.441	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.374	06082022T19:44:00	VL039436.D	0.381	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.33	06082022T19:44:00	VL039436.D	0.41	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.444	06082022T19:44:00	VL039436.D	0.472	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.394	06082022T19:44:00	VL039436.D	0.47	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.504	06082022T19:44:00	VL039436.D	0.465	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.425	06082022T19:44:00	VL039436.D	0.416	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.815	06082022T19:44:00	VL039436.D	0.805	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.347	06082022T19:44:00	VL039436.D	0.361	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.492	06082022T19:44:00	VL039436.D	0.452	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.684	06082022T19:44:00	VL039436.D	0.578	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.282	06082022T19:44:00	VL039436.D	0.302	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.155	06082022T19:44:00	VL039436.D	0.143	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.39	06082022T19:44:00	VL039436.D	0.374	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.394	06082022T19:44:00	VL039436.D	0.397	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.421	06082022T19:44:00	VL039436.D	0.403	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.378	06082022T19:44:00	VL039436.D	0.388	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.435	06082022T19:44:00	VL039436.D	0.521	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.411	06082022T19:44:00	VL039436.D	0.406	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.345	06082022T19:44:00	VL039436.D	0.302	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.309	06082022T19:44:00	VL039436.D	0.279	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.655	06082022T19:44:00	VL039436.D	0.505	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.403	06082022T19:44:00	VL039436.D	0.388	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.036	06222022T20:53:00	VL039439.D	0.034	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.346	06082022T19:44:00	VL039436.D	0.38	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.341	06082022T19:44:00	VL039436.D	0.37	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.64	06082022T19:44:00	VL039436.D	0.494	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.038	06222022T20:53:00	VL039439.D	0.034	07062022T09:13:00	VL039570.D
03182022T03:39:00	VL039242.D	0.596	06082022T19:44:00	VL039436.D	0.492	07062022T02:26:00	VL039568.D
03182022T03:39:00	VL039242.D	0.418	06082022T19:44:00	VL039436.D	0.437	07062022T02:26:00	VL039568.D
03212022T20:11:00	VL039329.D	0.043	06222022T20:53:00	VL039439.D	0.036	07062022T09:13:00	VL039570.D
02232022T13:12:00	VL040329.D	0.51	04102023T17:39:00	VL040349.D	0.633	04122023T23:23:00	VL040559.D

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

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

Adate10	Datafile11	Concentration11	Adate11	Datafile12	Concentration1 2	Adate12	Datafile13
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.434	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.028	04102023T19:33:00	VL040346.D	0.027	04122023T19:50:00	VL040576.D
02232023T15:04:00	VL040332.D	0.023	04102023T19:33:00	VL040346.D	0.03	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.403	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.42	04102023T17:39:00	VL040349.D	0.429	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.43	04102023T17:39:00	VL040349.D	0.4	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.44	04102023T17:39:00	VL040349.D	0.419	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.3	04102023T17:39:00	VL040349.D	0.302	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.362	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.398	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.427	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.385	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.311	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.448	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.392	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.33	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.356	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.451	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.31	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.28	04102023T17:39:00	VL040349.D	0.29	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.303	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.339	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.58	04102023T17:39:00	VL040349.D	0.582	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.402	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.365	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.421	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.397	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.415	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.337	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.44	04102023T17:39:00	VL040349.D	0.51	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.342	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.028	04102023T19:33:00	VL040346.D	0.025	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.433	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.453	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.4	04102023T17:39:00	VL040349.D	0.487	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.43	04102023T17:39:00	VL040349.D	0.456	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.455	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.376	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.287	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.35	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.339	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.51	04102023T17:39:00	VL040349.D	0.483	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.46	04102023T17:39:00	VL040349.D	0.467	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.39	04102023T17:39:00	VL040349.D	0.394	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.31	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.336	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.441	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.365	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.442	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.38	04102023T17:39:00	VL040349.D	0.363	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.66	04102023T17:39:00	VL040349.D	0.659	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.305	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.41	04102023T17:39:00	VL040349.D	0.362	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.47	04102023T17:39:00	VL040349.D	0.533	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.26	04102023T17:39:00	VL040349.D	0.261	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.21	04102023T17:39:00	VL040349.D	0.19	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.33	04102023T17:39:00	VL040349.D	0.334	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.345	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.31	04102023T17:39:00	VL040349.D	0.327	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.32	04102023T17:39:00	VL040349.D	0.314	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.42	04102023T17:39:00	VL040349.D	0.465	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.35	04102023T17:39:00	VL040349.D	0.335	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.26	04102023T17:39:00	VL040349.D	0.257	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.27	04102023T17:39:00	VL040349.D	0.256	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.46	04102023T17:39:00	VL040349.D	0.427	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.34	04102023T17:39:00	VL040349.D	0.327	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.022	04102023T19:33:00	VL040346.D	0.029	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.3	04102023T17:39:00	VL040349.D	0.347	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.29	04102023T17:39:00	VL040349.D	0.291	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.391	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.029	04102023T19:33:00	VL040346.D	0.028	04122023T19:50:00	VL040576.D
02232023T13:12:00	VL040329.D	0.45	04102023T17:39:00	VL040349.D	0.47	04122023T23:23:00	VL040559.D
02232023T13:12:00	VL040329.D	0.37	04102023T17:39:00	VL040349.D	0.58	04122023T23:23:00	VL040559.D
02232023T15:04:00	VL040332.D	0.024	04102023T19:33:00	VL040346.D	0.029	04122023T19:50:00	VL040576.D

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

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



QC SUMMARY

Surrogate Summary

SDG No.: Q1037

Client: All American Environmental, LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1037-01	INDOOR	1-Bromo-4-Fluorobenzene	10	10.2	102	65	135
Q1037-02	GARAGE	1-Bromo-4-Fluorobenzene	10	10.0	100	65	135
Q1037-03	AMBIENT AIR	1-Bromo-4-Fluorobenzene	10	10.1	101	65	135
Q1037-03DUP	AMBIENT AIRDUP	1-Bromo-4-Fluorobenzene	10	10.0	100	65	135
VL0109ABL03	VL0109ABL03	1-Bromo-4-Fluorobenzene	10	10.2	102	65	135
VL0109ABS01	VL0109ABS01	1-Bromo-4-Fluorobenzene	10	10.1	101	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1037

Client: All American Environmental, LLC

Analytical Method: SWTO-15

Datafile : VL041870.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0109ABS01	Dichlorodifluoromethane	10	10.7	ppbv	107			70	130	
	Chloromethane	10	10.2	ppbv	102			70	130	
	Vinyl Chloride	10	9.50	ppbv	95			70	130	
	Bromomethane	10	9.60	ppbv	96			70	130	
	Chloroethane	10	10.1	ppbv	101			70	130	
	Tetrahydrofuran	10	9.30	ppbv	93			70	130	
	Trichlorofluoromethane	10	10.6	ppbv	106			70	130	
	1,1,2-Trichlorotrifluoroethane	10	10.5	ppbv	105			70	130	
	Dichlorotetrafluoroethane	10	10.3	ppbv	103			70	130	
	tert-Butyl Alcohol	10	10.4	ppbv	104			70	130	
	Heptane	10	9.80	ppbv	98			70	130	
	1,1-Dichloroethene	10	10.4	ppbv	104			70	130	
	Acetone	10	8.40	ppbv	84			70	130	
	Carbon disulfide	10	10.3	ppbv	103			70	130	
	Methyl tert-butyl Ether	10	8.20	ppbv	82			70	130	
	Methylene Chloride	10	9.40	ppbv	94			70	130	
	trans-1,2-Dichloroethene	10	10.0	ppbv	100			70	130	
	1,1-Dichloroethane	10	10.4	ppbv	104			70	130	
	Cyclohexane	10	9.90	ppbv	99			70	130	
	2-Butanone	10	9.70	ppbv	97			70	130	
	Carbon Tetrachloride	10	10.4	ppbv	104			70	130	
	cis-1,2-Dichloroethene	10	10.1	ppbv	101			70	130	
	Chloroform	10	10.2	ppbv	102			70	130	
	1,1,1-Trichloroethane	10	10.4	ppbv	104			70	130	
	2,2,4-Trimethylpentane	10	10.0	ppbv	100			70	130	
	Benzene	10	10.0	ppbv	100			70	130	
	1,2-Dichloroethane	10	10.3	ppbv	103			70	130	
	Trichloroethene	10	10.2	ppbv	102			70	130	
	1,2-Dichloropropane	10	9.90	ppbv	99			70	130	
	Bromodichloromethane	10	10.4	ppbv	104			70	130	
	4-Methyl-2-Pentanone	10	9.70	ppbv	97			70	130	
	Toluene	10	9.90	ppbv	99			70	130	
	t-1,3-Dichloropropene	10	9.70	ppbv	97			70	130	
	cis-1,3-Dichloropropene	10	9.70	ppbv	97			70	130	
	1,1,2-Trichloroethane	10	10.0	ppbv	100			70	130	
	Dibromochloromethane	10	10.7	ppbv	107			70	130	
	1,2-Dibromoethane	10	10.1	ppbv	101			70	130	
	Tetrachloroethene	10	8.90	ppbv	89			70	130	
	Chlorobenzene	10	9.90	ppbv	99			70	130	
	Ethyl Benzene	10	10.0	ppbv	100			70	130	
	m/p-Xylene	20	19.8	ppbv	99			70	130	
	o-Xylene	10	9.90	ppbv	99			70	130	
	Styrene	10	9.80	ppbv	98			70	130	
	Bromoform	10	10.5	ppbv	105			70	130	
	1,1,2,2-Tetrachloroethane	10	9.70	ppbv	97			70	130	
	2-Chlorotoluene	10	9.60	ppbv	96			70	130	
	1,3,5-Trimethylbenzene	10	9.80	ppbv	98			70	130	
	1,2,4-Trimethylbenzene	10	9.40	ppbv	94			70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1037

Client: All American Environmental, LLC

Analytical Method: SWTO-15

Datafile : VL041870.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0109ABS01	1,3-Dichlorobenzene	10	9.20	ppbv	92			70	130	
	1,4-Dichlorobenzene	10	9.30	ppbv	93			70	130	
	1,2-Dichlorobenzene	10	9.30	ppbv	93			70	130	
	1,2,4-Trichlorobenzene	10	8.00	ppbv	80			70	130	
	Hexachloro-1,3-butadiene	10	8.00	ppbv	80			70	130	
	Naphthalene	10	7.80	ppbv	78			70	130	
	1,3-Butadiene	10	9.20	ppbv	92			70	130	
	4-Ethyltoluene	10	9.70	ppbv	97			70	130	
	Hexane	10	10.0	ppbv	100			70	130	
	Allyl Chloride	10	10.0	ppbv	100			70	130	
	1,4-Dioxane	10	9.00	ppbv	90			70	130	
	Methyl methacrylate	10	9.90	ppbv	99			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q1037-03DUP	Q1037-03
Client Id :	AMBIENT AIRDUP	AMBIENT AIR
DF :	1	1
Datafile :	VL041875.D	VL041874.D
Anal Date & Time :	01/09/2025 20:16	01/09/2025 19:43

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	0.1	0	200 *
2-Chlorotoluene	0	0	0
4-Ethyltoluene	0	0	0
4-Methyl-2-Pentanone	0	0	0
Acetone	2	1.8	10.5
Allyl Chloride	0	0	0
Benzene	0.12	0.13	8
Bromodichloromethane	0	0	0
Bromoform	0	0	0
Bromomethane	0	0	0
Carbon Disulfide	0	0	0
Carbon Tetrachloride	0.07	0.07	0

Duplicate Sample Summary

Lab Sample Id :	Q1037-03DUP	Q1037-03
Client Id :	AMBIENT AIRDUP	AMBIENT AIR
DF :	1	1
Datafile :	VL041875.D	VL041874.D
Anal Date & Time :	01/09/2025 20:16	01/09/2025 19:43

Parameter	Result	Result	RPD
Chlorobenzene	0	0	0
Chloroethane	0	0	0
Chloroform	0	0	0
Chloromethane	0.46	0.48	4.3
cis-1,2-Dichloroethene	0	0	0
cis-1,3-Dichloropropene	0	0	0
Cyclohexane	0	0	0
Dibromochloromethane	0	0	0
Dichlorodifluoromethane	0.45	0.46	2.2
Dichlorotetrafluoroethane	0	0	0
Ethyl Benzene	0	0	0
Heptane	0	0	0
Hexachloro-1,3-Butadiene	0	0	0
Hexane	0.31	0.29	6.7
m/p-Xylene	0	0	0
Methyl Methacrylate	0	0	0
Methyl tert-Butyl Ether	0	0	0
Methylene Chloride	1.2	1.2	0
Naphthalene	0	0	0
o-Xylene	0	0	0
Styrene	0	0	0
t-1,3-Dichloropropene	0	0	0
tert-Butyl alcohol	0	0	0
Tetrachloroethene	0	0	0
Tetrahydrofuran	0	0	0
Toluene	0	0	0
trans-1,2-Dichloroethene	0	0	0
Trichloroethene	0	0	0
Trichlorofluoromethane	0.24	0.25	4.1
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0109ABL03

Lab Name: CHEMTECH

Contract: ALLA01

Lab Code: CHEM Case No.: Q1037

SAS No.: Q1037 SDG NO.: Q1037

Lab File ID: VL041869.D

Lab Sample ID: VL0109ABL03

Date Analyzed: 01/09/2025

Time Analyzed: 17:01

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
VL0109ABS01	VL0109ABS01	VL041870.D	01/09/2025
INDOOR	Q1037-01	VL041872.D	01/09/2025
GARAGE	Q1037-02	VL041873.D	01/09/2025
AMBIENT AIR	Q1037-03	VL041874.D	01/09/2025
AMBIENT AIRDUP	Q1037-03DUP	VL041875.D	01/09/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ALLA01
Lab Code: CHEM Case No.: Q1037 SAS No.: Q1037 SDG NO.: Q1037
Lab File ID: VL041857.D BFB Injection Date: 01/09/2025
Instrument ID: MSVOA_L BFB Injection Time: 09:48
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23.1
75	30.0 - 66.0% of mass 95	53.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	64.1
175	4.0 - 9.0% of mass 174	5.1 (7.9) 1
176	93.0 - 101.0% of mass 174	62 (96.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL041859.D	01/09/2025	11:19
VSTDICCC002	VSTDICCC002	VL041860.D	01/09/2025	11:52
VSTDICCC001	VSTDICCC001	VL041861.D	01/09/2025	12:22
VSTDICCC0.5	VSTDICCC0.5	VL041862.D	01/09/2025	12:53
VSTDICCC0.1	VSTDICCC0.1	VL041863.D	01/09/2025	13:24
VSTDICCC0.03	VSTDICCC0.03	VL041864.D	01/09/2025	13:54
VSTDICCC015	VSTDICCC015	VL041865.D	01/09/2025	14:27
VL0109ABL03	VL0109ABL03	VL041869.D	01/09/2025	17:01
VL0109ABS01	VL0109ABS01	VL041870.D	01/09/2025	17:32
INDOOR	Q1037-01	VL041872.D	01/09/2025	18:37
GARAGE	Q1037-02	VL041873.D	01/09/2025	19:10
AMBIENT AIR	Q1037-03	VL041874.D	01/09/2025	19:43
AMBIENT AIRDUP	Q1037-03DUP	VL041875.D	01/09/2025	20:16

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ALLA01
 Lab Code: CHEM Case No.: Q1037 SAS No.: Q1037 SDG NO.: Q1037
 Lab File ID: VL041859.D Date Analyzed: 01/09/2025
 Instrument ID: MSVOA_L Time Analyzed: 11:19
 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	150033	2.80	442867	3.99	410499	8.90
UPPER LIMIT	210046	3.13	620014	4.32	574699	9.23
LOWER LIMIT	90019.8	2.47	265720	3.66	246299	8.57
EPA SAMPLE NO.						
INDOOR	119153	2.80	358497	3.98	322381	8.89
GARAGE	117703	2.80	358809	3.98	322467	8.90
AMBIENT AIR	120904	2.80	358423	3.98	318762	8.90
AMBIENT AIRDUP	116632	2.80	351417	3.98	317385	8.90
VL0109ABL03	128032	2.80	380928	3.98	344690	8.90
VL0109ABS01	122543	2.80	372014	3.98	340087	8.90

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

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

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



SAMPLE DATA

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	INDOOR	SDG No.:	Q1037
Lab Sample ID:	Q1037-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041872.D	1		01/09/25 18:37	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.39	1.93	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.46	0.95	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.24	1.35	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	3.70	8.79		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.39	1.35	J	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.16	0.47	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.23	0.73	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.28	1.06	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	INDOOR	SDG No.:	Q1037
Lab Sample ID:	Q1037-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041872.D	1		01/09/25 18:37	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.50	1.76		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135	102%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	119000		2.797			
540-36-3	1,4-Difluorobenzene	358000		3.975			
3114-55-4	Chlorobenzene-d5	322000		8.894			

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	INDOOR	SDG No.:	Q1037
Lab Sample ID:	Q1037-01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041872.D	1		01/09/25 18:37	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041872.D
 Acq On : 09 Jan 2025 18:37
 Operator : SY/MD
 Sample : Q1037-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:44:46 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.797	49	119153	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	358497	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	322381	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	262755	10.165	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	7659	0.392	ppbv	99
3) Chlorodifluoromethane	1.479	51	5784m	0.269	ppbv	
4) Chloromethane	1.538	50	3460m	0.455	ppbv	
9) Propene	1.492	41	70203m	7.002	ppbv	
11) Trichlorofluoromethane	1.884	101	4882	0.243	ppbv	95
13) Ethanol	1.725	45	795184	1248.775	ppbv	87
15) Acetone	1.842	43	74735	3.719	ppbv	96
17) tert-Butyl alcohol	2.049	59	3585	0.157	ppbv #	72
19) Isopropyl Alcohol	1.894	45	23353	2.211	ppbv #	42
20) Methylene Chloride	2.068	84	2700	0.394	ppbv #	91
26) Hexane	2.835	57	10287	0.501	ppbv #	56
30) Cyclohexane	3.878	84	2540m	0.144	ppbv	
34) 2-Butanone	2.573	43	4652	0.156	ppbv	98
35) Carbon Tetrachloride	3.774	117	2003m	0.072	ppbv	
36) Benzene	3.674	78	9375	0.225	ppbv #	85
53) Toluene	6.959	91	14055m	0.284	ppbv	
59) m/p-Xylene	9.545	91	6719m	0.128	ppbv	

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

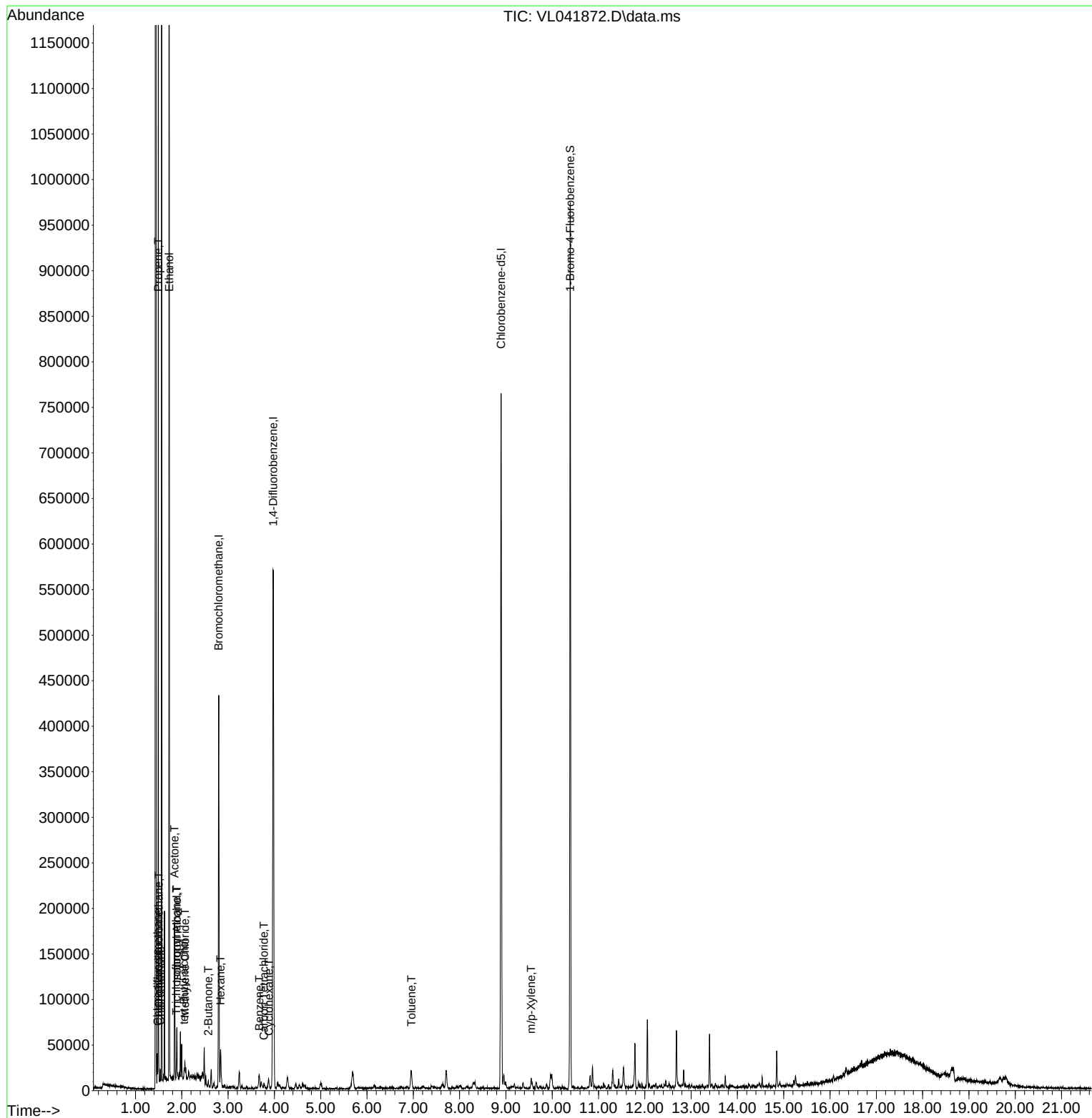
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041872.D
Acq On : 09 Jan 2025 18:37
Operator : SY/MD
Sample : Q1037-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

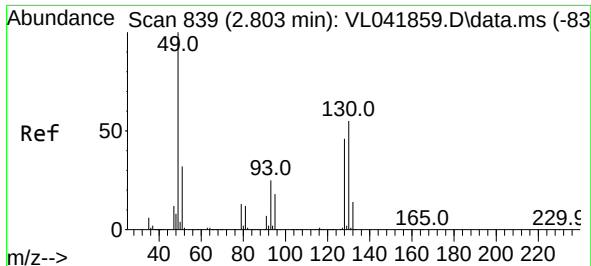
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

Quant Time: Jan 10 01:44:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

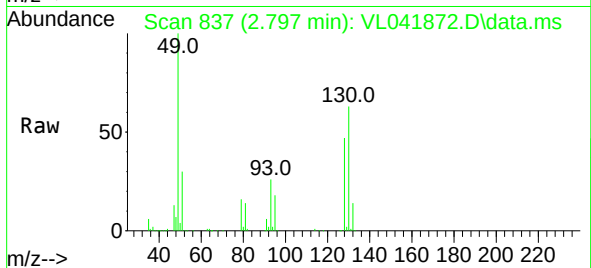
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 811
Delta R.T. -0.006 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

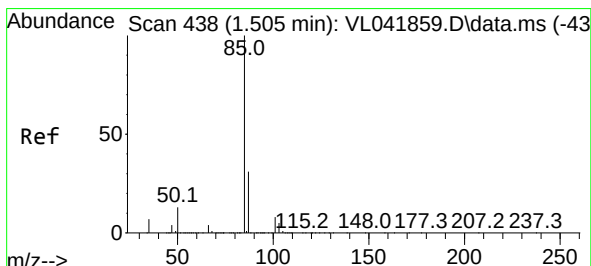
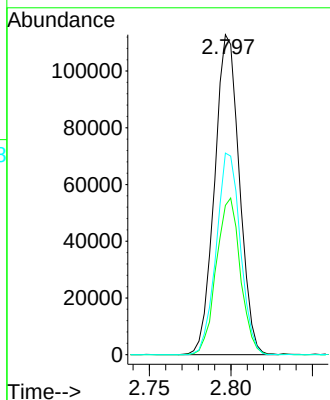
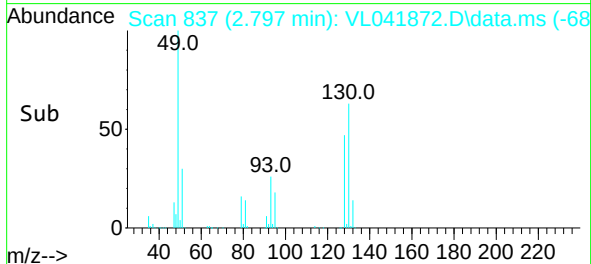
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



Tgt Ion: 49 Resp: 11915
Ion Ratio Lower Upper
49 100
128 47.7 23.2 69.5
130 61.2 29.9 89.8

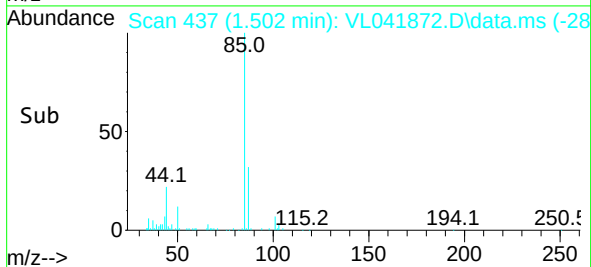
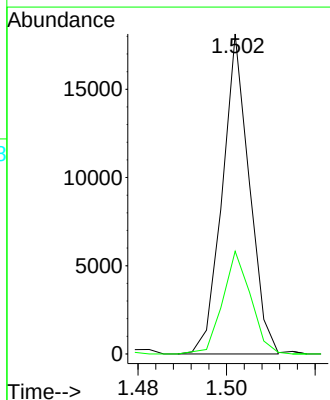
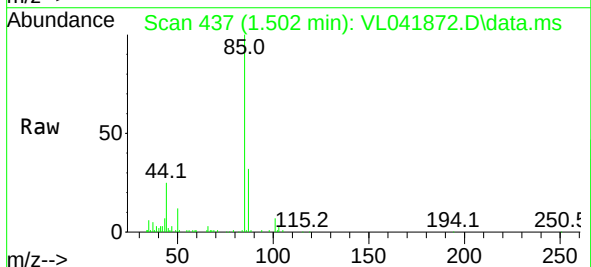
Manual Integrations
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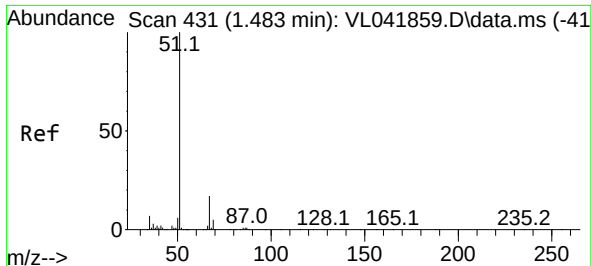
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.392 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 85 Resp: 7659
Ion Ratio Lower Upper
85 100
87 32.1 25.2 37.8





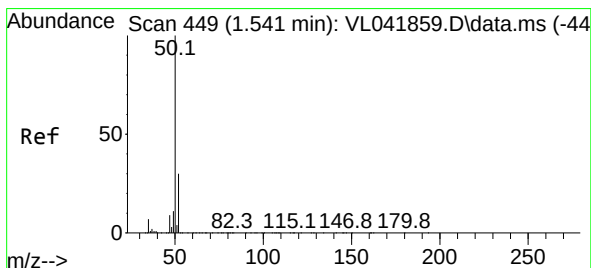
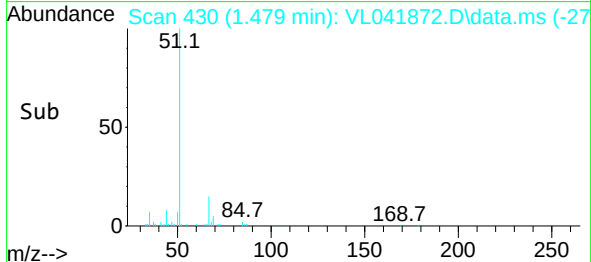
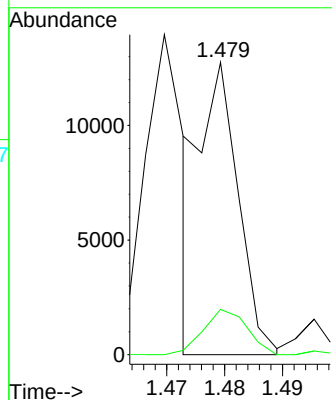
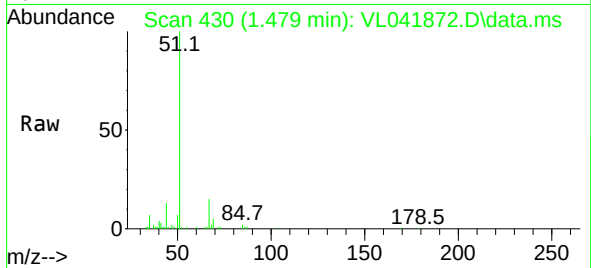
#3
Chlorodifluoromethane
Concen: 0.269 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Instrument :
MSVOA_L
ClientSampleId :
INDOOR

Tgt Ion: 51 Resp: 5784
Ion Ratio Lower Upper
51 100
67 19.8 13.8 20.8

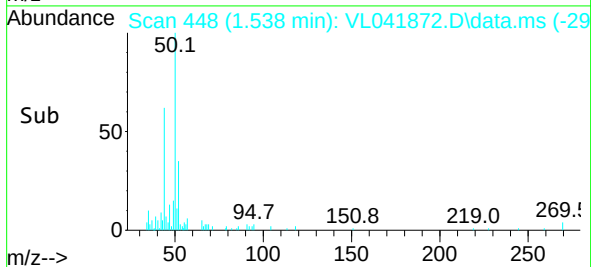
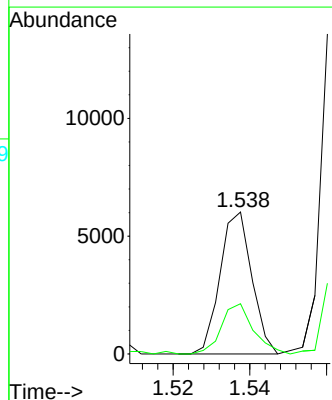
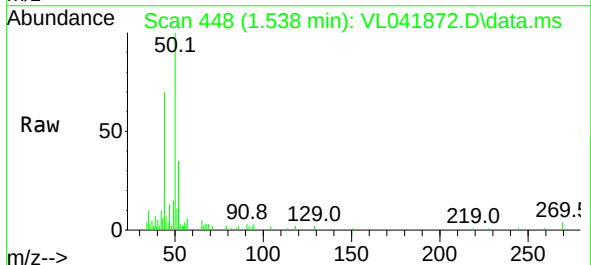
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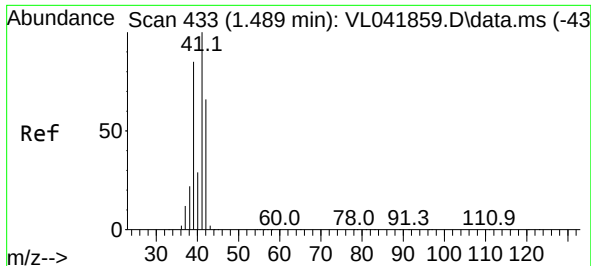
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#4
Chloromethane
Concen: 0.455 ppbv m
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 50 Resp: 3460
Ion Ratio Lower Upper
50 100
52 35.4 23.9 35.9





#9

Propene

Concen: 7.002 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

Tgt Ion: 41 Resp: 7020

Ion Ratio Lower Upper

41 100

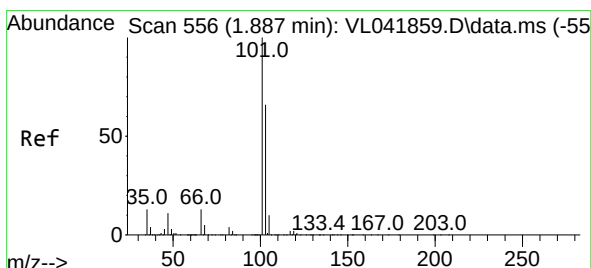
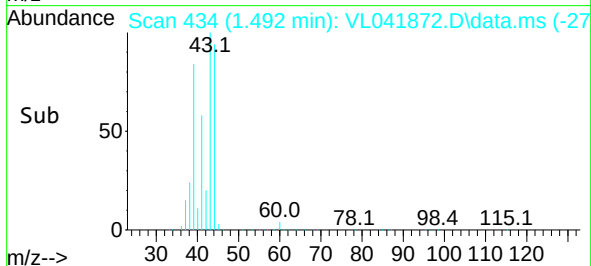
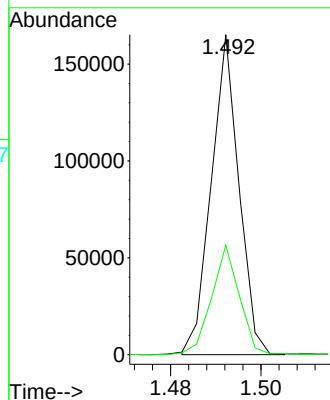
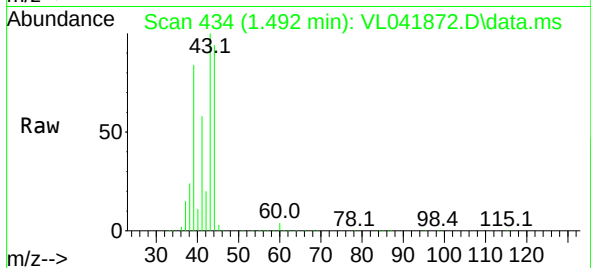
42 451.4 53.0 79.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#11

Trichlorofluoromethane

Concen: 0.243 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041872.D

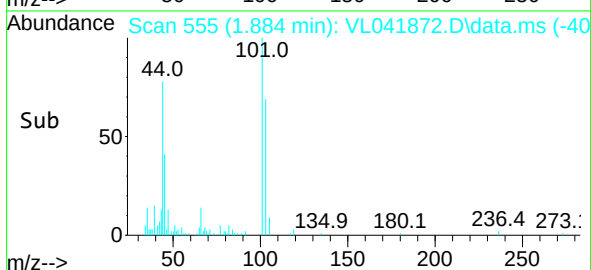
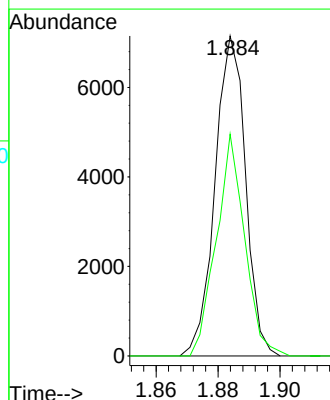
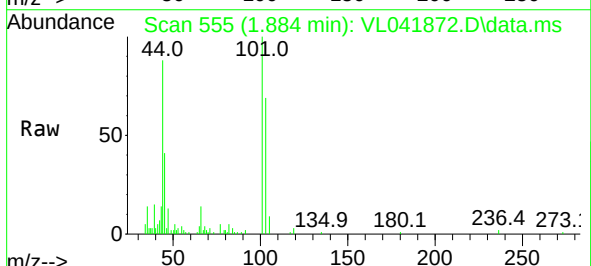
Acq: 09 Jan 2025 18:37

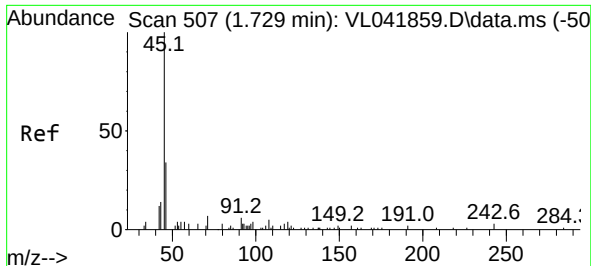
Tgt Ion:101 Resp: 4882

Ion Ratio Lower Upper

101 100

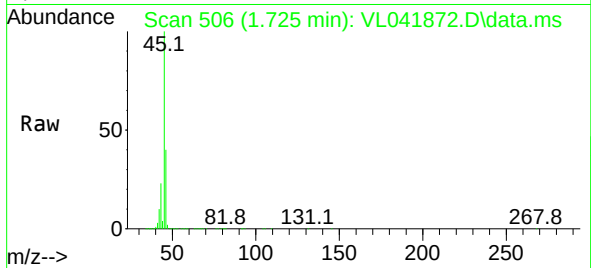
103 69.3 52.6 78.8





#13
Ethanol
Concen: 1248.775 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

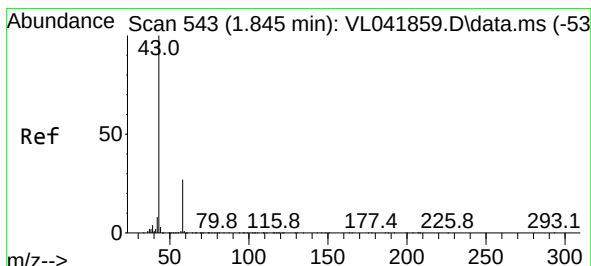
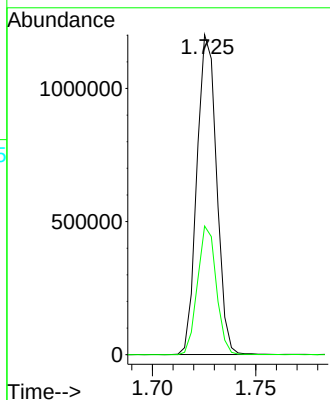
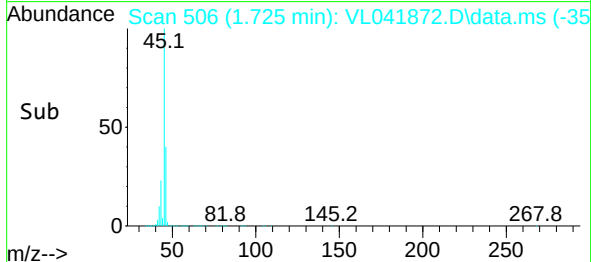
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



Tgt Ion: 45 Resp: 795184
Ion Ratio Lower Upper
45 100
46 38.6 19.0 76.0

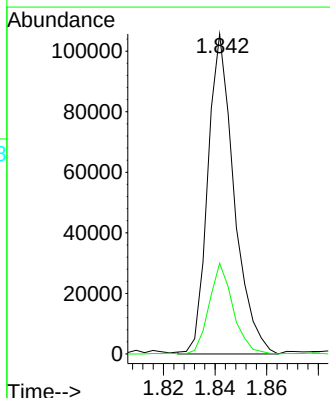
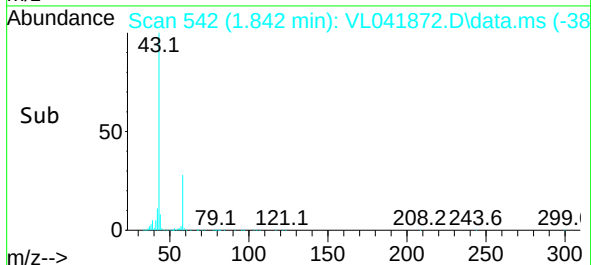
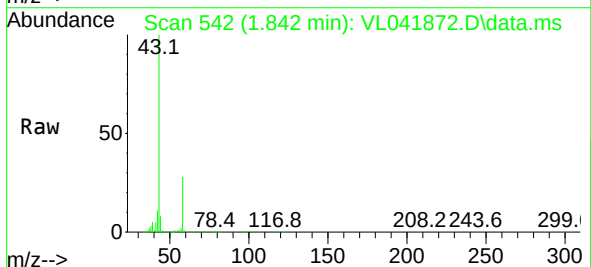
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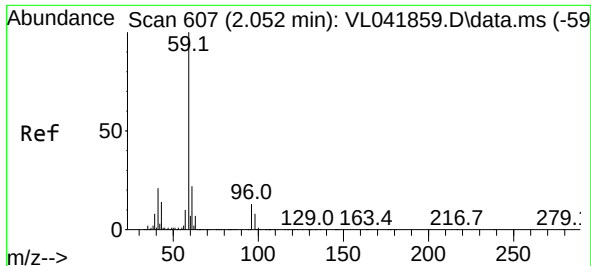
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#15
Acetone
Concen: 3.719 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

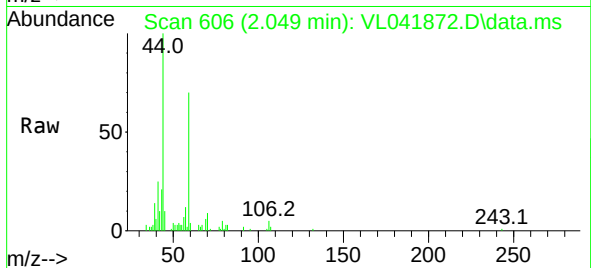
Tgt Ion: 43 Resp: 74735
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1





#17
tert-Butyl alcohol
Concen: 0.157 ppbv
RT: 2.049 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

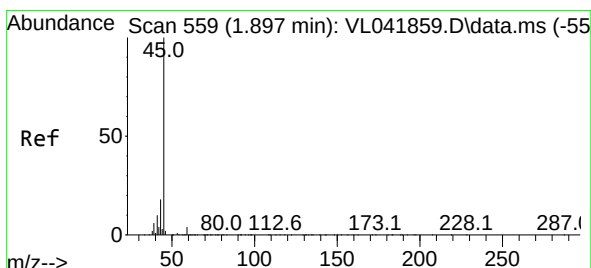
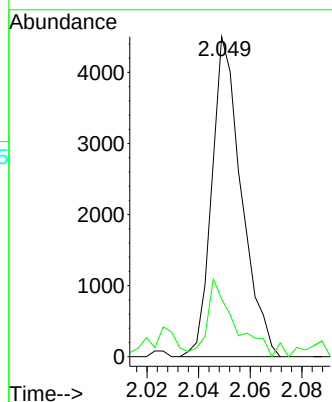
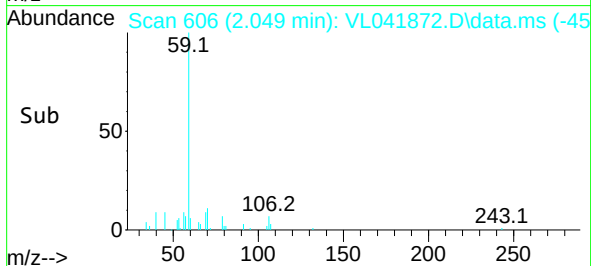
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



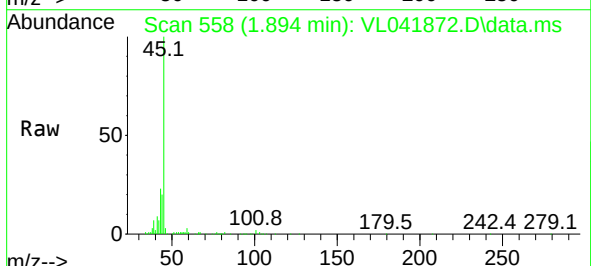
Tgt Ion: 59 Resp: 3589
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4

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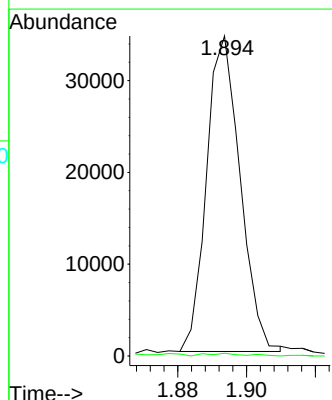
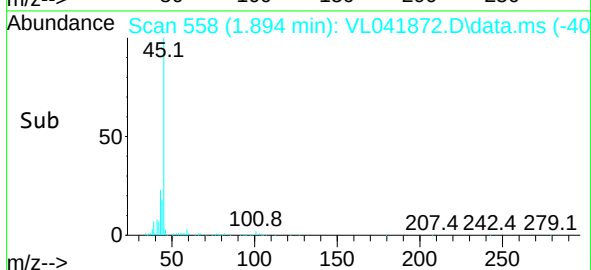
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

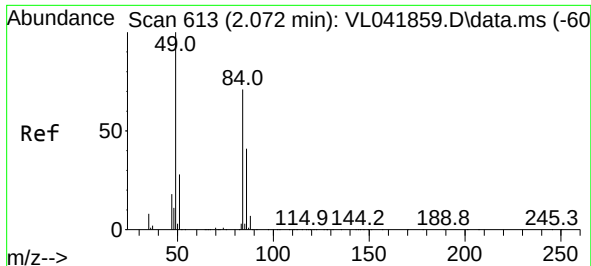


#19
Isopropyl Alcohol
Concen: 2.211 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



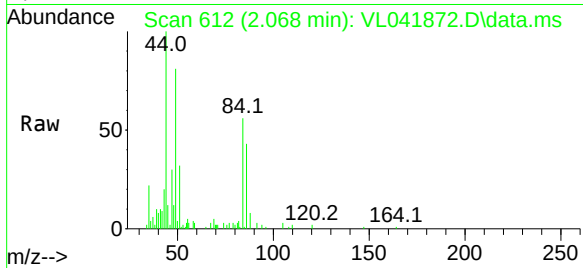
Tgt Ion: 45 Resp: 23353
Ion Ratio Lower Upper
45 100
58 84.9 37.0 55.6





#20
Methylene Chloride
Concen: 0.394 ppbv
RT: 2.068 min Scan# 613
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

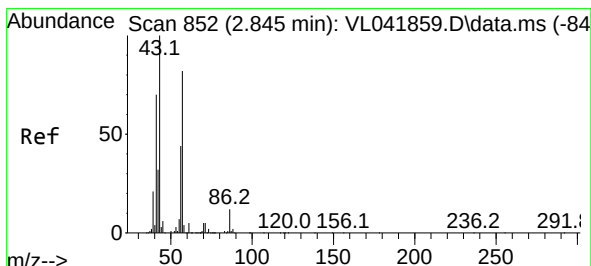
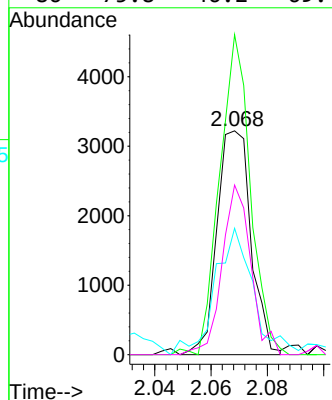
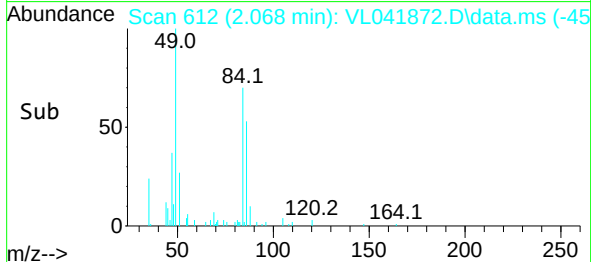
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



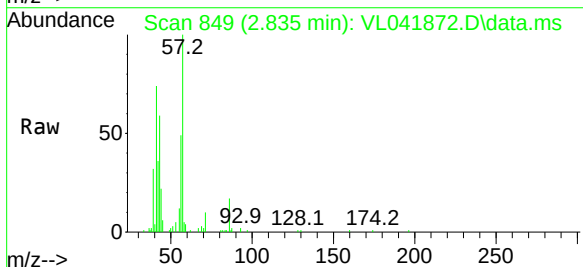
Tgt Ion: 84 Resp: 2700
Ion Ratio Lower Upper
84 100
49 140.4 113.8 170.8
51 50.1 33.5 50.3
86 75.8 46.2 69.4#

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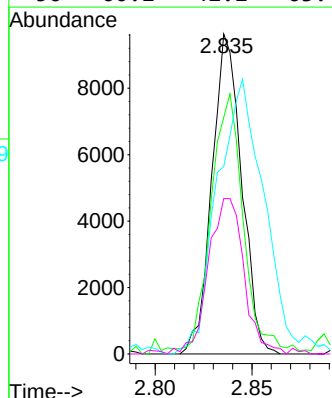
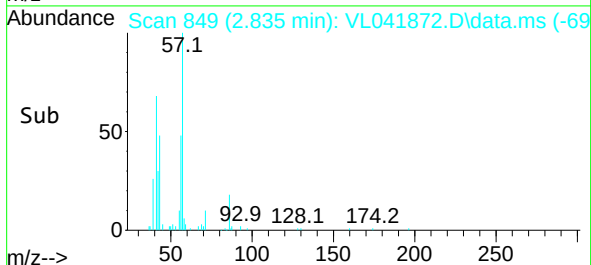
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

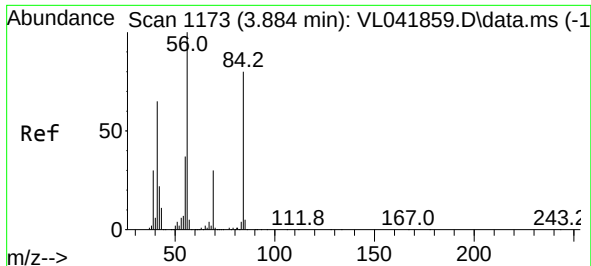


#26
Hexane
Concen: 0.501 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



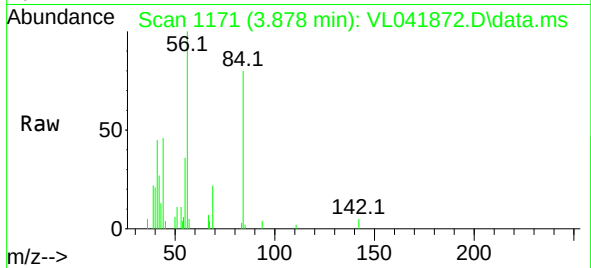
Tgt Ion: 57 Resp: 10287
Ion Ratio Lower Upper
57 100
41 90.9 71.5 107.3
43 135.4 200.2 300.4#
56 60.2 42.2 63.4





#30
Cyclohexane
Concen: 0.144 ppbv m
RT: 3.878 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

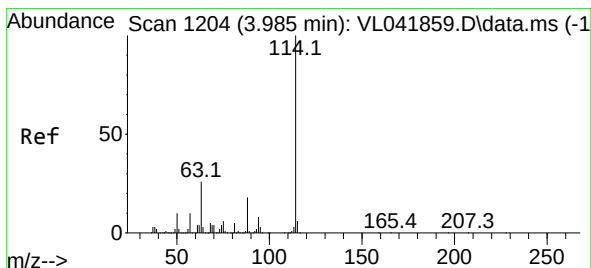
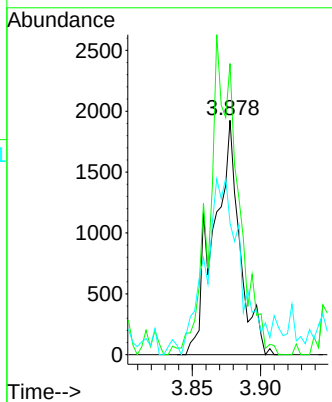
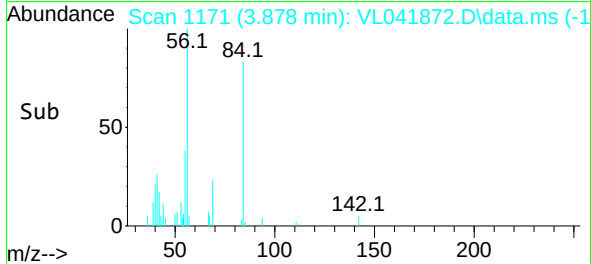
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



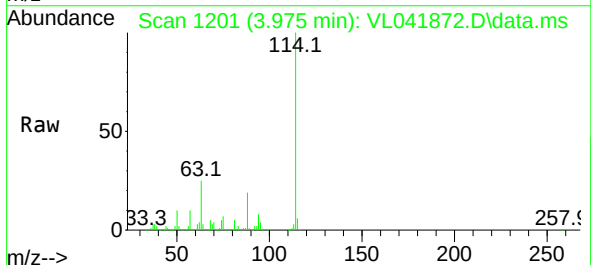
Tgt Ion: 84 Resp: 2540
Ion Ratio Lower Upper
84 100
56 148.9 100.7 151.1
41 123.5 62.8 94.2

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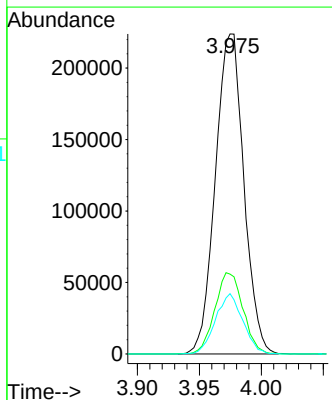
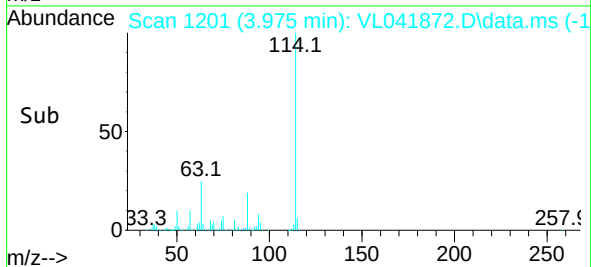
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

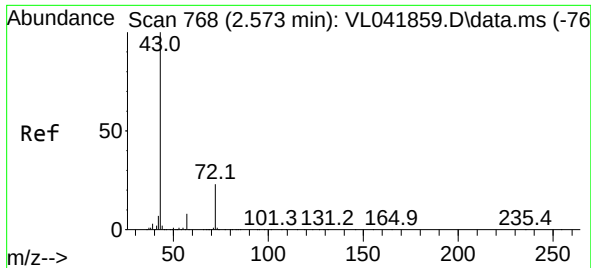


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



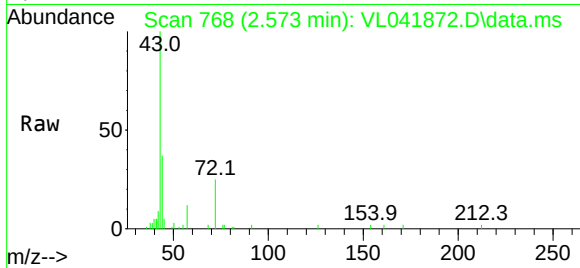
Tgt Ion:114 Resp: 358497
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 18.1 14.6 21.8





#34
2-Butanone
Concen: 0.156 ppbv
RT: 2.573 min Scan# 768
Delta R.T. -0.000 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

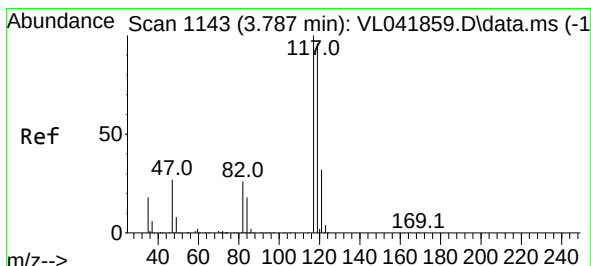
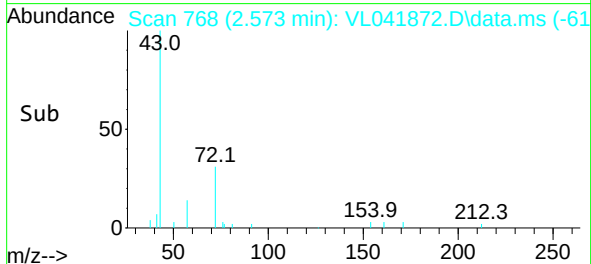
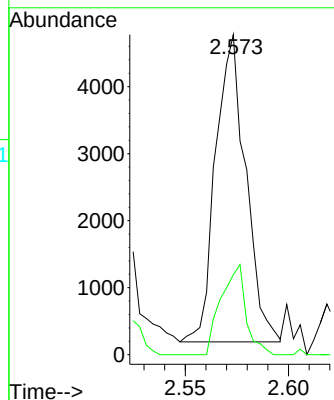
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



Tgt Ion: 43 Resp: 4652
Ion Ratio Lower Upper
43 100
72 24.2 18.5 27.7

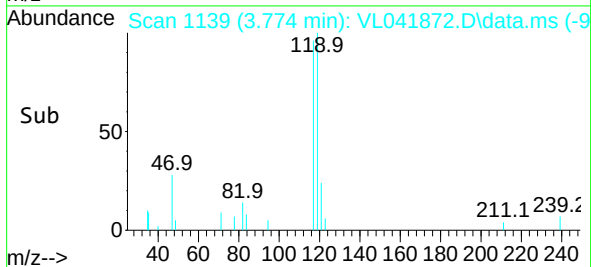
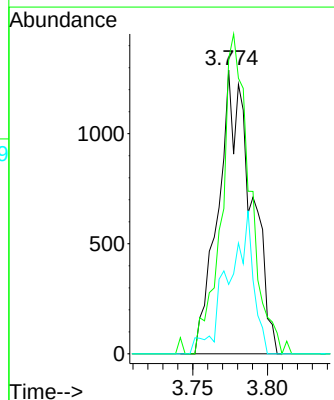
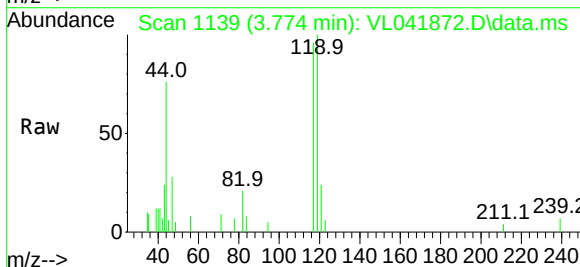
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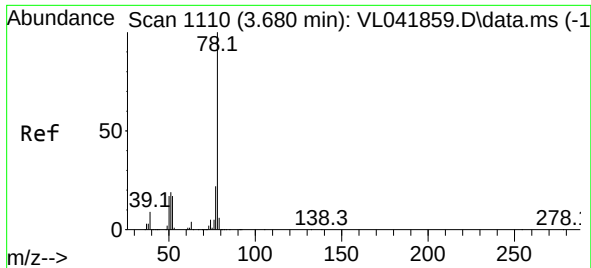
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#35
Carbon Tetrachloride
Concen: 0.072 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

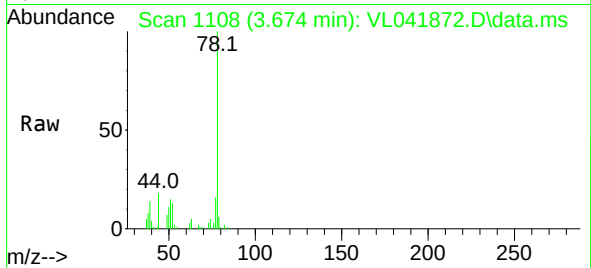
Tgt Ion:117 Resp: 2003
Ion Ratio Lower Upper
117 100
119 103.8 76.9 115.3
121 24.5 25.9 38.9#





#36
Benzene
Concen: 0.225 ppbv
RT: 3.674 min Scan# 1110
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

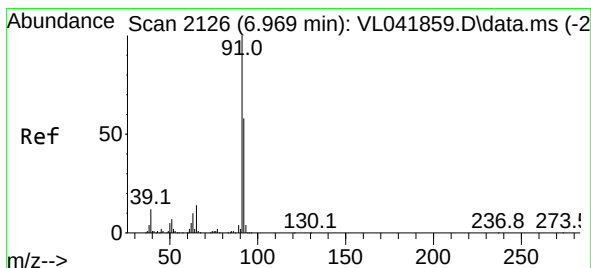
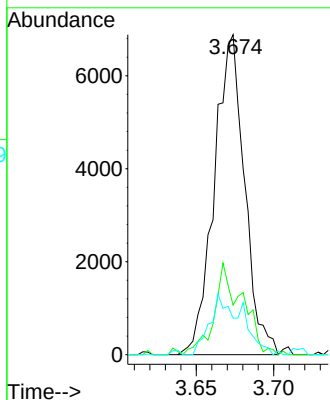
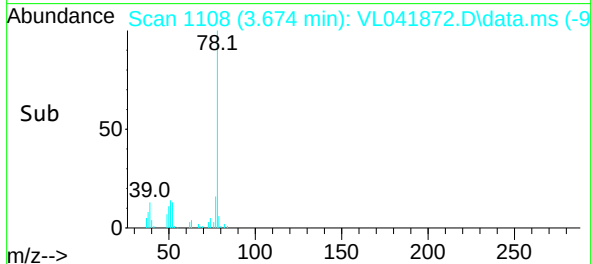
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



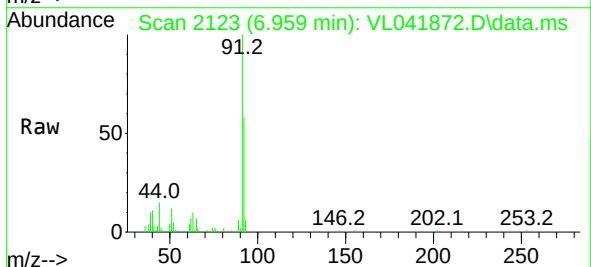
Tgt Ion: 78 Resp: 9375
Ion Ratio Lower Upper
78 100
77 15.5 17.9 26.9
50 10.3 13.7 20.5

Manual Integrations
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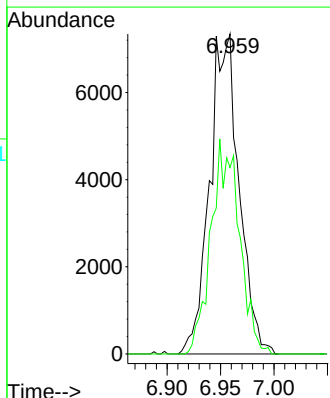
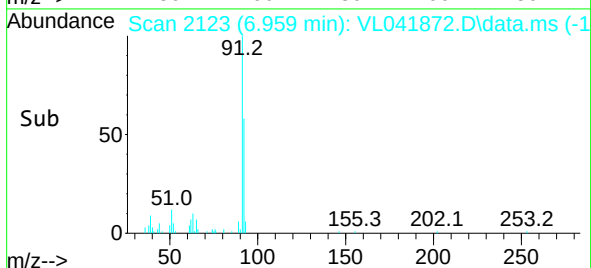
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

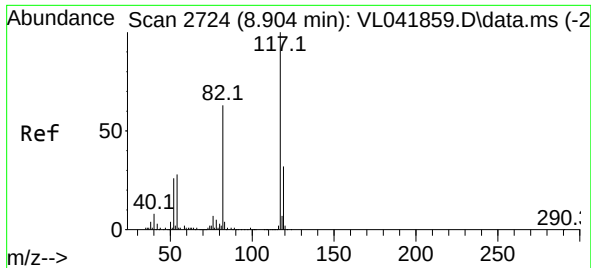


#53
Toluene
Concen: 0.284 ppbv m
RT: 6.959 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



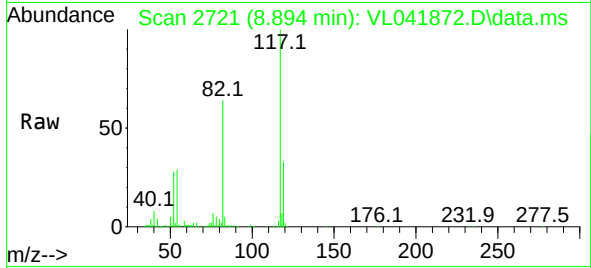
Tgt Ion: 91 Resp: 14055
Ion Ratio Lower Upper
91 100
92 64.3 47.2 70.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

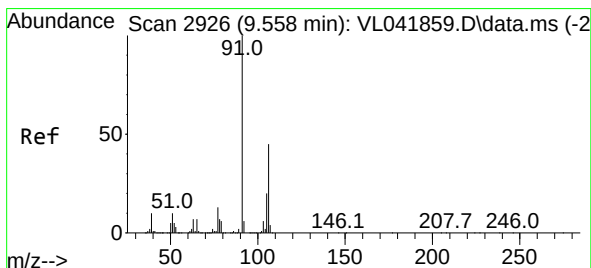
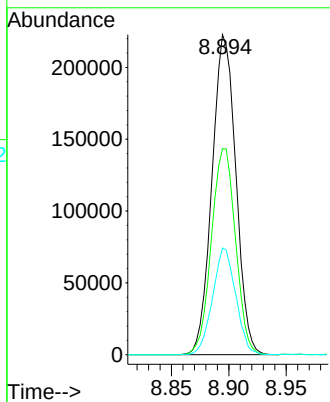
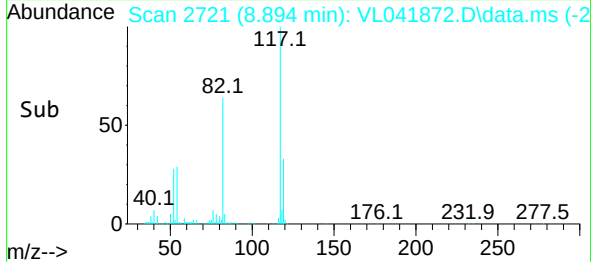
Instrument :
MSVOA_L
ClientSampleId :
INDOOR



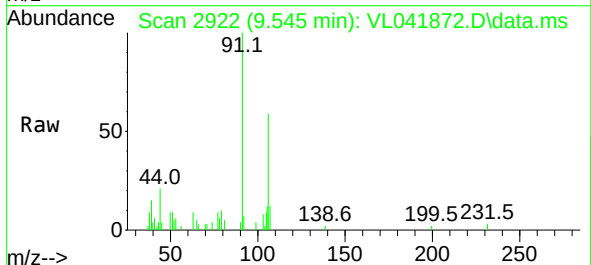
Tgt Ion:117 Resp: 32238
Ion Ratio Lower Upper
117 100
82 65.1 54.5 81.7
119 32.5 24.6 37.0

Manual Integrations
APPROVED

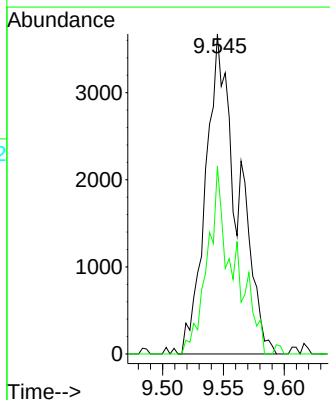
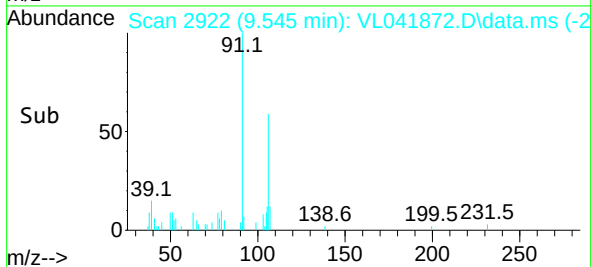
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

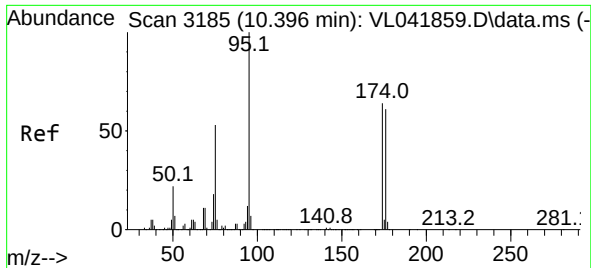


#59
m/p-Xylene
Concen: 0.128 ppbv m
RT: 9.545 min Scan# 2922
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37



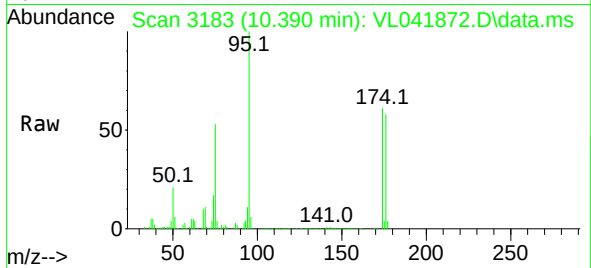
Tgt Ion: 91 Resp: 6719
Ion Ratio Lower Upper
91 100
106 48.8 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.165 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.007 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

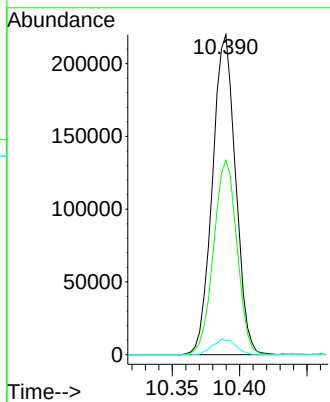
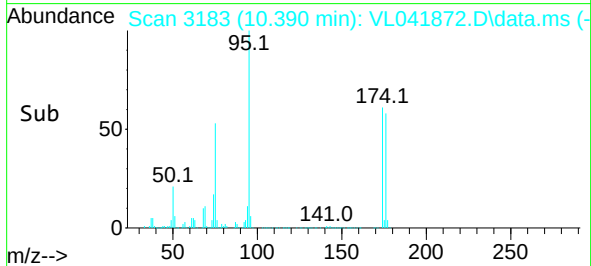
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR



Tgt Ion: 95 Resp: 262758
 Ion Ratio Lower Upper
 95 100
 174 61.4 51.1 76.7
 175 5.0 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	GARAGE	SDG No.:	Q1037
Lab Sample ID:	Q1037-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041873.D	1		01/09/25 19:10	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.44	2.18	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.49	1.01	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.26	1.46	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	3.50	8.31		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.50	1.74		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.19	0.56	J	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.080	0.50		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.23	0.73	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.28	1.06	J	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	GARAGE	SDG No.:	Q1037
Lab Sample ID:	Q1037-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041873.D	1		01/09/25 19:10	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.11	0.54	J	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.34	1.20	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.0			65 - 135	100%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	118000		2.8			
540-36-3	1,4-Difluorobenzene	359000		3.978			
3114-55-4	Chlorobenzene-d5	322000		8.898			

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	GARAGE	SDG No.:	Q1037
Lab Sample ID:	Q1037-02	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041873.D	1		01/09/25 19:10	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 RL = Reporting Limit
 MDL = Method Detection Limit
 E = Value Exceeds Calibration Range
 D = Dilution

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041873.D
 Acq On : 09 Jan 2025 19:10
 Operator : SY/MD
 Sample : Q1037-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:45:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	117703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	358809	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	322467	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	259255	10.027	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8570	0.444	ppbv	89
3) Chlorodifluoromethane	1.479	51	4842m	0.228	ppbv	
4) Chloromethane	1.538	50	3716	0.495	ppbv	97
9) Propene	1.492	41	32873m	3.319	ppbv	
11) Trichlorofluoromethane	1.884	101	5197	0.262	ppbv	95
13) Ethanol	1.729	45	493455	784.479	ppbv	85
15) Acetone	1.842	43	68601	3.456	ppbv	94
17) tert-Butyl alcohol	2.052	59	2600	0.115	ppbv #	42
19) Isopropyl Alcohol	1.897	45	12736	1.221	ppbv #	1
20) Methylene Chloride	2.072	84	3372	0.498	ppbv #	92
26) Hexane	2.842	57	6813	0.336	ppbv #	49
30) Cyclohexane	3.881	84	2030m	0.116	ppbv	
34) 2-Butanone	2.577	43	5540	0.186	ppbv	91
35) Carbon Tetrachloride	3.781	117	2122m	0.076	ppbv	
36) Benzene	3.677	78	9404m	0.226	ppbv	
53) Toluene	6.959	91	13871	0.280	ppbv	96
59) m/p-Xylene	9.548	91	9007	0.172	ppbv #	100
74) 1,2,4-Trimethylbenzene	11.549	105	6458	0.109	ppbv #	53

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

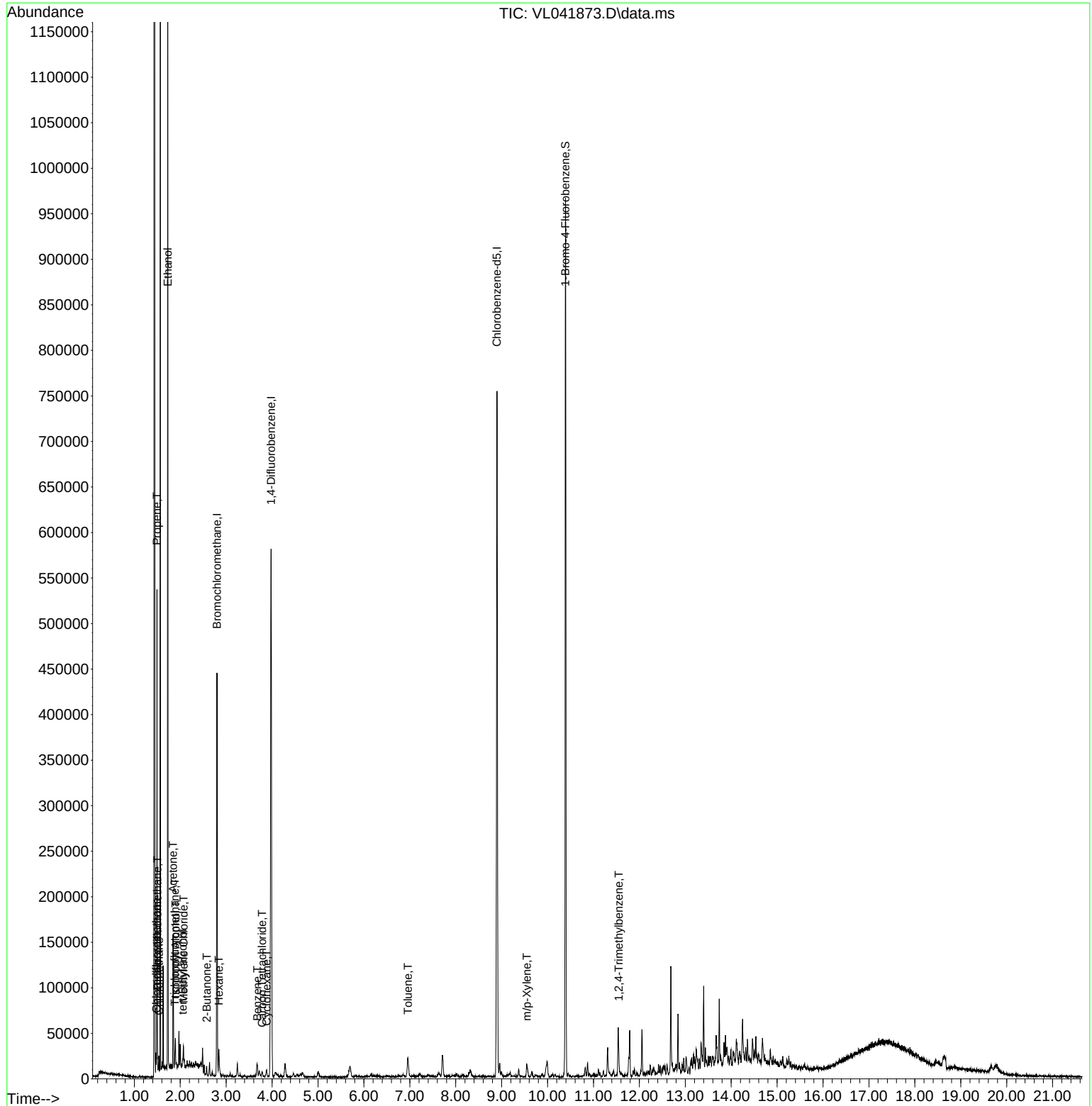
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041873.D
Acq On : 09 Jan 2025 19:10
Operator : SY/MD
Sample : Q1037-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

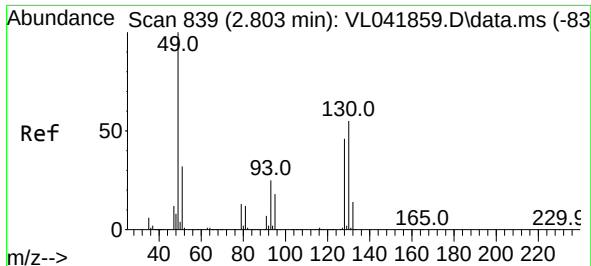
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

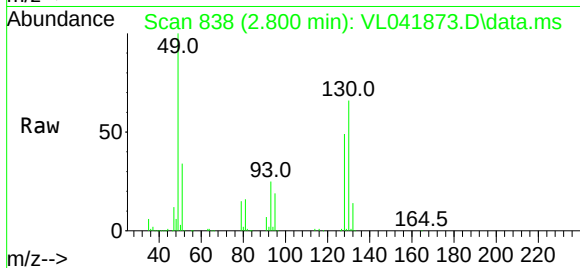
Quant Time: Jan 10 01:45:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

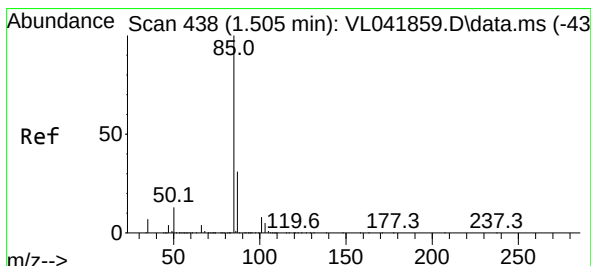
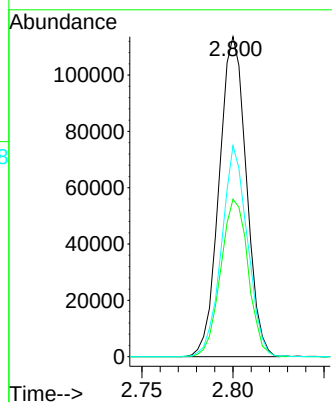
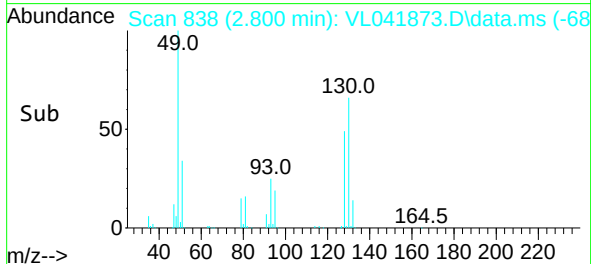
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



Tgt Ion: 49 Resp: 11770
Ion Ratio Lower Upper
49 100
128 49.7 23.2 69.5
130 62.9 29.9 89.8

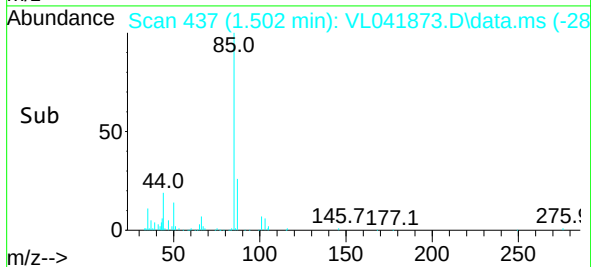
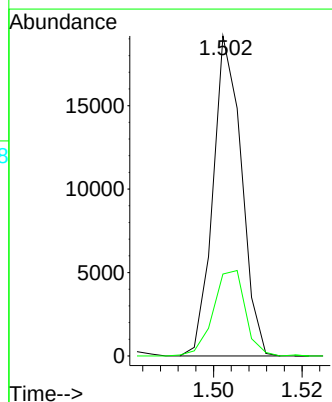
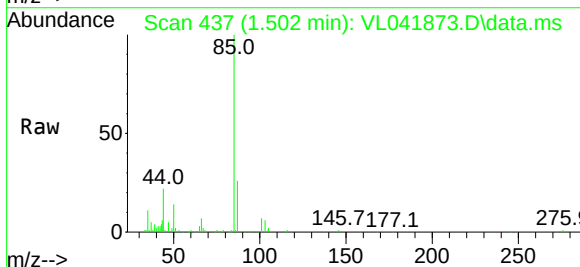
Manual Integrations
APPROVED

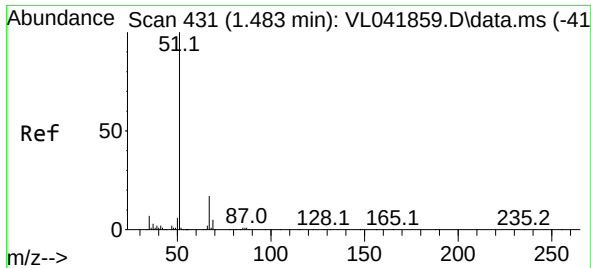
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.444 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 85 Resp: 8570
Ion Ratio Lower Upper
85 100
87 25.6 25.2 37.8





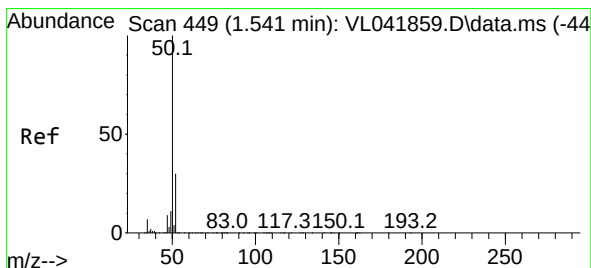
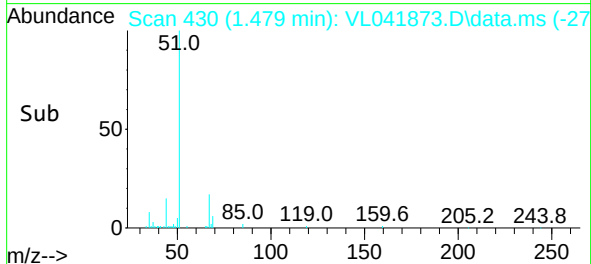
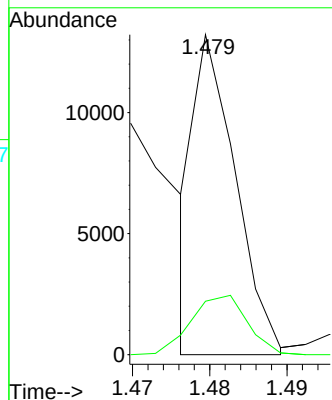
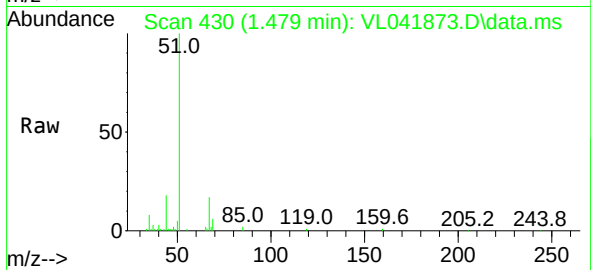
#3
Chlorodifluoromethane
Concen: 0.228 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Instrument :
MSVOA_L
ClientSampleId :
GARAGE

Tgt Ion: 51 Resp: 484
Ion Ratio Lower Upper
51 100
67 27.2 13.8 20.8

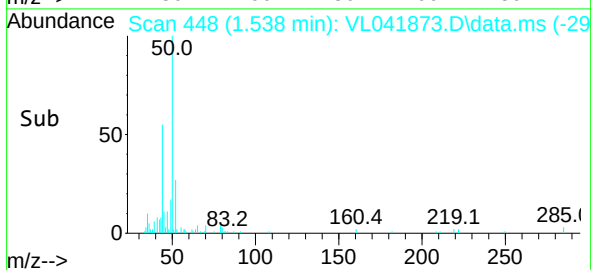
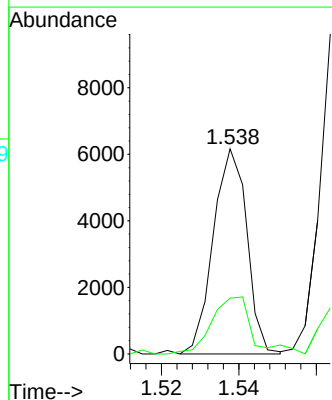
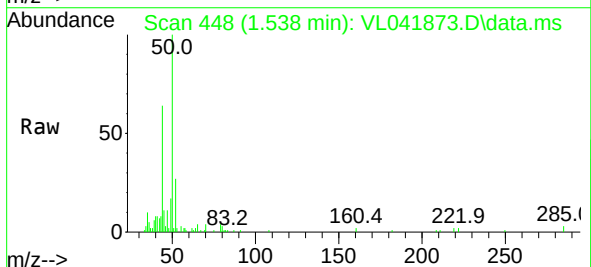
Manual Integrations
APPROVED

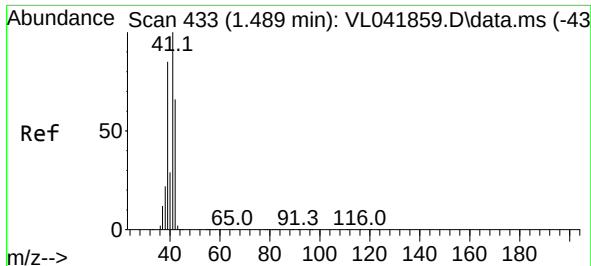
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#4
Chloromethane
Concen: 0.495 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 50 Resp: 3716
Ion Ratio Lower Upper
50 100
52 28.2 23.9 35.9





#9

Propene

Concen: 3.319 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

Tgt Ion: 41 Resp: 3287

Ion Ratio Lower Upper

41 100

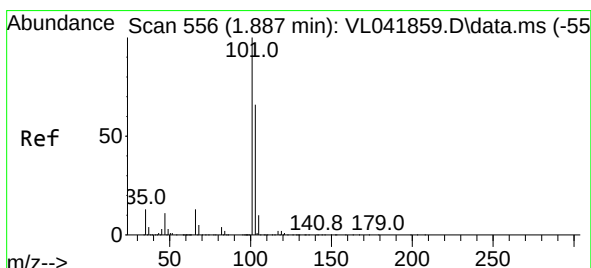
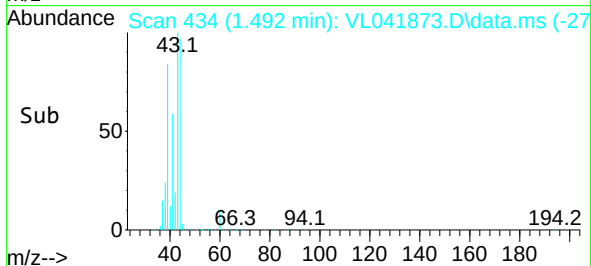
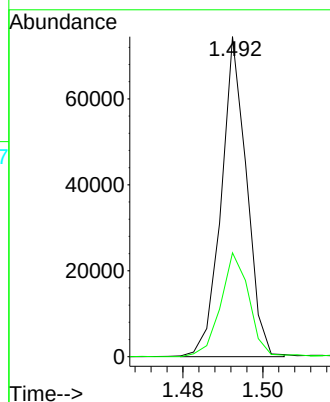
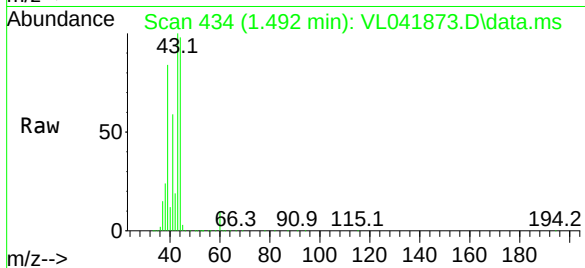
42 417.7 53.0 79.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#11

Trichlorofluoromethane

Concen: 0.262 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041873.D

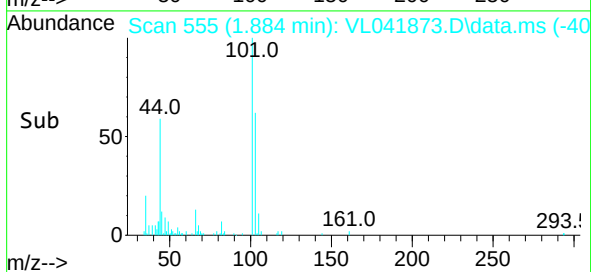
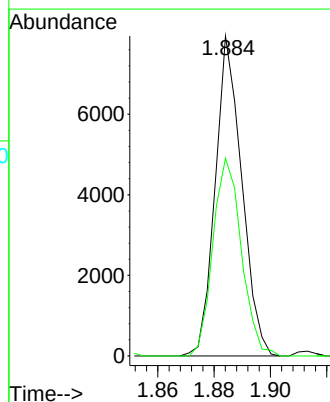
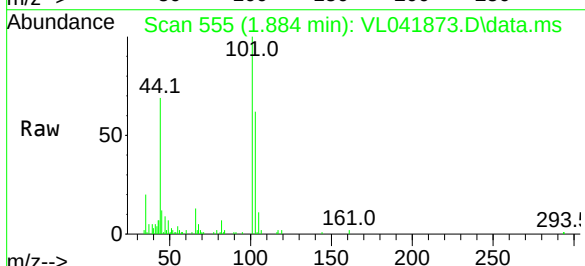
Acq: 09 Jan 2025 19:10

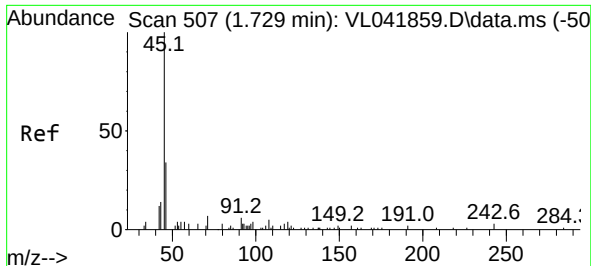
Tgt Ion:101 Resp: 5197

Ion Ratio Lower Upper

101 100

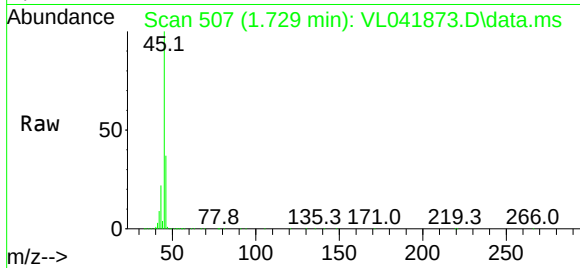
103 61.8 52.6 78.8





#13
Ethanol
Concen: 784.479 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

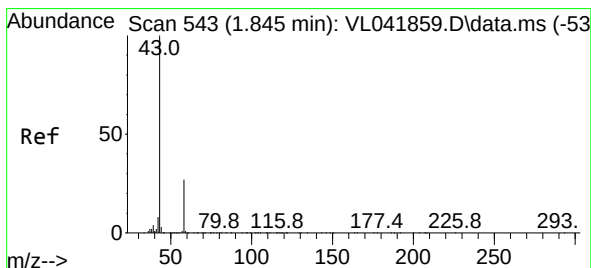
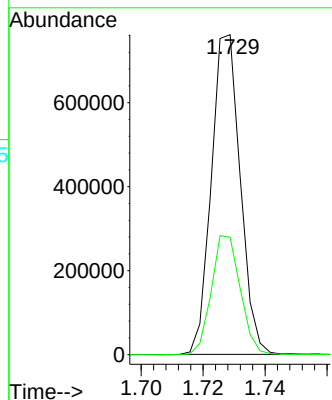
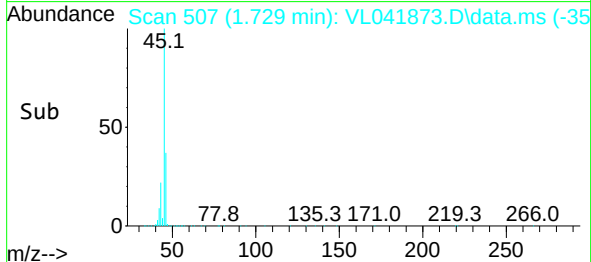
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



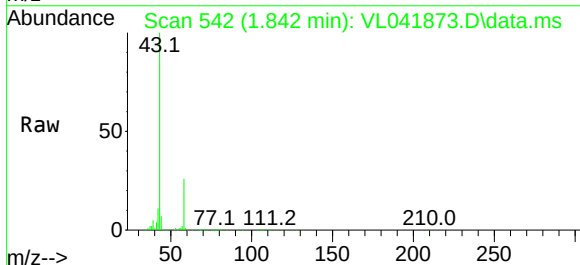
Tgt Ion: 45 Resp: 49345
Ion Ratio Lower Upper
45 100
46 37.4 19.0 76.0

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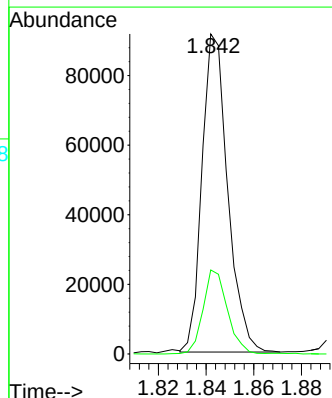
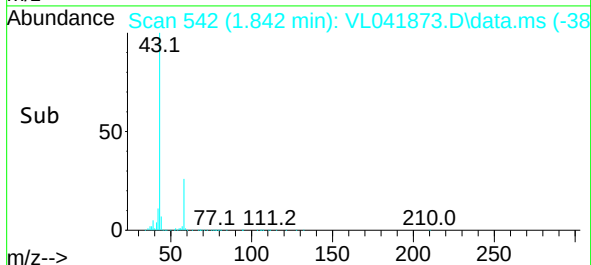
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

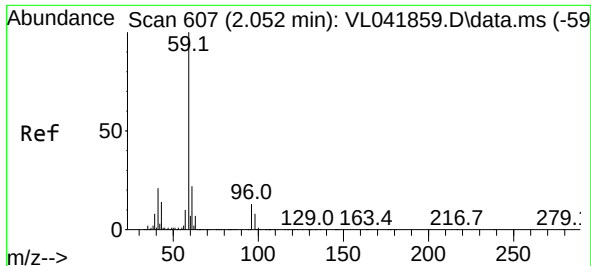


#15
Acetone
Concen: 3.456 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



Tgt Ion: 43 Resp: 68601
Ion Ratio Lower Upper
43 100
58 25.2 22.7 34.1





#17

tert-Butyl alcohol

Concen: 0.115 ppbv

RT: 2.052 min Scan# 607

Delta R.T. -0.000 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

Tgt Ion: 59 Resp: 2600

Ion Ratio Lower Upper

59 100

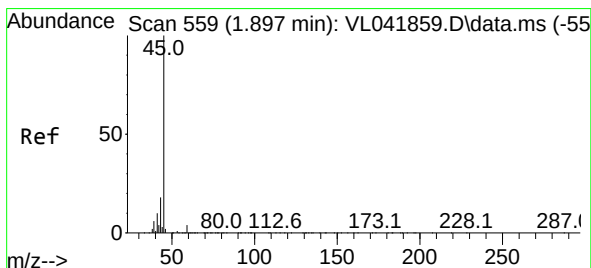
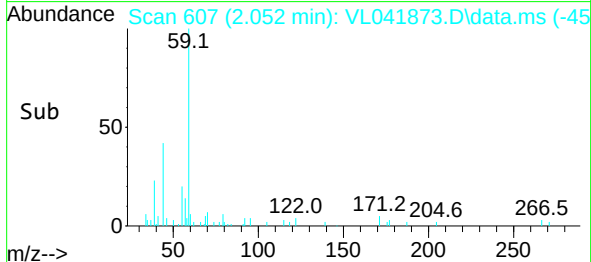
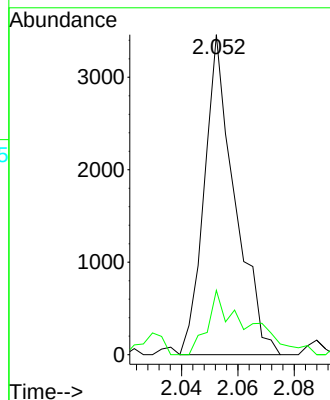
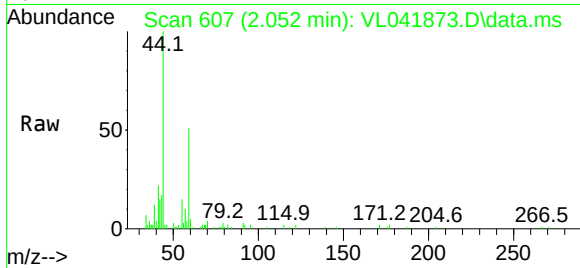
57 32.0 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#19

Isopropyl Alcohol

Concen: 1.221 ppbv

RT: 1.897 min Scan# 559

Delta R.T. -0.000 min

Lab File: VL041873.D

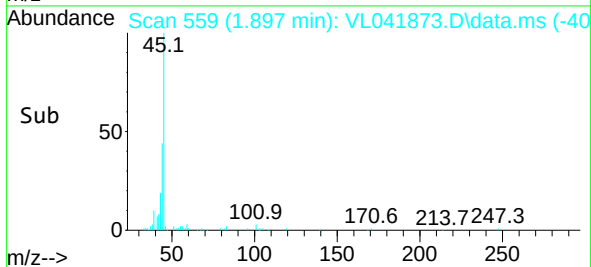
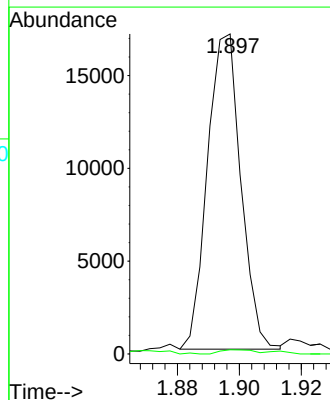
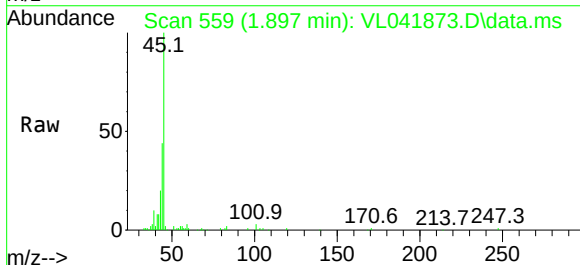
Acq: 09 Jan 2025 19:10

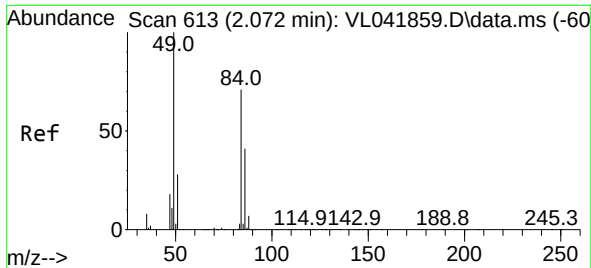
Tgt Ion: 45 Resp: 12736

Ion Ratio Lower Upper

45 100

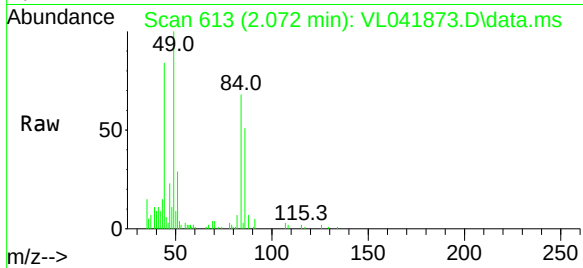
58 135.7 37.0 55.6





#20
Methylene Chloride
Concen: 0.498 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

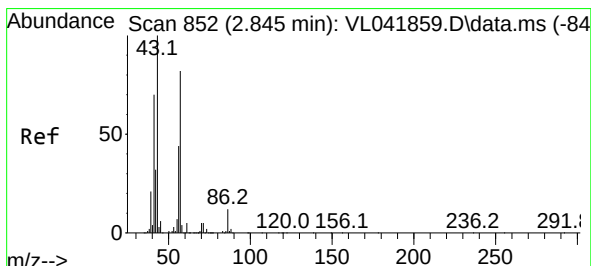
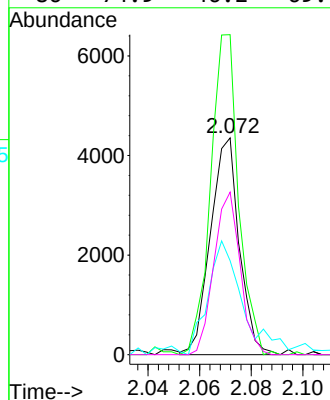
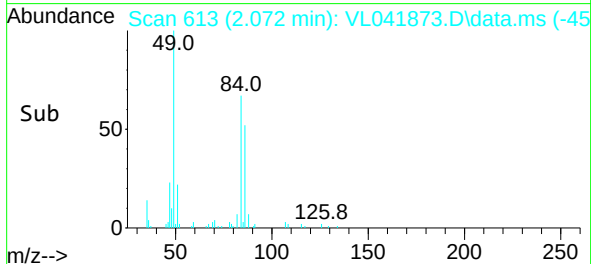
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



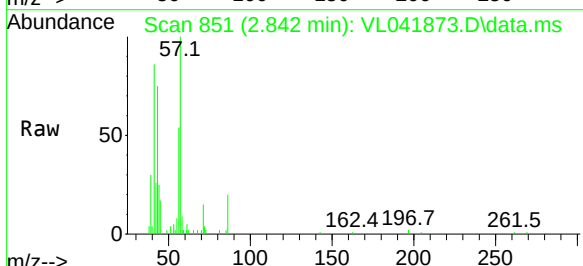
Tgt Ion: 84 Resp: 3372
Ion Ratio Lower Upper
84 100
49 147.6 113.8 170.8
51 41.9 33.5 50.3
86 74.9 46.2 69.4#

Manual Integrations
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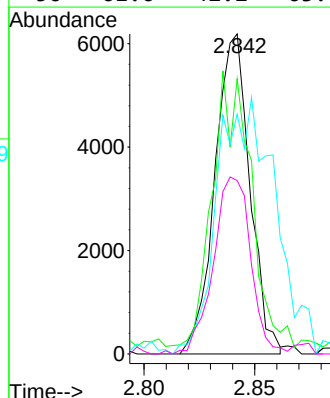
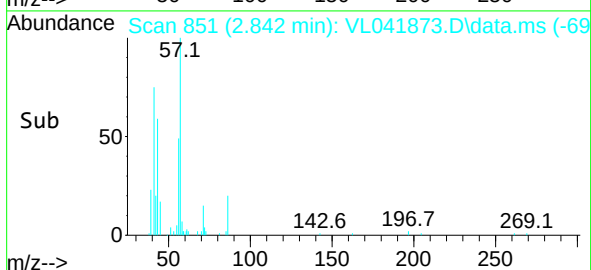
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

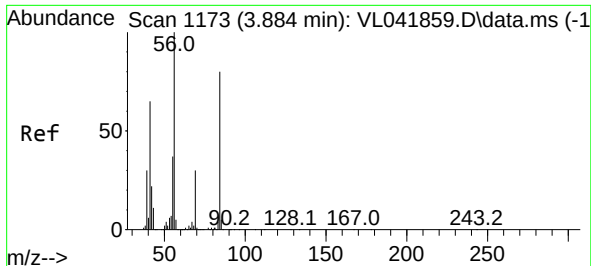


#26
Hexane
Concen: 0.336 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



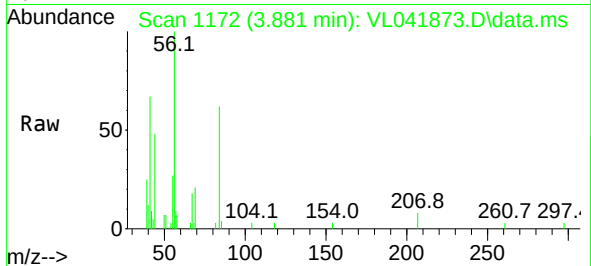
Tgt Ion: 57 Resp: 6813
Ion Ratio Lower Upper
57 100
41 109.7 71.5 107.3#
43 127.7 200.2 300.4#
56 61.6 42.2 63.4





#30
Cyclohexane
Concen: 0.116 ppbv m
RT: 3.881 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

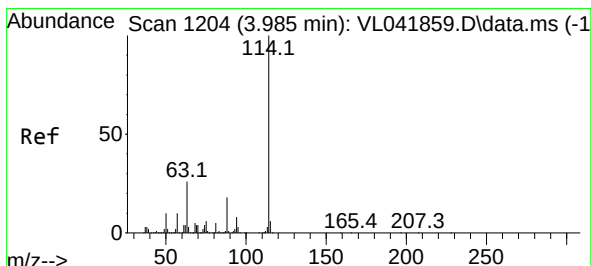
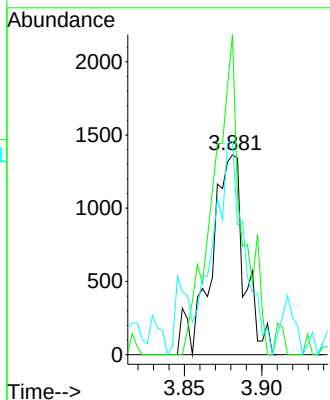
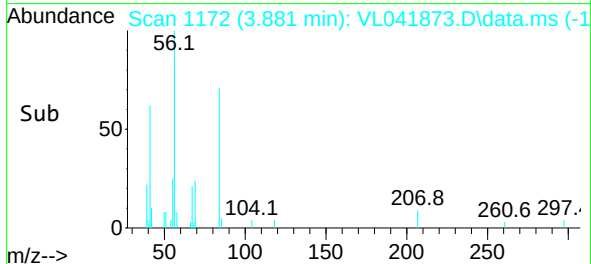
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



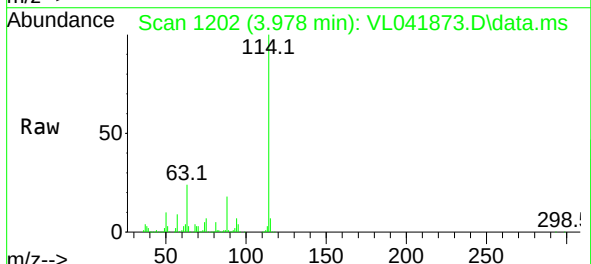
Tgt Ion: 84 Resp: 2030
Ion Ratio Lower Upper
84 100
56 143.7 100.7 151.1
41 144.4 62.8 94.2

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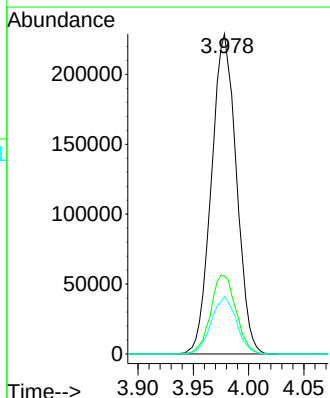
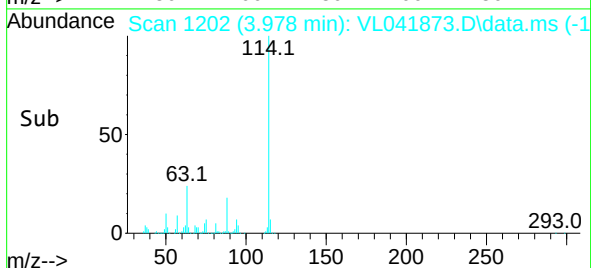
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

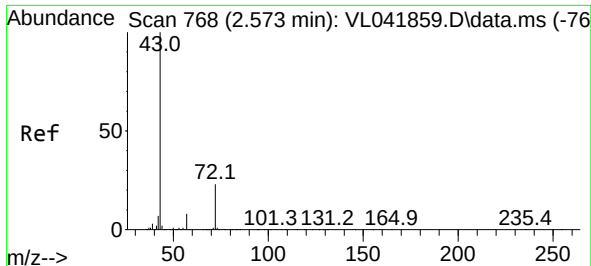


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



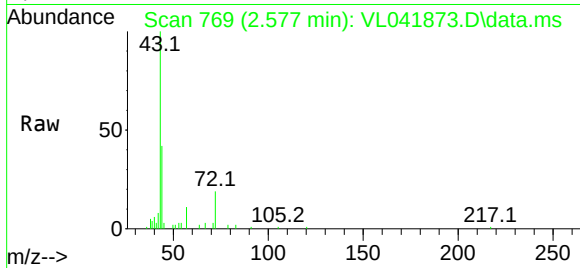
Tgt Ion:114 Resp: 358809
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 18.0 14.6 21.8





#34
2-Butanone
Concen: 0.186 ppbv
RT: 2.577 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

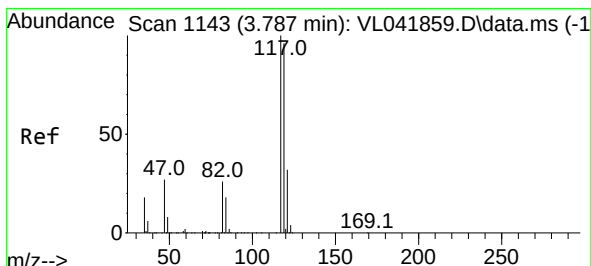
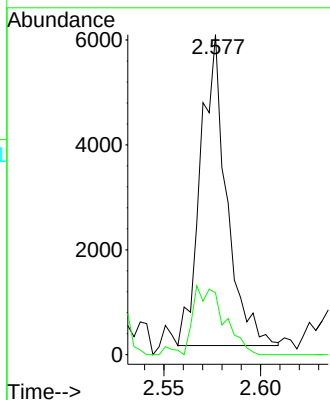
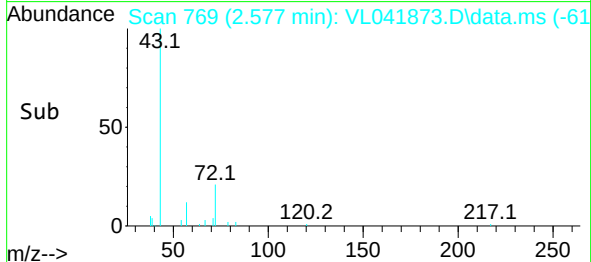
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



Tgt Ion: 43 Resp: 5540
Ion Ratio Lower Upper
43 100
72 27.3 18.5 27.7

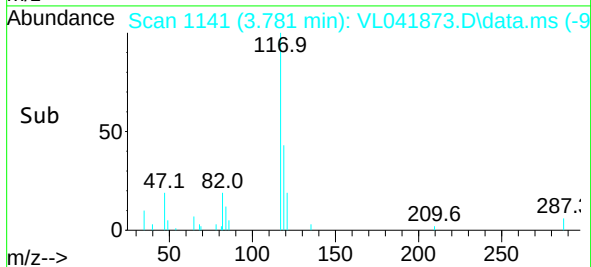
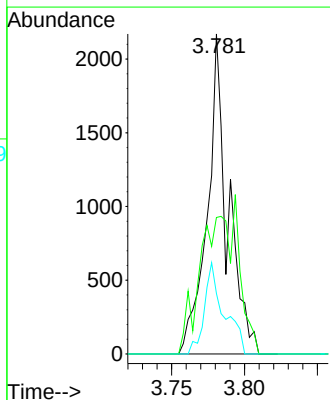
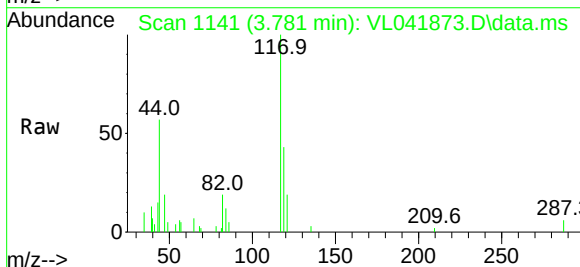
Manual Integrations
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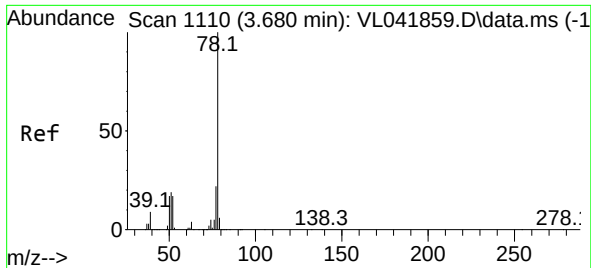
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#35
Carbon Tetrachloride
Concen: 0.076 ppbv m
RT: 3.781 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

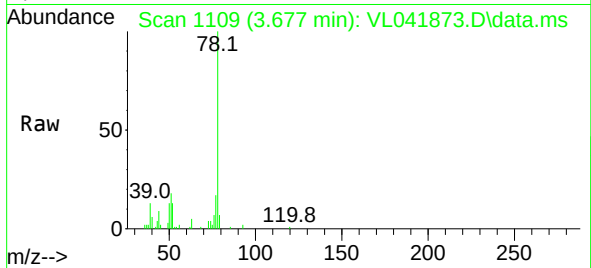
Tgt Ion:117 Resp: 2122
Ion Ratio Lower Upper
117 100
119 42.7 76.9 115.3#
121 18.9 25.9 38.9#





#36
Benzene
Concen: 0.226 ppbv m
RT: 3.677 min Scan# 1110
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

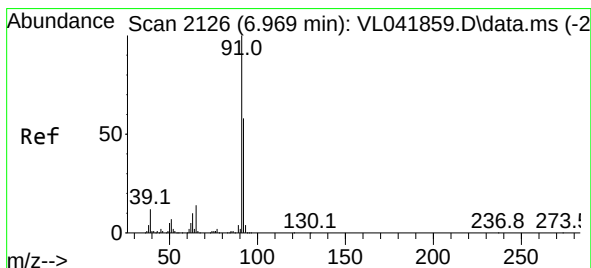
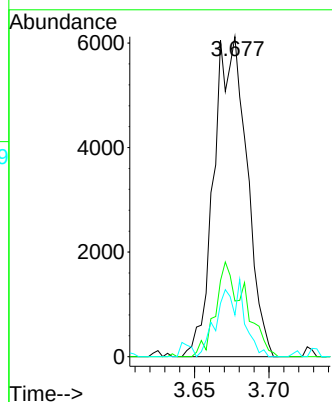
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



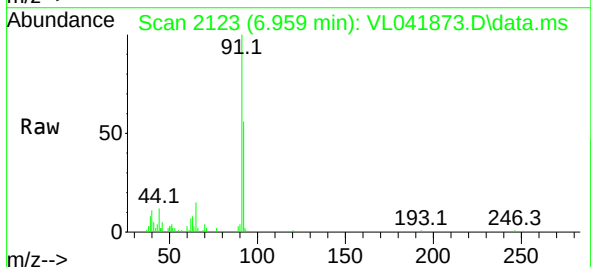
Tgt Ion: 78 Resp: 9404
Ion Ratio Lower Upper
78 100
77 17.4 17.9 26.9
50 13.0 13.7 20.5

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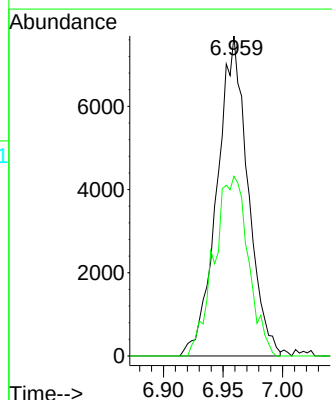
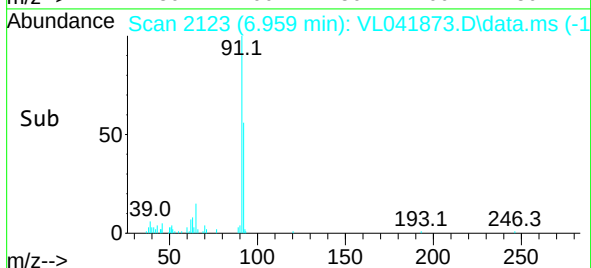
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

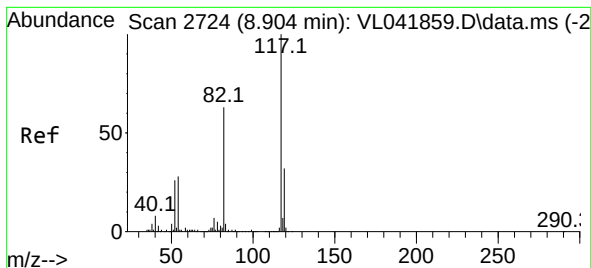


#53
Toluene
Concen: 0.280 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



Tgt Ion: 91 Resp: 13871
Ion Ratio Lower Upper
91 100
92 62.2 47.2 70.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

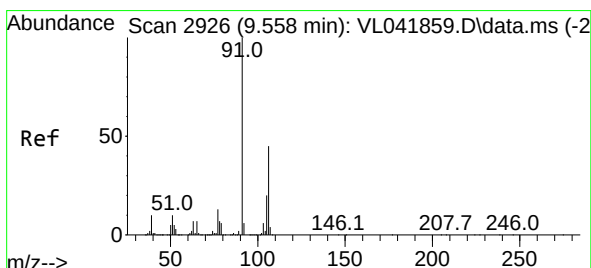
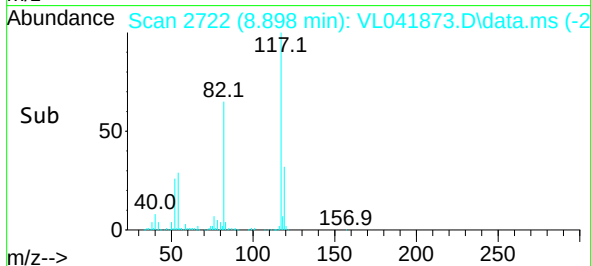
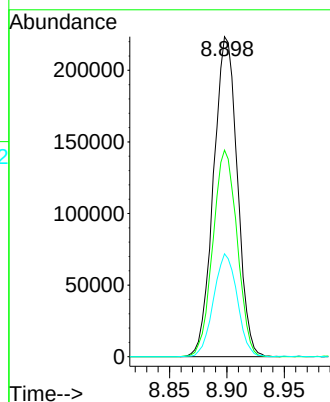
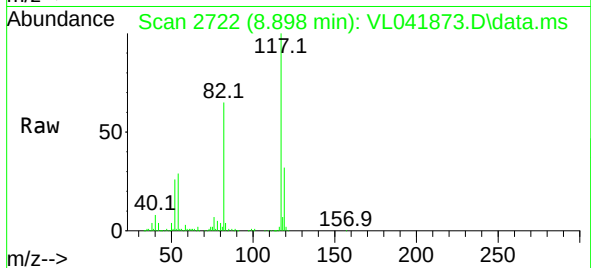
GARAGE

Tgt Ion:	117	Resp:	32246
Ion	Ratio	Lower	Upper
117	100		
82	65.6	54.5	81.7
119	32.1	24.6	37.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#59

m/p-Xylene

Concen: 0.172 ppbv

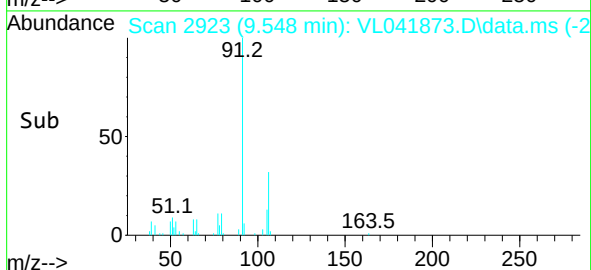
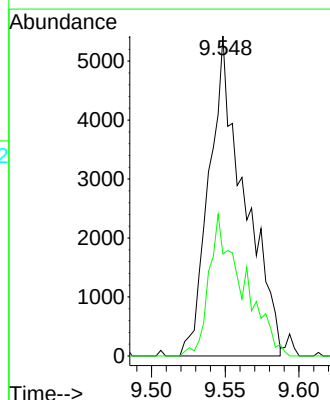
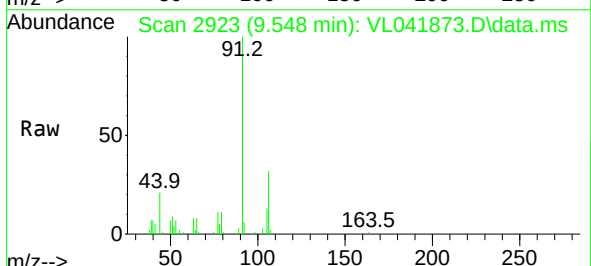
RT: 9.548 min Scan# 2923

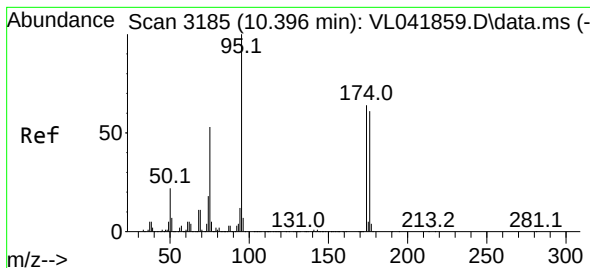
Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

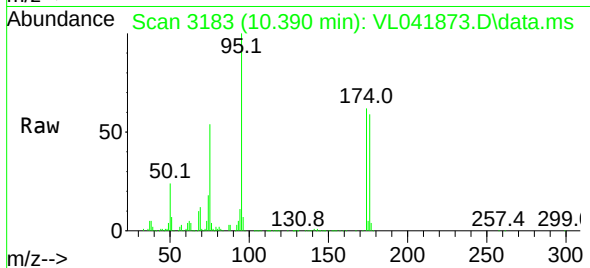
Tgt Ion:	91	Resp:	9007
Ion	Ratio	Lower	Upper
91	100		
106	42.4	0.0	0.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.027 ppbv
RT: 10.390 min Scan# 3185
Delta R.T. -0.007 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

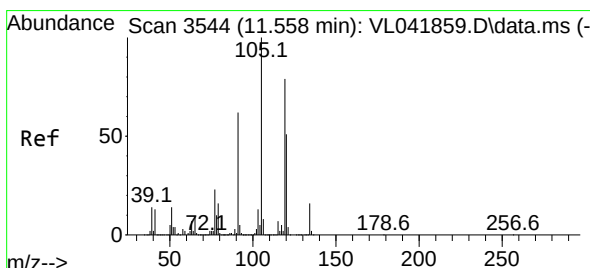
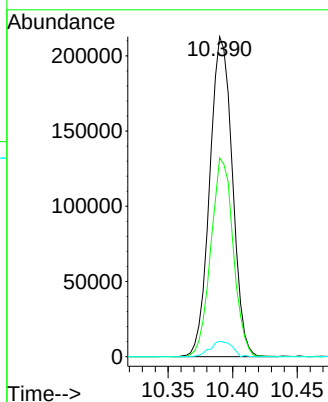
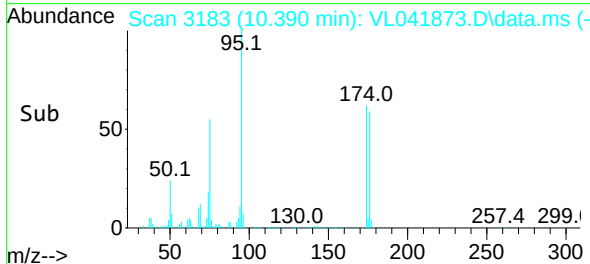
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



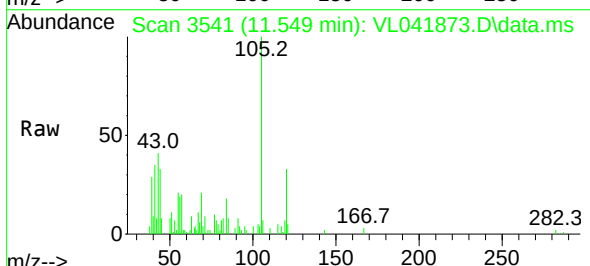
Tgt Ion: 95 Resp: 25925
Ion Ratio Lower Upper
95 100
174 61.4 51.1 76.7
175 4.7 3.8 5.8

Manual Integrations
APPROVED

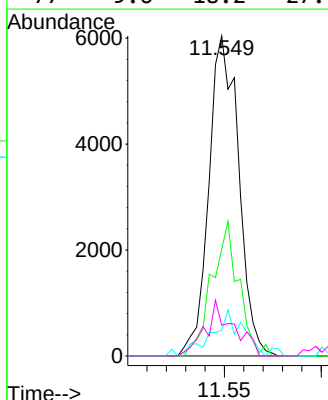
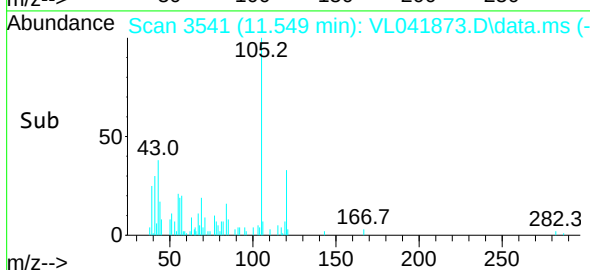
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.109 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



Tgt Ion:105 Resp: 6458
Ion Ratio Lower Upper
105 100
120 33.4 41.1 61.7#
91 8.0 50.0 75.0#
77 9.6 18.2 27.4#



Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	AMBIENT AIR	SDG No.:	Q1037
Lab Sample ID:	Q1037-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041874.D	1		01/09/25 19:43	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.46	2.27	J	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.48	0.99	J	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.25	1.40	J	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	1.80	4.28		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	1.20	4.17		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.070	0.44		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.13	0.42	J	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	AMBIENT AIR	SDG No.:	Q1037
Lab Sample ID:	Q1037-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041874.D	1		01/09/25 19:43	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.29	1.02	J	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	121000		2.8			
540-36-3	1,4-Difluorobenzene	358000		3.978			
3114-55-4	Chlorobenzene-d5	319000		8.898			

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	01/08/25
Project:	63 Richards Street Dover, NJ	Date Received:	01/08/25
Client Sample ID:	AMBIENT AIR	SDG No.:	Q1037
Lab Sample ID:	Q1037-03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041874.D	1		01/09/25 19:43	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041874.D
 Acq On : 09 Jan 2025 19:43
 Operator : SY/MD
 Sample : Q1037-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:46:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	120904	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	358423	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	318762	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	256988	10.054	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9059	0.456	ppbv #	81
3) Chlorodifluoromethane	1.480	51	8248	0.378	ppbv	96
4) Chloromethane	1.538	50	3678	0.477	ppbv #	88
9) Propene	1.492	41	3774m	0.371	ppbv	
11) Trichlorofluoromethane	1.884	101	5040	0.247	ppbv	99
13) Ethanol	1.729	45	43747	67.706	ppbv	85
15) Acetone	1.842	43	37181	1.823	ppbv	95
20) Methylene Chloride	2.069	84	8101	1.165	ppbv #	92
26) Hexane	2.842	57	6013	0.288	ppbv #	40
34) 2-Butanone	2.574	43	3248	0.109	ppbv	96
35) Carbon Tetrachloride	3.784	117	2021m	0.073	ppbv	
36) Benzene	3.671	78	5509	0.132	ppbv #	86

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

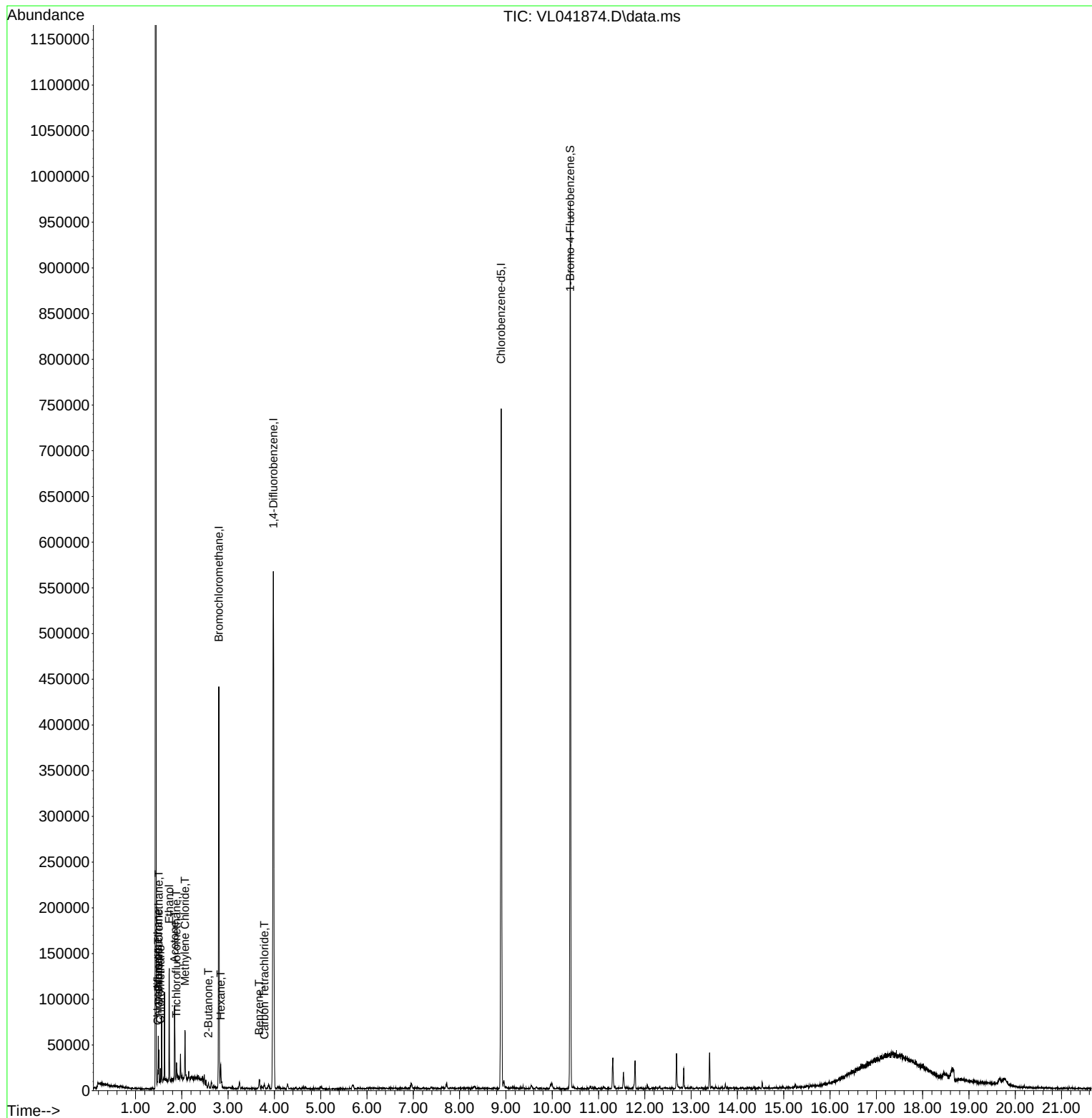
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Data File : VL041874.D
Acq On : 09 Jan 2025 19:43
Operator : SY/MD
Sample : Q1037-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

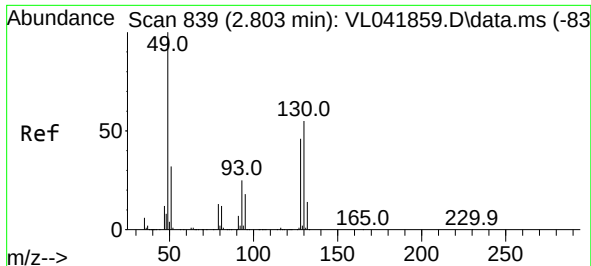
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

Quant Time: Jan 10 01:46:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

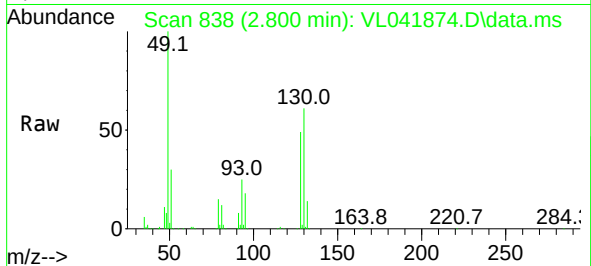
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

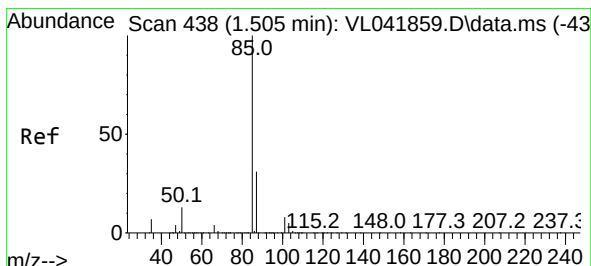
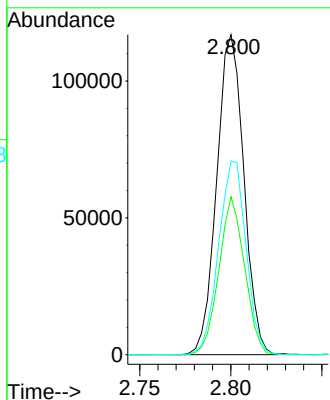
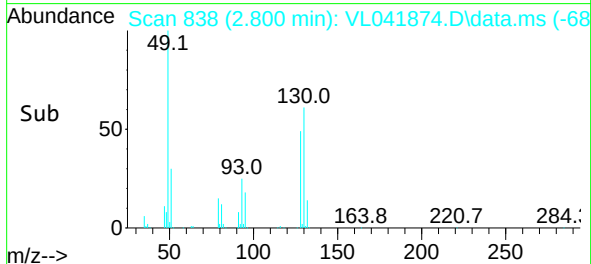
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR



Tgt Ion: 49 Resp: 120904
Ion Ratio Lower Upper
49 100
128 46.8 23.2 69.5
130 61.4 29.9 89.8

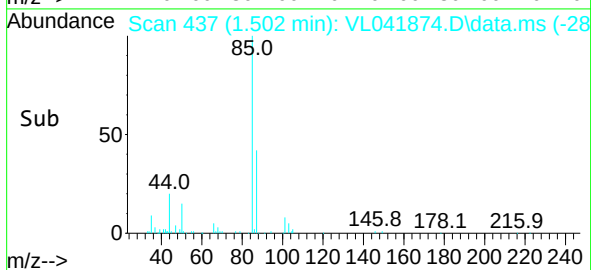
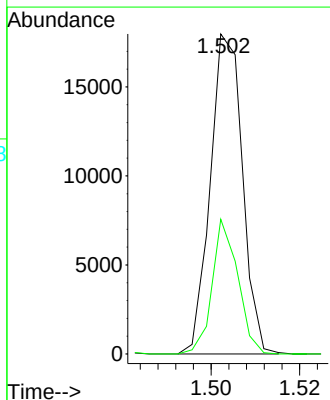
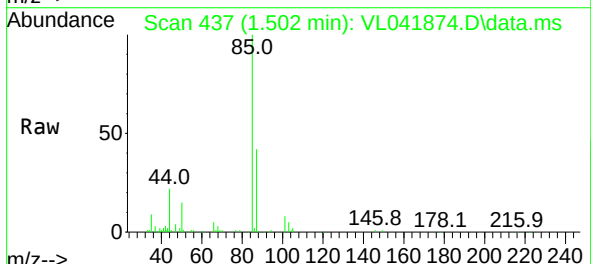
Manual Integrations
APPROVED

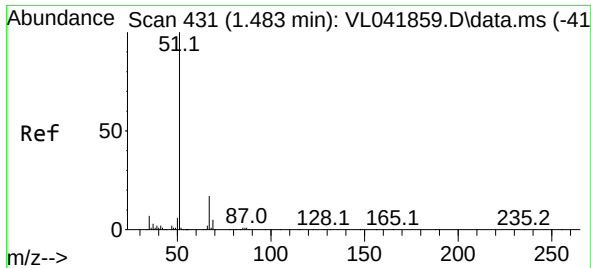
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

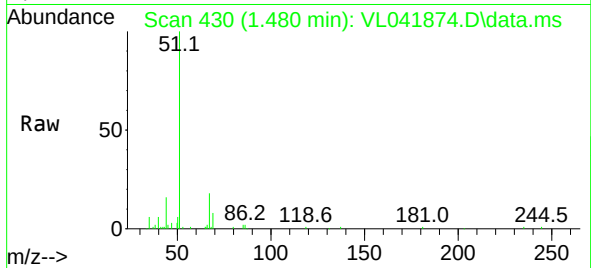
Tgt Ion: 85 Resp: 9059
Ion Ratio Lower Upper
85 100
87 42.1 25.2 37.8#





#3
Chlorodifluoromethane
Concen: 0.378 ppbv
RT: 1.480 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

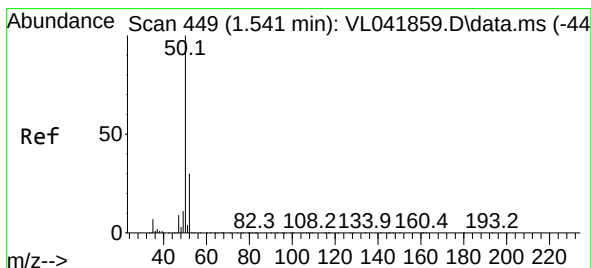
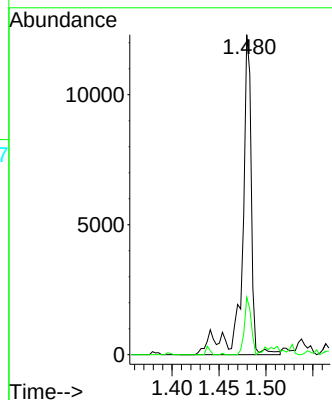
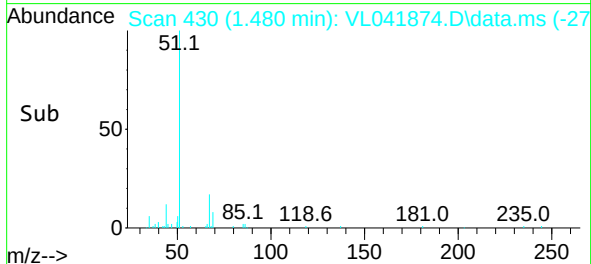
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR



Tgt Ion: 51 Resp: 8248
Ion Ratio Lower Upper
51 100
67 19.3 13.8 20.8

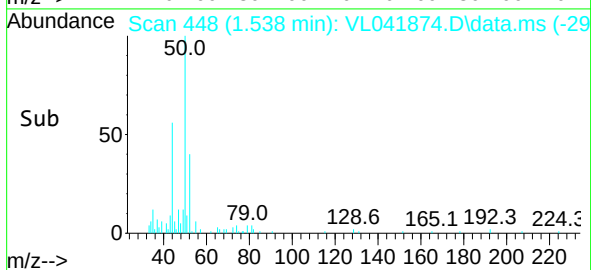
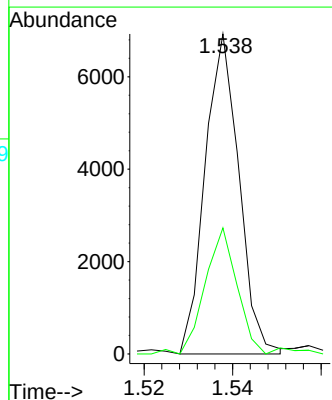
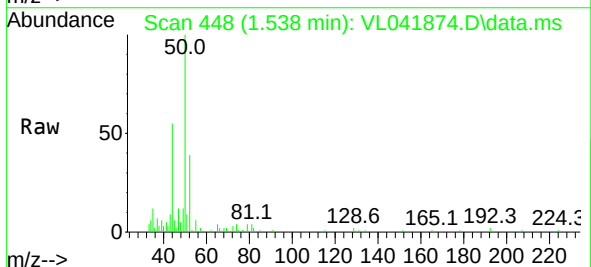
Manual Integrations
APPROVED

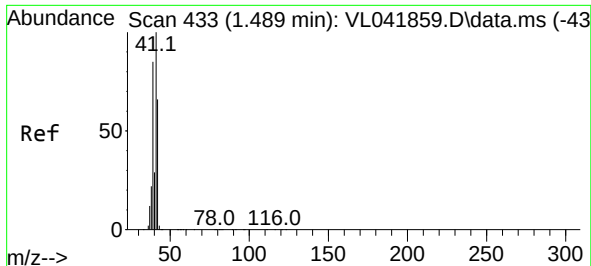
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#4
Chloromethane
Concen: 0.477 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

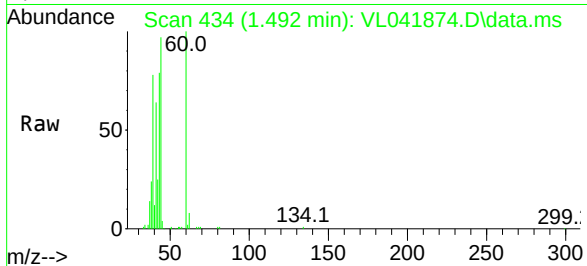
Tgt Ion: 50 Resp: 3678
Ion Ratio Lower Upper
50 100
52 36.3 23.9 35.9#





#9
 Propene
 Concen: 0.371 ppbv m
 RT: 1.492 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

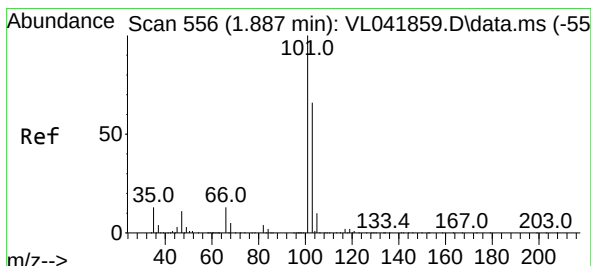
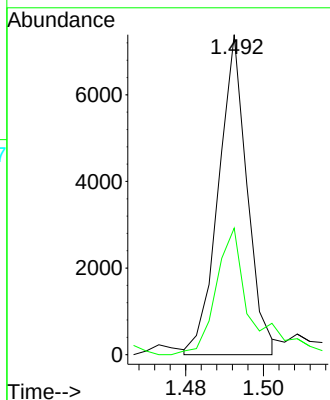
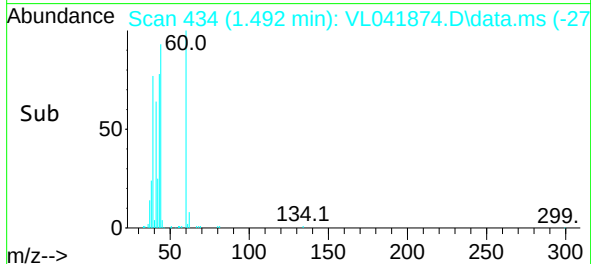
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR



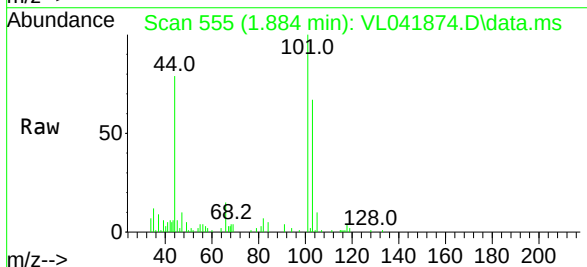
Tgt Ion: 41 Resp: 3774
 Ion Ratio Lower Upper
 41 100
 42 9.7 53.0 79.6

Manual Integrations
 APPROVED

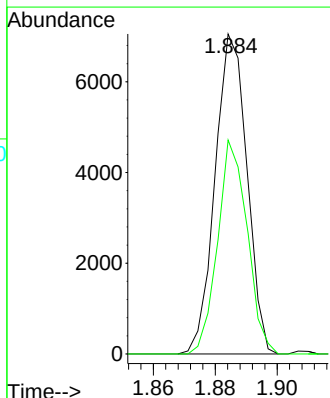
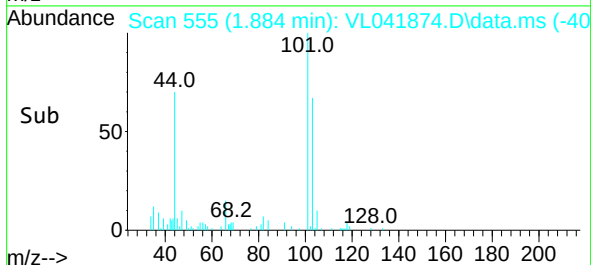
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

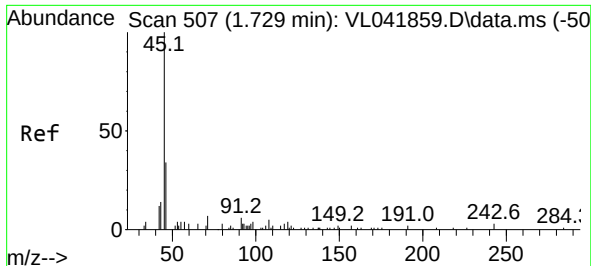


#11
 Trichlorofluoromethane
 Concen: 0.247 ppbv
 RT: 1.884 min Scan# 555
 Delta R.T. -0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43



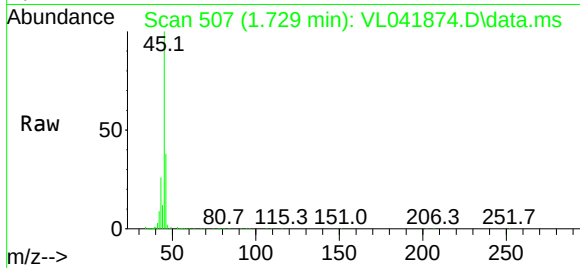
Tgt Ion:101 Resp: 5040
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.6 78.8





#13
Ethanol
Concen: 67.706 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

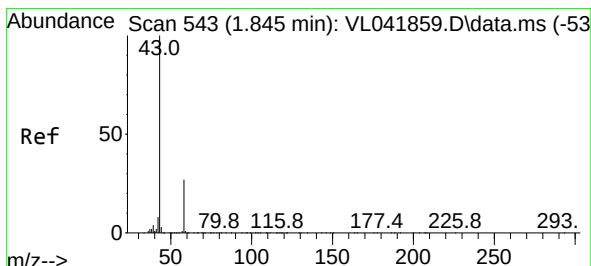
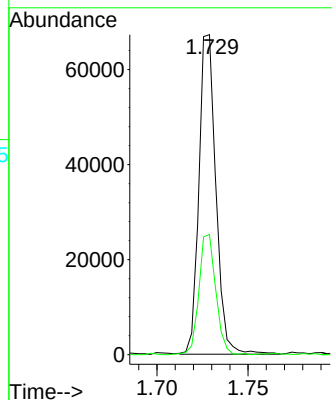
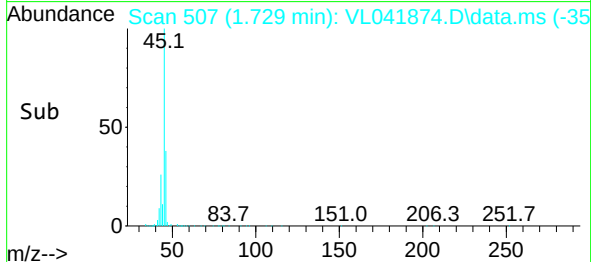
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR



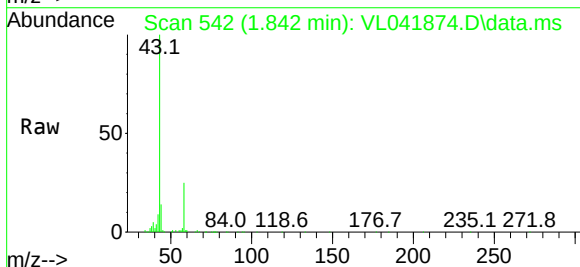
Tgt Ion: 45 Resp: 4374
Ion Ratio Lower Upper
45 100
46 37.5 19.0 76.0

Manual Integrations
APPROVED

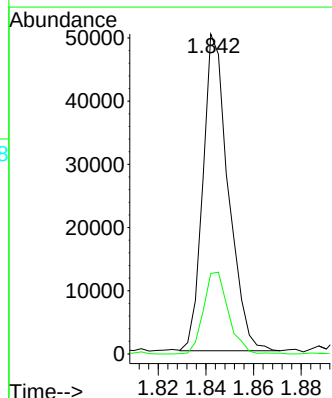
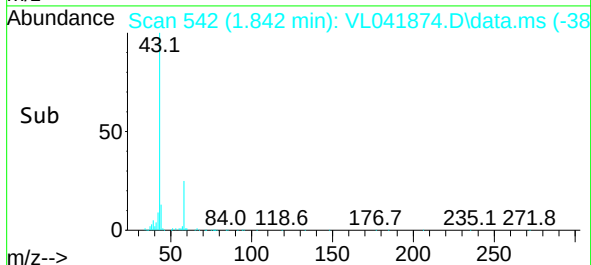
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

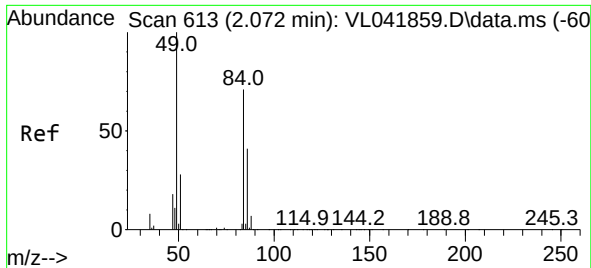


#15
Acetone
Concen: 1.823 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43



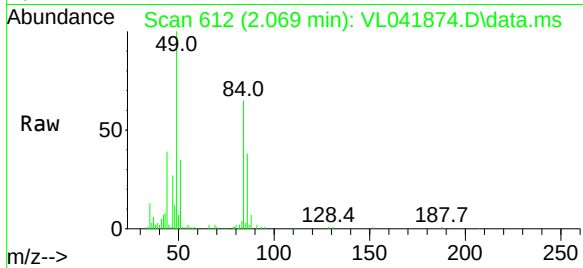
Tgt Ion: 43 Resp: 37181
Ion Ratio Lower Upper
43 100
58 25.8 22.7 34.1





#20
Methylene Chloride
Concen: 1.165 ppbv
RT: 2.069 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

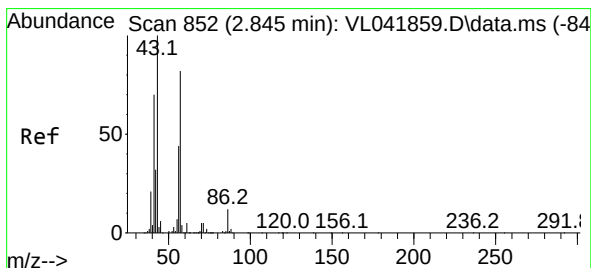
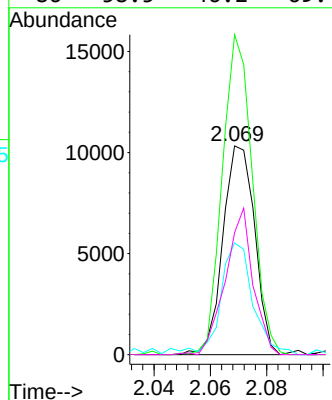
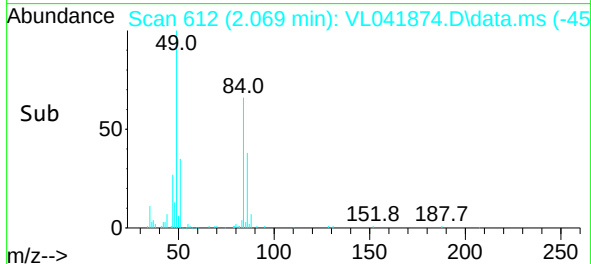
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR



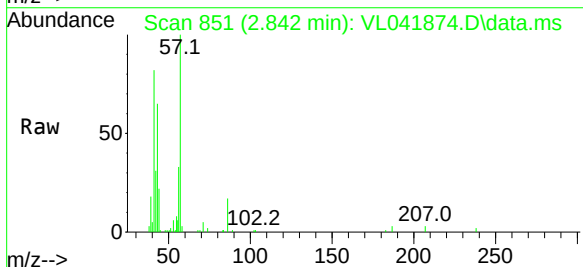
Tgt Ion: 84 Resp: 810
Ion Ratio Lower Upper
84 100
49 152.6 113.8 170.8
51 51.7 33.5 50.3
86 58.5 46.2 69.4

Manual Integrations
APPROVED

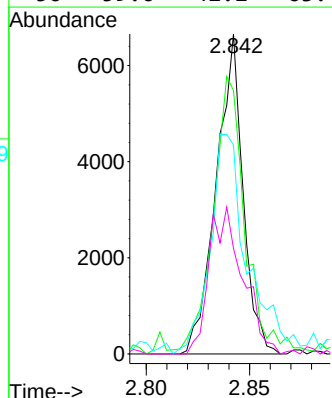
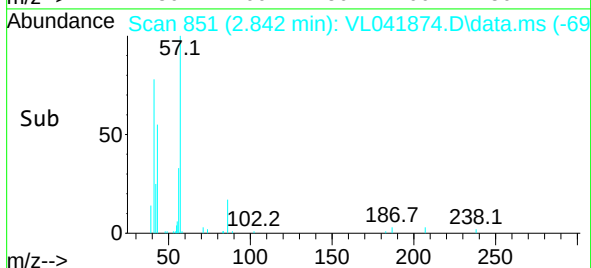
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

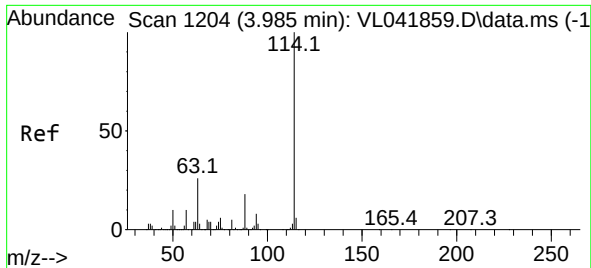


#26
Hexane
Concen: 0.288 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43



Tgt Ion: 57 Resp: 6013
Ion Ratio Lower Upper
57 100
41 107.1 71.5 107.3
43 102.1 200.2 300.4
56 59.6 42.2 63.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT AIR

Tgt Ion:114 Resp: 35842

Ion Ratio Lower Upper

114 100

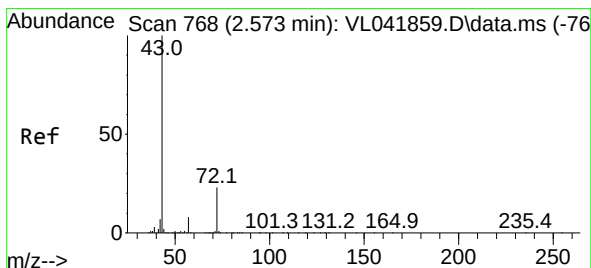
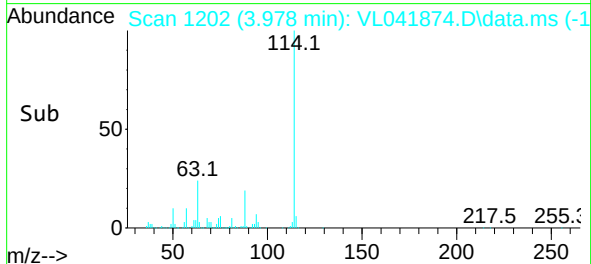
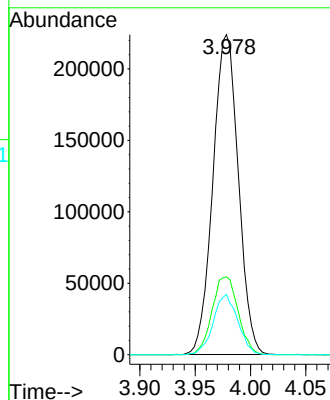
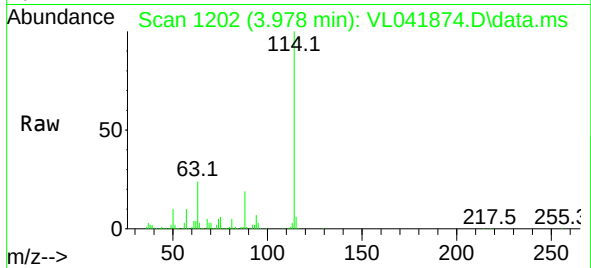
63 24.9 20.3 30.5

88 18.2 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 0.109 ppbv

RT: 2.574 min Scan# 768

Delta R.T. 0.000 min

Lab File: VL041874.D

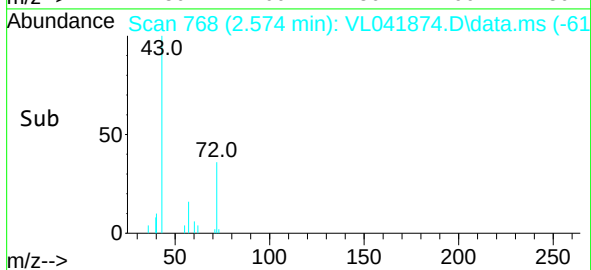
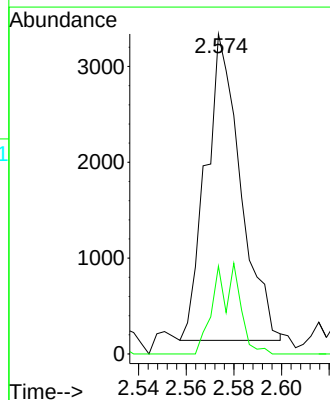
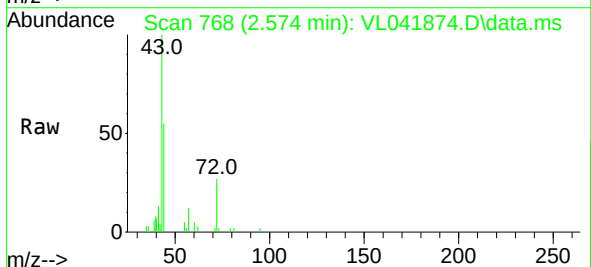
Acq: 09 Jan 2025 19:43

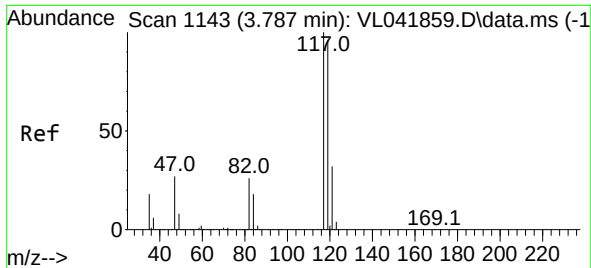
Tgt Ion: 43 Resp: 3248

Ion Ratio Lower Upper

43 100

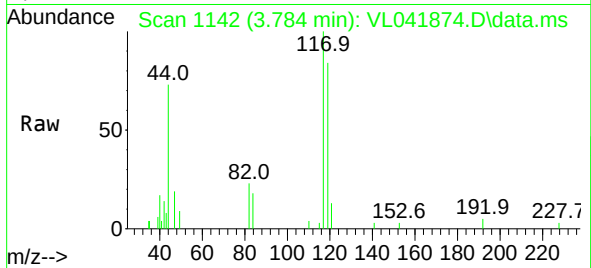
72 21.3 18.5 27.7





#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.784 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

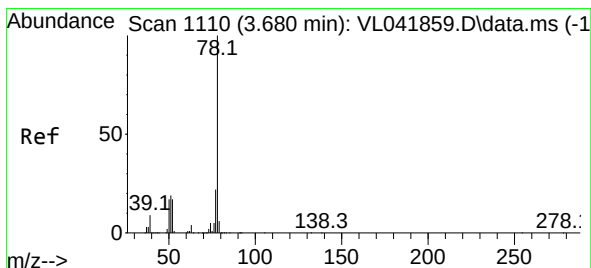
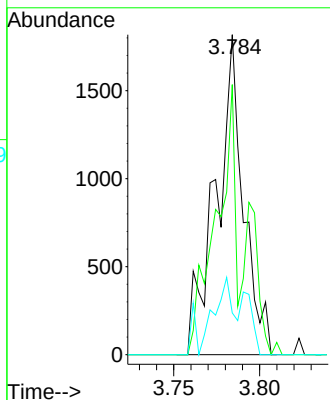
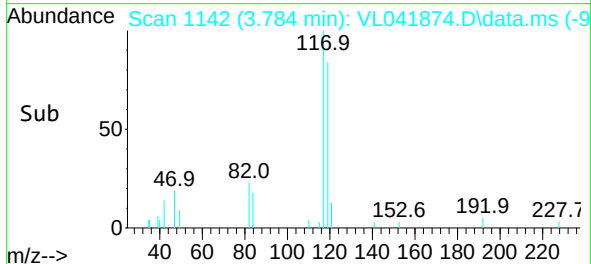
Instrument : MSVOA_L
ClientSampleId : AMBIENT AIR



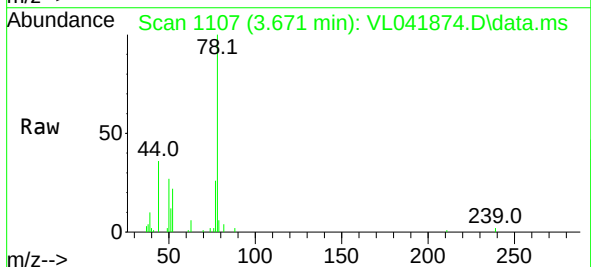
Tgt Ion: 117 Resp: 202
Ion Ratio Lower Upper
117 100
119 84.4 76.9 115.3
121 13.0 25.9 38.9

Manual Integrations
APPROVED

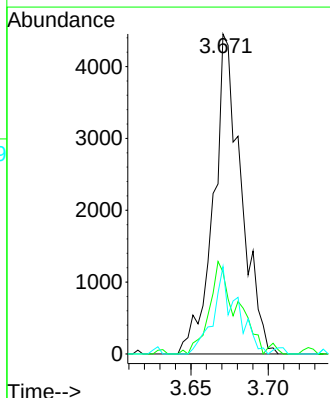
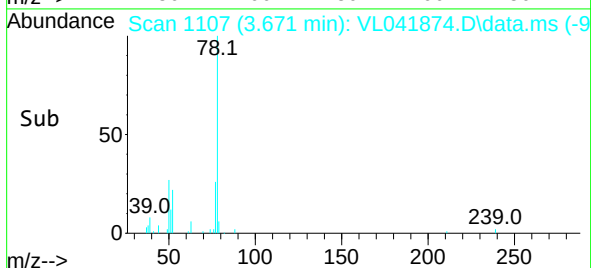
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

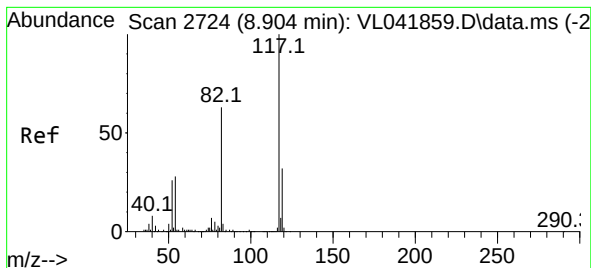


#36
Benzene
Concen: 0.132 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. -0.010 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43



Tgt Ion: 78 Resp: 5509
Ion Ratio Lower Upper
78 100
77 25.6 17.9 26.9
50 27.3 13.7 20.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT AIR

Tgt Ion:117 Resp: 318762

Ion Ratio Lower Upper

117 100

82 64.6 54.5 81.7

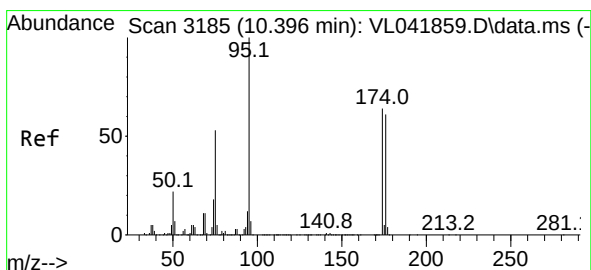
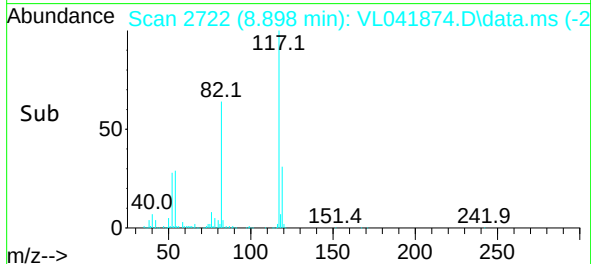
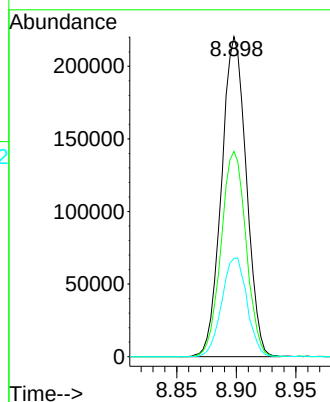
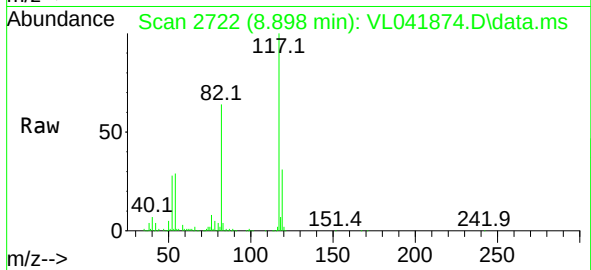
119 31.6 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.054 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

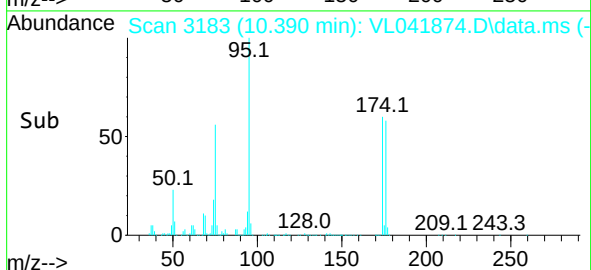
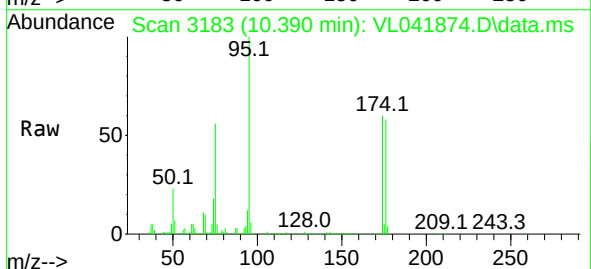
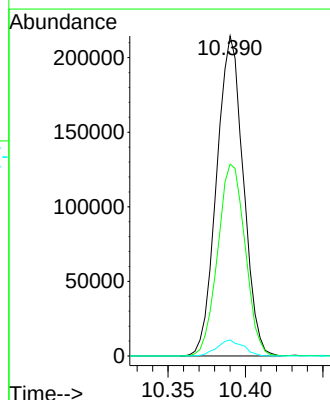
Tgt Ion: 95 Resp: 256988

Ion Ratio Lower Upper

95 100

174 61.7 51.1 76.7

175 4.9 3.8 5.8





CALIBRATION SUMMARY

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL010925AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Fri Jan 10 00:31:30 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL041864.D 0.1 =VL041863.D 0.5 =VL041862.D 1 =VL041861.D 2 =VL041860.D 10 =VL041859.D 15 =VL041865.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.790	1.746	1.644	1.508	1.521	1.642	7.77
3) Chlorodifluoro...			1.980	1.875	1.875	1.648	1.638	1.803	8.46
4) Chloromethane			0.661	0.675	0.683	0.571	0.601	0.638	7.73
5) T Vinyl Chloride	0.889	0.745	0.671	0.653	0.628	0.576	0.589	0.679	15.97
6) T Bromomethane			0.390	0.315	0.337	0.265	0.293	0.320	14.78
7) Chloroethane			0.288	0.282	0.273	0.229	0.243	0.263	9.74
8) T Dichlorotetra...			1.495	1.443	1.541	1.306	1.353	1.427	6.83
9) T Propene			0.941	0.917	0.856	0.747	0.747	0.841	10.88
10) T Heptane			2.468	2.322	2.271	2.021	2.012	2.219	8.94
11) T Trichlorofluor...			1.818	1.734	1.794	1.485	1.607	1.687	8.28
12) T 1,1,2-Trichlor...			1.480	1.405	1.442	1.207	1.291	1.365	8.30
13) Ethanol			0.074	0.060	0.062	0.035	0.036	0.053	32.34
14) T Bromoethene			0.534	0.482	0.522	0.437	0.468	0.489	8.15
15) T Acetone			2.132	1.970	1.818	1.220	1.293	1.687	24.25
16) T 1,3-Butadiene			0.982	0.742	0.710	0.574	0.615	0.724	21.97
17) tert-Butyl alc...			2.095	2.023	1.995	1.708	1.746	1.914	9.12
18) T 1,1-Dichloroet...			0.682	0.661	0.624	0.543	0.579	0.618	9.30
19) T Isopropyl Alcohol			1.049	0.974	0.894	0.737	0.778	0.886	14.74
20) T Methylene Chlo...			0.678	0.650	0.589	0.477	0.484	0.575	16.11
21) T Allyl Chloride			1.212	1.123	1.113	0.944	1.004	1.079	9.82
22) T trans-1,2-Dich...			0.787	0.768	0.751	0.614	0.657	0.715	10.60
23) T Vinyl Acetate			0.747	0.813	1.062	0.813	0.838	0.855	14.14
24) T 1,1-Dichloroet...			1.483	1.447	1.407	1.182	1.256	1.355	9.58
25) T Ethyl Acetate			4.395	4.387	4.334	3.930	3.909	4.191	5.94
26) T Hexane			1.880	1.798	1.796	1.575	1.572	1.724	8.22
27) T Carbon Disulfide			1.742	1.682	1.729	1.513	1.590	1.651	5.91
28) T Methyl tert-Bu...			1.432	1.348	1.504	1.137	1.158	1.316	12.43
29) T Chloroform			2.559	2.541	2.571	2.188	2.203	2.412	8.23
30) T Cyclohexane			1.544	1.520	1.599	1.364	1.377	1.481	7.06
31) T cis-1,2-Dichlo...			1.823	1.793	1.721	1.538	1.550	1.685	7.96
32) T 1,1,1-Trichlor...	2.446	2.507	2.490	2.394	2.480	2.189	2.268	2.396	5.11

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.886	0.861	0.893	0.753	0.764	0.831	8.15
35) T Carbon Tetrach...	0.939	0.734	0.733	0.762	0.786	0.732	0.754	0.777	9.52
36) T Benzene			1.194	1.211	1.210	1.099	1.086	1.160	5.35
37) T 1,2-Dichloroet...			0.672	0.606	0.622	0.564	0.579	0.609	6.91
38) T Trichloroethene	0.413	0.496	0.499	0.472	0.470	0.425	0.430	0.458	7.65
39) T 1,2-Dichloropr...			0.437	0.422	0.427	0.387	0.390	0.413	5.47

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\ Method File : VL010925AIR.M										
40)	T	1,4-Dioxane		0.231	0.212	0.214	0.189	0.192	0.208	8.33
41)	T	Tetrahydrofuran		0.531	0.502	0.506	0.454	0.448	0.488	7.33
42)	T	Bromodichlorom...		0.839	0.853	0.856	0.804	0.829	0.836	2.53
43)		Methyl Methacr...		0.511	0.483	0.478	0.451	0.452	0.475	5.22
44)	T	2,2,4-Trimethy...		2.057	2.049	2.044	1.829	1.820	1.960	6.32
45)	T	t-1,3-Dichloro...		0.494	0.491	0.492	0.479	0.475	0.486	1.78
46)	T	cis-1,3-Dichlo...		0.641	0.640	0.625	0.608	0.606	0.624	2.66
47)	T	1,1,2-Trichlor...		0.460	0.452	0.447	0.399	0.413	0.434	6.15
48)	T	Dibromochlorom...		0.637	0.634	0.696	0.656	0.669	0.658	3.85
49)	T	Bromoform		0.522	0.565	0.610	0.583	0.594	0.575	5.86
50)	T	4-Methyl-2-Pen...		1.246	1.237	1.228	1.108	1.113	1.186	5.89
51)	T	2-Hexanone		1.034	0.993	1.031	0.909	0.912	0.976	6.32
52)	T	Tetrachloroethene	0.547 0.499	0.445	0.430	0.428	0.381	0.382	0.444	13.64
53)	T	Toluene		1.443	1.434	1.422	1.297	1.303	1.380	5.30
54)	T	1,2-Dibromoethane	0.550	0.619	0.616	0.619	0.562	0.577	0.590	5.33
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.619	0.615	0.638	0.547	0.561	0.596	6.69
57)	T	Chlorobenzene		1.171	1.197	1.171	1.016	1.019	1.115	8.03
58)	T	Ethyl Benzene		2.107	2.147	2.215	1.907	1.904	2.056	6.94
59)	T	m/p-Xylene		1.679	1.715	1.735	1.486	1.509	1.625	7.27
60)	T	o-Xylene		1.713	1.709	1.728	1.474	1.480	1.621	8.10
61)	T	Styrene		0.846	0.815	0.858	0.769	0.759	0.809	5.46
62)		Isopropylbenzene		2.546	2.578	2.649	2.231	2.196	2.440	8.63
63)	T	1,1,2,2-Tetrac...	0.917 1.102	1.015	0.991	1.032	0.883	0.874	0.973	8.74
64)		n-propylbenzene		0.672	0.675	0.684	0.573	0.576	0.636	8.85
65)		tert-Butylbenzene		2.320	2.413	2.449	1.954	1.906	2.208	11.74
66)	T	Benzyl Chloride		0.245	0.232	0.253	0.215	0.199	0.229	9.56
67)		sec-Butylbenzene		3.272	3.300	3.369	2.680	2.593	3.043	12.29
68)	S	1-Bromo-4-Fluo...	0.806 0.797	0.806	0.803	0.809	0.801	0.791	0.802	0.78
69)		p-Isopropyltol...		2.708	2.843	2.861	2.321	2.250	2.597	11.21
70)		n-Butylbenzene		2.797	2.833	2.871	2.307	2.223	2.606	12.05
71)		2-Chlorotoluene		2.019	2.016	2.016	1.707	1.688	1.889	9.28
72)	T	4-Ethyltoluene		2.031	2.130	2.181	1.817	1.777	1.987	9.18
73)	T	1,3,5-Trimethy...		1.730	1.818	1.830	1.532	1.525	1.687	8.88
74)	T	1,2,4-Trimethy...		1.908	2.001	2.042	1.617	1.595	1.833	11.62
75)	T	1,3-Dichlorobe...		1.190	1.177	1.191	0.966	0.969	1.099	10.91
76)	T	1,4-Dichlorobe...		1.170	1.148	1.185	0.966	0.969	1.088	10.15
77)	T	1,2-Dichlorobe...		1.124	1.117	1.122	0.915	0.915	1.039	10.87
78)	T	Hexachloro-1,3...		0.999	1.015	1.009	0.714	0.725	0.893	17.71
79)	T	Naphthalene	2.105	2.131	2.188	2.263	1.580	1.579	1.974	15.75
80)	T	Naphthalene,2-...		1.184	1.261	1.336	0.763	0.780	1.065	25.66
81)	T	1,2,4-Trichlor...		1.006	1.081	1.081	0.764	0.768	0.940	17.19

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041859.D
 Acq On : 09 Jan 2025 11:19
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 11:50:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	150033	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.985	114	442867	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	410499	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 328846 9.353 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	226313	9.193	ppbv	99
3) Chlorodifluoromethane	1.483	51	247276	10.513	ppbv	98
4) Chloromethane	1.541	50	85664	8.462	ppbv	95
5) Vinyl Chloride	1.586	62	86352	8.457	ppbv	98
6) Bromomethane	1.677	94	39829	9.107	ppbv	96
7) Chloroethane	1.713	64	34351	8.740	ppbv	94
8) Dichlorotetrafluoroethane	1.560	85	195898	9.224	ppbv	93
9) Propene	1.489	41	112124	13.692	ppbv	98
10) Heptane	5.014	43	303272	14.992	ppbv	95
11) Trichlorofluoromethane	1.887	101	222752	8.899	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.153	101	181116	9.715	ppbv	90
13) Ethanol	1.729	45	5261m	5.647	ppbv	
14) Bromoethene	1.790	108	65566	10.743	ppbv	96
15) Acetone	1.845	43	183039	6.626	ppbv	94
16) 1,3-Butadiene	1.615	39	86059	7.945	ppbv	94
17) tert-Butyl alcohol	2.052	59	256303	10.708	ppbv	99
18) 1,1-Dichloroethene	2.046	96	81423	10.432	ppbv	89
19) Isopropyl Alcohol	1.897	45	110578	8.528	ppbv #	1
20) Methylene Chloride	2.072	84	71501	9.055	ppbv #	81
21) Allyl Chloride	2.107	41	141576	9.950	ppbv	90
22) trans-1,2-Dichloroethene	2.353	96	92062	10.553	ppbv	93
23) Vinyl Acetate	2.480	43	121914	13.762	ppbv #	92
24) 1,1-Dichloroethane	2.425	63	177291	9.286	ppbv	100
25) Ethyl Acetate	2.855	43	589565	12.728	ppbv	98
26) Hexane	2.845	57	236237	14.695	ppbv	88
27) Carbon Disulfide	2.162	76	226986	14.877	ppbv #	88
28) Methyl tert-Butyl Ether	2.457	73	170565	14.077	ppbv	98
29) Chloroform	2.868	83	328206	10.989	ppbv	97
30) Cyclohexane	3.884	84	204595	16.773	ppbv #	89
31) cis-1,2-Dichloroethene	2.739	61	230732	13.944	ppbv	92
32) 1,1,1-Trichloroethane	3.392	97	328356	12.132	ppbv	94
34) 2-Butanone	2.573	43	333402	9.557	ppbv	95
35) Carbon Tetrachloride	3.787	117	324320	9.690	ppbv	97
36) Benzene	3.680	78	486852	11.507	ppbv #	95
37) 1,2-Dichloroethane	3.240	62	249944	8.987	ppbv	97
38) Trichloroethene	4.577	130	188346	11.357	ppbv	95
39) 1,2-Dichloropropane	4.344	63	171561	10.483	ppbv #	84
40) 1,4-Dioxane	4.616	88	83645	13.190	ppbv #	66
41) Tetrahydrofuran	3.075	42	201204	12.236	ppbv	93
42) Bromodichloromethane	4.522	83	355888	10.910	ppbv	97
43) Methyl Methacrylate	4.914	69	199710	15.032	ppbv	87
44) 2,2,4-Trimethylpentane	4.674	57	809851	11.618	ppbv	93
45) t-1,3-Dichloropropene	6.454	75	212343	16.371	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041859.D
 Acq On : 09 Jan 2025 11:19
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 11:50:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

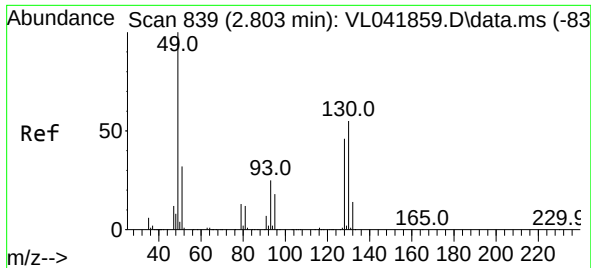
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

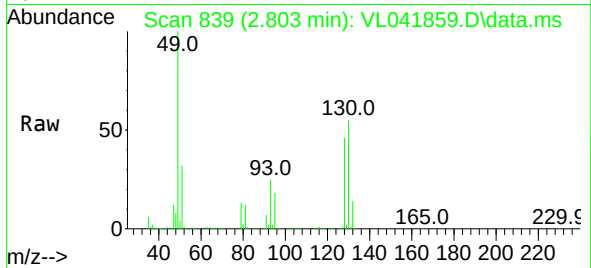
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.639	75	269395	15.788	ppbv	87
47) 1,1,2-Trichloroethane	6.619	97	176811	10.214	ppbv	97
48) Dibromochloromethane	7.419	129	290737	13.195	ppbv	99
49) Bromoform	9.506	173	257972	14.609	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	490478	12.169	ppbv	92
51) 2-Hexanone	7.467	43	402499	13.184	ppbv #	88
52) Tetrachloroethene	8.251	164	168568	13.435	ppbv	96
53) Toluene	6.969	91	574578	15.242	ppbv	99
54) 1,2-Dibromoethane	7.681	107	248821	11.739	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	224424	9.592	ppbv	99
57) Chlorobenzene	8.946	112	417085	9.725	ppbv	96
58) Ethyl Benzene	9.380	91	782806	13.992	ppbv	99
59) m/p-Xylene	9.558	91	1220366m	24.712	ppbv	
60) o-Xylene	9.985	91	605176	12.598	ppbv	99
61) Styrene	9.895	104	315614	16.935	ppbv	97
62) Isopropylbenzene	10.561	105	915687	12.133	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.985	83	362310	8.601	ppbv	100
64) n-propylbenzene	11.011	120	235202	12.147	ppbv	98
65) tert-Butylbenzene	11.552	119	801987	11.792	ppbv	96
66) Benzyl Chloride	11.636	91	88168	15.512	ppbv	95
67) sec-Butylbenzene	11.788	105	1100240	11.087	ppbv	98
69) p-Isopropyltoluene	11.947	119	952865	12.230	ppbv	97
70) n-Butylbenzene	12.300	91	946867	12.097	ppbv	98
71) 2-Chlorotoluene	10.921	91	700520	12.787	ppbv	100
72) 4-Ethyltoluene	11.144	105	745709	12.837	ppbv	99
73) 1,3,5-Trimethylbenzene	11.225	105	628921	12.361	ppbv	97
74) 1,2,4-Trimethylbenzene	11.558	105	663696	11.261	ppbv	95
75) 1,3-Dichlorobenzene	11.626	146	396672	10.056	ppbv	98
76) 1,4-Dichlorobenzene	11.691	146	396593	10.448	ppbv	97
77) 1,2-Dichlorobenzene	11.966	146	375622	9.138	ppbv	99
78) Hexachloro-1,3-Butadiene	13.902	225	293286	10.050	ppbv	100
79) Naphthalene	13.533	128	648444	14.936	ppbv	99
80) Naphthalene,2-methyl-	14.478	142	313133	19.488	ppbv	97
81) 1,2,4-Trichlorobenzene	13.458	180	313601	13.033	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

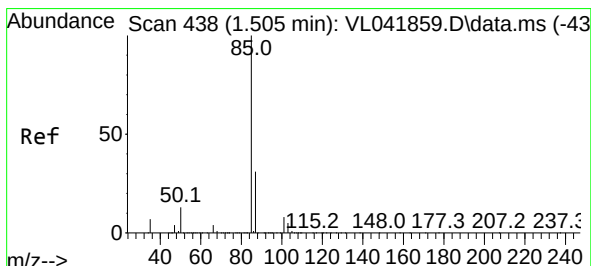
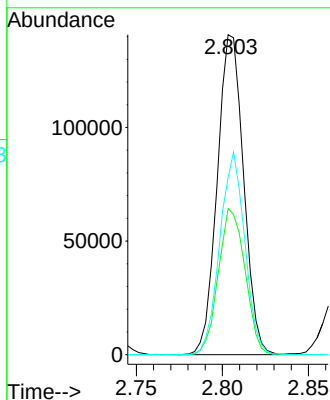
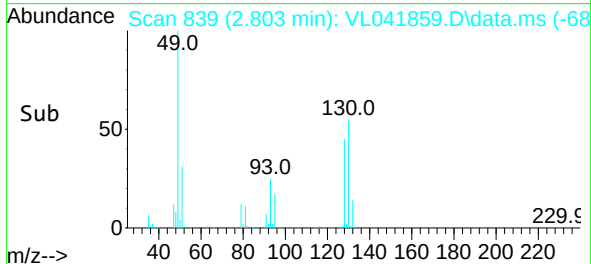
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 49 Resp: 150031
Ion Ratio Lower Upper
49 100
128 46.3 19.7 59.1
130 59.9 26.4 79.2

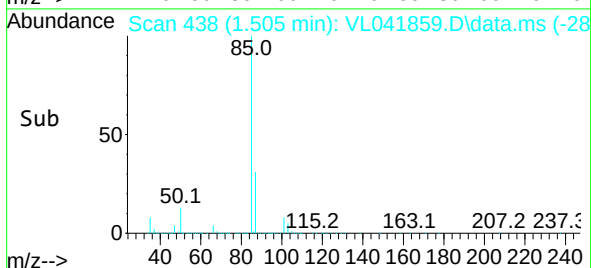
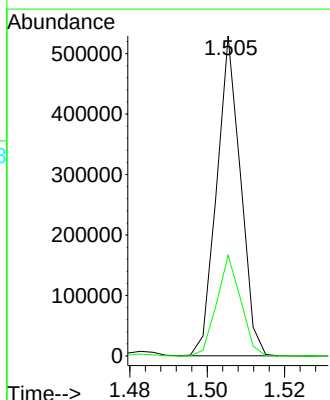
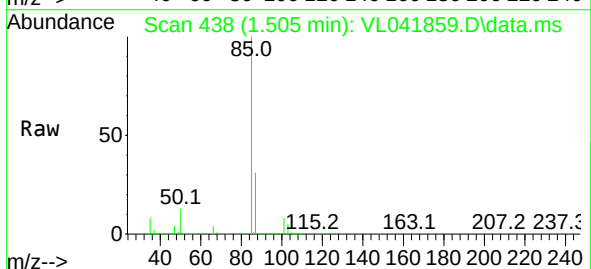
Manual Integrations
APPROVED

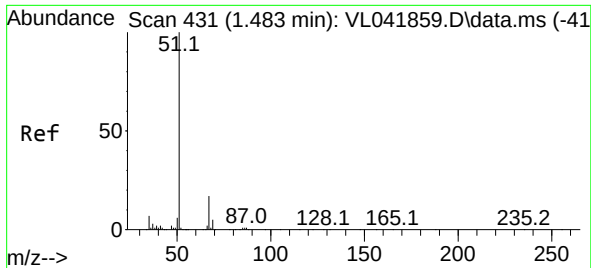
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 9.193 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

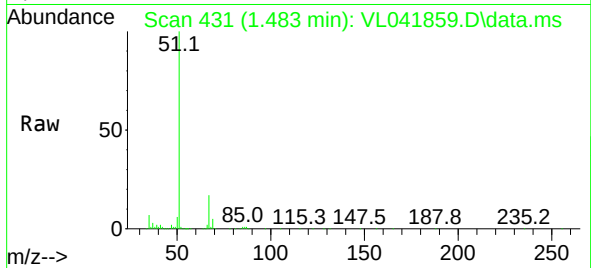
Tgt Ion: 85 Resp: 226313
Ion Ratio Lower Upper
85 100
87 31.5 25.6 38.4





#3
Chlorodifluoromethane
Concen: 10.513 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

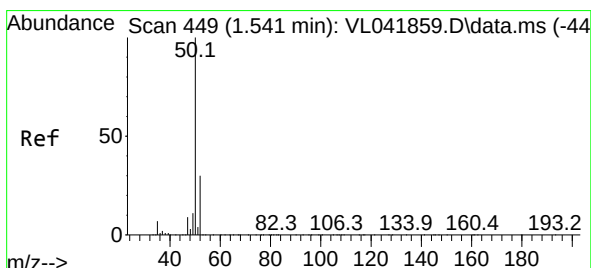
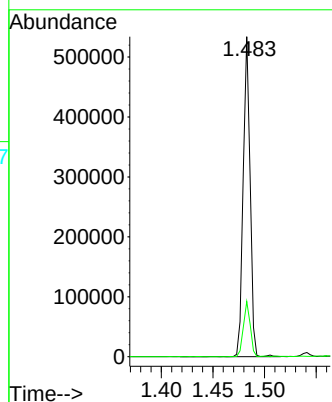
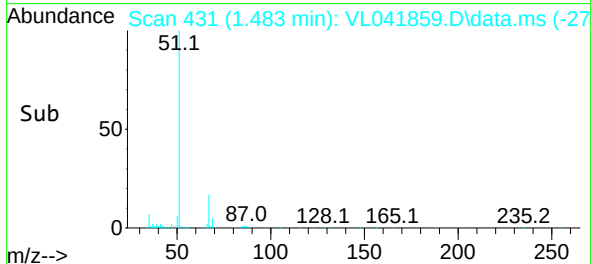
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ClientSampleId :
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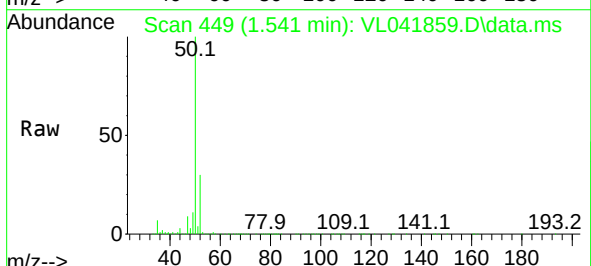
Tgt Ion: 51 Resp: 247270
Ion Ratio Lower Upper
51 100
67 17.3 14.6 22.0

Manual Integrations
APPROVED

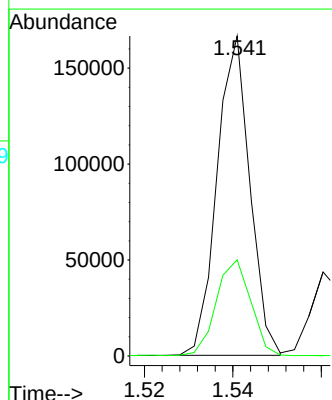
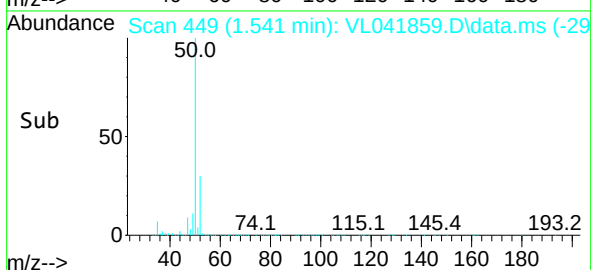
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

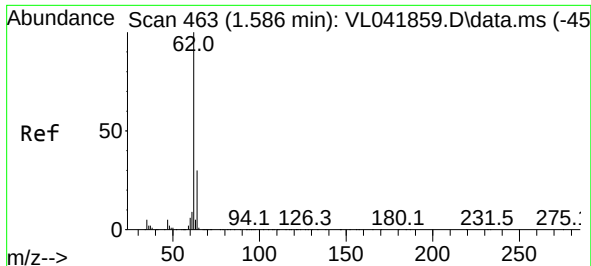


#4
Chloromethane
Concen: 8.462 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion: 50 Resp: 85664
Ion Ratio Lower Upper
50 100
52 29.9 26.1 39.1





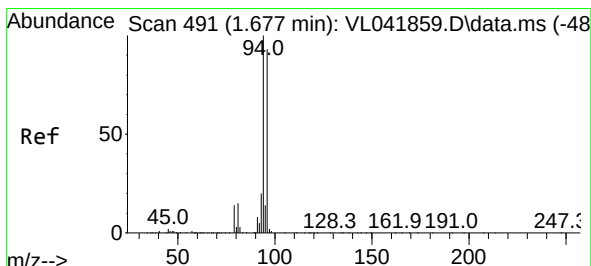
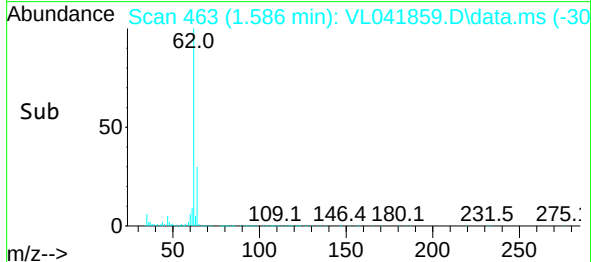
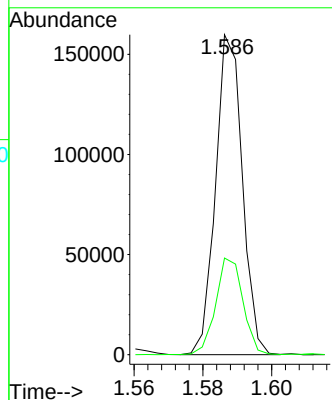
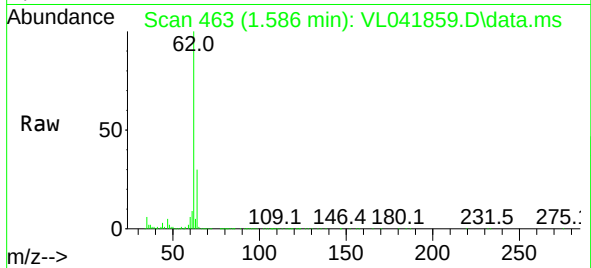
#5
 Vinyl Chloride
 Concen: 8.457 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 86352
 Ion Ratio Lower Upper
 62 100
 64 30.1 24.9 37.3

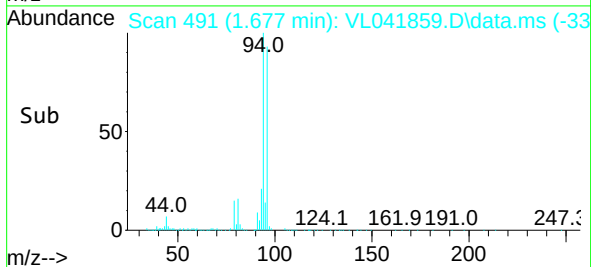
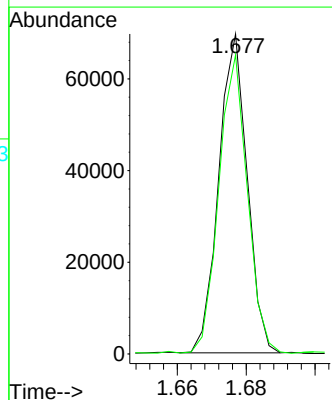
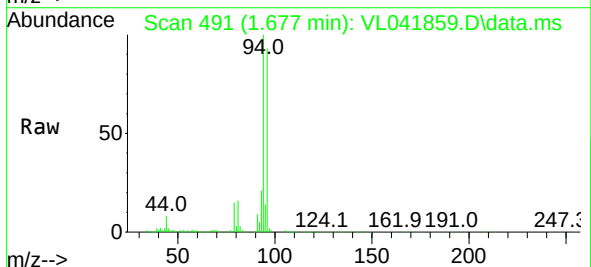
Manual Integrations
 APPROVED

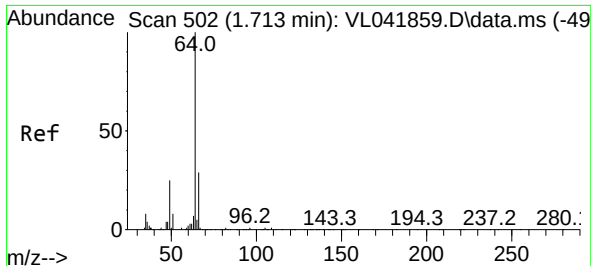
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#6
 Bromomethane
 Concen: 9.107 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.003 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

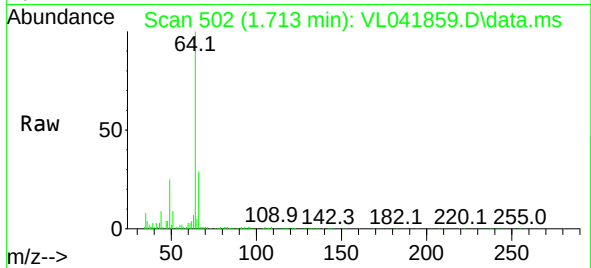
Tgt Ion: 94 Resp: 39829
 Ion Ratio Lower Upper
 94 100
 96 93.5 72.0 108.0





#7
Chloroethane
Concen: 8.740 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

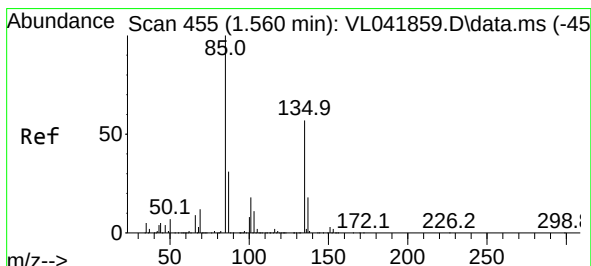
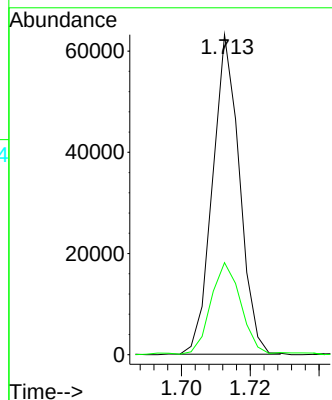
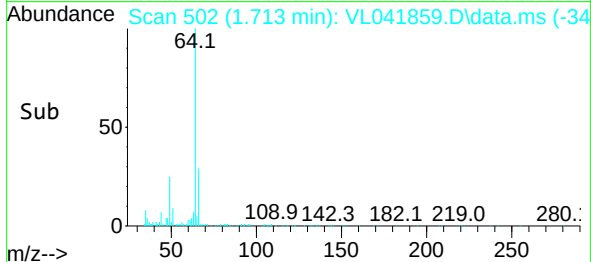
Instrument :
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ClientSampleId :
VSTDICCC010



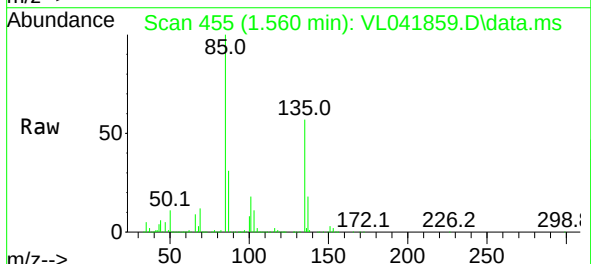
Tgt Ion: 64 Resp: 3435
Ion Ratio Lower Upper
64 100
66 28.8 25.6 38.4

Manual Integrations
APPROVED

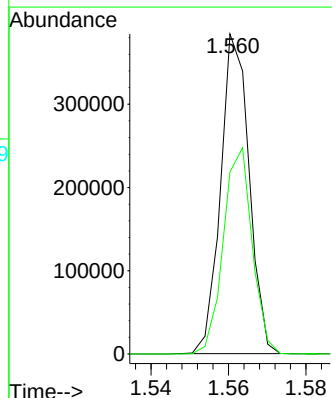
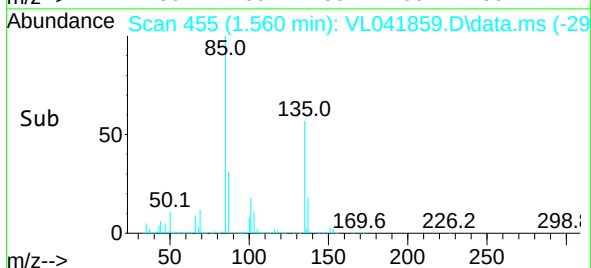
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

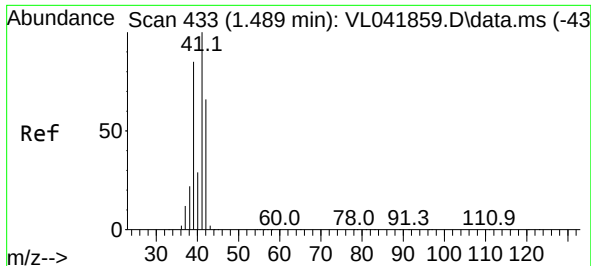


#8
Dichlorotetrafluoroethane
Concen: 9.224 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



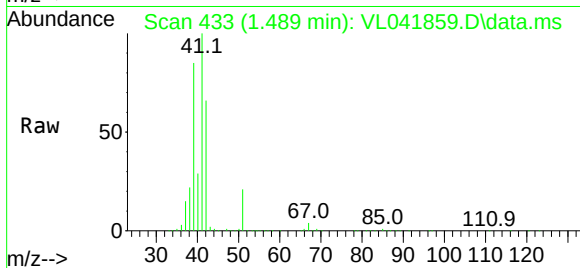
Tgt Ion: 85 Resp: 195898
Ion Ratio Lower Upper
85 100
135 65.3 47.9 71.9





#9
 Propene
 Concen: 13.692 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

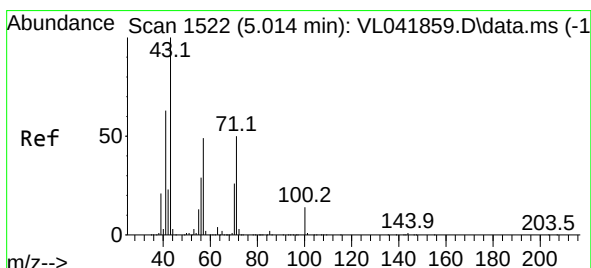
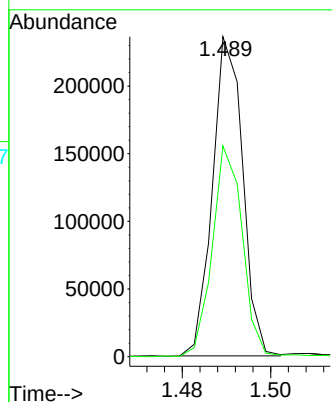
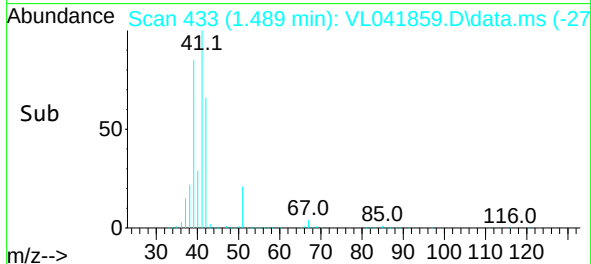
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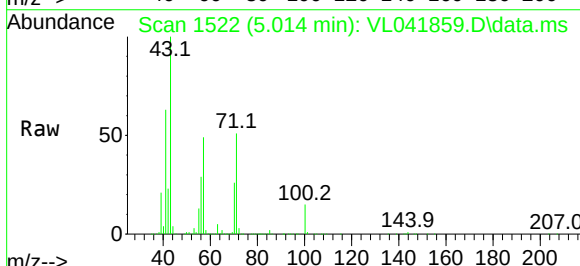
Tgt Ion: 41 Resp: 112124
 Ion Ratio Lower Upper
 41 100
 42 66.3 54.4 81.6

Manual Integrations
 APPROVED

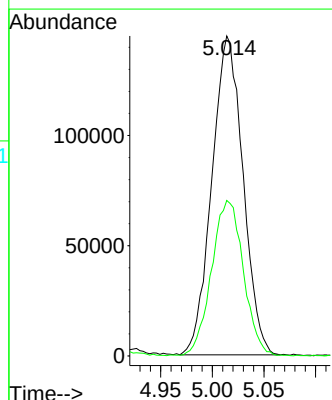
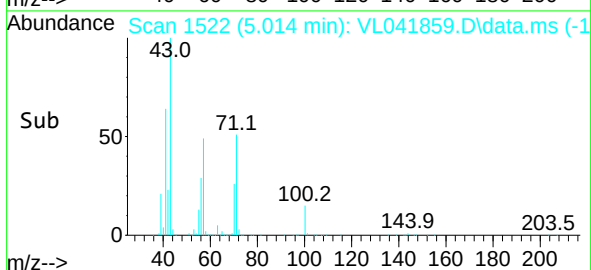
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

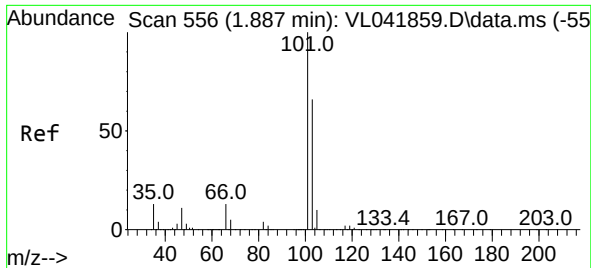


#10
 Heptane
 Concen: 14.992 ppbv
 RT: 5.014 min Scan# 1522
 Delta R.T. 0.010 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19



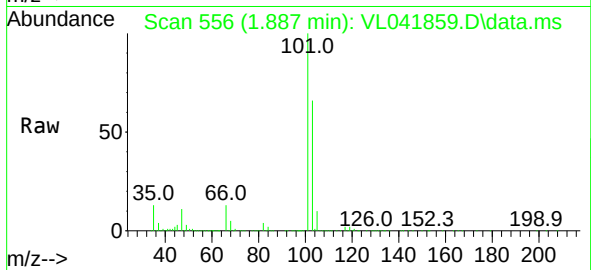
Tgt Ion: 43 Resp: 303272
 Ion Ratio Lower Upper
 43 100
 57 50.2 37.8 56.6





#11
Trichlorofluoromethane
Concen: 8.899 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

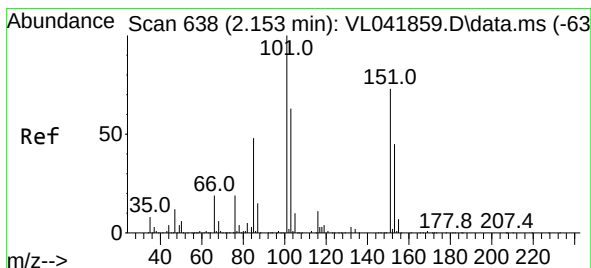
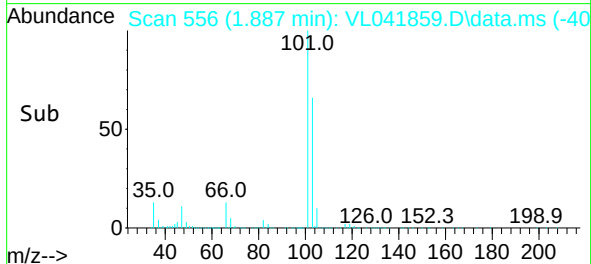
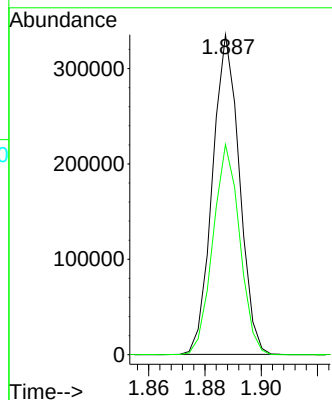
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:101 Resp: 222752
Ion Ratio Lower Upper
101 100
103 65.7 49.4 74.0

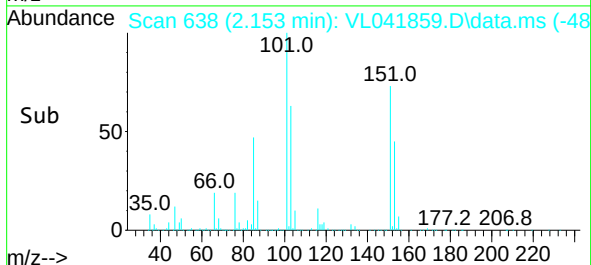
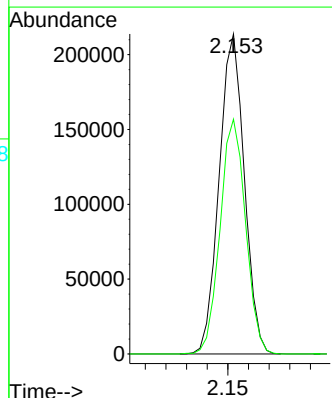
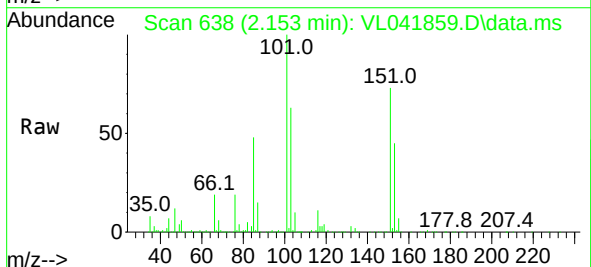
Manual Integrations
APPROVED

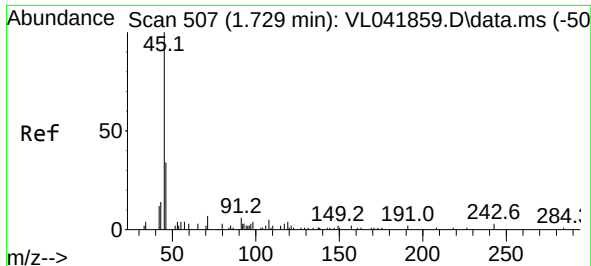
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.715 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

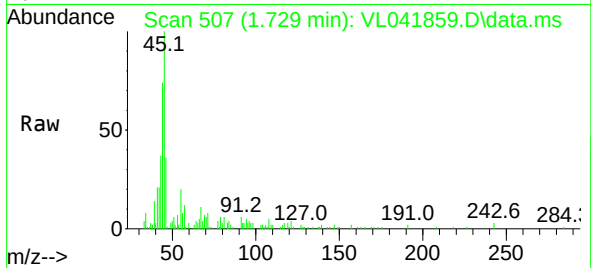
Tgt Ion:101 Resp: 181116
Ion Ratio Lower Upper
101 100
151 74.2 53.2 79.8





#13
Ethanol
Concen: 5.647 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

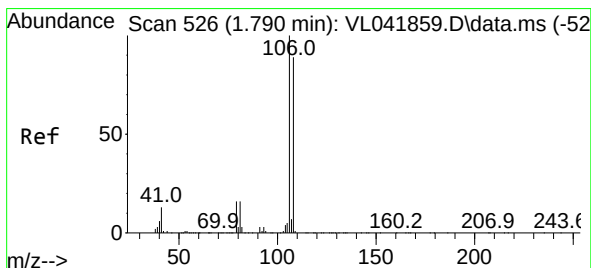
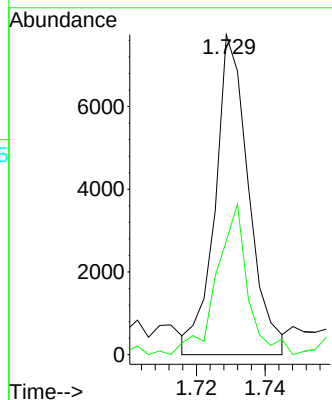
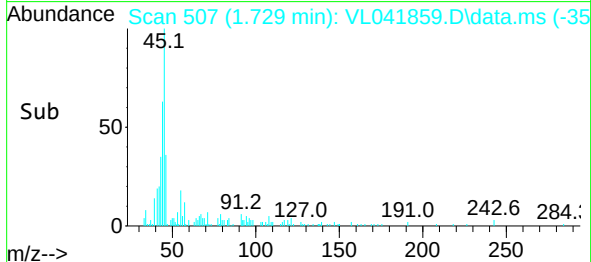
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



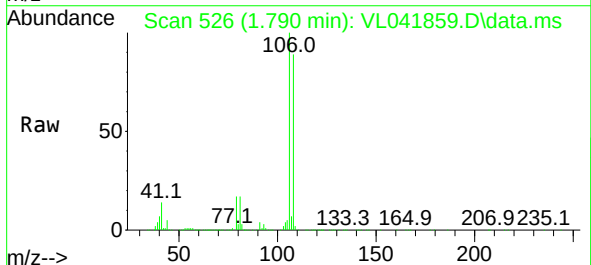
Tgt Ion: 45 Resp: 526
Ion Ratio Lower Upper
45 100
46 47.5 16.1 64.5

Manual Integrations
APPROVED

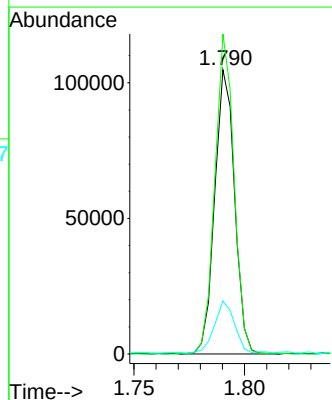
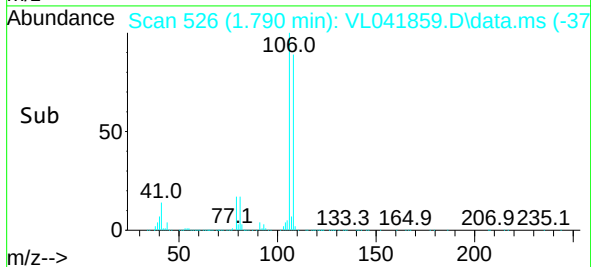
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

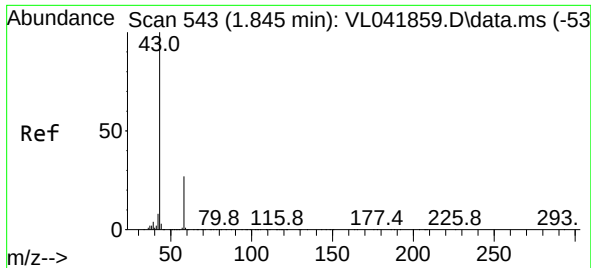


#14
Bromoethene
Concen: 10.743 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



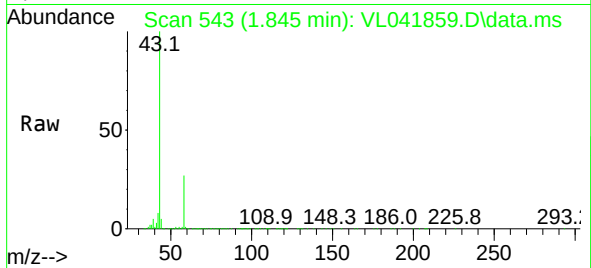
Tgt Ion:108 Resp: 65566
Ion Ratio Lower Upper
108 100
106 108.6 84.6 126.8
79 19.5 18.3 27.5





#15
Acetone
Concen: 6.626 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

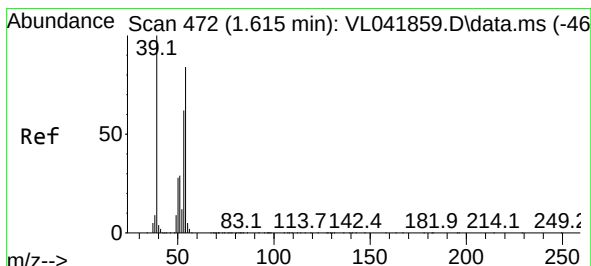
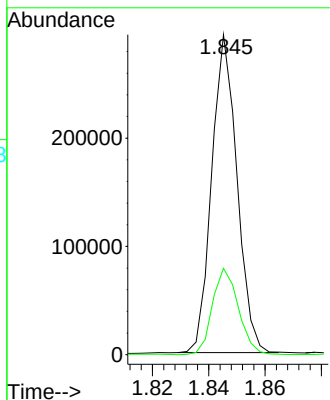
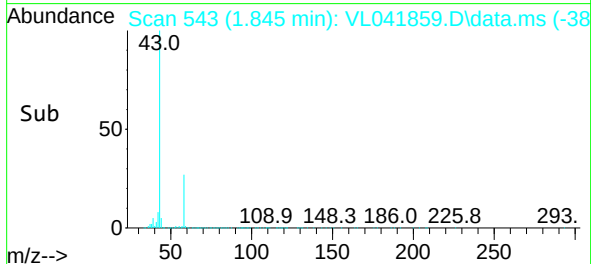
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010



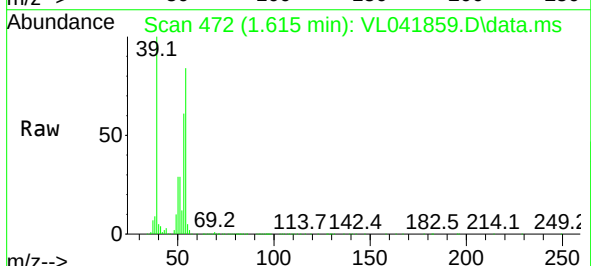
Tgt Ion: 43 Resp: 183039
Ion Ratio Lower Upper
43 100
58 28.4 20.2 30.2

Manual Integrations
APPROVED

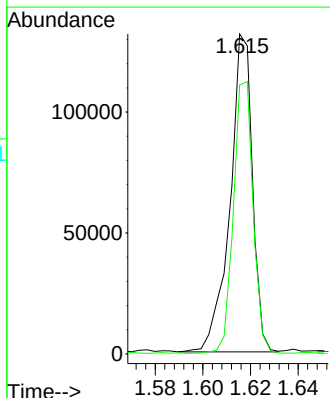
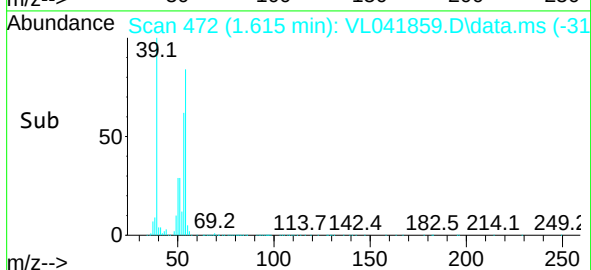
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

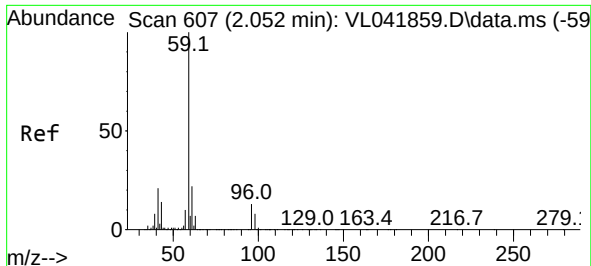


#16
1,3-Butadiene
Concen: 7.945 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion: 39 Resp: 86059
Ion Ratio Lower Upper
39 100
54 75.1 56.2 84.4





#17

tert-Butyl alcohol

Concen: 10.708 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.003 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 59 Resp: 25630

Ion Ratio Lower Upper

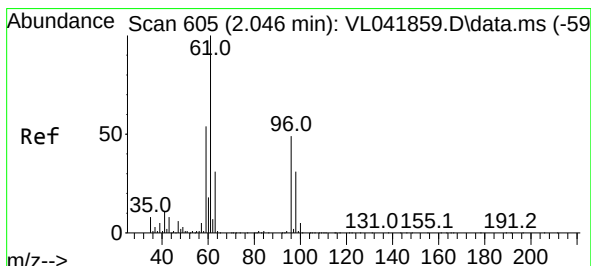
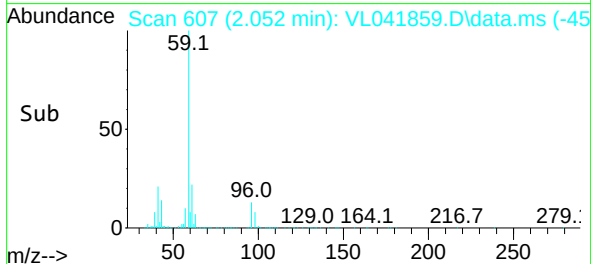
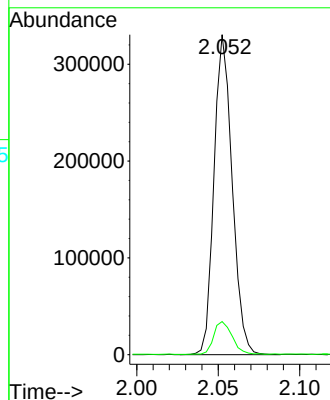
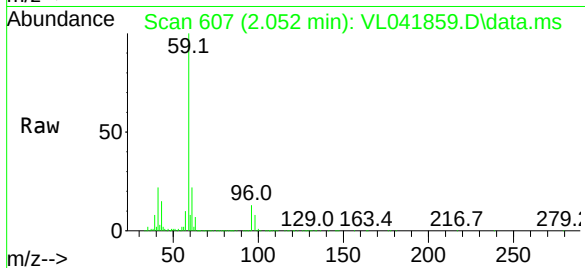
59 100

57 10.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 10.432 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

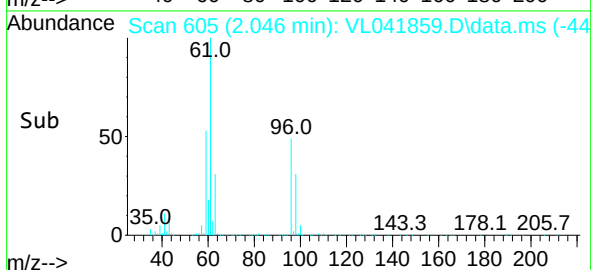
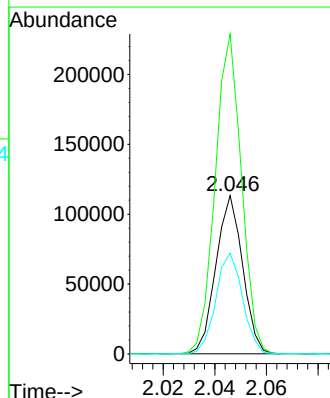
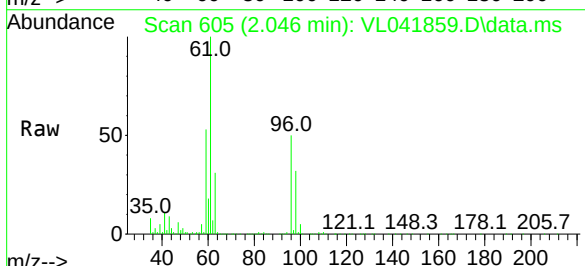
Tgt Ion: 96 Resp: 81423

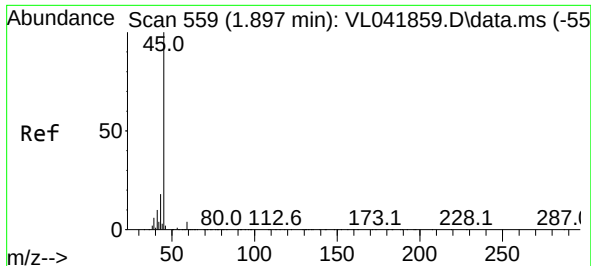
Ion Ratio Lower Upper

96 100

61 202.1 179.2 268.8

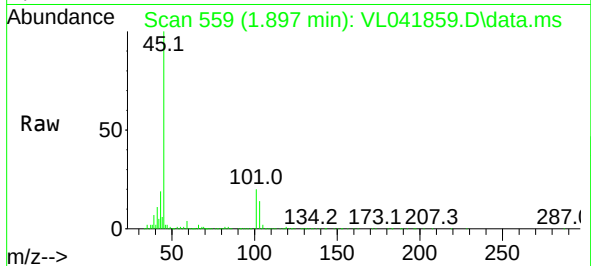
98 63.7 51.6 77.4





#19
Isopropyl Alcohol
Concen: 8.528 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

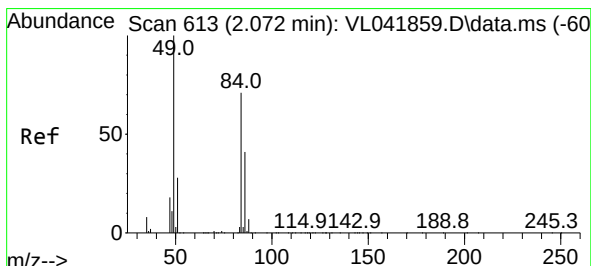
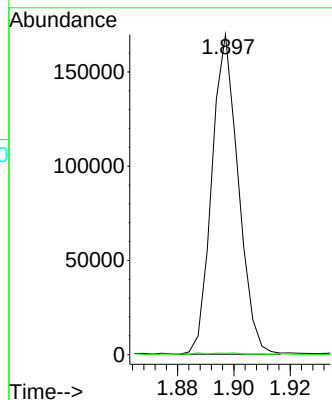
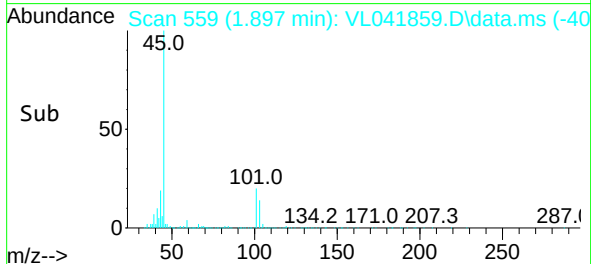
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



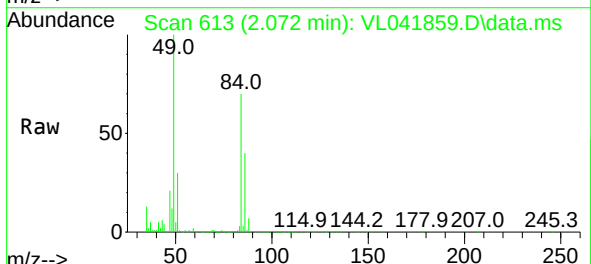
Tgt Ion: 45 Resp: 110578
Ion Ratio Lower Upper
45 100
58 46.3 2.0 3.0

Manual Integrations
APPROVED

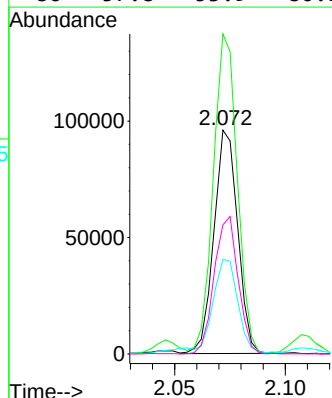
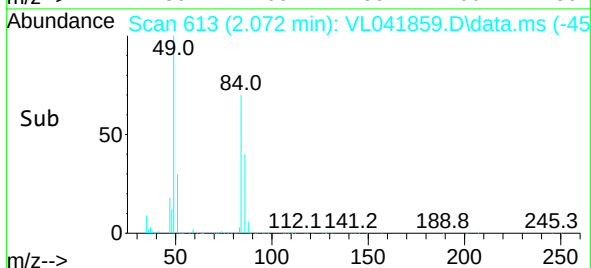
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

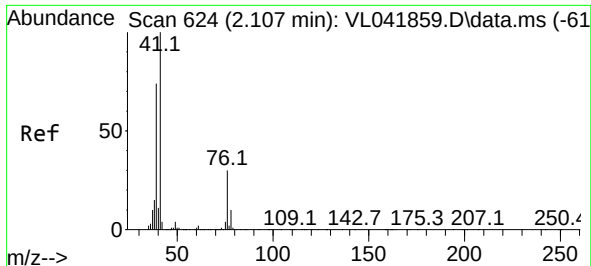


#20
Methylene Chloride
Concen: 9.055 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



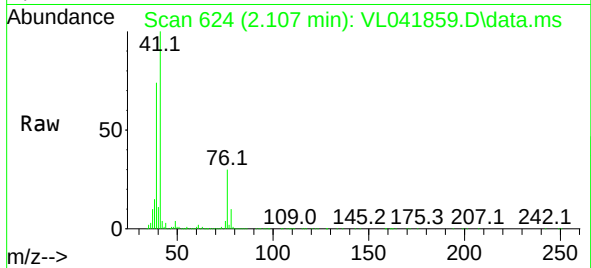
Tgt Ion: 84 Resp: 71501
Ion Ratio Lower Upper
84 100
49 142.3 137.8 206.8
51 41.9 43.9 65.9#
86 57.8 53.9 80.9





#21
 Allyl Chloride
 Concen: 9.950 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

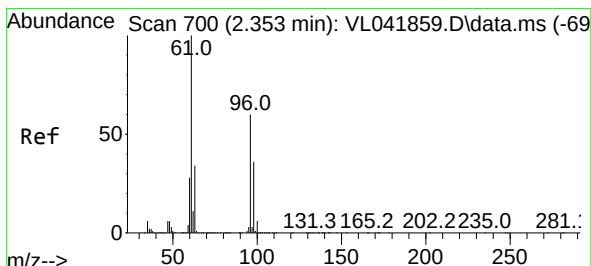
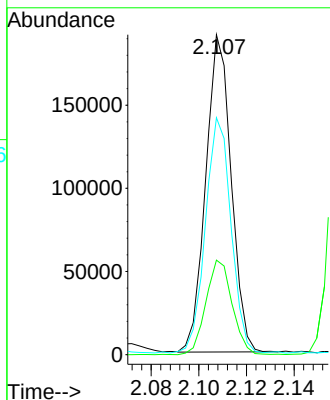
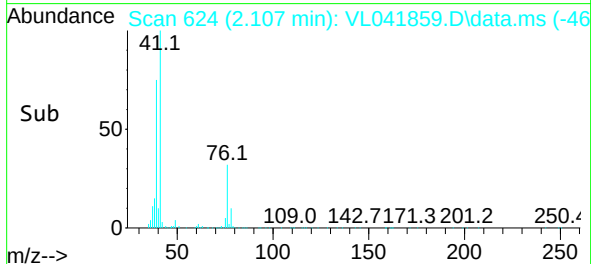
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



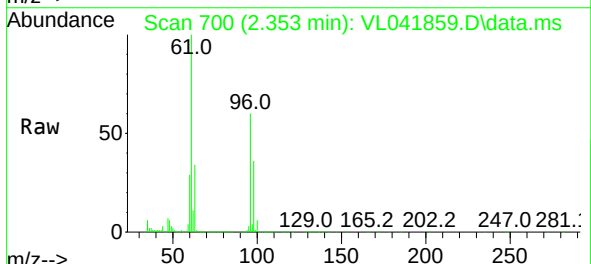
Tgt Ion: 41 Resp: 141570
 Ion Ratio Lower Upper
 41 100
 76 30.7 20.6 31.0
 39 75.1 67.4 101.2

Manual Integrations
 APPROVED

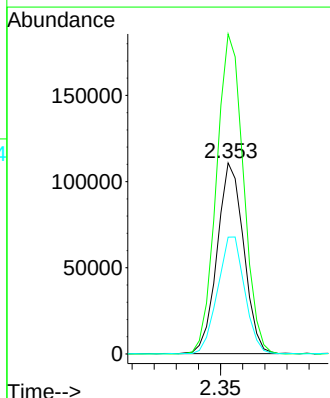
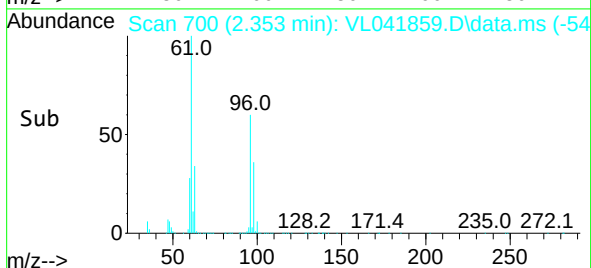
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

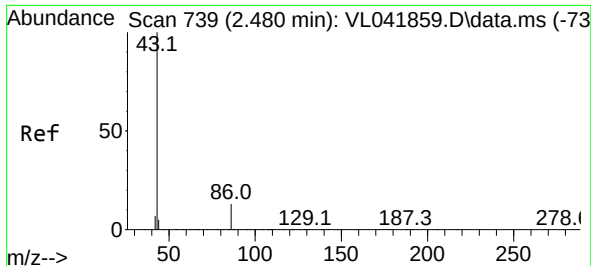


#22
 trans-1,2-Dichloroethene
 Concen: 10.553 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19



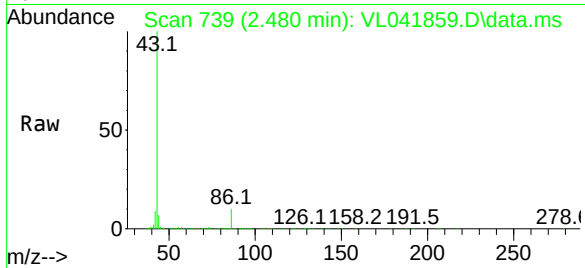
Tgt Ion: 96 Resp: 92062
 Ion Ratio Lower Upper
 96 100
 61 167.8 144.0 216.0
 98 61.2 46.9 70.3





#23
 Vinyl Acetate
 Concen: 13.762 ppbv
 RT: 2.480 min Scan# 739
 Delta R.T. 0.007 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

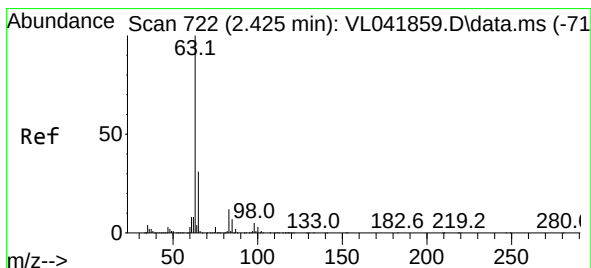
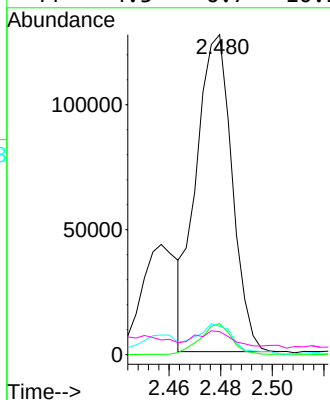
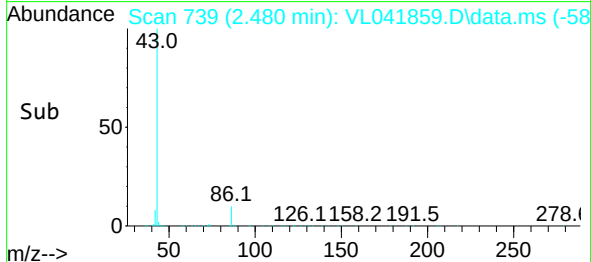
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



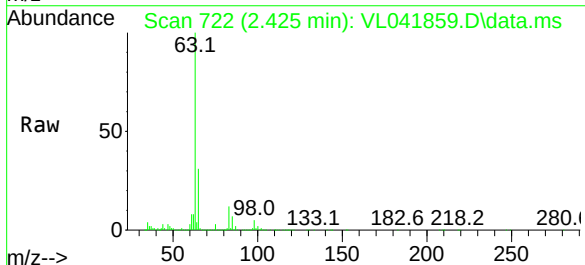
Tgt Ion: 43 Resp: 121914
 Ion Ratio Lower Upper
 43 100
 86 9.7 6.4 9.6
 42 8.7 9.5 14.3
 44 4.3 6.7 10.1

Manual Integrations
 APPROVED

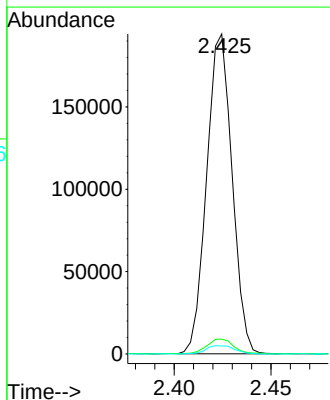
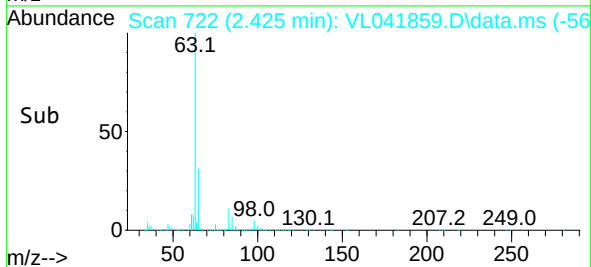
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

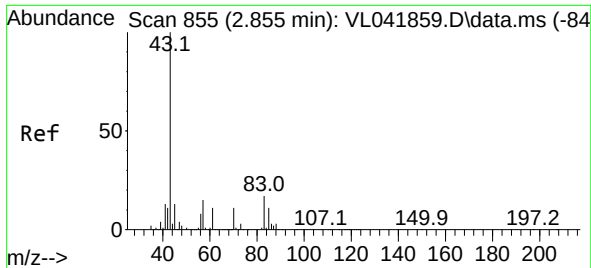


#24
 1,1-Dichloroethane
 Concen: 9.286 ppbv
 RT: 2.425 min Scan# 722
 Delta R.T. 0.007 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19



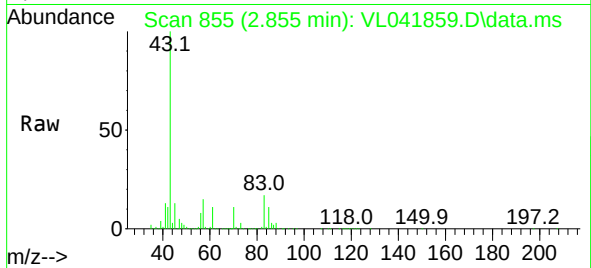
Tgt Ion: 63 Resp: 177291
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.3 6.9
 100 2.5 1.4 4.0





#25
Ethyl Acetate
Concen: 12.728 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

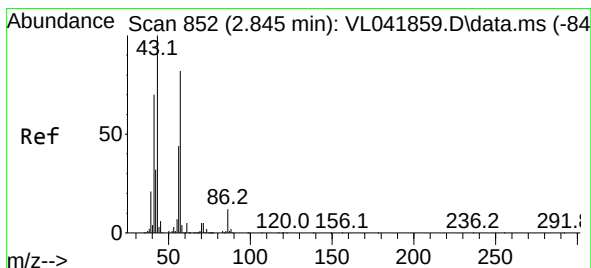
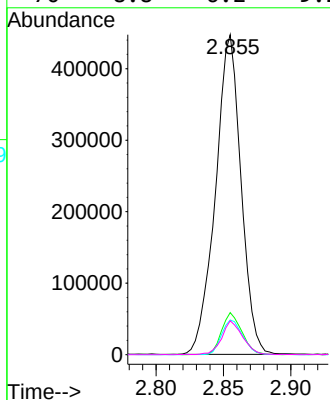
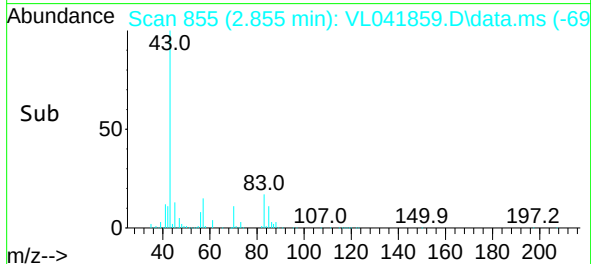
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



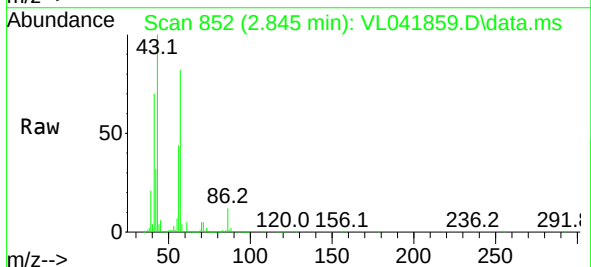
Tgt Ion: 43 Resp: 58956
Ion Ratio Lower Upper
43 100
45 10.5 7.8 11.8
61 9.1 7.0 10.6
70 8.8 6.2 9.2

Manual Integrations
APPROVED

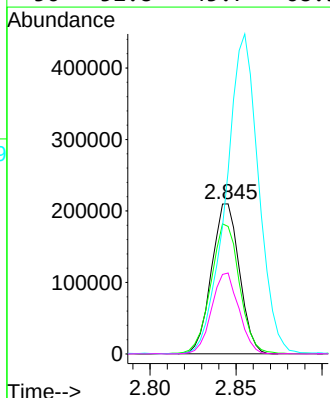
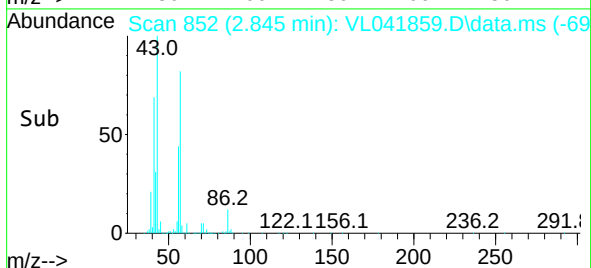
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

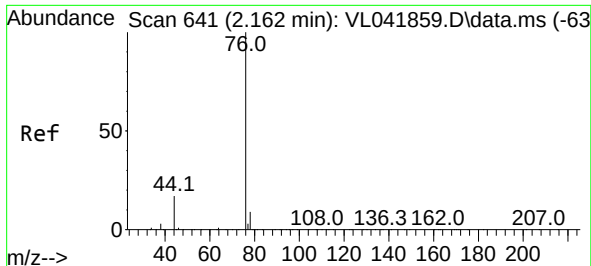


#26
Hexane
Concen: 14.695 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



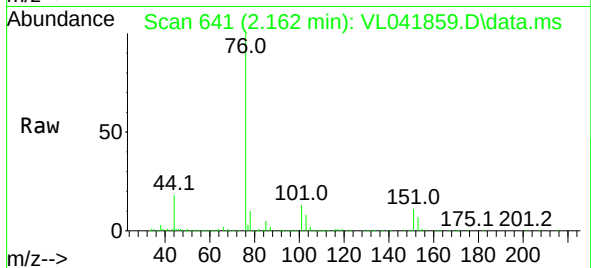
Tgt Ion: 57 Resp: 236237
Ion Ratio Lower Upper
57 100
41 89.4 84.1 126.1
43 250.3 218.4 327.6
56 52.8 45.7 68.5





#27
Carbon Disulfide
Concen: 14.877 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

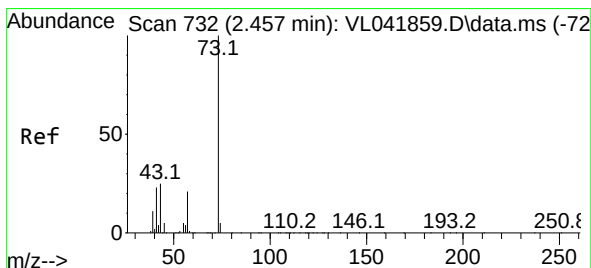
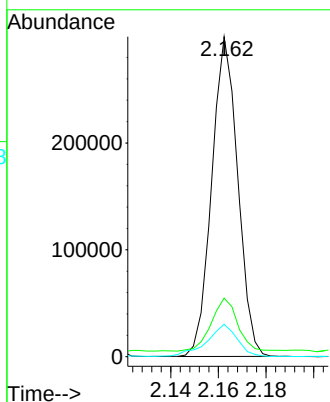
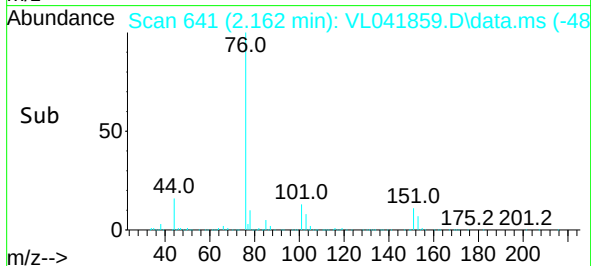
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



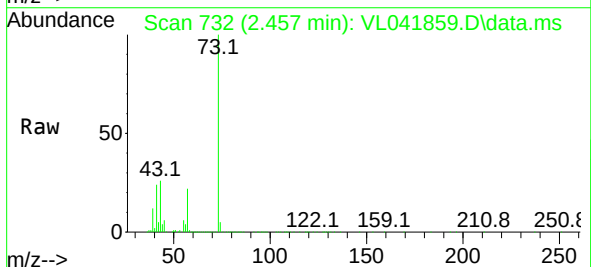
Tgt Ion: 76 Resp: 226980
Ion Ratio Lower Upper
76 100
44 16.4 19.8 29.8
78 11.9 9.8 14.8

Manual Integrations
APPROVED

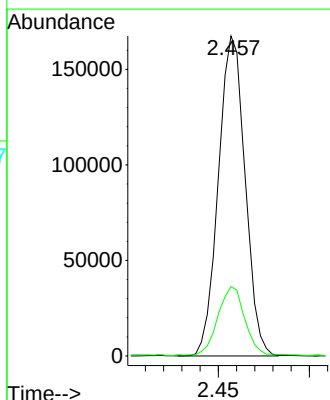
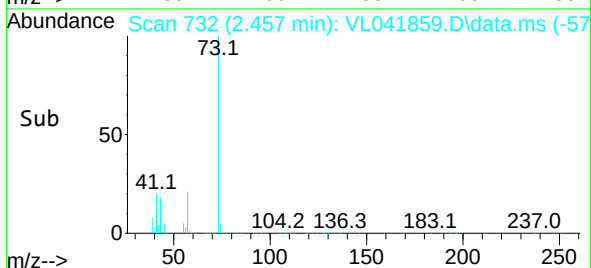
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

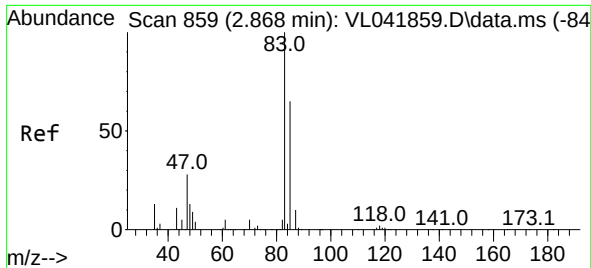


#28
Methyl tert-Butyl Ether
Concen: 14.077 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



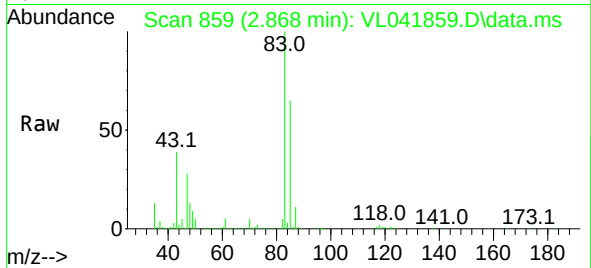
Tgt Ion: 73 Resp: 170565
Ion Ratio Lower Upper
73 100
57 21.9 18.4 27.6





#29
Chloroform
Concen: 10.989 ppbv
RT: 2.868 min Scan# 859
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

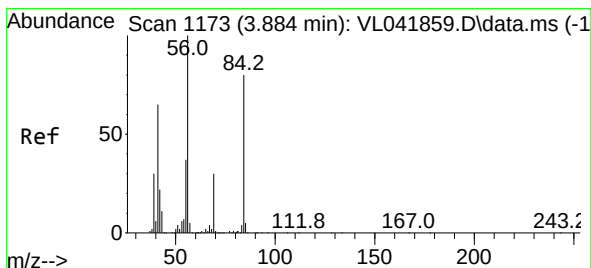
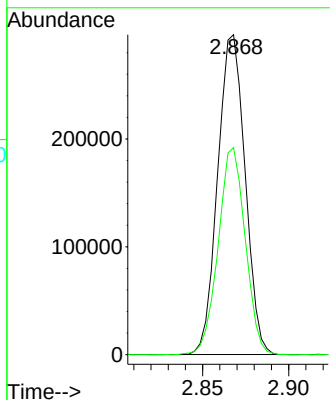
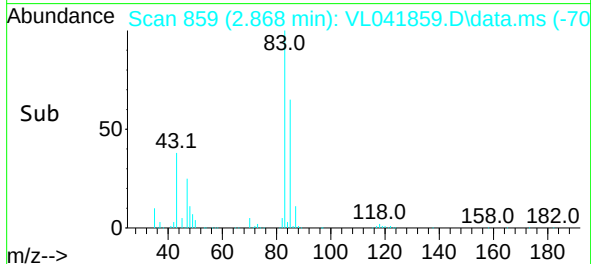
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



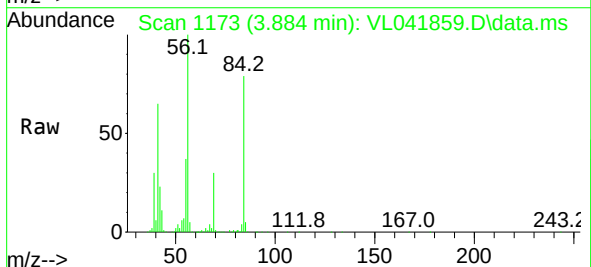
Tgt Ion: 83 Resp: 328200
Ion Ratio Lower Upper
83 100
85 64.6 49.6 74.4

Manual Integrations
APPROVED

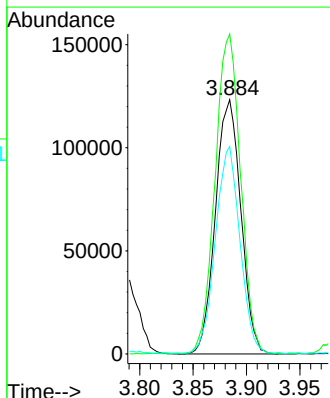
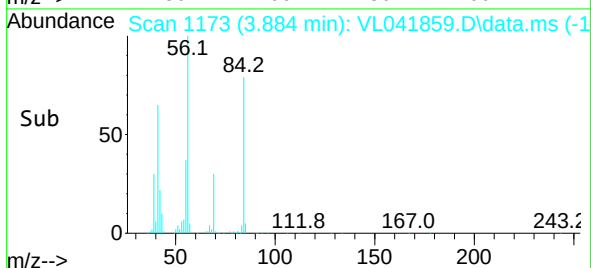
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

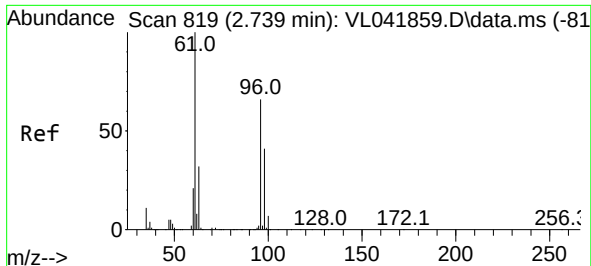


#30
Cyclohexane
Concen: 16.773 ppbv
RT: 3.884 min Scan# 1173
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



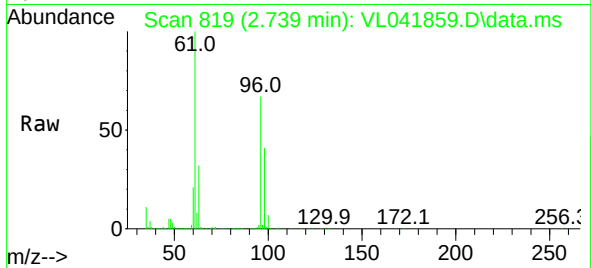
Tgt Ion: 84 Resp: 204595
Ion Ratio Lower Upper
84 100
56 125.9 105.0 157.6
41 78.5 78.9 118.3





#31
cis-1,2-Dichloroethene
Concen: 13.944 ppbv
RT: 2.739 min Scan# 819
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

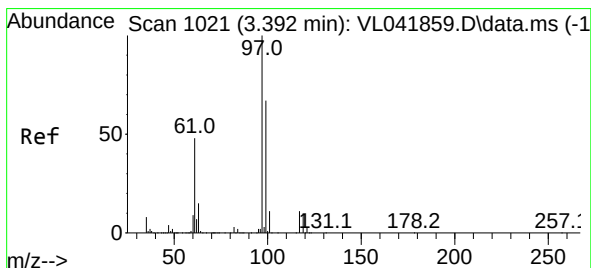
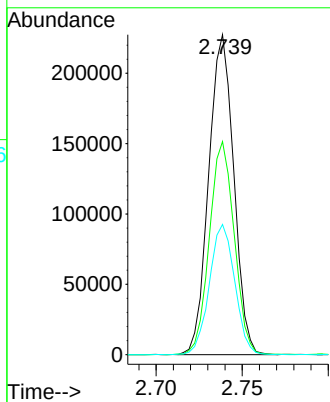
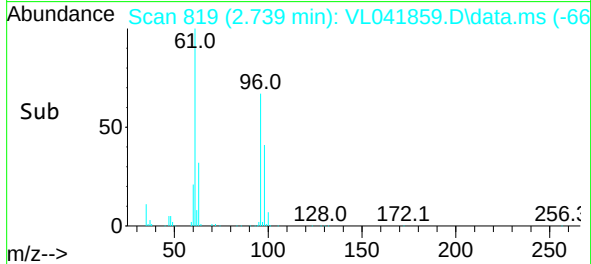
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



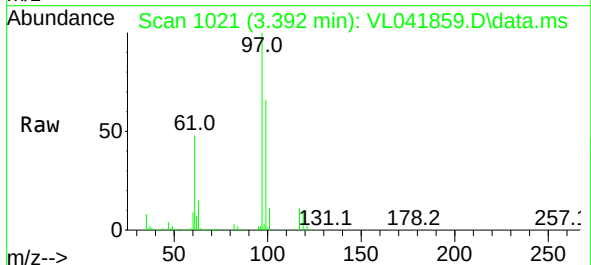
Tgt Ion: 61 Resp: 230732
Ion Ratio Lower Upper
61 100
96 66.5 47.6 71.4
98 40.6 30.2 45.2

Manual Integrations
APPROVED

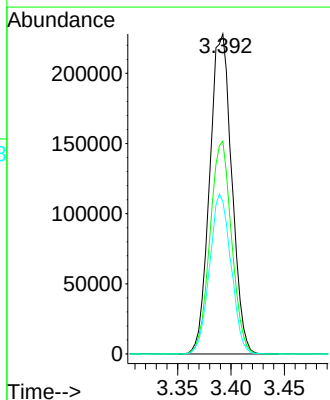
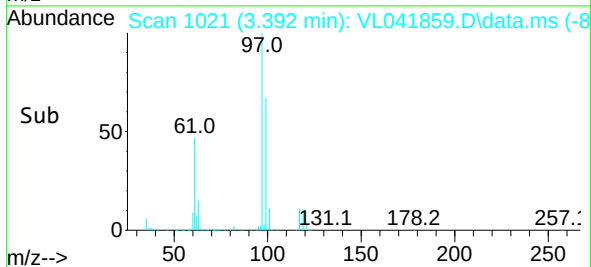
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

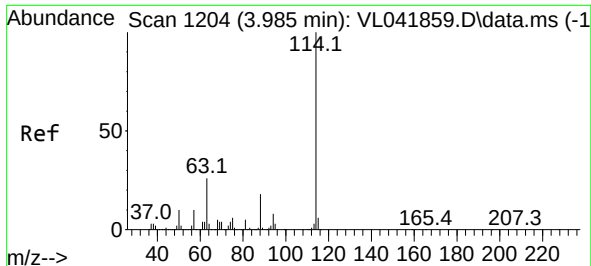


#32
1,1,1-Trichloroethane
Concen: 12.132 ppbv
RT: 3.392 min Scan# 1021
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



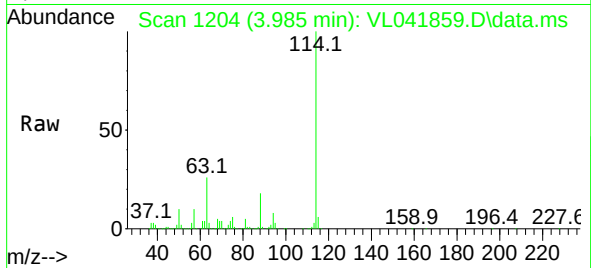
Tgt Ion: 97 Resp: 328356
Ion Ratio Lower Upper
97 100
99 65.0 50.6 76.0
61 48.5 45.0 67.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 114
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

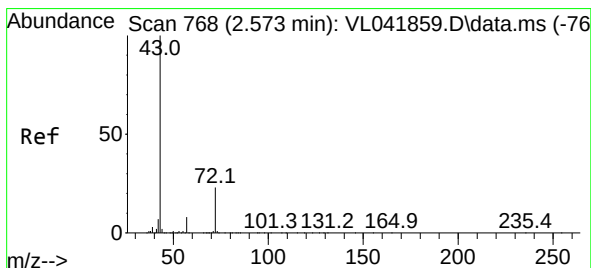
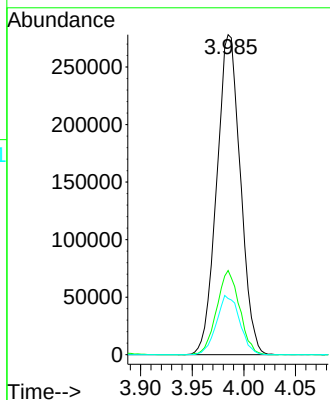
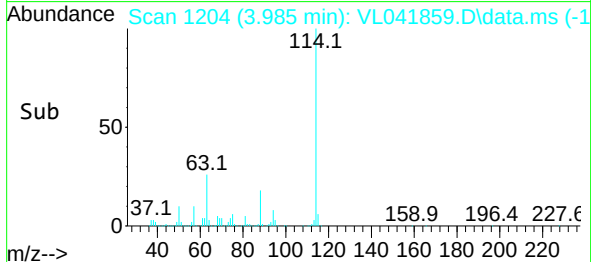
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



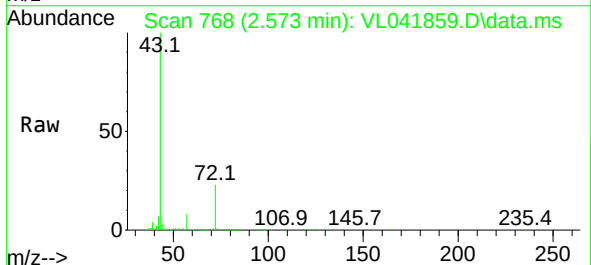
Tgt Ion:114 Resp: 44286
Ion Ratio Lower Upper
114 100
63 25.4 22.3 33.5
88 18.2 14.9 22.3

Manual Integrations
APPROVED

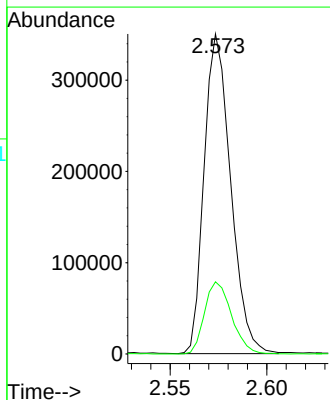
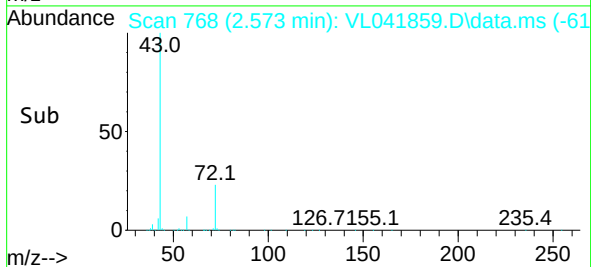
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

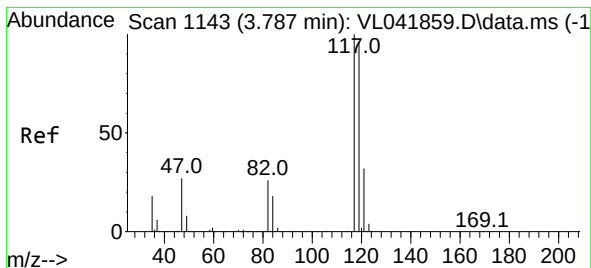


#34
2-Butanone
Concen: 9.557 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion: 43 Resp: 333402
Ion Ratio Lower Upper
43 100
72 23.1 16.6 25.0





#35

Carbon Tetrachloride

Concen: 9.690 ppbv

RT: 3.787 min Scan# 1143

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 324320

Ion Ratio Lower Upper

117 100

119 96.1 79.1 118.7

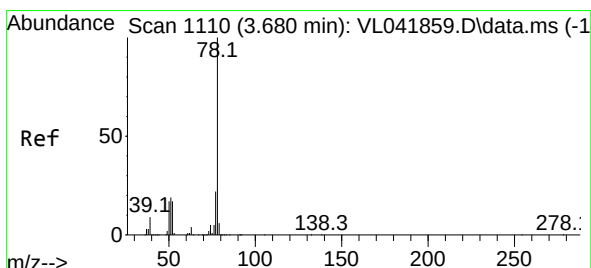
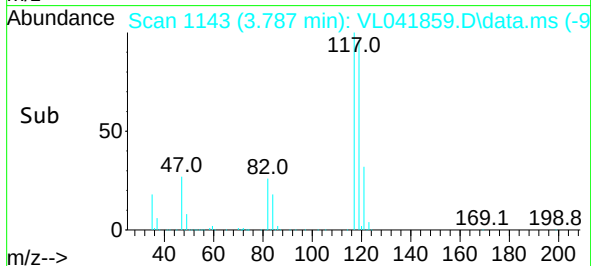
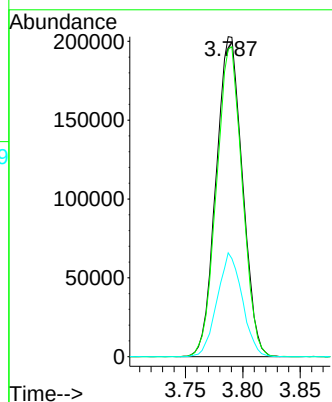
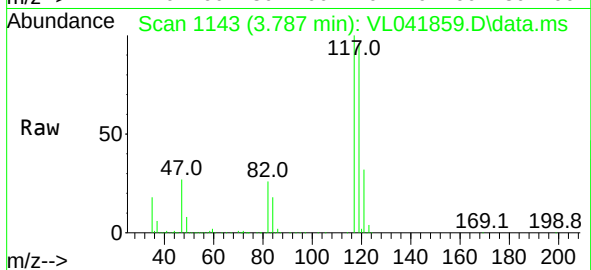
121 32.4 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#36

Benzene

Concen: 11.507 ppbv

RT: 3.680 min Scan# 1110

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

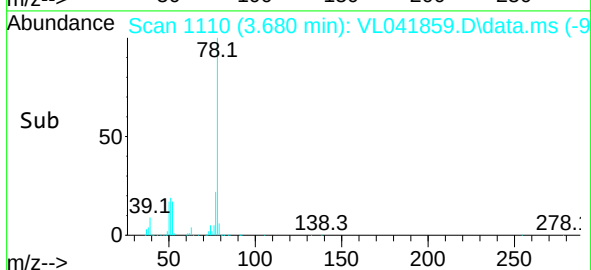
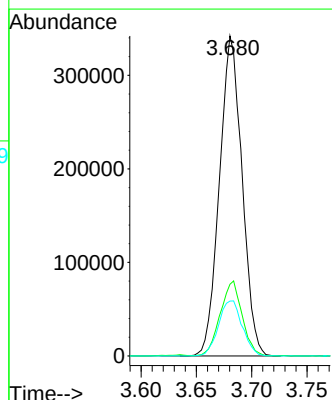
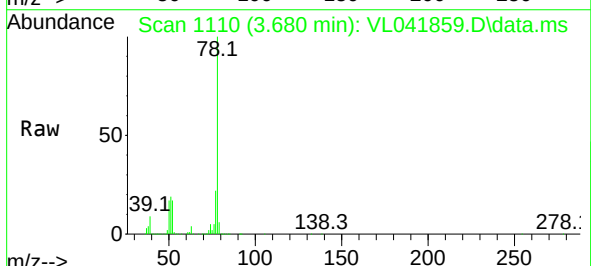
Tgt Ion: 78 Resp: 486852

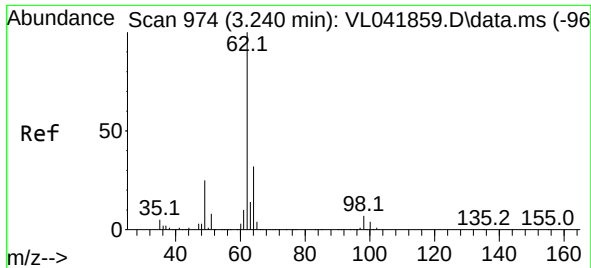
Ion Ratio Lower Upper

78 100

77 22.4 17.4 26.0

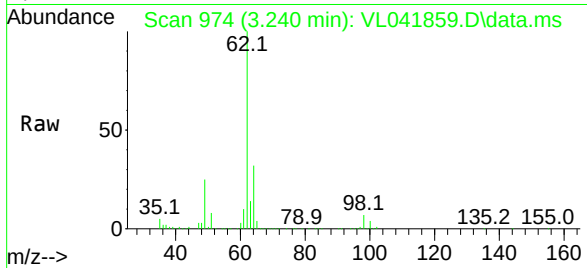
50 17.1 17.3 25.9#





#37
1,2-Dichloroethane
Concen: 8.987 ppbv
RT: 3.240 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

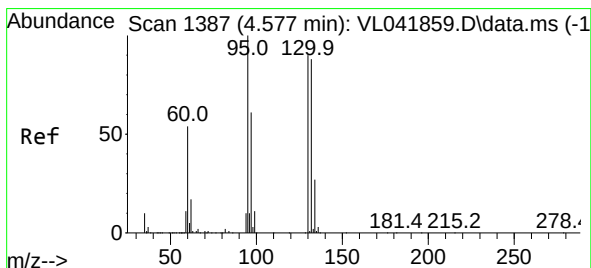
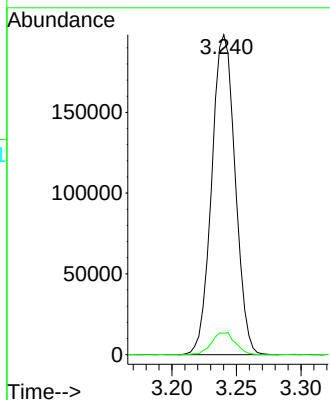
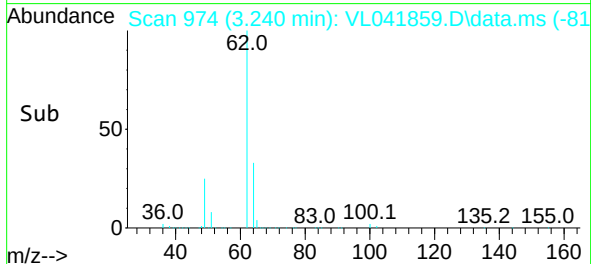
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



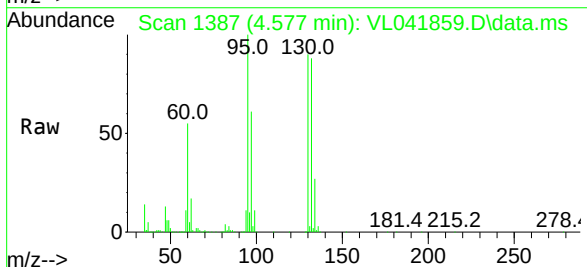
Tgt Ion: 62 Resp: 249944
Ion Ratio Lower Upper
62 100
98 7.0 4.8 7.2

Manual Integrations
APPROVED

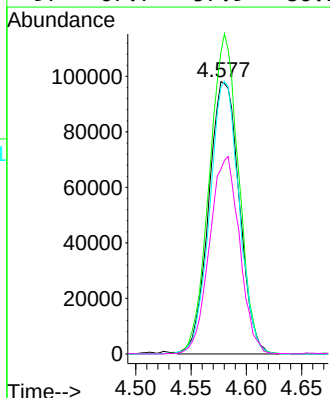
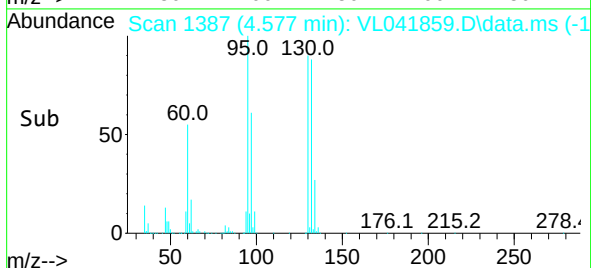
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

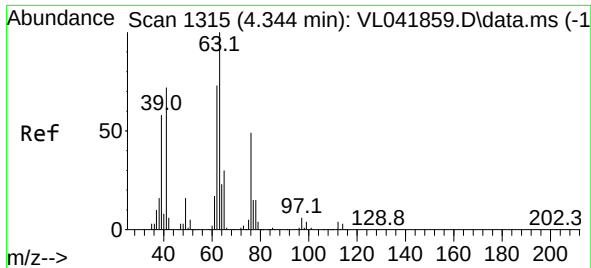


#38
Trichloroethene
Concen: 11.357 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion:130 Resp: 188346
Ion Ratio Lower Upper
130 100
95 110.6 90.1 135.1
132 97.7 71.8 107.8
97 67.7 57.9 86.9





#39

1,2-Dichloropropane

Concen: 10.483 ppbv

RT: 4.344 min Scan# 1315

Delta R.T. 0.010 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 63 Resp: 17156

Ion Ratio Lower Upper

63 100

41 72.5 77.7 116.5

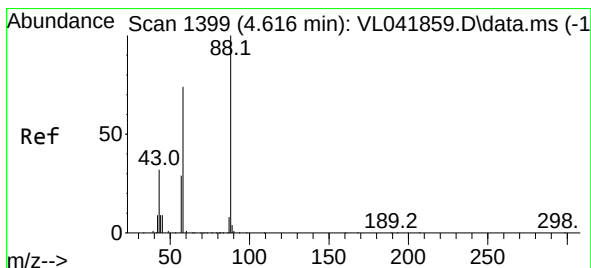
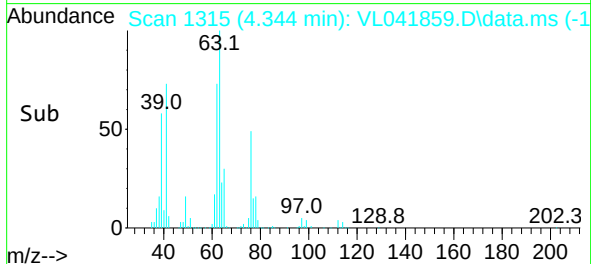
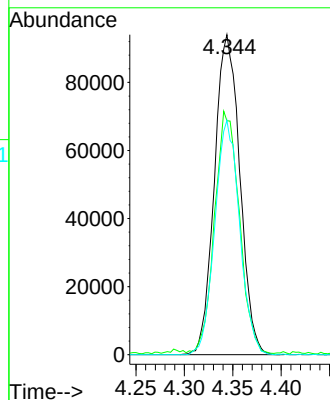
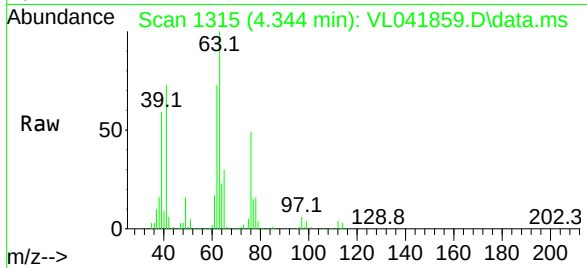
62 73.2 56.2 84.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 13.190 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.010 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion: 88 Resp: 83645

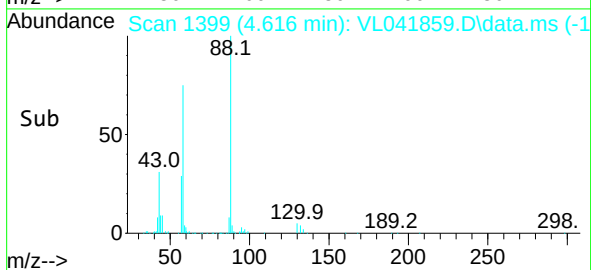
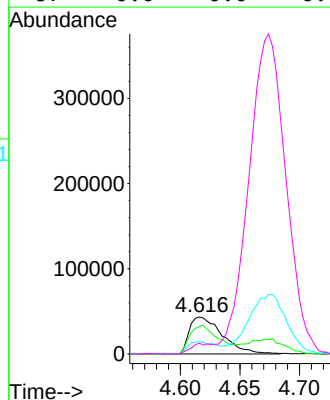
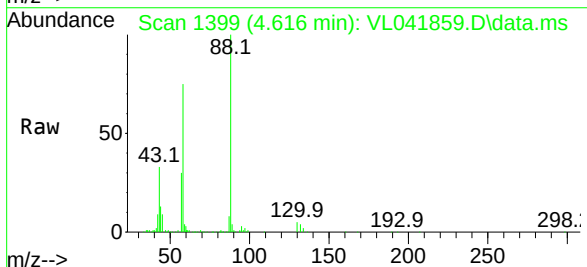
Ion Ratio Lower Upper

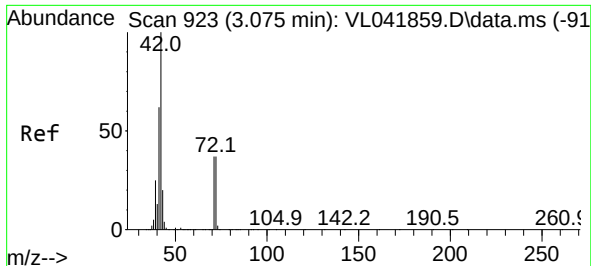
88 100

58 65.3 65.1 97.7

43 0.0 32.1 48.1

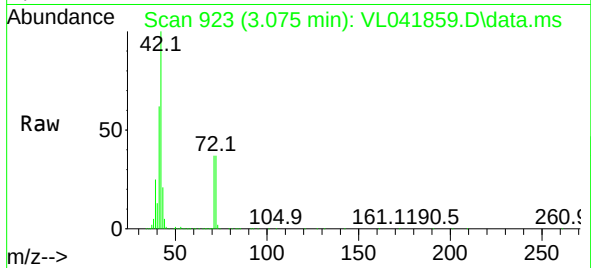
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 12.236 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

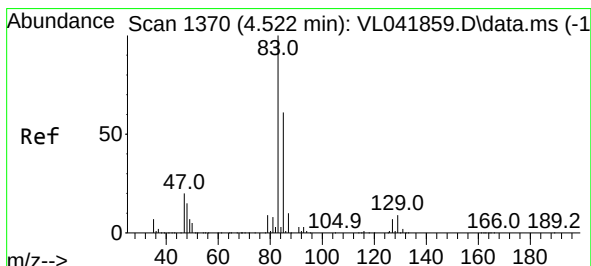
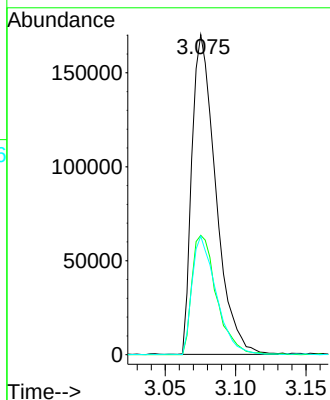
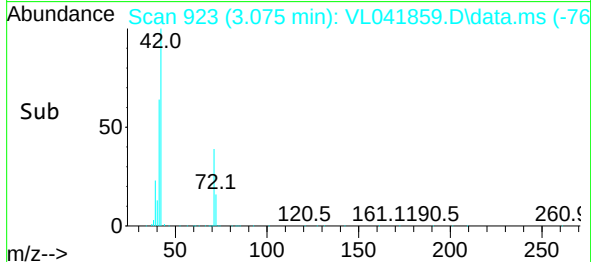
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 42 Resp: 201204
Ion Ratio Lower Upper
42 100
72 38.5 27.9 41.9
71 37.6 26.5 39.7

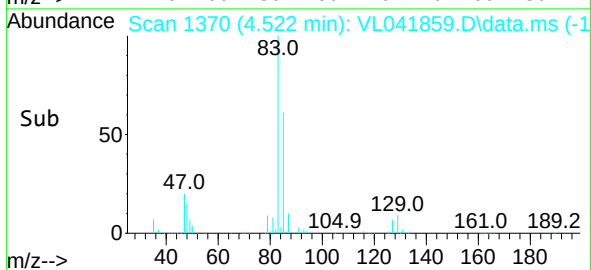
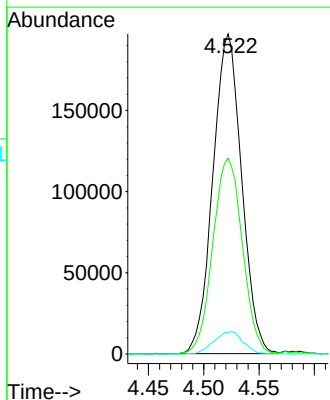
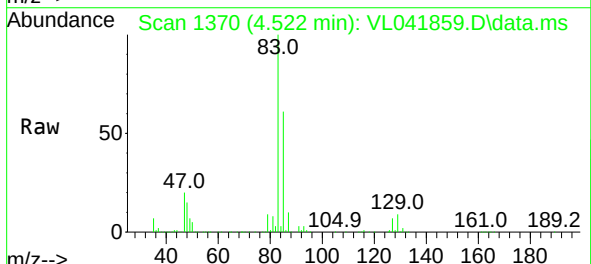
Manual Integrations
APPROVED

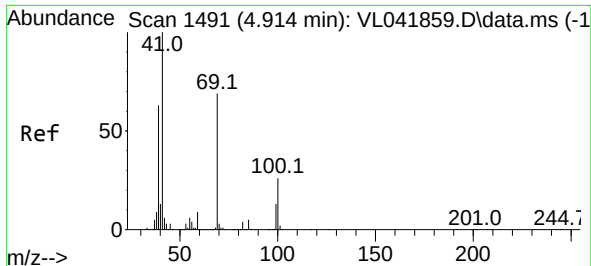
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#42
Bromodichloromethane
Concen: 10.910 ppbv
RT: 4.522 min Scan# 1370
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

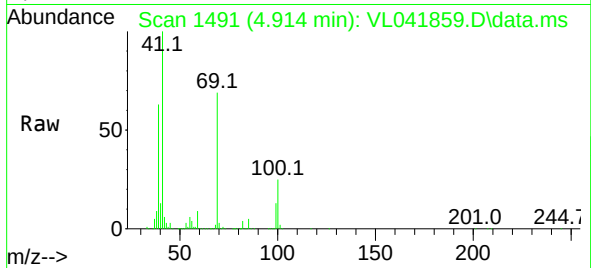
Tgt Ion: 83 Resp: 355888
Ion Ratio Lower Upper
83 100
85 61.1 51.3 76.9
127 6.8 5.6 8.4





#43
Methyl Methacrylate
Concen: 15.032 ppbv
RT: 4.914 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

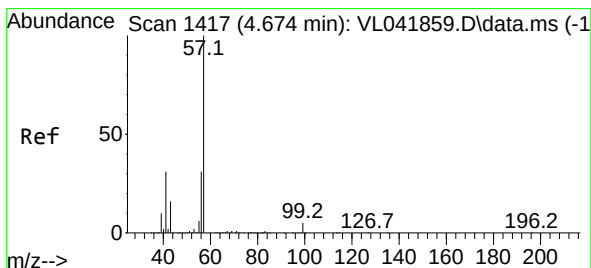
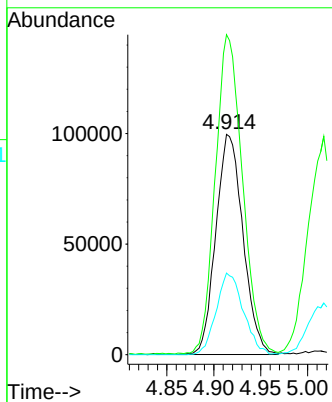
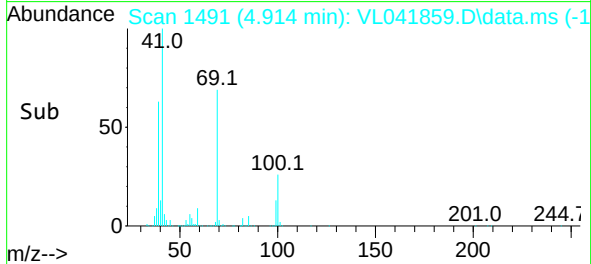
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



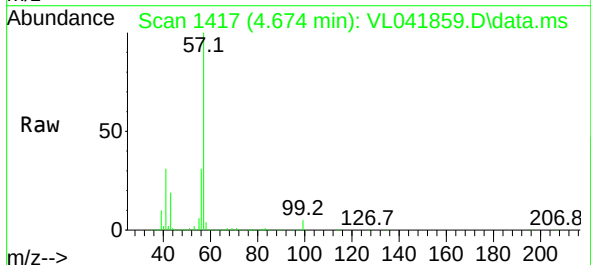
Tgt Ion: 69 Resp: 199710
Ion Ratio Lower Upper
69 100
41 145.3 132.3 198.5
100 37.3 28.2 42.4

Manual Integrations
APPROVED

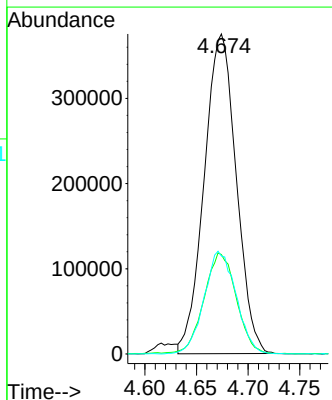
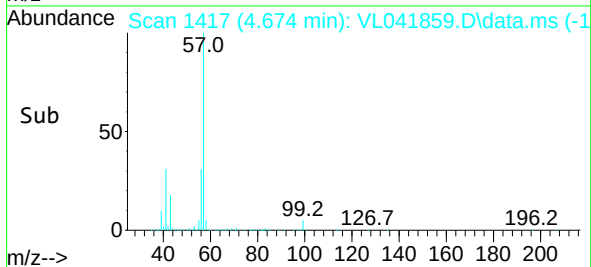
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

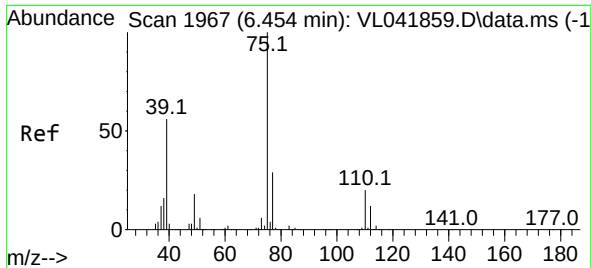


#44
2,2,4-Trimethylpentane
Concen: 11.618 ppbv
RT: 4.674 min Scan# 1417
Delta R.T. 0.013 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion: 57 Resp: 809851
Ion Ratio Lower Upper
57 100
41 31.9 31.4 47.2
56 32.0 26.6 39.8





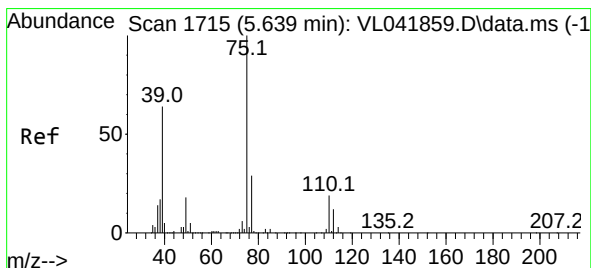
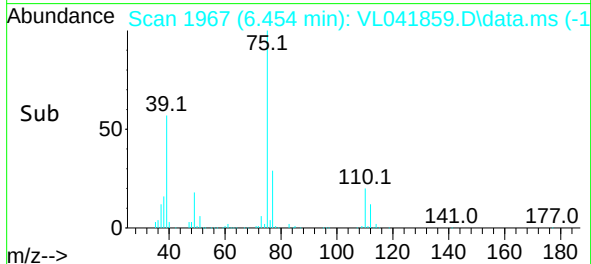
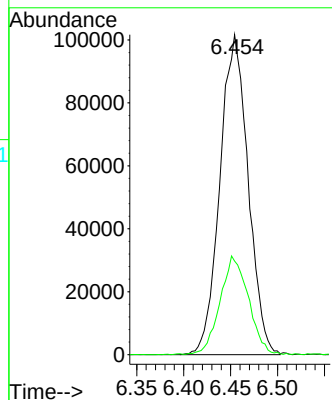
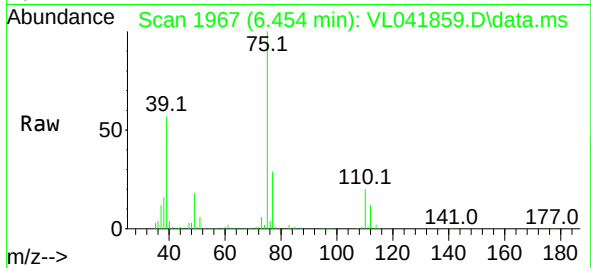
#45
 t-1,3-Dichloropropene
 Concen: 16.371 ppbv
 RT: 6.454 min Scan# 1967
 Delta R.T. 0.016 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 75 Resp: 21234
 Ion Ratio Lower Upper
 75 100
 77 29.3 22.2 33.4

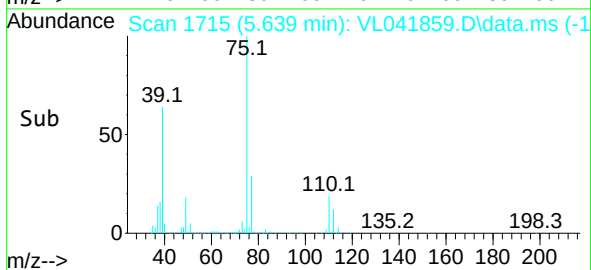
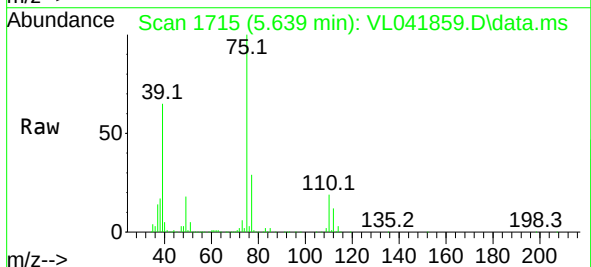
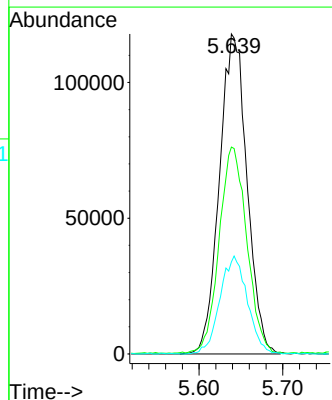
Manual Integrations
 APPROVED

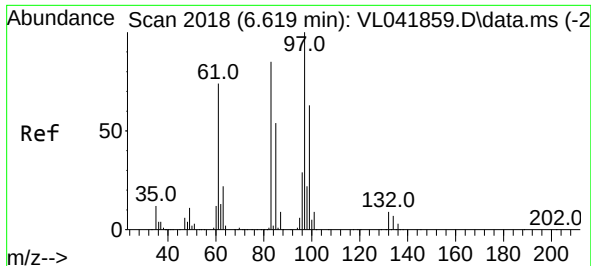
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#46
 cis-1,3-Dichloropropene
 Concen: 15.788 ppbv
 RT: 5.639 min Scan# 1715
 Delta R.T. 0.007 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

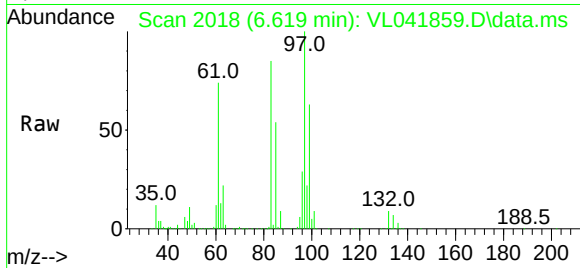
Tgt Ion: 75 Resp: 269395
 Ion Ratio Lower Upper
 75 100
 39 64.3 63.3 94.9
 77 28.7 23.5 35.3





#47
1,1,2-Trichloroethane
Concen: 10.214 ppbv
RT: 6.619 min Scan# 2018
Delta R.T. 0.013 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

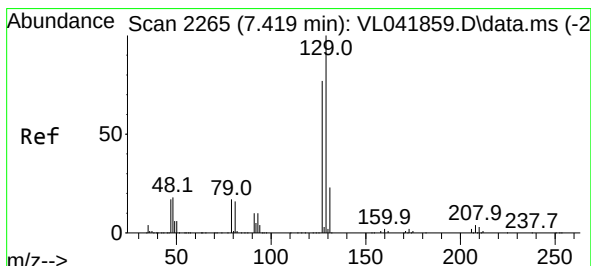
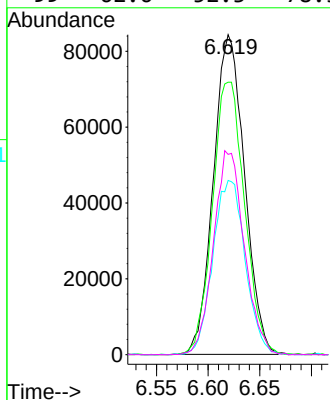
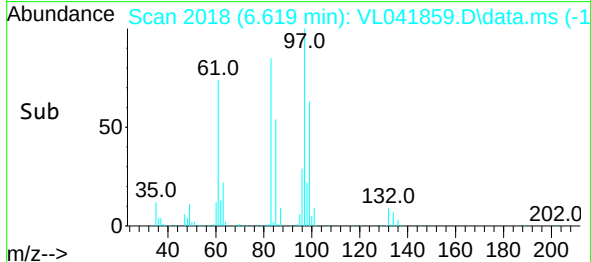
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



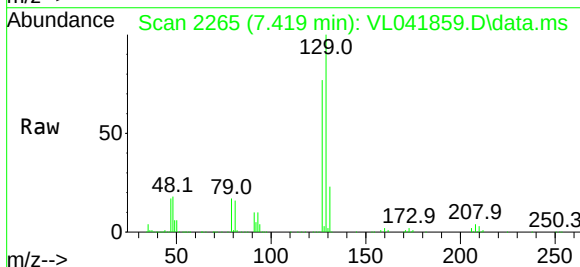
Tgt Ion: 97 Resp: 17681
Ion Ratio Lower Upper
97 100
83 85.1 70.3 105.5
85 54.3 41.5 62.3
99 62.6 52.3 78.5

Manual Integrations
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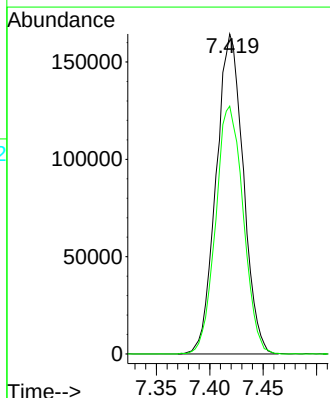
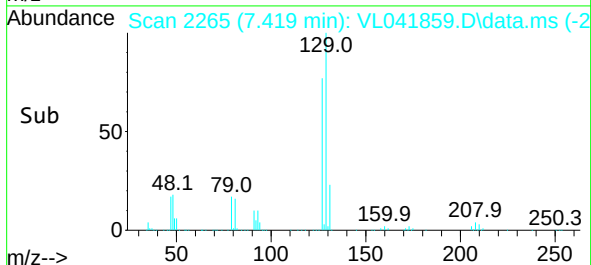
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

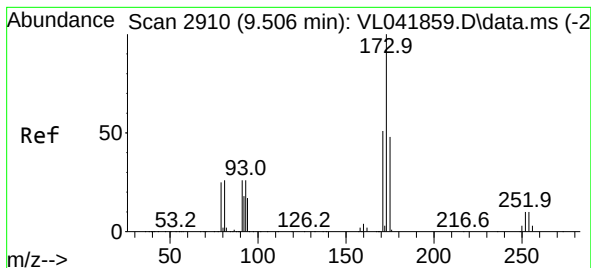


#48
Dibromochloromethane
Concen: 13.195 ppbv
RT: 7.419 min Scan# 2265
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion:129 Resp: 290737
Ion Ratio Lower Upper
129 100
127 78.7 38.7 116.1





#49

Bromoform

Concen: 14.609 ppbv

RT: 9.506 min Scan# 2910

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

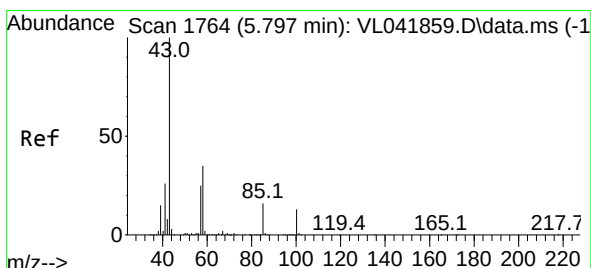
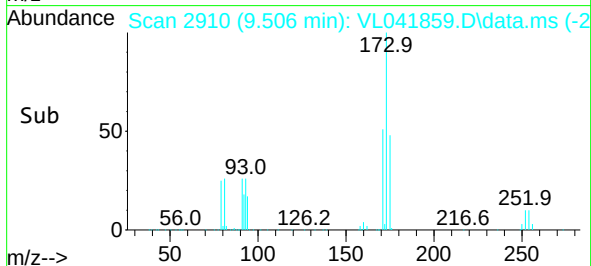
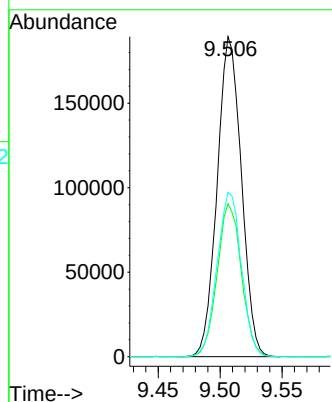
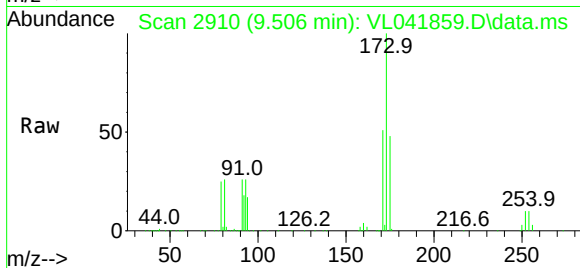
VSTDICCC010

Tgt Ion:173 Resp: 257972
Ion Ratio Lower Upper
173 100
175 47.7 39.5 59.3
171 51.6 41.5 62.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#50

4-Methyl-2-Pentanone

Concen: 12.169 ppbv

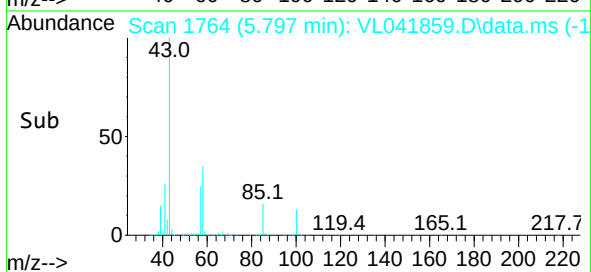
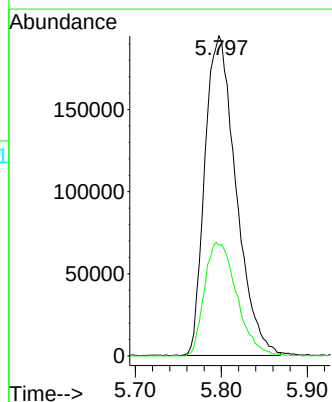
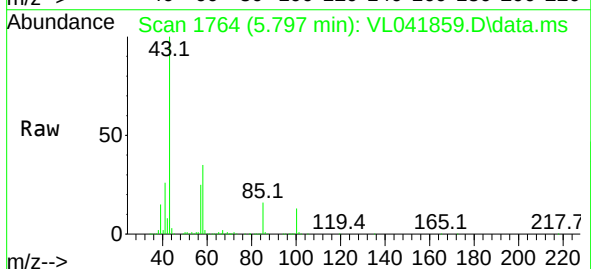
RT: 5.797 min Scan# 1764

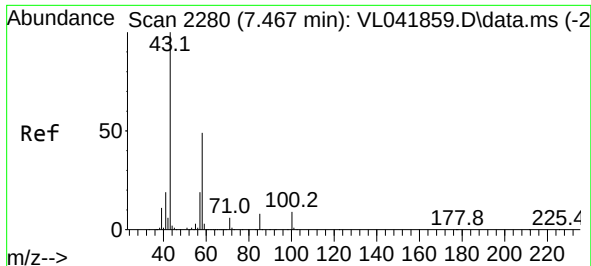
Delta R.T. 0.013 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

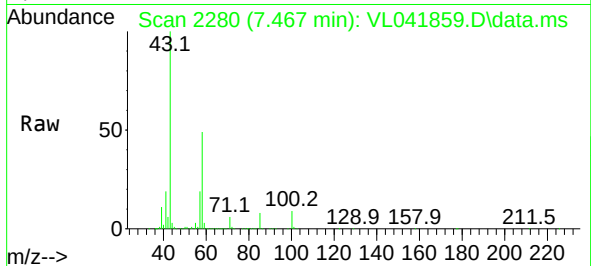
Tgt Ion: 43 Resp: 490478
Ion Ratio Lower Upper
43 100
58 36.8 25.7 38.5





#51
2-Hexanone
Concen: 13.184 ppbv
RT: 7.467 min Scan# 2280
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

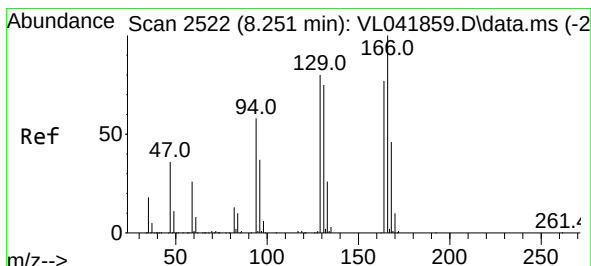
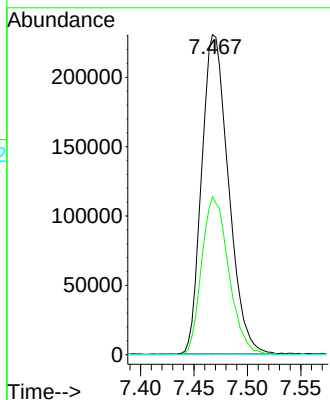
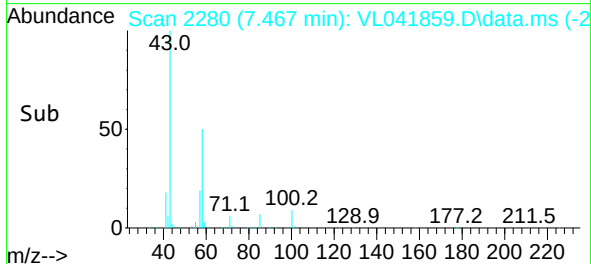
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 402499
Ion Ratio Lower Upper
43 100
58 50.0 33.8 50.8
98 0.1 0.7 1.1

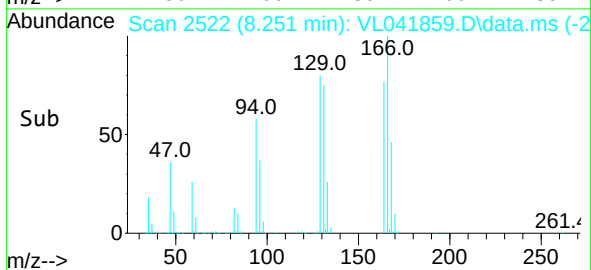
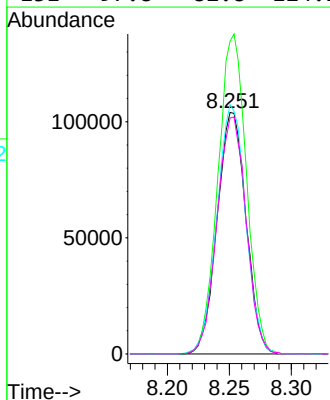
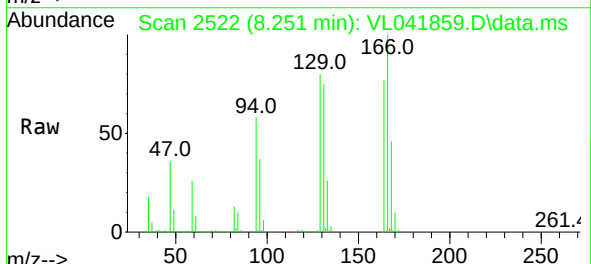
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APPROVED

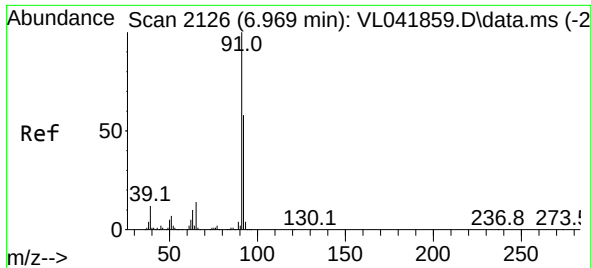
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#52
Tetrachloroethene
Concen: 13.435 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

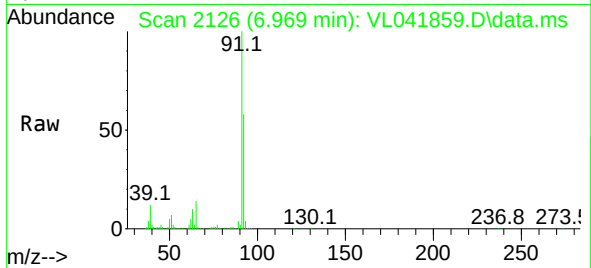
Tgt Ion:164 Resp: 168568
Ion Ratio Lower Upper
164 100
166 129.5 100.4 150.6
129 103.2 85.9 128.9
131 97.8 82.8 124.2





#53
Toluene
Concen: 15.242 ppbv
RT: 6.969 min Scan# 2126
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

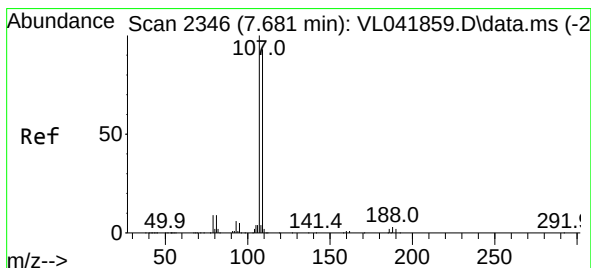
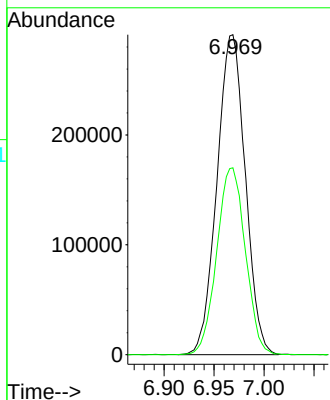
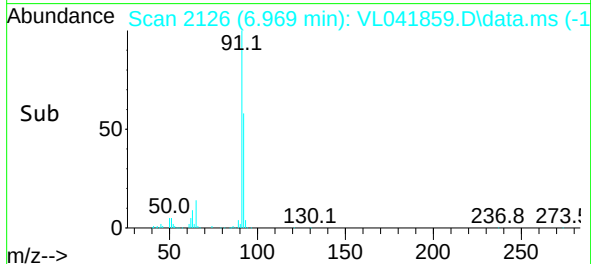
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



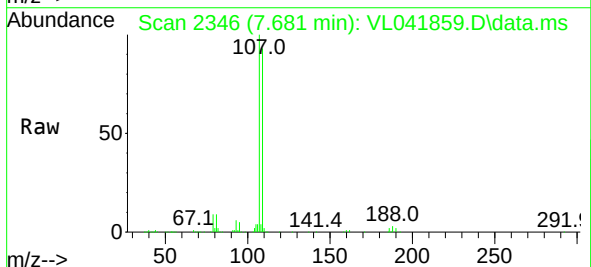
Tgt Ion: 91 Resp: 574578
Ion Ratio Lower Upper
91 100
92 59.0 47.8 71.6

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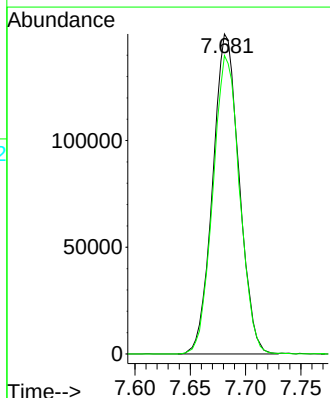
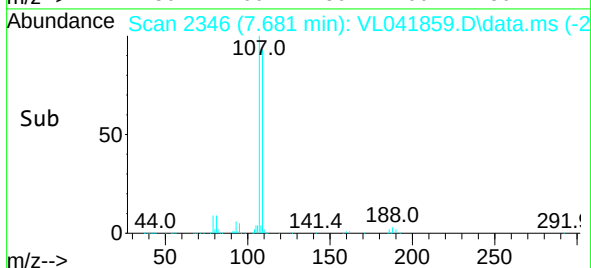
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

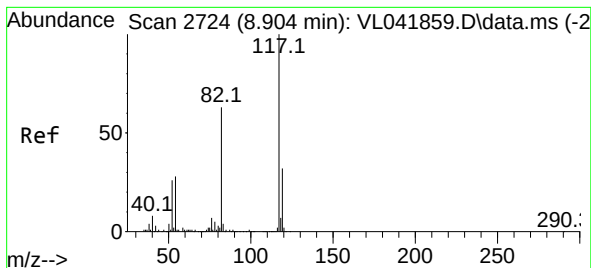


#54
1,2-Dibromoethane
Concen: 11.739 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion:107 Resp: 248821
Ion Ratio Lower Upper
107 100
109 93.3 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 2724

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 410499

Ion Ratio Lower Upper

117 100

82 68.1 59.1 88.7

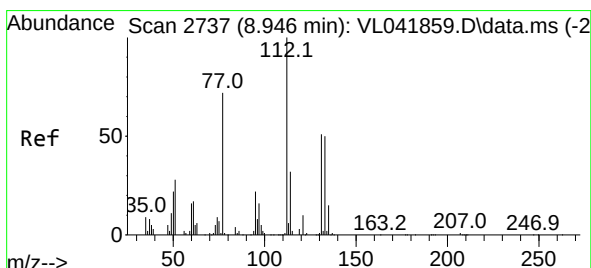
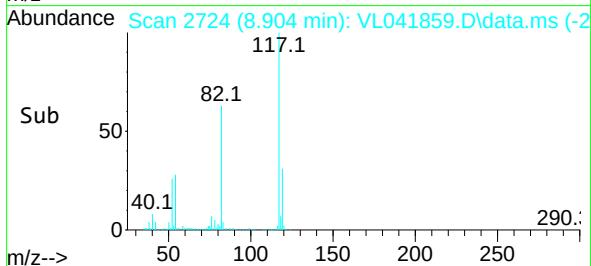
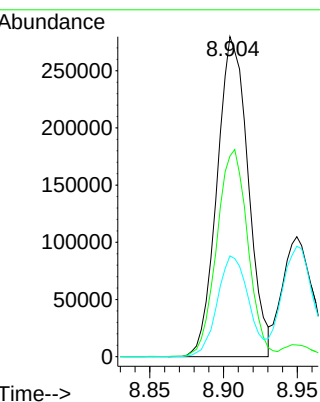
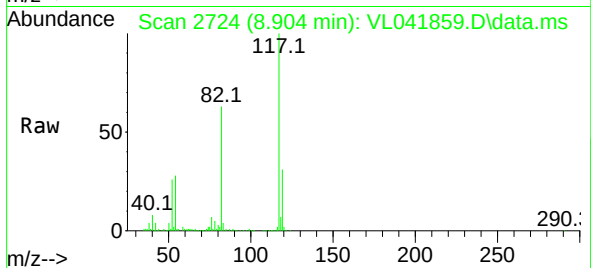
119 30.8 27.3 40.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.592 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

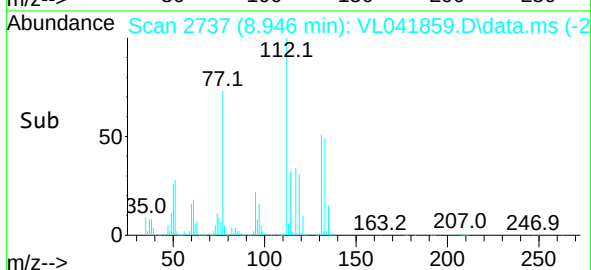
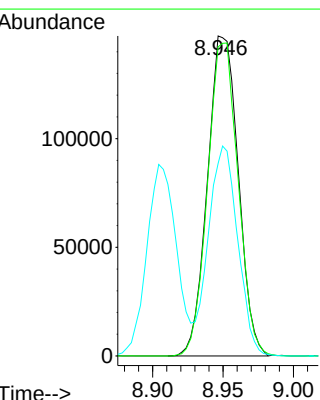
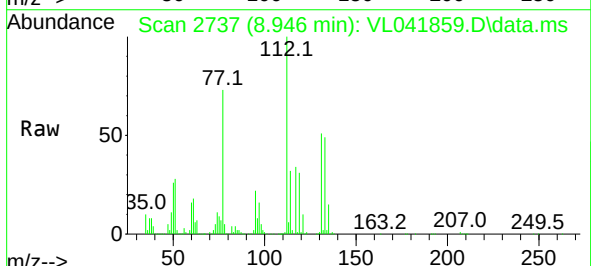
Tgt Ion:131 Resp: 224424

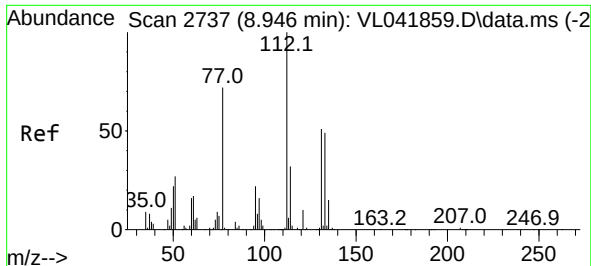
Ion Ratio Lower Upper

131 100

133 96.8 77.3 115.9

119 61.7 50.6 76.0





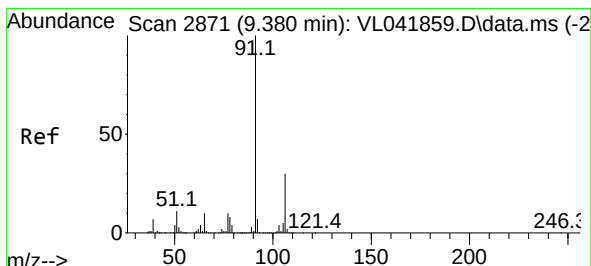
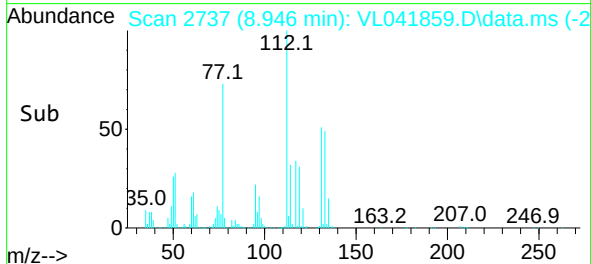
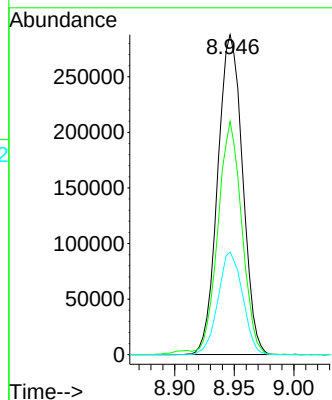
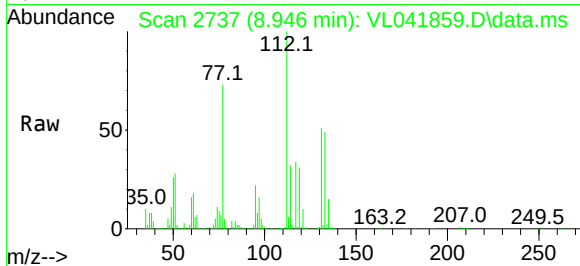
#57
Chlorobenzene
Concen: 9.725 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 417085
Ion Ratio Lower Upper
112 100
77 72.9 55.1 82.7
114 32.1 28.3 34.5

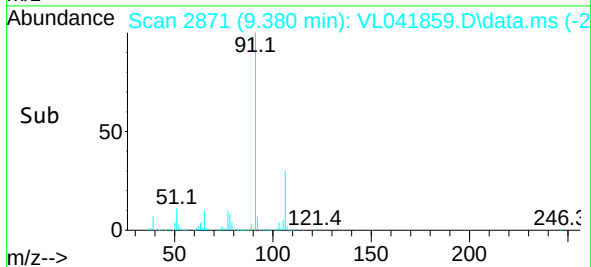
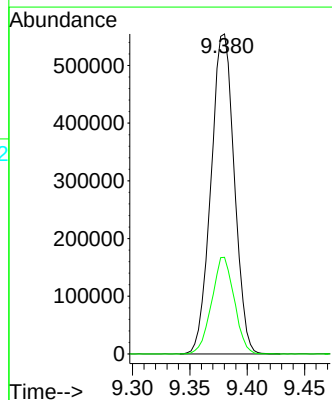
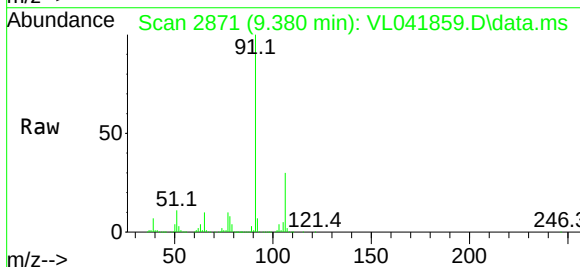
Manual Integrations
APPROVED

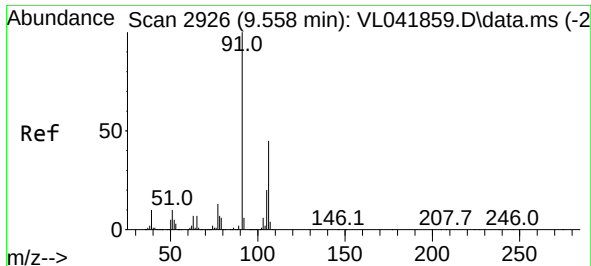
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 13.992 ppbv
RT: 9.380 min Scan# 2871
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 91 Resp: 782806
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8





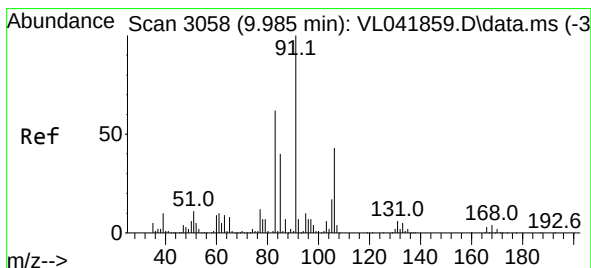
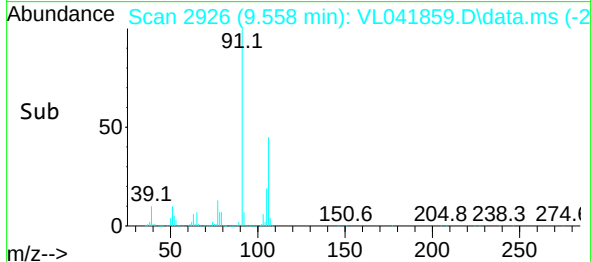
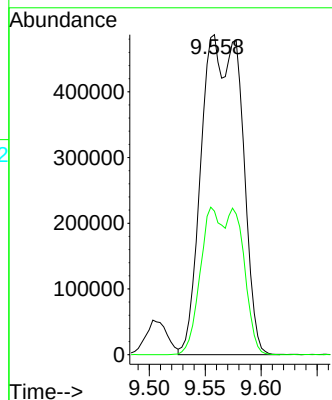
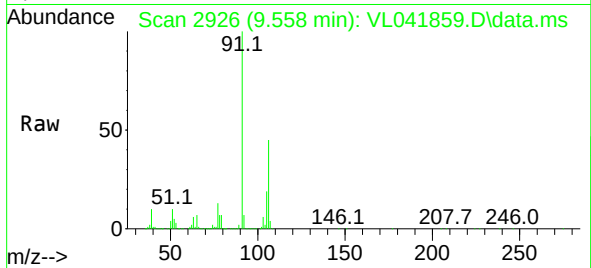
#59
m/p-Xylene
Concen: 24.712 ppbv m
RT: 9.558 min Scan# 2926
Delta R.T. -0.006 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 1220360
Ion Ratio Lower Upper
91 100
106 0.0 36.8 55.2

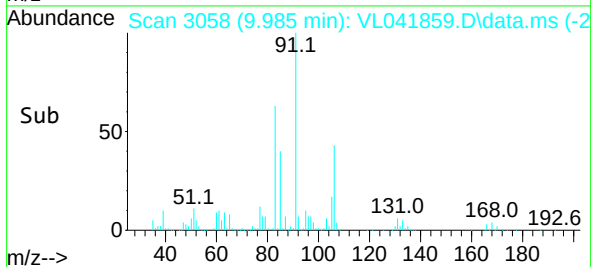
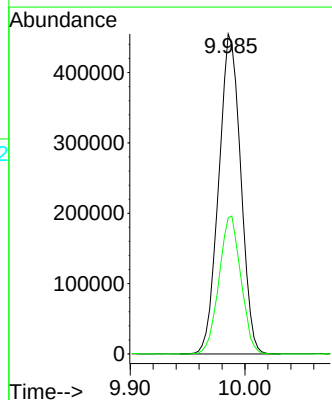
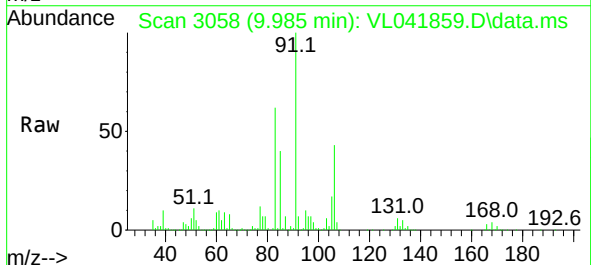
Manual Integrations
APPROVED

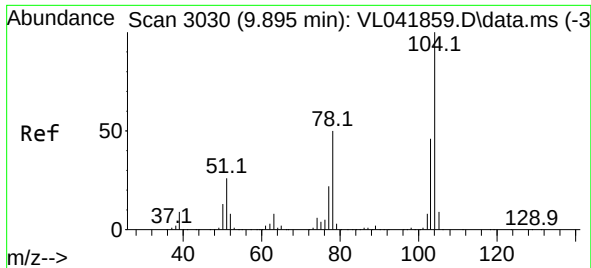
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 12.598 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

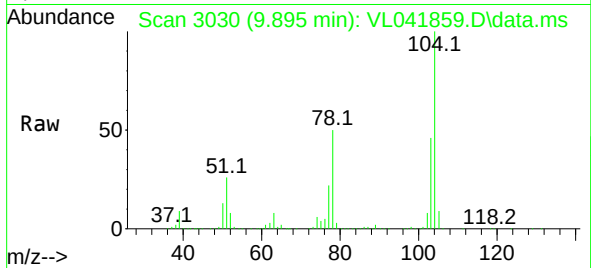
Tgt Ion: 91 Resp: 605176
Ion Ratio Lower Upper
91 100
106 42.9 21.9 65.5





#61
Styrene
Concen: 16.935 ppbv
RT: 9.895 min Scan# 3030
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

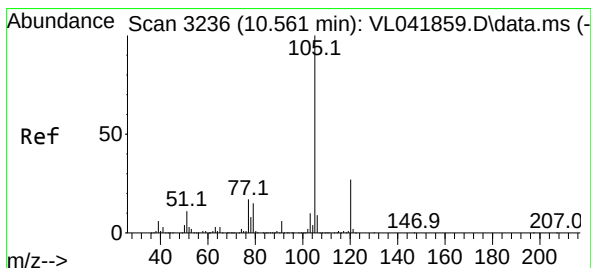
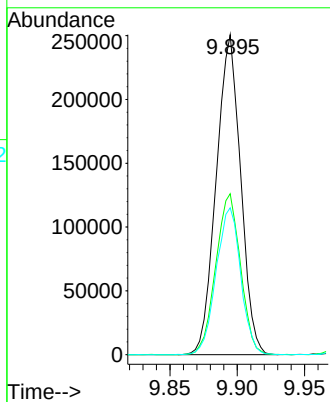
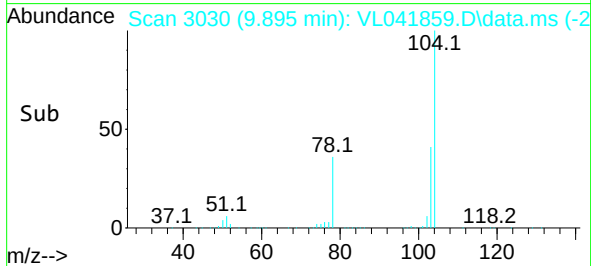
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010



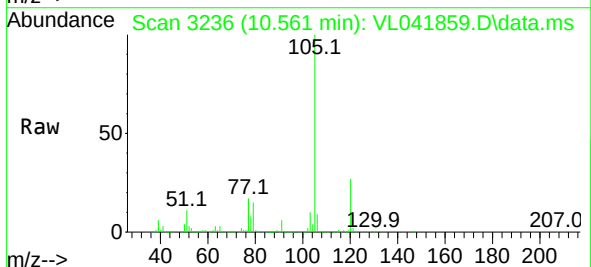
Tgt Ion:104 Resp: 315614
Ion Ratio Lower Upper
104 100
78 50.9 42.8 64.2
103 46.3 37.8 56.6

Manual Integrations
APPROVED

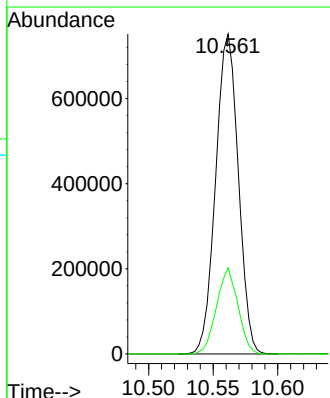
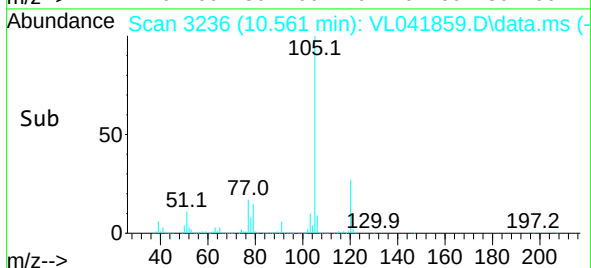
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

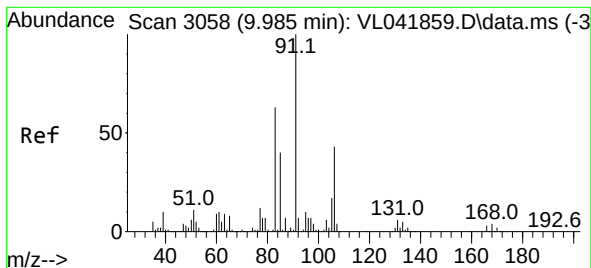


#62
Isopropylbenzene
Concen: 12.133 ppbv
RT: 10.561 min Scan# 3236
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion:105 Resp: 915687
Ion Ratio Lower Upper
105 100
120 25.4 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.601 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 362310

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

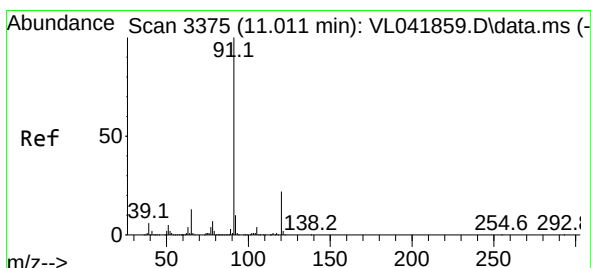
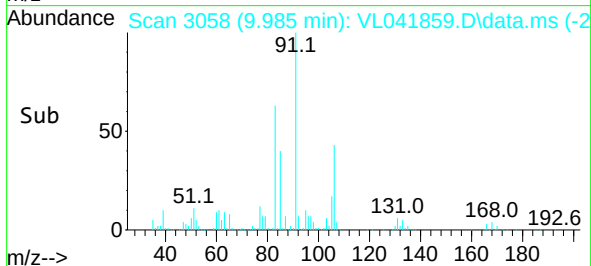
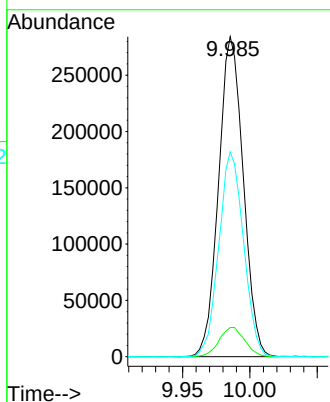
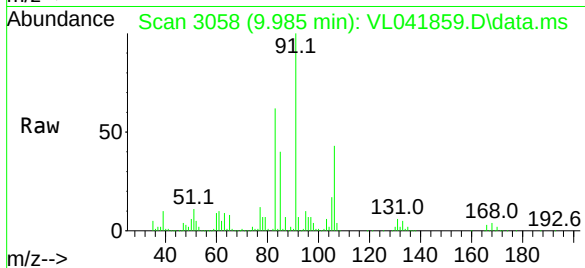
85 64.2 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#64

n-propylbenzene

Concen: 12.147 ppbv

RT: 11.011 min Scan# 3375

Delta R.T. 0.010 min

Lab File: VL041859.D

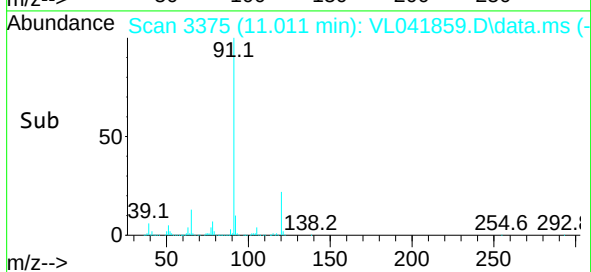
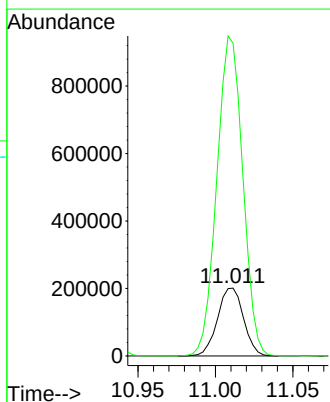
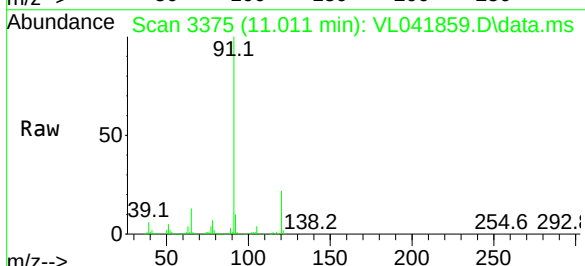
Acq: 09 Jan 2025 11:19

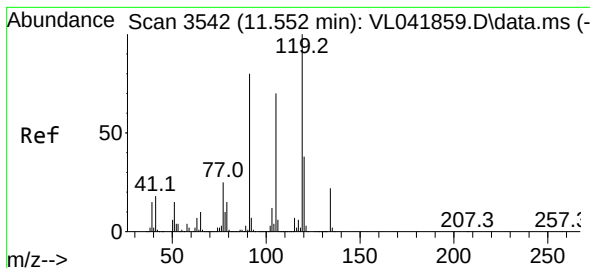
Tgt Ion:120 Resp: 235202

Ion Ratio Lower Upper

120 100

91 471.1 382.1 573.1





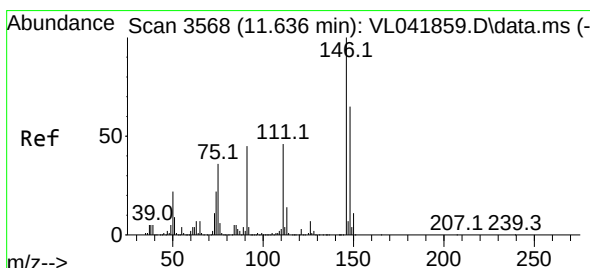
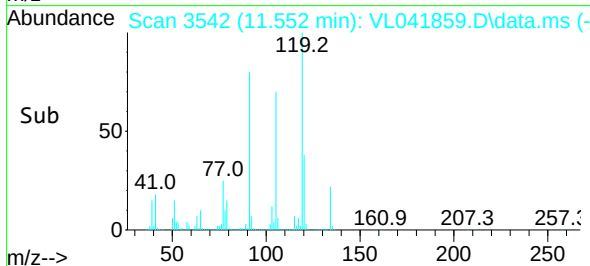
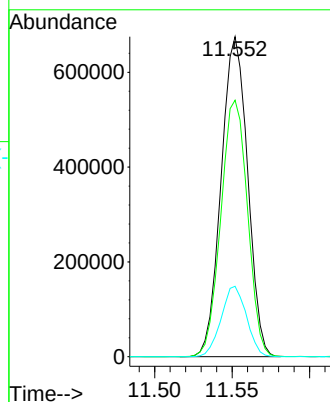
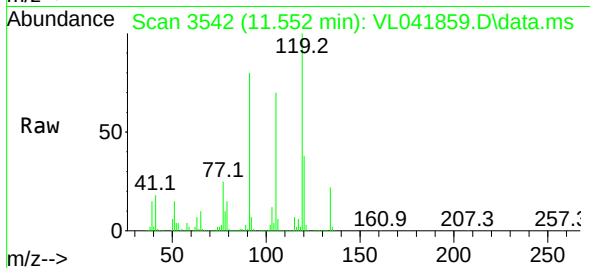
#65
tert-Butylbenzene
Concen: 11.792 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 80198
Ion Ratio Lower Upper
119 100
91 80.8 68.0 102.0
134 21.1 16.2 24.4

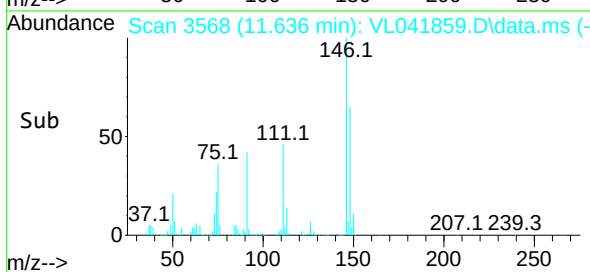
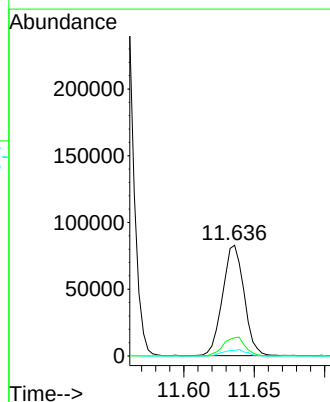
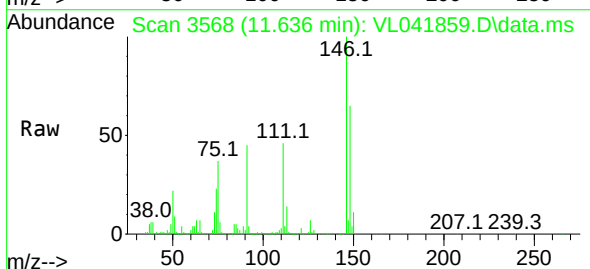
Manual Integrations
APPROVED

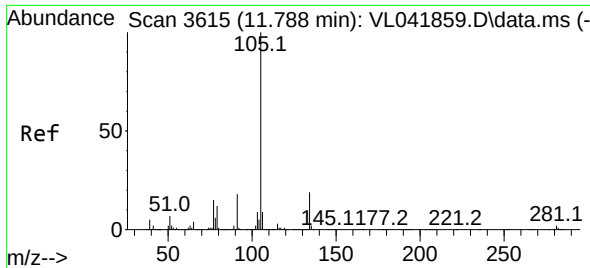
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#66
Benzyl Chloride
Concen: 15.512 ppbv
RT: 11.636 min Scan# 3568
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

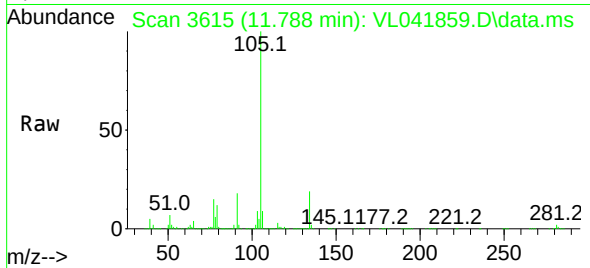
Tgt Ion: 91 Resp: 88168
Ion Ratio Lower Upper
91 100
126 17.4 12.1 18.1
128 6.0 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 11.087 ppbv
 RT: 11.788 min Scan# 3615
 Delta R.T. 0.007 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

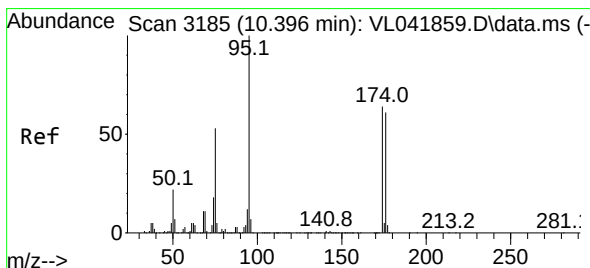
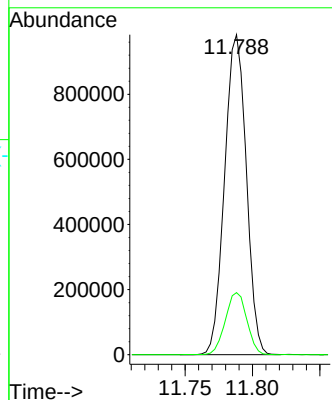
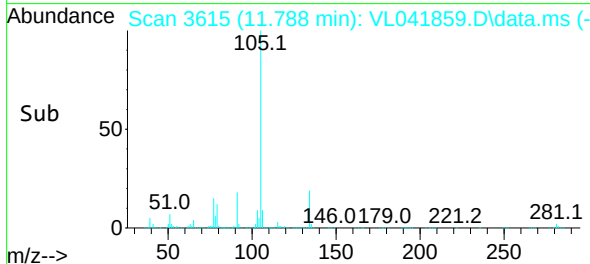
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:105 Resp: 1100240
 Ion Ratio Lower Upper
 105 100
 134 19.3 14.6 22.0

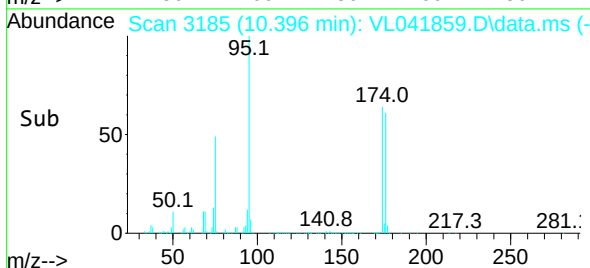
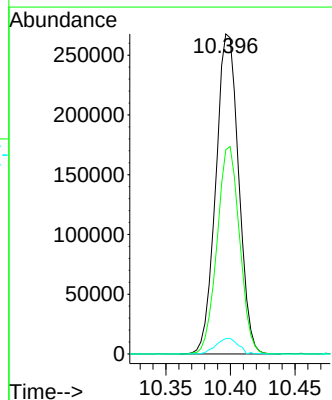
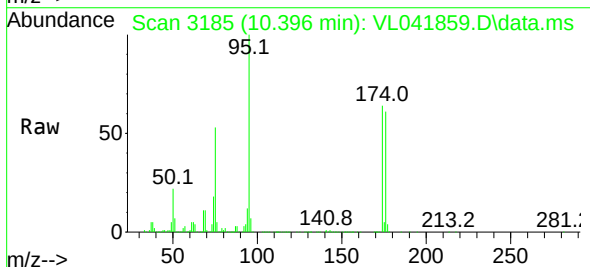
Manual Integrations
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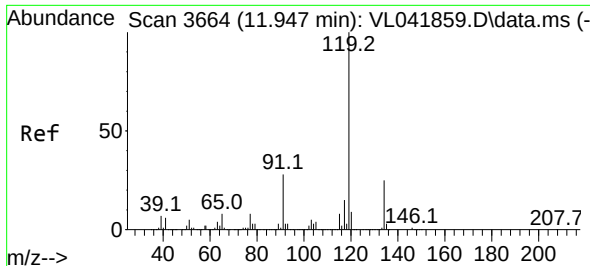
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.353 ppbv
 RT: 10.396 min Scan# 3185
 Delta R.T. 0.007 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion: 95 Resp: 328846
 Ion Ratio Lower Upper
 95 100
 174 63.9 47.6 71.4
 175 4.8 3.8 5.6





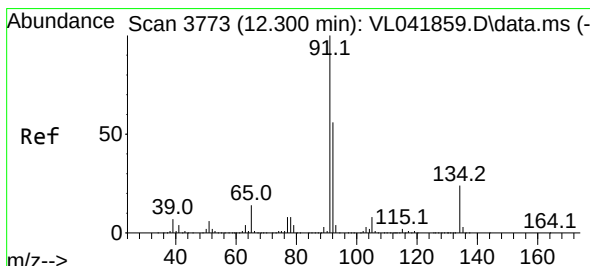
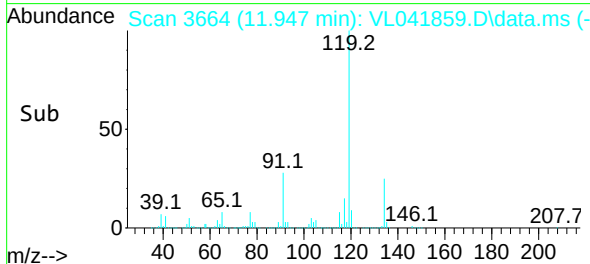
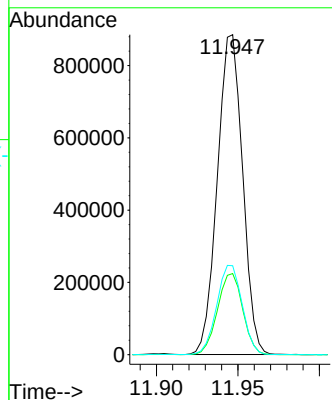
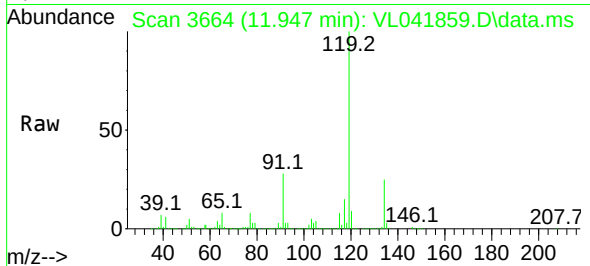
#69
p-Isopropyltoluene
Concen: 12.230 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.010 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 95286
Ion Ratio Lower Upper
119 100
134 25.4 19.4 29.2
91 28.3 24.0 36.0

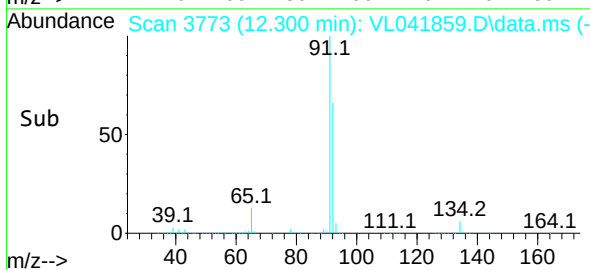
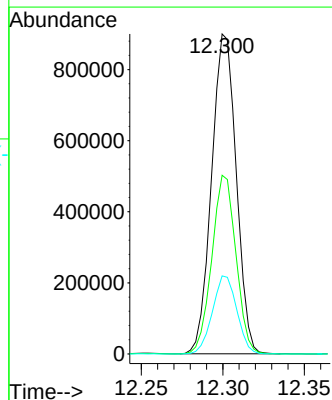
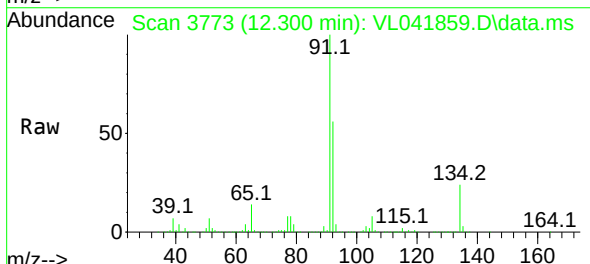
Manual Integrations
APPROVED

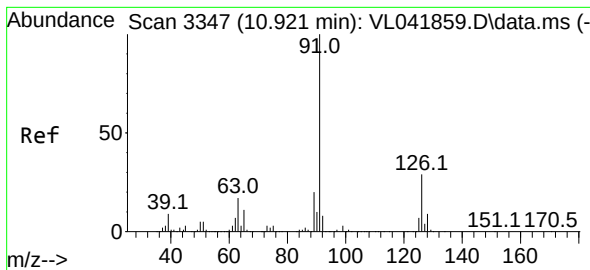
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#70
n-Butylbenzene
Concen: 12.097 ppbv
RT: 12.300 min Scan# 3773
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

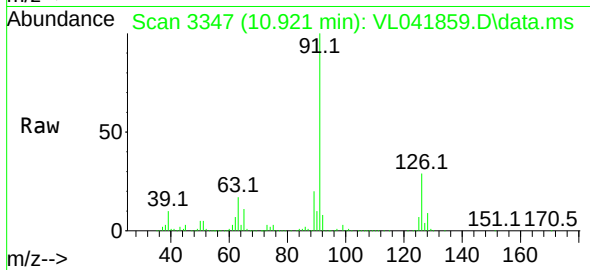
Tgt Ion: 91 Resp: 946867
Ion Ratio Lower Upper
91 100
92 54.8 42.8 64.2
134 24.1 17.8 26.6





#71
2-Chlorotoluene
Concen: 12.787 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

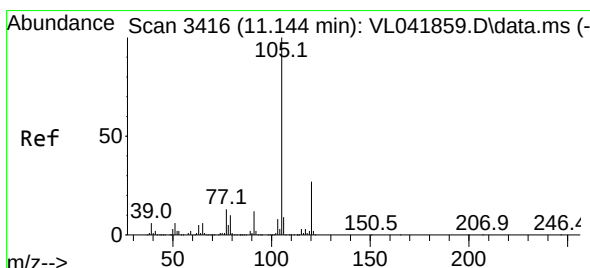
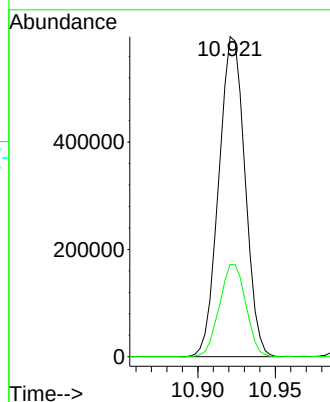
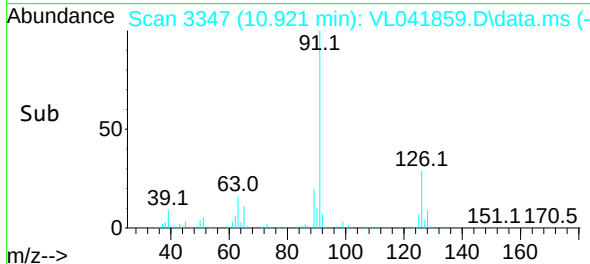
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



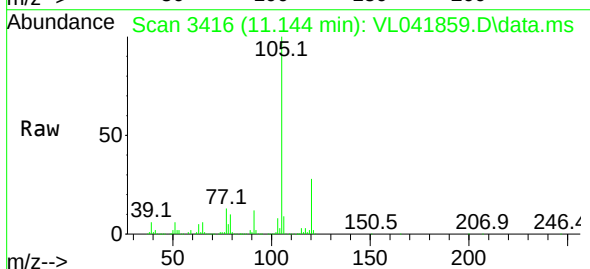
Tgt Ion: 91 Resp: 700520
Ion Ratio Lower Upper
91 100
126 29.1 11.6 46.6

Manual Integrations
APPROVED

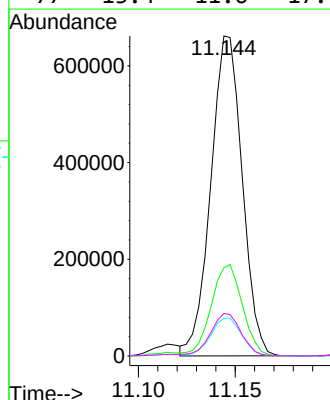
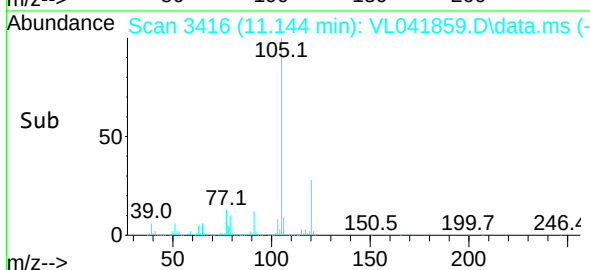
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

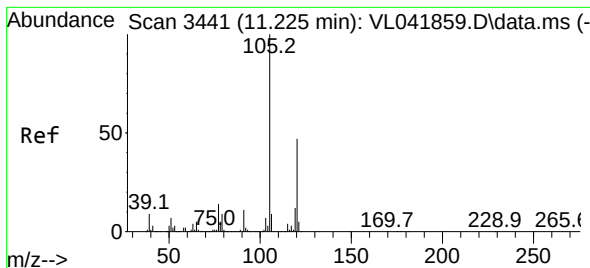


#72
4-Ethyltoluene
Concen: 12.837 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



Tgt Ion:105 Resp: 745709
Ion Ratio Lower Upper
105 100
120 29.4 23.4 35.2
91 12.3 10.8 16.2
77 13.4 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 12.361 ppbv

RT: 11.225 min Scan# 3441

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 62892

Ion Ratio Lower Upper

105 100

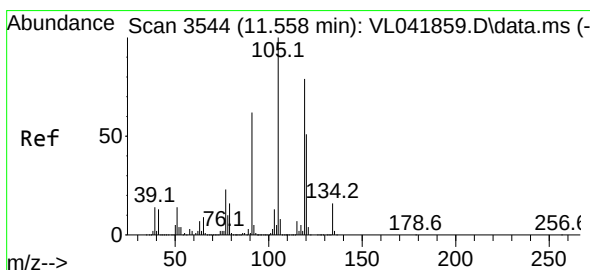
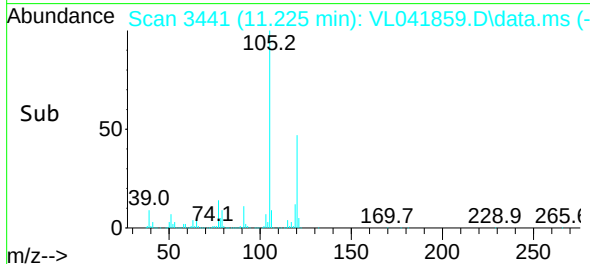
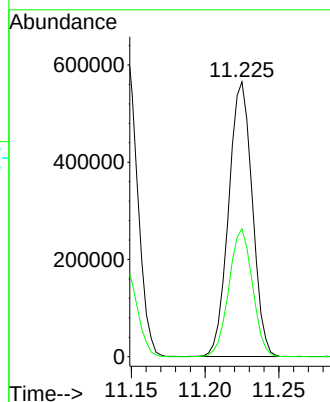
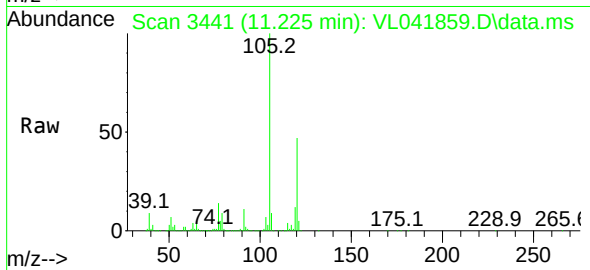
120 46.5 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.261 ppbv

RT: 11.558 min Scan# 3544

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion:105 Resp: 663696

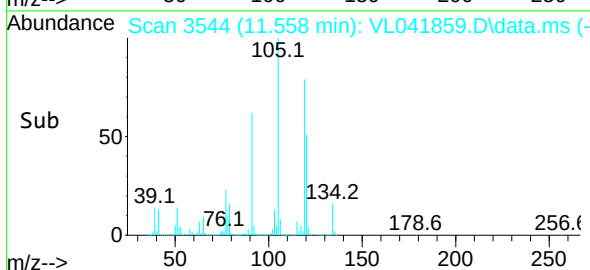
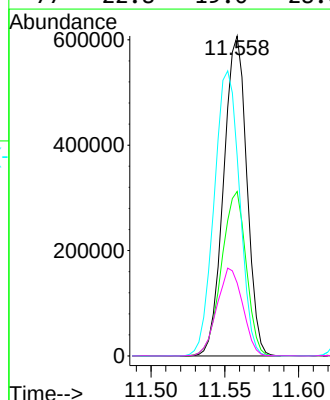
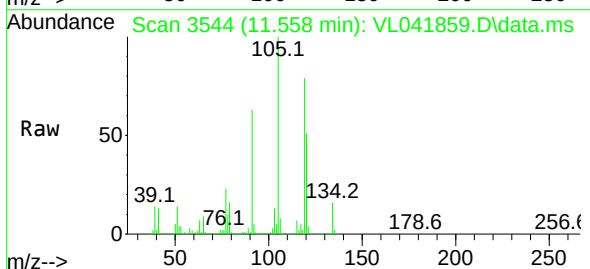
Ion Ratio Lower Upper

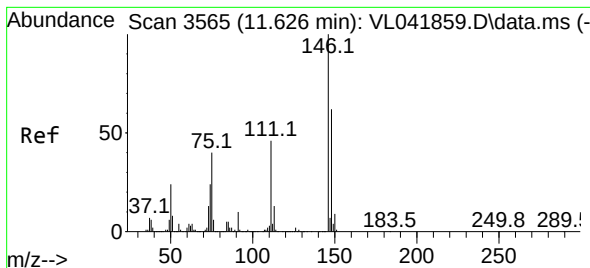
105 100

120 51.4 37.4 56.0

91 62.5 47.4 71.2

77 22.8 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 10.056 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 396672

Ion Ratio Lower Upper

146 100

111 46.3 24.1 72.2

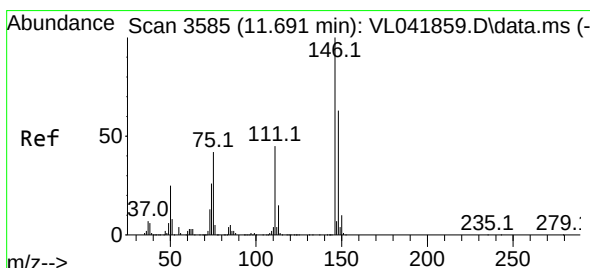
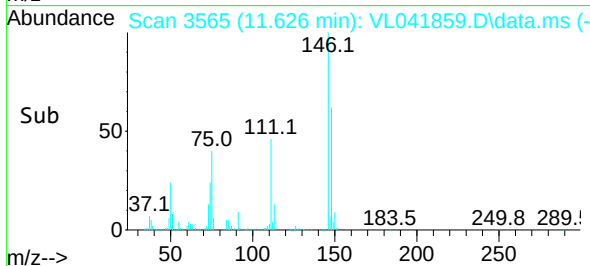
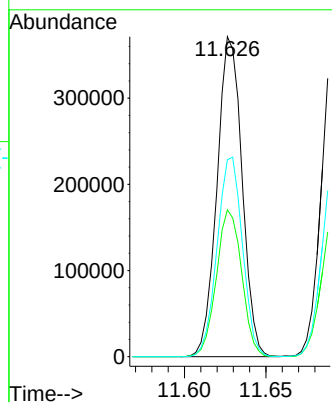
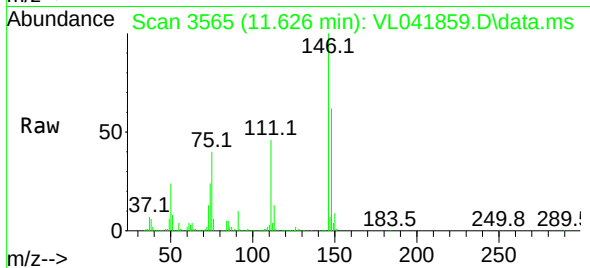
148 63.1 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#76

1,4-Dichlorobenzene

Concen: 10.448 ppbv

RT: 11.691 min Scan# 3585

Delta R.T. 0.007 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

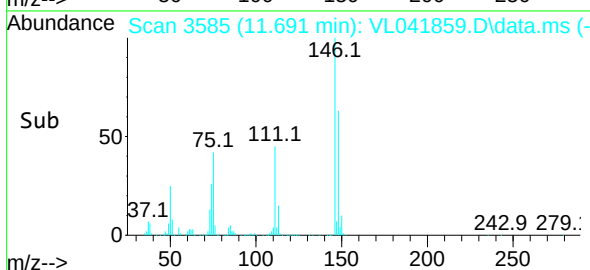
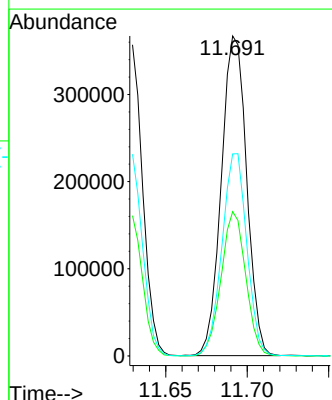
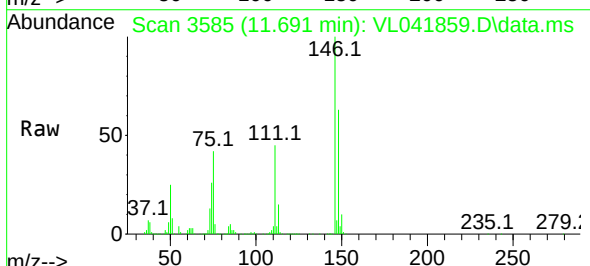
Tgt Ion:146 Resp: 396593

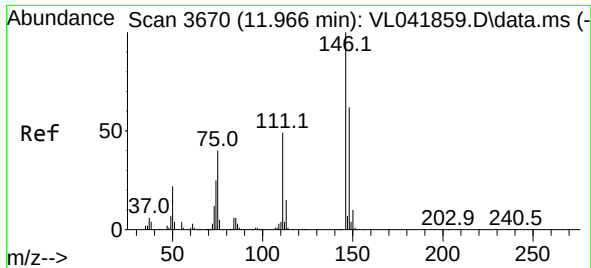
Ion Ratio Lower Upper

146 100

111 44.1 23.2 69.6

148 62.4 32.1 96.3





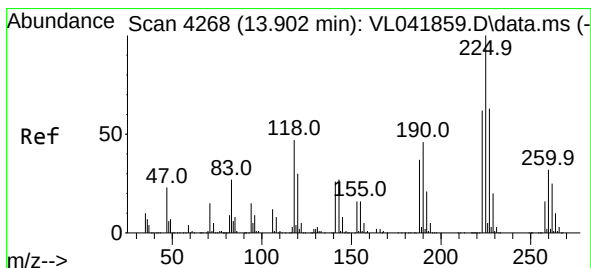
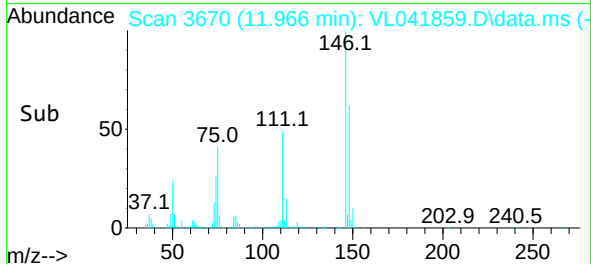
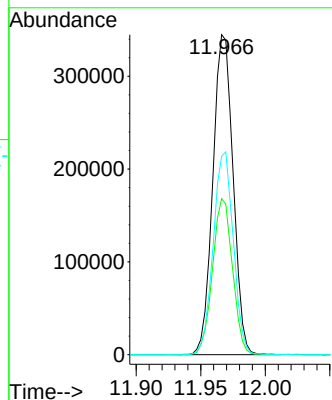
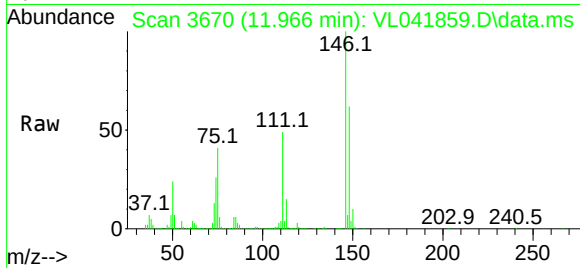
#77
1,2-Dichlorobenzene
Concen: 9.138 ppbv
RT: 11.966 min Scan# 3670
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 37562
Ion Ratio Lower Upper
146 100
111 48.2 24.7 74.1
148 63.0 31.5 94.5

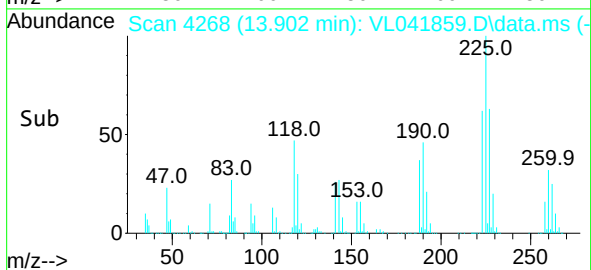
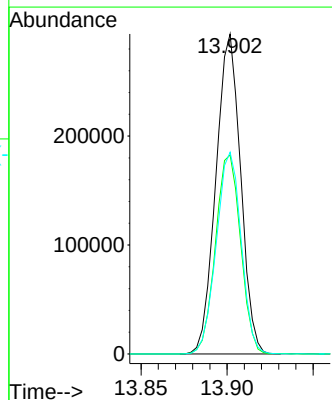
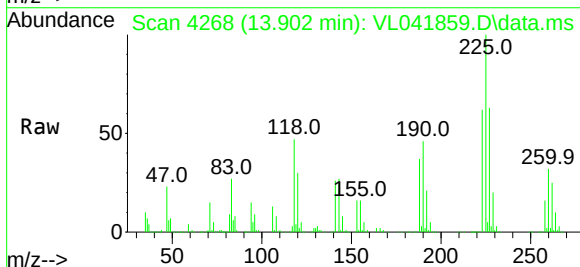
Manual Integrations
APPROVED

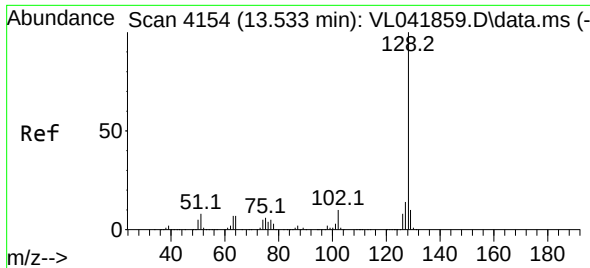
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#78
Hexachloro-1,3-Butadiene
Concen: 10.050 ppbv
RT: 13.902 min Scan# 4268
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

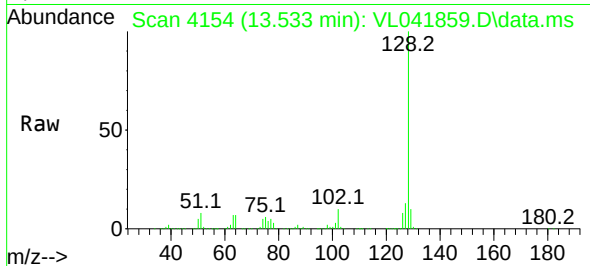
Tgt Ion:225 Resp: 293286
Ion Ratio Lower Upper
225 100
223 63.2 50.4 75.6
227 63.6 51.2 76.8





#79
Naphthalene
Concen: 14.936 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

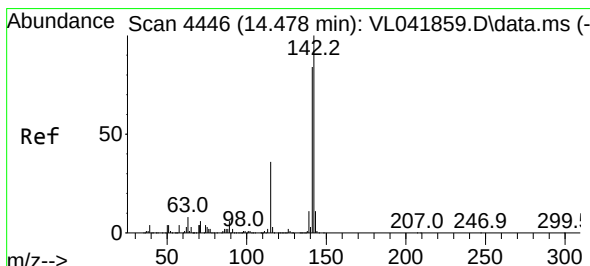
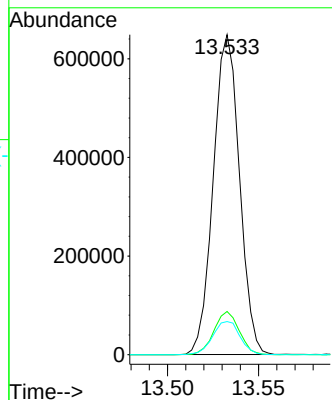
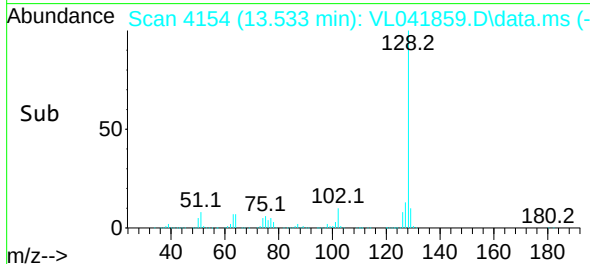
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



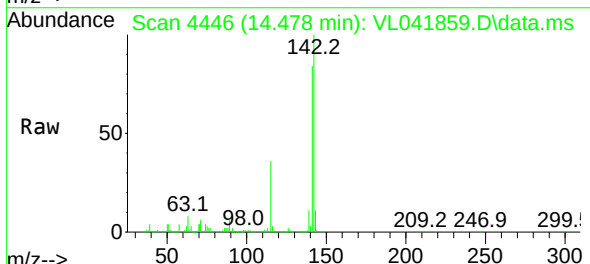
Tgt Ion:128 Resp: 648444
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 10.3 8.2 12.4

Manual Integrations
APPROVED

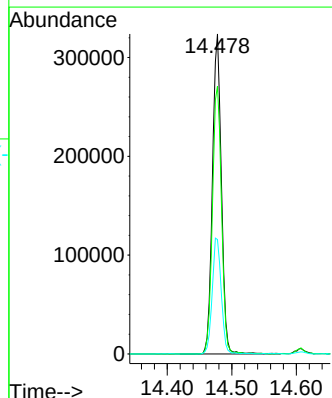
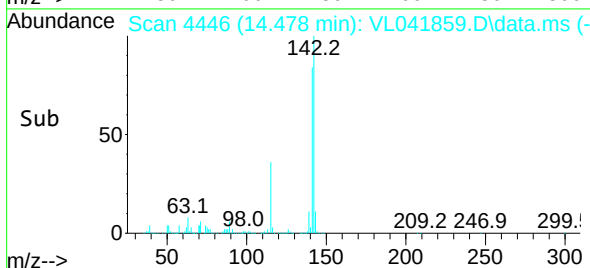
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

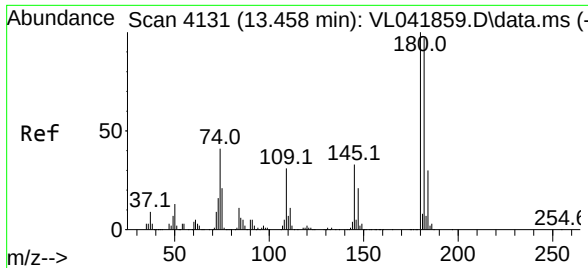


#80
Naphthalene,2-methyl-
Concen: 19.488 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.007 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19



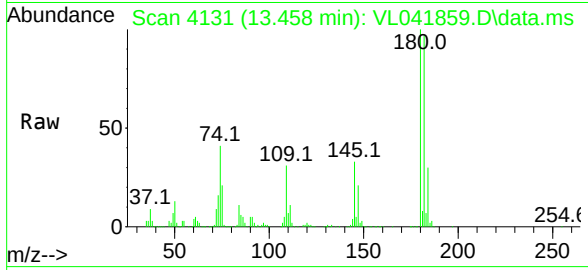
Tgt Ion:142 Resp: 313133
Ion Ratio Lower Upper
142 100
141 85.3 67.8 101.6
115 36.8 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 13.033 ppbv
 RT: 13.458 min Scan# 4131
 Delta R.T. 0.003 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

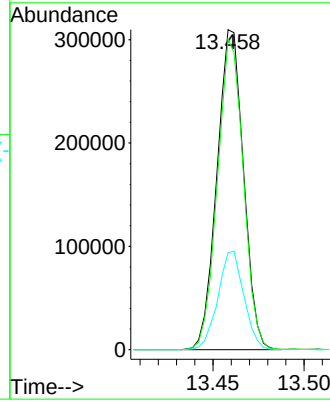
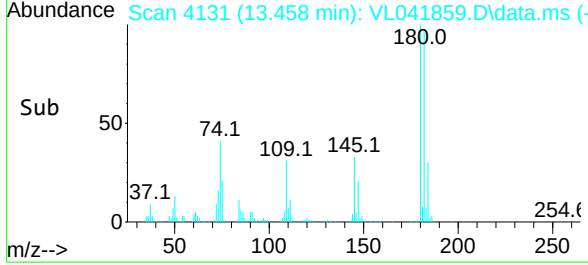
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:180 Resp: 31360
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.9 113.9
 184 30.1 24.8 37.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041860.D
 Acq On : 09 Jan 2025 11:52
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 12:25:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	145561	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	440592	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	401428	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 324737 9.445 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	47849	2.003	ppbv	98
3) Chlorodifluoromethane	1.483	51	54584	2.392	ppbv	98
4) Chloromethane	1.541	50	19879	2.024	ppbv	92
5) Vinyl Chloride	1.589	62	18283	1.846	ppbv	96
6) Bromomethane	1.677	94	9801	2.310	ppbv	94
7) Chloroethane	1.712	64	7947	2.084	ppbv	98
8) Dichlorotetrafluoroethane	1.560	85	44848	2.176	ppbv	100
9) Propene	1.489	41	24915	3.136	ppbv	100
10) Heptane	5.011	43	66122	3.369	ppbv	93
11) Trichlorofluoromethane	1.887	101	52216	2.150	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.153	101	41991	2.322	ppbv	94
13) Ethanol	1.729	45	1802m	1.994	ppbv	
14) Bromoethene	1.790	108	15205	2.568	ppbv	97
15) Acetone	1.845	43	52918	1.975	ppbv	90
16) 1,3-Butadiene	1.615	39	20658	1.966	ppbv	88
17) tert-Butyl alcohol	2.052	59	58092	2.502	ppbv #	94
18) 1,1-Dichloroethene	2.046	96	18153	2.397	ppbv	84
19) Isopropyl Alcohol	1.897	45	26028	2.069	ppbv #	96
20) Methylene Chloride	2.072	84	17135	2.237	ppbv	83
21) Allyl Chloride	2.107	41	32414	2.348	ppbv	91
22) trans-1,2-Dichloroethene	2.353	96	21862	2.583	ppbv	94
23) Vinyl Acetate	2.476	43	30926	3.598	ppbv #	95
24) 1,1-Dichloroethane	2.424	63	40950	2.211	ppbv	99
25) Ethyl Acetate	2.855	43	126167	2.807	ppbv #	96
26) Hexane	2.842	57	52287	3.352	ppbv	87
27) Carbon Disulfide	2.162	76	50347	3.401	ppbv	95
28) Methyl tert-Butyl Ether	2.457	73	43777	3.724	ppbv	99
29) Chloroform	2.865	83	74846	2.583	ppbv	97
30) Cyclohexane	3.878	84	46542	3.933	ppbv #	85
31) cis-1,2-Dichloroethene	2.738	61	50096	3.120	ppbv	98
32) 1,1,1-Trichloroethane	3.389	97	72210	2.750	ppbv	93
34) 2-Butanone	2.573	43	78681	2.267	ppbv	98
35) Carbon Tetrachloride	3.790	117	69223	2.079	ppbv	90
36) Benzene	3.680	78	106654	2.534	ppbv	96
37) 1,2-Dichloroethane	3.240	62	54776	1.980	ppbv #	95
38) Trichloroethene	4.574	130	41427	2.511	ppbv	92
39) 1,2-Dichloropropane	4.347	63	37604m	2.310	ppbv	
40) 1,4-Dioxane	4.629	88	18864	2.990	ppbv #	50
41) Tetrahydrofuran	3.078	42	44570	2.724	ppbv	90
42) Bromodichloromethane	4.515	83	75424	2.324	ppbv	99
43) Methyl Methacrylate	4.920	69	42157m	3.190	ppbv	
44) 2,2,4-Trimethylpentane	4.674	57	180117	2.597	ppbv	92
45) t-1,3-Dichloropropene	6.454	75	43372	3.361	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041860.D
 Acq On : 09 Jan 2025 11:52
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 12:25:14 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	55051	3.243	ppbv	95
47) 1,1,2-Trichloroethane	6.622	97	39391m	2.287	ppbv	
48) Dibromochloromethane	7.419	129	61313	2.797	ppbv	100
49) Bromoform	9.506	173	53734	3.059	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	108191	2.698	ppbv	91
51) 2-Hexanone	7.470	43	90844	2.991	ppbv #	86
52) Tetrachloroethene	8.250	164	37701	3.020	ppbv	92
53) Toluene	6.969	91	125295	3.341	ppbv	98
54) 1,2-Dibromoethane	7.681	107	54562	2.587	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.946	131	51252	2.240	ppbv	98
57) Chlorobenzene	8.946	112	94006	2.242	ppbv	97
58) Ethyl Benzene	9.377	91	177814	3.250	ppbv	99
59) m/p-Xylene	9.571	91	278550m	5.768	ppbv	
60) o-Xylene	9.985	91	138722	2.953	ppbv	99
61) Styrene	9.891	104	68864	3.779	ppbv	97
62) Isopropylbenzene	10.558	105	212705	2.882	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.985	83	82870	2.012	ppbv	99
64) n-propylbenzene	11.008	120	54888	2.899	ppbv	100
65) tert-Butylbenzene	11.549	119	196649	2.957	ppbv	95
66) Benzyl Chloride	11.636	91	20300	3.652	ppbv	95
67) sec-Butylbenzene	11.785	105	270495	2.787	ppbv	100
69) p-Isopropyltoluene	11.943	119	229731	3.015	ppbv	97
70) n-Butylbenzene	12.299	91	230497	3.011	ppbv	98
71) 2-Chlorotoluene	10.921	91	161864	3.021	ppbv	99
72) 4-Ethyltoluene	11.144	105	175142	3.083	ppbv	98
73) 1,3,5-Trimethylbenzene	11.222	105	146927	2.953	ppbv	99
74) 1,2,4-Trimethylbenzene	11.555	105	163980	2.845	ppbv	98
75) 1,3-Dichlorobenzene	11.626	146	95654	2.480	ppbv	98
76) 1,4-Dichlorobenzene	11.691	146	95164	2.564	ppbv	97
77) 1,2-Dichlorobenzene	11.966	146	90047	2.240	ppbv	98
78) Hexachloro-1,3-Butadiene	13.898	225	81017	2.839	ppbv	98
79) Naphthalene	13.529	128	181703	4.280	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	107237	6.825	ppbv	98
81) 1,2,4-Trichlorobenzene	13.458	180	86805	3.689	ppbv	99

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

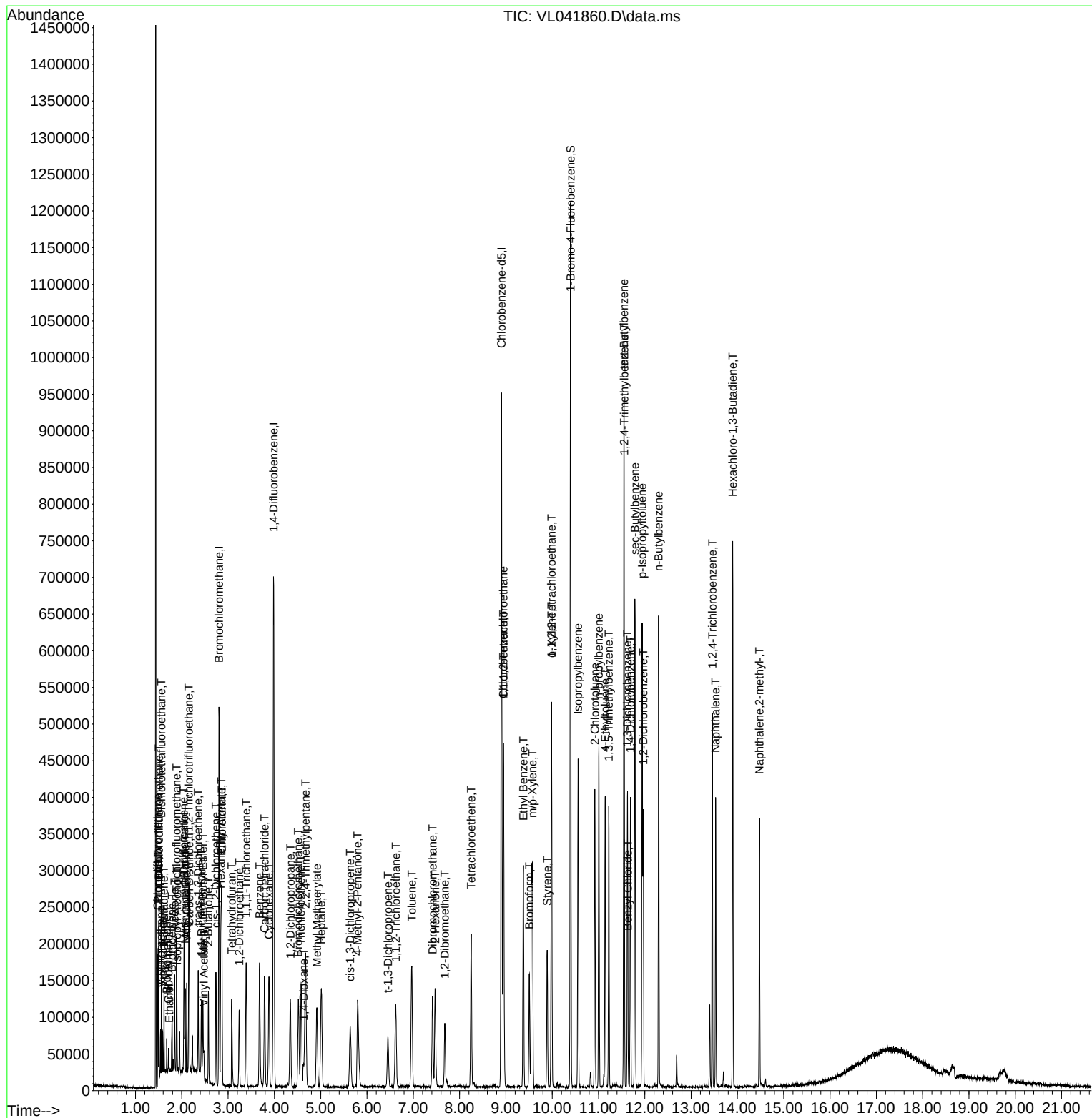
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Data File : VL041860.D
Acq On : 09 Jan 2025 11:52
Operator : SY/MD
Sample : VSTDIC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

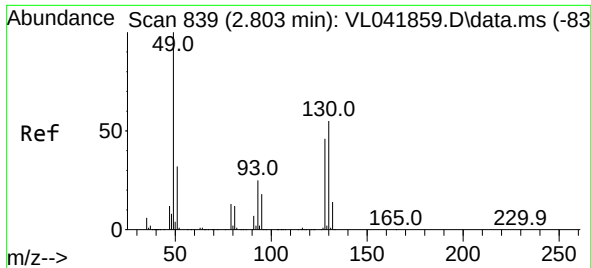
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

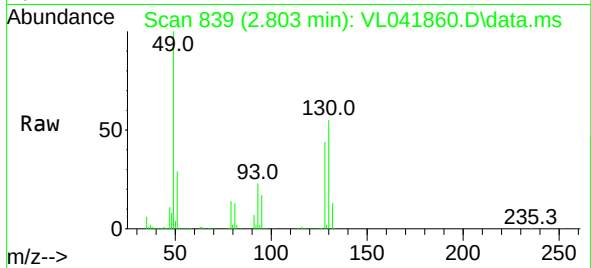
Quant Time: Jan 09 12:25:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

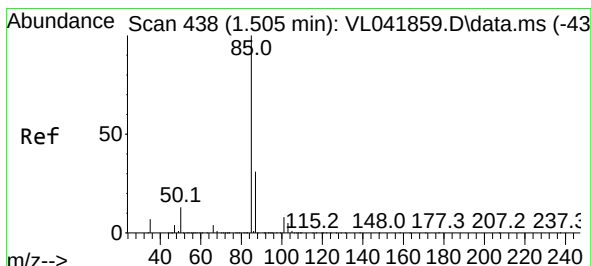
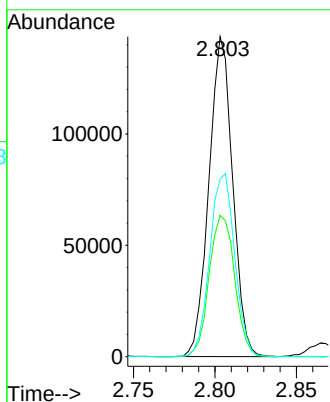
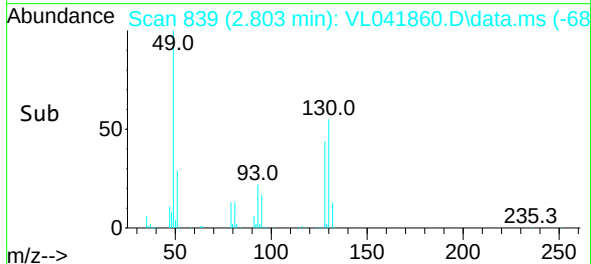
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



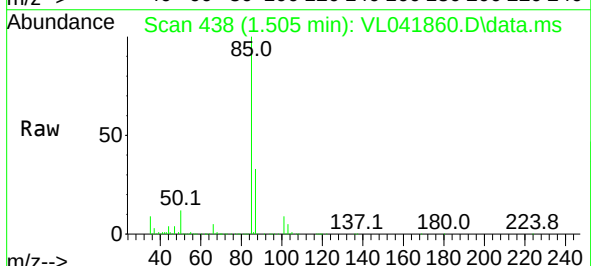
Tgt Ion: 49 Resp: 14556
Ion Ratio Lower Upper
49 100
128 47.5 19.7 59.1
130 60.1 26.4 79.2

Manual Integrations
APPROVED

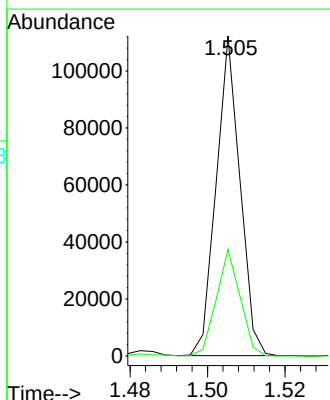
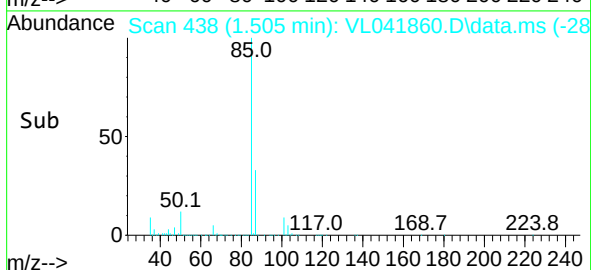
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

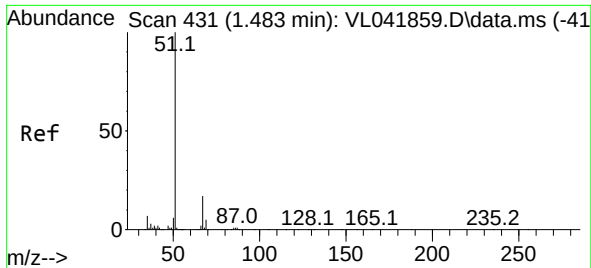


#2
Dichlorodifluoromethane
Concen: 2.003 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



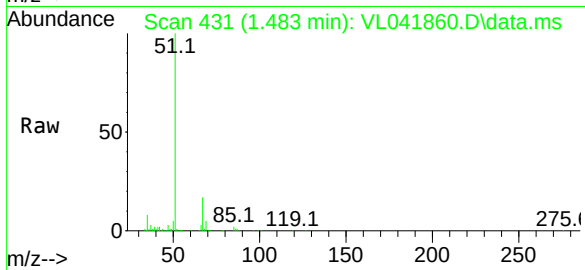
Tgt Ion: 85 Resp: 47849
Ion Ratio Lower Upper
85 100
87 33.4 25.6 38.4





#3
Chlorodifluoromethane
Concen: 2.392 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

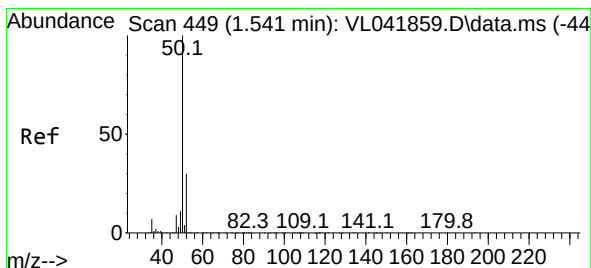
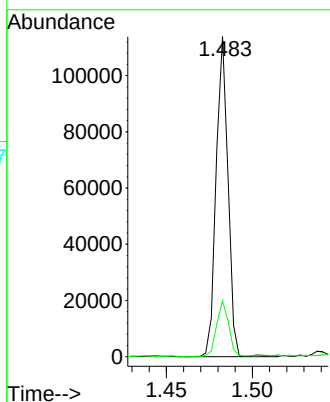
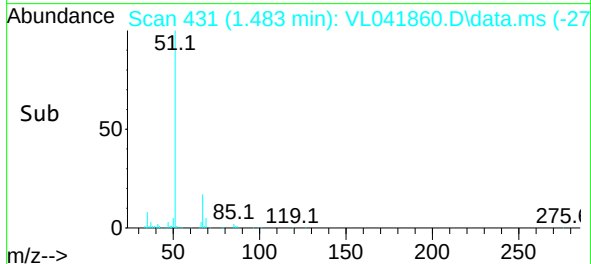
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 51 Resp: 54584
Ion Ratio Lower Upper
51 100
67 17.6 14.6 22.0

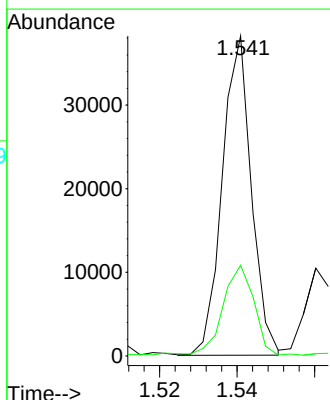
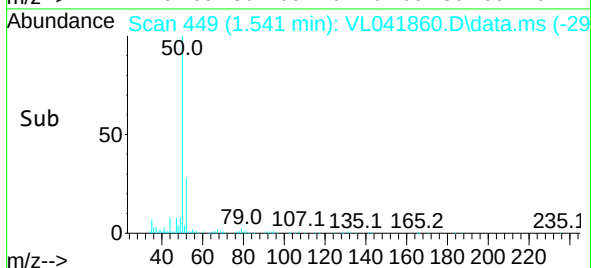
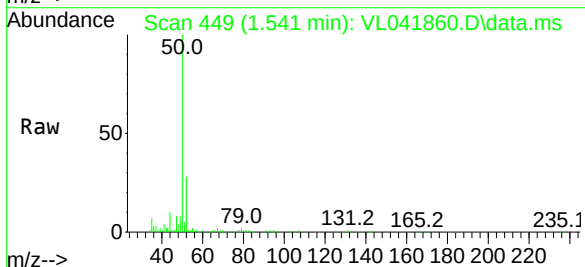
Manual Integrations
APPROVED

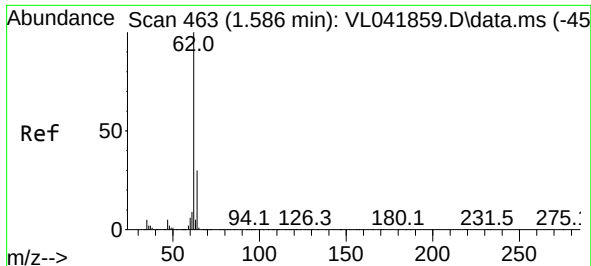
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#4
Chloromethane
Concen: 2.024 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 50 Resp: 19879
Ion Ratio Lower Upper
50 100
52 28.1 26.1 39.1





#5
 Vinyl Chloride
 Concen: 1.846 ppbv
 RT: 1.589 min Scan# 464
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

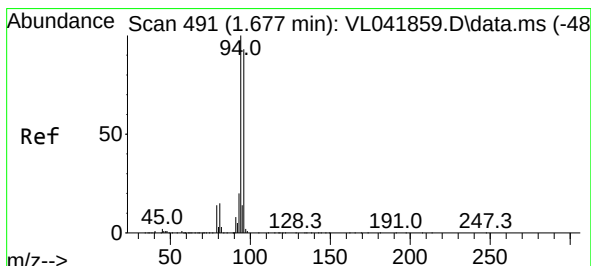
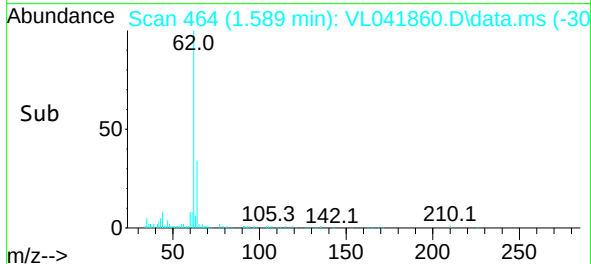
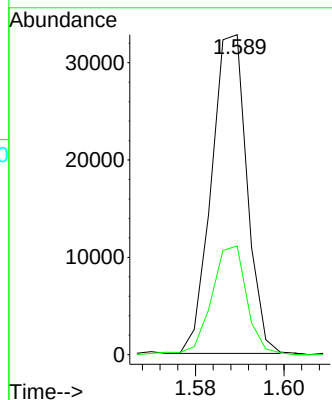
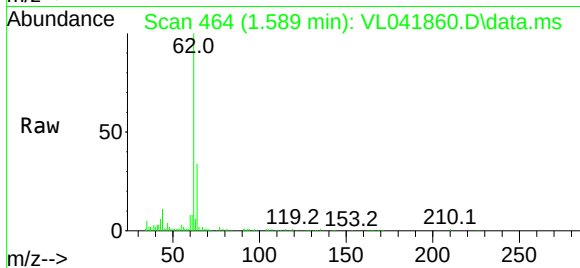
VSTDIC002

Tgt Ion: 62 Resp: 1828
 Ion Ratio Lower Upper
 62 100
 64 33.5 24.9 37.3

Manual Integrations

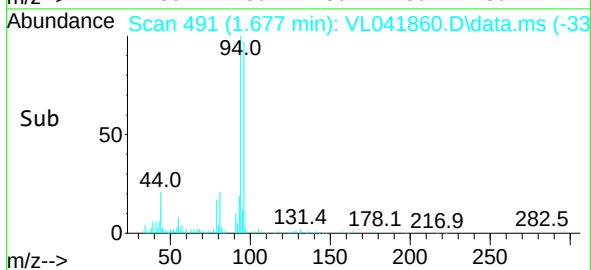
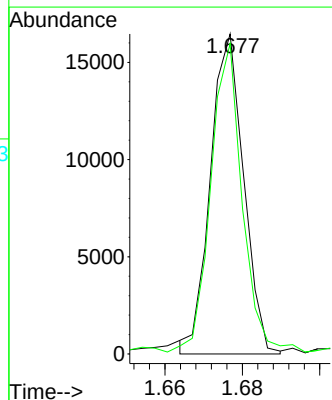
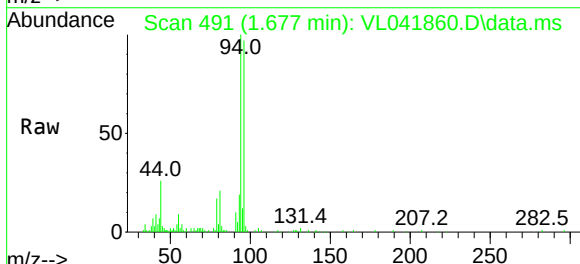
APPROVED

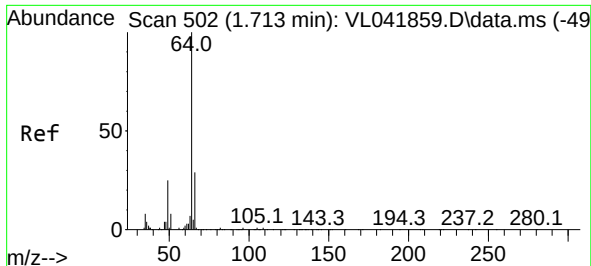
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#6
 Bromomethane
 Concen: 2.310 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

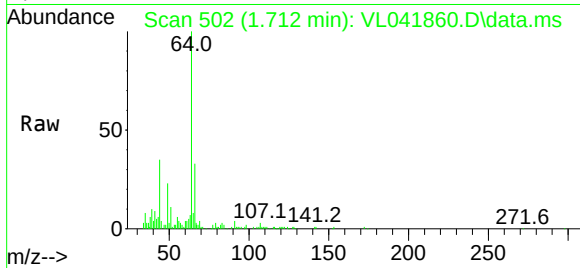
Tgt Ion: 94 Resp: 9801
 Ion Ratio Lower Upper
 94 100
 96 95.3 72.0 108.0





#7
Chloroethane
Concen: 2.084 ppbv
RT: 1.712 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

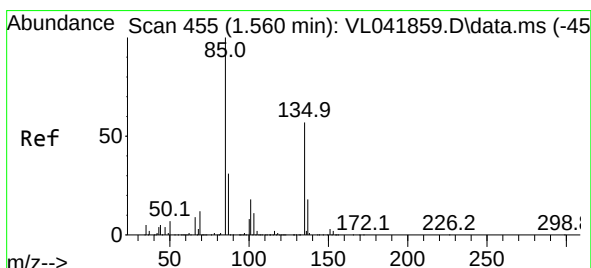
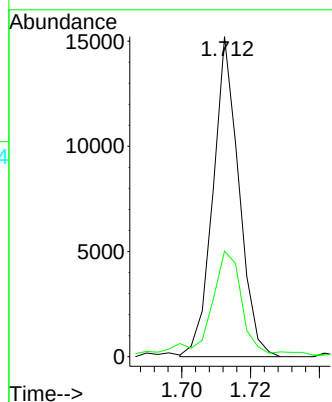
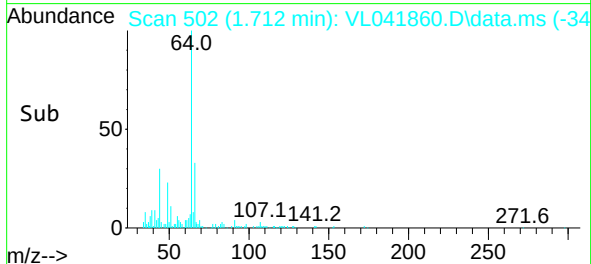
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



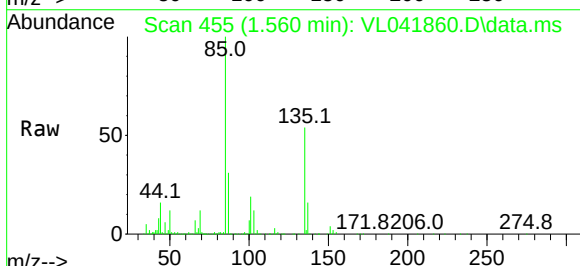
Tgt Ion: 64 Resp: 794
Ion Ratio Lower Upper
64 100
66 33.0 25.6 38.4

Manual Integrations
APPROVED

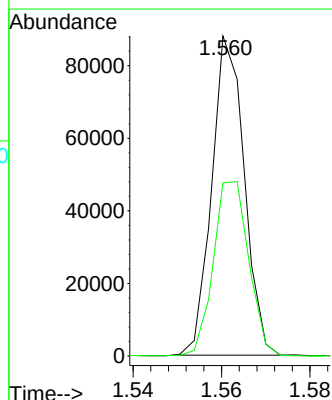
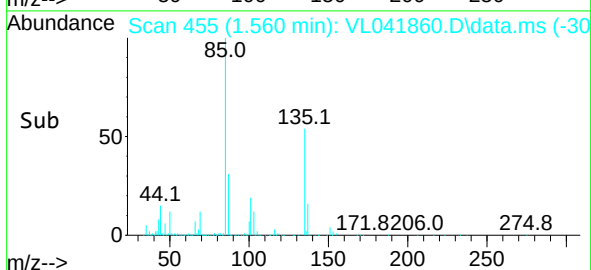
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

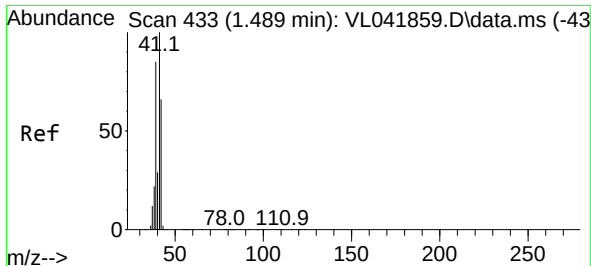


#8
Dichlorotetrafluoroethane
Concen: 2.176 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



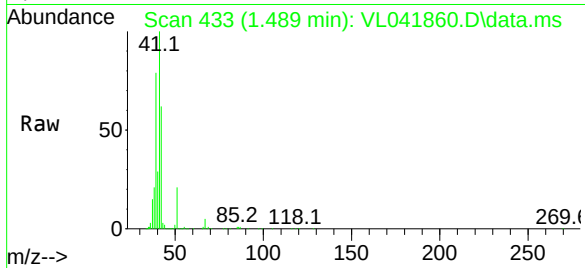
Tgt Ion: 85 Resp: 44848
Ion Ratio Lower Upper
85 100
135 60.1 47.9 71.9





#9
Propene
Concen: 3.136 ppbv
RT: 1.489 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

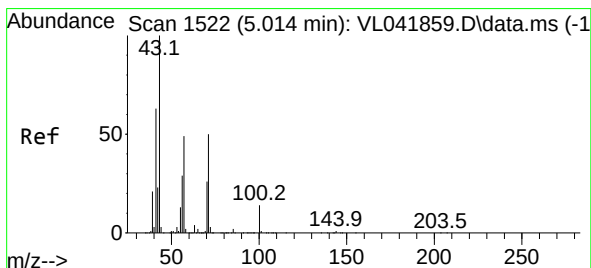
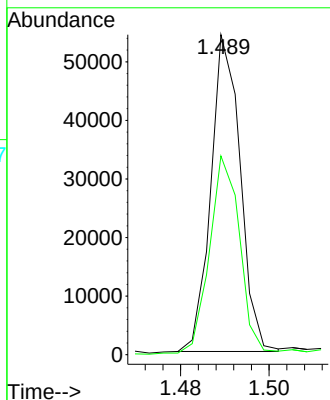
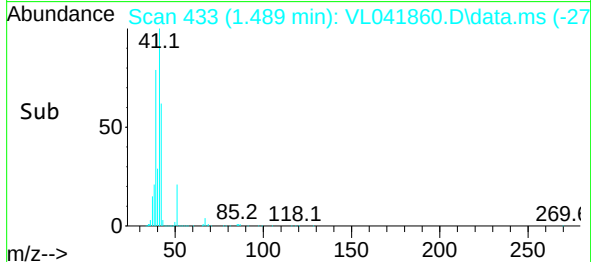
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



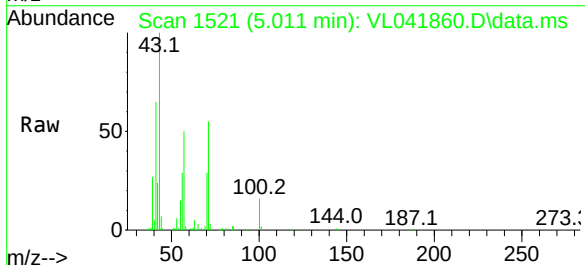
Tgt Ion: 41 Resp: 2491
Ion Ratio Lower Upper
41 100
42 68.1 54.4 81.6

Manual Integrations
APPROVED

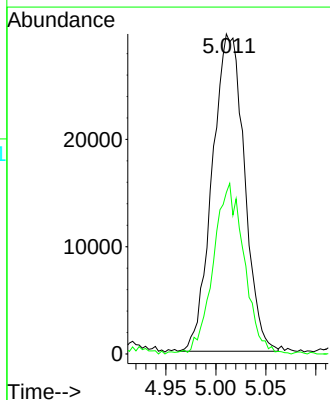
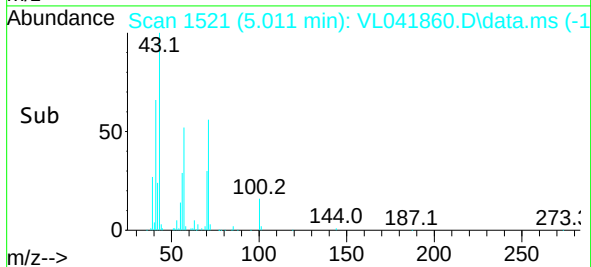
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

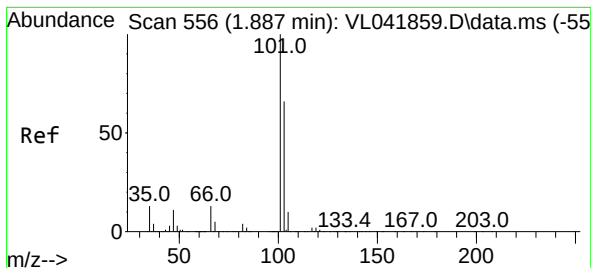


#10
Heptane
Concen: 3.369 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion: 43 Resp: 66122
Ion Ratio Lower Upper
43 100
57 52.0 37.8 56.6





#11

Trichlorofluoromethane

Concen: 2.150 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:101 Resp: 52210

Ion Ratio Lower Upper

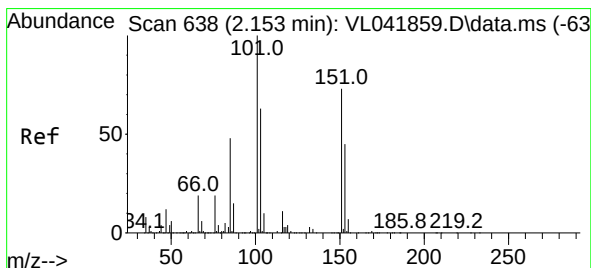
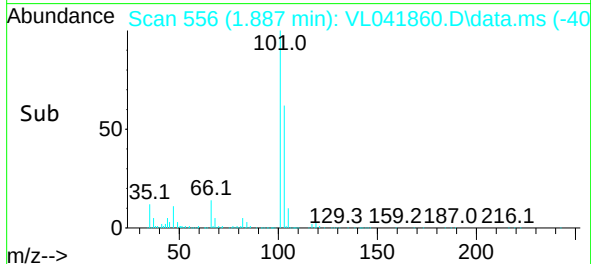
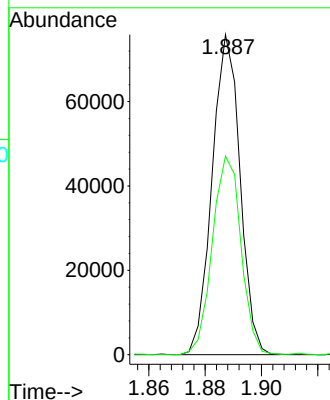
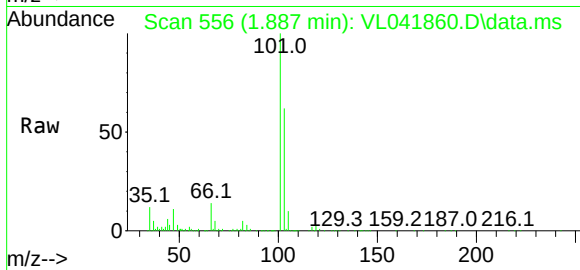
101 100

103 62.1 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.322 ppbv

RT: 2.153 min Scan# 638

Delta R.T. 0.003 min

Lab File: VL041860.D

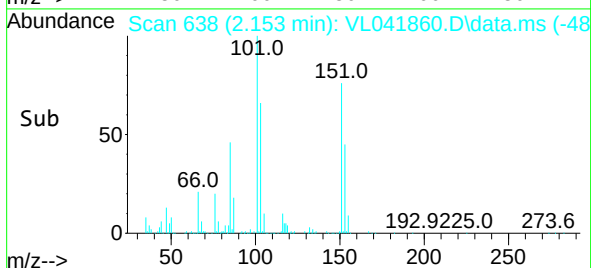
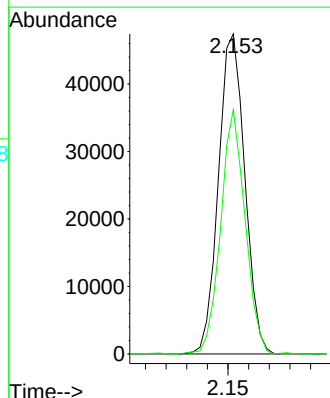
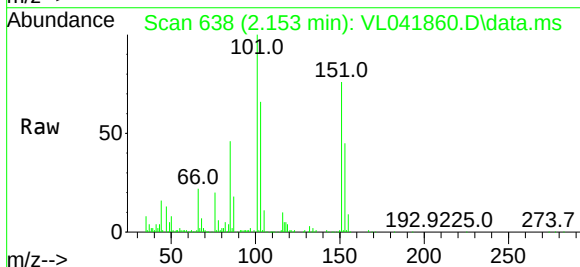
Acq: 09 Jan 2025 11:52

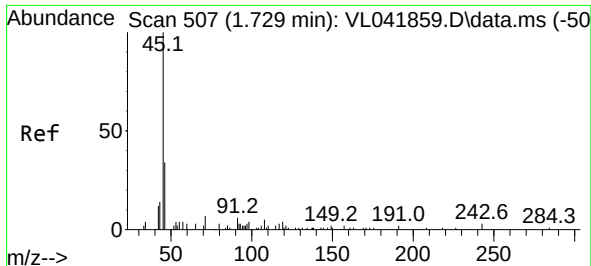
Tgt Ion:101 Resp: 41991

Ion Ratio Lower Upper

101 100

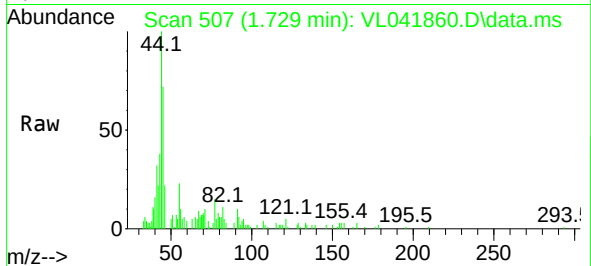
151 70.9 53.2 79.8





#13
Ethanol
Concen: 1.994 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

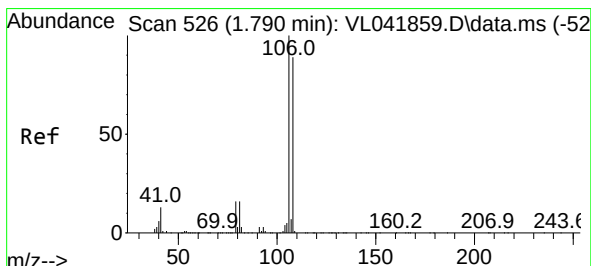
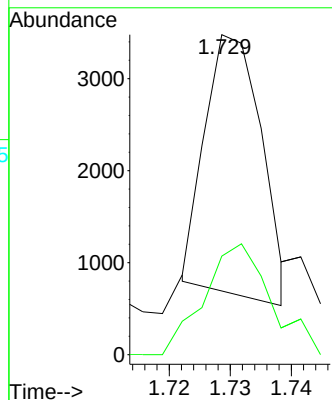
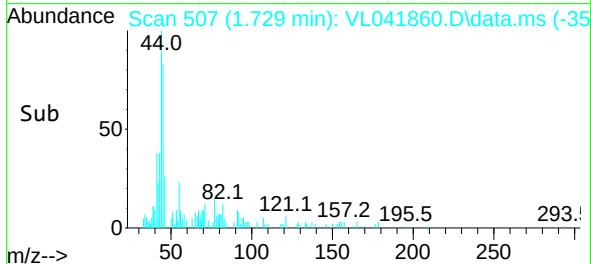
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



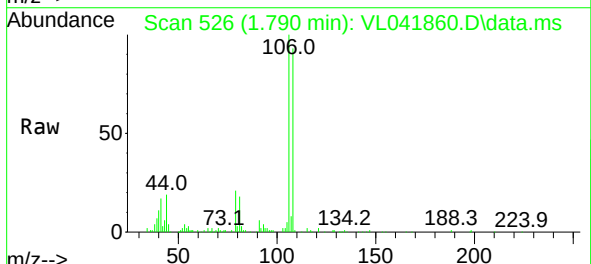
Tgt Ion: 45 Resp: 180
Ion Ratio Lower Upper
45 100
46 70.9 16.1 64.5

Manual Integrations
APPROVED

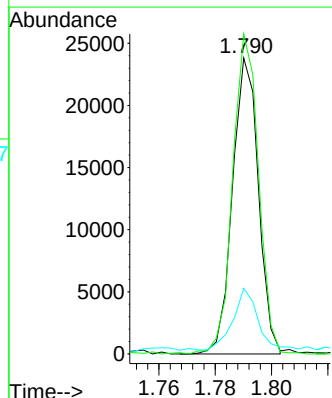
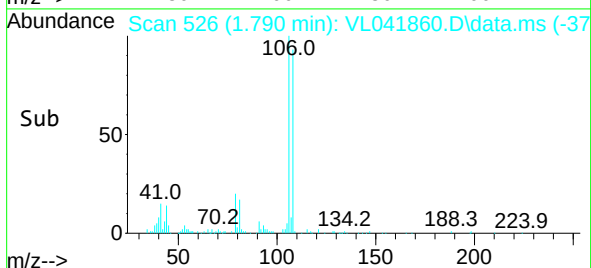
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

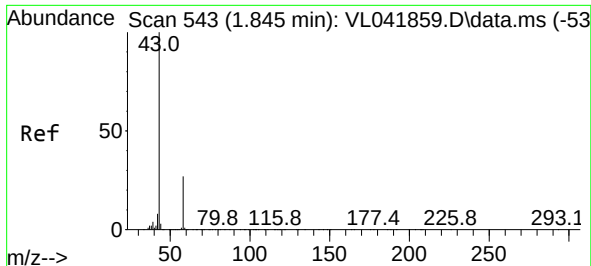


#14
Bromoethene
Concen: 2.568 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



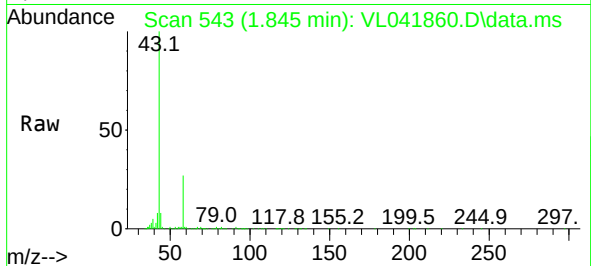
Tgt Ion:108 Resp: 15205
Ion Ratio Lower Upper
108 100
106 108.4 84.6 126.8
79 24.4 18.3 27.5





#15
Acetone
Concen: 1.975 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

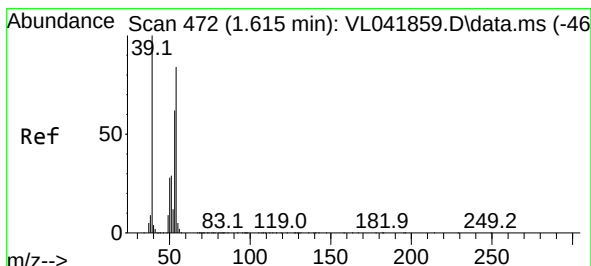
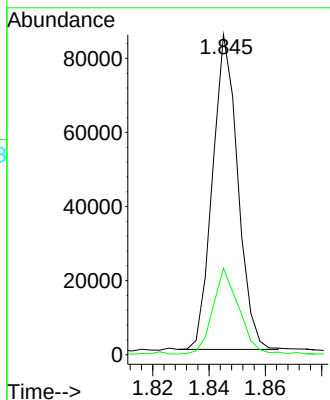
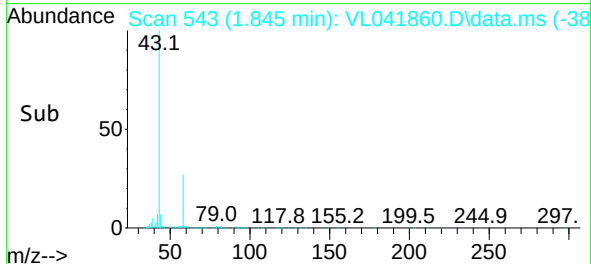
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



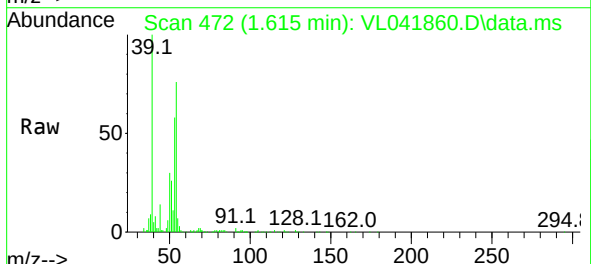
Tgt Ion: 43 Resp: 52918
Ion Ratio Lower Upper
43 100
58 30.0 20.2 30.2

Manual Integrations
APPROVED

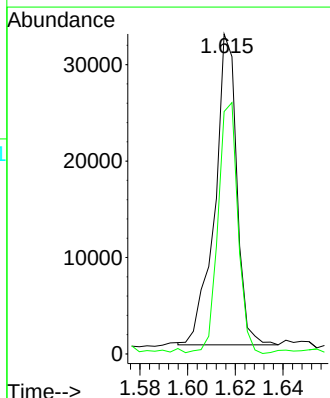
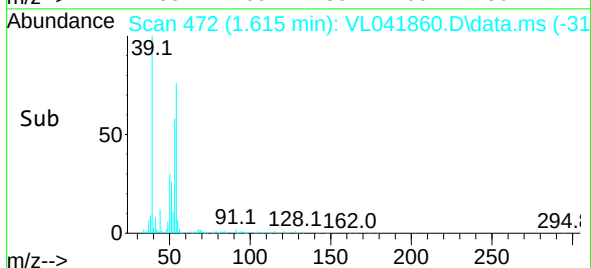
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

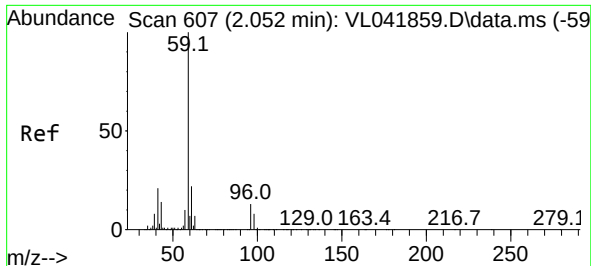


#16
1,3-Butadiene
Concen: 1.966 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion: 39 Resp: 20658
Ion Ratio Lower Upper
39 100
54 80.5 56.2 84.4





#17

tert-Butyl alcohol

Concen: 2.502 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 58092

Ion Ratio Lower Upper

59 100

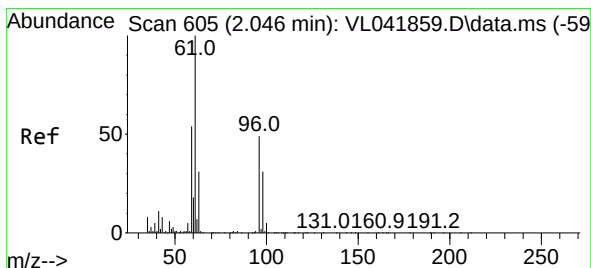
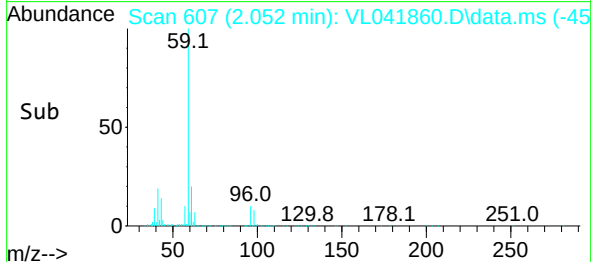
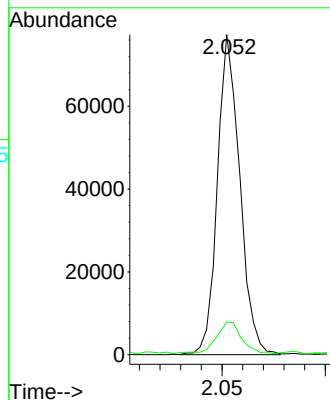
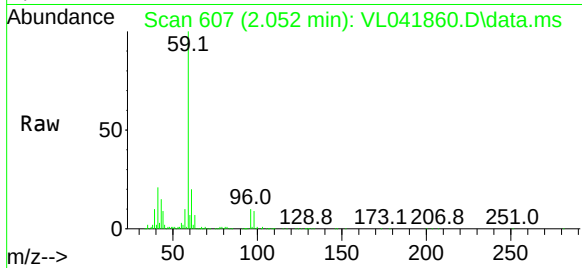
57 13.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 2.397 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

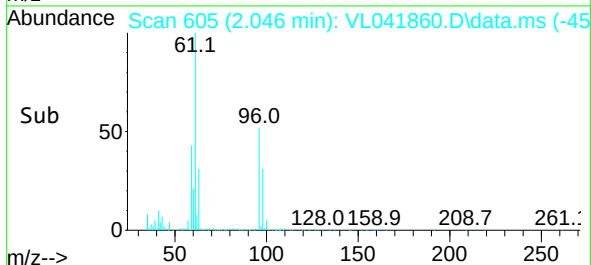
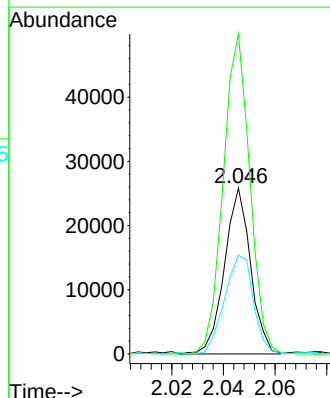
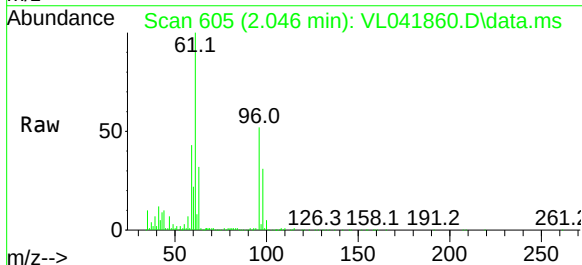
Tgt Ion: 96 Resp: 18153

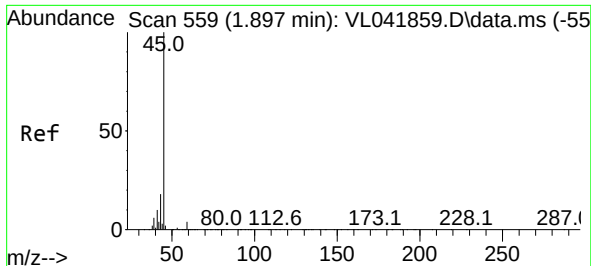
Ion Ratio Lower Upper

96 100

61 193.0 179.2 268.8

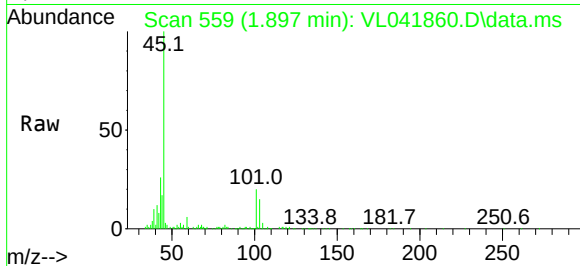
98 58.6 51.6 77.4





#19
Isopropyl Alcohol
Concen: 2.069 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

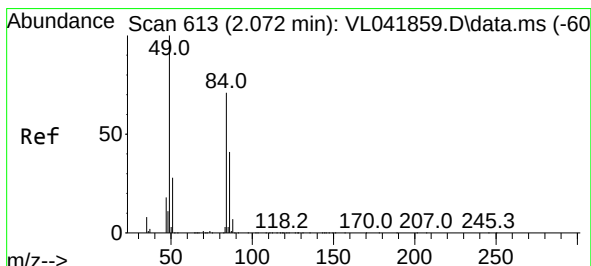
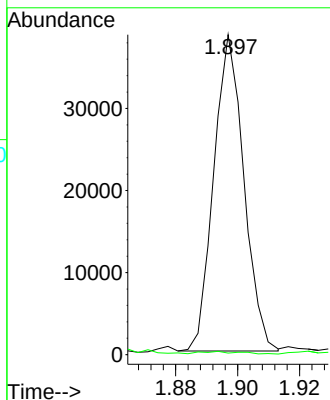
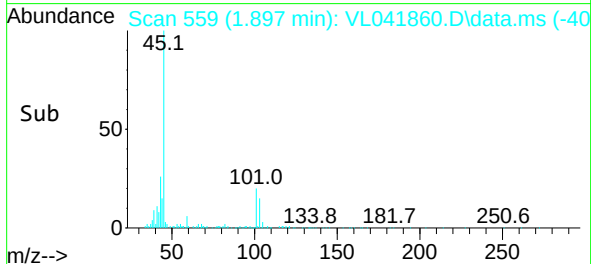
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



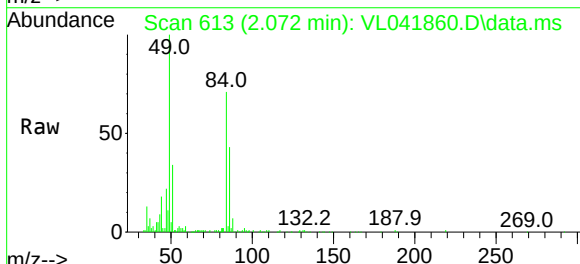
Tgt Ion: 45 Resp: 26028
Ion Ratio Lower Upper
45 100
58 3.9 2.0 3.0

Manual Integrations
APPROVED

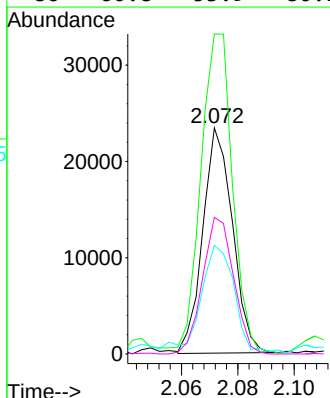
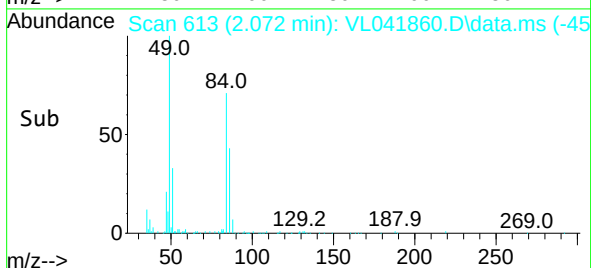
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

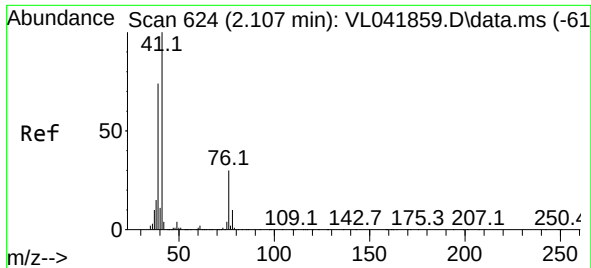


#20
Methylene Chloride
Concen: 2.237 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



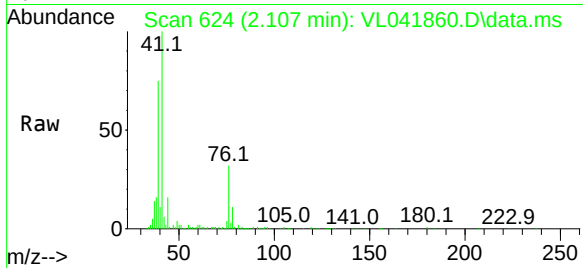
Tgt Ion: 84 Resp: 17135
Ion Ratio Lower Upper
84 100
49 142.1 137.8 206.8
51 46.5 43.9 65.9
86 60.8 53.9 80.9





#21
 Allyl Chloride
 Concen: 2.348 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

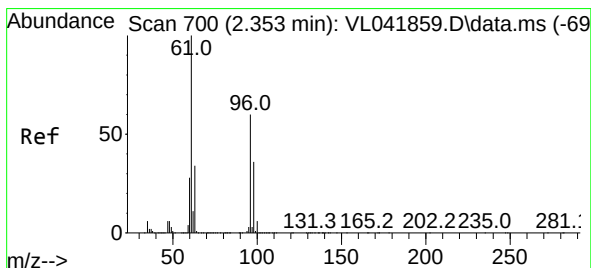
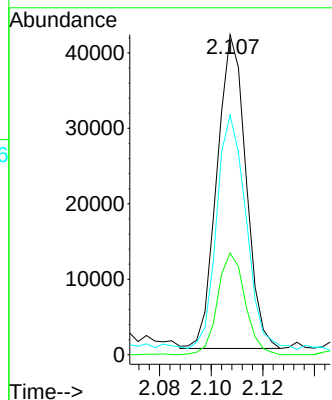
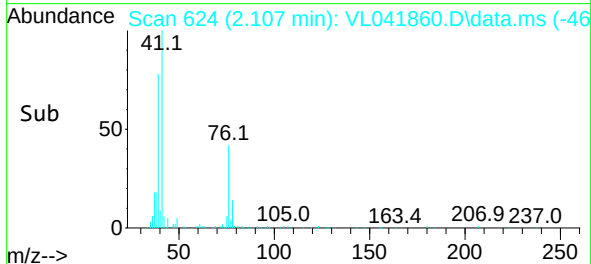
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



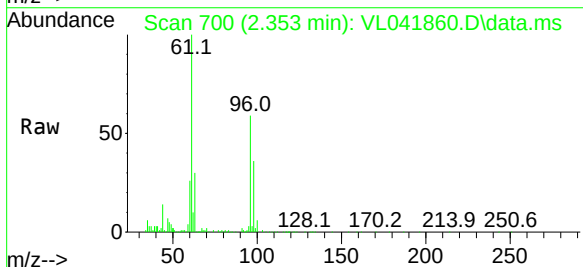
Tgt Ion: 41 Resp: 32414
 Ion Ratio Lower Upper
 41 100
 76 30.7 20.6 31.0
 39 76.3 67.4 101.2

Manual Integrations
 APPROVED

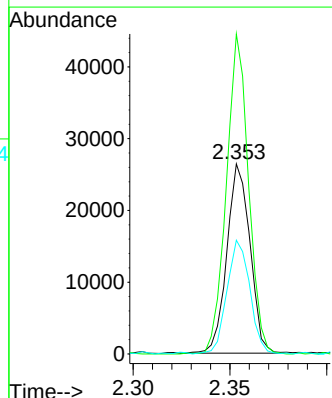
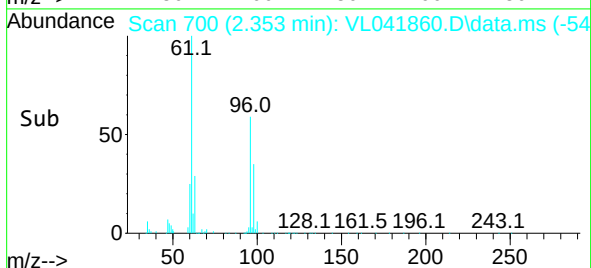
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

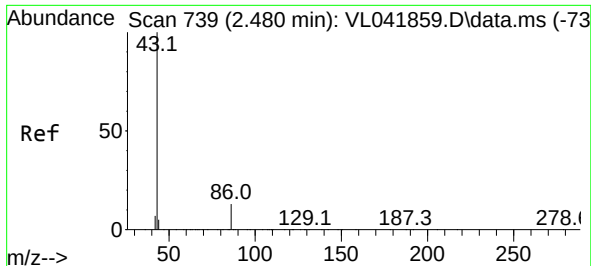


#22
 trans-1,2-Dichloroethene
 Concen: 2.583 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52



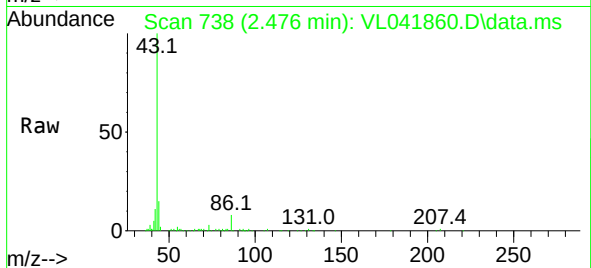
Tgt Ion: 96 Resp: 21862
 Ion Ratio Lower Upper
 96 100
 61 169.1 144.0 216.0
 98 59.8 46.9 70.3





#23
 Vinyl Acetate
 Concen: 3.598 ppbv
 RT: 2.476 min Scan# 739
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

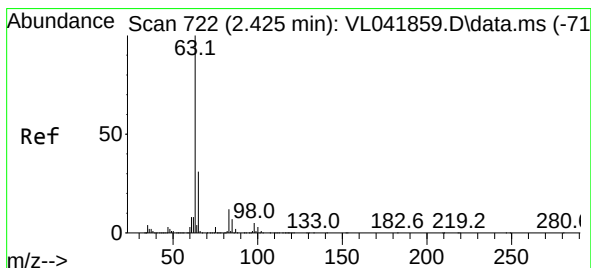
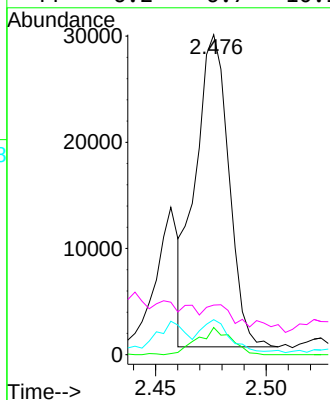
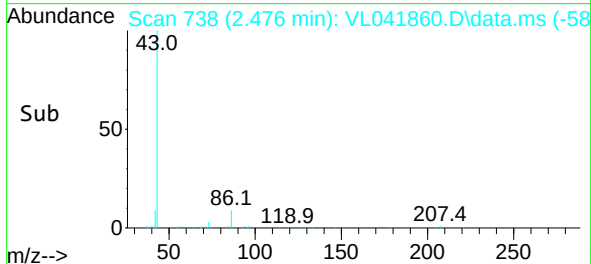
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



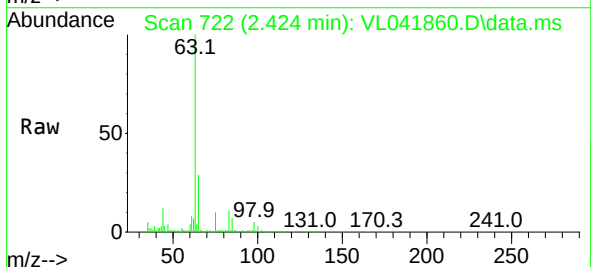
Tgt Ion: 43 Resp: 30920
 Ion Ratio Lower Upper
 43 100
 86 8.7 6.4 9.6
 42 9.9 9.5 14.3
 44 6.2 6.7 10.1#

Manual Integrations
 APPROVED

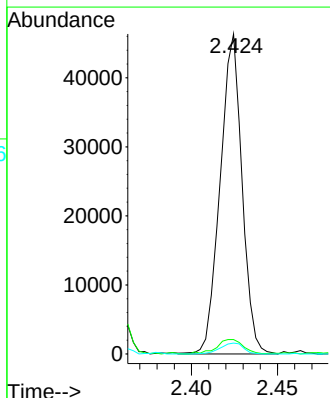
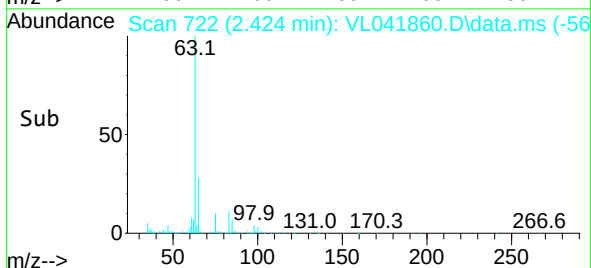
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

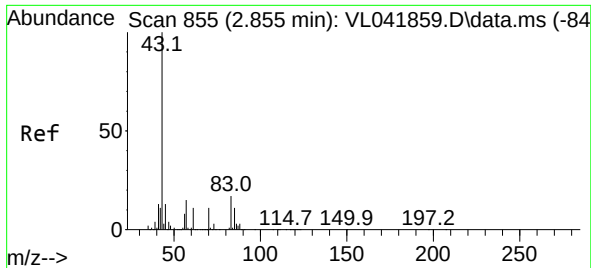


#24
 1,1-Dichloroethane
 Concen: 2.211 ppbv
 RT: 2.424 min Scan# 722
 Delta R.T. 0.006 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52



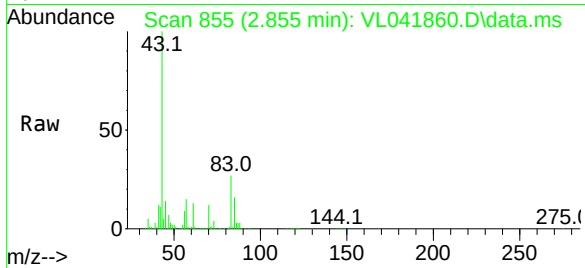
Tgt Ion: 63 Resp: 40950
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.3 6.9
 100 3.4 1.4 4.0





#25
Ethyl Acetate
Concen: 2.807 ppbv
RT: 2.855 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

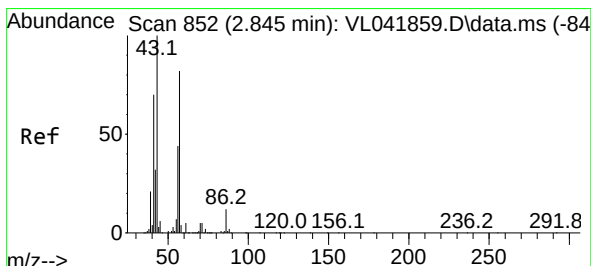
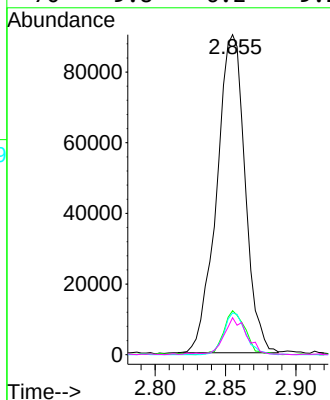
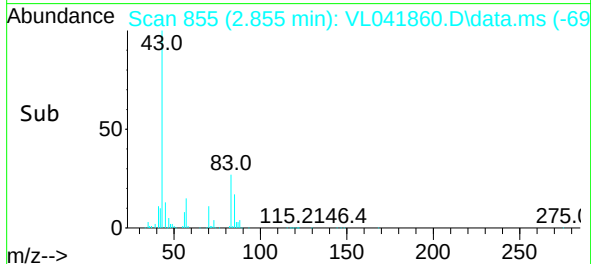
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



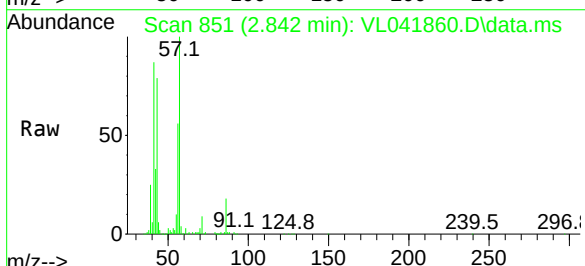
Tgt Ion: 43 Resp: 12616
Ion Ratio Lower Upper
43 100
45 10.6 7.8 11.8
61 10.1 7.0 10.6
70 9.8 6.2 9.2#

Manual Integrations
APPROVED

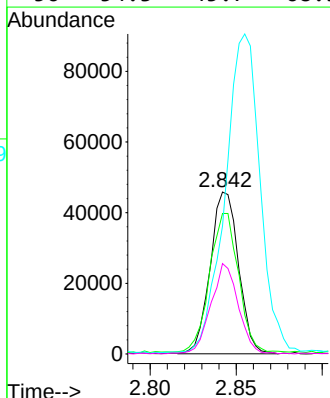
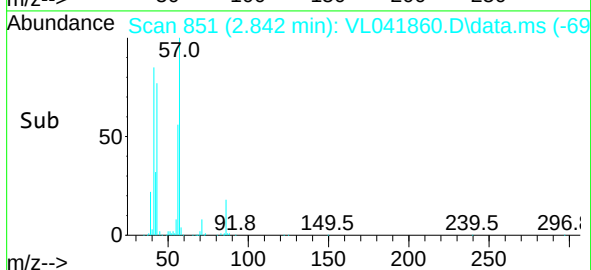
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

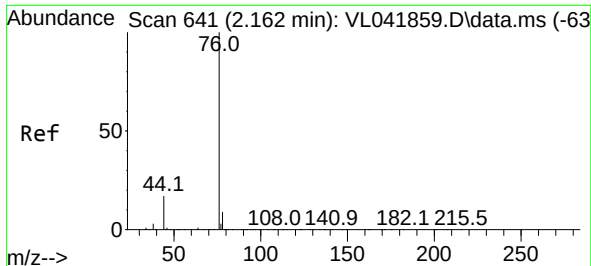


#26
Hexane
Concen: 3.352 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



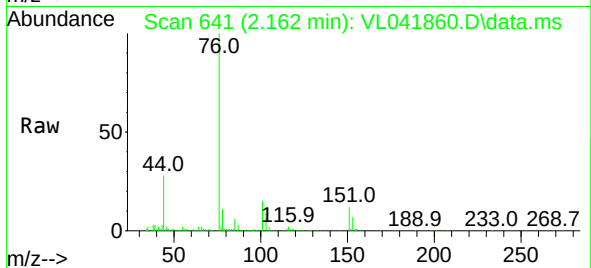
Tgt Ion: 57 Resp: 52287
Ion Ratio Lower Upper
57 100
41 91.9 84.1 126.1
43 243.9 218.4 327.6
56 54.3 45.7 68.5





#27
Carbon Disulfide
Concen: 3.401 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

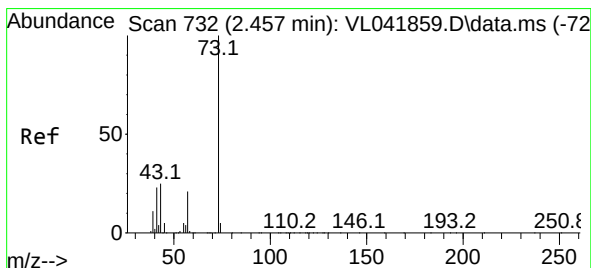
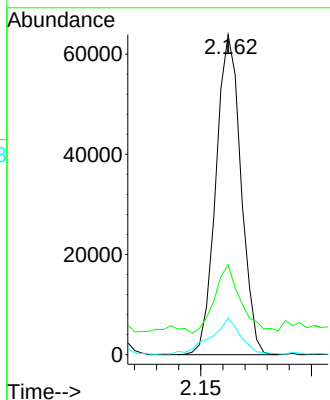
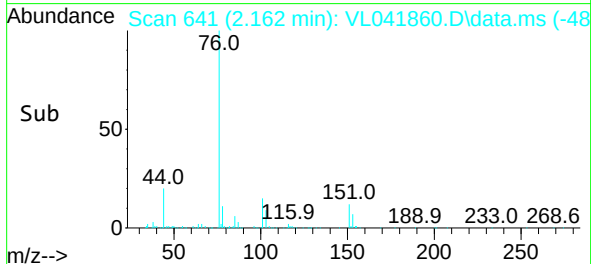
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



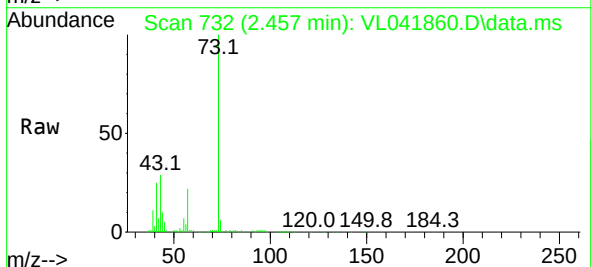
Tgt Ion: 76 Resp: 5034
Ion Ratio Lower Upper
76 100
44 27.7 19.8 29.8
78 13.3 9.8 14.8

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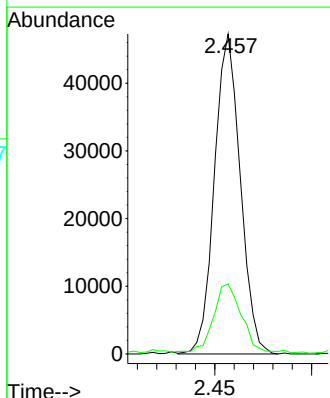
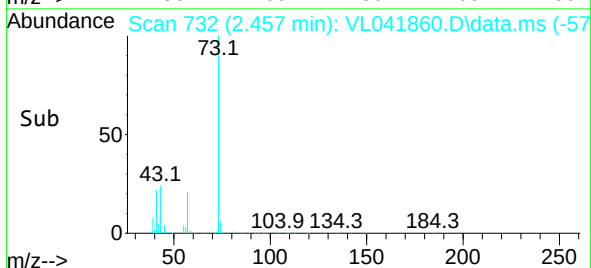
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

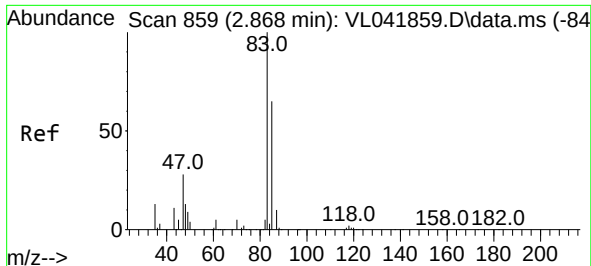


#28
Methyl tert-Butyl Ether
Concen: 3.724 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion: 73 Resp: 43777
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6





#29

Chloroform

Concen: 2.583 ppbv

RT: 2.865 min Scan# 859

Delta R.T. 0.003 min

Lab File: VL041860.D

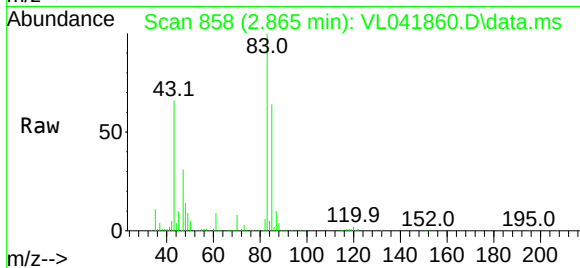
Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

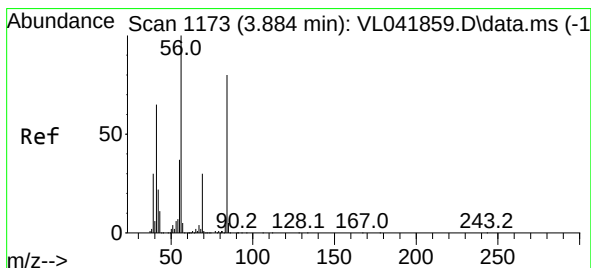
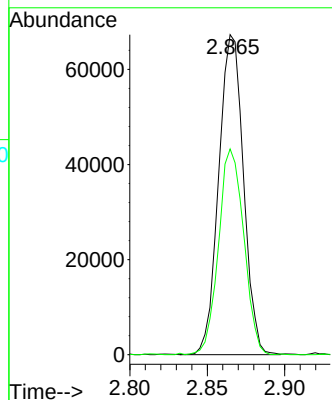
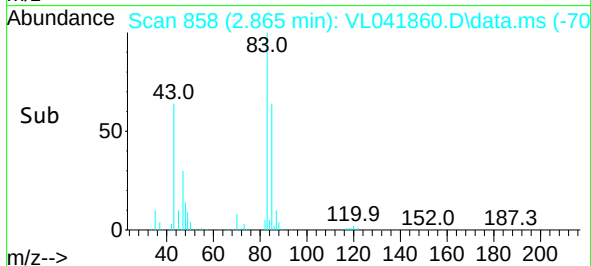


Tgt Ion:	83	Resp:	74840
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.6	74.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#30

Cyclohexane

Concen: 3.933 ppbv

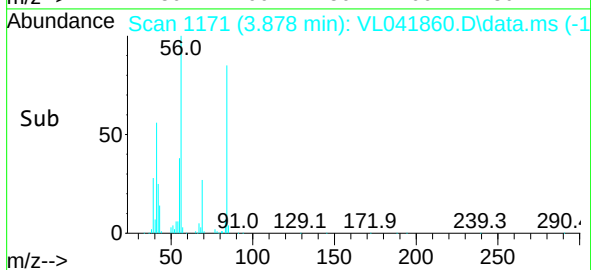
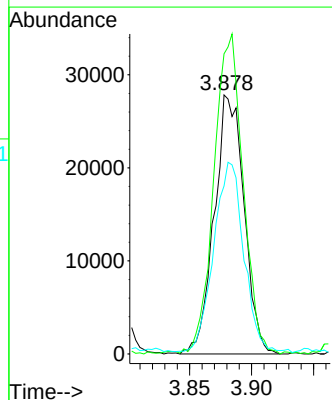
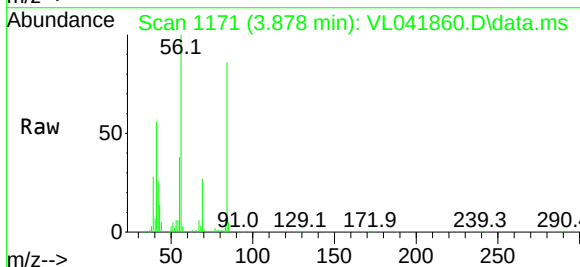
RT: 3.878 min Scan# 1171

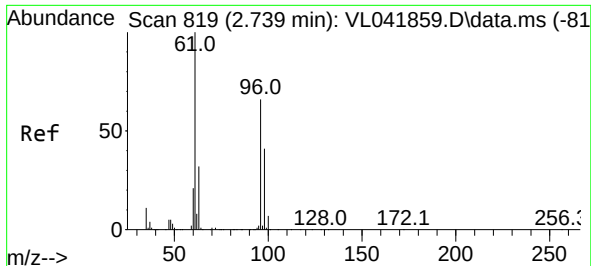
Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

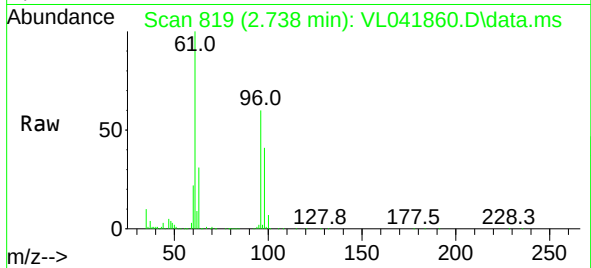
Tgt Ion:	84	Resp:	46542
Ion	Ratio	Lower	Upper
84	100		
56	121.9	105.0	157.6
41	74.5	78.9	118.3





#31
 cis-1,2-Dichloroethene
 Concen: 3.120 ppbv
 RT: 2.738 min Scan# 819
 Delta R.T. 0.006 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

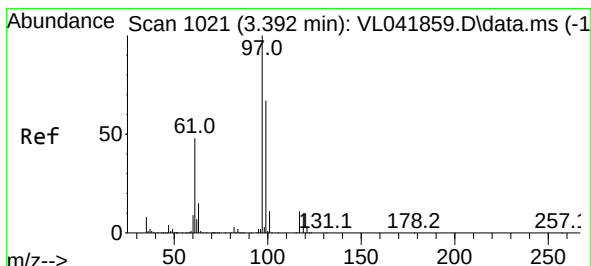
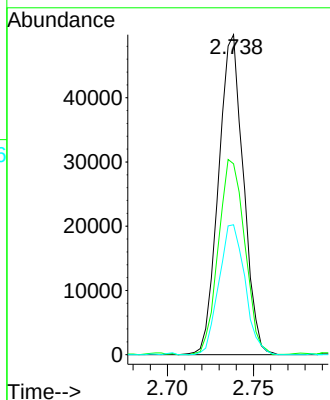
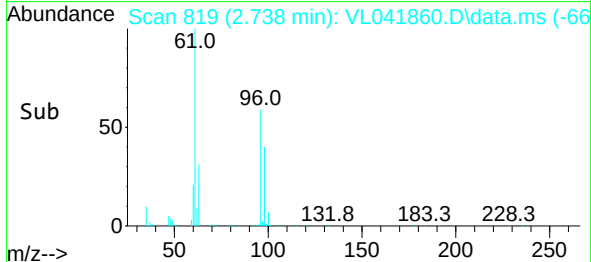
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



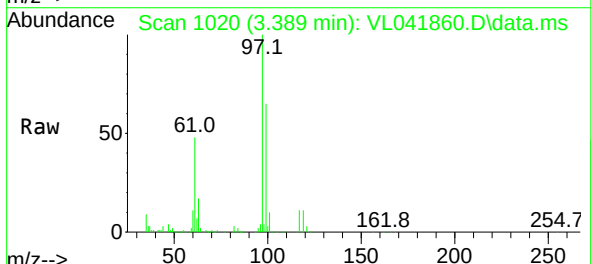
Tgt Ion: 61 Resp: 50090
 Ion Ratio Lower Upper
 61 100
 96 59.6 47.6 71.4
 98 40.6 30.2 45.2

Manual Integrations
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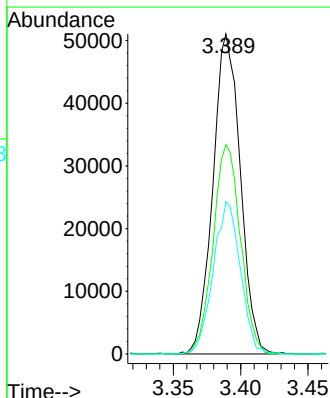
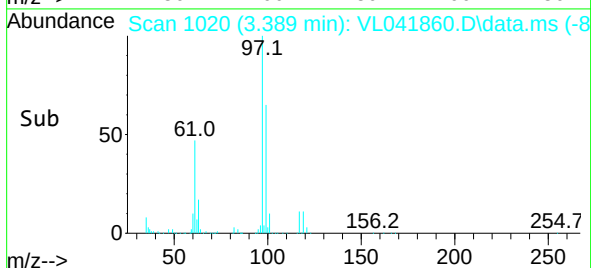
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

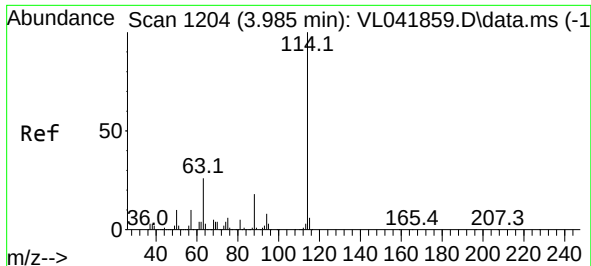


#32
 1,1,1-Trichloroethane
 Concen: 2.750 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.006 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52



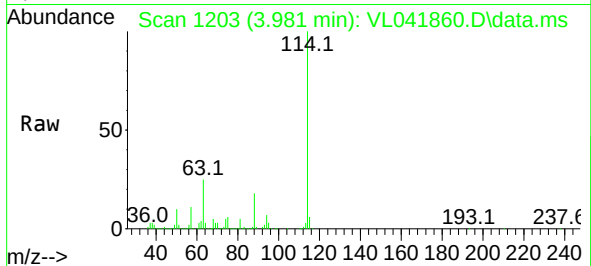
Tgt Ion: 97 Resp: 72210
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.6 76.0
 61 47.2 45.0 67.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.981 min Scan# 114
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

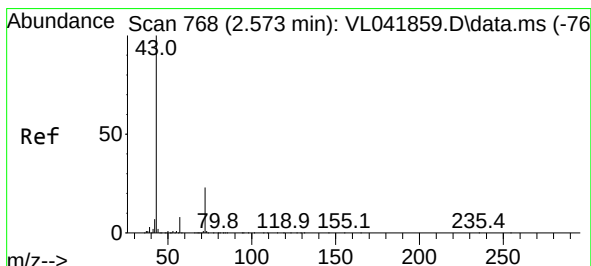
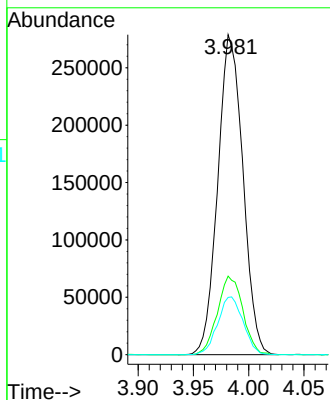
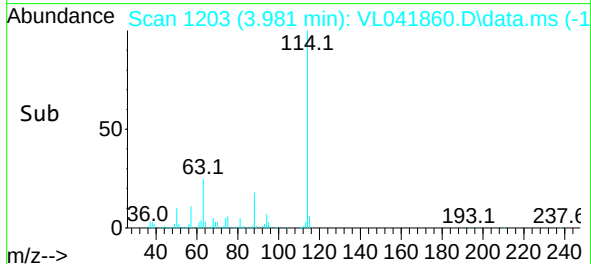
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion:114 Resp: 440592
Ion Ratio Lower Upper
114 100
63 24.9 22.3 33.5
88 18.3 14.9 22.3

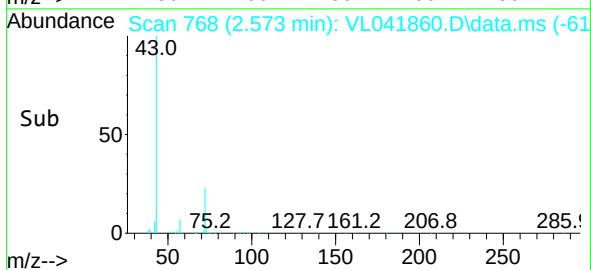
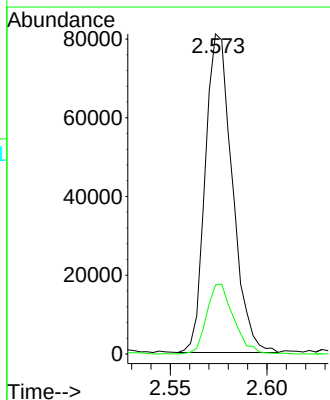
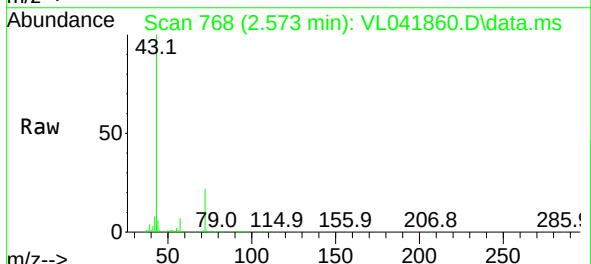
Manual Integrations
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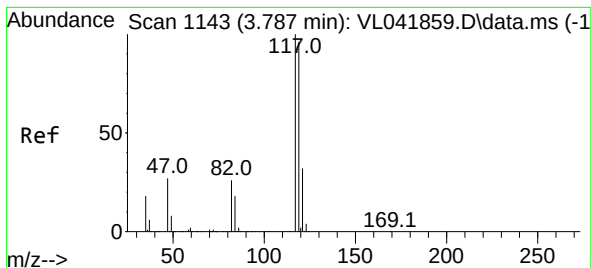
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#34
2-Butanone
Concen: 2.267 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 43 Resp: 78681
Ion Ratio Lower Upper
43 100
72 21.9 16.6 25.0





#35

Carbon Tetrachloride

Concen: 2.079 ppbv

RT: 3.790 min Scan# 1143

Delta R.T. 0.010 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

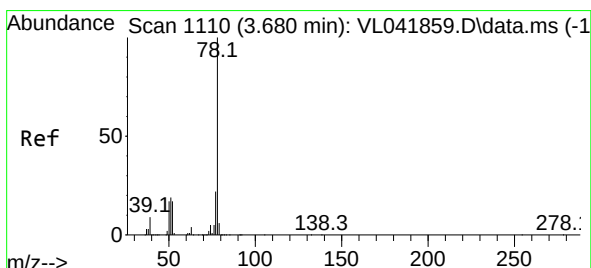
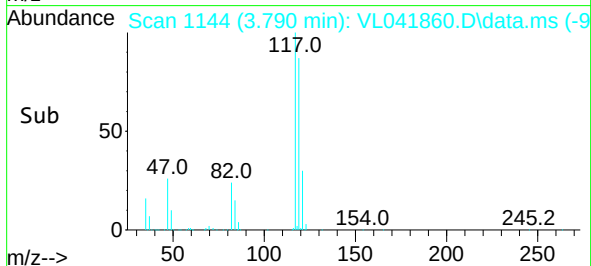
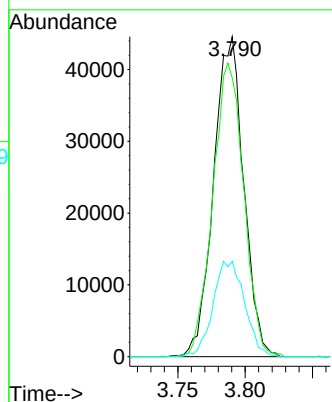
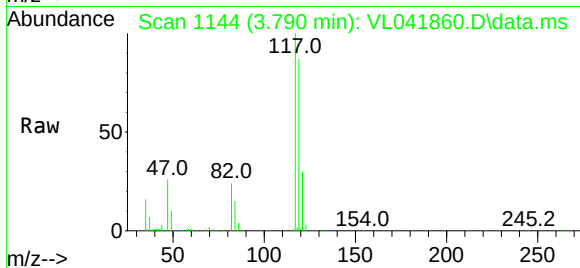
Tgt Ion: 117 Resp: 6922

Ion	Ratio	Lower	Upper
117	100		
119	86.8	79.1	118.7
121	29.8	24.2	36.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#36

Benzene

Concen: 2.534 ppbv

RT: 3.680 min Scan# 1110

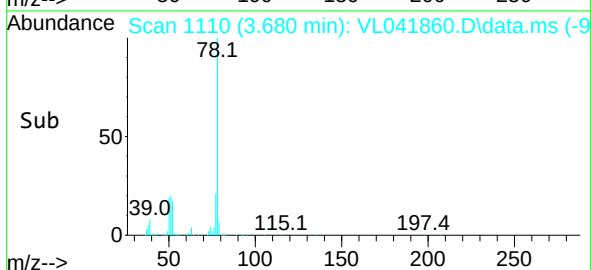
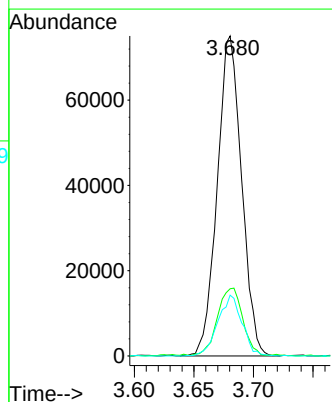
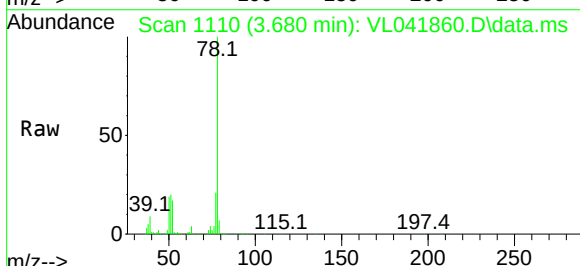
Delta R.T. 0.006 min

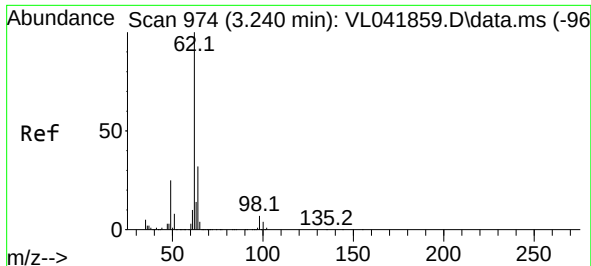
Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 78 Resp: 106654

Ion	Ratio	Lower	Upper
78	100		
77	20.8	17.4	26.0
50	19.0	17.3	25.9





#37

1,2-Dichloroethane

Concen: 1.980 ppbv

RT: 3.240 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 62 Resp: 54770

Ion Ratio Lower Upper

62 100

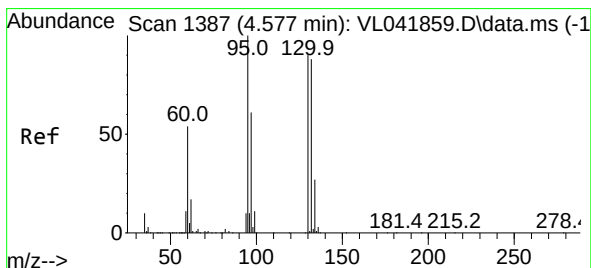
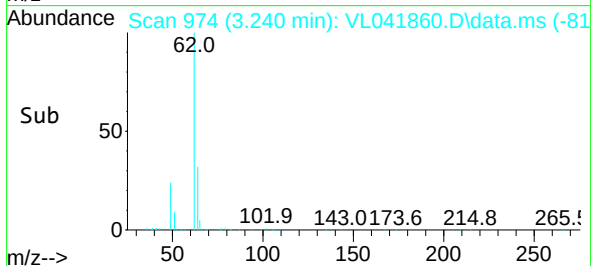
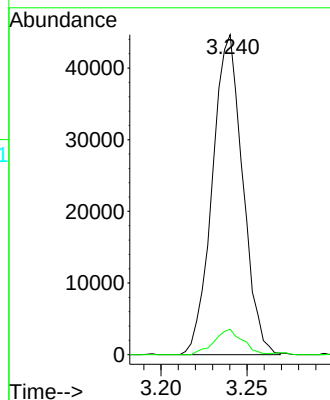
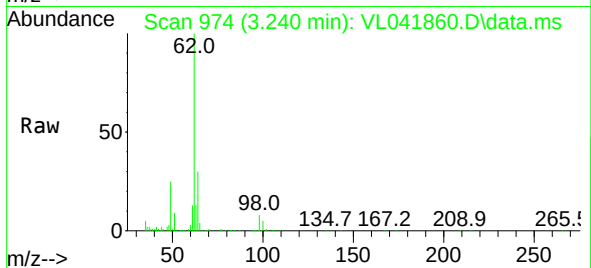
98 7.8 4.8 7.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#38

Trichloroethene

Concen: 2.511 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion:130 Resp: 41427

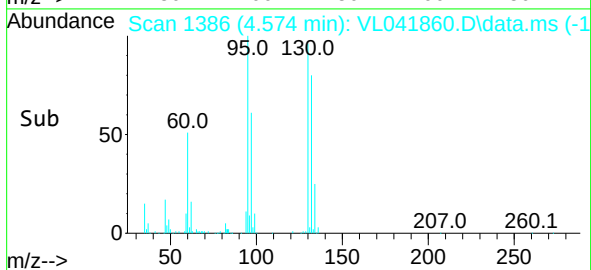
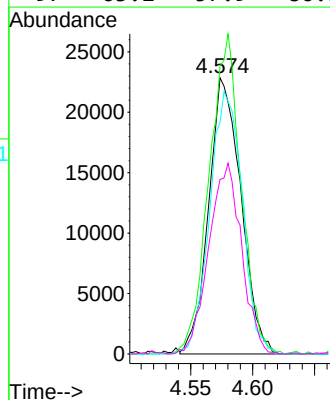
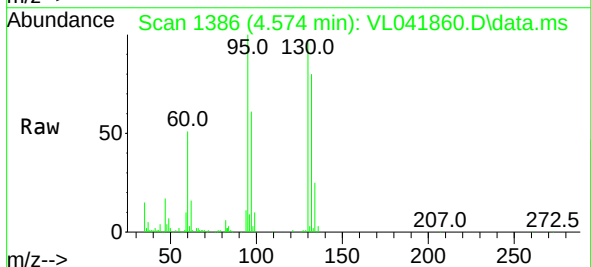
Ion Ratio Lower Upper

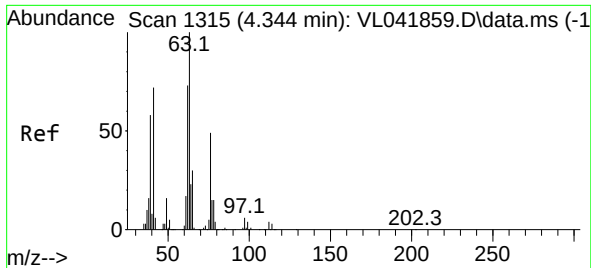
130 100

95 103.4 90.1 135.1

132 83.9 71.8 107.8

97 63.2 57.9 86.9





#39

1,2-Dichloropropane

Concen: 2.310 ppbv m

RT: 4.347 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

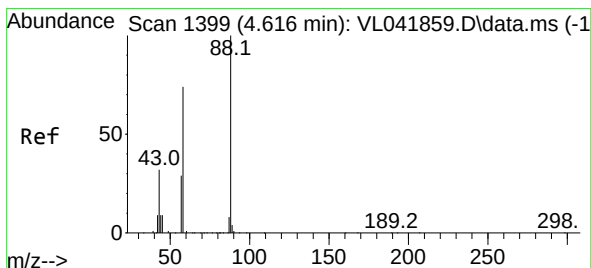
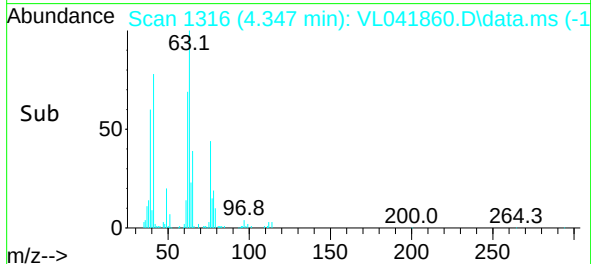
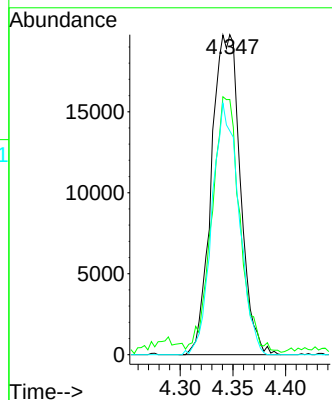
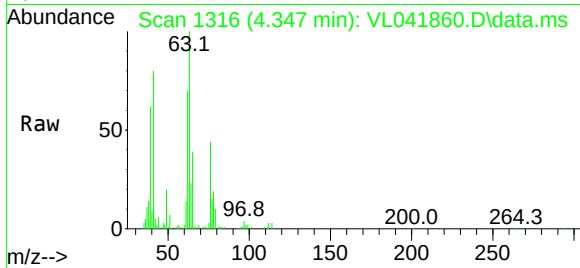
Tgt Ion: 63 Resp: 37604

Ion	Ratio	Lower	Upper
63	100		
41	79.8	77.7	116.5
62	70.0	56.2	84.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 2.990 ppbv

RT: 4.629 min Scan# 1403

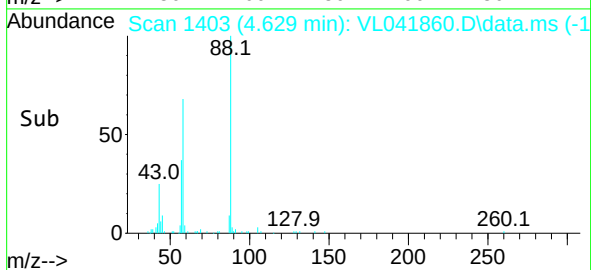
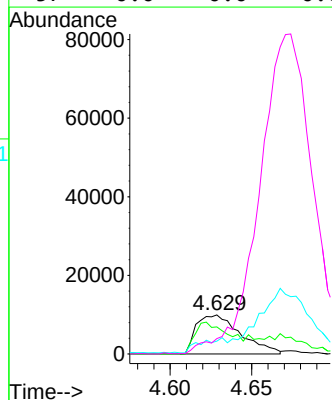
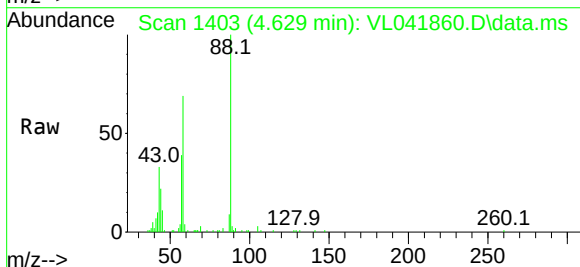
Delta R.T. 0.023 min

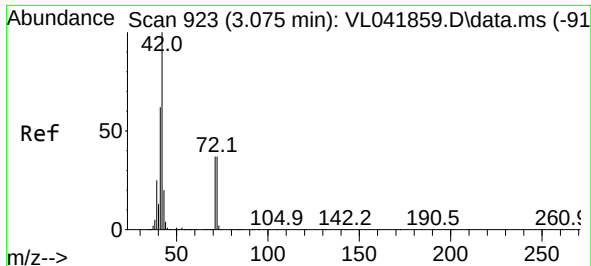
Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 88 Resp: 18864

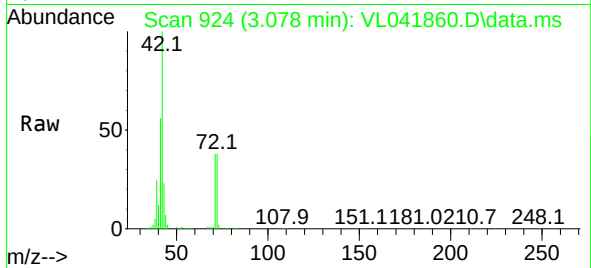
Ion	Ratio	Lower	Upper
88	100		
58	119.7	65.1	97.7#
43	0.0	32.1	48.1#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 2.724 ppbv
RT: 3.078 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

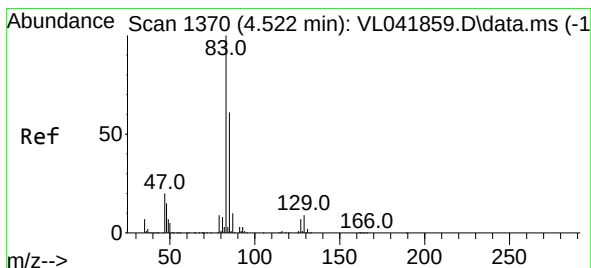
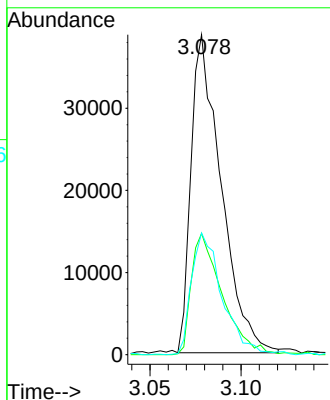
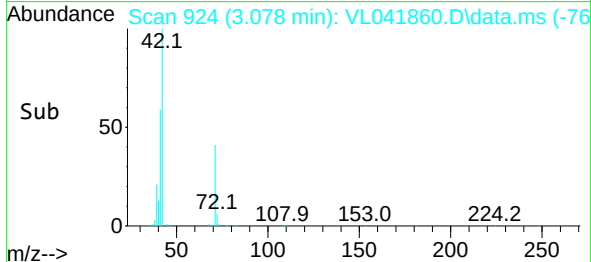
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



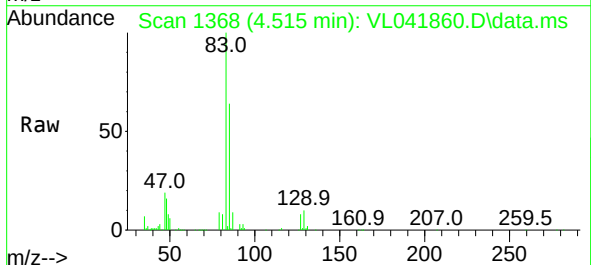
Tgt Ion: 42 Resp: 44570
Ion Ratio Lower Upper
42 100
72 39.5 27.9 41.9
71 39.7 26.5 39.7

Manual Integrations
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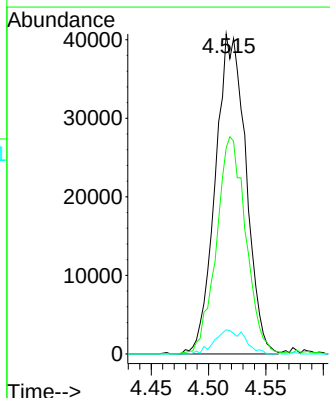
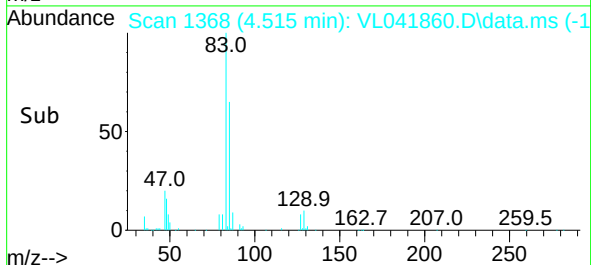
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

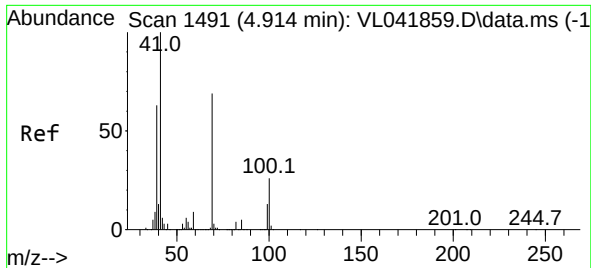


#42
Bromodichloromethane
Concen: 2.324 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



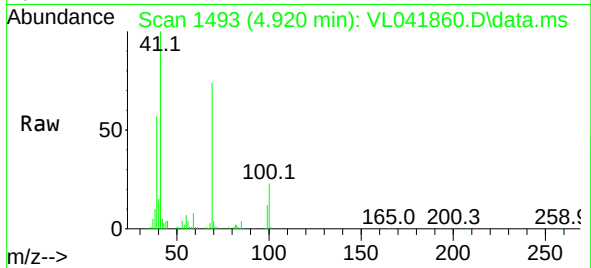
Tgt Ion: 83 Resp: 75424
Ion Ratio Lower Upper
83 100
85 64.4 51.3 76.9
127 7.5 5.6 8.4





#43
Methyl Methacrylate
Concen: 3.190 ppbv m
RT: 4.920 min Scan# 1493
Delta R.T. 0.016 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

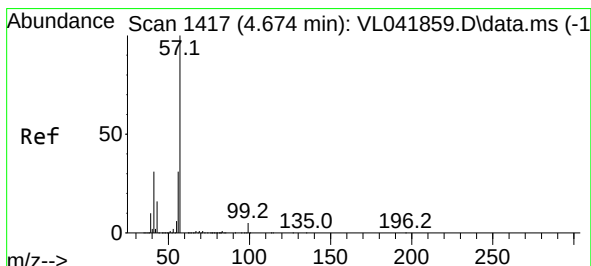
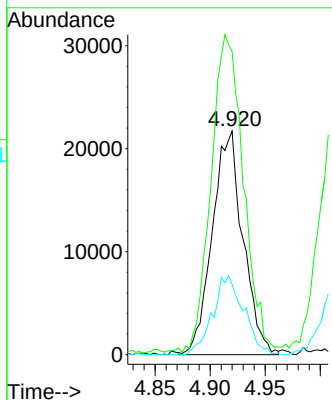
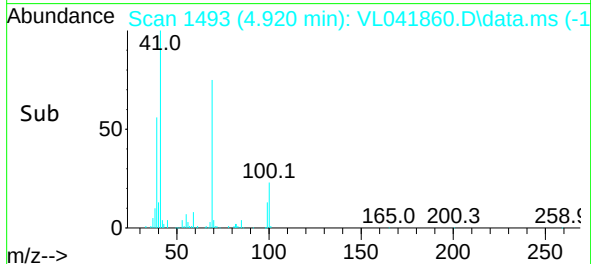
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



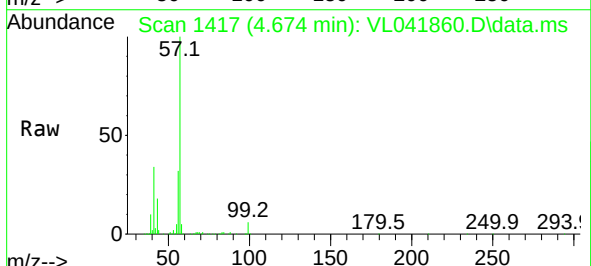
Tgt Ion: 69 Resp: 4215
Ion Ratio Lower Upper
69 100
41 152.0 132.3 198.5
100 35.9 28.2 42.4

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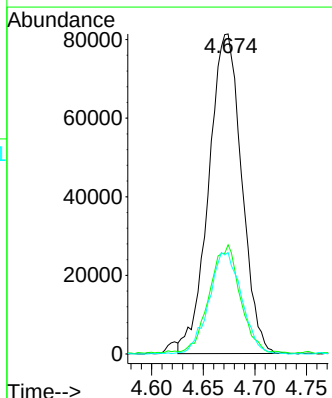
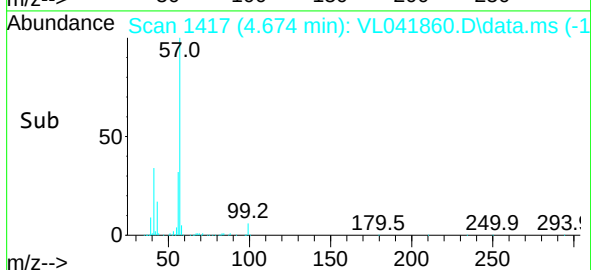
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

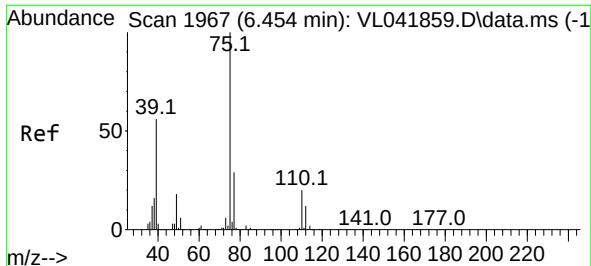


#44
2,2,4-Trimethylpentane
Concen: 2.597 ppbv
RT: 4.674 min Scan# 1417
Delta R.T. 0.013 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion: 57 Resp: 180117
Ion Ratio Lower Upper
57 100
41 31.8 31.4 47.2
56 31.6 26.6 39.8





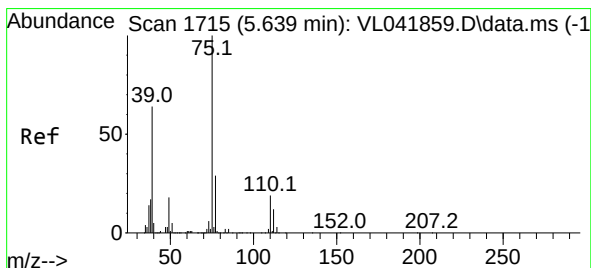
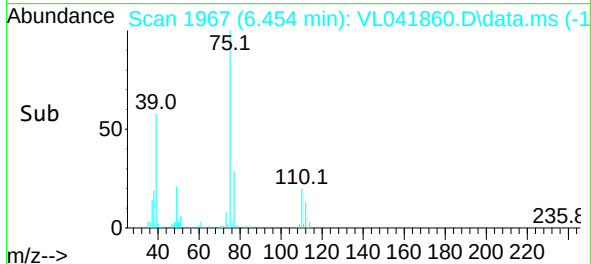
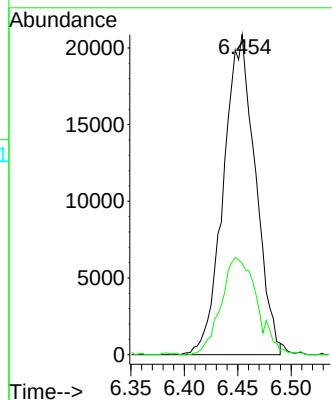
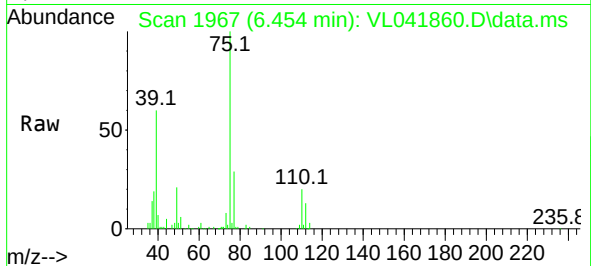
#45
 t-1,3-Dichloropropene
 Concen: 3.361 ppbv
 RT: 6.454 min Scan# 1967
 Delta R.T. 0.016 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 75 Resp: 43372
 Ion Ratio Lower Upper
 75 100
 77 28.6 22.2 33.4

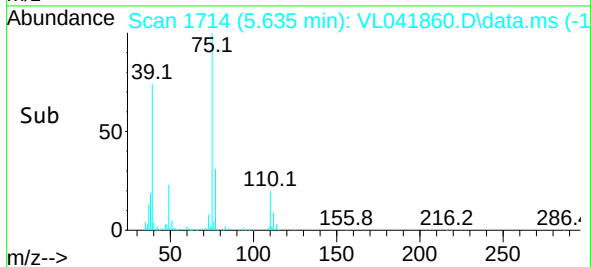
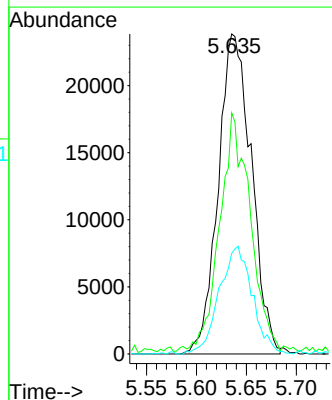
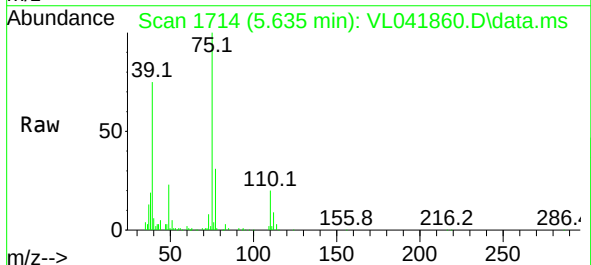
Manual Integrations
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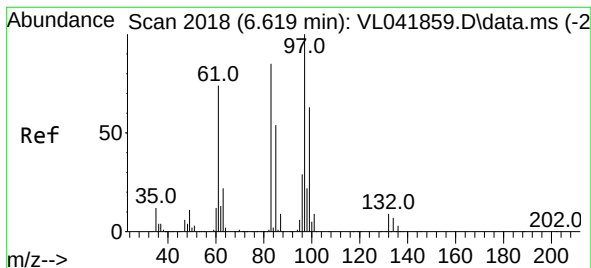
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#46
 cis-1,3-Dichloropropene
 Concen: 3.243 ppbv
 RT: 5.635 min Scan# 1714
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

Tgt Ion: 75 Resp: 55051
 Ion Ratio Lower Upper
 75 100
 39 74.3 63.3 94.9
 77 31.5 23.5 35.3





#47

1,1,2-Trichloroethane

Concen: 2.287 ppbv m

RT: 6.622 min Scan# 2018

Delta R.T. 0.016 min

Lab File: VL041860.D

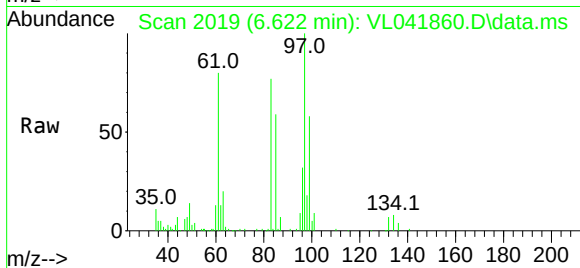
Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion: 97 Resp: 3939

Ion Ratio Lower Upper

97 100

83 77.0 70.3 105.5

85 59.3 41.5 62.3

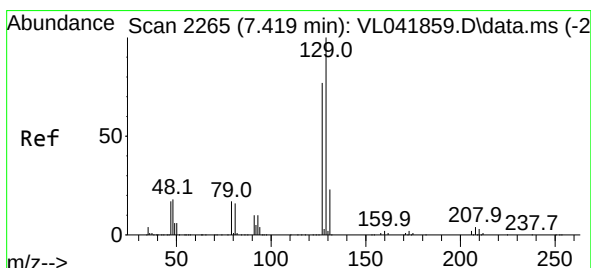
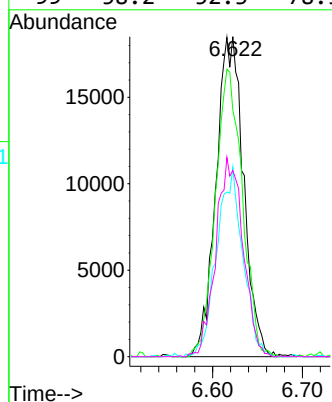
99 58.2 52.3 78.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#48

Dibromochloromethane

Concen: 2.797 ppbv

RT: 7.419 min Scan# 2265

Delta R.T. 0.010 min

Lab File: VL041860.D

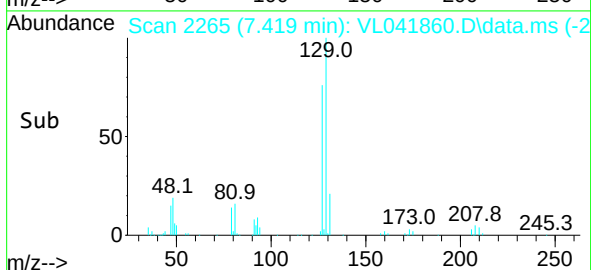
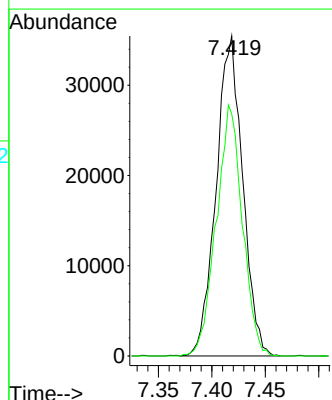
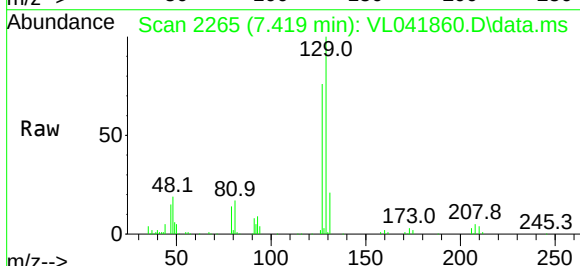
Acq: 09 Jan 2025 11:52

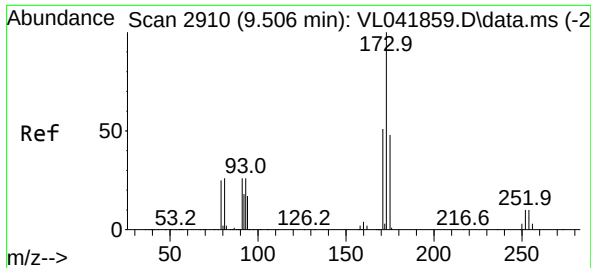
Tgt Ion:129 Resp: 61313

Ion Ratio Lower Upper

129 100

127 77.1 38.7 116.1





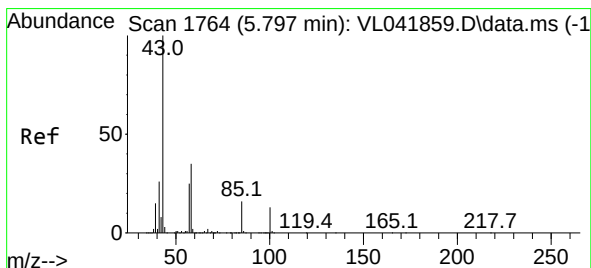
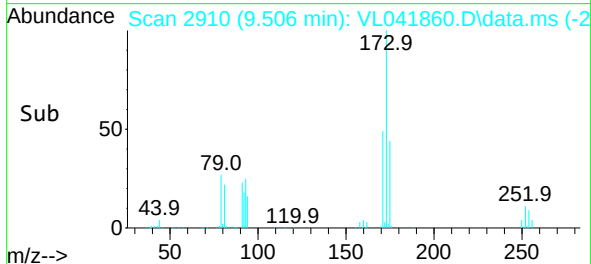
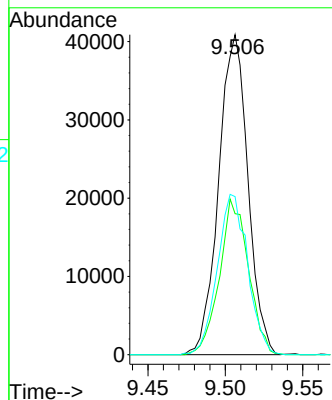
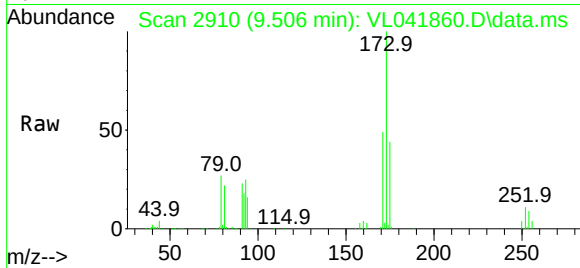
#49
Bromoform
Concen: 3.059 ppbv
RT: 9.506 min Scan# 2910
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 53734
Ion Ratio Lower Upper
173 100
175 48.1 39.5 59.3
171 52.0 41.5 62.3

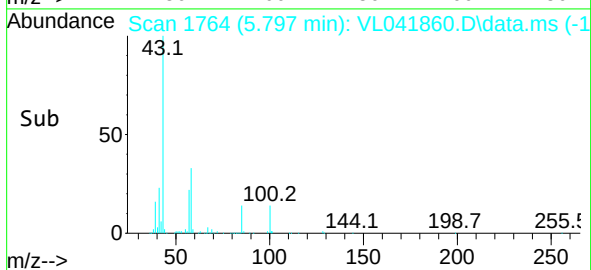
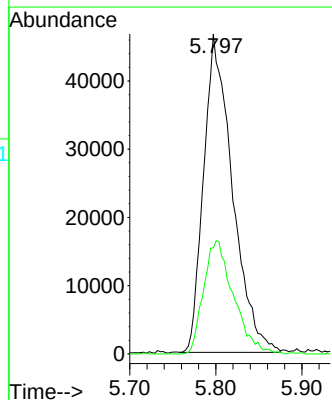
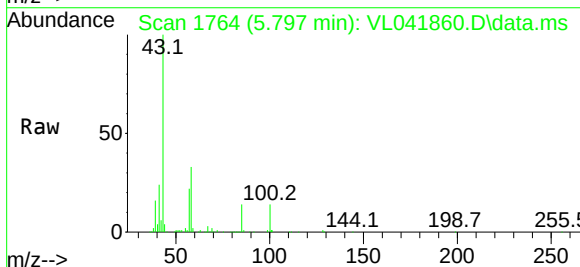
Manual Integrations
APPROVED

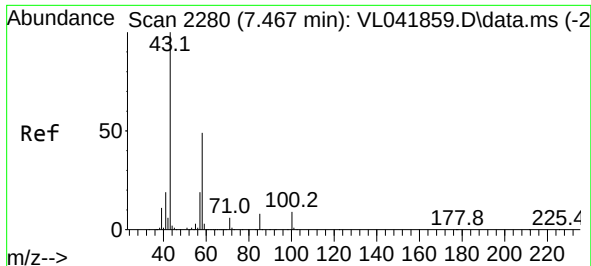
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#50
4-Methyl-2-Pentanone
Concen: 2.698 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. 0.013 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

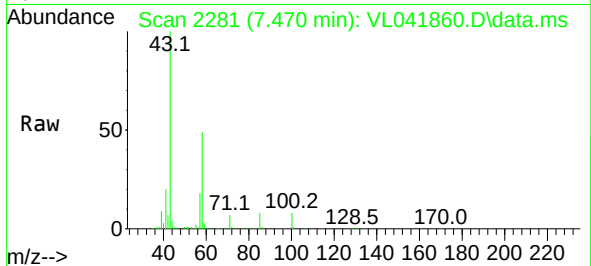
Tgt Ion: 43 Resp: 108191
Ion Ratio Lower Upper
43 100
58 37.2 25.7 38.5





#51
2-Hexanone
Concen: 2.991 ppbv
RT: 7.470 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

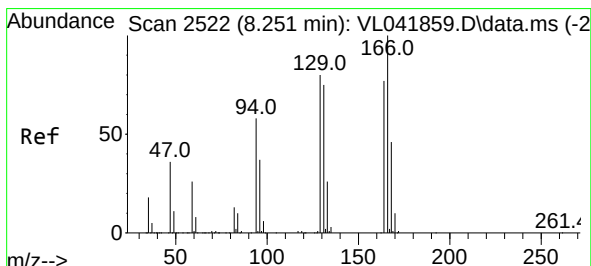
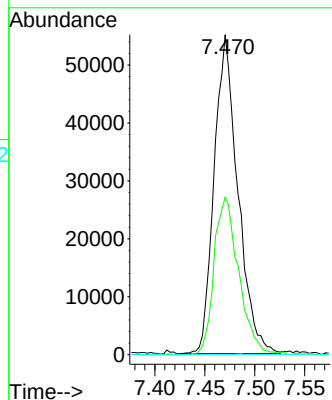
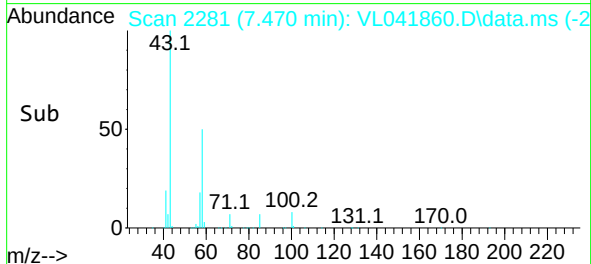
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 90844
Ion Ratio Lower Upper
43 100
58 51.6 33.8 50.8
98 0.1 0.7 1.1

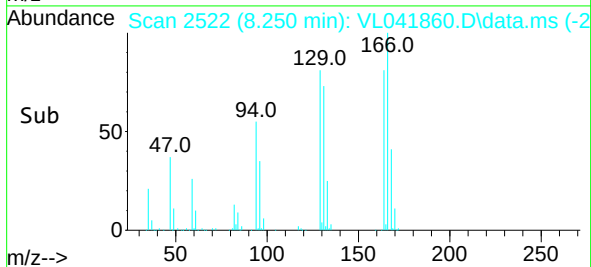
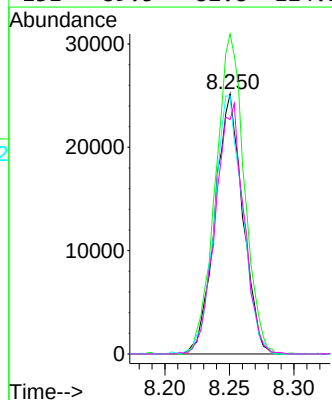
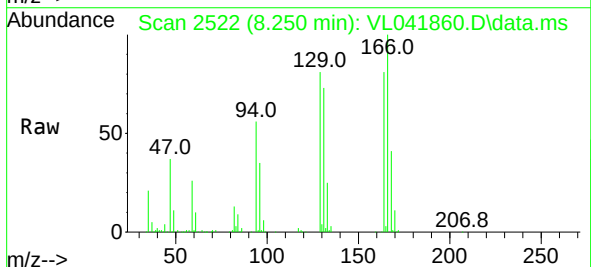
Manual Integrations
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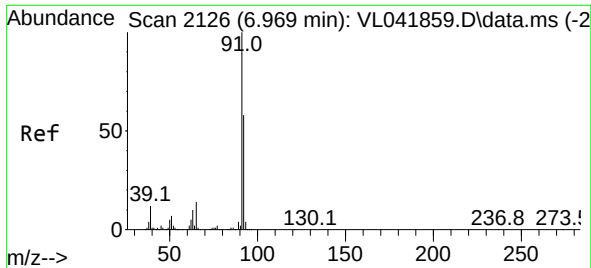
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#52
Tetrachloroethene
Concen: 3.020 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

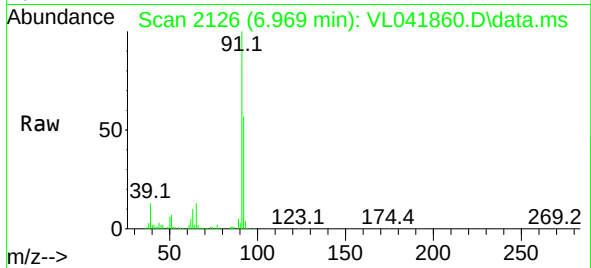
Tgt Ion:164 Resp: 37701
Ion Ratio Lower Upper
164 100
166 123.0 100.4 150.6
129 99.2 85.9 128.9
131 89.5 82.8 124.2





#53
Toluene
Concen: 3.341 ppbv
RT: 6.969 min Scan# 2126
Delta R.T. 0.010 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

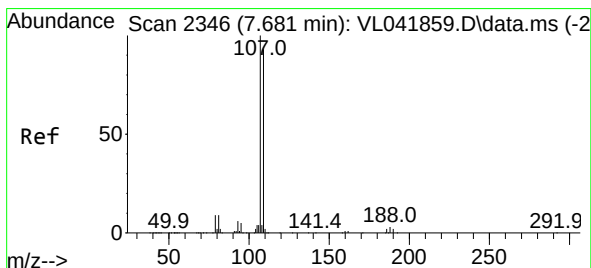
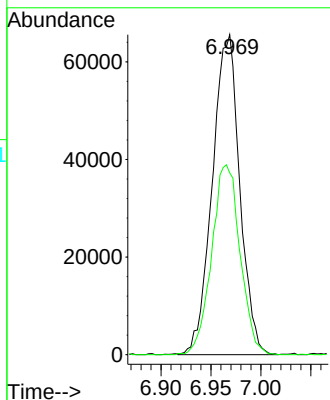
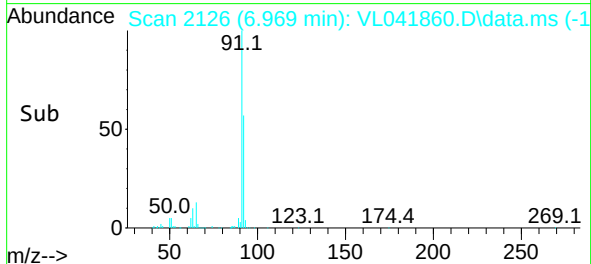
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



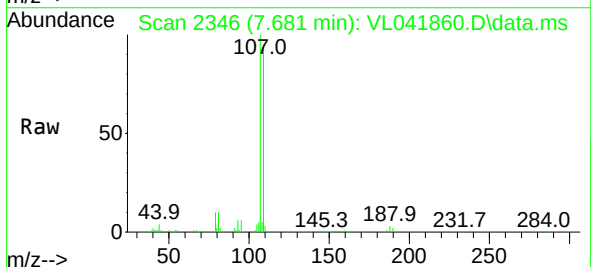
Tgt Ion: 91 Resp: 12529
Ion Ratio Lower Upper
91 100
92 61.4 47.8 71.6

Manual Integrations
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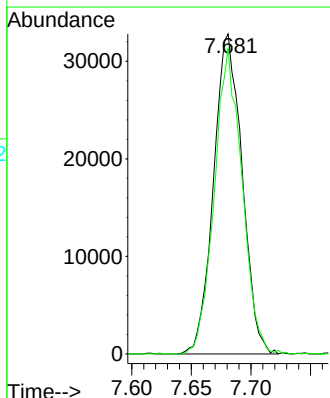
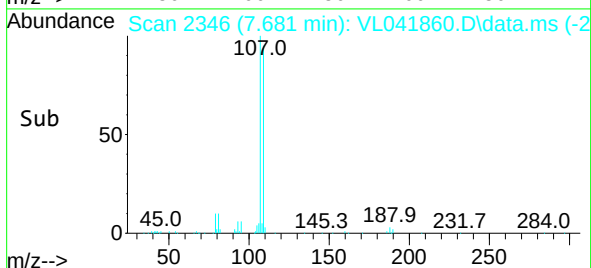
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

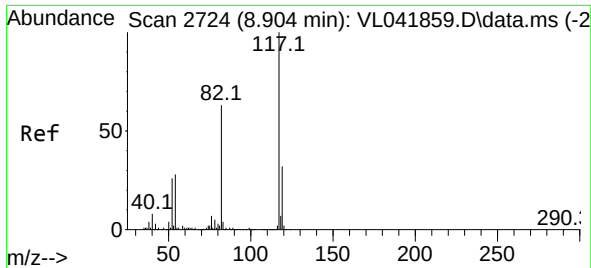


#54
1,2-Dibromoethane
Concen: 2.587 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion:107 Resp: 54562
Ion Ratio Lower Upper
107 100
109 95.4 75.9 113.9





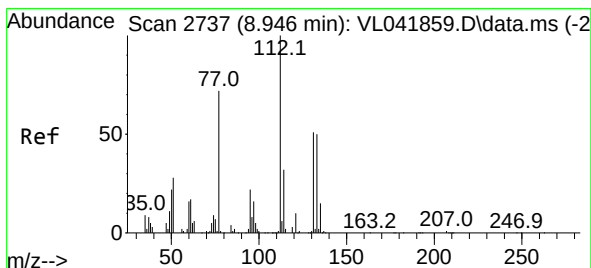
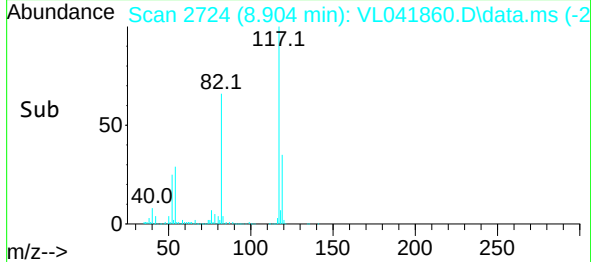
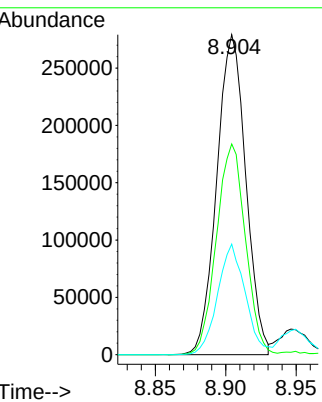
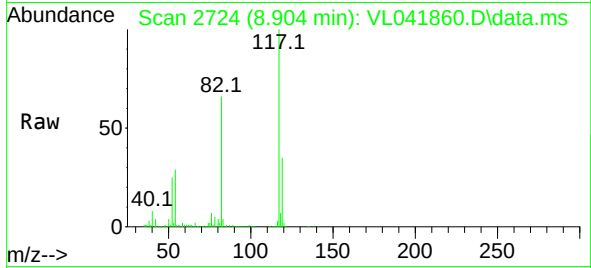
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 401428
Ion Ratio Lower Upper
117 100
82 66.5 59.1 88.7
119 33.7 27.3 40.9

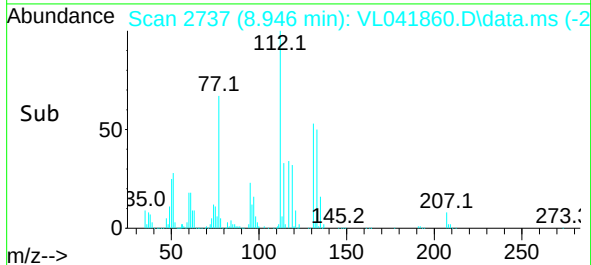
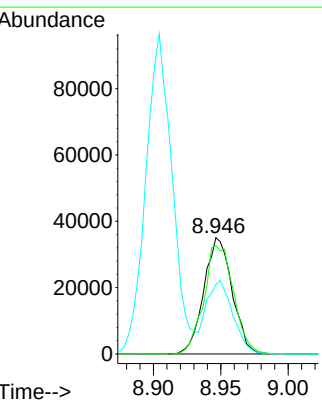
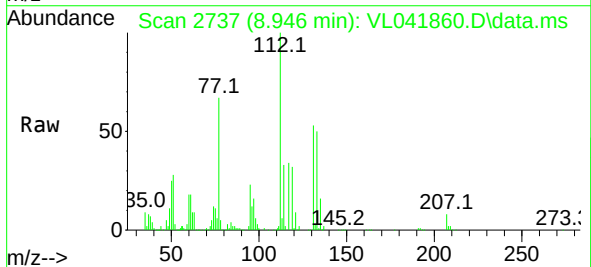
Manual Integrations
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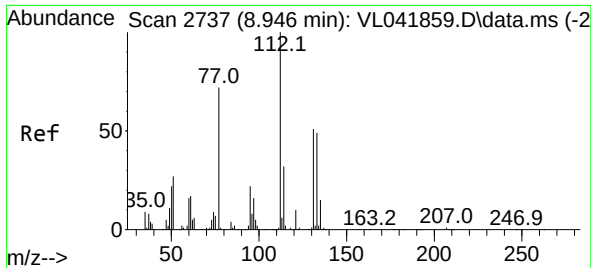
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 2.240 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:131 Resp: 51252
Ion Ratio Lower Upper
131 100
133 98.3 77.3 115.9
119 61.0 50.6 76.0





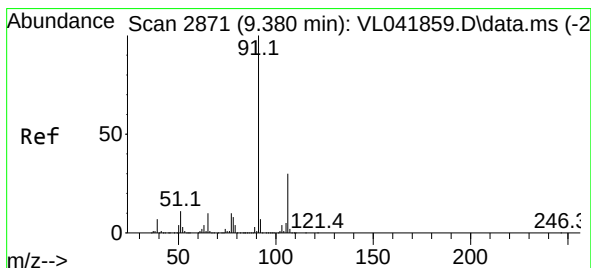
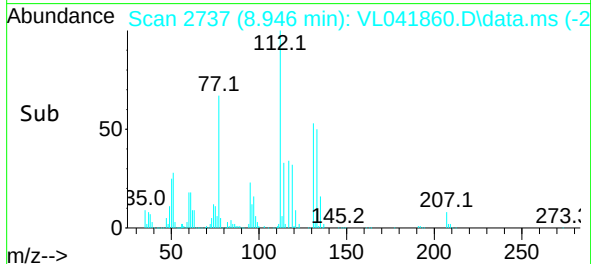
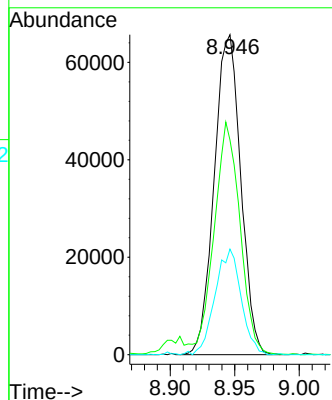
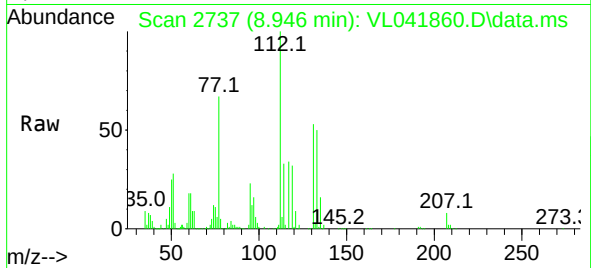
#57
Chlorobenzene
Concen: 2.242 ppbv
RT: 8.946 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 112 Resp: 94000
Ion Ratio Lower Upper
112 100
77 67.0 55.1 82.7
114 33.0 28.3 34.5

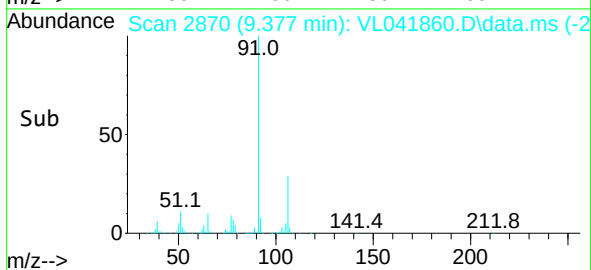
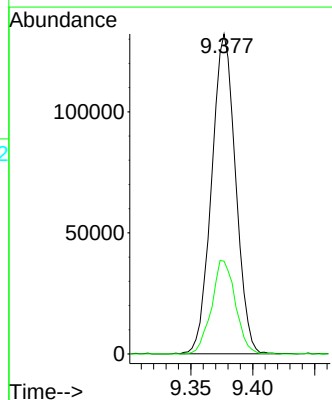
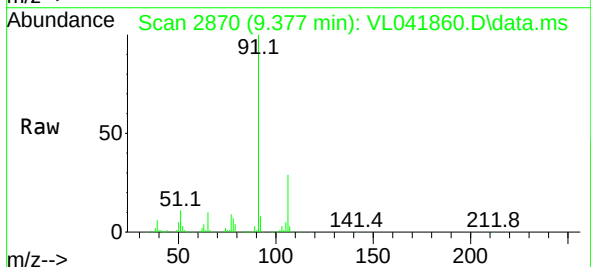
Manual Integrations
APPROVED

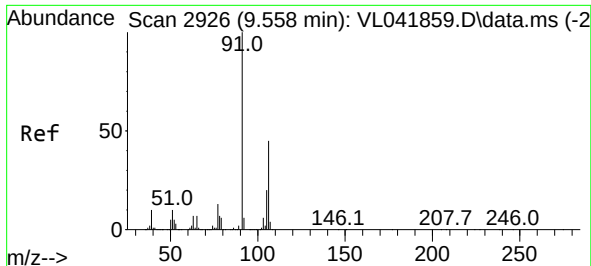
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 3.250 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 91 Resp: 177814
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8





#59

m/p-Xylene

Concen: 5.768 ppbv m

RT: 9.571 min Scan# 2926

Delta R.T. 0.006 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 91 Resp: 278550

Ion Ratio Lower Upper

91 100

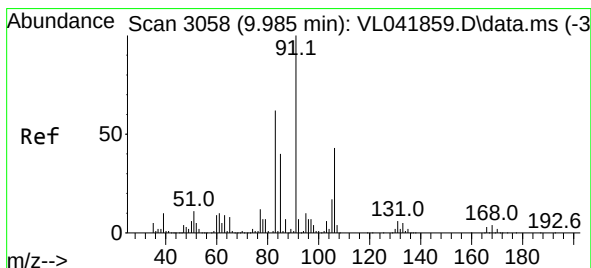
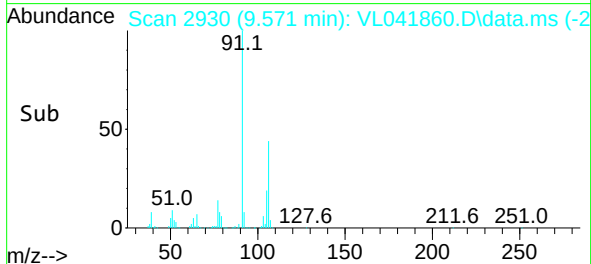
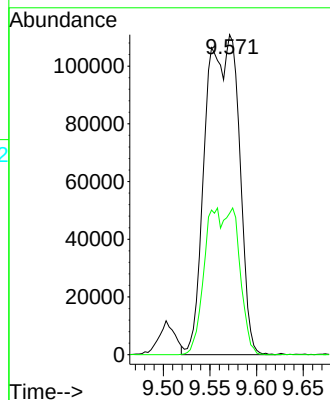
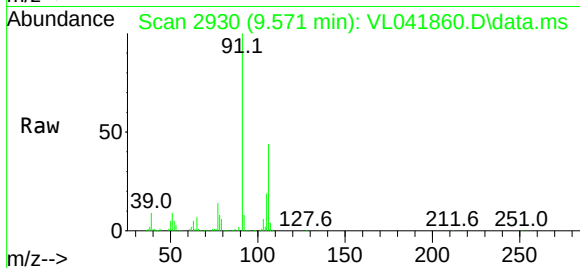
106 46.2 36.8 55.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#60

o-Xylene

Concen: 2.953 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.006 min

Lab File: VL041860.D

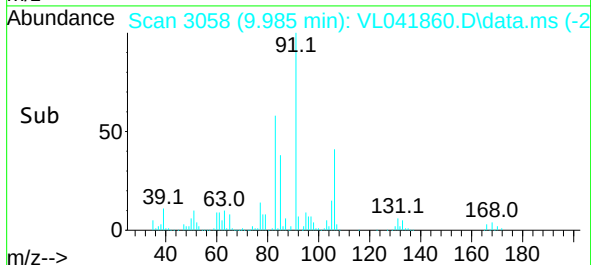
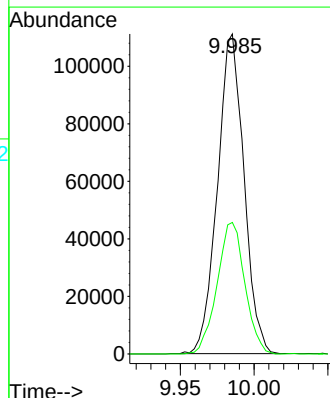
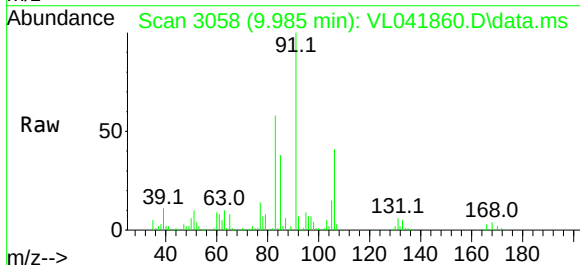
Acq: 09 Jan 2025 11:52

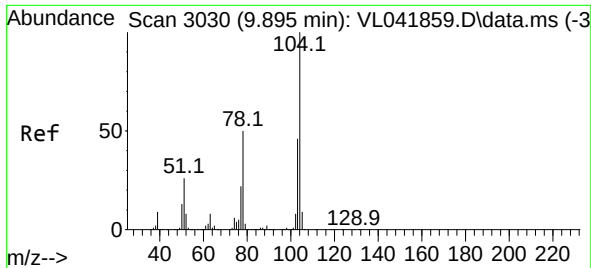
Tgt Ion: 91 Resp: 138722

Ion Ratio Lower Upper

91 100

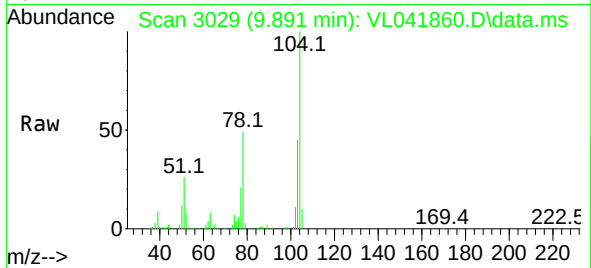
106 43.1 21.9 65.5





#61
Styrene
Concen: 3.779 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

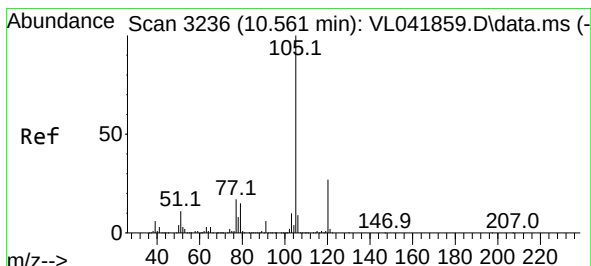
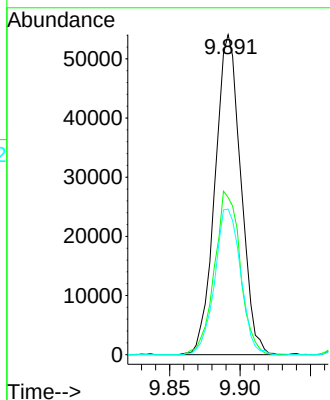
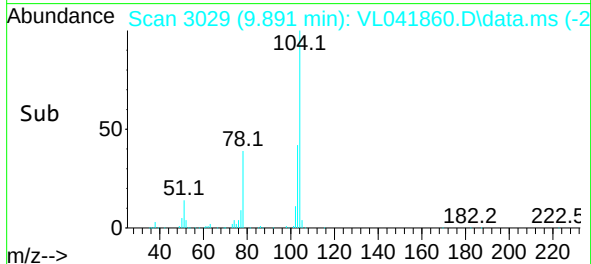
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



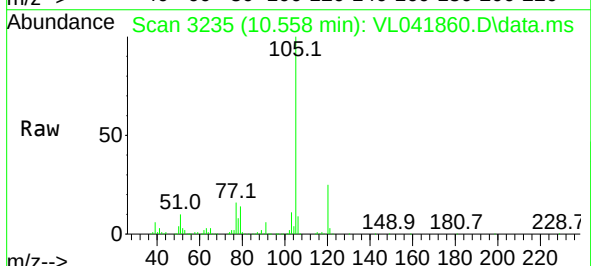
Tgt Ion:104 Resp: 68864
Ion Ratio Lower Upper
104 100
78 50.9 42.8 64.2
103 46.0 37.8 56.6

Manual Integrations
APPROVED

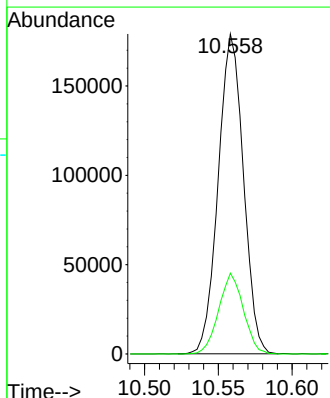
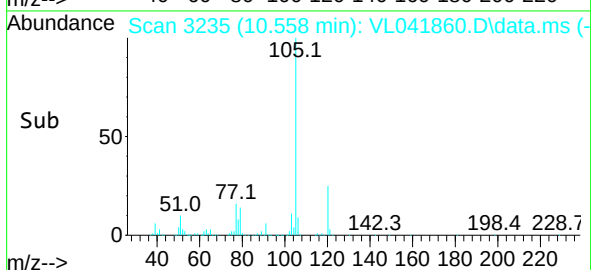
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

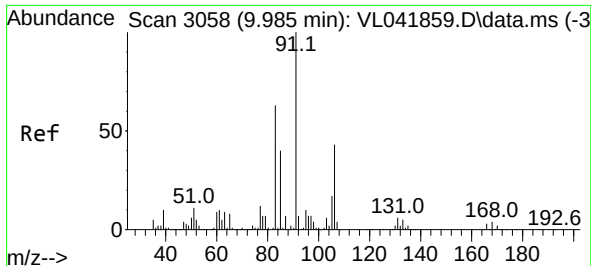


#62
Isopropylbenzene
Concen: 2.882 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



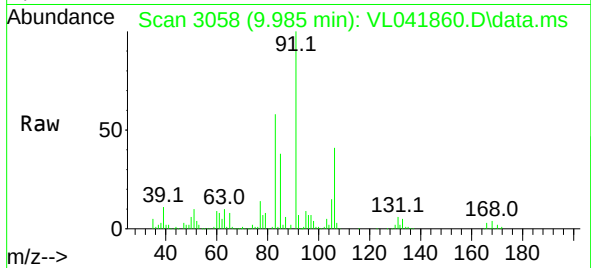
Tgt Ion:105 Resp: 212705
Ion Ratio Lower Upper
105 100
120 24.7 20.4 30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 2.012 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

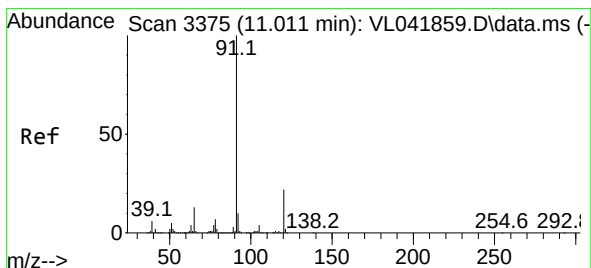
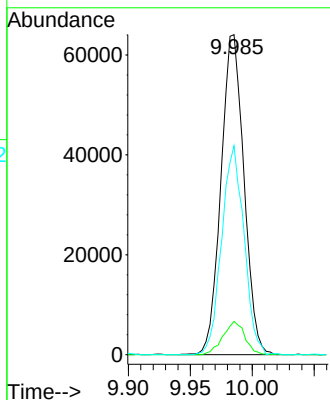
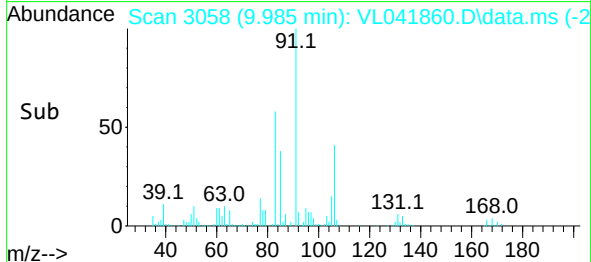
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



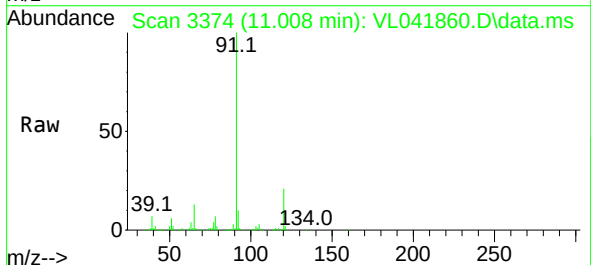
Tgt Ion: 83 Resp: 82870
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 63.5 31.9 95.9

Manual Integrations
APPROVED

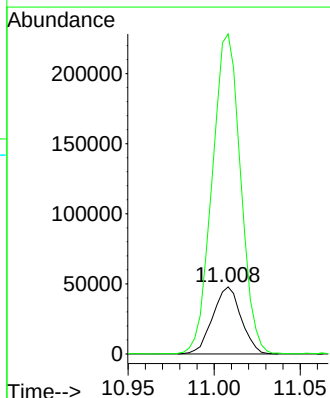
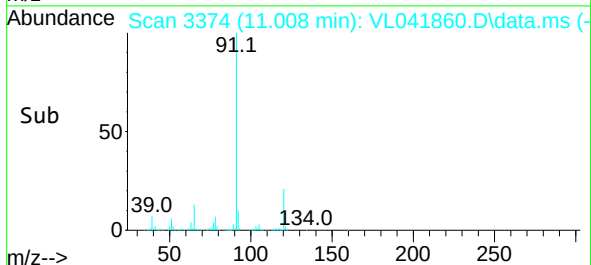
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

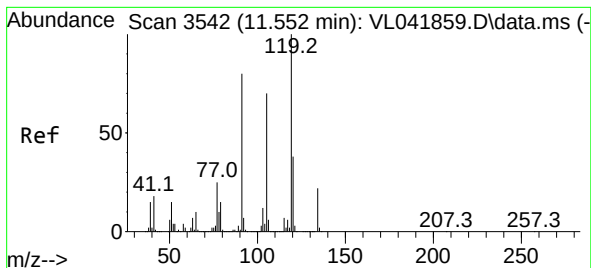


#64
n-propylbenzene
Concen: 2.899 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion:120 Resp: 54888
Ion Ratio Lower Upper
120 100
91 478.6 382.1 573.1





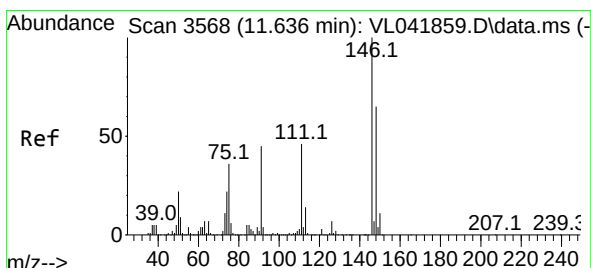
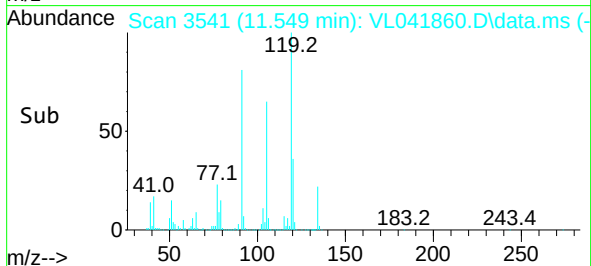
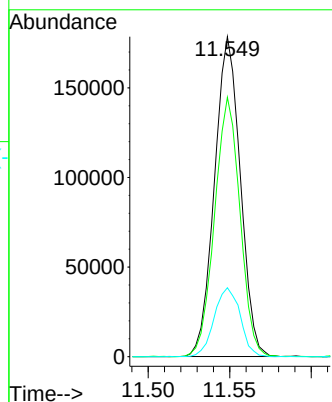
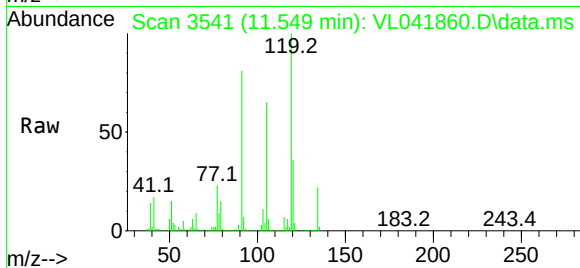
#65
tert-Butylbenzene
Concen: 2.957 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 196649
Ion Ratio Lower Upper
119 100
91 79.8 68.0 102.0
134 21.7 16.2 24.4

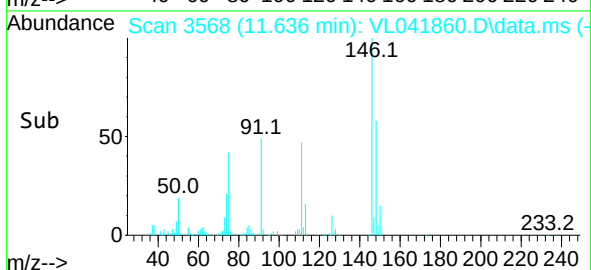
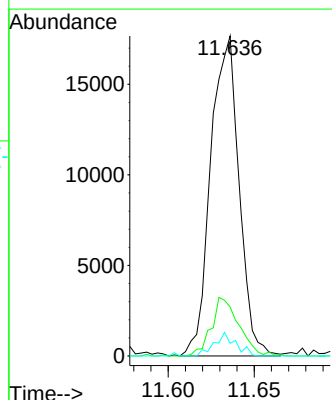
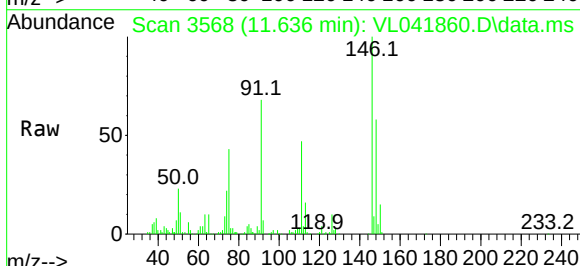
Manual Integrations
APPROVED

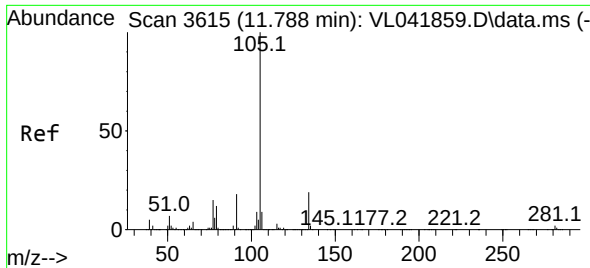
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#66
Benzyl Chloride
Concen: 3.652 ppbv
RT: 11.636 min Scan# 3568
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

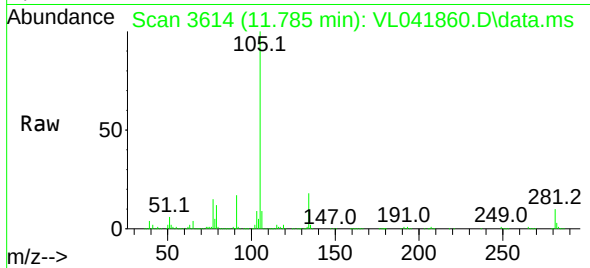
Tgt Ion: 91 Resp: 20300
Ion Ratio Lower Upper
91 100
126 17.8 12.1 18.1
128 5.6 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 2.787 ppbv
 RT: 11.785 min Scan# 3614
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

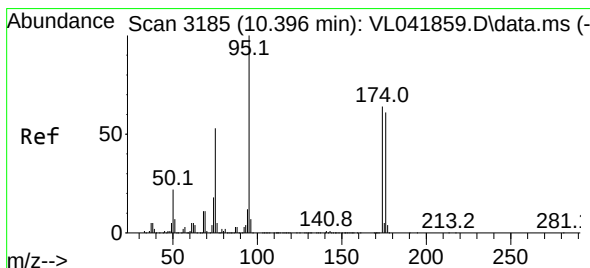
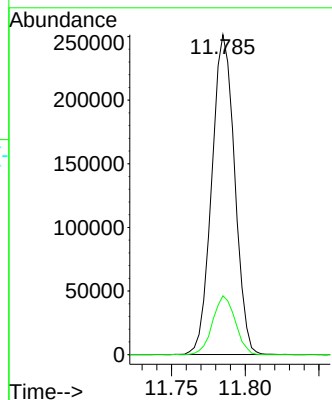
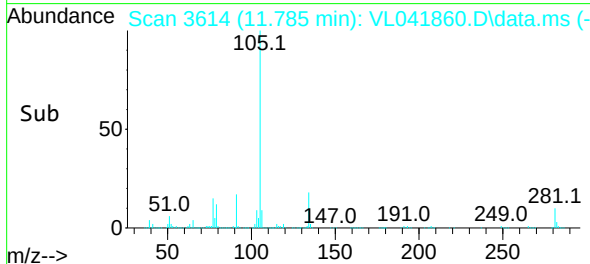
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



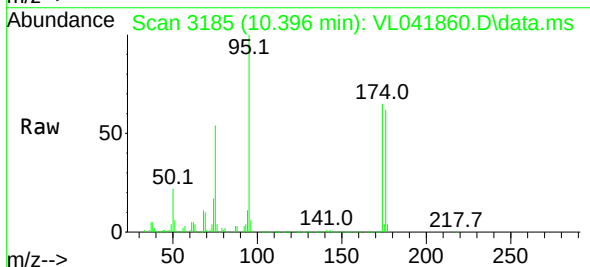
Tgt Ion:105 Resp: 270495
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 22.0

Manual Integrations
 APPROVED

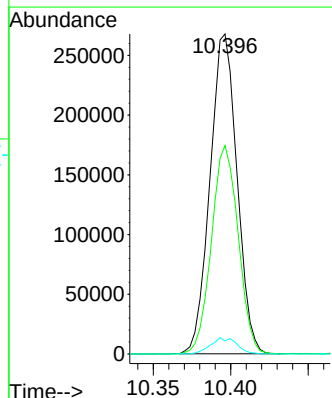
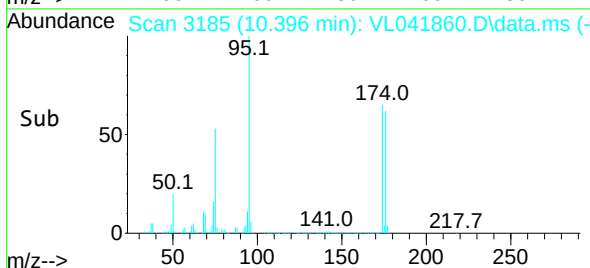
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

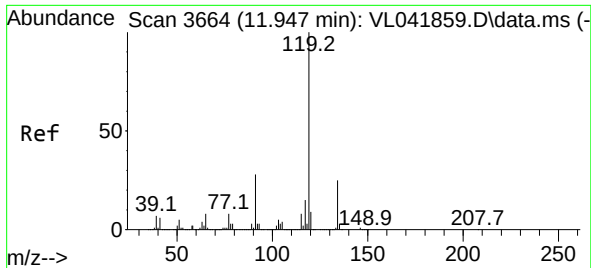


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.445 ppbv
 RT: 10.396 min Scan# 3185
 Delta R.T. 0.006 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52



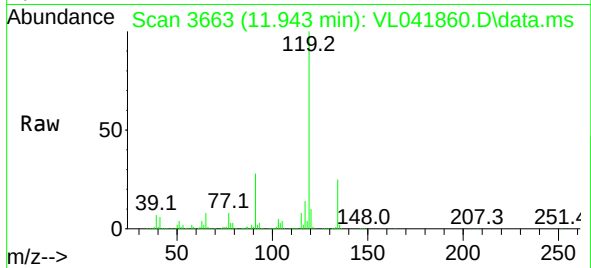
Tgt Ion: 95 Resp: 324737
 Ion Ratio Lower Upper
 95 100
 174 64.6 47.6 71.4
 175 5.0 3.8 5.6





#69
p-Isopropyltoluene
Concen: 3.015 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

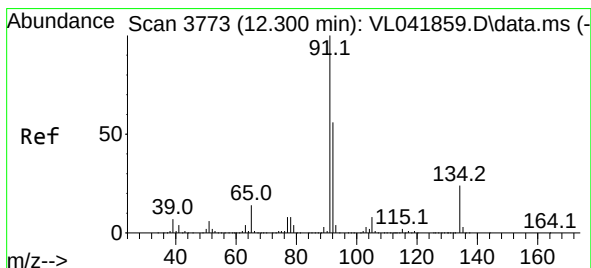
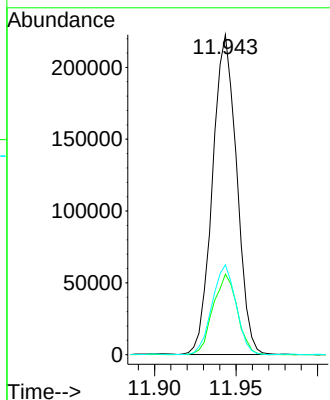
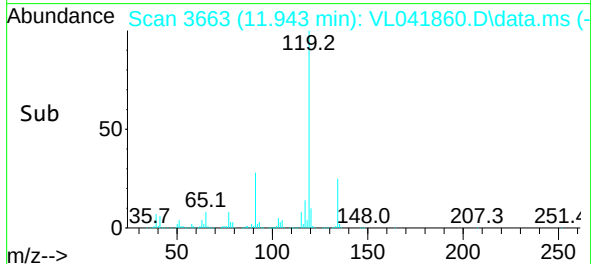
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



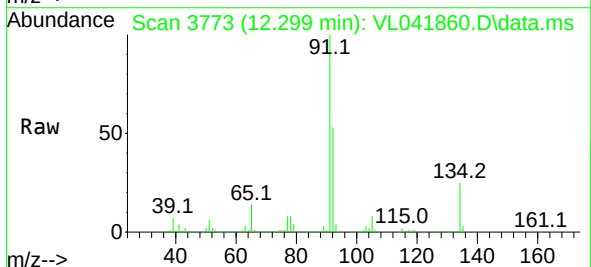
Tgt Ion:119 Resp: 22973
Ion Ratio Lower Upper
119 100
134 25.2 19.4 29.2
91 28.2 24.0 36.0

Manual Integrations
APPROVED

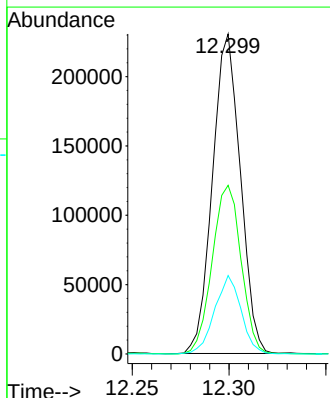
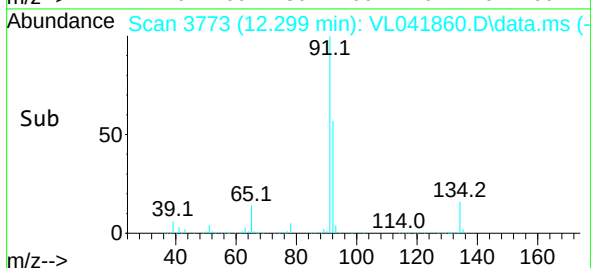
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

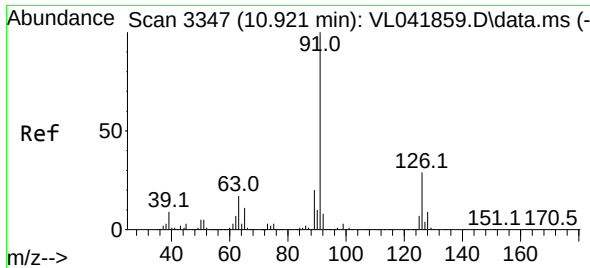


#70
n-Butylbenzene
Concen: 3.011 ppbv
RT: 12.299 min Scan# 3773
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



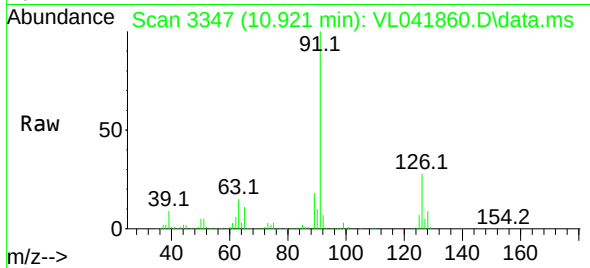
Tgt Ion: 91 Resp: 230497
Ion Ratio Lower Upper
91 100
92 54.9 42.8 64.2
134 23.5 17.8 26.6





#71
2-Chlorotoluene
Concen: 3.021 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

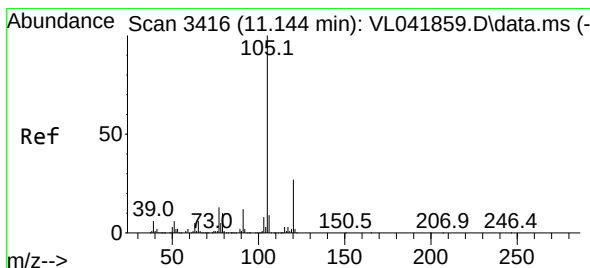
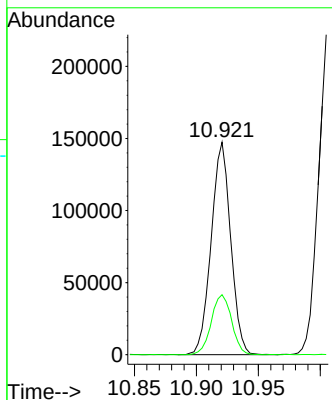
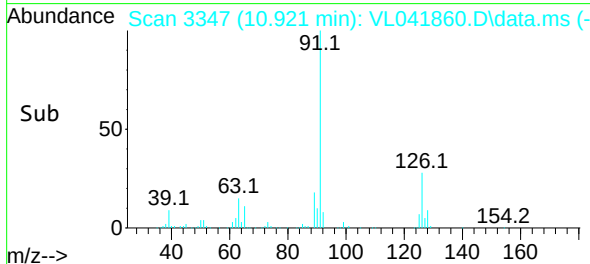
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



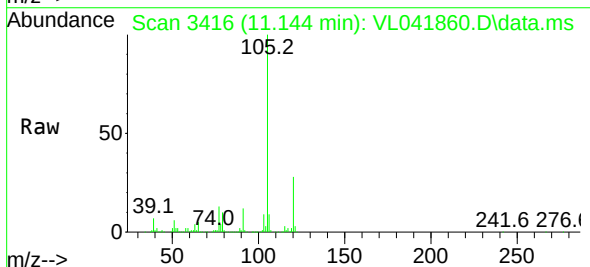
Tgt Ion: 91 Resp: 161864
Ion Ratio Lower Upper
91 100
126 29.4 11.6 46.6

Manual Integrations
APPROVED

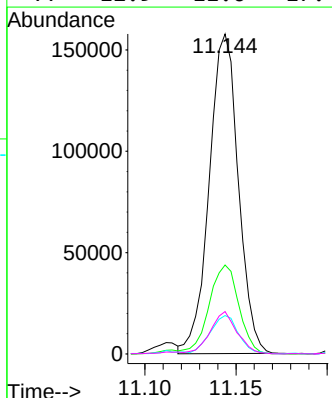
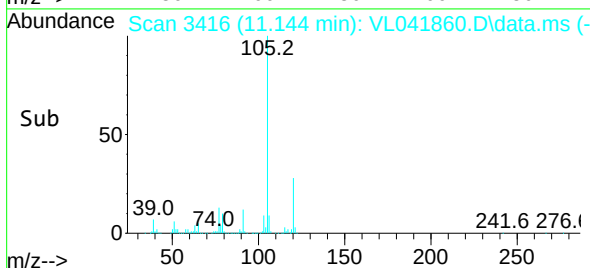
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

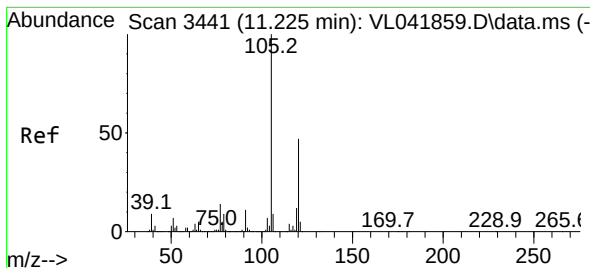


#72
4-Ethyltoluene
Concen: 3.083 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



Tgt Ion:105 Resp: 175142
Ion Ratio Lower Upper
105 100
120 29.3 23.4 35.2
91 12.4 10.8 16.2
77 12.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 2.953 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 14692

Ion Ratio Lower Upper

105 100

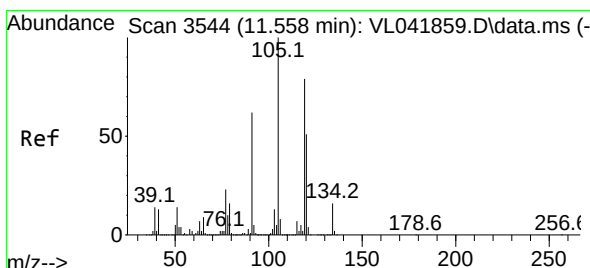
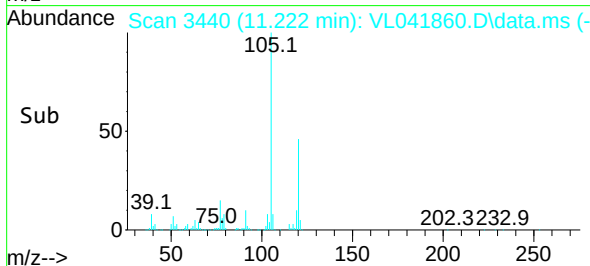
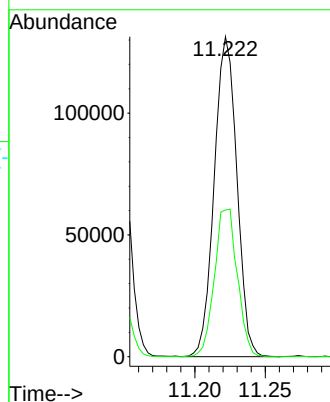
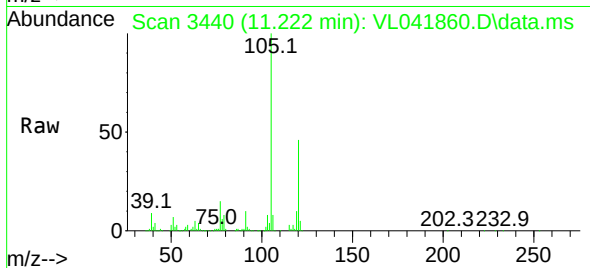
120 45.9 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.845 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 163980

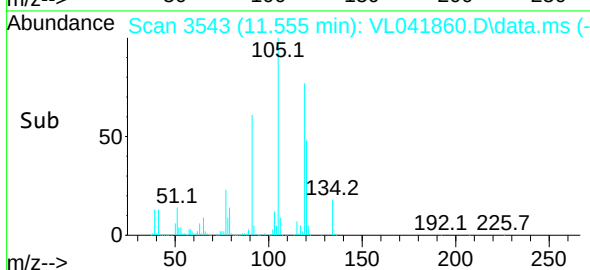
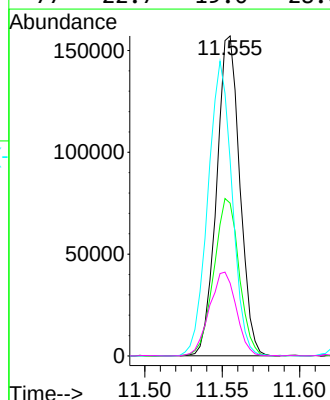
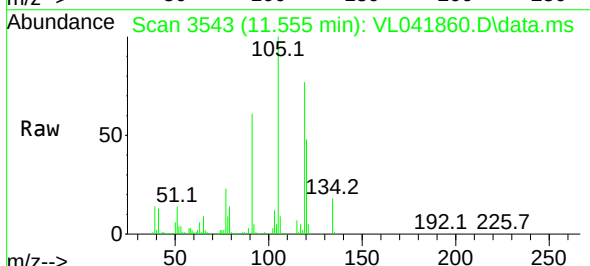
Ion Ratio Lower Upper

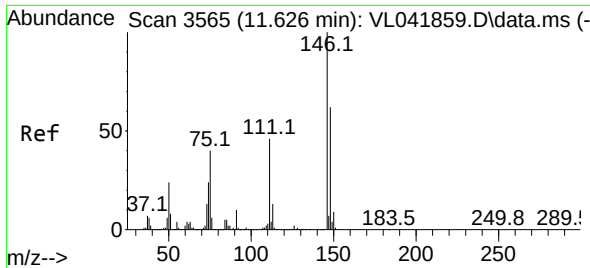
105 100

120 47.6 37.4 56.0

91 61.0 47.4 71.2

77 22.7 19.0 28.6





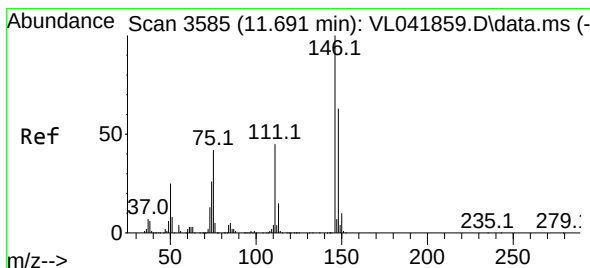
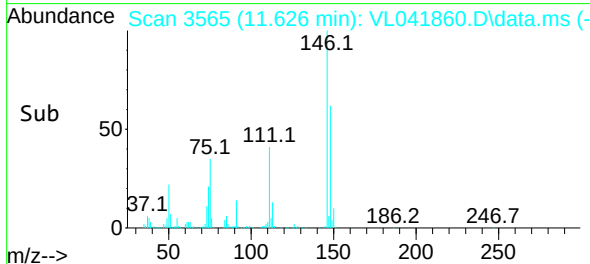
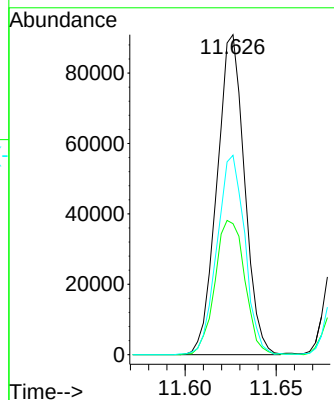
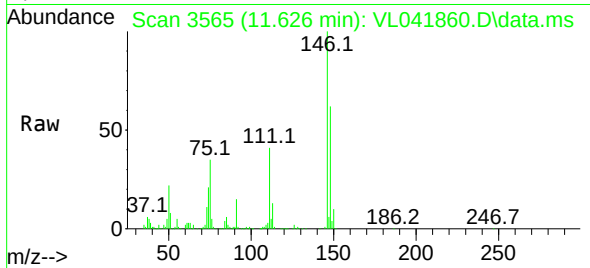
#75
1,3-Dichlorobenzene
Concen: 2.480 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

Tgt Ion:146 Resp: 95654
Ion Ratio Lower Upper
146 100
111 45.4 24.1 72.2
148 63.0 32.0 96.0

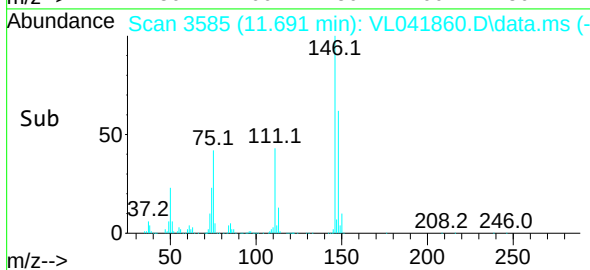
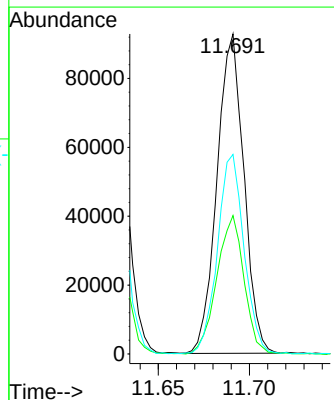
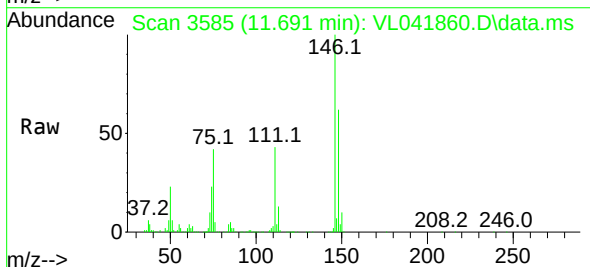
Manual Integrations
APPROVED

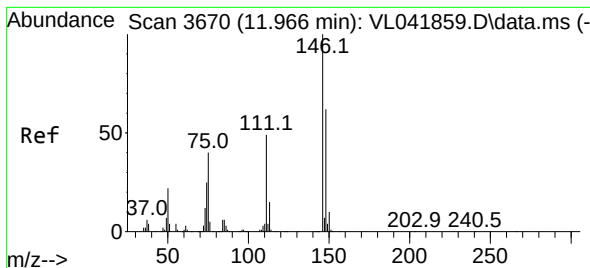
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#76
1,4-Dichlorobenzene
Concen: 2.564 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. 0.006 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:146 Resp: 95164
Ion Ratio Lower Upper
146 100
111 43.9 23.2 69.6
148 62.3 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 2.240 ppbv

RT: 11.966 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_1

ClientSampleId :

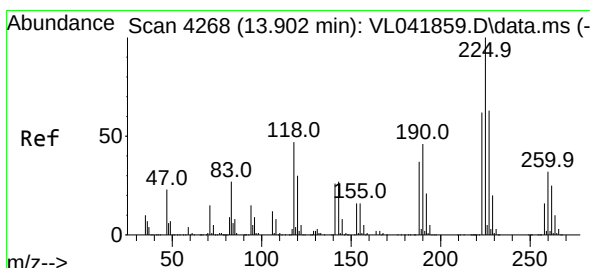
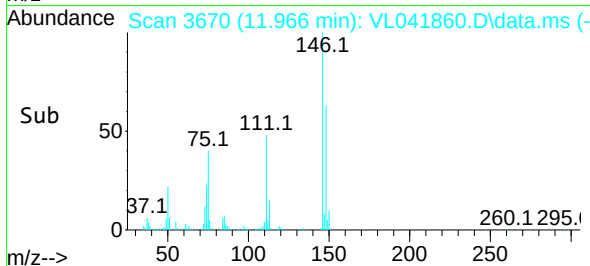
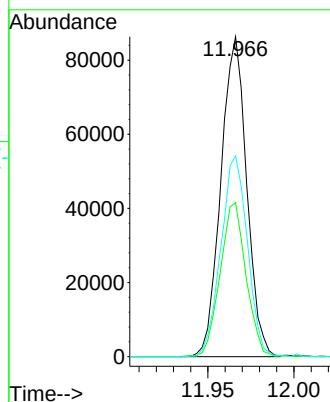
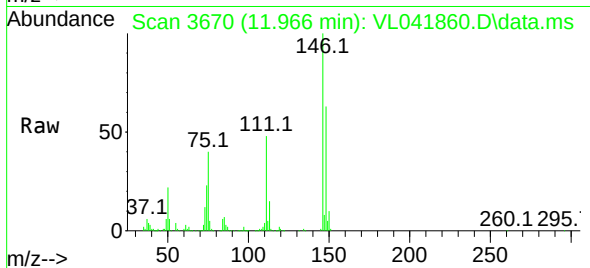
VSTDIC002

Tgt Ion:	146	Resp:	9004
Ion Ratio	Lower	Upper	
146	100		
111	48.3	24.7	74.1
148	64.7	31.5	94.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#78

Hexachloro-1,3-Butadiene

Concen: 2.839 ppbv

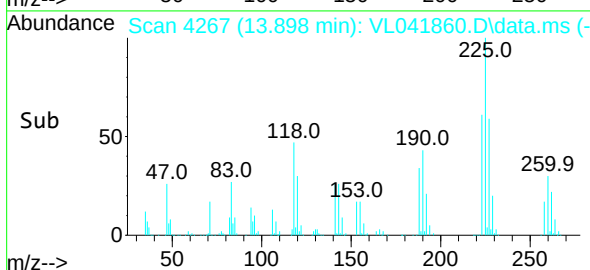
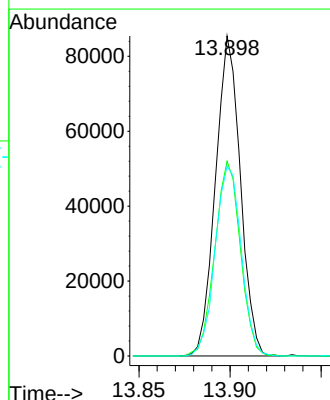
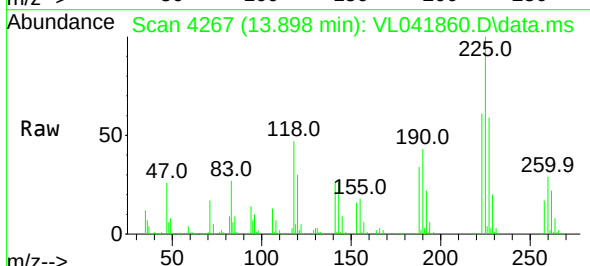
RT: 13.898 min Scan# 4267

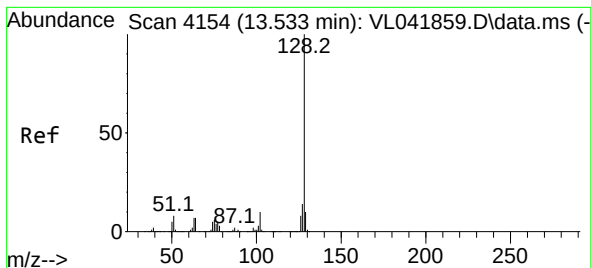
Delta R.T. 0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

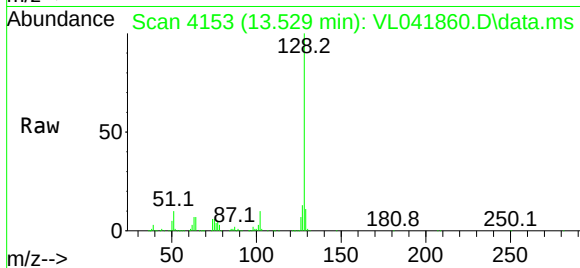
Tgt Ion:	225	Resp:	81017
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.4	75.6
227	62.2	51.2	76.8





#79
Naphthalene
Concen: 4.280 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

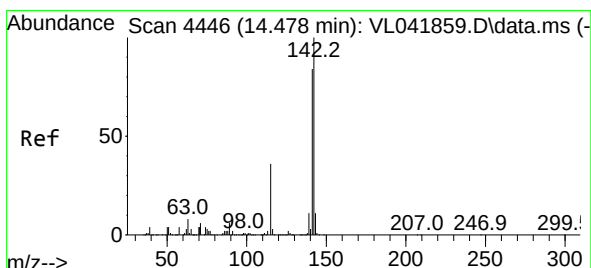
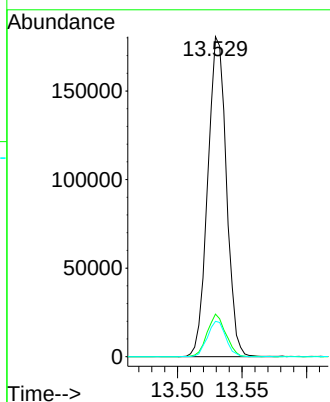
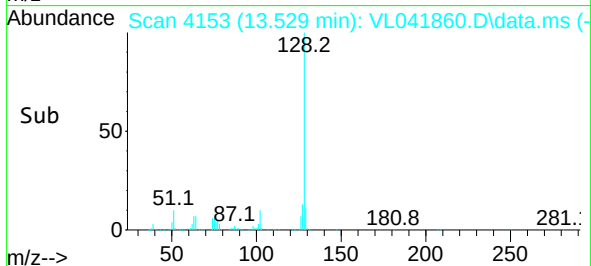
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



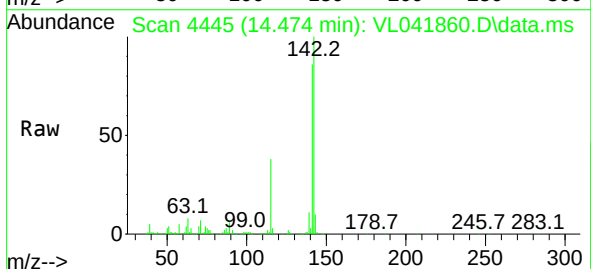
Tgt Ion:128 Resp: 18170
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 8.2 12.4

Manual Integrations
APPROVED

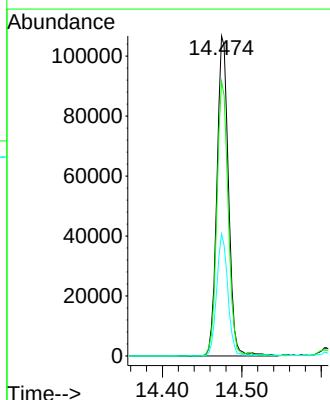
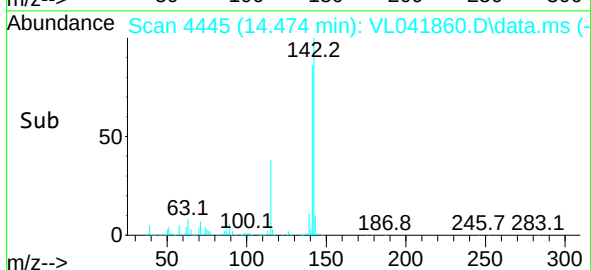
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

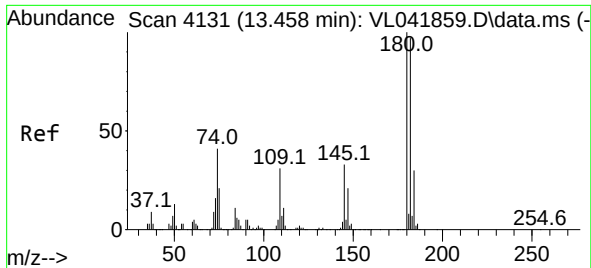


#80
Naphthalene,2-methyl-
Concen: 6.825 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52



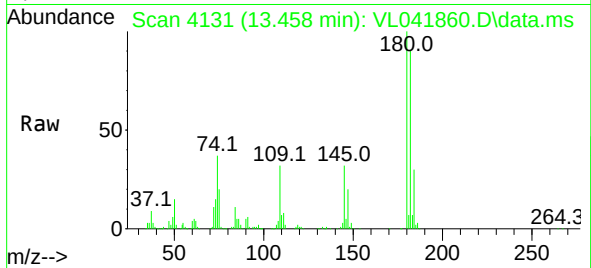
Tgt Ion:142 Resp: 107237
Ion Ratio Lower Upper
142 100
141 84.7 67.8 101.6
115 36.9 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 3.689 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

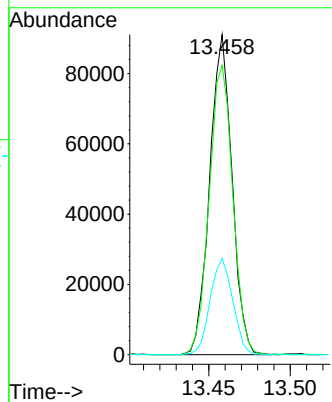
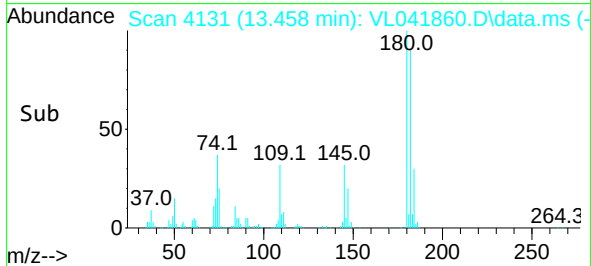
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion:180 Resp: 8680
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.9 113.9
 184 30.5 24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041861.D
 Acq On : 09 Jan 2025 12:22
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:30:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	143443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	434494	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	394905	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 317281 9.381 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	25040	1.064	ppbv	98
3) Chlorodifluoromethane	1.483	51	26900	1.196	ppbv	99
4) Chloromethane	1.541	50	9681	1.000	ppbv	90
5) Vinyl Chloride	1.586	62	9371	0.960	ppbv	97
6) Bromomethane	1.674	94	4513	1.079	ppbv	97
7) Chloroethane	1.712	64	4049	1.077	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	20696	1.019	ppbv	93
9) Propene	1.489	41	13149	1.680	ppbv	93
10) Heptane	5.011	43	33313	1.722	ppbv	99
11) Trichlorofluoromethane	1.887	101	24866	1.039	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.153	101	20153	1.131	ppbv	91
13) Ethanol	1.729	45	857m	0.962	ppbv	
14) Bromoethene	1.790	108	6917	1.185	ppbv #	85
15) Acetone	1.845	43	28258	1.070	ppbv #	86
16) 1,3-Butadiene	1.615	39	10650	1.028	ppbv	95
17) tert-Butyl alcohol	2.052	59	29021	1.268	ppbv #	92
18) 1,1-Dichloroethene	2.046	96	9481	1.270	ppbv	80
19) Isopropyl Alcohol	1.897	45	13968	1.127	ppbv #	97
20) Methylene Chloride	2.072	84	9326	1.235	ppbv	89
21) Allyl Chloride	2.107	41	16109	1.184	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	11020m	1.321	ppbv	
23) Vinyl Acetate	2.473	43	11666	1.377	ppbv #	95
24) 1,1-Dichloroethane	2.421	63	20750	1.137	ppbv #	94
25) Ethyl Acetate	2.855	43	62927	1.421	ppbv #	96
26) Hexane	2.842	57	25792	1.678	ppbv	89
27) Carbon Disulfide	2.162	76	24132	1.654	ppbv #	53
28) Methyl tert-Butyl Ether	2.457	73	19330	1.669	ppbv	99
29) Chloroform	2.865	83	36445	1.276	ppbv	100
30) Cyclohexane	3.881	84	21797	1.869	ppbv	92
31) cis-1,2-Dichloroethene	2.735	61	25721	1.626	ppbv	98
32) 1,1,1-Trichloroethane	3.389	97	34347	1.327	ppbv	95
34) 2-Butanone	2.573	43	37395	1.093	ppbv	96
35) Carbon Tetrachloride	3.784	117	33087	1.008	ppbv	94
36) Benzene	3.677	78	52621	1.268	ppbv #	91
37) 1,2-Dichloroethane	3.237	62	26348	0.966	ppbv #	93
38) Trichloroethene	4.577	130	20492	1.259	ppbv	97
39) 1,2-Dichloropropane	4.341	63	18342	1.142	ppbv #	78
40) 1,4-Dioxane	4.622	88	9193m	1.478	ppbv	
41) Tetrahydrofuran	3.082	42	21802	1.351	ppbv	89
42) Bromodichloromethane	4.515	83	37075	1.159	ppbv #	90
43) Methyl Methacrylate	4.913	69	20990	1.610	ppbv	93
44) 2,2,4-Trimethylpentane	4.671	57	89035	1.302	ppbv	92
45) t-1,3-Dichloropropene	6.448	75	21319m	1.675	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041861.D
 Acq On : 09 Jan 2025 12:22
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:30:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

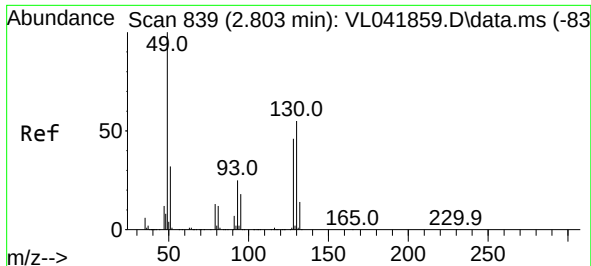
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	27792m	1.660	ppbv	
47) 1,1,2-Trichloroethane	6.619	97	19621	1.155	ppbv	97
48) Dibromochloromethane	7.412	129	27553m	1.275	ppbv	
49) Bromoform	9.503	173	24569	1.418	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	53757m	1.359	ppbv	
51) 2-Hexanone	7.470	43	43139m	1.440	ppbv	
52) Tetrachloroethene	8.250	164	18665	1.516	ppbv	91
53) Toluene	6.962	91	62304	1.685	ppbv	99
54) 1,2-Dibromoethane	7.678	107	26769	1.287	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.946	131	24293	1.079	ppbv #	91
57) Chlorobenzene	8.946	112	47288	1.146	ppbv	92
58) Ethyl Benzene	9.377	91	84795	1.575	ppbv	99
59) m/p-Xylene	9.552	91	135481m	2.852	ppbv	
60) o-Xylene	9.982	91	67480	1.460	ppbv	100
61) Styrene	9.891	104	32180	1.795	ppbv	99
62) Isopropylbenzene	10.558	105	101824	1.402	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	39140	0.966	ppbv	96
64) n-propylbenzene	11.008	120	26642	1.430	ppbv	99
65) tert-Butylbenzene	11.549	119	95303	1.457	ppbv	95
66) Benzyl Chloride	11.633	91	9179	1.679	ppbv #	91
67) sec-Butylbenzene	11.785	105	130334	1.365	ppbv	98
69) p-Isopropyltoluene	11.943	119	112256	1.498	ppbv	98
70) n-Butylbenzene	12.299	91	111884	1.486	ppbv	99
71) 2-Chlorotoluene	10.917	91	79598	1.510	ppbv	99
72) 4-Ethyltoluene	11.141	105	84096	1.505	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	71812	1.467	ppbv	98
74) 1,2,4-Trimethylbenzene	11.552	105	79018	1.394	ppbv #	92
75) 1,3-Dichlorobenzene	11.623	146	46462	1.224	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	45316	1.241	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	44103	1.115	ppbv	98
78) Hexachloro-1,3-Butadiene	13.898	225	40100	1.428	ppbv	98
79) Naphthalene	13.529	128	86398	2.069	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	49807	3.222	ppbv	96
81) 1,2,4-Trichlorobenzene	13.455	180	42679	1.844	ppbv	99

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



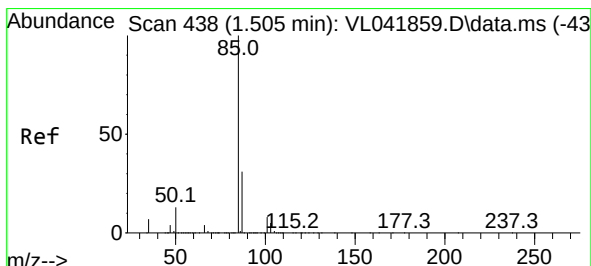
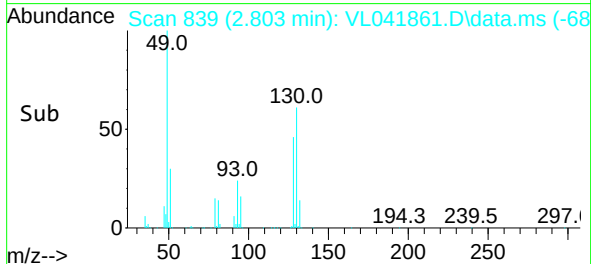
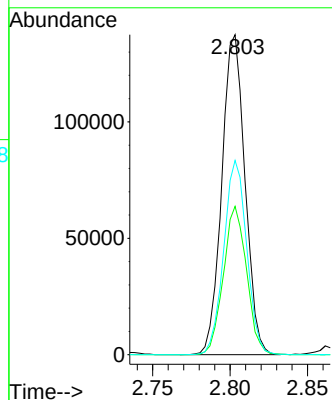
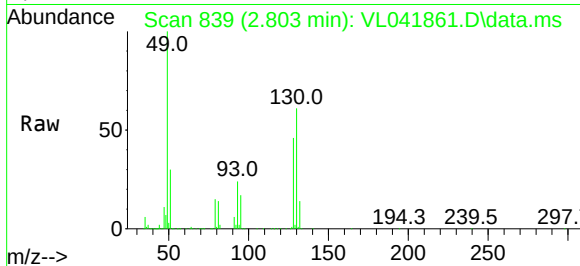
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 14344
Ion Ratio Lower Upper
49 100
128 46.3 19.7 59.1
130 60.1 26.4 79.2

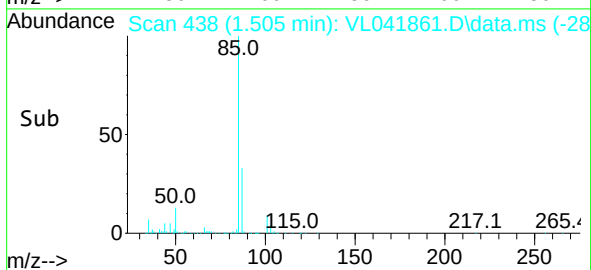
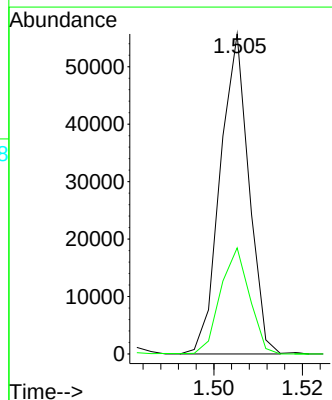
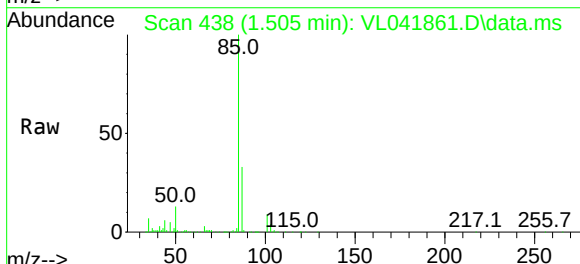
Manual Integrations
APPROVED

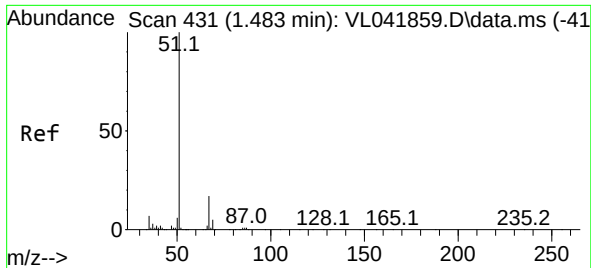
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 1.064 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

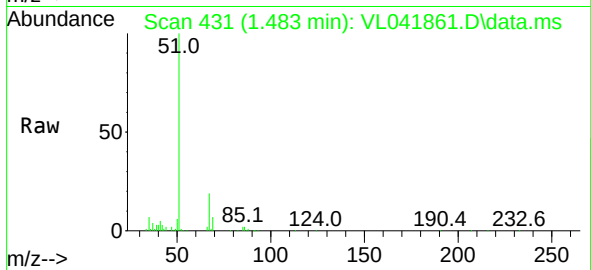
Tgt Ion: 85 Resp: 25040
Ion Ratio Lower Upper
85 100
87 33.2 25.6 38.4





#3
Chlorodifluoromethane
Concen: 1.196 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

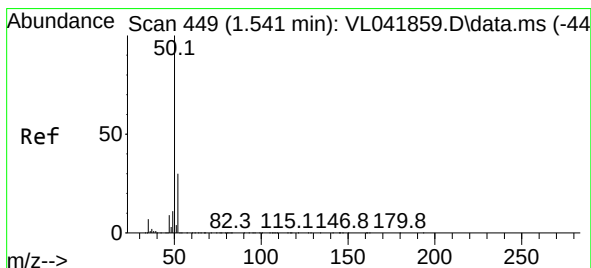
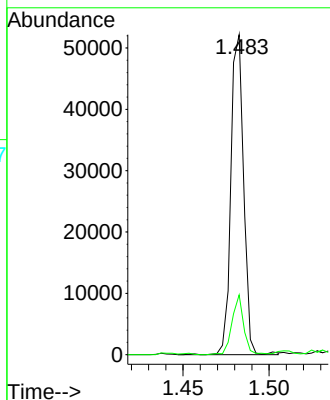
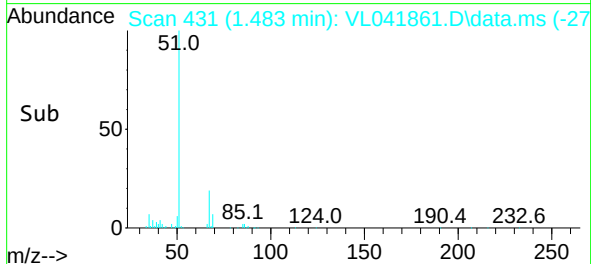
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



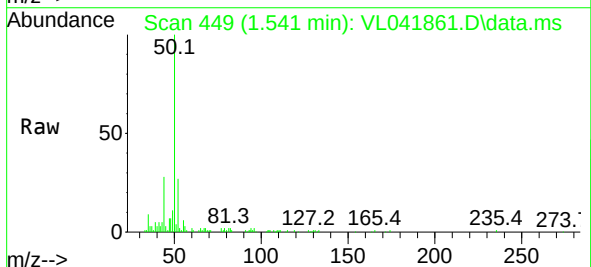
Tgt Ion: 51 Resp: 26900
Ion Ratio Lower Upper
51 100
67 17.9 14.6 22.0

Manual Integrations
APPROVED

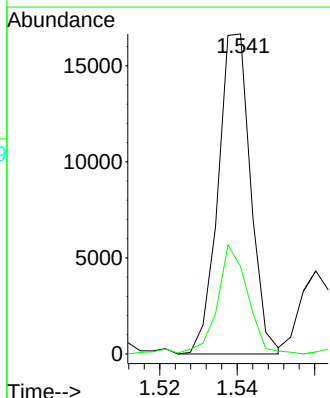
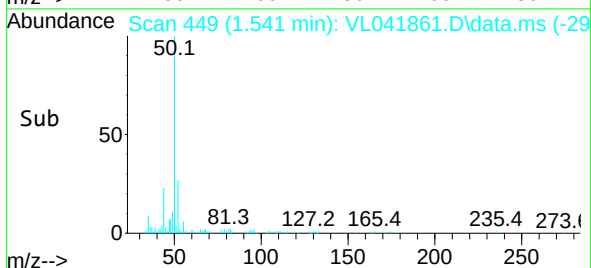
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

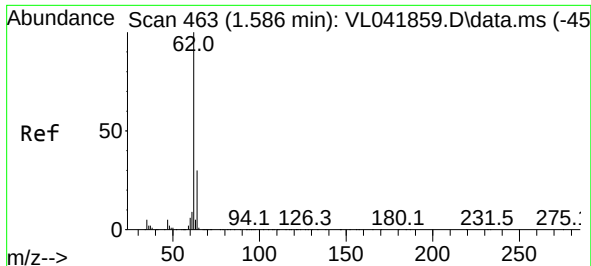


#4
Chloromethane
Concen: 1.000 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



Tgt Ion: 50 Resp: 9681
Ion Ratio Lower Upper
50 100
52 27.1 26.1 39.1





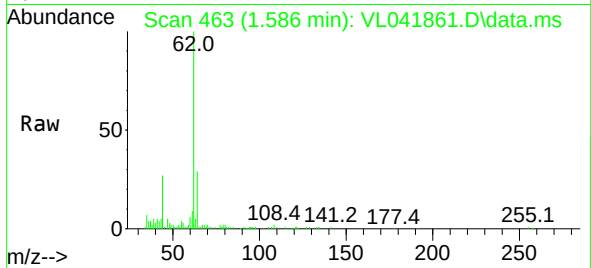
#5
 Vinyl Chloride
 Concen: 0.960 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

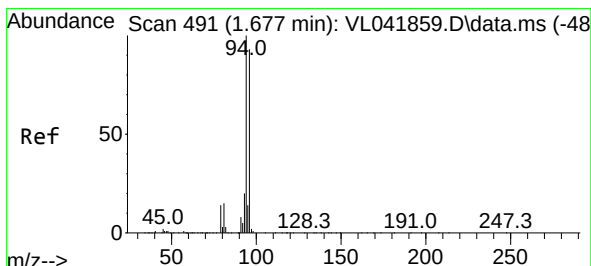
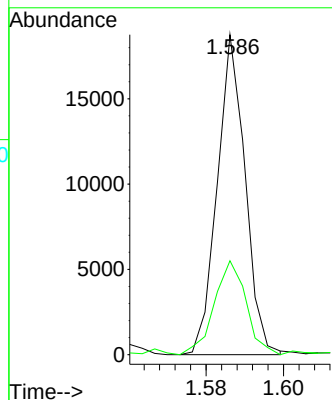
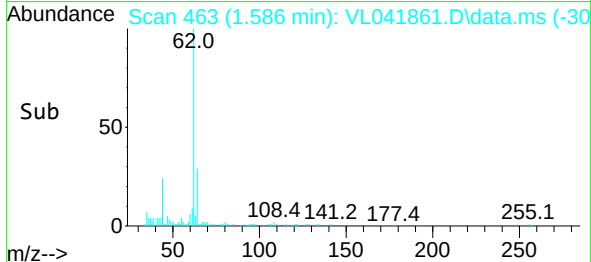


Tgt Ion: 62 Resp: 937
 Ion Ratio Lower Upper
 62 100
 64 29.3 24.9 37.3

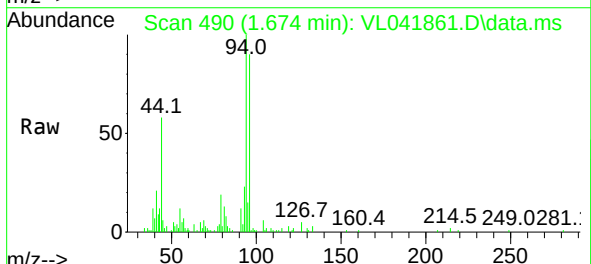
Manual Integrations

APPROVED

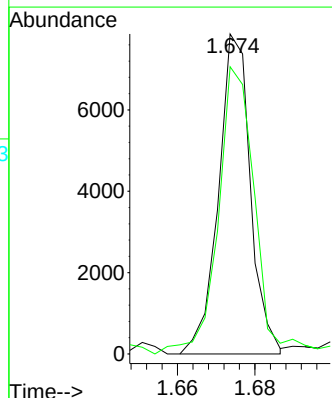
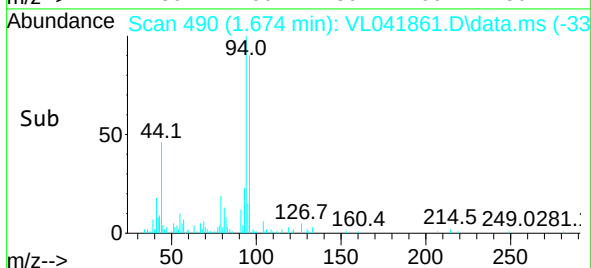
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

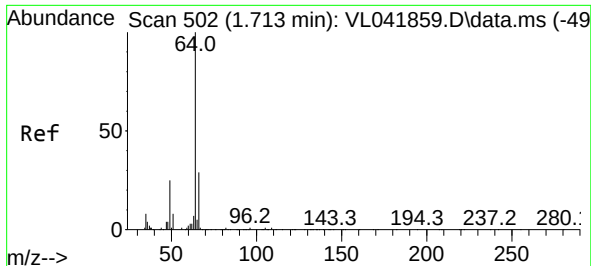


#6
 Bromomethane
 Concen: 1.079 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



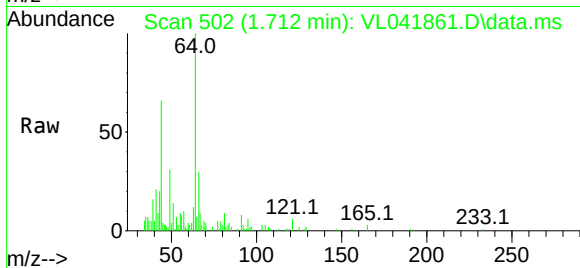
Tgt Ion: 94 Resp: 4513
 Ion Ratio Lower Upper
 94 100
 96 86.9 72.0 108.0





#7
Chloroethane
Concen: 1.077 ppbv
RT: 1.712 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

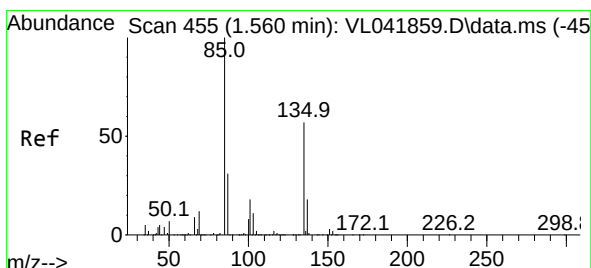
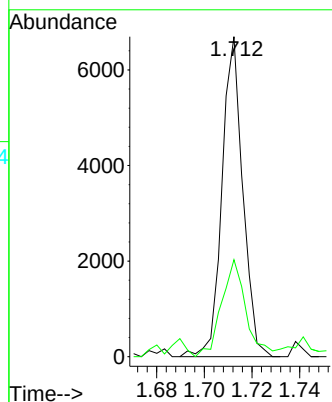
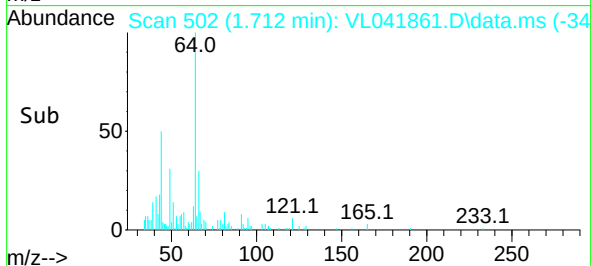
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



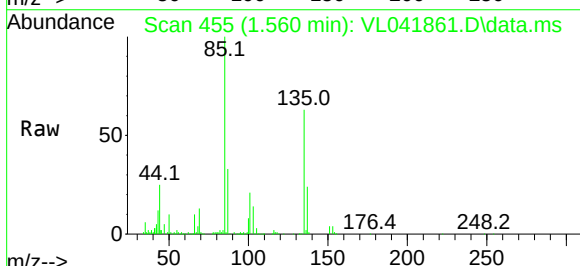
Tgt Ion: 64 Resp: 4049
Ion Ratio Lower Upper
64 100
66 30.3 25.6 38.4

Manual Integrations
APPROVED

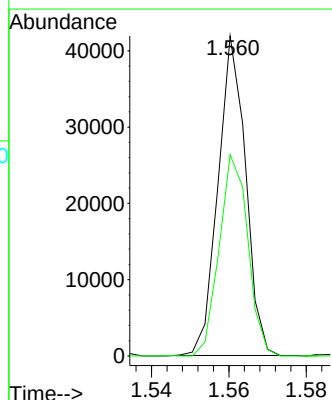
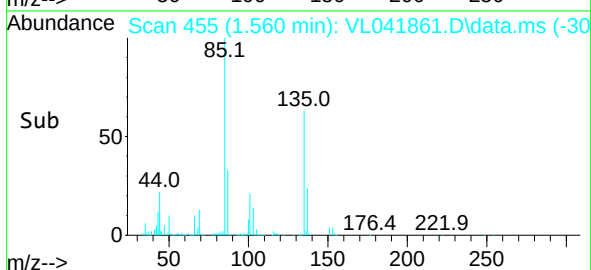
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

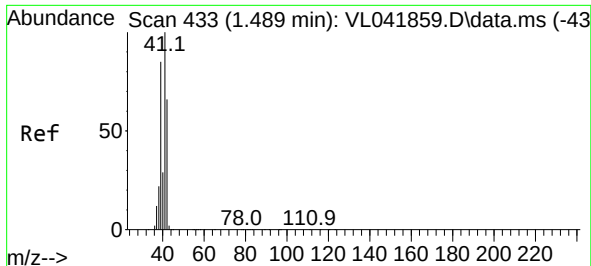


#8
Dichlorotetrafluoroethane
Concen: 1.019 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



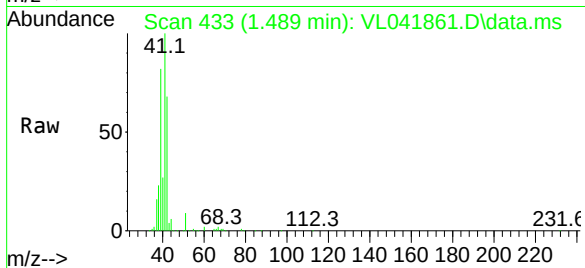
Tgt Ion: 85 Resp: 20696
Ion Ratio Lower Upper
85 100
135 65.5 47.9 71.9





#9
Propene
Concen: 1.680 ppbv
RT: 1.489 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

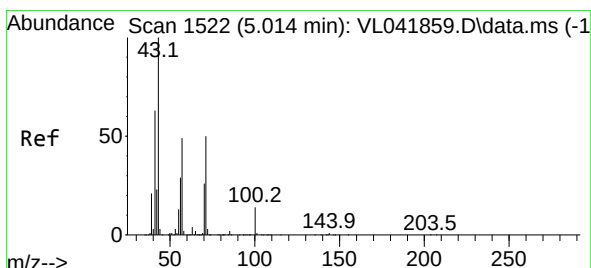
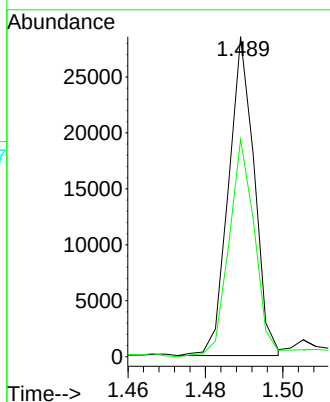
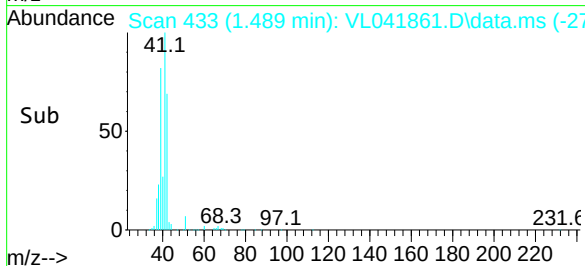
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



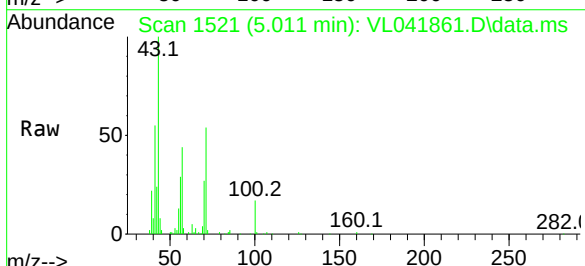
Tgt Ion: 41 Resp: 13149
Ion Ratio Lower Upper
41 100
42 74.0 54.4 81.6

Manual Integrations
APPROVED

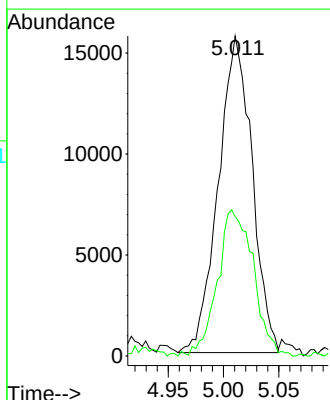
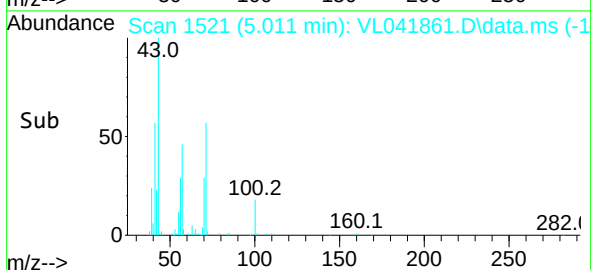
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

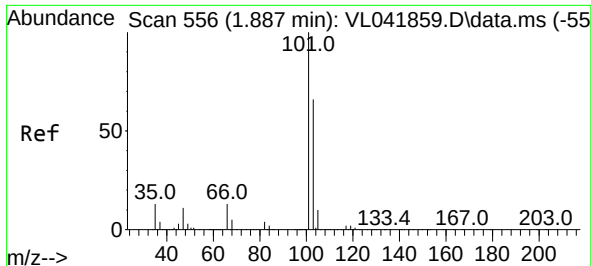


#10
Heptane
Concen: 1.722 ppbv
RT: 5.011 min Scan# 1521
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



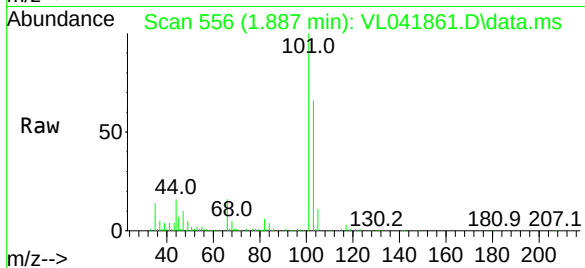
Tgt Ion: 43 Resp: 33313
Ion Ratio Lower Upper
43 100
57 47.8 37.8 56.6





#11
 Trichlorofluoromethane
 Concen: 1.039 ppbv
 RT: 1.887 min Scan# 556
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

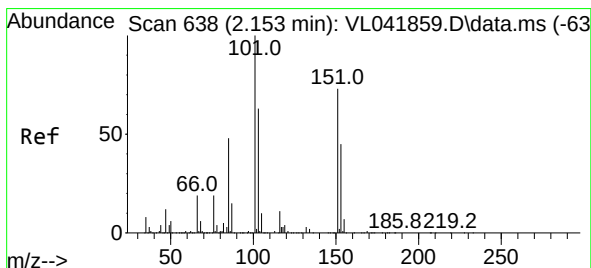
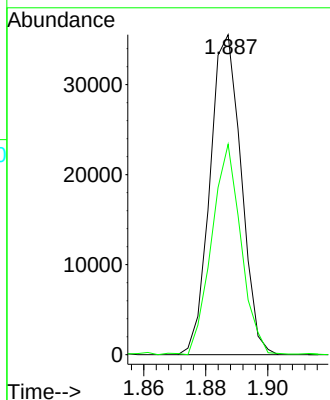
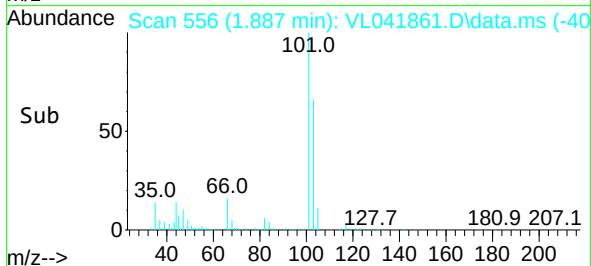
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



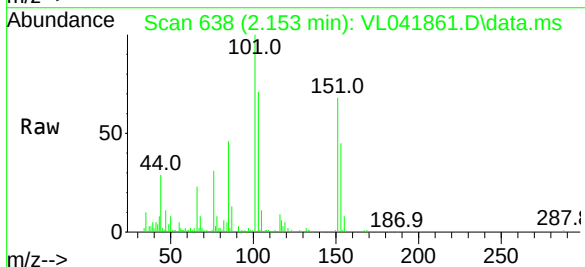
Tgt Ion:101 Resp: 24860
 Ion Ratio Lower Upper
 101 100
 103 65.4 49.4 74.0

Manual Integrations
 APPROVED

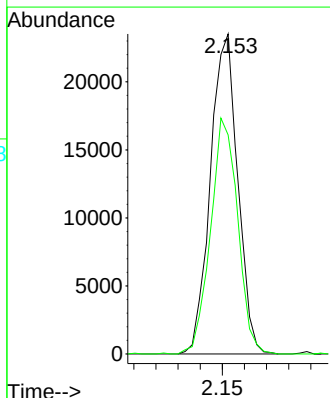
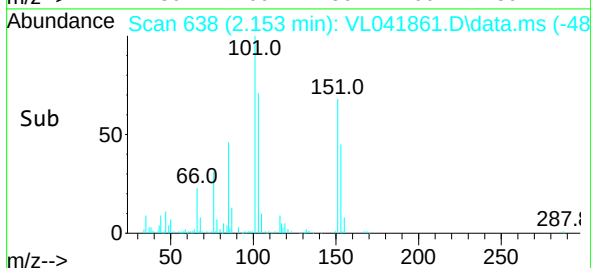
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

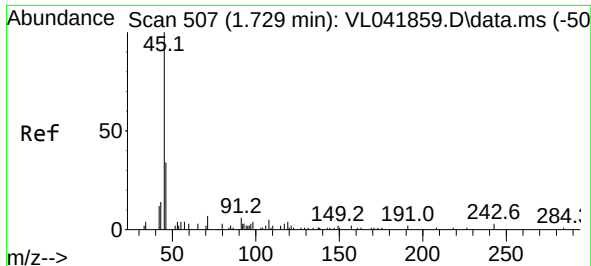


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.131 ppbv
 RT: 2.153 min Scan# 638
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



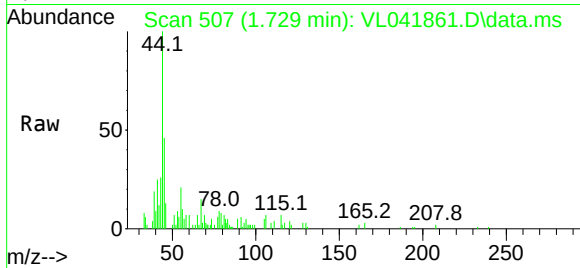
Tgt Ion:101 Resp: 20153
 Ion Ratio Lower Upper
 101 100
 151 73.3 53.2 79.8





#13
Ethanol
Concen: 0.962 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

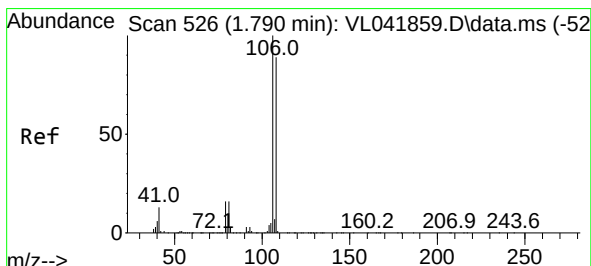
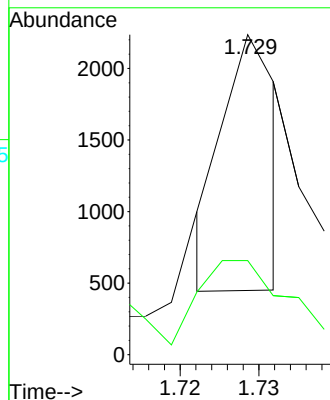
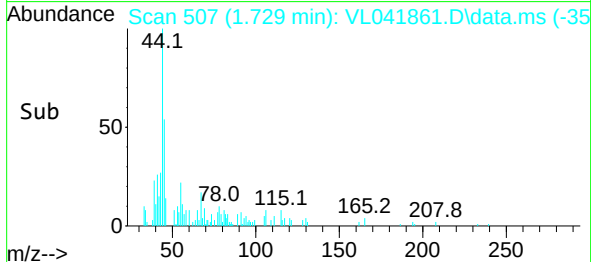
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



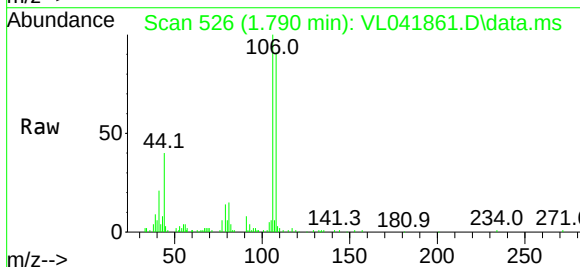
Tgt Ion: 45 Resp: 85
Ion Ratio Lower Upper
45 100
46 112.1 16.1 64.5

Manual Integrations
APPROVED

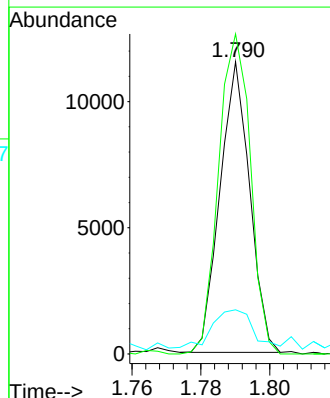
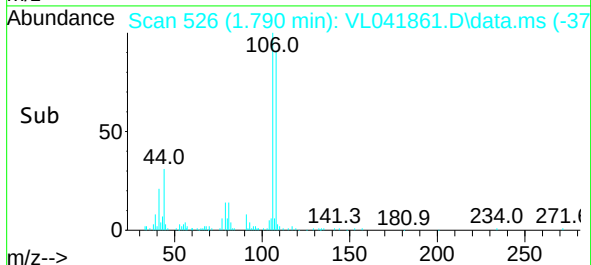
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

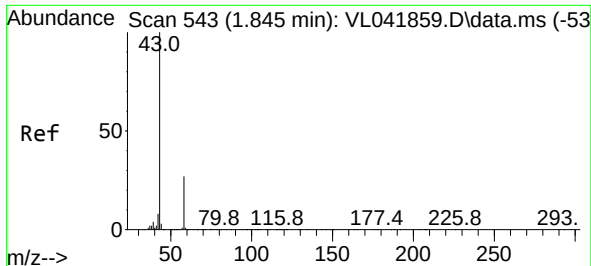


#14
Bromoethene
Concen: 1.185 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



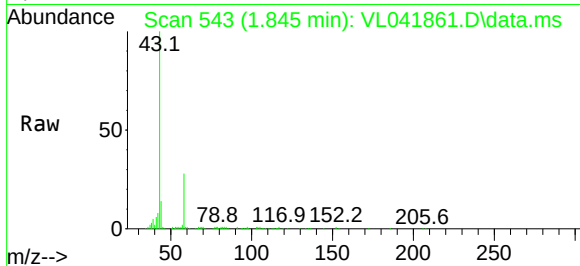
Tgt Ion:108 Resp: 6917
Ion Ratio Lower Upper
108 100
106 121.2 84.6 126.8
79 31.1 18.3 27.5





#15
Acetone
Concen: 1.070 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

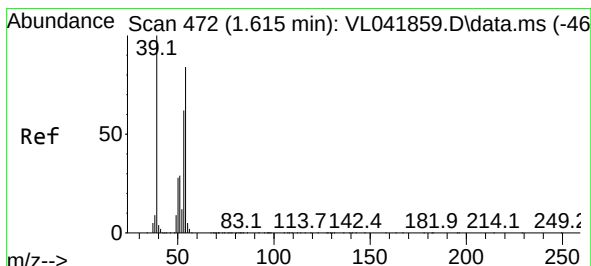
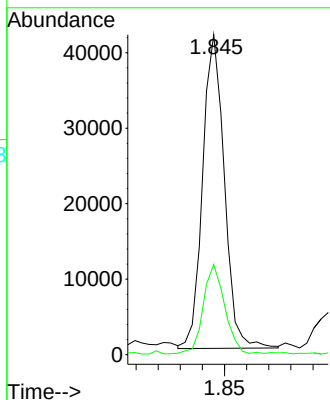
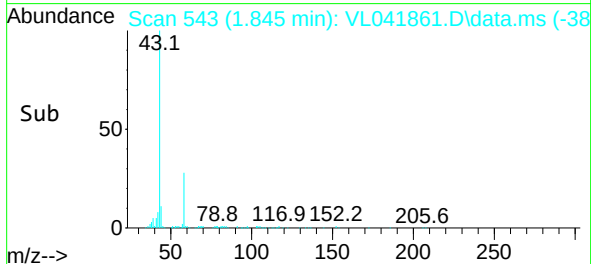
Instrument : MSVOA_L
Client Sample Id : VSTDIC001



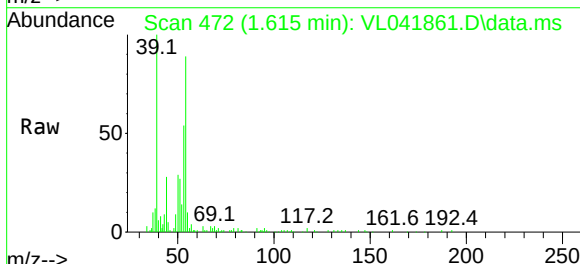
Tgt Ion: 43 Resp: 28258
Ion Ratio Lower Upper
43 100
58 32.0 20.2 30.2

Manual Integrations
APPROVED

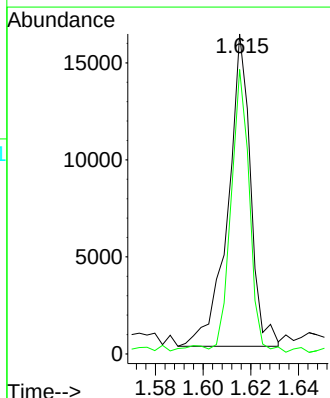
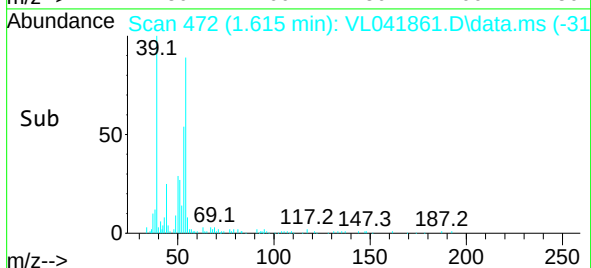
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

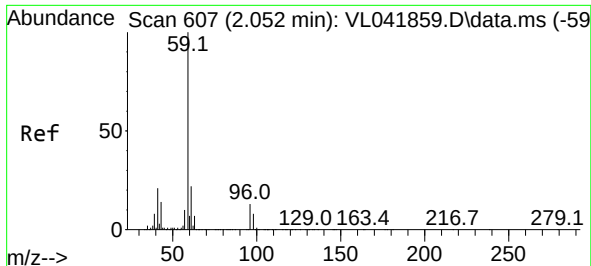


#16
1,3-Butadiene
Concen: 1.028 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



Tgt Ion: 39 Resp: 10650
Ion Ratio Lower Upper
39 100
54 74.2 56.2 84.4





#17

tert-Butyl alcohol

Concen: 1.268 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 2902

Ion Ratio Lower Upper

59 100

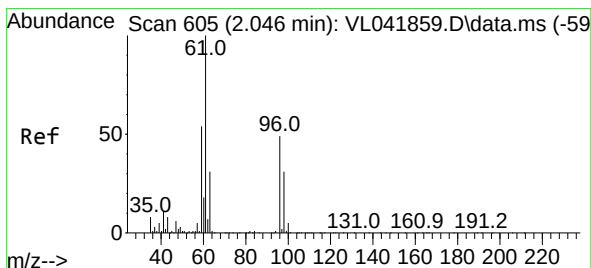
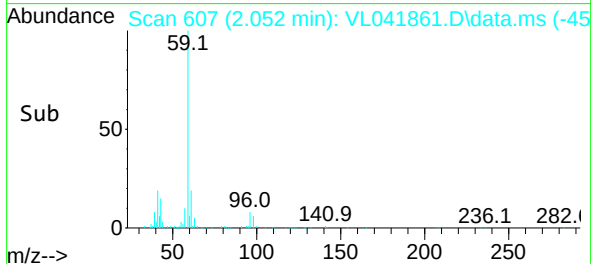
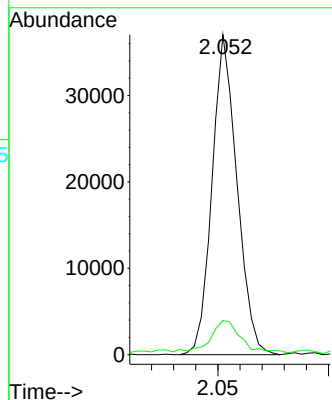
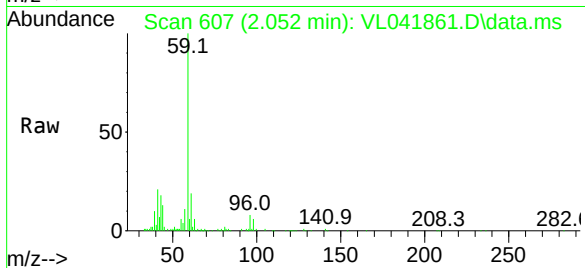
57 13.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 1.270 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

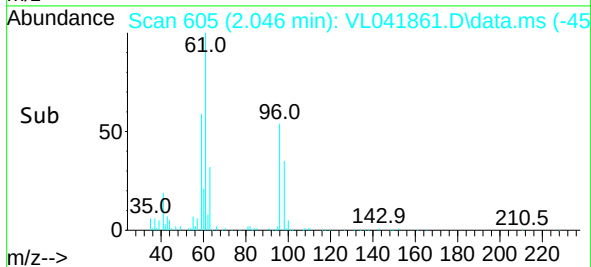
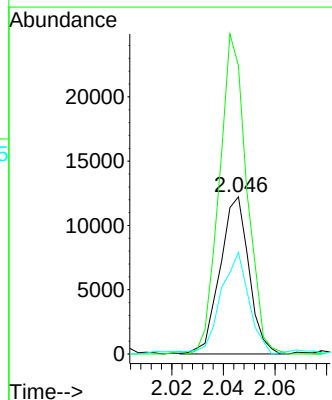
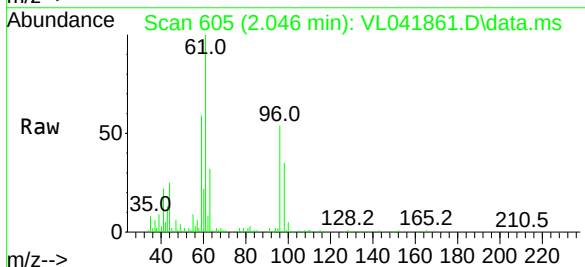
Tgt Ion: 96 Resp: 9481

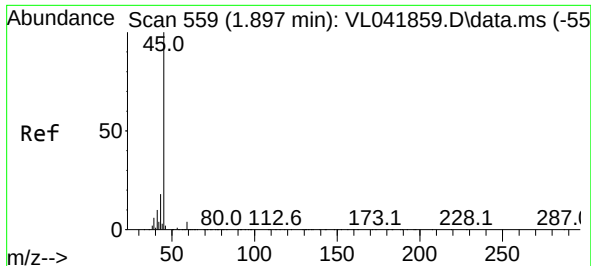
Ion Ratio Lower Upper

96 100

61 181.8 179.2 268.8

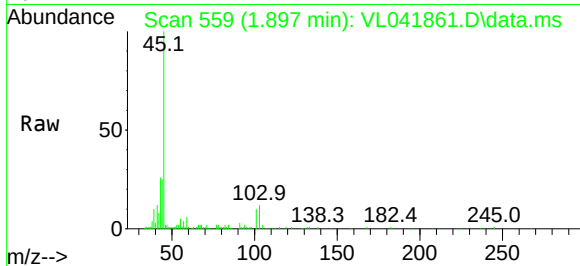
98 63.8 51.6 77.4





#19
Isopropyl Alcohol
Concen: 1.127 ppbv
RT: 1.897 min Scan# 559
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

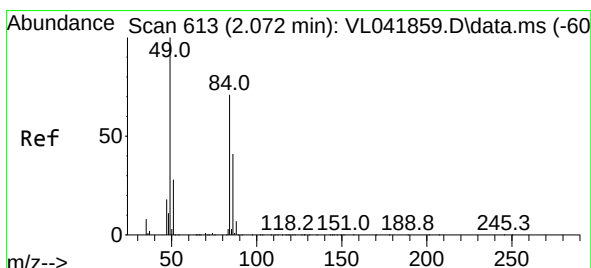
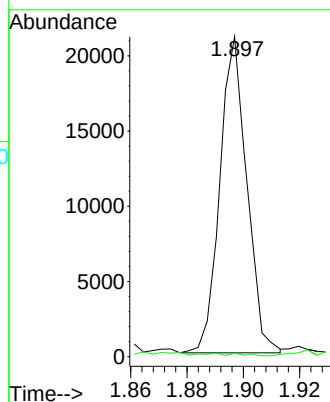
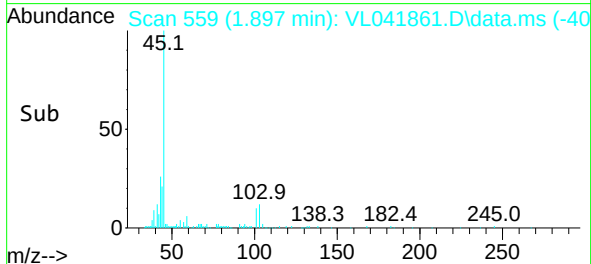
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 45 Resp: 13968
Ion Ratio Lower Upper
45 100
58 3.4 2.0 3.0

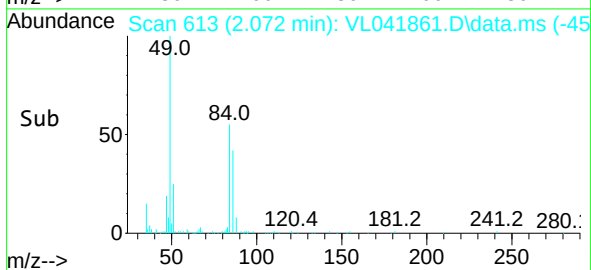
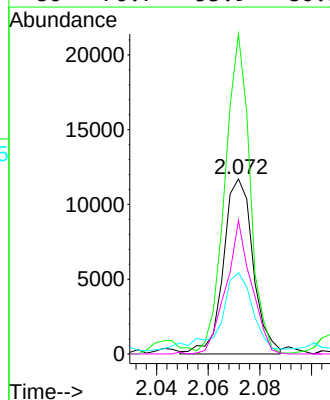
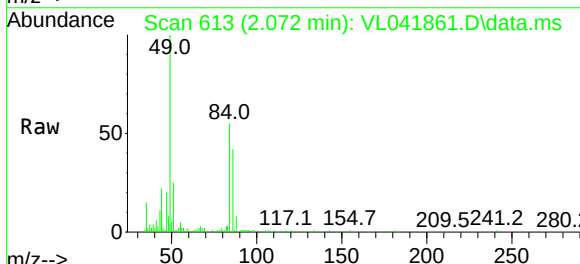
Manual Integrations
APPROVED

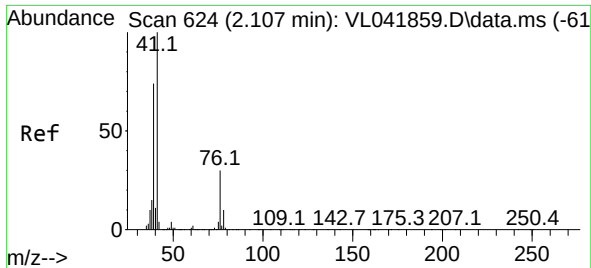
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#20
Methylene Chloride
Concen: 1.235 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

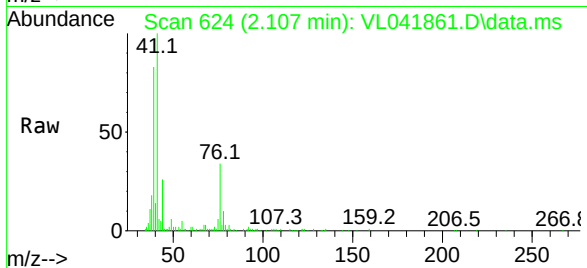
Tgt Ion: 84 Resp: 9326
Ion Ratio Lower Upper
84 100
49 184.6 137.8 206.8
51 44.2 43.9 65.9
86 76.7 53.9 80.9





#21
 Allyl Chloride
 Concen: 1.184 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

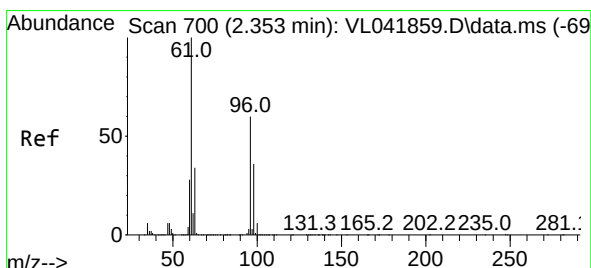
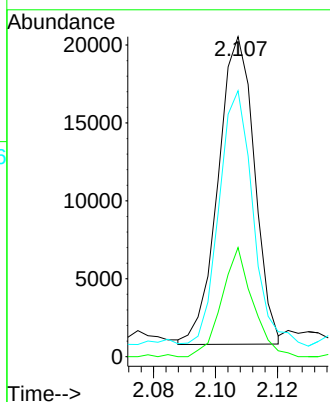
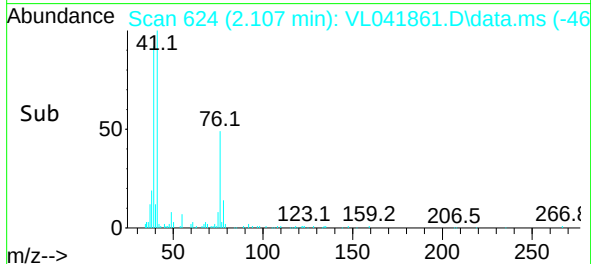
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



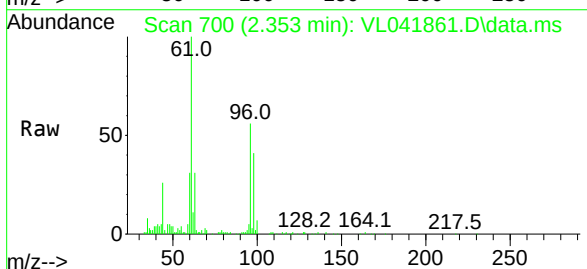
Tgt Ion: 41 Resp: 16109
 Ion Ratio Lower Upper
 41 100
 76 30.3 20.6 31.0
 39 84.2 67.4 101.2

Manual Integrations
 APPROVED

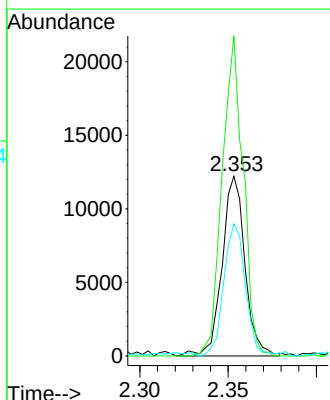
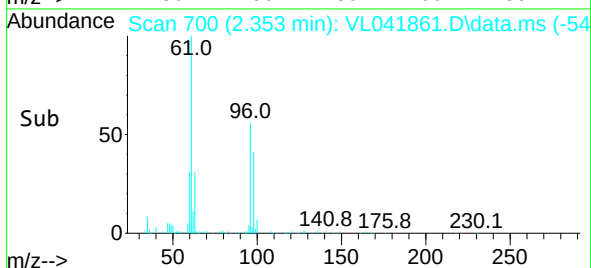
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

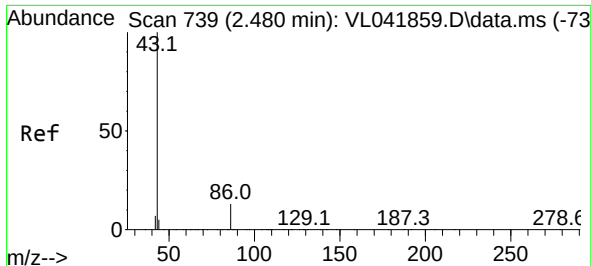


#22
 trans-1,2-Dichloroethene
 Concen: 1.321 ppbv m
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



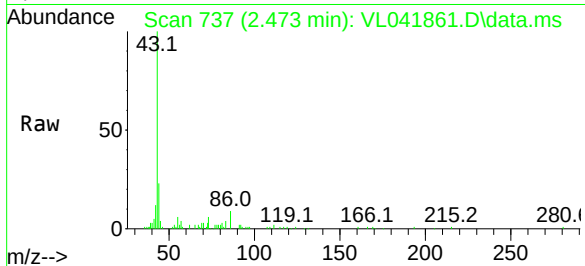
Tgt Ion: 96 Resp: 11020
 Ion Ratio Lower Upper
 96 100
 61 178.1 144.0 216.0
 98 73.4 46.9 70.3#





#23
 Vinyl Acetate
 Concen: 1.377 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

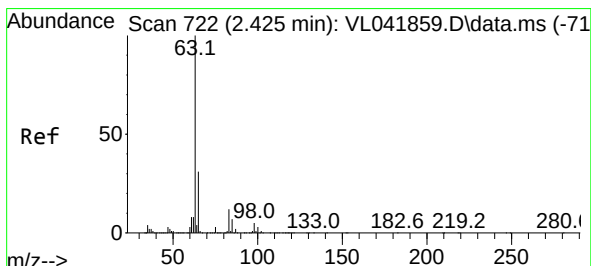
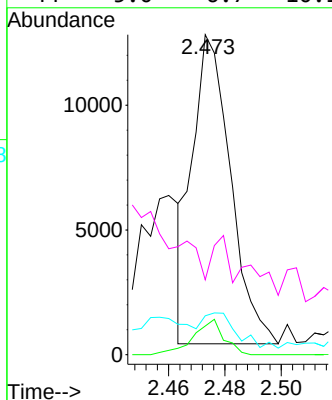
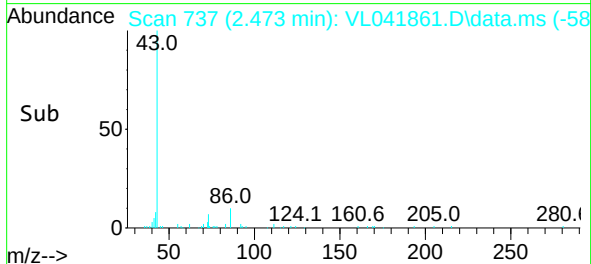
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



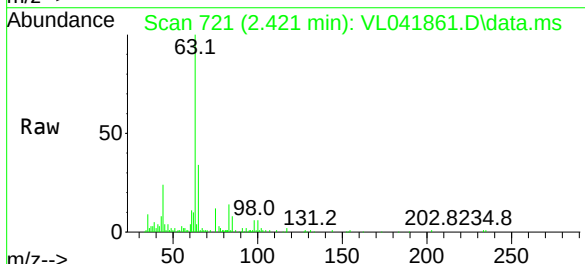
Tgt Ion: 43 Resp: 11660
 Ion Ratio Lower Upper
 43 100
 86 9.3 6.4 9.6
 42 10.4 9.5 14.3
 44 5.0 6.7 10.1#

Manual Integrations
 APPROVED

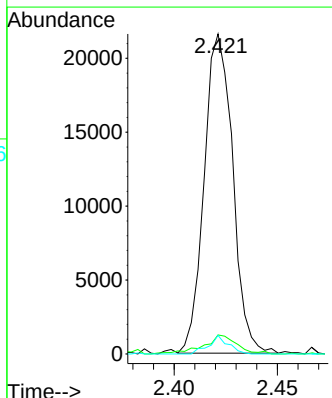
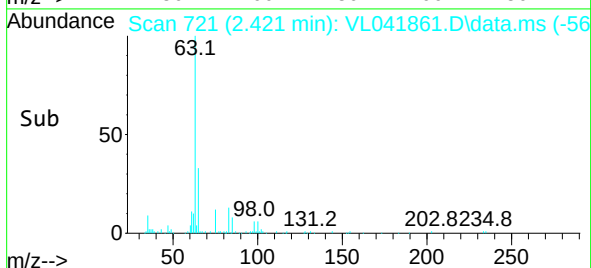
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

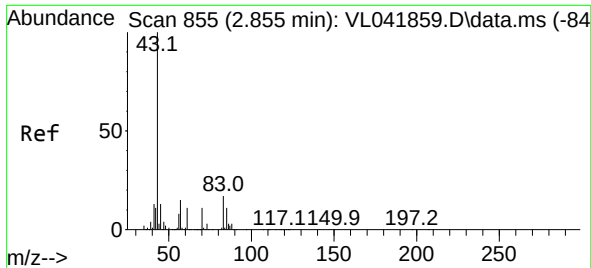


#24
 1,1-Dichloroethane
 Concen: 1.137 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



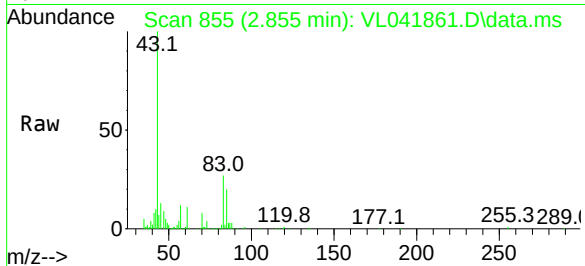
Tgt Ion: 63 Resp: 20750
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.3 6.9
 100 5.8 1.4 4.0#





#25
Ethyl Acetate
Concen: 1.421 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

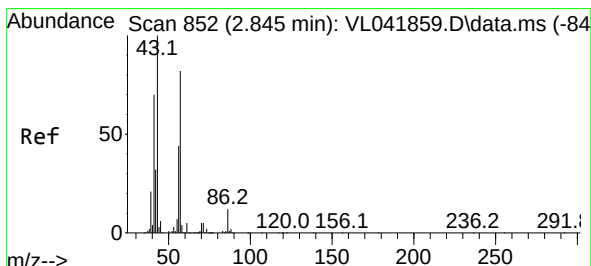
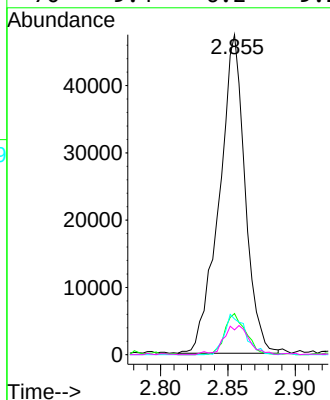
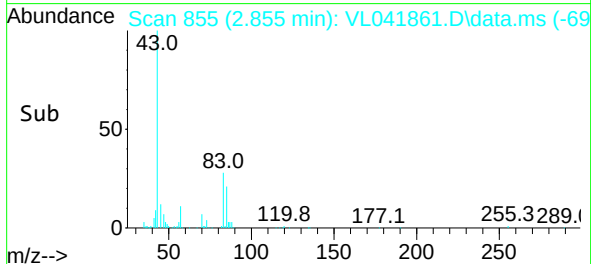
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



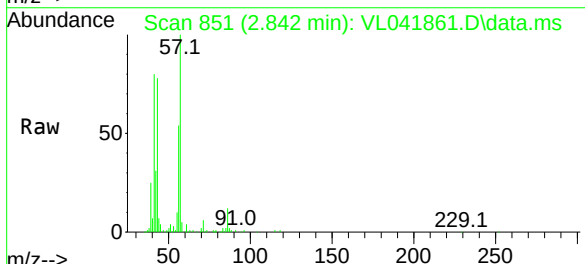
Tgt Ion: 43 Resp: 6292
Ion Ratio Lower Upper
43 100
45 10.9 7.8 11.8
61 10.4 7.0 10.6
70 9.4 6.2 9.2#

Manual Integrations
APPROVED

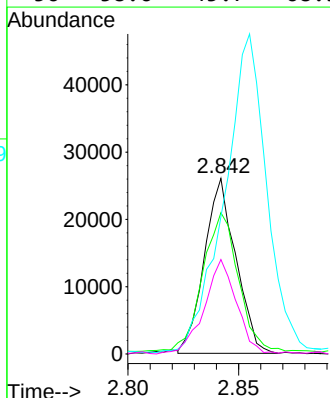
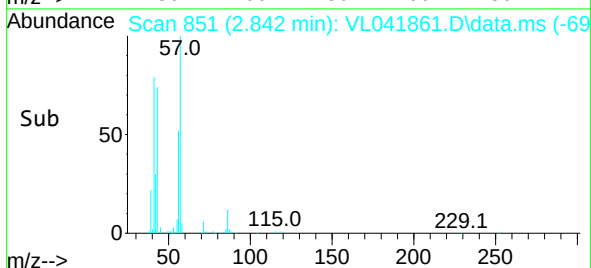
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

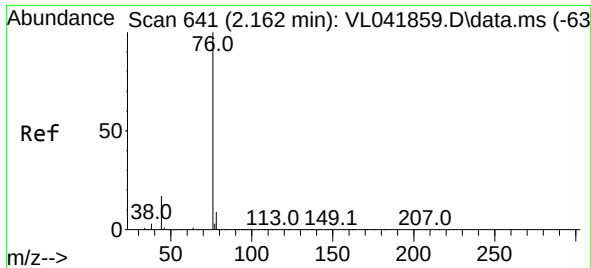


#26
Hexane
Concen: 1.678 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



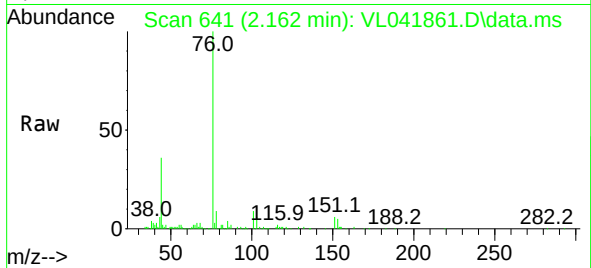
Tgt Ion: 57 Resp: 25792
Ion Ratio Lower Upper
57 100
41 93.5 84.1 126.1
43 249.3 218.4 327.6
56 58.6 45.7 68.5





#27
Carbon Disulfide
Concen: 1.654 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

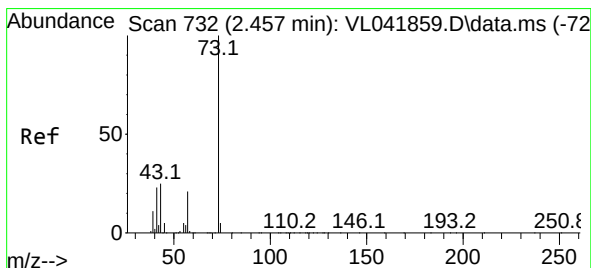
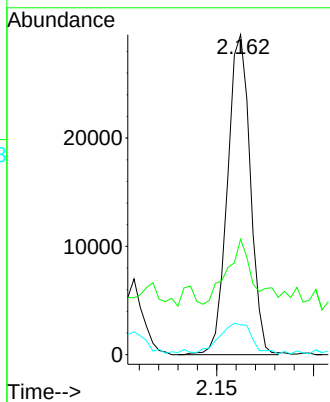
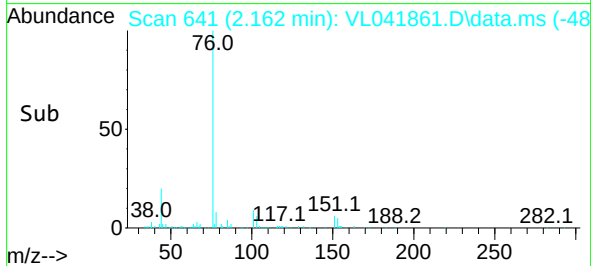
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



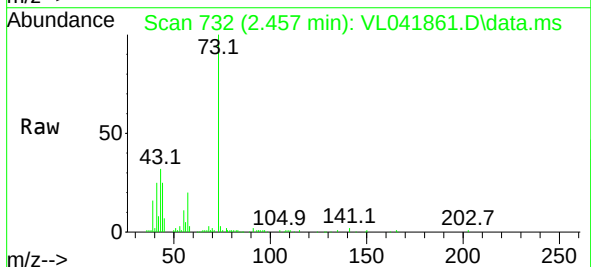
Tgt Ion: 76 Resp: 2413
Ion Ratio Lower Upper
76 100
44 57.9 19.8 29.8
78 15.2 9.8 14.8

Manual Integrations
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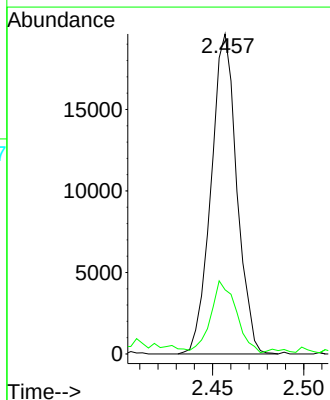
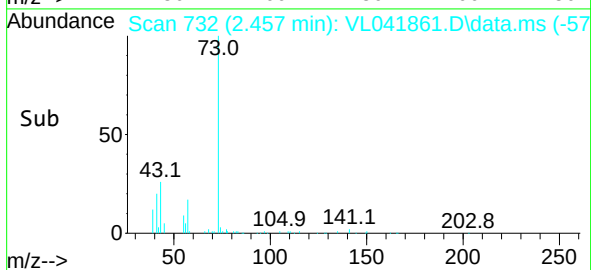
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

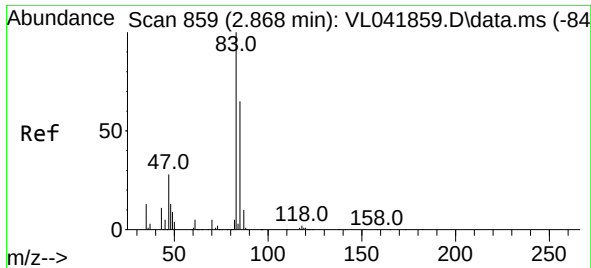


#28
Methyl tert-Butyl Ether
Concen: 1.669 ppbv
RT: 2.457 min Scan# 732
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



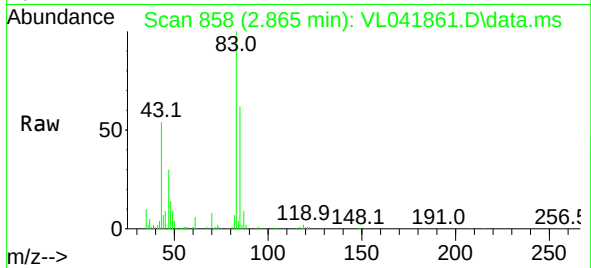
Tgt Ion: 73 Resp: 19330
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6





#29
Chloroform
Concen: 1.276 ppbv
RT: 2.865 min Scan# 859
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

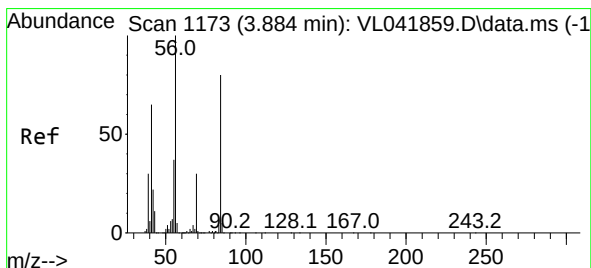
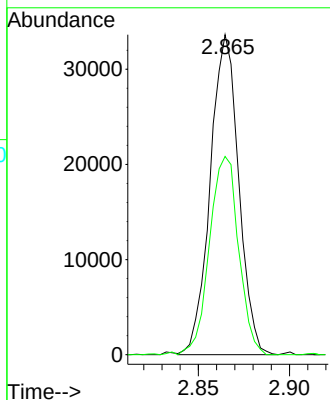
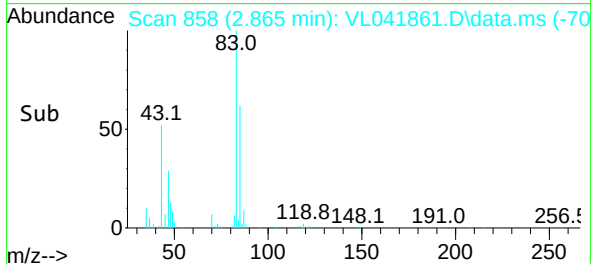
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



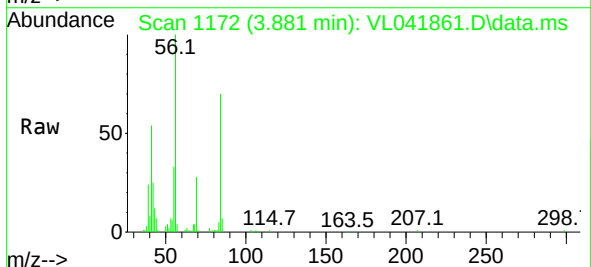
Tgt Ion: 83 Resp: 3644
Ion Ratio Lower Upper
83 100
85 62.0 49.6 74.4

Manual Integrations
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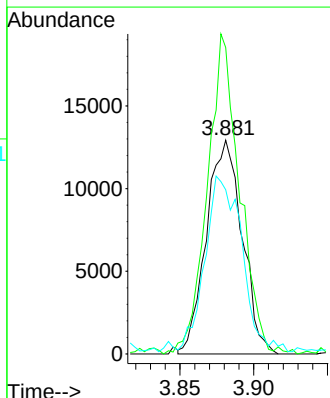
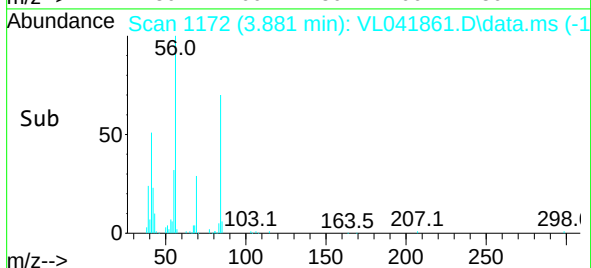
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

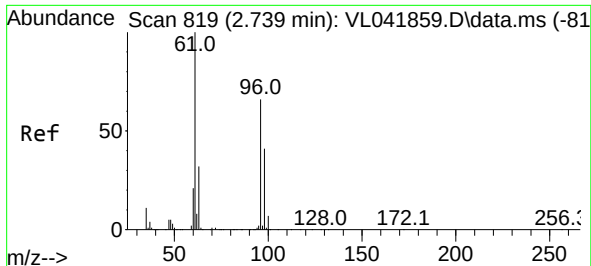


#30
Cyclohexane
Concen: 1.869 ppbv
RT: 3.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



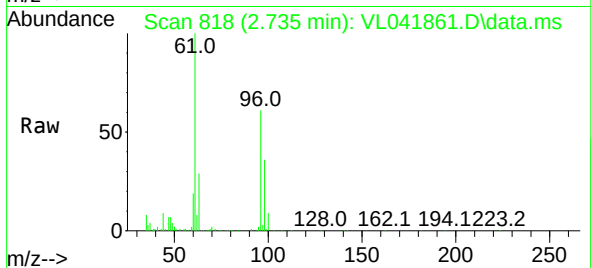
Tgt Ion: 84 Resp: 21797
Ion Ratio Lower Upper
84 100
56 137.2 105.0 157.6
41 86.1 78.9 118.3





#31
 cis-1,2-Dichloroethene
 Concen: 1.626 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

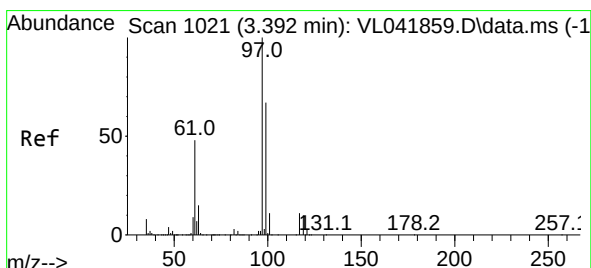
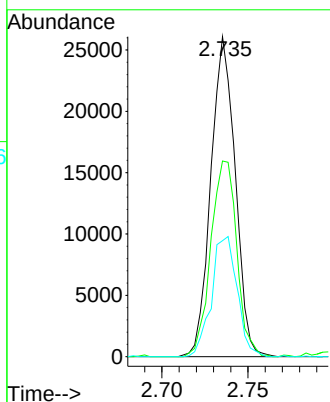
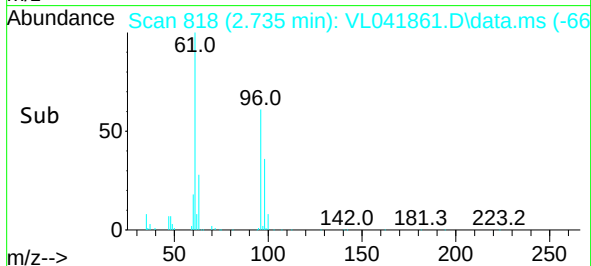
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



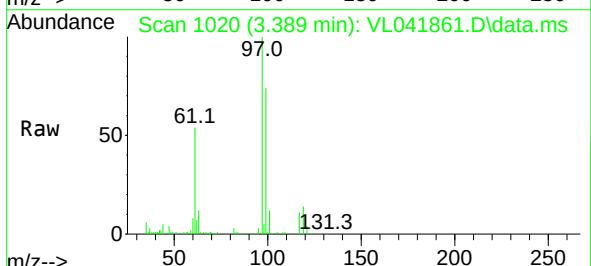
Tgt Ion: 61 Resp: 2572
 Ion Ratio Lower Upper
 61 100
 96 61.2 47.6 71.4
 98 36.3 30.2 45.2

Manual Integrations
 APPROVED

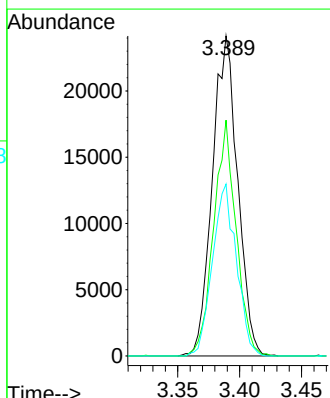
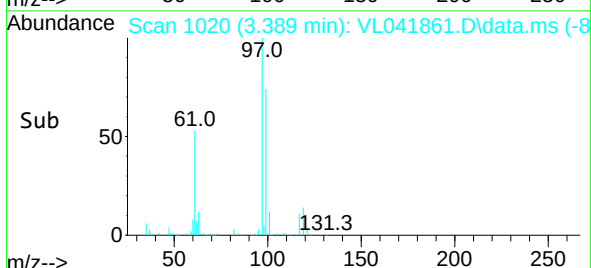
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

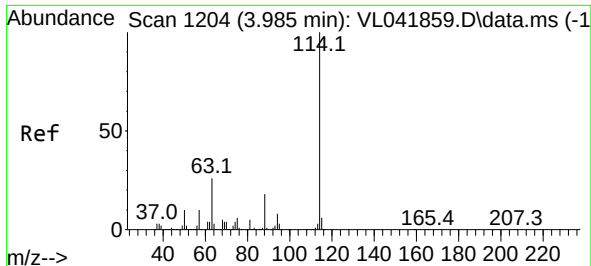


#32
 1,1,1-Trichloroethane
 Concen: 1.327 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.006 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



Tgt Ion: 97 Resp: 34347
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.6 76.0
 61 50.9 45.0 67.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

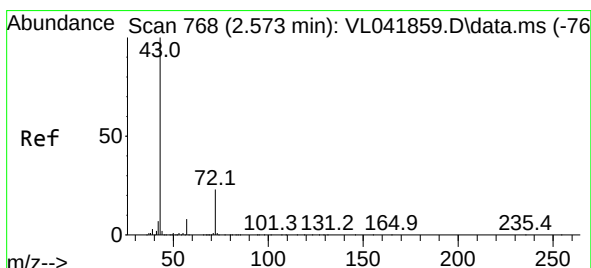
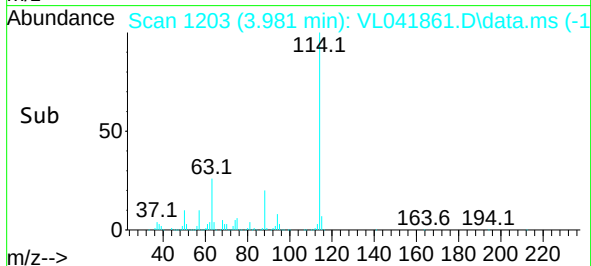
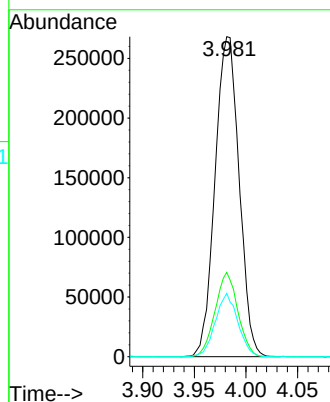
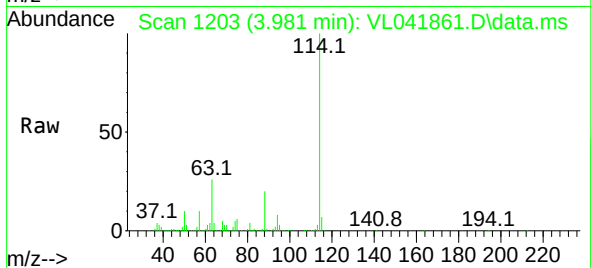
Tgt Ion:114 Resp: 434494

Ion	Ratio	Lower	Upper
114	100		
63	25.0	22.3	33.5
88	18.5	14.9	22.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 1.093 ppbv

RT: 2.573 min Scan# 768

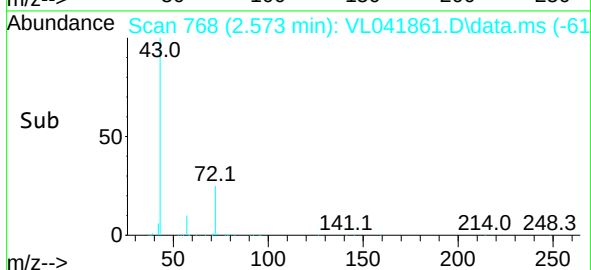
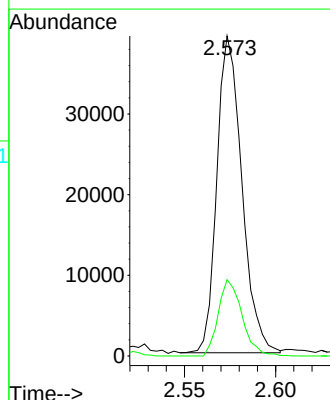
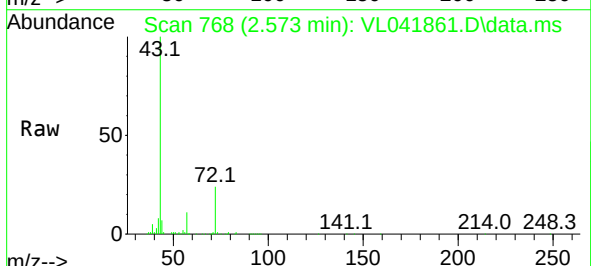
Delta R.T. 0.006 min

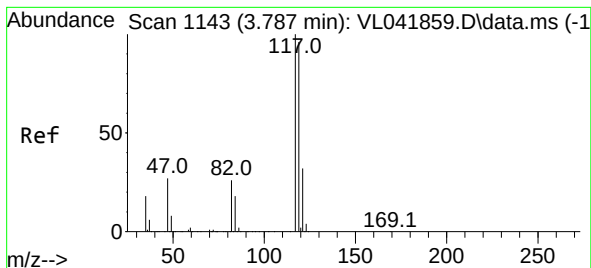
Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion: 43 Resp: 37395

Ion	Ratio	Lower	Upper
43	100		
72	22.9	16.6	25.0





#35

Carbon Tetrachloride

Concen: 1.008 ppbv

RT: 3.784 min Scan# 1143

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

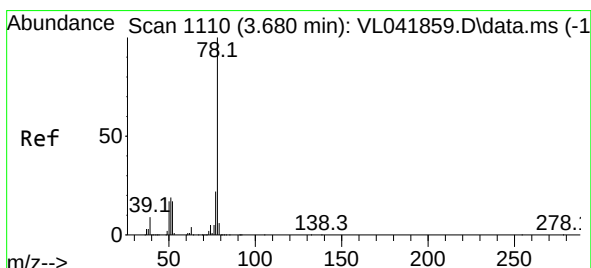
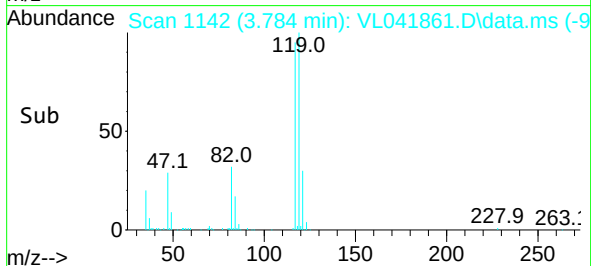
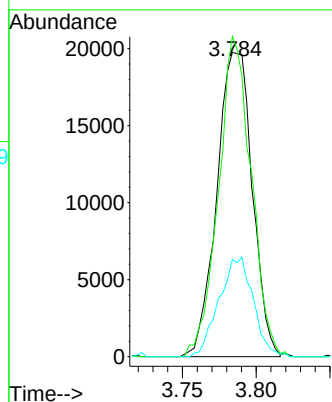
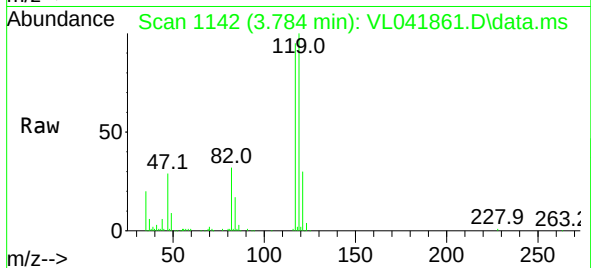
VSTDICC001

Tgt Ion:	117	Resp:	3308
Ion	Ratio	Lower	Upper
117	100		
119	105.1	79.1	118.7
121	32.0	24.2	36.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#36

Benzene

Concen: 1.268 ppbv

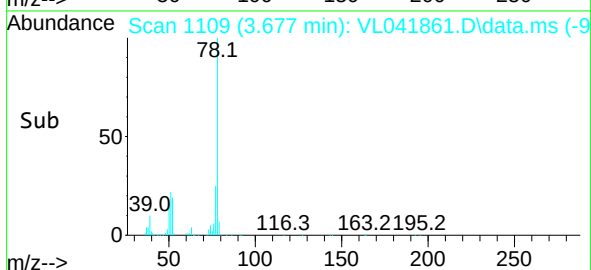
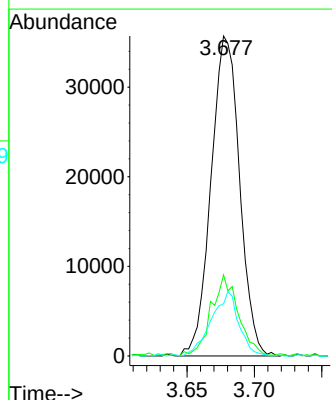
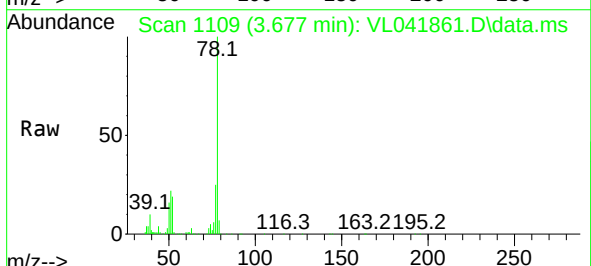
RT: 3.677 min Scan# 1109

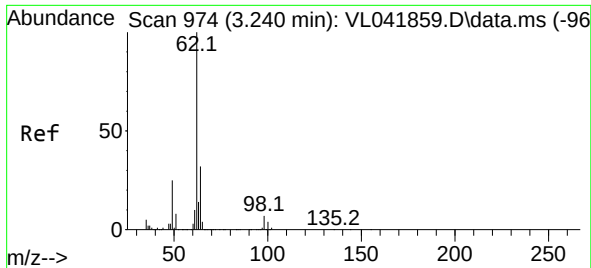
Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion:	78	Resp:	52621
Ion	Ratio	Lower	Upper
78	100		
77	25.2	17.4	26.0
50	16.3	17.3	25.9





#37

1,2-Dichloroethane

Concen: 0.966 ppbv

RT: 3.237 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 2634

Ion Ratio Lower Upper

62 100

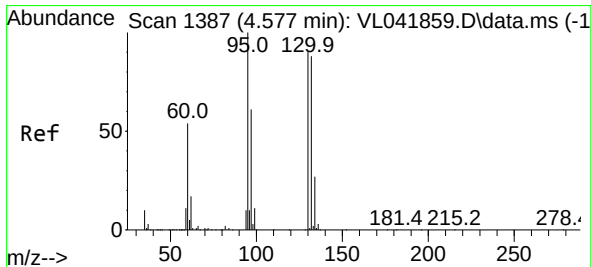
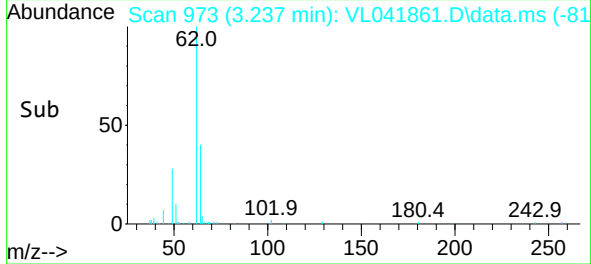
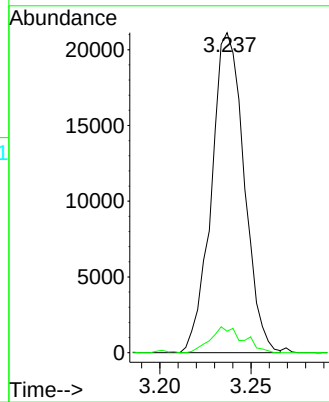
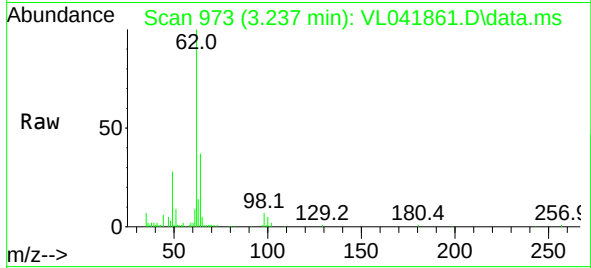
98 8.5 4.8 7.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#38

Trichloroethene

Concen: 1.259 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion:130 Resp: 20492

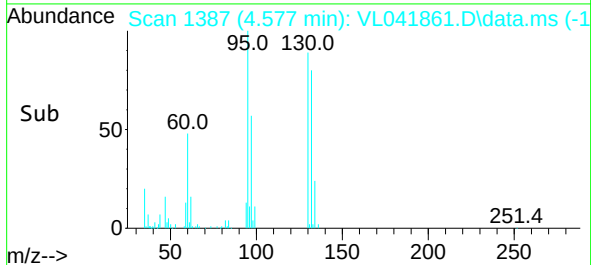
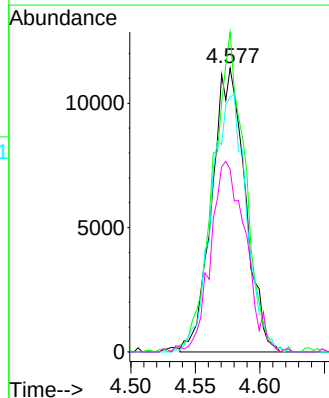
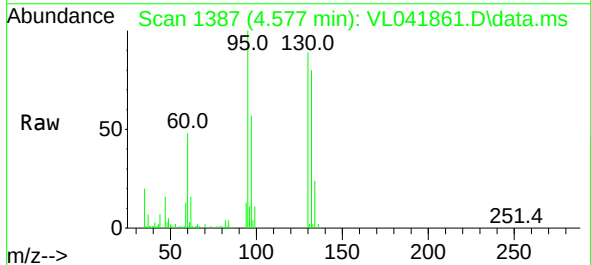
Ion Ratio Lower Upper

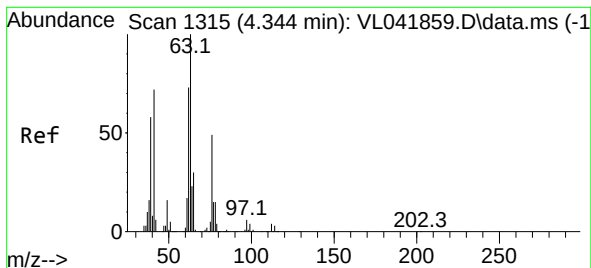
130 100

95 111.3 90.1 135.1

132 89.1 71.8 107.8

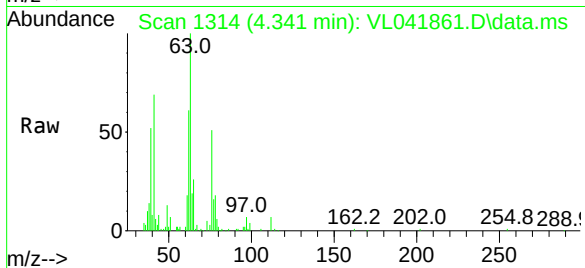
97 64.4 57.9 86.9





#39
1,2-Dichloropropane
Concen: 1.142 ppbv
RT: 4.341 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

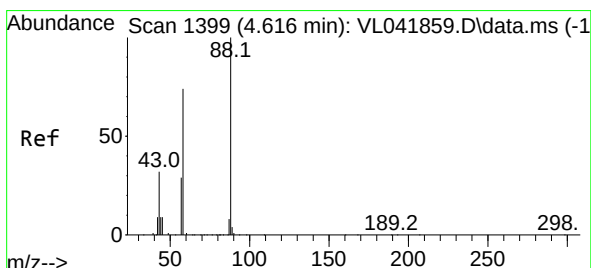
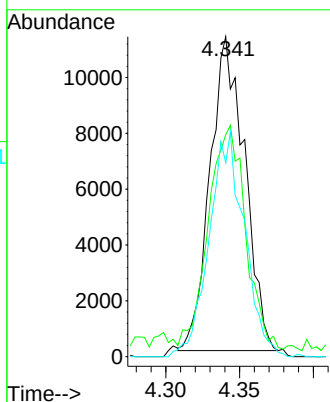
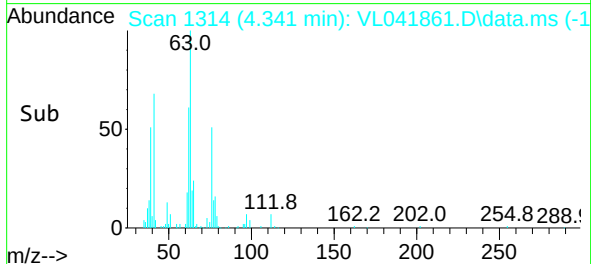
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



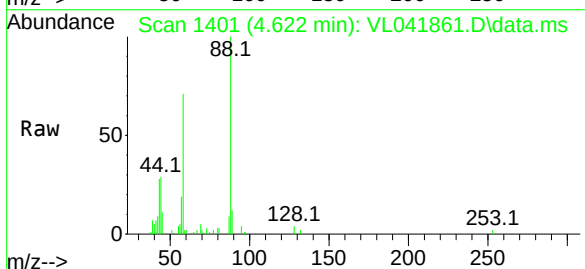
Tgt Ion: 63 Resp: 1834
Ion Ratio Lower Upper
63 100
41 67.7 77.7 116.5
62 60.4 56.2 84.2

Manual Integrations
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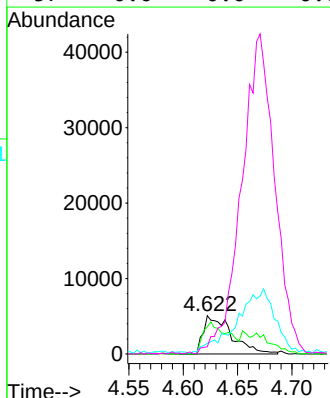
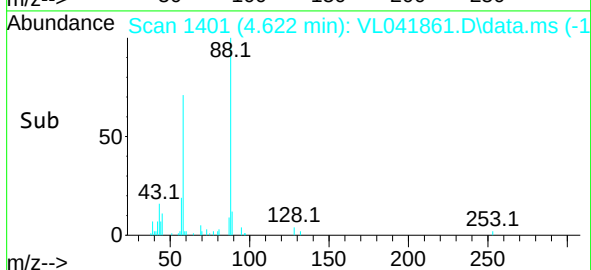
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

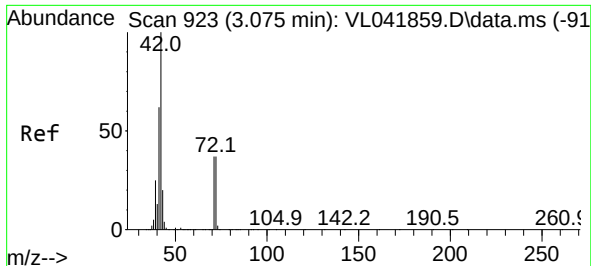


#40
1,4-Dioxane
Concen: 1.478 ppbv m
RT: 4.622 min Scan# 1401
Delta R.T. 0.016 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



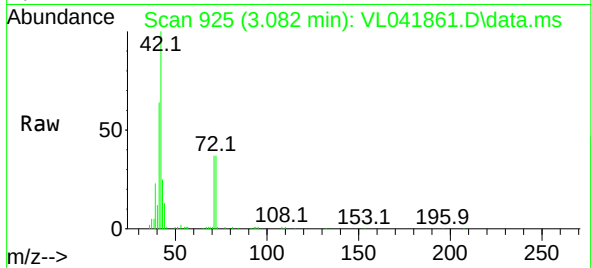
Tgt Ion: 88 Resp: 9193
Ion Ratio Lower Upper
88 100
58 68.7 65.1 97.7
43 0.0 32.1 48.1#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 1.351 ppbv
RT: 3.082 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

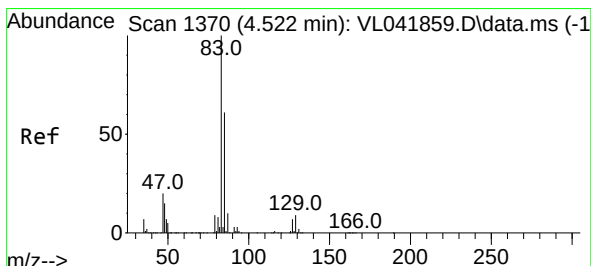
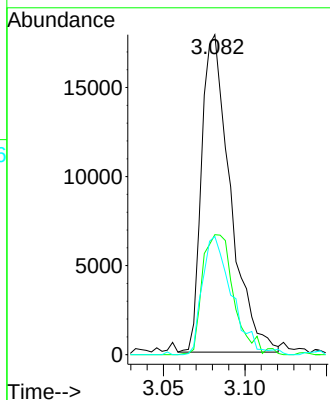
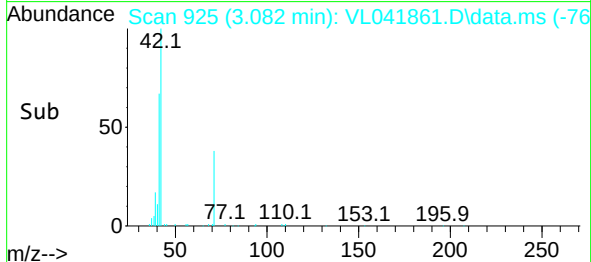
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 42 Resp: 2180
Ion Ratio Lower Upper
42 100
72 41.7 27.9 41.9
71 38.7 26.5 39.7

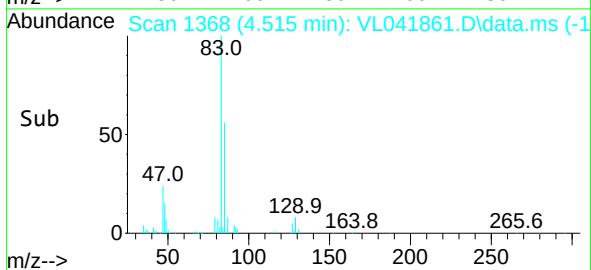
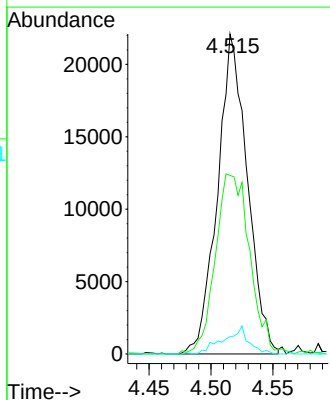
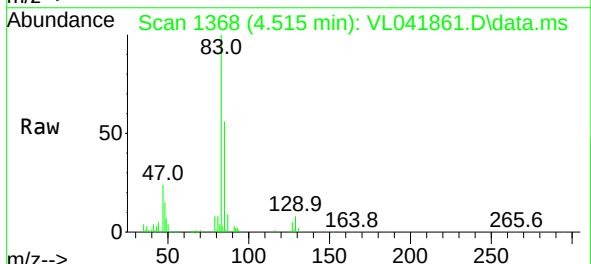
Manual Integrations
APPROVED

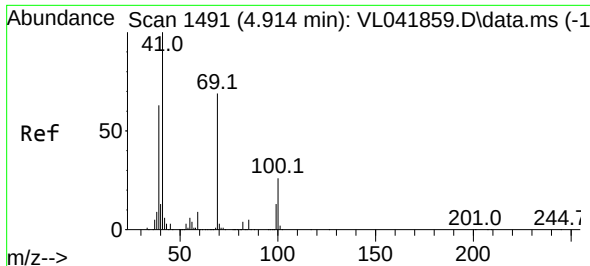
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#42
Bromodichloromethane
Concen: 1.159 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

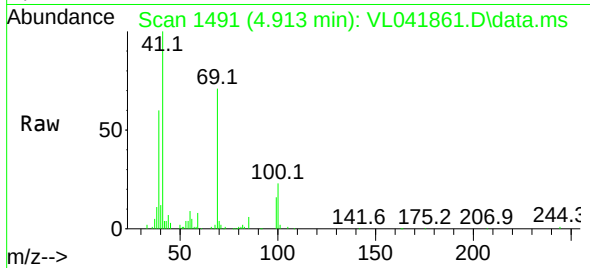
Tgt Ion: 83 Resp: 37075
Ion Ratio Lower Upper
83 100
85 55.8 51.3 76.9
127 5.4 5.6 8.4





#43
Methyl Methacrylate
Concen: 1.610 ppbv
RT: 4.913 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

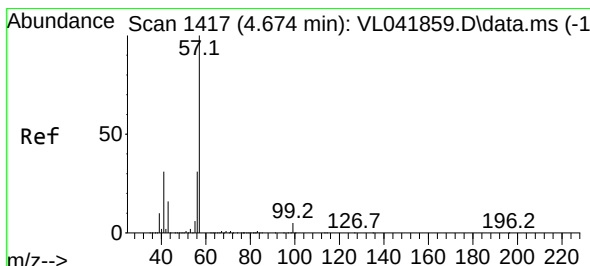
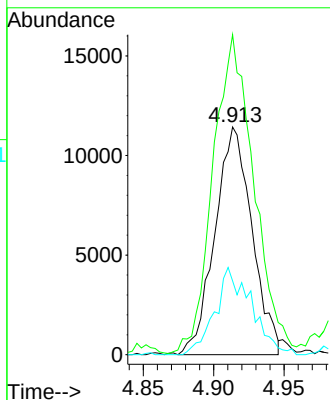
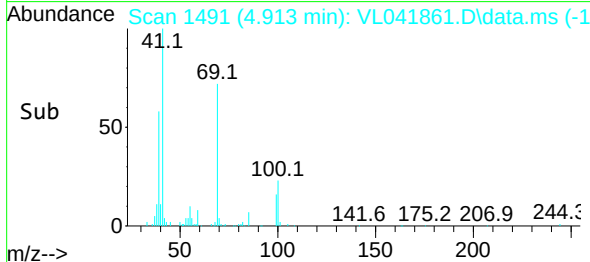
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



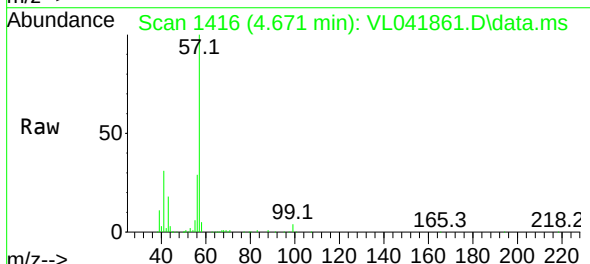
Tgt Ion: 69 Resp: 20990
Ion Ratio Lower Upper
69 100
41 154.4 132.3 198.5
100 37.7 28.2 42.4

Manual Integrations
APPROVED

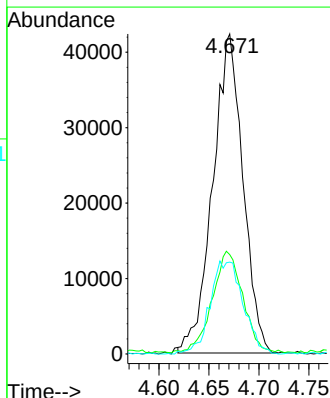
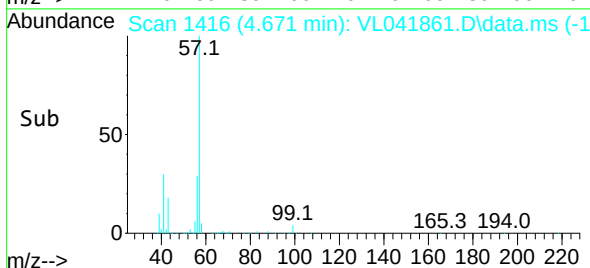
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

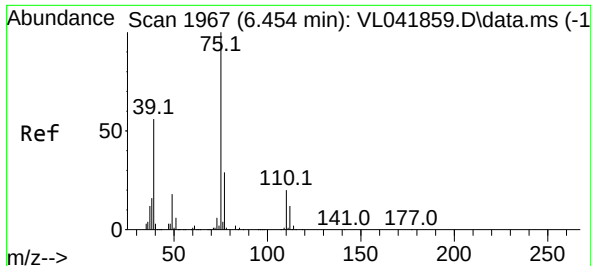


#44
2,2,4-Trimethylpentane
Concen: 1.302 ppbv
RT: 4.671 min Scan# 1416
Delta R.T. 0.010 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



Tgt Ion: 57 Resp: 89035
Ion Ratio Lower Upper
57 100
41 31.9 31.4 47.2
56 31.9 26.6 39.8





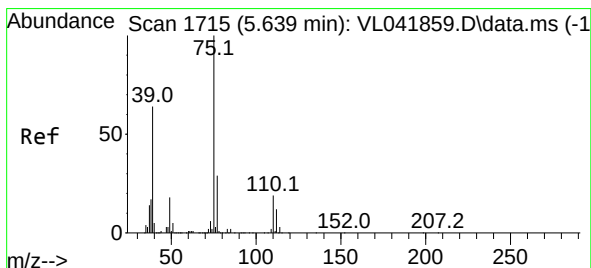
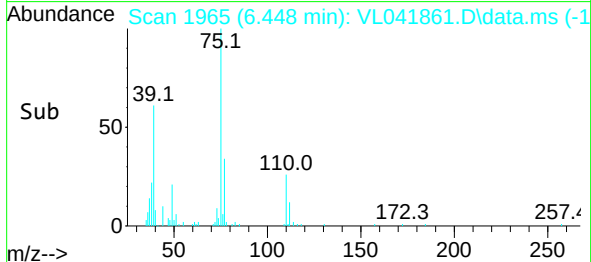
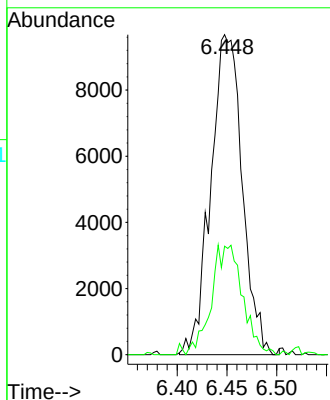
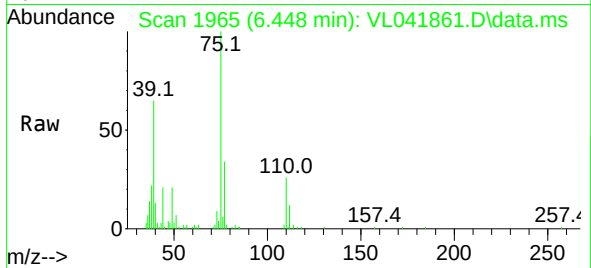
#45
 t-1,3-Dichloropropene
 Concen: 1.675 ppbv m
 RT: 6.448 min Scan# 1965
 Delta R.T. 0.010 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 75 Resp: 21319
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.2 33.4

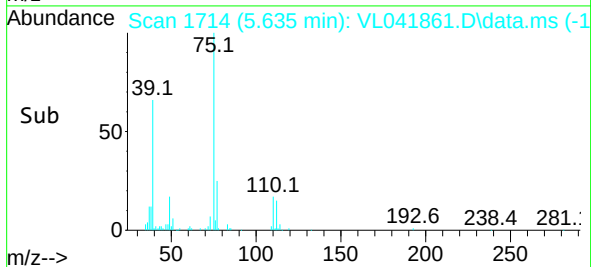
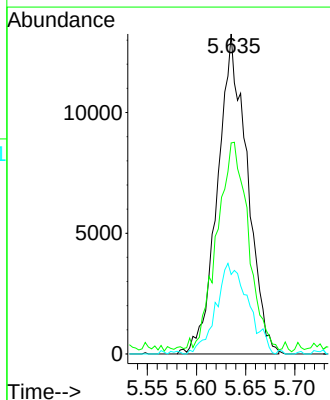
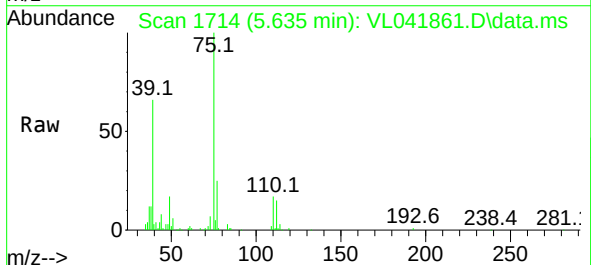
Manual Integrations
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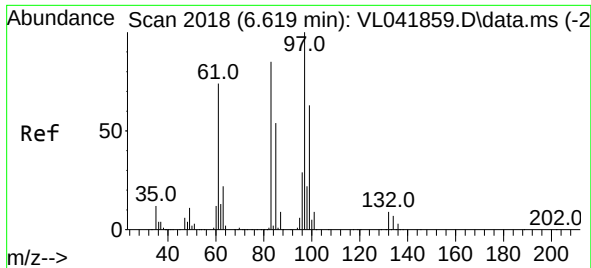
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#46
 cis-1,3-Dichloropropene
 Concen: 1.660 ppbv m
 RT: 5.635 min Scan# 1714
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Tgt Ion: 75 Resp: 27792
 Ion Ratio Lower Upper
 75 100
 39 66.0 63.3 94.9
 77 24.8 23.5 35.3





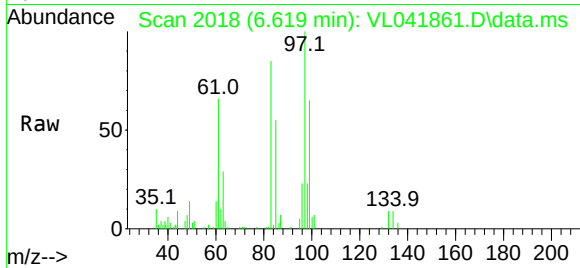
#47
1,1,2-Trichloroethane
Concen: 1.155 ppbv
RT: 6.619 min Scan# 2018
Delta R.T. 0.013 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

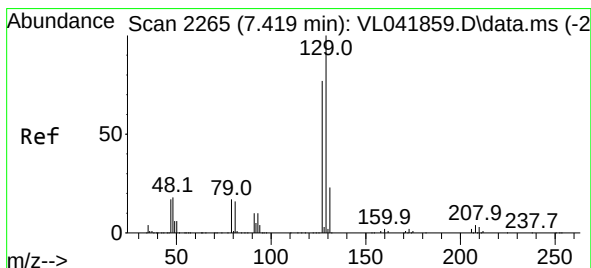
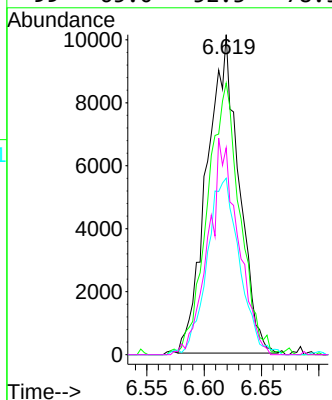
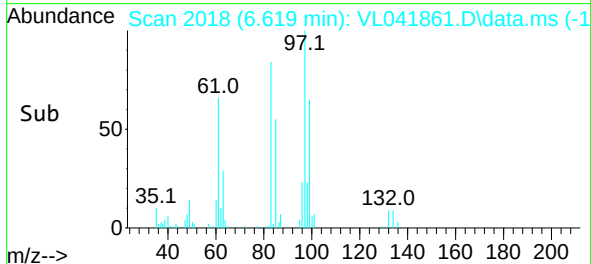


Tgt Ion: 97 Resp: 1962
Ion Ratio Lower Upper
97 100
83 84.4 70.3 105.5
85 54.0 41.5 62.3
99 65.0 52.3 78.5

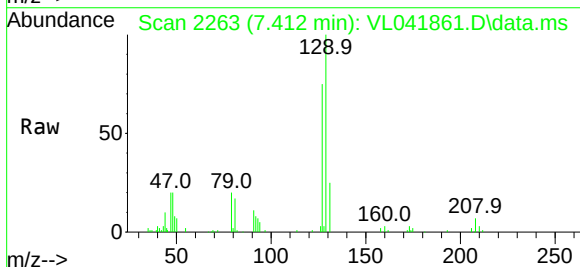
Manual Integrations

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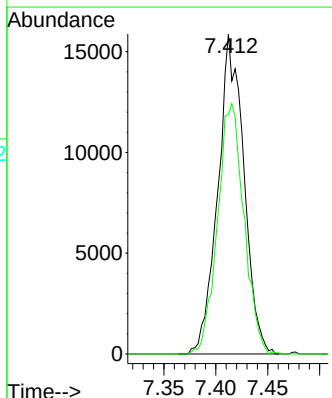
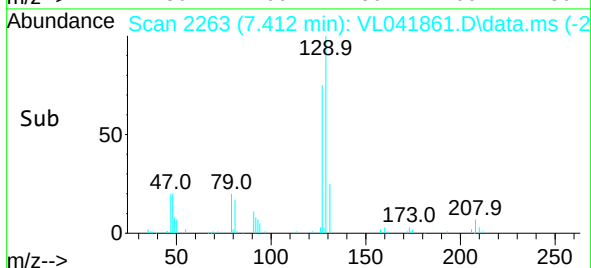
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

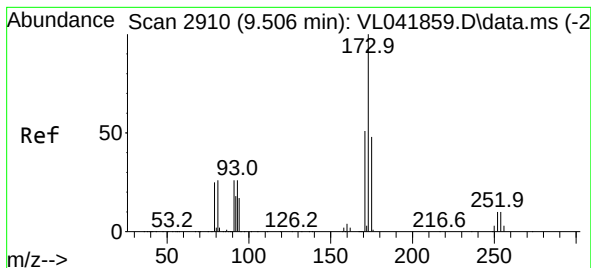


#48
Dibromochloromethane
Concen: 1.275 ppbv m
RT: 7.412 min Scan# 2263
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



Tgt Ion:129 Resp: 27553
Ion Ratio Lower Upper
129 100
127 79.5 38.7 116.1





#49

Bromoform

Concen: 1.418 ppbv

RT: 9.503 min Scan# 2910

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:173 Resp: 24569

Ion Ratio Lower Upper

173 100

175 48.2 39.5 59.3

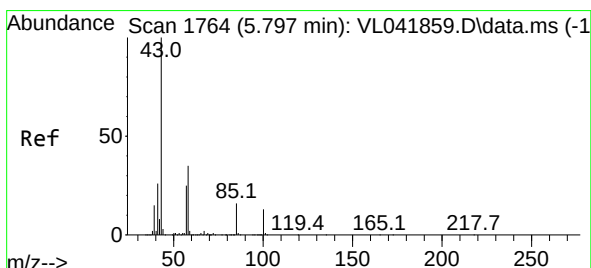
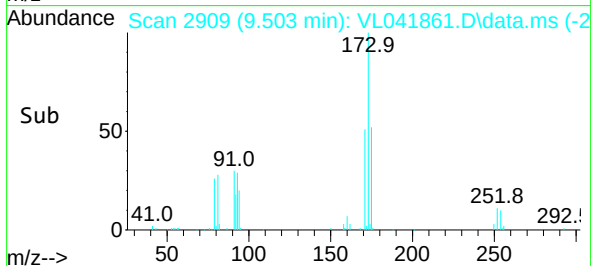
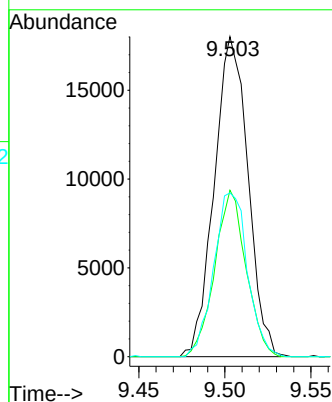
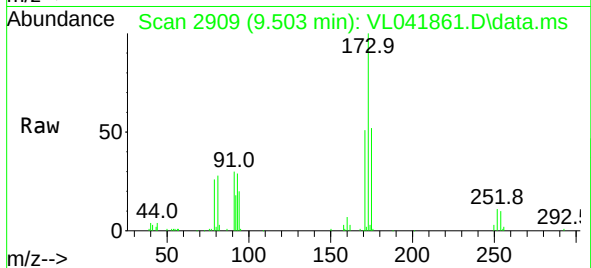
171 51.2 41.5 62.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#50

4-Methyl-2-Pentanone

Concen: 1.359 ppbv m

RT: 5.800 min Scan# 1765

Delta R.T. 0.016 min

Lab File: VL041861.D

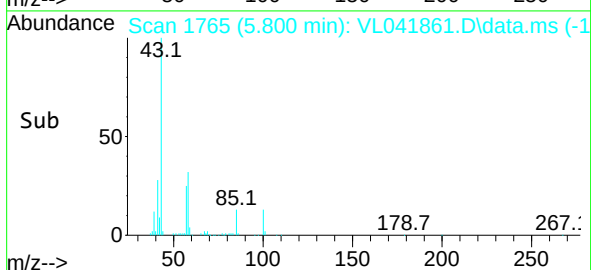
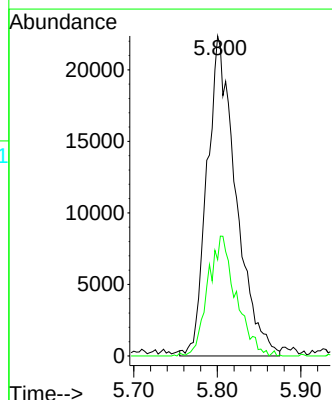
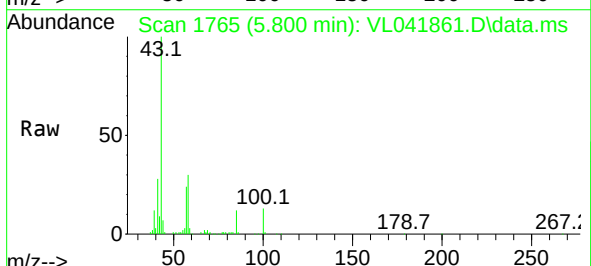
Acq: 09 Jan 2025 12:22

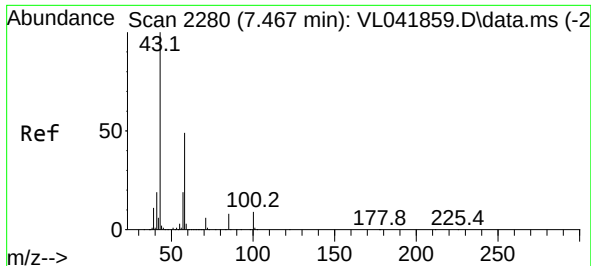
Tgt Ion: 43 Resp: 53757

Ion Ratio Lower Upper

43 100

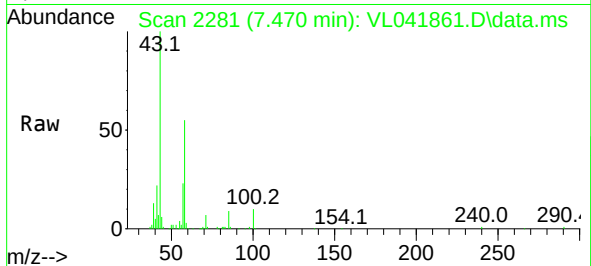
58 36.6 25.7 38.5





#51
2-Hexanone
Concen: 1.440 ppbv m
RT: 7.470 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

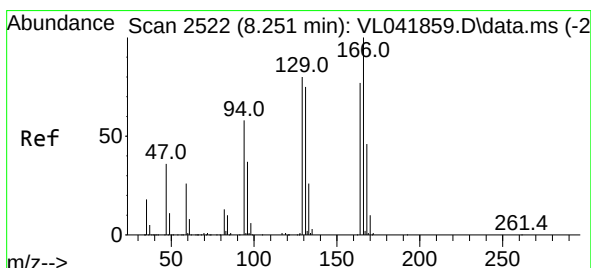
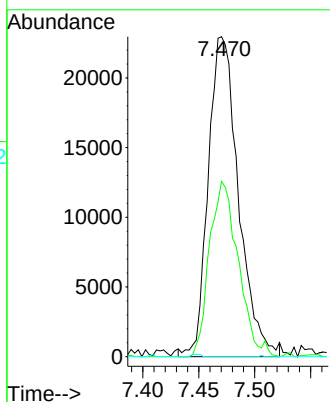
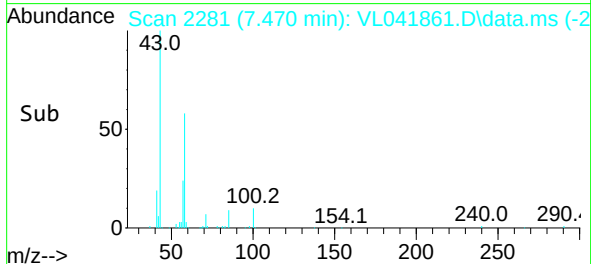
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 43139
Ion Ratio Lower Upper
43 100
58 52.9 33.8 50.8
98 0.2 0.7 1.1

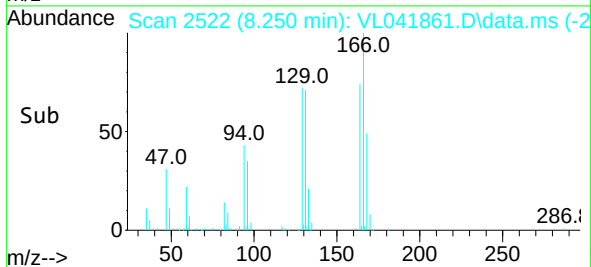
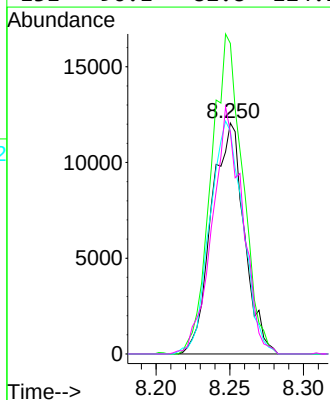
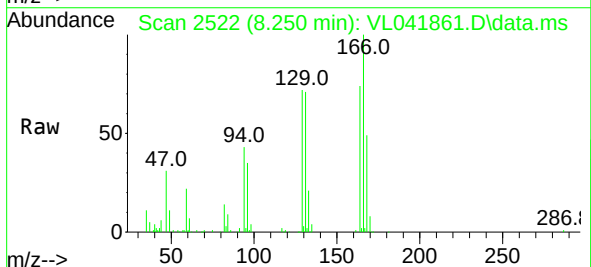
Manual Integrations
APPROVED

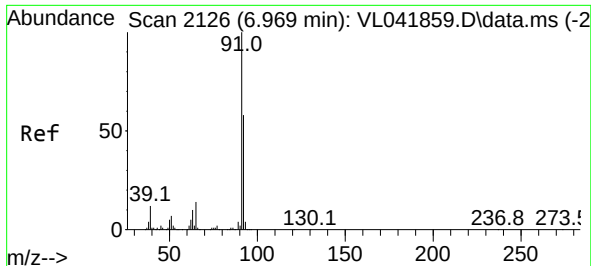
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#52
Tetrachloroethene
Concen: 1.516 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:164 Resp: 18665
Ion Ratio Lower Upper
164 100
166 134.5 100.4 150.6
129 96.5 85.9 128.9
131 96.1 82.8 124.2





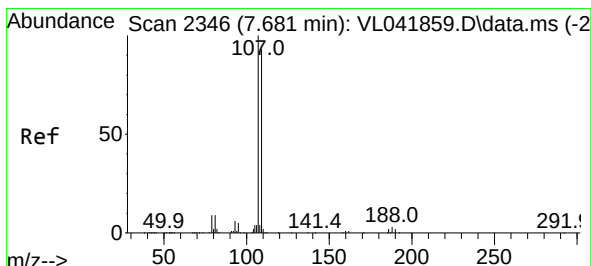
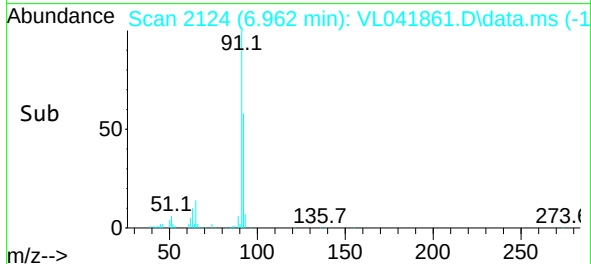
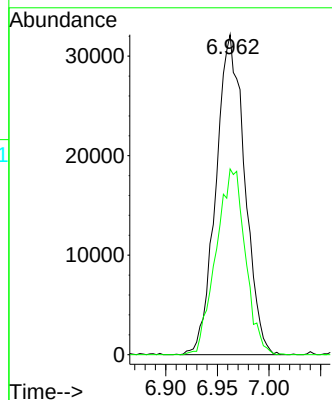
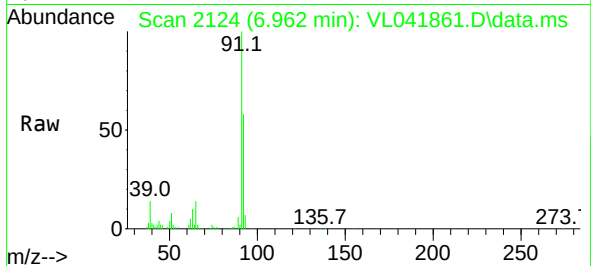
#53
Toluene
Concen: 1.685 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 62304
Ion Ratio Lower Upper
91 100
92 59.1 47.8 71.6

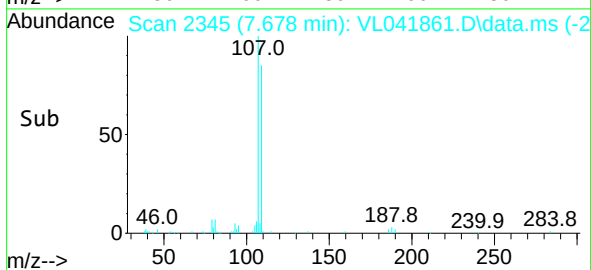
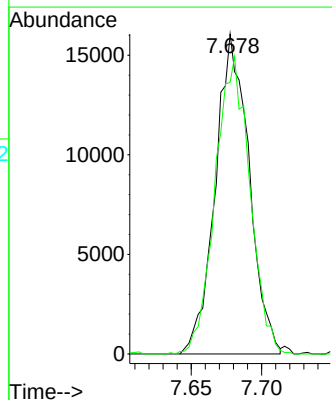
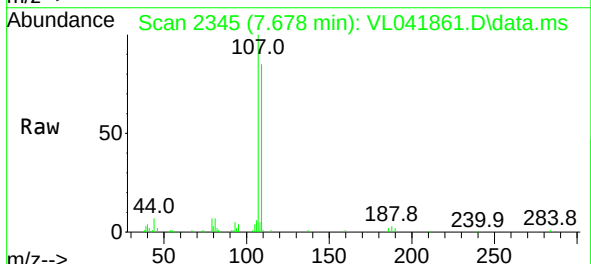
Manual Integrations
APPROVED

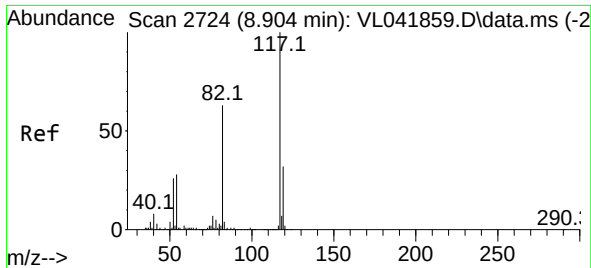
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#54
1,2-Dibromoethane
Concen: 1.287 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:107 Resp: 26769
Ion Ratio Lower Upper
107 100
109 84.1 75.9 113.9





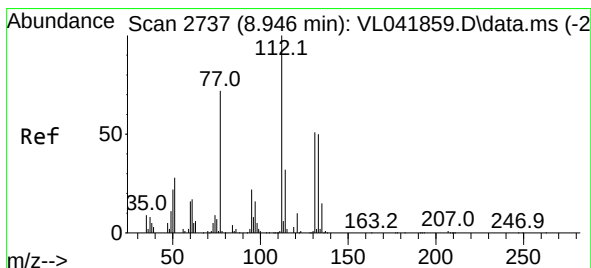
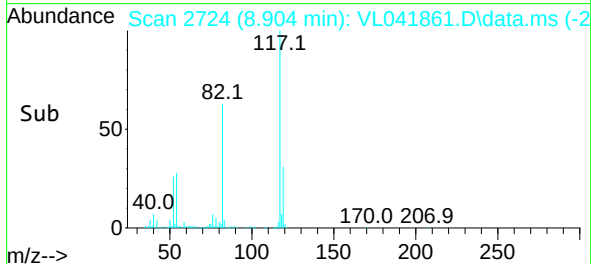
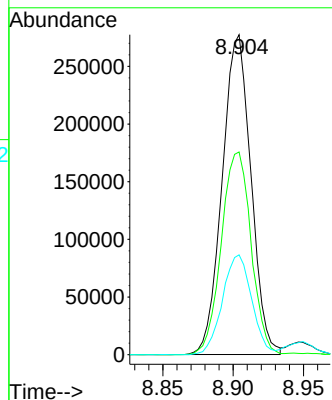
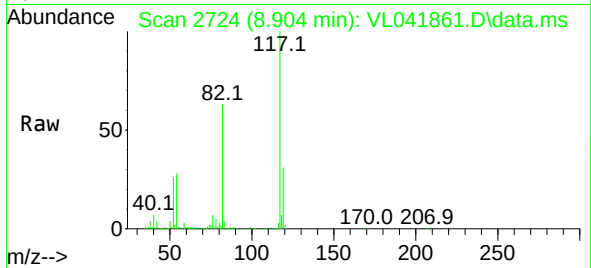
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 39490
Ion Ratio Lower Upper
117 100
82 66.0 59.1 88.7
119 32.3 27.3 40.9

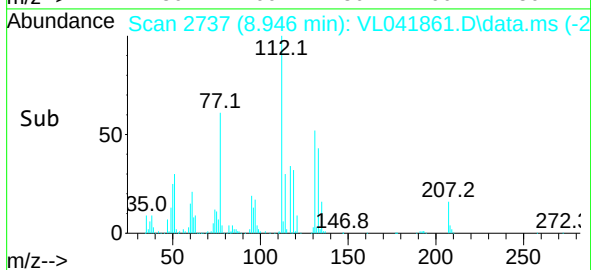
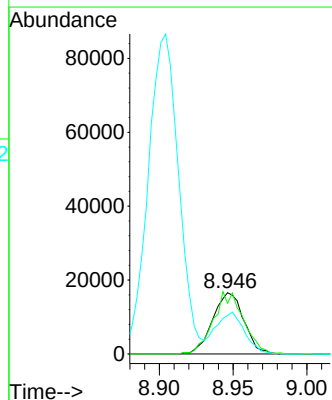
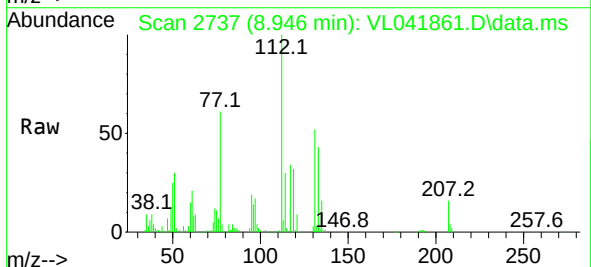
Manual Integrations
APPROVED

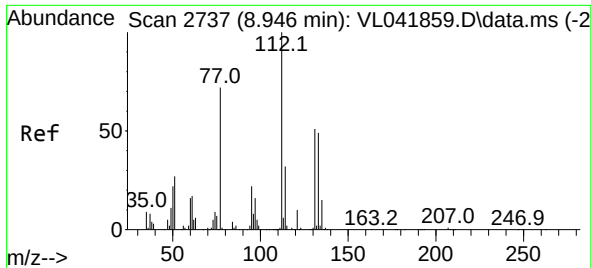
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.079 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:131 Resp: 24293
Ion Ratio Lower Upper
131 100
133 99.0 77.3 115.9
119 48.1 50.6 76.0#





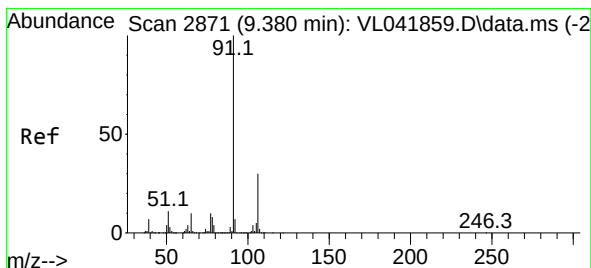
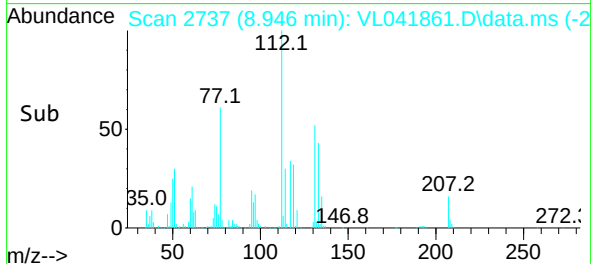
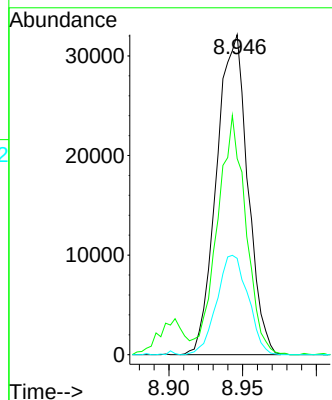
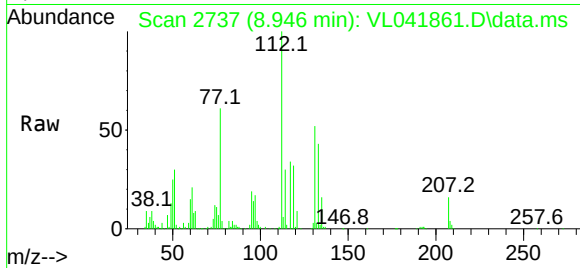
#57
Chlorobenzene
Concen: 1.146 ppbv
RT: 8.946 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 112 Resp: 4728
Ion Ratio Lower Upper
112 100
77 60.9 55.1 82.7
114 30.1 28.3 34.5

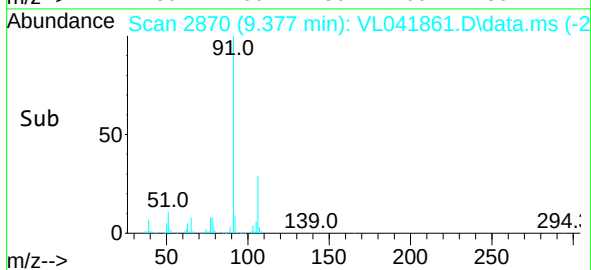
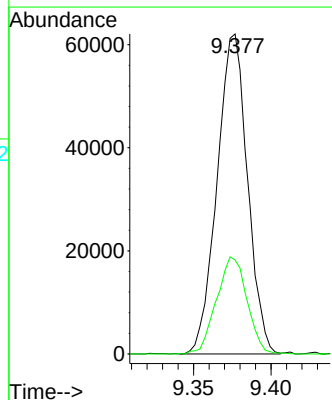
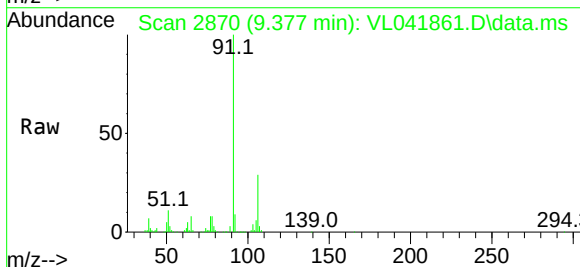
Manual Integrations
APPROVED

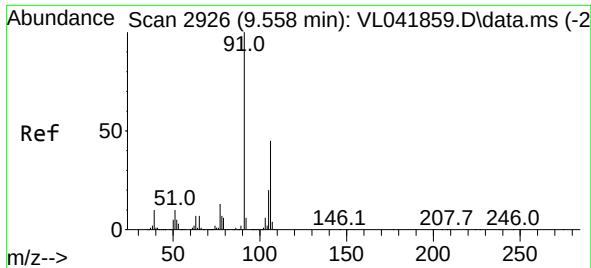
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 1.575 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 84795
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8





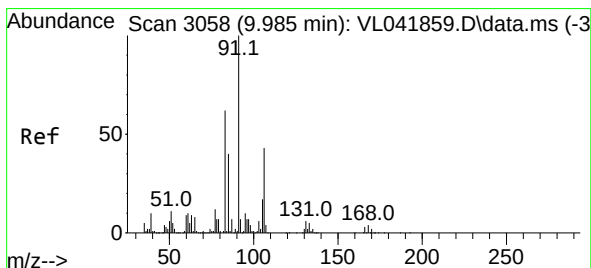
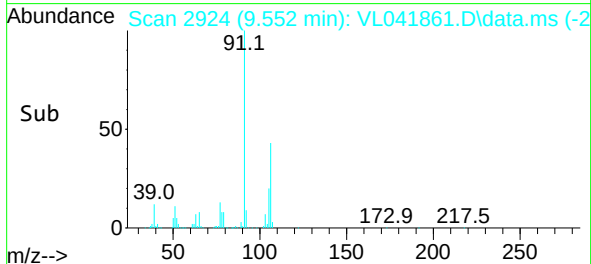
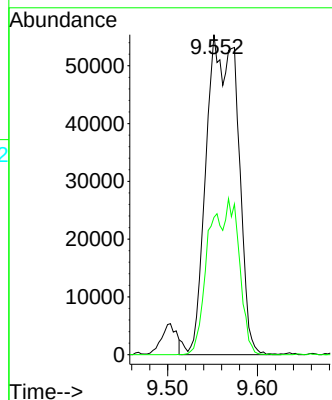
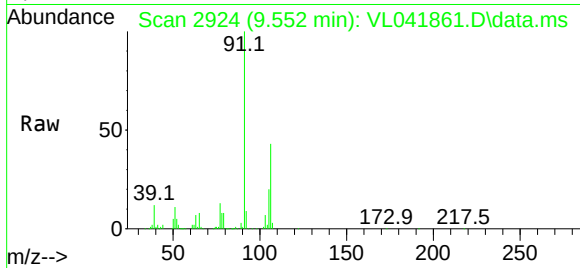
#59
m/p-Xylene
Concen: 2.852 ppbv m
RT: 9.552 min Scan# 2926
Delta R.T. -0.013 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 13548
Ion Ratio Lower Upper
91 100
106 46.8 36.8 55.2

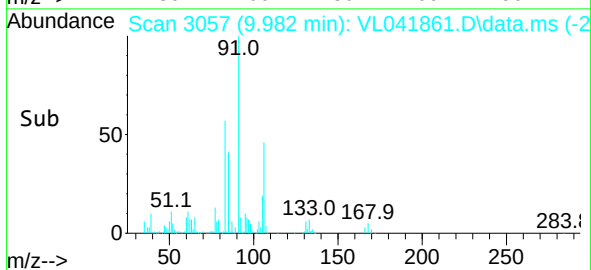
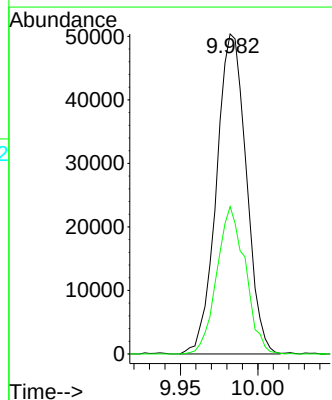
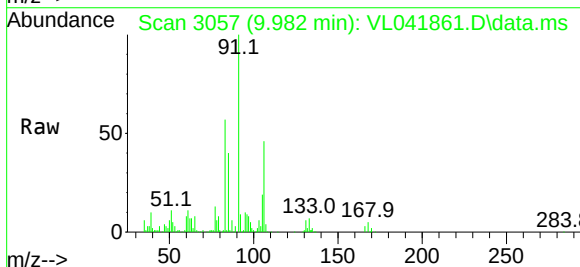
Manual Integrations
APPROVED

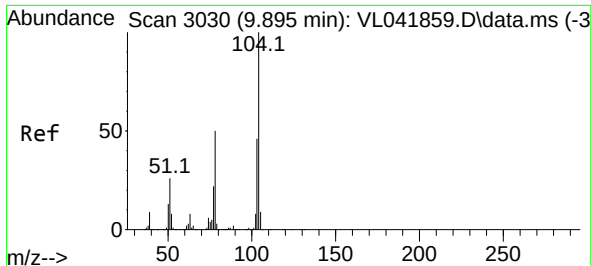
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 1.460 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 67480
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.5





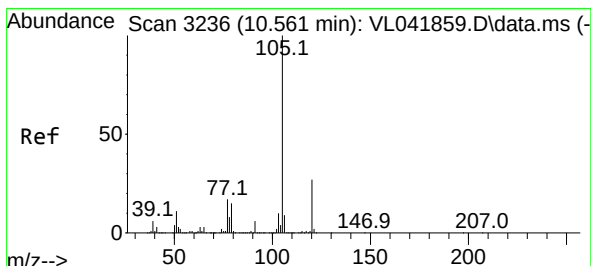
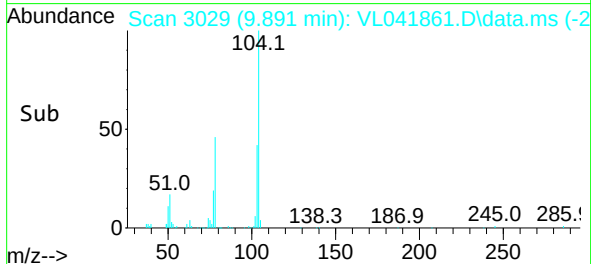
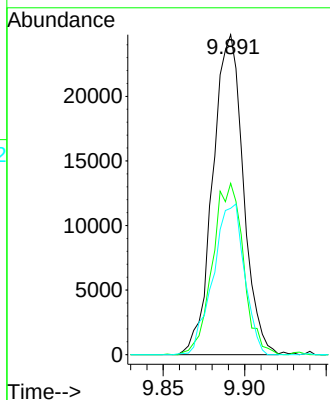
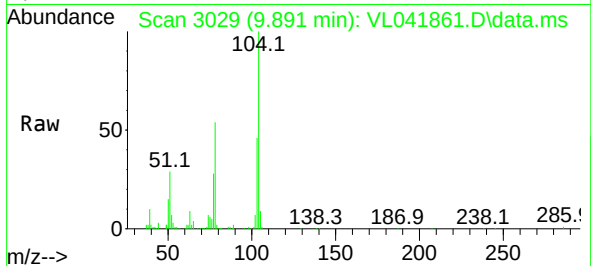
#61
Styrene
Concen: 1.795 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 32180
Ion Ratio Lower Upper
104 100
78 54.3 42.8 64.2
103 48.2 37.8 56.6

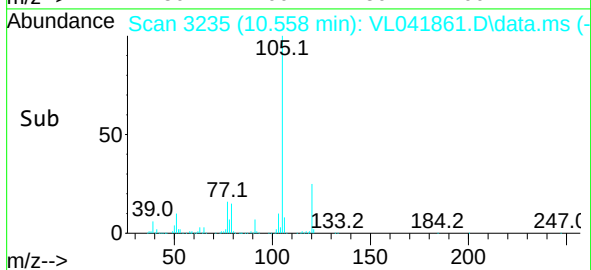
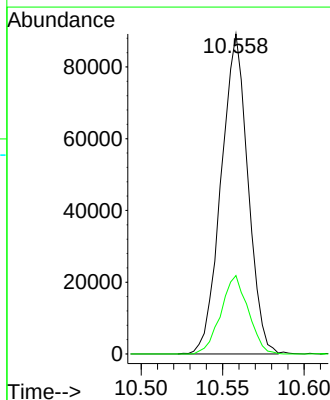
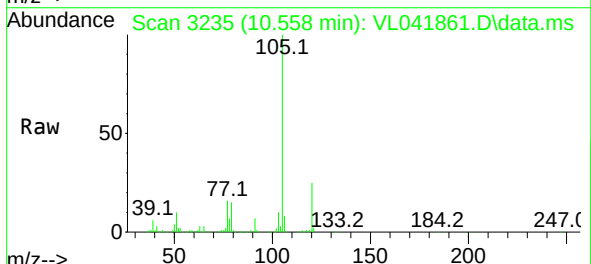
Manual Integrations
APPROVED

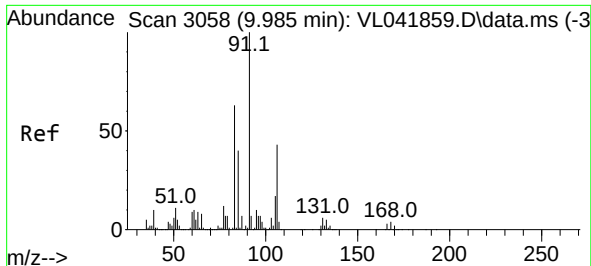
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#62
Isopropylbenzene
Concen: 1.402 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

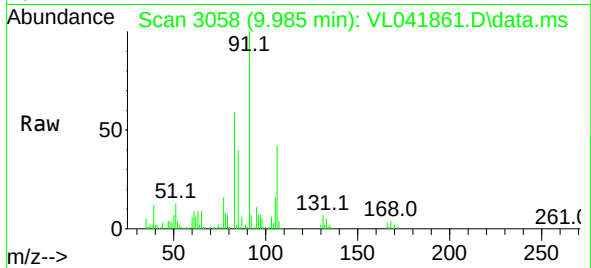
Tgt Ion:105 Resp: 101824
Ion Ratio Lower Upper
105 100
120 25.0 20.4 30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.966 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

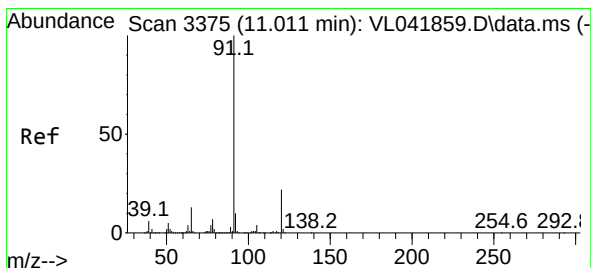
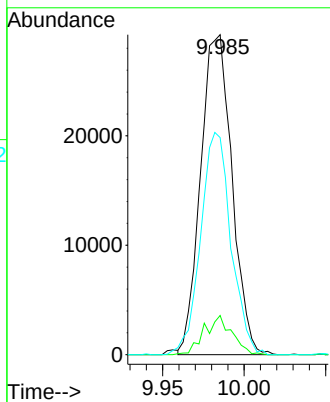
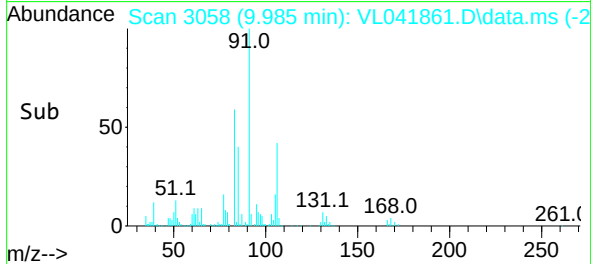
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



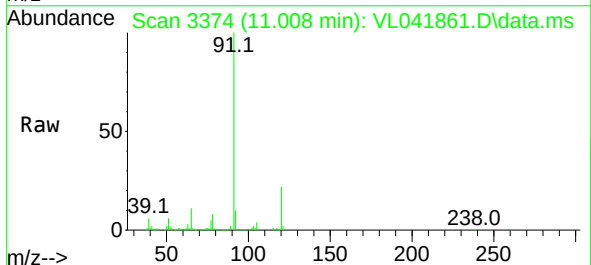
Tgt Ion: 83 Resp: 39140
Ion Ratio Lower Upper
83 100
131 10.8 4.8 14.3
85 67.1 31.9 95.9

Manual Integrations
APPROVED

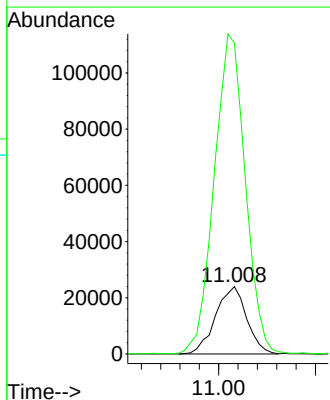
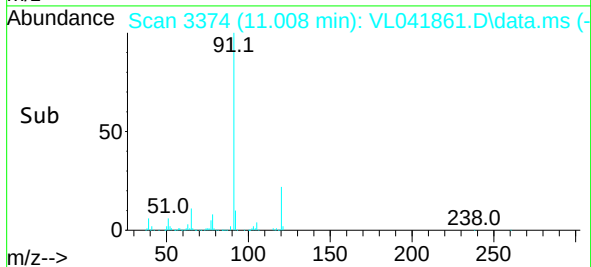
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

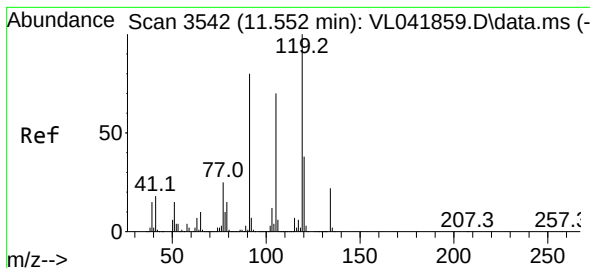


#64
n-propylbenzene
Concen: 1.430 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



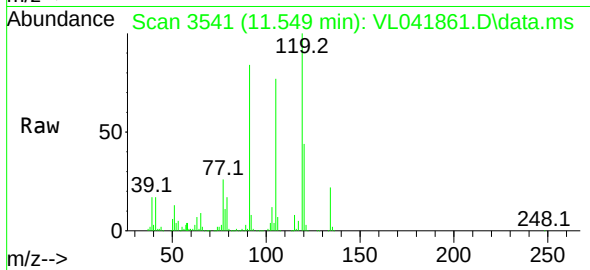
Tgt Ion:120 Resp: 26642
Ion Ratio Lower Upper
120 100
91 476.2 382.1 573.1





#65
tert-Butylbenzene
Concen: 1.457 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

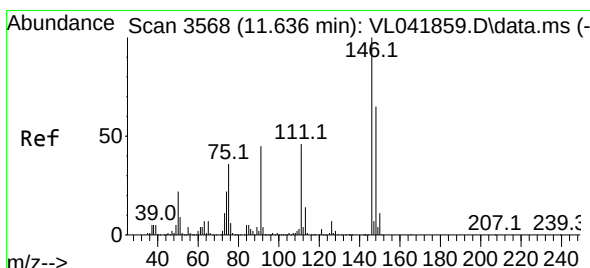
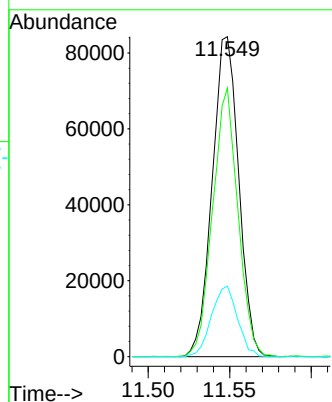
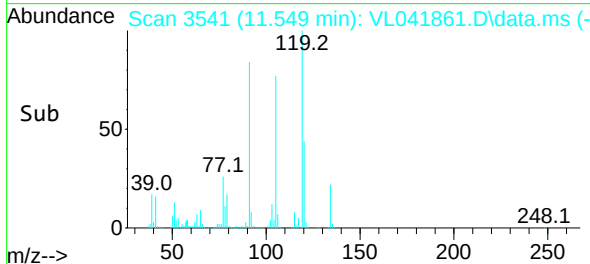
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001



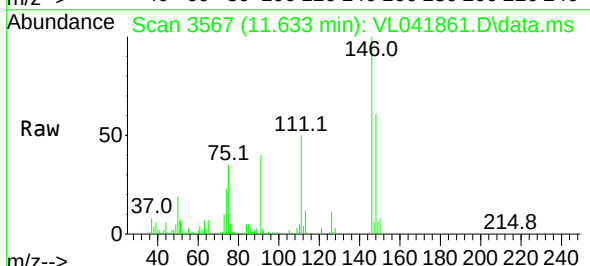
Tgt Ion: 119 Resp: 9530
Ion Ratio Lower Upper
119 100
91 80.1 68.0 102.0
134 21.6 16.2 24.4

Manual Integrations
APPROVED

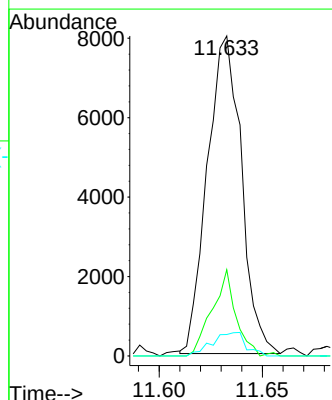
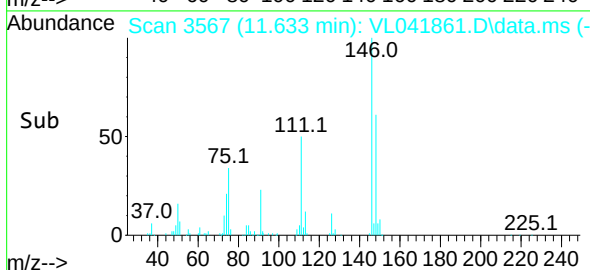
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

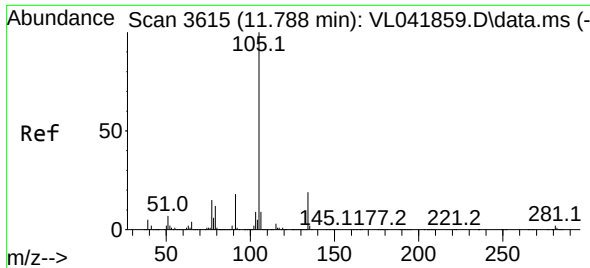


#66
Benzyl Chloride
Concen: 1.679 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



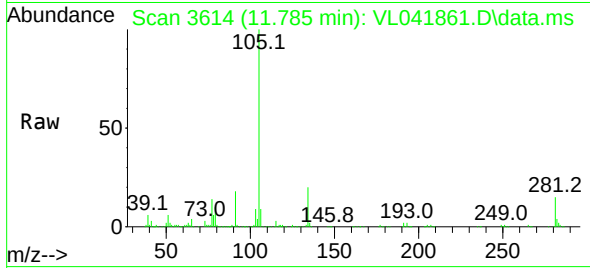
Tgt Ion: 91 Resp: 9179
Ion Ratio Lower Upper
91 100
126 19.2 12.1 18.1#
128 7.4 4.3 6.5#





#67
 sec-Butylbenzene
 Concen: 1.365 ppbv
 RT: 11.785 min Scan# 3614
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

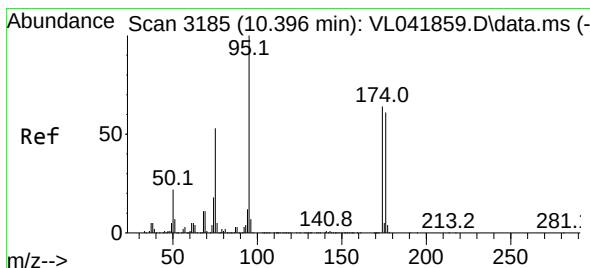
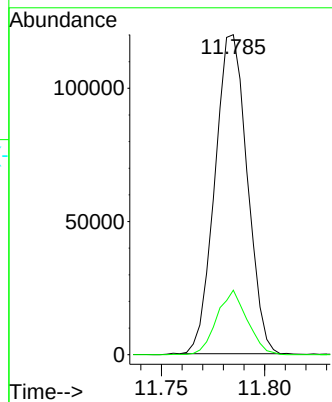
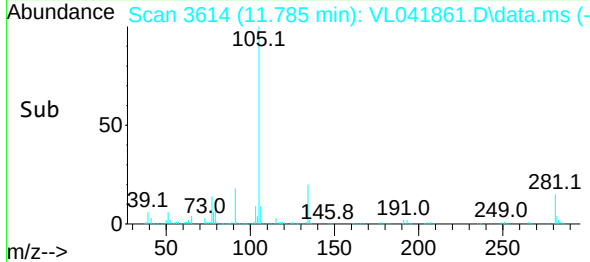
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



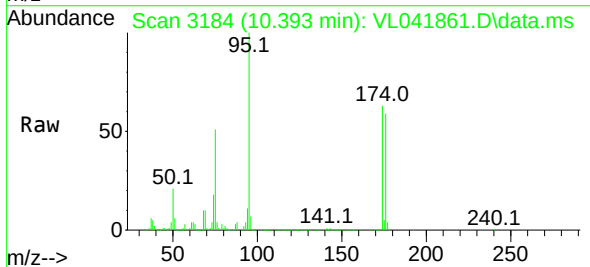
Tgt Ion:105 Resp: 130334
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.6 22.0

Manual Integrations
 APPROVED

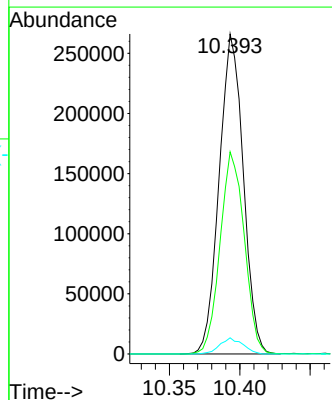
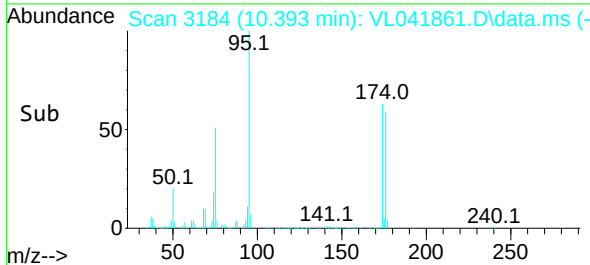
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

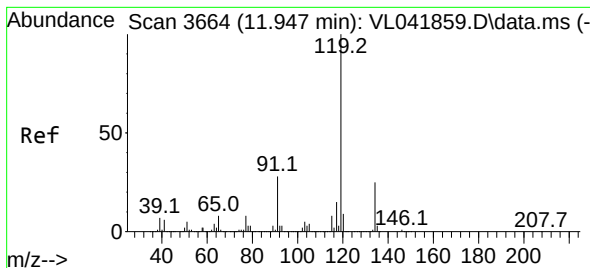


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.381 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22



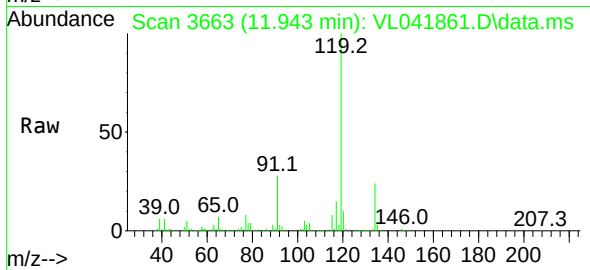
Tgt Ion: 95 Resp: 317281
 Ion Ratio Lower Upper
 95 100
 174 63.5 47.6 71.4
 175 4.8 3.8 5.6





#69
p-Isopropyltoluene
Concen: 1.498 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

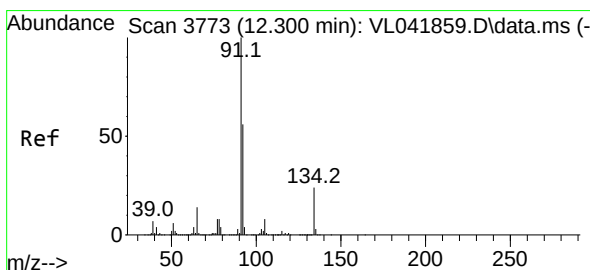
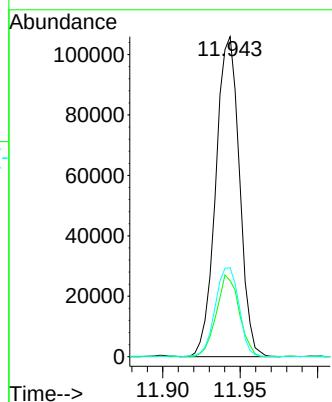
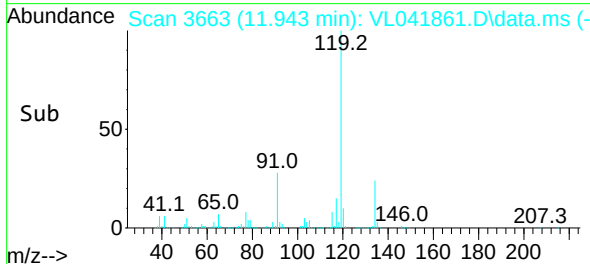
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 119 Resp: 112250
Ion Ratio Lower Upper
119 100
134 24.8 19.4 29.2
91 28.2 24.0 36.0

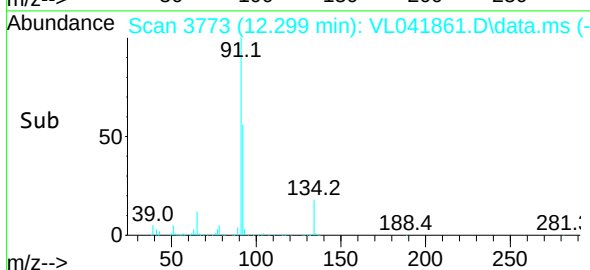
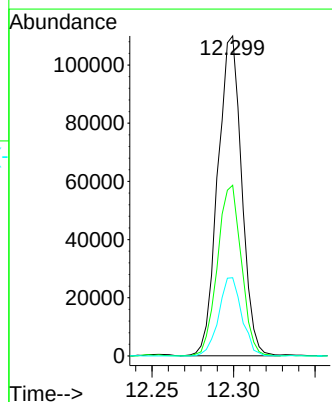
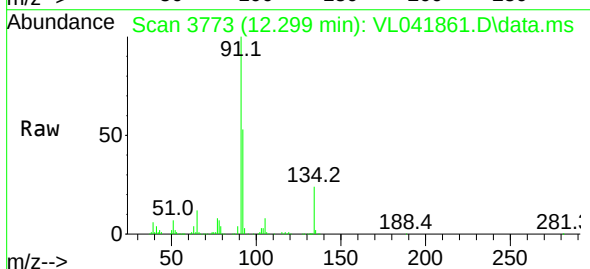
Manual Integrations
APPROVED

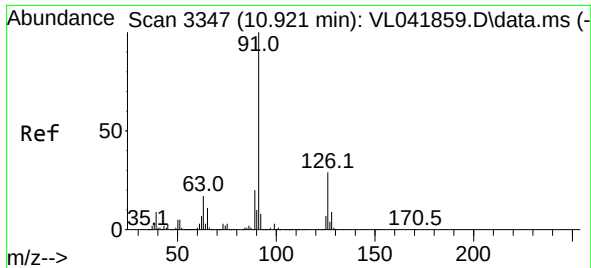
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#70
n-Butylbenzene
Concen: 1.486 ppbv
RT: 12.299 min Scan# 3773
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 111884
Ion Ratio Lower Upper
91 100
92 53.6 42.8 64.2
134 23.7 17.8 26.6





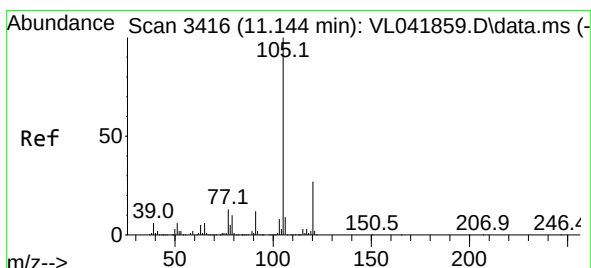
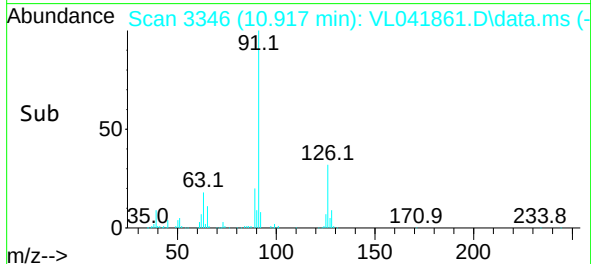
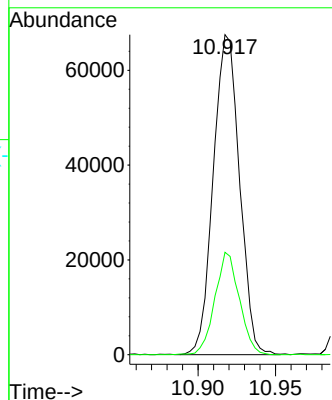
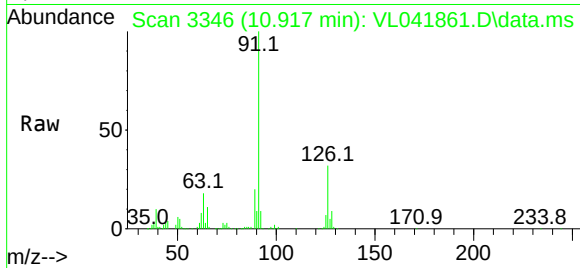
#71
2-Chlorotoluene
Concen: 1.510 ppbv
RT: 10.917 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 79598
Ion Ratio Lower Upper
91 100
126 29.7 11.6 46.6

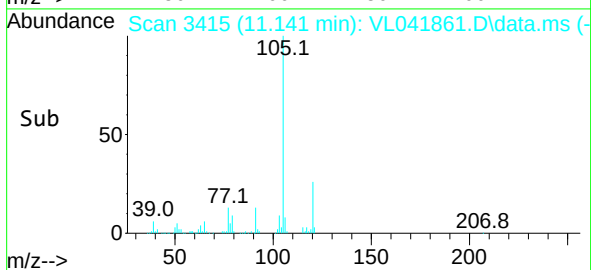
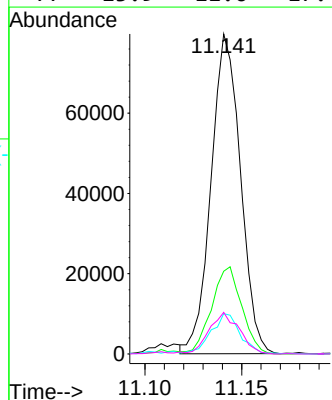
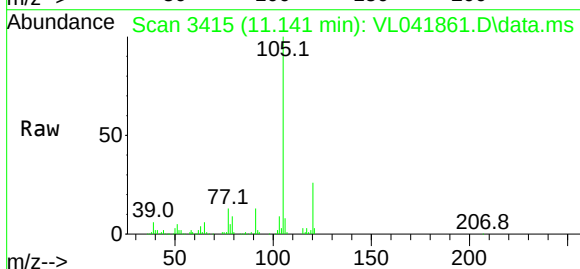
Manual Integrations
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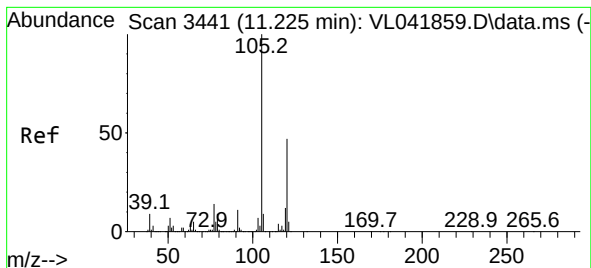
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
4-Ethyltoluene
Concen: 1.505 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 84096
Ion Ratio Lower Upper
105 100
120 28.9 23.4 35.2
91 13.4 10.8 16.2
77 13.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 1.467 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 7181

Ion Ratio Lower Upper

105 100

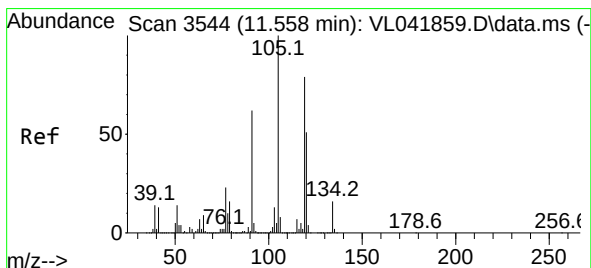
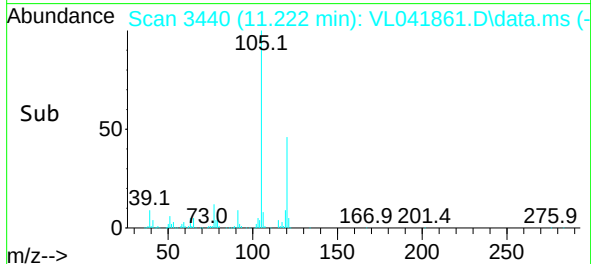
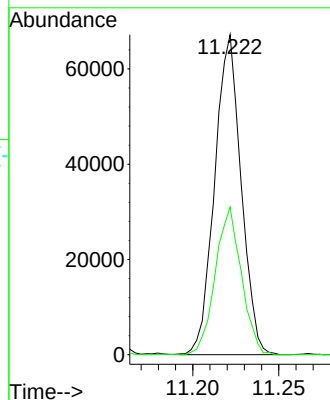
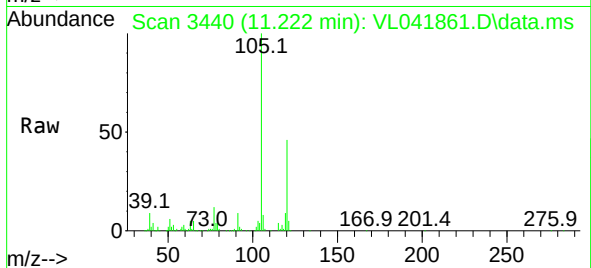
120 46.1 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.394 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 79018

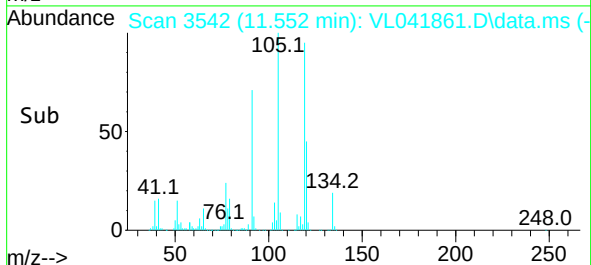
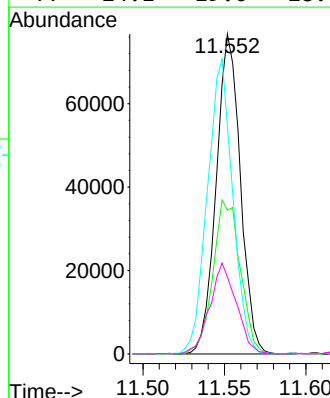
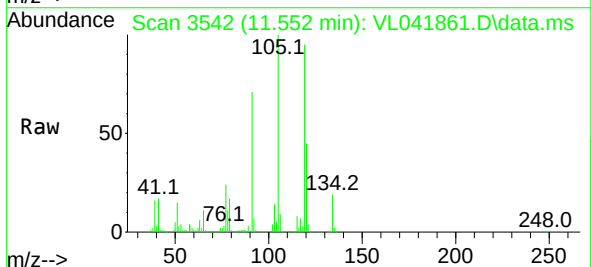
Ion Ratio Lower Upper

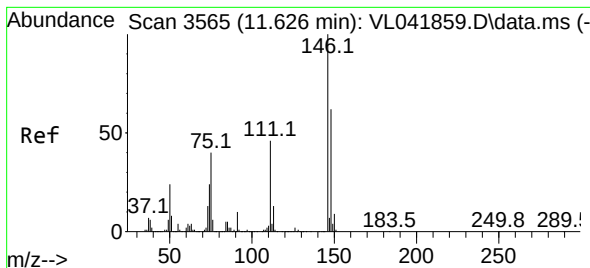
105 100

120 45.0 37.4 56.0

91 71.2 47.4 71.2#

77 24.1 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 1.224 ppbv

RT: 11.623 min Scan# 3565

Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_1

ClientSampleId :

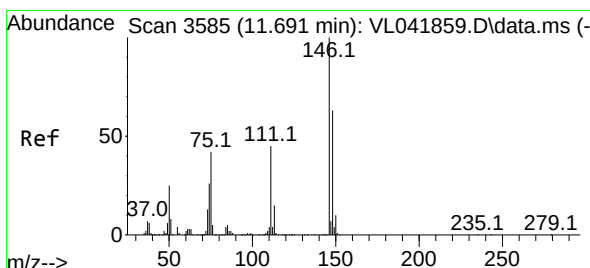
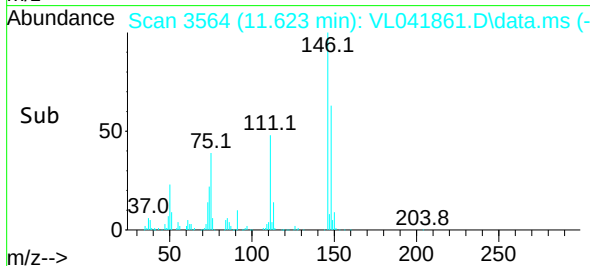
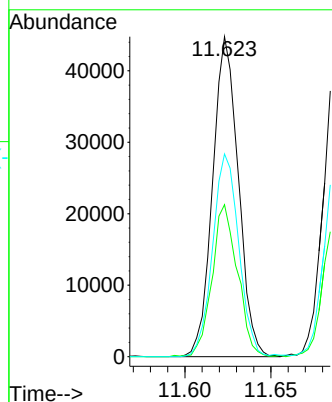
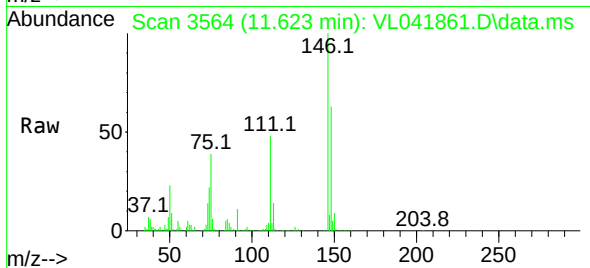
VSTDIC001

Tgt Ion:146	Resp:	4646
Ion Ratio	Lower	Upper
146	100	
111	47.1	24.1 72.2
148	64.8	32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#76

1,4-Dichlorobenzene

Concen: 1.241 ppbv

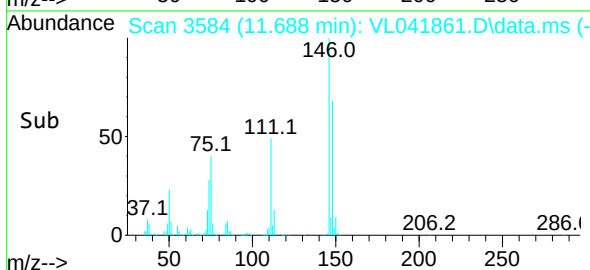
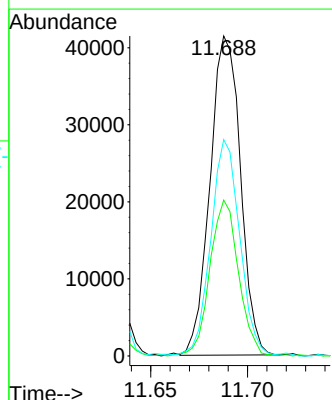
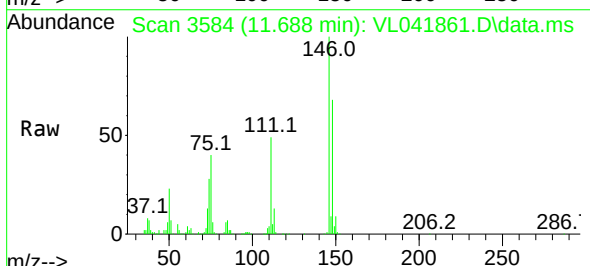
RT: 11.688 min Scan# 3584

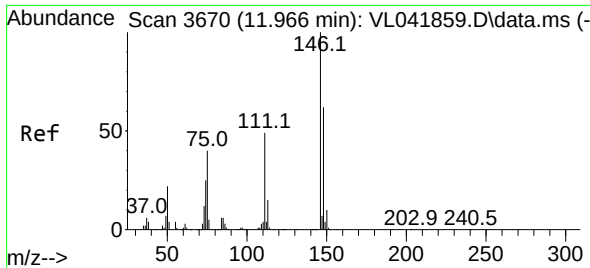
Delta R.T. 0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

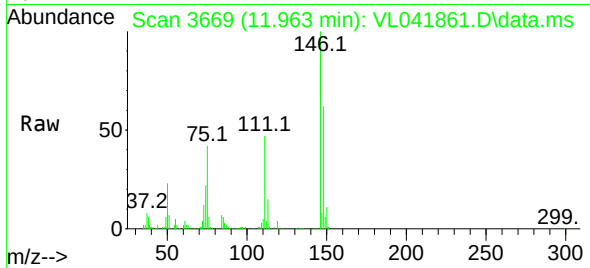
Tgt Ion:146	Resp:	45316
Ion Ratio	Lower	Upper
146	100	
111	46.2	23.2 69.6
148	65.5	32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 1.115 ppbv
RT: 11.963 min Scan# 3669
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

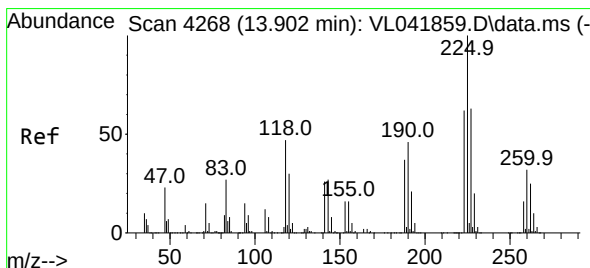
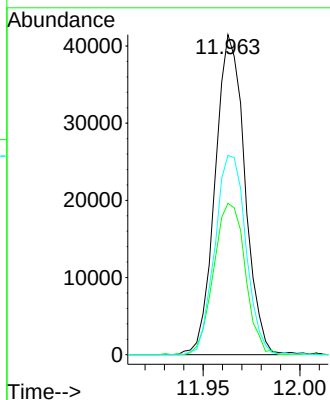
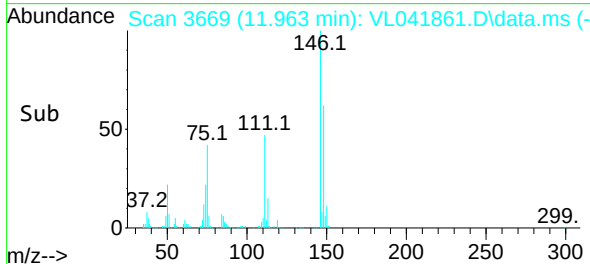
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



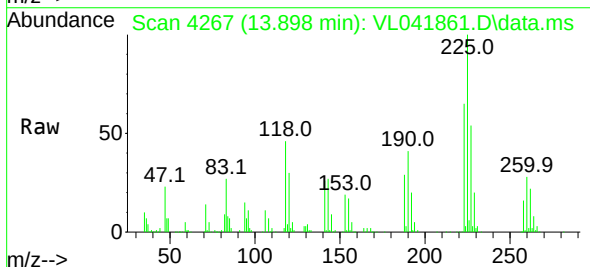
Tgt Ion:146 Resp: 4410
Ion Ratio Lower Upper
146 100
111 50.4 24.7 74.1
148 65.3 31.5 94.5

Manual Integrations
APPROVED

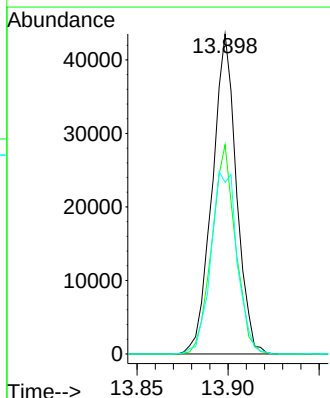
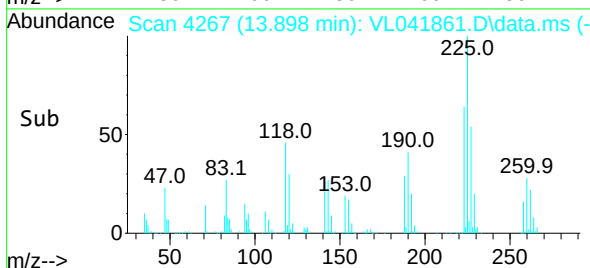
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

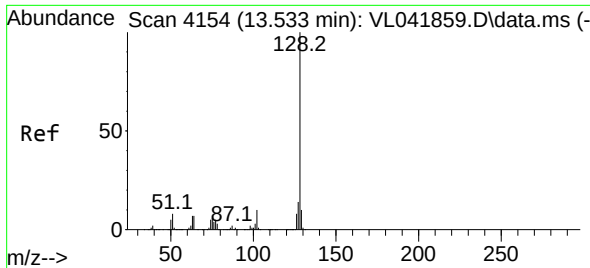


#78
Hexachloro-1,3-Butadiene
Concen: 1.428 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



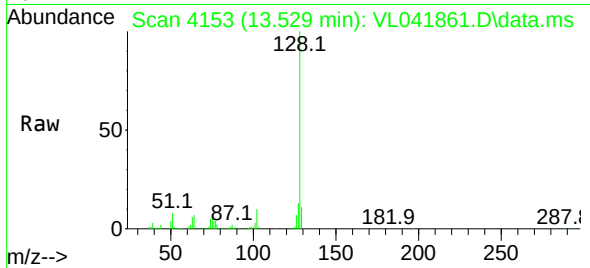
Tgt Ion:225 Resp: 40100
Ion Ratio Lower Upper
225 100
223 64.0 50.4 75.6
227 62.5 51.2 76.8





#79
Naphthalene
Concen: 2.069 ppbv
RT: 13.529 min Scan# 4154
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

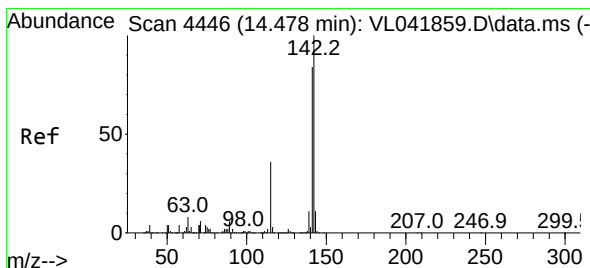
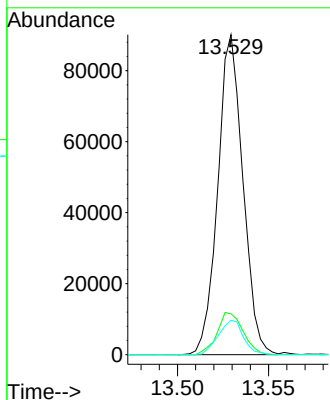
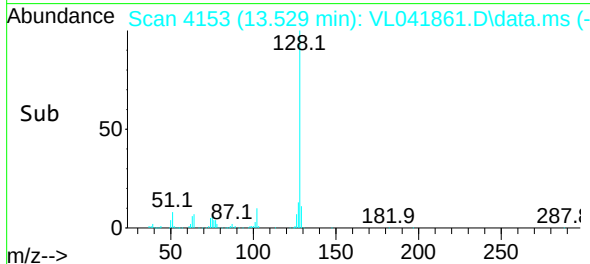
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



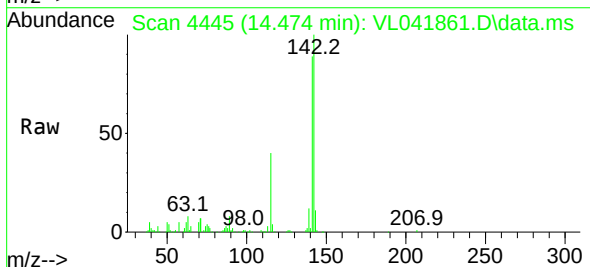
Tgt Ion:128 Resp: 86398
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.8 8.2 12.4

Manual Integrations
APPROVED

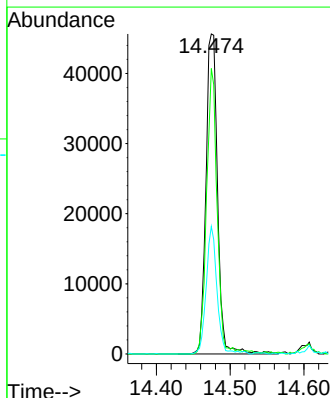
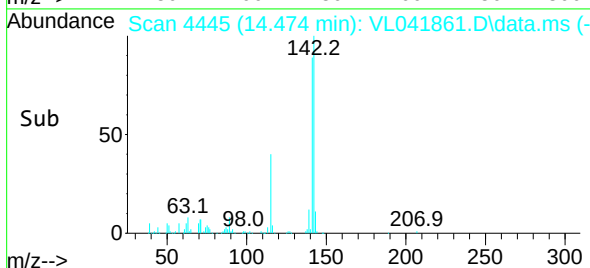
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

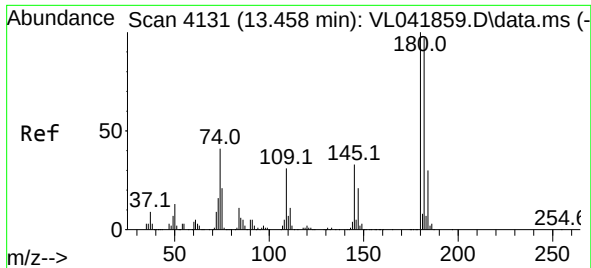


#80
Naphthalene,2-methyl-
Concen: 3.222 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22



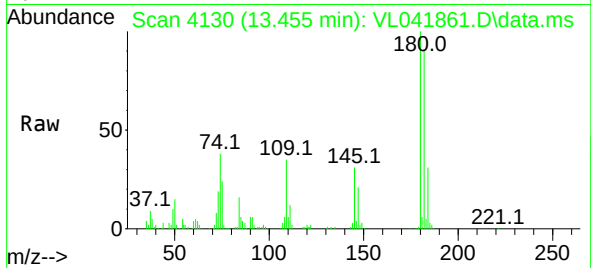
Tgt Ion:142 Resp: 49807
Ion Ratio Lower Upper
142 100
141 81.3 67.8 101.6
115 37.6 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 1.844 ppbv
 RT: 13.455 min Scan# 4130
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

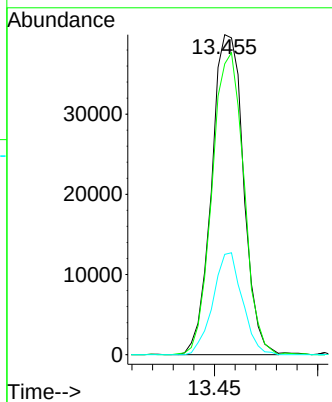
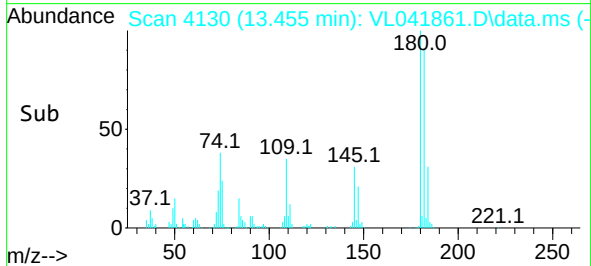
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:180 Resp: 42679
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.9 113.9
 184 29.4 24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041862.D
 Acq On : 09 Jan 2025 12:53
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:33:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	143127	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.985	114	429322	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	397287	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 320213 9.411 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	12809	0.545	ppbv	97
3) Chlorodifluoromethane	1.483	51	14172	0.632	ppbv	98
4) Chloromethane	1.541	50	4728	0.490	ppbv #	79
5) Vinyl Chloride	1.589	62	4803	0.493	ppbv	97
6) Bromomethane	1.674	94	2791	0.669	ppbv #	81
7) Chloroethane	1.716	64	2059	0.549	ppbv	94
8) Dichlorotetrafluoroethane	1.564	85	10699	0.528	ppbv	93
9) Propene	1.489	41	6731	0.862	ppbv	90
10) Heptane	5.011	43	17661m	0.915	ppbv	
11) Trichlorofluoromethane	1.887	101	13013	0.545	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.153	101	10592	0.596	ppbv	90
13) Ethanol	1.732	45	533m	0.600	ppbv	
14) Bromoethene	1.790	108	3822	0.656	ppbv #	90
15) Acetone	1.848	43	15259	0.579	ppbv #	83
16) 1,3-Butadiene	1.619	39	7024	0.680	ppbv	98
17) tert-Butyl alcohol	2.056	59	14992	0.657	ppbv #	93
18) 1,1-Dichloroethene	2.046	96	4883	0.656	ppbv #	88
19) Isopropyl Alcohol	1.900	45	7509	0.607	ppbv #	95
20) Methylene Chloride	2.075	84	4849	0.644	ppbv	96
21) Allyl Chloride	2.107	41	8675	0.639	ppbv #	91
22) trans-1,2-Dichloroethene	2.357	96	5632	0.677	ppbv	83
23) Vinyl Acetate	2.473	43	5348m	0.633	ppbv	
24) 1,1-Dichloroethane	2.421	63	10611	0.583	ppbv	98
25) Ethyl Acetate	2.855	43	31455	0.712	ppbv #	97
26) Hexane	2.845	57	13451	0.877	ppbv	86
27) Carbon Disulfide	2.162	76	12466	0.856	ppbv #	62
28) Methyl tert-Butyl Ether	2.460	73	10251	0.887	ppbv #	79
29) Chloroform	2.865	83	18316	0.643	ppbv	93
30) Cyclohexane	3.884	84	11047m	0.949	ppbv	
31) cis-1,2-Dichloroethene	2.735	61	13045	0.826	ppbv	90
32) 1,1,1-Trichloroethane	3.389	97	17819	0.690	ppbv	95
34) 2-Butanone	2.577	43	19019	0.562	ppbv	96
35) Carbon Tetrachloride	3.787	117	15737	0.485	ppbv	96
36) Benzene	3.680	78	25621	0.625	ppbv #	92
37) 1,2-Dichloroethane	3.237	62	14429	0.535	ppbv #	90
38) Trichloroethene	4.577	130	10721m	0.667	ppbv	
39) 1,2-Dichloropropane	4.350	63	9384m	0.591	ppbv	
40) 1,4-Dioxane	4.638	88	4958m	0.806	ppbv	
41) Tetrahydrofuran	3.085	42	11404	0.715	ppbv #	92
42) Bromodichloromethane	4.525	83	18000	0.569	ppbv #	97
43) Methyl Methacrylate	4.923	69	10965m	0.851	ppbv	
44) 2,2,4-Trimethylpentane	4.668	57	44153m	0.653	ppbv	
45) t-1,3-Dichloropropene	6.451	75	10609	0.844	ppbv #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041862.D
 Acq On : 09 Jan 2025 12:53
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:33:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.642	75	13758	0.832	ppbv	89
47) 1,1,2-Trichloroethane	6.626	97	9885m	0.589	ppbv	
48) Dibromochloromethane	7.419	129	13671	0.640	ppbv	99
49) Bromoform	9.510	173	11202	0.654	ppbv	98
50) 4-Methyl-2-Pentanone	5.810	43	26751m	0.685	ppbv	
51) 2-Hexanone	7.480	43	22189	0.750	ppbv #	90
52) Tetrachloroethene	8.254	164	9543	0.785	ppbv #	88
53) Toluene	6.966	91	30969	0.847	ppbv	98
54) 1,2-Dibromoethane	7.684	107	13281	0.646	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.950	131	12299	0.543	ppbv	92
57) Chlorobenzene	8.946	112	23264	0.560	ppbv #	95
58) Ethyl Benzene	9.380	91	41863	0.773	ppbv	90
59) m/p-Xylene	9.555	91	66716m	1.396	ppbv	
60) o-Xylene	9.985	91	34021	0.732	ppbv	99
61) Styrene	9.891	104	16798	0.931	ppbv	99
62) Isopropylbenzene	10.558	105	50575	0.692	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	20172	0.495	ppbv	97
64) n-propylbenzene	11.008	120	13351	0.712	ppbv	96
65) tert-Butylbenzene	11.552	119	46079	0.700	ppbv	97
66) Benzyl Chloride	11.633	91	4858	0.883	ppbv	99
67) sec-Butylbenzene	11.788	105	65001	0.677	ppbv	96
69) p-Isopropyltoluene	11.944	119	53789	0.713	ppbv	99
70) n-Butylbenzene	12.300	91	55556	0.733	ppbv	99
71) 2-Chlorotoluene	10.921	91	40116	0.757	ppbv	99
72) 4-Ethyltoluene	11.144	105	40352	0.718	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	34365	0.698	ppbv	92
74) 1,2,4-Trimethylbenzene	11.555	105	37910	0.665	ppbv #	82
75) 1,3-Dichlorobenzene	11.626	146	23642	0.619	ppbv	95
76) 1,4-Dichlorobenzene	11.691	146	23242	0.633	ppbv	98
77) 1,2-Dichlorobenzene	11.966	146	22337	0.561	ppbv	99
78) Hexachloro-1,3-Butadiene	13.902	225	19853	0.703	ppbv	97
79) Naphthalene	13.533	128	42331	1.007	ppbv #	95
80) Naphthalene,2-methyl-	14.478	142	23524	1.513	ppbv	96
81) 1,2,4-Trichlorobenzene	13.458	180	19980	0.858	ppbv	97

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

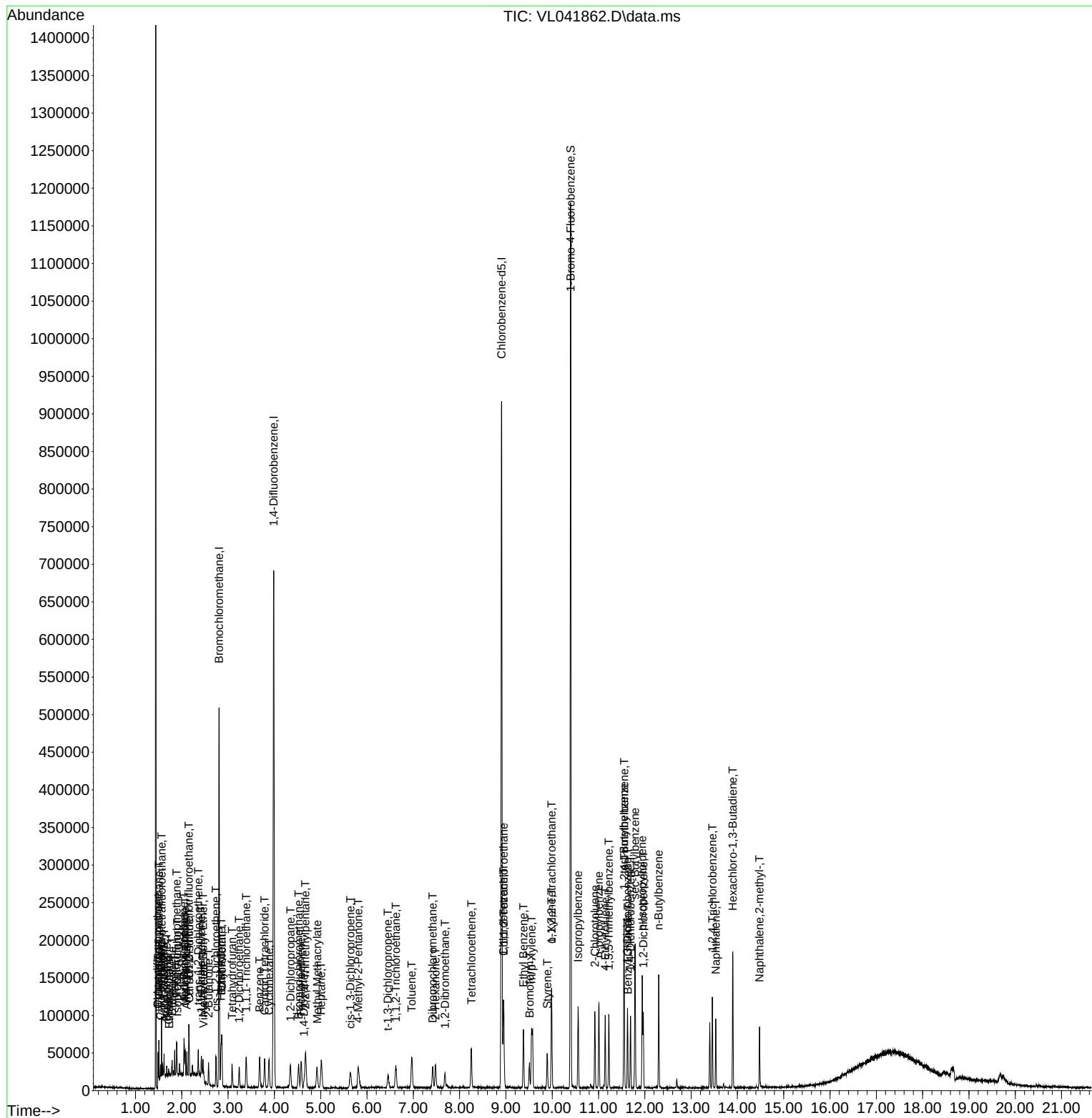
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041862.D
Acq On : 09 Jan 2025 12:53
Operator : SY/MD
Sample : VSTDIC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

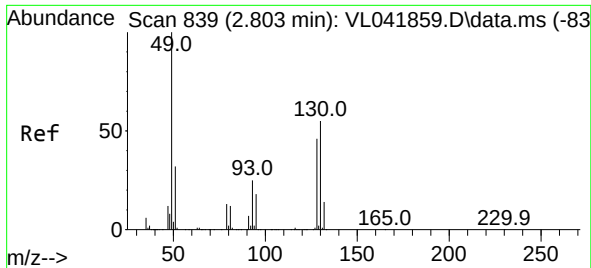
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:33:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jan 08 03:26:12 2025
Response via : Initial Calibration





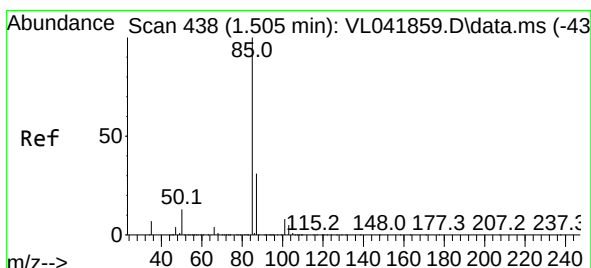
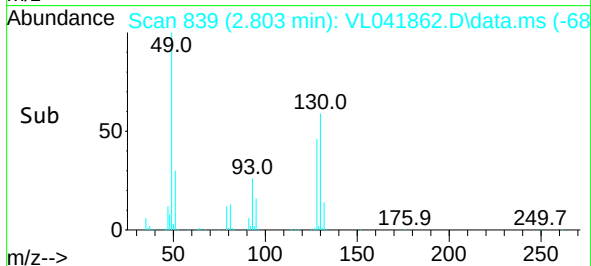
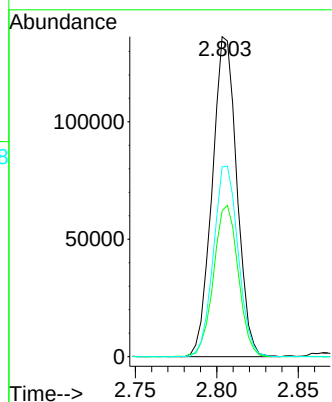
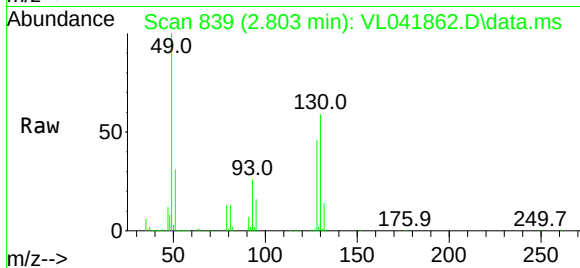
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 14312
Ion Ratio Lower Upper
49 100
128 47.3 19.7 59.1
130 59.7 26.4 79.2

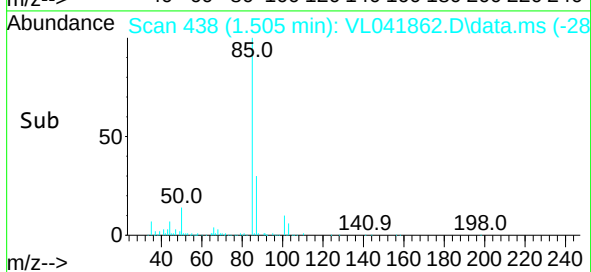
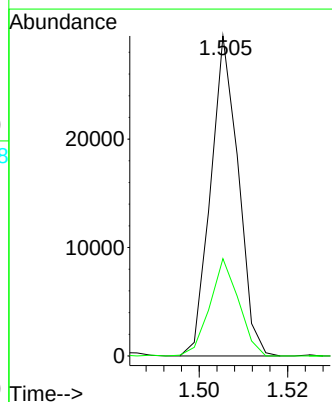
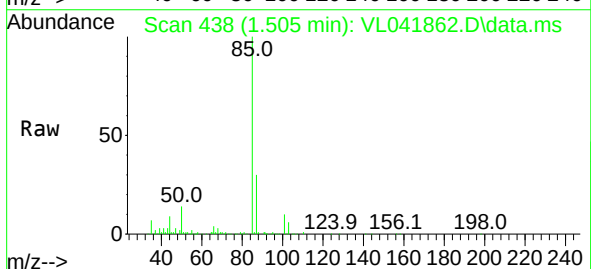
Manual Integrations
APPROVED

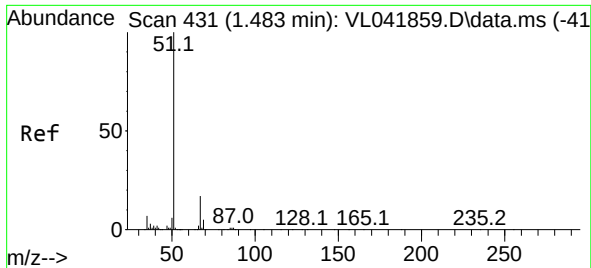
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.545 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

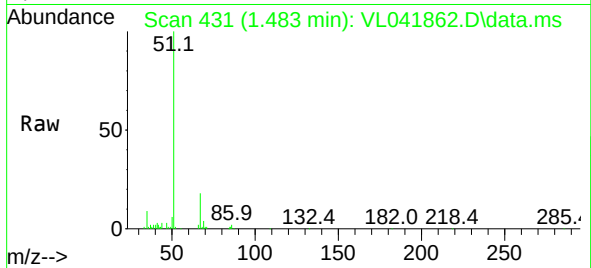
Tgt Ion: 85 Resp: 12809
Ion Ratio Lower Upper
85 100
87 30.4 25.6 38.4





#3
Chlorodifluoromethane
Concen: 0.632 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

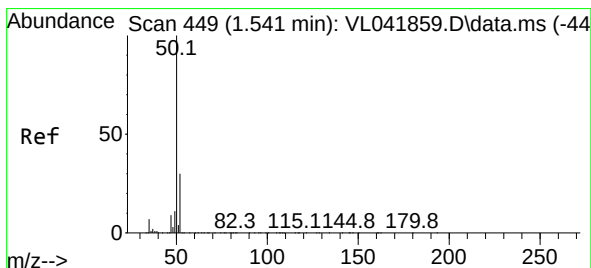
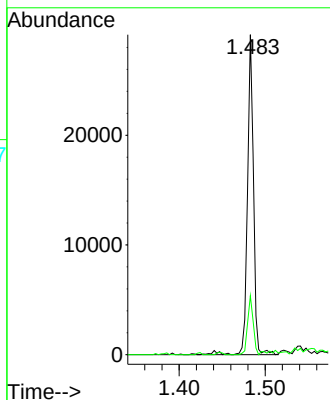
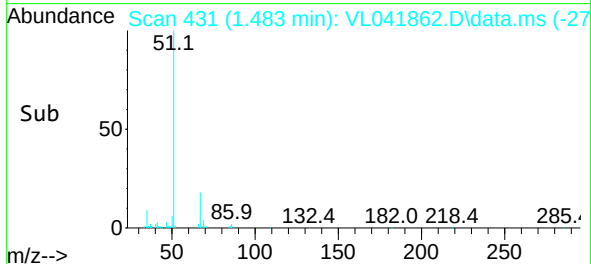
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



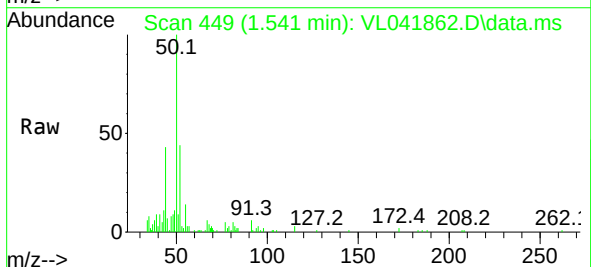
Tgt Ion: 51 Resp: 14172
Ion Ratio Lower Upper
51 100
67 19.3 14.6 22.0

Manual Integrations
APPROVED

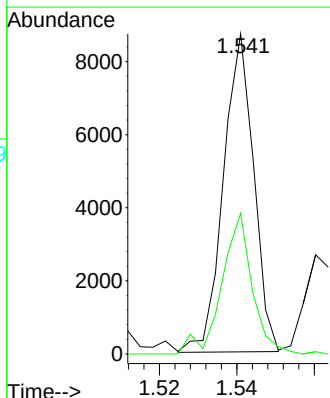
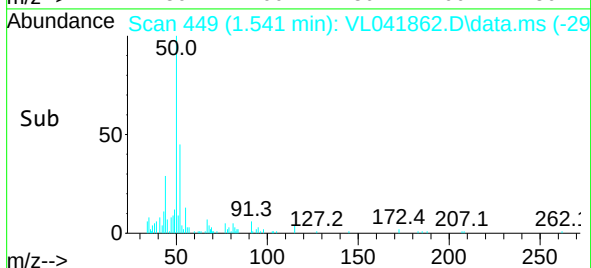
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

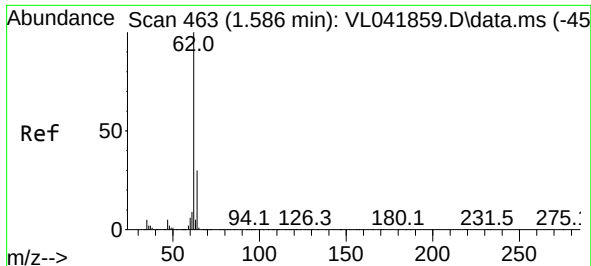


#4
Chloromethane
Concen: 0.490 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 50 Resp: 4728
Ion Ratio Lower Upper
50 100
52 44.3 26.1 39.1#





#5
 Vinyl Chloride
 Concen: 0.493 ppbv
 RT: 1.589 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

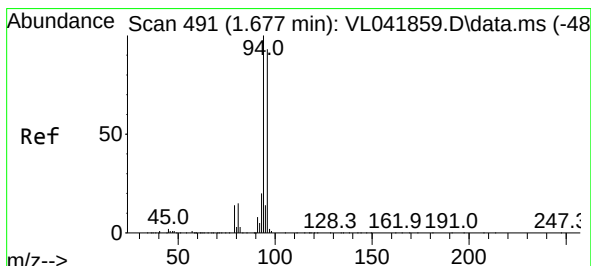
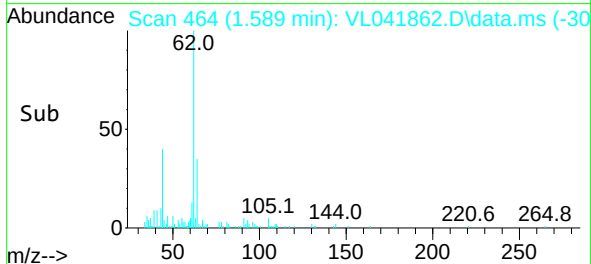
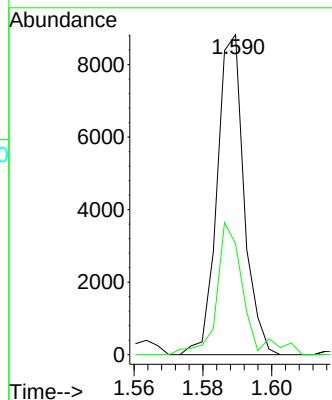
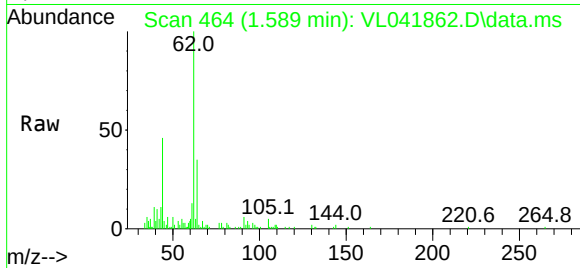
ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 480
 Ion Ratio Lower Upper
 62 100
 64 33.0 24.9 37.3

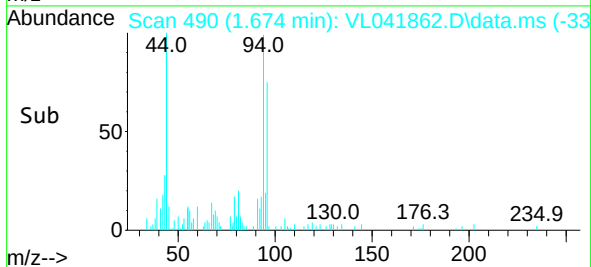
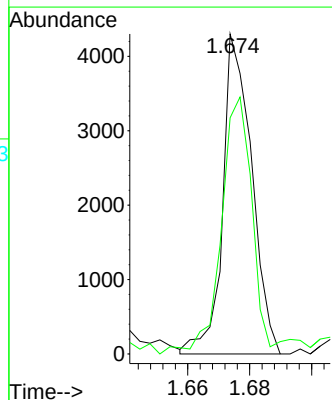
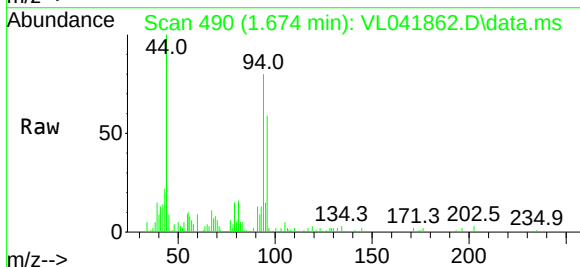
Manual Integrations
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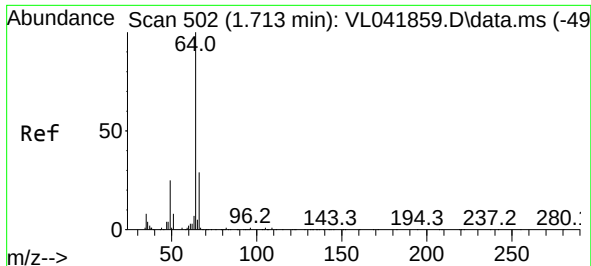
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#6
 Bromomethane
 Concen: 0.669 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

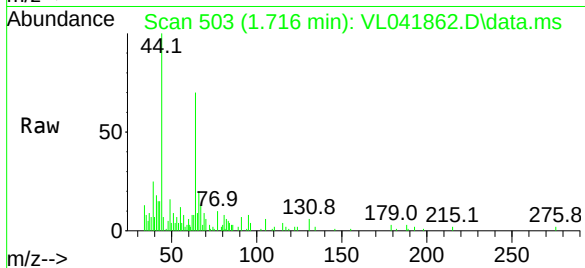
Tgt Ion: 94 Resp: 2791
 Ion Ratio Lower Upper
 94 100
 96 71.9 72.0 108.0#





#7
Chloroethane
Concen: 0.549 ppbv
RT: 1.716 min Scan# 502
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

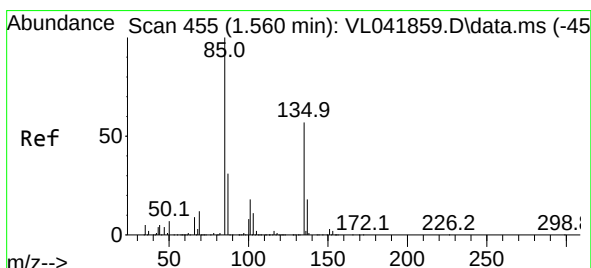
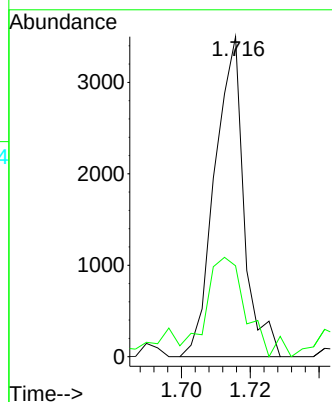
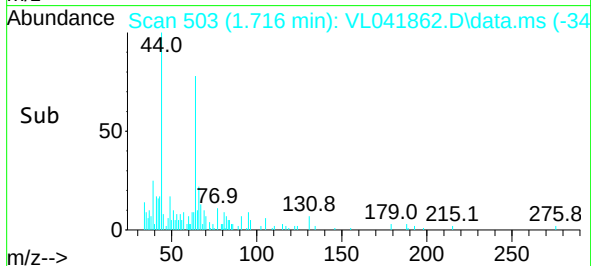
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



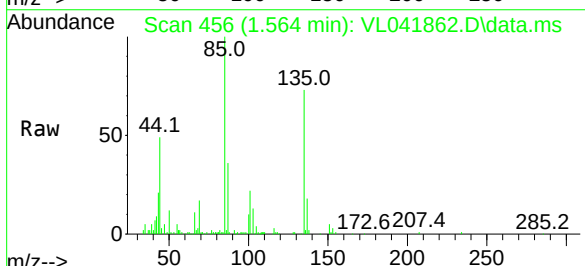
Tgt Ion: 64 Resp: 2059
Ion Ratio Lower Upper
64 100
66 28.4 25.6 38.4

Manual Integrations
APPROVED

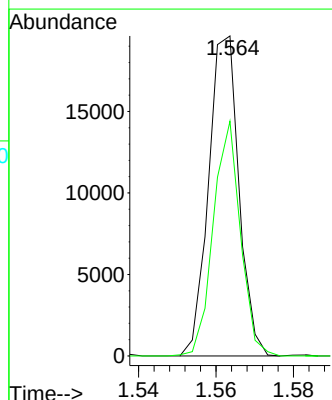
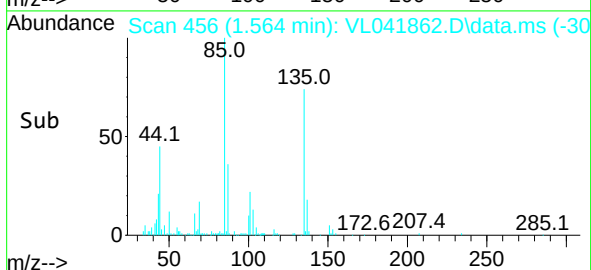
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

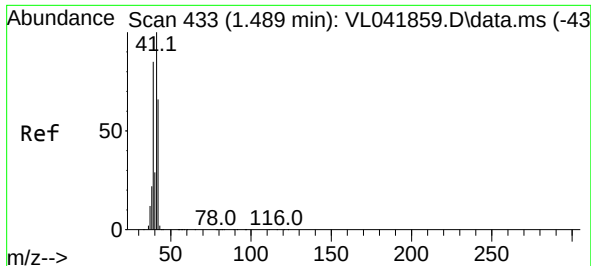


#8
Dichlorotetrafluoroethane
Concen: 0.528 ppbv
RT: 1.564 min Scan# 456
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



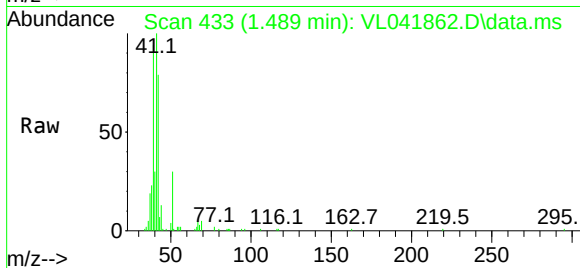
Tgt Ion: 85 Resp: 10699
Ion Ratio Lower Upper
85 100
135 65.4 47.9 71.9





#9
Propene
Concen: 0.862 ppbv
RT: 1.489 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

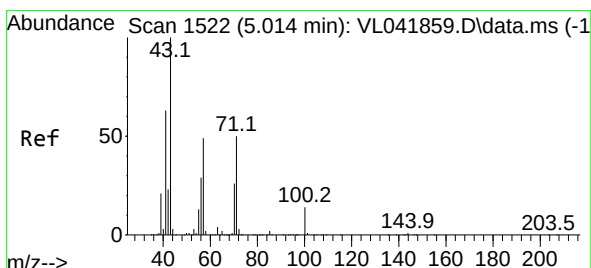
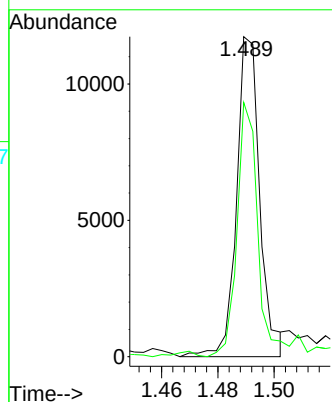
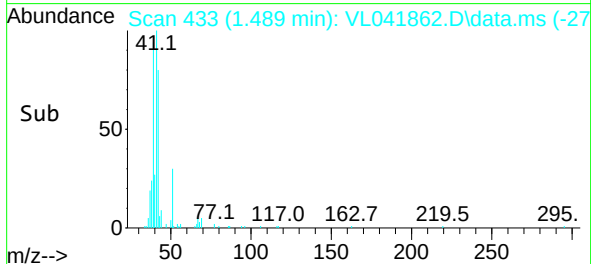
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



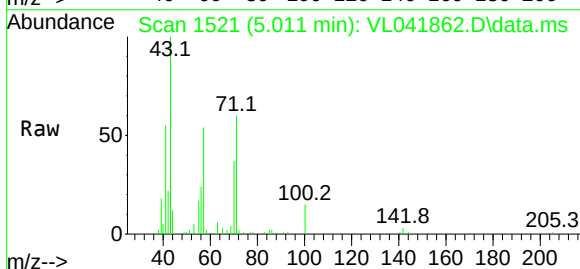
Tgt Ion: 41 Resp: 673
Ion Ratio Lower Upper
41 100
42 76.2 54.4 81.6

Manual Integrations
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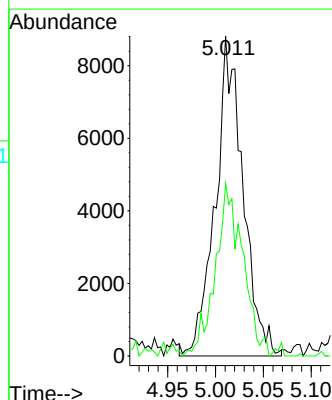
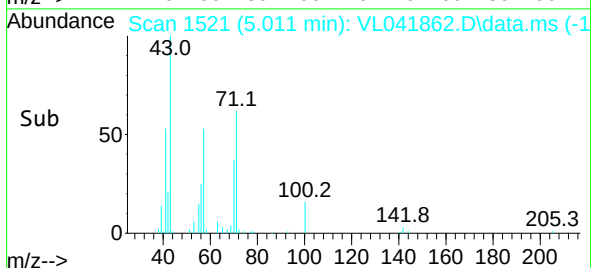
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

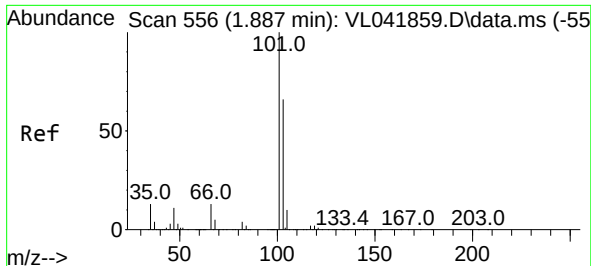


#10
Heptane
Concen: 0.915 ppbv m
RT: 5.011 min Scan# 1521
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 43 Resp: 17661
Ion Ratio Lower Upper
43 100
57 54.5 37.8 56.6





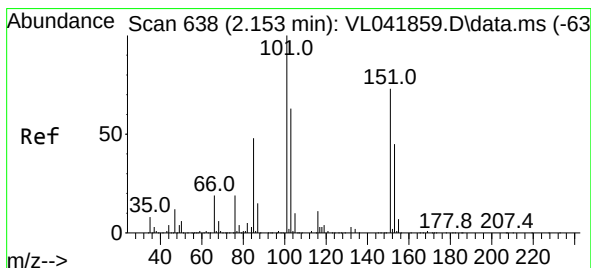
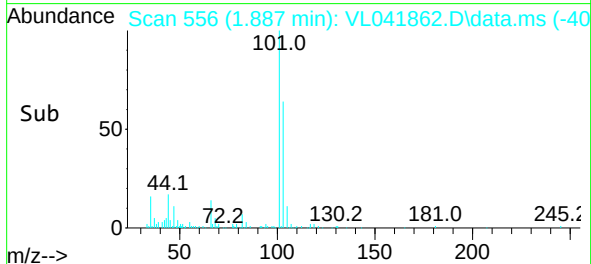
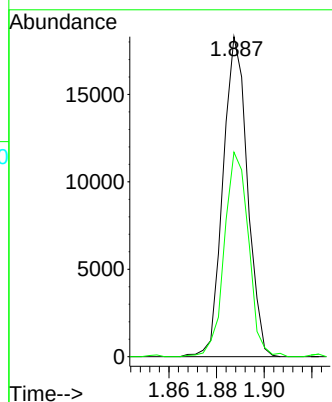
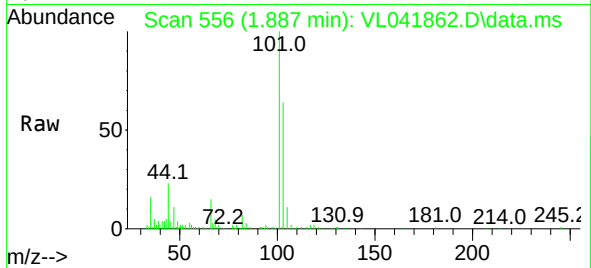
#11
 Trichlorofluoromethane
 Concen: 0.545 ppbv
 RT: 1.887 min Scan# 556
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:101 Resp: 1301
 Ion Ratio Lower Upper
 101 100
 103 63.9 49.4 74.0

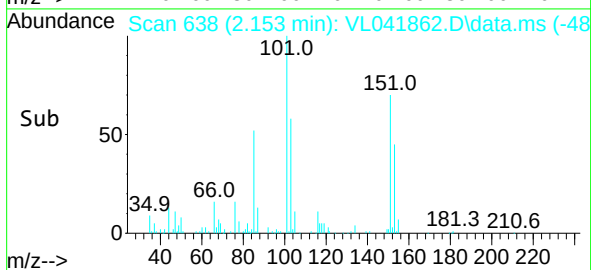
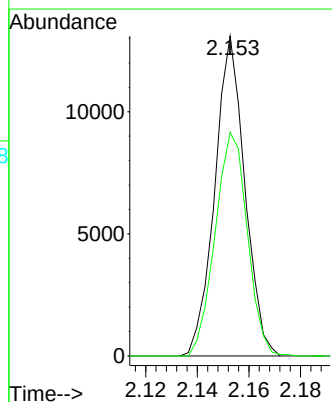
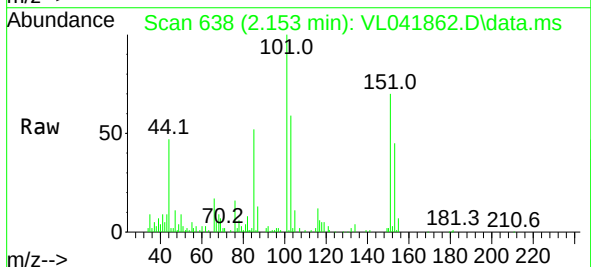
Manual Integrations
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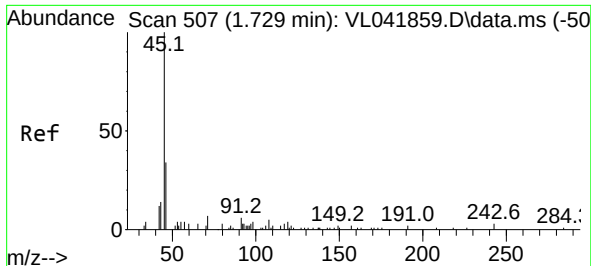
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.596 ppbv
 RT: 2.153 min Scan# 638
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

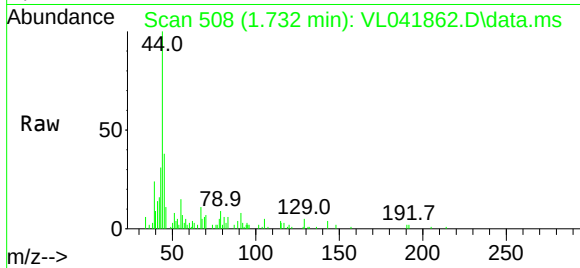
Tgt Ion:101 Resp: 10592
 Ion Ratio Lower Upper
 101 100
 151 74.7 53.2 79.8





#13
Ethanol
Concen: 0.600 ppbv m
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

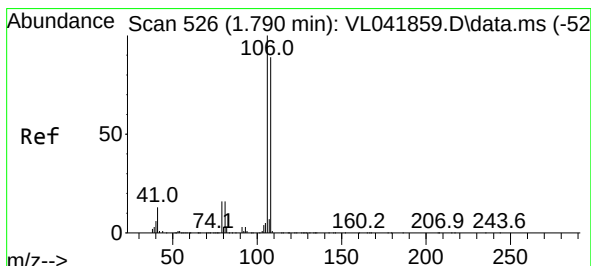
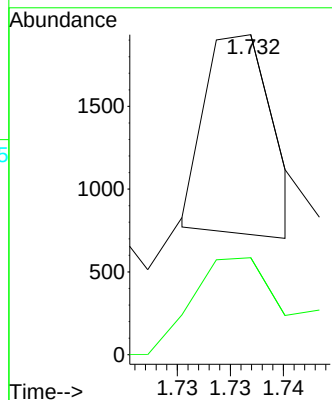
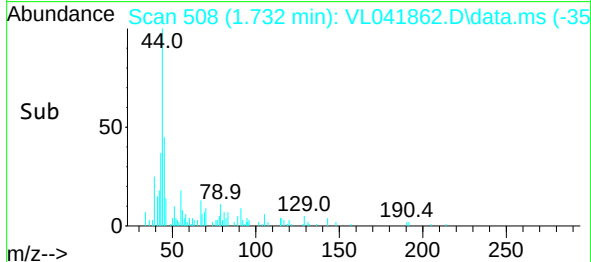
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



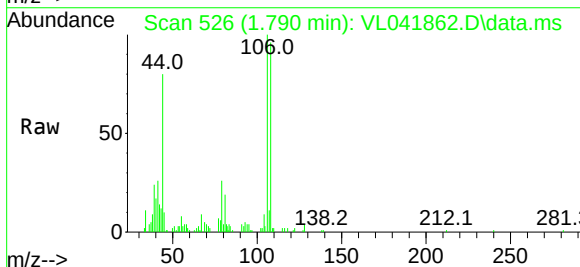
Tgt Ion: 45 Resp: 53
Ion Ratio Lower Upper
45 100
46 131.0 16.1 64.5

Manual Integrations
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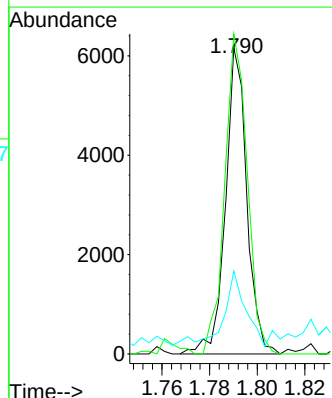
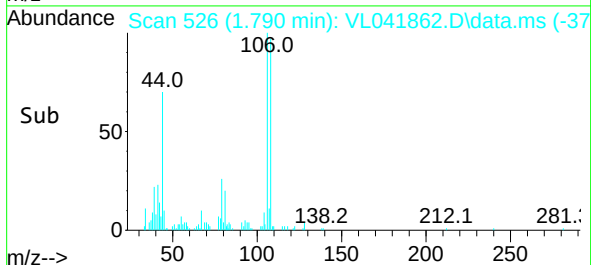
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

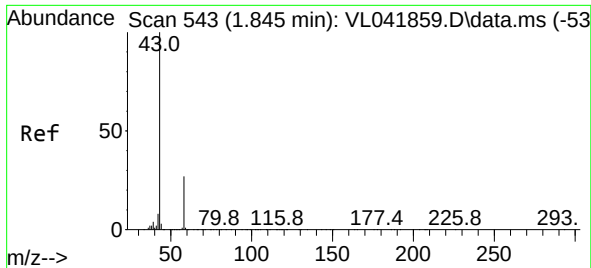


#14
Bromoethene
Concen: 0.656 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



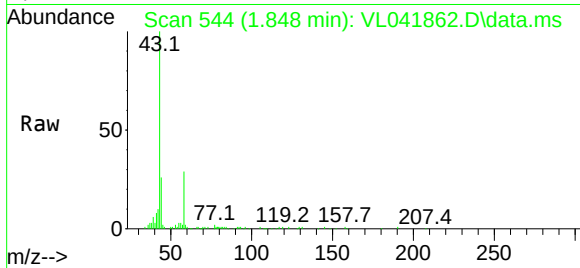
Tgt Ion:108 Resp: 3822
Ion Ratio Lower Upper
108 100
106 115.3 84.6 126.8
79 30.5 18.3 27.5





#15
Acetone
Concen: 0.579 ppbv
RT: 1.848 min Scan# 543
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

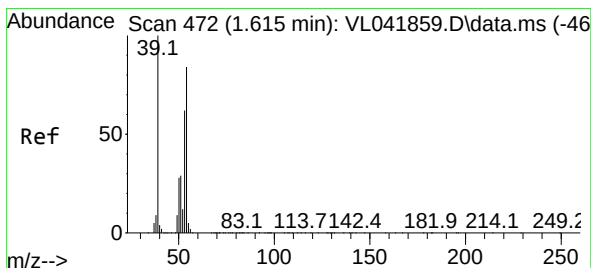
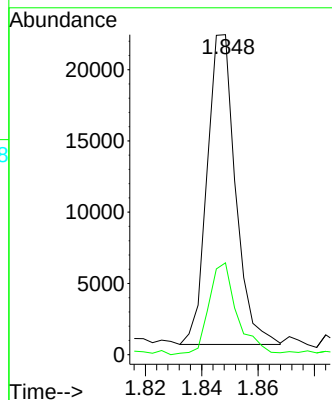
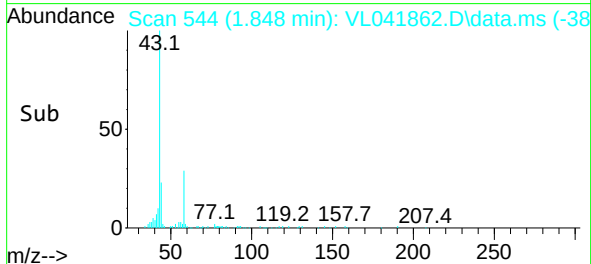
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 15259
Ion Ratio Lower Upper
43 100
58 33.9 20.2 30.2

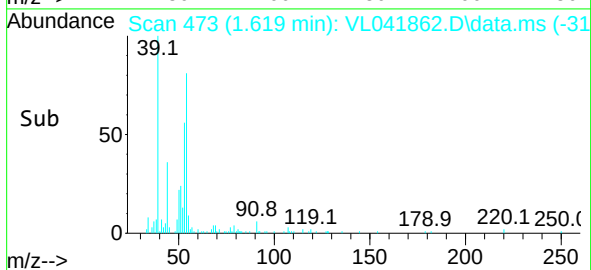
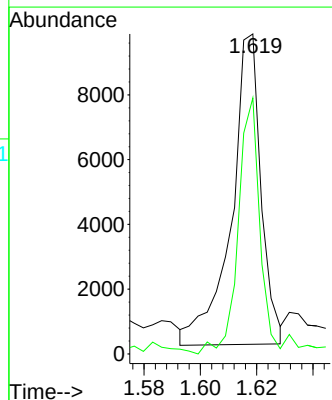
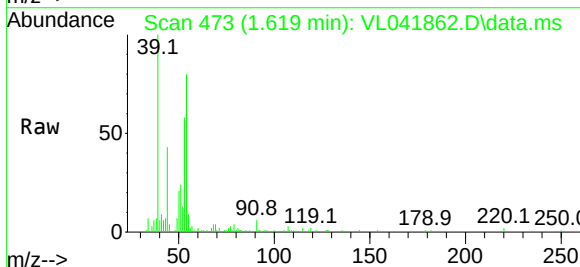
Manual Integrations
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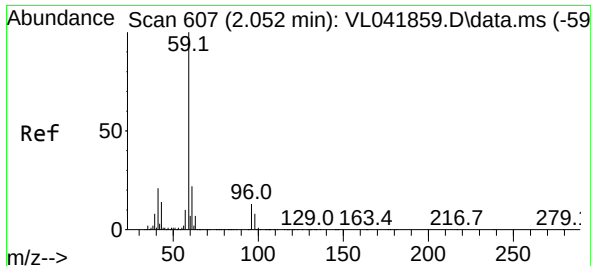
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#16
1,3-Butadiene
Concen: 0.680 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 39 Resp: 7024
Ion Ratio Lower Upper
39 100
54 69.0 56.2 84.4





#17

tert-Butyl alcohol

Concen: 0.657 ppbv

RT: 2.056 min Scan# 607

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 14992

Ion Ratio Lower Upper

59 100

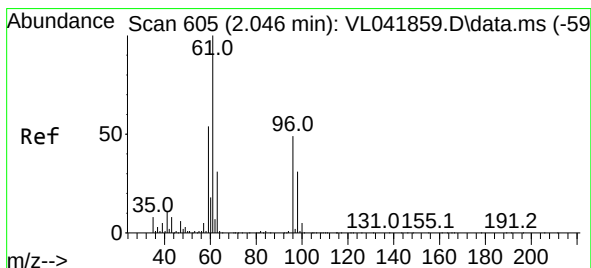
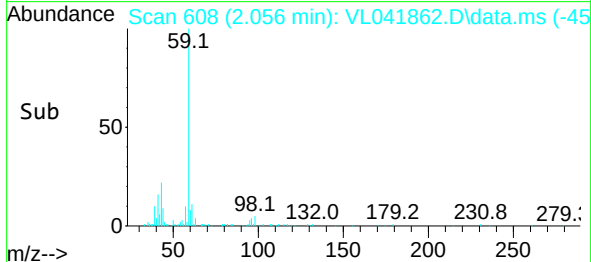
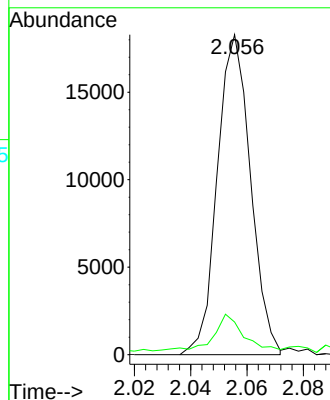
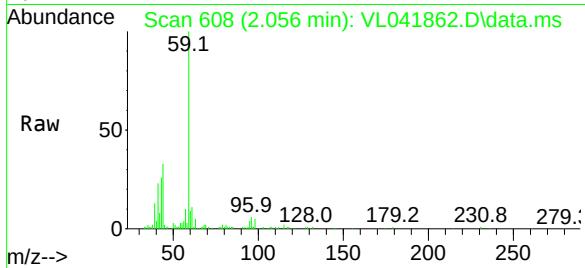
57 13.5 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 0.656 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

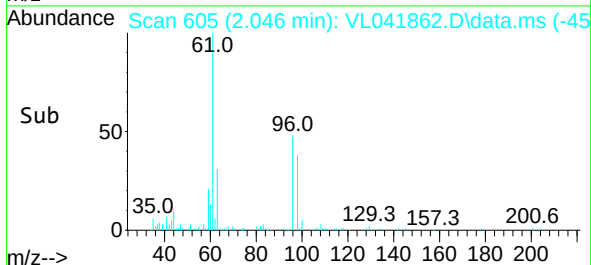
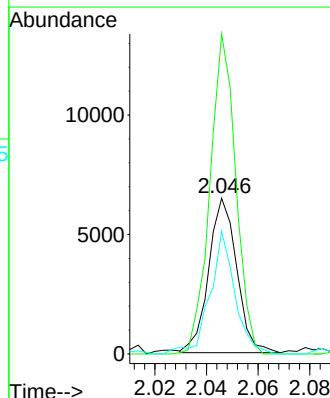
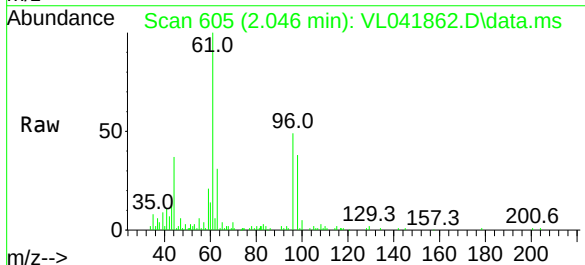
Tgt Ion: 96 Resp: 4883

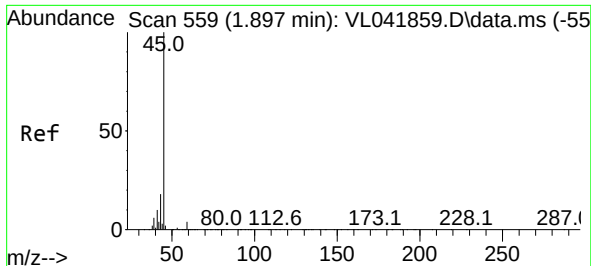
Ion Ratio Lower Upper

96 100

61 207.4 179.2 268.8

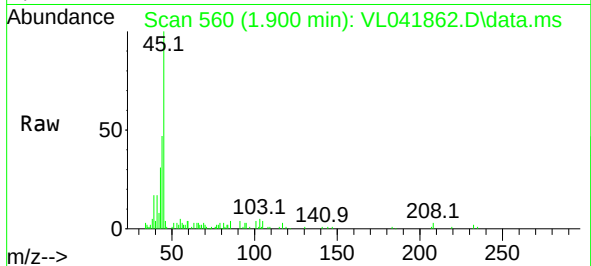
98 79.4 51.6 77.4





#19
Isopropyl Alcohol
Concen: 0.607 ppbv
RT: 1.900 min Scan# 559
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

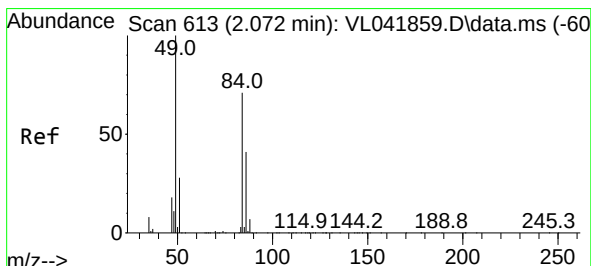
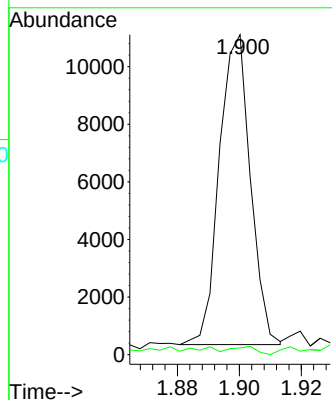
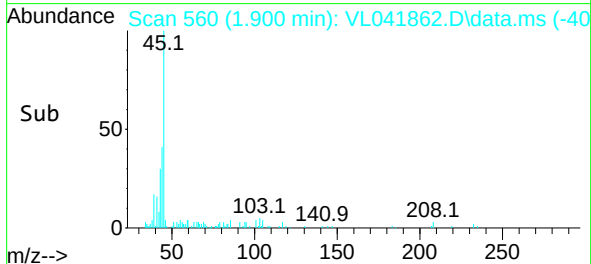
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



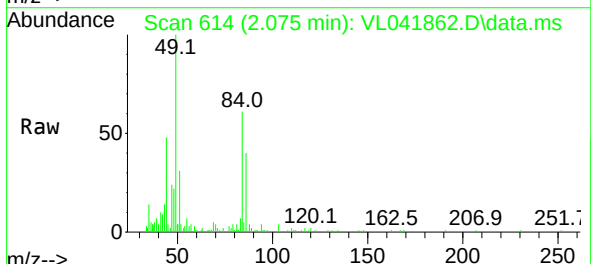
Tgt Ion: 45 Resp: 7509
Ion Ratio Lower Upper
45 100
58 4.1 2.0 3.0

Manual Integrations
APPROVED

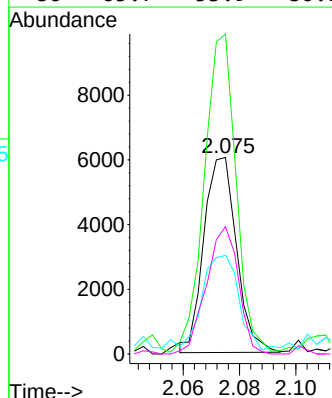
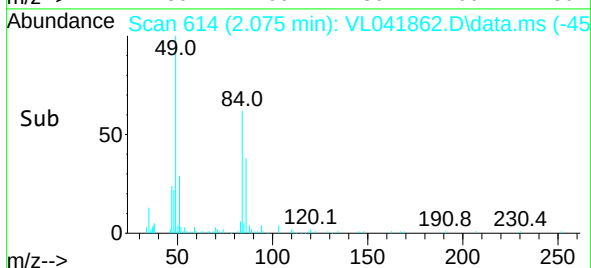
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

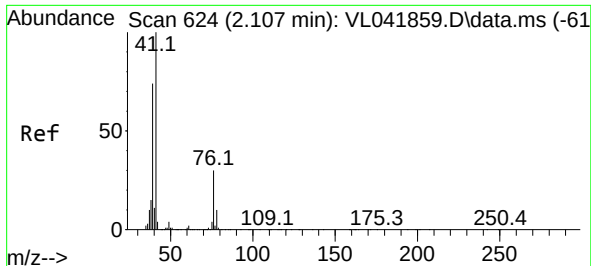


#20
Methylene Chloride
Concen: 0.644 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 84 Resp: 4849
Ion Ratio Lower Upper
84 100
49 163.2 137.8 206.8
51 54.4 43.9 65.9
86 65.7 53.9 80.9





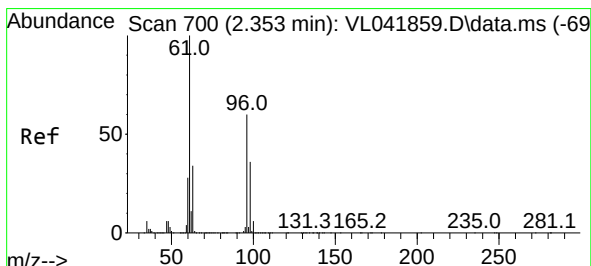
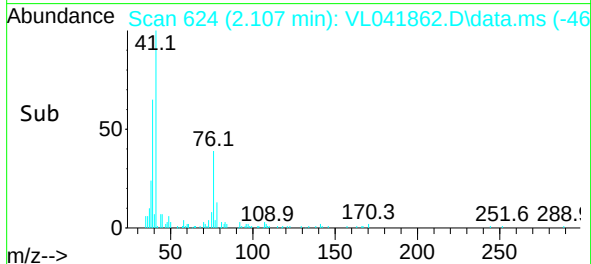
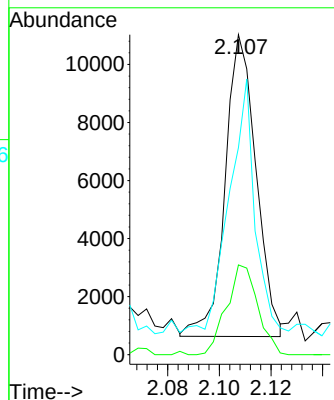
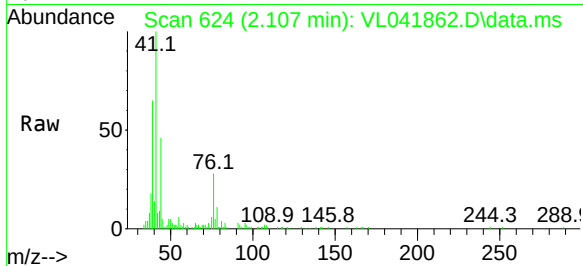
#21
 Allyl Chloride
 Concen: 0.639 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 867
 Ion Ratio Lower Upper
 41 100
 76 31.3 20.6 31.0
 39 76.8 67.4 101.2

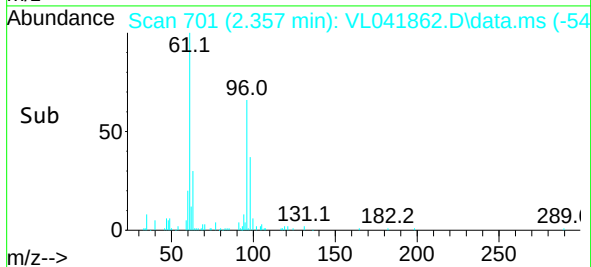
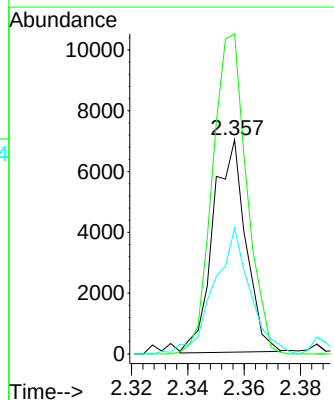
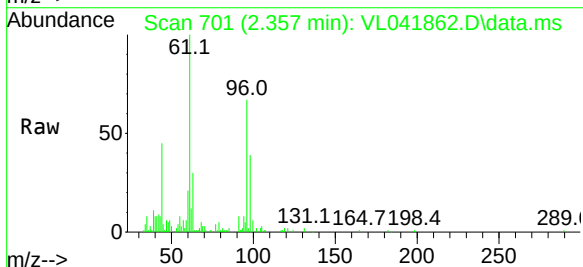
Manual Integrations
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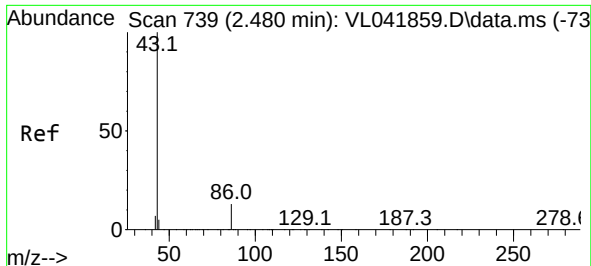
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.677 ppbv
 RT: 2.357 min Scan# 701
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

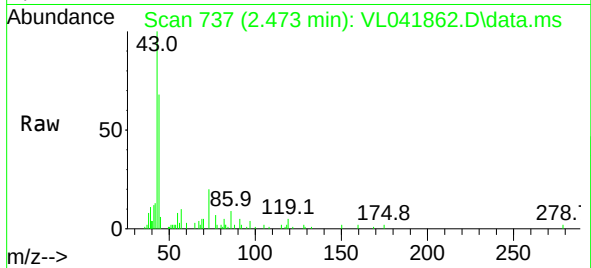
Tgt Ion: 96 Resp: 5632
 Ion Ratio Lower Upper
 96 100
 61 150.4 144.0 216.0
 98 55.2 46.9 70.3





#23
 Vinyl Acetate
 Concen: 0.633 ppbv m
 RT: 2.473 min Scan# 739
 Delta R.T. 0.000 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

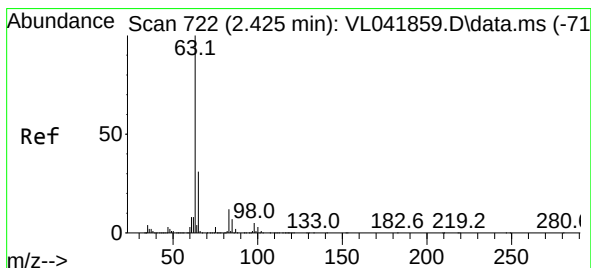
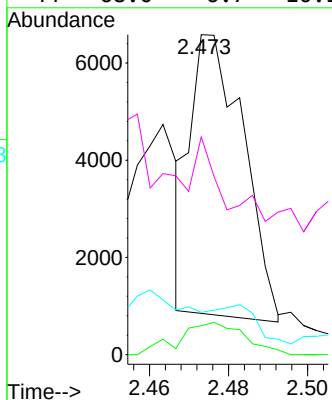
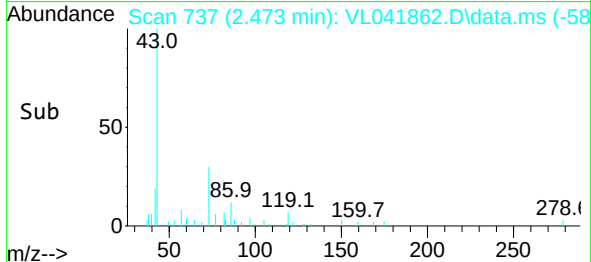
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



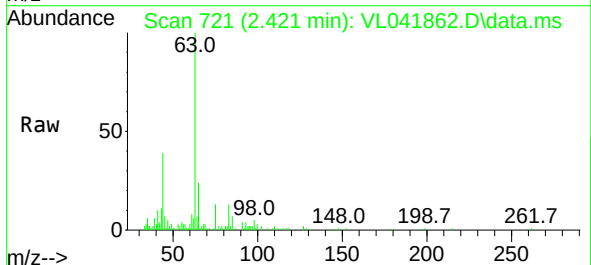
Tgt Ion: 43 Resp: 5348
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.4 9.6
 42 13.2 9.5 14.3
 44 68.0 6.7 10.1#

Manual Integrations
 APPROVED

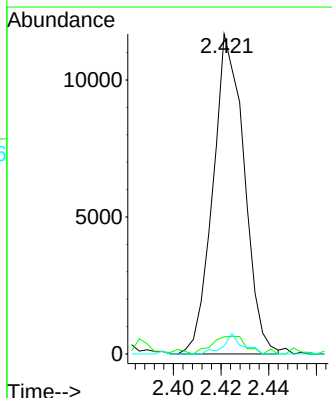
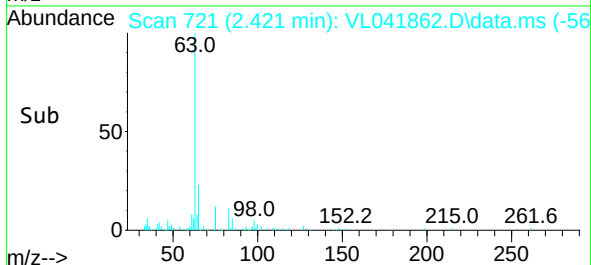
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

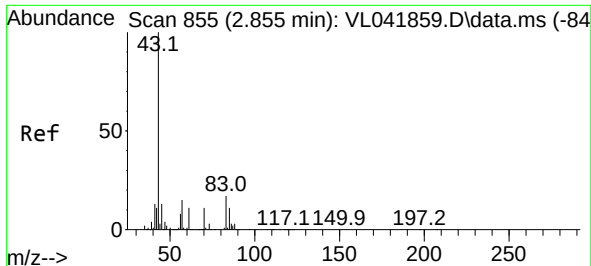


#24
 1,1-Dichloroethane
 Concen: 0.583 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53



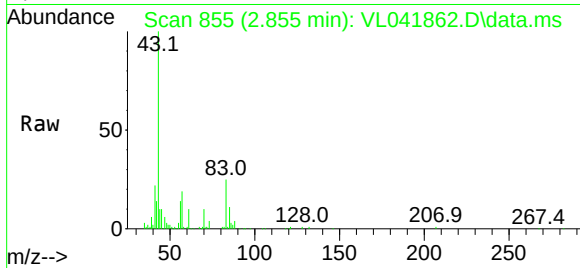
Tgt Ion: 63 Resp: 10611
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.3 6.9
 100 2.5 1.4 4.0





#25
Ethyl Acetate
Concen: 0.712 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

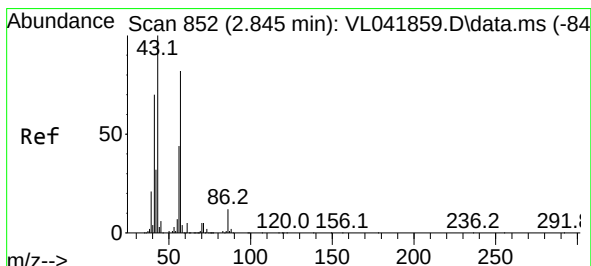
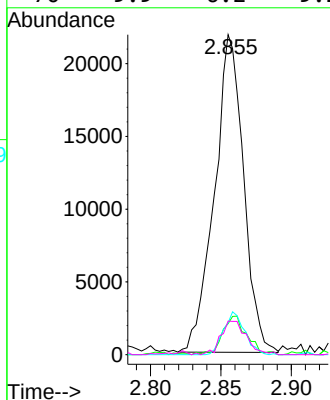
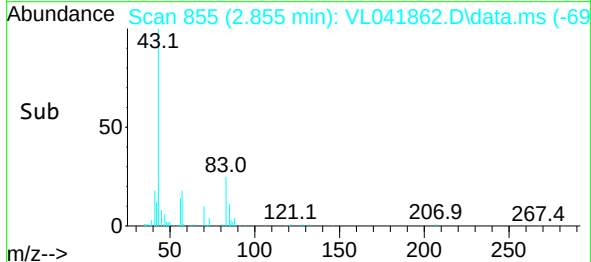
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



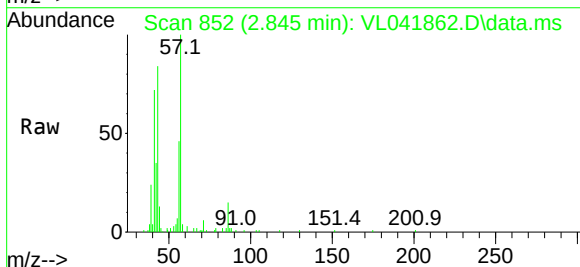
Tgt Ion:	43	Resp:	3145
Ion	Ratio	Lower	Upper
43	100		
45	10.4	7.8	11.8
61	9.9	7.0	10.6
70	9.9	6.2	9.2

Manual Integrations
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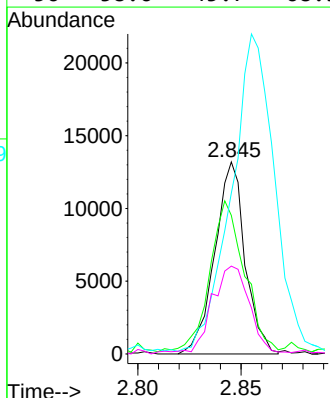
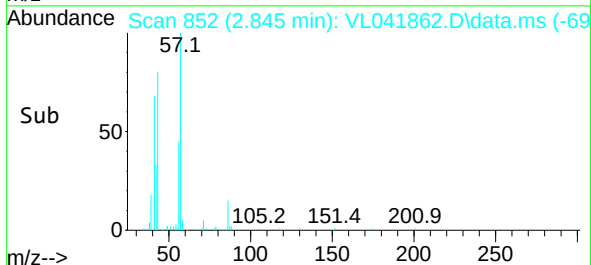
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

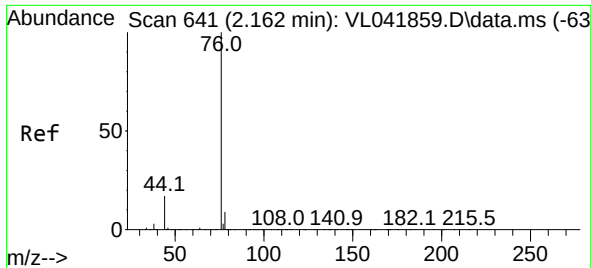


#26
Hexane
Concen: 0.877 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



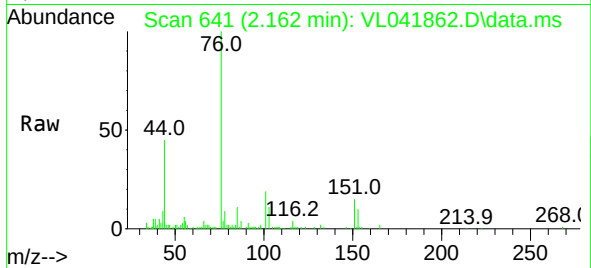
Tgt Ion:	57	Resp:	13451
Ion	Ratio	Lower	Upper
57	100		
41	95.0	84.1	126.1
43	240.2	218.4	327.6
56	58.6	45.7	68.5





#27
Carbon Disulfide
Concen: 0.856 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

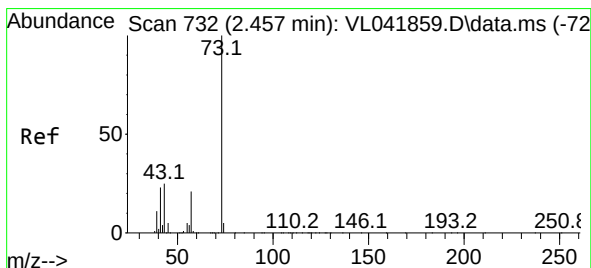
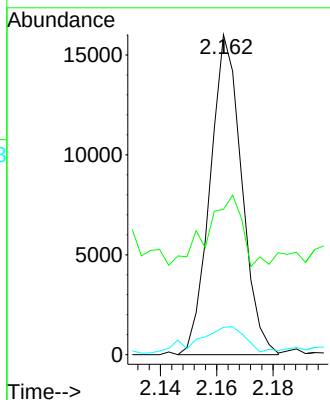
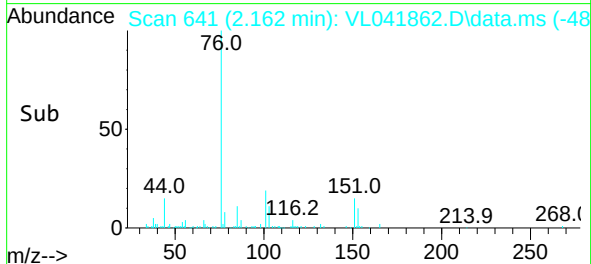
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



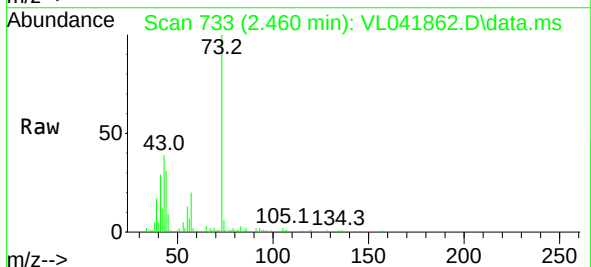
Tgt Ion: 76 Resp: 12460
Ion Ratio Lower Upper
76 100
44 49.1 19.8 29.8
78 18.2 9.8 14.8

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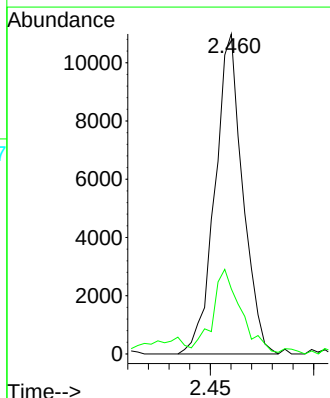
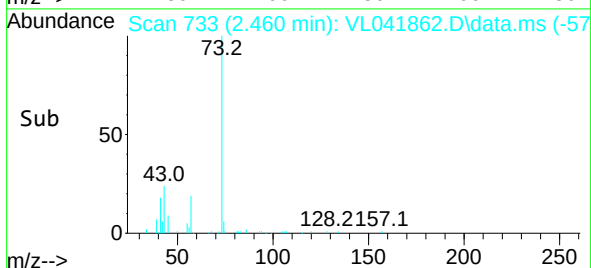
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

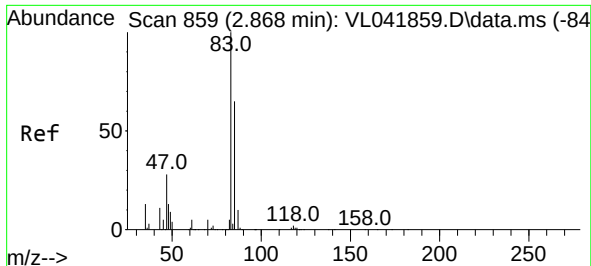


#28
Methyl tert-Butyl Ether
Concen: 0.887 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 73 Resp: 10251
Ion Ratio Lower Upper
73 100
57 33.2 18.4 27.6





#29

Chloroform

Concen: 0.643 ppbv

RT: 2.865 min Scan# 859

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 18310

Ion Ratio Lower Upper

83 100

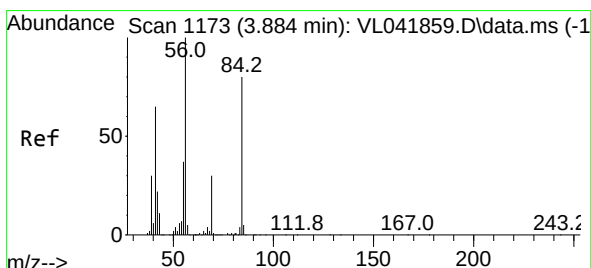
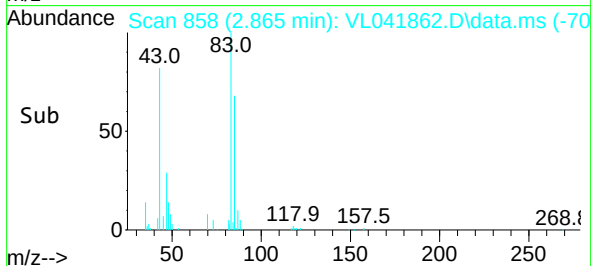
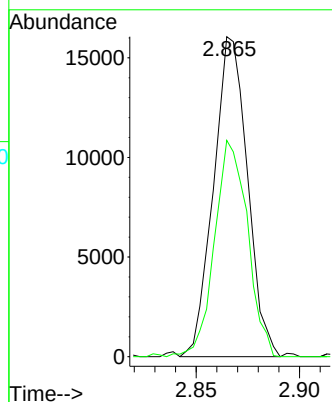
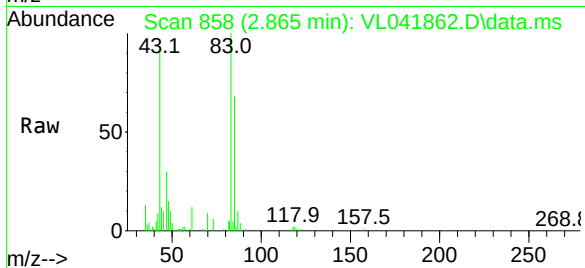
85 67.6 49.6 74.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#30

Cyclohexane

Concen: 0.949 ppbv m

RT: 3.884 min Scan# 1173

Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

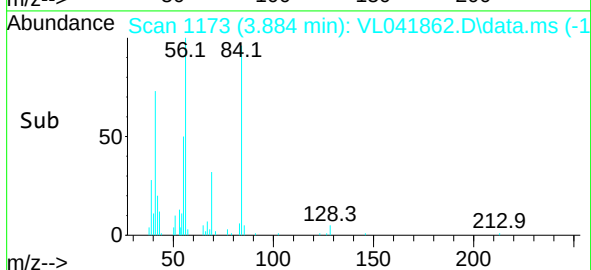
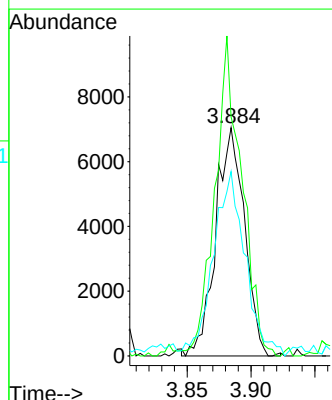
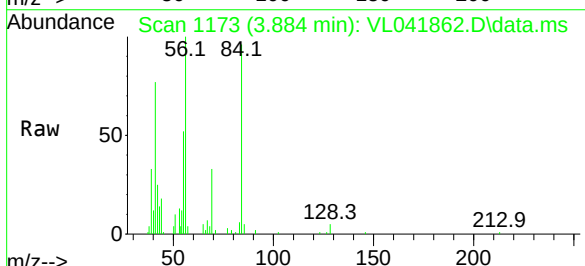
Tgt Ion: 84 Resp: 11047

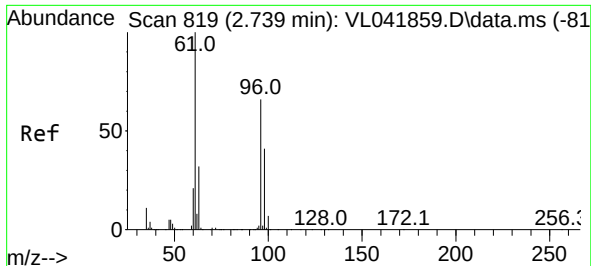
Ion Ratio Lower Upper

84 100

56 133.1 105.0 157.6

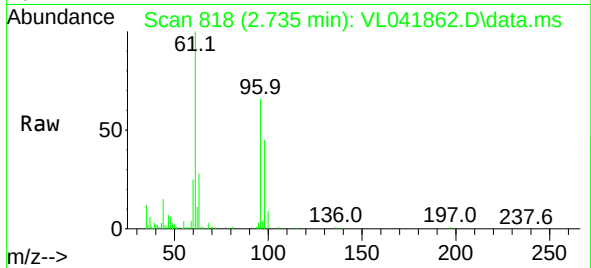
41 89.3 78.9 118.3





#31
 cis-1,2-Dichloroethene
 Concen: 0.826 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. 0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

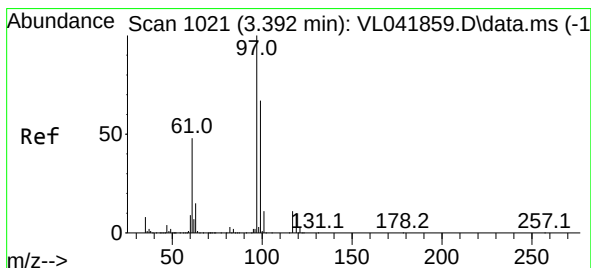
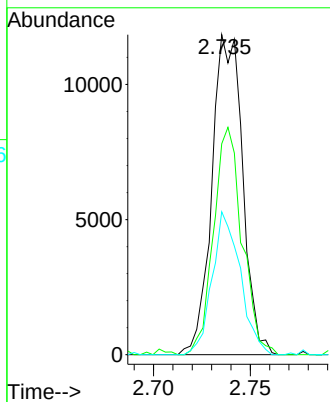
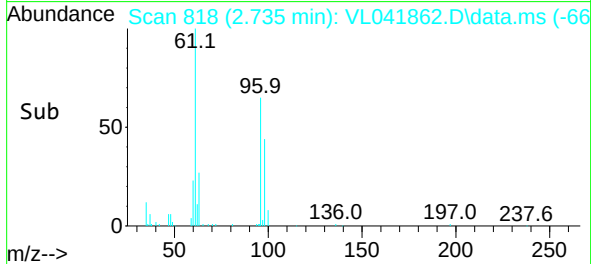
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5



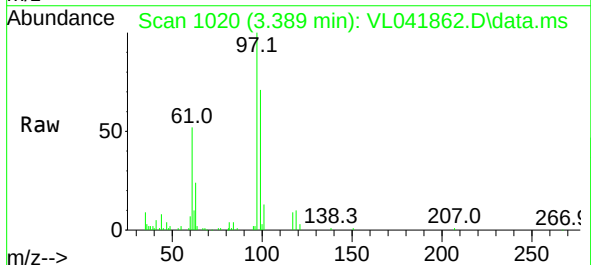
Tgt Ion: 61 Resp: 13049
 Ion Ratio Lower Upper
 61 100
 96 65.9 47.6 71.4
 98 44.7 30.2 45.2

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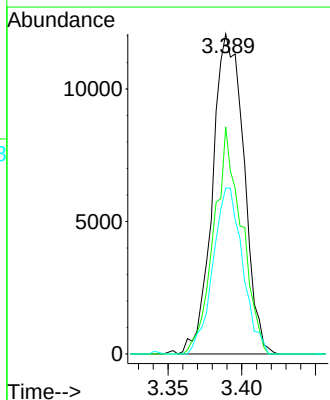
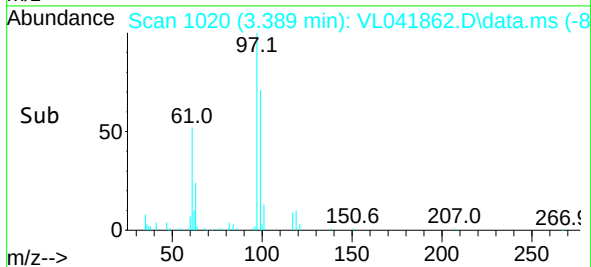
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

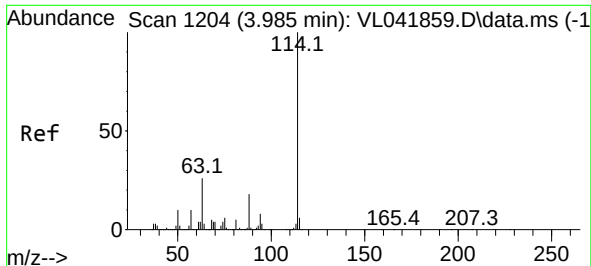


#32
 1,1,1-Trichloroethane
 Concen: 0.690 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53



Tgt Ion: 97 Resp: 17819
 Ion Ratio Lower Upper
 97 100
 99 62.8 50.6 76.0
 61 49.4 45.0 67.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.985 min Scan# 114

Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

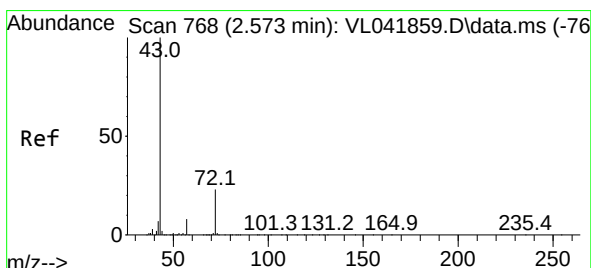
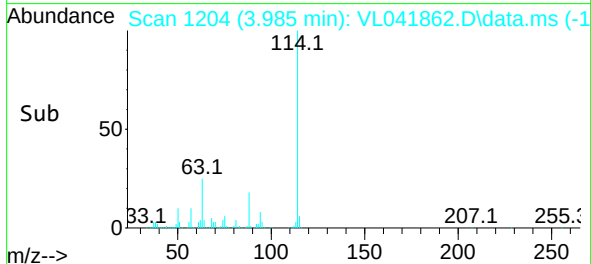
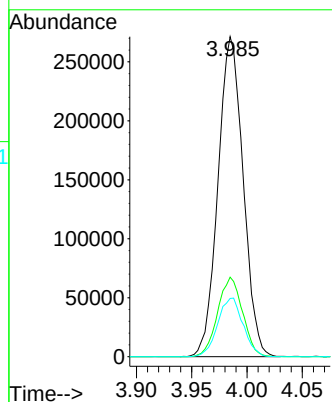
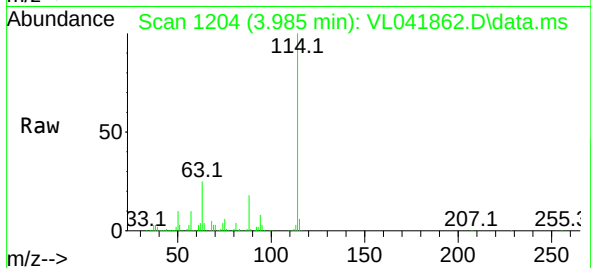
VSTDICC0.5

Tgt Ion:114 Resp: 42932
 Ion Ratio Lower Upper
 114 100
 63 24.6 22.3 33.5
 88 18.5 14.9 22.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 0.562 ppbv

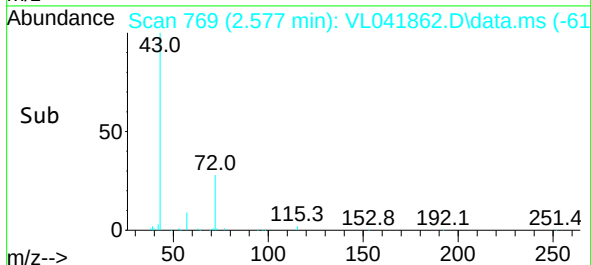
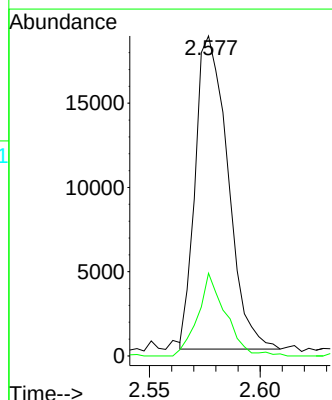
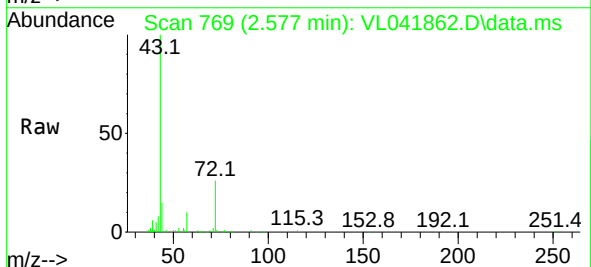
RT: 2.577 min Scan# 769

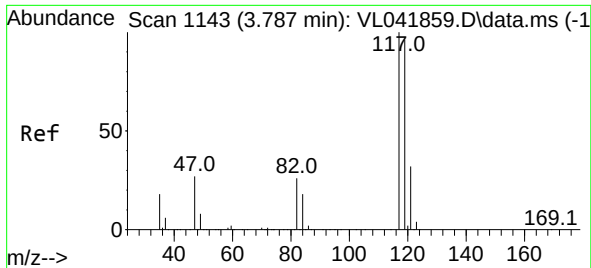
Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

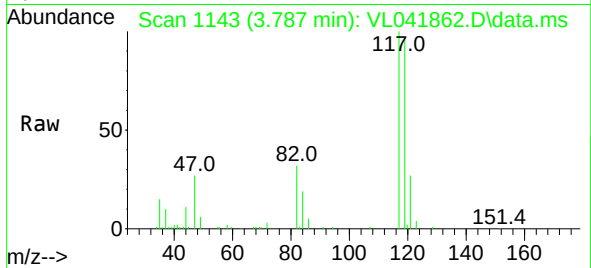
Tgt Ion: 43 Resp: 19019
 Ion Ratio Lower Upper
 43 100
 72 22.6 16.6 25.0





#35
Carbon Tetrachloride
Concen: 0.485 ppbv
RT: 3.787 min Scan# 1143
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

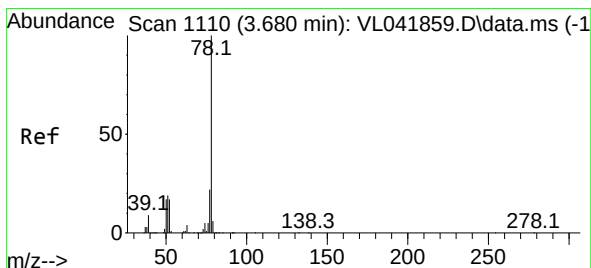
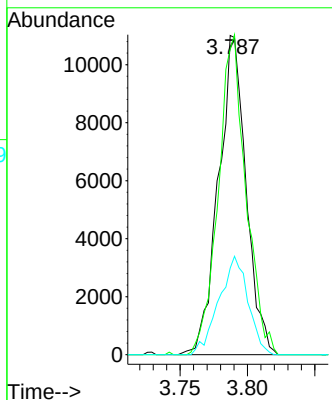
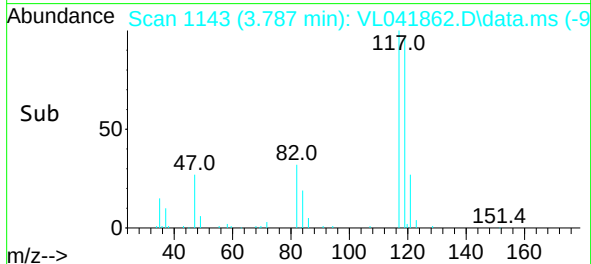
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



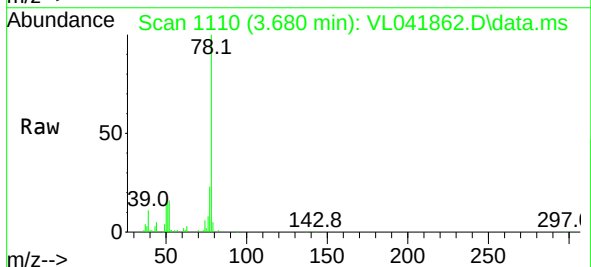
Tgt Ion: 117 Resp: 1573
Ion Ratio Lower Upper
117 100
119 95.7 79.1 118.7
121 27.1 24.2 36.2

Manual Integrations
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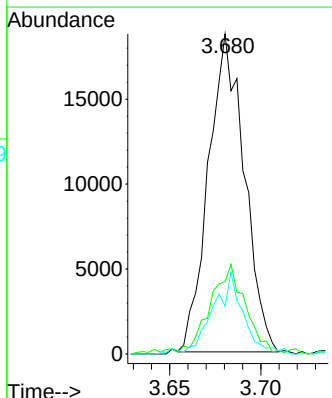
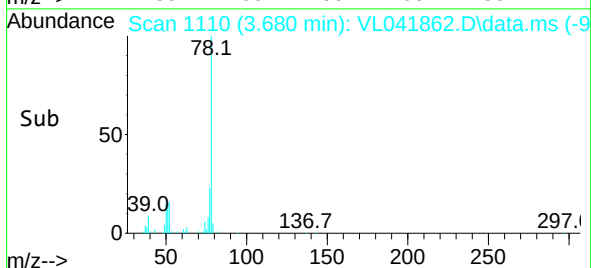
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

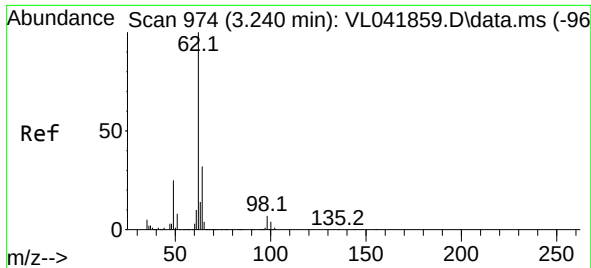


#36
Benzene
Concen: 0.625 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



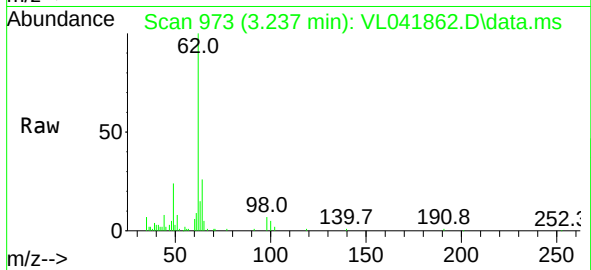
Tgt Ion: 78 Resp: 25621
Ion Ratio Lower Upper
78 100
77 22.2 17.4 26.0
50 14.1 17.3 25.9#





#37
1,2-Dichloroethane
Concen: 0.535 ppbv
RT: 3.237 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

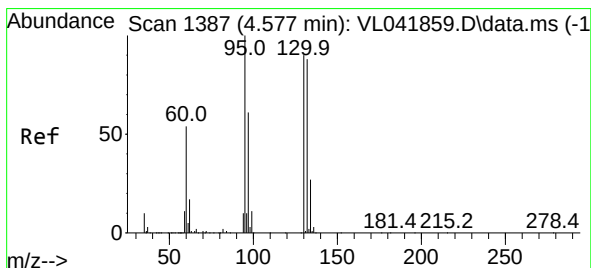
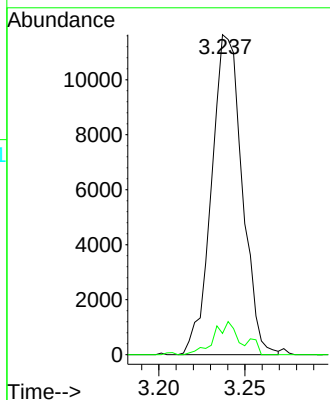
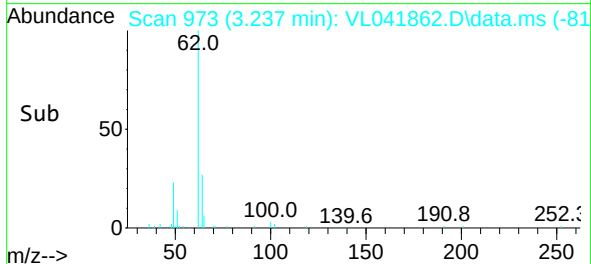
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



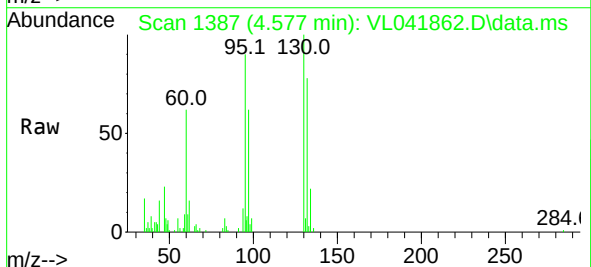
Tgt Ion: 62 Resp: 14429
Ion Ratio Lower Upper
62 100
98 9.4 4.8 7.2

Manual Integrations
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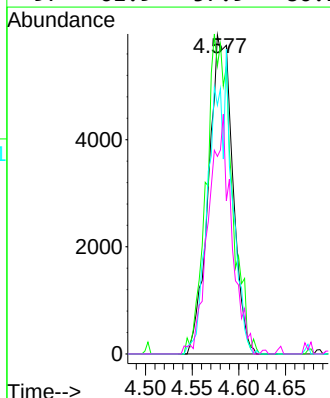
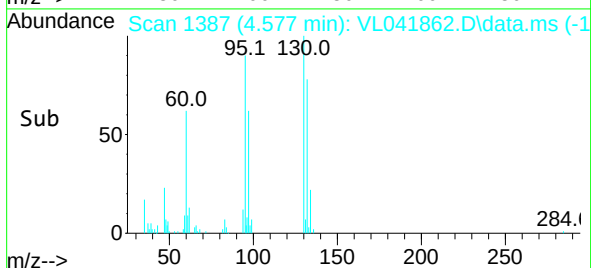
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

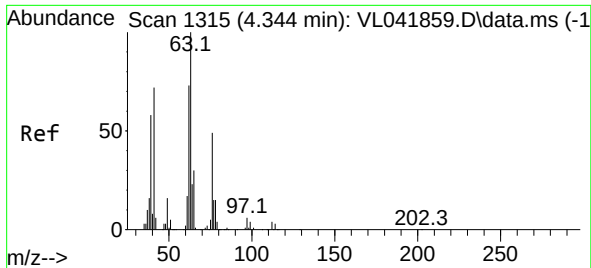


#38
Trichloroethene
Concen: 0.667 ppbv m
RT: 4.577 min Scan# 1387
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion:130 Resp: 10721
Ion Ratio Lower Upper
130 100
95 90.3 90.1 135.1
132 78.0 71.8 107.8
97 61.9 57.9 86.9





#39

1,2-Dichloropropane

Concen: 0.591 ppbv m

RT: 4.350 min Scan# 1

Delta R.T. 0.016 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

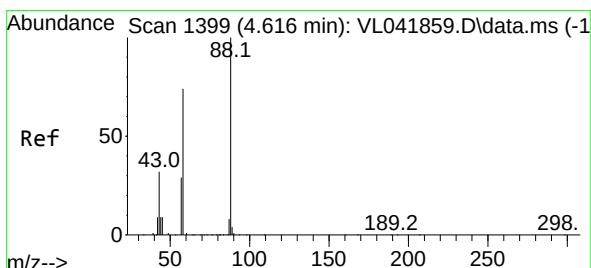
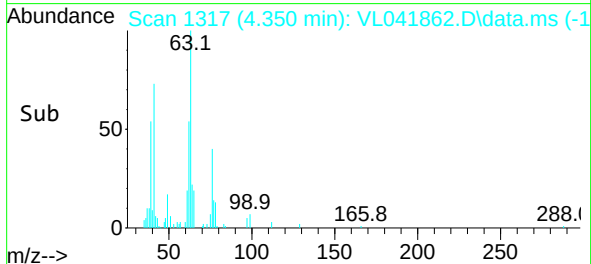
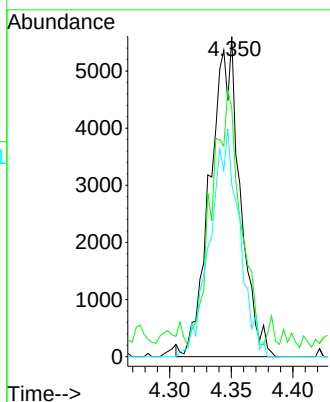
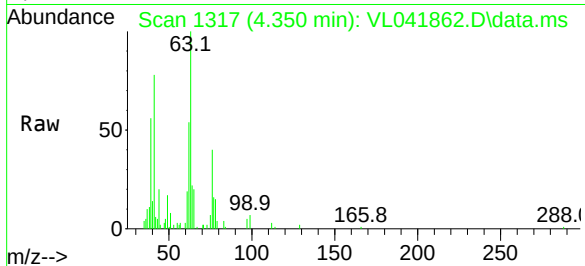
Tgt Ion: 63 Resp: 9384

Ion	Ratio	Lower	Upper
63	100		
41	77.6	77.7	116.5
62	53.7	56.2	84.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 0.806 ppbv m

RT: 4.638 min Scan# 1406

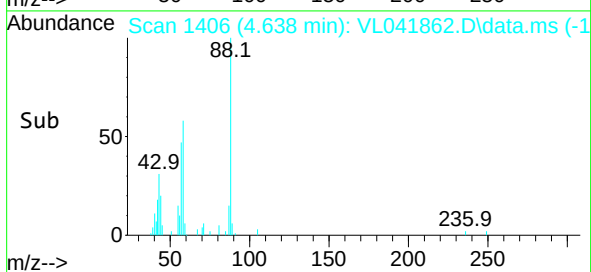
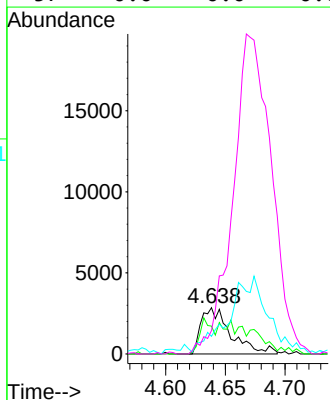
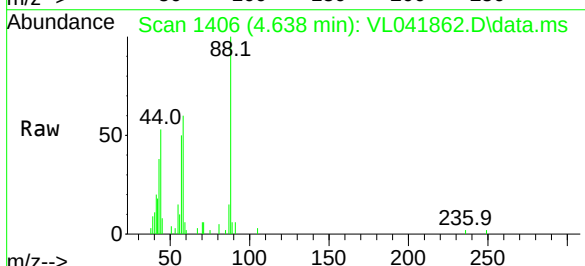
Delta R.T. 0.032 min

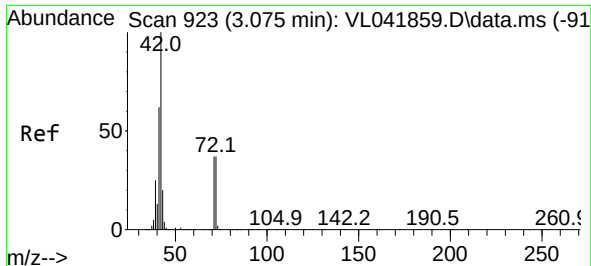
Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion: 88 Resp: 4958

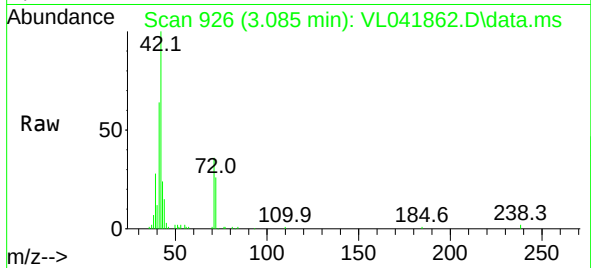
Ion	Ratio	Lower	Upper
88	100		
58	53.7	65.1	97.7#
43	0.0	32.1	48.1#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.715 ppbv
RT: 3.085 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

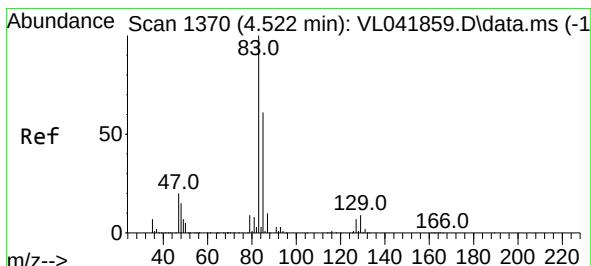
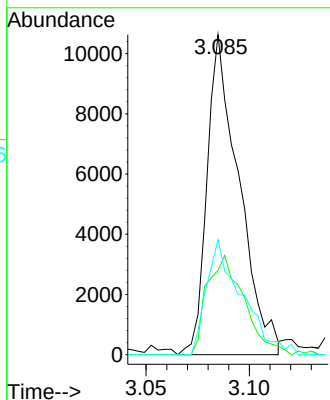
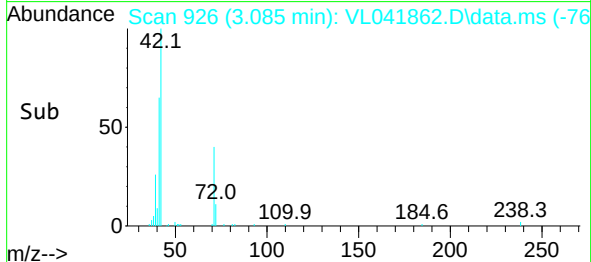
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 42 Resp: 11404
Ion Ratio Lower Upper
42 100
72 36.8 27.9 41.9
71 39.9 26.5 39.7

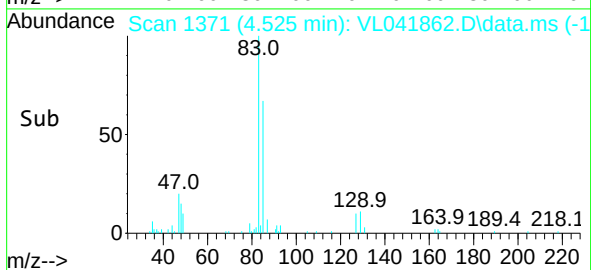
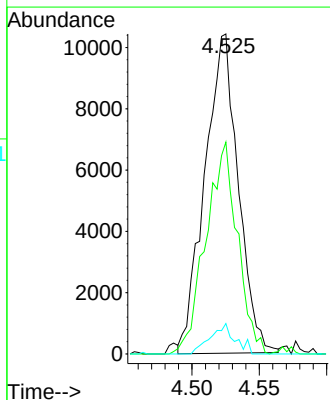
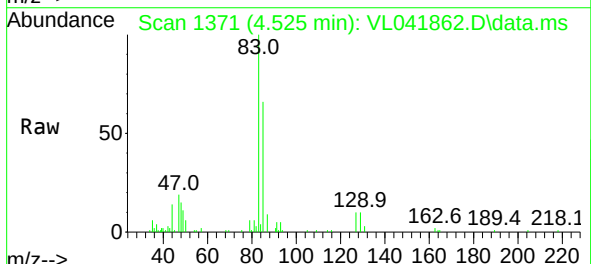
Manual Integrations
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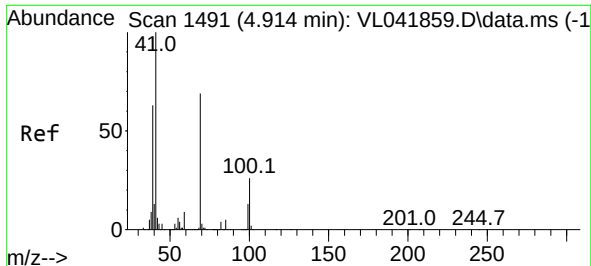
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#42
Bromodichloromethane
Concen: 0.569 ppbv
RT: 4.525 min Scan# 1371
Delta R.T. 0.013 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 83 Resp: 18000
Ion Ratio Lower Upper
83 100
85 66.5 51.3 76.9
127 9.6 5.6 8.4





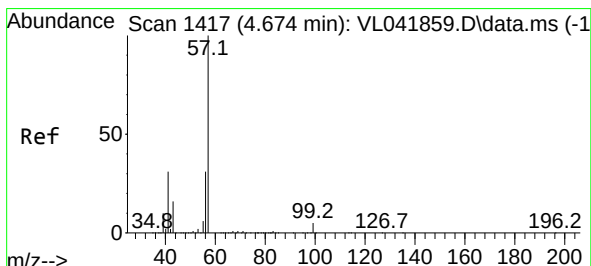
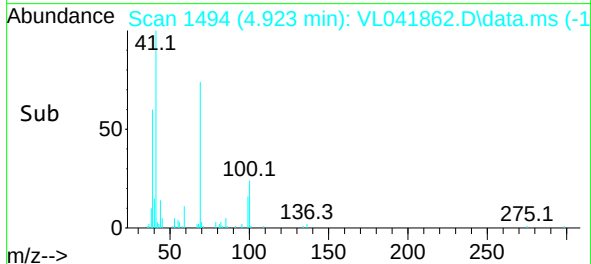
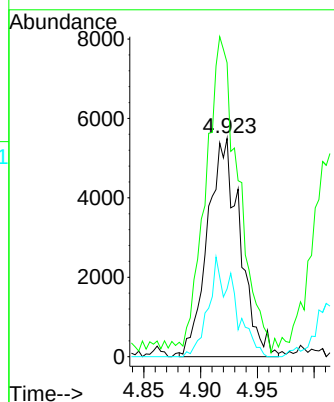
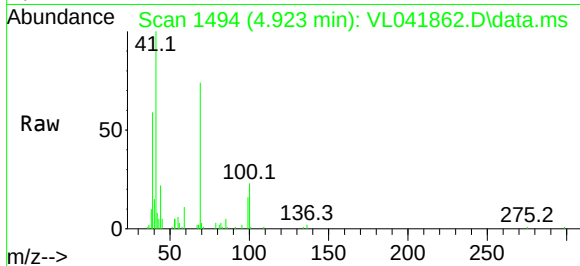
#43
Methyl Methacrylate
Concen: 0.851 ppbv m
RT: 4.923 min Scan# 1491
Delta R.T. 0.019 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 69 Resp: 1096
Ion Ratio Lower Upper
69 100
41 145.4 132.3 198.5
100 36.6 28.2 42.4

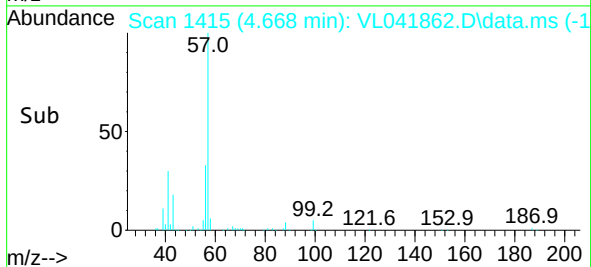
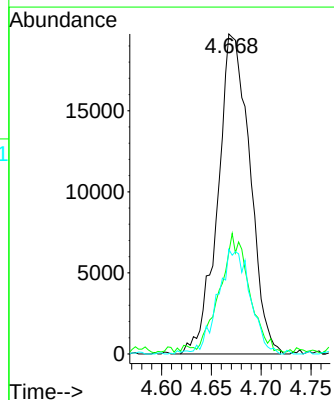
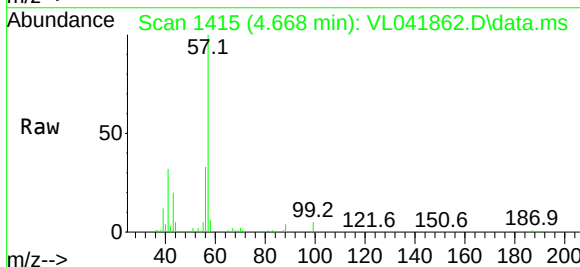
Manual Integrations
APPROVED

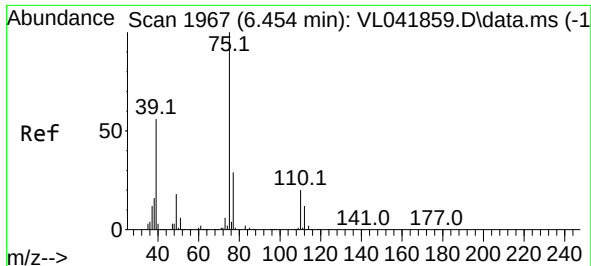
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#44
2,2,4-Trimethylpentane
Concen: 0.653 ppbv m
RT: 4.668 min Scan# 1415
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

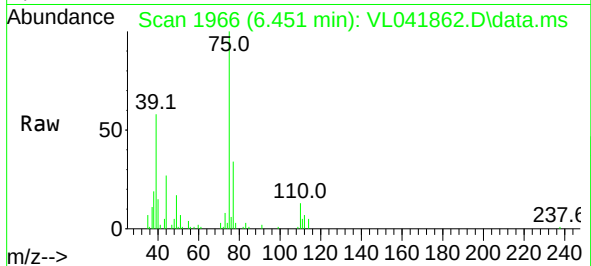
Tgt Ion: 57 Resp: 44153
Ion Ratio Lower Upper
57 100
41 34.9 31.4 47.2
56 33.5 26.6 39.8





#45
 t-1,3-Dichloropropene
 Concen: 0.844 ppbv
 RT: 6.451 min Scan# 1966
 Delta R.T. 0.013 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

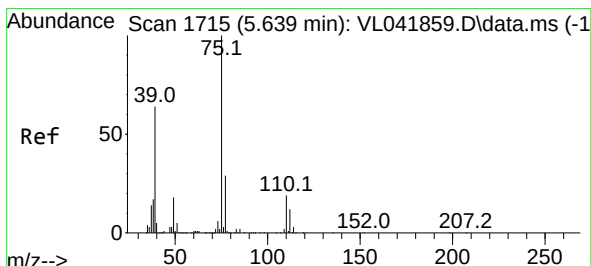
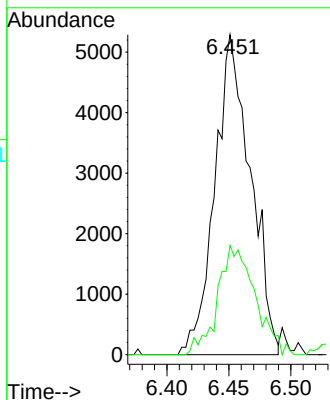
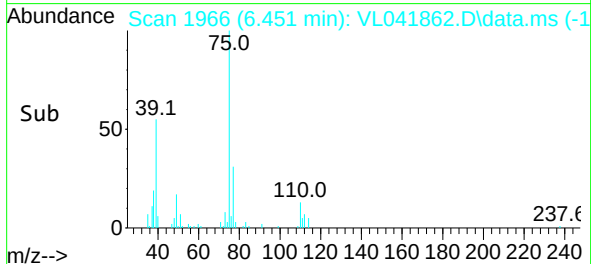
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



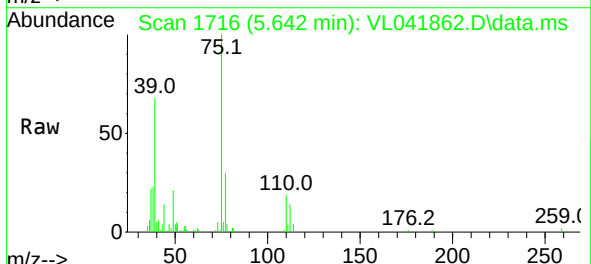
Tgt Ion: 75 Resp: 10609
 Ion Ratio Lower Upper
 75 100
 77 34.1 22.2 33.4

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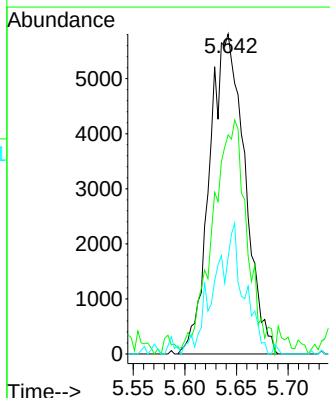
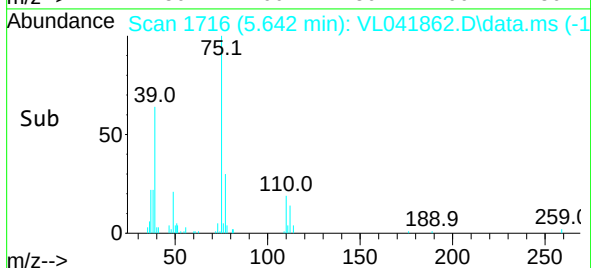
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

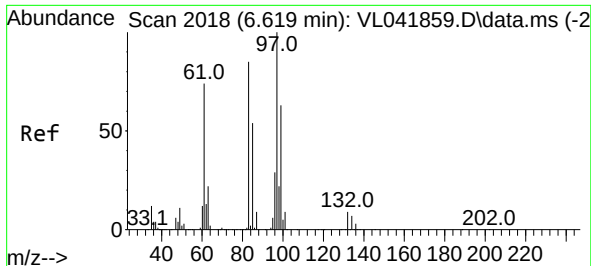


#46
 cis-1,3-Dichloropropene
 Concen: 0.832 ppbv
 RT: 5.642 min Scan# 1716
 Delta R.T. 0.010 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53



Tgt Ion: 75 Resp: 13758
 Ion Ratio Lower Upper
 75 100
 39 66.6 63.3 94.9
 77 28.6 23.5 35.3





#47

1,1,2-Trichloroethane

Concen: 0.589 ppbv m

RT: 6.626 min Scan# 2018

Delta R.T. 0.019 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

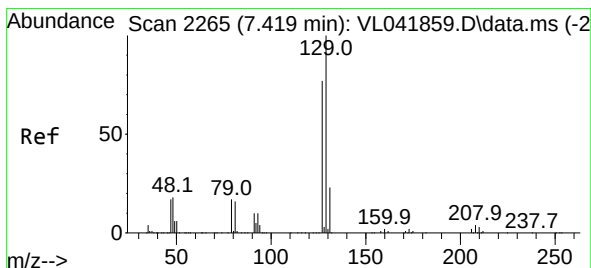
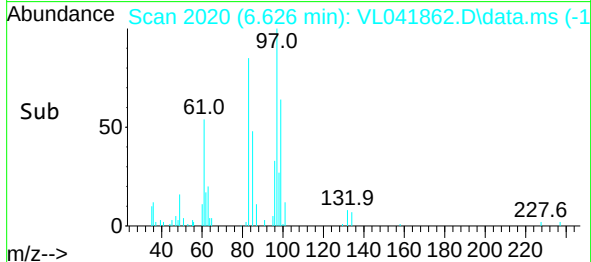
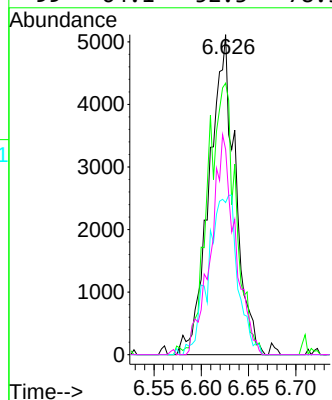
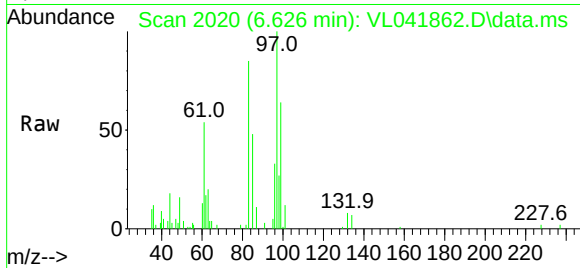
VSTDIC0.5

Tgt Ion: 97	Resp: 988
Ion Ratio	Lower Upper
97 100	
83 84.8	70.3 105.5
85 47.6	41.5 62.3
99 64.1	52.3 78.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#48

Dibromochloromethane

Concen: 0.640 ppbv

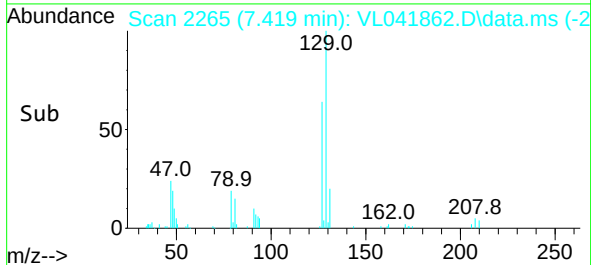
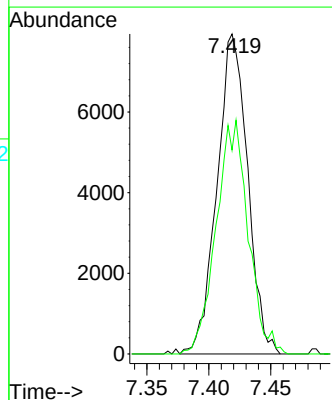
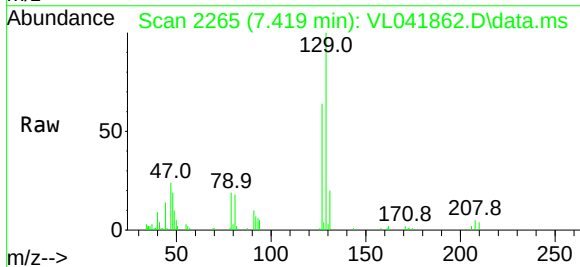
RT: 7.419 min Scan# 2265

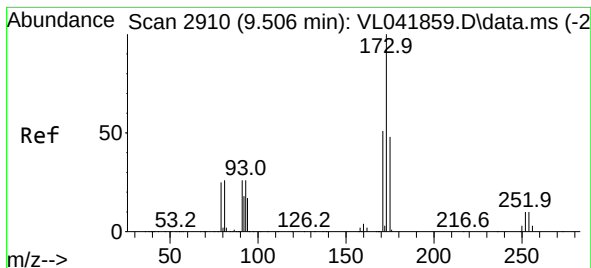
Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:129	Resp: 13671
Ion Ratio	Lower Upper
129 100	
127 76.3	38.7 116.1





#49

Bromoform

Concen: 0.654 ppbv

RT: 9.510 min Scan# 2910

Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

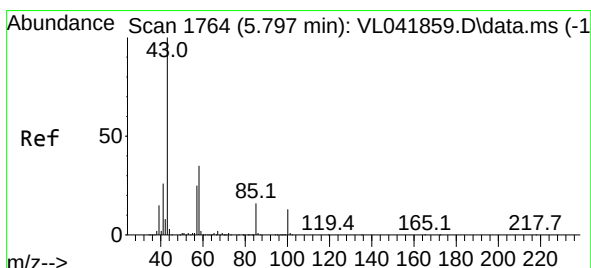
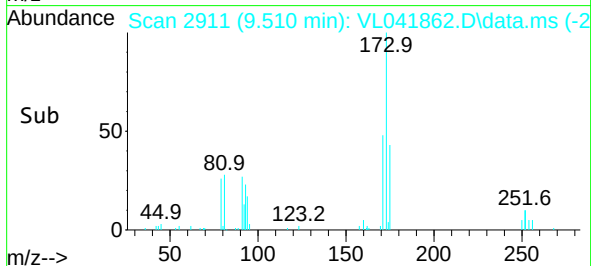
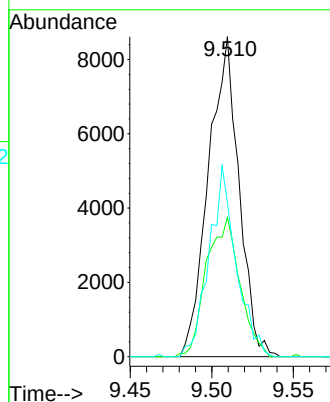
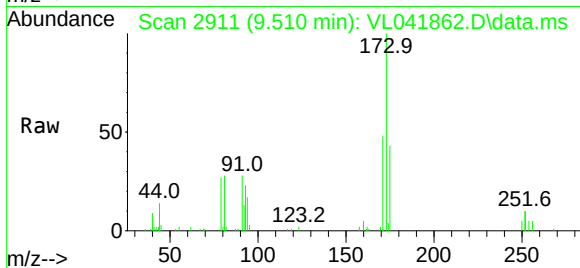
VSTDICC0.5

Tgt Ion:	173	Resp:	1120
Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.5	59.3
171	53.0	41.5	62.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#50

4-Methyl-2-Pentanone

Concen: 0.685 ppbv m

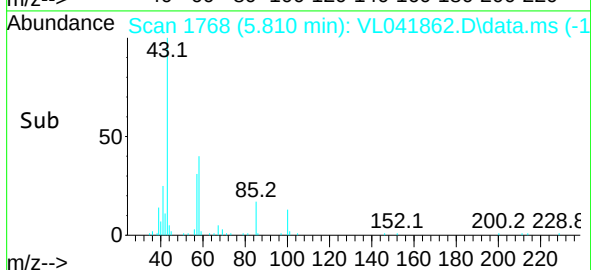
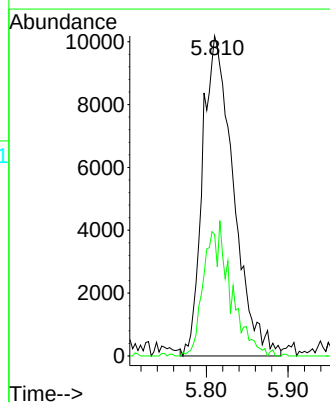
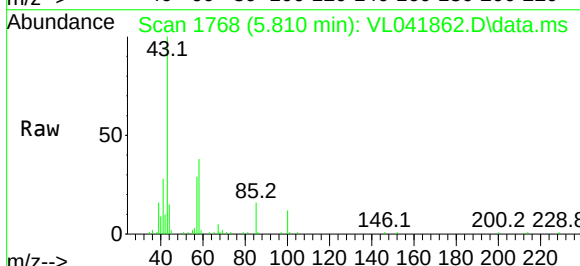
RT: 5.810 min Scan# 1768

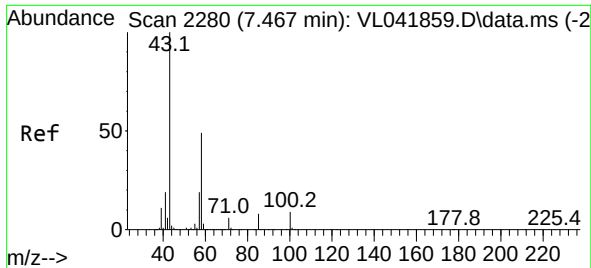
Delta R.T. 0.026 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

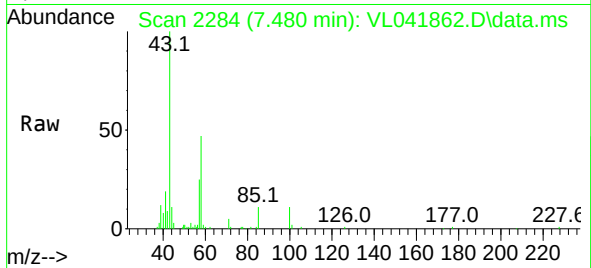
Tgt Ion:	43	Resp:	26751
Ion	Ratio	Lower	Upper
43	100		
58	0.0	25.7	38.5





#51
2-Hexanone
Concen: 0.750 ppbv
RT: 7.480 min Scan# 2188
Delta R.T. 0.023 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

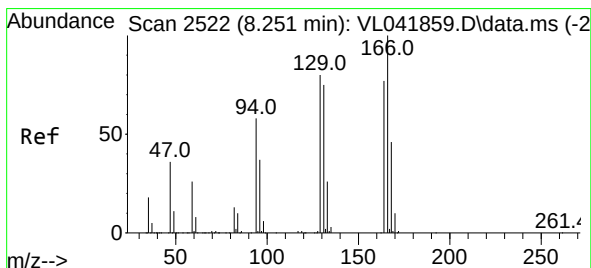
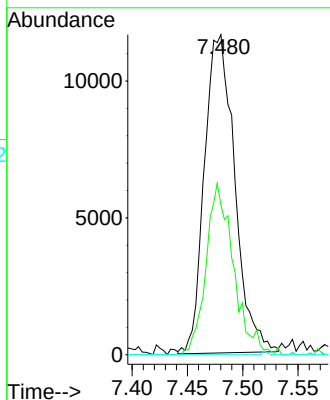
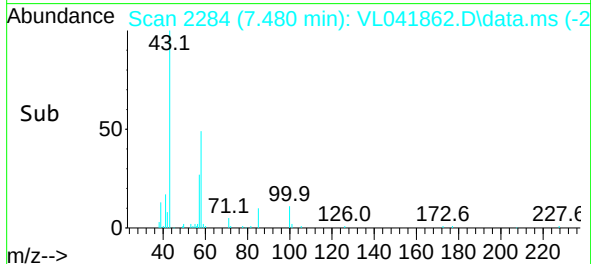
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



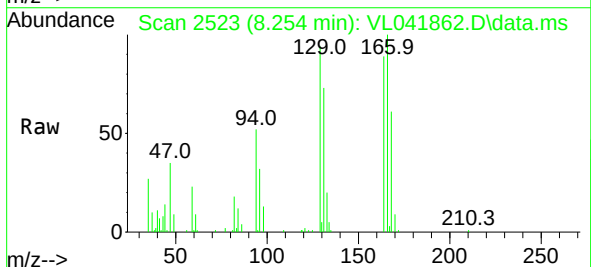
Tgt Ion: 43 Resp: 22189
Ion Ratio Lower Upper
43 100
58 48.7 33.8 50.8
98 0.2 0.7 1.1

Manual Integrations
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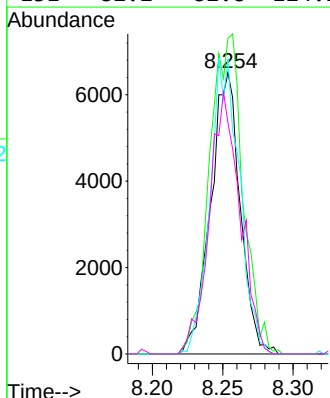
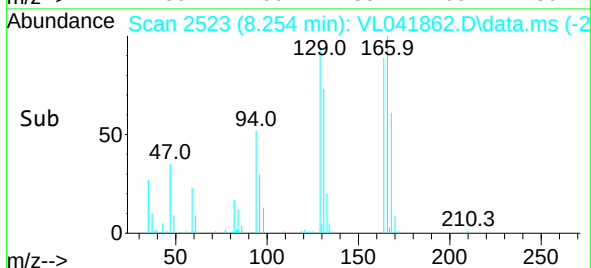
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

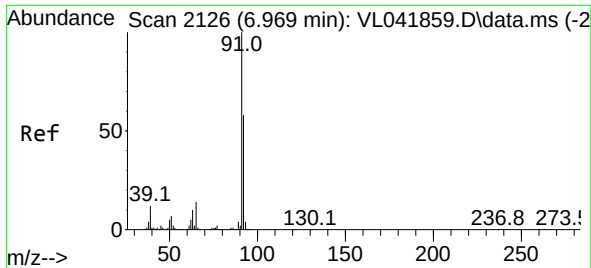


#52
Tetrachloroethene
Concen: 0.785 ppbv
RT: 8.254 min Scan# 2523
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



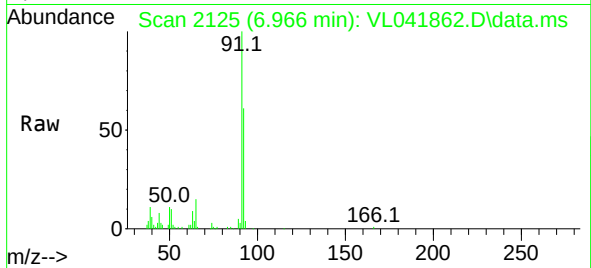
Tgt Ion:164 Resp: 9543
Ion Ratio Lower Upper
164 100
166 112.2 100.4 150.6
129 105.0 85.9 128.9
131 82.2 82.8 124.2





#53
Toluene
Concen: 0.847 ppbv
RT: 6.966 min Scan# 2125
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

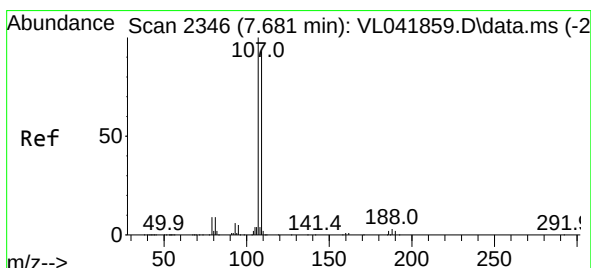
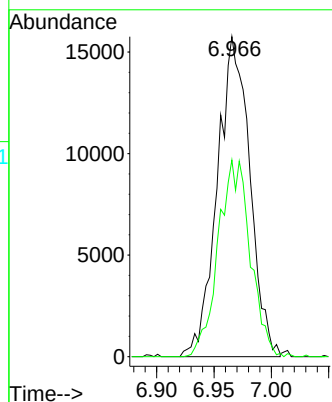
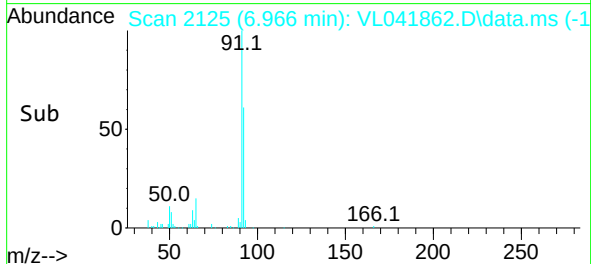
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



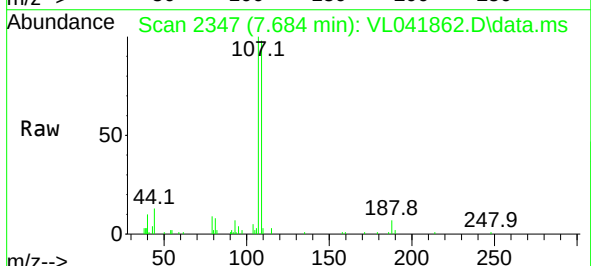
Tgt Ion: 91 Resp: 3096
Ion Ratio Lower Upper
91 100
92 60.9 47.8 71.6

Manual Integrations
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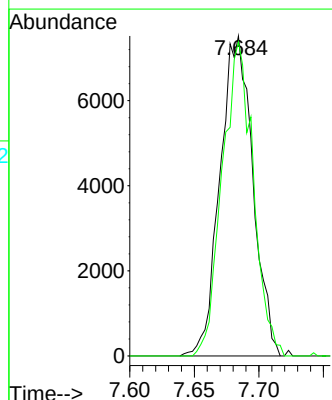
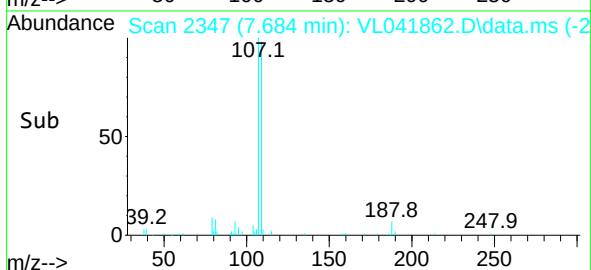
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

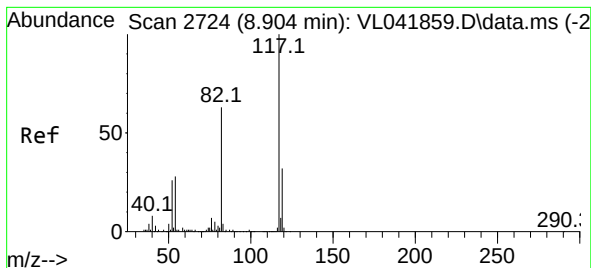


#54
1,2-Dibromoethane
Concen: 0.646 ppbv
RT: 7.684 min Scan# 2347
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion:107 Resp: 13281
Ion Ratio Lower Upper
107 100
109 98.2 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

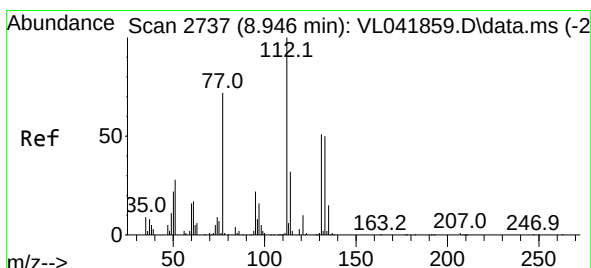
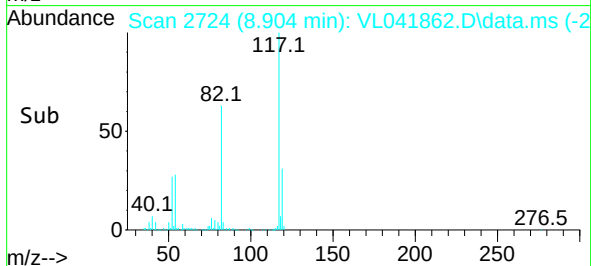
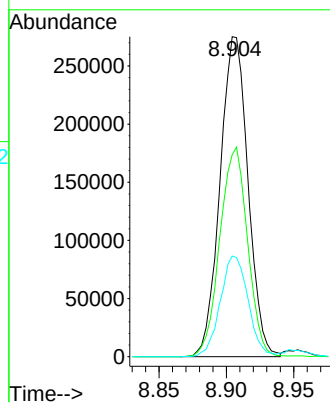
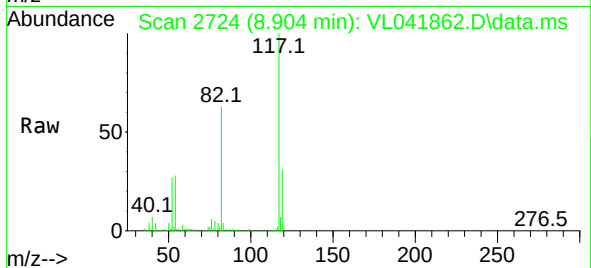
Tgt Ion:117 Resp: 39728

Ion	Ratio	Lower	Upper
117	100		
82	65.1	59.1	88.7
119	31.6	27.3	40.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.543 ppbv

RT: 8.950 min Scan# 2738

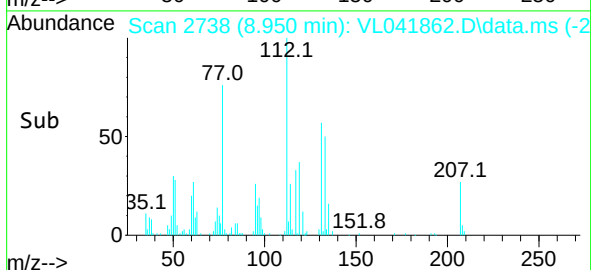
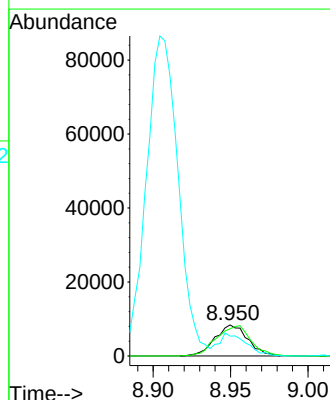
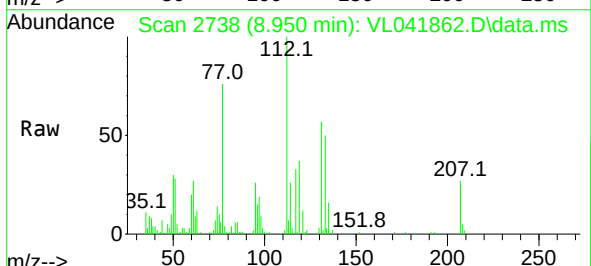
Delta R.T. 0.010 min

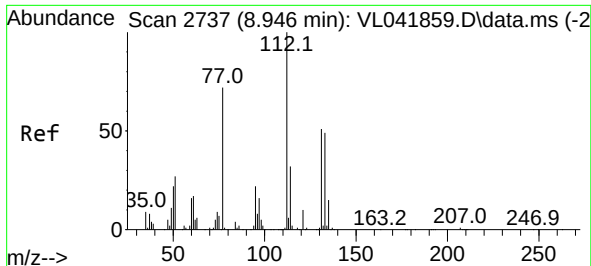
Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:131 Resp: 12299

Ion	Ratio	Lower	Upper
131	100		
133	103.3	77.3	115.9
119	56.1	50.6	76.0





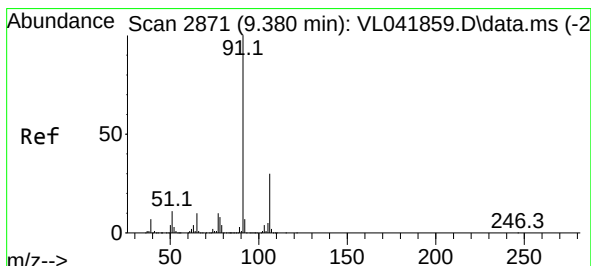
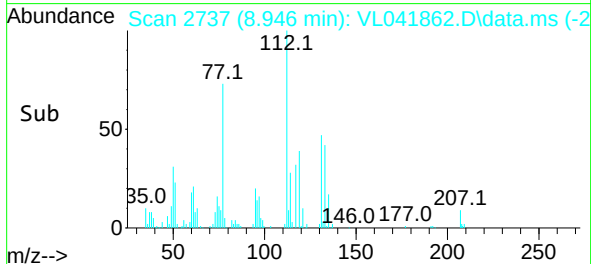
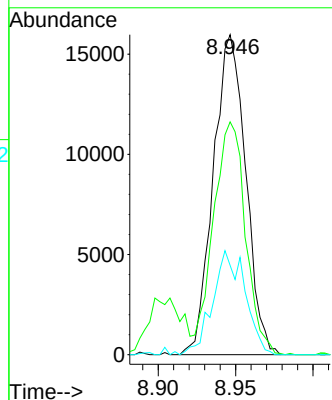
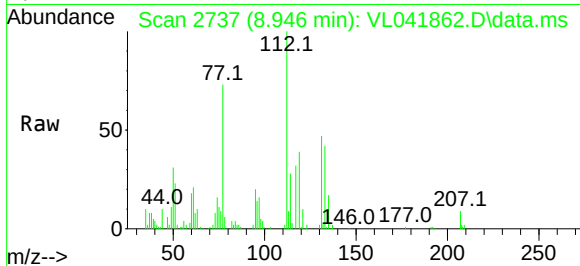
#57
Chlorobenzene
Concen: 0.560 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 23264
Ion Ratio Lower Upper
112 100
77 72.3 55.1 82.7
114 27.9 28.3 34.5

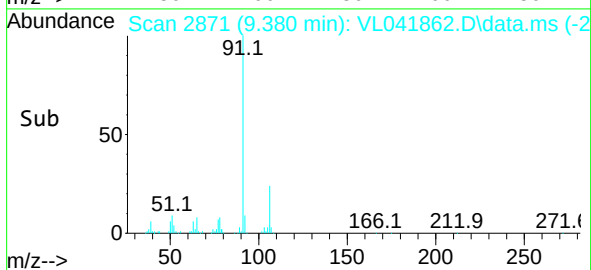
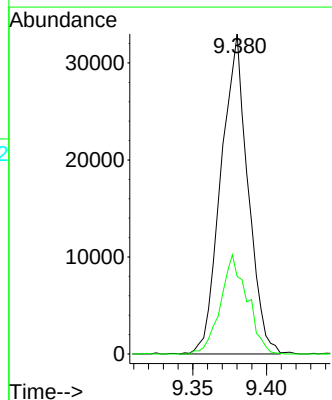
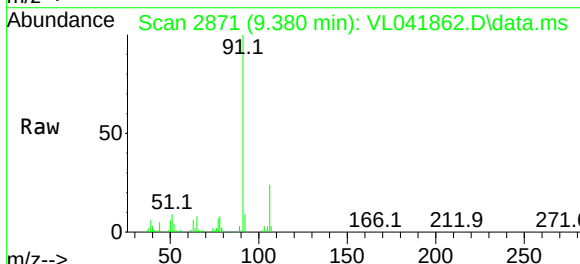
Manual Integrations
APPROVED

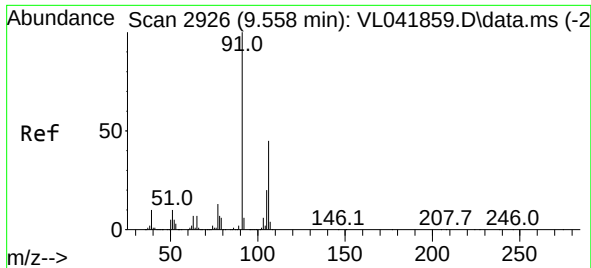
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 0.773 ppbv
RT: 9.380 min Scan# 2871
Delta R.T. 0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 91 Resp: 41863
Ion Ratio Lower Upper
91 100
106 24.2 23.8 35.8





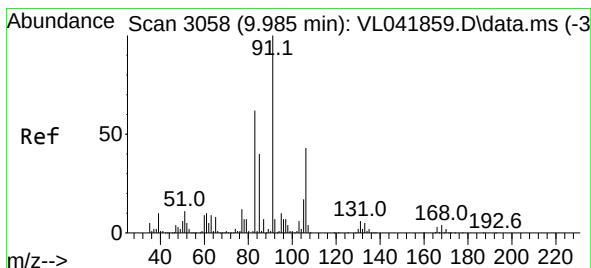
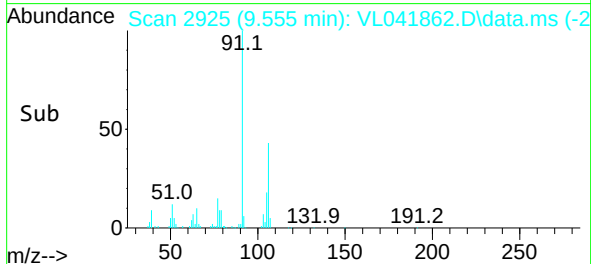
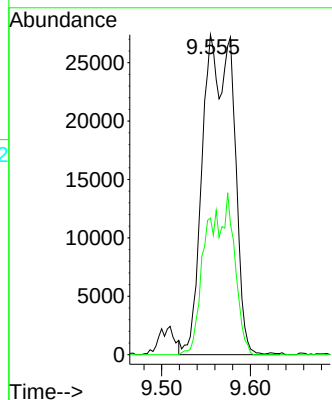
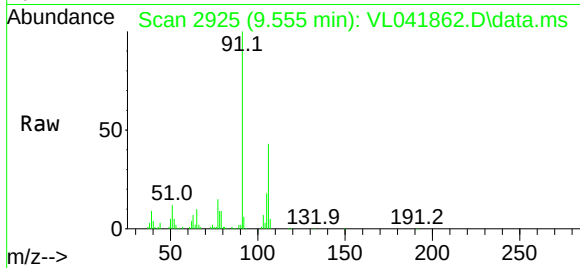
#59
m/p-Xylene
Concen: 1.396 ppbv m
RT: 9.555 min Scan# 2926
Delta R.T. -0.010 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 91 Resp: 66710
Ion Ratio Lower Upper
91 100
106 45.5 36.8 55.2

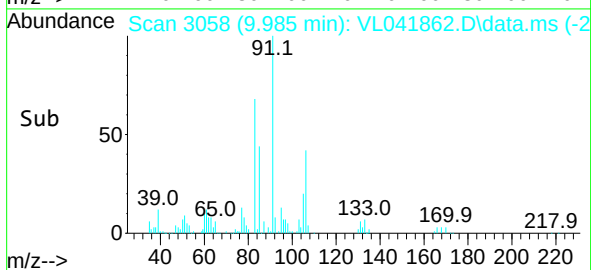
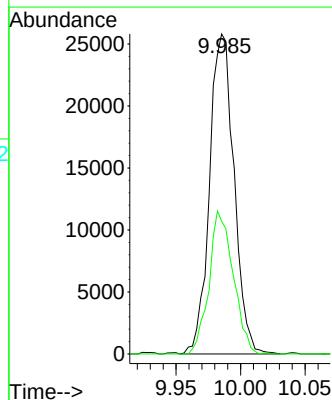
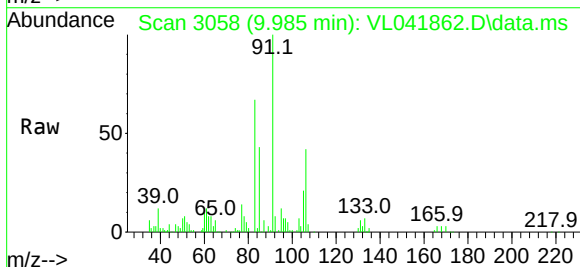
Manual Integrations
APPROVED

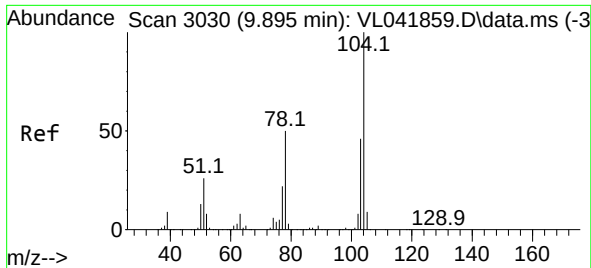
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 0.732 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 91 Resp: 34021
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.5





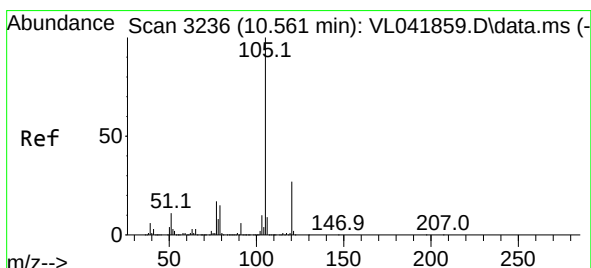
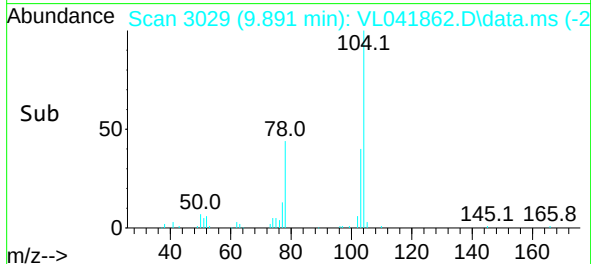
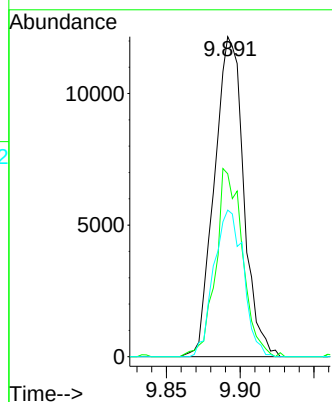
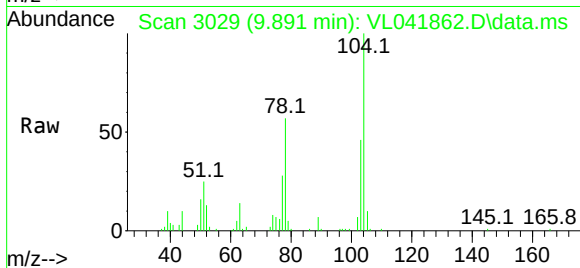
#61
Styrene
Concen: 0.931 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 16798
Ion Ratio Lower Upper
104 100
78 53.7 42.8 64.2
103 46.2 37.8 56.6

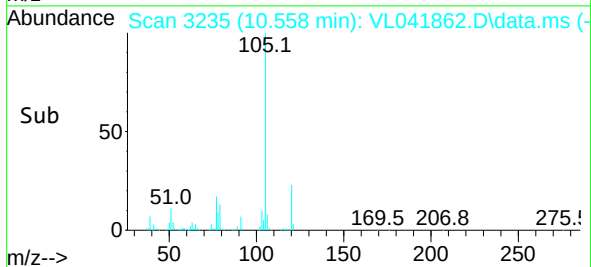
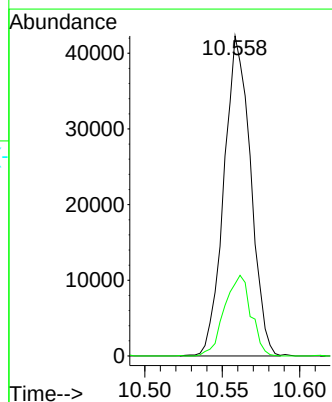
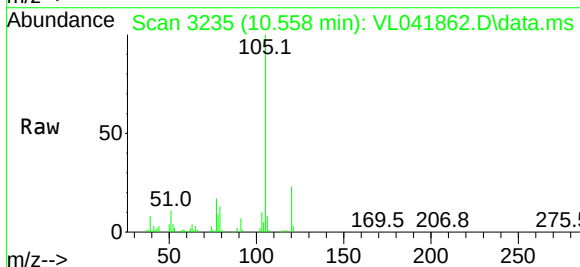
Manual Integrations
APPROVED

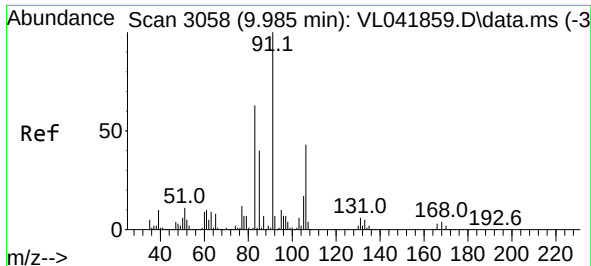
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#62
Isopropylbenzene
Concen: 0.692 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

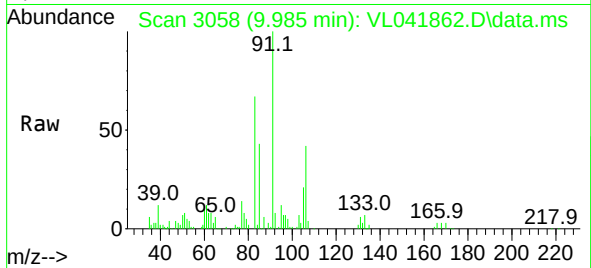
Tgt Ion:105 Resp: 50575
Ion Ratio Lower Upper
105 100
120 25.2 20.4 30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 0.495 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

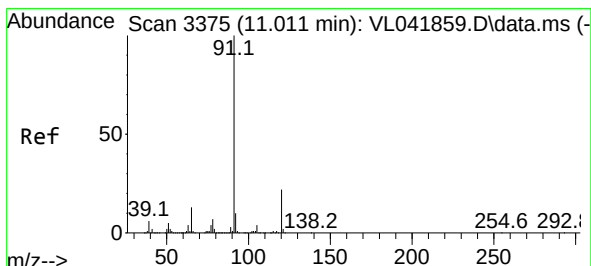
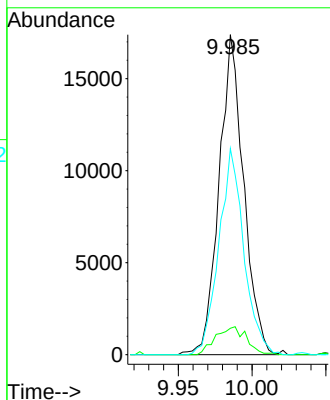
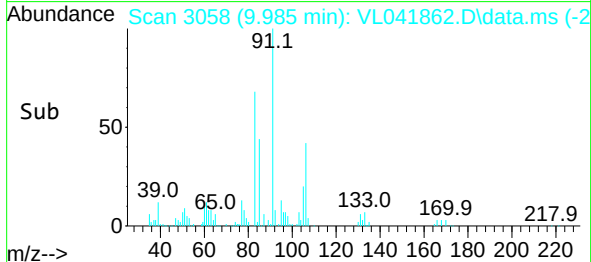
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



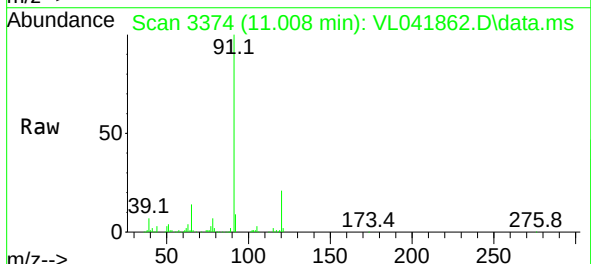
Tgt Ion: 83 Resp: 20172
Ion Ratio Lower Upper
83 100
131 10.9 4.8 14.3
85 65.7 31.9 95.9

Manual Integrations
APPROVED

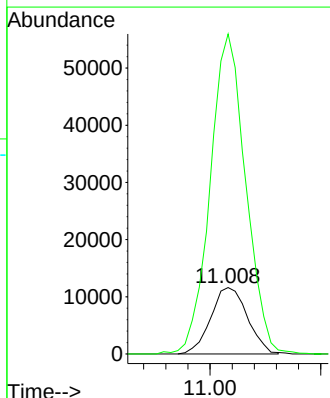
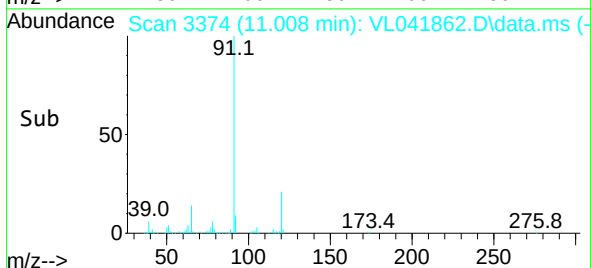
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

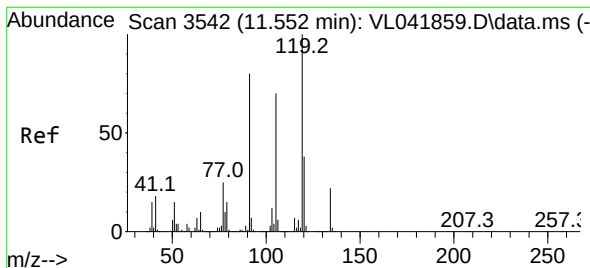


#64
n-propylbenzene
Concen: 0.712 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



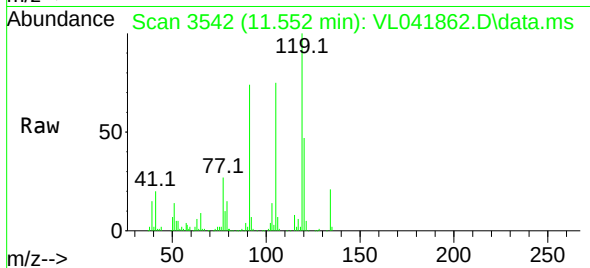
Tgt Ion:120 Resp: 13351
Ion Ratio Lower Upper
120 100
91 466.9 382.1 573.1





#65
tert-Butylbenzene
Concen: 0.700 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

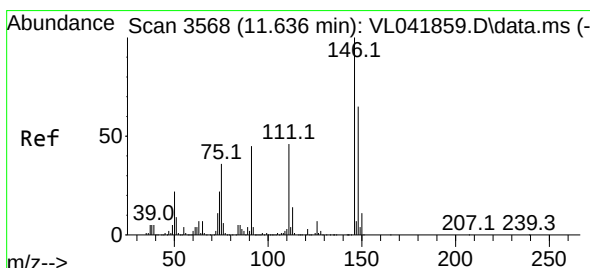
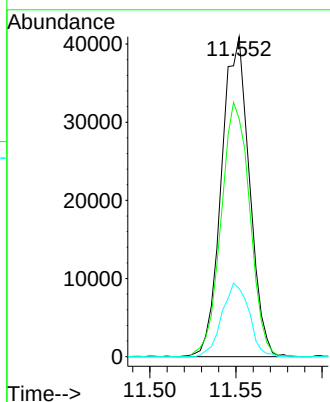
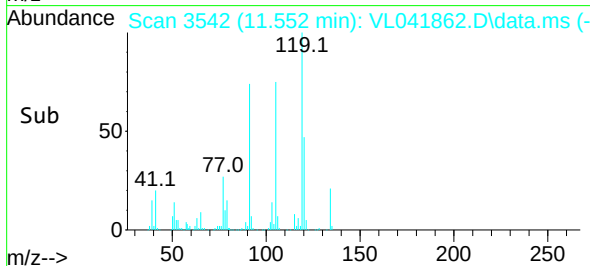
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



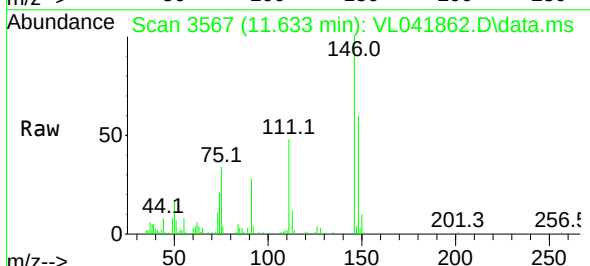
Tgt Ion: 119 Resp: 46079
Ion Ratio Lower Upper
119 100
91 82.2 68.0 102.0
134 22.4 16.2 24.4

Manual Integrations
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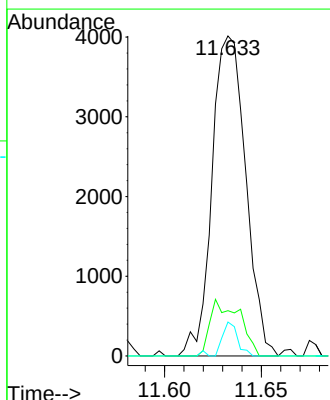
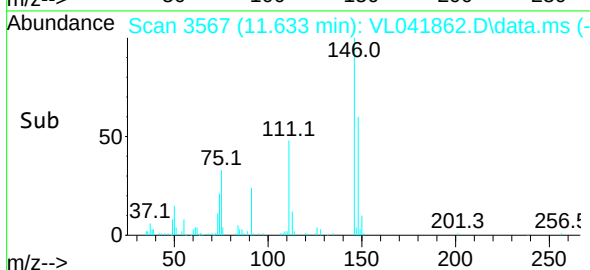
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

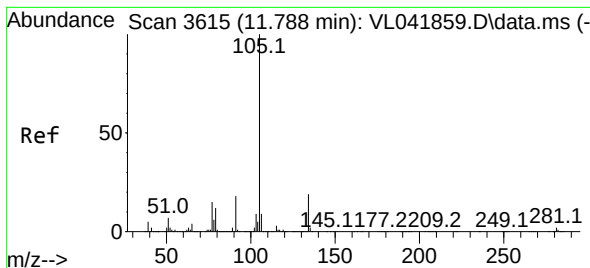


#66
Benzyl Chloride
Concen: 0.883 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



Tgt Ion: 91 Resp: 4858
Ion Ratio Lower Upper
91 100
126 15.4 12.1 18.1
128 5.0 4.3 6.5





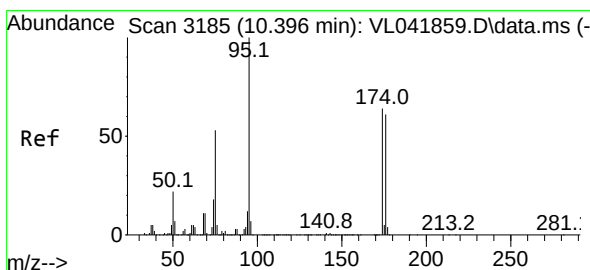
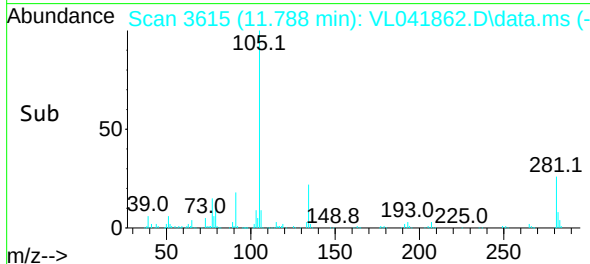
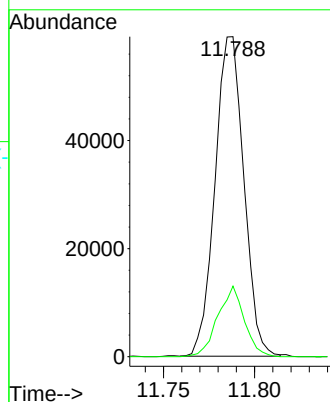
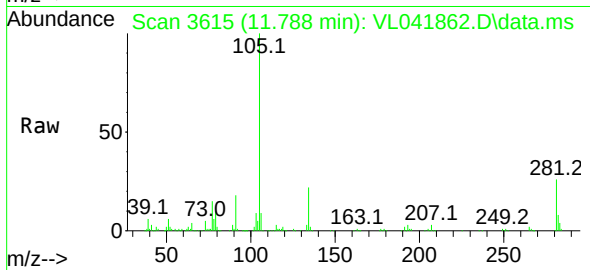
#67
 sec-Butylbenzene
 Concen: 0.677 ppbv
 RT: 11.788 min Scan# 3615
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:105 Resp: 6500
 Ion Ratio Lower Upper
 105 100
 134 20.3 14.6 22.0

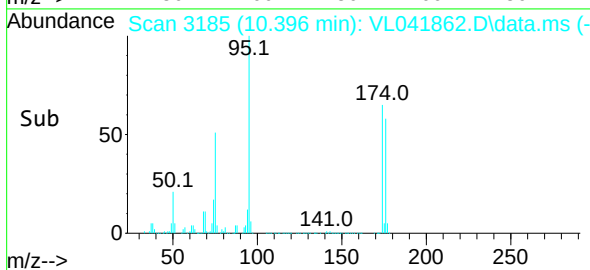
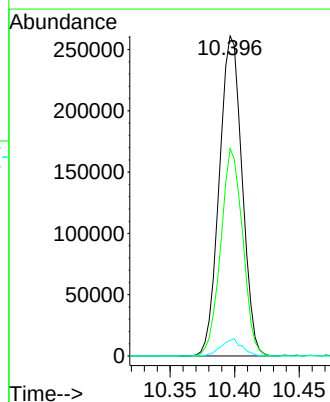
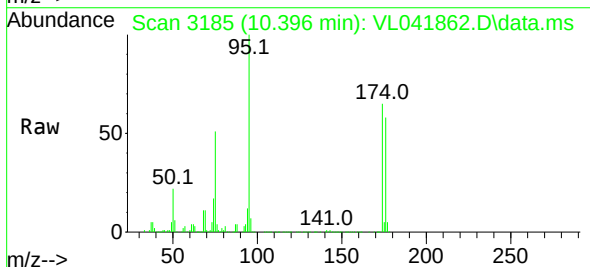
Manual Integrations
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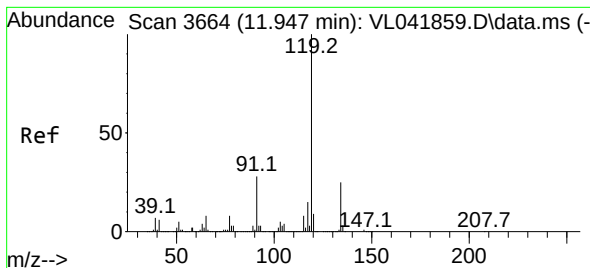
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.411 ppbv
 RT: 10.396 min Scan# 3185
 Delta R.T. 0.007 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Tgt Ion: 95 Resp: 320213
 Ion Ratio Lower Upper
 95 100
 174 62.5 47.6 71.4
 175 5.0 3.8 5.6





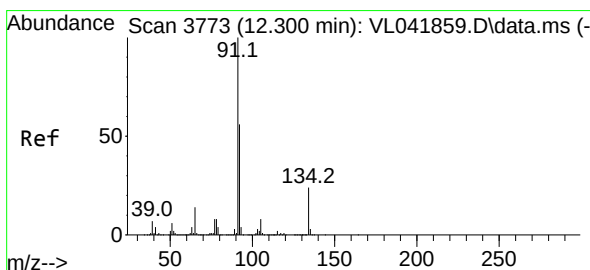
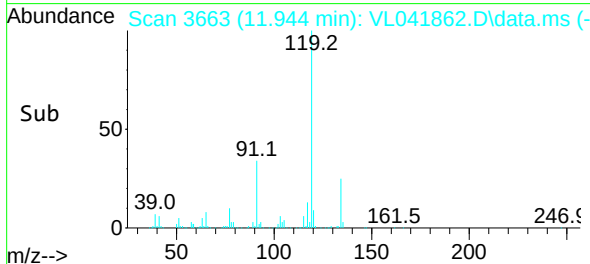
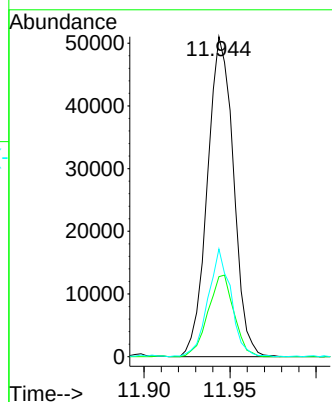
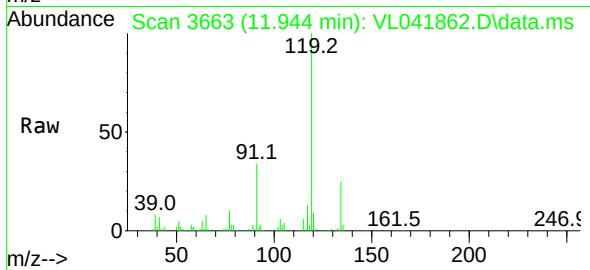
#69
p-Isopropyltoluene
Concen: 0.713 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 53789
Ion Ratio Lower Upper
119 100
134 25.4 19.4 29.2
91 30.4 24.0 36.0

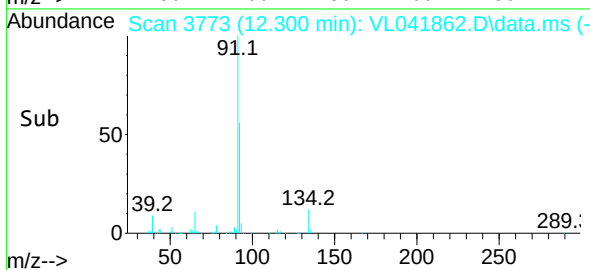
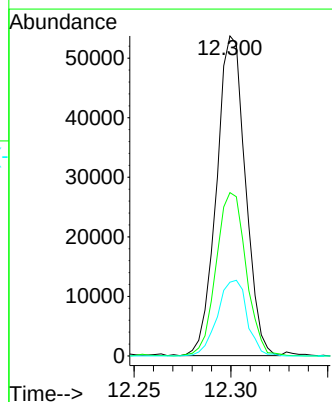
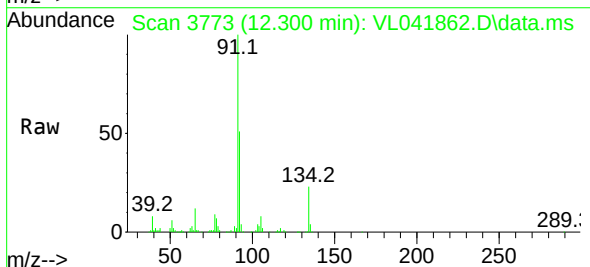
Manual Integrations
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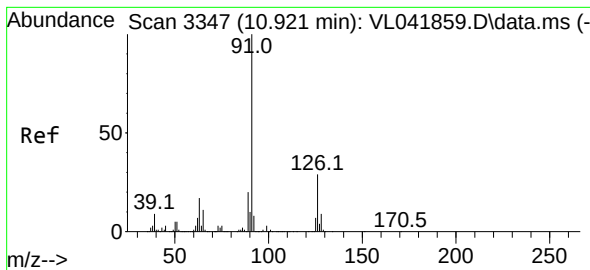
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#70
n-Butylbenzene
Concen: 0.733 ppbv
RT: 12.300 min Scan# 3773
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 91 Resp: 55556
Ion Ratio Lower Upper
91 100
92 53.5 42.8 64.2
134 24.3 17.8 26.6





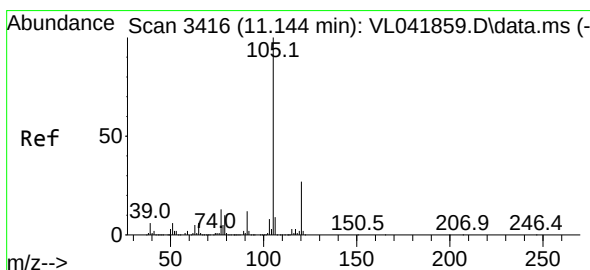
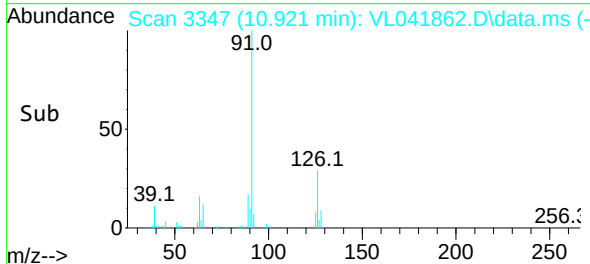
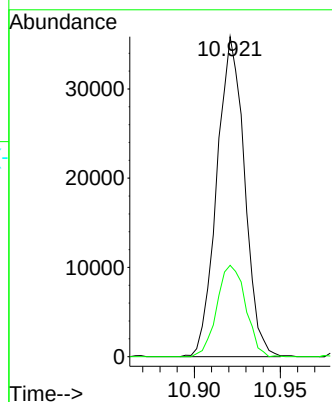
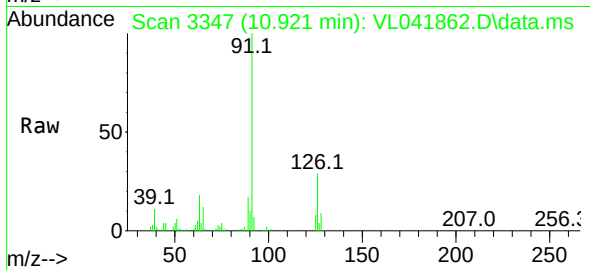
#71
2-Chlorotoluene
Concen: 0.757 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 40110
Ion Ratio Lower Upper
91 100
126 29.6 11.6 46.6

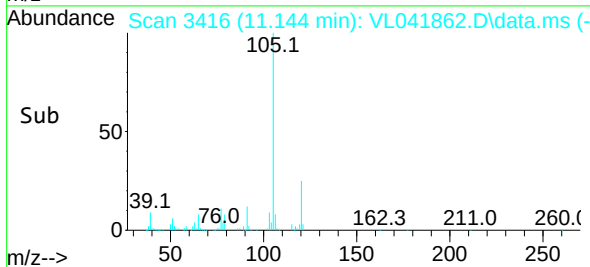
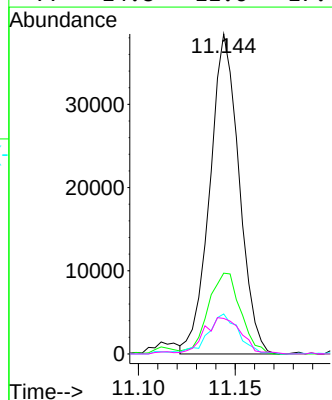
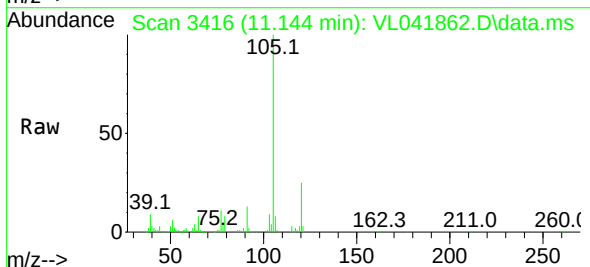
Manual Integrations
APPROVED

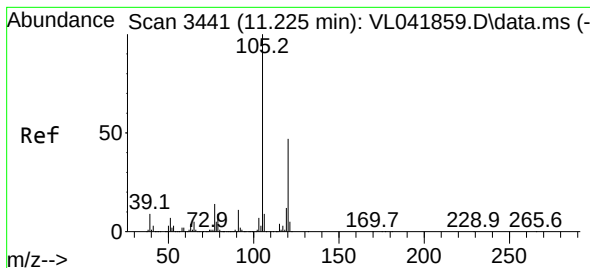
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
4-Ethyltoluene
Concen: 0.718 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion:105 Resp: 40352
Ion Ratio Lower Upper
105 100
120 29.5 23.4 35.2
91 13.7 10.8 16.2
77 14.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.698 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 3436

Ion Ratio Lower Upper

105 100

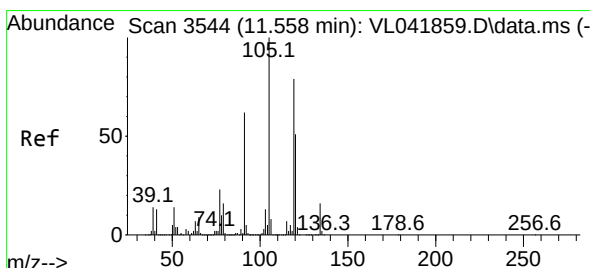
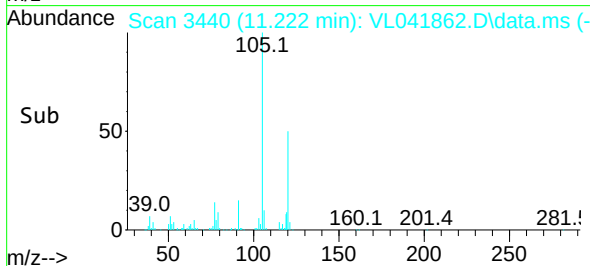
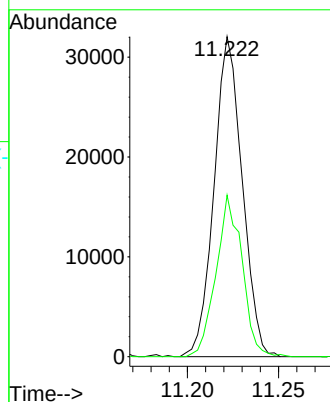
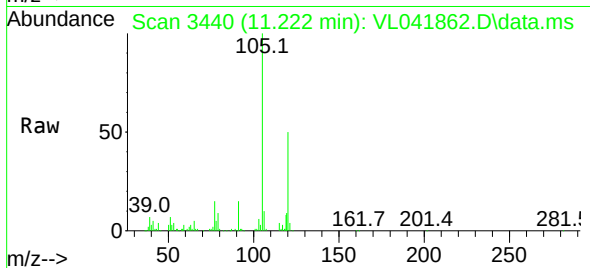
120 50.4 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.665 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:105 Resp: 37910

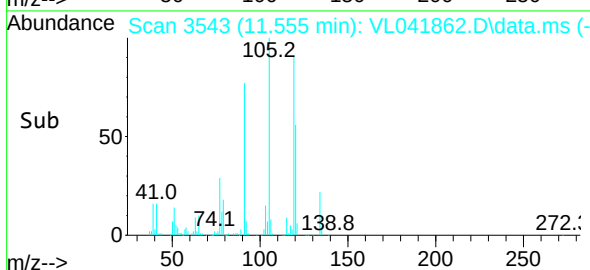
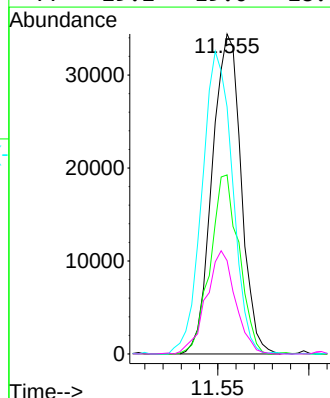
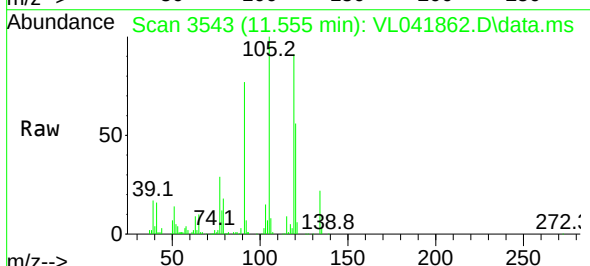
Ion Ratio Lower Upper

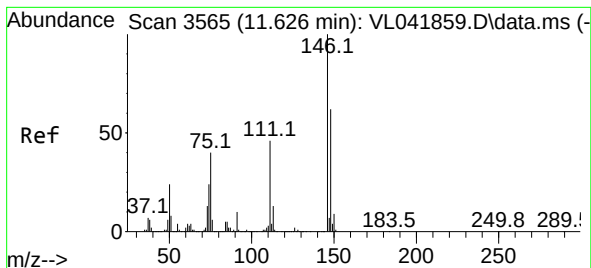
105 100

120 55.8 37.4 56.0

91 77.1 47.4 71.2#

77 29.2 19.0 28.6#





#75

1,3-Dichlorobenzene

Concen: 0.619 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

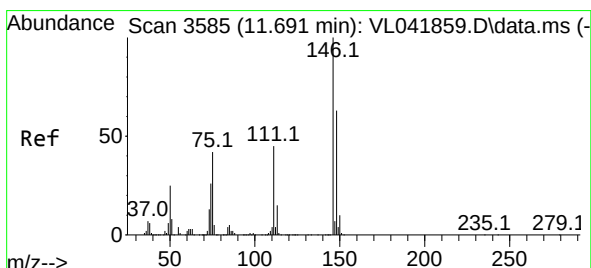
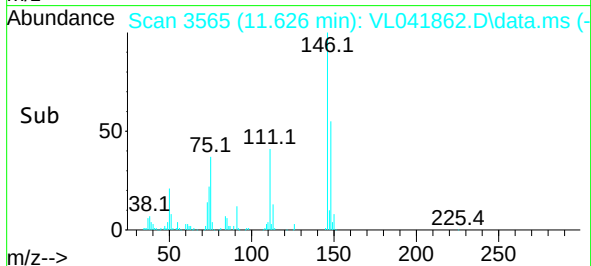
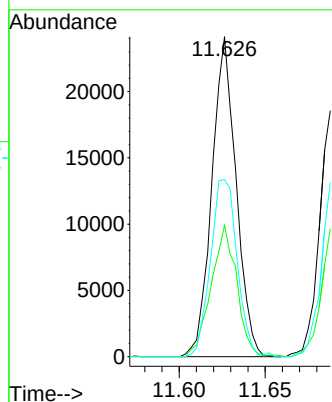
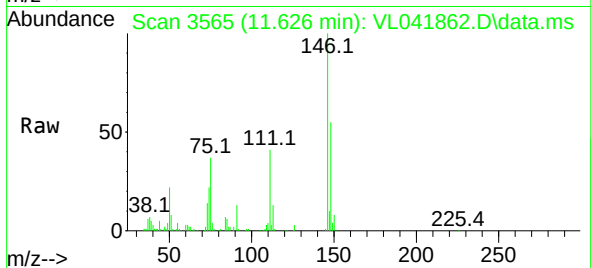
VSTDIC0.5

Tgt Ion:	146	Resp:	2364
Ion Ratio	Lower	Upper	
146	100		
111	43.3	24.1	72.2
148	61.0	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#76

1,4-Dichlorobenzene

Concen: 0.633 ppbv

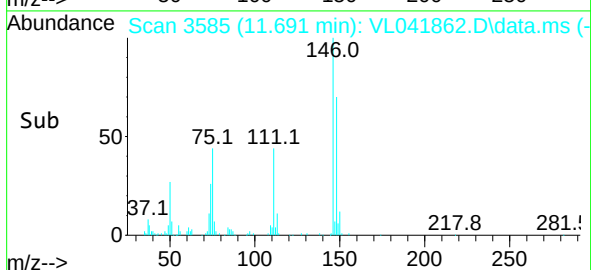
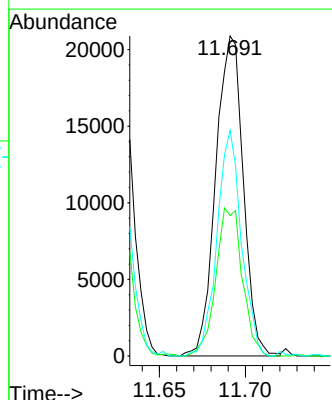
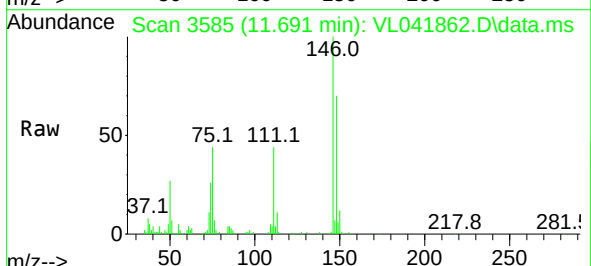
RT: 11.691 min Scan# 3585

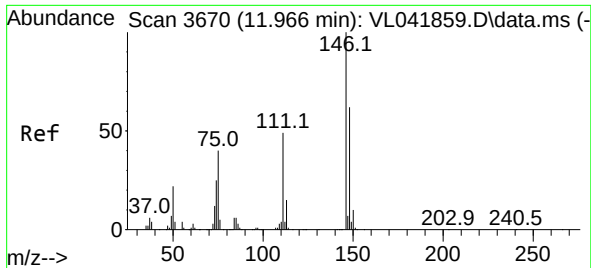
Delta R.T. 0.007 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:	146	Resp:	23242
Ion Ratio	Lower	Upper	
146	100		
111	44.5	23.2	69.6
148	63.2	32.1	96.3





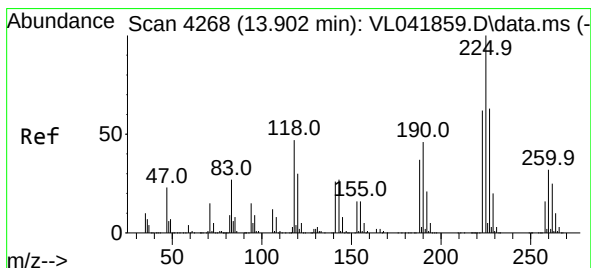
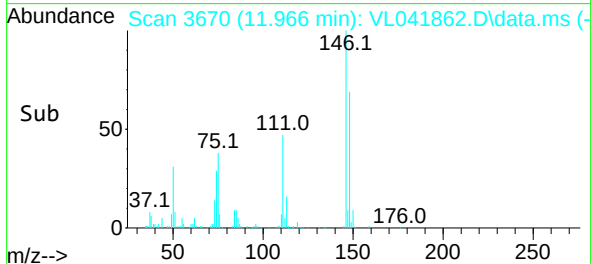
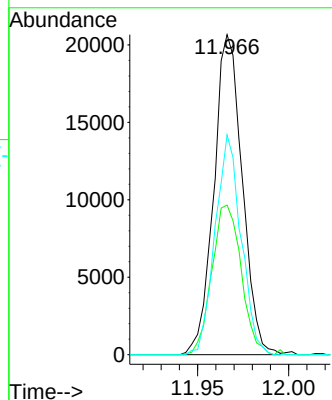
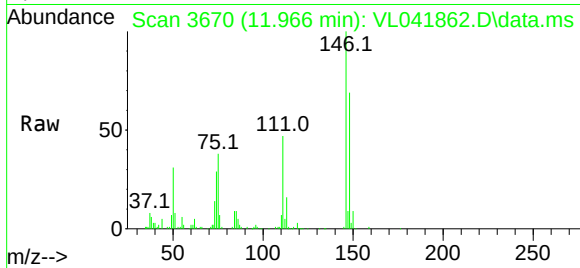
#77
1,2-Dichlorobenzene
Concen: 0.561 ppbv
RT: 11.966 min Scan# 3670
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 2233
Ion Ratio Lower Upper
146 100
111 48.7 24.7 74.1
148 62.9 31.5 94.5

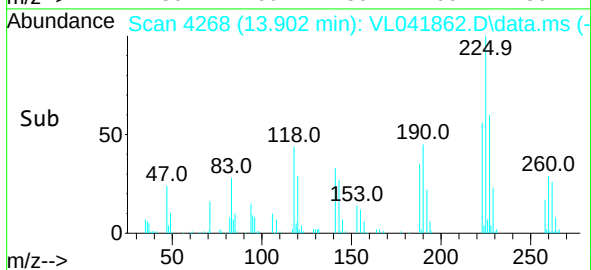
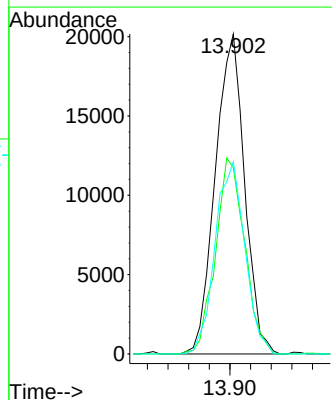
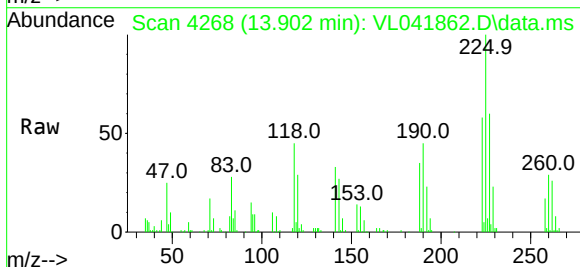
Manual Integrations
APPROVED

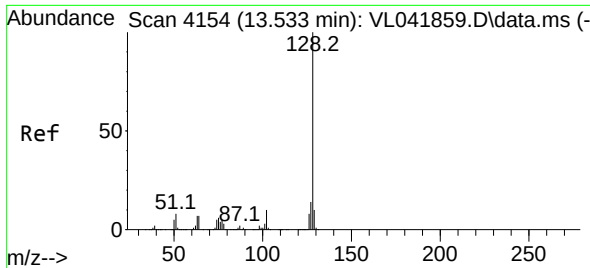
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#78
Hexachloro-1,3-Butadiene
Concen: 0.703 ppbv
RT: 13.902 min Scan# 4268
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

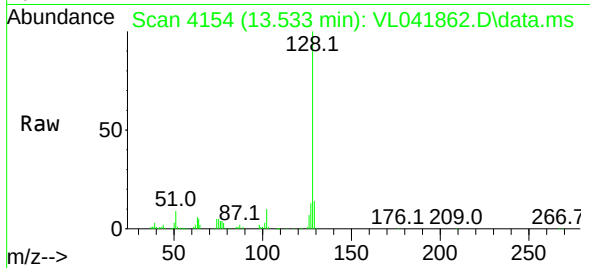
Tgt Ion:225 Resp: 19853
Ion Ratio Lower Upper
225 100
223 61.4 50.4 75.6
227 61.1 51.2 76.8





#79
Naphthalene
Concen: 1.007 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

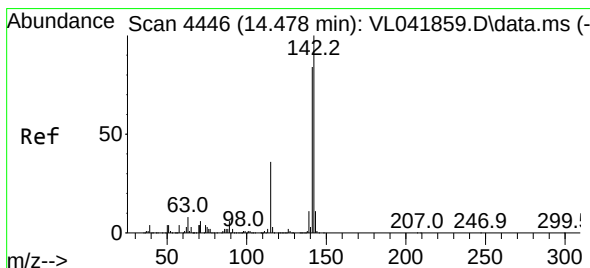
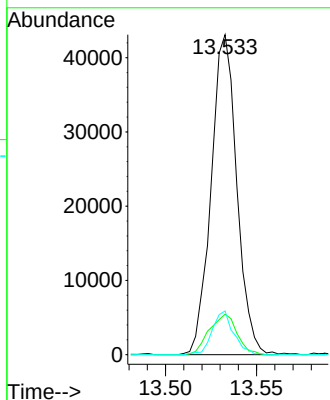
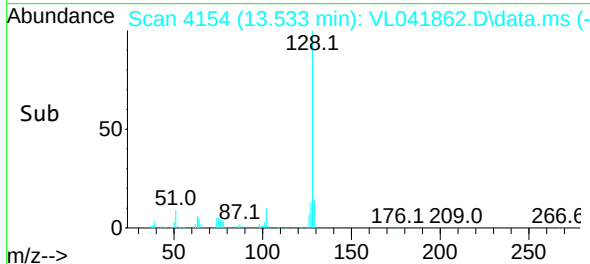
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



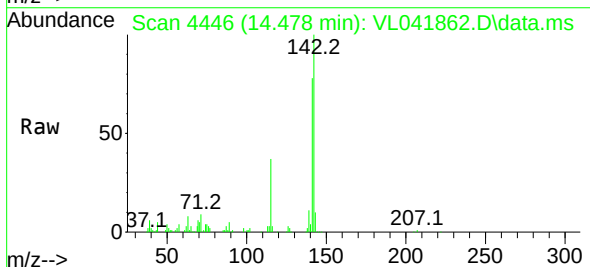
Tgt Ion:128 Resp: 4233
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 13.7 8.2 12.4

Manual Integrations
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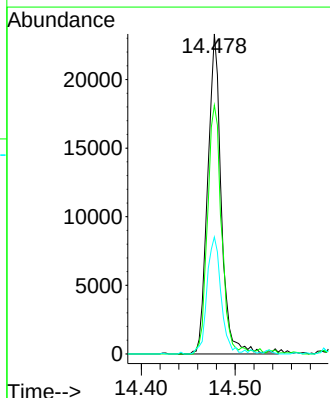
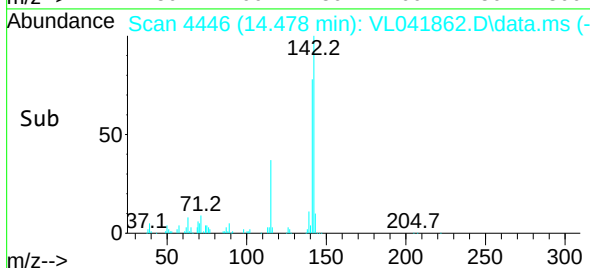
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

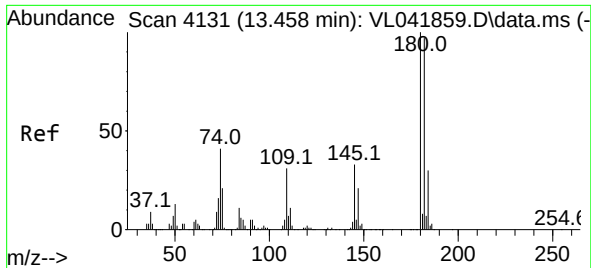


#80
Naphthalene,2-methyl-
Concen: 1.513 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.007 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53



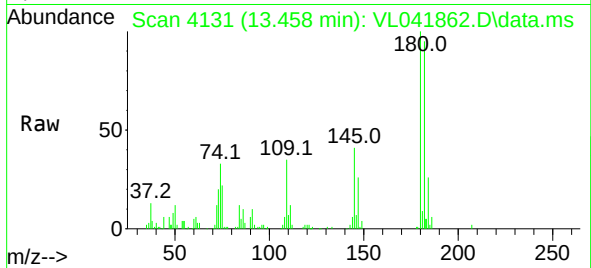
Tgt Ion:142 Resp: 23524
Ion Ratio Lower Upper
142 100
141 82.2 67.8 101.6
115 37.6 32.7 49.1





#81
1,2,4-Trichlorobenzene
Concen: 0.858 ppbv
RT: 13.458 min Scan# 4131
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

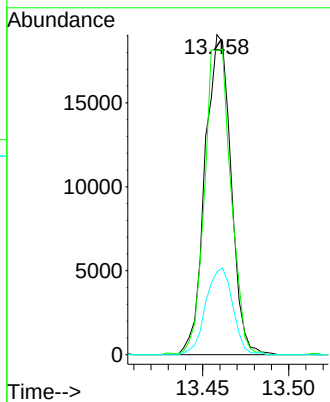
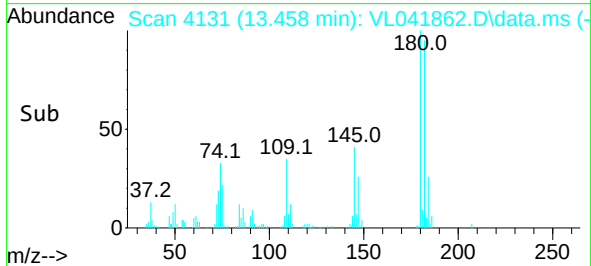
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:180 Resp: 19980
Ion Ratio Lower Upper
180 100
182 97.0 75.9 113.9
184 28.1 24.8 37.2

Manual Integrations
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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041863.D
 Acq On : 09 Jan 2025 13:24
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 14:20:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jan 09 13:37:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.806	49	140029	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.984	114	422202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.907	117	386905	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.399	95	308324	9.304	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%
Target Compounds						
						Qvalue
5) Vinyl Chloride	1.589	62	1043	0.109	ppbv	97
32) 1,1,1-Trichloroethane	3.395	97	3510m	0.139	ppbv	
35) Carbon Tetrachloride	3.793	117	3101m	0.097	ppbv	
38) Trichloroethene	4.580	130	2096m	0.133	ppbv	
52) Tetrachloroethene	8.247	164	2108m	0.176	ppbv	
54) 1,2-Dibromoethane	7.684	107	2320m	0.115	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.992	83	4264	0.107	ppbv	96
79) Naphthalene	13.532	128	8145	0.199	ppbv	100

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

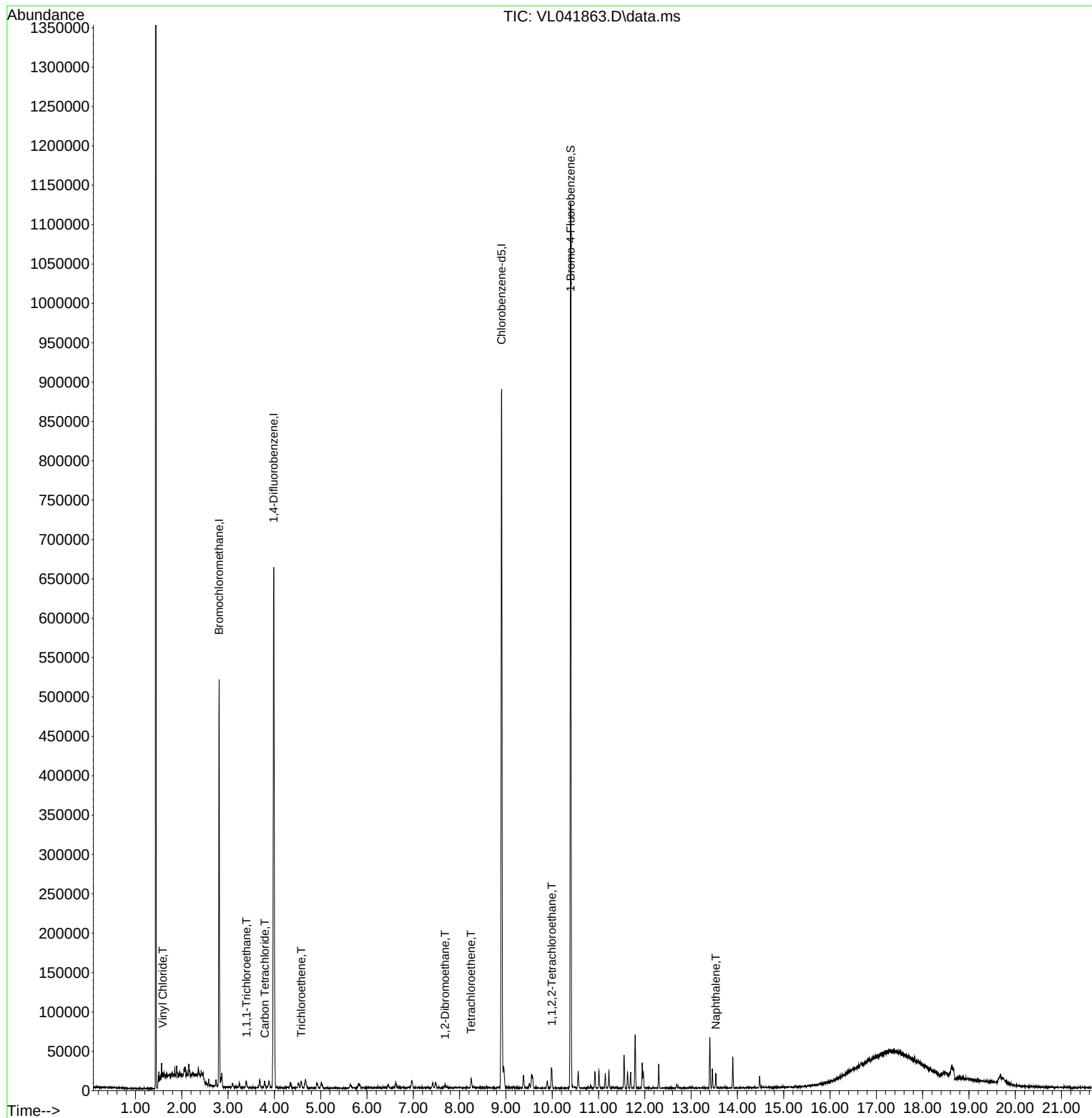
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041863.D
Acq On : 09 Jan 2025 13:24
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

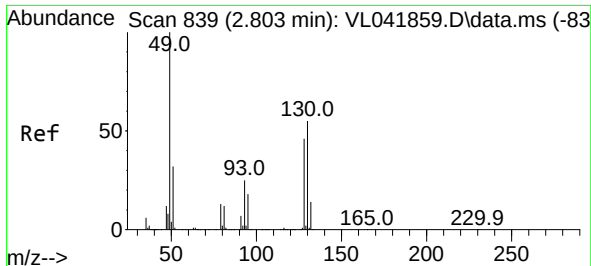
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

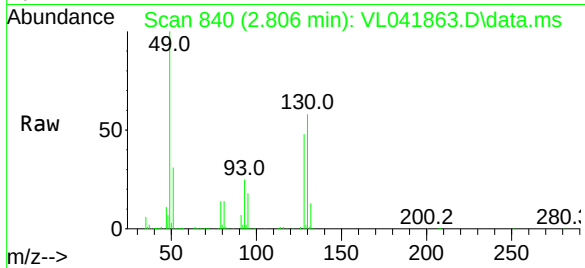
Quant Time: Jan 09 14:20:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jan 09 13:37:17 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 840
Delta R.T. 0.006 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

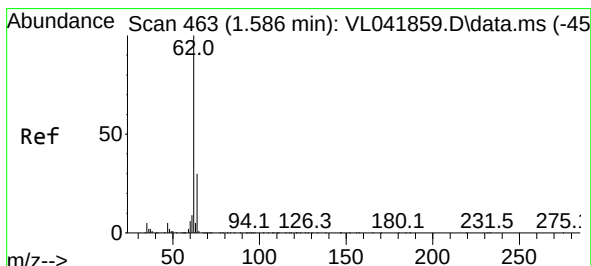
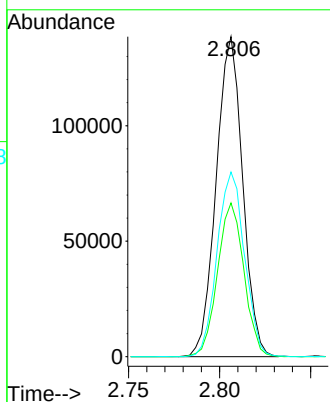
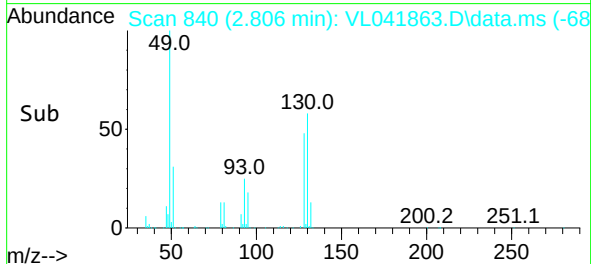
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 140029
Ion Ratio Lower Upper
49 100
128 47.9 19.7 59.1
130 59.9 26.4 79.2

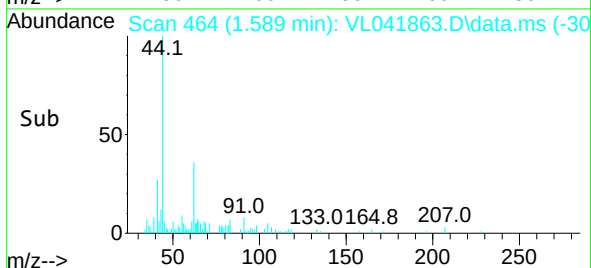
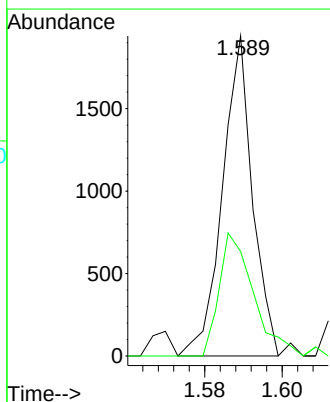
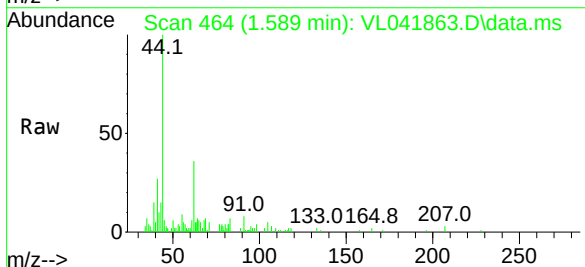
Manual Integrations
APPROVED

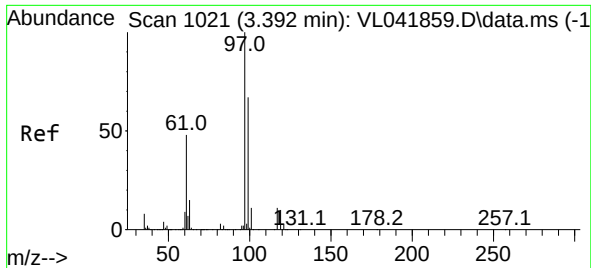
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#5
Vinyl Chloride
Concen: 0.109 ppbv
RT: 1.589 min Scan# 464
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

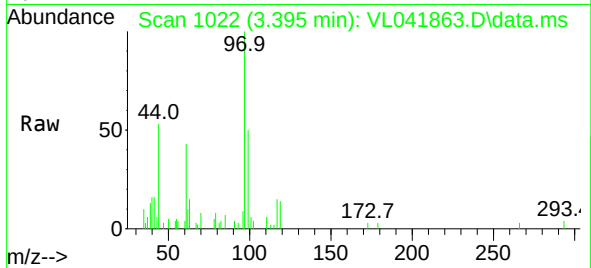
Tgt Ion: 62 Resp: 1043
Ion Ratio Lower Upper
62 100
64 32.7 24.9 37.3





#32
1,1,1-Trichloroethane
Concen: 0.139 ppbv m
RT: 3.395 min Scan# 1021
Delta R.T. 0.013 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

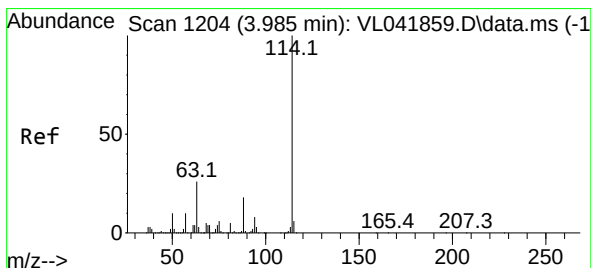
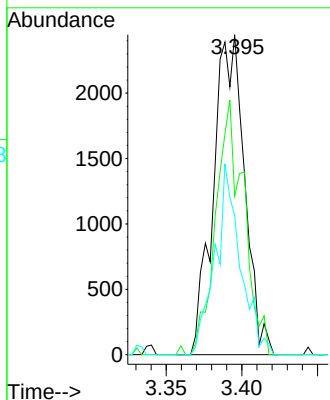
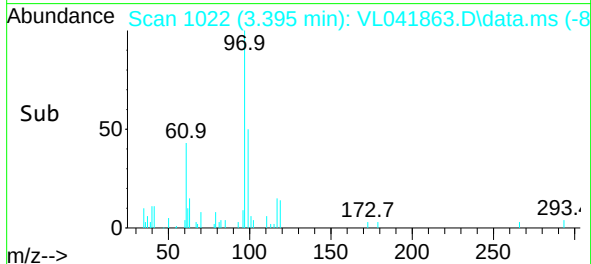
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 97 Resp: 3510
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0
61 48.3 45.0 67.6

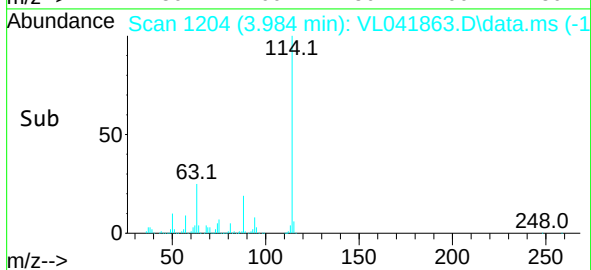
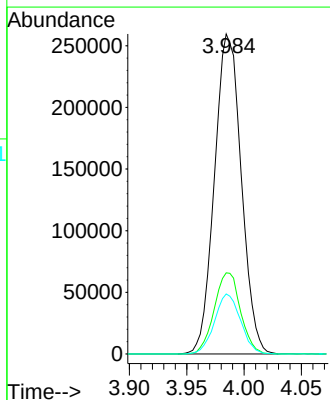
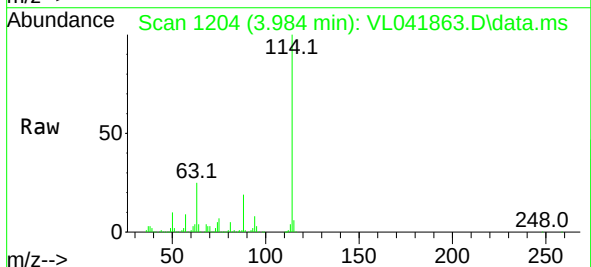
Manual Integrations
APPROVED

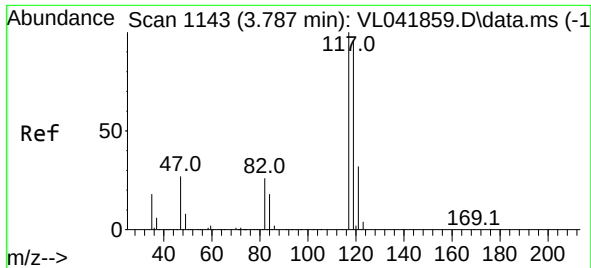
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.984 min Scan# 1204
Delta R.T. 0.010 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

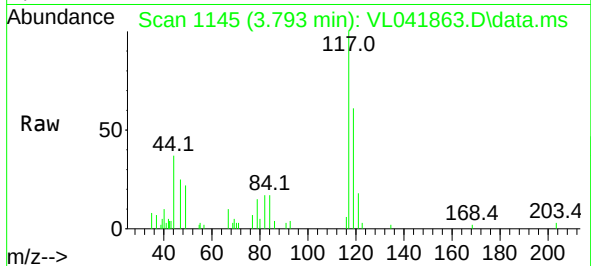
Tgt Ion:114 Resp: 422202
Ion Ratio Lower Upper
114 100
63 24.8 22.3 33.5
88 18.1 14.9 22.3





#35
Carbon Tetrachloride
Concen: 0.097 ppbv m
RT: 3.793 min Scan# 1143
Delta R.T. 0.013 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

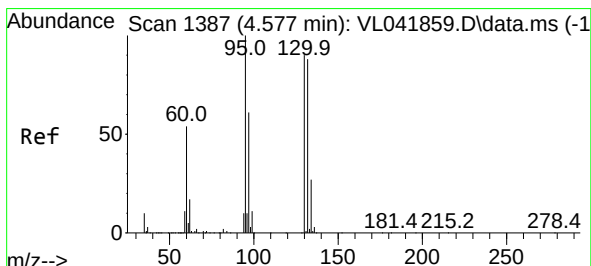
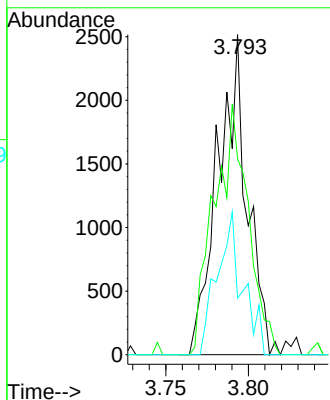
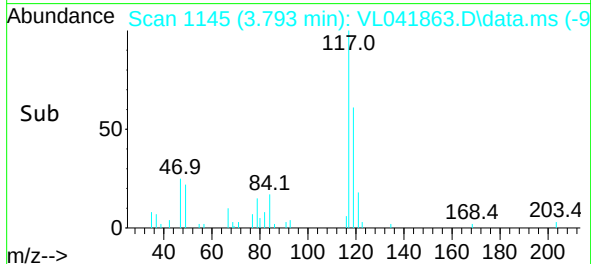
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 310
Ion Ratio Lower Upper
117 100
119 61.2 79.1 118.7
121 17.6 24.2 36.2

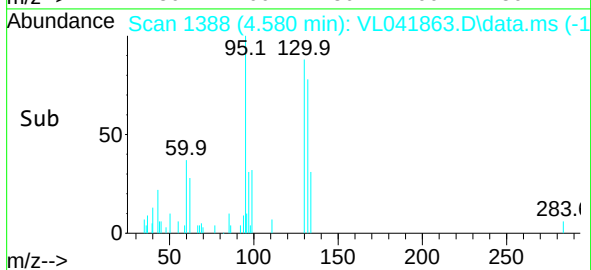
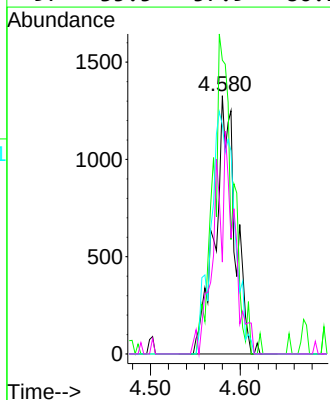
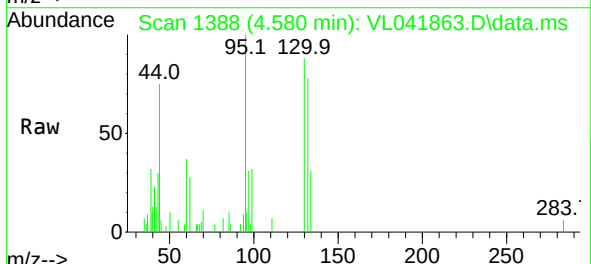
Manual Integrations
APPROVED

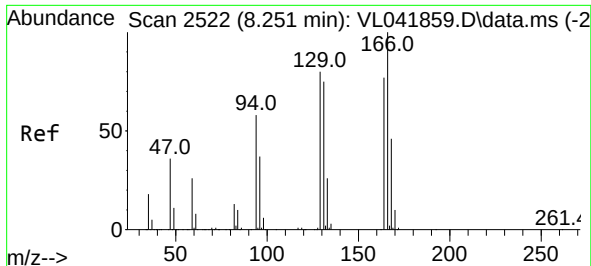
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#38
Trichloroethene
Concen: 0.133 ppbv m
RT: 4.580 min Scan# 1388
Delta R.T. 0.010 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

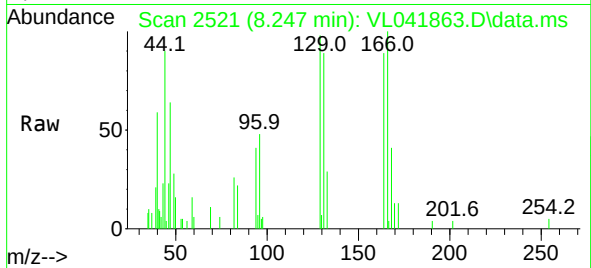
Tgt Ion:130 Resp: 2096
Ion Ratio Lower Upper
130 100
95 113.7 90.1 135.1
132 88.6 71.8 107.8
97 35.5 57.9 86.9





#52
Tetrachloroethene
Concen: 0.176 ppbv m
RT: 8.247 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

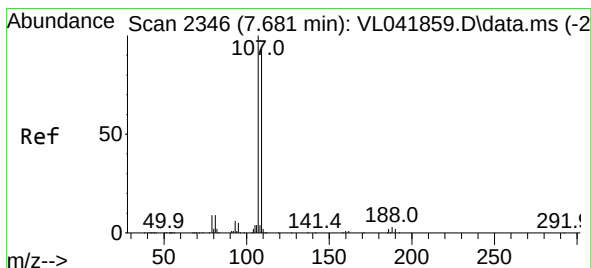
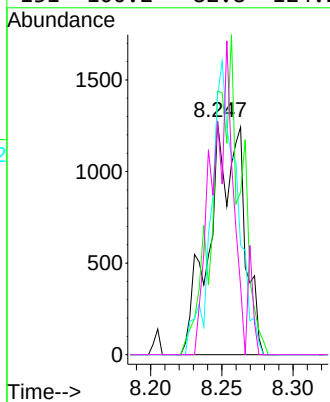
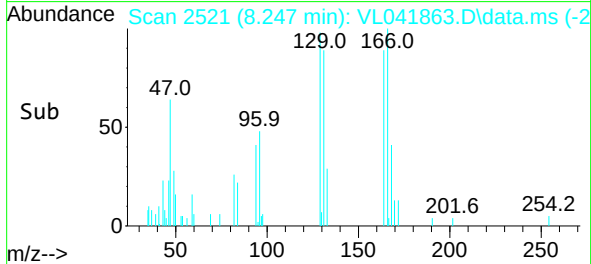
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



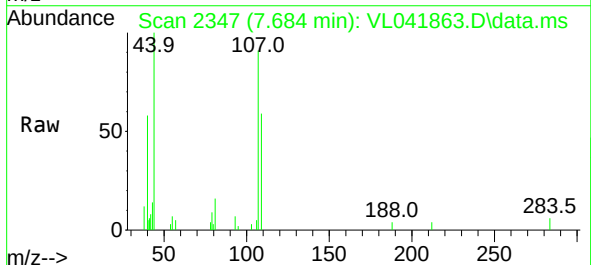
Tgt Ion:164 Resp: 2108
Ion Ratio Lower Upper
164 100
166 113.0 100.4 150.6
129 110.9 85.9 128.9
131 100.2 82.8 124.2

Manual Integrations
APPROVED

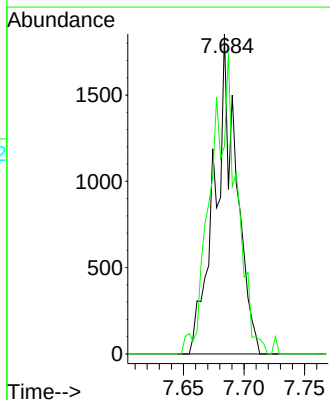
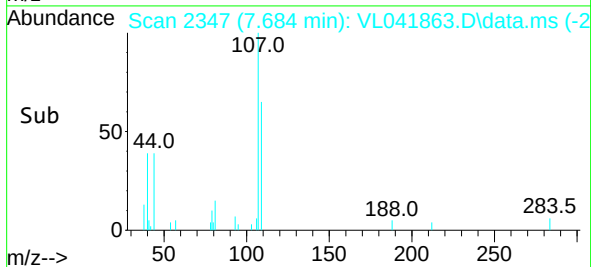
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

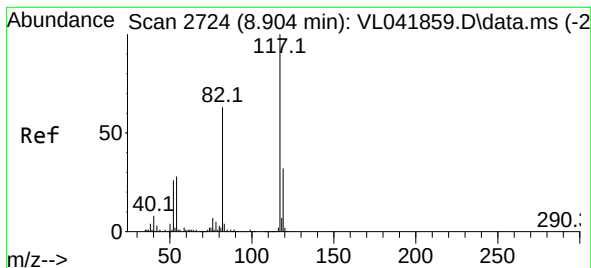


#54
1,2-Dibromoethane
Concen: 0.115 ppbv m
RT: 7.684 min Scan# 2347
Delta R.T. 0.010 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24



Tgt Ion:107 Resp: 2320
Ion Ratio Lower Upper
107 100
109 64.9 75.9 113.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.907 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

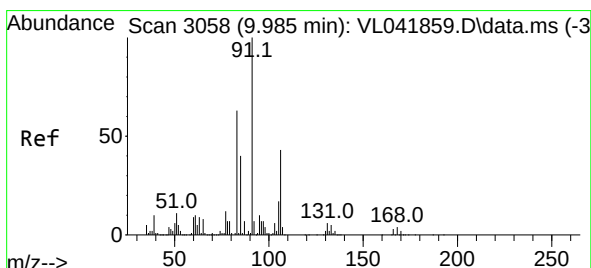
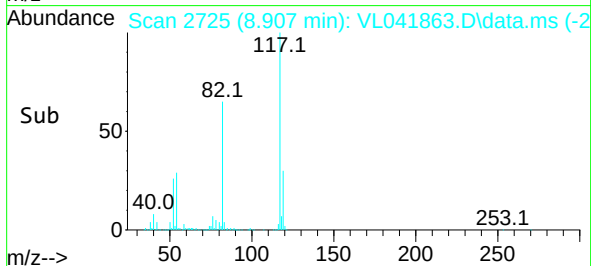
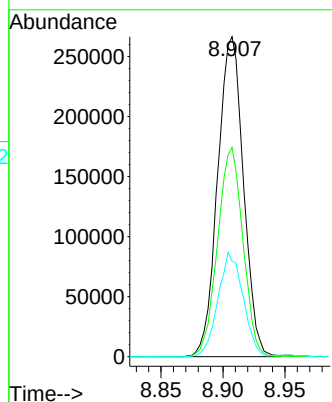
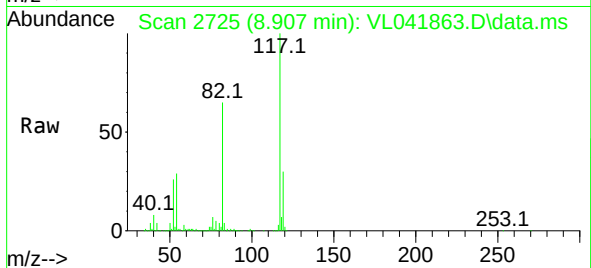
Tgt Ion: 117 Resp: 38690

Ion	Ratio	Lower	Upper
117	100		
82	64.3	59.1	88.7
119	32.3	27.3	40.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#63

1,1,2,2-Tetrachloroethane

Concen: 0.107 ppbv

RT: 9.992 min Scan# 3060

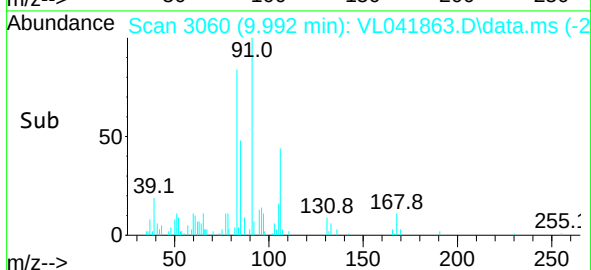
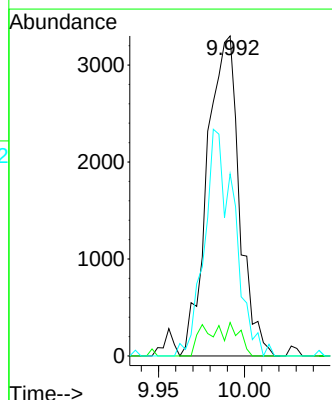
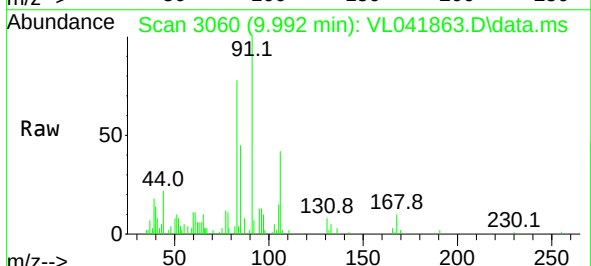
Delta R.T. 0.013 min

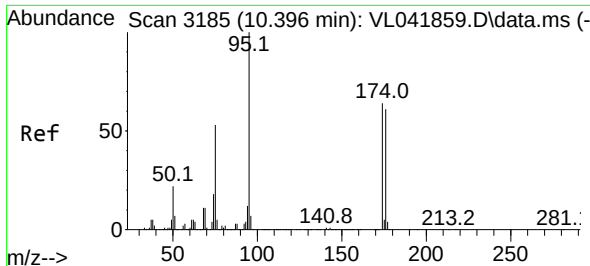
Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Tgt Ion: 83 Resp: 4264

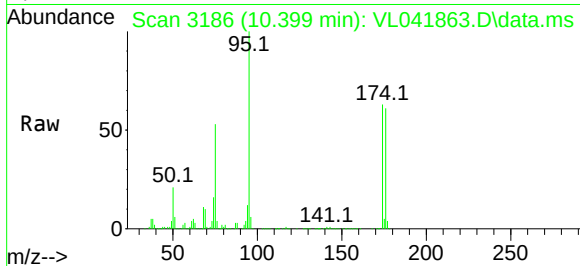
Ion	Ratio	Lower	Upper
83	100		
131	11.0	4.8	14.3
85	66.7	31.9	95.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.304 ppbv
RT: 10.399 min Scan# 3186
Delta R.T. 0.010 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

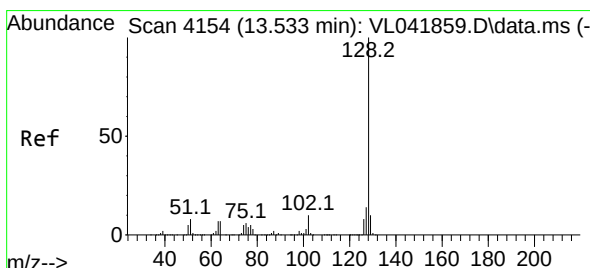
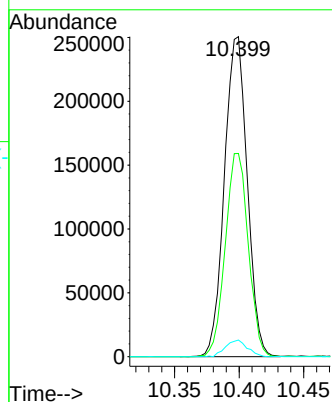
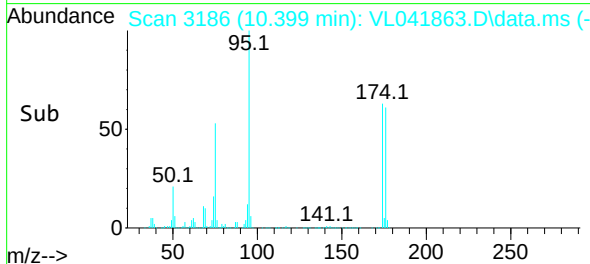
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 95 Resp: 308324
Ion Ratio Lower Upper
95 100
174 64.1 47.6 71.4
175 5.0 3.8 5.6

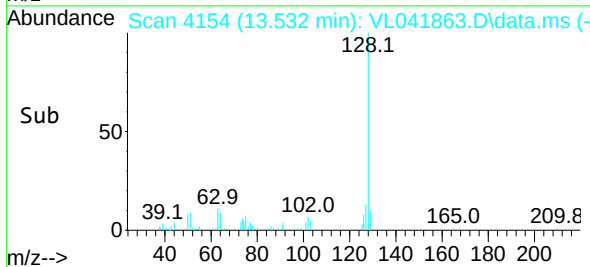
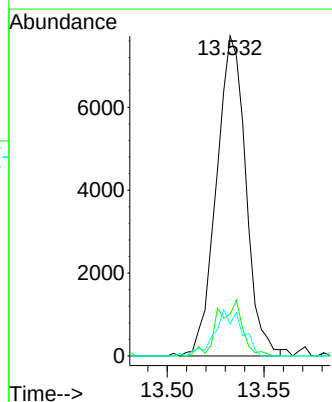
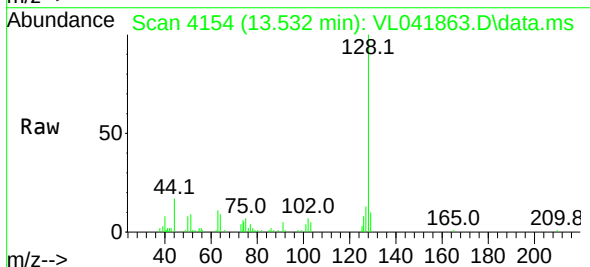
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#79
Naphthalene
Concen: 0.199 ppbv
RT: 13.532 min Scan# 4154
Delta R.T. 0.006 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:128 Resp: 8145
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.1 8.2 12.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041864.D
 Acq On : 09 Jan 2025 13:54
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 14:27:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jan 09 13:37:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	140652	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	417764	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	382336	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	308087	9.408	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.590	62	375	0.039	ppbv #	86
32) 1,1,1-Trichloroethane	3.389	97	1032m	0.041	ppbv	
35) Carbon Tetrachloride	3.791	117	1177m	0.037	ppbv	
38) Trichloroethene	4.580	130	518m	0.033	ppbv	
52) Tetrachloroethene	8.251	164	686	0.058	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	9.979	83	1052	0.027	ppbv #	78

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

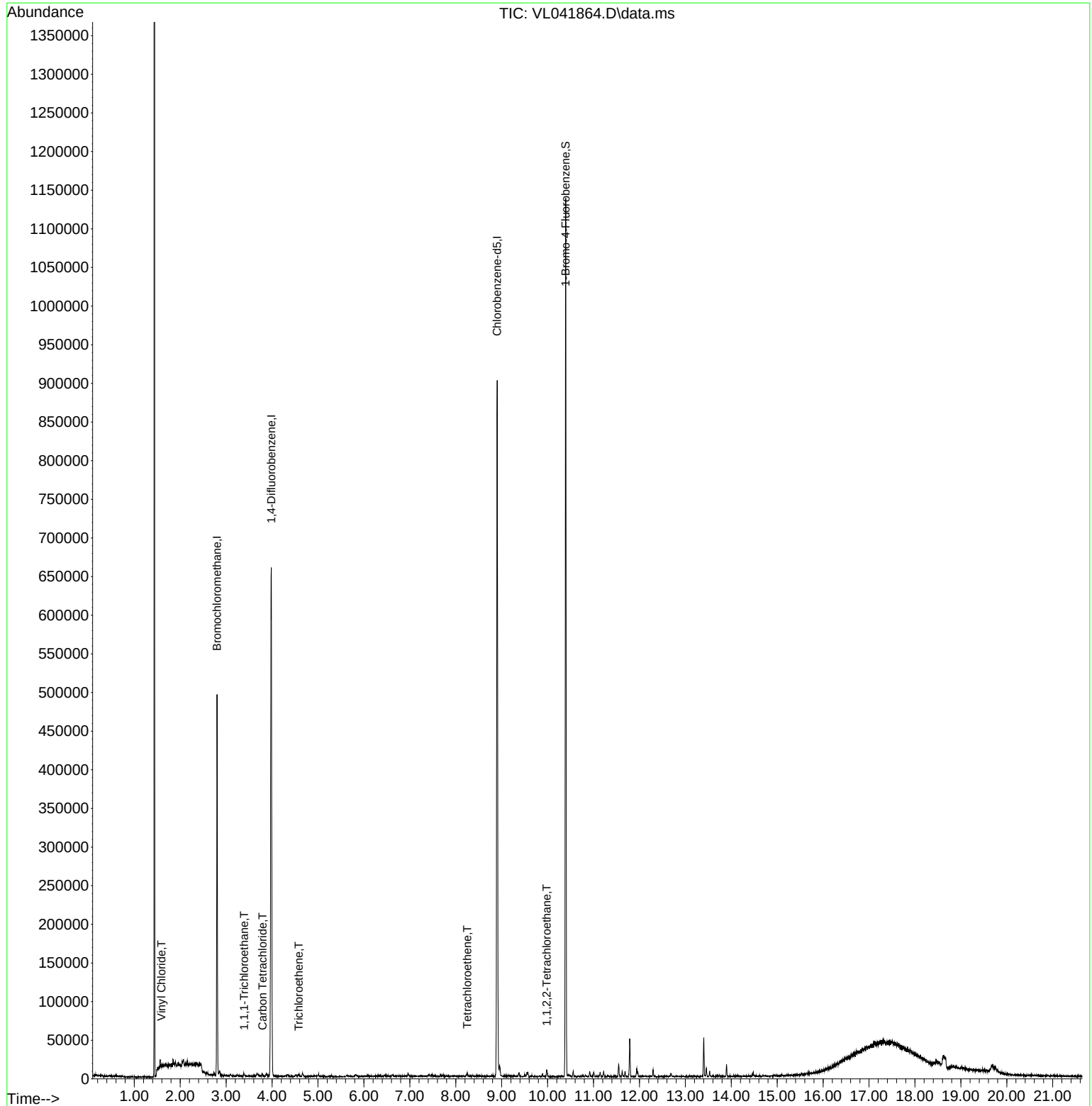
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Data File : VL041864.D
Acq On : 09 Jan 2025 13:54
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

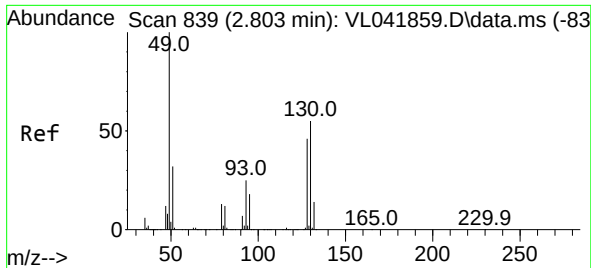
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

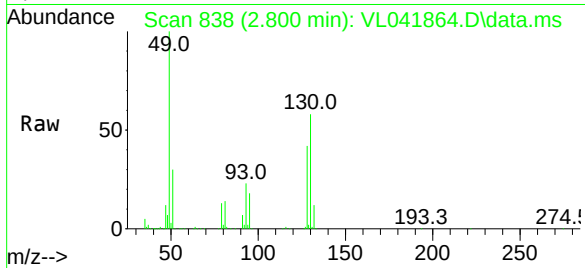
Quant Time: Jan 09 14:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Jan 09 13:37:17 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

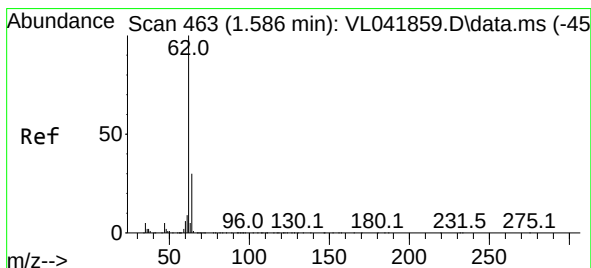
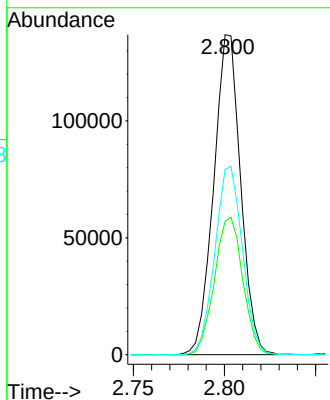
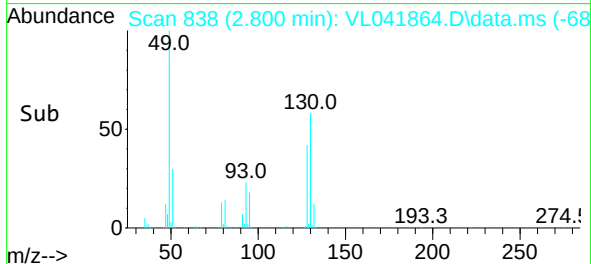
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion: 49 Resp: 140652
Ion Ratio Lower Upper
49 100
128 45.0 19.7 59.1
130 60.3 26.4 79.2

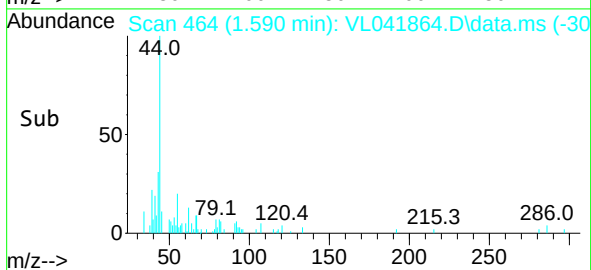
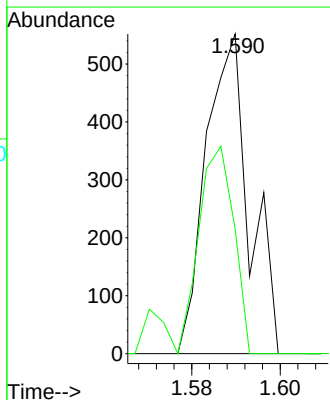
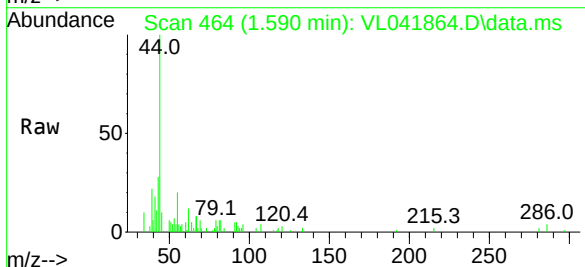
Manual Integrations
APPROVED

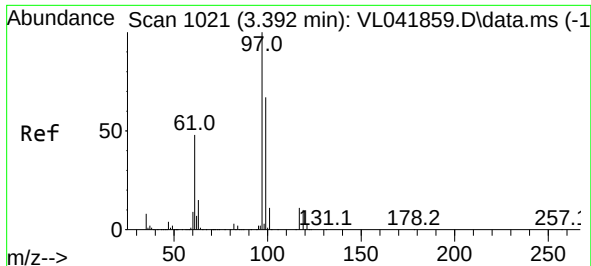
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#5
Vinyl Chloride
Concen: 0.039 ppbv
RT: 1.590 min Scan# 464
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

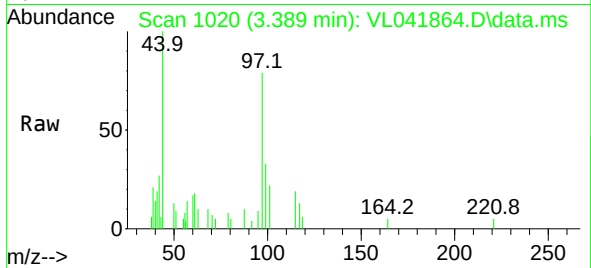
Tgt Ion: 62 Resp: 375
Ion Ratio Lower Upper
62 100
64 38.9 24.9 37.3#





#32
1,1,1-Trichloroethane
Concen: 0.041 ppbv m
RT: 3.389 min Scan# 1021
Delta R.T. 0.007 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

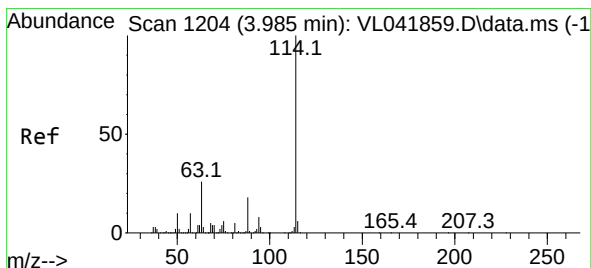
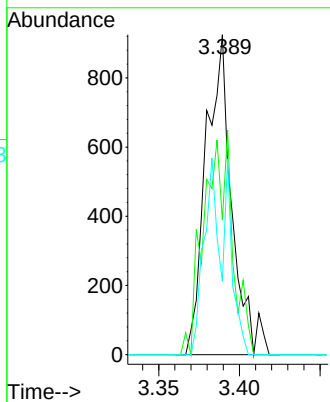
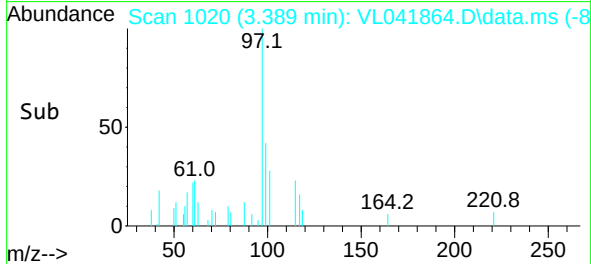
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion: 97 Resp: 1032
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0
61 52.7 45.0 67.6

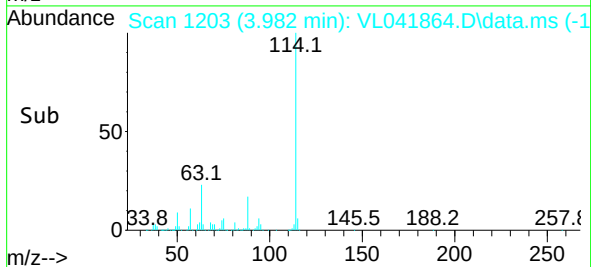
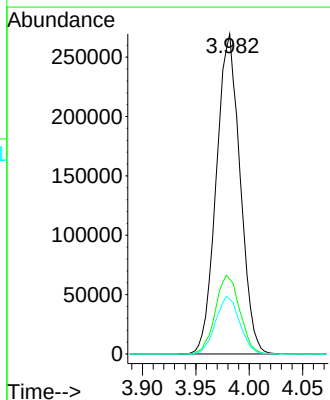
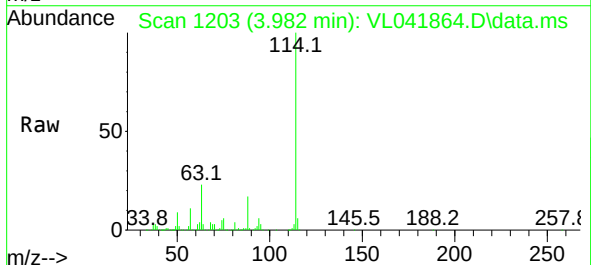
Manual Integrations
APPROVED

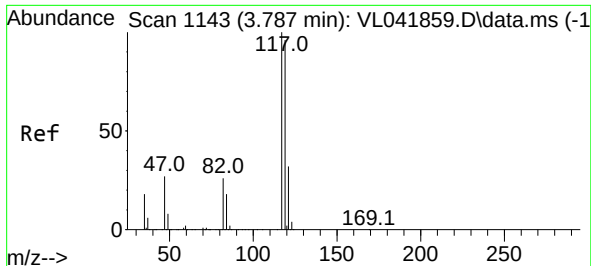
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.982 min Scan# 1203
Delta R.T. 0.007 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

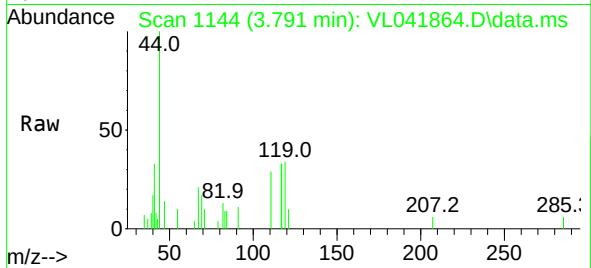
Tgt Ion:114 Resp: 417764
Ion Ratio Lower Upper
114 100
63 25.3 22.3 33.5
88 18.1 14.9 22.3





#35
Carbon Tetrachloride
Concen: 0.037 ppbv m
RT: 3.791 min Scan# 1143
Delta R.T. 0.010 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

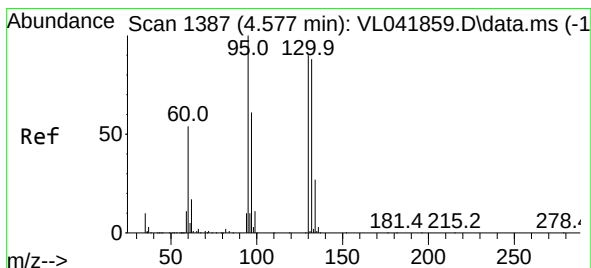
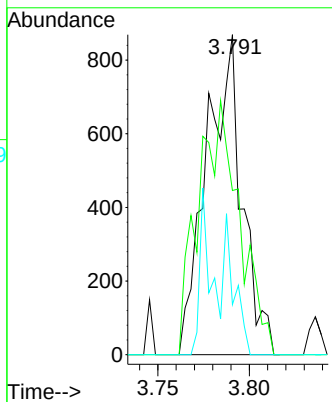
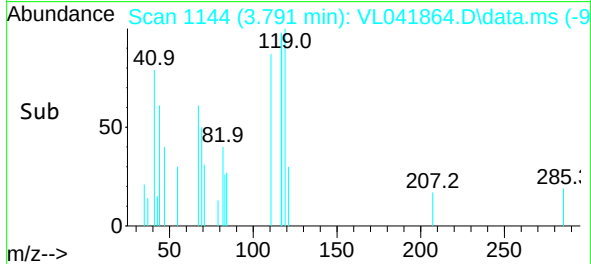
Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03



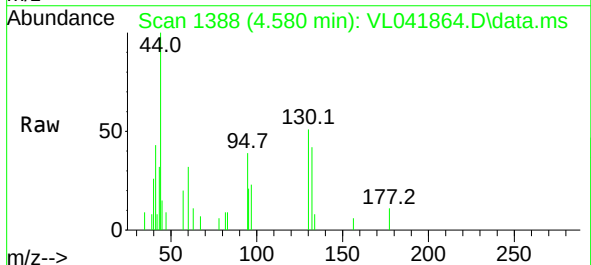
Tgt Ion:117 Resp: 117
Ion Ratio Lower Upper
117 100
119 102.3 79.1 118.7
121 31.2 24.2 36.2

Manual Integrations
APPROVED

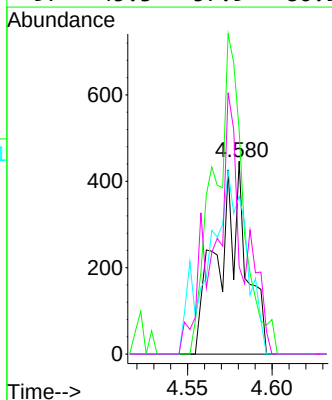
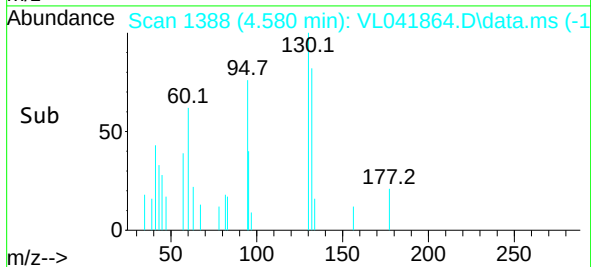
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

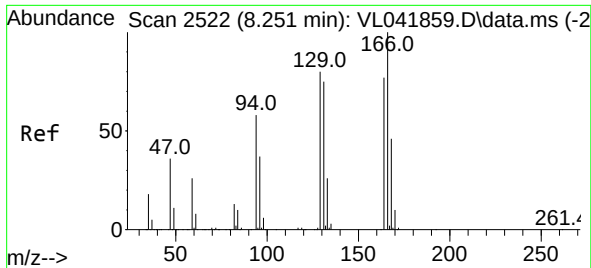


#38
Trichloroethene
Concen: 0.033 ppbv m
RT: 4.580 min Scan# 1388
Delta R.T. 0.010 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54



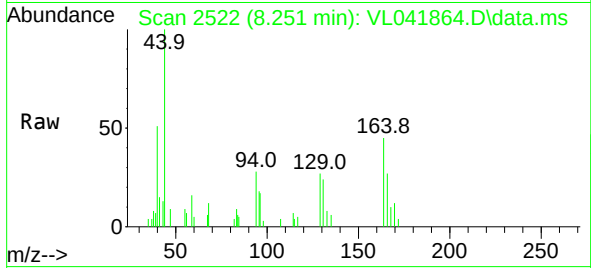
Tgt Ion:130 Resp: 518
Ion Ratio Lower Upper
130 100
95 75.8 90.1 135.1#
132 81.8 71.8 107.8
97 45.3 57.9 86.9#





#52
Tetrachloroethene
Concen: 0.058 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.007 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

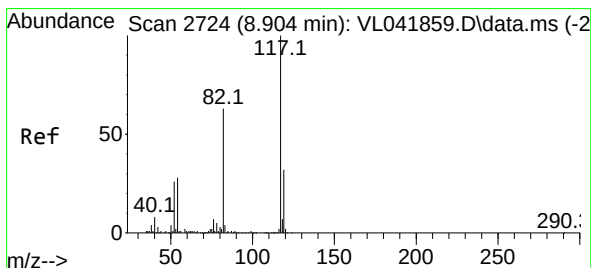
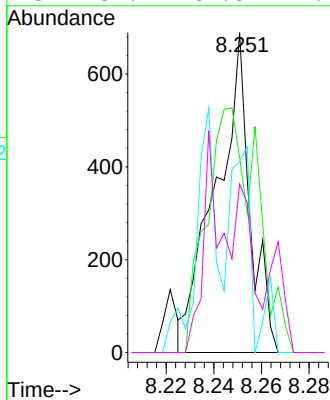
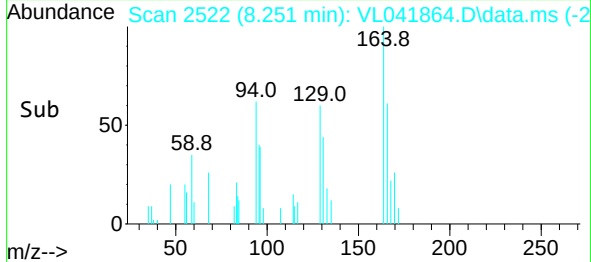
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



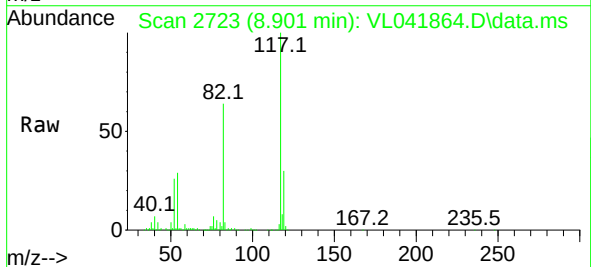
Tgt Ion:164 Resp: 680
Ion Ratio Lower Upper
164 100
166 61.0 100.4 150.6
129 59.7 85.9 128.9
131 52.7 82.8 124.2

Manual Integrations
APPROVED

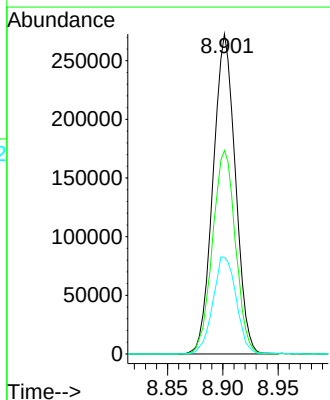
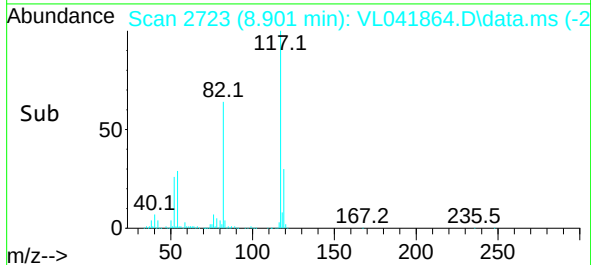
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

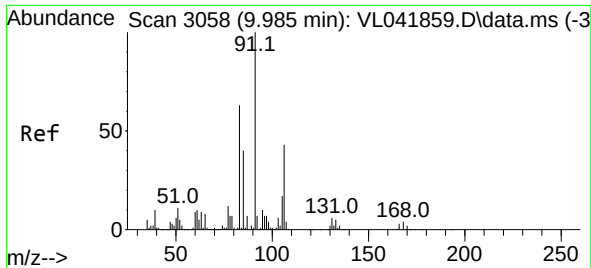


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54



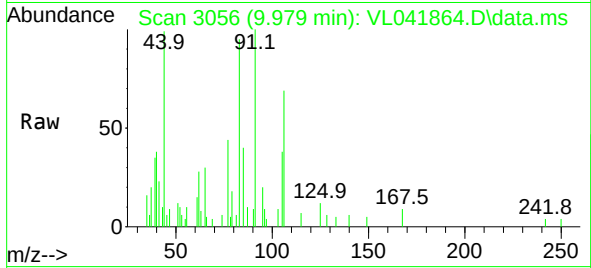
Tgt Ion:117 Resp: 382336
Ion Ratio Lower Upper
117 100
82 65.5 59.1 88.7
119 31.9 27.3 40.9





#63
1,1,2,2-Tetrachloroethane
Concen: 0.027 ppbv
RT: 9.979 min Scan# 3058
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

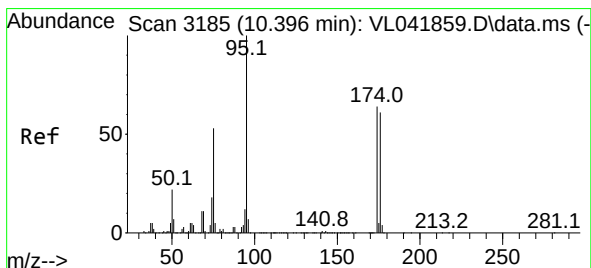
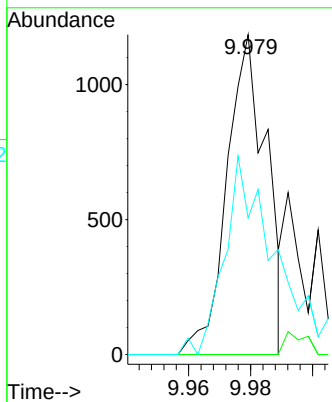
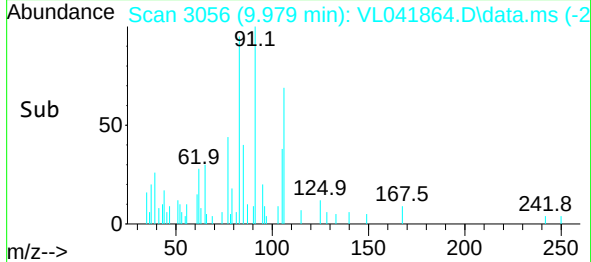
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 83 Resp: 1052
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.3
85 80.2 31.9 95.9

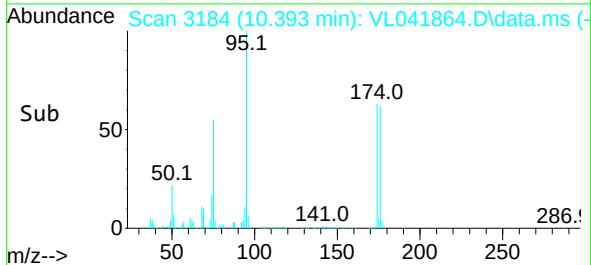
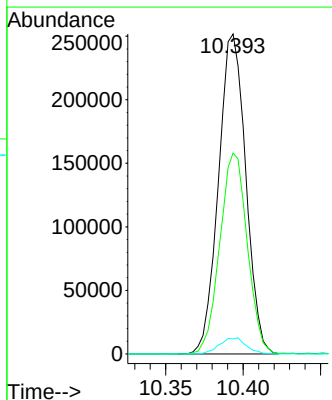
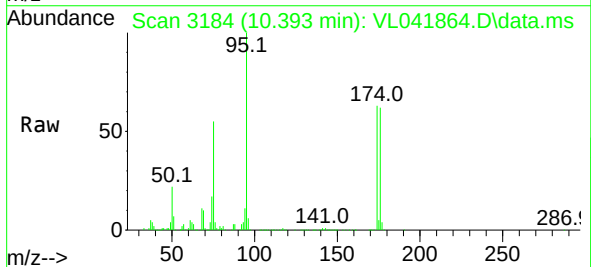
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.408 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 95 Resp: 308087
Ion Ratio Lower Upper
95 100
174 63.3 47.6 71.4
175 5.0 3.8 5.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041865.D
 Acq On : 09 Jan 2025 14:27
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 14:50:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jan 09 13:37:17 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	137279	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	407583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	378604	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 299372 9.232 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	313199	13.904	ppbv	97
3) Chlorodifluoromethane	1.483	51	337217	15.668	ppbv	100
4) Chloromethane	1.538	50	123832	13.369	ppbv	97
5) Vinyl Chloride	1.586	62	121286	12.983	ppbv	100
6) Bromomethane	1.674	94	60238	15.053	ppbv	100
7) Chloroethane	1.713	64	50126	13.938	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	278524	14.332	ppbv	94
9) Propene	1.489	41	153753	20.521	ppbv	97
10) Heptane	5.007	43	414222	22.380	ppbv	95
11) Trichlorofluoromethane	1.887	101	330865	14.446	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	265740	15.579	ppbv	93
13) Ethanol	1.729	45	7417m	8.701	ppbv	
14) Bromoethene	1.790	108	96283	17.241	ppbv #	97
15) Acetone	1.842	43	266190	10.532	ppbv	95
16) 1,3-Butadiene	1.615	39	126652	12.779	ppbv	92
17) tert-Butyl alcohol	2.049	59	359488	16.415	ppbv	99
18) 1,1-Dichloroethene	2.043	96	119220	16.693	ppbv	89
19) Isopropyl Alcohol	1.894	45	160227	13.505	ppbv #	1
20) Methylene Chloride	2.072	84	99639	13.790	ppbv	86
21) Allyl Chloride	2.107	41	206645	15.872	ppbv	90
22) trans-1,2-Dichloroethene	2.353	96	135232	16.942	ppbv	91
23) Vinyl Acetate	2.476	43	172469	21.278	ppbv #	93
24) 1,1-Dichloroethane	2.421	63	258532	14.799	ppbv	98
25) Ethyl Acetate	2.852	43	804978	18.993	ppbv	98
26) Hexane	2.842	57	323683	22.004	ppbv	88
27) Carbon Disulfide	2.162	76	327476	23.457	ppbv #	91
28) Methyl tert-Butyl Ether	2.454	73	238377	21.502	ppbv	98
29) Chloroform	2.865	83	453699	16.603	ppbv	97
30) Cyclohexane	3.878	84	283640	25.414	ppbv	89
31) cis-1,2-Dichloroethene	2.735	61	319115	21.076	ppbv	95
32) 1,1,1-Trichloroethane	3.389	97	467121	18.862	ppbv	94
34) 2-Butanone	2.570	43	467080	14.548	ppbv	96
35) Carbon Tetrachloride	3.784	117	460791	14.959	ppbv	93
36) Benzene	3.677	78	663984	17.053	ppbv	95
37) 1,2-Dichloroethane	3.237	62	353759	13.820	ppbv #	96
38) Trichloroethene	4.577	130	262977	17.230	ppbv	97
39) 1,2-Dichloropropane	4.341	63	238460	15.832	ppbv #	84
40) 1,4-Dioxane	4.609	88	117449	20.124	ppbv #	84
41) Tetrahydrofuran	3.072	42	273858	18.096	ppbv	92
42) Bromodichloromethane	4.515	83	507098	16.892	ppbv	100
43) Methyl Methacrylate	4.910	69	276446	22.609	ppbv	89
44) 2,2,4-Trimethylpentane	4.668	57	1112501	17.341	ppbv	93
45) t-1,3-Dichloropropene	6.448	75	290137	24.306	ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041865.D
 Acq On : 09 Jan 2025 14:27
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 14:50:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

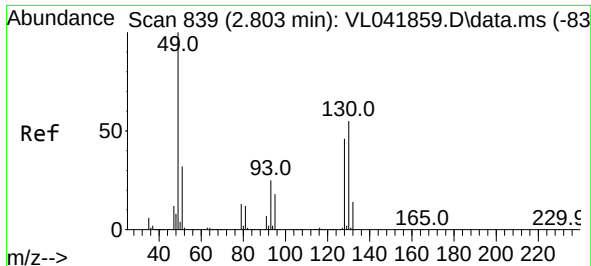
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jan 09 13:37:17 2025

Response via : Initial Calibration

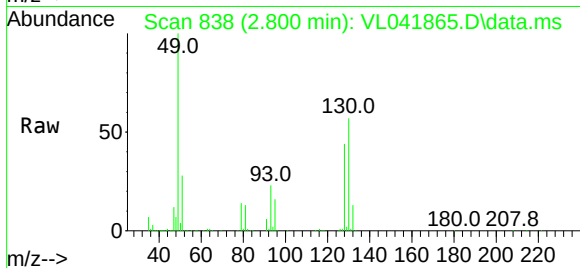
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.635	75	370479	23.592	ppbv	#	85
47) 1,1,2-Trichloroethane	6.616	97	252224	15.833	ppbv		96
48) Dibromochloromethane	7.412	129	408959	20.167	ppbv		99
49) Bromoform	9.503	173	362905	22.331	ppbv		99
50) 4-Methyl-2-Pentanone	5.787	43	680330	18.341	ppbv		92
51) 2-Hexanone	7.461	43	557793	19.852	ppbv	#	87
52) Tetrachloroethene	8.247	164	233663	20.236	ppbv		97
53) Toluene	6.966	91	796461	22.957	ppbv		99
54) 1,2-Dibromoethane	7.678	107	353045	18.098	ppbv		98
56) 1,1,1,2-Tetrachloroethane	8.946	131	318489	14.760	ppbv		99
57) Chlorobenzene	8.943	112	578775	14.632	ppbv		100
58) Ethyl Benzene	9.377	91	1081235	20.954	ppbv		100
59) m/p-Xylene	9.574	91	1713669m	37.624	ppbv		
60) o-Xylene	9.985	91	840494	18.971	ppbv		99
61) Styrene	9.892	104	431280	25.091	ppbv		98
62) Isopropylbenzene	10.558	105	1247161	17.917	ppbv		100
63) 1,1,2,2-Tetrachloroethane	9.982	83	496124	12.770	ppbv		100
64) n-propylbenzene	11.008	120	326937	18.307	ppbv		90
65) tert-Butylbenzene	11.549	119	1082296	17.255	ppbv		97
66) Benzyl Chloride	11.633	91	113138	21.582	ppbv		96
67) sec-Butylbenzene	11.785	105	1472665	16.090	ppbv		97
69) p-Isopropyltoluene	11.944	119	1277666	17.781	ppbv		98
70) n-Butylbenzene	12.300	91	1262477	17.488	ppbv		95
71) 2-Chlorotoluene	10.921	91	958596	18.973	ppbv		100
72) 4-Ethyltoluene	11.144	105	1009262	18.837	ppbv		98
73) 1,3,5-Trimethylbenzene	11.222	105	866209	18.459	ppbv		96
74) 1,2,4-Trimethylbenzene	11.555	105	905561	16.660	ppbv		92
75) 1,3-Dichlorobenzene	11.626	146	550141	15.122	ppbv		98
76) 1,4-Dichlorobenzene	11.688	146	550306	15.719	ppbv		98
77) 1,2-Dichlorobenzene	11.966	146	519421	13.701	ppbv		99
78) Hexachloro-1,3-Butadiene	13.898	225	411642	15.294	ppbv		99
79) Naphthalene	13.529	128	896443	22.388	ppbv		98
80) Naphthalene,2-methyl-	14.475	142	442992	29.892	ppbv		98
81) 1,2,4-Trichlorobenzene	13.458	180	436412	19.665	ppbv		99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

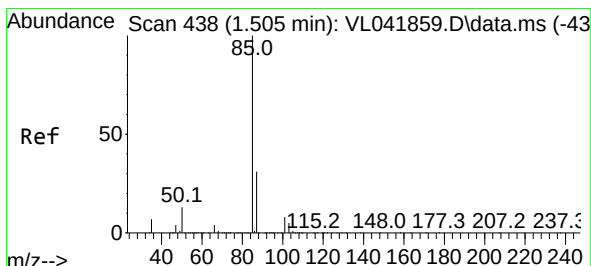
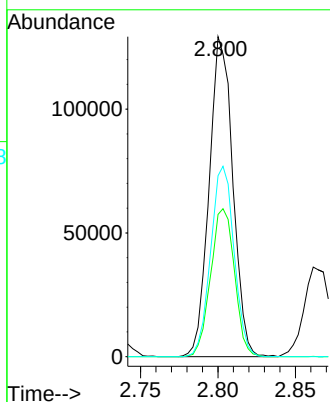
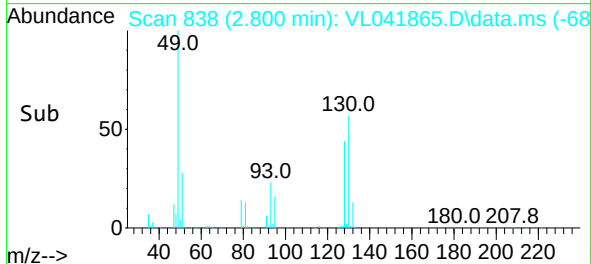
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



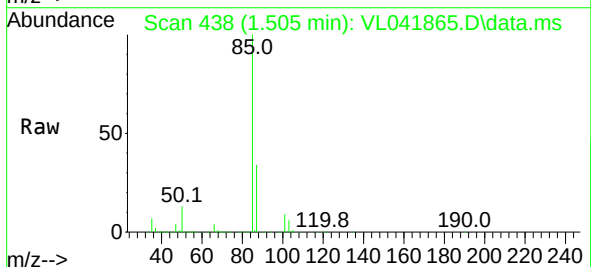
Tgt Ion: 49 Resp: 137279
Ion Ratio Lower Upper
49 100
128 46.6 19.7 59.1
130 59.0 26.4 79.2

Manual Integrations
APPROVED

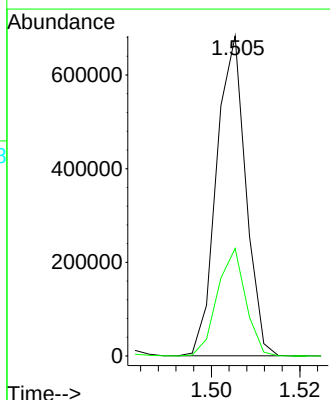
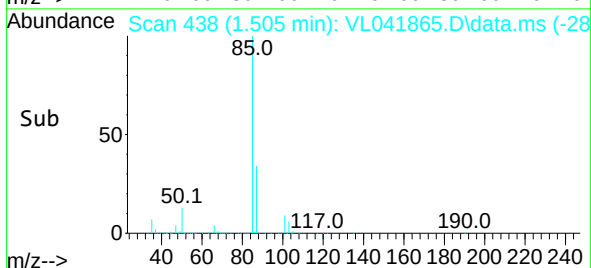
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

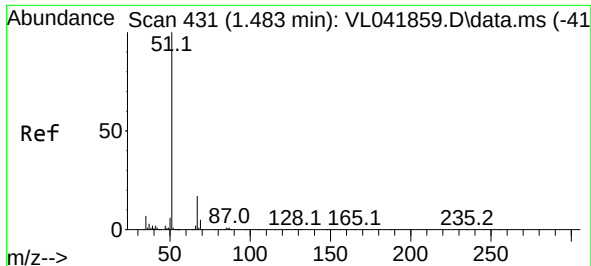


#2
Dichlorodifluoromethane
Concen: 13.904 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



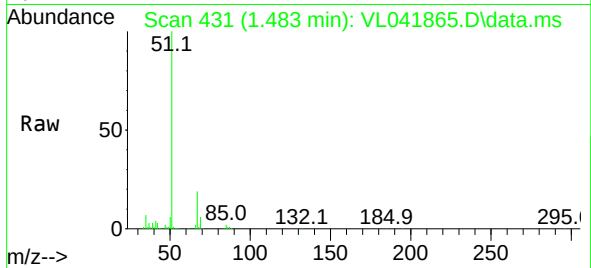
Tgt Ion: 85 Resp: 313199
Ion Ratio Lower Upper
85 100
87 33.6 25.6 38.4





#3
Chlorodifluoromethane
Concen: 15.668 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

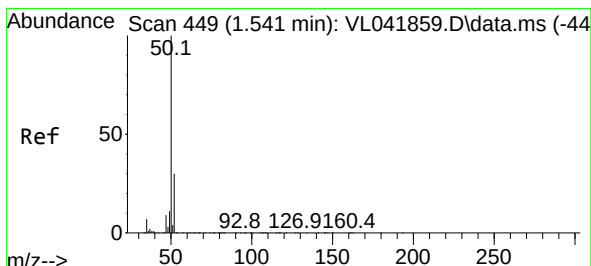
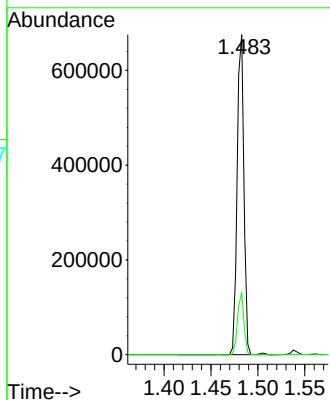
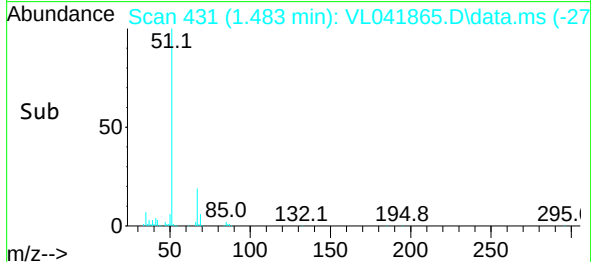
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



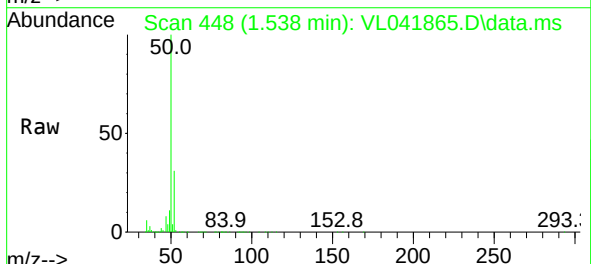
Tgt Ion: 51 Resp: 33721
Ion Ratio Lower Upper
51 100
67 18.3 14.6 22.0

Manual Integrations
APPROVED

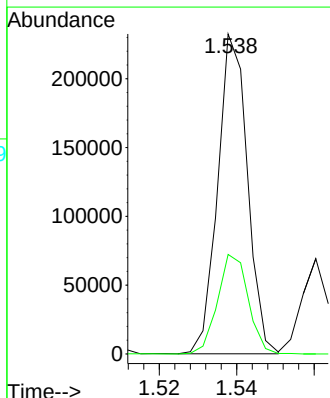
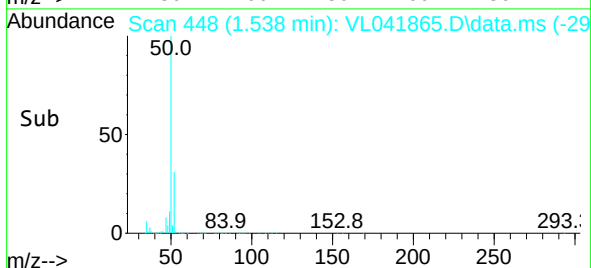
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

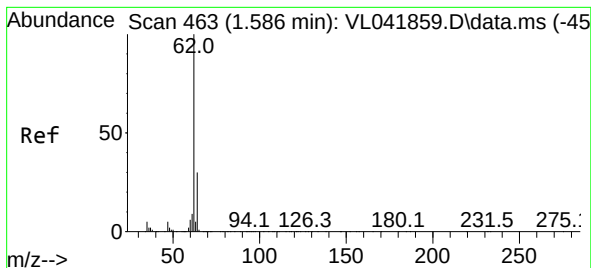


#4
Chloromethane
Concen: 13.369 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion: 50 Resp: 123832
Ion Ratio Lower Upper
50 100
52 31.1 26.1 39.1





#5

Vinyl Chloride

Concen: 12.983 ppbv

RT: 1.586 min Scan# 40

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 62 Resp: 121280

Ion Ratio Lower Upper

62 100

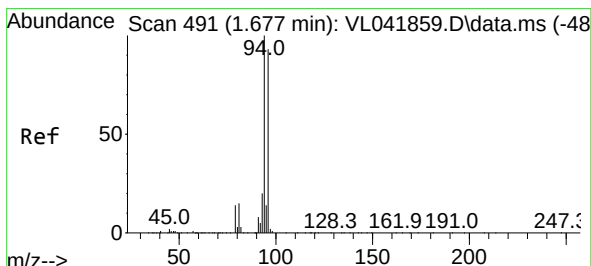
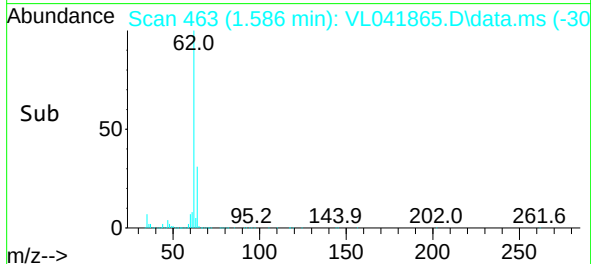
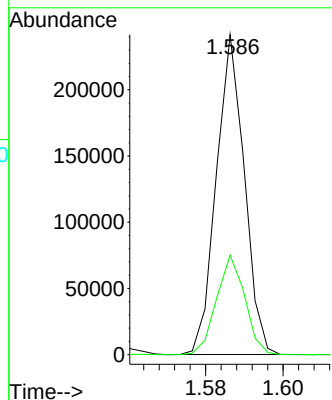
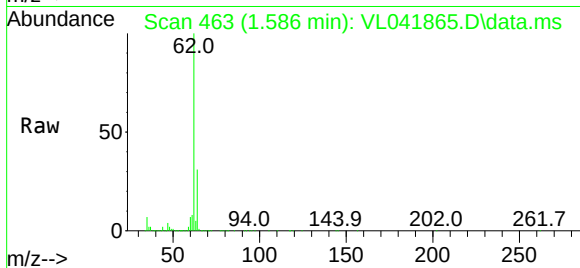
64 31.1 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#6

Bromomethane

Concen: 15.053 ppbv

RT: 1.674 min Scan# 490

Delta R.T. 0.000 min

Lab File: VL041865.D

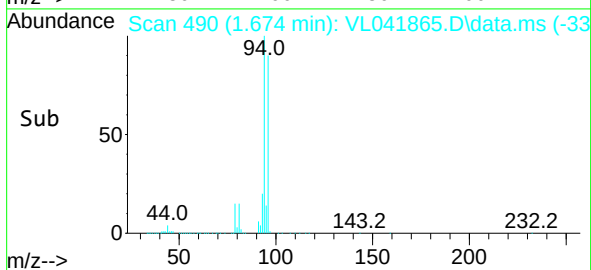
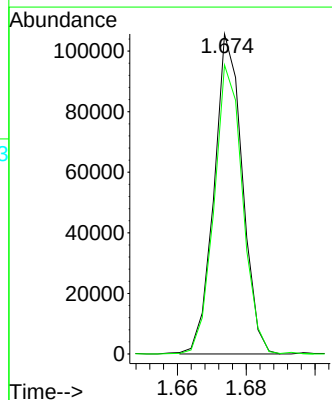
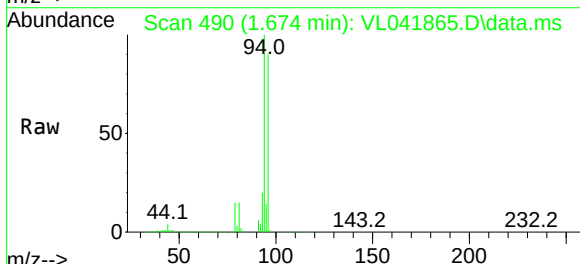
Acq: 09 Jan 2025 14:27

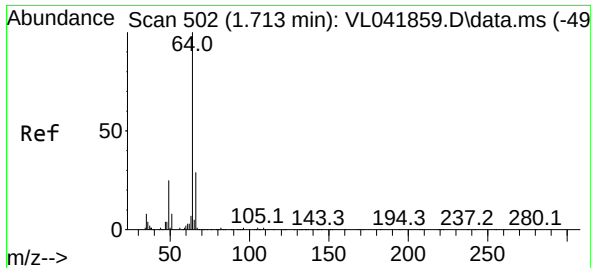
Tgt Ion: 94 Resp: 60238

Ion Ratio Lower Upper

94 100

96 90.1 72.0 108.0





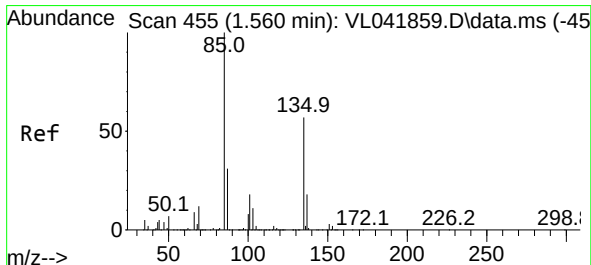
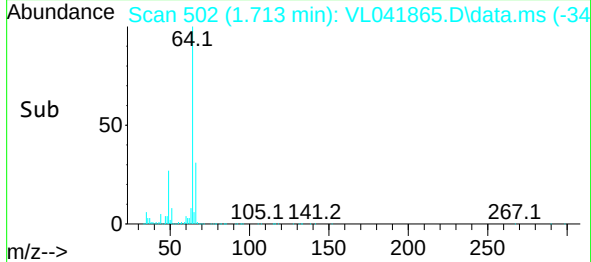
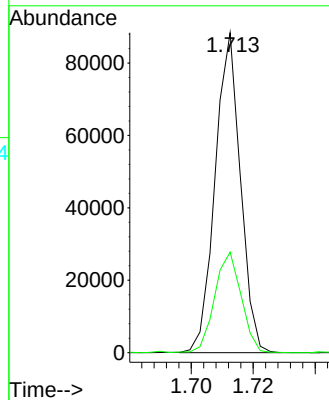
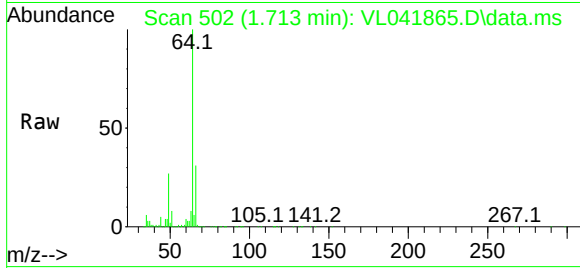
#7
Chloroethane
Concen: 13.938 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 64 Resp: 50120
Ion Ratio Lower Upper
64 100
66 31.5 25.6 38.4

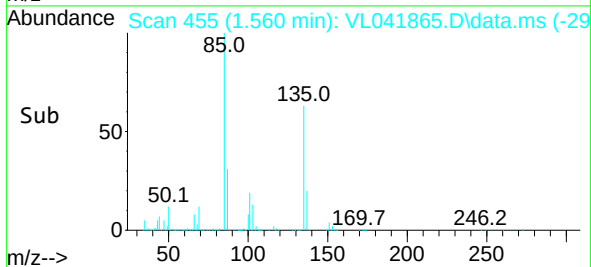
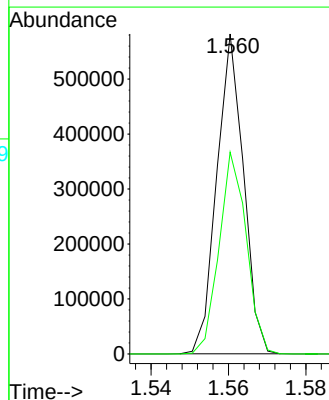
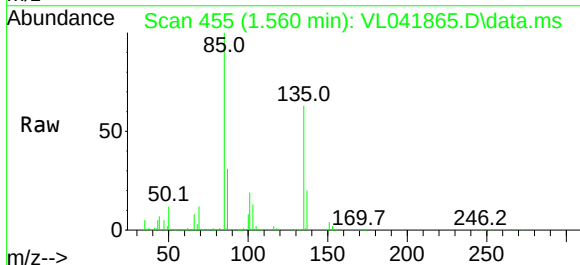
Manual Integrations
APPROVED

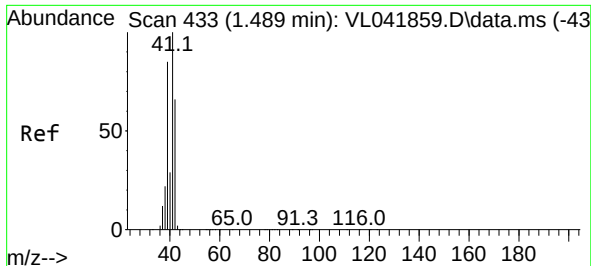
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#8
Dichlorotetrafluoroethane
Concen: 14.332 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

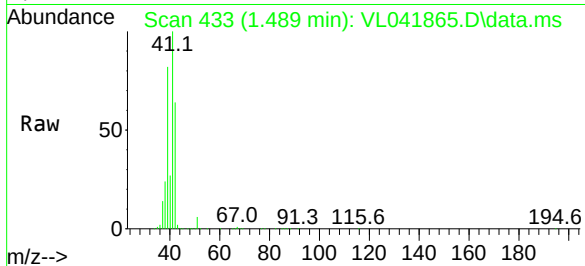
Tgt Ion: 85 Resp: 278524
Ion Ratio Lower Upper
85 100
135 64.6 47.9 71.9





#9
 Propene
 Concen: 20.521 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

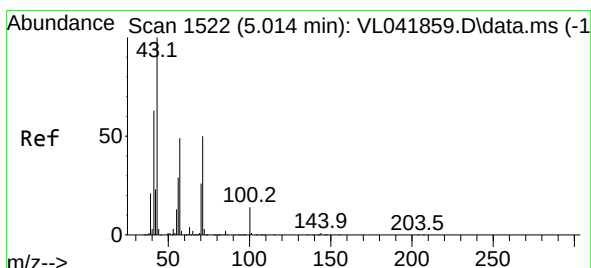
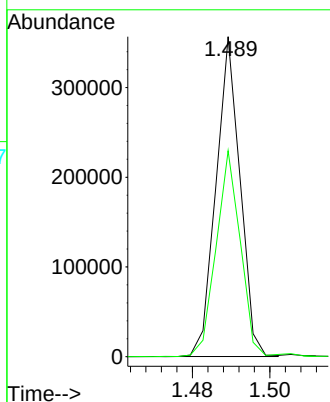
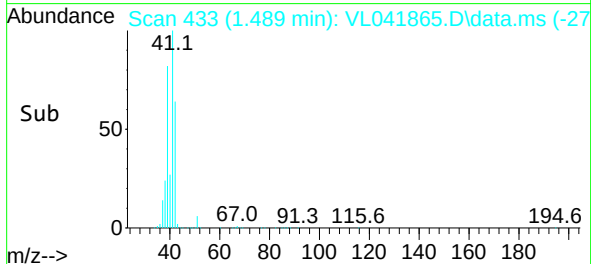
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



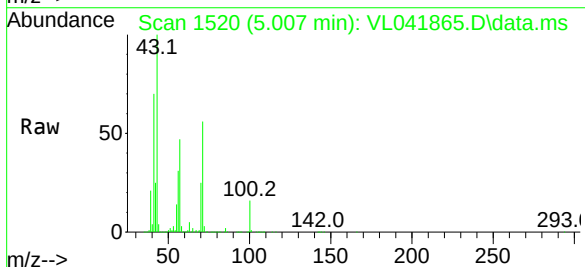
Tgt Ion: 41 Resp: 15375
 Ion Ratio Lower Upper
 41 100
 42 65.7 54.4 81.6

Manual Integrations
 APPROVED

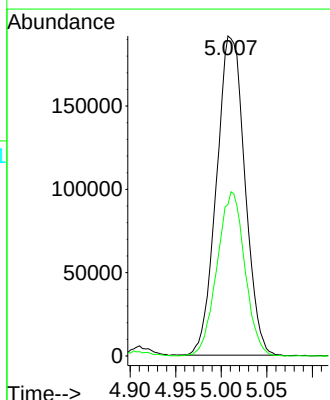
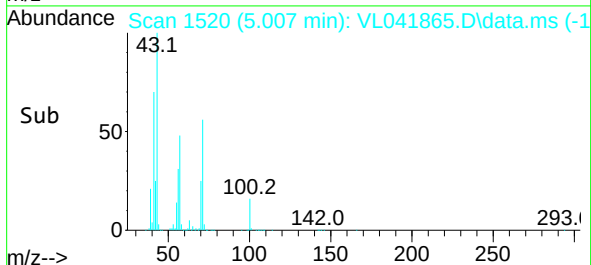
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

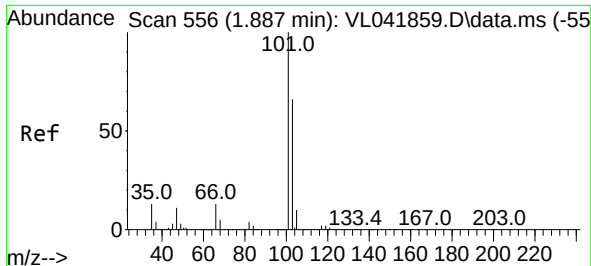


#10
 Heptane
 Concen: 22.380 ppbv
 RT: 5.007 min Scan# 1520
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



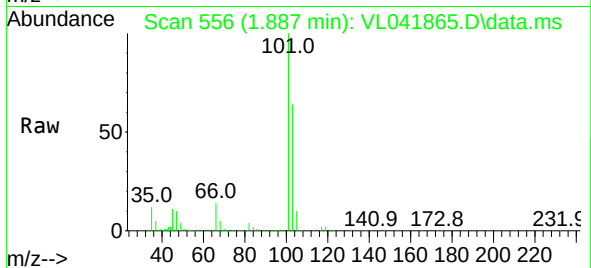
Tgt Ion: 43 Resp: 414222
 Ion Ratio Lower Upper
 43 100
 57 50.4 37.8 56.6





#11
Trichlorofluoromethane
Concen: 14.446 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

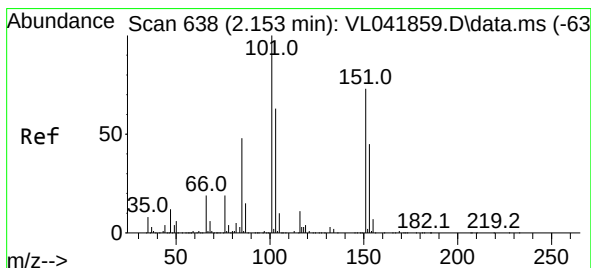
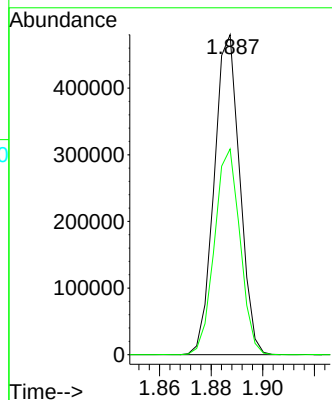
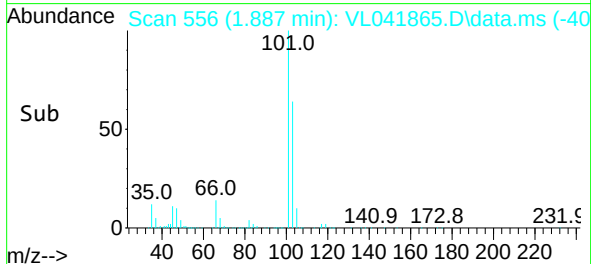
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



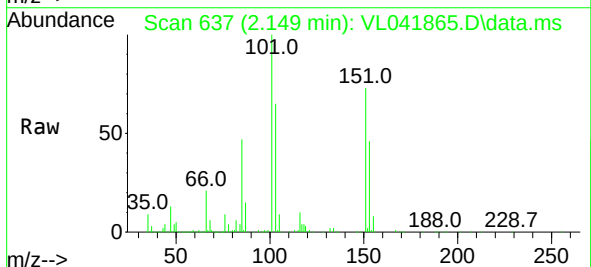
Tgt Ion:101 Resp: 33086
Ion Ratio Lower Upper
101 100
103 64.3 49.4 74.0

Manual Integrations
APPROVED

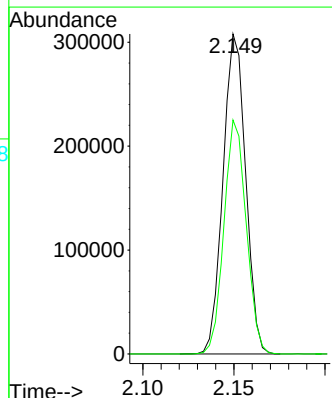
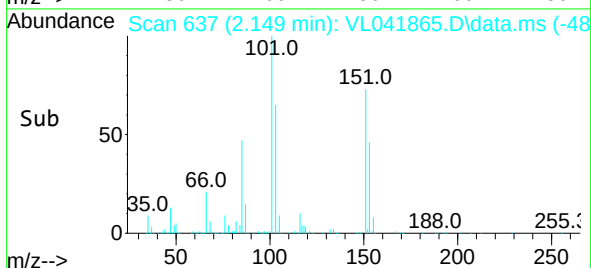
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

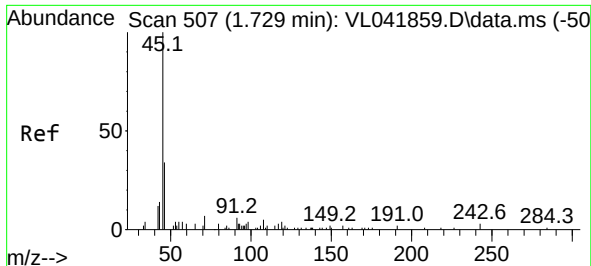


#12
1,1,2-Trichlorotrifluoroethane
Concen: 15.579 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



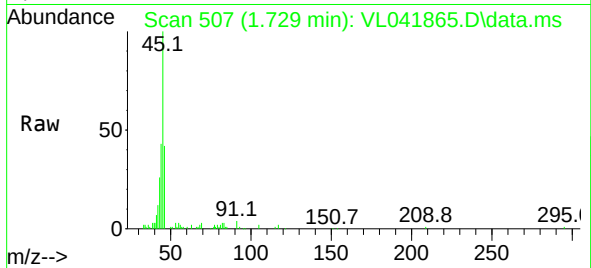
Tgt Ion:101 Resp: 265740
Ion Ratio Lower Upper
101 100
151 71.9 53.2 79.8





#13
Ethanol
Concen: 8.701 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

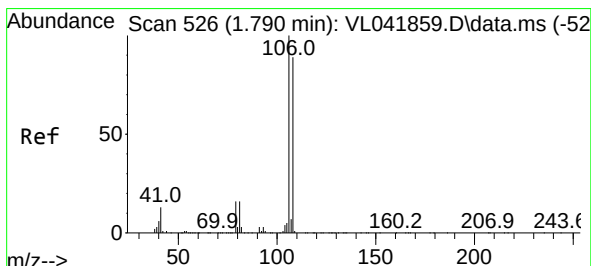
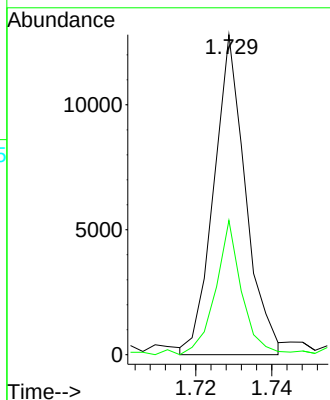
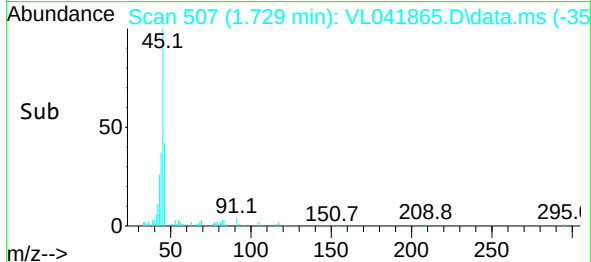
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



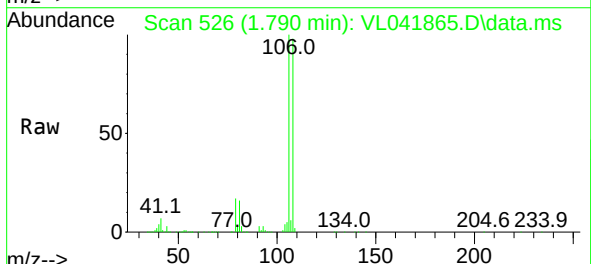
Tgt Ion: 45 Resp: 741
Ion Ratio Lower Upper
45 100
46 39.4 16.1 64.5

Manual Integrations
APPROVED

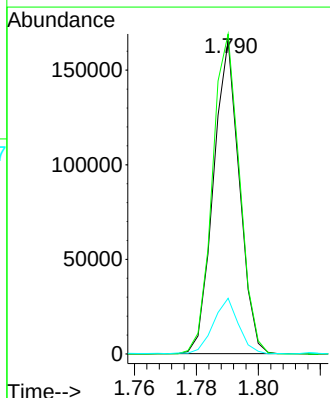
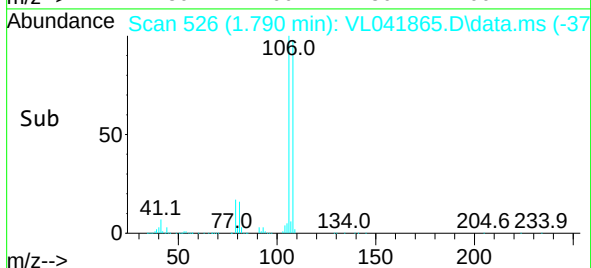
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

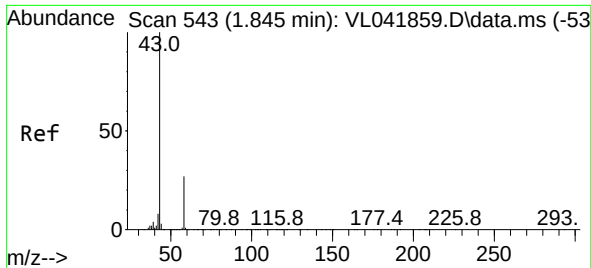


#14
Bromoethene
Concen: 17.241 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



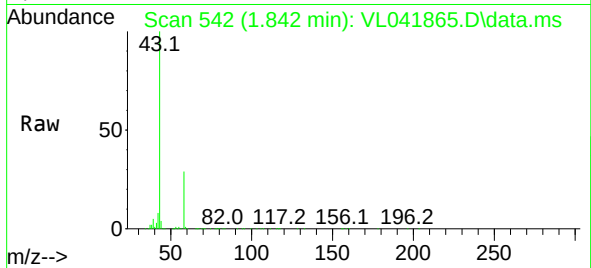
Tgt Ion:108 Resp: 96283
Ion Ratio Lower Upper
108 100
106 107.2 84.6 126.8
79 17.7 18.3 27.5#





#15
Acetone
Concen: 10.532 ppbv
RT: 1.842 min Scan# 543
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

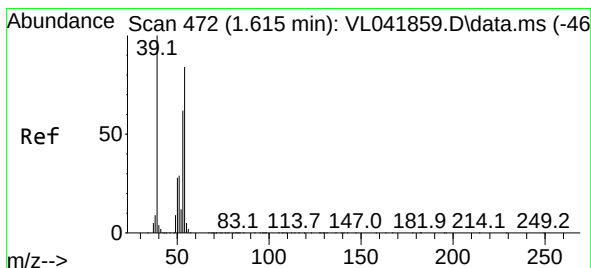
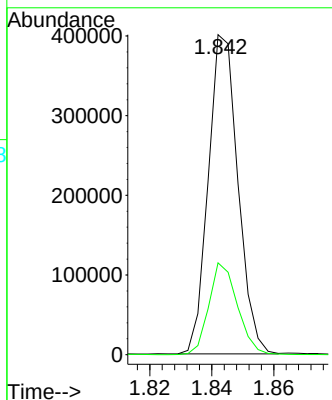
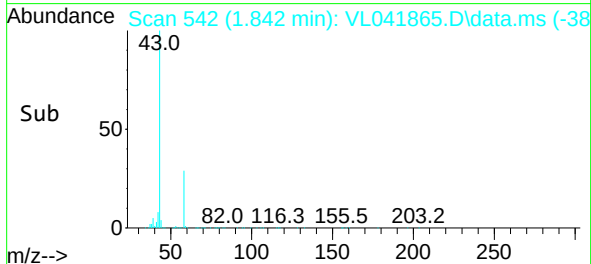
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



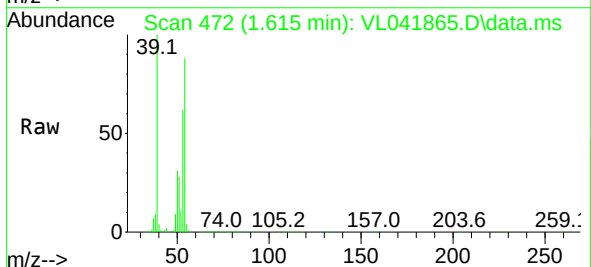
Tgt Ion: 43 Resp: 266190
Ion Ratio Lower Upper
43 100
58 27.9 20.2 30.2

Manual Integrations
APPROVED

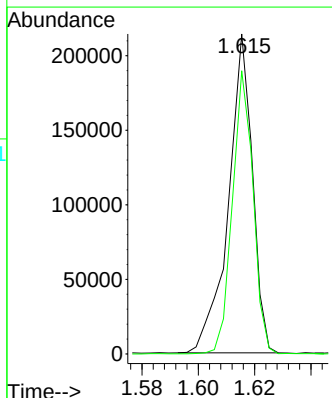
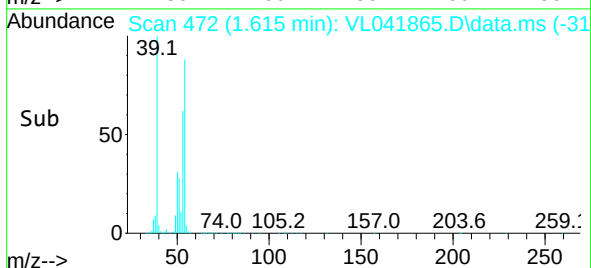
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

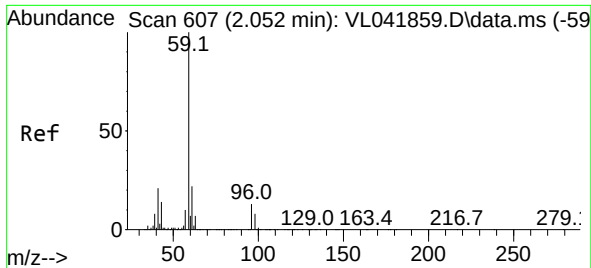


#16
1,3-Butadiene
Concen: 12.779 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion: 39 Resp: 126652
Ion Ratio Lower Upper
39 100
54 76.8 56.2 84.4





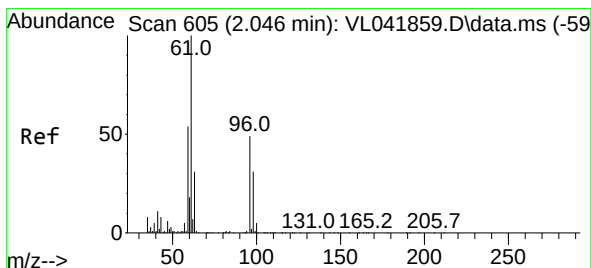
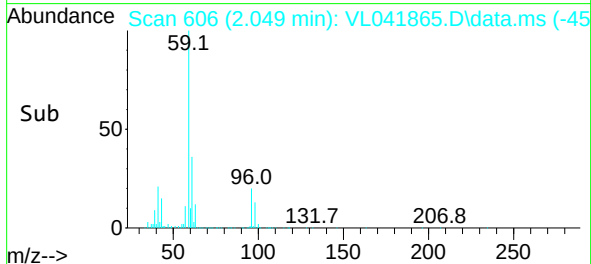
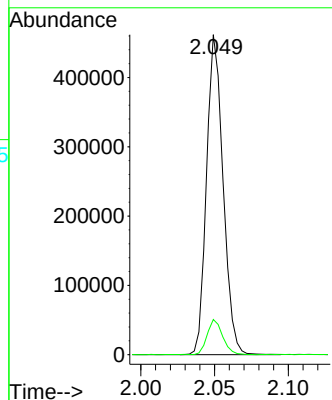
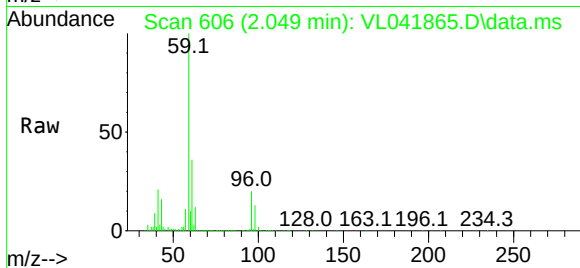
#17
tert-Butyl alcohol
Concen: 16.415 ppbv
RT: 2.049 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 359488
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0

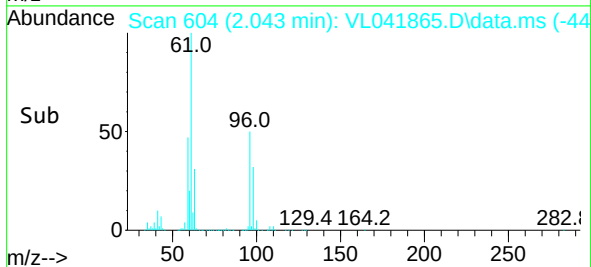
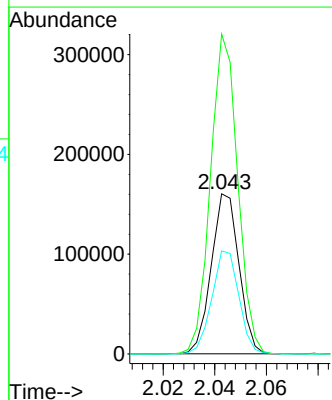
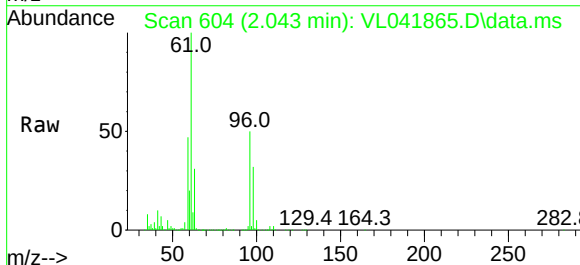
Manual Integrations
APPROVED

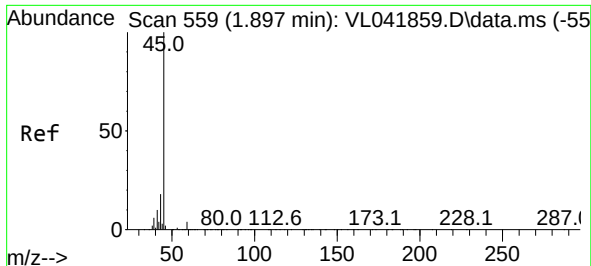
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#18
1,1-Dichloroethene
Concen: 16.693 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

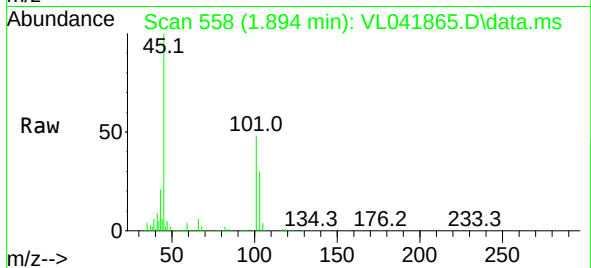
Tgt Ion: 96 Resp: 119220
Ion Ratio Lower Upper
96 100
61 200.1 179.2 268.8
98 64.4 51.6 77.4





#19
Isopropyl Alcohol
Concen: 13.505 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

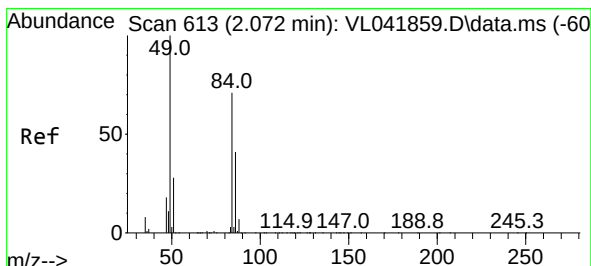
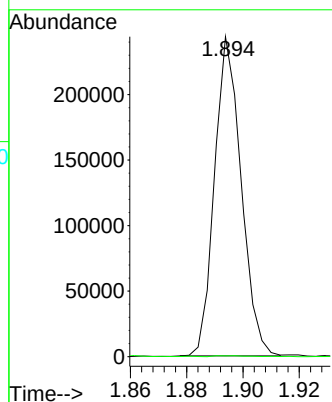
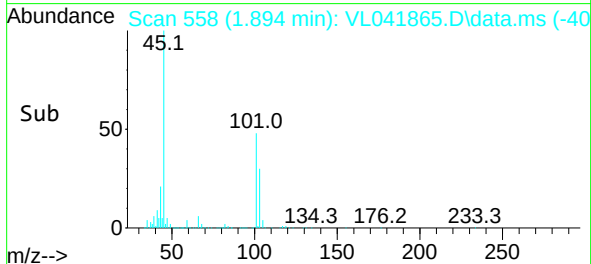
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 45 Resp: 160227
Ion Ratio Lower Upper
45 100
58 46.4 2.0 3.0

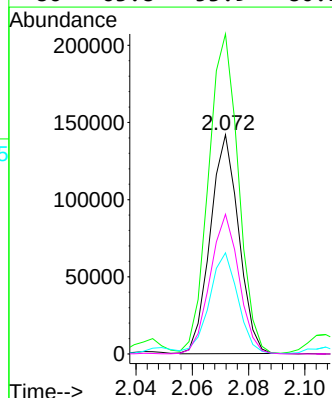
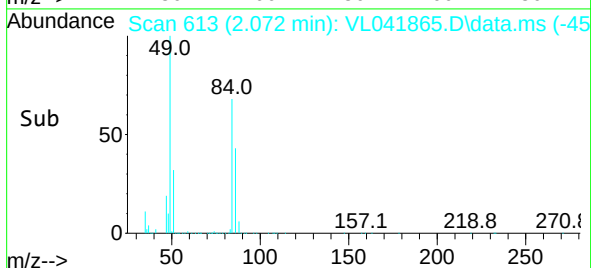
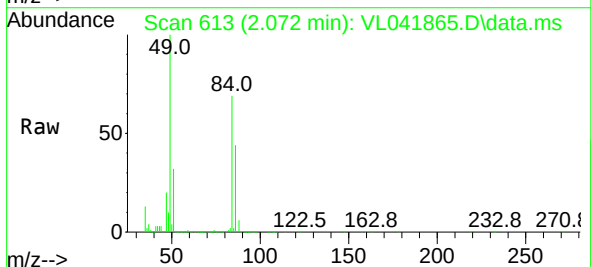
Manual Integrations
APPROVED

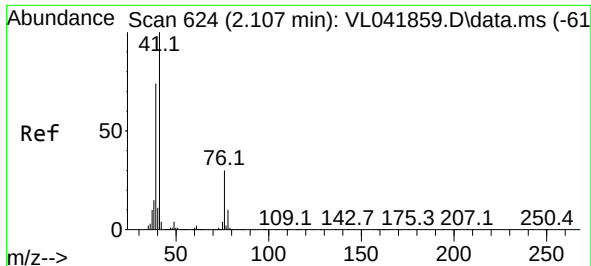
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#20
Methylene Chloride
Concen: 13.790 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

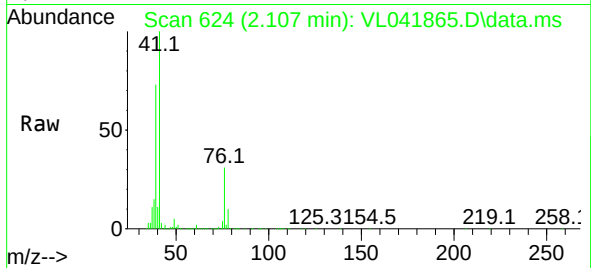
Tgt Ion: 84 Resp: 99639
Ion Ratio Lower Upper
84 100
49 145.9 137.8 206.8
51 46.0 43.9 65.9
86 63.8 53.9 80.9





#21
 Allyl Chloride
 Concen: 15.872 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

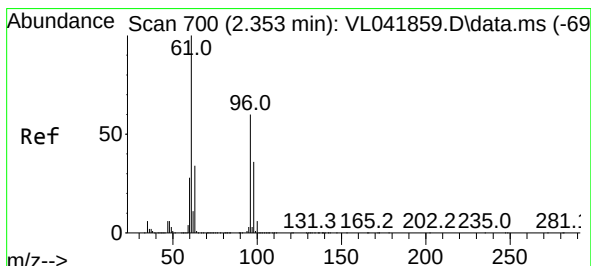
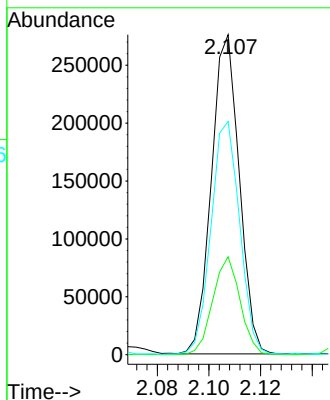
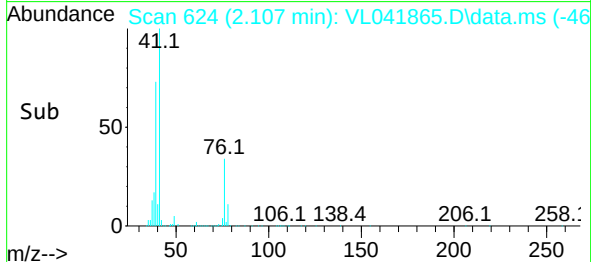
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



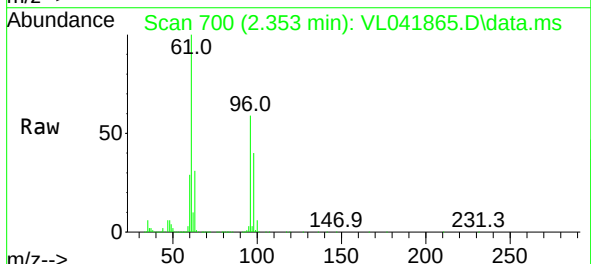
Tgt Ion: 41 Resp: 206649
 Ion Ratio Lower Upper
 41 100
 76 30.3 20.6 31.0
 39 74.6 67.4 101.2

Manual Integrations
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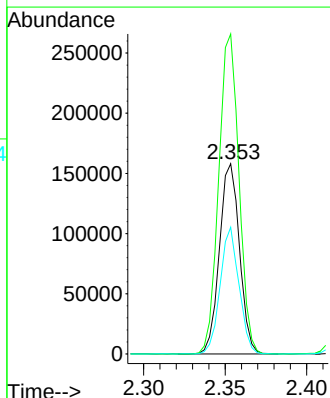
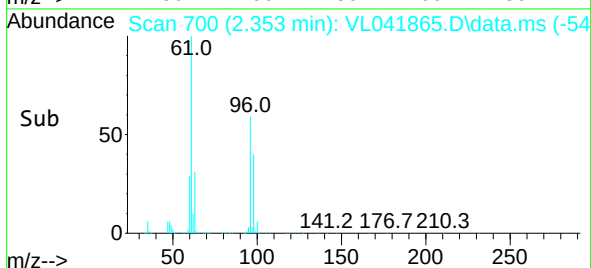
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

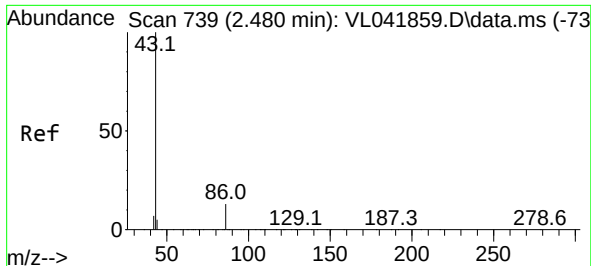


#22
 trans-1,2-Dichloroethene
 Concen: 16.942 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



Tgt Ion: 96 Resp: 135232
 Ion Ratio Lower Upper
 96 100
 61 168.2 144.0 216.0
 98 66.7 46.9 70.3





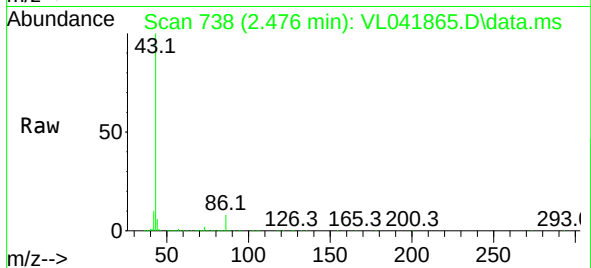
#23
 Vinyl Acetate
 Concen: 21.278 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

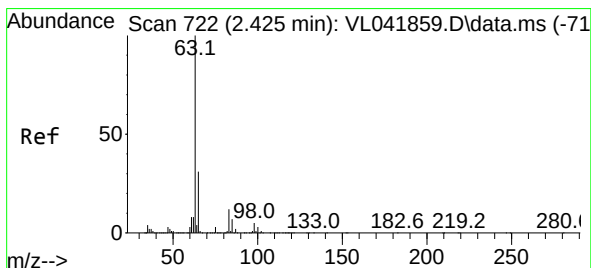
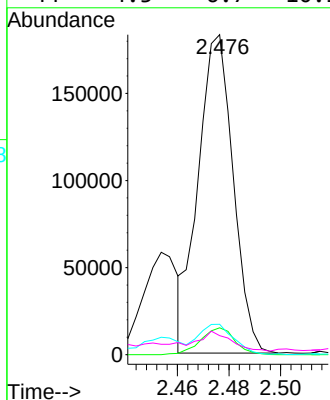
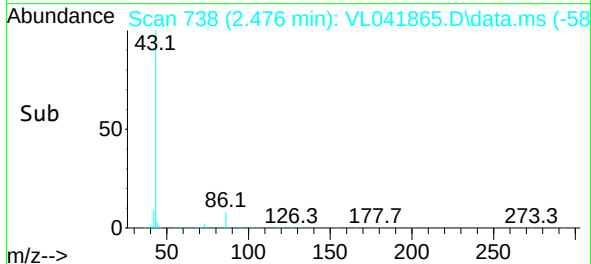


Tgt Ion: 43 Resp: 172469
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.4 9.6
 42 9.3 9.5 14.3
 44 4.3 6.7 10.1#

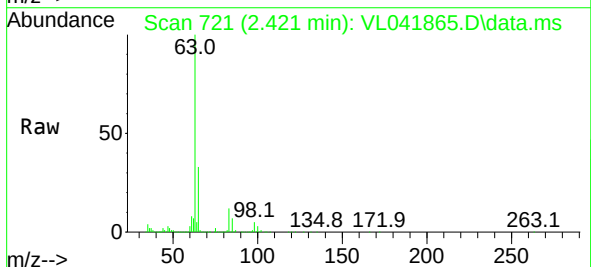
Manual Integrations

APPROVED

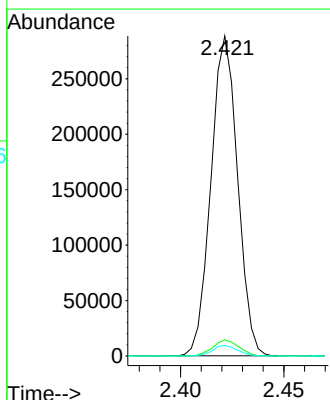
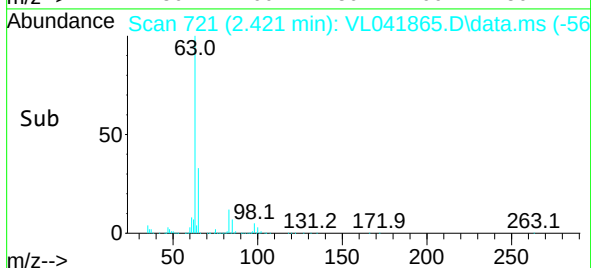
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

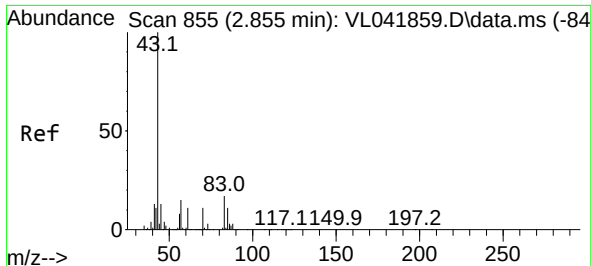


#24
 1,1-Dichloroethane
 Concen: 14.799 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



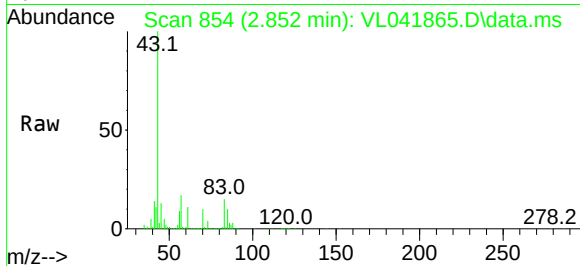
Tgt Ion: 63 Resp: 258532
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.3 6.9
 100 3.3 1.4 4.0





#25
Ethyl Acetate
Concen: 18.993 ppbv
RT: 2.852 min Scan# 804978
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

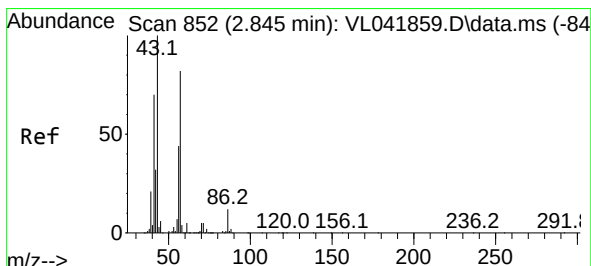
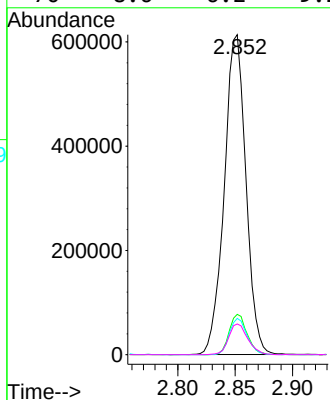
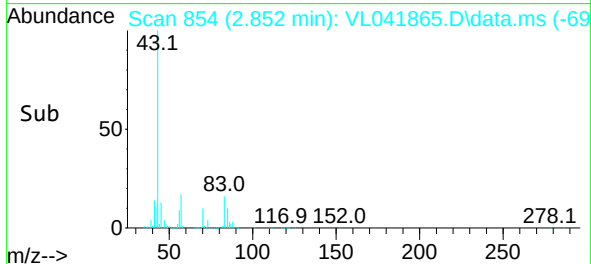
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



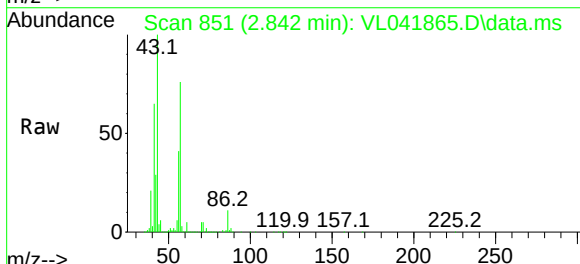
Tgt Ion: 43 Resp: 804978
Ion Ratio Lower Upper
43 100
45 10.4 7.8 11.8
61 9.4 7.0 10.6
70 8.6 6.2 9.2

Manual Integrations
APPROVED

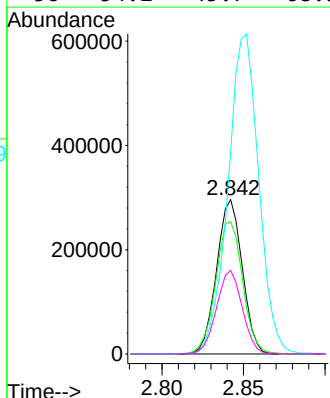
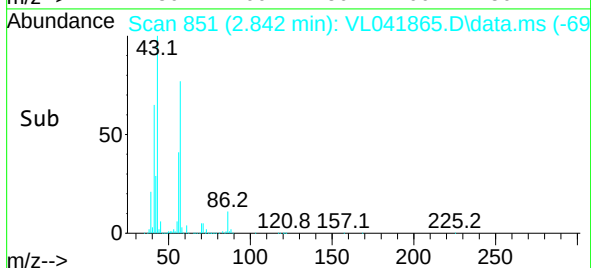
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

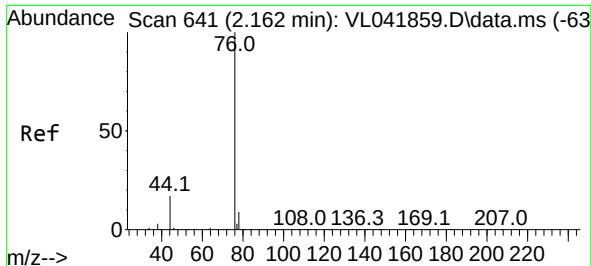


#26
Hexane
Concen: 22.004 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



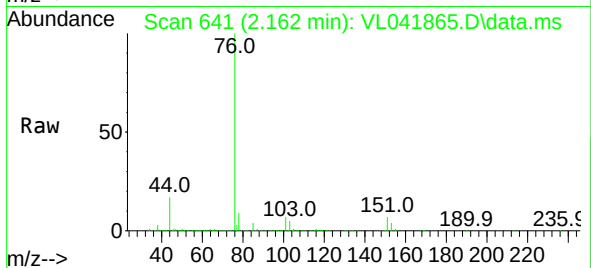
Tgt Ion: 57 Resp: 323683
Ion Ratio Lower Upper
57 100
41 90.9 84.1 126.1
43 250.1 218.4 327.6
56 54.2 45.7 68.5





#27
Carbon Disulfide
Concen: 23.457 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

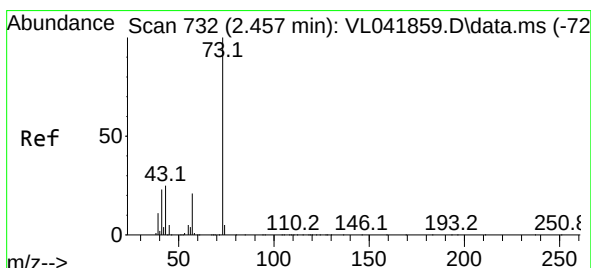
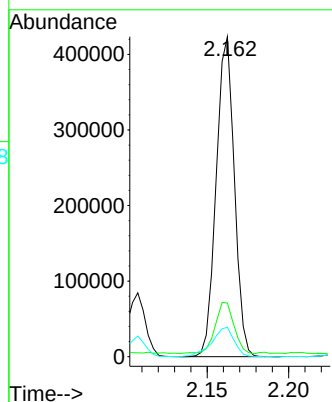
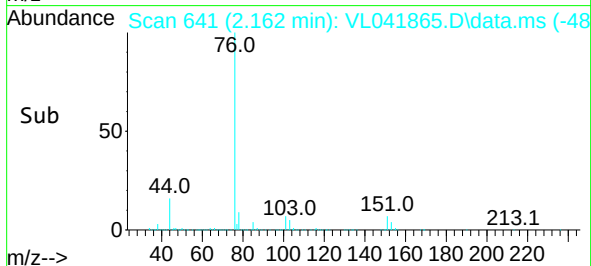
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 76 Resp: 327470
Ion Ratio Lower Upper
76 100
44 18.6 19.8 29.8
78 11.3 9.8 14.8

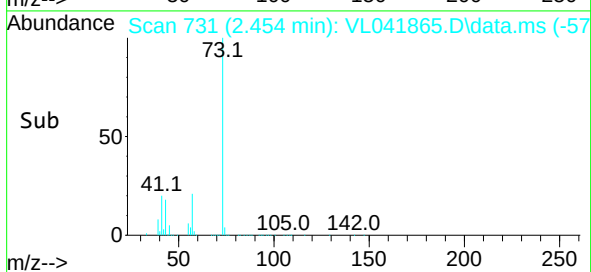
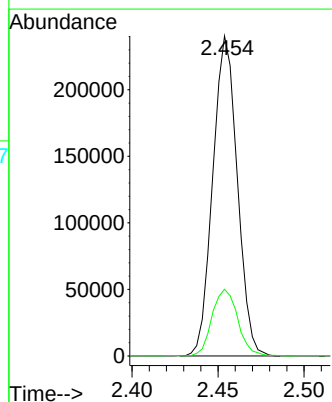
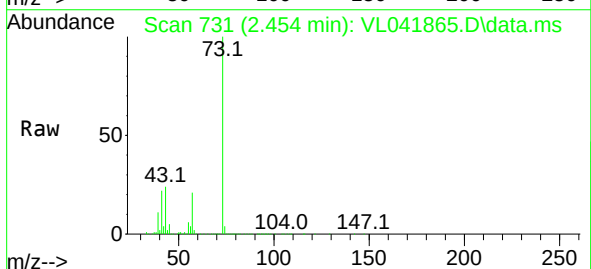
Manual Integrations
APPROVED

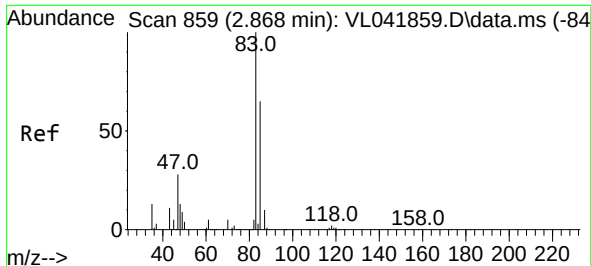
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#28
Methyl tert-Butyl Ether
Concen: 21.502 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 73 Resp: 238377
Ion Ratio Lower Upper
73 100
57 21.9 18.4 27.6





#29

Chloroform

Concen: 16.603 ppbv

RT: 2.865 min Scan# 859

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 83 Resp: 453699

Ion Ratio Lower Upper

83 100

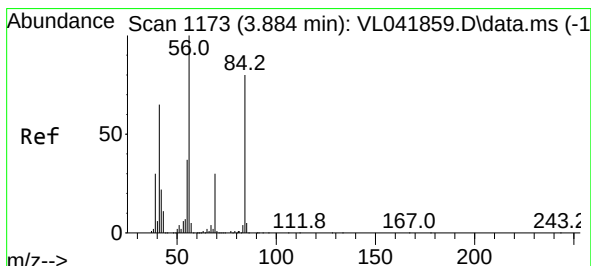
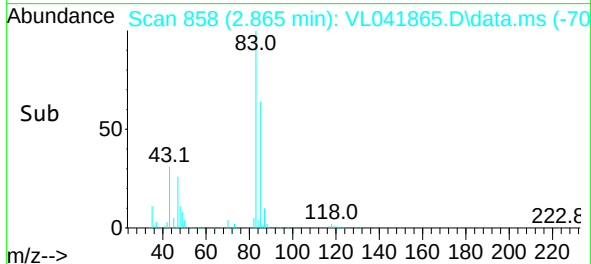
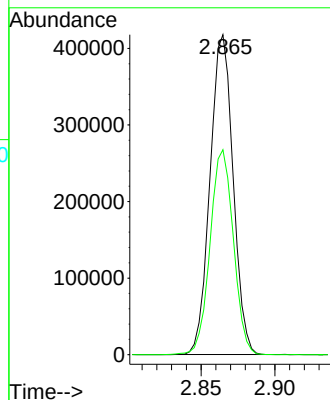
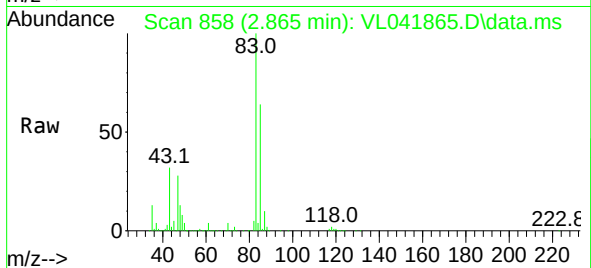
85 64.1 49.6 74.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#30

Cyclohexane

Concen: 25.414 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

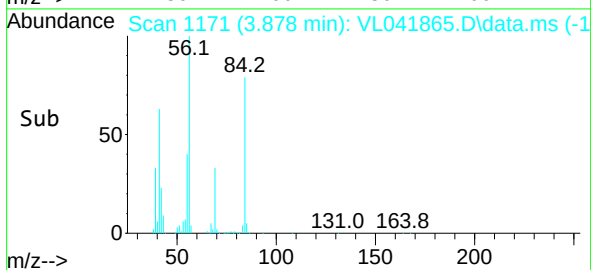
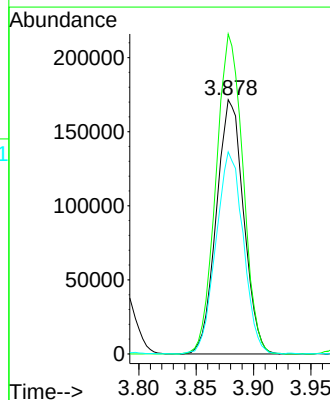
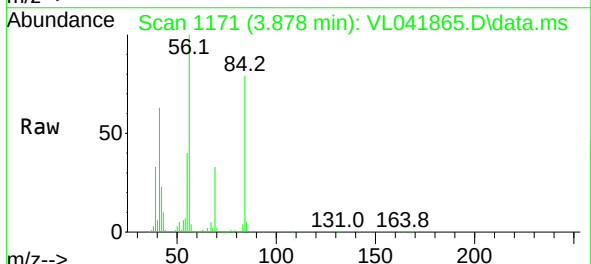
Tgt Ion: 84 Resp: 283640

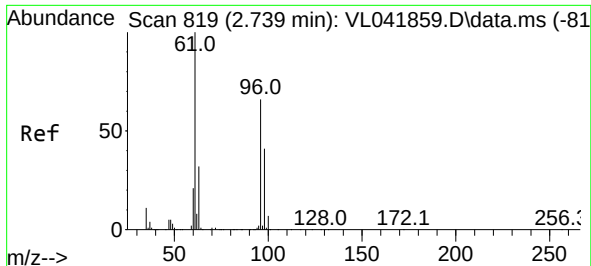
Ion Ratio Lower Upper

84 100

56 124.6 105.0 157.6

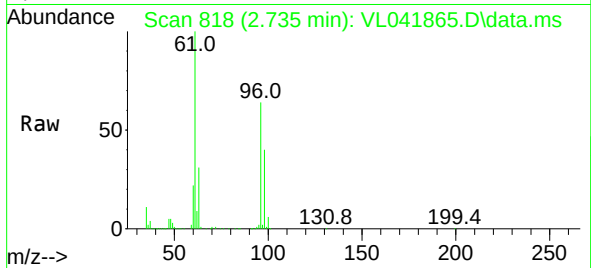
41 80.0 78.9 118.3





#31
 cis-1,2-Dichloroethene
 Concen: 21.076 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

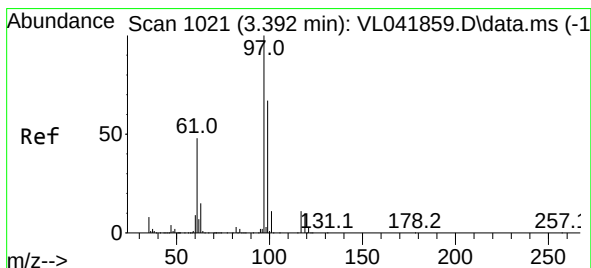
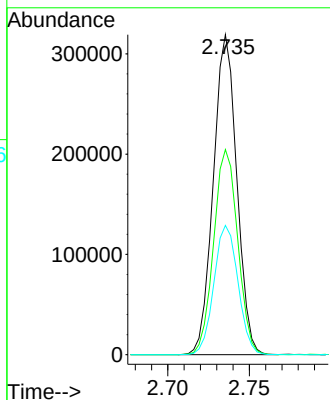
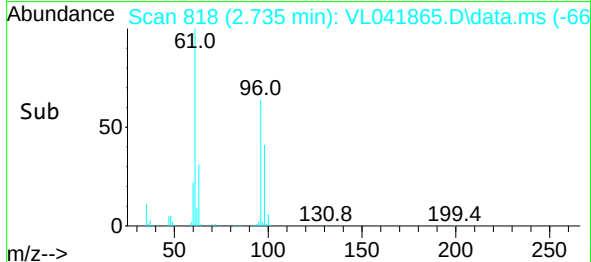
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



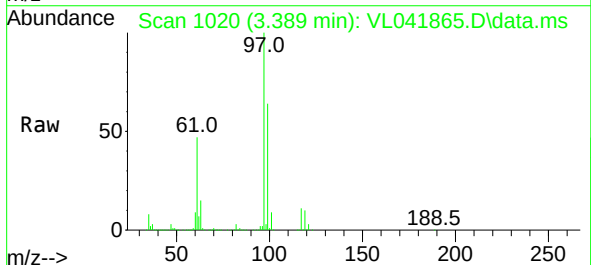
Tgt Ion: 61 Resp: 31911
 Ion Ratio Lower Upper
 61 100
 96 64.1 47.6 71.4
 98 40.4 30.2 45.2

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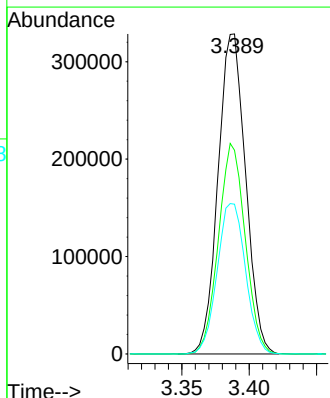
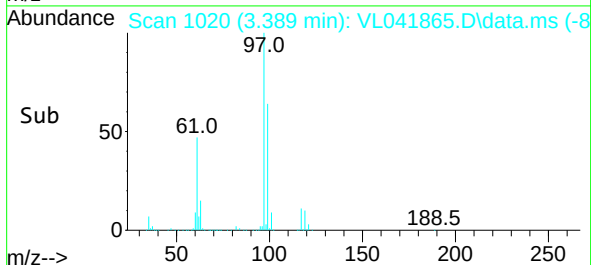
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

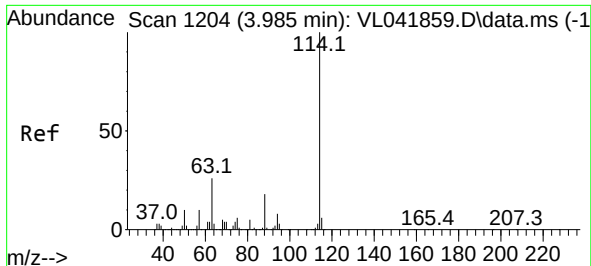


#32
 1,1,1-Trichloroethane
 Concen: 18.862 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. 0.007 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



Tgt Ion: 97 Resp: 467121
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.6 76.0
 61 48.4 45.0 67.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 40758

Ion Ratio Lower Upper

114 100

63 24.8 22.3 33.5

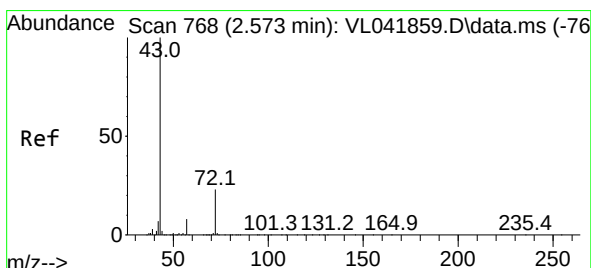
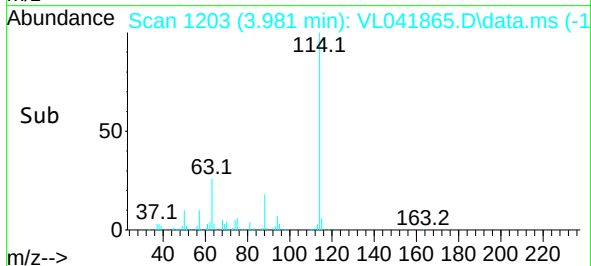
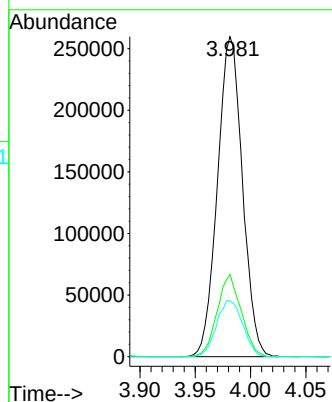
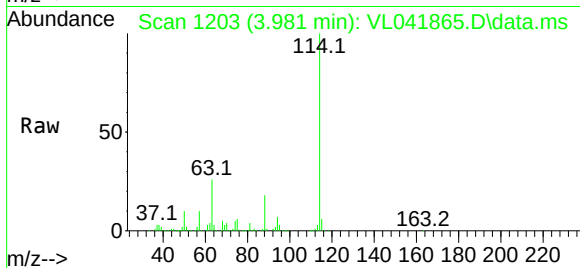
88 18.4 14.9 22.3

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 14.548 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.003 min

Lab File: VL041865.D

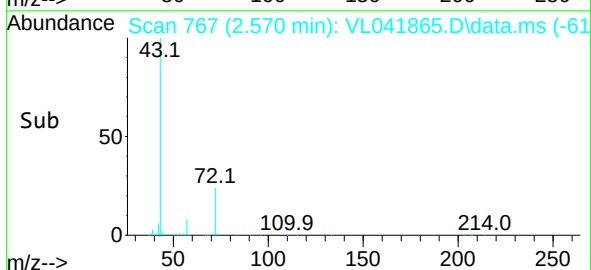
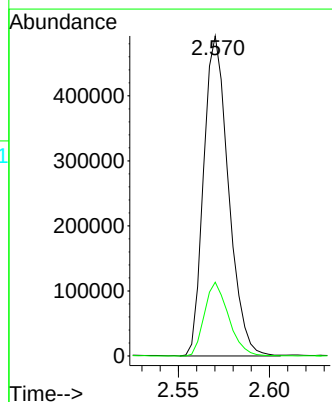
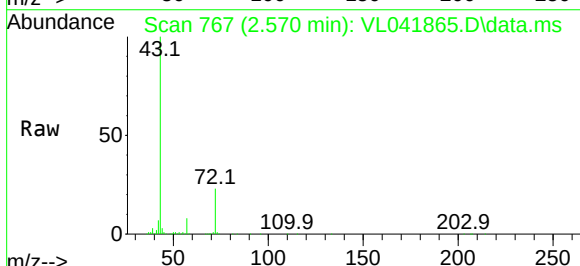
Acq: 09 Jan 2025 14:27

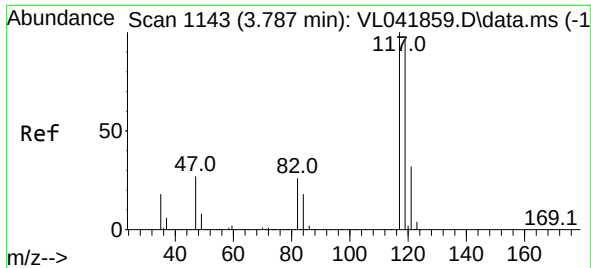
Tgt Ion: 43 Resp: 467080

Ion Ratio Lower Upper

43 100

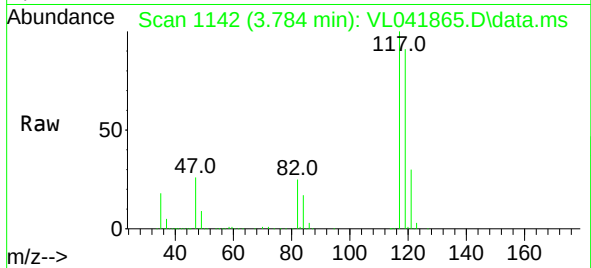
72 22.5 16.6 25.0





#35
Carbon Tetrachloride
Concen: 14.959 ppbv
RT: 3.784 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

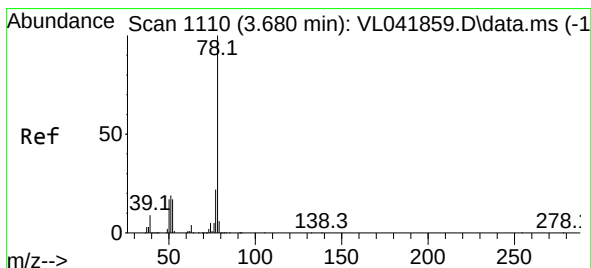
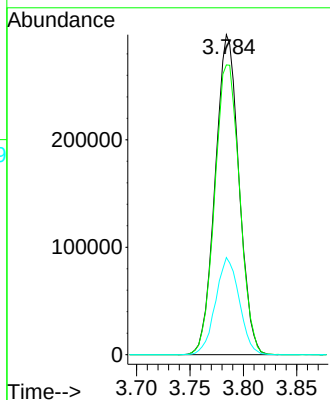
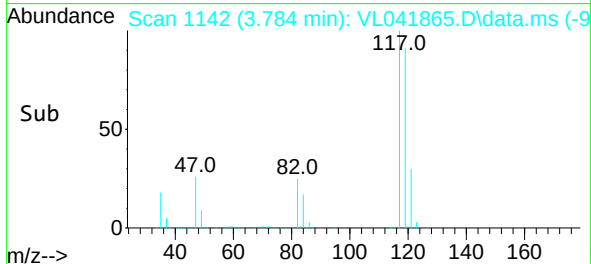
Instrument : MSVOA_L
ClientSampleId : VSTDIC015



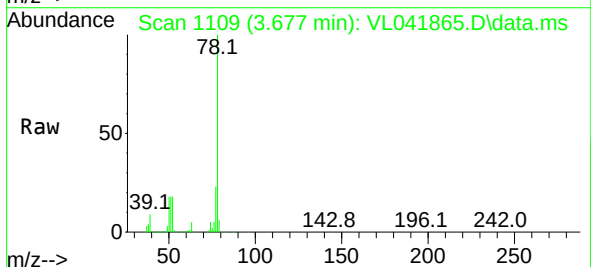
Tgt Ion: 117 Resp: 46079
Ion Ratio Lower Upper
117 100
119 90.5 79.1 118.7
121 30.3 24.2 36.2

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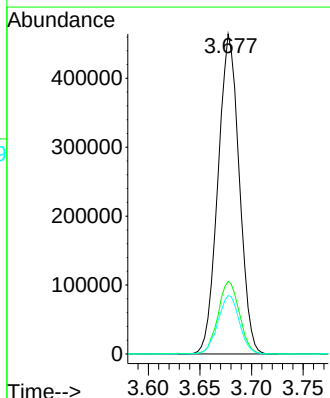
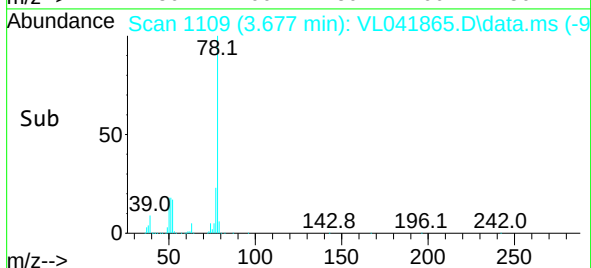
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

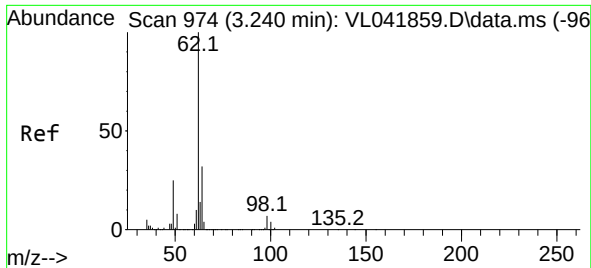


#36
Benzene
Concen: 17.053 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



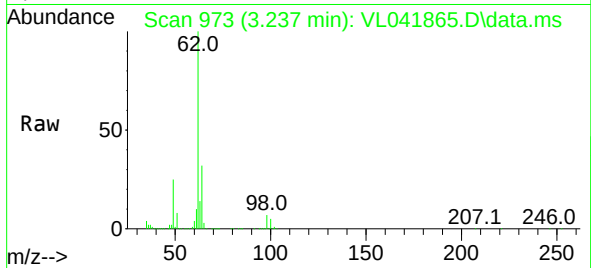
Tgt Ion: 78 Resp: 663984
Ion Ratio Lower Upper
78 100
77 22.7 17.4 26.0
50 18.2 17.3 25.9





#37
1,2-Dichloroethane
Concen: 13.820 ppbv
RT: 3.237 min Scan# 91
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

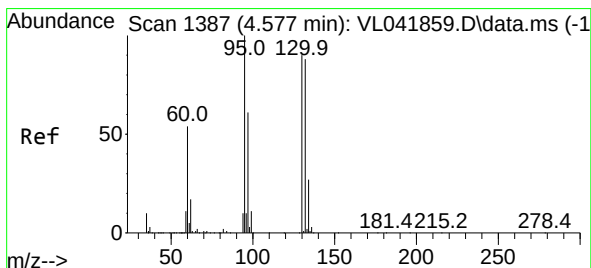
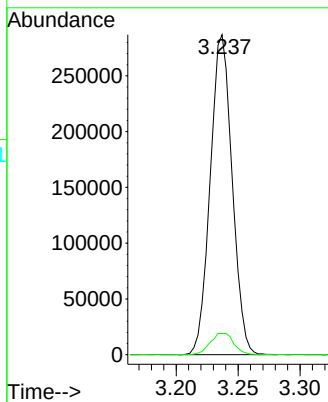
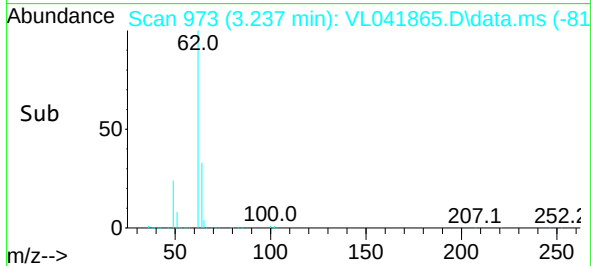
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 62 Resp: 353759
Ion Ratio Lower Upper
62 100
98 7.2 4.8 7.2

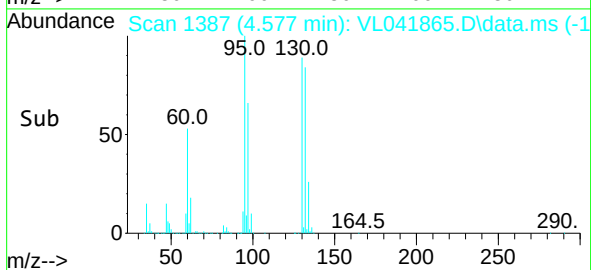
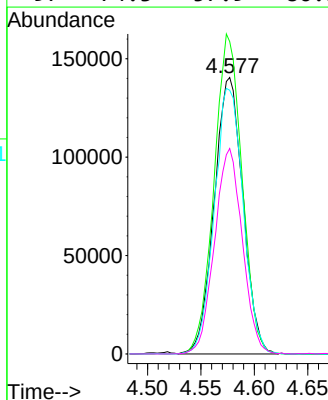
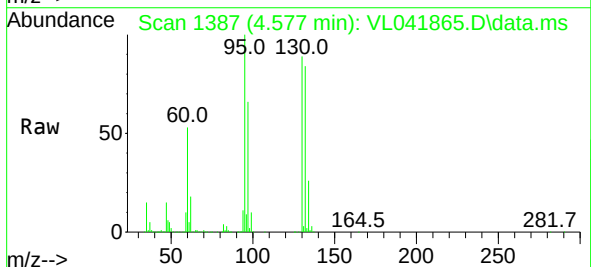
Manual Integrations
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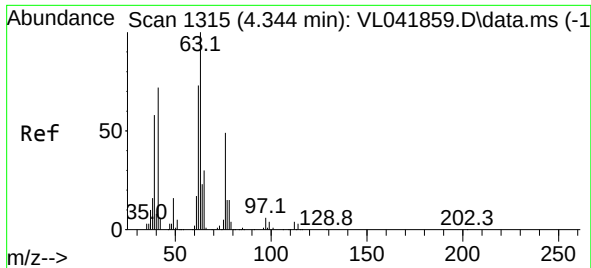
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#38
Trichloroethene
Concen: 17.230 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:130 Resp: 262977
Ion Ratio Lower Upper
130 100
95 112.7 90.1 135.1
132 95.3 71.8 107.8
97 74.3 57.9 86.9





#39

1,2-Dichloropropane

Concen: 15.832 ppbv

RT: 4.341 min Scan# 1315

Delta R.T. 0.007 min

Lab File: VL041865.D

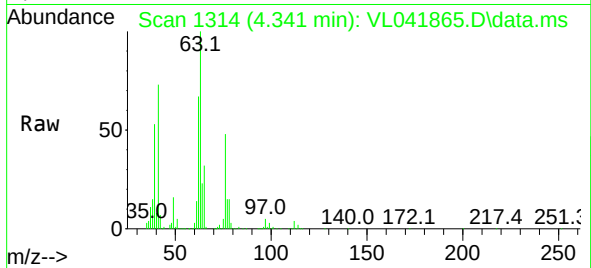
Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 63 Resp: 238460

Ion Ratio Lower Upper

63 100

41 73.3 77.7 116.5

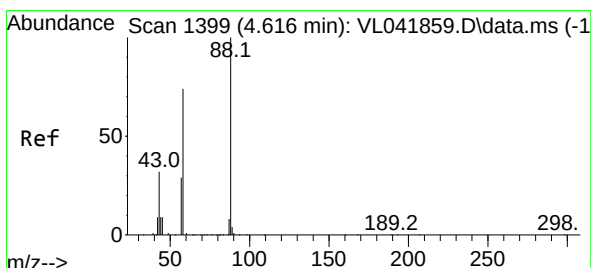
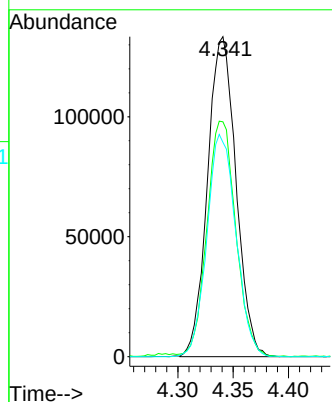
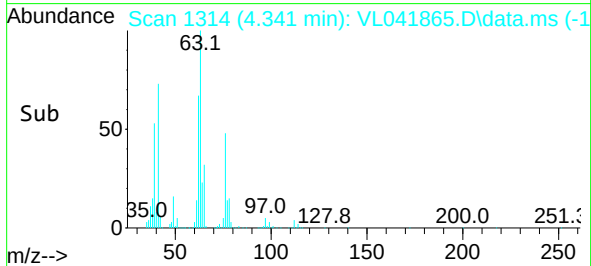
62 66.9 56.2 84.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 20.124 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion: 88 Resp: 117449

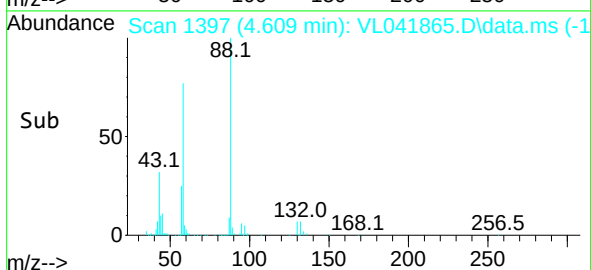
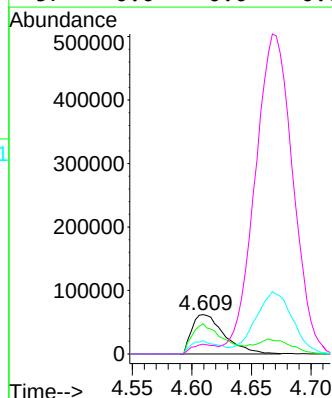
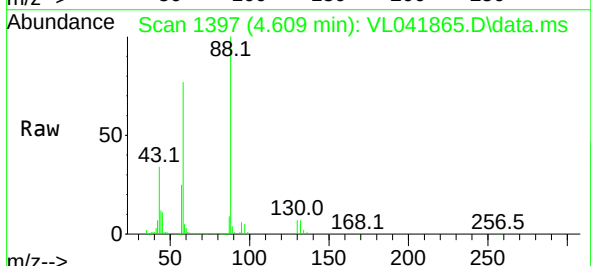
Ion Ratio Lower Upper

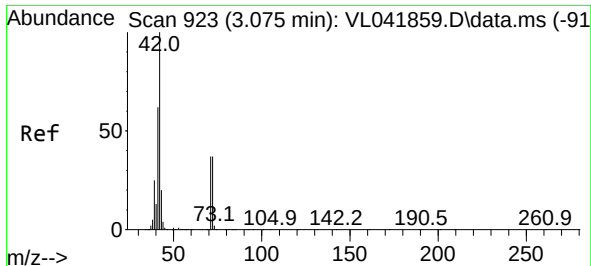
88 100

58 68.7 65.1 97.7

43 27.5 32.1 48.1

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 18.096 ppbv

RT: 3.072 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

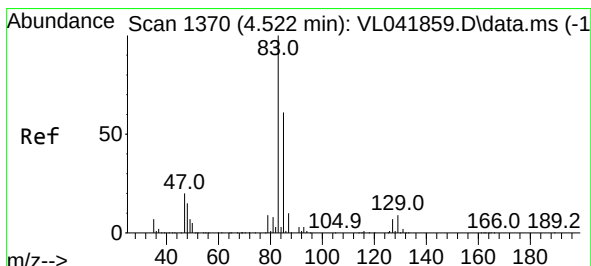
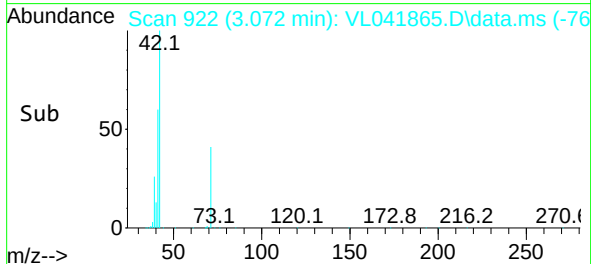
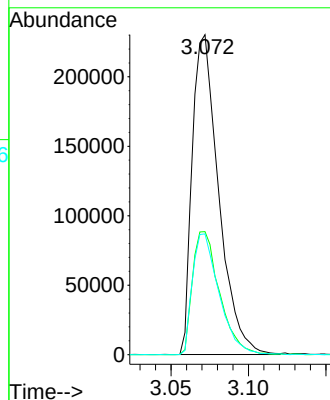
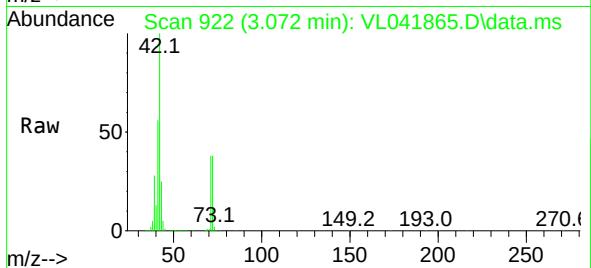
Tgt Ion: 42 Resp: 27385

Ion	Ratio	Lower	Upper
42	100		
72	39.3	27.9	41.9
71	38.1	26.5	39.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#42

Bromodichloromethane

Concen: 16.892 ppbv

RT: 4.515 min Scan# 1368

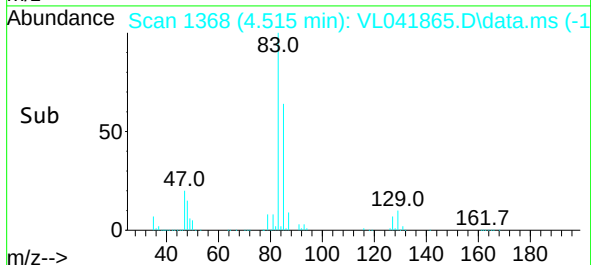
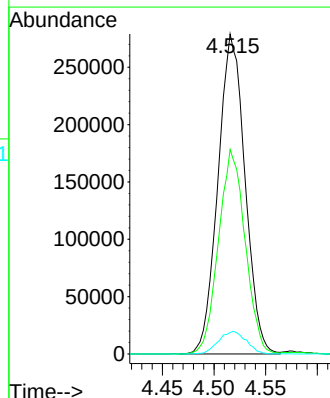
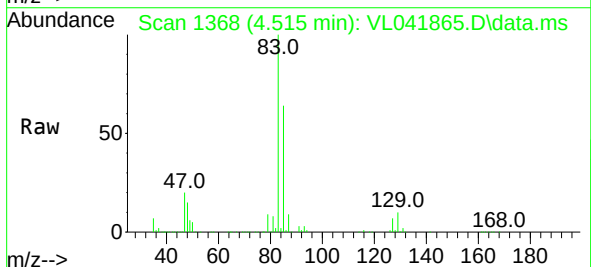
Delta R.T. 0.003 min

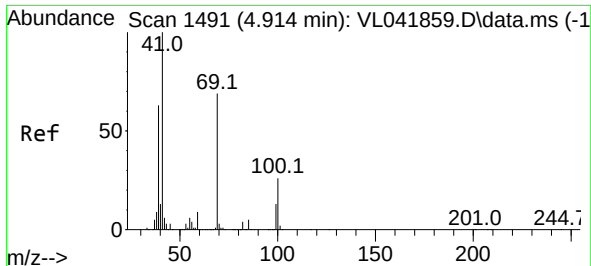
Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion: 83 Resp: 507098

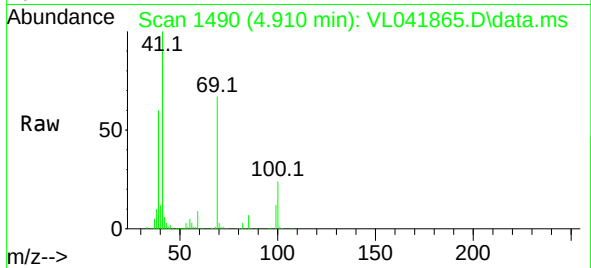
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.3	76.9
127	6.7	5.6	8.4





#43
Methyl Methacrylate
Concen: 22.609 ppbv
RT: 4.910 min Scan# 1491
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

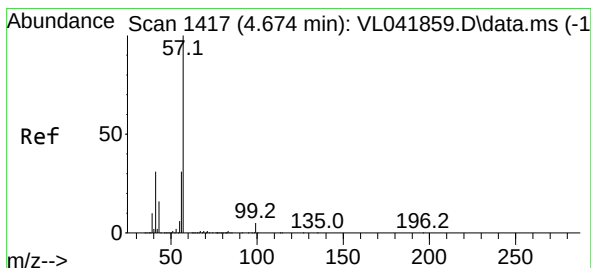
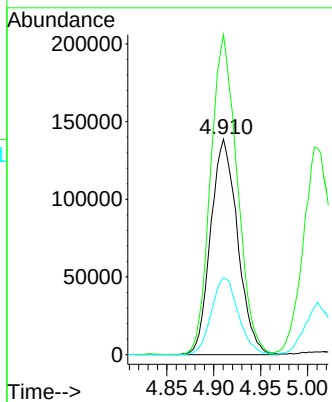
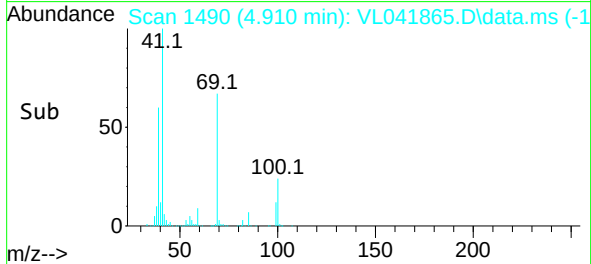
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



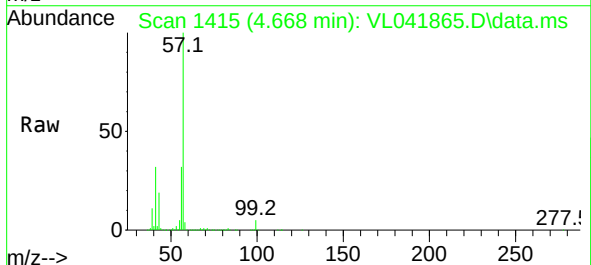
Tgt Ion: 69 Resp: 276440
Ion Ratio Lower Upper
69 100
41 146.9 132.3 198.5
100 35.8 28.2 42.4

Manual Integrations
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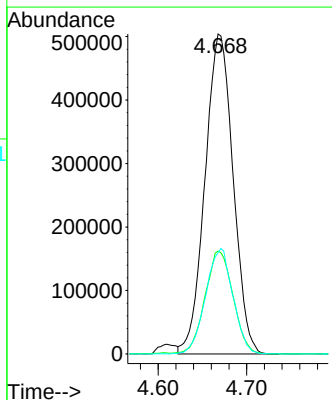
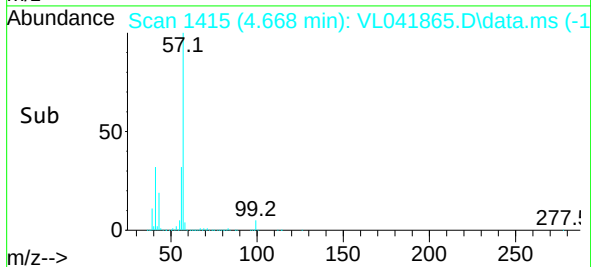
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

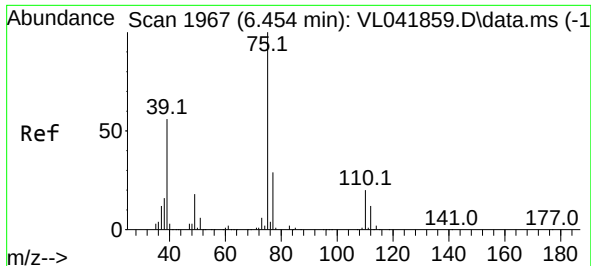


#44
2,2,4-Trimethylpentane
Concen: 17.341 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion: 57 Resp: 1112501
Ion Ratio Lower Upper
57 100
41 32.3 31.4 47.2
56 32.0 26.6 39.8





#45

t-1,3-Dichloropropene

Concen: 24.306 ppbv

RT: 6.448 min Scan# 1965

Delta R.T. 0.010 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 29013

Ion Ratio Lower Upper

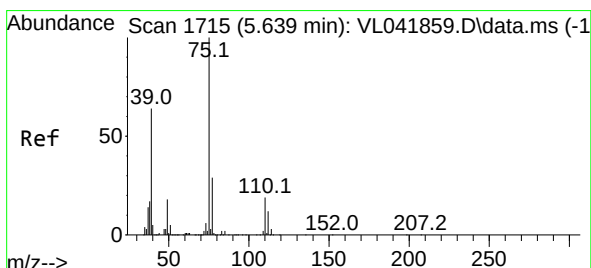
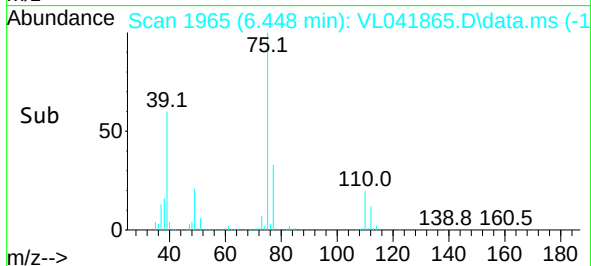
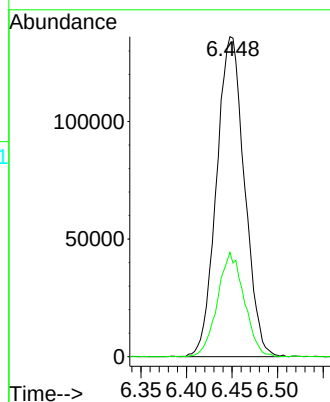
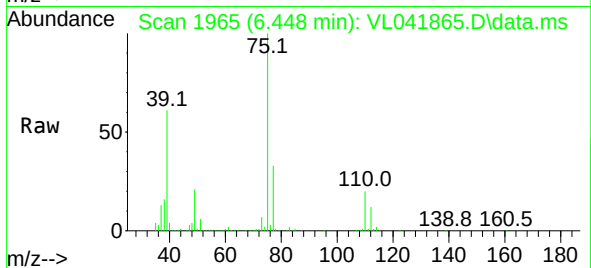
75 100

77 32.6 22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#46

cis-1,3-Dichloropropene

Concen: 23.592 ppbv

RT: 5.635 min Scan# 1714

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

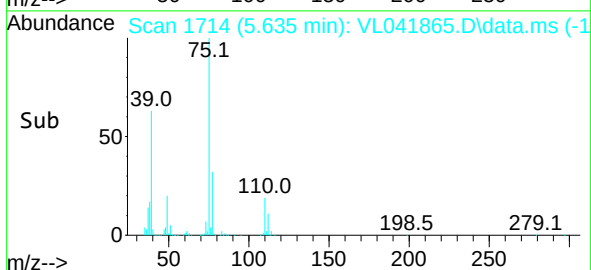
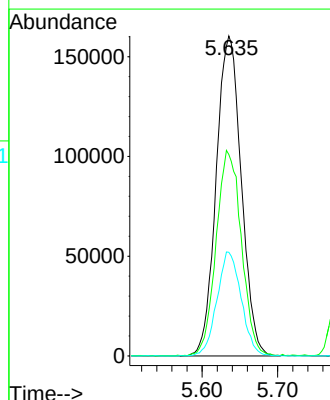
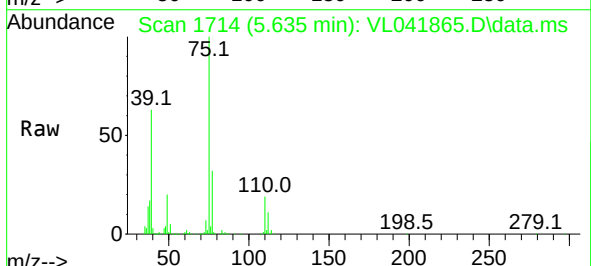
Tgt Ion: 75 Resp: 370479

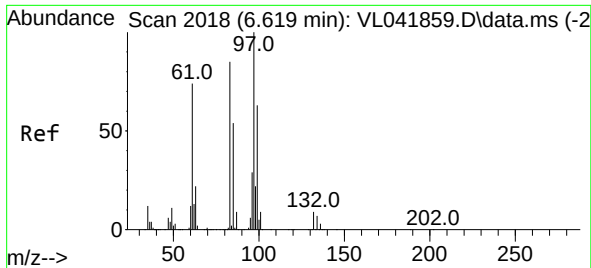
Ion Ratio Lower Upper

75 100

39 62.8 63.3 94.9#

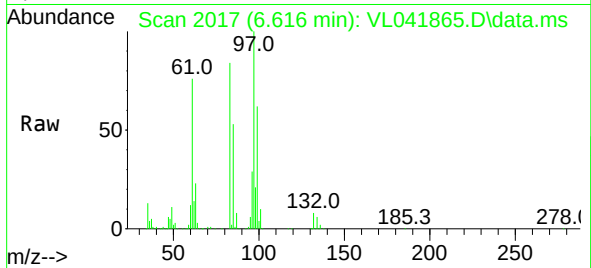
77 32.3 23.5 35.3





#47
1,1,2-Trichloroethane
Concen: 15.833 ppbv
RT: 6.616 min Scan# 2017
Delta R.T. 0.010 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

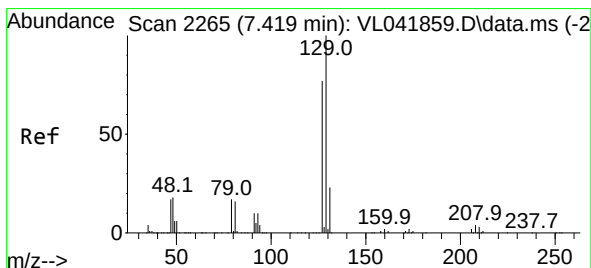
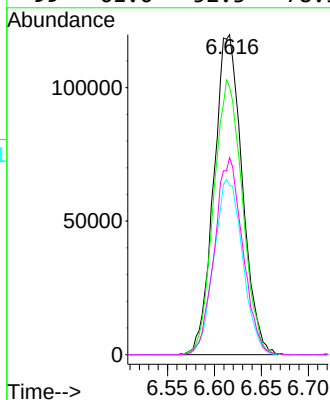
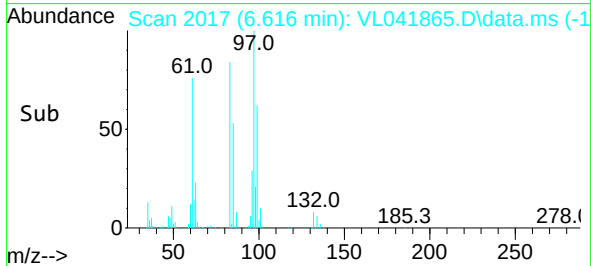
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



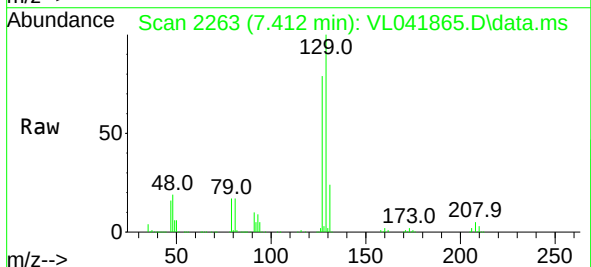
Tgt Ion: 97 Resp: 252224
Ion Ratio Lower Upper
97 100
83 83.7 70.3 105.5
85 52.8 41.5 62.3
99 61.6 52.3 78.5

Manual Integrations
APPROVED

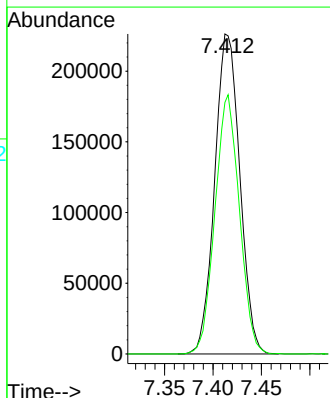
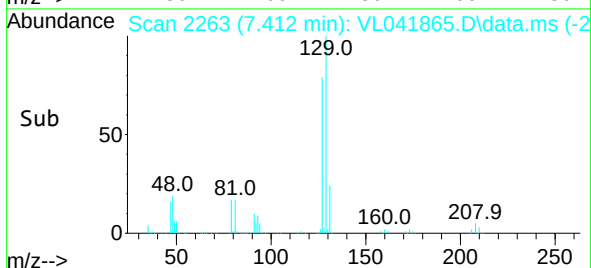
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

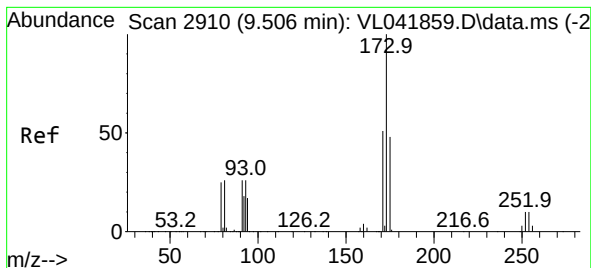


#48
Dibromochloromethane
Concen: 20.167 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion:129 Resp: 408959
Ion Ratio Lower Upper
129 100
127 78.7 38.7 116.1





#49

Bromoform

Concen: 22.331 ppbv

RT: 9.503 min Scan# 2910

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:173 Resp: 36290

Ion Ratio Lower Upper

173 100

175 48.8 39.5 59.3

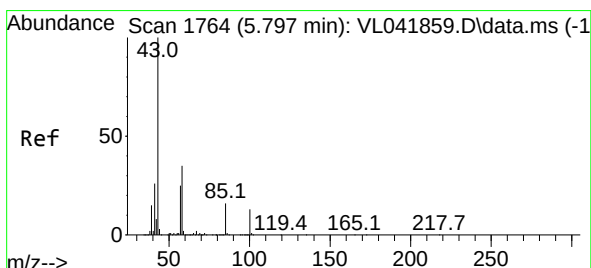
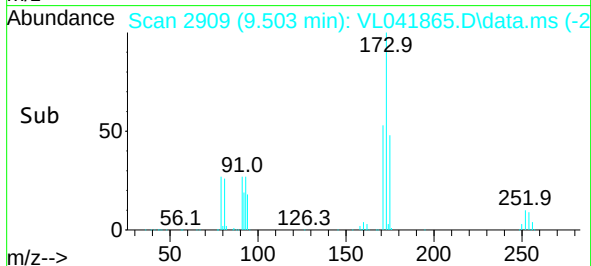
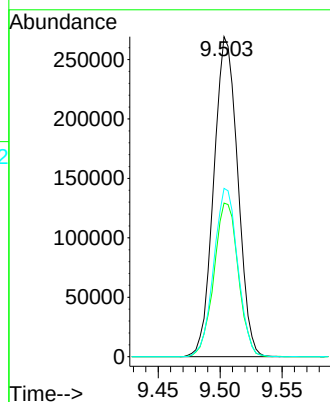
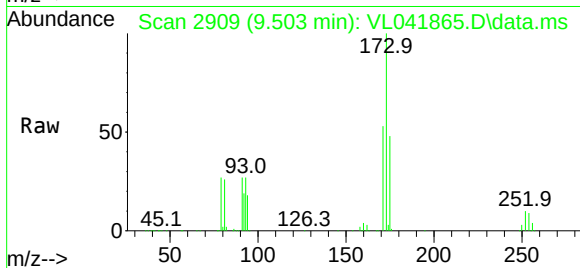
171 52.7 41.5 62.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#50

4-Methyl-2-Pentanone

Concen: 18.341 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. 0.003 min

Lab File: VL041865.D

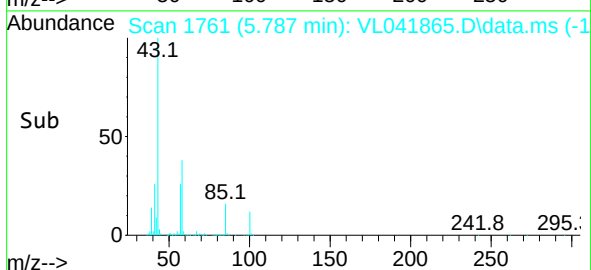
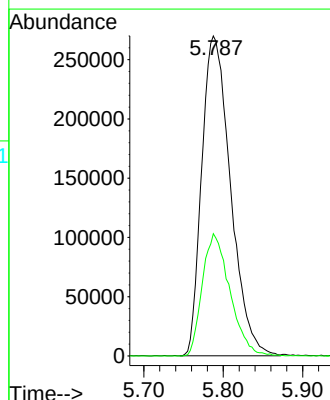
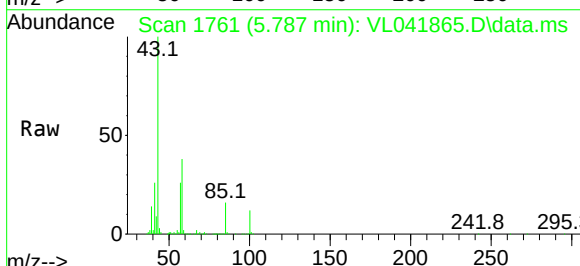
Acq: 09 Jan 2025 14:27

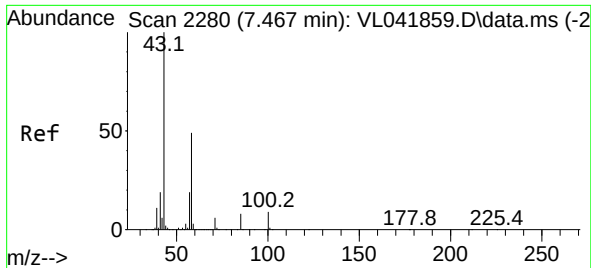
Tgt Ion: 43 Resp: 680330

Ion Ratio Lower Upper

43 100

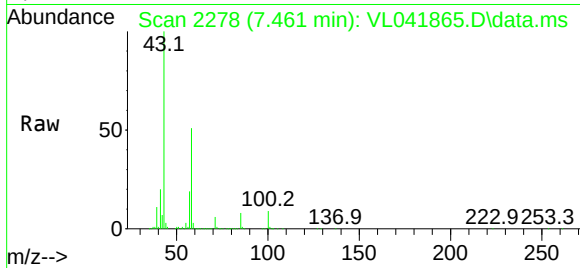
58 36.7 25.7 38.5





#51
2-Hexanone
Concen: 19.852 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

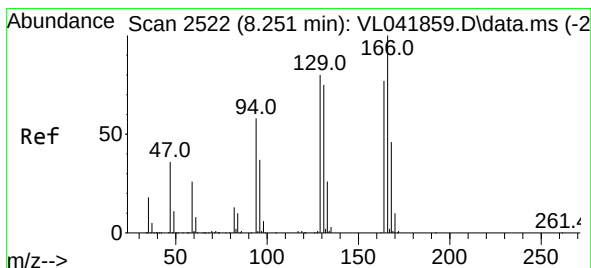
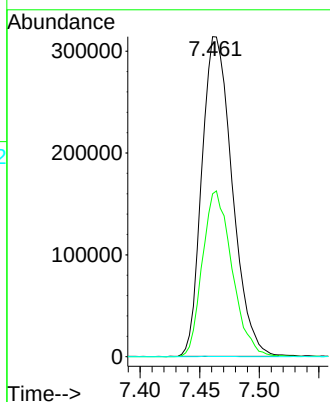
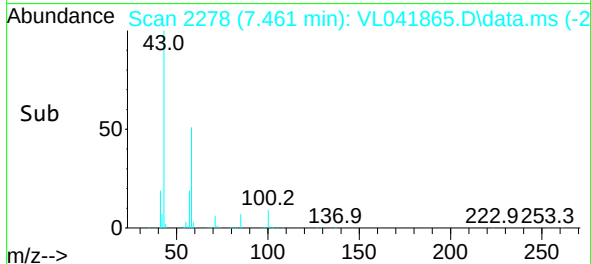
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



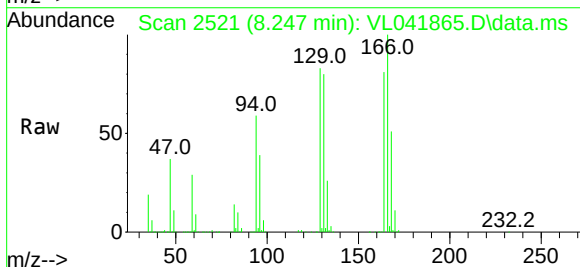
Tgt Ion: 43 Resp: 55779
Ion Ratio Lower Upper
43 100
58 50.6 33.8 50.8
98 0.1 0.7 1.1

Manual Integrations
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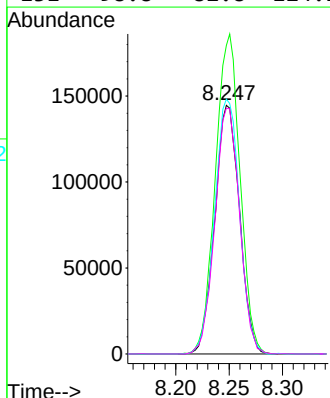
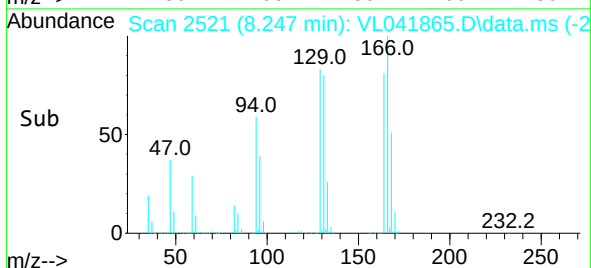
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

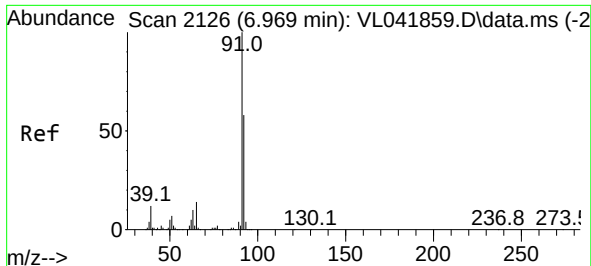


#52
Tetrachloroethene
Concen: 20.236 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



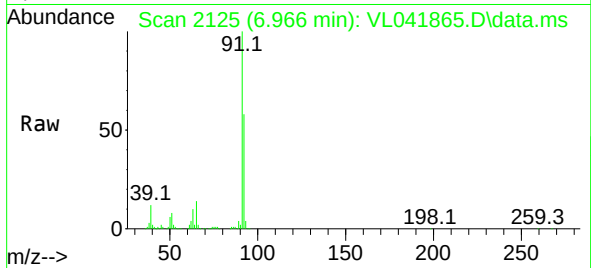
Tgt Ion:164 Resp: 233663
Ion Ratio Lower Upper
164 100
166 124.1 100.4 150.6
129 102.5 85.9 128.9
131 98.8 82.8 124.2





#53
Toluene
Concen: 22.957 ppbv
RT: 6.966 min Scan# 2125
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

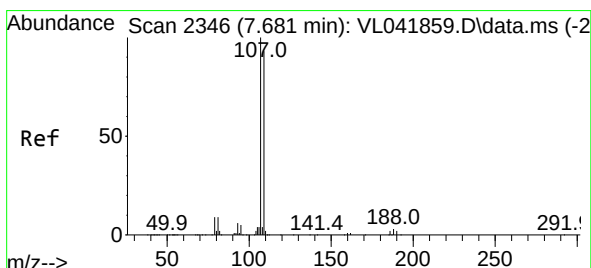
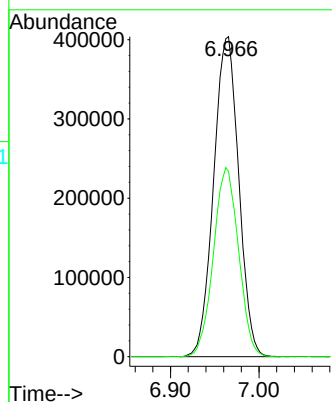
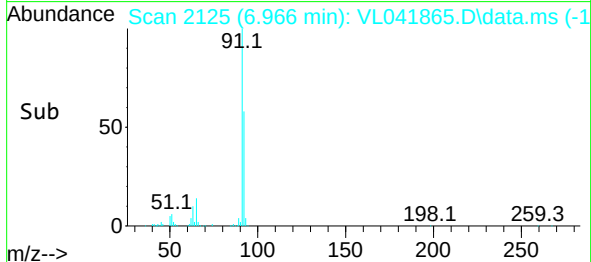
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



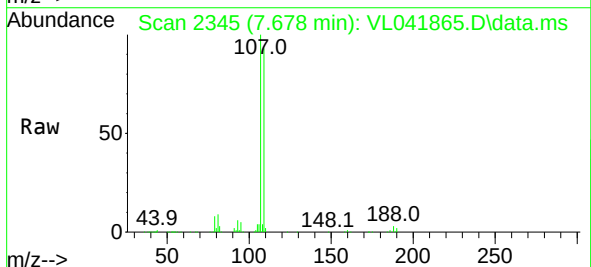
Tgt Ion: 91 Resp: 79646
Ion Ratio Lower Upper
91 100
92 59.2 47.8 71.6

Manual Integrations
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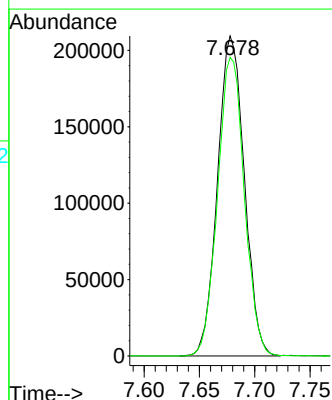
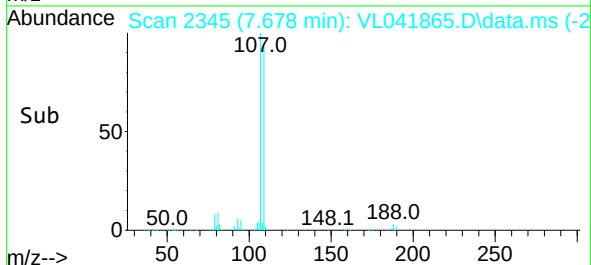
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

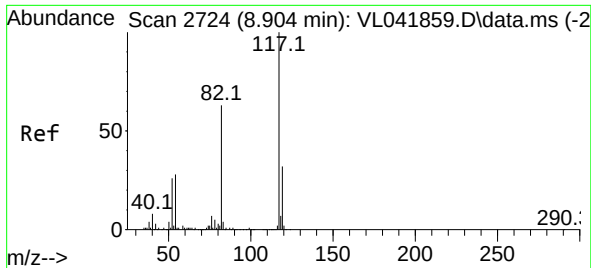


#54
1,2-Dibromoethane
Concen: 18.098 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion:107 Resp: 353045
Ion Ratio Lower Upper
107 100
109 93.3 75.9 113.9





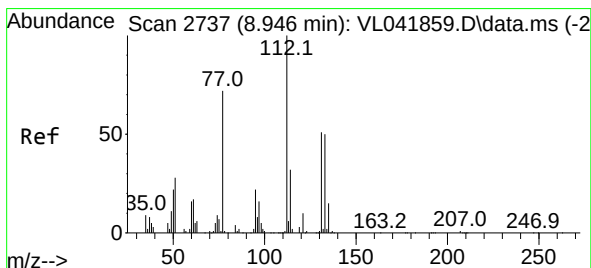
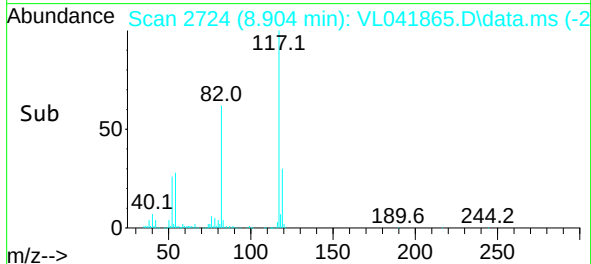
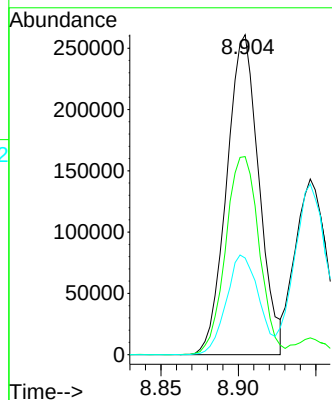
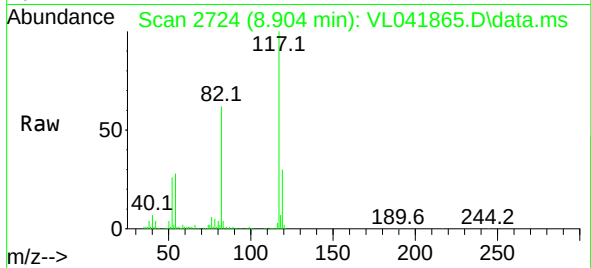
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:117 Resp: 378604
Ion Ratio Lower Upper
117 100
82 65.0 59.1 88.7
119 32.7 27.3 40.9

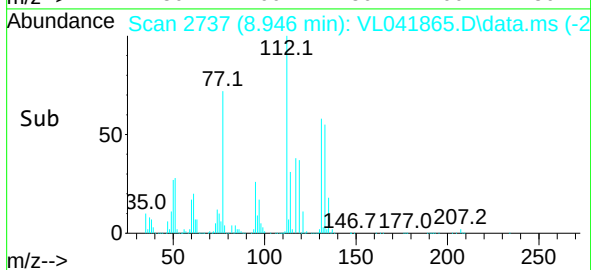
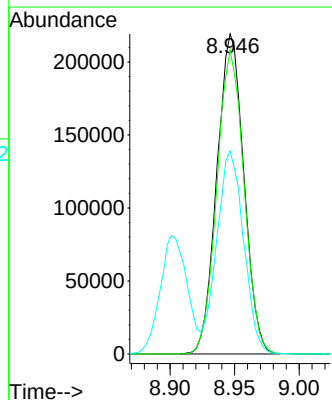
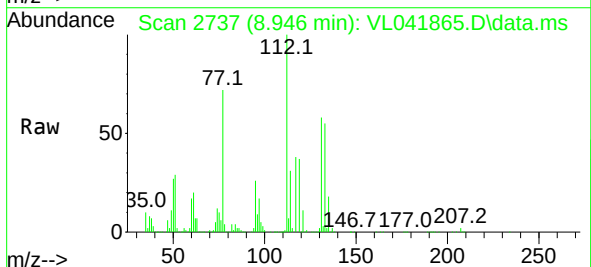
Manual Integrations
APPROVED

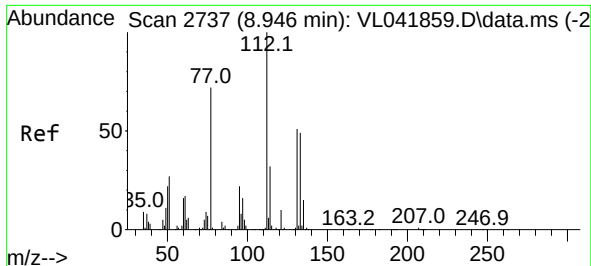
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 14.760 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:131 Resp: 318489
Ion Ratio Lower Upper
131 100
133 95.2 77.3 115.9
119 63.8 50.6 76.0





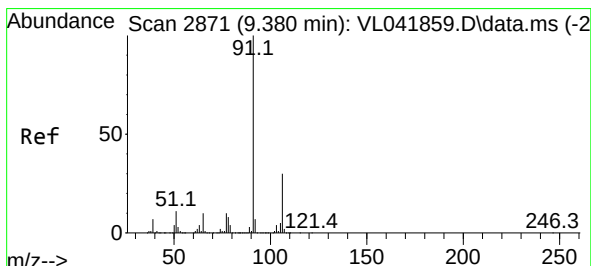
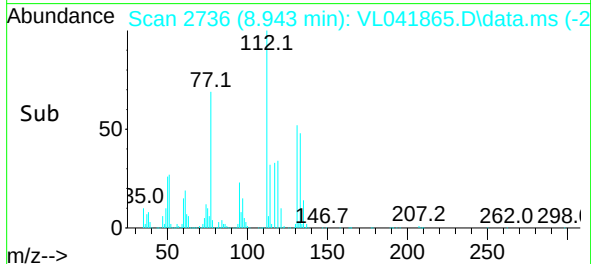
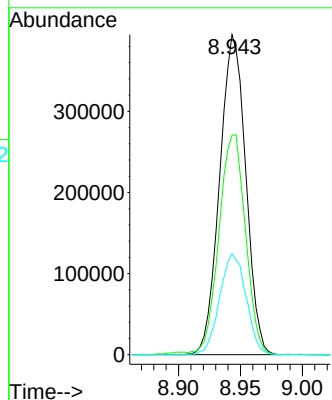
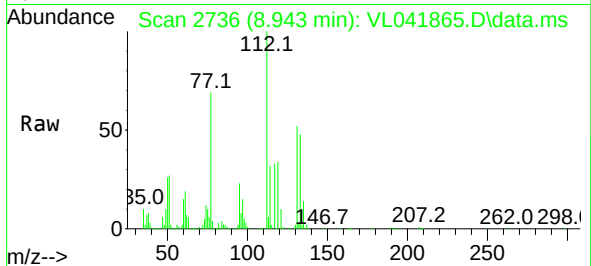
#57
Chlorobenzene
Concen: 14.632 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:112 Resp: 578775
Ion Ratio Lower Upper
112 100
77 68.6 55.1 82.7
114 31.6 28.3 34.5

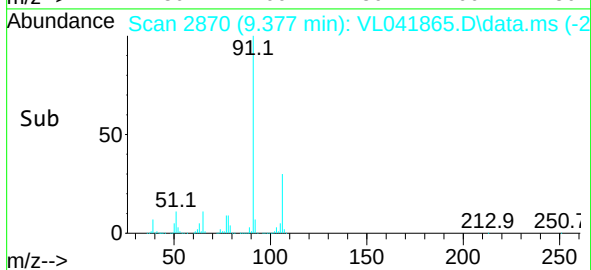
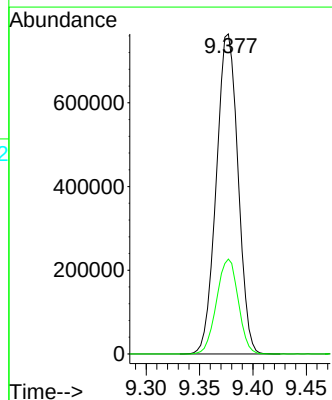
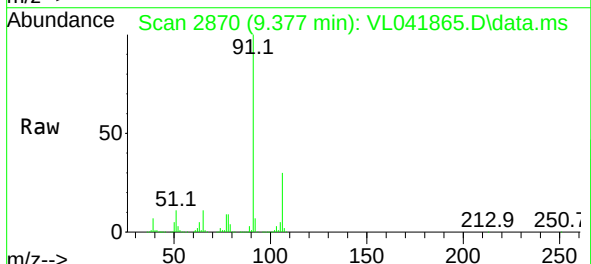
Manual Integrations
APPROVED

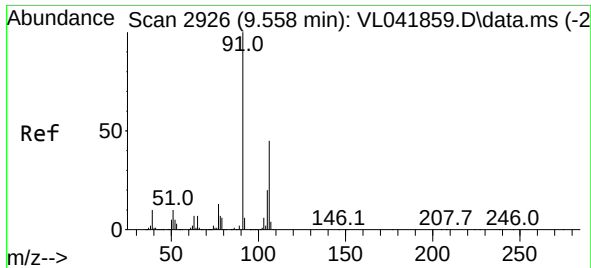
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 20.954 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 91 Resp: 1081235
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8





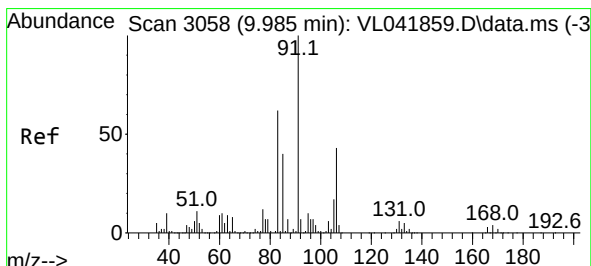
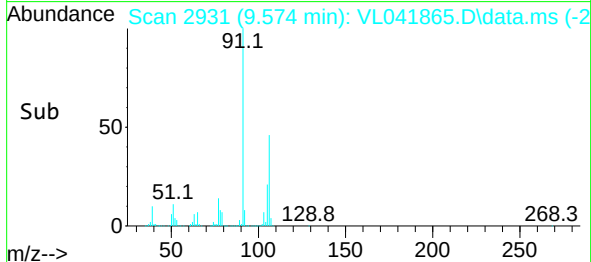
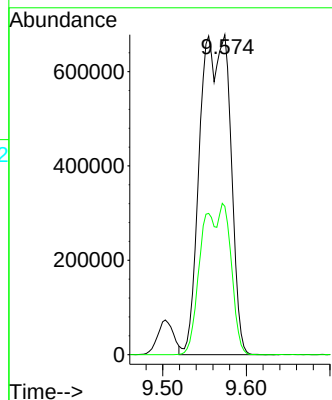
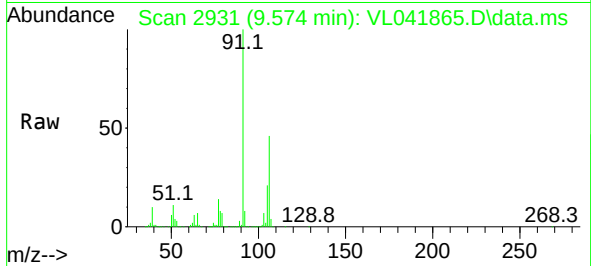
#59
m/p-Xylene
Concen: 37.624 ppbv m
RT: 9.574 min Scan# 2926
Delta R.T. 0.010 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 171366
Ion Ratio Lower Upper
91 100
106 45.8 36.8 55.2

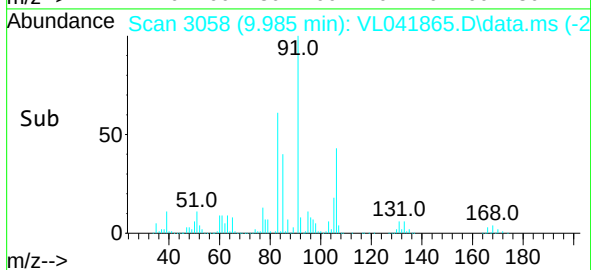
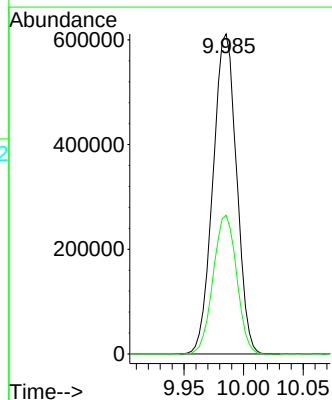
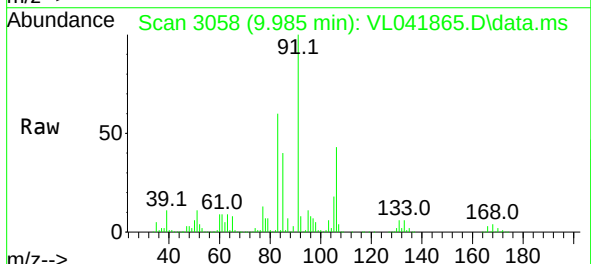
Manual Integrations
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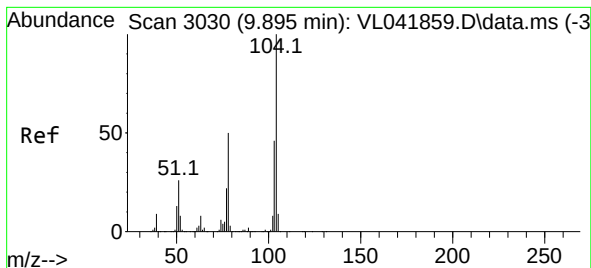
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 18.971 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 91 Resp: 840494
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.5





#61

Styrene

Concen: 25.091 ppbv

RT: 9.892 min Scan# 3030

Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

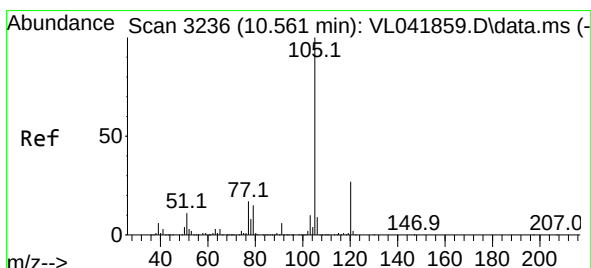
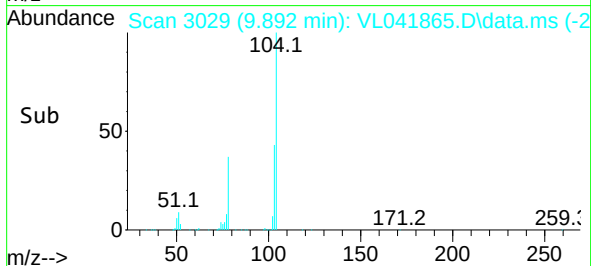
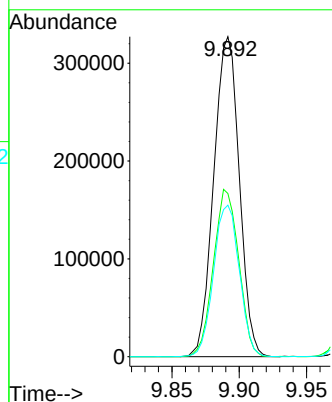
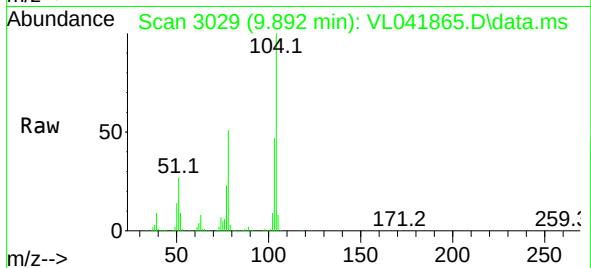
VSTDIC015

Tgt Ion:104 Resp: 431280
 Ion Ratio Lower Upper
 104 100
 78 51.9 42.8 64.2
 103 47.8 37.8 56.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#62

Isopropylbenzene

Concen: 17.917 ppbv

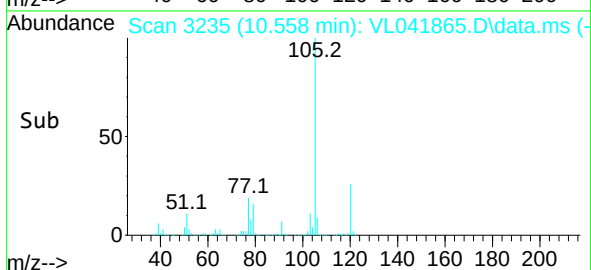
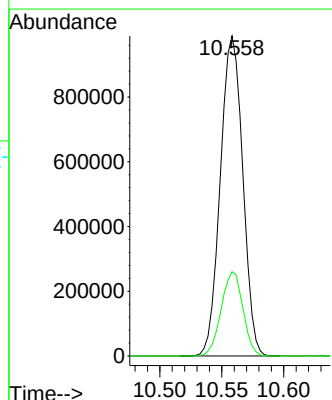
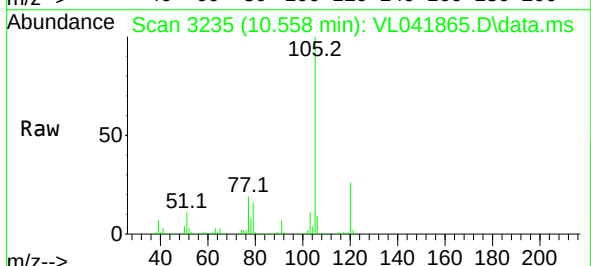
RT: 10.558 min Scan# 3235

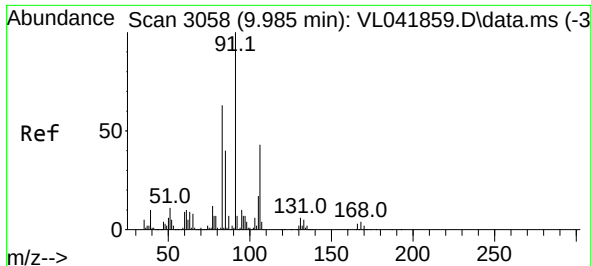
Delta R.T. 0.007 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

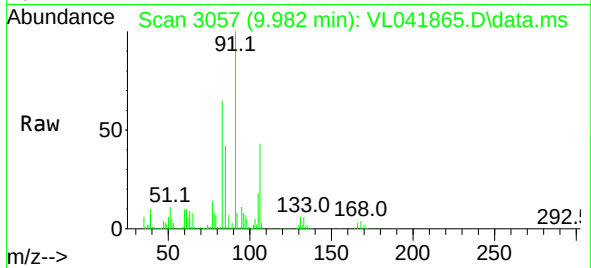
Tgt Ion:105 Resp: 1247161
 Ion Ratio Lower Upper
 105 100
 120 25.5 20.4 30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 12.770 ppbv
RT: 9.982 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

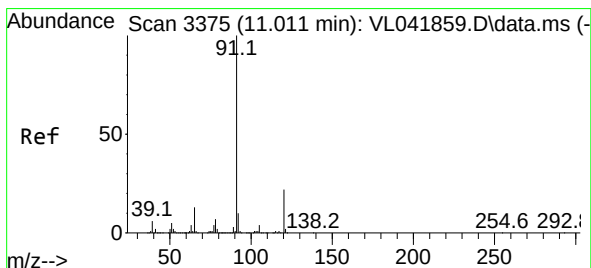
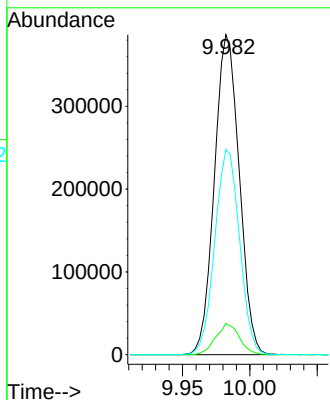
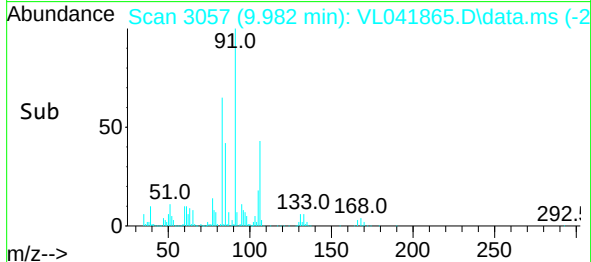
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



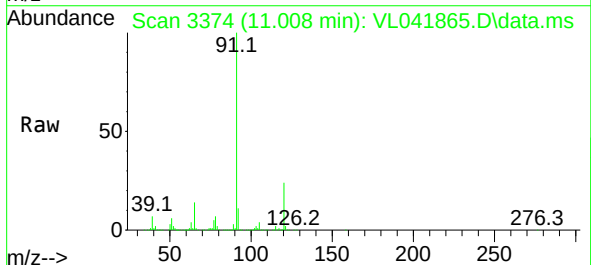
Tgt Ion: 83 Resp: 496124
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 63.9 31.9 95.9

Manual Integrations
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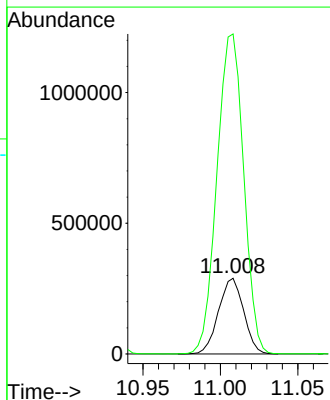
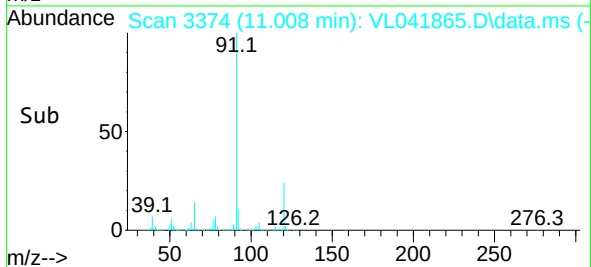
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

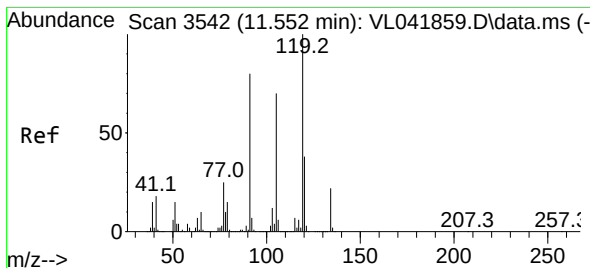


#64
n-propylbenzene
Concen: 18.307 ppbv
RT: 11.008 min Scan# 3374
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



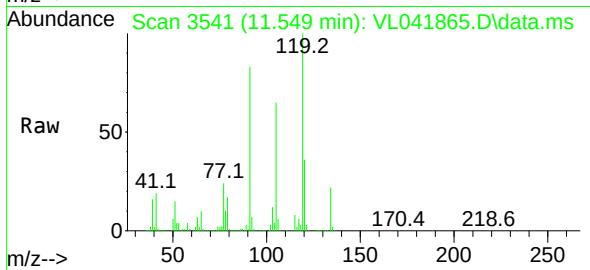
Tgt Ion:120 Resp: 326937
Ion Ratio Lower Upper
120 100
91 450.1 382.1 573.1





#65
tert-Butylbenzene
Concen: 17.255 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

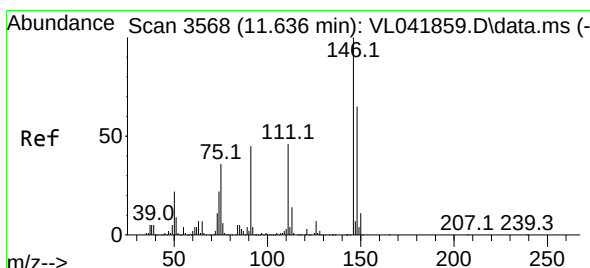
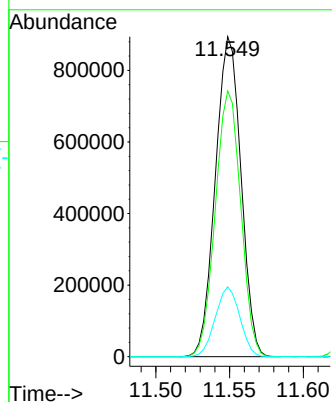
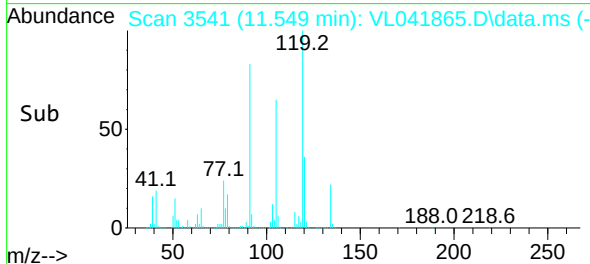
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 119 Resp: 1082290
Ion Ratio Lower Upper
119 100
91 82.4 68.0 102.0
134 20.8 16.2 24.4

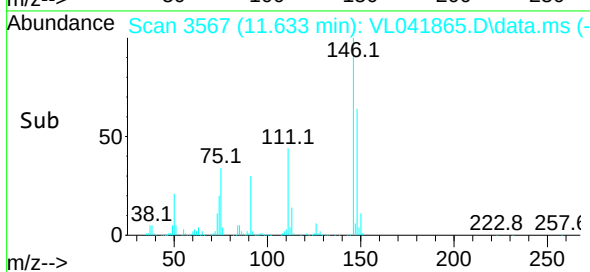
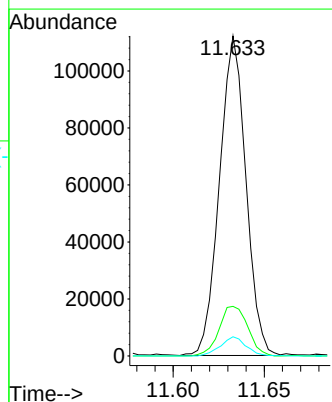
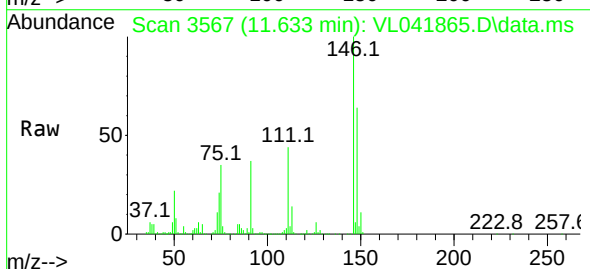
Manual Integrations
APPROVED

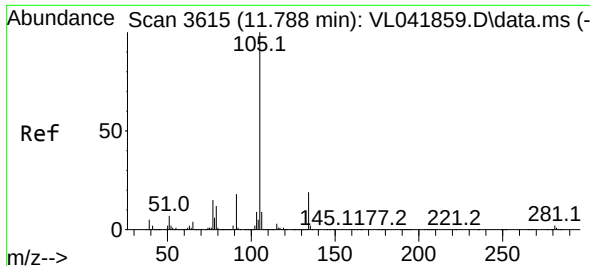
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#66
Benzyl Chloride
Concen: 21.582 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

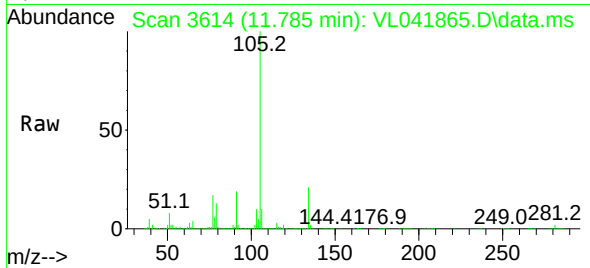
Tgt Ion: 91 Resp: 113138
Ion Ratio Lower Upper
91 100
126 17.0 12.1 18.1
128 5.8 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 16.090 ppbv
 RT: 11.785 min Scan# 3615
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

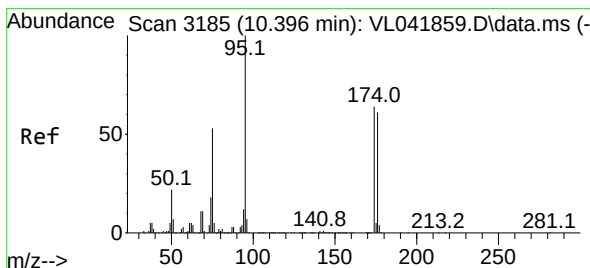
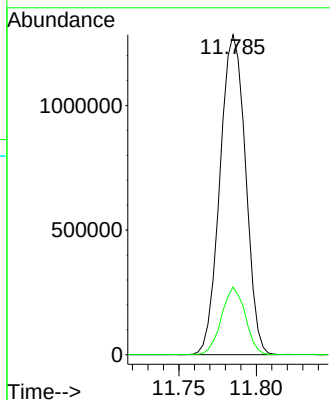
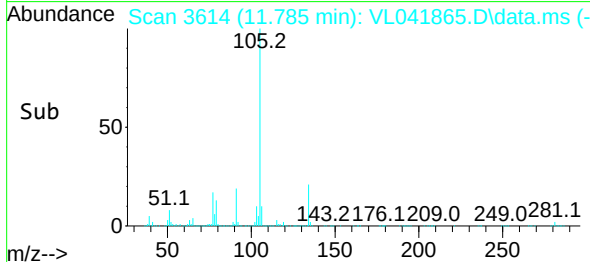
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



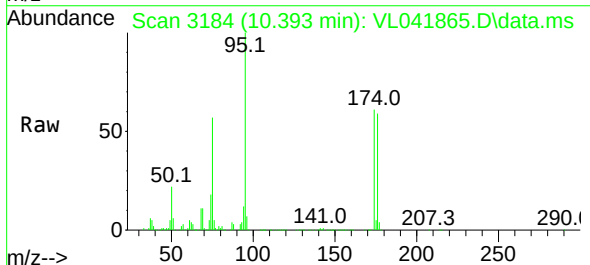
Tgt Ion:105 Resp: 147266
 Ion Ratio Lower Upper
 105 100
 134 19.7 14.6 22.0

Manual Integrations
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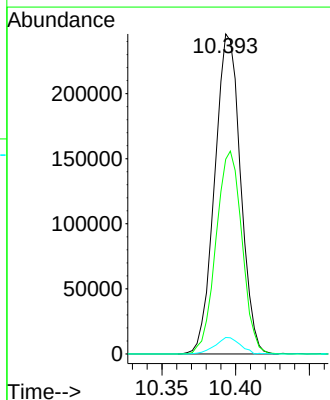
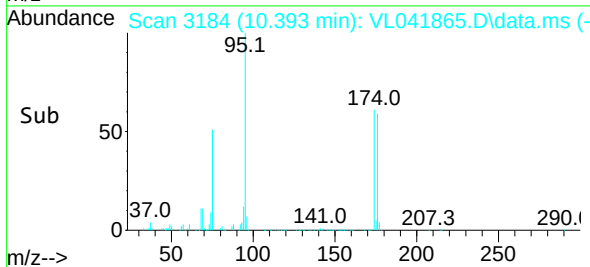
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

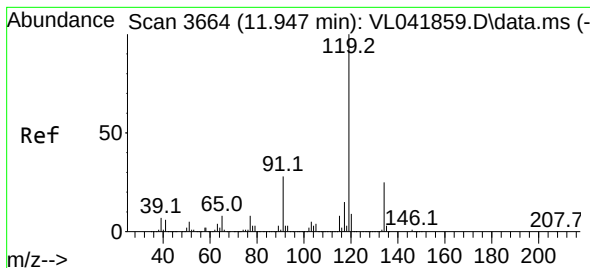


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.232 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27



Tgt Ion: 95 Resp: 299372
 Ion Ratio Lower Upper
 95 100
 174 63.7 47.6 71.4
 175 5.0 3.8 5.6





#69
p-Isopropyltoluene
Concen: 17.781 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

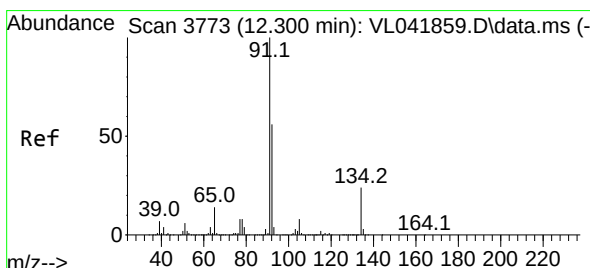
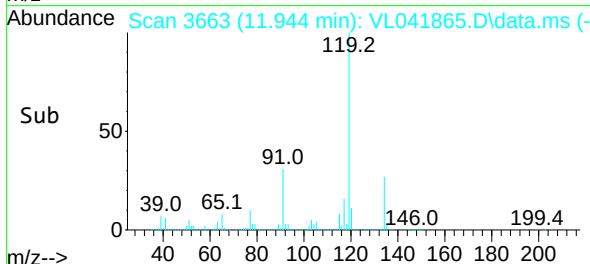
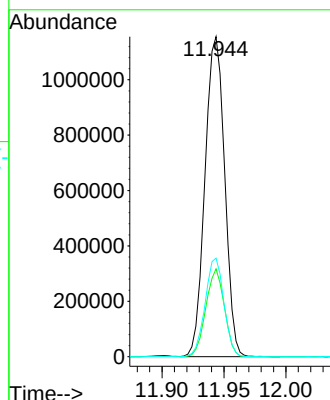
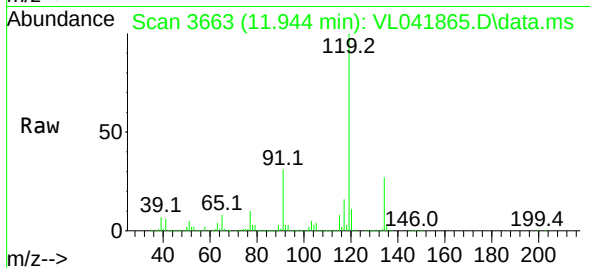
VSTDIC015

Tgt Ion:119 Resp: 1277660
Ion Ratio Lower Upper
119 100
134 25.9 19.4 29.2
91 29.4 24.0 36.0

Manual Integrations

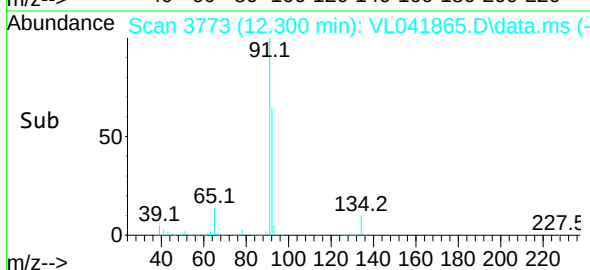
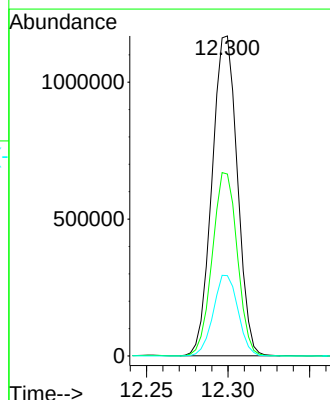
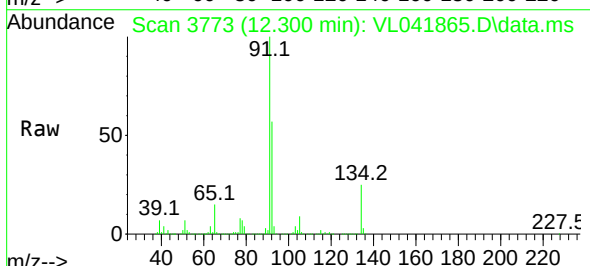
APPROVED

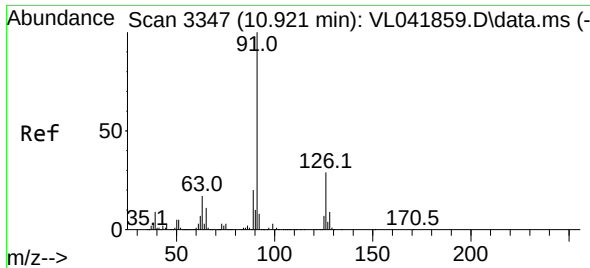
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#70
n-Butylbenzene
Concen: 17.488 ppbv
RT: 12.300 min Scan# 3773
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 91 Resp: 1262477
Ion Ratio Lower Upper
91 100
92 56.7 42.8 64.2
134 24.6 17.8 26.6





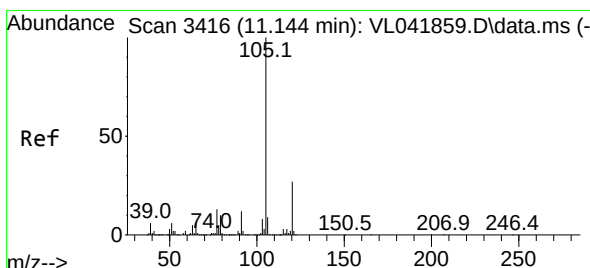
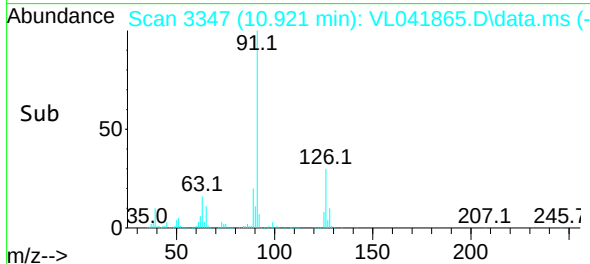
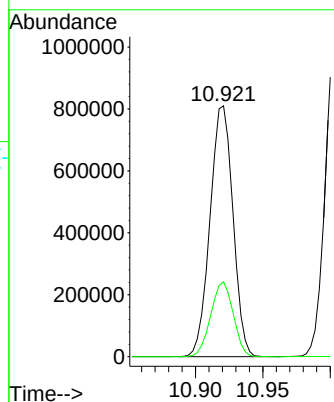
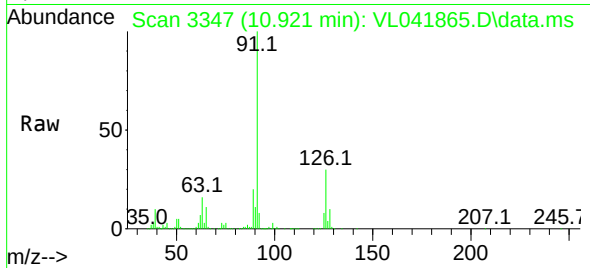
#71
2-Chlorotoluene
Concen: 18.973 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 958590
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.6

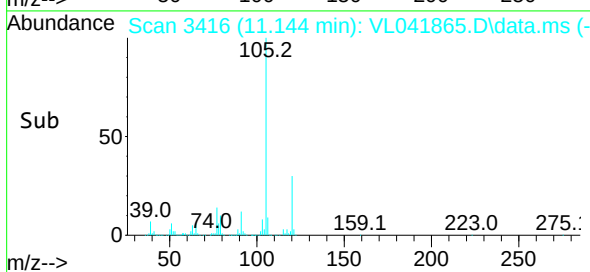
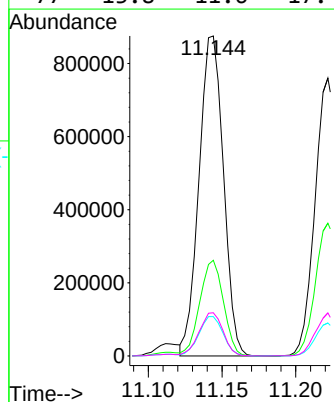
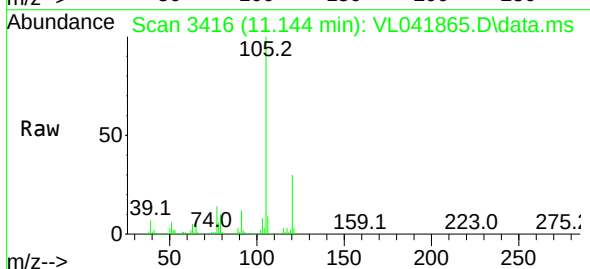
Manual Integrations
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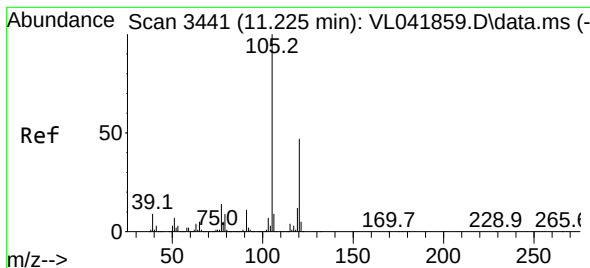
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
4-Ethyltoluene
Concen: 18.837 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:105 Resp: 1009262
Ion Ratio Lower Upper
105 100
120 30.1 23.4 35.2
91 12.9 10.8 16.2
77 13.8 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 18.459 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 866209

Ion Ratio Lower Upper

105 100

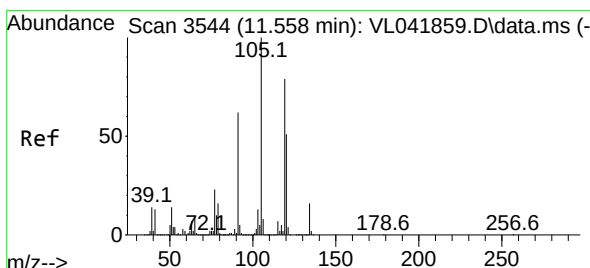
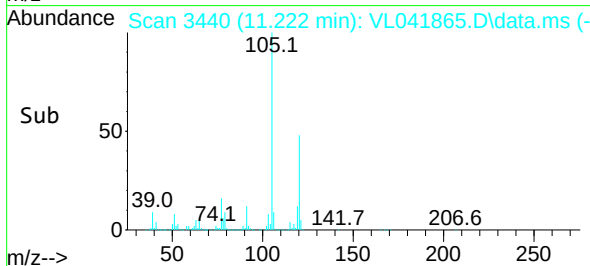
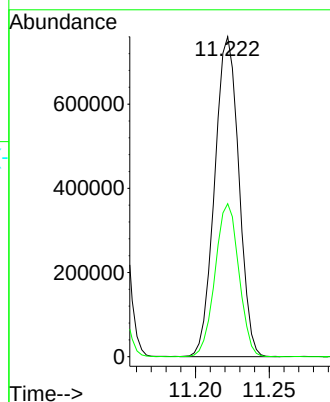
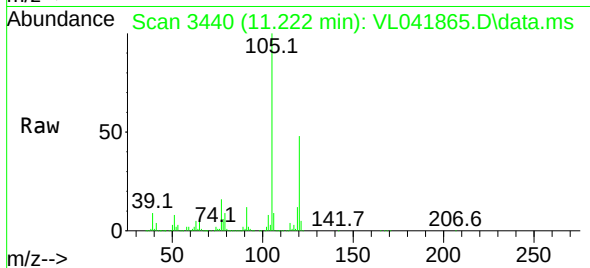
120 47.8 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 16.660 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion:105 Resp: 905561

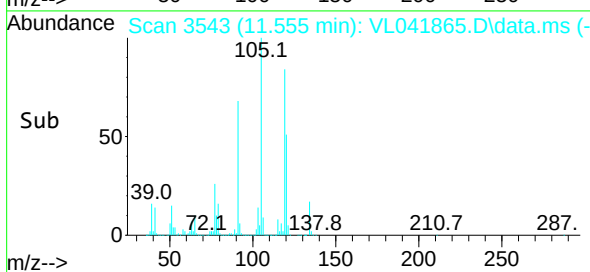
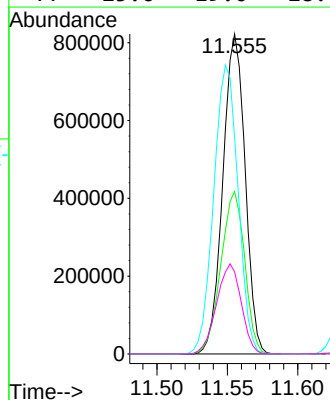
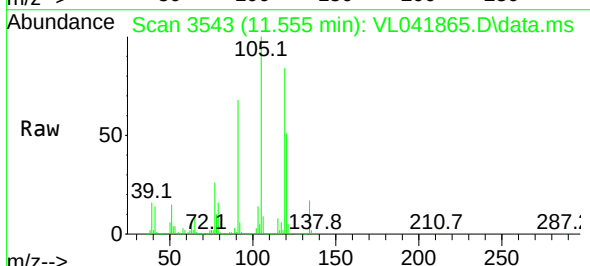
Ion Ratio Lower Upper

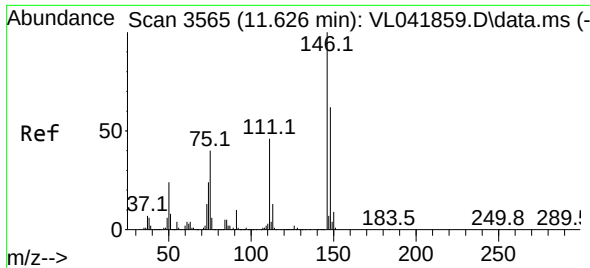
105 100

120 50.8 37.4 56.0

91 67.6 47.4 71.2

77 25.6 19.0 28.6





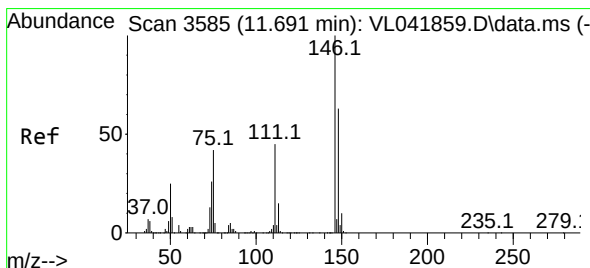
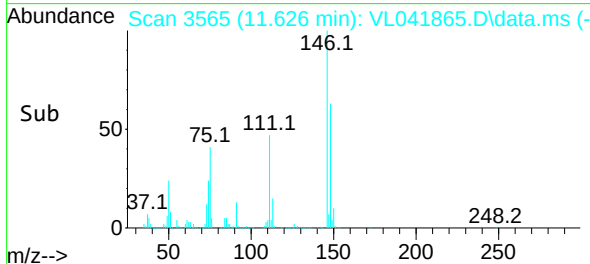
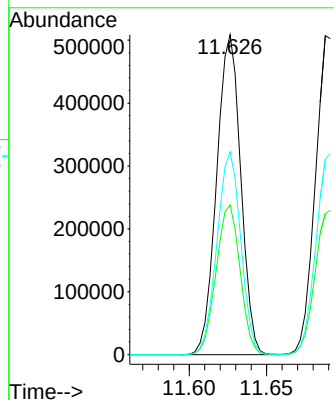
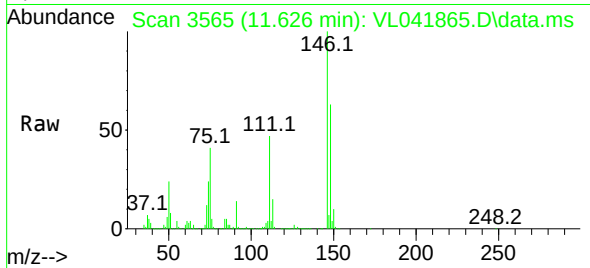
#75
1,3-Dichlorobenzene
Concen: 15.122 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

Tgt Ion:146 Resp: 55014
Ion Ratio Lower Upper
146 100
111 46.6 24.1 72.2
148 62.8 32.0 96.0

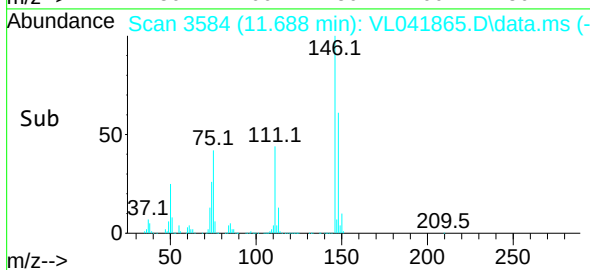
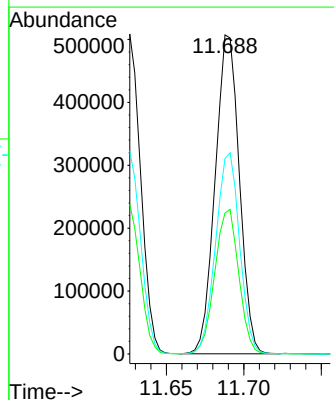
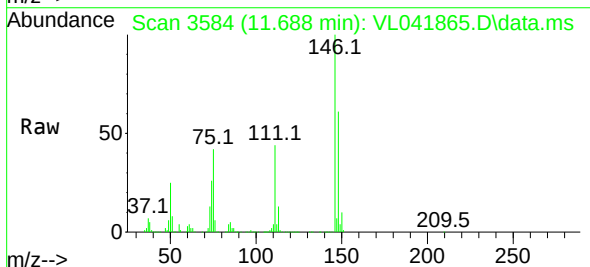
Manual Integrations
APPROVED

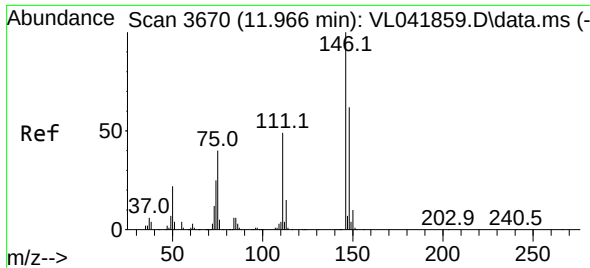
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#76
1,4-Dichlorobenzene
Concen: 15.719 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

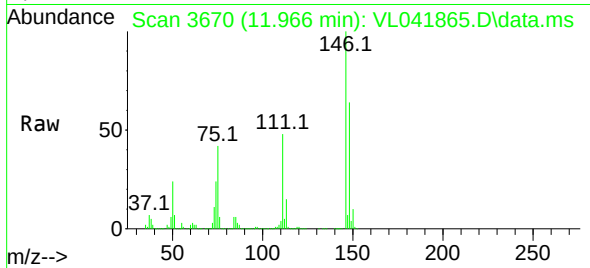
Tgt Ion:146 Resp: 550306
Ion Ratio Lower Upper
146 100
111 45.1 23.2 69.6
148 62.8 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 13.701 ppbv
RT: 11.966 min Scan# 3670
Delta R.T. 0.007 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

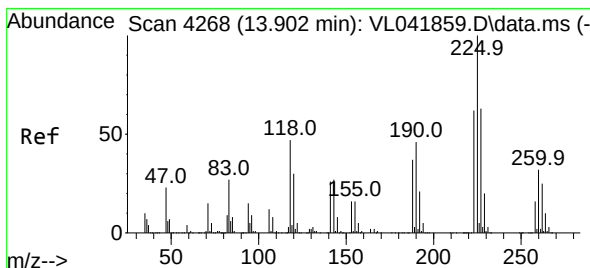
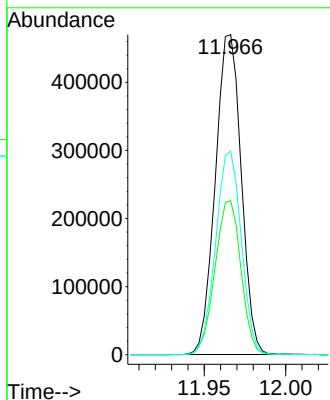
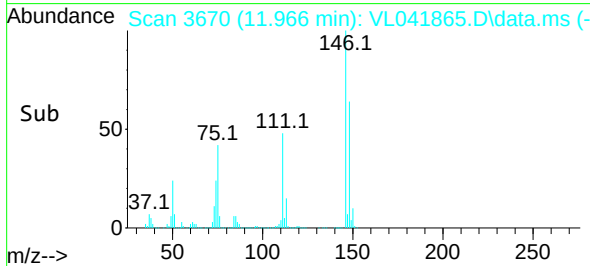
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



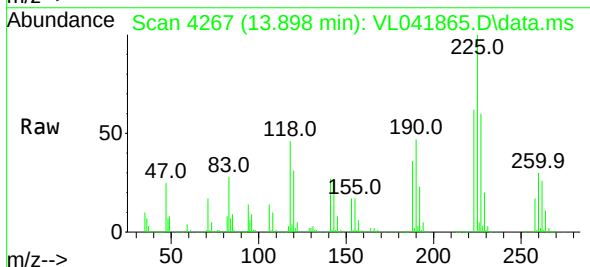
Tgt Ion:146 Resp: 51942
Ion Ratio Lower Upper
146 100
111 48.2 24.7 74.1
148 63.2 31.5 94.5

Manual Integrations
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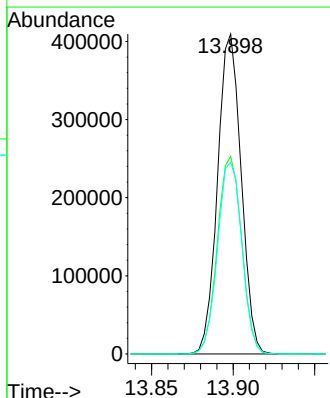
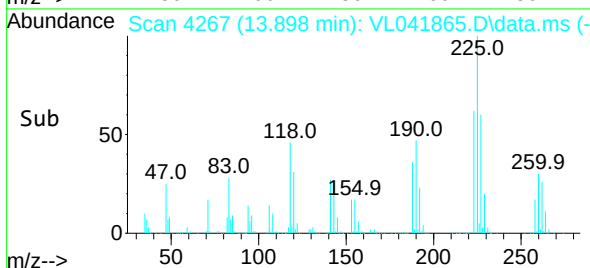
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

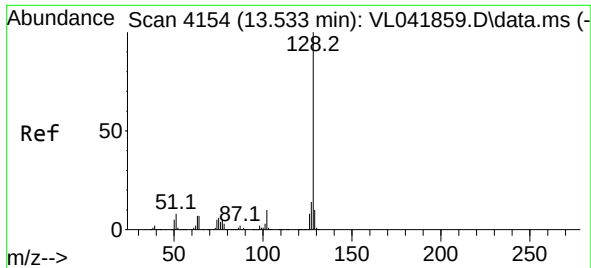


#78
Hexachloro-1,3-Butadiene
Concen: 15.294 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27



Tgt Ion:225 Resp: 411642
Ion Ratio Lower Upper
225 100
223 63.4 50.4 75.6
227 62.2 51.2 76.8





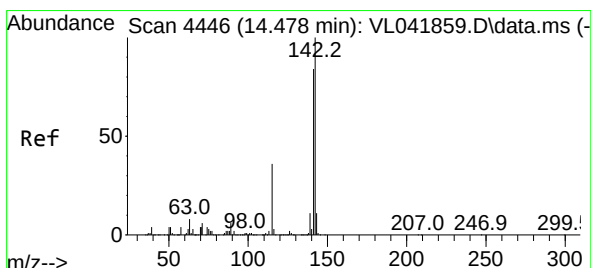
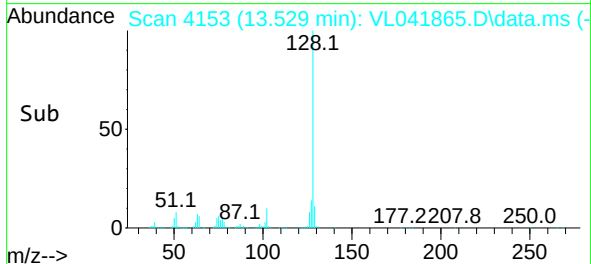
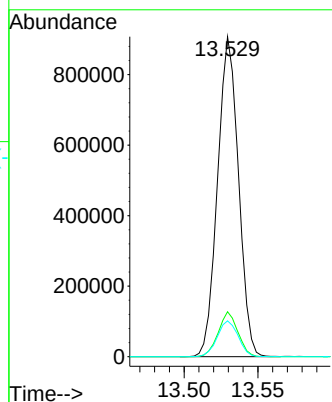
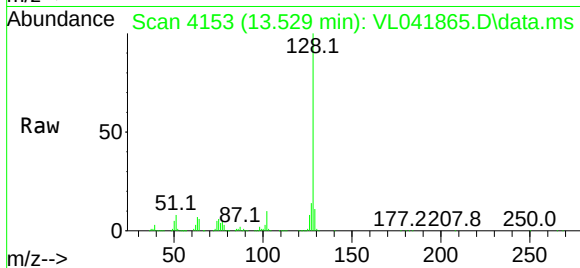
#79
Naphthalene
Concen: 22.388 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:128 Resp: 89644
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.2 8.2 12.4

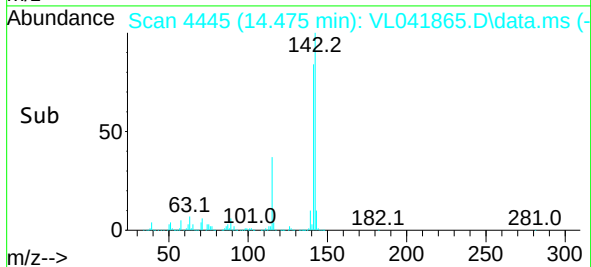
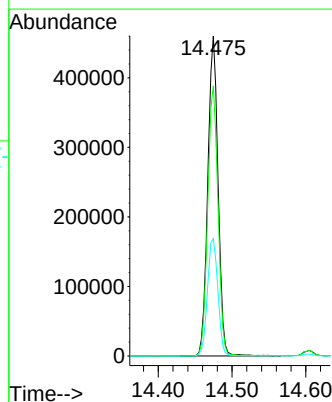
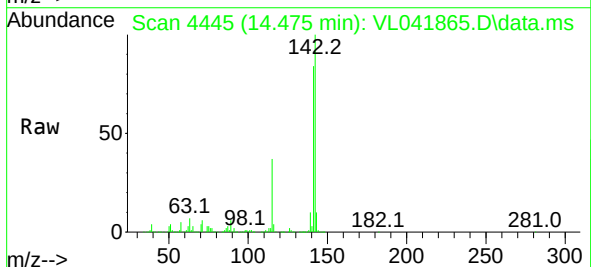
Manual Integrations
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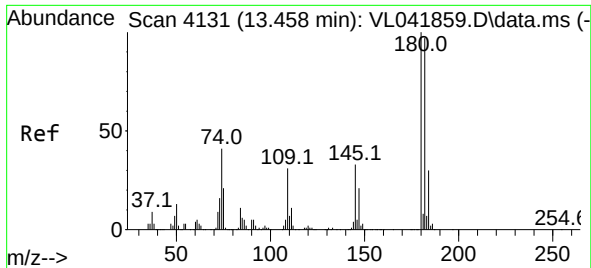
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#80
Naphthalene,2-methyl-
Concen: 29.892 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

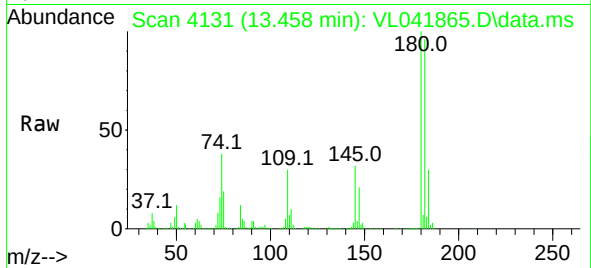
Tgt Ion:142 Resp: 442992
Ion Ratio Lower Upper
142 100
141 84.4 67.8 101.6
115 37.5 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 19.665 ppbv
 RT: 13.458 min Scan# 4131
 Delta R.T. 0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

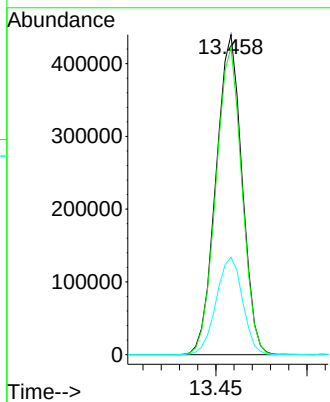
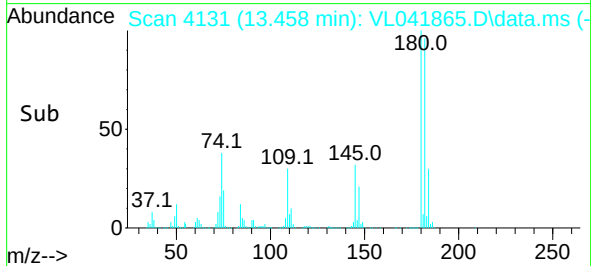
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 436412
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.9 113.9
 184 30.9 24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041866.D
 Acq On : 09 Jan 2025 15:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 15:38:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jan 09 15:10:07 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	133443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	399044	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	363459	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 291470 10.001 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	213962	9.767	ppbv	99
3) Chlorodifluoromethane	1.479	51	225635	9.377	ppbv	100
4) Chloromethane	1.538	50	80251	9.424	ppbv	97
5) Vinyl Chloride	1.586	62	79865	8.819	ppbv	99
6) Bromomethane	1.674	94	37306	8.740	ppbv	98
7) Chloroethane	1.709	64	31703	9.031	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	181663	9.538	ppbv	94
9) Propene	1.489	41	99446	8.857	ppbv	99
10) Heptane	5.004	43	273051	9.222	ppbv	95
11) Trichlorofluoromethane	1.884	101	215460	9.569	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	171593	9.420	ppbv	92
13) Ethanol	1.729	45	5044m	7.073	ppbv	
14) Bromoethene	1.787	108	61700	9.463	ppbv	97
15) Acetone	1.842	43	172416	7.661	ppbv	94
16) 1,3-Butadiene	1.615	39	83662	8.654	ppbv	93
17) tert-Butyl alcohol	2.049	59	246893	9.669	ppbv	100
18) 1,1-Dichloroethene	2.043	96	79001	9.584	ppbv	81
19) Isopropyl Alcohol	1.894	45	103696	8.766	ppbv #	1
20) Methylene Chloride	2.069	84	65389	8.517	ppbv	91
21) Allyl Chloride	2.104	41	131366	9.122	ppbv	93
22) trans-1,2-Dichloroethene	2.350	96	87967	9.216	ppbv	92
23) Vinyl Acetate	2.473	43	107320	9.411	ppbv #	93
24) 1,1-Dichloroethane	2.418	63	167453	9.264	ppbv	99
25) Ethyl Acetate	2.849	43	537722	9.615	ppbv	99
26) Hexane	2.839	57	213717	9.290	ppbv	89
27) Carbon Disulfide	2.159	76	211082	9.579	ppbv #	88
28) Methyl tert-Butyl Ether	2.454	73	150727	8.585	ppbv	99
29) Chloroform	2.861	83	302132	9.385	ppbv	98
30) Cyclohexane	3.878	84	187848	9.508	ppbv #	88
31) cis-1,2-Dichloroethene	2.732	61	215939	9.604	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	308704	9.654	ppbv	95
34) 2-Butanone	2.567	43	305484	9.209	ppbv	97
35) Carbon Tetrachloride	3.781	117	302110	9.742	ppbv	97
36) Benzene	3.674	78	448544	9.689	ppbv	96
37) 1,2-Dichloroethane	3.234	62	233663	9.621	ppbv #	96
38) Trichloroethene	4.570	130	171695	9.393	ppbv	96
39) 1,2-Dichloropropane	4.334	63	157431	9.560	ppbv #	85
40) 1,4-Dioxane	4.606	88	74011	8.937	ppbv #	76
41) Tetrahydrofuran	3.069	42	181706	9.327	ppbv	92
42) Bromodichloromethane	4.512	83	329142	9.864	ppbv	97
43) Methyl Methacrylate	4.907	69	179603	9.474	ppbv	87
44) 2,2,4-Trimethylpentane	4.668	57	741253	9.479	ppbv	93
45) t-1,3-Dichloropropene	6.444	75	182207	9.391	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041866.D
 Acq On : 09 Jan 2025 15:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 15:38:18 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

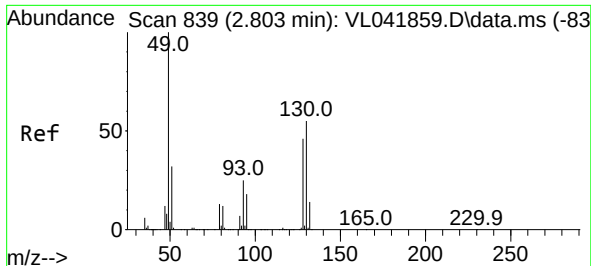
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jan 09 15:10:07 2025

Response via : Initial Calibration

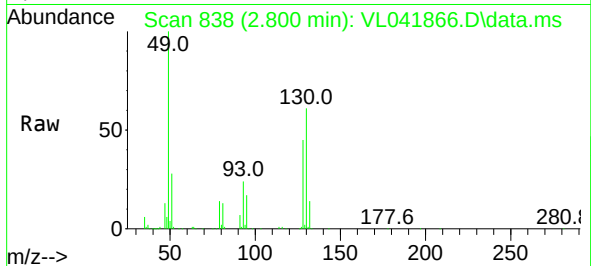
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	236106	9.483	ppbv	87
47) 1,1,2-Trichloroethane	6.610	97	165331	9.543	ppbv	95
48) Dibromochloromethane	7.409	129	266338	10.137	ppbv	99
49) Bromoform	9.500	173	230376	10.047	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	447733	9.458	ppbv	92
51) 2-Hexanone	7.458	43	363718	9.341	ppbv #	89
52) Tetrachloroethene	8.244	164	151399	8.536	ppbv	96
53) Toluene	6.959	91	517284	9.395	ppbv	100
54) 1,2-Dibromoethane	7.674	107	226153	9.598	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.943	131	209474	9.669	ppbv	100
57) Chlorobenzene	8.940	112	383752	9.470	ppbv	97
58) Ethyl Benzene	9.374	91	717041	9.595	ppbv	99
59) m/p-Xylene	9.548	91	1117121m	18.915	ppbv	
60) o-Xylene	9.982	91	555689	9.433	ppbv	99
61) Styrene	9.888	104	276061	9.385	ppbv	98
62) Isopropylbenzene	10.555	105	835024	9.415	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.979	83	327345	9.252	ppbv	100
64) n-propylbenzene	11.002	120	211515	9.153	ppbv	98
65) tert-Butylbenzene	11.545	119	747696	9.315	ppbv	96
66) Benzyl Chloride	11.630	91	68070	8.187	ppbv	95
67) sec-Butylbenzene	11.782	105	1020583	9.228	ppbv	99
69) p-Isopropyltoluene	11.940	119	862841	9.143	ppbv	98
70) n-Butylbenzene	12.296	91	843727	8.907	ppbv	98
71) 2-Chlorotoluene	10.917	91	625951	9.116	ppbv	100
72) 4-Ethyltoluene	11.141	105	668428	9.254	ppbv	99
73) 1,3,5-Trimethylbenzene	11.218	105	572229	9.332	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	607041	9.114	ppbv	91
75) 1,3-Dichlorobenzene	11.623	146	348741	8.734	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	351167	8.884	ppbv	98
77) 1,2-Dichlorobenzene	11.963	146	336372	8.912	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	247845	7.639	ppbv	99
79) Naphthalene	13.526	128	544143	7.583	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	232206	6.000	ppbv	97
81) 1,2,4-Trichlorobenzene	13.455	180	269501	7.888	ppbv	98

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

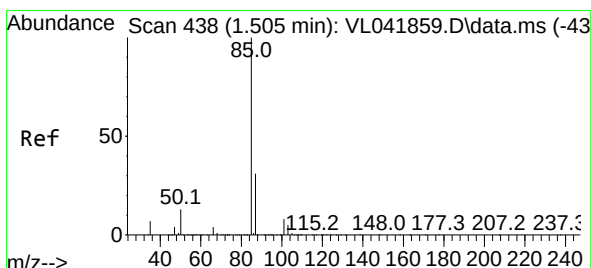
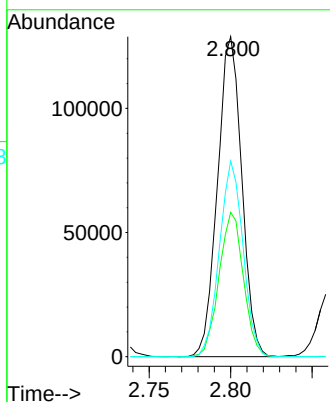
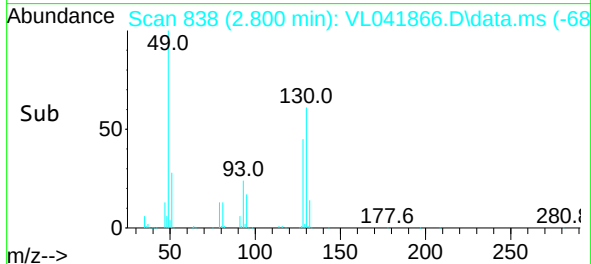
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



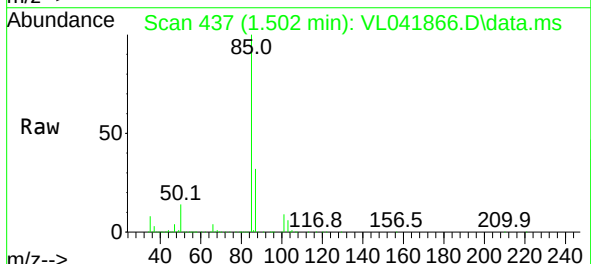
Tgt Ion: 49 Resp: 13344
Ion Ratio Lower Upper
49 100
128 45.3 19.7 59.1
130 59.3 26.4 79.2

Manual Integrations
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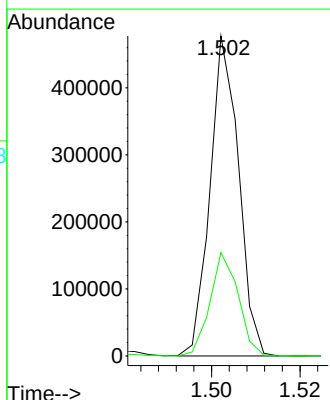
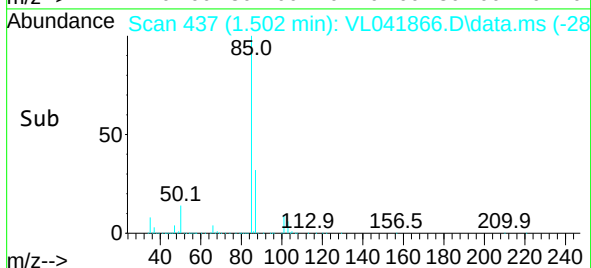
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

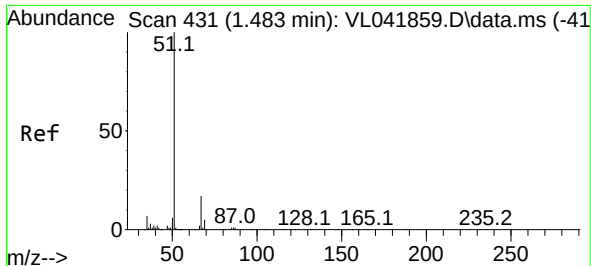


#2
Dichlorodifluoromethane
Concen: 9.767 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



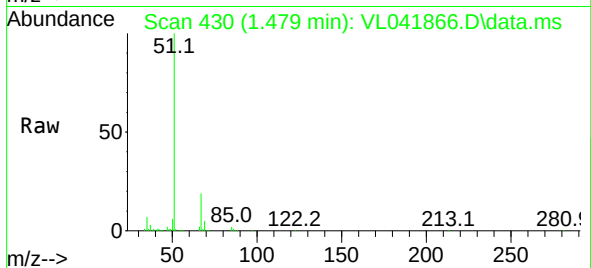
Tgt Ion: 85 Resp: 213962
Ion Ratio Lower Upper
85 100
87 32.3 25.6 38.4





#3
Chlorodifluoromethane
Concen: 9.377 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

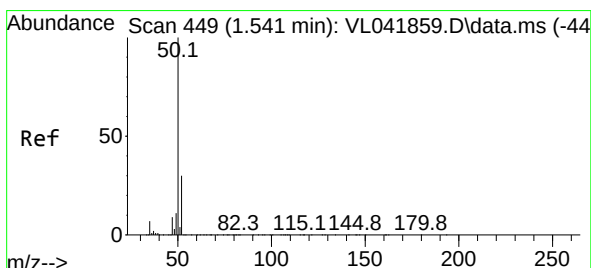
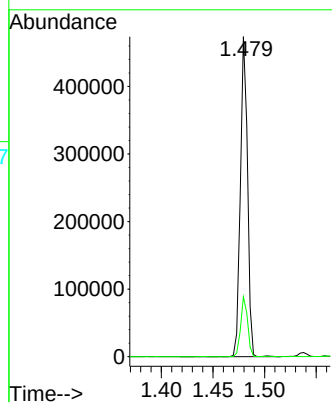
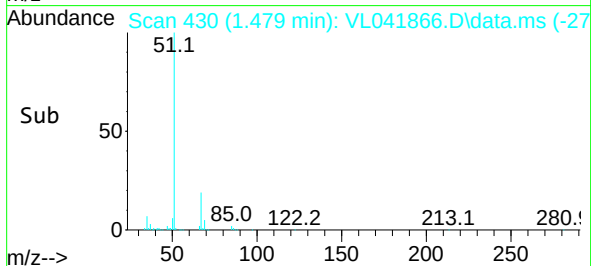
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



Tgt Ion: 51 Resp: 22563
Ion Ratio Lower Upper
51 100
67 18.5 14.6 22.0

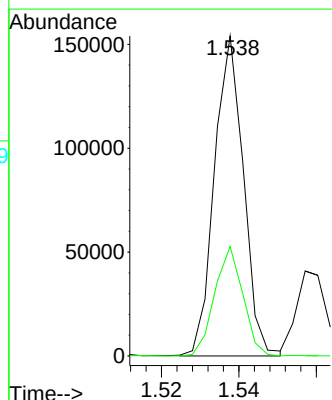
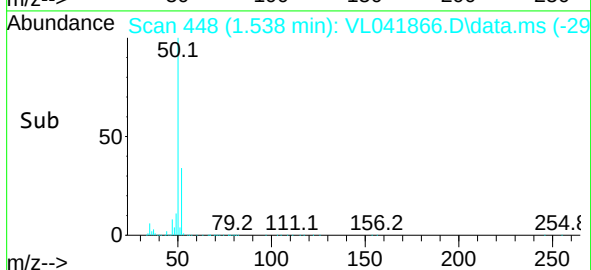
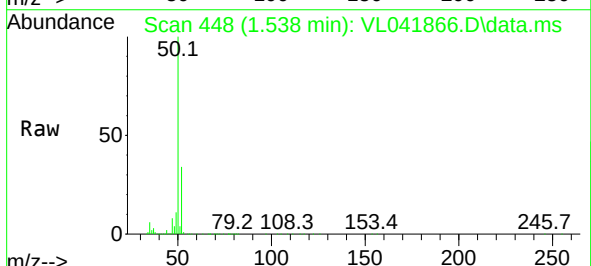
Manual Integrations
APPROVED

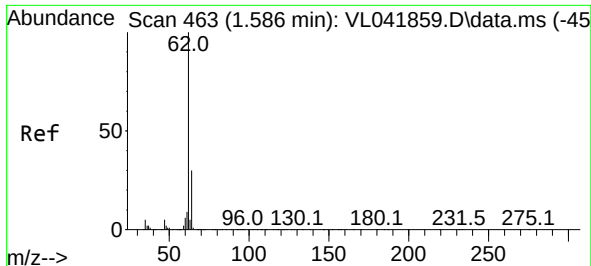
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#4
Chloromethane
Concen: 9.424 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

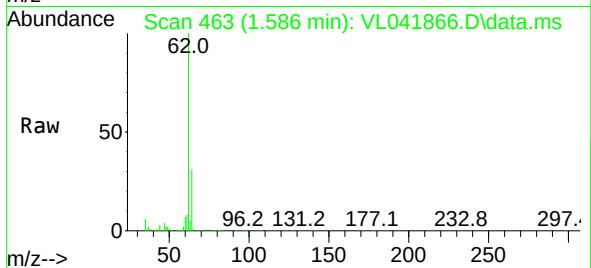
Tgt Ion: 50 Resp: 80251
Ion Ratio Lower Upper
50 100
52 34.3 26.1 39.1





#5
 Vinyl Chloride
 Concen: 8.819 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

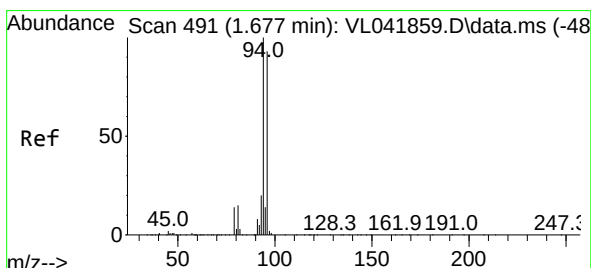
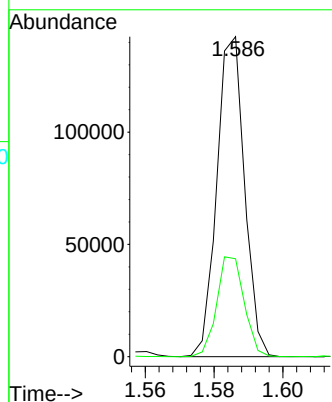
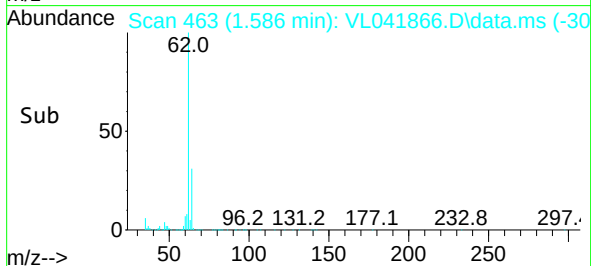
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



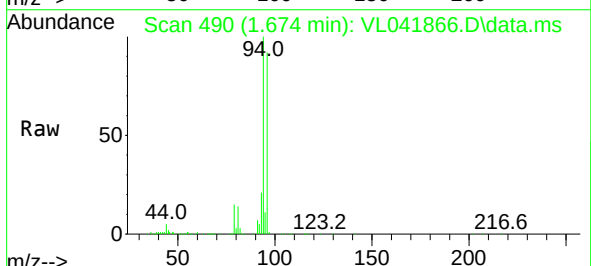
Tgt Ion: 62 Resp: 7986
 Ion Ratio Lower Upper
 62 100
 64 30.6 24.9 37.3

Manual Integrations
 APPROVED

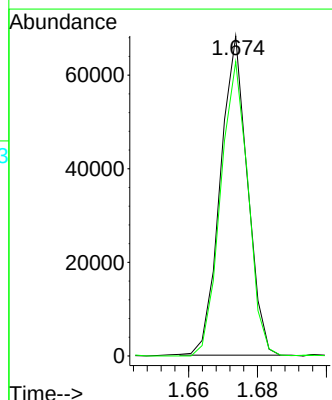
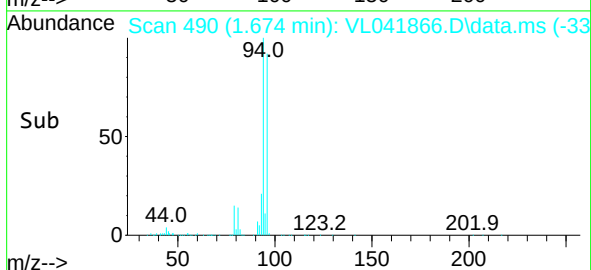
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

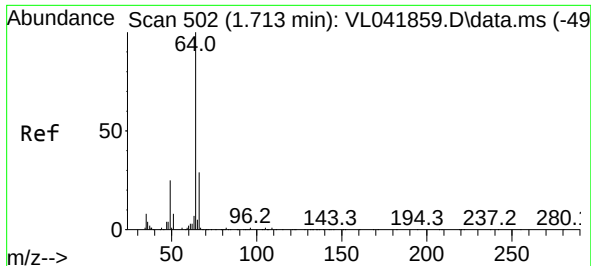


#6
 Bromomethane
 Concen: 8.740 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15



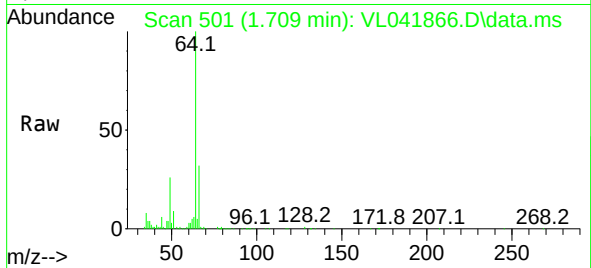
Tgt Ion: 94 Resp: 37306
 Ion Ratio Lower Upper
 94 100
 96 92.2 72.0 108.0





#7
Chloroethane
Concen: 9.031 ppbv
RT: 1.709 min Scan# 502
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

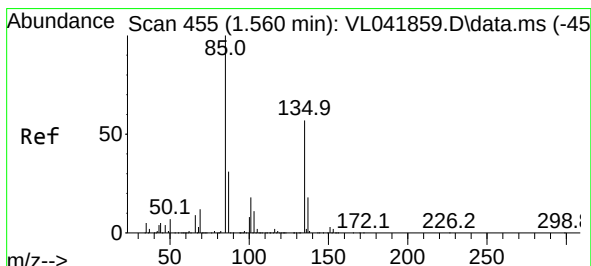
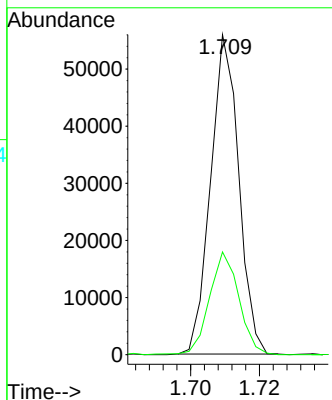
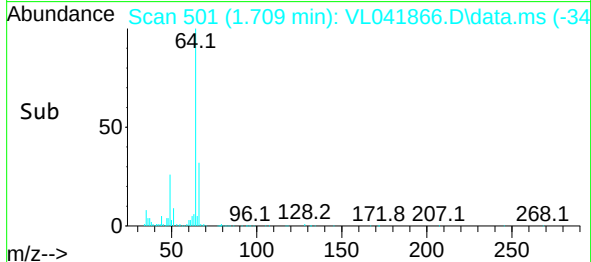
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



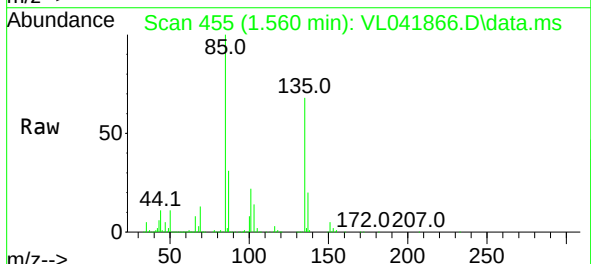
Tgt Ion: 64 Resp: 3170
Ion Ratio Lower Upper
64 100
66 32.1 25.6 38.4

Manual Integrations
APPROVED

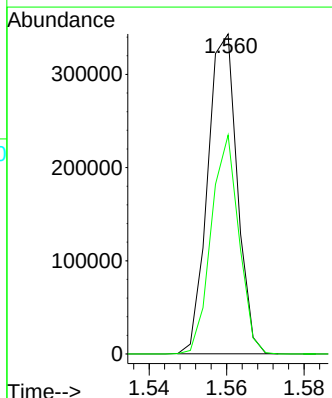
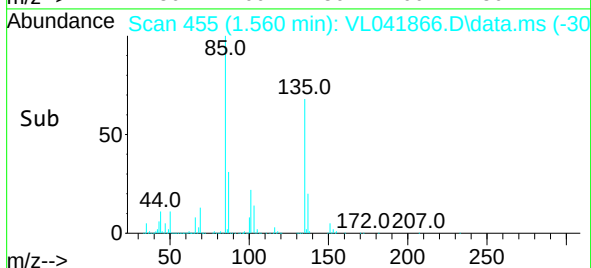
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

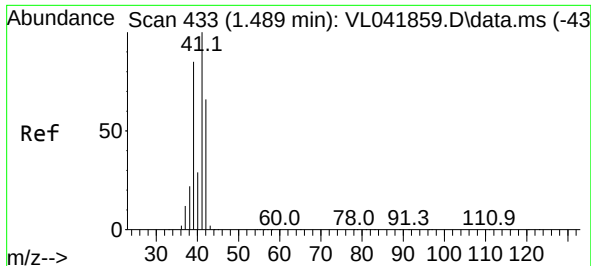


#8
Dichlorotetrafluoroethane
Concen: 9.538 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



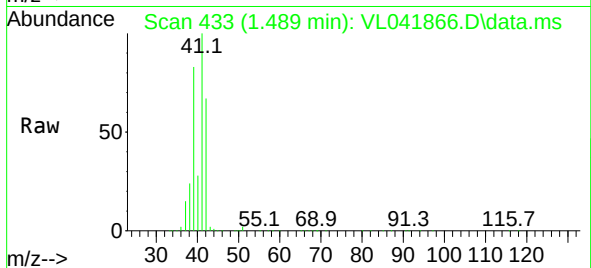
Tgt Ion: 85 Resp: 181663
Ion Ratio Lower Upper
85 100
135 64.2 47.9 71.9





#9
 Propene
 Concen: 8.857 ppbv
 RT: 1.489 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

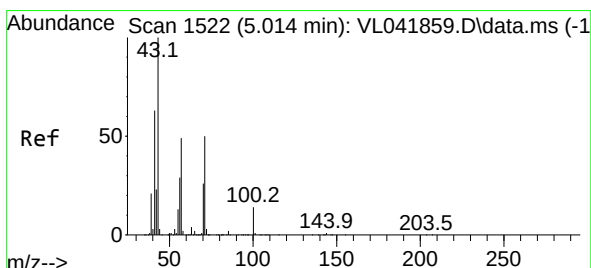
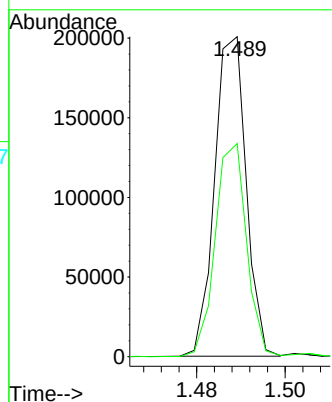
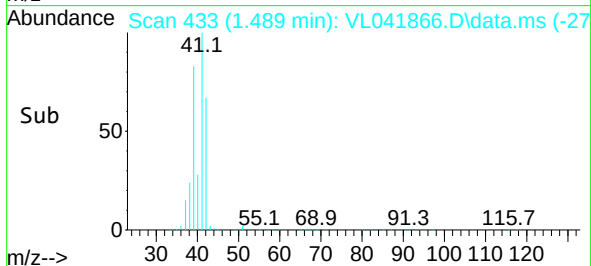
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



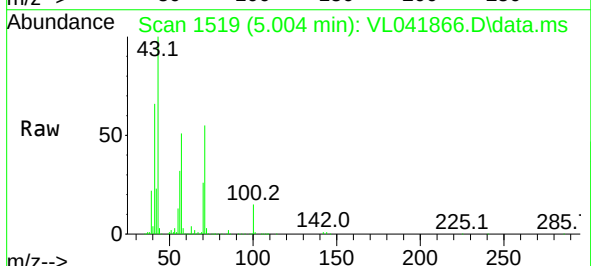
Tgt Ion: 41 Resp: 99440
 Ion Ratio Lower Upper
 41 100
 42 66.8 54.4 81.6

Manual Integrations
 APPROVED

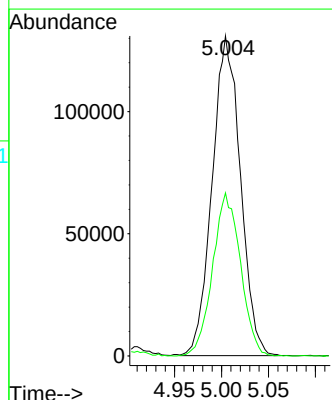
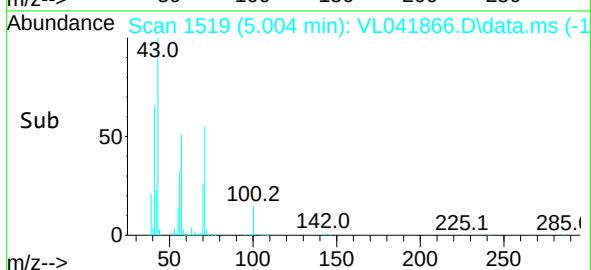
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

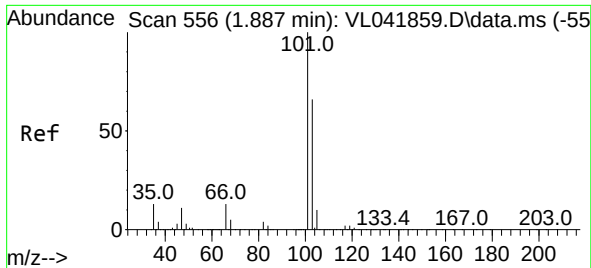


#10
 Heptane
 Concen: 9.222 ppbv
 RT: 5.004 min Scan# 1519
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15



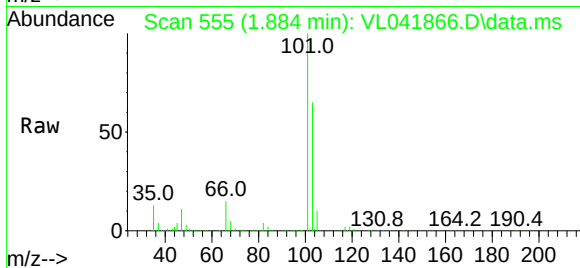
Tgt Ion: 43 Resp: 273051
 Ion Ratio Lower Upper
 43 100
 57 50.3 37.8 56.6





#11
Trichlorofluoromethane
Concen: 9.569 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

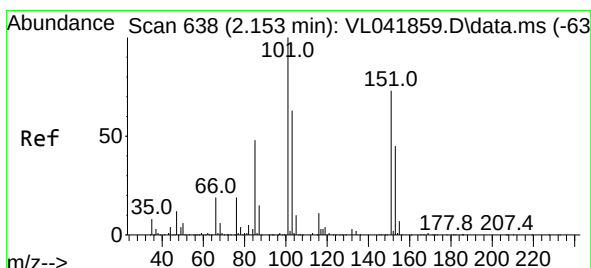
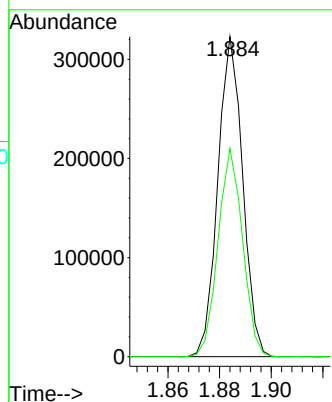
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



Tgt Ion:101 Resp: 215460
Ion Ratio Lower Upper
101 100
103 65.0 49.4 74.0

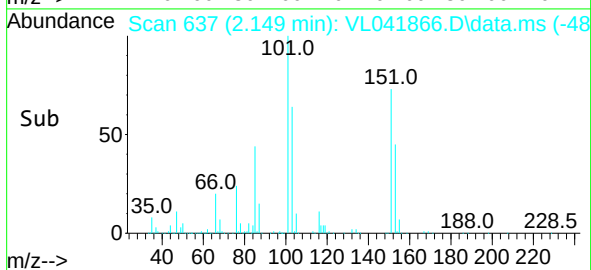
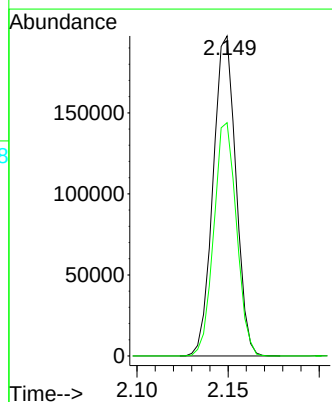
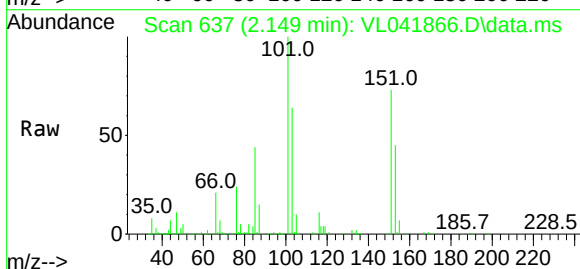
Manual Integrations
APPROVED

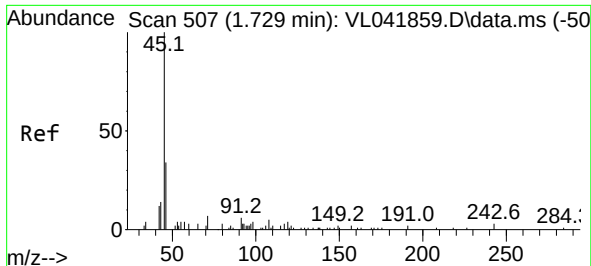
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.420 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

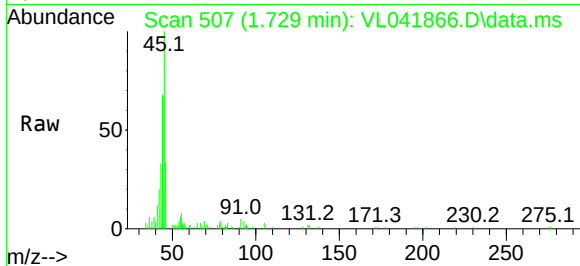
Tgt Ion:101 Resp: 171593
Ion Ratio Lower Upper
101 100
151 72.6 53.2 79.8





#13
Ethanol
Concen: 7.073 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

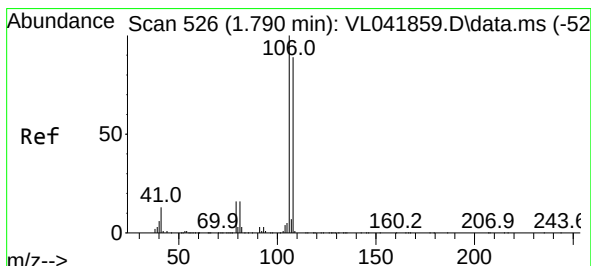
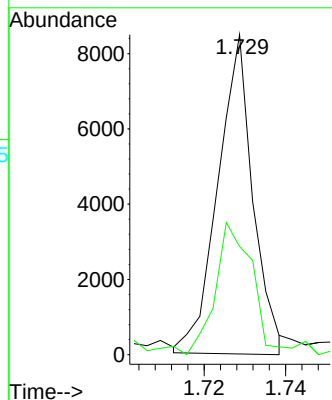
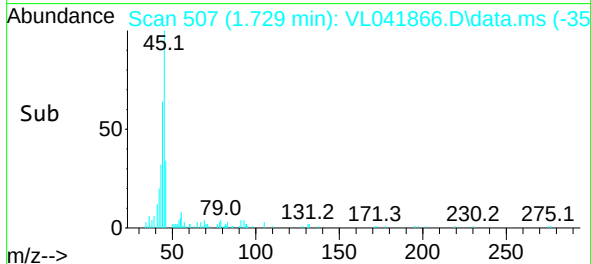
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



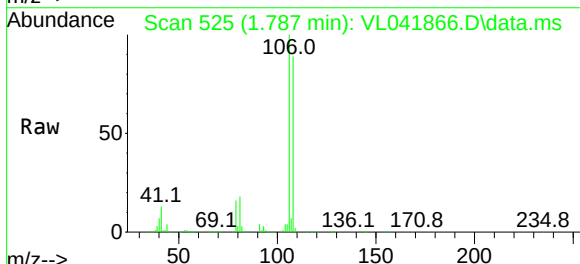
Tgt Ion: 45 Resp: 5044
Ion Ratio Lower Upper
45 100
46 50.6 16.1 64.5

Manual Integrations
APPROVED

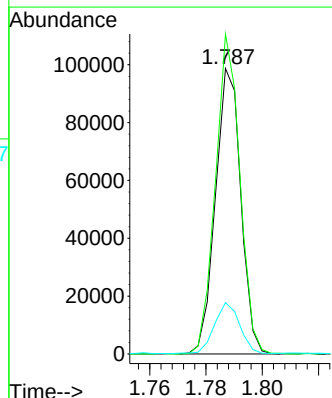
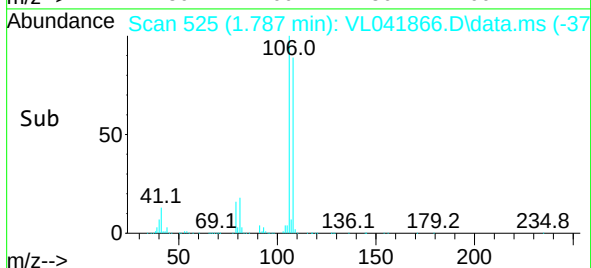
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

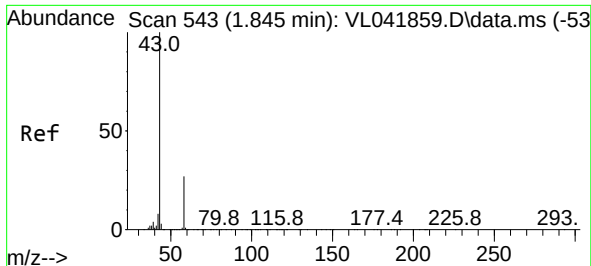


#14
Bromoethene
Concen: 9.463 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



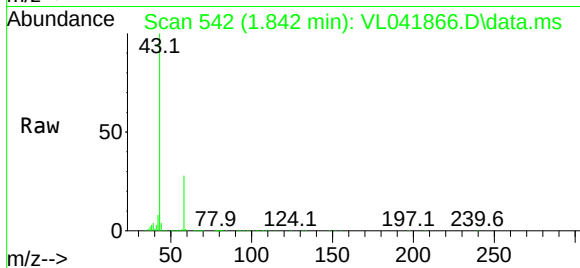
Tgt Ion:108 Resp: 61700
Ion Ratio Lower Upper
108 100
106 108.2 84.6 126.8
79 18.9 18.3 27.5





#15
Acetone
Concen: 7.661 ppbv
RT: 1.842 min Scan# 543
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

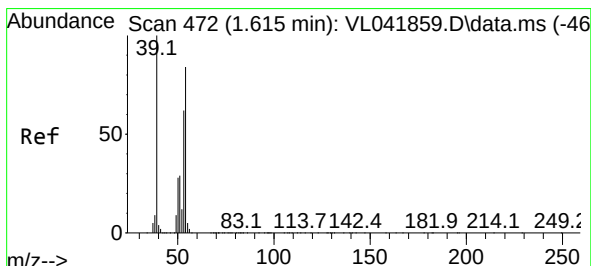
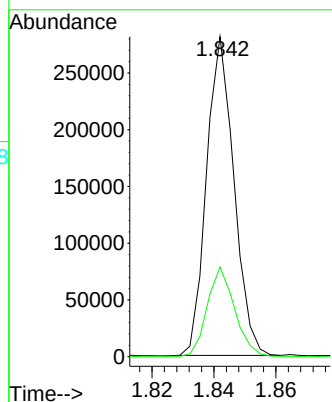
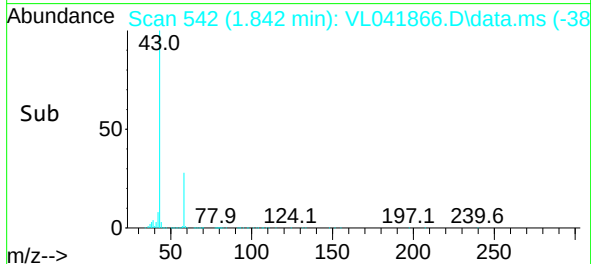
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



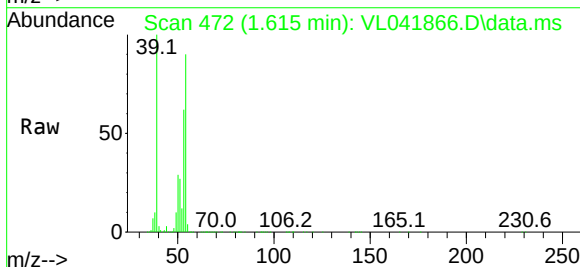
Tgt Ion: 43 Resp: 172410
Ion Ratio Lower Upper
43 100
58 28.4 20.2 30.2

Manual Integrations
APPROVED

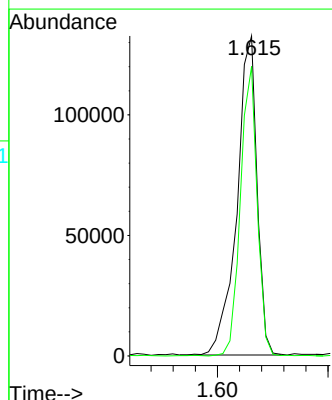
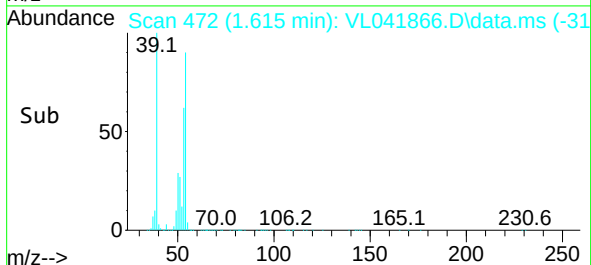
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

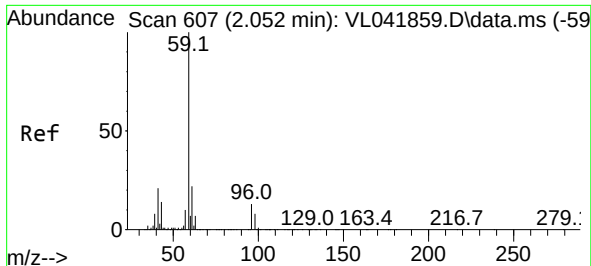


#16
1,3-Butadiene
Concen: 8.654 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion: 39 Resp: 83662
Ion Ratio Lower Upper
39 100
54 76.2 56.2 84.4





#17

tert-Butyl alcohol

Concen: 9.669 ppbv

RT: 2.049 min Scan# 607

Delta R.T. 0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

Tgt Ion: 59 Resp: 24689

Ion Ratio Lower Upper

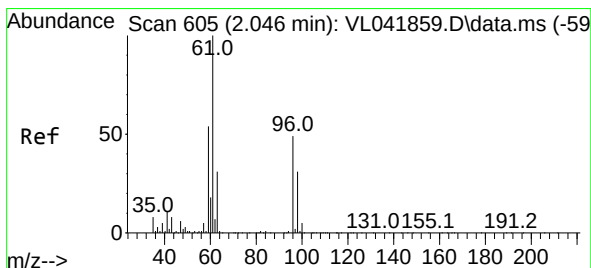
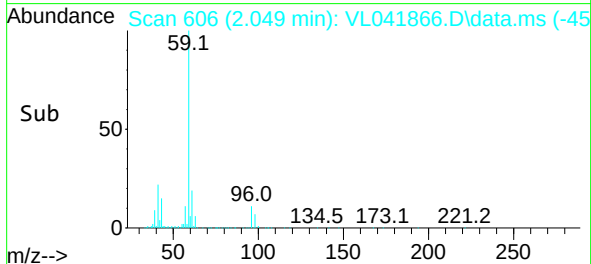
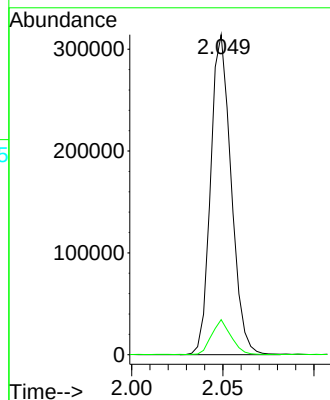
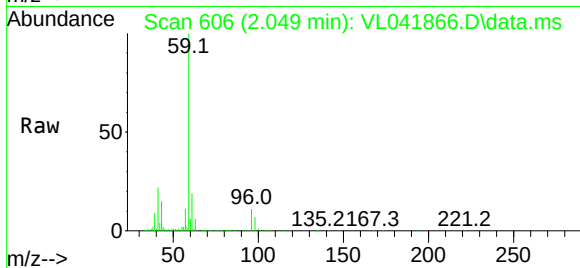
59 100

57 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#18

1,1-Dichloroethene

Concen: 9.584 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

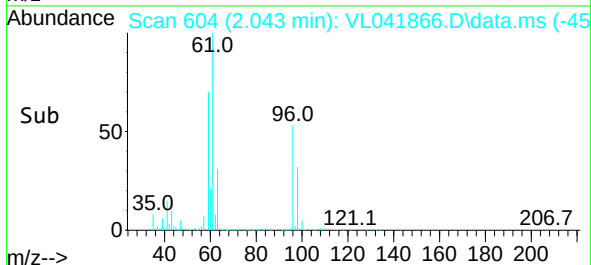
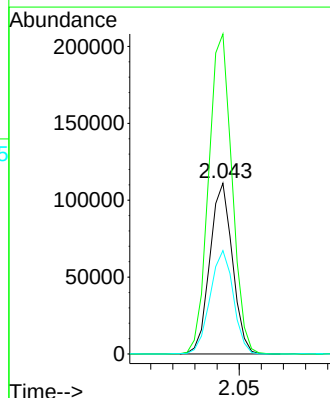
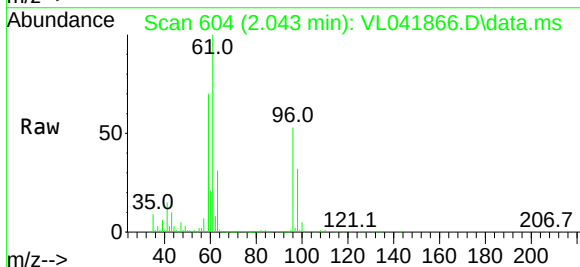
Tgt Ion: 96 Resp: 79001

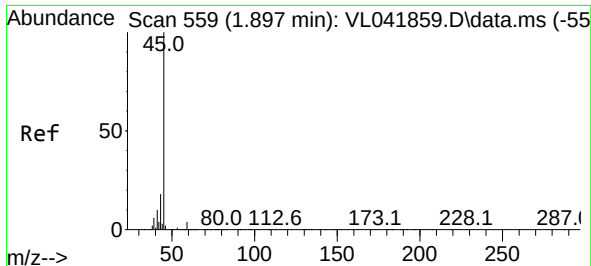
Ion Ratio Lower Upper

96 100

61 187.4 179.2 268.8

98 60.6 51.6 77.4





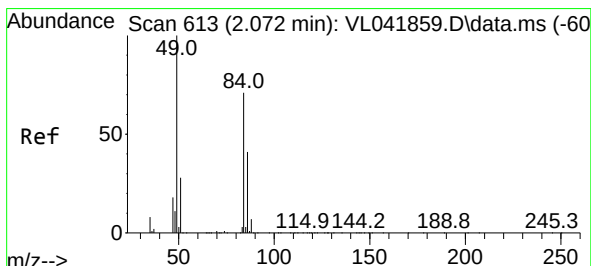
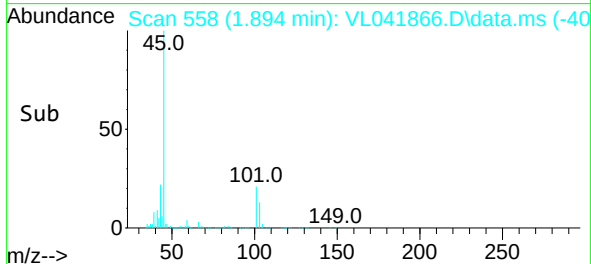
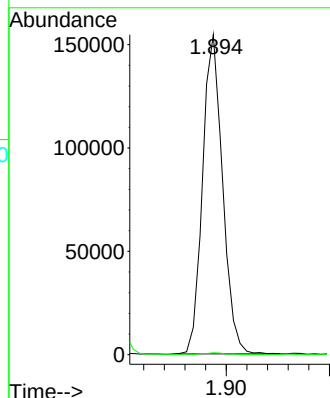
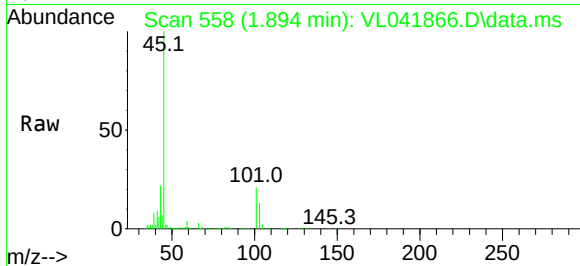
#19
Isopropyl Alcohol
Concen: 8.766 ppbv
RT: 1.894 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

Tgt Ion: 45 Resp: 103690
Ion Ratio Lower Upper
45 100
58 47.2 2.0 3.0

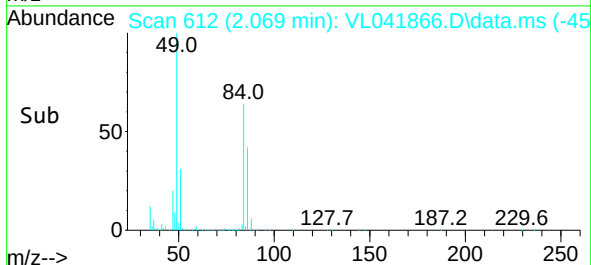
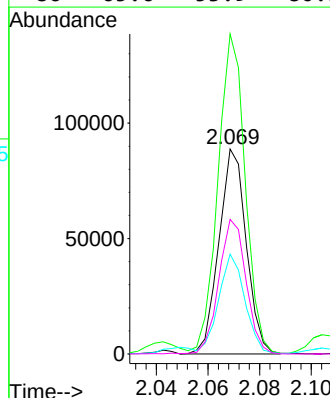
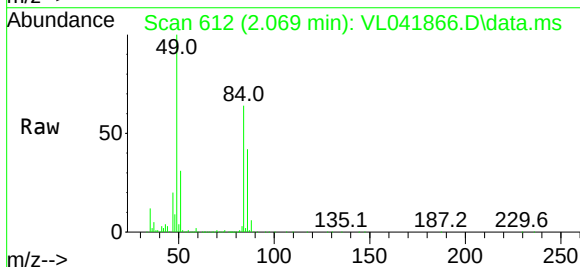
Manual Integrations
APPROVED

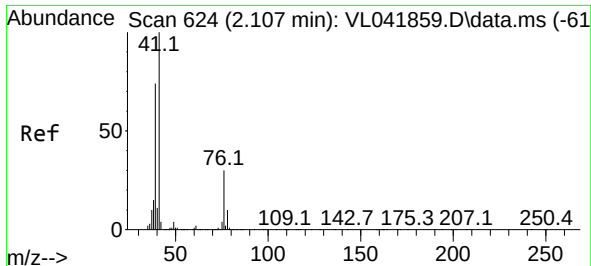
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#20
Methylene Chloride
Concen: 8.517 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

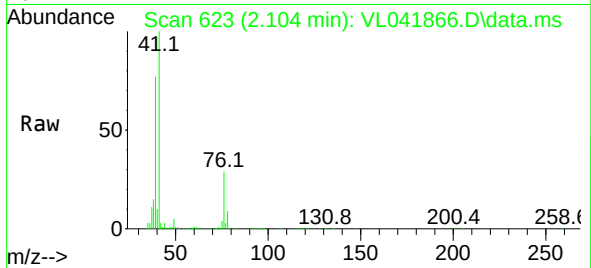
Tgt Ion: 84 Resp: 65389
Ion Ratio Lower Upper
84 100
49 155.8 137.8 206.8
51 48.1 43.9 65.9
86 65.6 53.9 80.9





#21
 Allyl Chloride
 Concen: 9.122 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

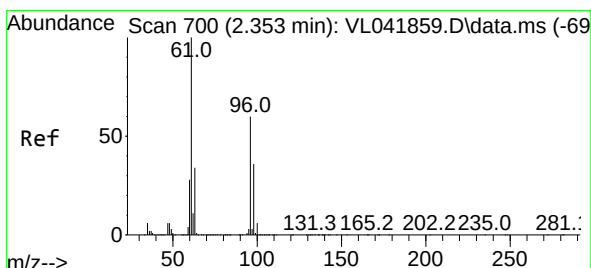
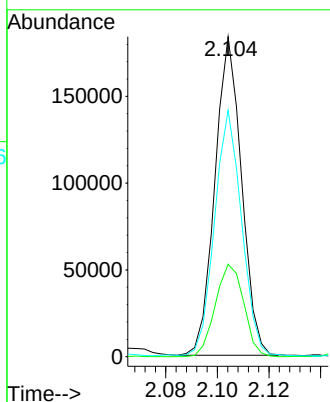
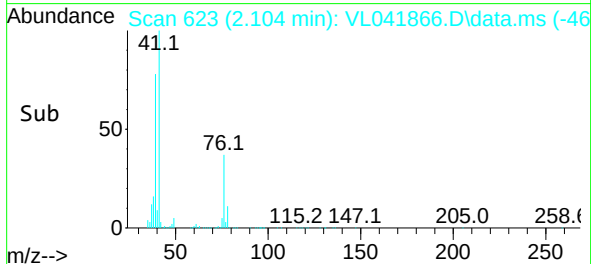
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



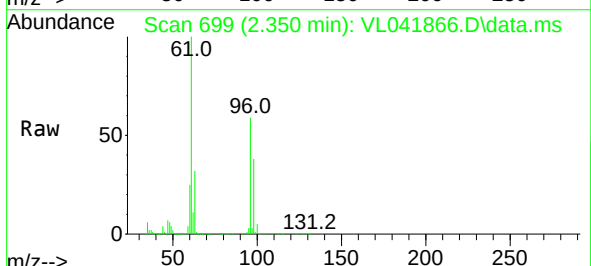
Tgt Ion: 41 Resp: 131360
 Ion Ratio Lower Upper
 41 100
 76 30.7 20.6 31.0
 39 78.9 67.4 101.2

Manual Integrations
 APPROVED

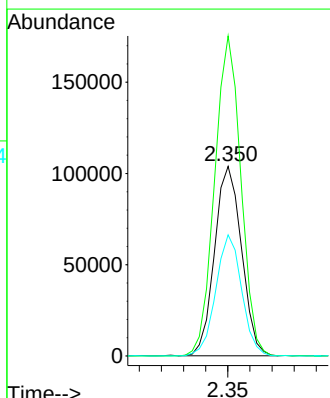
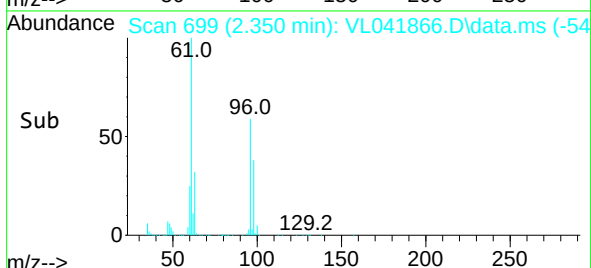
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

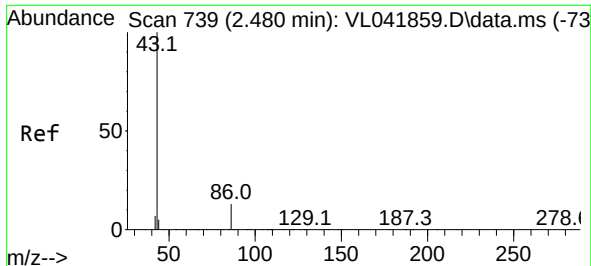


#22
 trans-1,2-Dichloroethene
 Concen: 9.216 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15



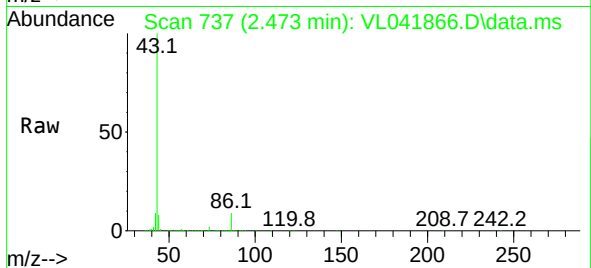
Tgt Ion: 96 Resp: 87967
 Ion Ratio Lower Upper
 96 100
 61 168.8 144.0 216.0
 98 63.9 46.9 70.3





#23
 Vinyl Acetate
 Concen: 9.411 ppbv
 RT: 2.473 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

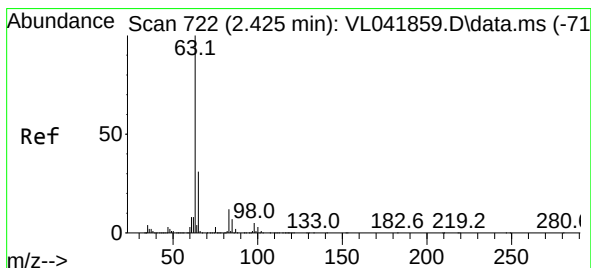
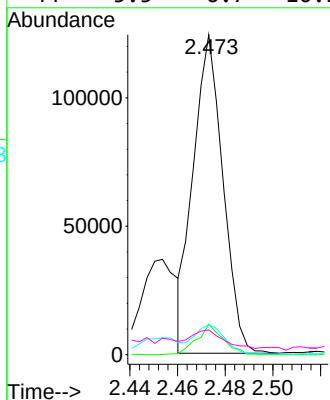
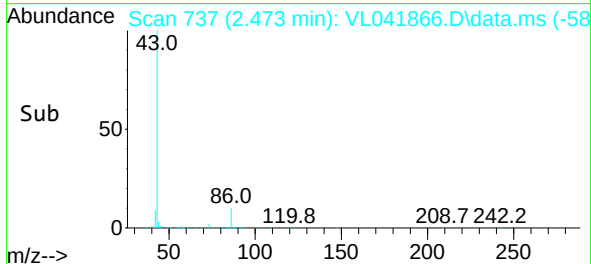
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



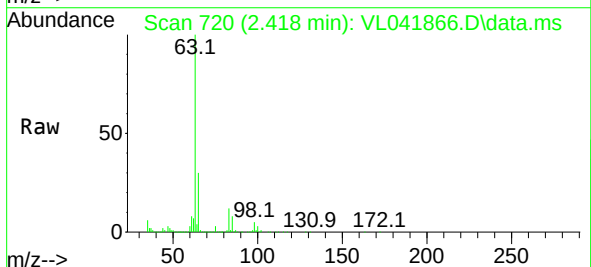
Tgt Ion: 43 Resp: 107320
 Ion Ratio Lower Upper
 43 100
 86 9.5 6.4 9.6
 42 9.1 9.5 14.3
 44 5.5 6.7 10.1#

Manual Integrations
 APPROVED

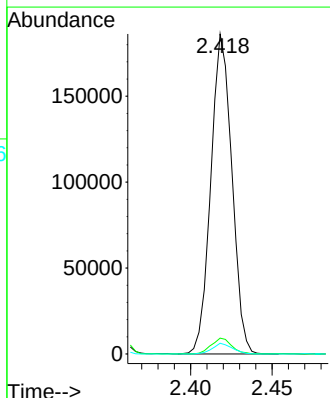
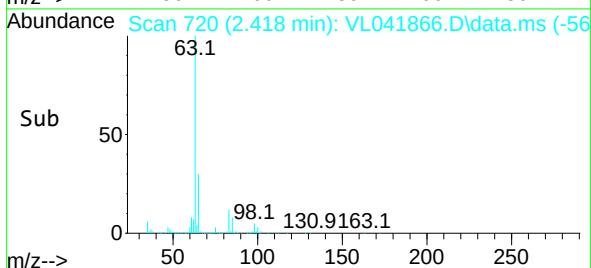
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

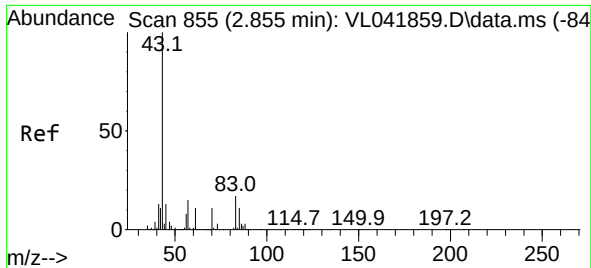


#24
 1,1-Dichloroethane
 Concen: 9.264 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15



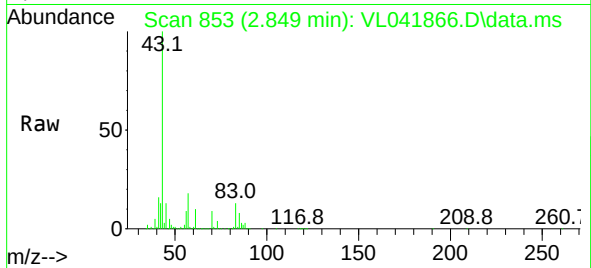
Tgt Ion: 63 Resp: 167453
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.3 6.9
 100 3.4 1.4 4.0





#25
Ethyl Acetate
Concen: 9.615 ppbv
RT: 2.849 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

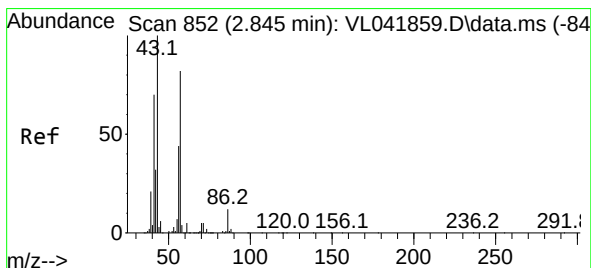
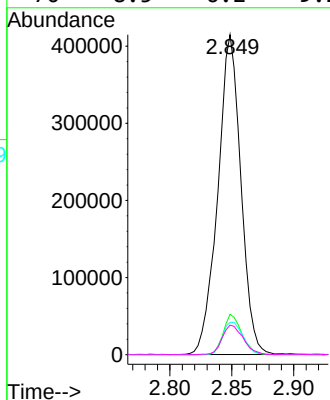
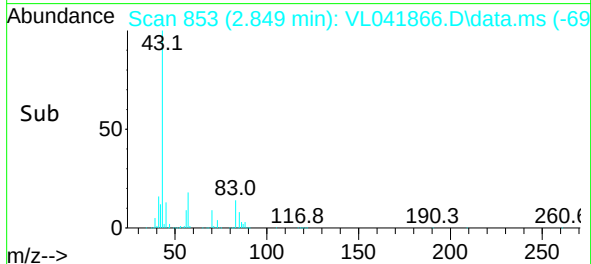
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



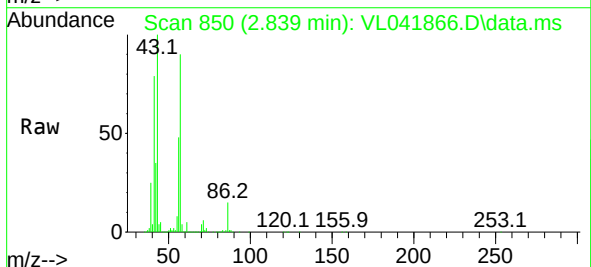
Tgt Ion: 43 Resp: 53772
Ion Ratio Lower Upper
43 100
45 10.2 7.8 11.8
61 9.2 7.0 10.6
70 8.5 6.2 9.2

Manual Integrations
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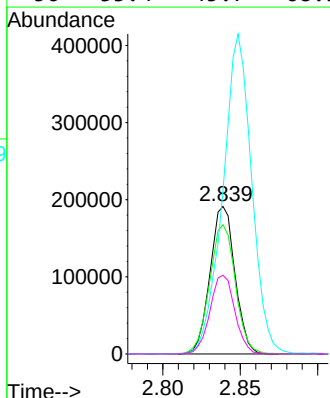
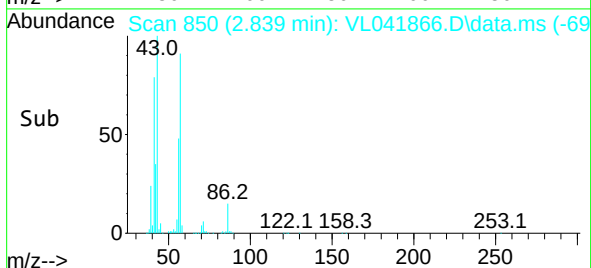
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

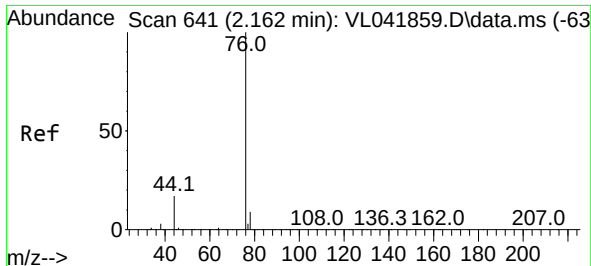


#26
Hexane
Concen: 9.290 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



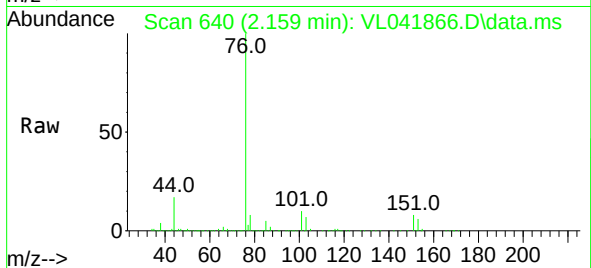
Tgt Ion: 57 Resp: 213717
Ion Ratio Lower Upper
57 100
41 91.5 84.1 126.1
43 252.2 218.4 327.6
56 53.4 45.7 68.5





#27
Carbon Disulfide
Concen: 9.579 ppbv
RT: 2.159 min Scan# 641
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

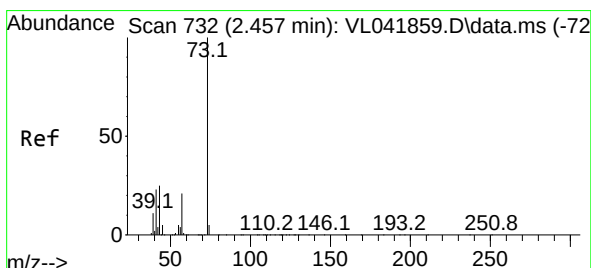
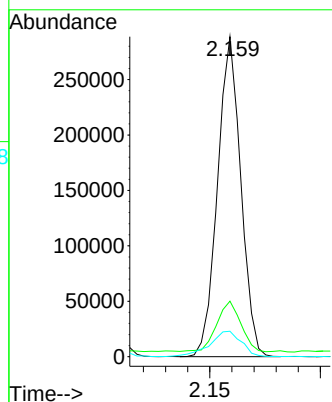
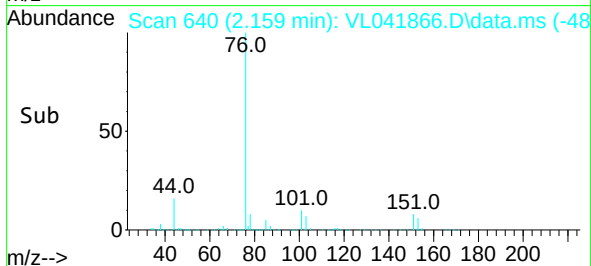
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



Tgt Ion: 76 Resp: 211082
Ion Ratio Lower Upper
76 100
44 16.5 19.8 29.8
78 11.0 9.8 14.8

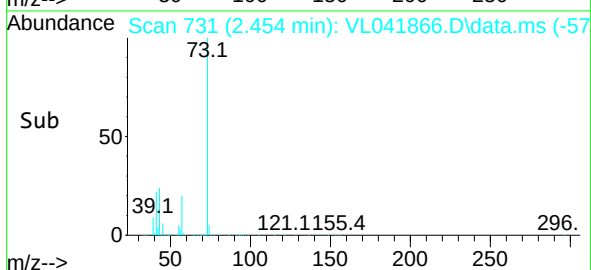
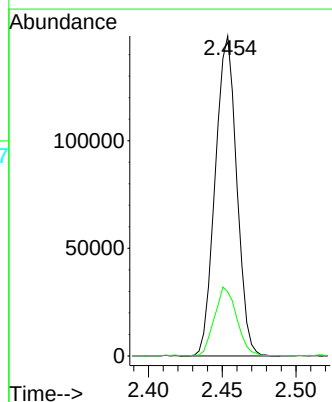
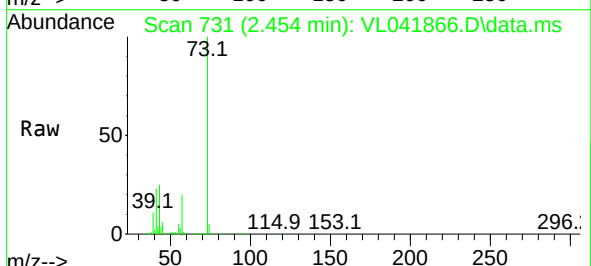
Manual Integrations
APPROVED

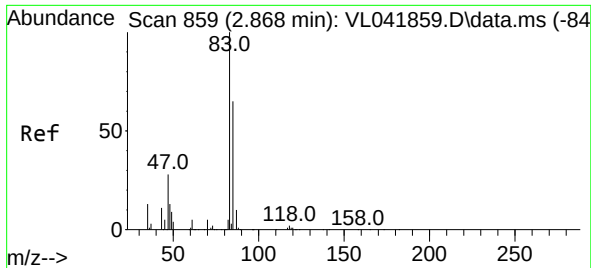
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#28
Methyl tert-Butyl Ether
Concen: 8.585 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

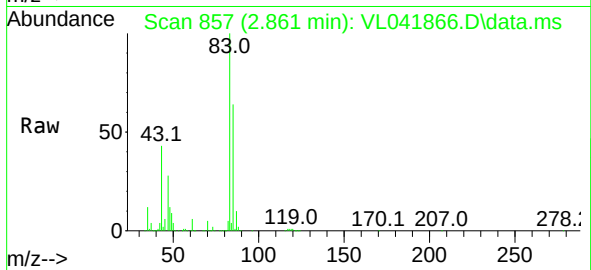
Tgt Ion: 73 Resp: 150727
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6





#29
Chloroform
Concen: 9.385 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

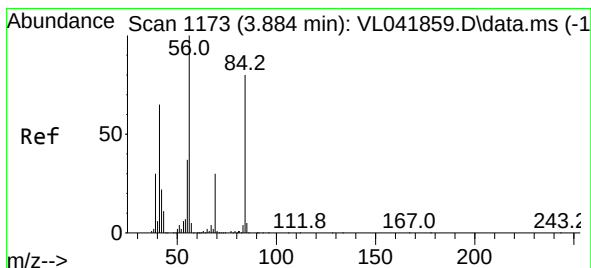
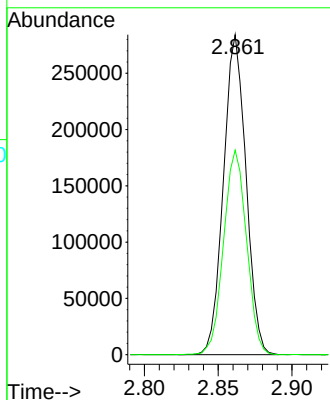
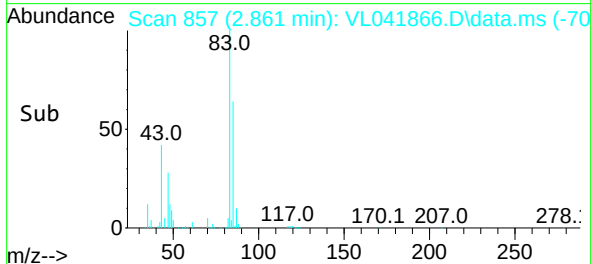
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



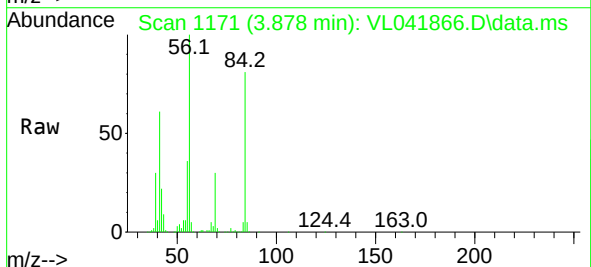
Tgt Ion: 83 Resp: 30213
Ion Ratio Lower Upper
83 100
85 63.9 49.6 74.4

Manual Integrations
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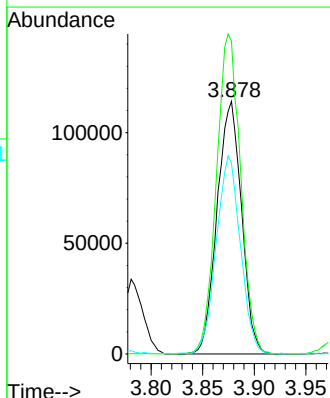
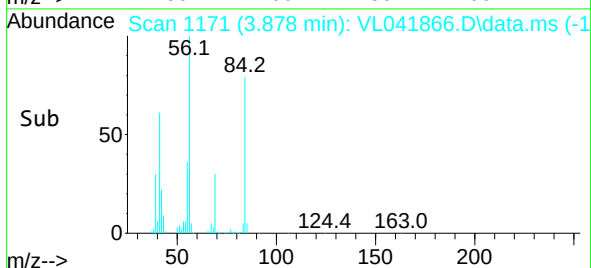
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

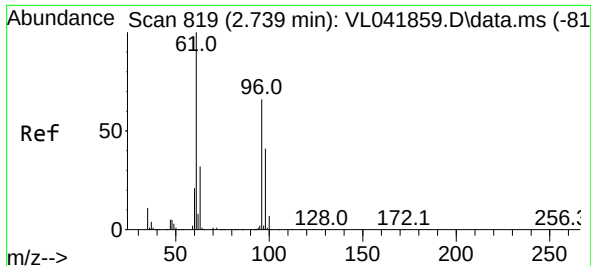


#30
Cyclohexane
Concen: 9.508 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



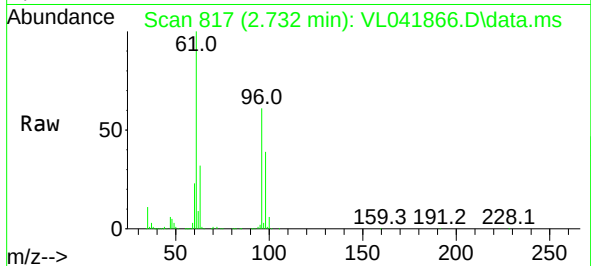
Tgt Ion: 84 Resp: 187848
Ion Ratio Lower Upper
84 100
56 125.0 105.0 157.6
41 77.5 78.9 118.3#





#31
 cis-1,2-Dichloroethene
 Concen: 9.604 ppbv
 RT: 2.732 min Scan# 819
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

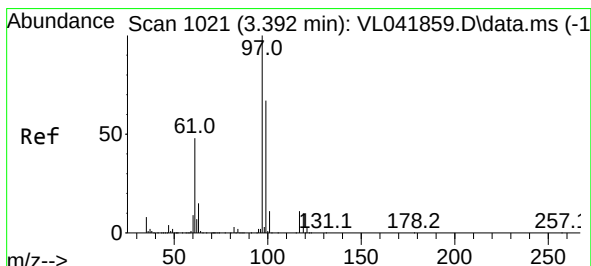
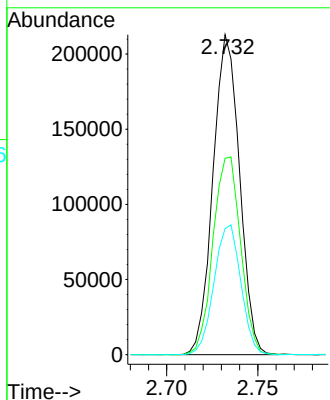
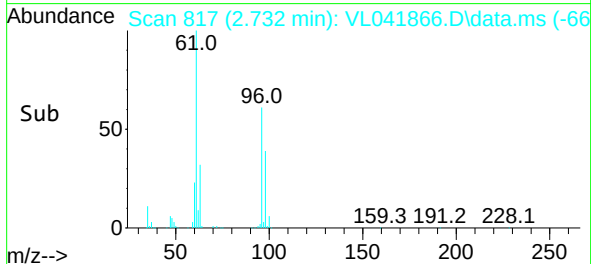
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



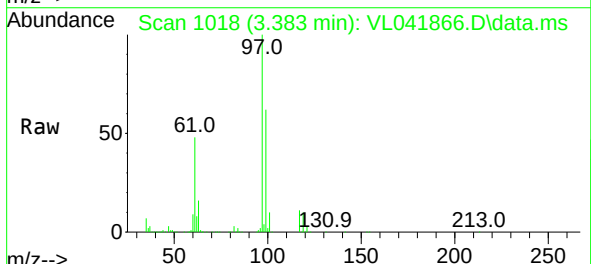
Tgt Ion: 61 Resp: 215939
 Ion Ratio Lower Upper
 61 100
 96 61.3 47.6 71.4
 98 39.4 30.2 45.2

Manual Integrations
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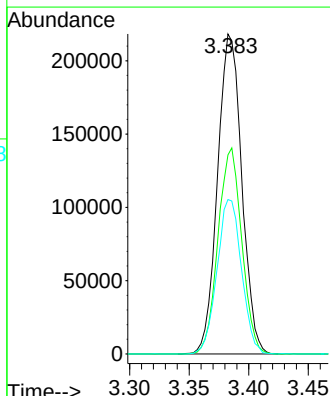
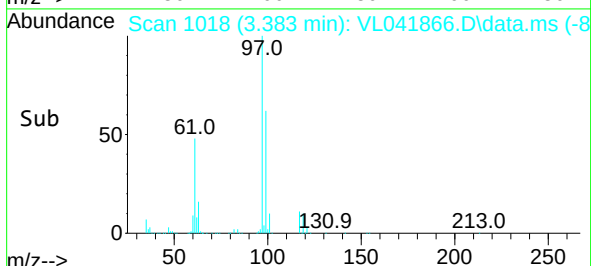
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

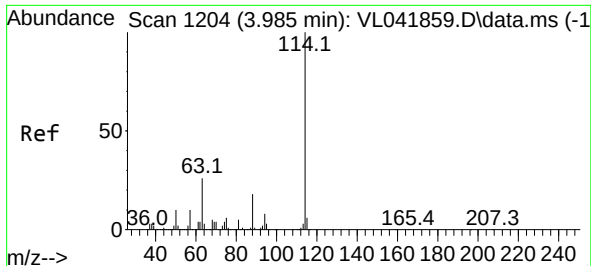


#32
 1,1,1-Trichloroethane
 Concen: 9.654 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15



Tgt Ion: 97 Resp: 308704
 Ion Ratio Lower Upper
 97 100
 99 63.0 50.6 76.0
 61 48.8 45.0 67.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041866.D

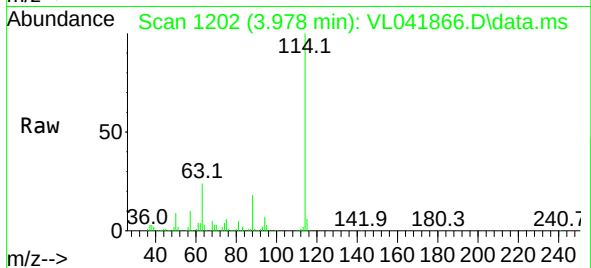
Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925



Tgt Ion:114 Resp: 399044

Ion Ratio Lower Upper

114 100

63 24.6 22.3 33.5

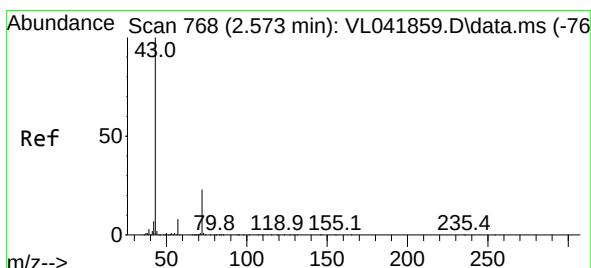
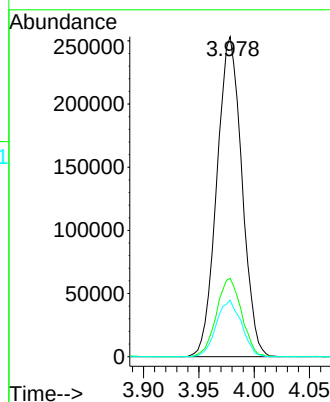
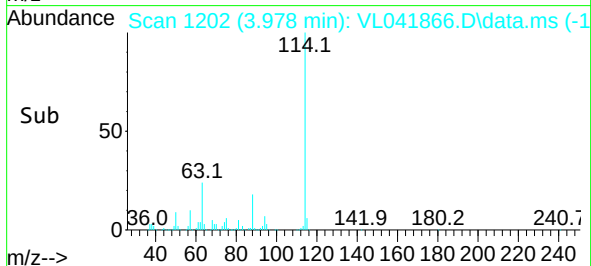
88 17.7 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 9.209 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.000 min

Lab File: VL041866.D

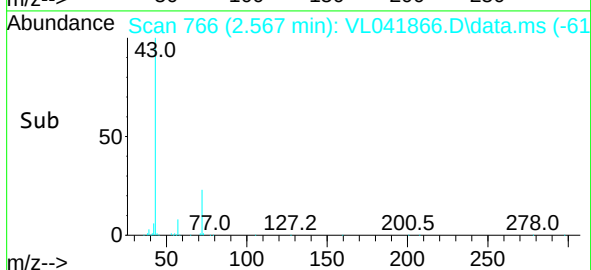
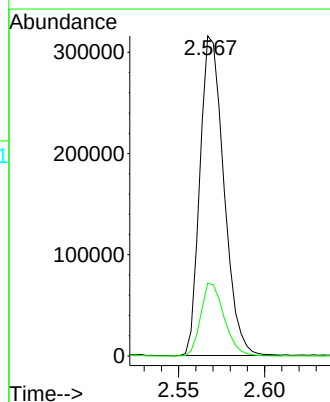
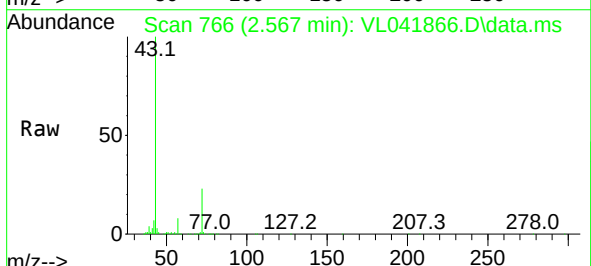
Acq: 09 Jan 2025 15:15

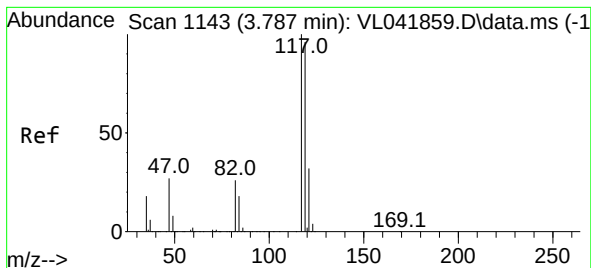
Tgt Ion: 43 Resp: 305484

Ion Ratio Lower Upper

43 100

72 22.3 16.6 25.0





#35

Carbon Tetrachloride

Concen: 9.742 ppbv

RT: 3.781 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

Tgt Ion:117 Resp: 302110

Ion Ratio Lower Upper

117 100

119 95.7 79.1 118.7

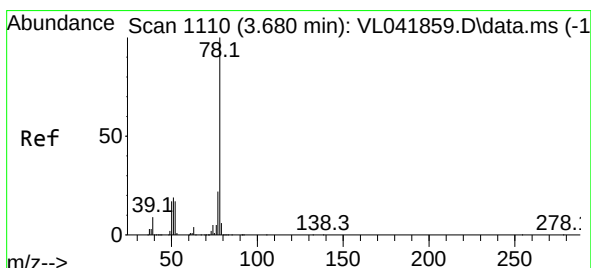
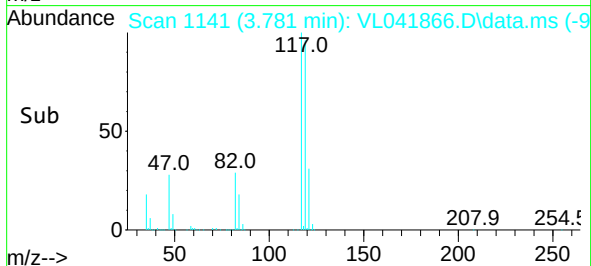
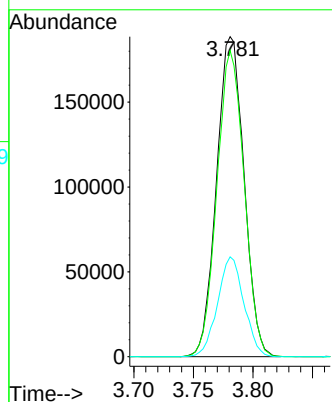
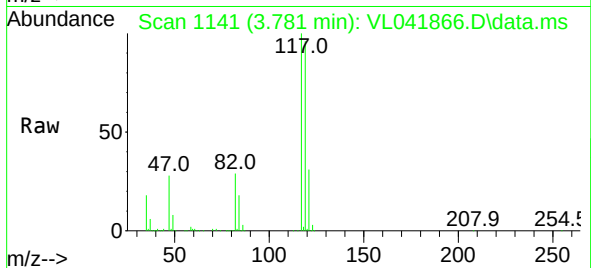
121 31.2 24.2 36.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#36

Benzene

Concen: 9.689 ppbv

RT: 3.674 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

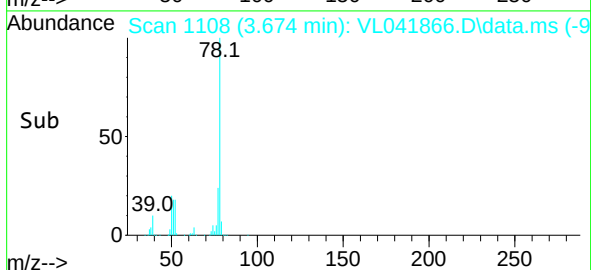
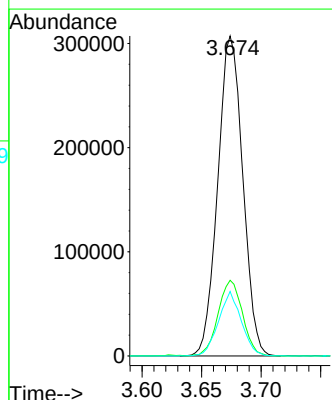
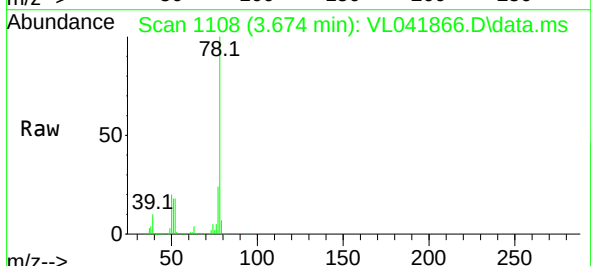
Tgt Ion: 78 Resp: 448544

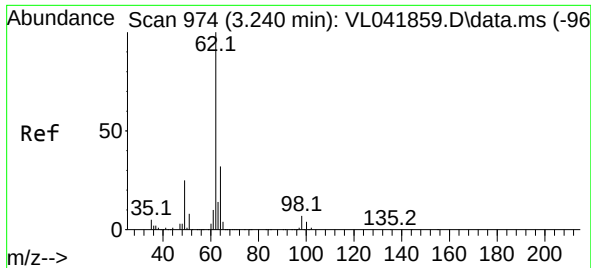
Ion Ratio Lower Upper

78 100

77 23.6 17.4 26.0

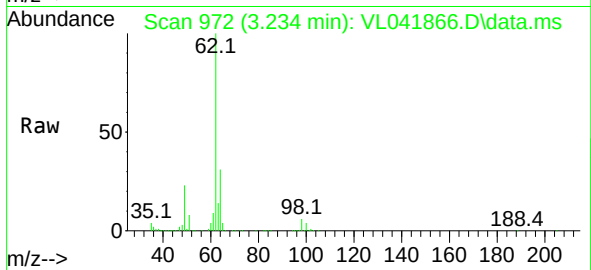
50 20.1 17.3 25.9





#37
1,2-Dichloroethane
Concen: 9.621 ppbv
RT: 3.234 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

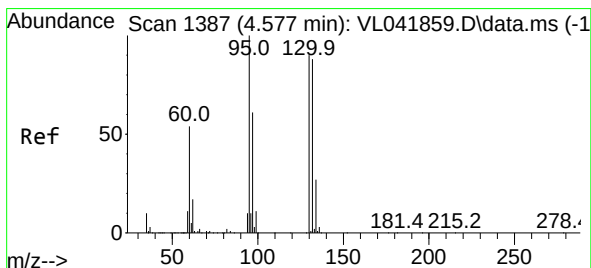
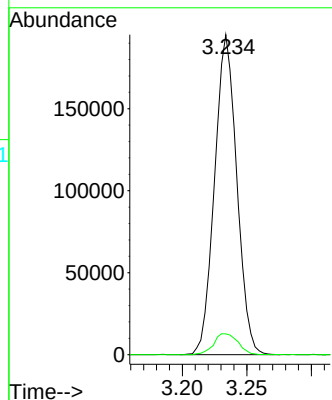
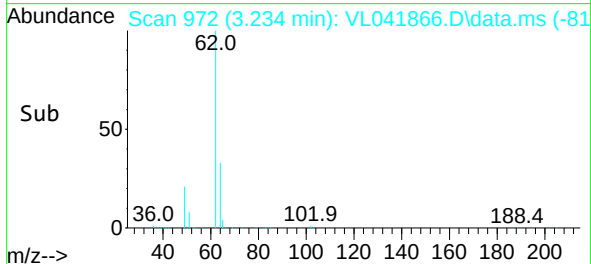
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



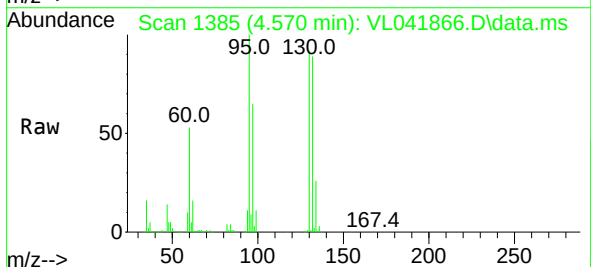
Tgt Ion: 62 Resp: 23366
Ion Ratio Lower Upper
62 100
98 7.2 4.8 7.2

Manual Integrations
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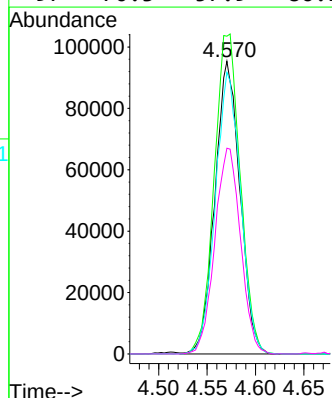
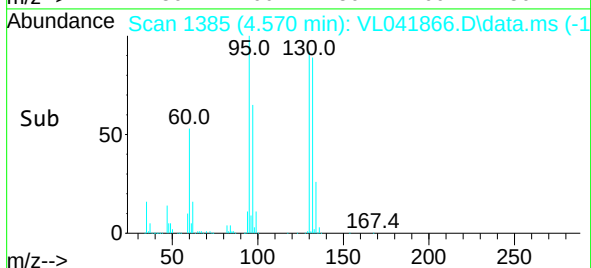
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

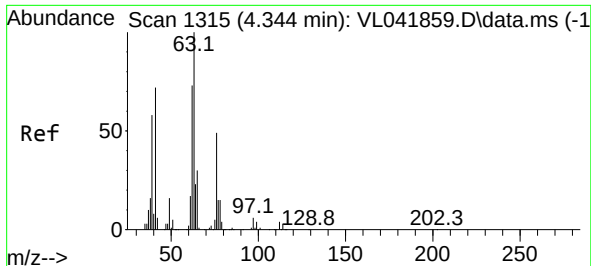


#38
Trichloroethene
Concen: 9.393 ppbv
RT: 4.570 min Scan# 1385
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion:130 Resp: 171695
Ion Ratio Lower Upper
130 100
95 108.6 90.1 135.1
132 96.2 71.8 107.8
97 70.3 57.9 86.9





#39

1,2-Dichloropropane

Concen: 9.560 ppbv

RT: 4.334 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

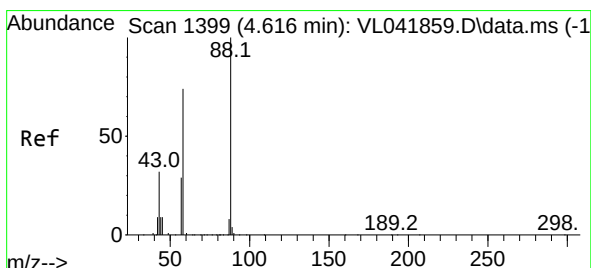
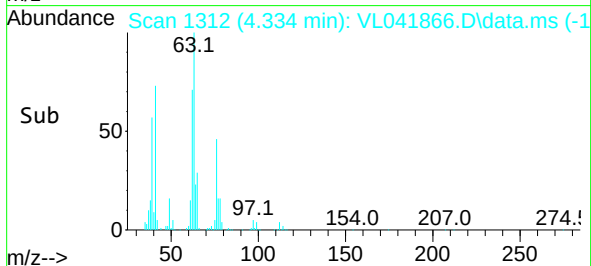
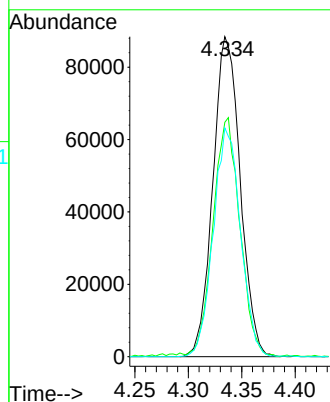
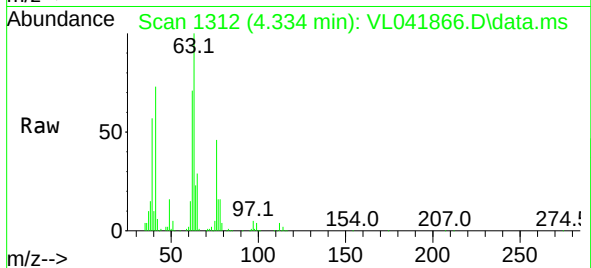
Tgt Ion: 63 Resp: 15743

Ion	Ratio	Lower	Upper
63	100		
41	73.1	77.7	116.5
62	71.4	56.2	84.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 8.937 ppbv

RT: 4.606 min Scan# 1396

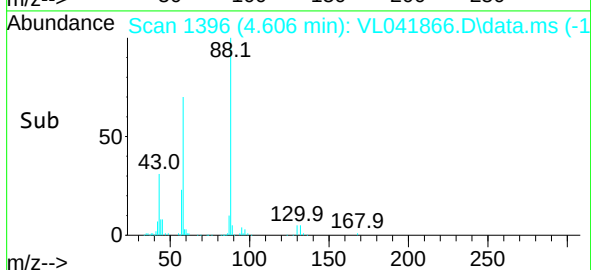
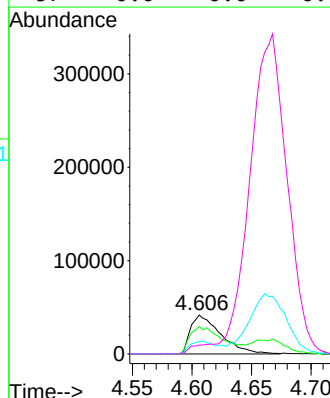
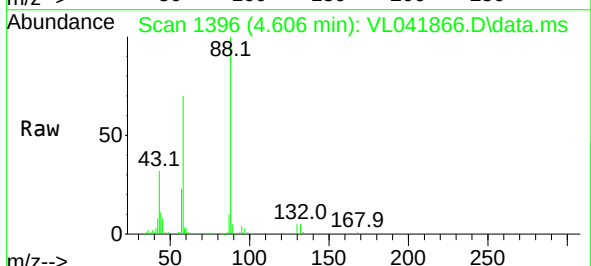
Delta R.T. 0.000 min

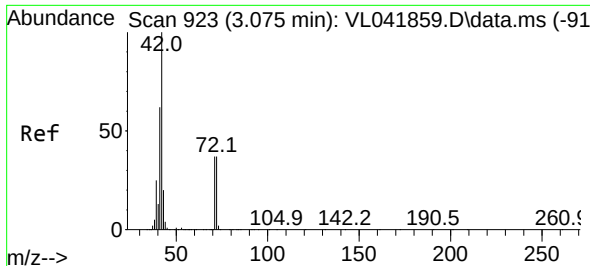
Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Tgt Ion: 88 Resp: 74011

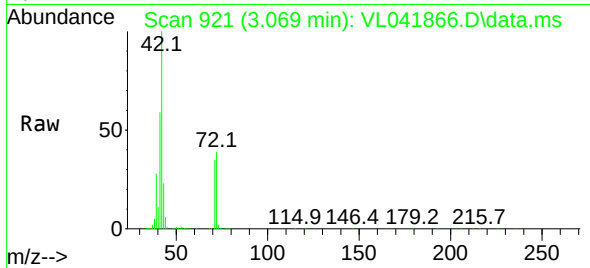
Ion	Ratio	Lower	Upper
88	100		
58	77.8	65.1	97.7
43	0.0	32.1	48.1
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.327 ppbv
RT: 3.069 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

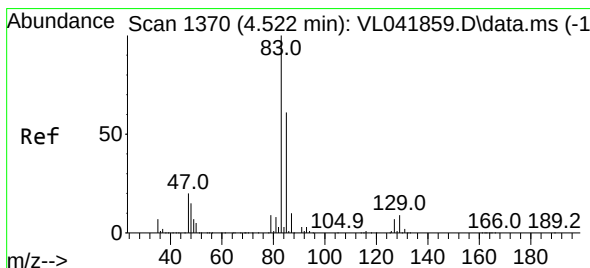
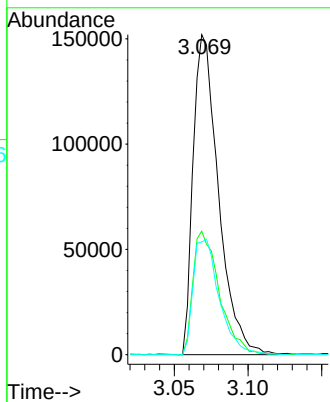
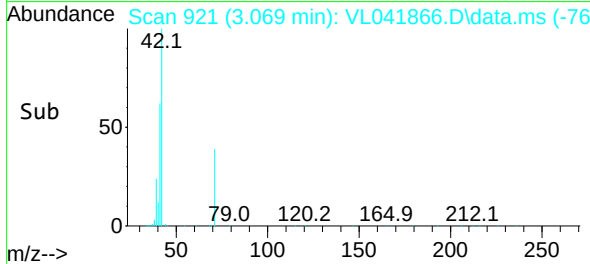
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



Tgt Ion: 42 Resp: 181700
Ion Ratio Lower Upper
42 100
72 40.3 27.9 41.9
71 37.3 26.5 39.7

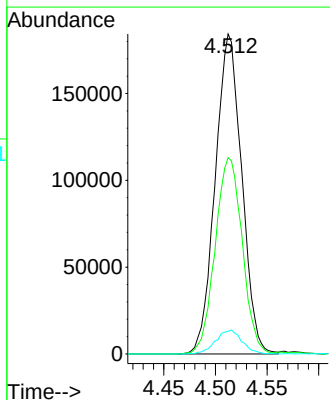
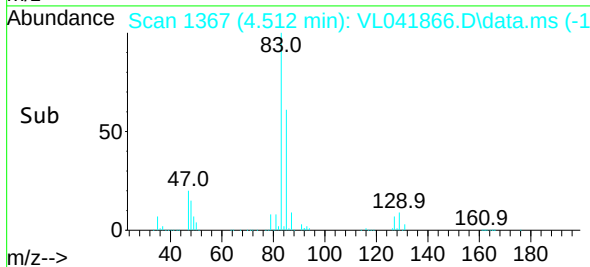
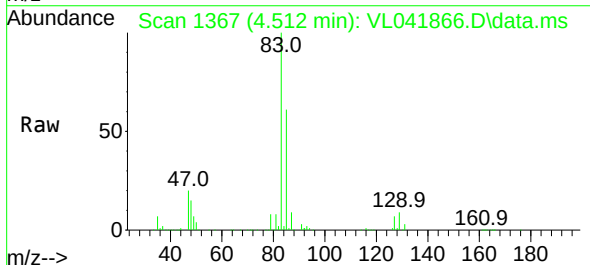
Manual Integrations
APPROVED

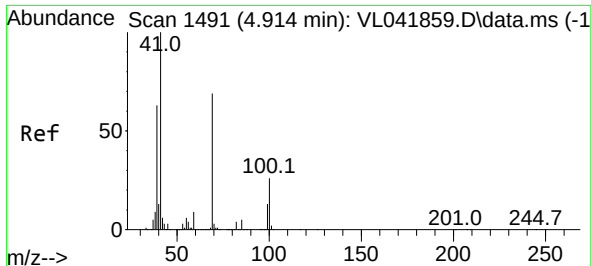
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#42
Bromodichloromethane
Concen: 9.864 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

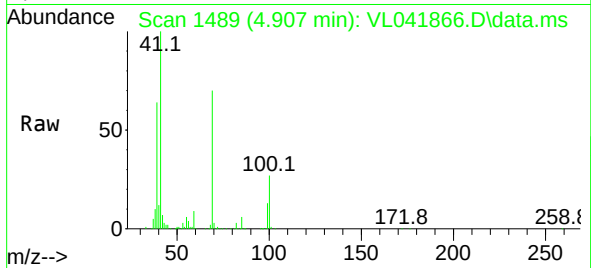
Tgt Ion: 83 Resp: 329142
Ion Ratio Lower Upper
83 100
85 61.3 51.3 76.9
127 7.1 5.6 8.4





#43
Methyl Methacrylate
Concen: 9.474 ppbv
RT: 4.907 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

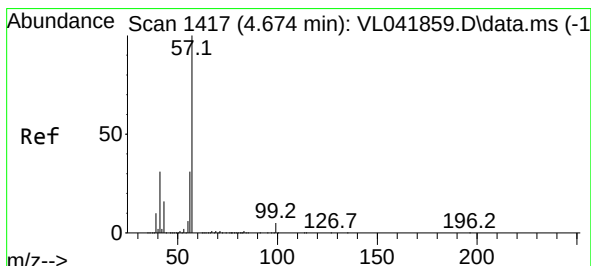
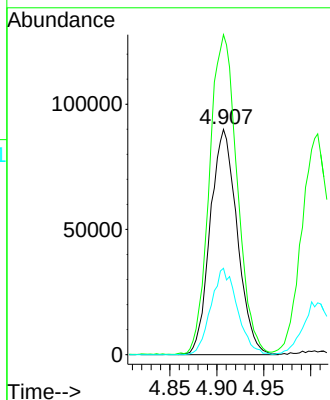
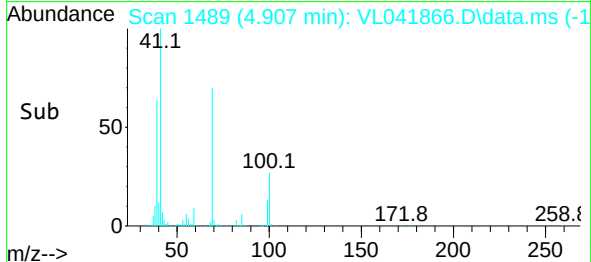
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



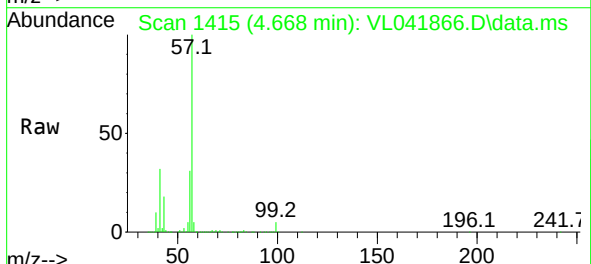
Tgt Ion: 69 Resp: 17960
Ion Ratio Lower Upper
69 100
41 145.9 132.3 198.5
100 37.5 28.2 42.4

Manual Integrations
APPROVED

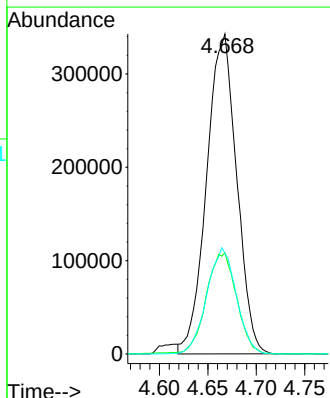
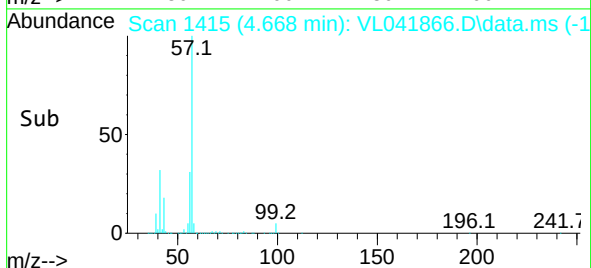
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

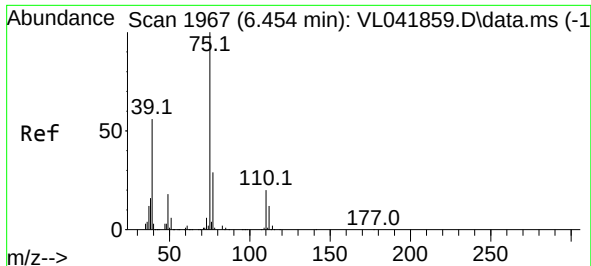


#44
2,2,4-Trimethylpentane
Concen: 9.479 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. 0.007 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion: 57 Resp: 741253
Ion Ratio Lower Upper
57 100
41 32.3 31.4 47.2
56 32.5 26.6 39.8





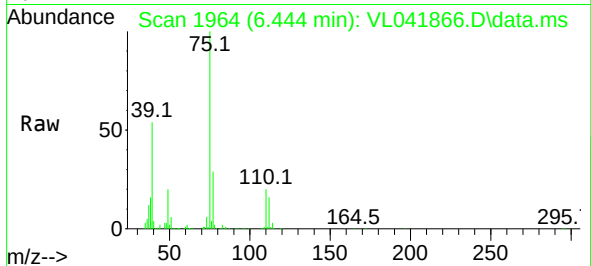
#45
t-1,3-Dichloropropene
Concen: 9.391 ppbv
RT: 6.444 min Scan# 1967
Delta R.T. 0.007 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

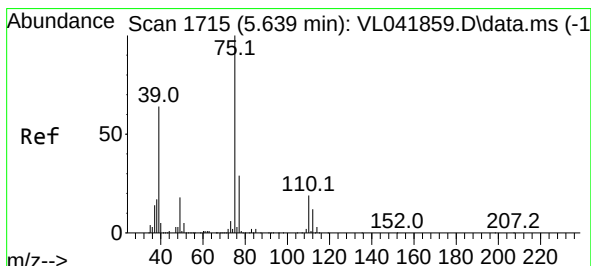
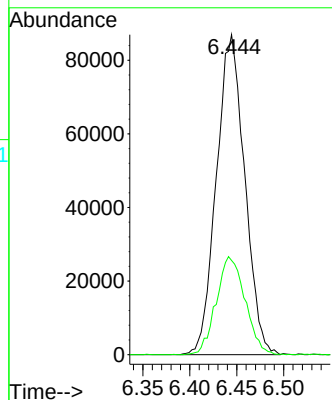
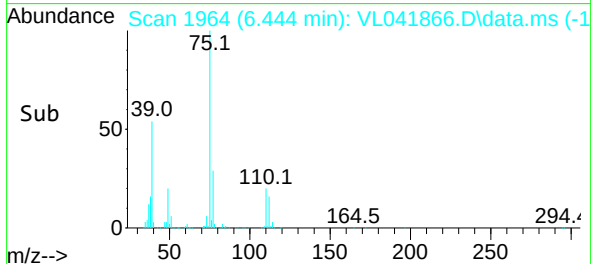


Tgt Ion: 75 Resp: 18220
Ion Ratio Lower Upper
75 100
77 29.4 22.2 33.4

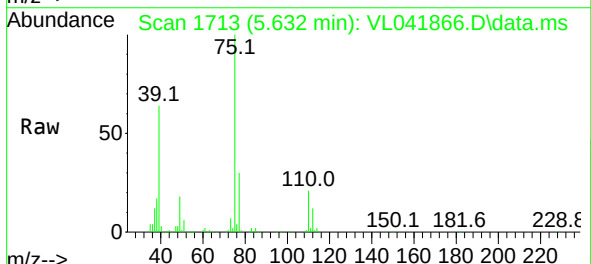
Manual Integrations

APPROVED

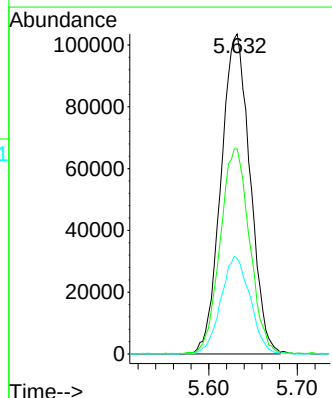
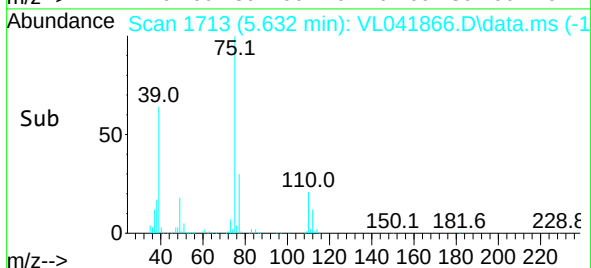
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

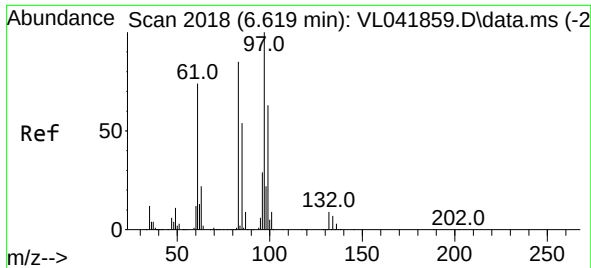


#46
cis-1,3-Dichloropropene
Concen: 9.483 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion: 75 Resp: 236106
Ion Ratio Lower Upper
75 100
39 63.9 63.3 94.9
77 29.9 23.5 35.3





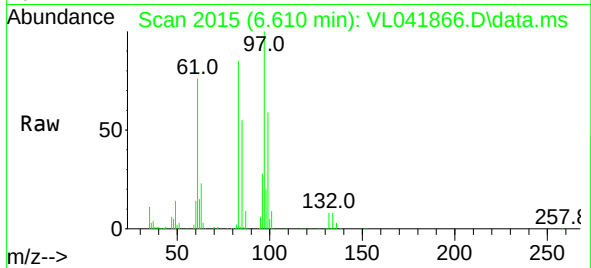
#47
1,1,2-Trichloroethane
Concen: 9.543 ppbv
RT: 6.610 min Scan# 2018
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

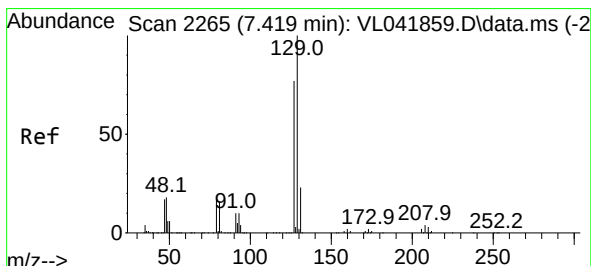
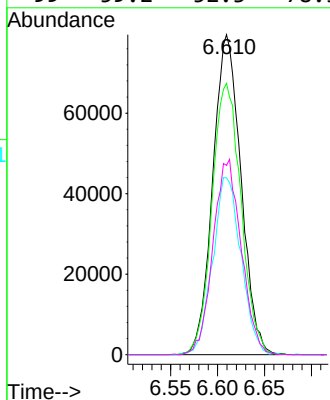
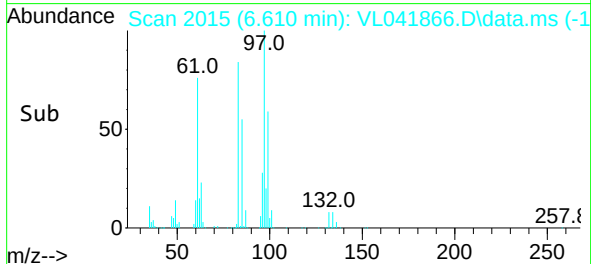


Tgt Ion: 97 Resp: 165338
Ion Ratio Lower Upper
97 100
83 84.7 70.3 105.5
85 55.2 41.5 62.3
99 59.2 52.3 78.5

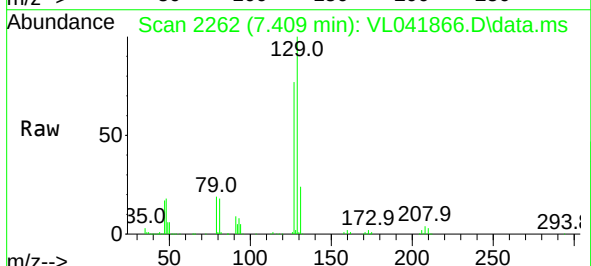
Manual Integrations

APPROVED

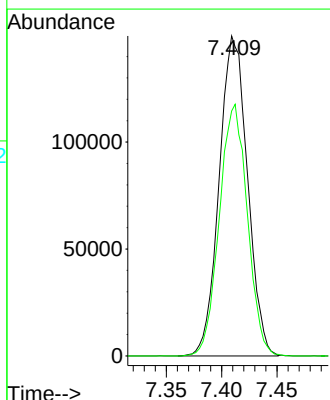
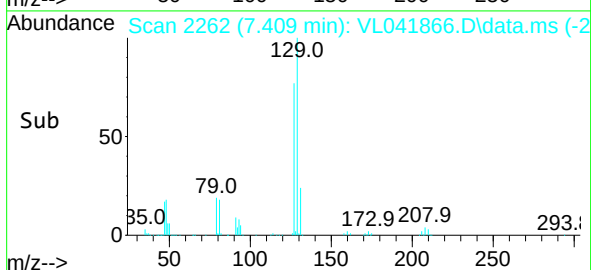
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

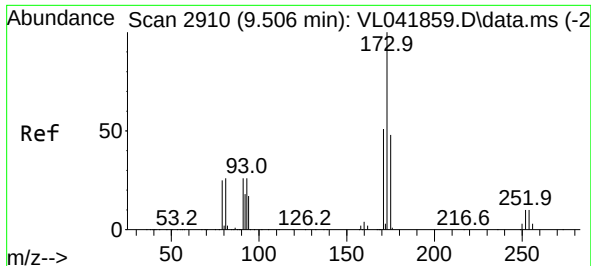


#48
Dibromochloromethane
Concen: 10.137 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion:129 Resp: 266338
Ion Ratio Lower Upper
129 100
127 77.9 38.7 116.1





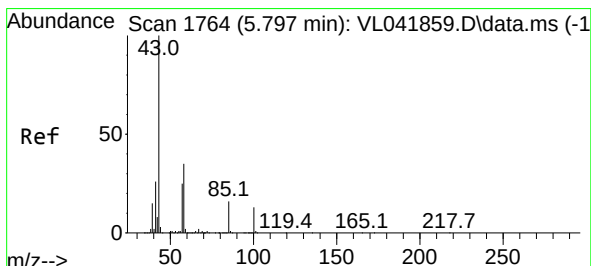
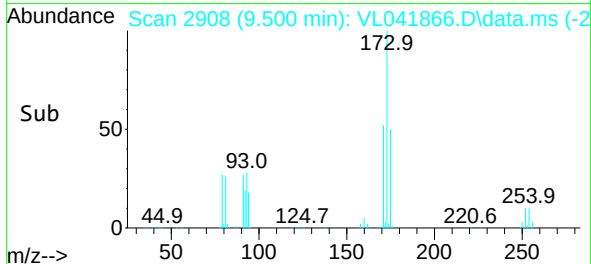
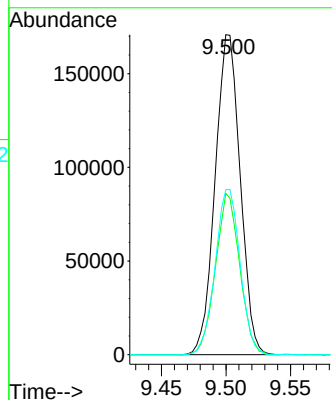
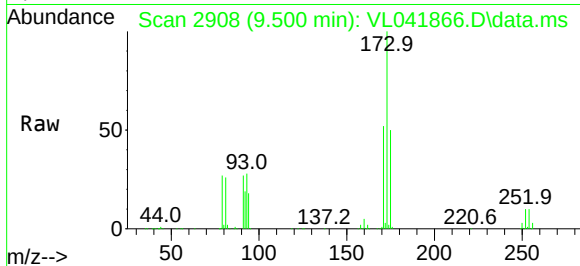
#49
Bromoform
Concen: 10.047 ppbv
RT: 9.500 min Scan# 2910
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

Tgt Ion:173 Resp: 230370
Ion Ratio Lower Upper
173 100
175 48.7 39.5 59.3
171 51.6 41.5 62.3

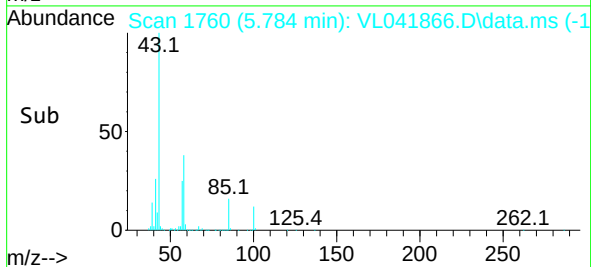
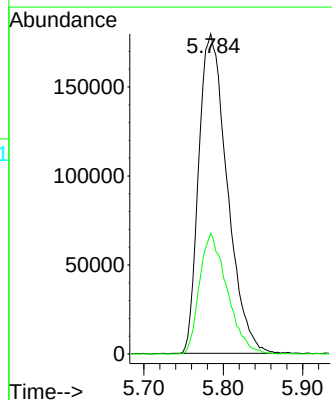
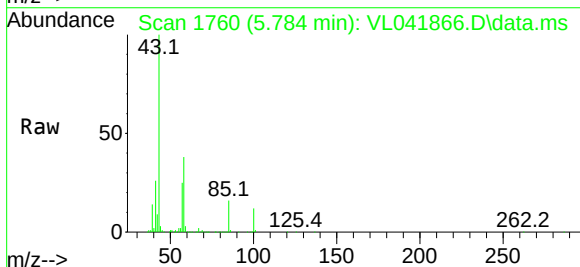
Manual Integrations
APPROVED

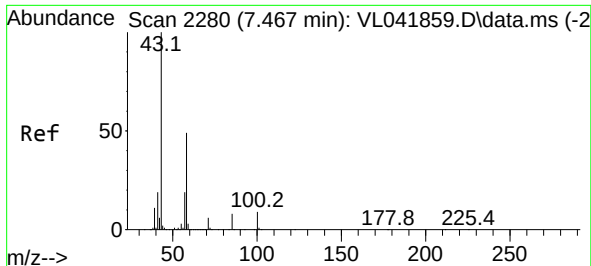
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#50
4-Methyl-2-Pentanone
Concen: 9.458 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

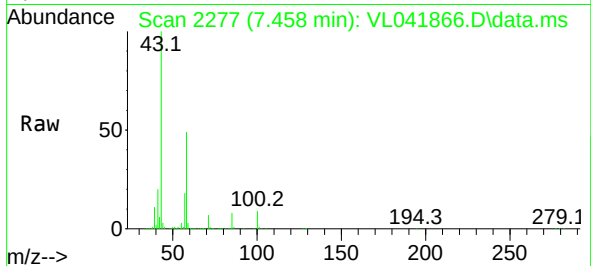
Tgt Ion: 43 Resp: 447733
Ion Ratio Lower Upper
43 100
58 36.6 25.7 38.5





#51
2-Hexanone
Concen: 9.341 ppbv
RT: 7.458 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

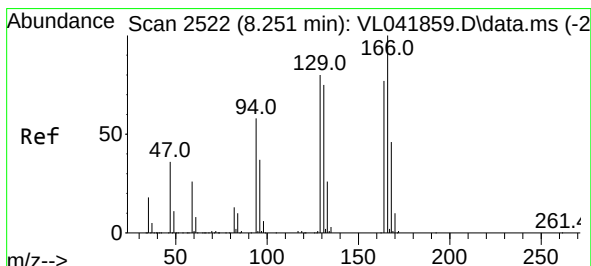
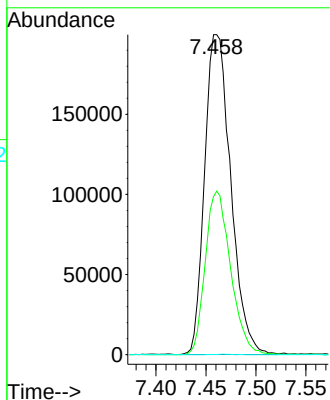
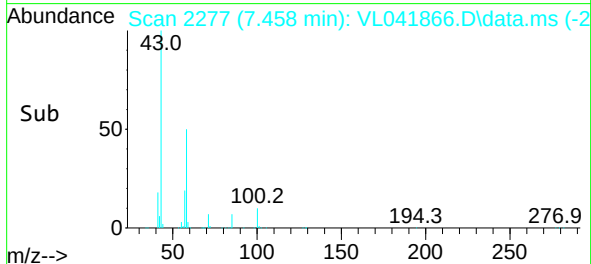
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



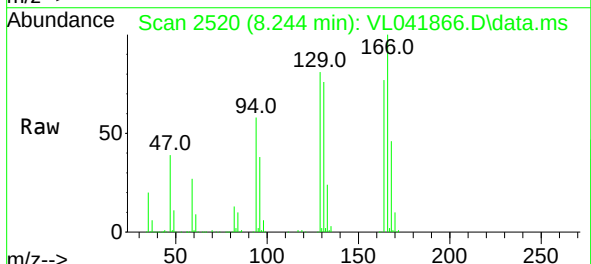
Tgt Ion: 43 Resp: 363718
Ion Ratio Lower Upper
43 100
58 49.7 33.8 50.8
98 0.1 0.7 1.1

Manual Integrations
APPROVED

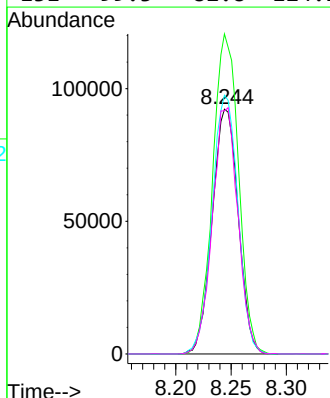
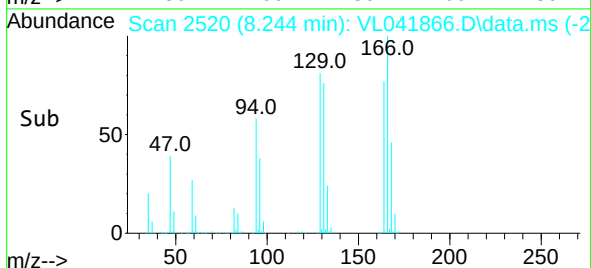
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

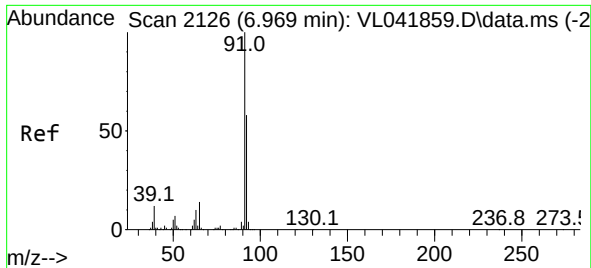


#52
Tetrachloroethene
Concen: 8.536 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion:164 Resp: 151399
Ion Ratio Lower Upper
164 100
166 130.7 100.4 150.6
129 105.7 85.9 128.9
131 99.3 82.8 124.2





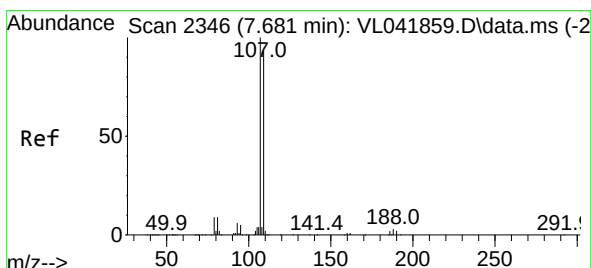
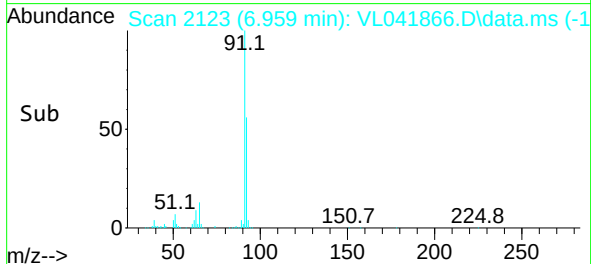
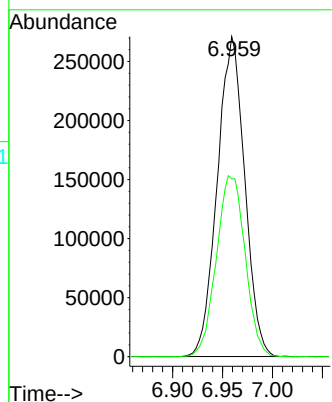
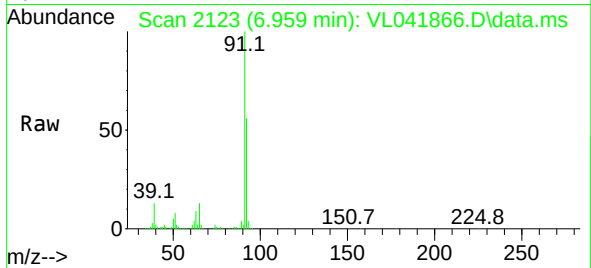
#53
Toluene
Concen: 9.395 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL010925

Tgt Ion: 91 Resp: 517284
Ion Ratio Lower Upper
91 100
92 59.4 47.8 71.6

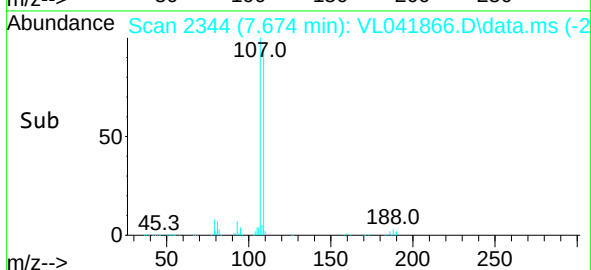
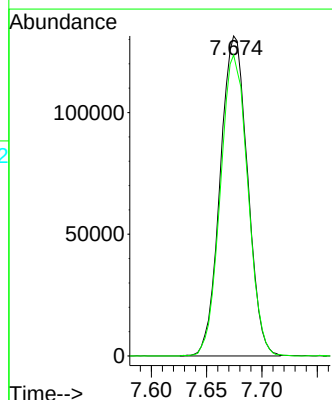
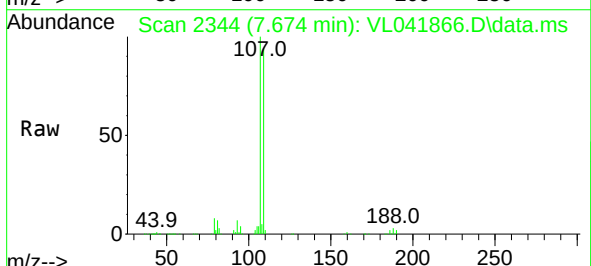
Manual Integrations
APPROVED

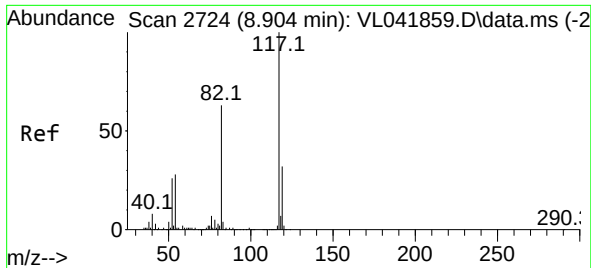
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#54
1,2-Dibromoethane
Concen: 9.598 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion:107 Resp: 226153
Ion Ratio Lower Upper
107 100
109 94.1 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2724

Delta R.T. 0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

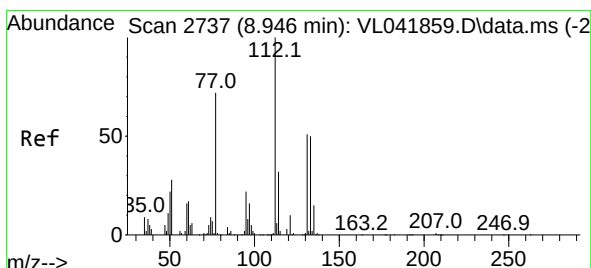
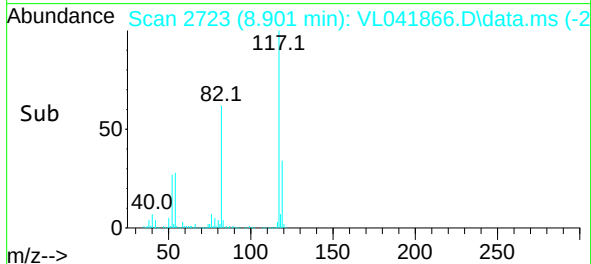
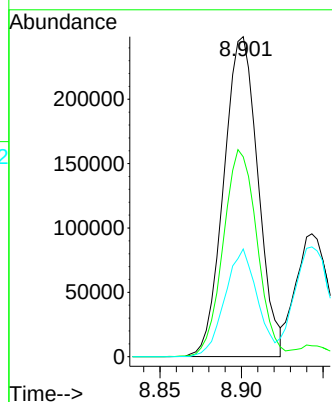
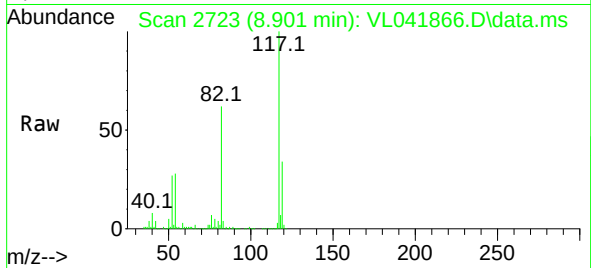
Tgt Ion:117 Resp: 363459

Ion	Ratio	Lower	Upper
117	100		
82	67.3	59.1	88.7
119	31.8	27.3	40.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 9.669 ppbv

RT: 8.943 min Scan# 2736

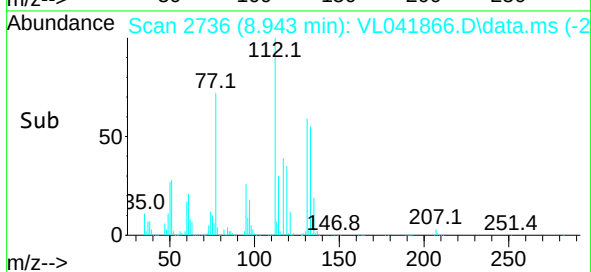
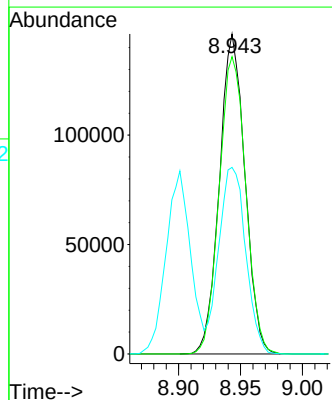
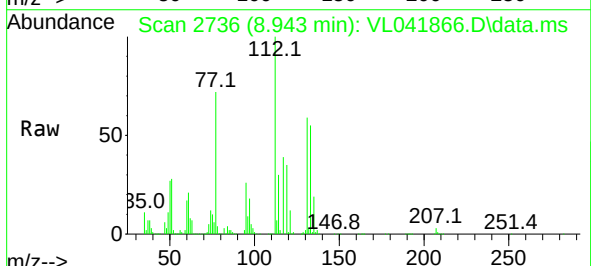
Delta R.T. 0.003 min

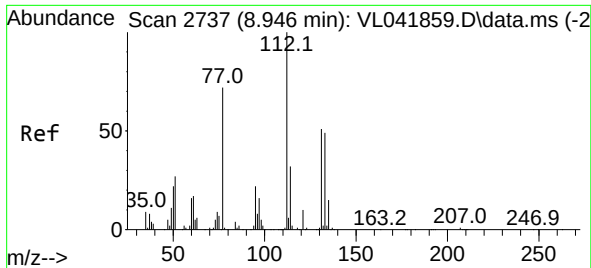
Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Tgt Ion:131 Resp: 209474

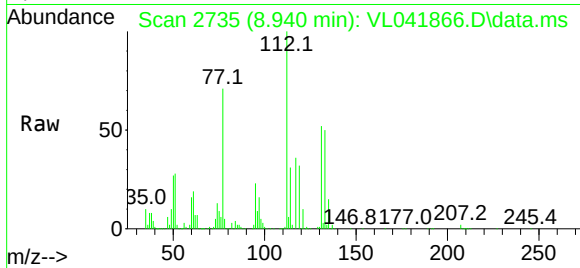
Ion	Ratio	Lower	Upper
131	100		
133	96.8	77.3	115.9
119	62.9	50.6	76.0





#57
Chlorobenzene
Concen: 9.470 ppbv
RT: 8.940 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

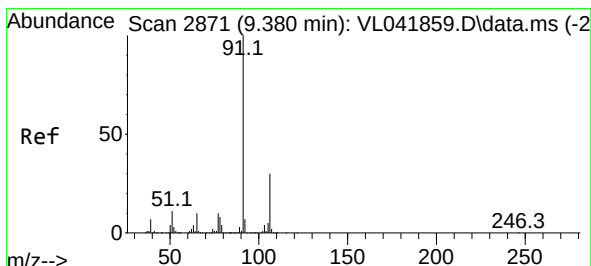
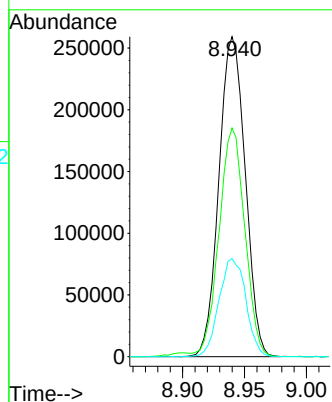
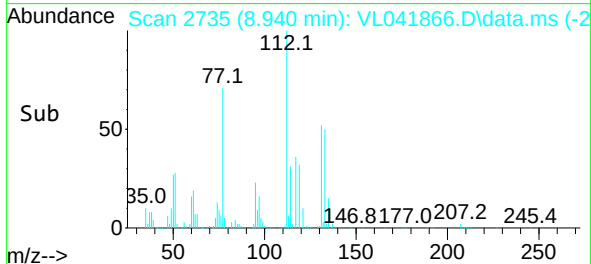
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



Tgt Ion:112 Resp: 383752
Ion Ratio Lower Upper
112 100
77 71.4 55.1 82.7
114 30.6 28.3 34.5

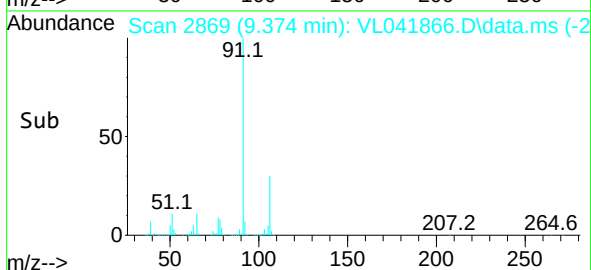
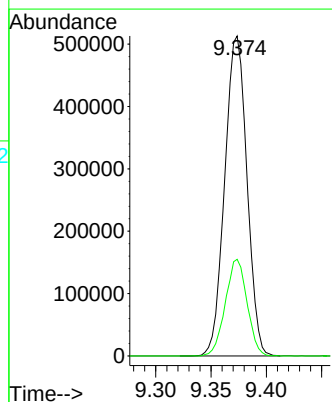
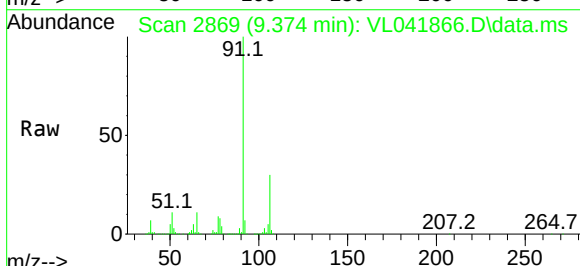
Manual Integrations
APPROVED

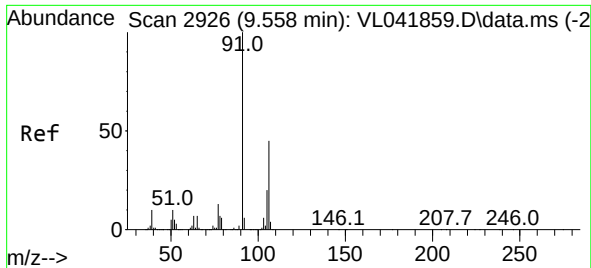
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 9.595 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 91 Resp: 717041
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8





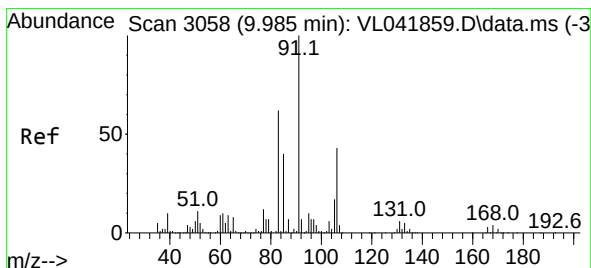
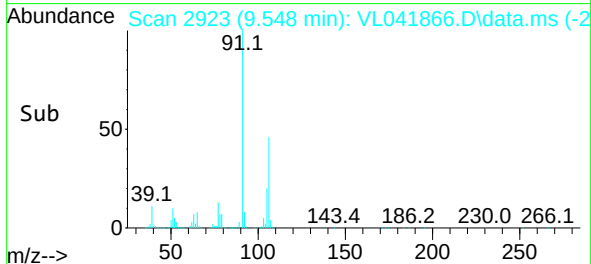
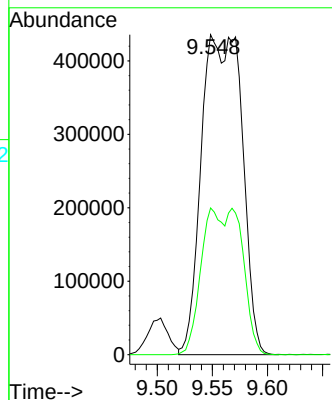
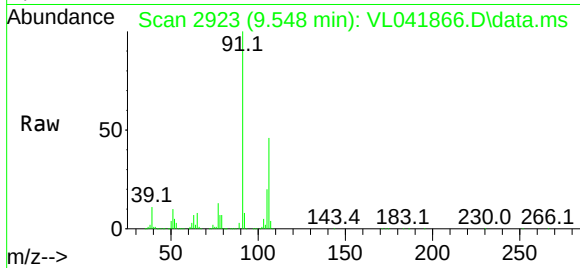
#59
m/p-Xylene
Concen: 18.915 ppbv m
RT: 9.548 min Scan# 2926
Delta R.T. -0.016 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL010925

Tgt Ion: 91 Resp: 111712
Ion Ratio Lower Upper
91 100
106 0.0 36.8 55.2

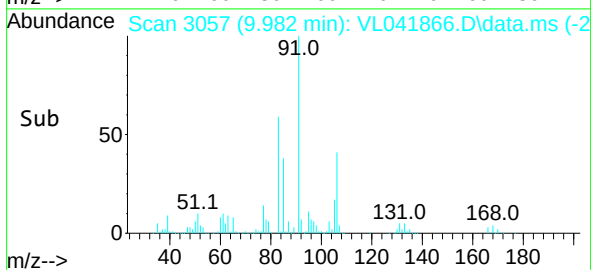
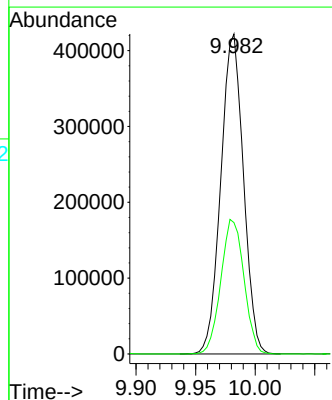
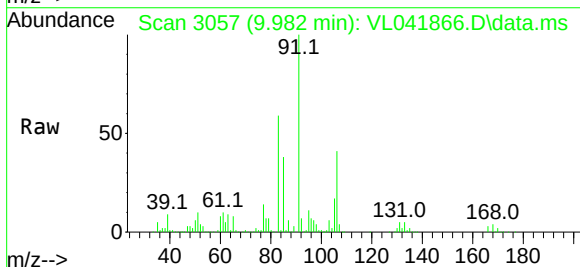
Manual Integrations
APPROVED

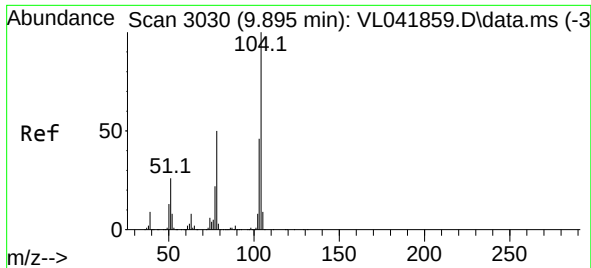
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 9.433 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

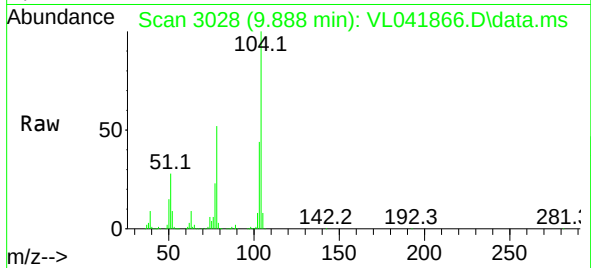
Tgt Ion: 91 Resp: 555689
Ion Ratio Lower Upper
91 100
106 43.0 21.9 65.5





#61
Styrene
Concen: 9.385 ppbv
RT: 9.888 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

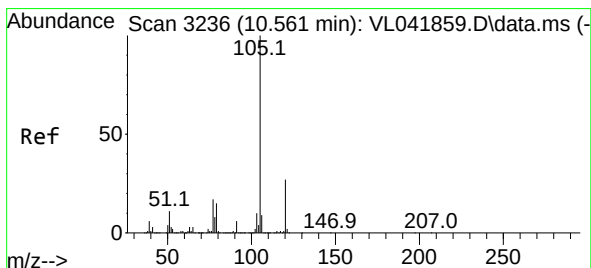
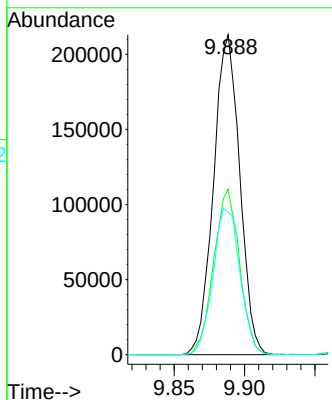
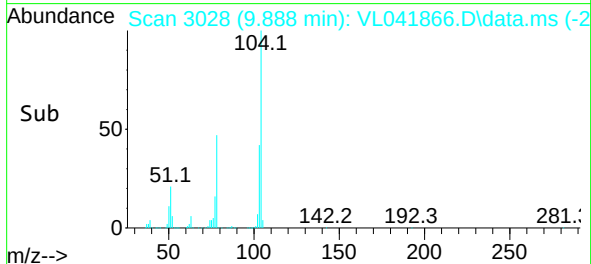
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



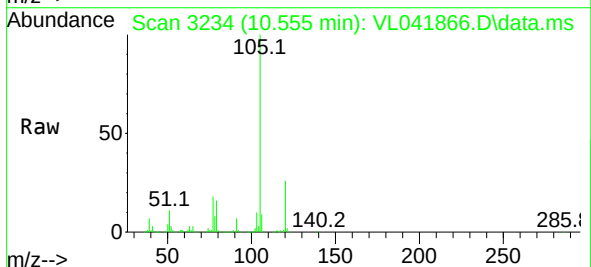
Tgt Ion:104 Resp: 276063
Ion Ratio Lower Upper
104 100
78 51.0 42.8 64.2
103 47.3 37.8 56.6

Manual Integrations
APPROVED

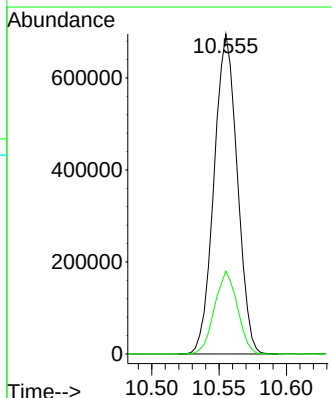
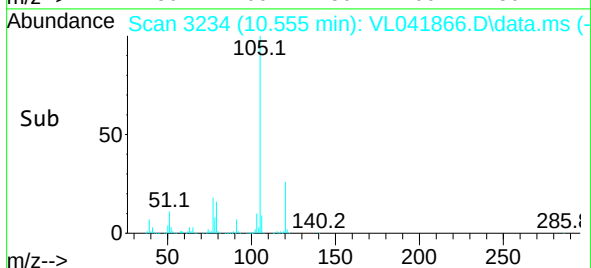
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

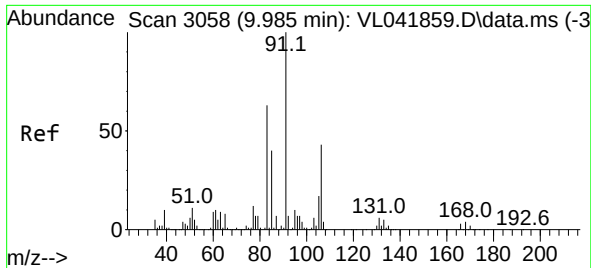


#62
Isopropylbenzene
Concen: 9.415 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



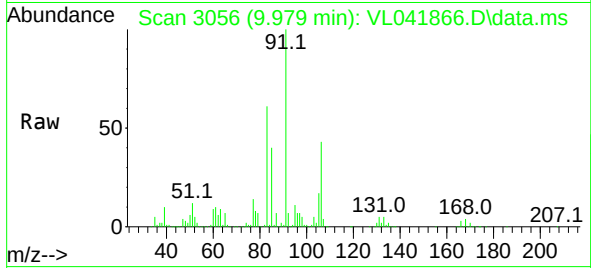
Tgt Ion:105 Resp: 835024
Ion Ratio Lower Upper
105 100
120 25.4 20.4 30.6





#63
1,1,2,2-Tetrachloroethane
Concen: 9.252 ppbv
RT: 9.979 min Scan# 3058
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

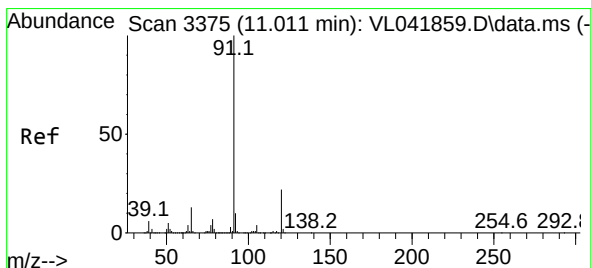
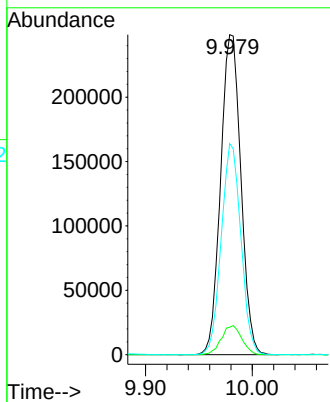
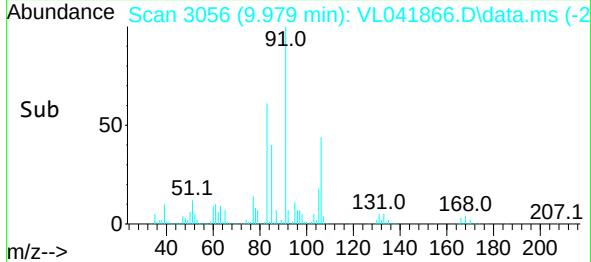
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925



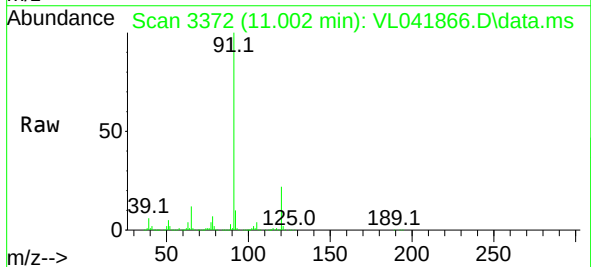
Tgt Ion: 83 Resp: 32734
Ion Ratio Lower Upper
83 100
131 9.2 4.8 14.3
85 64.0 31.9 95.9

Manual Integrations
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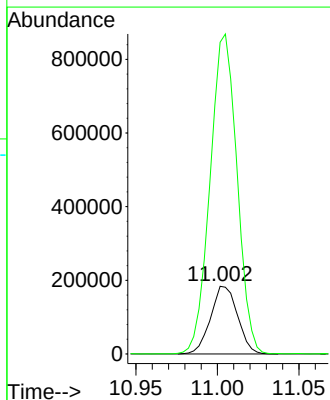
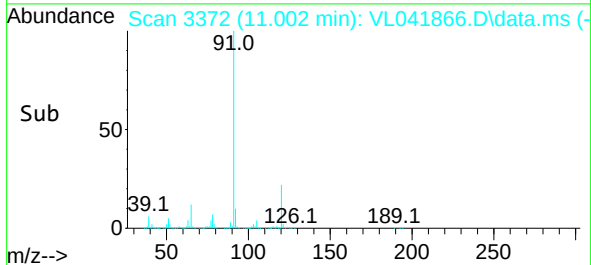
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

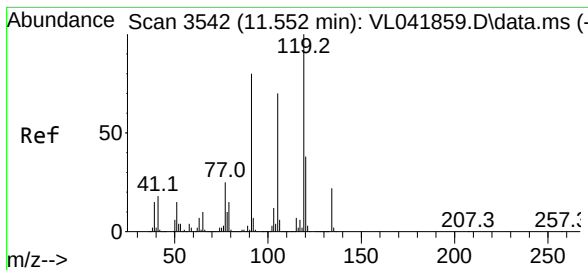


#64
n-propylbenzene
Concen: 9.153 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion:120 Resp: 211515
Ion Ratio Lower Upper
120 100
91 473.2 382.1 573.1





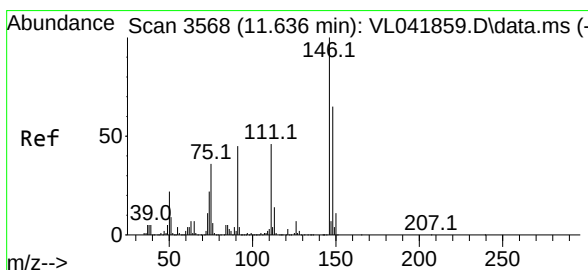
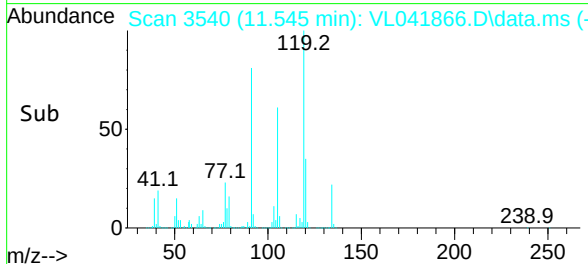
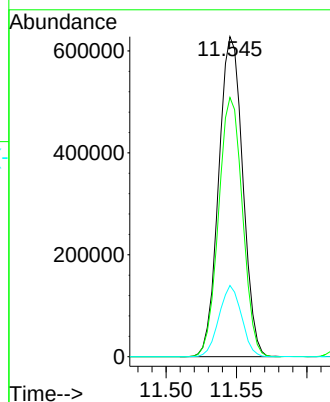
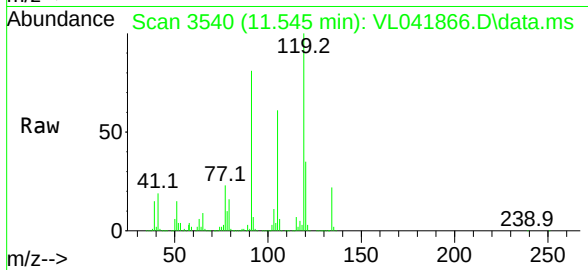
#65
tert-Butylbenzene
Concen: 9.315 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL010925

Tgt Ion: 119 Resp: 747690
Ion Ratio Lower Upper
119 100
91 80.5 68.0 102.0
134 20.9 16.2 24.4

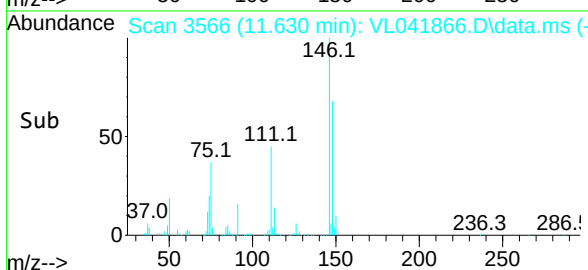
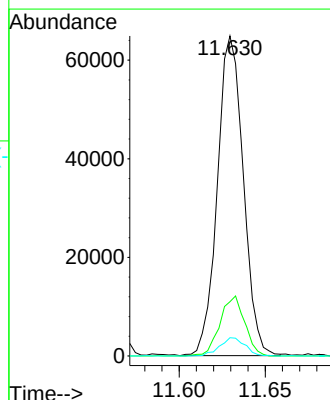
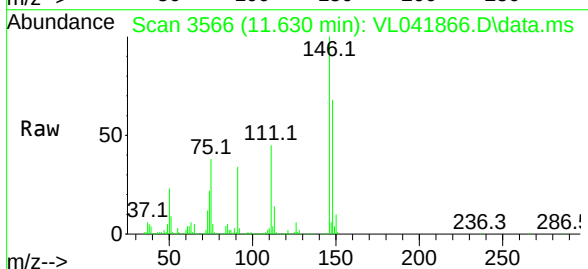
Manual Integrations
APPROVED

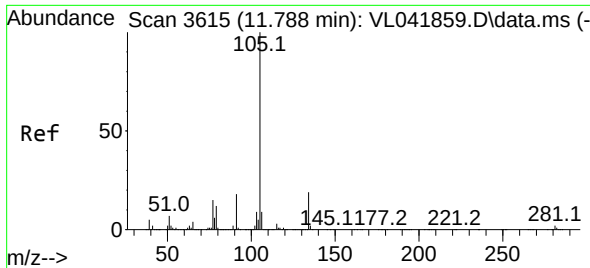
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#66
Benzyl Chloride
Concen: 8.187 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

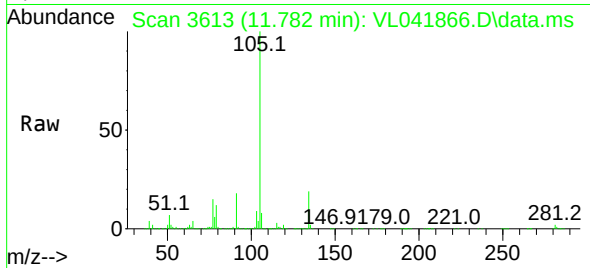
Tgt Ion: 91 Resp: 68070
Ion Ratio Lower Upper
91 100
126 17.8 12.1 18.1
128 5.6 4.3 6.5





#67
 sec-Butylbenzene
 Concen: 9.228 ppbv
 RT: 11.782 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

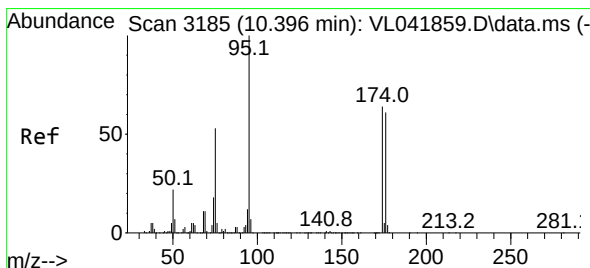
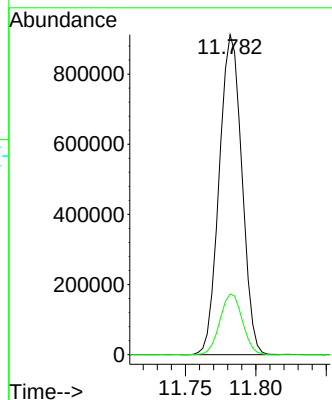
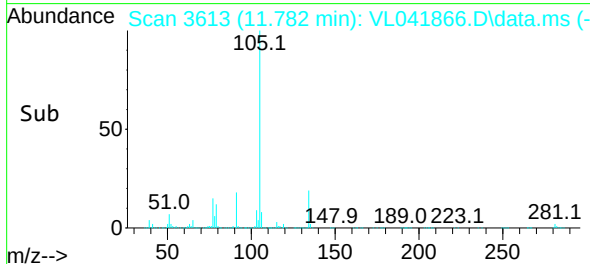
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



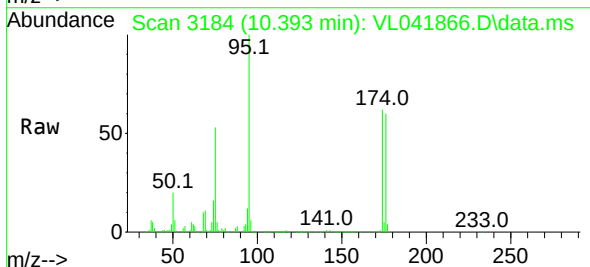
Tgt Ion:105 Resp: 102058
 Ion Ratio Lower Upper
 105 100
 134 18.9 14.6 22.0

Manual Integrations
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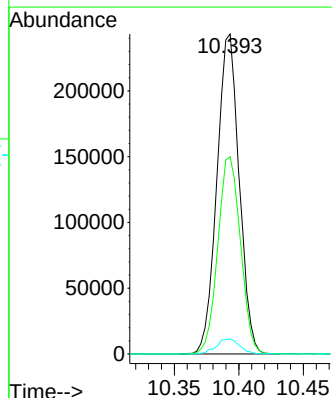
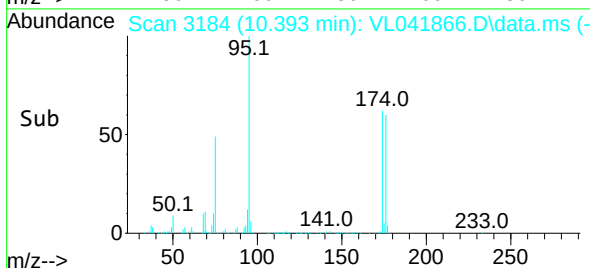
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

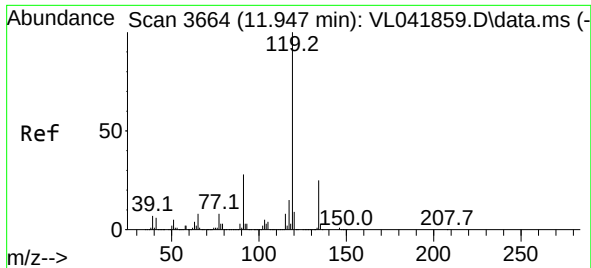


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.001 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. 0.003 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15



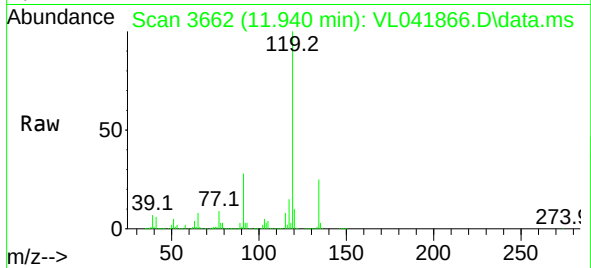
Tgt Ion: 95 Resp: 291470
 Ion Ratio Lower Upper
 95 100
 174 62.7 47.6 71.4
 175 4.9 3.8 5.6





#69
p-Isopropyltoluene
Concen: 9.143 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

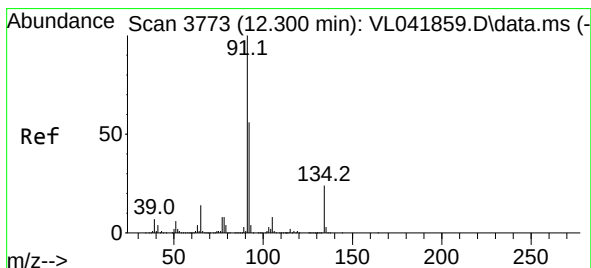
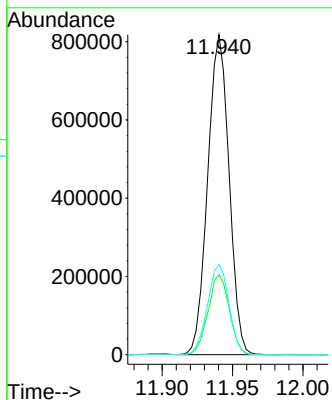
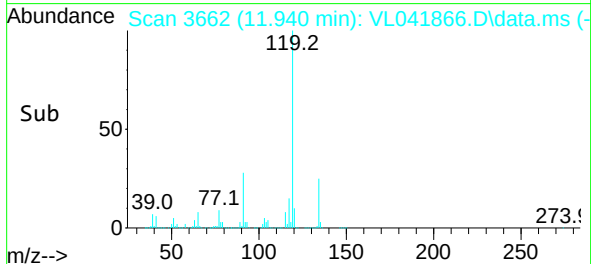
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



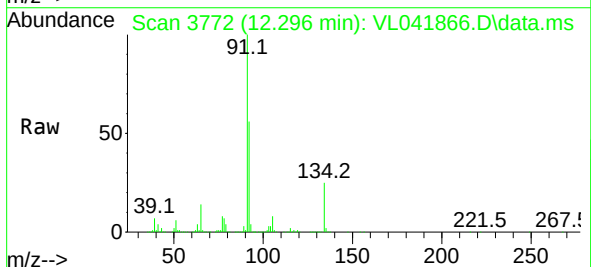
Tgt Ion: 119 Resp: 86284
Ion Ratio Lower Upper
119 100
134 25.0 19.4 29.2
91 28.3 24.0 36.0

Manual Integrations
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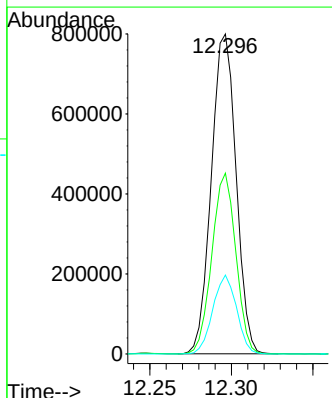
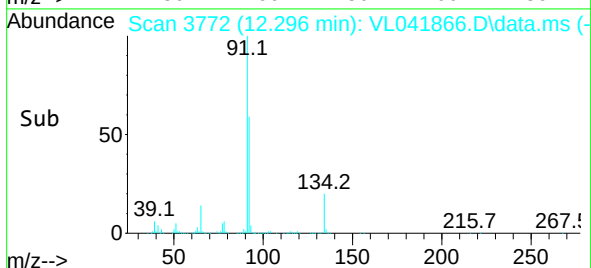
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

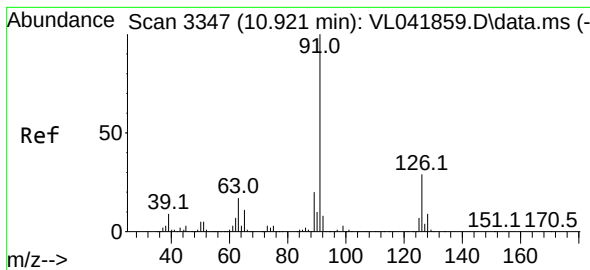


#70
n-Butylbenzene
Concen: 8.907 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



Tgt Ion: 91 Resp: 843727
Ion Ratio Lower Upper
91 100
92 54.9 42.8 64.2
134 23.7 17.8 26.6





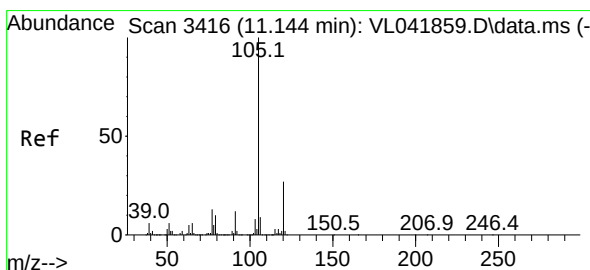
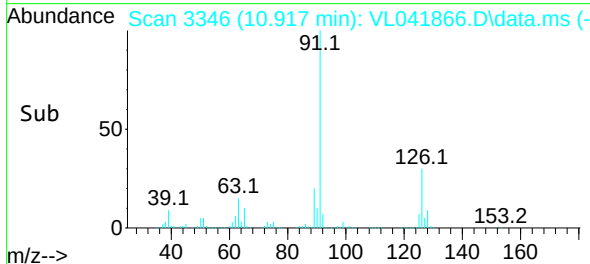
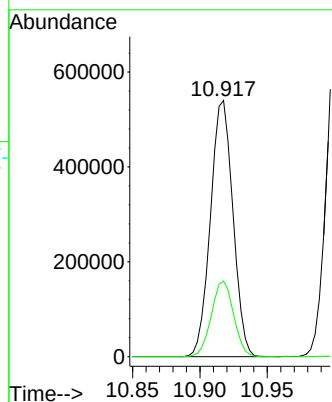
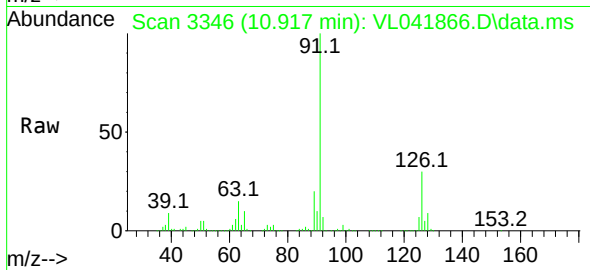
#71
2-Chlorotoluene
Concen: 9.116 ppbv
RT: 10.917 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

Tgt Ion: 91 Resp: 62595
Ion Ratio Lower Upper
91 100
126 29.3 11.6 46.6

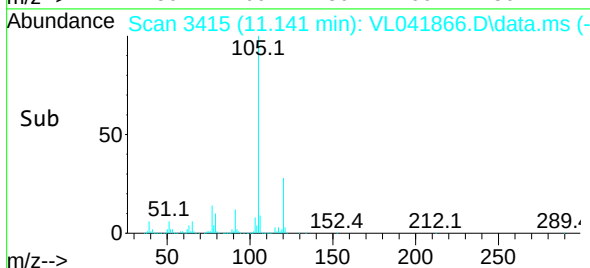
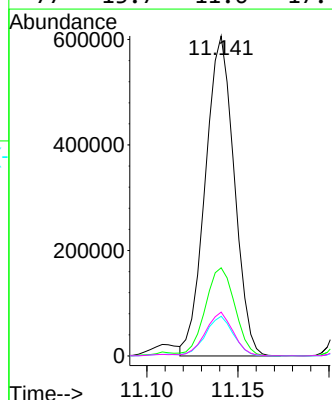
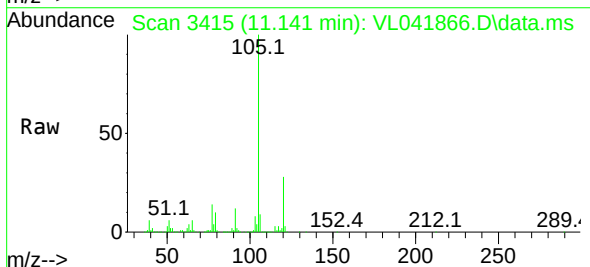
Manual Integrations
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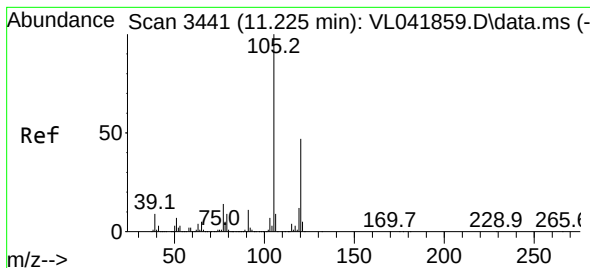
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#72
4-Ethyltoluene
Concen: 9.254 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. 0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion:105 Resp: 668428
Ion Ratio Lower Upper
105 100
120 29.3 23.4 35.2
91 12.6 10.8 16.2
77 13.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.332 ppbv

RT: 11.218 min Scan# 3441

Delta R.T. 0.000 min

Lab File: VL041866.D

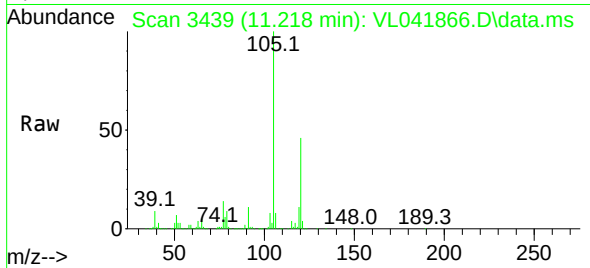
Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925



Tgt Ion:105 Resp: 572229

Ion Ratio Lower Upper

105 100

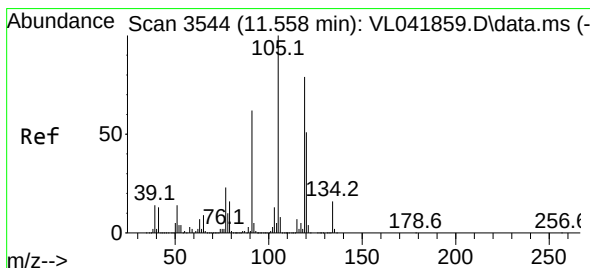
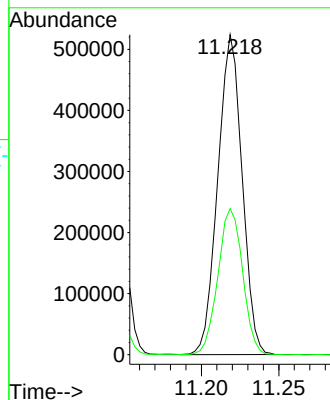
120 45.6 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 9.114 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Tgt Ion:105 Resp: 607041

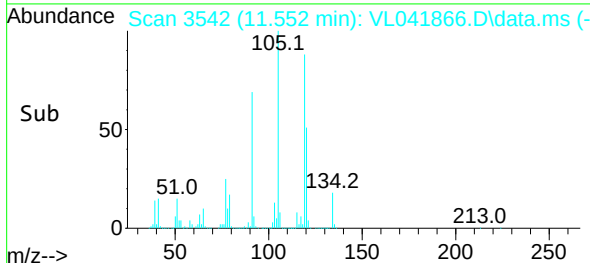
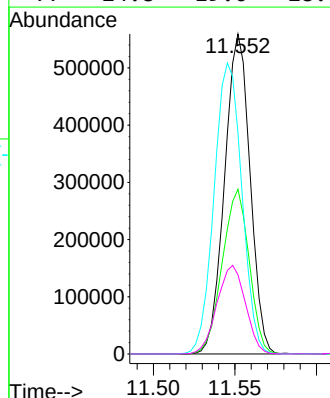
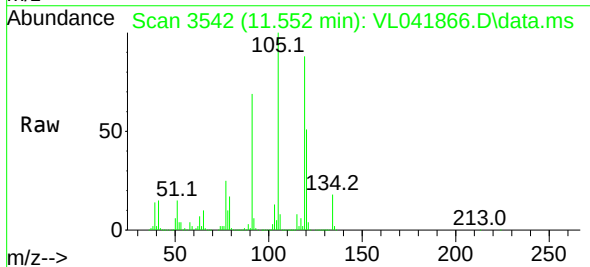
Ion Ratio Lower Upper

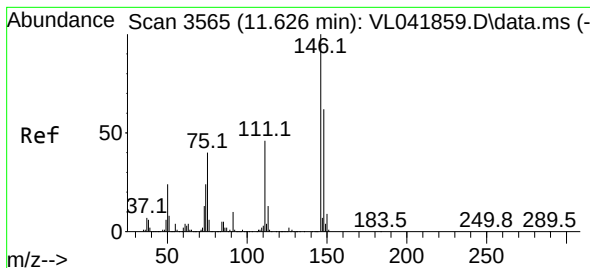
105 100

120 51.4 37.4 56.0

91 69.0 47.4 71.2

77 24.8 19.0 28.6





#75

1,3-Dichlorobenzene

Concen: 8.734 ppbv

RT: 11.623 min Scan# 3565

Delta R.T. 0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

Tgt Ion:146 Resp: 34874

Ion Ratio Lower Upper

146 100

111 46.6 24.1 72.2

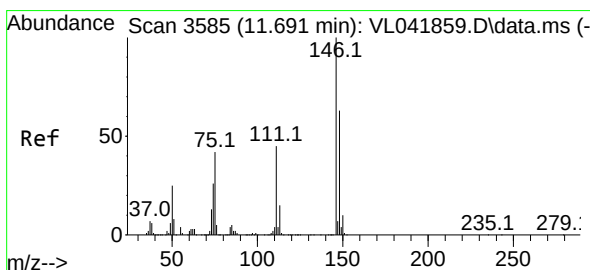
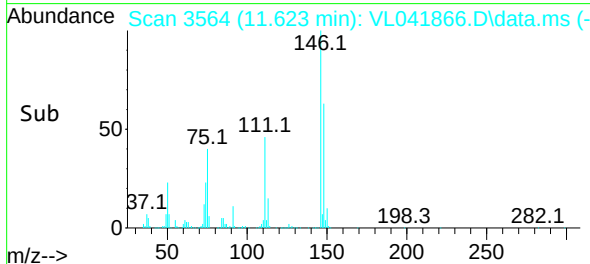
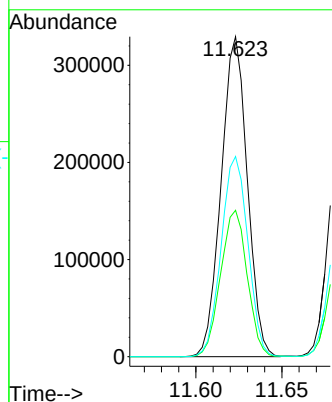
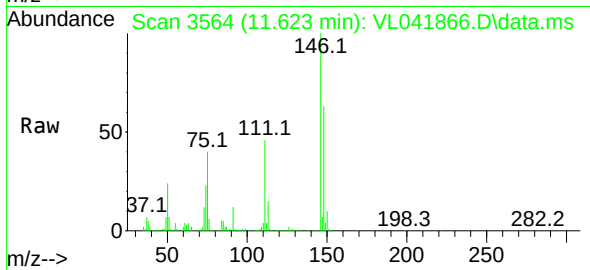
148 63.9 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#76

1,4-Dichlorobenzene

Concen: 8.884 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

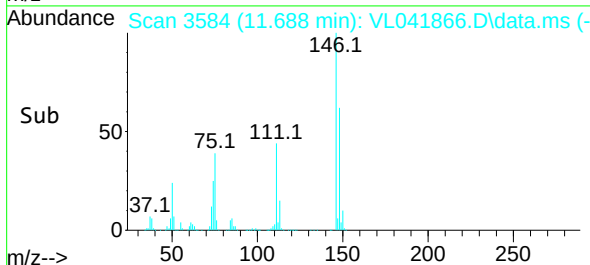
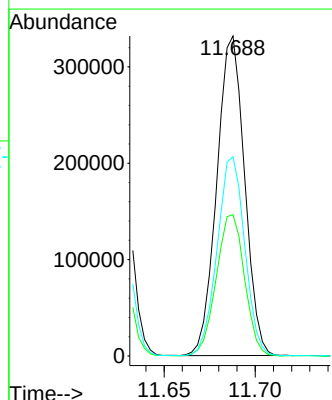
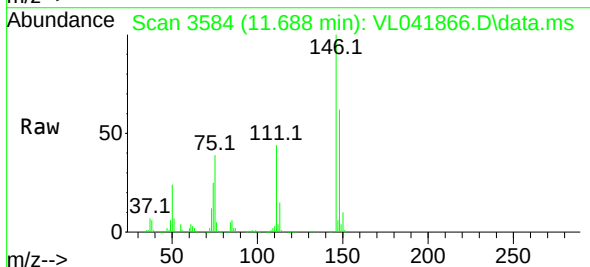
Tgt Ion:146 Resp: 351167

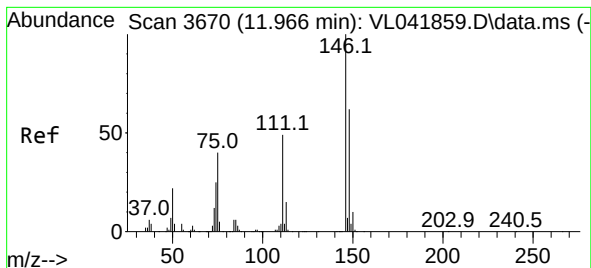
Ion Ratio Lower Upper

146 100

111 45.1 23.2 69.6

148 62.2 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 8.912 ppbv

RT: 11.963 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

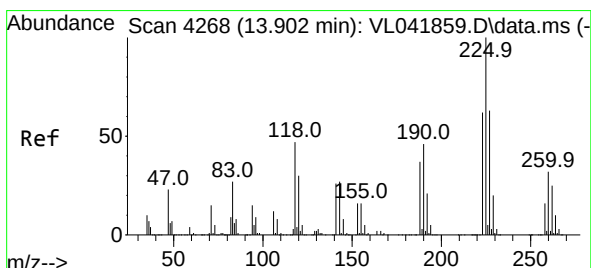
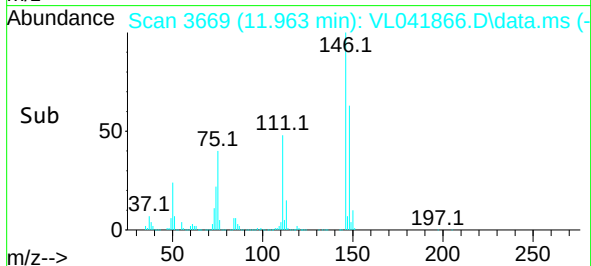
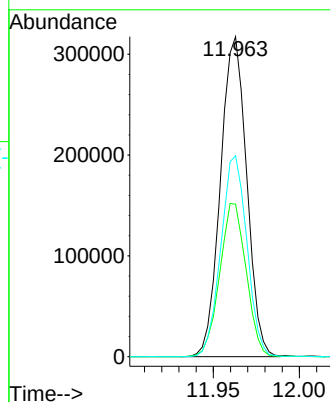
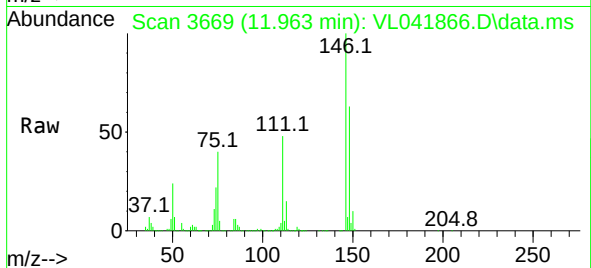
ICVVL010925

Tgt Ion:	146	Resp:	336372
Ion Ratio	Lower	Upper	
146	100		
111	48.4	24.7	74.1
148	62.6	31.5	94.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#78

Hexachloro-1,3-Butadiene

Concen: 7.639 ppbv

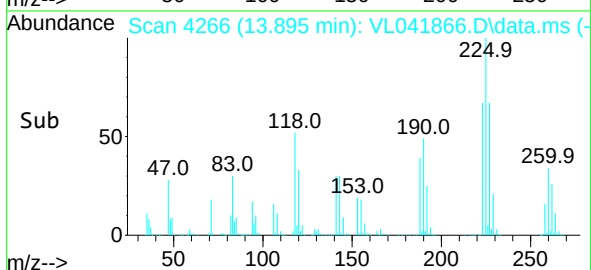
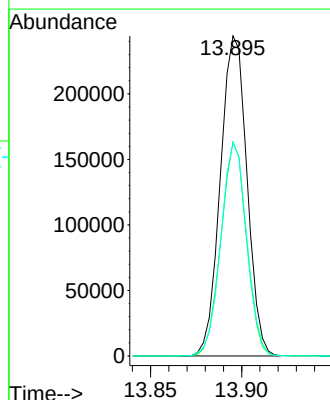
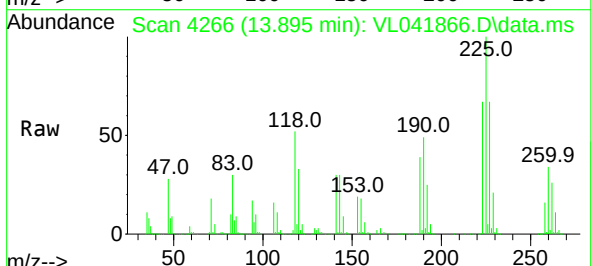
RT: 13.895 min Scan# 4266

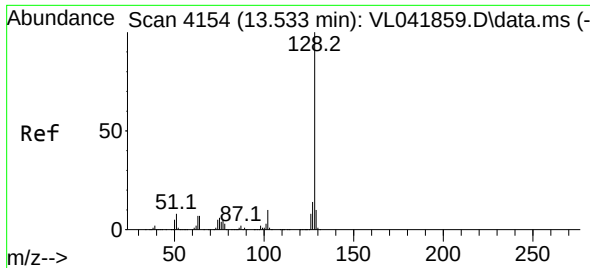
Delta R.T. 0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

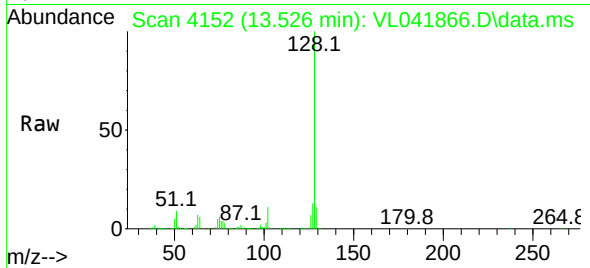
Tgt Ion:	225	Resp:	247845
Ion Ratio	Lower	Upper	
225	100		
223	63.9	50.4	75.6
227	64.8	51.2	76.8





#79
Naphthalene
Concen: 7.583 ppbv
RT: 13.526 min Scan# 4154
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

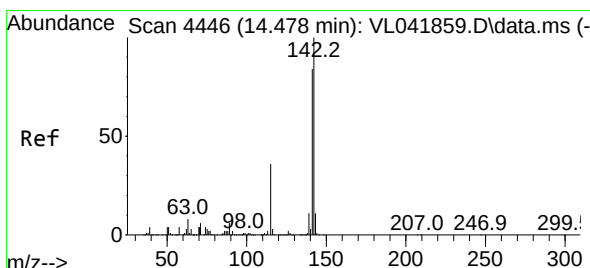
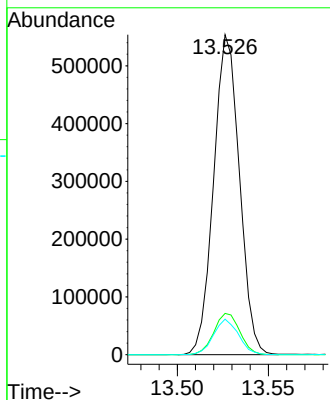
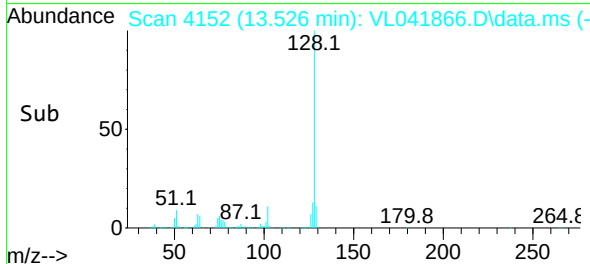
Instrument : MSVOA_L
ClientSampleId : ICVVL010925



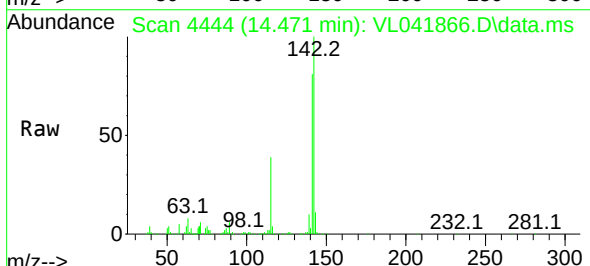
Tgt Ion:128 Resp: 54414
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.1 8.2 12.4

Manual Integrations
APPROVED

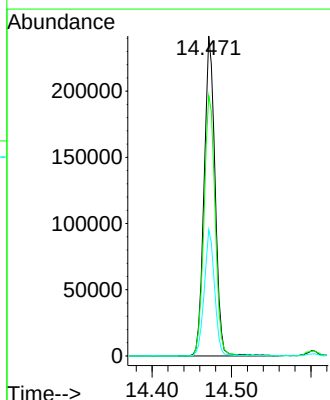
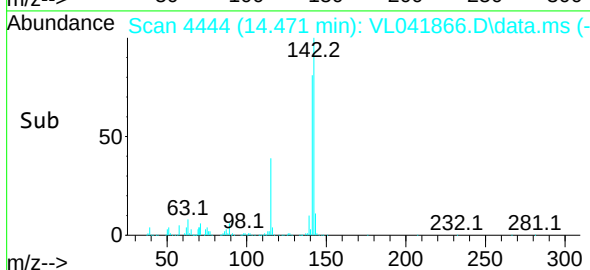
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

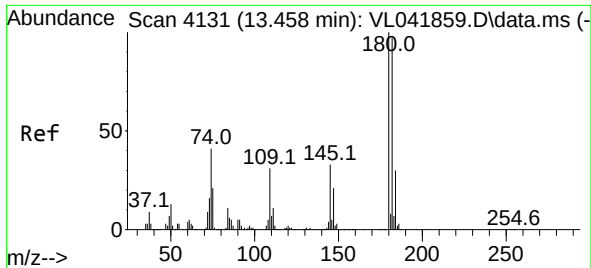


#80
Naphthalene,2-methyl-
Concen: 6.000 ppbv
RT: 14.471 min Scan# 4444
Delta R.T. 0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15



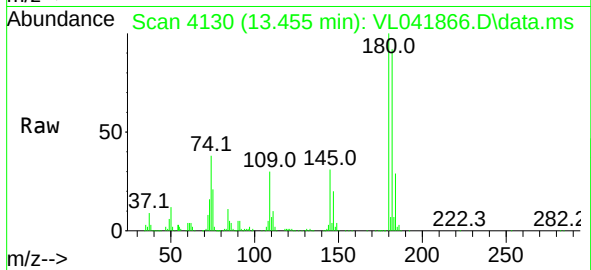
Tgt Ion:142 Resp: 232206
Ion Ratio Lower Upper
142 100
141 83.1 67.8 101.6
115 37.2 32.7 49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.888 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

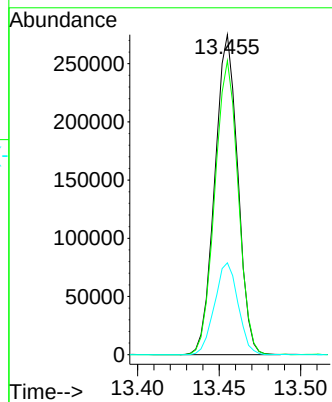
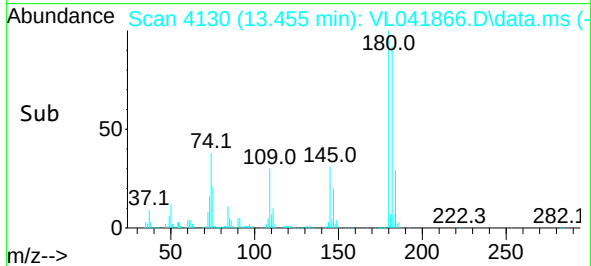
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



Tgt Ion:180 Resp: 26950
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.9 113.9
 184 29.4 24.8 37.2

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041866.D
 Acq On : 09 Jan 2025 15:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL010925

Quant Time: Jan 09 15:38:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 09 15:10:07 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	1.642	1.603	2.4	95	0.00
3	Chlorodifluoromethane	1.803	1.691	6.2	91	0.00
4	Chloromethane	0.638	0.601	5.8	94	0.00
5 T	Vinyl Chloride	0.679	0.598	11.9	92	0.00
6 T	Bromomethane	0.320	0.280	12.5	94	0.00
7	Chloroethane	0.263	0.238	9.5	92	0.00
8 T	Dichlorotetrafluoroethane	1.427	1.361	4.6	93	0.00
9 T	Propene	0.841	0.745	11.4	89	0.00
10 T	Heptane	2.219	2.046	7.8	90	0.00
11 T	Trichlorofluoromethane	1.687	1.615	4.3	97	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.365	1.286	5.8	95	0.00
13	Ethanol	0.053	0.038#	28.3	96	0.00
14 T	Bromoethene	0.489	0.462	5.5	94	0.00
15 T	Acetone	1.687	1.292	23.4	94	0.00
16 T	1,3-Butadiene	0.724	0.627	13.4	97	0.00
17	tert-Butyl alcohol	1.914	1.850	3.3	96	0.00
18 T	1,1-Dichloroethene	0.618	0.592	4.2	97	0.00
19 T	Isopropyl Alcohol	0.886	0.777	12.3	94	0.00
20 T	Methylene Chloride	0.575	0.490	14.8	91	0.00
21 T	Allyl Chloride	1.079	0.984	8.8	93	0.00
22 T	trans-1,2-Dichloroethene	0.715	0.659	7.8	96	0.00
23 T	Vinyl Acetate	0.855	0.804	6.0	88	0.00
24 T	1,1-Dichloroethane	1.355	1.255	7.4	94	0.00
25 T	Ethyl Acetate	4.191	4.030	3.8	91	0.00
26 T	Hexane	1.724	1.602	7.1	90	0.00
27 T	Carbon Disulfide	1.651	1.582	4.2	93	0.00
28 T	Methyl tert-Butyl Ether	1.316	1.130	14.1	88	0.00
29 T	Chloroform	2.412	2.264	6.1	92	0.00
30 T	Cyclohexane	1.481	1.408	4.9	92	0.00
31 T	cis-1,2-Dichloroethene	1.685	1.618	4.0	94	0.00
32 T	1,1,1-Trichloroethane	2.396	2.313	3.5	94	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
34 T	2-Butanone	0.831	0.766	7.8	92	0.00
35 T	Carbon Tetrachloride	0.777	0.757	2.6	93	0.00
36 T	Benzene	1.160	1.124	3.1	92	0.00
37 T	1,2-Dichloroethane	0.609	0.586	3.8	93	0.00
38 T	Trichloroethene	0.458	0.430	6.1	91	0.00
39 T	1,2-Dichloropropane	0.413	0.395	4.4	92	0.00
40 T	1,4-Dioxane	0.208	0.185	11.1	88	0.00
41 T	Tetrahydrofuran	0.488	0.455	6.8	90	0.00
42 T	Bromodichloromethane	0.836	0.825	1.3	92	0.00
43	Methyl Methacrylate	0.475	0.450	5.3	90	0.00
44 T	2,2,4-Trimethylpentane	1.960	1.858	5.2	92	0.00
45 T	t-1,3-Dichloropropene	0.486	0.457	6.0	86	0.00
46 T	cis-1,3-Dichloropropene	0.624	0.592	5.1	88	0.00
47 T	1,1,2-Trichloroethane	0.434	0.414	4.6	94	0.00
48 T	Dibromochloromethane	0.658	0.667	-1.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041866.D
 Acq On : 09 Jan 2025 15:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

Quant Time: Jan 09 15:38:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 09 15:10:07 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	0.575	0.577	-0.3	89	0.00
50 T	4-Methyl-2-Pentanone	1.186	1.122	5.4	91	-0.01
51 T	2-Hexanone	0.976	0.911	6.7	90	0.00
52 T	Tetrachloroethene	0.444	0.379	14.6	90	0.00
53 T	Toluene	1.380	1.296	6.1	90	0.00
54 T	1,2-Dibromoethane	0.590	0.567	3.9	91	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
56	1,1,1,2-Tetrachloroethane	0.596	0.576	3.4	93	0.00
57 T	Chlorobenzene	1.115	1.056	5.3	92	0.00
58 T	Ethyl Benzene	2.056	1.973	4.0	92	0.00
59 T	m/p-Xylene	1.625	1.537	5.4	92	0.00
60 T	o-Xylene	1.621	1.529	5.7	92	0.00
61 T	Styrene	0.809	0.760	6.1	87	0.00
62	Isopropylbenzene	2.440	2.297	5.9	91	0.00
63 T	1,1,2,2-Tetrachloroethane	0.973	0.901	7.4	90	0.00
64	n-propylbenzene	0.636	0.582	8.5	90	0.00
65	tert-Butylbenzene	2.208	2.057	6.8	93	0.00
66 T	Benzyl Chloride	0.229	0.187	18.3	77	0.00
67	sec-Butylbenzene	3.043	2.808	7.7	93	0.00
68 S	1-Bromo-4-Fluorobenzene	0.802	0.802	0.0	89	0.00
69	p-Isopropyltoluene	2.597	2.374	8.6	91	0.00
70	n-Butylbenzene	2.606	2.321	10.9	89	0.00
71	2-Chlorotoluene	1.889	1.722	8.8	89	0.00
72 T	4-Ethyltoluene	1.987	1.839	7.4	90	0.00
73 T	1,3,5-Trimethylbenzene	1.687	1.574	6.7	91	0.00
74 T	1,2,4-Trimethylbenzene	1.833	1.670	8.9	91	0.00
75 T	1,3-Dichlorobenzene	1.099	0.960	12.6	88	0.00
76 T	1,4-Dichlorobenzene	1.088	0.966	11.2	89	0.00
77 T	1,2-Dichlorobenzene	1.039	0.925	11.0	90	0.00
78 T	Hexachloro-1,3-Butadiene	0.893	0.682	23.6	85	0.00
79 T	Naphthalene	1.974	1.497	24.2	84	0.00
80 T	Naphthalene,2-methyl-	1.065	0.639	40.0#	74	0.00
81 T	1,2,4-Trichlorobenzene	0.940	0.741	21.2	86	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



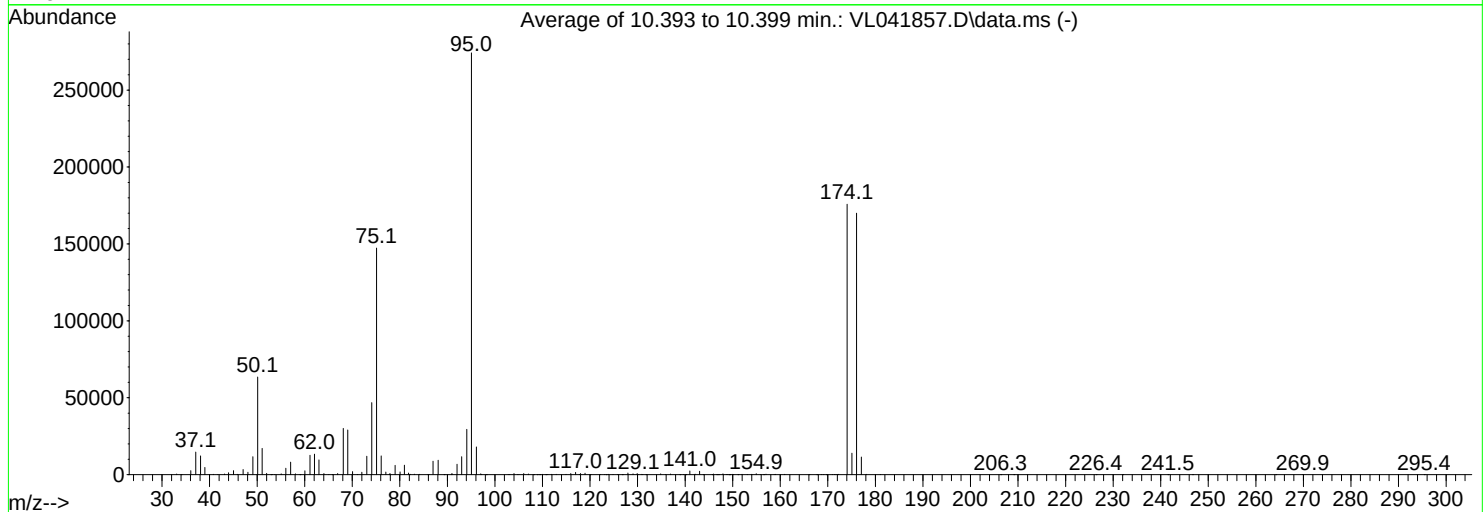
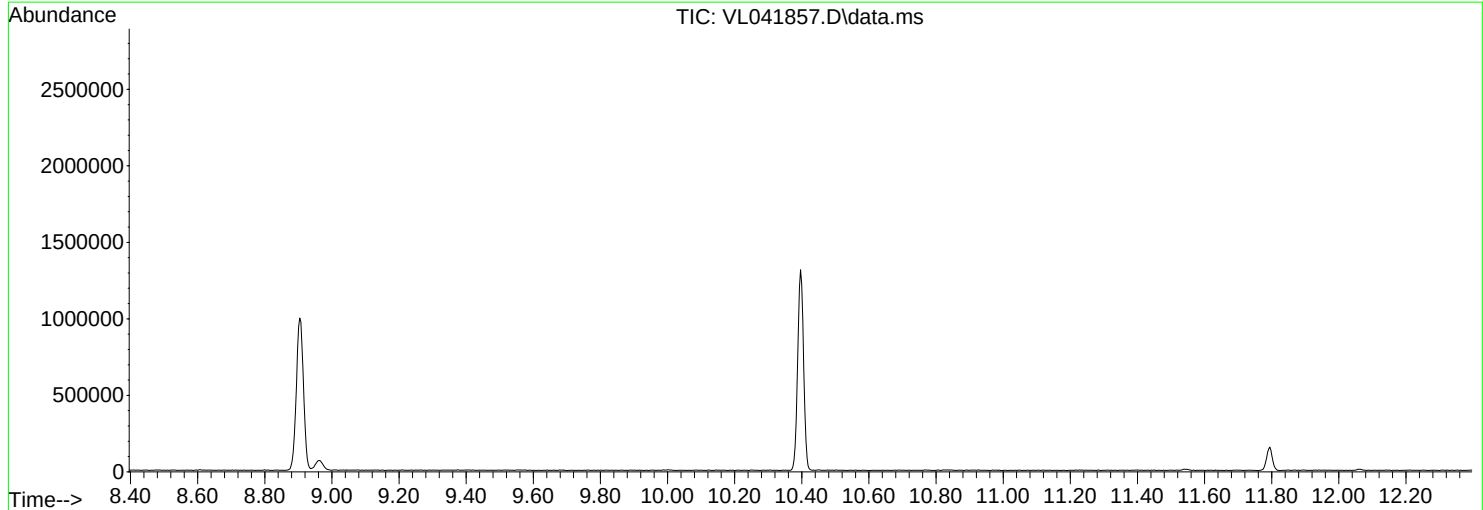
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041857.D
Acq On : 09 Jan 2025 09:48
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\VL010925AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Jan 10 00:31:30 2025



AutoFind: Scans 3184, 3185, 3186; Background Corrected with Scan 3165

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	23.1	63467	PASS
75	95	30	66	53.7	147285	PASS
95	95	100	100	100.0	274227	PASS
96	95	5	9	6.6	18052	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	64.1	175765	PASS
175	174	4	9	7.9	13949	PASS
176	174	93	101	96.7	170005	PASS
177	176	5	9	6.7	11408	PASS

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	
Project:	63 Richards Street Dover, NJ	Date Received:	
Client Sample ID:	VL0109ABL03	SDG No.:	Q1037
Lab Sample ID:	VL0109ABL03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041869.D	1		01/09/25 17:01	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.21	1.04	U	1.04	2.47	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
74-83-9	Bromomethane	0.14	0.54	U	0.54	1.94	ug/m3
75-00-3	Chloroethane	0.17	0.45	U	0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.13	0.38	U	0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.16	0.90	U	0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.16	1.23	U	1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.090	0.63	U	0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	0.19	0.58	U	0.58	1.52	ug/m3
142-82-5	Heptane	0.11	0.45	U	0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
67-64-1	Acetone	0.24	0.57	U	0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	0.16	0.50	U	0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.12	0.43	U	0.43	1.80	ug/m3
75-09-2	Methylene Chloride	0.19	0.66	U	0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.19	0.75	U	0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.12	0.35	U	0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.010	0.060	U	0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
67-66-3	Chloroform	0.080	0.39	U	0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.10	0.47	U	0.47	2.34	ug/m3
71-43-2	Benzene	0.090	0.29	U	0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	0.11	0.51	U	0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	0.080	0.54	U	0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.090	0.37	U	0.37	2.05	ug/m3
108-88-3	Toluene	0.11	0.41	U	0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.060	0.27	U	0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.070	0.38	U	0.38	2.73	ug/m3

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	
Project:	63 Richards Street Dover, NJ	Date Received:	
Client Sample ID:	VL0109ABL03	SDG No.:	Q1037
Lab Sample ID:	VL0109ABL03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041869.D	1		01/09/25 17:01	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.070	0.60	U	0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.070	0.54	U	0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	0.080	0.37	U	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.12	0.52	U	0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	0.21	0.91	U	0.91	4.34	ug/m3
95-47-6	o-Xylene	0.12	0.52	U	0.52	2.17	ug/m3
100-42-5	Styrene	0.11	0.47	U	0.47	2.13	ug/m3
75-25-2	Bromoform	0.060	0.62	U	0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.010	0.070	U	0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.11	0.57	U	0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	0.11	0.54	U	0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.080	0.39	U	0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	0.080	0.48	U	0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.090	0.67	U	0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.090	0.96	U	0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	0.13	0.29	U	0.29	1.11	ug/m3
91-20-3	Naphthalene	0.080	0.42	U	0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.12	0.59	U	0.59	2.46	ug/m3
110-54-3	Hexane	0.11	0.39	U	0.39	1.76	ug/m3
107-05-1	Allyl Chloride	0.15	0.47	U	0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	0.21	0.76	U	0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	0.090	0.37	U	0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.2			65 - 135	102%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	128000		2.803			
540-36-3	1,4-Difluorobenzene	381000		3.981			
3114-55-4	Chlorobenzene-d5	345000		8.901			

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	
Project:	63 Richards Street Dover, NJ	Date Received:	
Client Sample ID:	VL0109ABL03	SDG No.:	Q1037
Lab Sample ID:	VL0109ABL03	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041869.D	1		01/09/25 17:01	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 RL = Reporting Limit
 MDL = Method Detection Limit
 E = Value Exceeds Calibration Range
 D = Dilution

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041869.D
 Acq On : 09 Jan 2025 17:01
 Operator : SY/MD
 Sample : VL0109ABL03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABL03

Quant Time: Jan 10 01:41:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	128032	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	380928	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	344690	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	280854	10.162	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

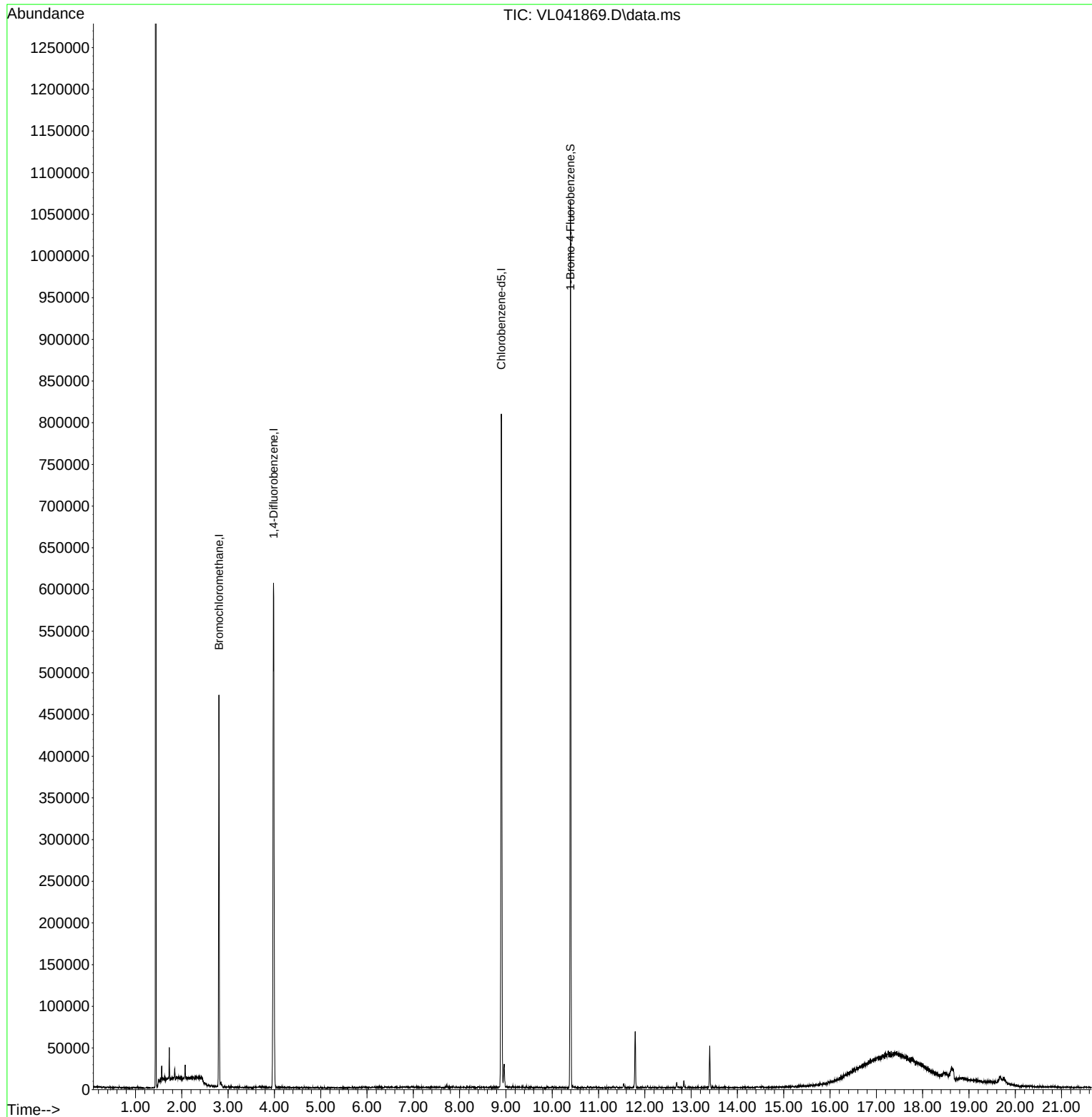
Target Compounds	Qvalue

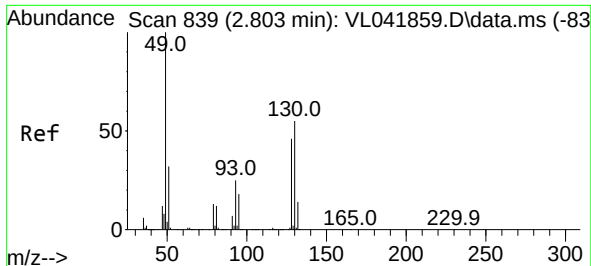
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041869.D
Acq On : 09 Jan 2025 17:01
Operator : SY/MD
Sample : VL0109ABL03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABL03

Quant Time: Jan 10 01:41:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

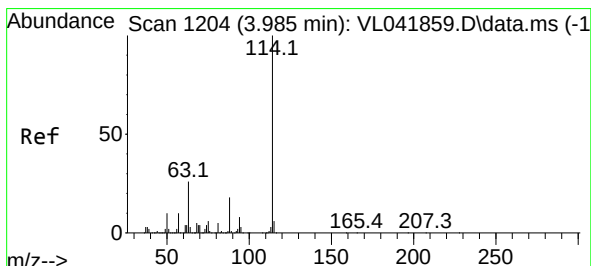
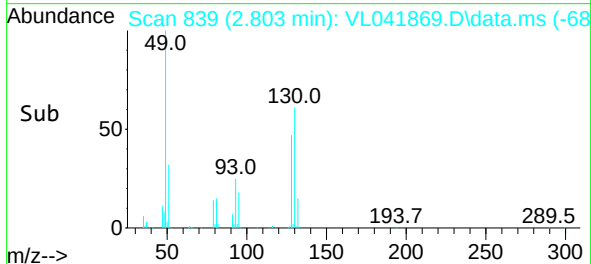
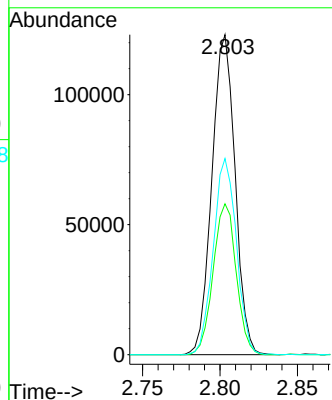
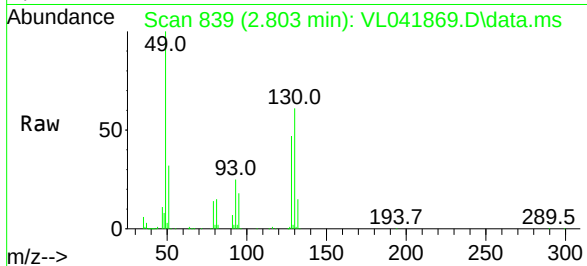




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL041869.D
 Acq: 09 Jan 2025 17:01

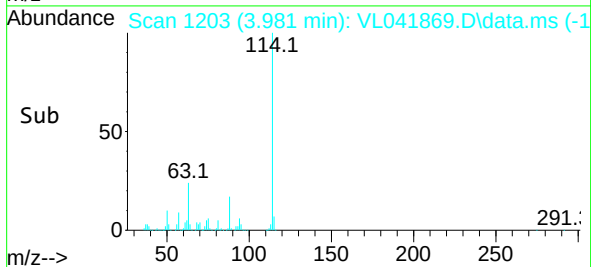
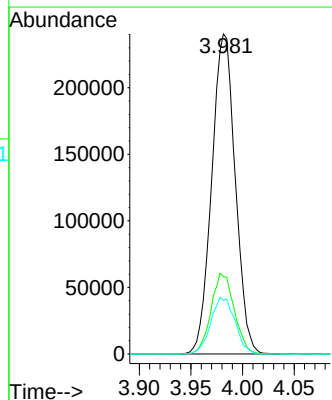
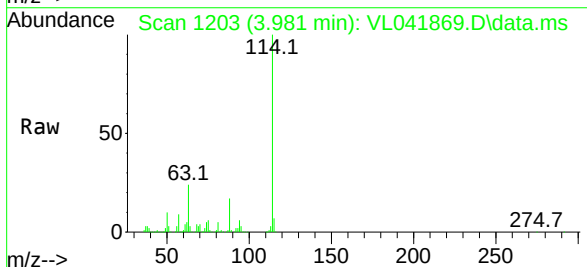
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABL03

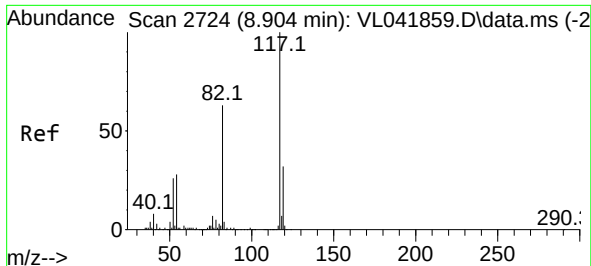
Tgt Ion: 49 Resp: 128032
 Ion Ratio Lower Upper
 49 100
 128 46.9 23.2 69.5
 130 61.4 29.9 89.8



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.981 min Scan# 1203
 Delta R.T. -0.003 min
 Lab File: VL041869.D
 Acq: 09 Jan 2025 17:01

Tgt Ion: 114 Resp: 380928
 Ion Ratio Lower Upper
 114 100
 63 24.9 20.3 30.5
 88 18.1 14.6 21.8

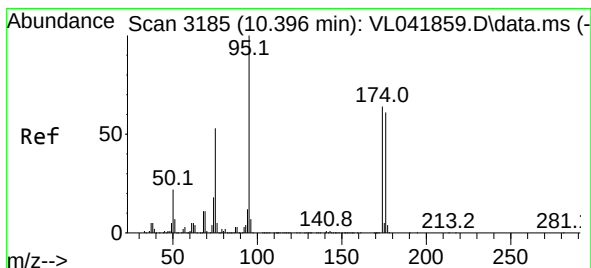
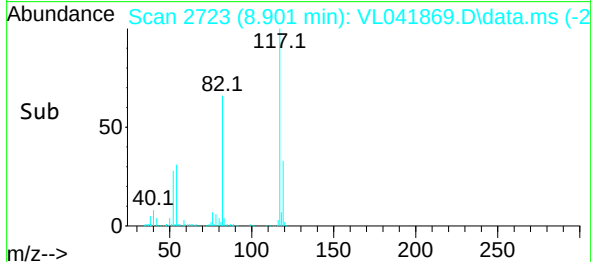
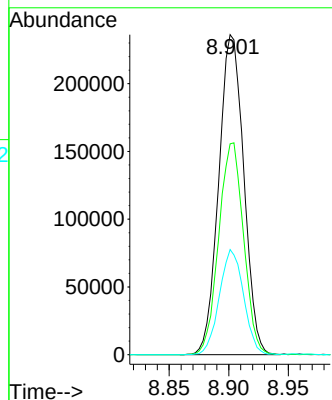
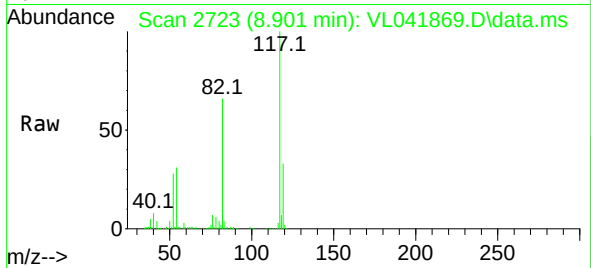




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041869.D
Acq: 09 Jan 2025 17:01

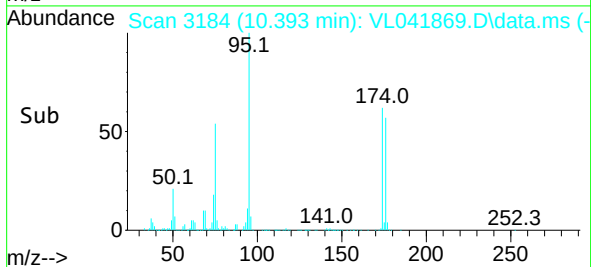
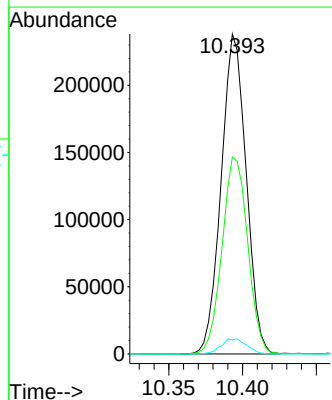
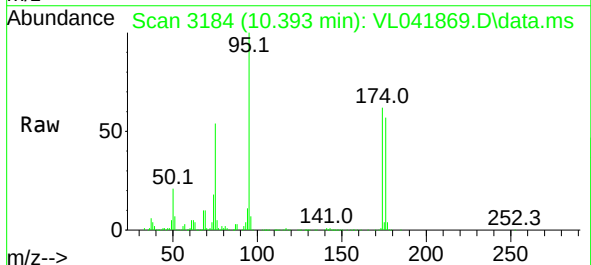
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABL03

Tgt Ion:117 Resp: 344690
Ion Ratio Lower Upper
117 100
82 65.7 54.5 81.7
119 31.9 24.6 37.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.162 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. -0.003 min
Lab File: VL041869.D
Acq: 09 Jan 2025 17:01

Tgt Ion: 95 Resp: 280854
Ion Ratio Lower Upper
95 100
174 63.3 51.1 76.7
175 4.9 3.8 5.8



Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	
Project:	63 Richards Street Dover, NJ	Date Received:	
Client Sample ID:	VL0109ABS01	SDG No.:	Q1037
Lab Sample ID:	VL0109ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041870.D	1		01/09/25 17:32	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	10.7	52.9		1.04	2.47	ug/m3
74-87-3	Chloromethane	10.2	21.1		0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	9.50	24.3		0.030	0.080	ug/m3
74-83-9	Bromomethane	9.60	37.3		0.54	1.94	ug/m3
75-00-3	Chloroethane	10.1	26.6		0.45	1.32	ug/m3
109-99-9	Tetrahydrofuran	9.30	27.4		0.38	1.47	ug/m3
75-69-4	Trichlorofluoromethane	10.6	59.6		0.90	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	10.5	80.5		1.23	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	10.3	72.0		0.63	3.49	ug/m3
75-65-0	tert-Butyl alcohol	10.4	31.5		0.58	1.52	ug/m3
142-82-5	Heptane	9.80	40.2		0.45	2.05	ug/m3
75-35-4	1,1-Dichloroethene	10.4	41.2		0.56	1.98	ug/m3
67-64-1	Acetone	8.40	19.9		0.57	1.19	ug/m3
75-15-0	Carbon Disulfide	10.3	32.1		0.50	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	8.20	29.6		0.43	1.80	ug/m3
75-09-2	Methylene Chloride	9.40	32.7		0.66	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	10.0	39.6		0.75	1.98	ug/m3
75-34-3	1,1-Dichloroethane	10.4	42.1		0.53	2.02	ug/m3
110-82-7	Cyclohexane	9.90	34.1		0.76	1.72	ug/m3
78-93-3	2-Butanone	9.70	28.6		0.35	1.47	ug/m3
56-23-5	Carbon Tetrachloride	10.4	65.4		0.060	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	10.1	40.0		0.36	1.98	ug/m3
67-66-3	Chloroform	10.2	49.8		0.39	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	10.4	56.7		0.050	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	10.0	46.7		0.47	2.34	ug/m3
71-43-2	Benzene	10.0	31.9		0.29	1.60	ug/m3
107-06-2	1,2-Dichloroethane	10.3	41.7		0.36	2.02	ug/m3
79-01-6	Trichloroethene	10.2	54.8		0.11	0.16	ug/m3
78-87-5	1,2-Dichloropropane	9.90	45.8		0.51	2.31	ug/m3
75-27-4	Bromodichloromethane	10.4	69.7		0.54	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	9.70	39.8		0.37	2.05	ug/m3
108-88-3	Toluene	9.90	37.3		0.41	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	9.70	44.0		0.27	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	9.70	44.0		0.27	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	10.0	54.6		0.38	2.73	ug/m3

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	
Project:	63 Richards Street Dover, NJ	Date Received:	
Client Sample ID:	VL0109ABS01	SDG No.:	Q1037
Lab Sample ID:	VL0109ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041870.D	1		01/09/25 17:32	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	10.7	91.2		0.60	4.26	ug/m3
106-93-4	1,2-Dibromoethane	10.1	77.6		0.54	0.77	ug/m3
127-18-4	Tetrachloroethene	8.90	60.4		0.14	0.20	ug/m3
108-90-7	Chlorobenzene	9.90	45.6		0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	10.0	43.4		0.52	2.17	ug/m3
179601-23-1	m/p-Xylene	19.8	86.0		0.91	4.34	ug/m3
95-47-6	o-Xylene	9.90	43.0		0.52	2.17	ug/m3
100-42-5	Styrene	9.80	41.7		0.47	2.13	ug/m3
75-25-2	Bromoform	10.5	109		0.62	5.17	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	9.70	66.6		0.070	0.21	ug/m3
95-49-8	2-Chlorotoluene	9.60	49.7		0.57	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	9.80	48.2		0.54	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	9.40	46.2		0.39	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	9.20	55.3		0.48	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	9.30	55.9		0.30	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	9.30	55.9		0.48	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	8.00	59.4		0.67	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	8.00	85.3		0.96	5.33	ug/m3
106-99-0	1,3-Butadiene	9.20	20.4		0.29	1.11	ug/m3
91-20-3	Naphthalene	7.80	40.9		0.42	0.52	ug/m3
622-96-8	4-Ethyltoluene	9.70	47.7		0.59	2.46	ug/m3
110-54-3	Hexane	10.0	35.2		0.39	1.76	ug/m3
107-05-1	Allyl Chloride	10.0	31.3		0.47	1.57	ug/m3
123-91-1	1,4-Dioxane	9.00	32.4		0.76	1.80	ug/m3
80-62-6	Methyl Methacrylate	9.90	40.5		0.37	2.05	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.1			65 - 135	101%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	123000		2.803			
540-36-3	1,4-Difluorobenzene	372000		3.981			
3114-55-4	Chlorobenzene-d5	340000		8.904			

Report of Analysis

Client:	All American Environmental, LLC	Date Collected:	
Project:	63 Richards Street Dover, NJ	Date Received:	
Client Sample ID:	VL0109ABS01	SDG No.:	Q1037
Lab Sample ID:	VL0109ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL041870.D	1		01/09/25 17:32	VL010925

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
 RL = Reporting Limit
 MDL = Method Detection Limit
 E = Value Exceeds Calibration Range
 D = Dilution

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041870.D
 Acq On : 09 Jan 2025 17:32
 Operator : SY/MD
 Sample : VL0109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:42:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	122543	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	372014	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	340087	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 274569 10.069 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	214765	10.675	ppbv	99
3) Chlorodifluoromethane	1.483	51	219609	9.938	ppbv	98
4) Chloromethane	1.538	50	79635	10.183	ppbv	99
5) Vinyl Chloride	1.586	62	78642	9.456	ppbv	99
6) Bromomethane	1.674	94	37722	9.624	ppbv	98
7) Chloroethane	1.713	64	32686	10.139	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	180586	10.325	ppbv	98
9) Propene	1.489	41	97956	9.500	ppbv	100
10) Heptane	5.007	43	265739	9.773	ppbv	99
11) Trichlorofluoromethane	1.887	101	218631	10.573	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.149	101	176361	10.543	ppbv	96
13) Ethanol	1.729	45	6453	9.854	ppbv	95
14) Bromoethene	1.790	108	62928	10.509	ppbv	98
15) Acetone	1.842	43	174247	8.431	ppbv	97
16) 1,3-Butadiene	1.615	39	81413	9.171	ppbv	95
17) tert-Butyl alcohol	2.049	59	244537	10.428	ppbv	98
18) 1,1-Dichloroethene	2.043	96	78665	10.392	ppbv	99
19) Isopropyl Alcohol	1.894	45	102969	9.479	ppbv	99
20) Methylene Chloride	2.072	84	66435	9.423	ppbv	95
21) Allyl Chloride	2.107	41	132275	10.002	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	87608	9.995	ppbv	98
23) Vinyl Acetate	2.476	43	97489	9.309	ppbv #	98
24) 1,1-Dichloroethane	2.421	63	172510	10.392	ppbv #	98
25) Ethyl Acetate	2.852	43	523764	10.198	ppbv	99
26) Hexane	2.842	57	210453	9.961	ppbv	99
27) Carbon Disulfide	2.162	76	208581	10.307	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	131707	8.169	ppbv	98
29) Chloroform	2.865	83	302447	10.231	ppbv	96
30) Cyclohexane	3.878	84	180360	9.941	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	208408	10.094	ppbv	97
32) 1,1,1-Trichloroethane	3.386	97	305295	10.396	ppbv	99
34) 2-Butanone	2.570	43	301434	9.747	ppbv	99
35) Carbon Tetrachloride	3.784	117	300238	10.385	ppbv	98
36) Benzene	3.677	78	433563	10.046	ppbv	98
37) 1,2-Dichloroethane	3.237	62	233267	10.302	ppbv	100
38) Trichloroethene	4.574	130	174343m	10.231	ppbv	
39) 1,2-Dichloropropane	4.337	63	152646	9.943	ppbv	97
40) 1,4-Dioxane	4.613	88	69319	8.979	ppbv #	87
41) Tetrahydrofuran	3.072	42	169639	9.340	ppbv	96
42) Bromodichloromethane	4.515	83	324422	10.429	ppbv	99
43) Methyl Methacrylate	4.907	69	175507	9.930	ppbv	99
44) 2,2,4-Trimethylpentane	4.668	57	725640	9.954	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	175855	9.722	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041870.D
 Acq On : 09 Jan 2025 17:32
 Operator : SY/MD
 Sample : VL0109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:42:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

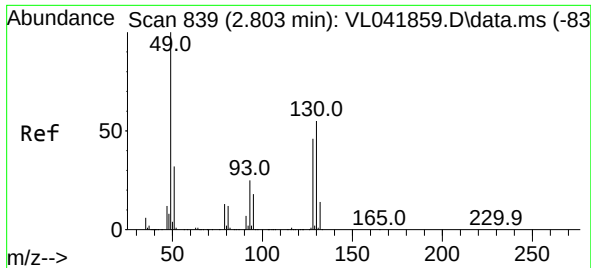
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

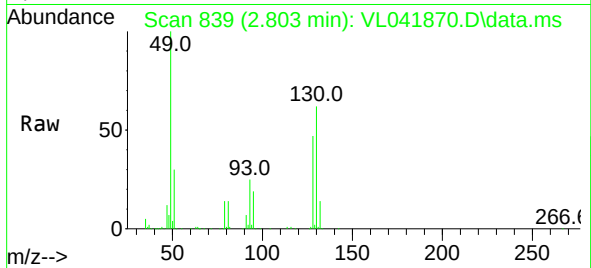
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	224860	9.688	ppbv	99
47) 1,1,2-Trichloroethane	6.616	97	161735	10.013	ppbv	98
48) Dibromochloromethane	7.412	129	261021	10.656	ppbv	98
49) Bromoform	9.503	173	224507	10.502	ppbv	100
50) 4-Methyl-2-Pentanone	5.784	43	429608	9.735	ppbv	100
51) 2-Hexanone	7.464	43	348688	9.606	ppbv	100
52) Tetrachloroethene	8.247	164	147986	8.949	ppbv	97
53) Toluene	6.962	91	508818	9.913	ppbv	100
54) 1,2-Dibromoethane	7.678	107	222055	10.109	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	204382	10.083	ppbv	99
57) Chlorobenzene	8.943	112	374449	9.875	ppbv	98
58) Ethyl Benzene	9.374	91	697634	9.977	ppbv	98
59) m/p-Xylene	9.571	91	1094652m	19.809	ppbv	
60) o-Xylene	9.982	91	542913	9.850	ppbv	100
61) Styrene	9.888	104	270452	9.826	ppbv	99
62) Isopropylbenzene	10.558	105	823744	9.926	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	320068	9.668	ppbv	99
64) n-propylbenzene	11.005	120	210154	9.719	ppbv	97
65) tert-Butylbenzene	11.549	119	733119	9.761	ppbv	99
66) Benzyl Chloride	11.633	91	59367	7.631	ppbv	99
67) sec-Butylbenzene	11.785	105	997840	9.642	ppbv	99
69) p-Isopropyltoluene	11.944	119	845742	9.577	ppbv	99
70) n-Butylbenzene	12.296	91	833307	9.402	ppbv	99
71) 2-Chlorotoluene	10.918	91	615640	9.582	ppbv	99
72) 4-Ethyltoluene	11.141	105	656224	9.710	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	562687	9.807	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	586850	9.416	ppbv #	84
75) 1,3-Dichlorobenzene	11.623	146	344200	9.212	ppbv	100
76) 1,4-Dichlorobenzene	11.688	146	343950	9.299	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	328031	9.288	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	243823	8.032	ppbv	99
79) Naphthalene	13.529	128	523668	7.800	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	200530	5.538	ppbv	99
81) 1,2,4-Trichlorobenzene	13.458	180	254295	7.954	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

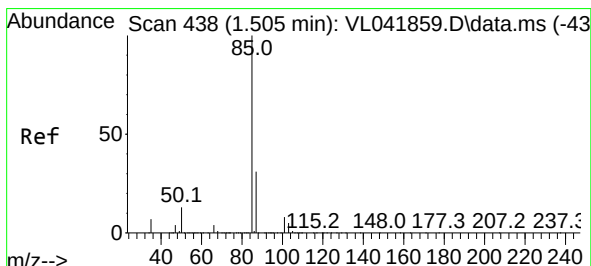
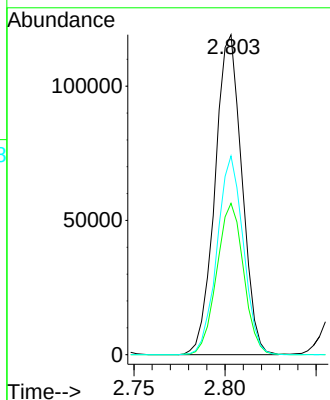
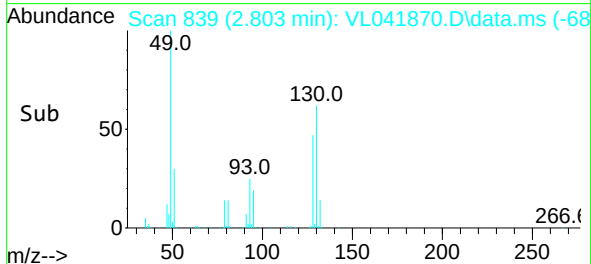
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



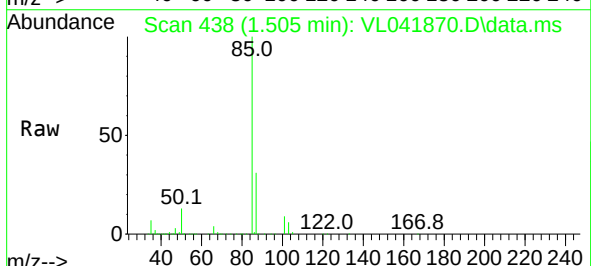
Tgt Ion: 49 Resp: 12254
Ion Ratio Lower Upper
49 100
128 47.1 23.2 69.5
130 60.4 29.9 89.8

Manual Integrations
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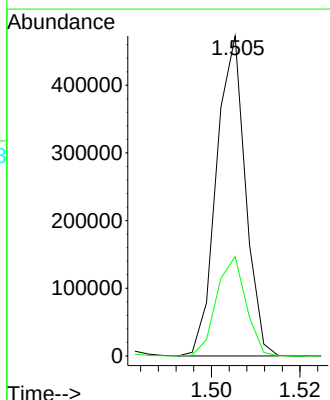
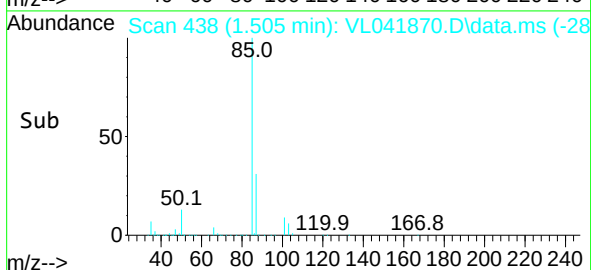
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

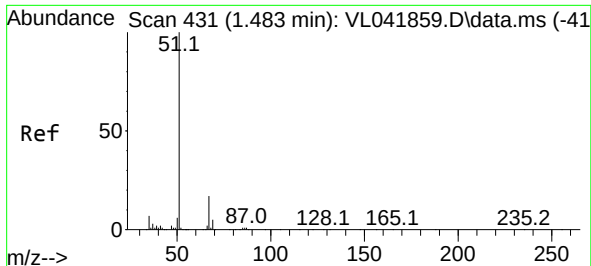


#2
Dichlorodifluoromethane
Concen: 10.675 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



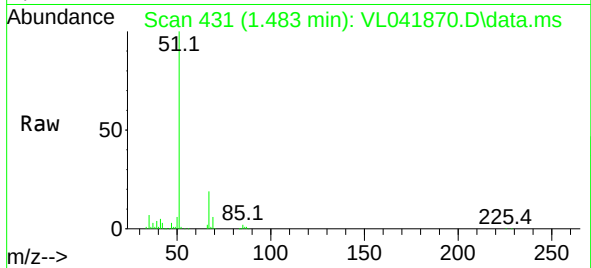
Tgt Ion: 85 Resp: 214765
Ion Ratio Lower Upper
85 100
87 31.1 25.2 37.8





#3
Chlorodifluoromethane
Concen: 9.938 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

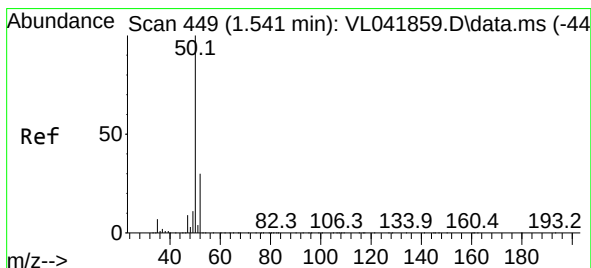
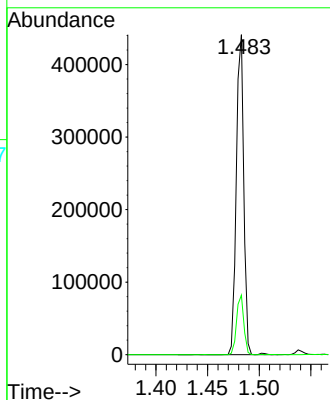
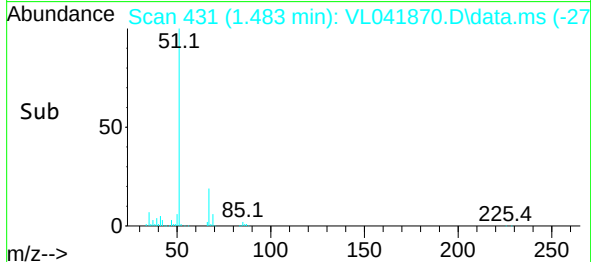
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



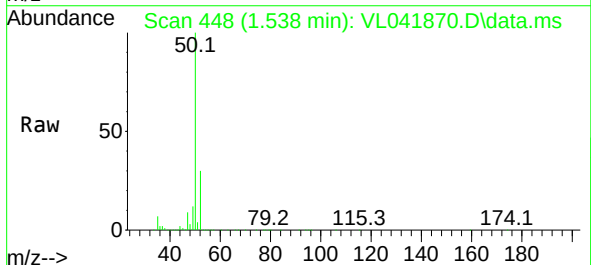
Tgt Ion: 51 Resp: 219609
Ion Ratio Lower Upper
51 100
67 18.2 13.8 20.8

Manual Integrations
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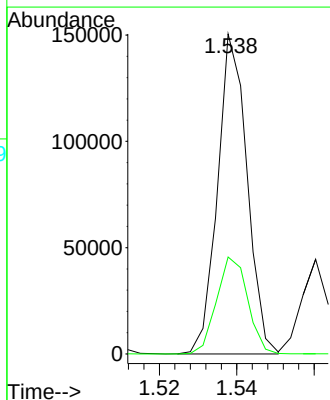
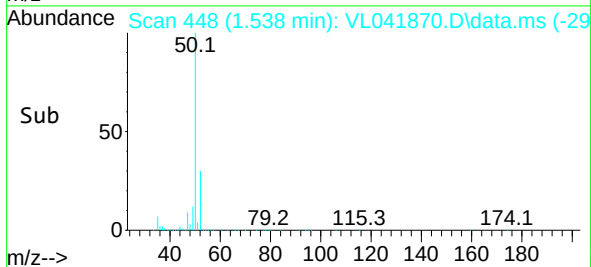
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

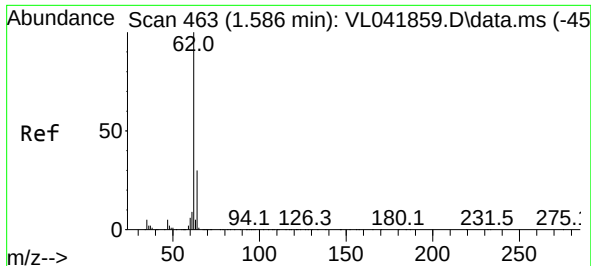


#4
Chloromethane
Concen: 10.183 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



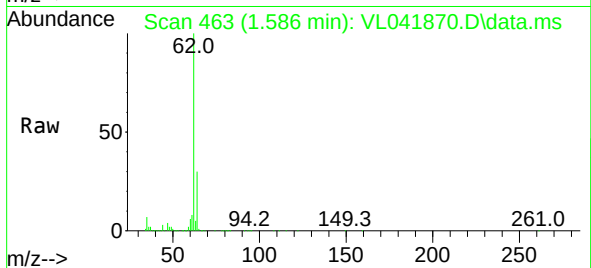
Tgt Ion: 50 Resp: 79635
Ion Ratio Lower Upper
50 100
52 30.3 23.9 35.9





#5
Vinyl Chloride
Concen: 9.456 ppbv
RT: 1.586 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

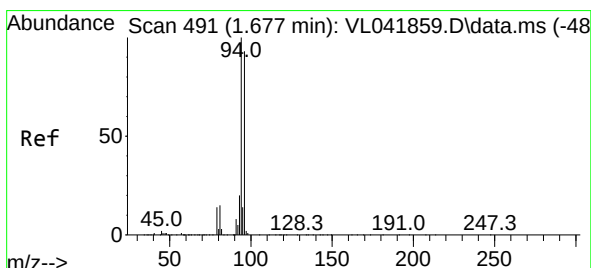
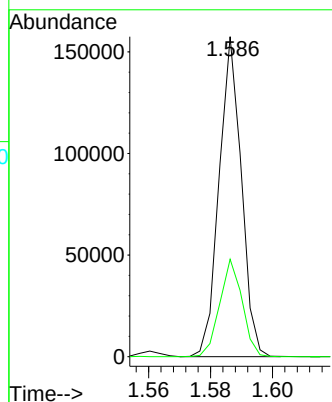
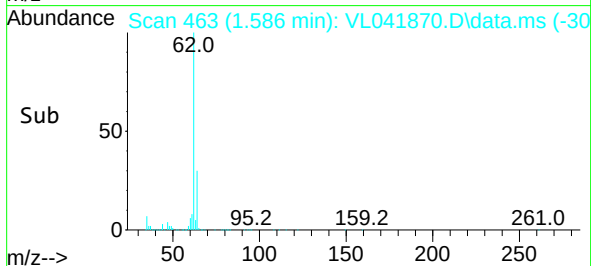
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



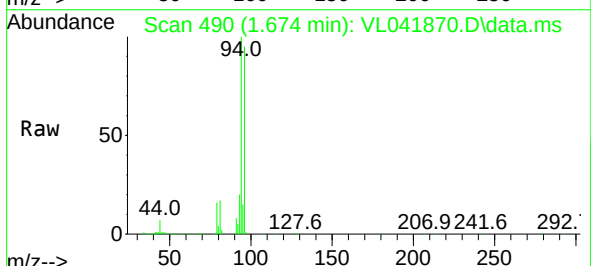
Tgt Ion: 62 Resp: 7864
Ion Ratio Lower Upper
62 100
64 30.4 24.1 36.1

Manual Integrations
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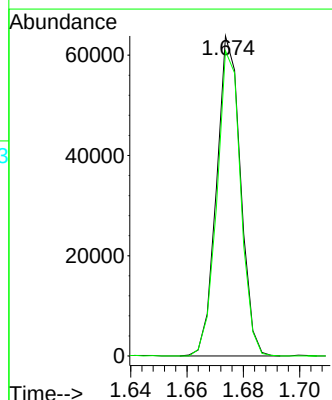
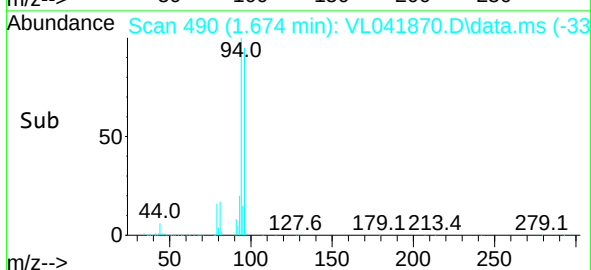
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

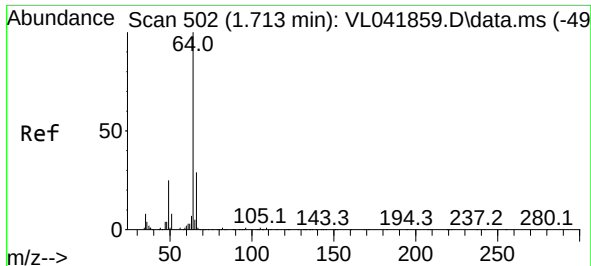


#6
Bromomethane
Concen: 9.624 ppbv
RT: 1.674 min Scan# 490
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



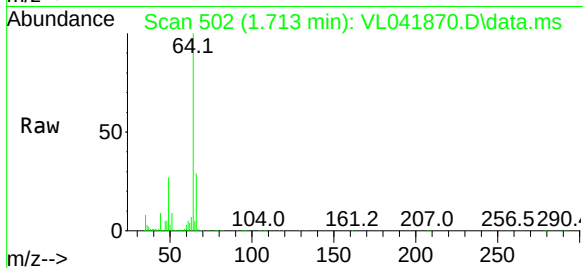
Tgt Ion: 94 Resp: 37722
Ion Ratio Lower Upper
94 100
96 95.4 74.8 112.2





#7
Chloroethane
Concen: 10.139 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

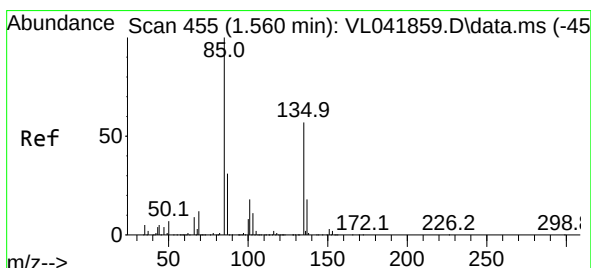
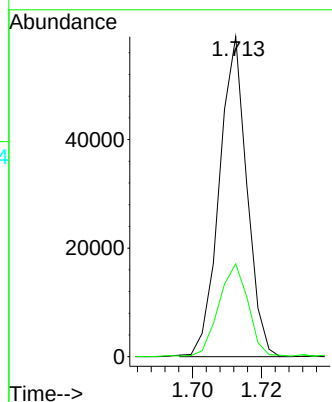
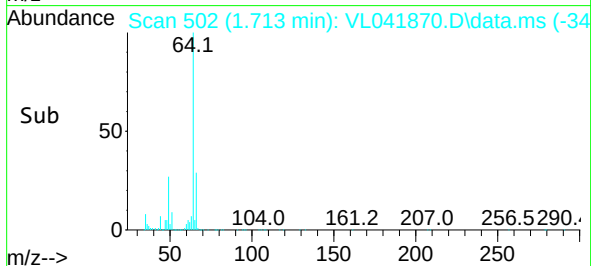
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



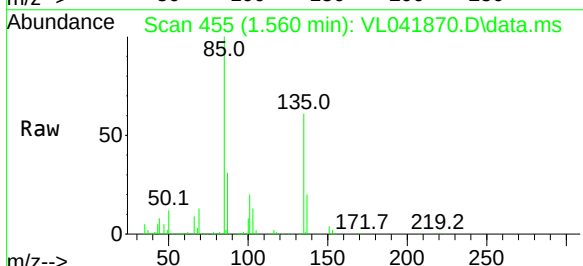
Tgt Ion: 64 Resp: 32680
Ion Ratio Lower Upper
64 100
66 29.0 23.0 34.6

Manual Integrations
APPROVED

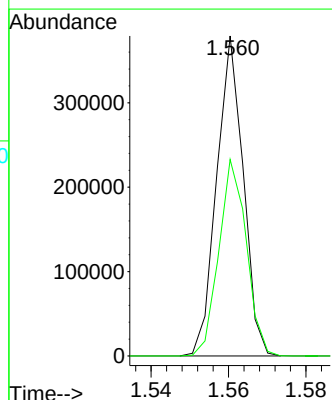
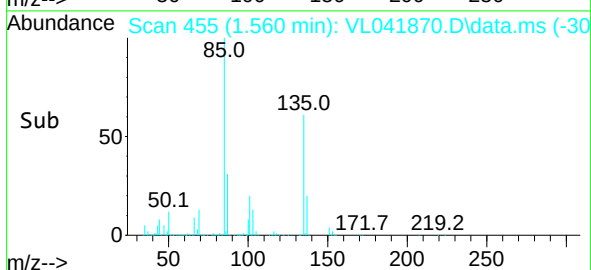
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

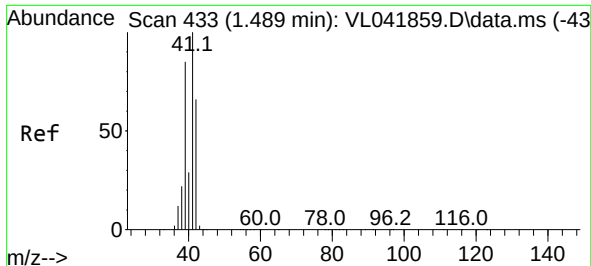


#8
Dichlorotetrafluoroethane
Concen: 10.325 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



Tgt Ion: 85 Resp: 180586
Ion Ratio Lower Upper
85 100
135 63.6 52.2 78.4





#9

Propene

Concen: 9.500 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

VL0109ABS01

Tgt Ion: 41 Resp: 97950

Ion Ratio Lower Upper

41 100

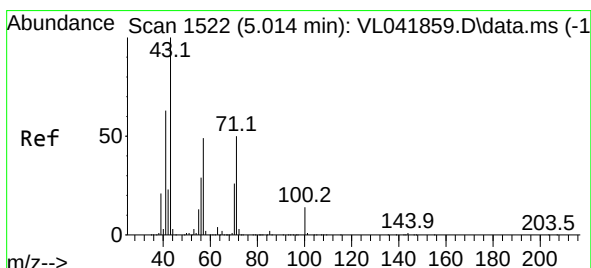
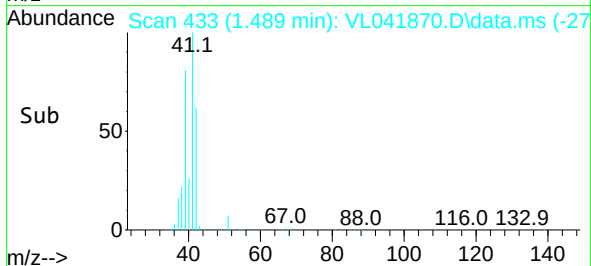
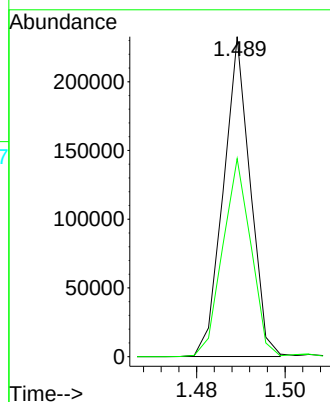
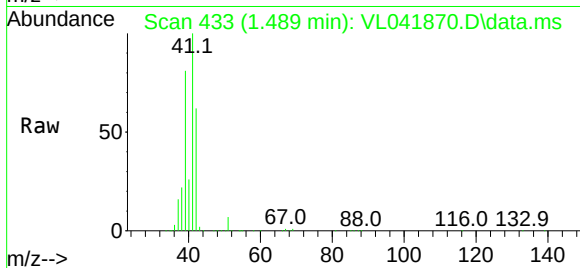
42 66.6 53.0 79.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#10

Heptane

Concen: 9.773 ppbv

RT: 5.007 min Scan# 1520

Delta R.T. -0.006 min

Lab File: VL041870.D

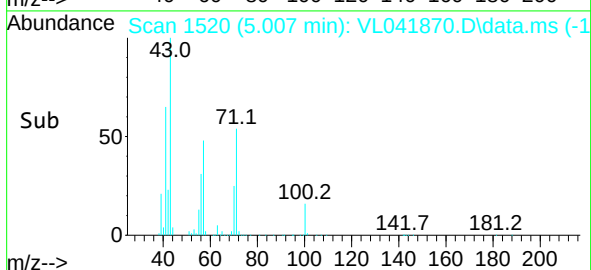
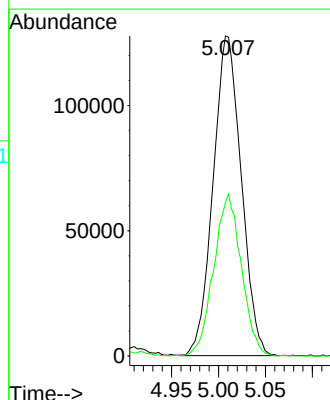
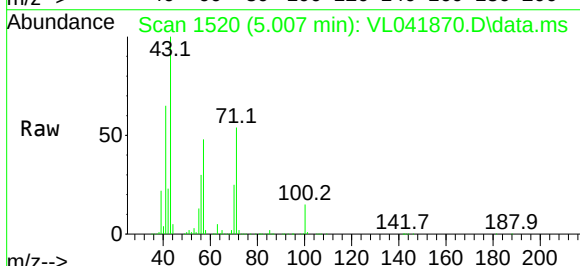
Acq: 09 Jan 2025 17:32

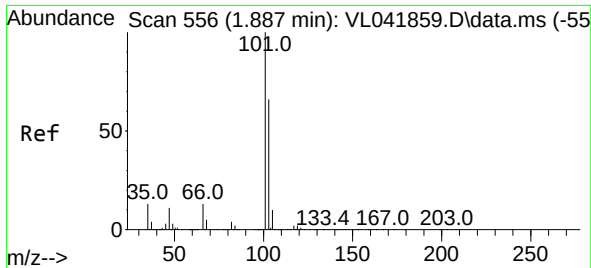
Tgt Ion: 43 Resp: 265739

Ion Ratio Lower Upper

43 100

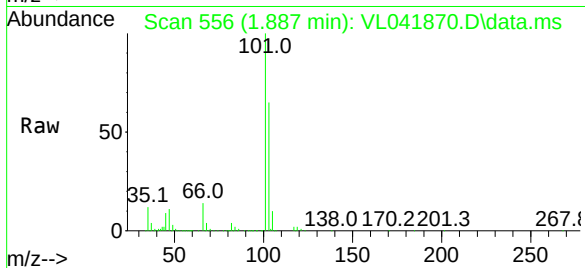
57 49.7 40.2 60.2





#11
 Trichlorofluoromethane
 Concen: 10.573 ppbv
 RT: 1.887 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

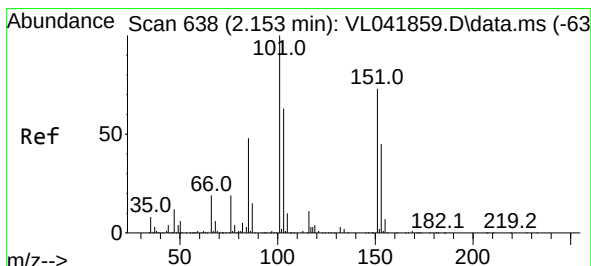
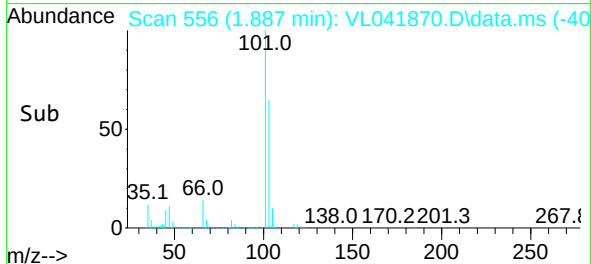
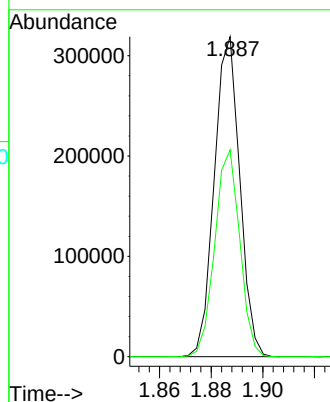
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01



Tgt Ion:101 Resp: 21863
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8

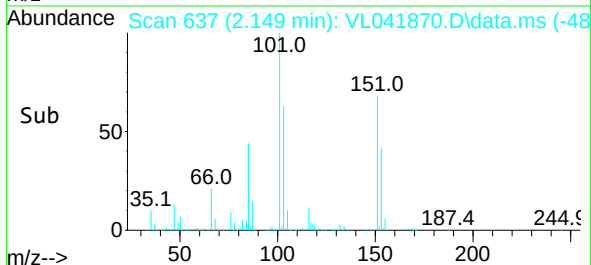
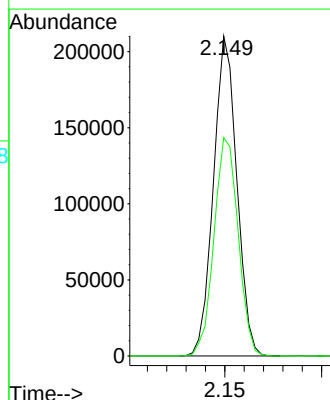
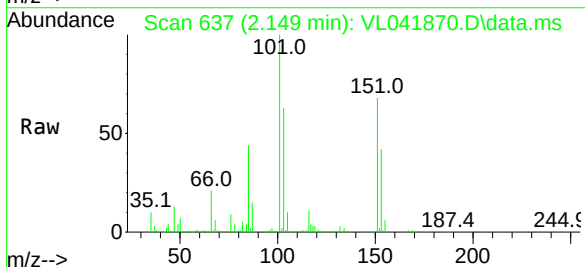
Manual Integrations
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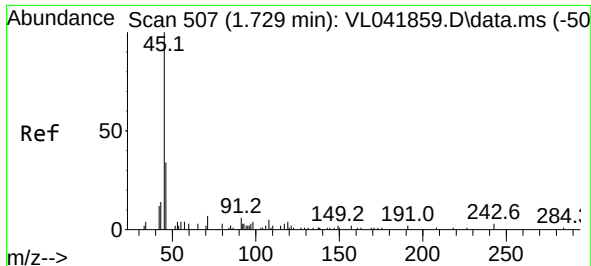
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.543 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

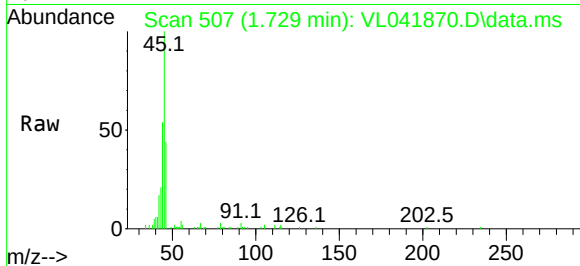
Tgt Ion:101 Resp: 176361
 Ion Ratio Lower Upper
 101 100
 151 70.6 59.4 89.0





#13
Ethanol
Concen: 9.854 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

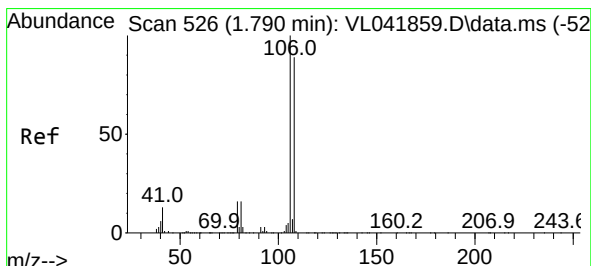
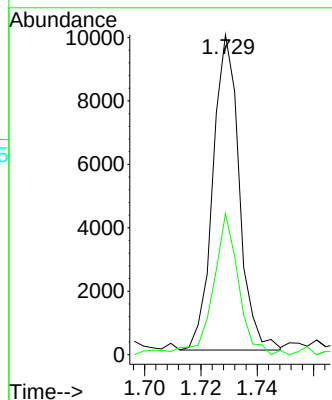
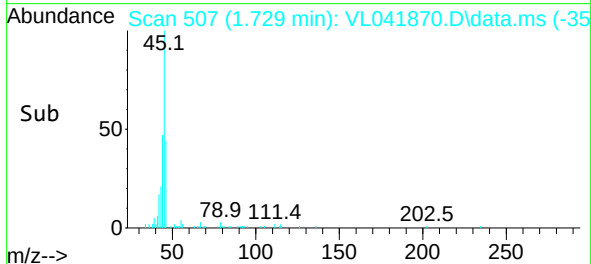
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



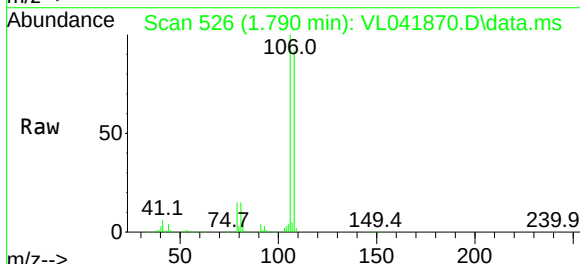
Tgt Ion: 45 Resp: 645
Ion Ratio Lower Upper
45 100
46 44.4 19.0 76.0

Manual Integrations
APPROVED

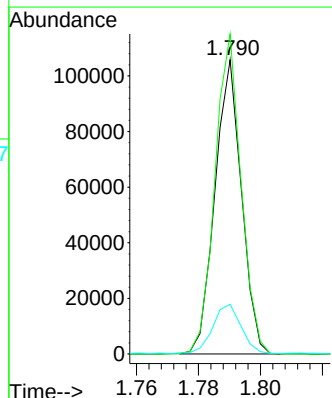
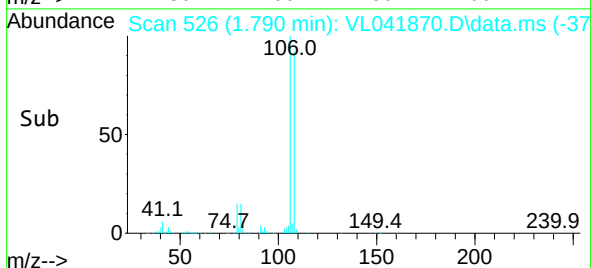
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

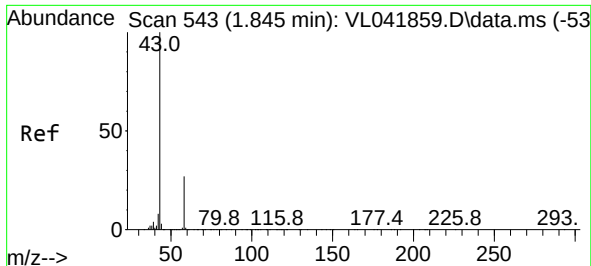


#14
Bromoethene
Concen: 10.509 ppbv
RT: 1.790 min Scan# 526
Delta R.T. -0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



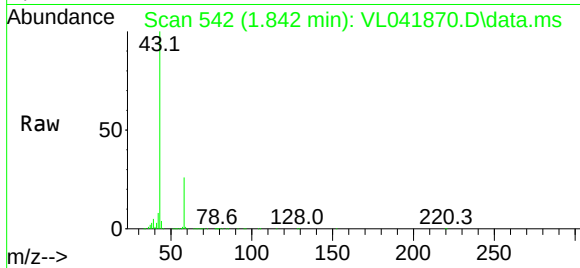
Tgt Ion:108 Resp: 62928
Ion Ratio Lower Upper
108 100
106 107.2 86.9 130.3
79 18.1 15.6 23.4





#15
Acetone
Concen: 8.431 ppbv
RT: 1.842 min Scan# 543
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

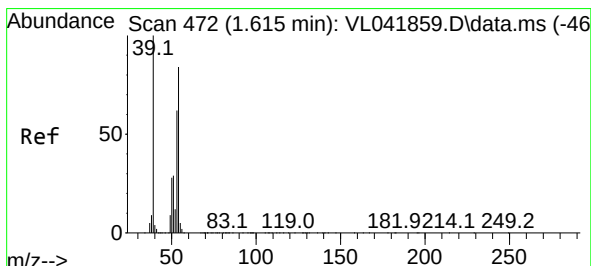
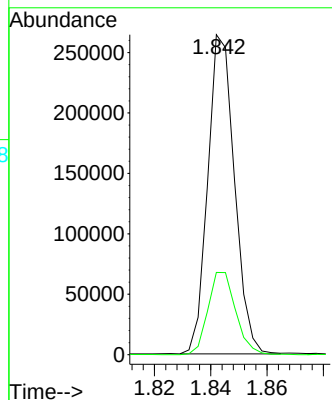
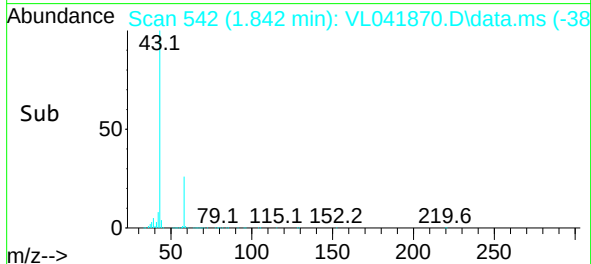
Instrument : MSVOA_L
ClientSampleId : VL0109ABS01



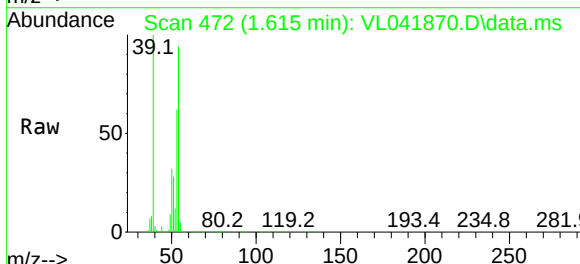
Tgt Ion: 43 Resp: 17424
Ion Ratio Lower Upper
43 100
58 27.0 22.7 34.1

Manual Integrations
APPROVED

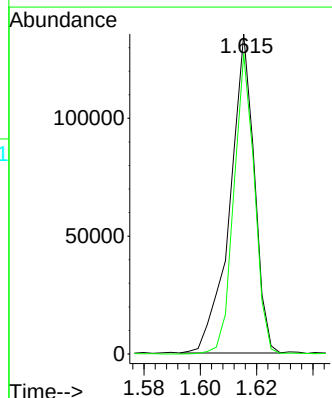
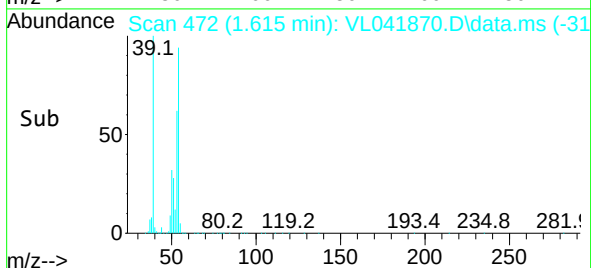
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

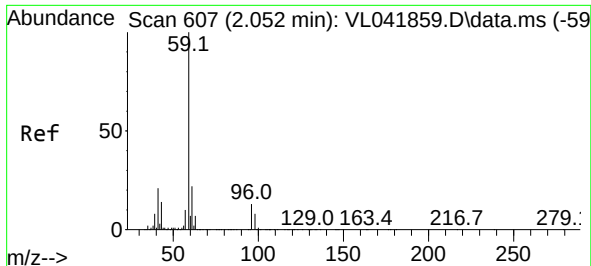


#16
1,3-Butadiene
Concen: 9.171 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



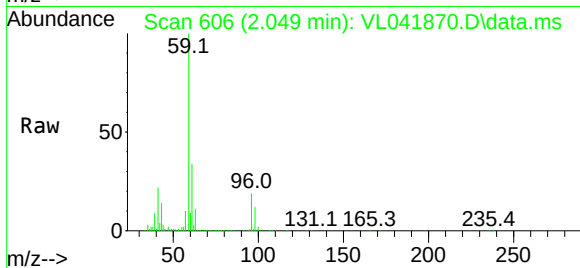
Tgt Ion: 39 Resp: 81413
Ion Ratio Lower Upper
39 100
54 79.8 60.1 90.1





#17
tert-Butyl alcohol
Concen: 10.428 ppbv
RT: 2.049 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

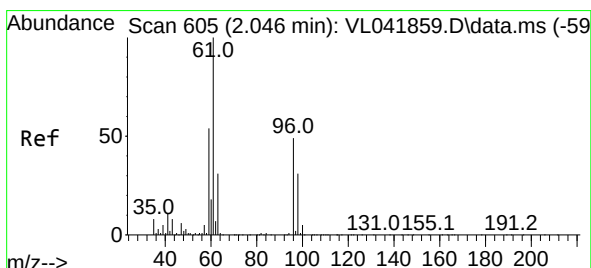
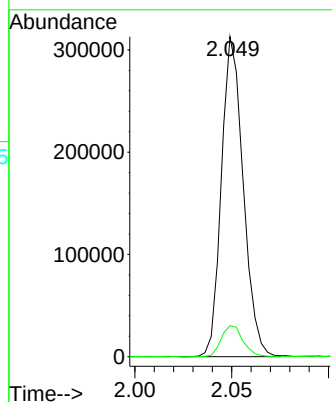
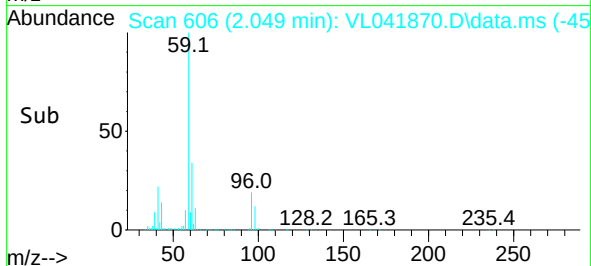
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



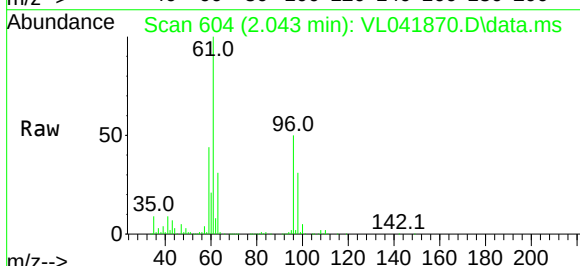
Tgt Ion: 59 Resp: 24453
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4

Manual Integrations
APPROVED

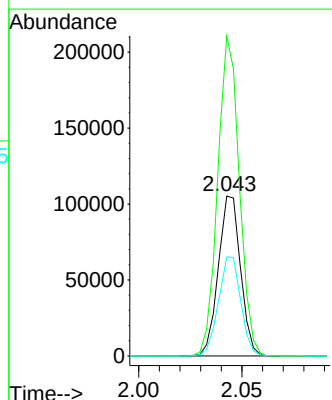
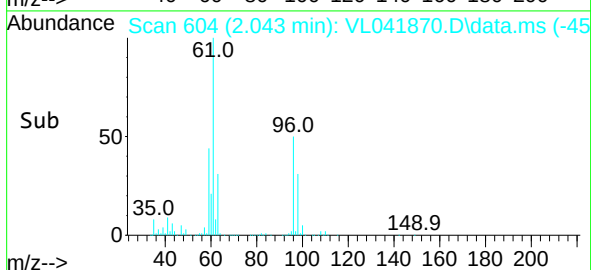
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

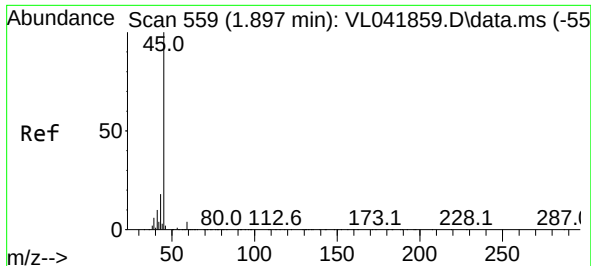


#18
1,1-Dichloroethene
Concen: 10.392 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



Tgt Ion: 96 Resp: 78665
Ion Ratio Lower Upper
96 100
61 200.2 161.7 242.5
98 62.0 51.0 76.4





#19

Isopropyl Alcohol

Concen: 9.479 ppbv

RT: 1.894 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

VL0109ABS01

Tgt Ion: 45 Resp: 102969

Ion Ratio Lower Upper

45 100

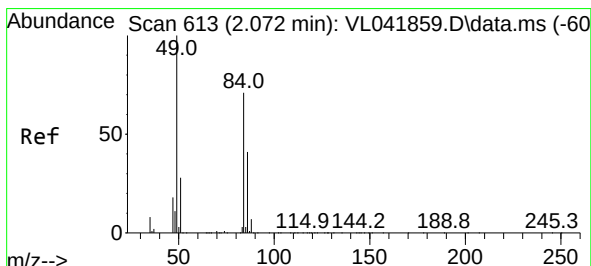
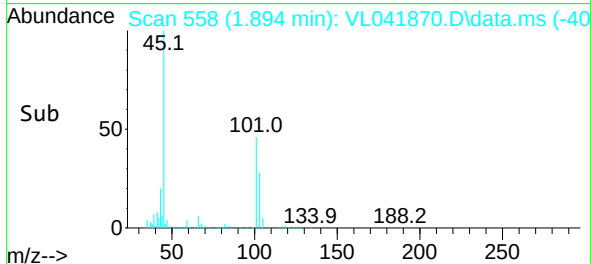
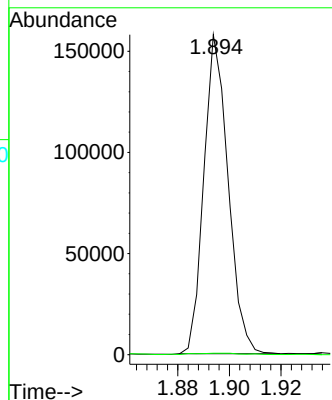
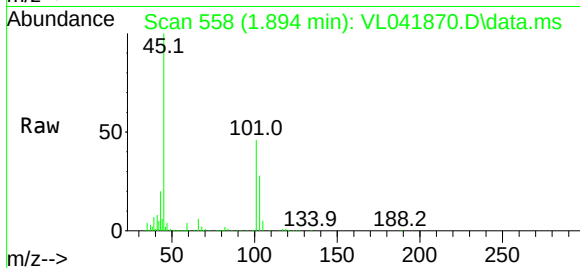
58 45.7 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#20

Methylene Chloride

Concen: 9.423 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.000 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Tgt Ion: 84 Resp: 66435

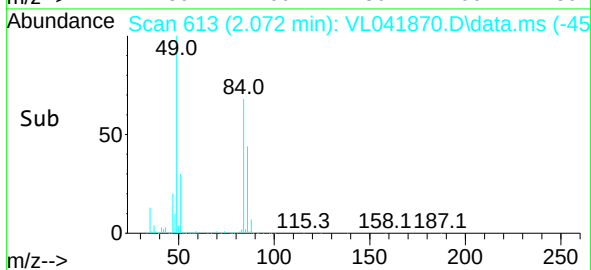
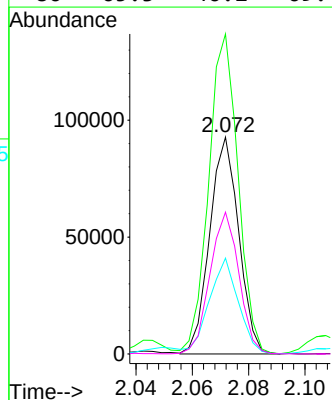
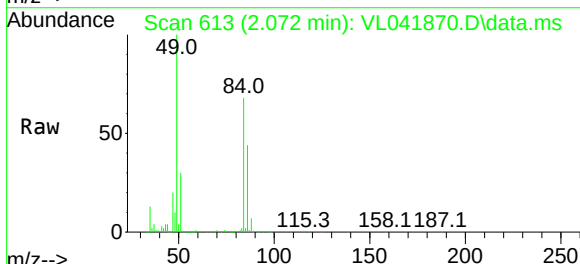
Ion Ratio Lower Upper

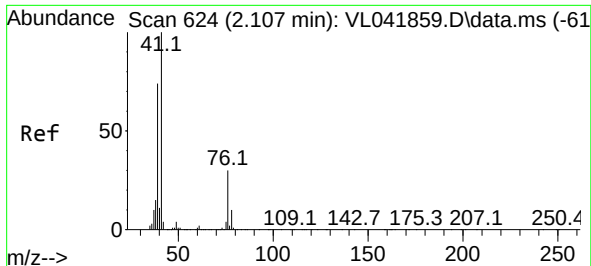
84 100

49 147.5 113.8 170.8

51 44.0 33.5 50.3

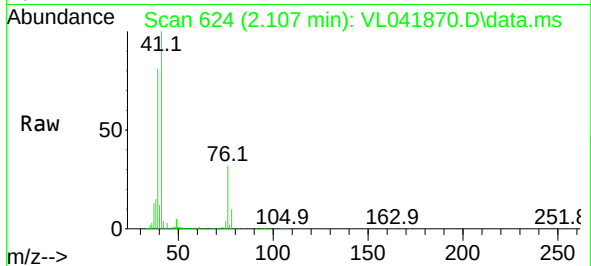
86 65.3 46.2 69.4





#21
 Allyl Chloride
 Concen: 10.002 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

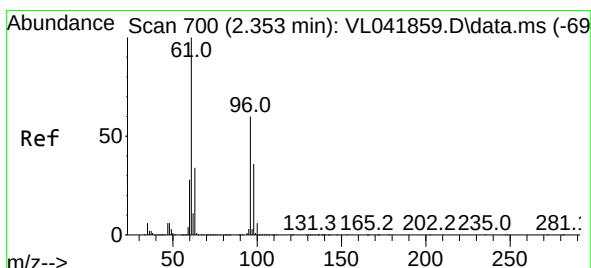
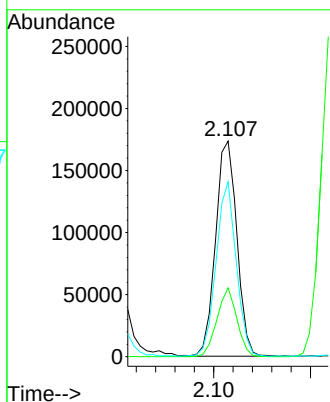
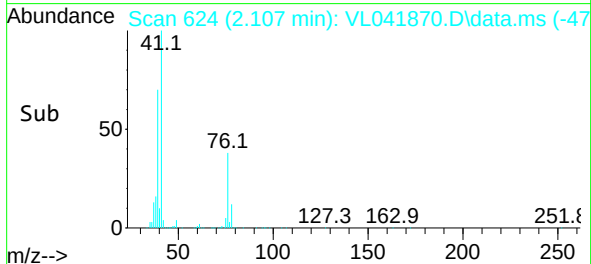
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01



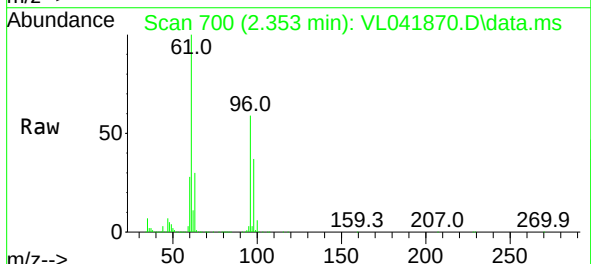
Tgt Ion: 41 Resp: 132275
 Ion Ratio Lower Upper
 41 100
 76 29.8 24.6 36.8
 39 76.4 60.1 90.1

Manual Integrations
 APPROVED

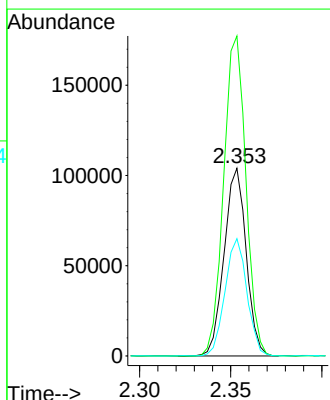
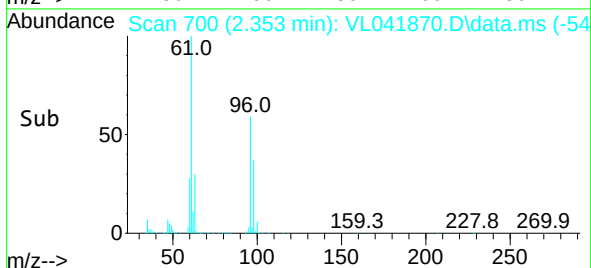
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

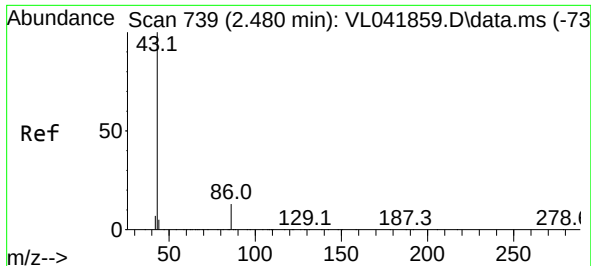


#22
 trans-1,2-Dichloroethene
 Concen: 9.995 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32



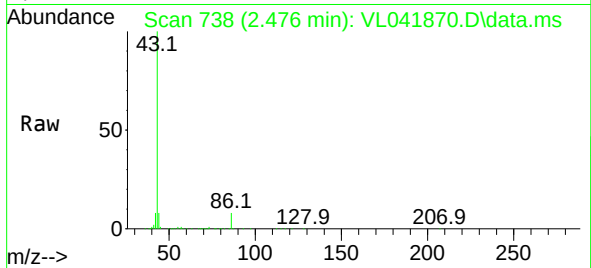
Tgt Ion: 96 Resp: 87608
 Ion Ratio Lower Upper
 96 100
 61 170.5 134.2 201.4
 98 62.4 49.0 73.4





#23
 Vinyl Acetate
 Concen: 9.309 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

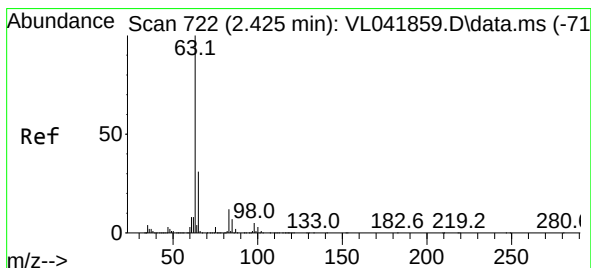
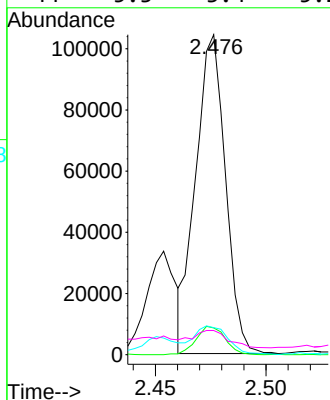
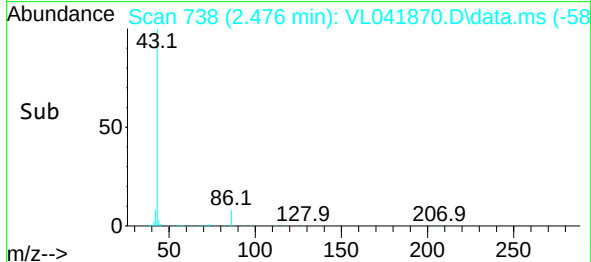
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01



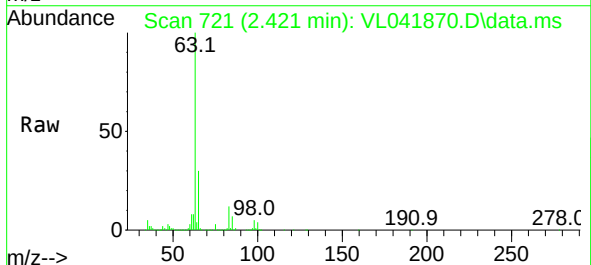
Tgt Ion: 43 Resp: 97489
 Ion Ratio Lower Upper
 43 100
 86 8.3 7.8 11.6
 42 8.4 7.0 10.4
 44 5.3 3.4 5.2#

Manual Integrations
 APPROVED

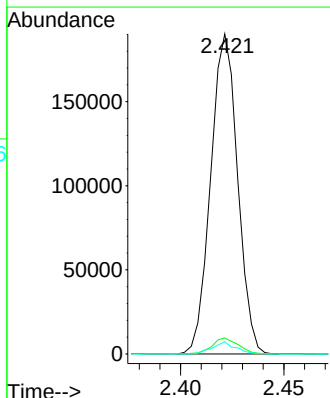
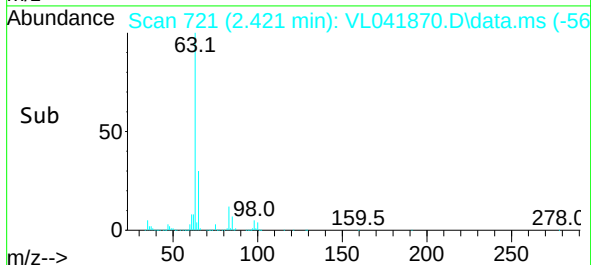
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

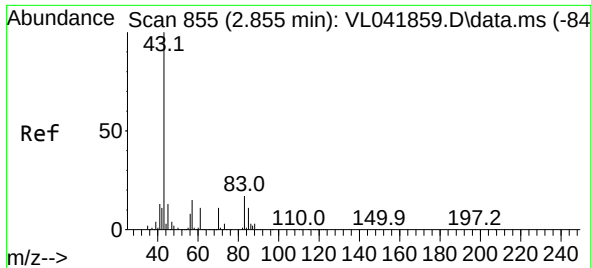


#24
 1,1-Dichloroethane
 Concen: 10.392 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32



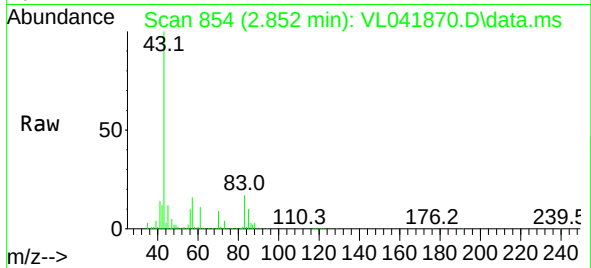
Tgt Ion: 63 Resp: 172510
 Ion Ratio Lower Upper
 63 100
 98 5.0 2.3 6.9
 100 3.8 1.3 3.8#





#25
Ethyl Acetate
Concen: 10.198 ppbv
RT: 2.852 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

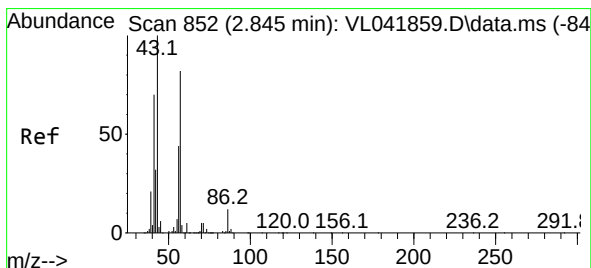
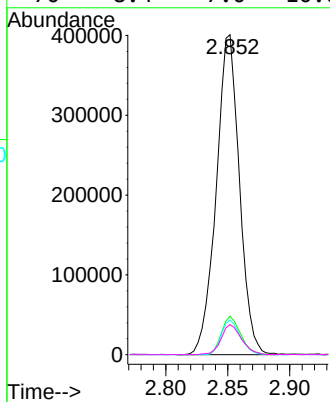
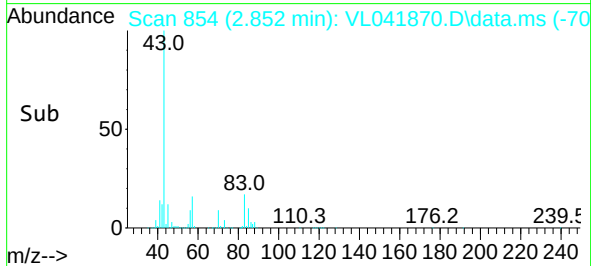
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



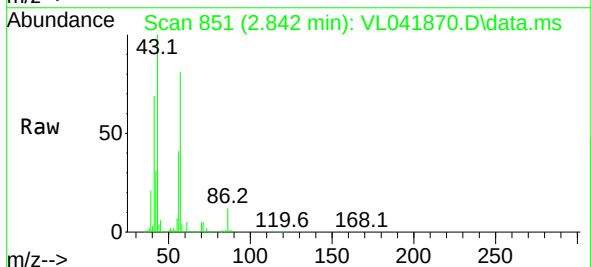
Tgt Ion: 43 Resp: 523764
Ion Ratio Lower Upper
43 100
45 10.0 8.4 12.6
61 9.0 7.3 10.9
70 8.4 7.0 10.6

Manual Integrations
APPROVED

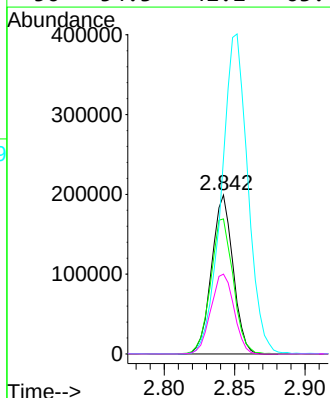
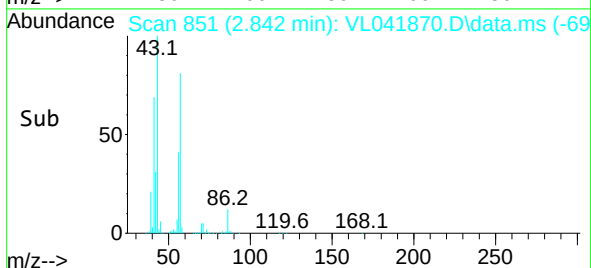
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

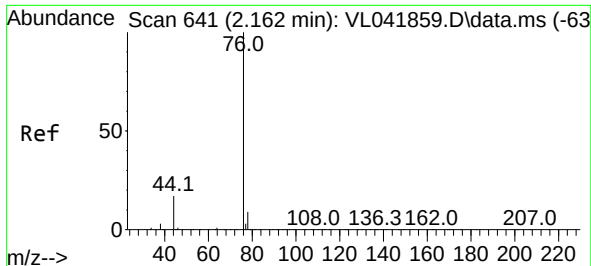


#26
Hexane
Concen: 9.961 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



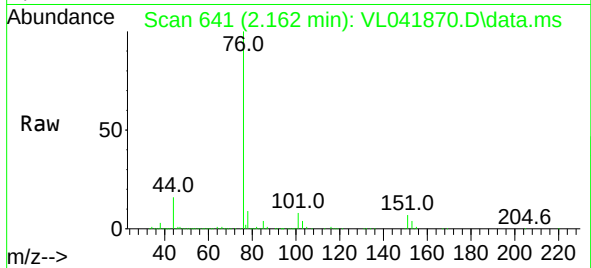
Tgt Ion: 57 Resp: 210453
Ion Ratio Lower Upper
57 100
41 89.6 71.5 107.3
43 249.5 200.2 300.4
56 54.3 42.2 63.4





#27
Carbon Disulfide
Concen: 10.307 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

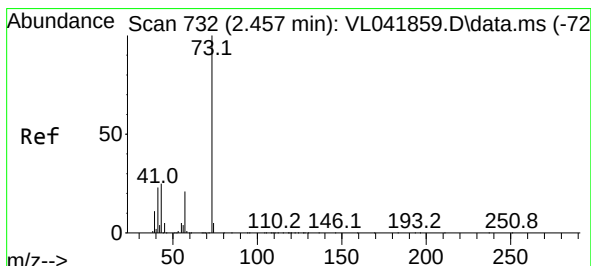
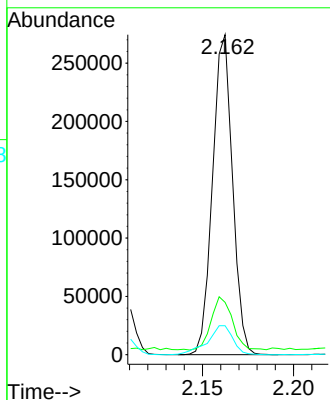
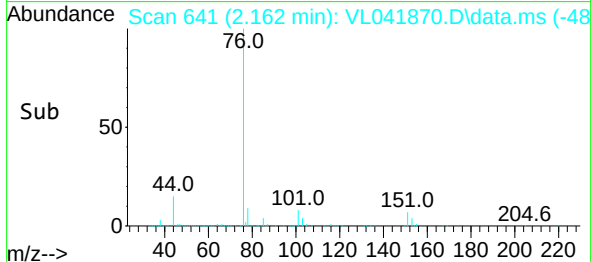
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



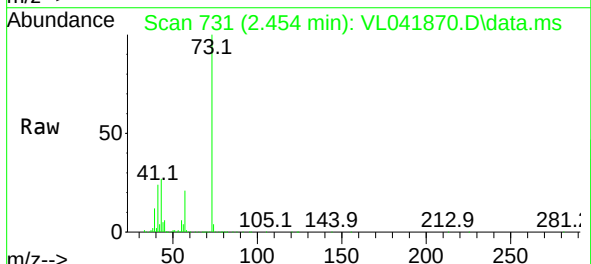
Tgt Ion: 76 Resp: 20858
Ion Ratio Lower Upper
76 100
44 17.0 13.1 19.7
78 11.5 9.5 14.3

Manual Integrations
APPROVED

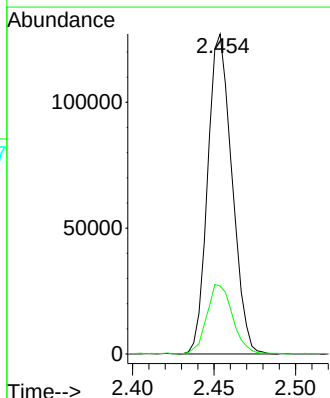
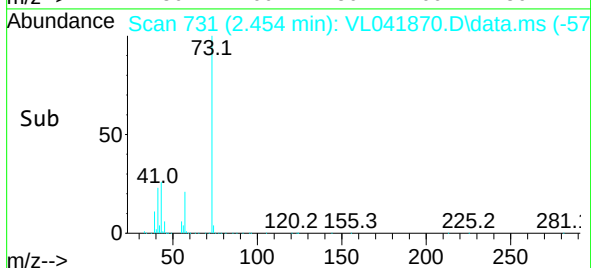
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

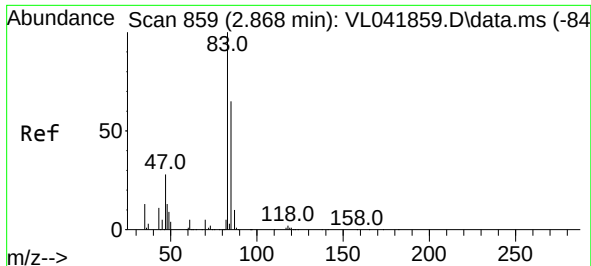


#28
Methyl tert-Butyl Ether
Concen: 8.169 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



Tgt Ion: 73 Resp: 131707
Ion Ratio Lower Upper
73 100
57 23.0 17.5 26.3





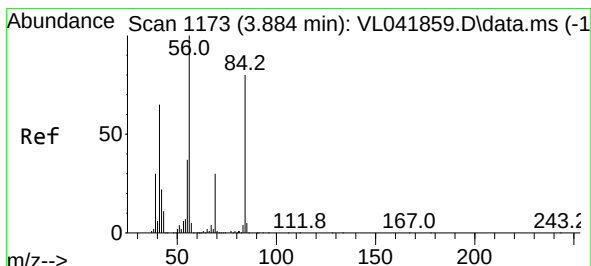
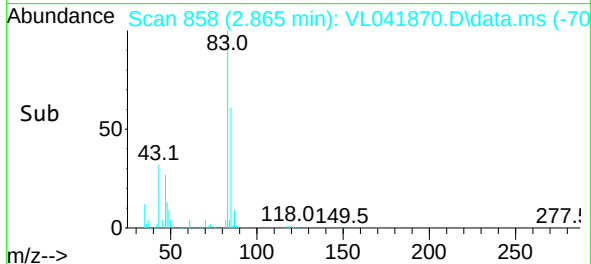
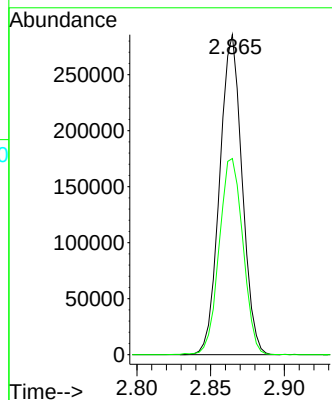
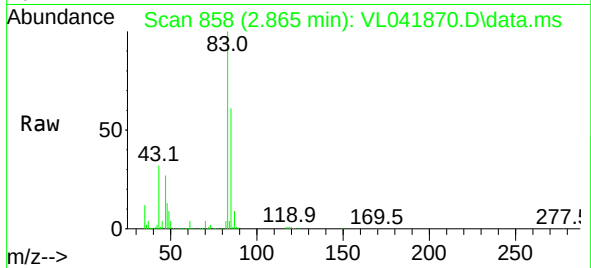
#29
Chloroform
Concen: 10.231 ppbv
RT: 2.865 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

Tgt Ion: 83 Resp: 30244
Ion Ratio Lower Upper
83 100
85 61.3 51.7 77.5

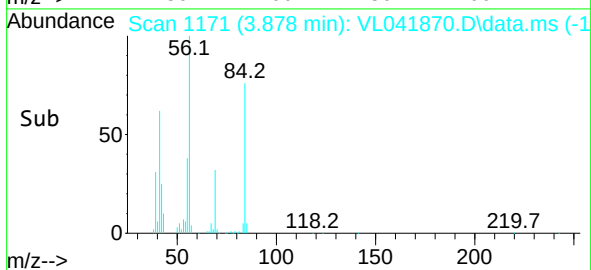
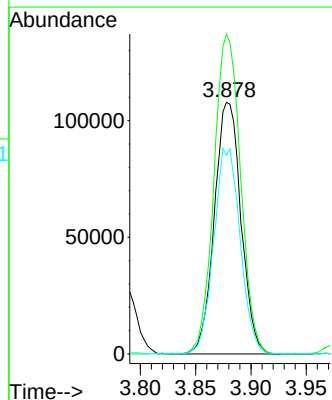
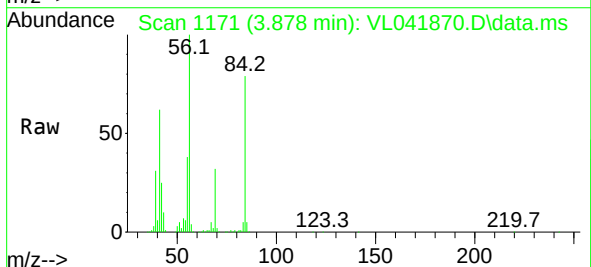
Manual Integrations
APPROVED

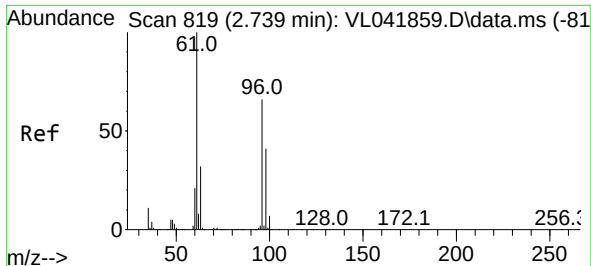
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#30
Cyclohexane
Concen: 9.941 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

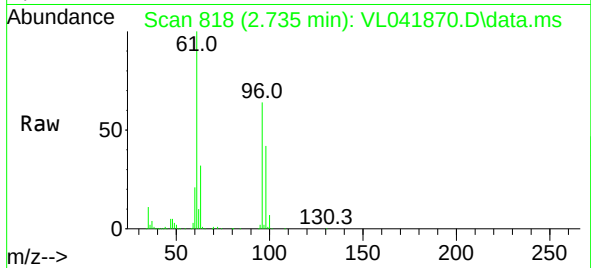
Tgt Ion: 84 Resp: 180360
Ion Ratio Lower Upper
84 100
56 127.1 100.7 151.1
41 81.4 62.8 94.2





#31
cis-1,2-Dichloroethene
Concen: 10.094 ppbv
RT: 2.735 min Scan# 819
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

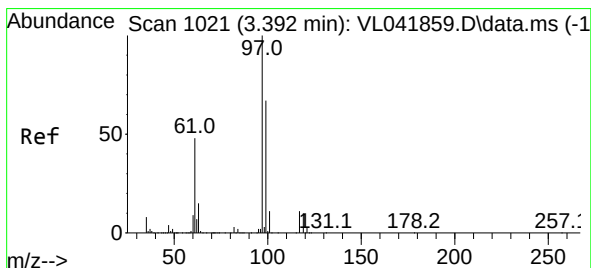
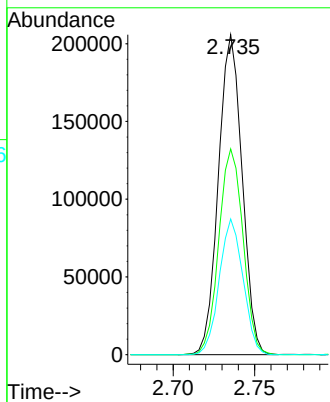
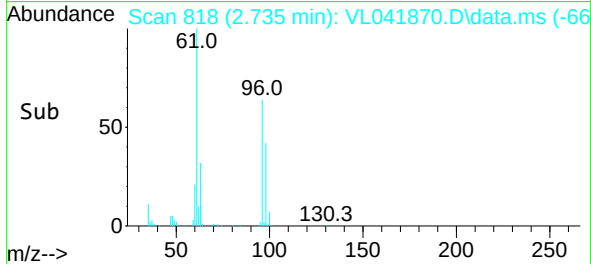
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



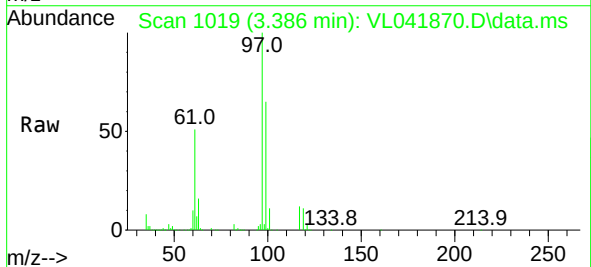
Tgt Ion: 61 Resp: 208408
Ion Ratio Lower Upper
61 100
96 64.3 53.2 79.8
98 42.4 32.5 48.7

Manual Integrations
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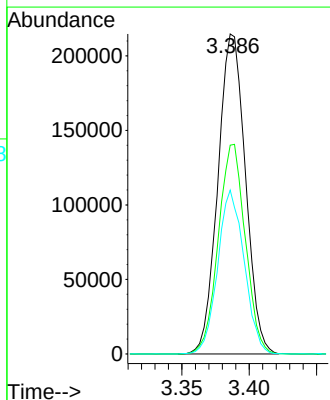
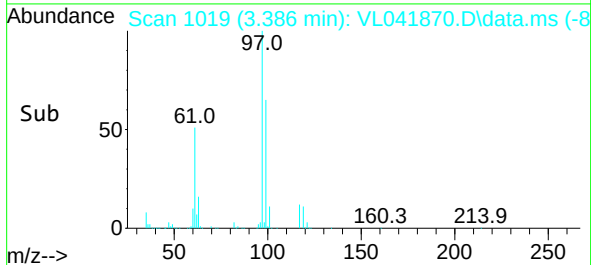
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

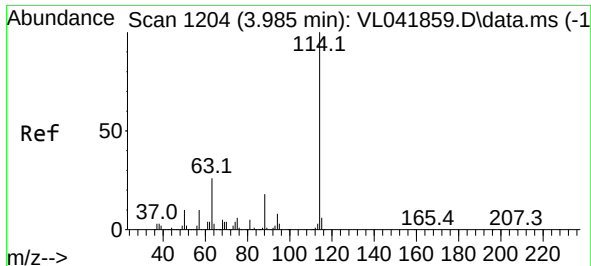


#32
1,1,1-Trichloroethane
Concen: 10.396 ppbv
RT: 3.386 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



Tgt Ion: 97 Resp: 305295
Ion Ratio Lower Upper
97 100
99 64.2 52.0 78.0
61 49.2 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

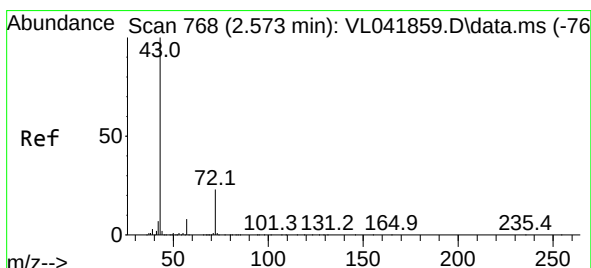
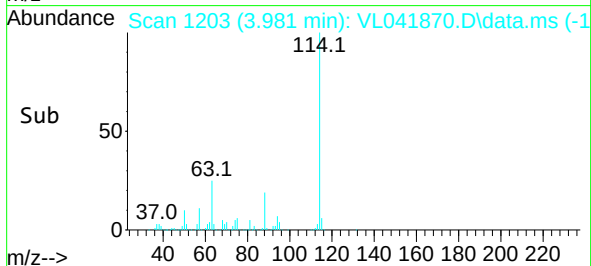
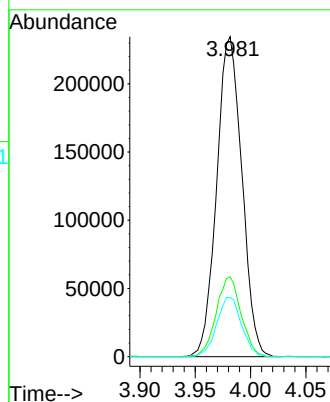
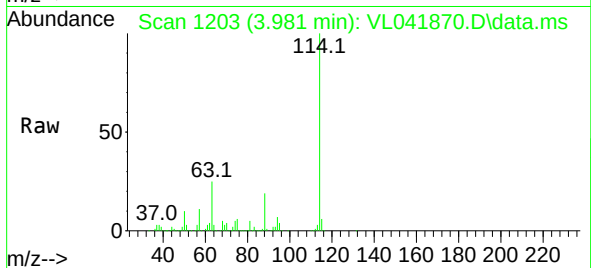
VL0109ABS01

Tgt Ion:	114	Resp:	372014
Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.3	30.5
88	18.2	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 9.747 ppbv

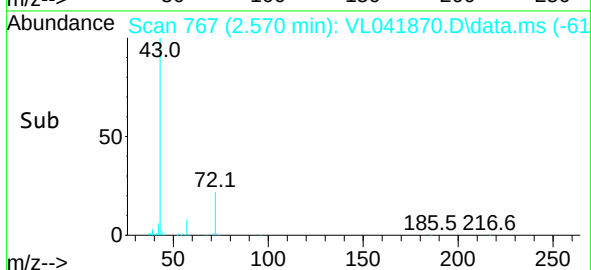
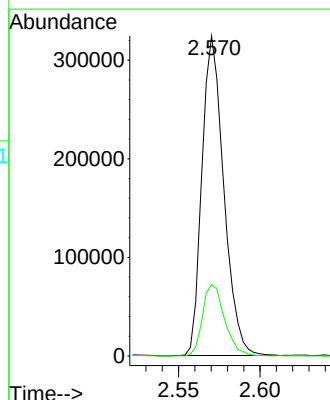
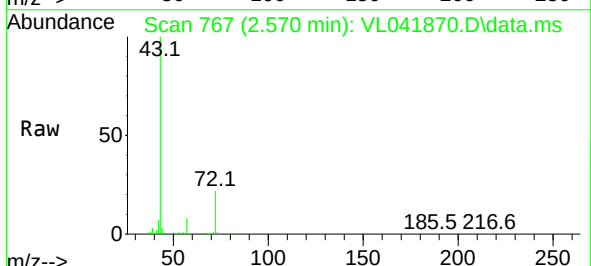
RT: 2.570 min Scan# 767

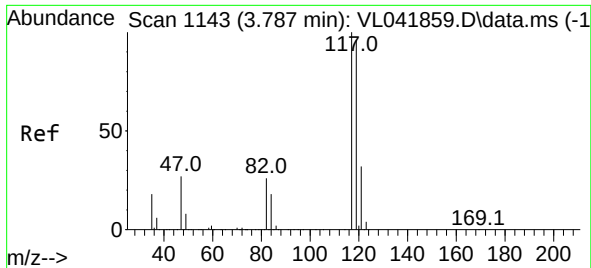
Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

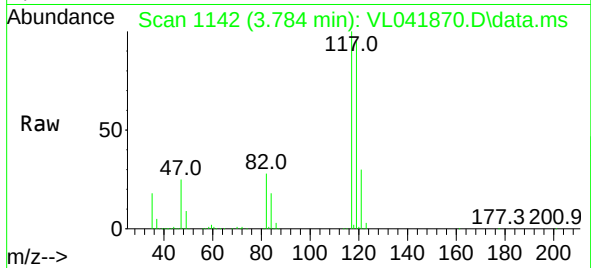
Tgt Ion:	43	Resp:	301434
Ion	Ratio	Lower	Upper
43	100		
72	22.6	18.5	27.7





#35
Carbon Tetrachloride
Concen: 10.385 ppbv
RT: 3.784 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

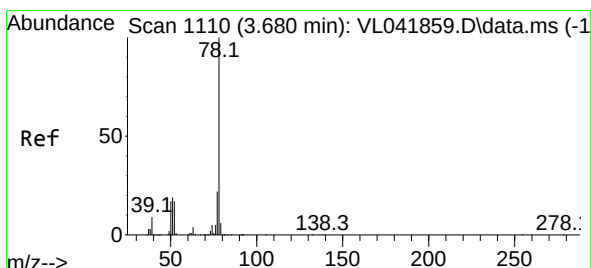
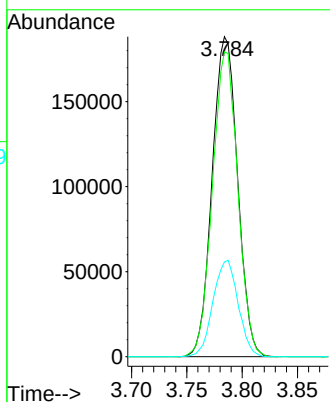
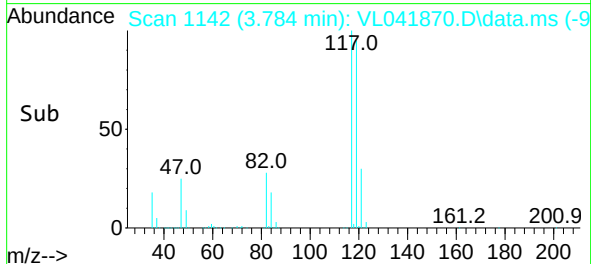
Instrument : MSVOA_L
ClientSampleId : VL0109ABS01



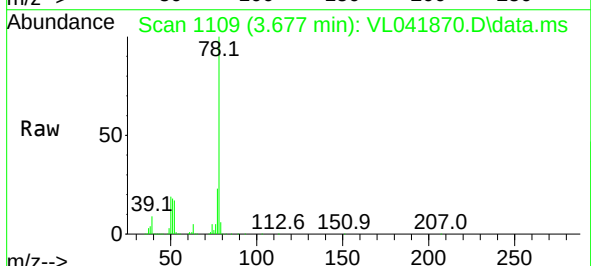
Tgt Ion: 117 Resp: 300238
Ion Ratio Lower Upper
117 100
119 95.2 76.9 115.3
121 29.6 25.9 38.9

Manual Integrations
APPROVED

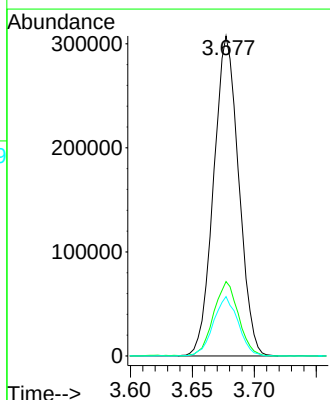
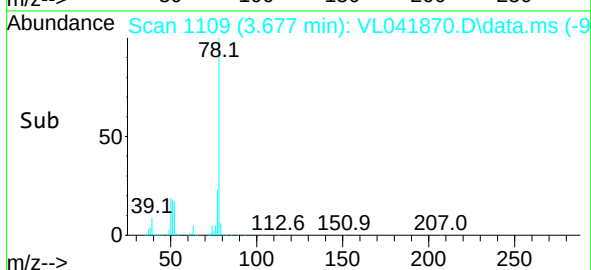
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

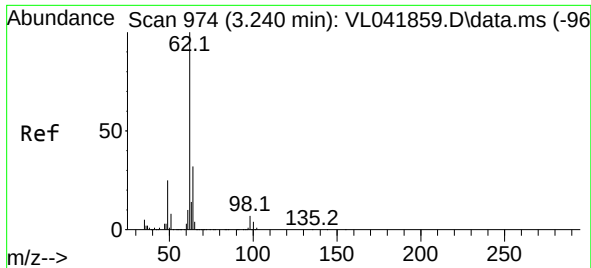


#36
Benzene
Concen: 10.046 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



Tgt Ion: 78 Resp: 433563
Ion Ratio Lower Upper
78 100
77 23.2 17.9 26.9
50 18.5 13.7 20.5





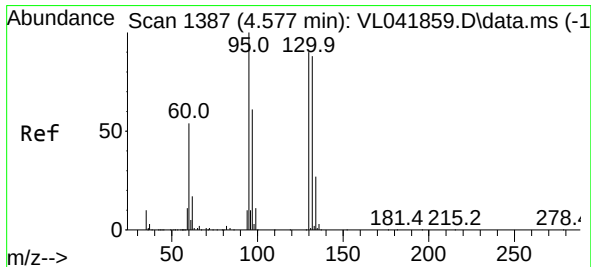
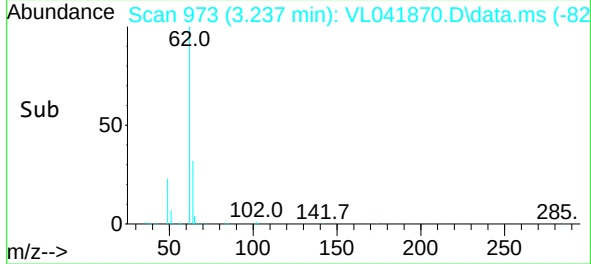
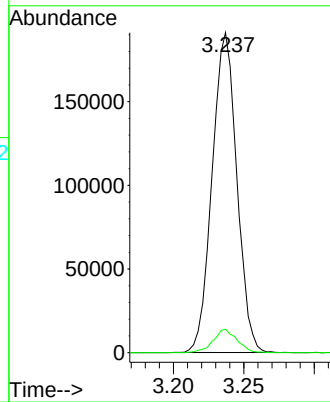
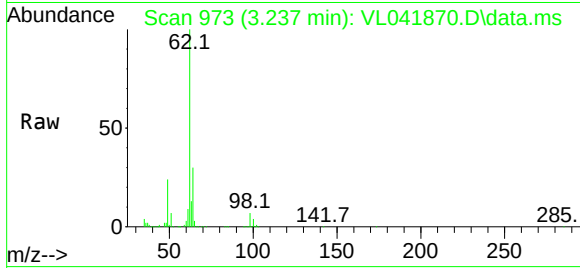
#37
1,2-Dichloroethane
Concen: 10.302 ppbv
RT: 3.237 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

Tgt Ion: 62 Resp: 23326
Ion Ratio Lower Upper
62 100
98 7.1 5.6 8.4

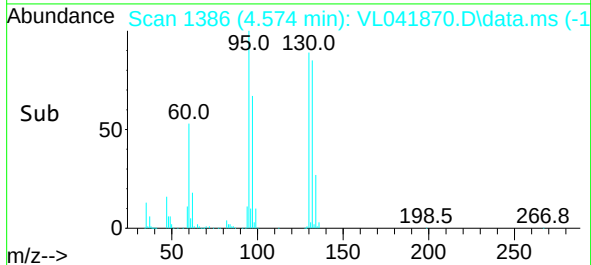
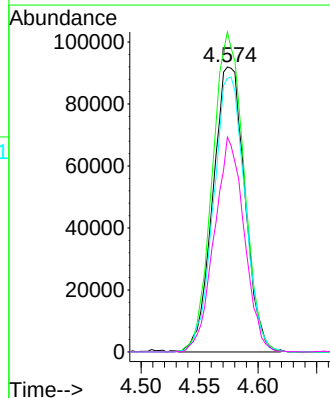
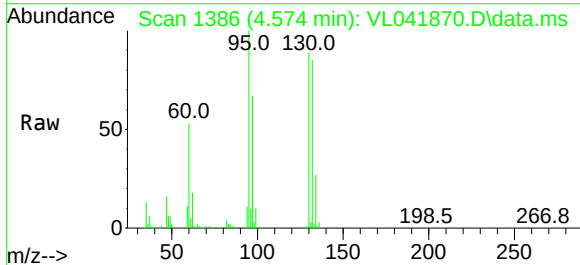
Manual Integrations
APPROVED

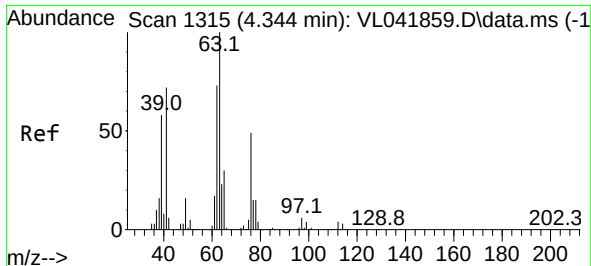
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#38
Trichloroethene
Concen: 10.231 ppbv m
RT: 4.574 min Scan# 1386
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion:130 Resp: 174343
Ion Ratio Lower Upper
130 100
95 112.3 88.5 132.7
132 96.0 78.2 117.2
97 75.4 54.2 81.2





#39

1,2-Dichloropropane

Concen: 9.943 ppbv

RT: 4.337 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VL041870.D

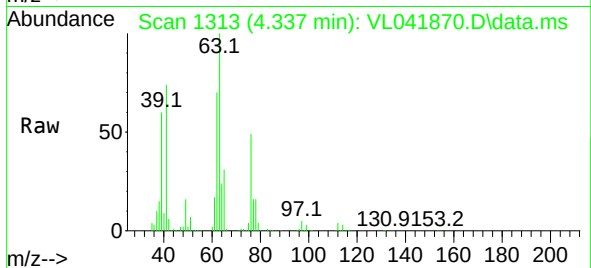
Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

VL0109ABS01



Tgt Ion: 63 Resp: 152640

Ion Ratio Lower Upper

63 100

41 74.1 58.0 87.0

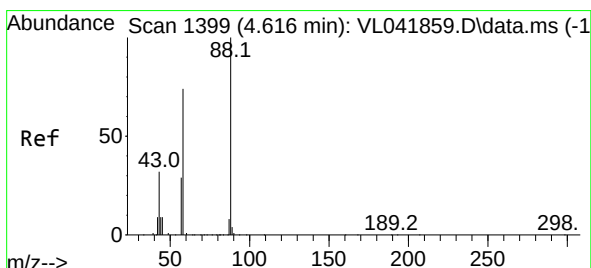
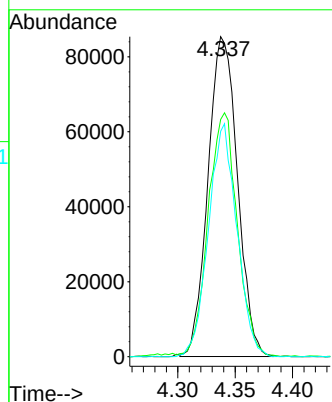
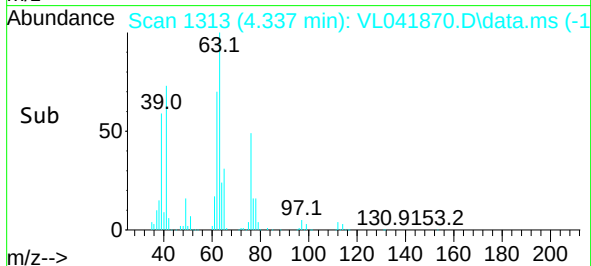
62 70.5 58.6 87.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#40

1,4-Dioxane

Concen: 8.979 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Tgt Ion: 88 Resp: 69319

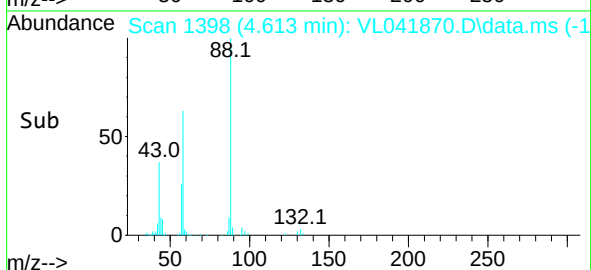
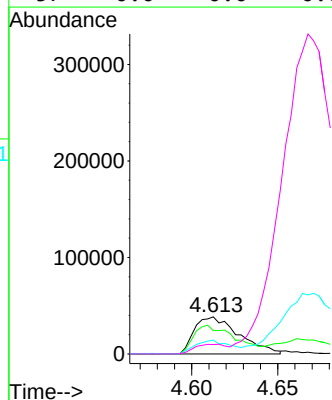
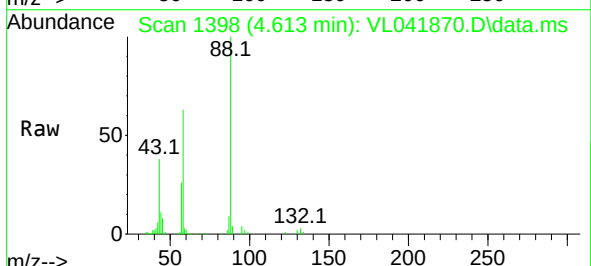
Ion Ratio Lower Upper

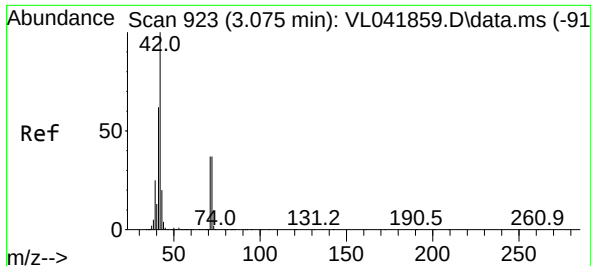
88 100

58 76.0 52.2 78.4

43 0.0 0.0 0.0

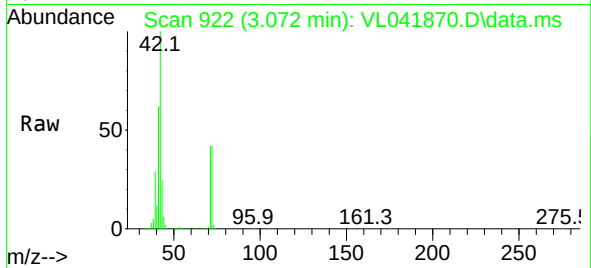
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 9.340 ppbv
RT: 3.072 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

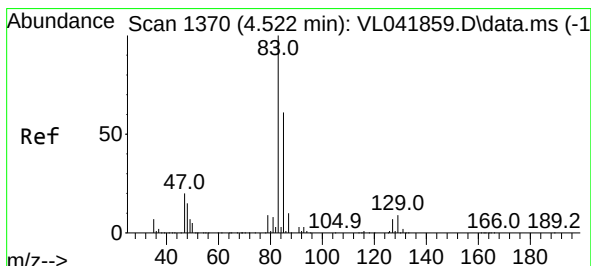
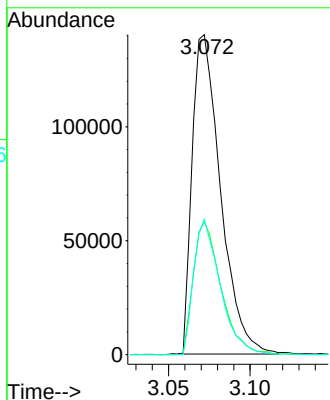
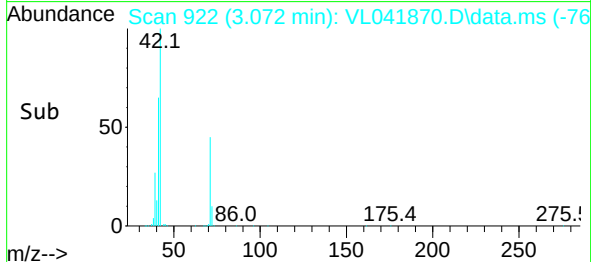
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



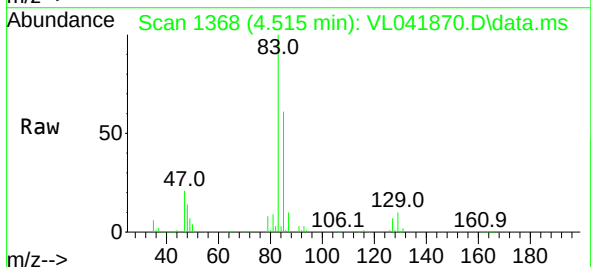
Tgt Ion: 42 Resp: 169639
Ion Ratio Lower Upper
42 100
72 40.5 30.8 46.2
71 39.8 30.1 45.1

Manual Integrations
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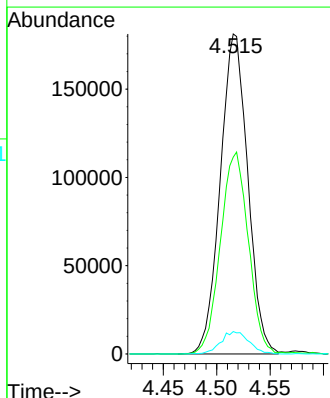
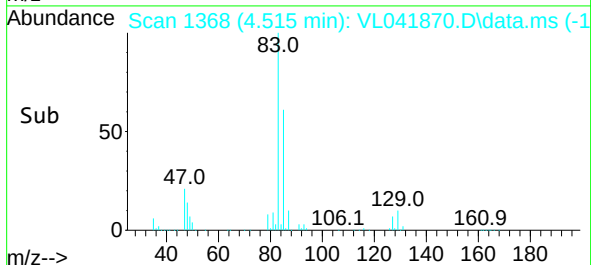
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

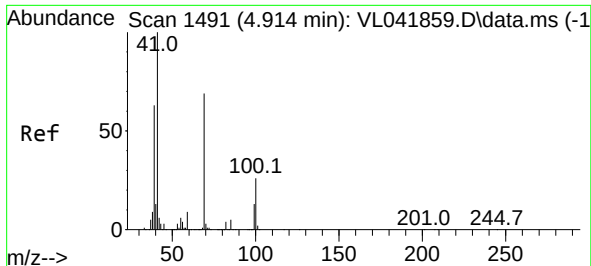


#42
Bromodichloromethane
Concen: 10.429 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



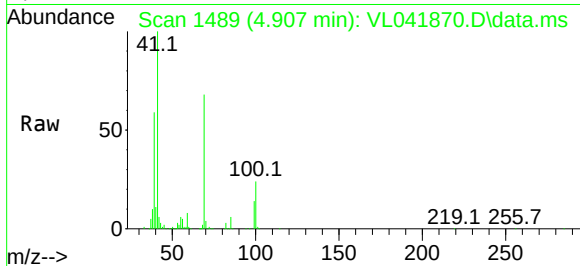
Tgt Ion: 83 Resp: 324422
Ion Ratio Lower Upper
83 100
85 61.5 48.9 73.3
127 7.0 5.4 8.2





#43
Methyl Methacrylate
Concen: 9.930 ppbv
RT: 4.907 min Scan# 1491
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

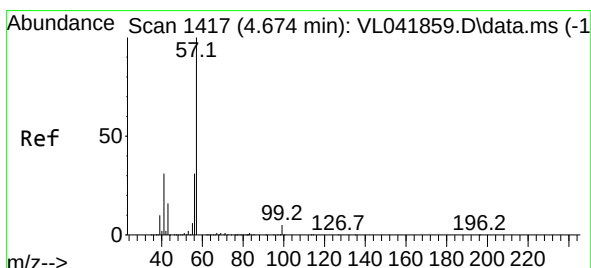
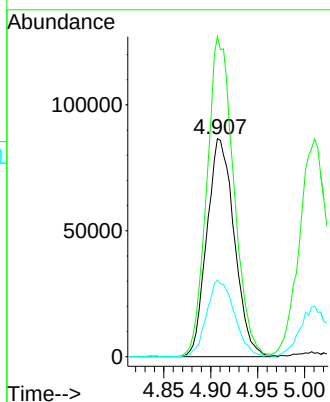
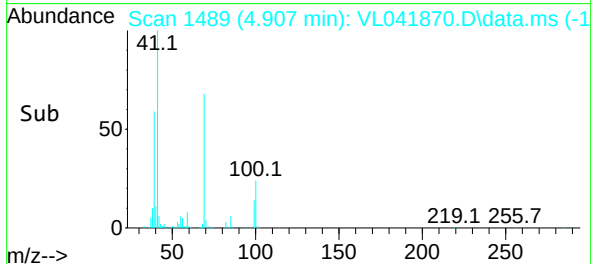
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



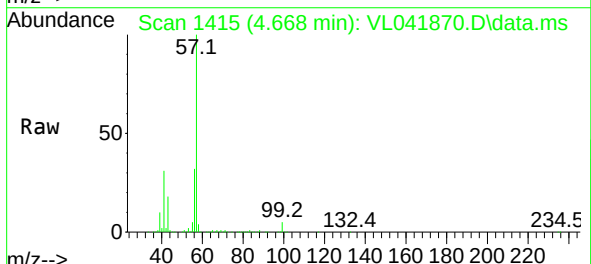
Tgt Ion: 69 Resp: 17550
Ion Ratio Lower Upper
69 100
41 144.1 116.2 174.4
100 35.6 29.8 44.8

Manual Integrations
APPROVED

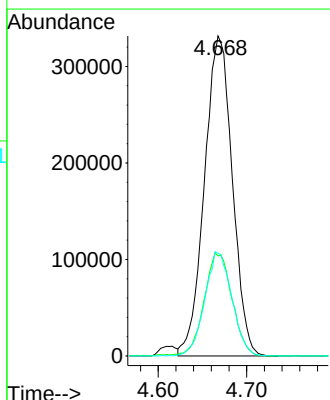
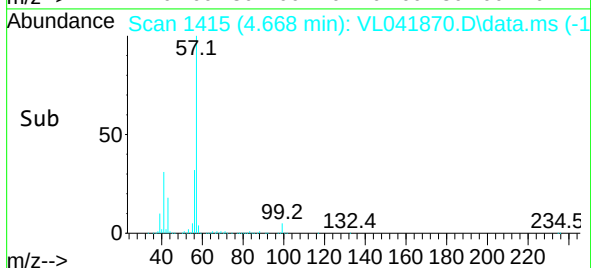
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

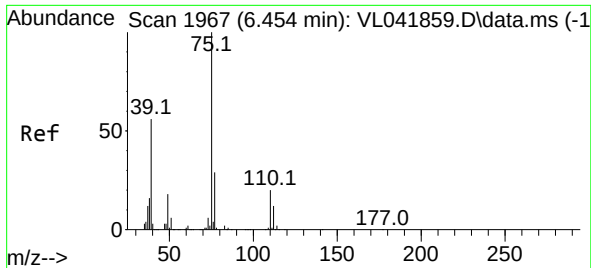


#44
2,2,4-Trimethylpentane
Concen: 9.954 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



Tgt Ion: 57 Resp: 725640
Ion Ratio Lower Upper
57 100
41 32.6 25.5 38.3
56 31.7 25.6 38.4





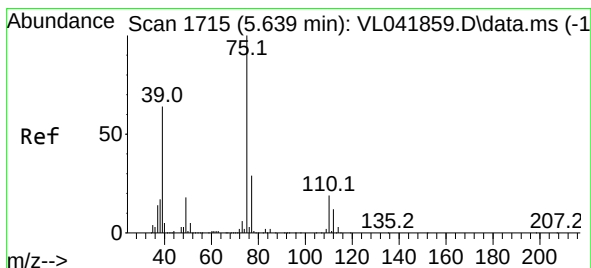
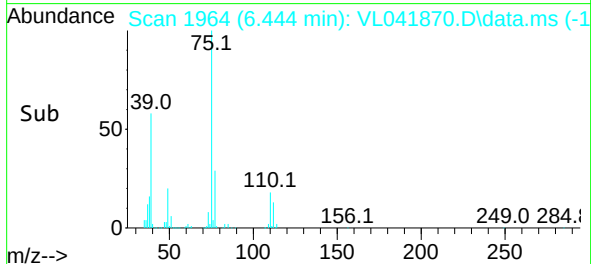
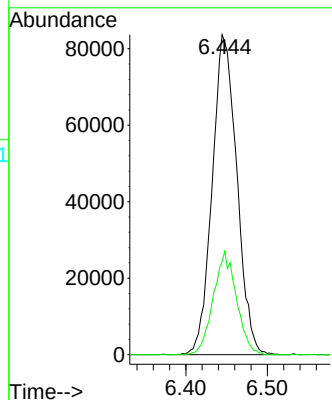
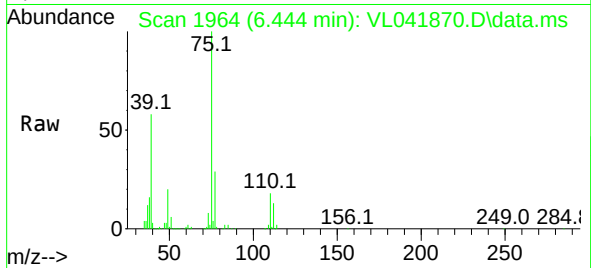
#45
t-1,3-Dichloropropene
Concen: 9.722 ppbv
RT: 6.444 min Scan# 1964
Delta R.T. -0.010 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Instrument : MSVOA_L
ClientSampleId : VL0109ABS01

Tgt Ion: 75 Resp: 17585
Ion Ratio Lower Upper
75 100
77 29.2 23.4 35.2

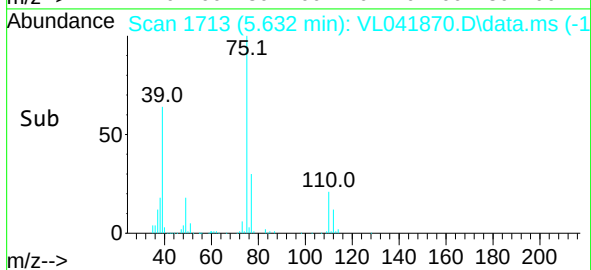
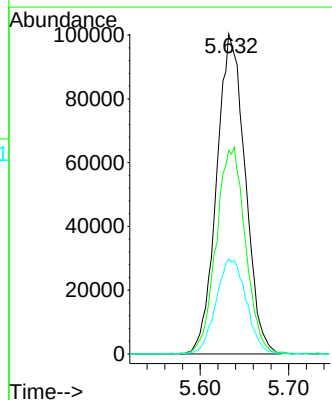
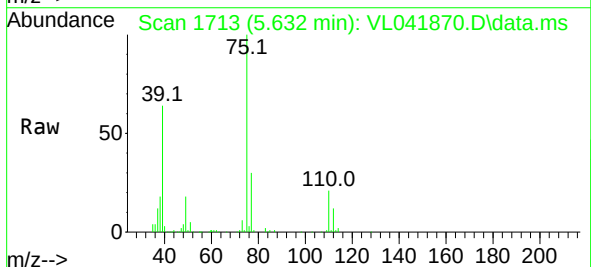
Manual Integrations
APPROVED

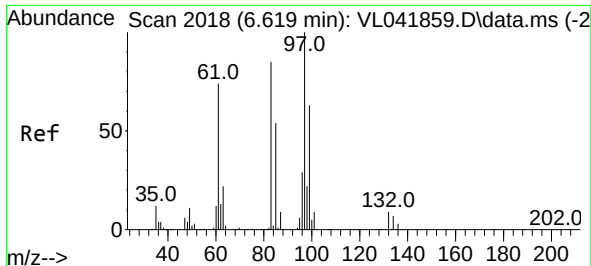
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#46
cis-1,3-Dichloropropene
Concen: 9.688 ppbv
RT: 5.632 min Scan# 1713
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

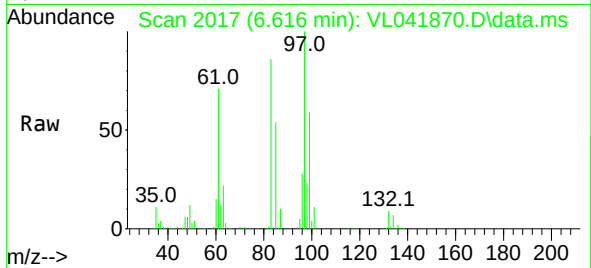
Tgt Ion: 75 Resp: 224860
Ion Ratio Lower Upper
75 100
39 63.4 51.4 77.2
77 29.7 23.0 34.4





#47
1,1,2-Trichloroethane
Concen: 10.013 ppbv
RT: 6.616 min Scan# 2017
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

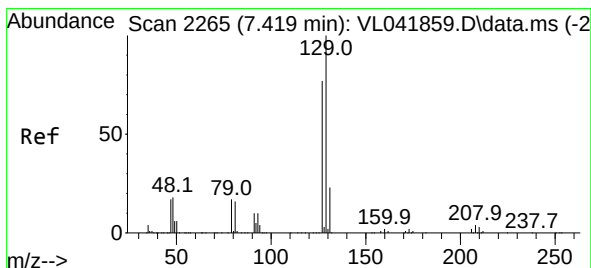
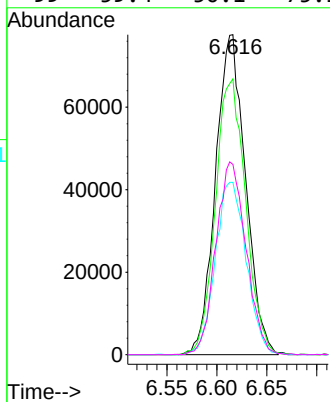
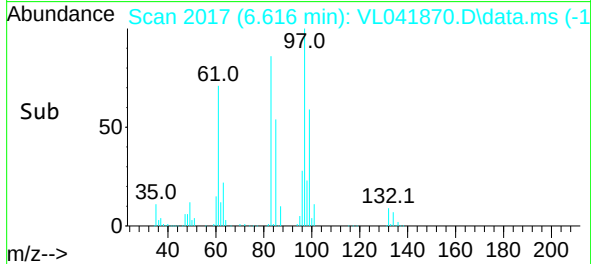
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



Tgt Ion: 97 Resp: 161735
Ion Ratio Lower Upper
97 100
83 86.1 68.1 102.1
85 53.9 43.4 65.2
99 59.4 50.1 75.1

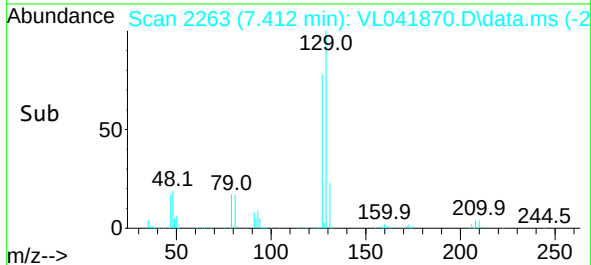
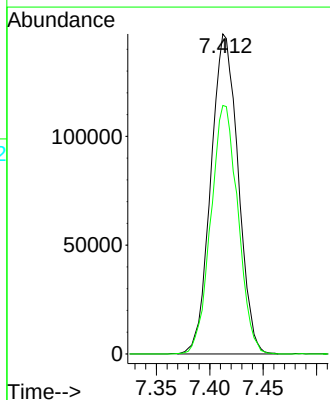
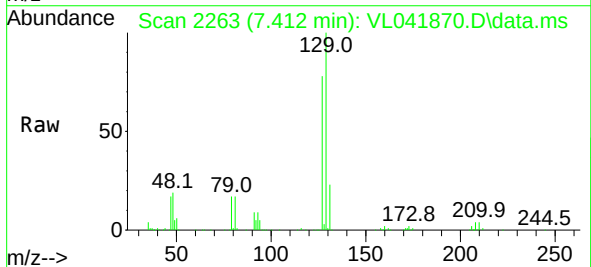
Manual Integrations
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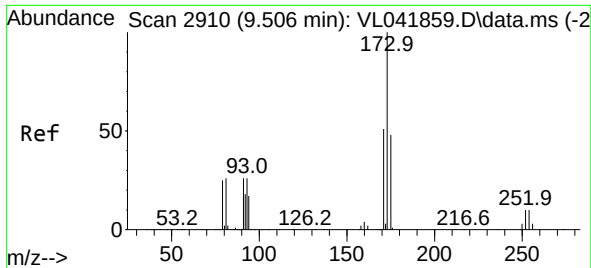
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#48
Dibromochloromethane
Concen: 10.656 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion:129 Resp: 261021
Ion Ratio Lower Upper
129 100
127 77.2 39.4 118.1





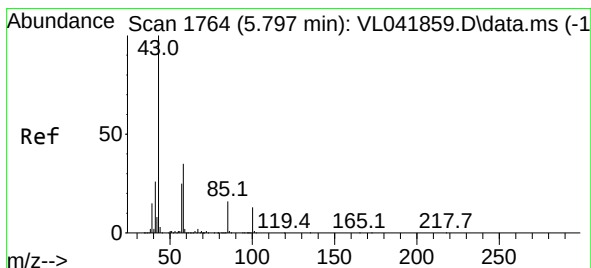
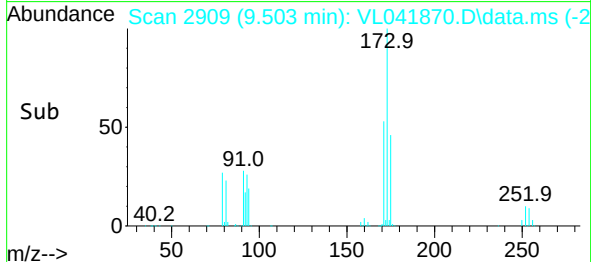
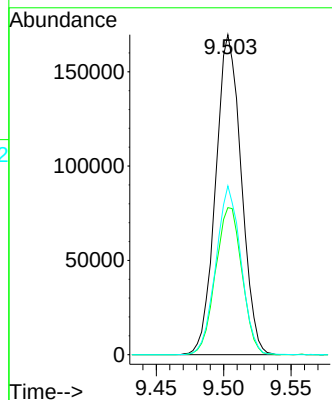
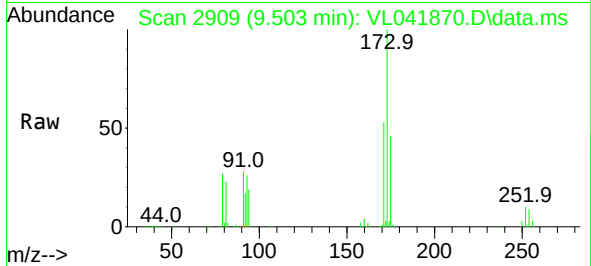
#49
Bromoform
Concen: 10.502 ppbv
RT: 9.503 min Scan# 2910
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

Tgt Ion:173 Resp: 22450
Ion Ratio Lower Upper
173 100
175 47.5 38.2 57.2
171 51.6 41.3 61.9

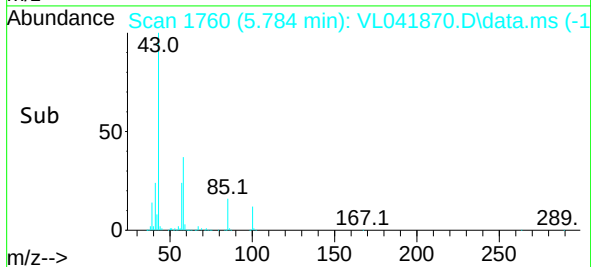
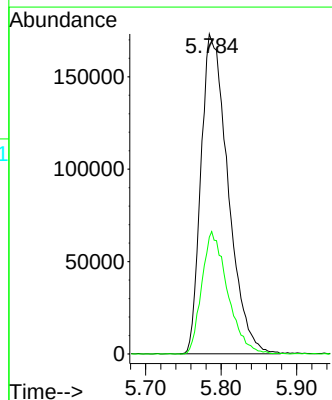
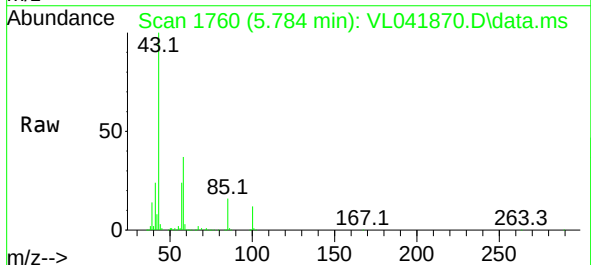
Manual Integrations
APPROVED

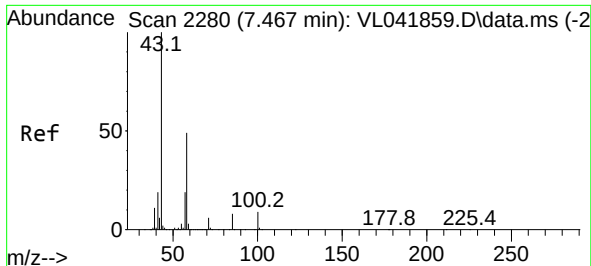
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#50
4-Methyl-2-Pentanone
Concen: 9.735 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. -0.013 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

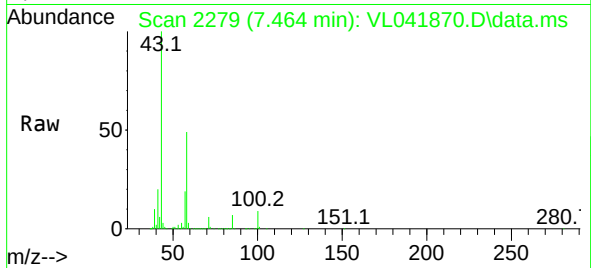
Tgt Ion: 43 Resp: 429608
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.2





#51
2-Hexanone
Concen: 9.606 ppbv
RT: 7.464 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

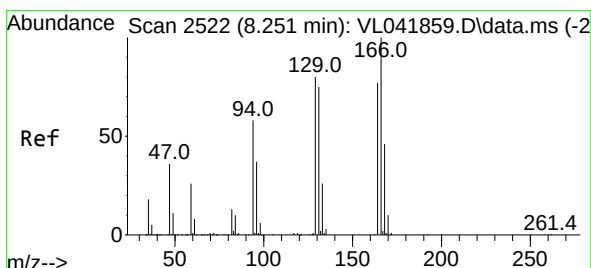
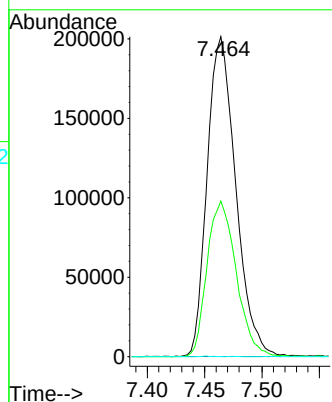
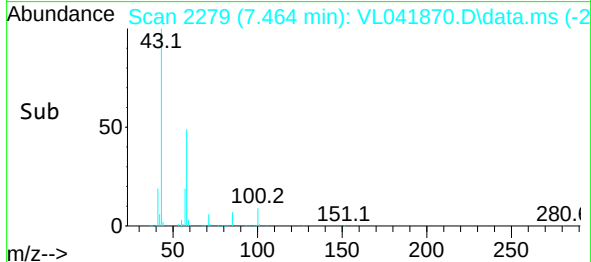
Instrument : MSVOA_L
ClientSampleId : VL0109ABS01



Tgt Ion: 43 Resp: 34868
Ion Ratio Lower Upper
43 100
58 50.0 40.0 60.0
98 0.1 0.1 0.1

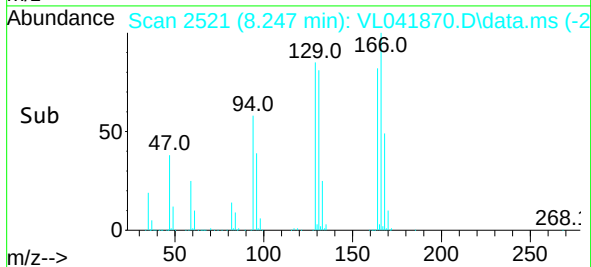
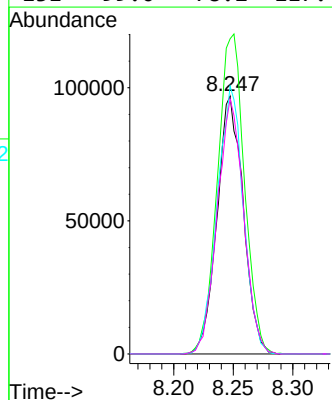
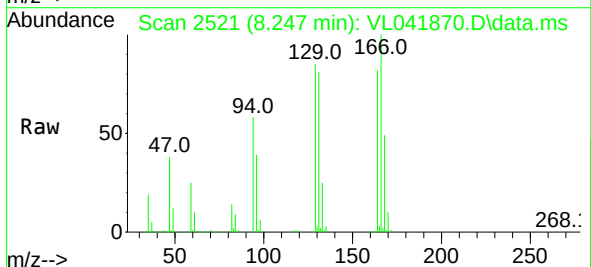
Manual Integrations
APPROVED

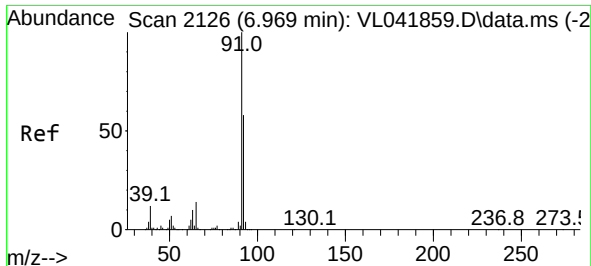
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#52
Tetrachloroethene
Concen: 8.949 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion:164 Resp: 147986
Ion Ratio Lower Upper
164 100
166 122.3 103.6 155.4
129 103.9 82.6 123.8
131 99.0 78.2 117.4





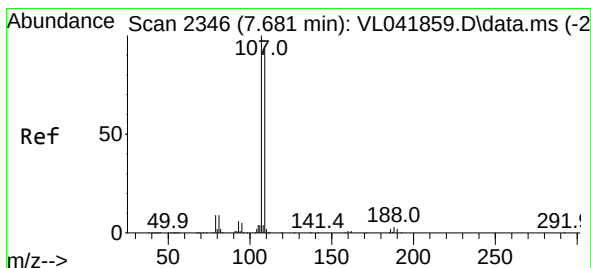
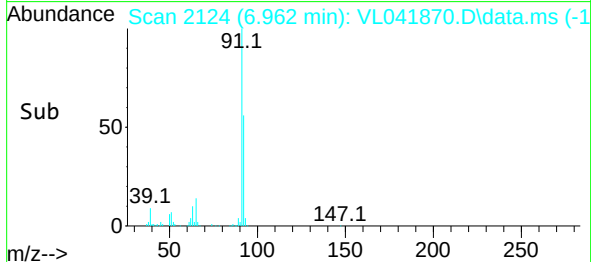
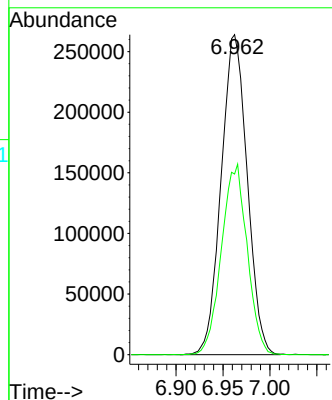
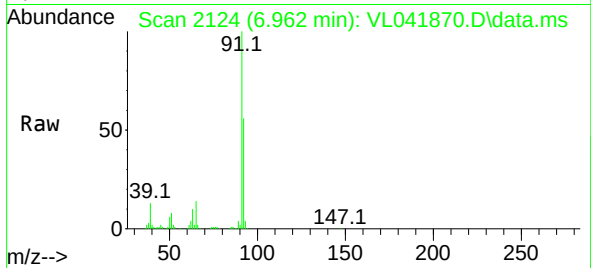
#53
Toluene
Concen: 9.913 ppbv
RT: 6.962 min Scan# 2126
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

Tgt Ion: 91 Resp: 508818
Ion Ratio Lower Upper
91 100
92 58.9 47.2 70.8

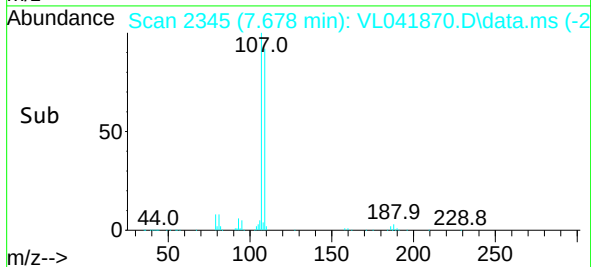
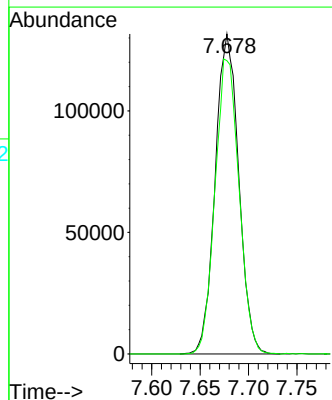
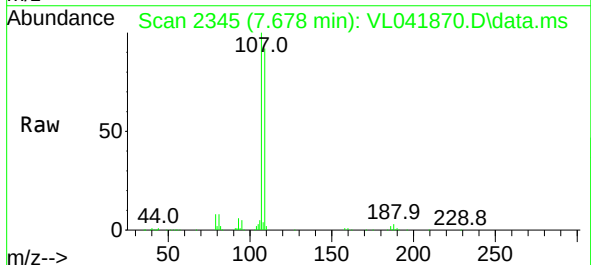
Manual Integrations
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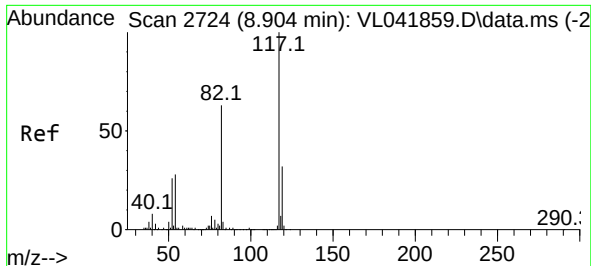
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#54
1,2-Dibromoethane
Concen: 10.109 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion:107 Resp: 222055
Ion Ratio Lower Upper
107 100
109 91.6 74.6 112.0





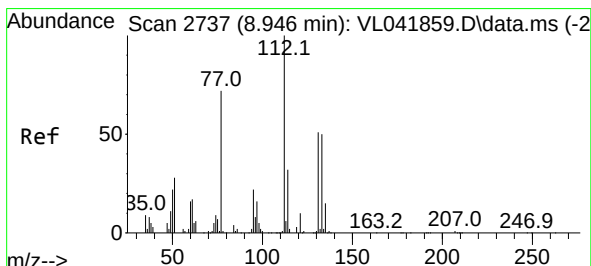
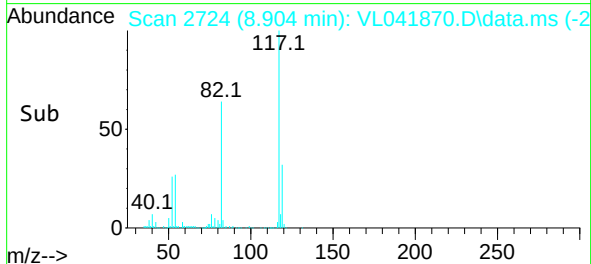
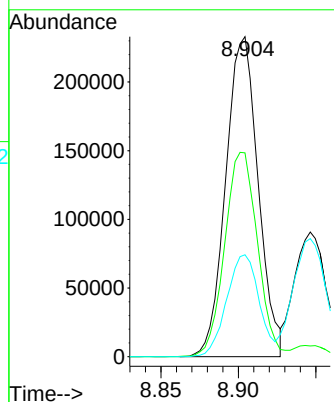
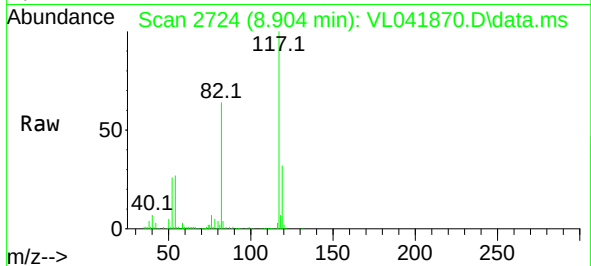
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

Tgt Ion:117 Resp: 34008
Ion Ratio Lower Upper
117 100
82 68.0 54.5 81.7
119 31.2 24.6 37.0

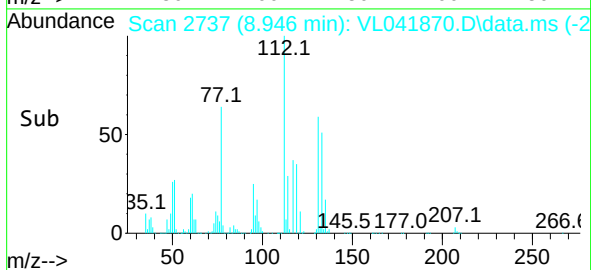
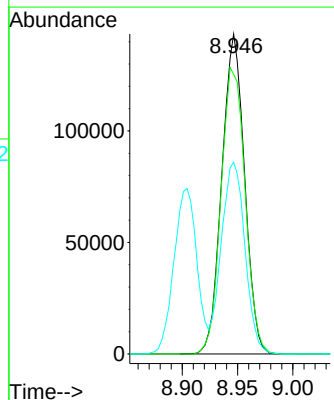
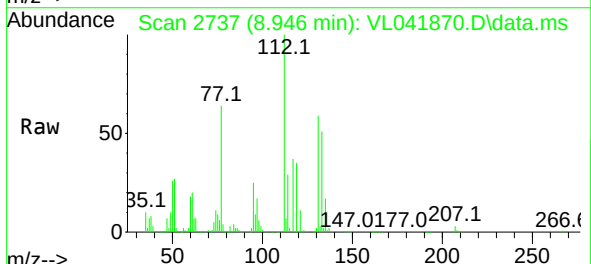
Manual Integrations
APPROVED

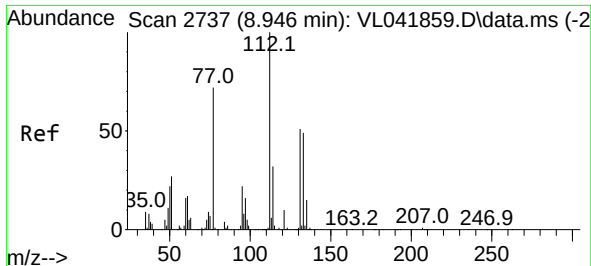
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 10.083 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

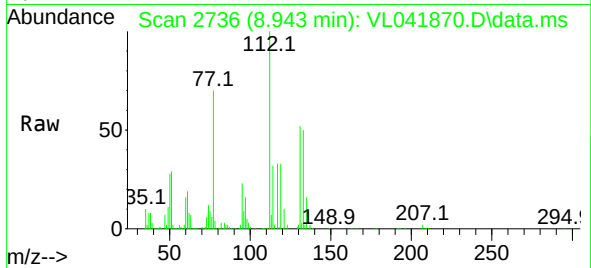
Tgt Ion:131 Resp: 204382
Ion Ratio Lower Upper
131 100
133 95.0 77.4 116.2
119 62.5 49.4 74.0





#57
Chlorobenzene
Concen: 9.875 ppbv
RT: 8.943 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

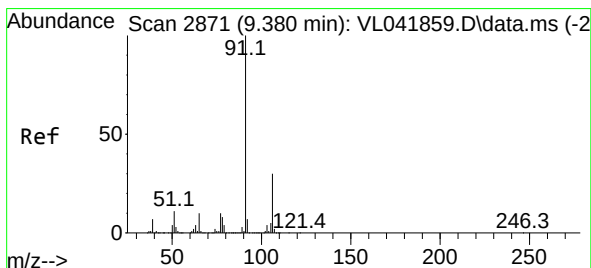
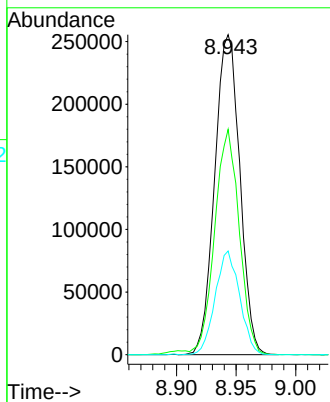
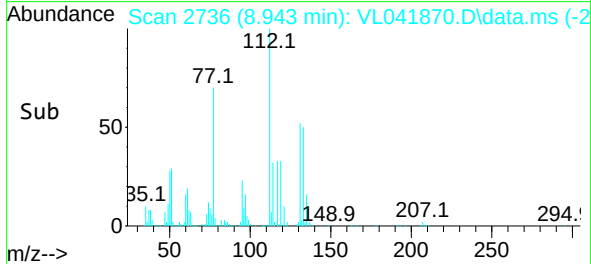
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



Tgt Ion:112 Resp: 374449
Ion Ratio Lower Upper
112 100
77 70.4 58.3 87.5
114 32.4 28.9 35.3

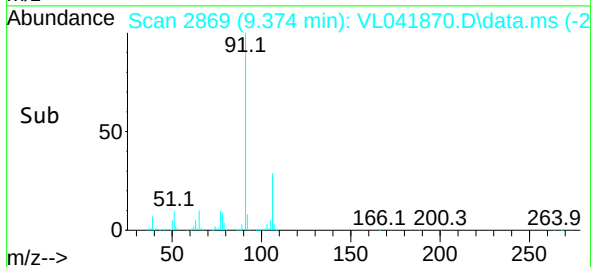
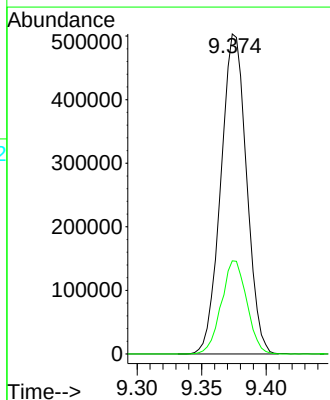
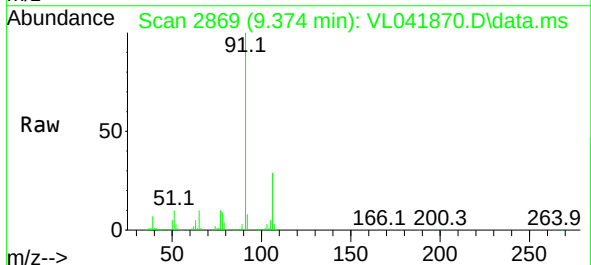
Manual Integrations
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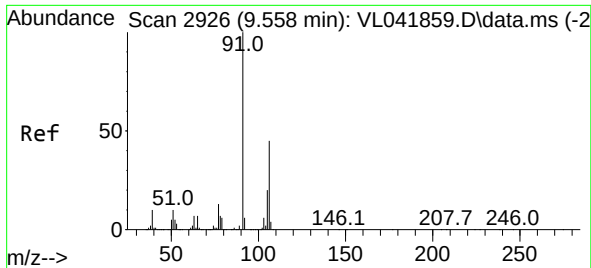
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#58
Ethyl Benzene
Concen: 9.977 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 91 Resp: 697634
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.2





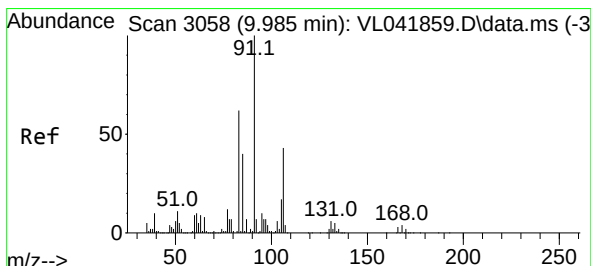
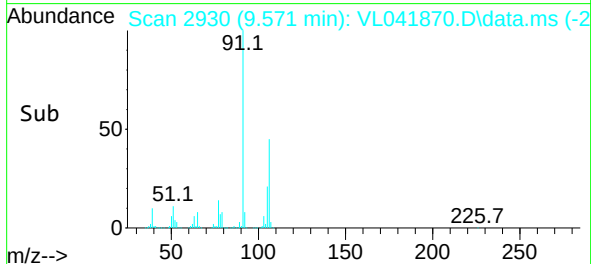
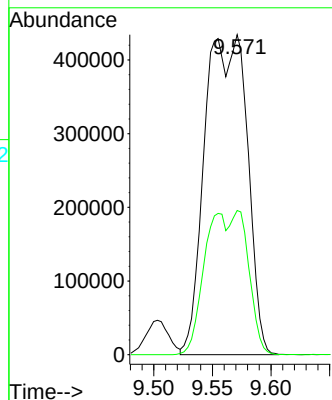
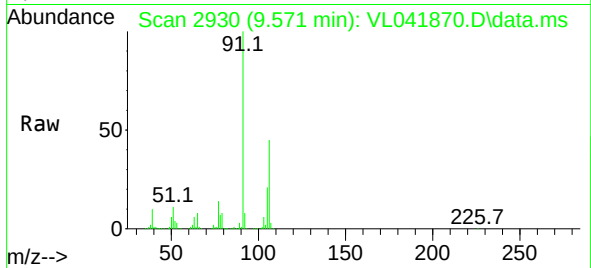
#59
m/p-Xylene
Concen: 19.809 ppbv m
RT: 9.571 min Scan# 2926
Delta R.T. 0.013 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

Tgt Ion: 91 Resp: 1094652
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

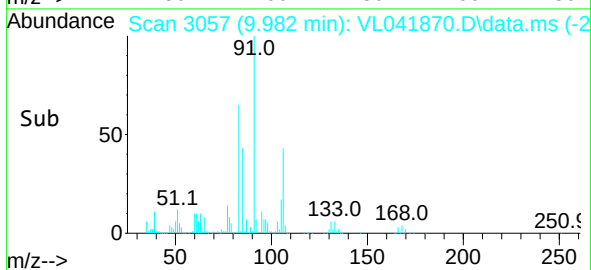
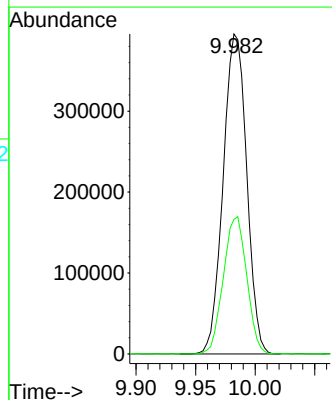
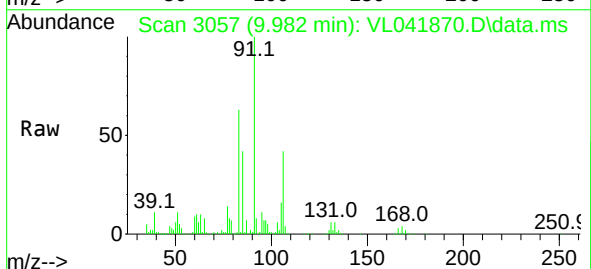
Manual Integrations
APPROVED

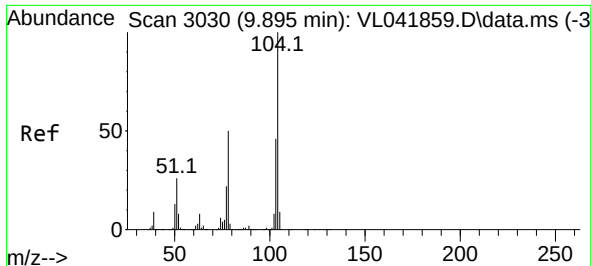
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#60
o-Xylene
Concen: 9.850 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

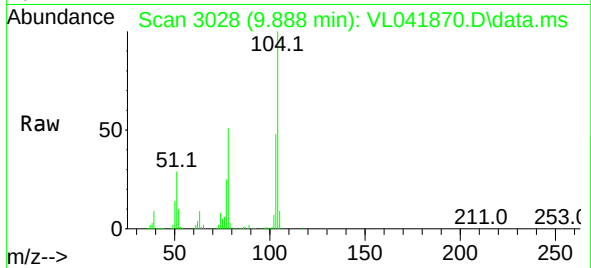
Tgt Ion: 91 Resp: 542913
Ion Ratio Lower Upper
91 100
106 42.6 21.4 64.3





#61
Styrene
Concen: 9.826 ppbv
RT: 9.888 min Scan# 3030
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

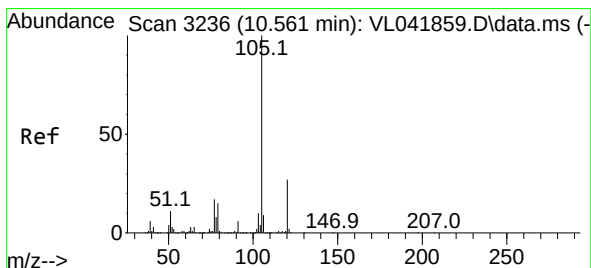
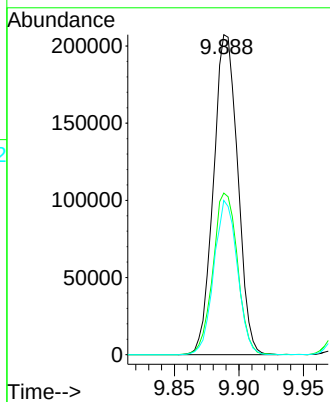
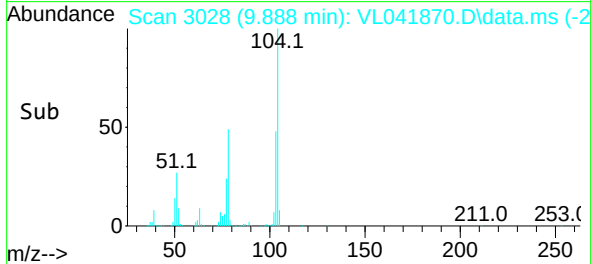
Instrument : MSVOA_L
ClientSampleId : VL0109ABS01



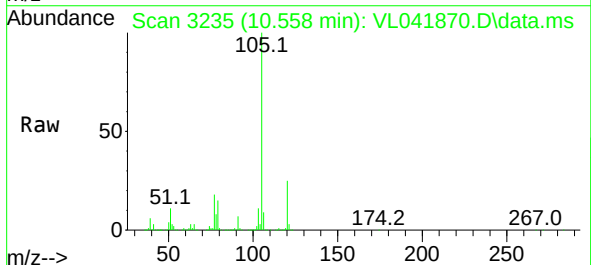
Tgt Ion:104 Resp: 270452
Ion Ratio Lower Upper
104 100
78 51.2 40.7 61.1
103 46.8 37.0 55.6

Manual Integrations
APPROVED

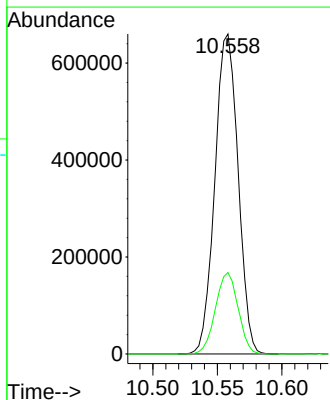
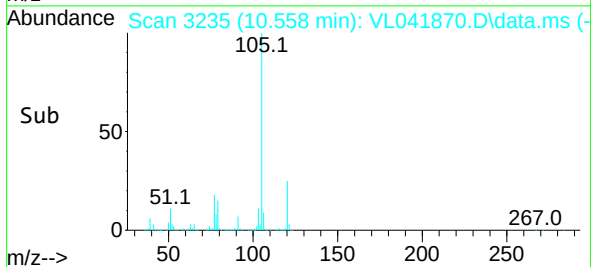
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

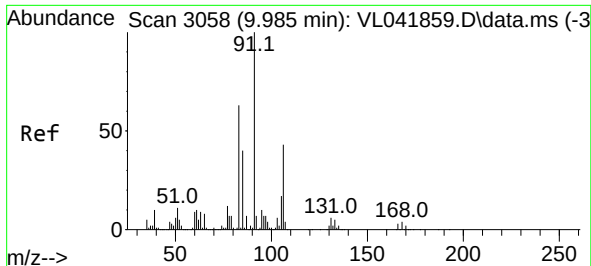


#62
Isopropylbenzene
Concen: 9.926 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



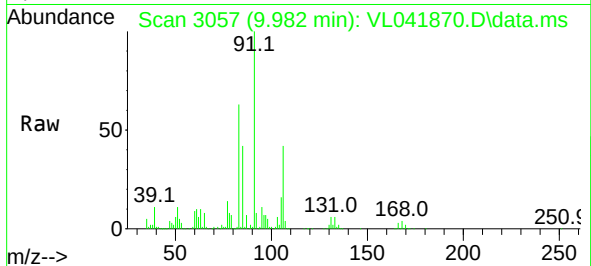
Tgt Ion:105 Resp: 823744
Ion Ratio Lower Upper
105 100
120 24.8 20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 9.668 ppbv
RT: 9.982 min Scan# 3058
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

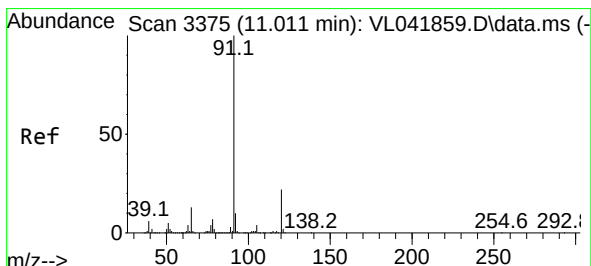
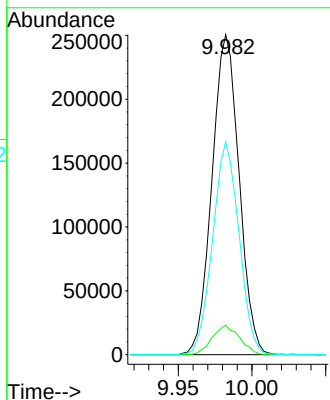
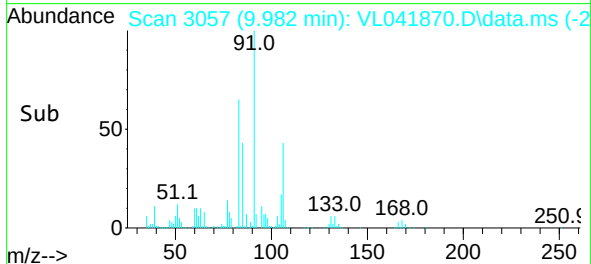
Instrument : MSVOA_L
ClientSampleId : VL0109ABS01



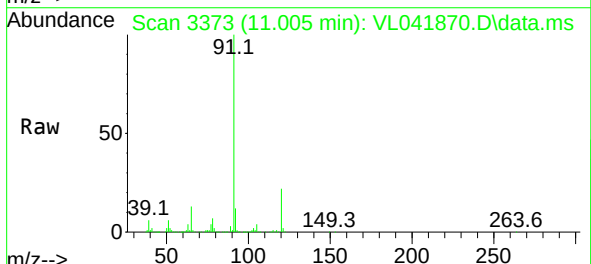
Tgt Ion: 83 Resp: 320068
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.3
85 64.8 32.1 96.3

Manual Integrations
APPROVED

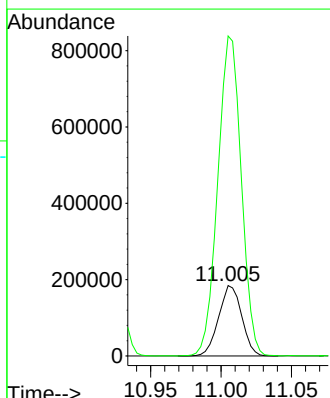
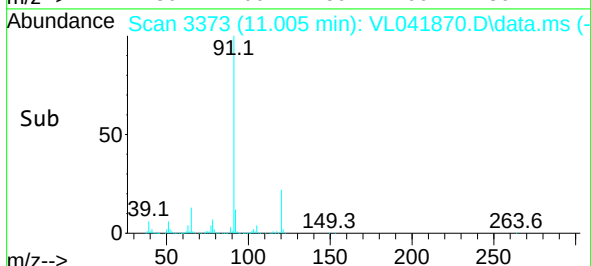
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

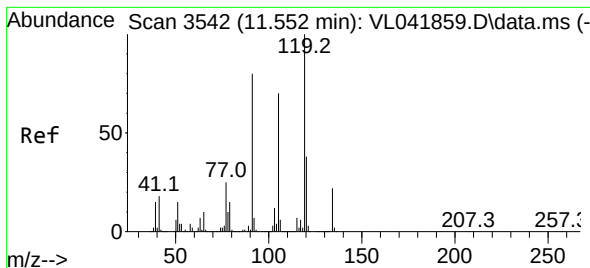


#64
n-propylbenzene
Concen: 9.719 ppbv
RT: 11.005 min Scan# 3373
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



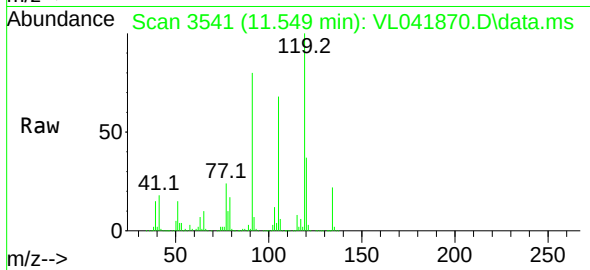
Tgt Ion:120 Resp: 210154
Ion Ratio Lower Upper
120 100
91 463.6 376.9 565.3





#65
tert-Butylbenzene
Concen: 9.761 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

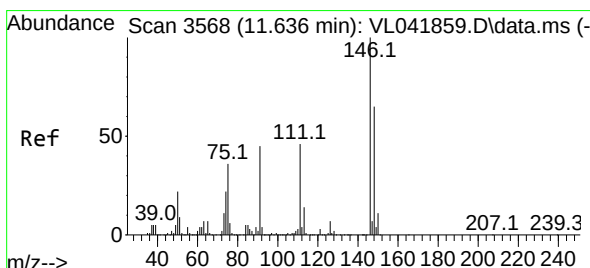
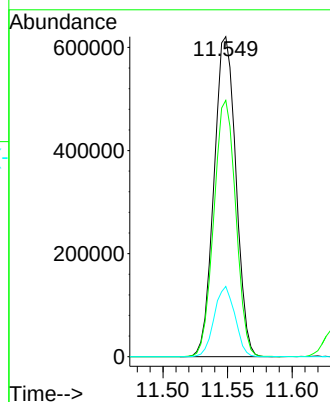
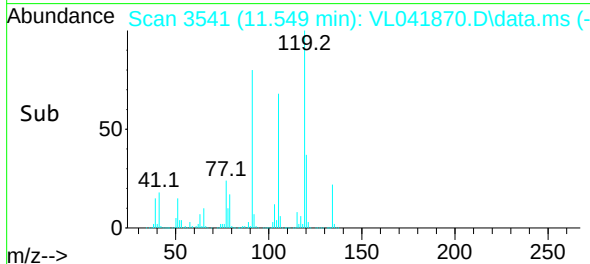
Instrument : MSVOA_L
ClientSampleId : VL0109ABS01



Tgt Ion: 119 Resp: 733119
Ion Ratio Lower Upper
119 100
91 80.1 64.6 97.0
134 20.8 16.9 25.3

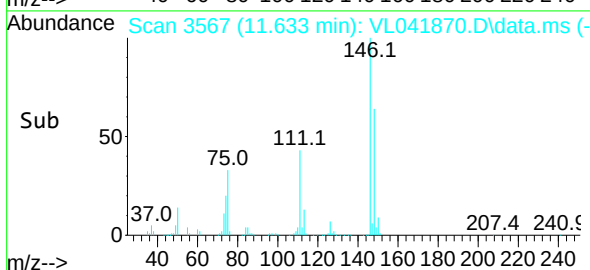
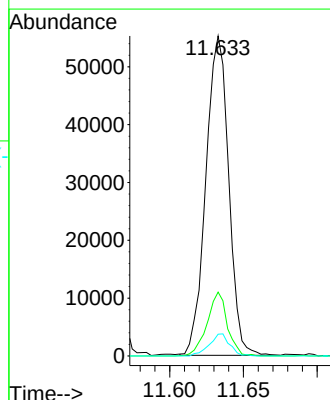
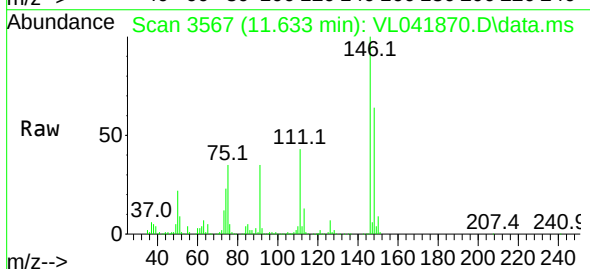
Manual Integrations
APPROVED

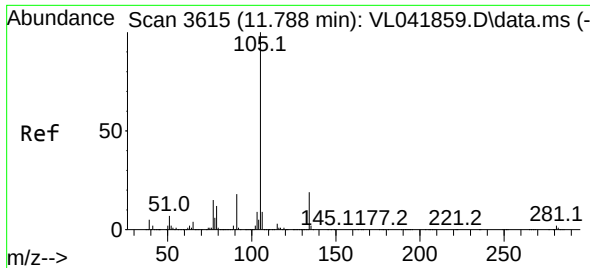
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#66
Benzyl Chloride
Concen: 7.631 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

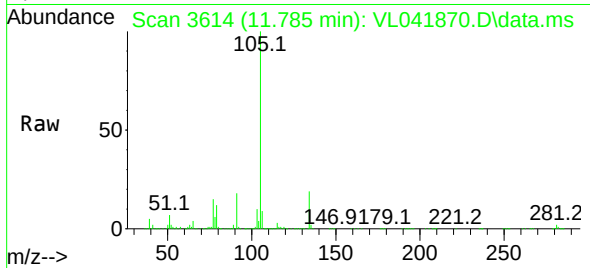
Tgt Ion: 91 Resp: 59367
Ion Ratio Lower Upper
91 100
126 17.7 13.9 20.9
128 6.2 4.8 7.2





#67
 sec-Butylbenzene
 Concen: 9.642 ppbv
 RT: 11.785 min Scan# 3614
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

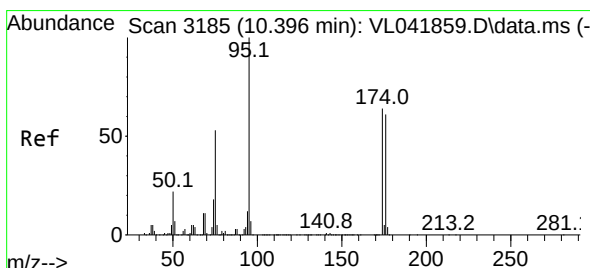
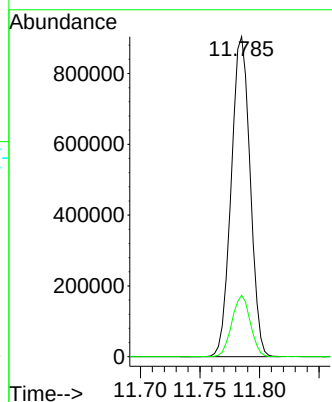
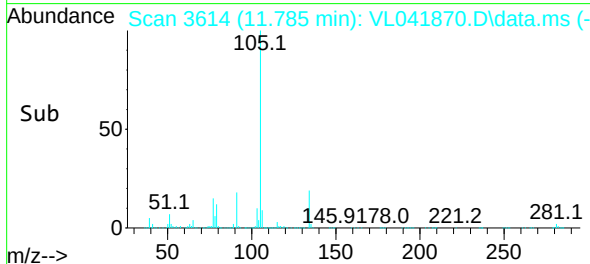
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01



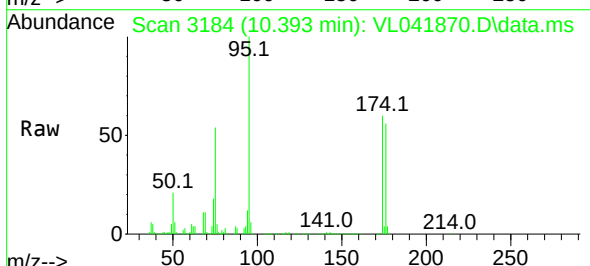
Tgt Ion:105 Resp: 997840
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.4 23.2

Manual Integrations
 APPROVED

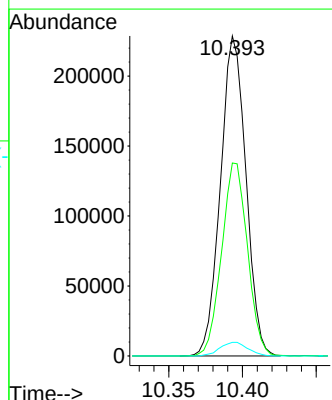
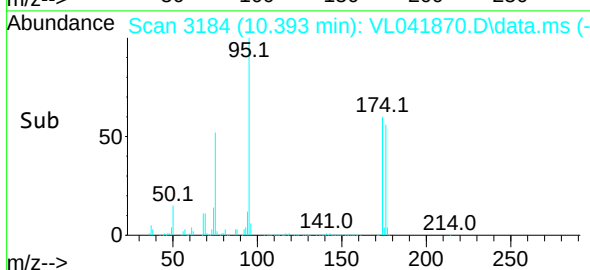
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

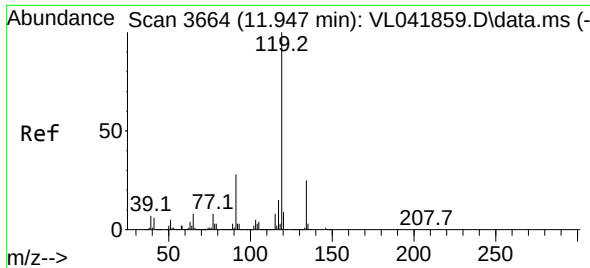


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.069 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32



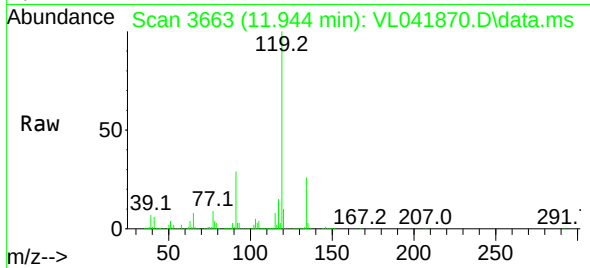
Tgt Ion: 95 Resp: 274569
 Ion Ratio Lower Upper
 95 100
 174 61.2 51.1 76.7
 175 4.7 3.8 5.8





#69
p-Isopropyltoluene
Concen: 9.577 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

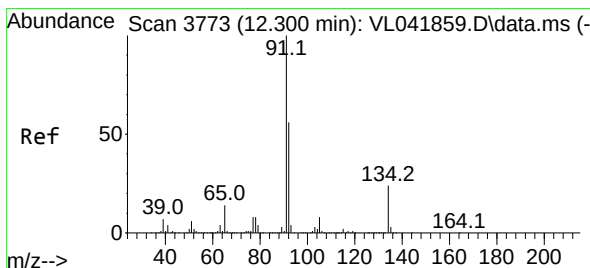
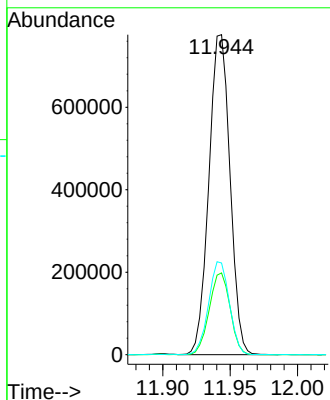
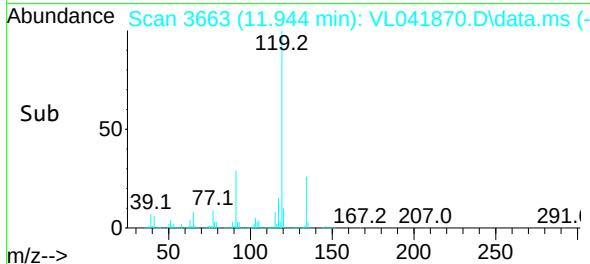
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



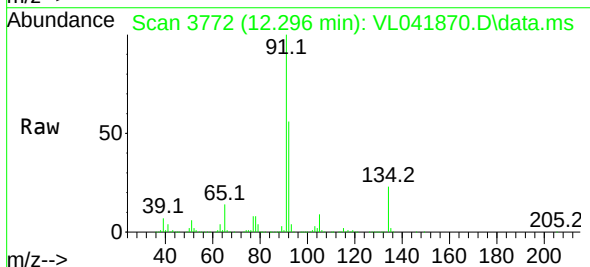
Tgt Ion:119 Resp: 845742
Ion Ratio Lower Upper
119 100
134 25.3 20.3 30.5
91 28.8 22.6 34.0

Manual Integrations
APPROVED

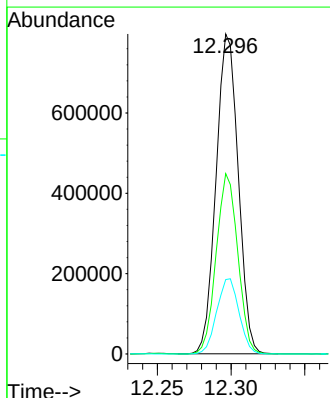
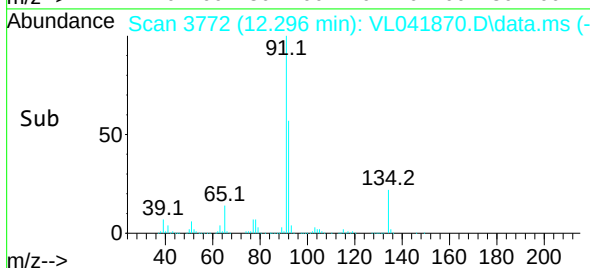
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

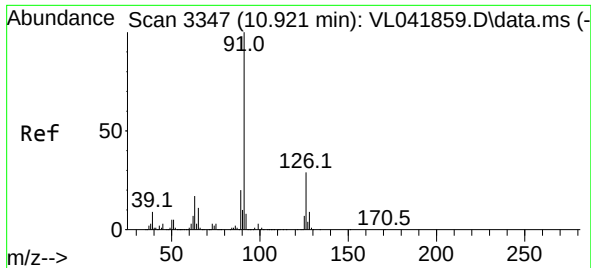


#70
n-Butylbenzene
Concen: 9.402 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



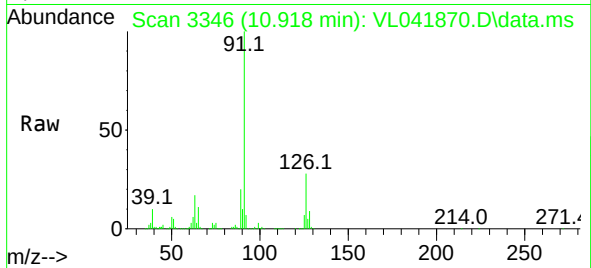
Tgt Ion: 91 Resp: 833307
Ion Ratio Lower Upper
91 100
92 55.1 43.8 65.8
134 23.6 19.3 28.9





#71
2-Chlorotoluene
Concen: 9.582 ppbv
RT: 10.918 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

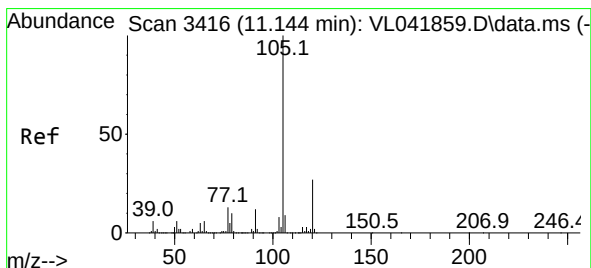
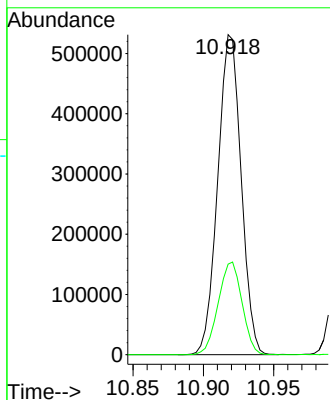
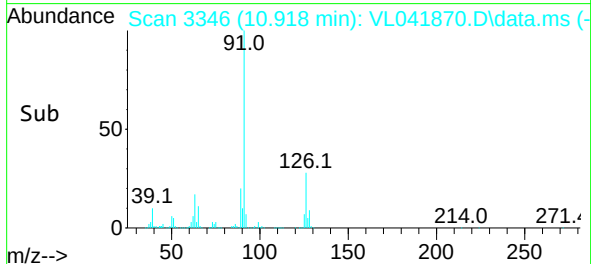
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



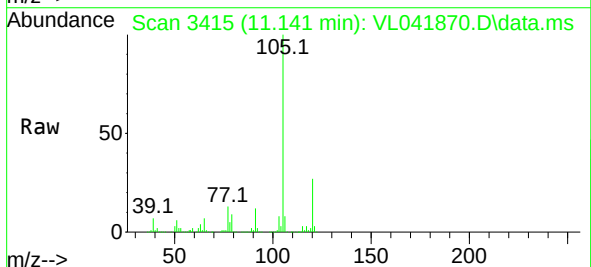
Tgt Ion: 91 Resp: 615640
Ion Ratio Lower Upper
91 100
126 29.4 11.6 46.6

Manual Integrations
APPROVED

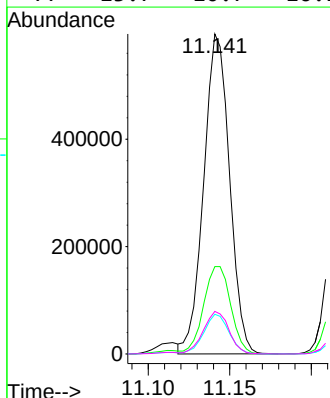
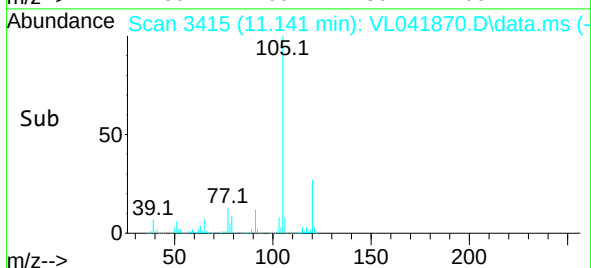
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

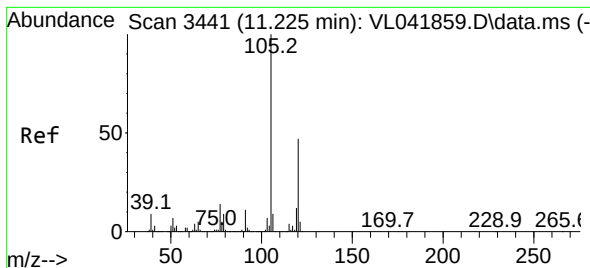


#72
4-Ethyltoluene
Concen: 9.710 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



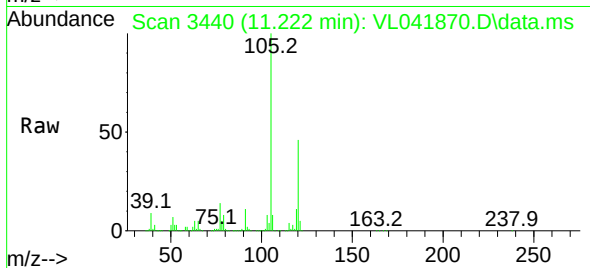
Tgt Ion:105 Resp: 656224
Ion Ratio Lower Upper
105 100
120 29.7 23.5 35.3
91 12.6 9.8 14.8
77 13.7 10.7 16.1





#73
1,3,5-Trimethylbenzene
Concen: 9.807 ppbv
RT: 11.222 min Scan# 3441
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

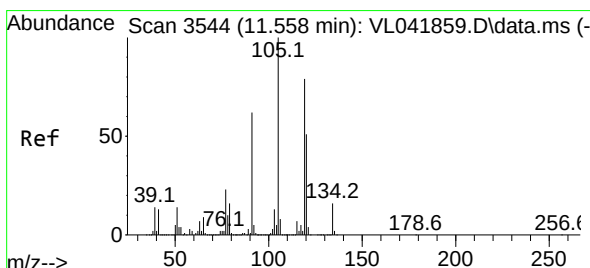
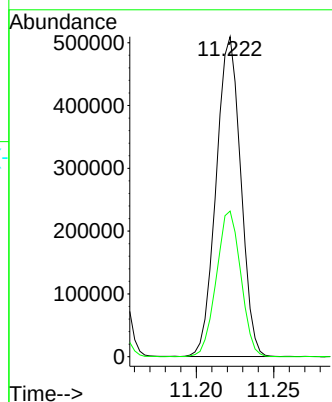
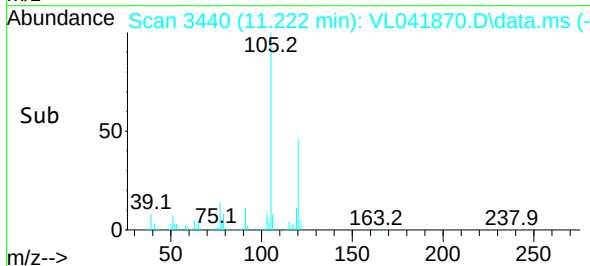
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



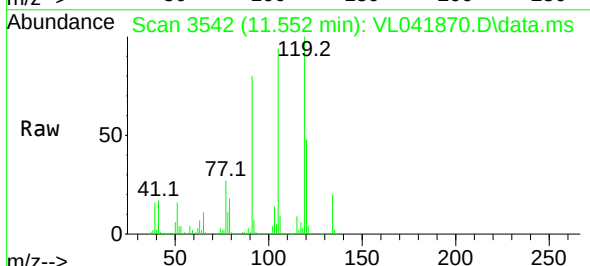
Tgt Ion:105 Resp: 56268
Ion Ratio Lower Upper
105 100
120 45.5 37.2 55.8

Manual Integrations
APPROVED

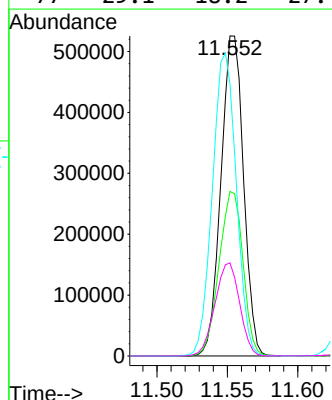
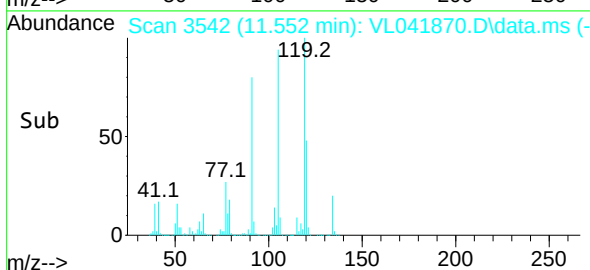
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

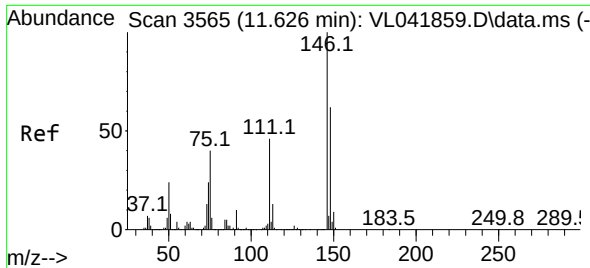


#74
1,2,4-Trimethylbenzene
Concen: 9.416 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



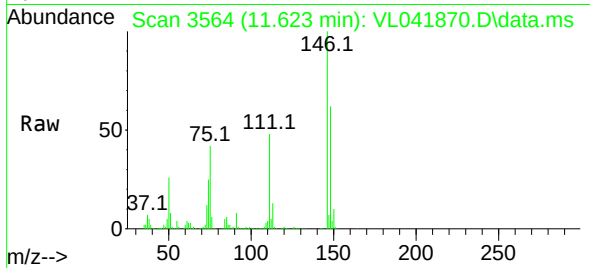
Tgt Ion:105 Resp: 586850
Ion Ratio Lower Upper
105 100
120 51.4 41.1 61.7
91 85.0 50.0 75.0#
77 29.1 18.2 27.4#





#75
1,3-Dichlorobenzene
Concen: 9.212 ppbv
RT: 11.623 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

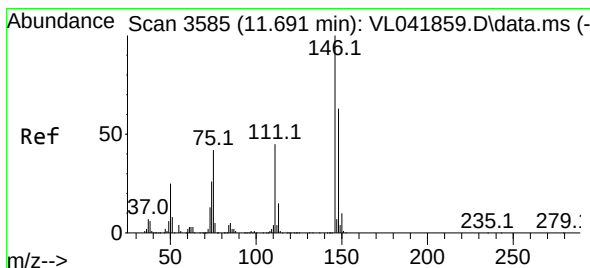
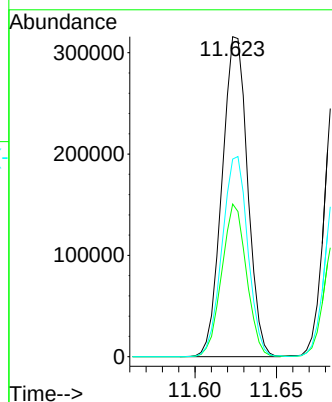
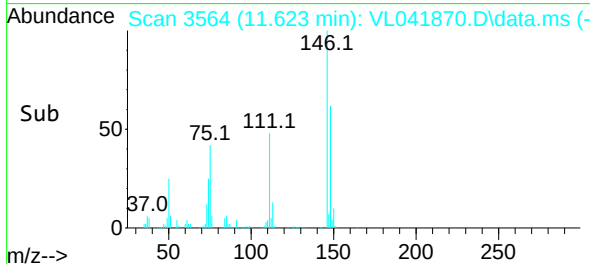
Instrument : MSVOA_1
ClientSampleId : VL0109ABS01



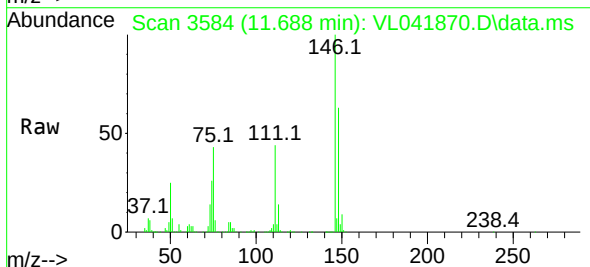
Tgt Ion:146 Resp: 344200
Ion Ratio Lower Upper
146 100
111 46.2 23.2 69.5
148 63.0 31.6 94.7

Manual Integrations
APPROVED

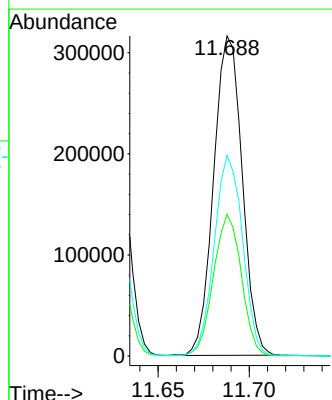
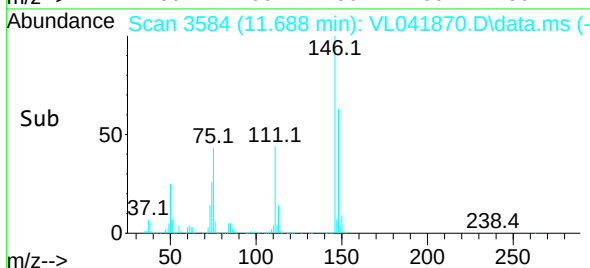
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

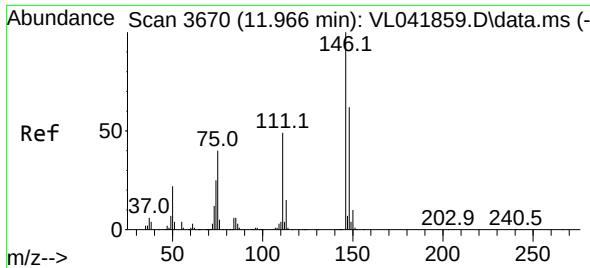


#76
1,4-Dichlorobenzene
Concen: 9.299 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



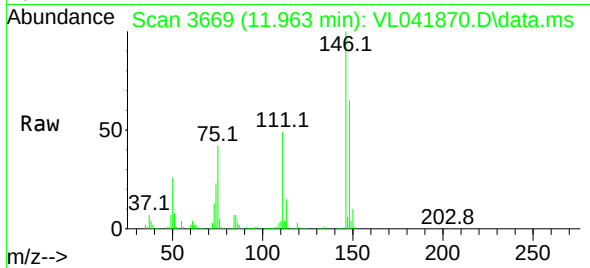
Tgt Ion:146 Resp: 343950
Ion Ratio Lower Upper
146 100
111 43.5 22.1 66.1
148 62.8 31.2 93.6





#77
1,2-Dichlorobenzene
Concen: 9.288 ppbv
RT: 11.963 min Scan# 3669
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

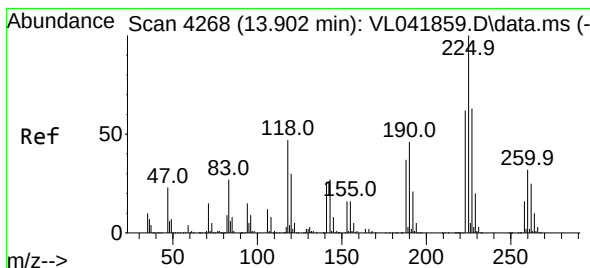
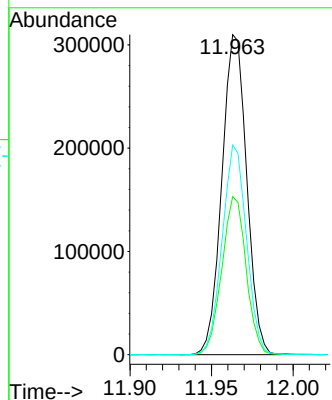
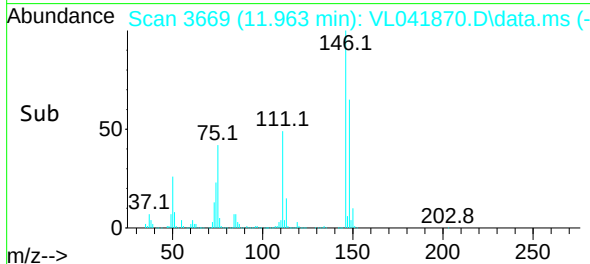
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



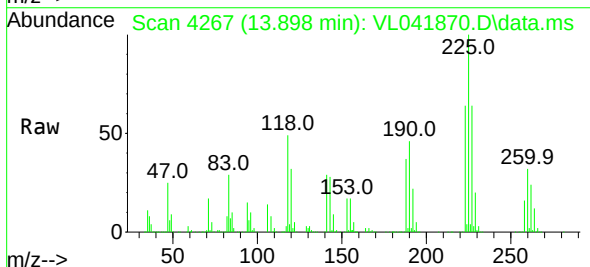
Tgt Ion:146 Resp: 32803
Ion Ratio Lower Upper
146 100
111 48.4 24.1 72.3
148 64.2 31.5 94.5

Manual Integrations
APPROVED

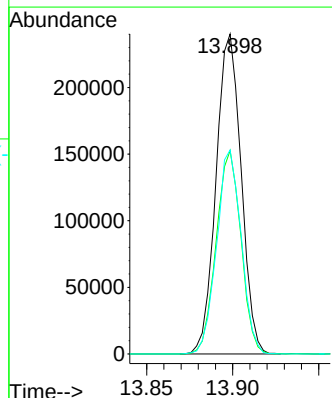
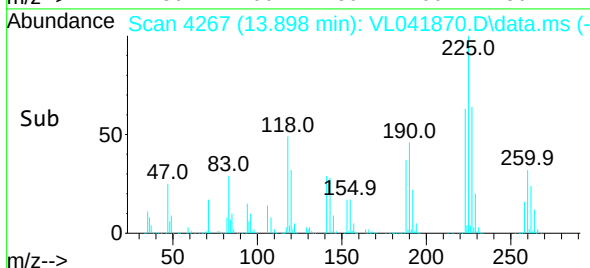
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

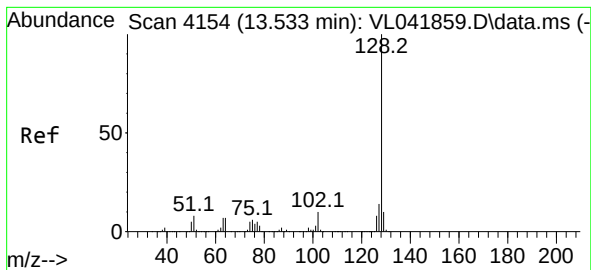


#78
Hexachloro-1,3-Butadiene
Concen: 8.032 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



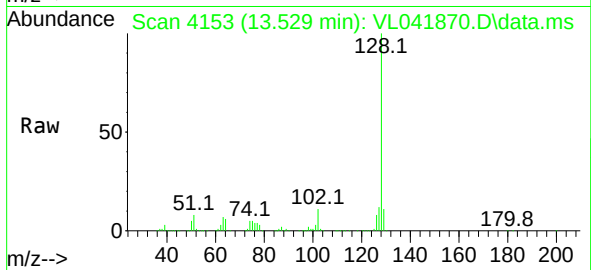
Tgt Ion:225 Resp: 243823
Ion Ratio Lower Upper
225 100
223 62.5 50.6 75.8
227 62.4 50.9 76.3





#79
Naphthalene
Concen: 7.800 ppbv
RT: 13.529 min Scan# 4153
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

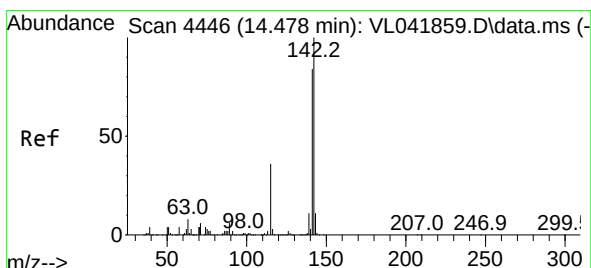
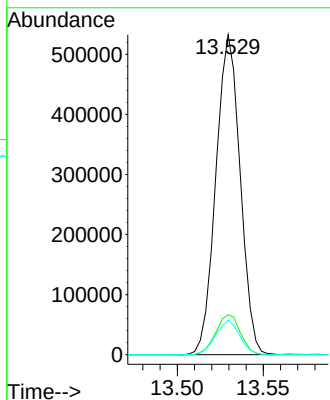
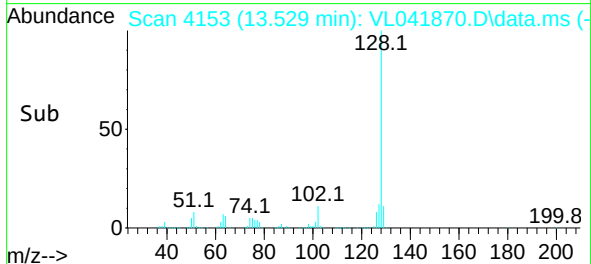
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01



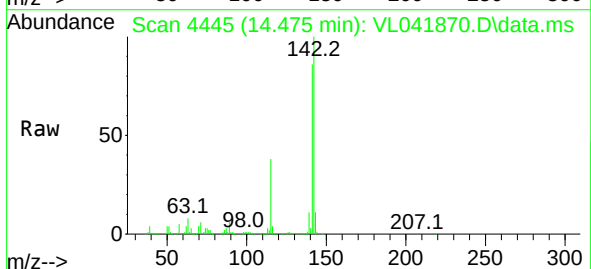
Tgt Ion:128 Resp: 52366
Ion Ratio Lower Upper
128 100
127 12.5 10.8 16.2
129 10.8 8.2 12.4

Manual Integrations
APPROVED

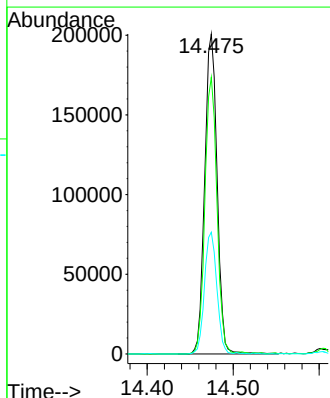
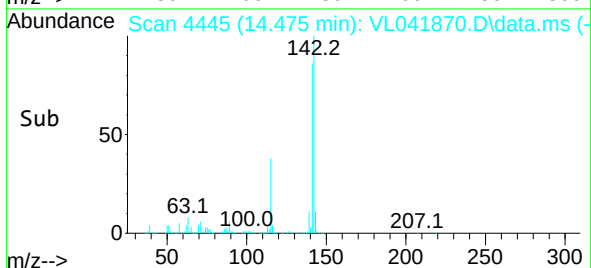
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

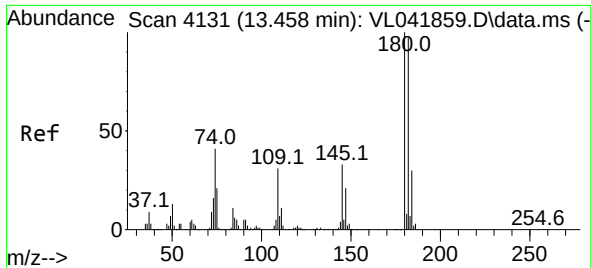


#80
Naphthalene,2-methyl-
Concen: 5.538 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32



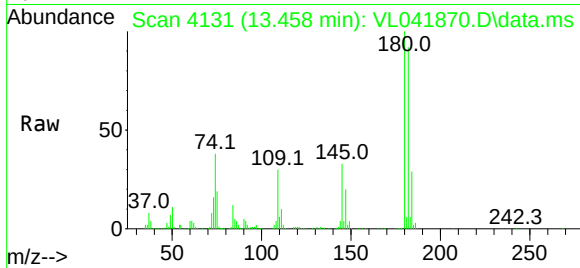
Tgt Ion:142 Resp: 200530
Ion Ratio Lower Upper
142 100
141 84.9 68.2 102.4
115 38.2 29.4 44.2





#81
 1,2,4-Trichlorobenzene
 Concen: 7.954 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

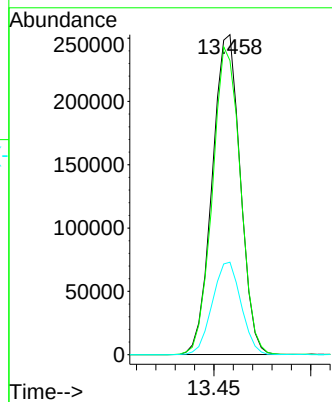
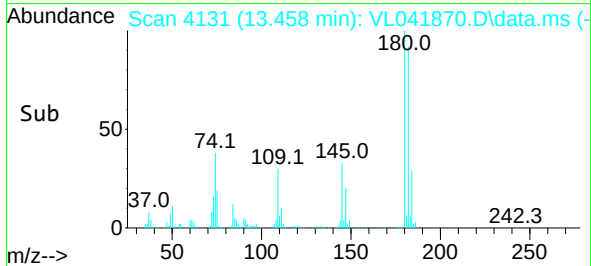
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01



Tgt Ion:180 Resp: 254295
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.8 113.8
 184 29.7 24.1 36.1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025



Manual Integration Report

Sequence:	VL010925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL041859.D	Ethanol	MMDADO DA	1/10/2025 7:22:34 AM	SAM	1/10/2025 7:26:21 AM	Peak Integrated by Software
VSTDICCC010	VL041859.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:34 AM	SAM	1/10/2025 7:26:21 AM	Peak Integrated by Software
VSTDICCC002	VL041860.D	1,1,2-Trichloroethane	MMDADO DA	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software
VSTDICCC002	VL041860.D	1,2-Dichloropropane	MMDADO DA	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software
VSTDICCC002	VL041860.D	Ethanol	MMDADO DA	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software
VSTDICCC002	VL041860.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software
VSTDICCC002	VL041860.D	Methyl Methacrylate	MMDADO DA	1/10/2025 7:22:32 AM	SAM	1/10/2025 7:26:33 AM	Peak Integrated by Software
VSTDICCC001	VL041861.D	1,4-Dioxane	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDICCC001	VL041861.D	2-Hexanone	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDICCC001	VL041861.D	4-Methyl-2-Pentanone	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDICCC001	VL041861.D	cis-1,3-Dichloropropene	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDICCC001	VL041861.D	Dibromochloromethane	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDICCC001	VL041861.D	Ethanol	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL010925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VL041861.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDIC001	VL041861.D	t-1,3-Dichloropropene	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDIC001	VL041861.D	trans-1,2-Dichloroethene	MMDADO DA	1/10/2025 7:22:30 AM	SAM	1/10/2025 7:26:36 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	1,1,2-Trichloroethane	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	1,2-Dichloropropane	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	1,4-Dioxane	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	2,2,4-Trimethylpentane	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	4-Methyl-2-Pentanone	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	Cyclohexane	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	Ethanol	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	Heptane	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDIC0.5	VL041862.D	Methyl Methacrylate	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL010925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL041862.D	Trichloroethene	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDICC0.5	VL041862.D	Vinyl Acetate	MMDADO DA	1/10/2025 7:22:28 AM	SAM	1/10/2025 7:26:38 AM	Peak Integrated by Software
VSTDICC0.1	VL041863.D	1,1,1-Trichloroethane	MMDADO DA	1/10/2025 7:22:26 AM	SAM	1/10/2025 7:26:40 AM	Peak Integrated by Software
VSTDICC0.1	VL041863.D	1,2-Dibromoethane	MMDADO DA	1/10/2025 7:22:26 AM	SAM	1/10/2025 7:26:40 AM	Peak Integrated by Software
VSTDICC0.1	VL041863.D	Carbon Tetrachloride	MMDADO DA	1/10/2025 7:22:26 AM	SAM	1/10/2025 7:26:40 AM	Peak Integrated by Software
VSTDICC0.1	VL041863.D	Tetrachloroethene	MMDADO DA	1/10/2025 7:22:26 AM	SAM	1/10/2025 7:26:40 AM	Peak Integrated by Software
VSTDICC0.1	VL041863.D	Trichloroethene	MMDADO DA	1/10/2025 7:22:26 AM	SAM	1/10/2025 7:26:40 AM	Peak Integrated by Software
VSTDICC0.03	VL041864.D	1,1,1-Trichloroethane	MMDADO DA	1/10/2025 7:22:24 AM	SAM	1/10/2025 7:26:42 AM	Peak Integrated by Software
VSTDICC0.03	VL041864.D	Carbon Tetrachloride	MMDADO DA	1/10/2025 7:22:24 AM	SAM	1/10/2025 7:26:42 AM	Peak Integrated by Software
VSTDICC0.03	VL041864.D	Trichloroethene	MMDADO DA	1/10/2025 7:22:24 AM	SAM	1/10/2025 7:26:42 AM	Peak Integrated by Software
VSTDICC015	VL041865.D	Ethanol	MMDADO DA	1/10/2025 7:22:22 AM	SAM	1/10/2025 7:26:44 AM	Peak Integrated by Software
VSTDICC015	VL041865.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:22 AM	SAM	1/10/2025 7:26:44 AM	Peak Integrated by Software
VSTDICV010	VL041866.D	Ethanol	MMDADO DA	1/10/2025 7:22:20 AM	SAM	1/10/2025 7:26:46 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL010925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV010	VL041866.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:20 AM	SAM	1/10/2025 7:26:46 AM	Peak Integrated by Software
VL0109ABS01	VL041870.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:18 AM	SAM	1/10/2025 7:26:48 AM	Peak Integrated by Software
VL0109ABS01	VL041870.D	Trichloroethene	MMDADO DA	1/10/2025 7:22:18 AM	SAM	1/10/2025 7:26:48 AM	Peak Integrated by Software
Q1037-01	VL041872.D	Carbon Tetrachloride	MMDADO DA	1/10/2025 7:22:16 AM	SAM	1/10/2025 7:26:51 AM	Peak Integrated by Software
Q1037-01	VL041872.D	Cyclohexane	MMDADO DA	1/10/2025 7:22:16 AM	SAM	1/10/2025 7:26:51 AM	Peak Integrated by Software
Q1037-01	VL041872.D	m/p-Xylene	MMDADO DA	1/10/2025 7:22:16 AM	SAM	1/10/2025 7:26:51 AM	Peak Integrated by Software
Q1037-01	VL041872.D	Propene	MMDADO DA	1/10/2025 7:22:16 AM	SAM	1/10/2025 7:26:51 AM	Peak Integrated by Software
Q1037-01	VL041872.D	Toluene	MMDADO DA	1/10/2025 7:22:16 AM	SAM	1/10/2025 7:26:51 AM	Peak Integrated by Software
Q1037-02	VL041873.D	Benzene	MMDADO DA	1/10/2025 7:22:14 AM	SAM	1/10/2025 7:26:53 AM	Peak Integrated by Software
Q1037-02	VL041873.D	Carbon Tetrachloride	MMDADO DA	1/10/2025 7:22:14 AM	SAM	1/10/2025 7:26:53 AM	Peak Integrated by Software
Q1037-02	VL041873.D	Propene	MMDADO DA	1/10/2025 7:22:14 AM	SAM	1/10/2025 7:26:53 AM	Peak Integrated by Software
Q1037-03	VL041874.D	Carbon Tetrachloride	MMDADO DA	1/10/2025 7:22:11 AM	SAM	1/10/2025 7:26:55 AM	Peak Integrated by Software
Q1037-03	VL041874.D	Propene	MMDADO DA	1/10/2025 7:22:11 AM	SAM	1/10/2025 7:26:55 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VL010925

Instrument

MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1037-03DUP	VL041875.D	Carbon Tetrachloride	MMDADO DA	1/10/2025 7:22:09 AM	SAM	1/10/2025 7:26:57 AM	Peak Integrated by Software
VSTDCCC010	VL041886.D	4-Methyl-2-Pentanone	MMDADO DA	1/10/2025 7:21:30 AM	SAM	1/10/2025 7:27:23 AM	Peak Integrated by Software
VSTDCCC010	VL041886.D	m/p-Xylene	MMDADO DA	1/10/2025 7:21:30 AM	SAM	1/10/2025 7:27:23 AM	Peak Integrated by Software

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL010925

Review By	Mahesh Dadoda	Review On	1/10/2025 7:23:31 AM
Supervise By	Semsettin Yesilyurt	Supervise On	1/10/2025 7:26:28 AM
SubDirectory	VL010925	HP Acquire Method	TO15AIR.M
		HP Processing Method	VL010925AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2570		
Initial Calibration Stds	AP2566,AP2567,AP2568		
CCC	AP2566		
Internal Standard/PEM	AP2570		
ICV/I.BLK	AO2564		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041857.D	09 Jan 2025 09:48	SY/MD	Ok
2	VSTDIC0.5	VL041858.D	09 Jan 2025 10:33	SY/MD	Not Ok
3	VSTDICCC010	VL041859.D	09 Jan 2025 11:19	SY/MD	Ok,M
4	VSTDIC002	VL041860.D	09 Jan 2025 11:52	SY/MD	Ok,M
5	VSTDIC001	VL041861.D	09 Jan 2025 12:22	SY/MD	Ok,M
6	VSTDIC0.5	VL041862.D	09 Jan 2025 12:53	SY/MD	Ok,M
7	VSTDIC0.1	VL041863.D	09 Jan 2025 13:24	SY/MD	Ok,M
8	VSTDIC0.03	VL041864.D	09 Jan 2025 13:54	SY/MD	Ok,M
9	VSTDIC015	VL041865.D	09 Jan 2025 14:27	SY/MD	Ok,M
10	VSTDICV010	VL041866.D	09 Jan 2025 15:15	SY/MD	Ok,M
11	VL0109ABL01	VL041867.D	09 Jan 2025 16:00	SY/MD	Ok
12	VL0109ABL02	VL041868.D	09 Jan 2025 16:31	SY/MD	Ok
13	VL0109ABL03	VL041869.D	09 Jan 2025 17:01	SY/MD	Ok
14	VL0109ABS01	VL041870.D	09 Jan 2025 17:32	SY/MD	Ok,M
15	VIBLK	VL041871.D	09 Jan 2025 18:02	SY/MD	Ok
16	Q1037-01	VL041872.D	09 Jan 2025 18:37	SY/MD	Ok,M
17	Q1037-02	VL041873.D	09 Jan 2025 19:10	SY/MD	Ok,M
18	Q1037-03	VL041874.D	09 Jan 2025 19:43	SY/MD	Ok,M
19	Q1037-03DUP	VL041875.D	09 Jan 2025 20:16	SY/MD	Ok,M
20	QC010725 CAN 10601	VL041876.D	09 Jan 2025 20:46	SY/MD	Ok
21	MDL 0.4	VL041877.D	09 Jan 2025 21:16	SY/MD	Ok,M

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL010925

Review By	Maresh Dadoda	Review On	1/10/2025 7:23:31 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/10/2025 7:26:28 AM		
SubDirectory	VL010925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL010925AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2570				
Initial Calibration Stds	AP2566,AP2567,AP2568				
CCC	AP2566				
Internal Standard/PEM	AP2570				
ICV/I.BLK	AO2564				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	MDL 0.4	VL041878.D	09 Jan 2025 21:46	SY/MD	Ok,M
23	MDL 0.4	VL041879.D	09 Jan 2025 22:17	SY/MD	Ok,M
24	MDL 0.1	VL041880.D	09 Jan 2025 22:47	SY/MD	Ok,M
25	MDL 0.1	VL041881.D	09 Jan 2025 23:17	SY/MD	Ok,M
26	MDL 0.1	VL041882.D	09 Jan 2025 23:47	SY/MD	Ok,M
27	MDL 0.03	VL041883.D	10 Jan 2025 00:17	SY/MD	Ok,M
28	MDL 0.03	VL041884.D	10 Jan 2025 00:47	SY/MD	Ok,M
29	MDL 0.03	VL041885.D	10 Jan 2025 01:18	SY/MD	Ok,M
30	VSTDCCC010	VL041886.D	10 Jan 2025 01:48	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL010925

Review By	Maresh Dadoda	Review On	1/10/2025 7:23:31 AM
Supervise By	Semsettin Yesilyurt	Supervise On	1/10/2025 7:26:28 AM
SubDirectory	VL010925	HP Acquire Method	TO15AIR.M
		HP Processing Method	VL010925AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2570
Initial Calibration Stds	AP2566,AP2567,AP2568
CCC	AP2566
Internal Standard/PEM	AP2570
ICV/I.BLK	AO2564
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL041857.D	09 Jan 2025 09:48		SY/MD	Ok
2	VSTDIC0.5	VSTDIC0.5	VL041858.D	09 Jan 2025 10:33	Not used	SY/MD	Not Ok
3	VSTDICCC010	VSTDICCC010	VL041859.D	09 Jan 2025 11:19		SY/MD	Ok,M
4	VSTDIC002	VSTDIC002	VL041860.D	09 Jan 2025 11:52		SY/MD	Ok,M
5	VSTDIC001	VSTDIC001	VL041861.D	09 Jan 2025 12:22		SY/MD	Ok,M
6	VSTDIC0.5	VSTDIC0.5	VL041862.D	09 Jan 2025 12:53		SY/MD	Ok,M
7	VSTDIC0.1	VSTDIC0.1	VL041863.D	09 Jan 2025 13:24		SY/MD	Ok,M
8	VSTDIC0.03	VSTDIC0.03	VL041864.D	09 Jan 2025 13:54		SY/MD	Ok,M
9	VSTDIC015	VSTDIC015	VL041865.D	09 Jan 2025 14:27		SY/MD	Ok,M
10	VSTDICV010	ICVVL010925	VL041866.D	09 Jan 2025 15:15		SY/MD	Ok,M
11	VL0109ABL01	VL0109ABL01	VL041867.D	09 Jan 2025 16:00		SY/MD	Ok
12	VL0109ABL02	VL0109ABL02	VL041868.D	09 Jan 2025 16:31		SY/MD	Ok
13	VL0109ABL03	VL0109ABL03	VL041869.D	09 Jan 2025 17:01		SY/MD	Ok
14	VL0109ABS01	VL0109ABS01	VL041870.D	09 Jan 2025 17:32		SY/MD	Ok,M
15	VIBLK	VIBLK	VL041871.D	09 Jan 2025 18:02		SY/MD	Ok
16	Q1037-01	INDOOR	VL041872.D	09 Jan 2025 18:37		SY/MD	Ok,M
17	Q1037-02	GARAGE	VL041873.D	09 Jan 2025 19:10		SY/MD	Ok,M
18	Q1037-03	AMBIENT AIR	VL041874.D	09 Jan 2025 19:43		SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL010925

Review By	Mahesh Dadoda	Review On	1/10/2025 7:23:31 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	1/10/2025 7:26:28 AM		
SubDirectory	VL010925	HP Acquire Method	TO15AIR.M	HP Processing Method	VL010925AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2570			
Initial Calibration Stds		AP2566,AP2567,AP2568			
CCC		AP2566			
Internal Standard/PEM		AP2570			
ICV/I.BLK		AO2564			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1037-03DUP	AMBIENT AIRDUP	VL041875.D	09 Jan 2025 20:16		SY/MD	Ok,M
20	QC010725 CAN 10601	QC010725 CAN 10601	VL041876.D	09 Jan 2025 20:46		SY/MD	Ok
21	MDL 0.4	MDL 0.4	VL041877.D	09 Jan 2025 21:16		SY/MD	Ok,M
22	MDL 0.4	MDL 0.4	VL041878.D	09 Jan 2025 21:46		SY/MD	Ok,M
23	MDL 0.4	MDL 0.4	VL041879.D	09 Jan 2025 22:17		SY/MD	Ok,M
24	MDL 0.1	MDL 0.1	VL041880.D	09 Jan 2025 22:47		SY/MD	Ok,M
25	MDL 0.1	MDL 0.1	VL041881.D	09 Jan 2025 23:17		SY/MD	Ok,M
26	MDL 0.1	MDL 0.1	VL041882.D	09 Jan 2025 23:47		SY/MD	Ok,M
27	MDL 0.03	MDL 0.03	VL041883.D	10 Jan 2025 00:17		SY/MD	Ok,M
28	MDL 0.03	MDL 0.03	VL041884.D	10 Jan 2025 00:47		SY/MD	Ok,M
29	MDL 0.03	MDL 0.03	VL041885.D	10 Jan 2025 01:18		SY/MD	Ok,M
30	VSTDCCC010	VSTDCCC010EC	VL041886.D	10 Jan 2025 01:48		SY/MD	Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary

Order ID : Q1037

Test : TO-15

Prepbatch ID :

Sequence ID/Qc Batch ID: VL010925,

Standard ID :

AP2566,AP2567,AP2568,AP2570,

Chemical ID :

A1117,A1135,A1136,AO2564,

Air STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2396	TO-15 15 PPBV CAL MIX	AP2566	12/20/2024	01/20/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/10/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1136 = Final Quantity: 30.000 psi

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2397	TO-15 -2 PPBV CAL.MIX	AP2567	12/20/2024	01/20/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/10/2025

FROM 26.00000psi of A1117 + 4.00000psi of AP2566 = Final Quantity: 30.000 psi

Air STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2668	0.5 PPBV CAL.MIX	AP2568	12/20/2024	01/20/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/10/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2566 = Final Quantity: 30.000 psi

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
47	Internal Standard/Surrogate Mix-80 ppbv	AP2570	01/06/2025	02/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/10/2025

FROM 2.40000psi of A1135 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
AIR LIQUIDE	365A-49 / AIR, Compressed	90402401186-01	04/01/2026	04/01/2022 / apatel	04/01/2022 / SAM	A1117

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TB500009-110 / TO-15 Internal Standard/Surrogate Standard	BC275465	07/16/2025	07/22/2024 / SAM	07/22/2024 / SAM	A1135

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CUSTOMGAS Solutions	TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene)	040424-003A	07/16/2025	07/25/2024 / SAM	07/22/2024 / SAM	A1136

CUSTOMGAS SOLUTIONS



1750 East Club Boulevard

Durham, NC 27704

Phone: (919) 220-2570

Fax: (919) 220-4540

Certificate of Analysis

Customer:

Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Tel: (908) 789-8900

Cylinder Number: BC275465
Cylinder Size/CGA: 170/180SS
Fill Pressure: 1815 PSIA
Gas Volume: ~170 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.014 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.008 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorobenzene	1 ppm	0.979 ppm +/- 0.02 ppm	
Nitrogen	balance	balance	

NOTES: Blend Tolerance:

+/- 10 %

Analytical Tolerance:

+/- 5 %

Traceability:

NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis

Reactive Mixtures:

Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.

Caution:

Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature: 

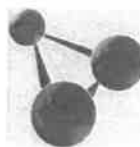
Signature: 

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS

SOLUTIONS



1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountainside, NJ 07092

Cylinder Number: BC917782
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025
Lot Number: 040424-003A

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

Customer Number	Ship VIA	Job No.	Customer PO	Mixture Type
00107092NJ	Best Way	040424-003	240404-10	Gravimetric

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Acetone	500 ppb	517 ppb +/- 50 ppb	Gravimetric Master Gas
Acetonitrile	500 ppb	534 ppb +/- 50 ppb	
Acrolein	500 ppb	545 ppb +/- 50 ppb	
Acrylonitrile	500 ppb	539 ppb +/- 50 ppb	-
Allyl chloride	500 ppb	509 ppb +/- 50 ppb	
Benzene	500 ppb	483 ppb +/- 50 ppb	
Benzyl Chloride	500 ppb	489 ppb +/- 50 ppb	
Bromodichloromethane	500 ppb	509 ppb +/- 50 ppb	
Bromoform	500 ppb	495 ppb +/- 50 ppb	
1,3-Butadiene	500 ppb	504 ppb +/- 50 ppb	
tert-Butyl alcohol	500 ppb	532 ppb +/- 50 ppb	
n-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
sec-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
tert-Butyl benzene	500 ppb	529 ppb +/- 50 ppb	
Carbon disulfide	500 ppb	485 ppb +/- 50 ppb	
Carbon tetrachloride	500 ppb	506 ppb +/- 50 ppb	
Chlorobenzene	500 ppb	491 ppb +/- 50 ppb	
Chlorodibromomethane	500 ppb	488 ppb +/- 50 ppb	
Chloroform	500 ppb	492 ppb +/- 50 ppb	
2-Chlorotoluene	500 ppb	532 ppb +/- 50 ppb	
Cyclohexane	500 ppb	482 ppb +/- 50 ppb	
1,2-Dibromoethane	500 ppb	491 ppb +/- 50 ppb	
1,2-Dichlorobenzene	500 ppb	510 ppb +/- 50 ppb	
1,3-Dichlorobenzene	500 ppb	489 ppb +/- 50 ppb	
1,4-Dichlorobenzene	500 ppb	490 ppb +/- 50 ppb	
Dichlorodifluoromethane (R12)	500 ppb	508 ppb +/- 50 ppb	

1,1-Dichloroethane	500 ppb	492 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	497 ppb +/- 50 ppb	
1,1-Dichloroethylene	500 ppb	493 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	488 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	488 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	490 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	516 ppb +/- 50 ppb	
trans 1,3-Dichloropropylene	500 ppb	466 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	505 ppb +/- 50 ppb	
1,4-Dioxane	500 ppb	484 ppb +/- 50 ppb	
Ethyl acetate	500 ppb	486 ppb +/- 50 ppb	
Ethyl Alcohol	500 ppb	555 ppb +/- 50 ppb	
Ethyl benzene	500 ppb	497 ppb +/- 50 ppb	
Ethyl Chloride	500 ppb	506 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	485 ppb +/- 50 ppb	
n-Heptane	500 ppb	487 ppb +/- 50 ppb	
Hexachloro-1,3-butadiene	500 ppb	489 ppb +/- 50 ppb	
2-Hexanone	500 ppb	490 ppb +/- 50 ppb	
n-Hexane	500 ppb	485 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	511 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	527 ppb +/- 50 ppb	
p-Isopropyl toluene	500 ppb	534 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	505 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	509 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	496 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	493 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	532 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	483 ppb +/- 50 ppb	
Methylene chloride	500 ppb	498 ppb +/- 50 ppb	
Naphthalene	500 ppb	542 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	529 ppb +/- 50 ppb	
Propylene	500 ppb	508 ppb +/- 50 ppb	
Styrene	500 ppb	485 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	500 ppb	483 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	534 ppb +/- 50 ppb	
Tetrachloroethylene	500 ppb	487 ppb +/- 50 ppb	
Tetrahydrofuran	500 ppb	535 ppb +/- 50 ppb	
Toluene	500 ppb	491 ppb +/- 50 ppb	
1,2,4-Trichlorobenzene	500 ppb	494 ppb +/- 50 ppb	
1,1,1-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	494 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	488 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	508 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	495 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	494 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene	500 ppb	498 ppb +/- 50 ppb	
2,2,4-Trimethylpentane	500 ppb	489 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	499 ppb +/- 50 ppb	
Vinyl bromide	500 ppb	505 ppb +/- 50 ppb	
Vinyl chloride	500 ppb	507 ppb +/- 50 ppb	
m-Xylene	500 ppb	492 ppb +/- 50 ppb	
o-Xylene	500 ppb	480 ppb +/- 50 ppb	
p-Xylene	500 ppb	486 ppb +/- 50 ppb	
2-Methyl Naphthalene	500 ppb	498 ppb +/- 50 ppb	
R-22	500 ppb	590 ppb +/- 50 ppb	
Nitrogen	balance	balance	

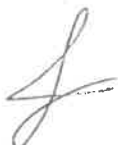
NOTES: Blend Tolerance: +/- 20 %
Analytical Tolerance: +/- 10 %
Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis
Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.
Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature: 

Signature:

Date: 07/16/2024



*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

Process Report

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

Order ID : Q1037

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
01/08/2025	B2501001	Q1037-03	-5.1	10588	6 L	10713		C2408005	VL041545.D Seq :vl081924 TUNE : VL041539.D ICAL : VL041404.D CCAL : VL041540.D MB : VL041541.D
01/08/2025	B2501001	Q1037-02	-3.9	10306	6 L	10206		C2408005	VL041545.D Seq :vl081924 TUNE : VL041539.D ICAL : VL041404.D CCAL : VL041540.D MB : VL041541.D
01/08/2025	B2501001	Q1037-01	-9.2	10282	6 L	10552		C2408005	VL041545.D Seq :vl081924 TUNE : VL041539.D ICAL : VL041404.D CCAL : VL041540.D MB : VL041541.D



Canister Cleaning

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

Canister Batch : C2408005

Type of Canister : 6 L

Cleaning Date : 08/15/2024

Analyst : SAM

Oven Temperature : 125.0 c

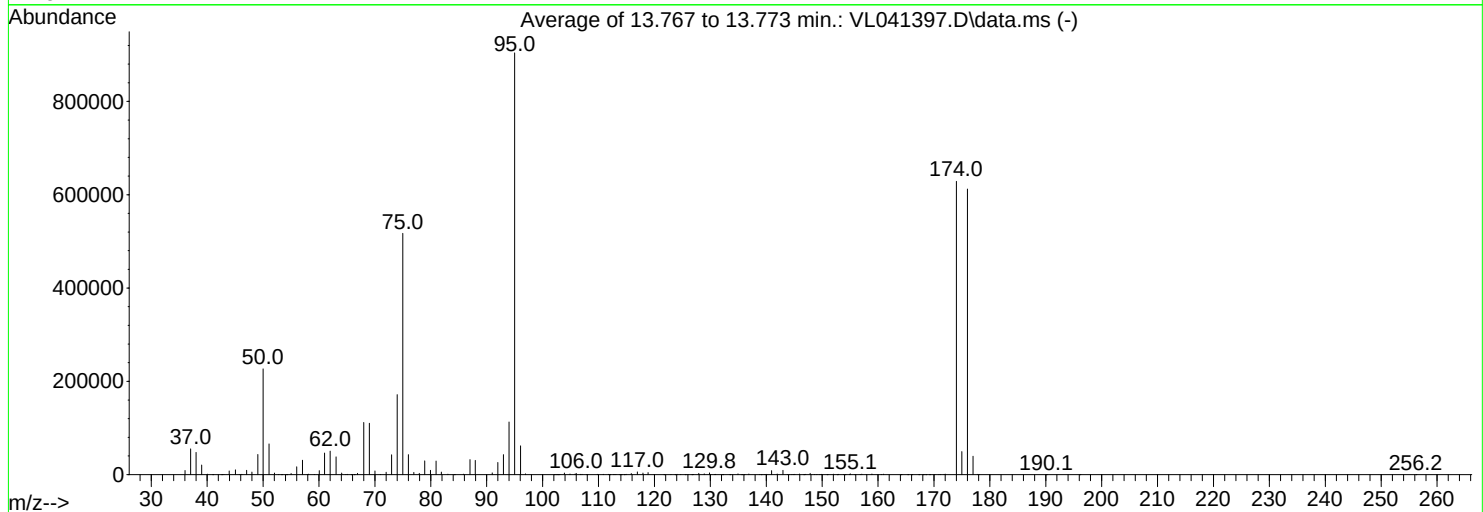
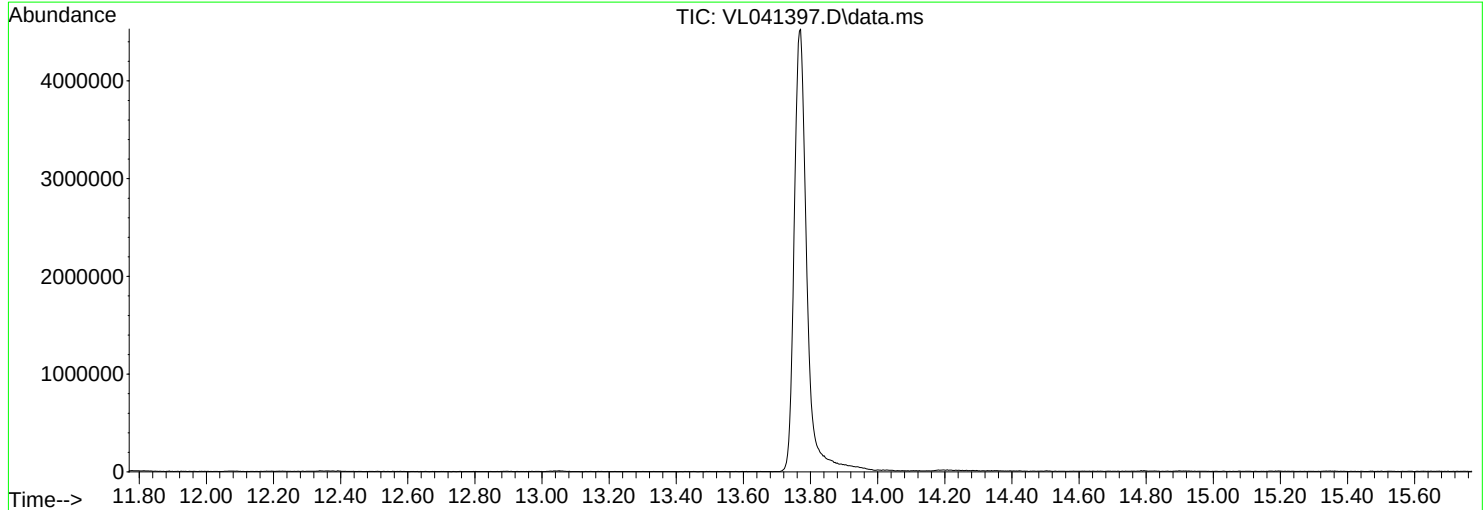
Canister	Vaccum After Cleaning ("Hg)	Vaccum After Cleaning Date	Analysis Date	VAC 24Hr ("Hg)	Vaccum After 24hr Date	New Sample Number	QC Canister	File
10282	-30	08/16/2024	08/19/2024	-30	08/19/2024	Q1037-01	10054	VL041545.D
10306	-30	08/16/2024	08/19/2024	-30	08/19/2024	Q1037-02	10054	VL041545.D
10279	-30	08/16/2024	08/19/2024	-30	08/19/2024	P4911-01	10054	VL041545.D
10608	-30	08/16/2024	08/19/2024	-30	08/19/2024	Q1031-01	10054	VL041545.D
10315	-30	08/16/2024	08/19/2024	-30	08/19/2024	P4911-02	10054	VL041545.D
10054	-30	08/16/2024	08/19/2024	-30	08/19/2024	P5294-01	10054	VL041545.D
10588	-30	08/16/2024	08/19/2024	-30	08/19/2024	Q1037-03	10054	VL041545.D
10024	-30	08/16/2024	08/19/2024	-30	08/19/2024	Q1031-02	10054	VL041545.D

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041397.D
Acq On : 25 Jul 2024 12:29
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\VL072524AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Jul 26 07:31:14 2024



AutoFind: Scans 3472, 3473, 3474; Background Corrected with Scan 3447

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	25.1	226560	PASS
75	95	30	66	57.2	517099	PASS
95	95	100	100	100.0	904149	PASS
96	95	5	9	6.8	61827	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	69.5	628715	PASS
175	174	4	9	7.9	49563	PASS
176	174	93	101	97.4	612373	PASS
177	176	5	9	6.5	39536	PASS

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL072524AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Fri Jul 26 07:31:14 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041404.D 0.1 =VL041403.D 0.5 =VL041398.D 1 =VL041401.D 2 =VL041400.D 10 =VL041399.D 15 =VL041405.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.883	2.019	2.126	1.425	1.148	1.720	24.23
3) Chlorodifluoro...			1.302	1.262	1.264	1.070	1.054	1.190	9.97
4) Chloromethane			0.682	0.685	0.687	0.564	0.548	0.633	11.12
5) T Vinyl Chloride	0.719	0.563	0.628	0.663	0.653	0.570	0.571	0.624	9.45
6) T Bromomethane			0.331	0.344	0.333	0.295	0.301	0.321	6.69
7) Chloroethane			0.240	0.210	0.226	0.202	0.198	0.215	8.14
8) T Dichlorotetra...			1.593	1.646	1.681	1.381	1.321	1.524	10.69
9) T Propene			0.576	0.586	0.588	0.489	0.495	0.547	9.16
10) T Heptane			1.139	1.240	1.371	1.200	1.194	1.229	7.09
11) T Trichlorofluor...			1.621	1.638	1.636	1.383	1.362	1.528	9.32
12) T 1,1,2-Trichlor...			1.154	1.154	1.201	0.999	0.992	1.100	8.85
13) Ethanol			0.044	0.066	0.065	0.035	0.035	0.049#	31.91
14) T Bromoethene			0.417	0.430	0.468	0.412	0.417	0.429	5.27
15) T Acetone			1.292	1.192	1.231	0.996	0.969	1.136	12.76
16) T 1,3-Butadiene			0.605	0.652	0.664	0.556	0.558	0.607	8.38
17) tert-Butyl alc...			1.032	1.100	0.986	1.053	1.011	1.036	4.17
18) T 1,1-Dichloroet...			0.460	0.479	0.515	0.455	0.444	0.471	5.93
19) T Isopropyl Alcohol			0.711	0.674	0.661	0.646	0.630	0.664	4.64
20) T Methylene Chlo...			0.502	0.430	0.444	0.371	0.372	0.424	12.91
21) T Allyl Chloride			0.714	0.783	0.796	0.726	0.707	0.745	5.53
22) T trans-1,2-Dich...			0.462	0.481	0.516	0.448	0.446	0.471	6.16
23) T Vinyl Acetate			0.777	0.874	0.939	0.884	0.865	0.868	6.71
24) T 1,1-Dichloroet...			1.083	1.045	1.116	0.941	0.923	1.022	8.40
25) T Ethyl Acetate			2.177	2.381	2.517	2.116	2.094	2.257	8.16
26) T Hexane			0.897	0.951	1.056	0.889	0.889	0.936	7.64
27) T Carbon Disulfide			1.055	1.020	1.160	1.120	1.122	1.095	5.18
28) T Methyl tert-Bu...			0.565	0.637	0.652	0.555	0.543	0.591	8.53
29) T Chloroform			1.554	1.612	1.659	1.414	1.398	1.527	7.65
30) T Cyclohexane			0.602	0.795	0.875	0.764	0.777	0.763	13.04
31) T cis-1,2-Dichlo...			0.879	0.937	1.022	0.890	0.896	0.925	6.35
32) T 1,1,1-Trichlor...	1.713	1.310	1.498	1.517	1.581	1.398	1.388	1.487	9.11

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.465	0.491	0.528	0.467	0.467	0.484	5.58
35) T Carbon Tetrach...	0.584	0.500	0.542	0.558	0.589	0.548	0.540	0.552	5.42
36) T Benzene			0.691	0.778	0.792	0.705	0.689	0.731	6.82
37) T 1,2-Dichloroet...			0.413	0.416	0.428	0.393	0.396	0.409	3.55
38) T Trichloroethene	0.394	0.288	0.326	0.349	0.349	0.320	0.317	0.335	9.99
39) T 1,2-Dichloropr...			0.267	0.294	0.303	0.266	0.269	0.280	6.21

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\										
Method File : VL072524AIR.M										
40) T	1,4-Dioxane			0.130	0.110	0.106	0.115	0.101	0.112	9.70
41) T	Tetrahydrofuran			0.226	0.291	0.308	0.278	0.280	0.277	11.09
42) T	Bromodichlorom...			0.573	0.613	0.622	0.576	0.568	0.591	4.26
43) T	Methyl Methacr...			0.205	0.252	0.287	0.283	0.284	0.262	13.30
44) T	2,2,4-Trimethy...			1.168	1.294	1.342	1.165	1.132	1.220	7.54
45) T	t-1,3-Dichloro...			0.166	0.202	0.248	0.287	0.302	0.241	23.76
46) T	cis-1,3-Dichlo...			0.270	0.325	0.372	0.382	0.392	0.348	14.53
47) T	1,1,2-Trichlor...			0.310	0.313	0.334	0.294	0.291	0.308	5.62
48) T	Dibromochlorom...			0.447	0.503	0.526	0.505	0.503	0.497	5.97
49) T	Bromoform			0.354	0.401	0.455	0.446	0.443	0.420	10.10
50) T	4-Methyl-2-Pen...			0.644	0.773	0.860	0.776	0.763	0.763	10.08
51) T	2-Hexanone			0.398	0.569	0.640	0.639	0.640	0.577	18.10
52) T	Tetrachloroethene	0.308	0.260	0.275	0.289	0.304	0.271	0.270	0.282	6.49
53) T	Toluene			0.678	0.851	0.889	0.829	0.822	0.814	9.86
54) T	1,2-Dibromoethane	0.340		0.377	0.424	0.463	0.429	0.429	0.410	10.74
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.401	0.401	0.412	0.372	0.353	0.388	6.36
57) T	Chlorobenzene			0.747	0.762	0.758	0.667	0.626	0.712	8.71
58) T	Ethyl Benzene			1.028	1.229	1.262	1.151	1.092	1.153	8.35
59) T	m/p-Xylene			0.934	1.065	1.083	0.979	0.914	0.995	7.68
60) T	o-Xylene			0.842	1.015	1.038	0.931	0.880	0.941	8.96
61) T	Styrene			0.313	0.424	0.468	0.464	0.455	0.425	15.32
62) T	Isopropylbenzene			1.404	1.552	1.560	1.368	1.270	1.431	8.68
63) T	1,1,2,2-Tetrac...	0.575	0.568	0.626	0.641	0.650	0.569	0.533	0.594	7.45
64) T	n-propylbenzene			0.353	0.393	0.408	0.370	0.347	0.374	6.89
65) T	tert-Butylbenzene			1.229	1.412	1.448	1.235	1.138	1.292	10.21
66) T	Benzyl Chloride			0.069	0.076	0.080	0.092	0.097	0.083	13.50
67) T	sec-Butylbenzene			1.641	1.940	2.017	1.719	1.586	1.781	10.59
68) S	1-Bromo-4-Fluo...	0.772	0.783	0.774	0.764	0.764	0.782	0.747	0.770	1.63
69) T	p-Isopropyltol...			1.299	1.617	1.674	1.453	1.346	1.478	11.11
70) T	n-Butylbenzene			1.347	1.622	1.731	1.488	1.386	1.515	10.64
71) T	2-Chlorotoluene			0.990	1.133	1.154	1.033	0.966	1.055	8.00
72) T	4-Ethyltoluene			0.976	1.143	1.229	1.138	1.054	1.108	8.70
73) T	1,3,5-Trimethy...			0.831	0.987	1.072	0.974	0.909	0.955	9.46
74) T	1,2,4-Trimethy...			1.034	1.199	1.238	1.074	1.003	1.110	9.32
75) T	1,3-Dichlorobe...			0.663	0.751	0.768	0.672	0.634	0.698	8.33
76) T	1,4-Dichlorobe...			0.673	0.710	0.716	0.656	0.623	0.676	5.74
77) T	1,2-Dichlorobe...			0.692	0.731	0.767	0.654	0.614	0.692	8.73
78) T	Hexachloro-1,3...			0.621	0.680	0.665	0.499	0.484	0.590	15.69
79) T	Naphthalene	0.490		0.808	1.106	1.252	1.125	1.096	0.980	28.67
80) T	Naphthalene,2-...			0.499	0.667	0.911	0.992	1.036	0.821	27.97
81) T	1,2,4-Trichlor...			0.504	0.606	0.646	0.587	0.573	0.583	8.95

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041398.D
 Acq On : 25 Jul 2024 13:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1163290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3245422	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3043708	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2357044 10.071 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	109541	0.539	ppbv	98
3) Chlorodifluoromethane	2.655	51	75741	0.549	ppbv	100
4) Chloromethane	2.793	50	39649	0.546	ppbv	96
5) Vinyl Chloride	2.906	62	36538	0.508	ppbv #	87
6) Bromomethane	3.102	94	19255	0.523	ppbv	93
7) Chloroethane	3.179	64	13984	0.572	ppbv	92
8) Dichlorotetrafluoroethane	2.838	85	92652	0.521	ppbv	93
9) Propene	2.671	41	33491	0.523	ppbv	98
10) Heptane	7.568	43	66249	0.465	ppbv	97
11) Trichlorofluoromethane	3.545	101	94267	0.536	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	67103	0.527	ppbv	99
13) Ethanol	3.237	45	2541m	0.454	ppbv	
14) Bromoethene	3.346	108	24275	0.495	ppbv #	90
15) Acetone	3.462	43	75165	0.574	ppbv	100
16) 1,3-Butadiene	2.963	39	35196m	0.505	ppbv	
17) tert-Butyl alcohol	3.870	59	59997	0.504	ppbv	99
18) 1,1-Dichloroethene	3.864	96	26744	0.484	ppbv	90
19) Isopropyl Alcohol	3.568	45	41335m	0.559	ppbv	
20) Methylene Chloride	3.915	84	29173	0.603	ppbv #	93
21) Allyl Chloride	3.979	41	41531	0.483	ppbv	94
22) trans-1,2-Dichloroethene	4.433	96	26864	0.500	ppbv	93
23) Vinyl Acetate	4.616	43	45209	0.444	ppbv #	97
24) 1,1-Dichloroethane	4.545	63	62999	0.542	ppbv #	97
25) Ethyl Acetate	5.195	43	126641	0.485	ppbv	99
26) Hexane	5.192	57	52190	0.475	ppbv	91
27) Carbon Disulfide	4.111	76	61342	0.489	ppbv #	93
28) Methyl tert-Butyl Ether	4.581	73	32882	0.475	ppbv	95
29) Chloroform	5.256	83	90359	0.503	ppbv	99
30) Cyclohexane	6.594	84	35035	0.389	ppbv #	88
31) cis-1,2-Dichloroethene	5.063	61	51136	0.472	ppbv #	87
32) 1,1,1-Trichloroethane	5.989	97	87155	0.508	ppbv	97
34) 2-Butanone	4.787	43	75522m	0.481	ppbv	
35) Carbon Tetrachloride	6.478	117	88027	0.495	ppbv	86
36) Benzene	6.356	78	112067	0.470	ppbv	95
37) 1,2-Dichloroethane	5.793	62	66949	0.507	ppbv	98
38) Trichloroethene	7.282	130	52825	0.488	ppbv	98
39) 1,2-Dichloropropane	7.060	63	43368	0.473	ppbv	95
40) 1,4-Dioxane	7.304	88	21057m	0.633	ppbv	
41) Tetrahydrofuran	5.568	42	36699	0.403	ppbv	98
42) Bromodichloromethane	7.237	83	92906	0.486	ppbv	98
43) Methyl Methacrylate	7.465	69	33258	0.386	ppbv	91
44) 2,2,4-Trimethylpentane	7.314	57	189569	0.479	ppbv	94
45) t-1,3-Dichloropropene	8.700	75	26864m	0.341	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041398.D
 Acq On : 25 Jul 2024 13:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	43823m	0.384	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	50232	0.505	ppbv	95
48) Dibromochloromethane	9.700	129	72480	0.452	ppbv	100
49) Bromoform	12.400	173	57383	0.423	ppbv	95
50) 4-Methyl-2-Pentanone	8.185	43	104559m	0.417	ppbv	
51) 2-Hexanone	9.558	43	64659	0.338	ppbv #	97
52) Tetrachloroethene	10.600	164	44583	0.486	ppbv	92
53) Toluene	9.211	91	110057	0.411	ppbv	98
54) 1,2-Dibromoethane	10.002	107	61242	0.455	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.497	131	61039	0.519	ppbv #	1
57) Chlorobenzene	11.516	112	113739	0.524	ppbv	94
58) Ethyl Benzene	12.079	91	156513	0.441	ppbv	96
59) m/p-Xylene	12.365	91	284326m	0.936	ppbv	
60) o-Xylene	13.050	91	128195	0.440	ppbv	99
61) Styrene	12.889	104	47561	0.362	ppbv	94
62) Isopropylbenzene	14.018	105	213603m	0.492	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	95214	0.526	ppbv	97
64) n-propylbenzene	14.915	120	53748m	0.473	ppbv	
65) tert-Butylbenzene	16.082	119	187031m	0.476	ppbv	
66) Benzyl Chloride	16.323	91	10564m	0.422	ppbv	
67) sec-Butylbenzene	16.632	105	249741	0.458	ppbv	99
69) p-Isopropyltoluene	16.992	119	197625	0.434	ppbv	96
70) n-Butylbenzene	17.886	91	204999	0.443	ppbv	98
71) 2-Chlorotoluene	14.796	91	150717	0.465	ppbv	100
72) 4-Ethyltoluene	15.188	105	148551	0.441	ppbv	97
73) 1,3,5-Trimethylbenzene	15.346	105	126480	0.429	ppbv	92
74) 1,2,4-Trimethylbenzene	16.098	105	157396m	0.463	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	100938	0.476	ppbv	94
76) 1,4-Dichlorobenzene	16.468	146	102368m	0.492	ppbv	
77) 1,2-Dichlorobenzene	17.143	146	105386m	0.503	ppbv	
78) Hexachloro-1,3-Butadiene	22.631	225	94555m	0.520	ppbv	
79) Naphthalene	21.387	128	123028m	0.412	ppbv	
80) Naphthalene,2-methyl-	24.374	142	75989	0.313	ppbv	93
81) 1,2,4-Trichlorobenzene	21.143	180	76641m	0.428	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041399.D
 Acq On : 25 Jul 2024 13:59
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Jul 26 05:05:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Jul 26 04:51:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1227171	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3353351	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3260833m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2550034	10.170	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	1748662	8.150	ppbv	100
3) Chlorodifluoromethane	2.652	51	1312868	9.025	ppbv	100
4) Chloromethane	2.790	50	692256	9.024	ppbv	99
5) Vinyl Chloride	2.899	62	699389	9.214	ppbv	100
6) Bromomethane	3.099	94	361665	9.227	ppbv	100
7) Chloroethane	3.176	64	248340	9.630	ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	1694634	9.039	ppbv	100
9) Propene	2.671	41	600396	8.889	ppbv	100
10) Heptane	7.568	43	1472225	9.801	ppbv	99
11) Trichlorofluoromethane	3.542	101	1696907	9.145	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1226328	9.136	ppbv	100
13) Ethanol	3.224	45	43077m	7.073	ppbv	
14) Bromoethene	3.346	108	505960	9.786	ppbv	100
15) Acetone	3.446	43	1222864	8.859	ppbv	100
16) 1,3-Butadiene	2.964	39	681843	9.269	ppbv	100
17) tert-Butyl alcohol	3.861	59	1291681	10.276	ppbv	100
18) 1,1-Dichloroethene	3.861	96	558470	9.575	ppbv	100
19) Isopropyl Alcohol	3.555	45	792740	10.155	ppbv	100
20) Methylene Chloride	3.915	84	455611	8.929	ppbv	100
21) Allyl Chloride	3.980	41	890718	9.827	ppbv	100
22) trans-1,2-Dichloroethene	4.430	96	549902	9.711	ppbv	100
23) Vinyl Acetate	4.610	43	1085315	10.104	ppbv	100
24) 1,1-Dichloroethane	4.549	63	1154644	9.415	ppbv	100
25) Ethyl Acetate	5.189	43	2597295	9.430	ppbv	100
26) Hexane	5.198	57	1090849	9.420	ppbv	100
27) Carbon Disulfide	4.105	76	1375021	10.384	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	681033	9.329	ppbv	100
29) Chloroform	5.259	83	1735318	9.163	ppbv	100
30) Cyclohexane	6.590	84	937363	9.878	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1091838	9.548	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	1715896	9.483	ppbv	100
34) 2-Butanone	4.771	43	1567685	9.654	ppbv	100
35) Carbon Tetrachloride	6.484	117	1836059	9.983	ppbv	100
36) Benzene	6.359	78	2363293	9.591	ppbv	100
37) 1,2-Dichloroethane	5.796	62	1317693	9.664	ppbv	99
38) Trichloroethene	7.282	130	1074518	9.605	ppbv	100
39) 1,2-Dichloropropane	7.063	63	891517	9.403	ppbv	100
40) 1,4-Dioxane	7.275	88	384473	11.177	ppbv	100
41) Tetrahydrofuran	5.542	42	931064	9.892	ppbv	100
42) Bromodichloromethane	7.240	83	1932798	9.793	ppbv	100
43) Methyl Methacrylate	7.465	69	948521	10.646	ppbv	100
44) 2,2,4-Trimethylpentane	7.317	57	3907968	9.554	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	963383	11.835	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041399.D
 Acq On : 25 Jul 2024 13:59
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:05:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jul 26 04:51:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1281640	10.855	ppbv	100
47) 1,1,2-Trichloroethane	8.893	97	987016	9.602	ppbv	100
48) Dibromochloromethane	9.706	129	1692234	10.224	ppbv	100
49) Bromoform	12.404	173	1496236	10.670	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2603717	10.051	ppbv	100
51) 2-Hexanone	9.542	43	2141345	10.819	ppbv	100
52) Tetrachloroethene	10.613	164	907950	9.585	ppbv	100
53) Toluene	9.214	91	2779504	10.036	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1438535	10.342	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.503	131	1213659	9.640	ppbv #	58
57) Chlorobenzene	11.523	112	2174265	9.343	ppbv	100
58) Ethyl Benzene	12.085	91	3752771	9.870	ppbv	100
59) m/p-Xylene	12.368	91	6382118m	19.609	ppbv	
60) o-Xylene	13.053	91	3036791	9.732	ppbv	100
61) Styrene	12.896	104	1513410	10.748	ppbv	100
62) Isopropylbenzene	14.024	105	4462038	9.595	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	1853886	9.567	ppbv	100
64) n-propylbenzene	14.912	120	1205437	9.895	ppbv	100
65) tert-Butylbenzene	16.085	119	4027165	9.564	ppbv	100
66) Benzyl Chloride	16.323	91	299511	11.162	ppbv	100
67) sec-Butylbenzene	16.635	105	5605419	9.602	ppbv	100
69) p-Isopropyltoluene	16.989	119	4737222	9.713	ppbv	100
70) n-Butylbenzene	17.883	91	4851380	9.796	ppbv	100
71) 2-Chlorotoluene	14.799	91	3368997	9.707	ppbv	100
72) 4-Ethyltoluene	15.188	105	3711228	10.293	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3175291	10.049	ppbv	100
74) 1,2,4-Trimethylbenzene	16.105	105	3502689	9.621	ppbv	100
75) 1,3-Dichlorobenzene	16.330	146	2192883	9.642	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2140459	9.596	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2131506	9.501	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1626038	8.347	ppbv	100
79) Naphthalene	21.381	128	3669460	11.481	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	3235986	12.454	ppbv	100
81) 1,2,4-Trichlorobenzene	21.133	180	1912951	9.962	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
 Acq On : 25 Jul 2024 14:40
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 25 15:37:54 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1187869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3361544	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3300753	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2521024 10.190 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	505198	2.492	ppbv	99
3) Chlorodifluoromethane	2.652	51	300375	1.467	ppbv	99
4) Chloromethane	2.793	50	163139	2.084	ppbv	96
5) Vinyl Chloride	2.899	62	155185	1.835	ppbv	99
6) Bromomethane	3.102	94	79103	2.956	ppbv	98
7) Chloroethane	3.176	64	53717	1.922	ppbv	94
8) Dichlorotetrafluoroethane	2.835	85	399415	2.027	ppbv	100
9) Propene	2.671	41	139773	1.972	ppbv	99
10) Heptane	7.568	43	325614	1.956	ppbv	100
11) Trichlorofluoromethane	3.546	101	388765	1.970	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	285420	2.064	ppbv	100
13) Ethanol	3.237	45	15410m	0.980	ppbv	
14) Bromoethene	3.346	108	111081	2.003	ppbv	93
15) Acetone	3.456	43	292550	1.865	ppbv	99
16) 1,3-Butadiene	2.967	39	157764	2.113	ppbv	99
17) tert-Butyl alcohol	3.861	59	234318	1.936	ppbv	99
18) 1,1-Dichloroethene	3.861	96	122348	2.013	ppbv	97
19) Isopropyl Alcohol	3.562	45	156947m	1.822	ppbv	
20) Methylene Chloride	3.915	84	105428	1.852	ppbv	98
21) Allyl Chloride	3.980	41	189033	1.998	ppbv	90
22) trans-1,2-Dichloroethene	4.427	96	122560	2.030	ppbv	90
23) Vinyl Acetate	4.613	43	223002	1.442	ppbv	# 98
24) 1,1-Dichloroethane	4.546	63	265124	1.977	ppbv	98
25) Ethyl Acetate	5.192	43	597999	2.070	ppbv	99
26) Hexane	5.198	57	250786	1.961	ppbv	98
27) Carbon Disulfide	4.108	76	275637	1.771	ppbv	94
28) Methyl tert-Butyl Ether	4.578	73	154942	1.633	ppbv	97
29) Chloroform	5.259	83	394045	1.997	ppbv	99
30) Cyclohexane	6.587	84	207896	2.040	ppbv	93
31) cis-1,2-Dichloroethene	5.063	61	242910	1.981	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	375703	1.814	ppbv	97
34) 2-Butanone	4.774	43	355170	2.002	ppbv	98
35) Carbon Tetrachloride	6.481	117	395969	1.784	ppbv	98
36) Benzene	6.359	78	532213	1.913	ppbv	97
37) 1,2-Dichloroethane	5.793	62	287587	1.802	ppbv	98
38) Trichloroethene	7.282	130	234513	1.935	ppbv	93
39) 1,2-Dichloropropane	7.060	63	203420	1.892	ppbv	96
40) 1,4-Dioxane	7.288	88	71274	2.068	ppbv	# 1
41) Tetrahydrofuran	5.552	42	207220	1.886	ppbv	99
42) Bromodichloromethane	7.237	83	418292	1.873	ppbv	98
43) Methyl Methacrylate	7.468	69	192639	1.843	ppbv	94
44) 2,2,4-Trimethylpentane	7.317	57	902570	1.909	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	166952	2.524	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
 Acq On : 25 Jul 2024 14:40
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Jul 25 15:37:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	249911	2.810	ppbv	97
47) 1,1,2-Trichloroethane	8.889	97	224865	1.950	ppbv	94
48) Dibromochloromethane	9.703	129	353718	1.910	ppbv	100
49) Bromoform	12.401	173	305646	2.073	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	577958	2.029	ppbv	99
51) 2-Hexanone	9.555	43	430093	2.124	ppbv #	96
52) Tetrachloroethene	10.606	164	204374	1.829	ppbv	98
53) Toluene	9.214	91	597804	1.905	ppbv	100
54) 1,2-Dibromoethane	10.005	107	311374	2.182	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	272178	1.832	ppbv #	1
57) Chlorobenzene	11.520	112	500573	1.933	ppbv	96
58) Ethyl Benzene	12.082	91	833428	1.887	ppbv	96
59) m/p-Xylene	12.365	91	1430508m	3.743	ppbv	
60) o-Xylene	13.053	91	685320	1.900	ppbv	99
61) Styrene	12.896	104	308833	1.763	ppbv	99
62) Isopropylbenzene	14.027	105	1029899	1.850	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	428827	1.509	ppbv	98
64) n-propylbenzene	14.912	120	269236	1.852	ppbv	91
65) tert-Butylbenzene	16.085	119	956093	1.928	ppbv	100
66) Benzyl Chloride	16.326	91	52950m	1.625	ppbv	
67) sec-Butylbenzene	16.635	105	1331315	1.898	ppbv	99
69) p-Isopropyltoluene	16.992	119	1105164	1.908	ppbv	100
70) n-Butylbenzene	17.886	91	1142994	1.931	ppbv	99
71) 2-Chlorotoluene	14.799	91	762002	1.842	ppbv	99
72) 4-Ethyltoluene	15.188	105	811504	1.889	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	707827	1.925	ppbv	95
74) 1,2,4-Trimethylbenzene	16.105	105	817315	1.972	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	506675	2.061	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	472957	1.931	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	506084	2.019	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	438766	2.407	ppbv	98
79) Naphthalene	21.384	128	826782	3.710	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	601537	1025.625	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	426225	3.095	ppbv	94

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

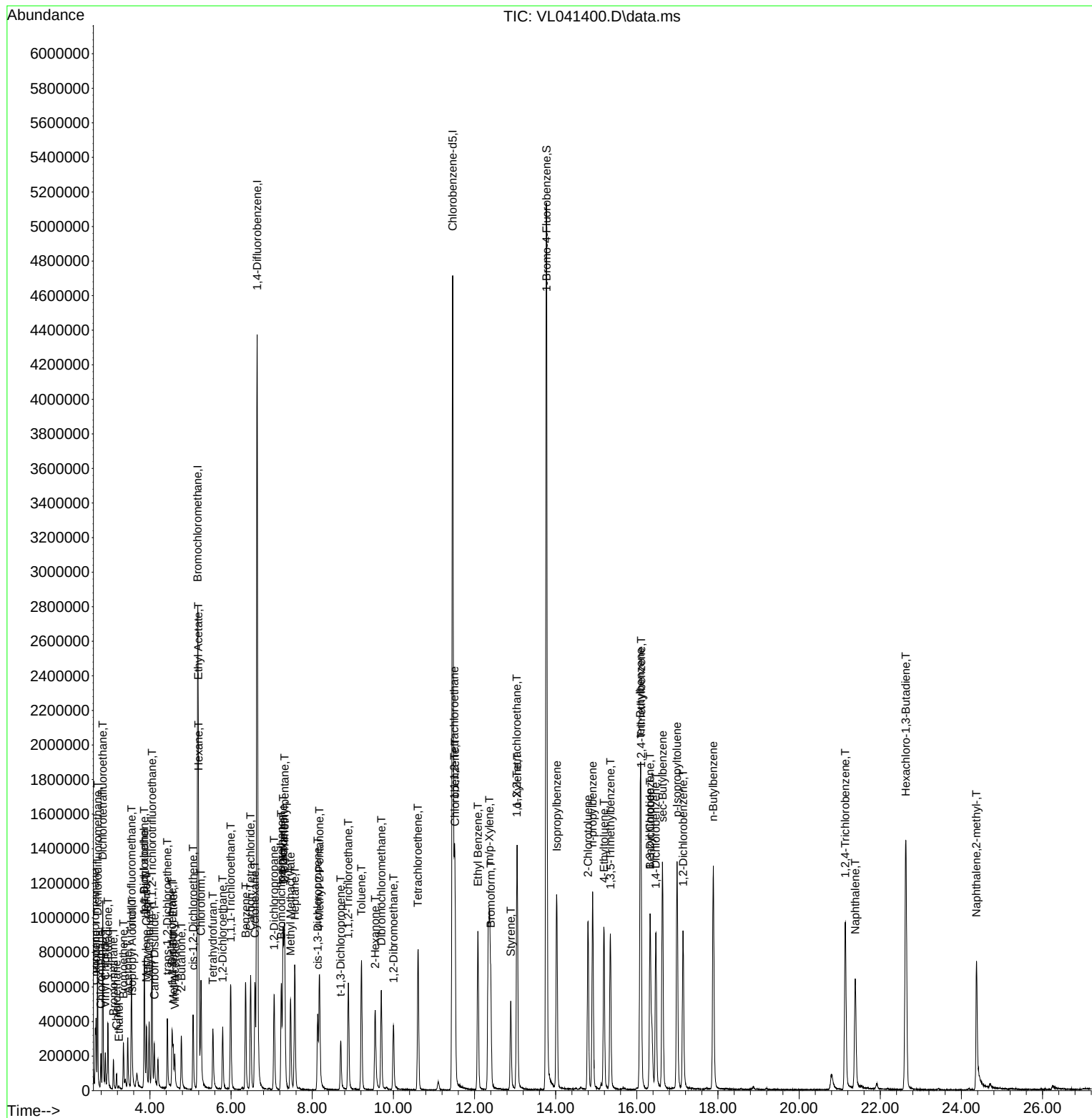
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041400.D
Acq On : 25 Jul 2024 14:40
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 25 15:37:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:43:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1198624	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3342988	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3161618	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 2414921 10.191 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	241964	1.183	ppbv	95
3) Chlorodifluoromethane	2.652	51	151299	0.732	ppbv	98
4) Chloromethane	2.793	50	82099	1.039	ppbv	96
5) Vinyl Chloride	2.899	62	79527	0.932	ppbv	98
6) Bromomethane	3.099	94	41204	1.526	ppbv	92
7) Chloroethane	3.179	64	25119	0.891	ppbv	92
8) Dichlorotetrafluoroethane	2.835	85	197281	0.992	ppbv	99
9) Propene	2.674	41	70203	0.982	ppbv	97
10) Heptane	7.568	43	148675	0.885	ppbv	96
11) Trichlorofluoromethane	3.542	101	196294	0.986	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.050	101	138368	0.992	ppbv	99
13) Ethanol	3.240	45	7925m	0.500	ppbv	
14) Bromoethene	3.350	108	51557	0.921	ppbv #	85
15) Acetone	3.456	43	142863	0.902	ppbv	97
16) 1,3-Butadiene	2.967	39	78187	1.038	ppbv	96
17) tert-Butyl alcohol	3.867	59	131833	1.080	ppbv	100
18) 1,1-Dichloroethene	3.861	96	57445	0.937	ppbv	99
19) Isopropyl Alcohol	3.568	45	80830	0.930	ppbv #	98
20) Methylene Chloride	3.912	84	51566	0.898	ppbv	96
21) Allyl Chloride	3.980	41	93864	0.983	ppbv	95
22) trans-1,2-Dichloroethene	4.433	96	57666	0.947	ppbv	91
23) Vinyl Acetate	4.613	43	104758	0.671	ppbv #	94
24) 1,1-Dichloroethane	4.546	63	125314	0.926	ppbv	100
25) Ethyl Acetate	5.195	43	285442	0.979	ppbv	98
26) Hexane	5.198	57	113990	0.883	ppbv	88
27) Carbon Disulfide	4.112	76	122266	0.779	ppbv	97
28) Methyl tert-Butyl Ether	4.575	73	76370	0.798	ppbv	99
29) Chloroform	5.259	83	193219	0.970	ppbv	91
30) Cyclohexane	6.594	84	95243m	0.926	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	112360	0.908	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	181889	0.870	ppbv	99
34) 2-Butanone	4.777	43	163975	0.930	ppbv	97
35) Carbon Tetrachloride	6.481	117	186609	0.845	ppbv	99
36) Benzene	6.356	78	259942	0.940	ppbv	95
37) 1,2-Dichloroethane	5.793	62	138981	0.875	ppbv	100
38) Trichloroethene	7.279	130	116586m	0.967	ppbv	
39) 1,2-Dichloropropane	7.063	63	98425m	0.921	ppbv	
40) 1,4-Dioxane	7.298	88	36813m	1.074	ppbv	
41) Tetrahydrofuran	5.558	42	97249	0.890	ppbv	98
42) Bromodichloromethane	7.240	83	204988	0.923	ppbv	99
43) Methyl Methacrylate	7.472	69	84268	0.811	ppbv	88
44) 2,2,4-Trimethylpentane	7.317	57	432528	0.920	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	67675	1.029	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:43:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	108779	1.230	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	104479	0.911	ppbv	97
48) Dibromochloromethane	9.703	129	168168	0.913	ppbv	97
49) Bromoform	12.404	173	133988	0.914	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	258275	0.912	ppbv	96
51) 2-Hexanone	9.558	43	190138	0.944	ppbv #	100
52) Tetrachloroethene	10.613	164	96753m	0.871	ppbv	
53) Toluene	9.211	91	284562	0.912	ppbv	98
54) 1,2-Dibromoethane	10.005	107	141838	0.999	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.504	131	126753	0.891	ppbv #	1
57) Chlorobenzene	11.520	112	240871	0.971	ppbv	95
58) Ethyl Benzene	12.086	91	388676	0.919	ppbv	98
59) m/p-Xylene	12.368	91	673526m	1.840	ppbv	
60) o-Xylene	13.053	91	320813	0.929	ppbv	99
61) Styrene	12.896	104	133924	0.798	ppbv	99
62) Isopropylbenzene	14.024	105	490658	0.920	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.047	83	202749	0.745	ppbv	98
64) n-propylbenzene	14.915	120	124102	0.891	ppbv	83
65) tert-Butylbenzene	16.085	119	446299	0.940	ppbv	99
66) Benzyl Chloride	16.326	91	24142m	0.774	ppbv	
67) sec-Butylbenzene	16.632	105	613358	0.913	ppbv	99
69) p-Isopropyltoluene	16.992	119	511080	0.921	ppbv	100
70) n-Butylbenzene	17.886	91	512783	0.904	ppbv	98
71) 2-Chlorotoluene	14.796	91	358079	0.904	ppbv	100
72) 4-Ethyltoluene	15.188	105	361470	0.878	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	312184	0.886	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	379183	0.955	ppbv #	91
75) 1,3-Dichlorobenzene	16.330	146	237337	1.008	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	224373	0.956	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	231111	0.963	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	215079	1.232	ppbv	99
79) Naphthalene	21.387	128	349592m	1.638	ppbv	
80) Naphthalene,2-methyl-	24.374	142	210840	375.304	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	191623	1.452	ppbv	98

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

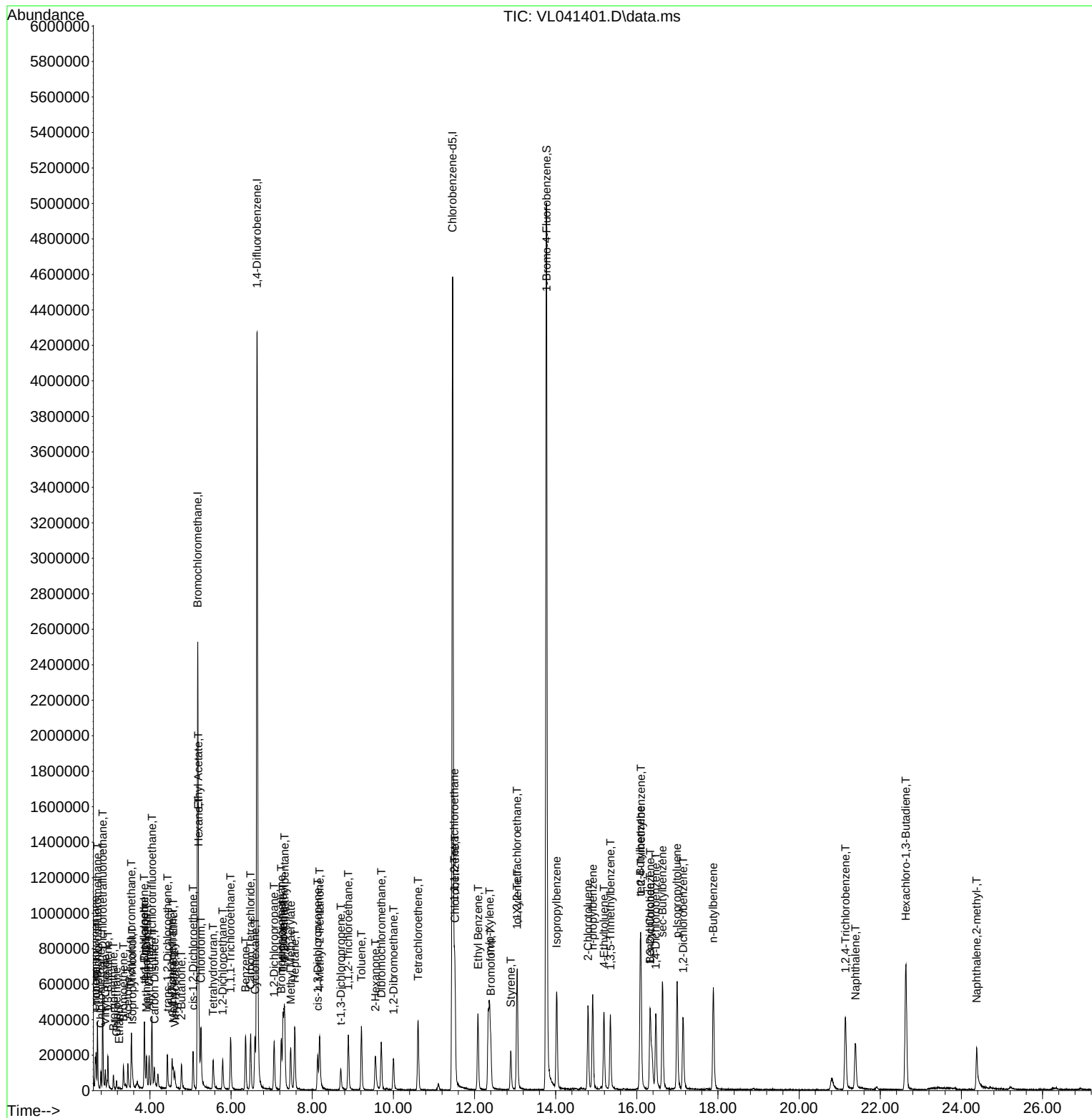
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041401.D
Acq On : 25 Jul 2024 15:19
Operator : SY/MD
Sample : VSTDIC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:43:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041403.D
 Acq On : 25 Jul 2024 16:42
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:44:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1207844	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3343894	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3087423	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2418801	10.453	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%
Target Compounds						
						Qvalue
5) Vinyl Chloride	2.899	62	6804	0.079	ppbv	94
32) 1,1,1-Trichloroethane	5.989	97	15825m	0.075	ppbv	
35) Carbon Tetrachloride	6.478	117	16719m	0.076	ppbv	
38) Trichloroethene	7.278	130	9639m	0.080	ppbv	
52) Tetrachloroethene	10.593	164	8679m	0.078	ppbv	
54) 1,2-Dibromoethane	9.995	107	11367m	0.080	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	17530m	0.066	ppbv	
79) Naphthalene	21.403	128	15122m	0.073	ppbv	

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

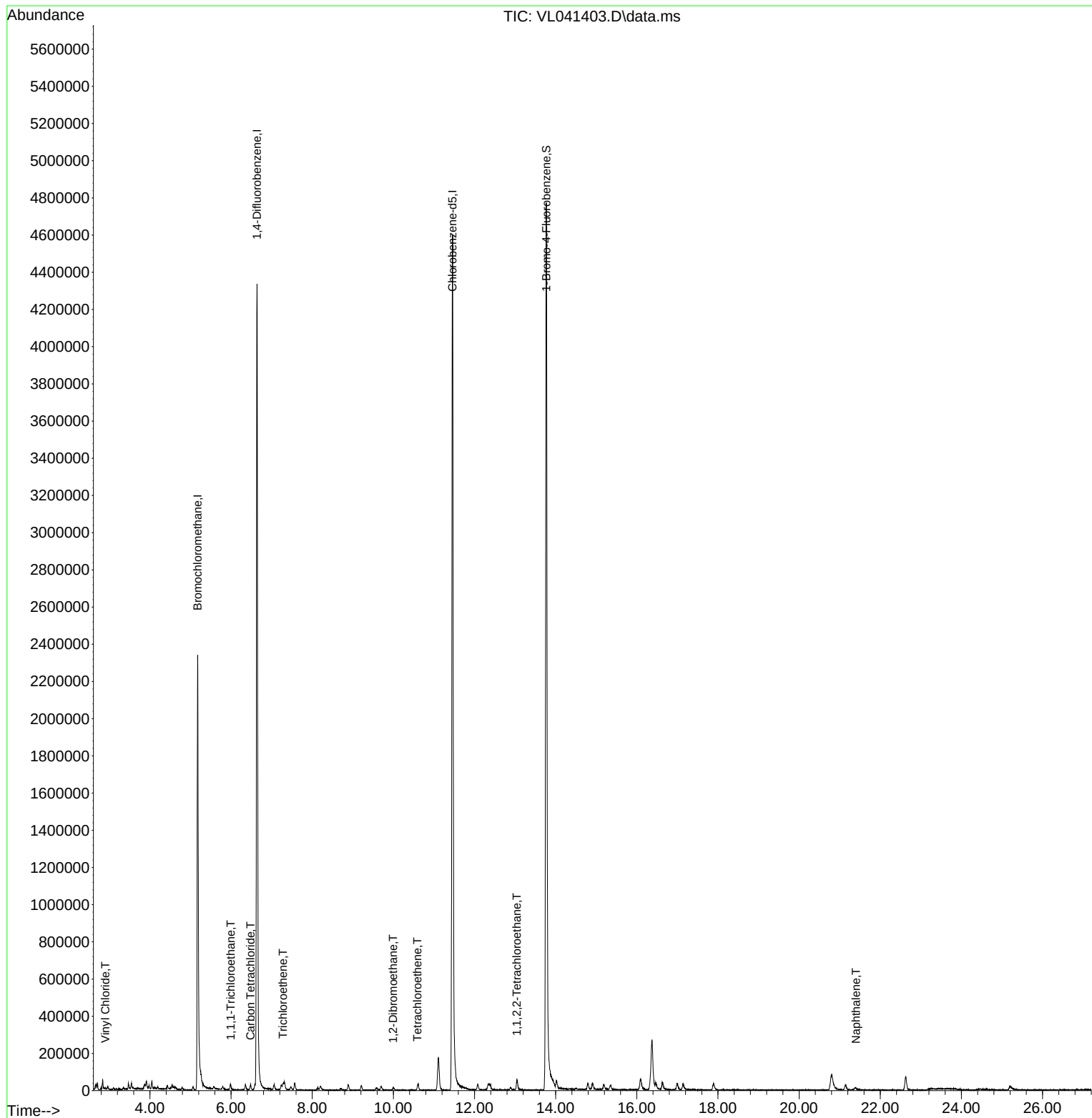
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041403.D
Acq On : 25 Jul 2024 16:42
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:44:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041404.D
 Acq On : 25 Jul 2024 17:24
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1173154	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3272729	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3056197	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2360153	10.303	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.000%	
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.899	62	2531m	0.030	ppbv	
32) 1,1,1-Trichloroethane	5.983	97	6029m	0.029	ppbv	
35) Carbon Tetrachloride	6.478	117	5730m	0.027	ppbv	
38) Trichloroethene	7.275	130	3872m	0.033	ppbv	
52) Tetrachloroethene	10.610	164	3020m	0.028	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.037	83	5269m	0.020	ppbv	

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

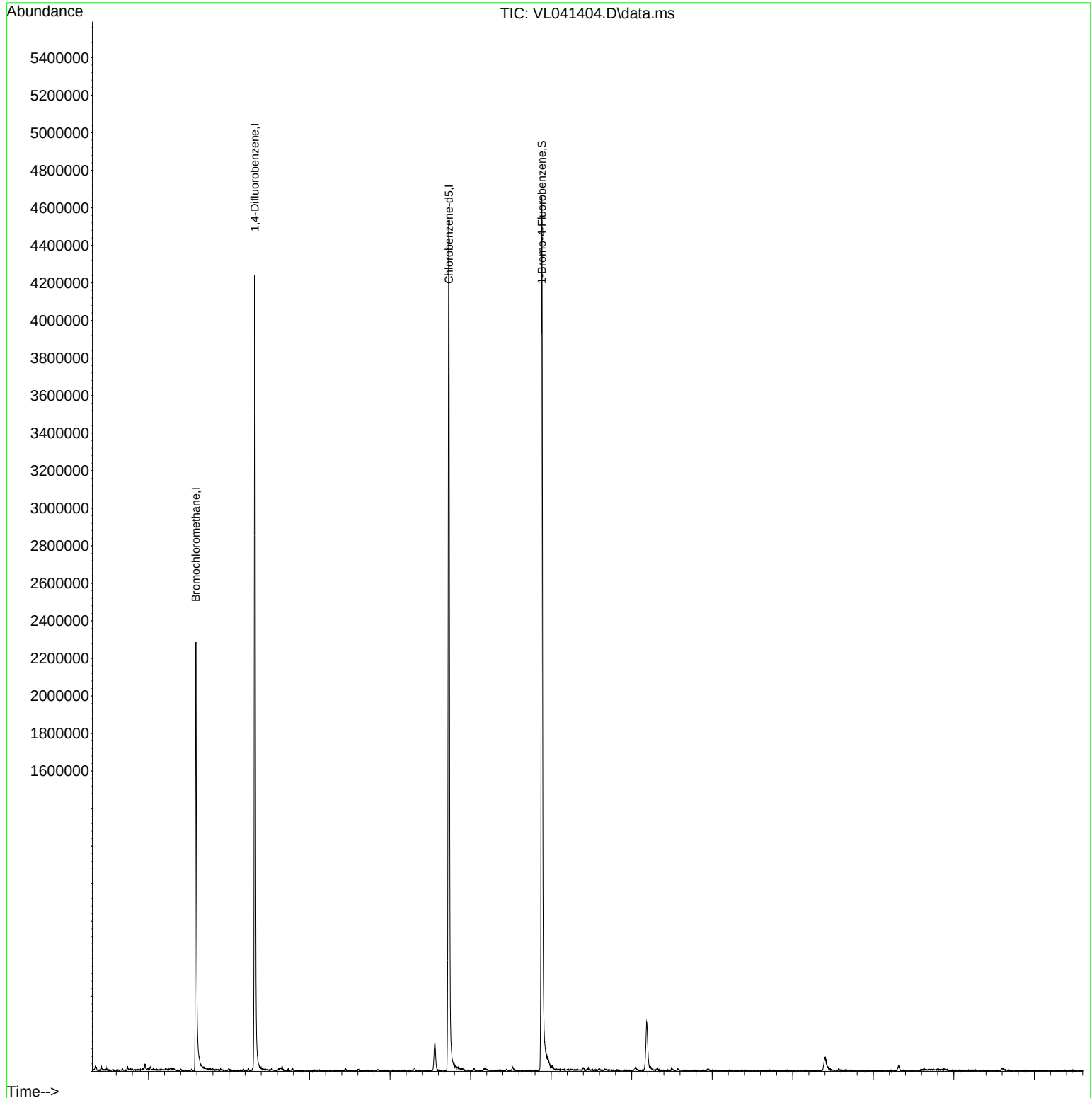
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041404.D
Acq On : 25 Jul 2024 17:24
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.179	49	1211244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3327019	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3365868	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2515088 9.970 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	2086477	10.095	ppbv	99
3) Chlorodifluoromethane	2.652	51	1914240	9.165	ppbv	100
4) Chloromethane	2.790	50	996482	12.485	ppbv	99
5) Vinyl Chloride	2.899	62	1038128	12.036	ppbv	98
6) Bromomethane	3.099	94	547488	20.067	ppbv	96
7) Chloroethane	3.176	64	360614	12.655	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	2399417	11.943	ppbv	99
9) Propene	2.671	41	899840	12.451	ppbv	98
10) Heptane	7.571	43	2169367	12.780	ppbv	99
11) Trichlorofluoromethane	3.542	101	2473823	12.296	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1802452	12.784	ppbv	99
13) Ethanol	3.221	45	62897m	3.923	ppbv	
14) Bromoethene	3.346	108	757933	13.400	ppbv	98
15) Acetone	3.446	43	1760479	11.005	ppbv	99
16) 1,3-Butadiene	2.964	39	1014052	13.319	ppbv	99
17) tert-Butyl alcohol	3.857	59	1836705	14.883	ppbv	99
18) 1,1-Dichloroethene	3.861	96	806522	13.011	ppbv	100
19) Isopropyl Alcohol	3.555	45	1143994	13.027	ppbv	100
20) Methylene Chloride	3.915	84	675282	11.634	ppbv	99
21) Allyl Chloride	3.980	41	1284615	13.313	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	809963	13.156	ppbv	99
23) Vinyl Acetate	4.613	43	1570687	9.960	ppbv	98
24) 1,1-Dichloroethane	4.545	63	1677304	12.269	ppbv	99
25) Ethyl Acetate	5.189	43	3804371	12.915	ppbv	100
26) Hexane	5.198	57	1615258	12.384	ppbv	98
27) Carbon Disulfide	4.105	76	2038049	12.842	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	986442	10.196	ppbv	100
29) Chloroform	5.263	83	2540539	12.624	ppbv	99
30) Cyclohexane	6.590	84	1411237	13.581	ppbv	96
31) cis-1,2-Dichloroethene	5.063	61	1628471	13.023	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	2522136	11.940	ppbv	100
34) 2-Butanone	4.771	43	2330483	13.274	ppbv	99
35) Carbon Tetrachloride	6.481	117	2695636	12.269	ppbv	98
36) Benzene	6.359	78	3438269	12.487	ppbv	100
37) 1,2-Dichloroethane	5.793	62	1975307	12.503	ppbv	100
38) Trichloroethene	7.282	130	1582683	13.195	ppbv	98
39) 1,2-Dichloropropane	7.063	63	1340584	12.599	ppbv	96
40) 1,4-Dioxane	7.269	88	505735	14.825	ppbv	80
41) Tetrahydrofuran	5.542	42	1399340	12.868	ppbv	100
42) Bromodichloromethane	7.240	83	2836611	12.832	ppbv	99
43) Methyl Methacrylate	7.465	69	1415809	13.686	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	5650271	12.075	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	1508473	23.041	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1956016	22.219	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	1451859	12.721	ppbv	96
48) Dibromochloromethane	9.706	129	2512083	13.707	ppbv	100
49) Bromoform	12.404	173	2210280	15.143	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	3807510	13.505	ppbv	99
51) 2-Hexanone	9.542	43	3193628	15.936	ppbv	100
52) Tetrachloroethene	10.610	164	1349134	12.202	ppbv	98
53) Toluene	9.214	91	4102245	13.210	ppbv	99
54) 1,2-Dibromoethane	10.002	107	2140365	15.154	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.503	131	1780102	11.753	ppbv #	58
57) Chlorobenzene	11.523	112	3158639	11.963	ppbv	98
58) Ethyl Benzene	12.082	91	5512808	12.242	ppbv	99
59) m/p-Xylene	12.365	91	9224976m	23.671	ppbv	
60) o-Xylene	13.053	91	4441698	12.076	ppbv	100
61) Styrene	12.892	104	2297760	12.864	ppbv	99
62) Isopropylbenzene	14.027	105	6413793	11.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	2691069	9.287	ppbv	99
64) n-propylbenzene	14.915	120	1752978	11.826	ppbv	100
65) tert-Butylbenzene	16.088	119	5746630	11.366	ppbv	99
66) Benzyl Chloride	16.323	91	487926	14.686	ppbv	99
67) sec-Butylbenzene	16.632	105	8009840	11.201	ppbv	98
69) p-Isopropyltoluene	16.992	119	6796381	11.508	ppbv	99
70) n-Butylbenzene	17.883	91	6996243	11.589	ppbv	98
71) 2-Chlorotoluene	14.796	91	4875167	11.557	ppbv	98
72) 4-Ethyltoluene	15.188	105	5320289	12.144	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	4587750	12.234	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	5066348	11.990	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	3202871	12.778	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	3142958	12.585	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	3101661	12.137	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	2444092	13.150	ppbv	99
79) Naphthalene	21.381	128	5532989	24.347	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	5230189	8744.993	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	2891669	20.588	ppbv	99

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

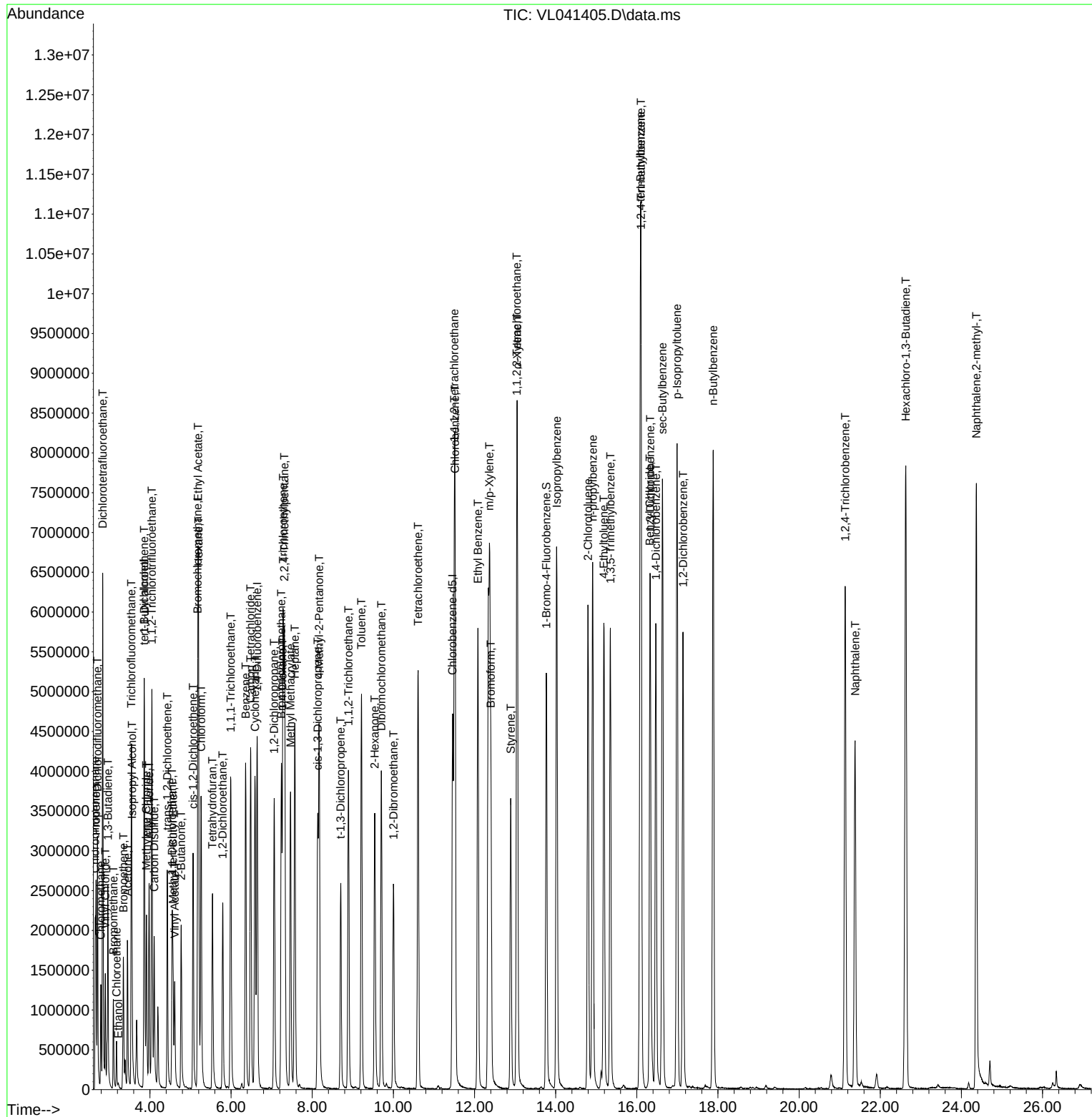
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041405.D
Acq On : 25 Jul 2024 18:06
Operator : SY/MD
Sample : VSTDIC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/29/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 29 01:38:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jul 26 07:31:14 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1233360	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3392081	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3403283m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2574566 9.830 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	2089346	9.847	ppbv	98
3) Chlorodifluoromethane	2.655	51	1318682	8.981	ppbv	99
4) Chloromethane	2.793	50	699978	8.963	ppbv	100
5) Vinyl Chloride	2.899	62	713101	9.264	ppbv	97
6) Bromomethane	3.099	94	364517	9.214	ppbv	95
7) Chloroethane	3.176	64	252261	9.496	ppbv	96
8) Dichlorotetrafluoroethane	2.835	85	1697946	9.031	ppbv	99
9) Propene	2.674	41	639582	9.482	ppbv	96
10) Heptane	7.568	43	1491349	9.841	ppbv	99
11) Trichlorofluoromethane	3.545	101	1658278	8.800	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	1213196	8.941	ppbv	99
13) Ethanol	3.224	45	37793m	6.269	ppbv	
14) Bromoethene	3.346	108	507449	9.593	ppbv	100
15) Acetone	3.449	43	1230438	8.780	ppbv	99
16) 1,3-Butadiene	2.964	39	668082	8.923	ppbv	96
17) tert-Butyl alcohol	3.857	59	1324286	10.362	ppbv	100
18) 1,1-Dichloroethene	3.861	96	557323	9.602	ppbv	98
19) Isopropyl Alcohol	3.555	45	721368	8.805	ppbv	99
20) Methylene Chloride	3.915	84	448788	8.588	ppbv	97
21) Allyl Chloride	3.980	41	895495	9.744	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	558720	9.627	ppbv	99
23) Vinyl Acetate	4.610	43	1095721	10.238	ppbv	99
24) 1,1-Dichloroethane	4.545	63	1130815	8.974	ppbv	100
25) Ethyl Acetate	5.189	43	2667366	9.581	ppbv	99
26) Hexane	5.198	57	1124469	9.737	ppbv	99
27) Carbon Disulfide	4.105	76	1334231	9.875	ppbv	98
28) Methyl tert-Butyl Ether	4.571	73	697129	9.572	ppbv	99
29) Chloroform	5.259	83	1729039	9.179	ppbv	97
30) Cyclohexane	6.587	84	960876	10.217	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1119982	9.817	ppbv	95
32) 1,1,1-Trichloroethane	5.989	97	1701553	9.280	ppbv	99
34) 2-Butanone	4.771	43	1622167	9.886	ppbv	100
35) Carbon Tetrachloride	6.481	117	1763315	9.425	ppbv	99
36) Benzene	6.359	78	2398715	9.678	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1330637	9.592	ppbv	99
38) Trichloroethene	7.282	130	1077080	9.485	ppbv	98
39) 1,2-Dichloropropane	7.063	63	922512	9.722	ppbv	97
40) 1,4-Dioxane	7.278	88	291753	7.654	ppbv #	37
41) Tetrahydrofuran	5.542	42	998498	10.640	ppbv	99
42) Bromodichloromethane	7.240	83	1912987	9.550	ppbv	98
43) Methyl Methacrylate	7.465	69	968598	10.898	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3920496	9.470	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	983393	12.021	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/29/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 29 01:38:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jul 26 07:31:14 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1301297	11.015	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	988701	9.452	ppbv	97
48) Dibromochloromethane	9.703	129	1650868	9.797	ppbv	100
49) Bromoform	12.404	173	1471871	10.340	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2646380	10.222	ppbv	99
51) 2-Hexanone	9.542	43	2152180	10.994	ppbv #	100
52) Tetrachloroethene	10.606	164	919784	9.604	ppbv	99
53) Toluene	9.211	91	2811445	10.183	ppbv	99
54) 1,2-Dibromoethane	10.002	107	1435862	10.313	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.503	131	1179925	8.940	ppbv #	56
57) Chlorobenzene	11.519	112	2154494	8.892	ppbv	98
58) Ethyl Benzene	12.082	91	3742890	9.542	ppbv	97
59) m/p-Xylene	12.368	91	6295312m	18.591	ppbv	
60) o-Xylene	13.053	91	3021924	9.434	ppbv	99
61) Styrene	12.889	104	1515228	10.485	ppbv	99
62) Isopropylbenzene	14.021	105	4395572	9.026	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	1799183	8.895	ppbv	99
64) n-propylbenzene	14.908	120	1178085	9.254	ppbv	99
65) tert-Butylbenzene	16.082	119	3927896	8.930	ppbv	100
66) Benzyl Chloride	16.326	91	311587m	11.045	ppbv	
67) sec-Butylbenzene	16.629	105	5460239	9.010	ppbv	99
69) p-Isopropyltoluene	16.989	119	4608861	9.165	ppbv	100
70) n-Butylbenzene	17.879	91	4724502	9.165	ppbv	100
71) 2-Chlorotoluene	14.793	91	3319940	9.245	ppbv	100
72) 4-Ethyltoluene	15.185	105	3595789	9.535	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3106784	9.563	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	3420961	9.057	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	2143246	9.027	ppbv	100
76) 1,4-Dichlorobenzene	16.468	146	2089633	9.089	ppbv	100
77) 1,2-Dichlorobenzene	17.137	146	2088726	8.874	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	1608282	8.012	ppbv	100
79) Naphthalene	21.374	128	3604007	10.810	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	3294736	11.790	ppbv	100
81) 1,2,4-Trichlorobenzene	21.130	180	1888152	9.517	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Quant Time: Jul 29 01:38:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jul 26 07:31:14 2024
 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	101	0.00
2 T	Dichlorodifluoromethane	1.720	1.694	1.5	119	0.00
3	Chlorodifluoromethane	1.190	1.069	10.2	100	0.00
4	Chloromethane	0.633	0.568	10.3	101	0.00
5 T	Vinyl Chloride	0.624	0.578	7.4	102	0.00
6 T	Bromomethane	0.321	0.296	7.8	101	0.00
7	Chloroethane	0.215	0.205	4.7	102	0.00
8 T	Dichlorotetrafluoroethane	1.524	1.377	9.6	100	0.00
9 T	Propene	0.547	0.519	5.1	107	0.00
10 T	Heptane	1.229	1.209	1.6	101	0.00
11 T	Trichlorofluoromethane	1.528	1.345	12.0	98	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.100	0.984	10.5	99	0.00
13	Ethanol	0.049	0.031#	36.7#	88	0.00
14 T	Bromoethene	0.429	0.411	4.2	100	0.00
15 T	Acetone	1.136	0.998	12.1	101	0.00
16 T	1,3-Butadiene	0.607	0.542	10.7	98	0.00
17	tert-Butyl alcohol	1.036	1.074	-3.7	103	0.00
18 T	1,1-Dichloroethene	0.471	0.452	4.0	100	0.00
19 T	Isopropyl Alcohol	0.664	0.585	11.9	91	0.00
20 T	Methylene Chloride	0.424	0.364	14.2	99	0.00
21 T	Allyl Chloride	0.745	0.726	2.6	101	0.00
22 T	trans-1,2-Dichloroethene	0.471	0.453	3.8	102	0.00
23 T	Vinyl Acetate	0.868	0.888	-2.3	101	0.00
24 T	1,1-Dichloroethane	1.022	0.917	10.3	98	0.00
25 T	Ethyl Acetate	2.257	2.163	4.2	103	0.00
26 T	Hexane	0.936	0.912	2.6	103	0.00
27 T	Carbon Disulfide	1.095	1.082	1.2	97	0.00
28 T	Methyl tert-Butyl Ether	0.591	0.565	4.4	102	0.00
29 T	Chloroform	1.527	1.402	8.2	100	0.00
30 T	Cyclohexane	0.763	0.779	-2.1	103	0.00
31 T	cis-1,2-Dichloroethene	0.925	0.908	1.8	103	0.00
32 T	1,1,1-Trichloroethane	1.487	1.380	7.2	99	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
34 T	2-Butanone	0.484	0.478	1.2	103	0.00
35 T	Carbon Tetrachloride	0.552	0.520	5.8	96	0.00
36 T	Benzene	0.731	0.707	3.3	101	0.00
37 T	1,2-Dichloroethane	0.409	0.392	4.2	101	0.00
38 T	Trichloroethene	0.335	0.318	5.1	100	0.00
39 T	1,2-Dichloropropane	0.280	0.272	2.9	103	0.00
40 T	1,4-Dioxane	0.112	0.086	23.2	76	0.00
41 T	Tetrahydrofuran	0.277	0.294	-6.1	107	0.00
42 T	Bromodichloromethane	0.591	0.564	4.6	99	0.00
43	Methyl Methacrylate	0.262	0.286	-9.2	102	0.00
44 T	2,2,4-Trimethylpentane	1.220	1.156	5.2	100	0.00
45 T	t-1,3-Dichloropropene	0.241	0.290	-20.3	102	0.00
46 T	cis-1,3-Dichloropropene	0.348	0.384	-10.3	102	0.00
47 T	1,1,2-Trichloroethane	0.308	0.291	5.5	100	0.00
48 T	Dibromochloromethane	0.497	0.487	2.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Quant Time: Jul 29 01:38:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jul 26 07:31:14 2024
 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	0.420	0.434	-3.3	98	0.00
50 T	4-Methyl-2-Pentanone	0.763	0.780	-2.2	102	0.00
51 T	2-Hexanone	0.577	0.634	-9.9	101	0.00
52 T	Tetrachloroethene	0.282	0.271	3.9	101	0.00
53 T	Toluene	0.814	0.829	-1.8	101	0.00
54 T	1,2-Dibromoethane	0.410	0.423	-3.2	100	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
56	1,1,1,2-Tetrachloroethane	0.388	0.347	10.6	97	0.00
57 T	Chlorobenzene	0.712	0.633	11.1	99	0.00
58 T	Ethyl Benzene	1.153	1.100	4.6	100	0.00
59 T	m/p-Xylene	0.995	0.925	7.0	99	0.00
60 T	o-Xylene	0.941	0.888	5.6	100	0.00
61 T	Styrene	0.425	0.445	-4.7	100	0.00
62	Isopropylbenzene	1.431	1.292	9.7	99	0.00
63 T	1,1,2,2-Tetrachloroethane	0.594	0.529	10.9	97	0.00
64	n-propylbenzene	0.374	0.346	7.5	98	0.00
65	tert-Butylbenzene	1.292	1.154	10.7	98	0.00
66 T	Benzyl Chloride	0.083	0.092	-10.8	104	0.00
67	sec-Butylbenzene	1.781	1.604	9.9	97	0.00
68 S	1-Bromo-4-Fluorobenzene	0.770	0.756	1.8	101	0.00
69	p-Isopropyltoluene	1.478	1.354	8.4	97	0.00
70	n-Butylbenzene	1.515	1.388	8.4	97	0.00
71	2-Chlorotoluene	1.055	0.976	7.5	99	0.00
72 T	4-Ethyltoluene	1.108	1.057	4.6	97	0.00
73 T	1,3,5-Trimethylbenzene	0.955	0.913	4.4	98	0.00
74 T	1,2,4-Trimethylbenzene	1.110	1.005	9.5	98	0.00
75 T	1,3-Dichlorobenzene	0.698	0.630	9.7	98	0.00
76 T	1,4-Dichlorobenzene	0.676	0.614	9.2	98	0.00
77 T	1,2-Dichlorobenzene	0.692	0.614	11.3	98	0.00
78 T	Hexachloro-1,3-Butadiene	0.590	0.473	19.8	99	0.00
79 T	Naphthalene	0.980	1.059	-8.1	98	0.00
80 T	Naphthalene,2-methyl-	0.821	0.968	-17.9	102	0.00
81 T	1,2,4-Trichlorobenzene	0.583	0.555	4.8	99	0.00

(#) = Out of Range

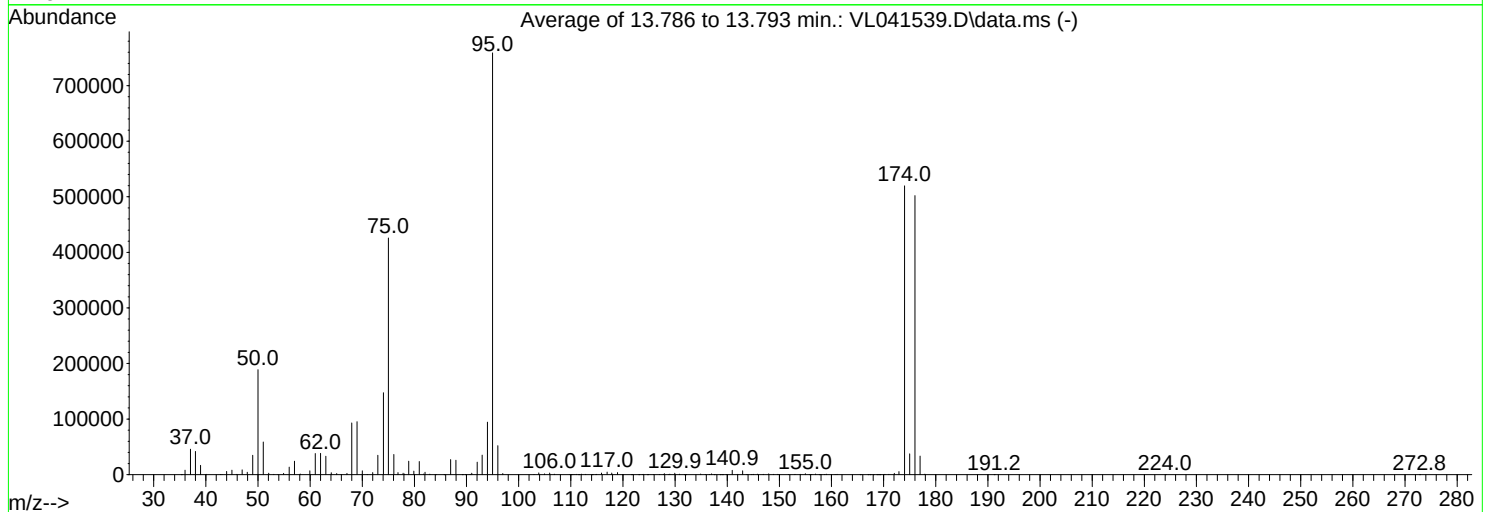
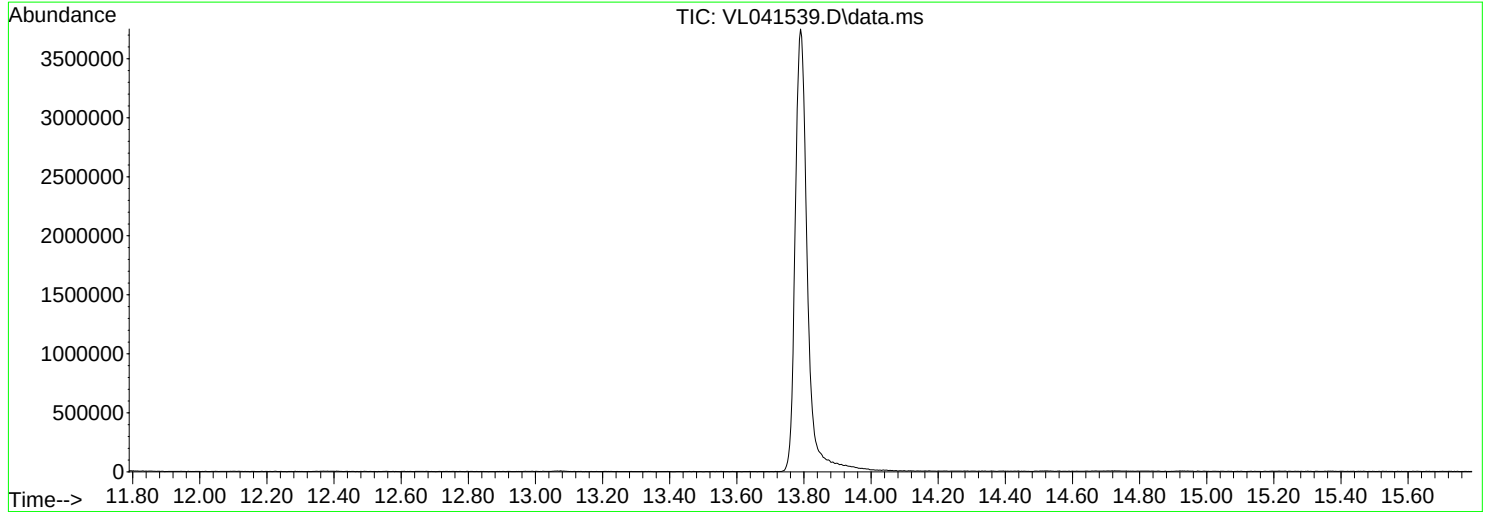
SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
Data File : VL041539.D
Acq On : 19 Aug 2024 8:10
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\VL072524AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Tue Aug 20 02:10:04 2024



AutoFind: Scans 3478, 3479, 3480; Background Corrected with Scan 3456

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.9	188907	PASS
75	95	30	66	56.1	425728	PASS
95	95	100	100	100.0	758997	PASS
96	95	5	9	6.9	52083	PASS
173	174	0.00	2	1.0	5439	PASS
174	95	50	120	68.5	519701	PASS
175	174	4	9	7.2	37573	PASS
176	174	93	101	96.6	502080	PASS
177	176	5	9	6.6	33307	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041540.D
 Acq On : 19 Aug 2024 8:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/20/2024
 Supervised By : Mahesh Dadoda 08/20/2024

Quant Time: Aug 20 02:13:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	949994	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2559374	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2515938m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.799 95 1947516 10.059 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	884681	5.413	ppbv	99
3) Chlorodifluoromethane	2.693	51	1159695	10.254	ppbv	100
4) Chloromethane	2.832	50	629369	10.463	ppbv	99
5) Vinyl Chloride	2.938	62	619805	10.454	ppbv	99
6) Bromomethane	3.137	94	327691	10.754	ppbv	92
7) Chloroethane	3.214	64	229324	11.207	ppbv	97
8) Dichlorotetrafluoroethane	2.874	85	1383474	9.554	ppbv	100
9) Propene	2.713	41	521016	10.029	ppbv	98
10) Heptane	7.597	43	1321671	11.323	ppbv	99
11) Trichlorofluoromethane	3.581	101	1519219	10.467	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.082	101	1094070	10.468	ppbv	98
13) Ethanol	3.256	45	36044m	7.762	ppbv	
14) Bromoethene	3.385	108	440924	10.821	ppbv	99
15) Acetone	3.484	43	1130098	10.470	ppbv	100
16) 1,3-Butadiene	3.002	39	624120	10.822	ppbv	97
17) tert-Butyl alcohol	3.893	59	1096646	11.140	ppbv	100
18) 1,1-Dichloroethene	3.899	96	487068	10.895	ppbv	92
19) Isopropyl Alcohol	3.591	45	651343	10.322	ppbv #	96
20) Methylene Chloride	3.951	84	412911	10.258	ppbv	98
21) Allyl Chloride	4.012	41	770702	10.888	ppbv	100
22) trans-1,2-Dichloroethene	4.462	96	491446	10.994	ppbv	98
23) Vinyl Acetate	4.642	43	966046	11.719	ppbv #	98
24) 1,1-Dichloroethane	4.581	63	1045215	10.768	ppbv	99
25) Ethyl Acetate	5.221	43	2381732	11.107	ppbv	99
26) Hexane	5.230	57	979260	11.009	ppbv	99
27) Carbon Disulfide	4.144	76	1163109	11.177	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	587594	10.474	ppbv	100
29) Chloroform	5.295	83	1547234	10.664	ppbv	99
30) Cyclohexane	6.623	84	817710	11.288	ppbv	99
31) cis-1,2-Dichloroethene	5.095	61	948884	10.798	ppbv	98
32) 1,1,1-Trichloroethane	6.021	97	1527033	10.812	ppbv	99
34) 2-Butanone	4.803	43	1405398	11.352	ppbv	99
35) Carbon Tetrachloride	6.513	117	1609727	11.403	ppbv	99
36) Benzene	6.391	78	2059410	11.012	ppbv	99
37) 1,2-Dichloroethane	5.825	62	1153588	11.021	ppbv	99
38) Trichloroethene	7.311	130	978782	11.424	ppbv	97
39) 1,2-Dichloropropane	7.095	63	811438	11.333	ppbv	97
40) 1,4-Dioxane	7.307	88	311632	10.835	ppbv	78
41) Tetrahydrofuran	5.574	42	831216	11.739	ppbv	98
42) Bromodichloromethane	7.269	83	1693152	11.203	ppbv	99
43) Methyl Methacrylate	7.494	69	821493	12.250	ppbv	97
44) 2,2,4-Trimethylpentane	7.343	57	3513799	11.249	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	843236	13.661	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041540.D
 Acq On : 19 Aug 2024 8:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024

Quant Time: Aug 20 02:13:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1113175	12.489	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	874878	11.085	ppbv	96
48) Dibromochloromethane	9.732	129	1471389	11.573	ppbv	100
49) Bromoform	12.429	173	1290363	12.015	ppbv	99
50) 4-Methyl-2-Pentanone	8.198	43	2348083	12.021	ppbv	100
51) 2-Hexanone	9.571	43	1889904	12.796	ppbv #	98
52) Tetrachloroethene	10.635	164	785134	10.865	ppbv	98
53) Toluene	9.240	91	2434932	11.689	ppbv	100
54) 1,2-Dibromoethane	10.031	107	1279830	12.183	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.529	131	1082376	11.093	ppbv #	57
57) Chlorobenzene	11.545	112	1917343	10.704	ppbv	99
58) Ethyl Benzene	12.111	91	3295215	11.363	ppbv	100
59) m/p-Xylene	12.394	91	5677231m	22.679	ppbv	
60) o-Xylene	13.079	91	2717555	11.476	ppbv	100
61) Styrene	12.918	104	1314555	12.305	ppbv	99
62) Isopropylbenzene	14.050	105	3944805	10.958	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.069	83	1675653	11.206	ppbv	99
64) n-propylbenzene	14.937	120	1056999	11.231	ppbv	95
65) tert-Butylbenzene	16.111	119	3568987	10.976	ppbv	100
66) Benzyl Chloride	16.346	91	294537	14.122	ppbv	98
67) sec-Butylbenzene	16.658	105	5012445	11.189	ppbv	99
69) p-Isopropyltoluene	17.018	119	4225410	11.366	ppbv	100
70) n-Butylbenzene	17.908	91	4335585	11.376	ppbv	100
71) 2-Chlorotoluene	14.822	91	2983953	11.240	ppbv	99
72) 4-Ethyltoluene	15.214	105	3230798	11.588	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	2794784	11.636	ppbv	98
74) 1,2,4-Trimethylbenzene	16.127	105	3136247	11.232	ppbv	97
75) 1,3-Dichlorobenzene	16.355	146	1953807	11.131	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	1933808	11.378	ppbv	98
77) 1,2-Dichlorobenzene	17.162	146	1900542	10.922	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1416463	9.546	ppbv	99
79) Naphthalene	21.410	128	3145958	12.765	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	2696816	13.054	ppbv	100
81) 1,2,4-Trichlorobenzene	21.162	180	1663658	11.343	ppbv	99

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

Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

[illegible]

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041540.D
 Acq On : 19 Aug 2024 8:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Aug 20 02:13:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 20 02:10:04 2024
 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	77	0.00
2 T	Dichlorodifluoromethane	1.720	0.931	45.9#	51	0.00
3	Chlorodifluoromethane	1.190	1.221	-2.6	88	0.00
4	Chloromethane	0.633	0.662	-4.6	91	0.00
5 T	Vinyl Chloride	0.624	0.652	-4.5	89	0.00
6 T	Bromomethane	0.321	0.345	-7.5	91	0.00
7	Chloroethane	0.215	0.241	-12.1	92	0.00
8 T	Dichlorotetrafluoroethane	1.524	1.456	4.5	82	0.00
9 T	Propene	0.547	0.548	-0.2	87	0.00
10 T	Heptane	1.229	1.391	-13.2	90	0.00
11 T	Trichlorofluoromethane	1.528	1.599	-4.6	90	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.100	1.152	-4.7	89	0.00
13	Ethanol	0.049	0.038#	22.4	84	0.00
14 T	Bromoethene	0.429	0.464	-8.2	87	0.00
15 T	Acetone	1.136	1.190	-4.8	92	0.00
16 T	1,3-Butadiene	0.607	0.657	-8.2	92	0.00
17	tert-Butyl alcohol	1.036	1.154	-11.4	85	0.00
18 T	1,1-Dichloroethene	0.471	0.513	-8.9	87	0.00
19 T	Isopropyl Alcohol	0.664	0.686	-3.3	82	0.00
20 T	Methylene Chloride	0.424	0.435	-2.6	91	0.00
21 T	Allyl Chloride	0.745	0.811	-8.9	87	0.00
22 T	trans-1,2-Dichloroethene	0.471	0.517	-9.8	89	0.00
23 T	Vinyl Acetate	0.868	1.017	-17.2	89	0.00
24 T	1,1-Dichloroethane	1.022	1.100	-7.6	91	0.00
25 T	Ethyl Acetate	2.257	2.507	-11.1	92	0.00
26 T	Hexane	0.936	1.031	-10.1	90	0.00
27 T	Carbon Disulfide	1.095	1.224	-11.8	85	0.00
28 T	Methyl tert-Butyl Ether	0.591	0.619	-4.7	86	0.00
29 T	Chloroform	1.527	1.629	-6.7	89	0.00
30 T	Cyclohexane	0.763	0.861	-12.8	87	0.00
31 T	cis-1,2-Dichloroethene	0.925	0.999	-8.0	87	0.00
32 T	1,1,1-Trichloroethane	1.487	1.607	-8.1	89	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
34 T	2-Butanone	0.484	0.549	-13.4	90	0.00
35 T	Carbon Tetrachloride	0.552	0.629	-13.9	88	0.00
36 T	Benzene	0.731	0.805	-10.1	87	0.00
37 T	1,2-Dichloroethane	0.409	0.451	-10.3	88	0.00
38 T	Trichloroethene	0.335	0.382	-14.0	91	0.00
39 T	1,2-Dichloropropane	0.280	0.317	-13.2	91	0.00
40 T	1,4-Dioxane	0.112	0.122	-8.9	81	0.00
41 T	Tetrahydrofuran	0.277	0.325	-17.3	89	0.00
42 T	Bromodichloromethane	0.591	0.662	-12.0	88	0.00
43	Methyl Methacrylate	0.262	0.321	-22.5	87	0.00
44 T	2,2,4-Trimethylpentane	1.220	1.373	-12.5	90	0.00
45 T	t-1,3-Dichloropropene	0.241	0.329	-36.5#	88	0.00
46 T	cis-1,3-Dichloropropene	0.348	0.435	-25.0	87	0.00
47 T	1,1,2-Trichloroethane	0.308	0.342	-11.0	89	0.00
48 T	Dibromochloromethane	0.497	0.575	-15.7	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041540.D
 Acq On : 19 Aug 2024 8:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Aug 20 02:13:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 20 02:10:04 2024
 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	0.420	0.504	-20.0	86	0.00
50 T	4-Methyl-2-Pentanone	0.763	0.917	-20.2	90	0.00
51 T	2-Hexanone	0.577	0.738	-27.9	88	0.00
52 T	Tetrachloroethene	0.282	0.307	-8.9	86	0.00
53 T	Toluene	0.814	0.951	-16.8	88	0.00
54 T	1,2-Dibromoethane	0.410	0.500	-22.0	89	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	77	0.00
56	1,1,1,2-Tetrachloroethane	0.388	0.430	-10.8	89	0.00
57 T	Chlorobenzene	0.712	0.762	-7.0	88	0.00
58 T	Ethyl Benzene	1.153	1.310	-13.6	88	0.00
59 T	m/p-Xylene	0.995	1.128	-13.4	89	0.00
60 T	o-Xylene	0.941	1.080	-14.8	89	0.00
61 T	Styrene	0.425	0.522	-22.8	87	0.00
62	Isopropylbenzene	1.431	1.568	-9.6	88	0.00
63 T	1,1,2,2-Tetrachloroethane	0.594	0.666	-12.1	90	0.00
64	n-propylbenzene	0.374	0.420	-12.3	88	0.00
65	tert-Butylbenzene	1.292	1.419	-9.8	89	0.00
66 T	Benzyl Chloride	0.083	0.117	-41.0#	98	0.00
67	sec-Butylbenzene	1.781	1.992	-11.8	89	0.00
68 S	1-Bromo-4-Fluorobenzene	0.770	0.774	-0.5	76	0.00
69	p-Isopropyltoluene	1.478	1.679	-13.6	89	0.00
70	n-Butylbenzene	1.515	1.723	-13.7	89	0.00
71	2-Chlorotoluene	1.055	1.186	-12.4	89	0.00
72 T	4-Ethyltoluene	1.108	1.284	-15.9	87	0.00
73 T	1,3,5-Trimethylbenzene	0.955	1.111	-16.3	88	0.00
74 T	1,2,4-Trimethylbenzene	1.110	1.247	-12.3	90	0.00
75 T	1,3-Dichlorobenzene	0.698	0.777	-11.3	89	0.00
76 T	1,4-Dichlorobenzene	0.676	0.769	-13.8	90	0.00
77 T	1,2-Dichlorobenzene	0.692	0.755	-9.1	89	0.00
78 T	Hexachloro-1,3-Butadiene	0.590	0.563	4.6	87	0.00
79 T	Naphthalene	0.980	1.250	-27.6	86	0.00
80 T	Naphthalene,2-methyl-	0.821	1.072	-30.6#	83	0.00
81 T	1,2,4-Trichlorobenzene	0.583	0.661	-13.4	87	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041541.D
 Acq On : 19 Aug 2024 10:07
 Operator : SY/MD
 Sample : VL0819ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABL01

Quant Time: Aug 20 02:14:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 20 02:10:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	895764	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2374230	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2131055	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1588219	9.684	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%

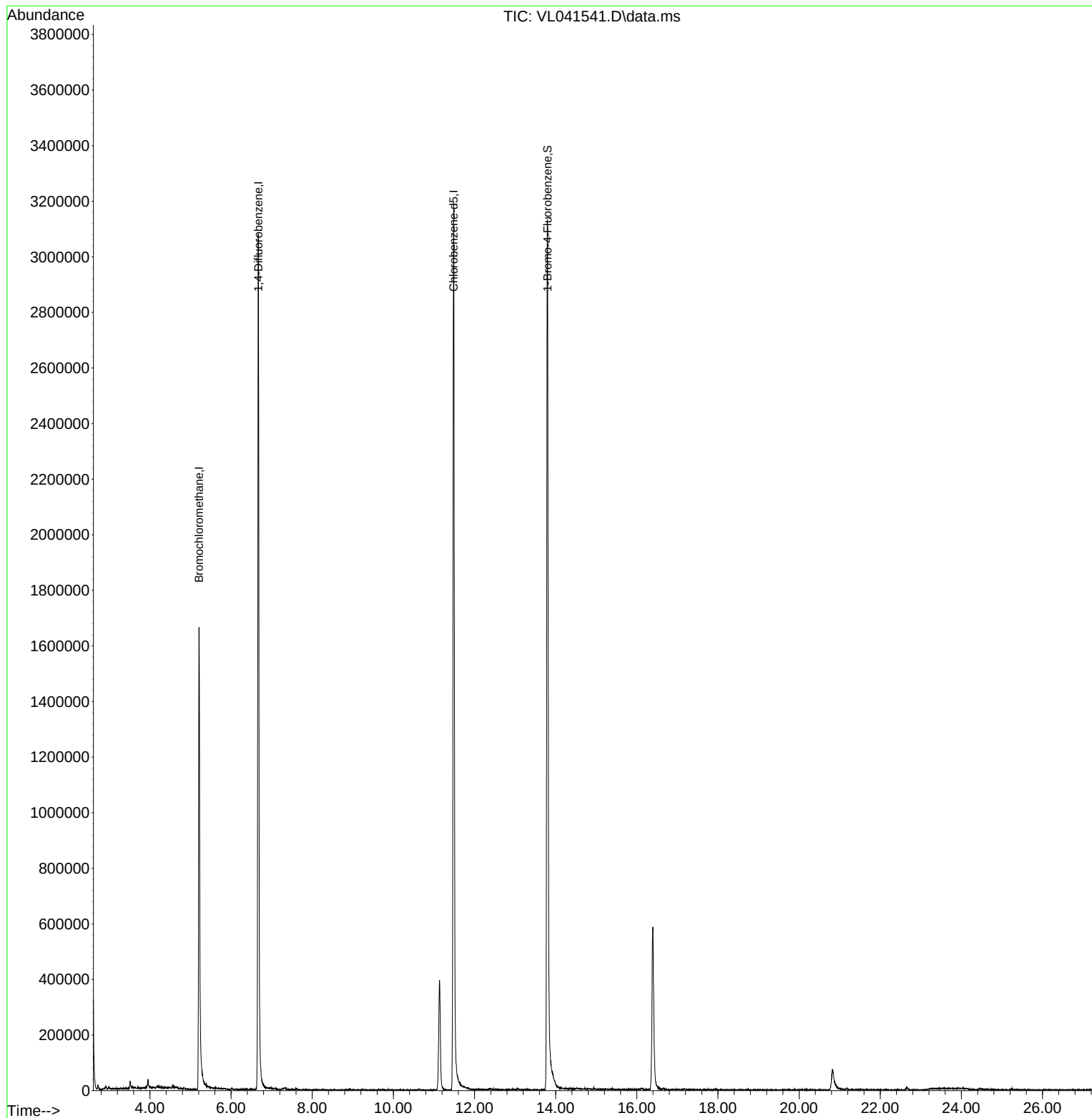
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
Data File : VL041541.D
Acq On : 19 Aug 2024 10:07
Operator : SY/MD
Sample : VL0819ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABL01

Quant Time: Aug 20 02:14:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041542.D
 Acq On : 19 Aug 2024 10:48
 Operator : SY/MD
 Sample : VL0819ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Quant Time: Aug 20 02:14:35 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 08/20/2024
 Supervised By : Mahesh Dadoda 08/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	953834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2568604	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2570572	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 1934486 9.779 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	866011	5.278	ppbv	100
3) Chlorodifluoromethane	2.694	51	1148497	10.115	ppbv	100
4) Chloromethane	2.832	50	626957	10.381	ppbv	99
5) Vinyl Chloride	2.941	62	632244	10.621	ppbv	96
6) Bromomethane	3.141	94	337860	11.043	ppbv	98
7) Chloroethane	3.214	64	227400	11.069	ppbv	96
8) Dichlorotetrafluoroethane	2.877	85	1381485	9.502	ppbv	99
9) Propene	2.713	41	529749	10.156	ppbv	98
10) Heptane	7.600	43	1331349	11.360	ppbv	100
11) Trichlorofluoromethane	3.581	101	1495695	10.264	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.086	101	1072747	10.223	ppbv	100
13) Ethanol	3.259	45	36448m	7.818	ppbv	
14) Bromoethene	3.385	108	429951	10.510	ppbv	99
15) Acetone	3.488	43	1136536	10.487	ppbv	99
16) 1,3-Butadiene	3.005	39	616058	10.640	ppbv	99
17) tert-Butyl alcohol	3.896	59	1138725	11.521	ppbv	100
18) 1,1-Dichloroethene	3.899	96	490575	10.929	ppbv	96
19) Isopropyl Alcohol	3.594	45	662593	10.458	ppbv #	98
20) Methylene Chloride	3.951	84	468002	11.580	ppbv	95
21) Allyl Chloride	4.015	41	776304	10.923	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	469979	10.471	ppbv	97
23) Vinyl Acetate	4.645	43	984169	11.890	ppbv #	98
24) 1,1-Dichloroethane	4.581	63	1033773	10.608	ppbv	99
25) Ethyl Acetate	5.224	43	2417577	11.229	ppbv	99
26) Hexane	5.234	57	1027698	11.507	ppbv	97
27) Carbon Disulfide	4.144	76	1155043	11.055	ppbv	99
28) Methyl tert-Butyl Ether	4.603	73	589223	10.461	ppbv	100
29) Chloroform	5.295	83	1534946	10.536	ppbv	99
30) Cyclohexane	6.623	84	826550	11.364	ppbv	99
31) cis-1,2-Dichloroethene	5.099	61	959317	10.873	ppbv	99
32) 1,1,1-Trichloroethane	6.025	97	1517453	10.701	ppbv	100
34) 2-Butanone	4.806	43	1409794	11.346	ppbv	100
35) Carbon Tetrachloride	6.513	117	1592749	11.242	ppbv	98
36) Benzene	6.391	78	2079587	11.080	ppbv	98
37) 1,2-Dichloroethane	5.829	62	1168791	11.126	ppbv	100
38) Trichloroethene	7.311	130	970933	11.292	ppbv	97
39) 1,2-Dichloropropane	7.095	63	802701	11.171	ppbv	96
40) 1,4-Dioxane	7.308	88	276693	9.586	ppbv #	52
41) Tetrahydrofuran	5.574	42	830620	11.688	ppbv	98
42) Bromodichloromethane	7.269	83	1674518	11.039	ppbv	98
43) Methyl Methacrylate	7.494	69	830856	12.345	ppbv	99
44) 2,2,4-Trimethylpentane	7.346	57	3498360	11.160	ppbv	99
45) t-1,3-Dichloropropene	8.732	75	832465	13.438	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041542.D
 Acq On : 19 Aug 2024 10:48
 Operator : SY/MD
 Sample : VL0819ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0819ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
 Supervised By :Mahesh Dadoda 08/20/2024

Quant Time: Aug 20 02:14:35 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	1134089	12.678	ppbv	98
47) 1,1,2-Trichloroethane	8.922	97	871843	11.007	ppbv	98
48) Dibromochloromethane	9.732	129	1455263	11.405	ppbv	100
49) Bromoform	12.430	173	1269504	11.778	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	2350707	11.991	ppbv	99
51) 2-Hexanone	9.571	43	1863582	12.572	ppbv #	99
52) Tetrachloroethene	10.639	164	782284	10.787	ppbv	98
53) Toluene	9.243	91	2430940	11.628	ppbv	100
54) 1,2-Dibromoethane	10.031	107	1250868	11.865	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.529	131	1071372	10.747	ppbv #	59
57) Chlorobenzene	11.549	112	1920481	10.493	ppbv	98
58) Ethyl Benzene	12.111	91	3271939	11.043	ppbv	98
59) m/p-Xylene	12.391	91	5625619m	21.995	ppbv	
60) o-Xylene	13.079	91	2684986	11.097	ppbv	100
61) Styrene	12.918	104	1314788	12.045	ppbv	98
62) Isopropylbenzene	14.050	105	3916892	10.649	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	1660380	10.867	ppbv	100
64) n-propylbenzene	14.937	120	1051699	10.937	ppbv	95
65) tert-Butylbenzene	16.111	119	3561329	10.720	ppbv	100
66) Benzyl Chloride	16.349	91	293870	13.791	ppbv	99
67) sec-Butylbenzene	16.658	105	4963512	10.844	ppbv	100
69) p-Isopropyltoluene	17.015	119	4185466	11.019	ppbv	99
70) n-Butylbenzene	17.908	91	4322218	11.100	ppbv	100
71) 2-Chlorotoluene	14.822	91	2956439	10.899	ppbv	99
72) 4-Ethyltoluene	15.214	105	3303117	11.596	ppbv	99
73) 1,3,5-Trimethylbenzene	15.372	105	2807444	11.440	ppbv	98
74) 1,2,4-Trimethylbenzene	16.130	105	3111891	10.908	ppbv	99
75) 1,3-Dichlorobenzene	16.352	146	1936719	10.799	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	1874477	10.794	ppbv	99
77) 1,2-Dichlorobenzene	17.166	146	1866349	10.498	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1419954	9.366	ppbv	100
79) Naphthalene	21.407	128	3143301	12.483	ppbv	99
80) Naphthalene,2-methyl-	24.394	142	2571622	12.183	ppbv	99
81) 1,2,4-Trichlorobenzene	21.166	180	1655281	11.046	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
Data File : VL041542.D
Acq On : 19 Aug 2024 10:48
Operator : SY/MD
Sample : VL0819ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0819ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/20/2024
Supervised By :Mahesh Dadoda 08/20/2024

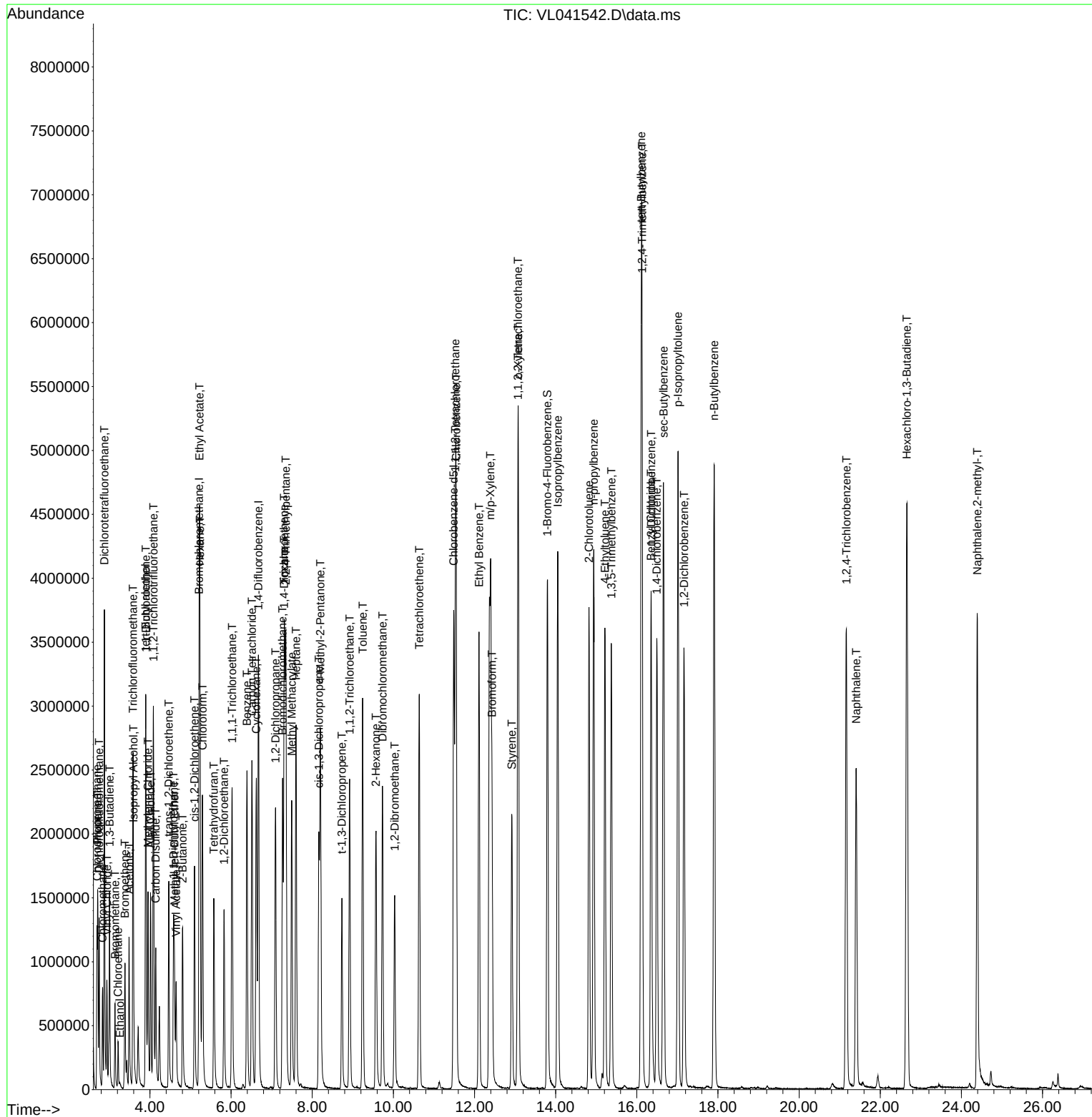
Quant Time: Aug 20 02:14:35 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Tue Aug 20 02:10:04 2024

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
 Data File : VL041545.D
 Acq On : 19 Aug 2024 12:51
 Operator : SY/MD
 Sample : QC081424 CAN 10054
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC081424 CAN 10054

Quant Time: Aug 20 02:16:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 20 02:10:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.214	49	919015	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2504237	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2251168	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1729778	9.985	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

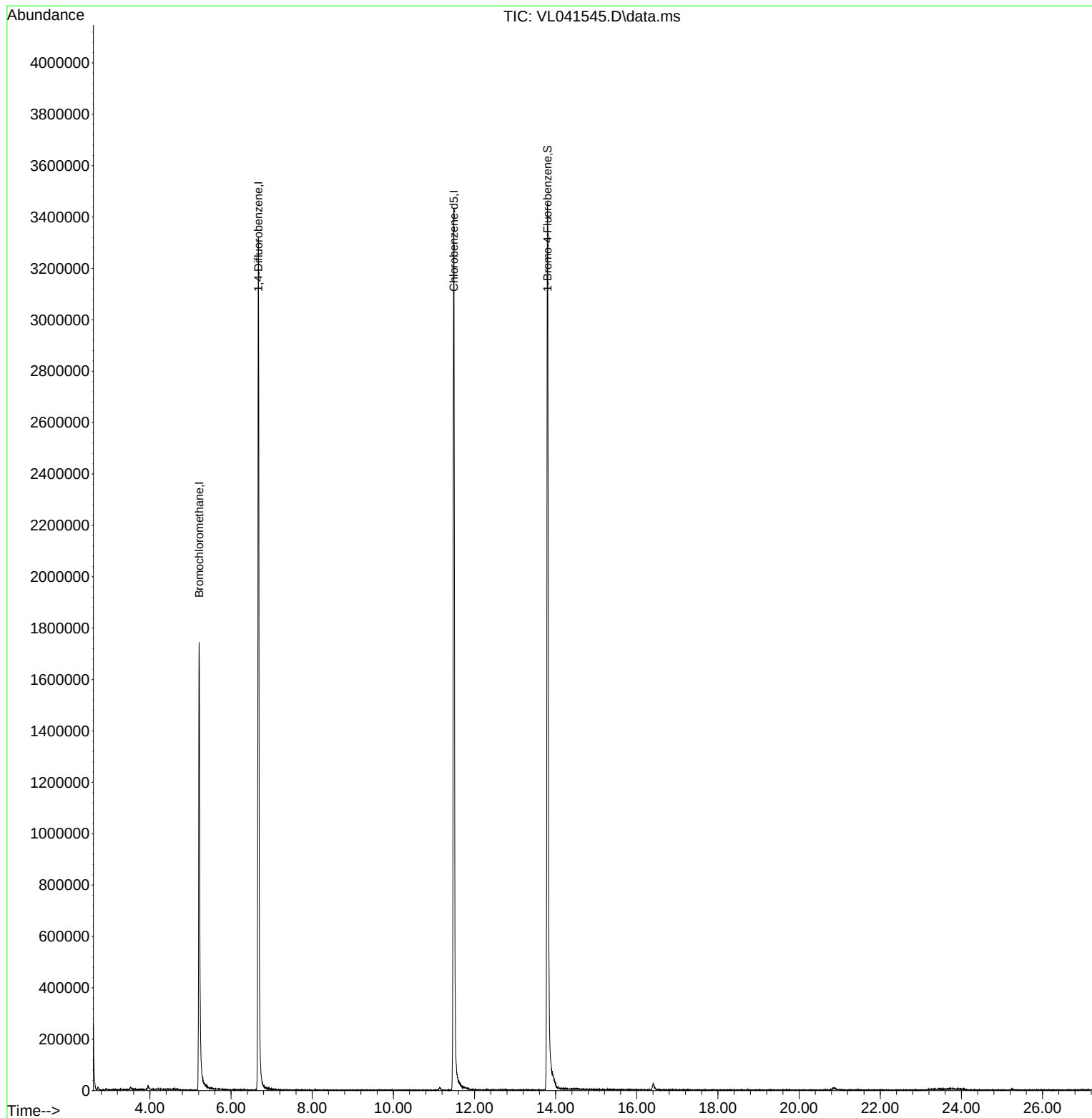
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081924\
Data File : VL041545.D
Acq On : 19 Aug 2024 12:51
Operator : SY/MD
Sample : QC081424 CAN 10054
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC081424 CAN 10054

Quant Time: Aug 20 02:16:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 20 02:10:04 2024
Response via : Initial Calibration



Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL072524

Review By	Semsettin Yesilyurt	Review On	7/29/2024 10:58:46 AM
Supervise By	Mahesh Dadoda	Supervise On	7/29/2024 5:57:16 PM
SubDirectory	VL072524	HP Acquire Method	AIR-TO15
		HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2535		
Initial Calibration Stds	AP2539,AP2540,AP2541		
CCC	AP2539		
Internal Standard/PEM	AP2535		
ICV/I.BLK	AP2537		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041397.D	25 Jul 2024 12:29	SY/MD	Ok
2	VSTDICC0.5	VL041398.D	25 Jul 2024 13:19	SY/MD	Ok,M
3	VSTDICCC010	VL041399.D	25 Jul 2024 13:59	SY/MD	Ok,M
4	VSTDICC002	VL041400.D	25 Jul 2024 14:40	SY/MD	Ok,M
5	VSTDICC001	VL041401.D	25 Jul 2024 15:19	SY/MD	Ok,M
6	VSTDICC0.5	VL041402.D	25 Jul 2024 16:00	SY/MD	Not Ok
7	VSTDICC0.1	VL041403.D	25 Jul 2024 16:42	SY/MD	Ok,M
8	VSTDICC0.03	VL041404.D	25 Jul 2024 17:24	SY/MD	Ok,M
9	VSTDICC015	VL041405.D	25 Jul 2024 18:06	SY/MD	Ok,M
10	VSTDICV010	VL041406.D	25 Jul 2024 19:31	SY/MD	Ok,M
11	VL0725ABL01	VL041407.D	25 Jul 2024 20:56	SY/MD	Ok
12	VL0725ABS01	VL041408.D	25 Jul 2024 21:38	SY/MD	Ok,M
13	VIBLK	VL041409.D	25 Jul 2024 22:20	SY/MD	Ok
14	P3320-01	VL041410.D	26 Jul 2024 7:22	SY/MD	Ok,M
15	P3320-01DUP	VL041411.D	26 Jul 2024 8:02	SY/MD	Ok,M
16	P3320-02	VL041412.D	26 Jul 2024 8:43	SY/MD	Dilution
17	P3342-04	VL041413.D	26 Jul 2024 9:24	SY/MD	Ok,M
18	P3356-01	VL041414.D	26 Jul 2024 10:04	SY/MD	Dilution
19	P3356-02	VL041415.D	26 Jul 2024 10:45	SY/MD	Ok,M
20	P3320-02DL	VL041416.D	26 Jul 2024 11:25	SY/MD	Ok,M
21	P3356-01DL	VL041417.D	26 Jul 2024 12:05	SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL072524

Review By	Semsettin Yesilyurt	Review On	7/29/2024 10:58:46 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/29/2024 5:57:16 PM		
SubDirectory	VL072524	HP Acquire Method	AIR-TO15	HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2535				
Initial Calibration Stds	AP2539,AP2540,AP2541				
CCC	AP2539				
Internal Standard/PEM	AP2535				
ICV/I.BLK	AP2537				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	VSTDCCC010	VL041418.D	26 Jul 2024 12:45	SY/MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL081924

Review By	Semsettin Yesilyurt	Review On	8/20/2024 2:35:55 PM
Supervise By	Maresh Dadoda	Supervise On	8/20/2024 4:35:44 PM
SubDirectory	VL081924	HP Acquire Method	AIR-TO15
		HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2536		
Initial Calibration Stds	AP2539,AP2540,AP2541		
CCC	AP2539		
Internal Standard/PEM	AP2536		
ICV/I.BLK	AP2537		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041539.D	19 Aug 2024 8:10	SY/MD	Ok
2	VSTDCCC010	VL041540.D	19 Aug 2024 8:59	SY/MD	Ok,M
3	VL0819ABL01	VL041541.D	19 Aug 2024 10:07	SY/MD	Ok
4	VL0819ABS01	VL041542.D	19 Aug 2024 10:48	SY/MD	Ok,M
5	QC081324 CAN 10604	VL041543.D	19 Aug 2024 11:29	SY/MD	Ok
6	QC081424 CAN 10280	VL041544.D	19 Aug 2024 12:10	SY/MD	Ok
7	QC081424 CAN 10054	VL041545.D	19 Aug 2024 12:51	SY/MD	Ok
8	P3658-01	VL041546.D	19 Aug 2024 13:33	SY/MD	Ok,M
9	P3658-01DUP	VL041547.D	19 Aug 2024 14:14	SY/MD	Ok,M
10	P3658-02	VL041548.D	19 Aug 2024 14:56	SY/MD	Ok,M
11	P3659-01	VL041549.D	19 Aug 2024 15:40	SY/MD	Ok,M
12	P3658-03	VL041550.D	19 Aug 2024 16:25	SY/MD	Ok,M
13	P3658-03DL	VL041551.D	19 Aug 2024 17:11	SY/MD	Not Ok
14	P3658-04	VL041552.D	19 Aug 2024 17:56	SY/MD	ReRun
15	P3658-04DL	VL041553.D	19 Aug 2024 18:40	SY/MD	Confirms
16	P3658-05	VL041554.D	19 Aug 2024 19:24	SY/MD	ReRun
17	P3658-05DL	VL041555.D	19 Aug 2024 20:09	SY/MD	Confirms
18	P3659-02	VL041556.D	19 Aug 2024 20:53	SY/MD	Dilution
19	P3659-02DL	VL041557.D	19 Aug 2024 21:36	SY/MD	Dilution

M : Manual Integration

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041859.D
 Acq On : 09 Jan 2025 11:19
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Jan 10 00:13:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	150033	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.985	114	442867	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	410499	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	328846	9.353	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	226313	9.193	ppbv	100
3) Chlorodifluoromethane	1.483	51	247353	10.516	ppbv	99
4) Chloromethane	1.541	50	85664	8.462	ppbv	100
5) Vinyl Chloride	1.586	62	86352	8.457	ppbv	100
6) Bromomethane	1.677	94	39829	9.107	ppbv	100
7) Chloroethane	1.713	64	34351	8.740	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	195898	9.224	ppbv	100
9) Propene	1.489	41	112124	13.692	ppbv	100
10) Heptane	5.014	43	303272	14.992	ppbv	100
11) Trichlorofluoromethane	1.887	101	222752	8.899	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.153	101	181116	9.715	ppbv	100
13) Ethanol	1.729	45	4464	4.150	ppbv	87
14) Bromoethene	1.790	108	65566	10.743	ppbv	100
15) Acetone	1.845	43	183039	6.626	ppbv	99
16) 1,3-Butadiene	1.615	39	86059	7.945	ppbv	98
17) tert-Butyl alcohol	2.052	59	256303	10.708	ppbv	100
18) 1,1-Dichloroethene	2.046	96	81423	10.432	ppbv	100
19) Isopropyl Alcohol	1.897	45	110578	8.528	ppbv	99
20) Methylene Chloride	2.072	84	71501	9.055	ppbv	100
21) Allyl Chloride	2.107	41	141576	9.950	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	92062	10.553	ppbv	100
23) Vinyl Acetate	2.480	43	121914	14.191	ppbv	100
24) 1,1-Dichloroethane	2.425	63	177291	9.286	ppbv	100
25) Ethyl Acetate	2.855	43	589565	12.728	ppbv	100
26) Hexane	2.845	57	236237	14.695	ppbv	100
27) Carbon Disulfide	2.162	76	226986	14.877	ppbv	98
28) Methyl tert-Butyl Ether	2.457	73	170565	14.077	ppbv	100
29) Chloroform	2.868	83	328206	10.989	ppbv	100
30) Cyclohexane	3.884	84	204595	16.783	ppbv	99
31) cis-1,2-Dichloroethene	2.739	61	230732	13.944	ppbv	100
32) 1,1,1-Trichloroethane	3.392	97	328356	12.132	ppbv	100
34) 2-Butanone	2.573	43	333402	9.557	ppbv	100
35) Carbon Tetrachloride	3.787	117	324320	9.690	ppbv	100
36) Benzene	3.680	78	486852	11.507	ppbv	100
37) 1,2-Dichloroethane	3.240	62	249944	8.987	ppbv	100
38) Trichloroethene	4.577	130	188346	11.576	ppbv	100
39) 1,2-Dichloropropane	4.344	63	171561	10.483	ppbv	100
40) 1,4-Dioxane	4.616	88	83645	13.205	ppbv #	100
41) Tetrahydrofuran	3.075	42	201204	12.243	ppbv	100
42) Bromodichloromethane	4.522	83	355888	10.910	ppbv	100
43) Methyl Methacrylate	4.914	69	199710	15.032	ppbv	100
44) 2,2,4-Trimethylpentane	4.674	57	809851	11.618	ppbv	100
45) t-1,3-Dichloropropene	6.454	75	212343	16.371	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041859.D
 Acq On : 09 Jan 2025 11:19
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

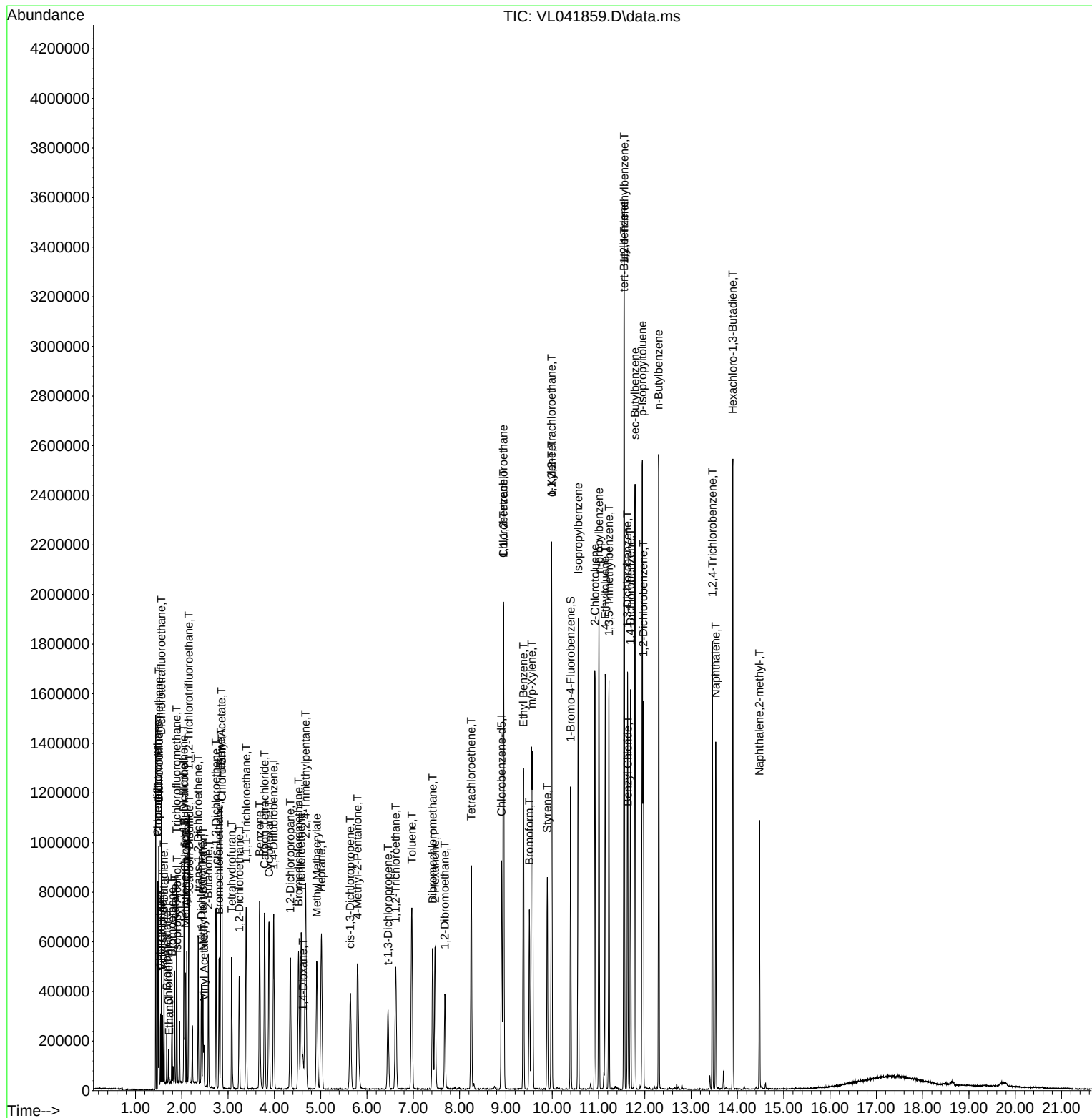
Quant Time: Jan 10 00:13:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

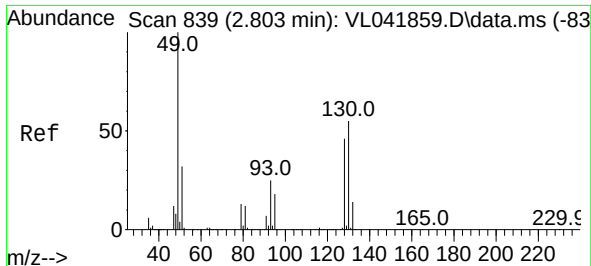
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.639	75	269395	15.773	ppbv	100
47) 1,1,2-Trichloroethane	6.619	97	176811	10.228	ppbv	100
48) Dibromochloromethane	7.419	129	290737	13.195	ppbv	100
49) Bromoform	9.506	173	257972	14.609	ppbv	100
50) 4-Methyl-2-Pentanone	5.797	43	490478	12.157	ppbv	100
51) 2-Hexanone	7.467	43	402499	13.184	ppbv	100
52) Tetrachloroethene	8.251	164	168568	13.437	ppbv	100
53) Toluene	6.969	91	574578	15.259	ppbv	100
54) 1,2-Dibromoethane	7.681	107	248821	11.739	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.946	131	224424	9.592	ppbv	99
57) Chlorobenzene	8.946	112	417085	9.725	ppbv	100
58) Ethyl Benzene	9.380	91	782806	13.992	ppbv	100
59) m/p-Xylene	9.558	91	635601	12.895	ppbv #	100
60) o-Xylene	9.985	91	605176	12.598	ppbv	100
61) Styrene	9.895	104	315614	16.935	ppbv	100
62) Isopropylbenzene	10.561	105	915687	12.133	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.985	83	362310	8.601	ppbv	100
64) n-propylbenzene	11.011	120	235202	12.148	ppbv	100
65) tert-Butylbenzene	11.552	119	801987	11.792	ppbv	100
66) Benzyl Chloride	11.636	91	88168	15.476	ppbv	100
67) sec-Butylbenzene	11.788	105	1100240	11.087	ppbv	100
69) p-Isopropyltoluene	11.947	119	952865	12.230	ppbv	100
70) n-Butylbenzene	12.300	91	946867	12.097	ppbv	100
71) 2-Chlorotoluene	10.921	91	700520	12.787	ppbv	100
72) 4-Ethyltoluene	11.144	105	745709	12.837	ppbv	100
73) 1,3,5-Trimethylbenzene	11.225	105	628921	12.361	ppbv	100
74) 1,2,4-Trimethylbenzene	11.558	105	663696	11.261	ppbv	100
75) 1,3-Dichlorobenzene	11.626	146	396672	10.056	ppbv	100
76) 1,4-Dichlorobenzene	11.691	146	396593	10.448	ppbv	100
77) 1,2-Dichlorobenzene	11.966	146	375622	9.138	ppbv	100
78) Hexachloro-1,3-Butadiene	13.902	225	293286	10.050	ppbv	100
79) Naphthalene	13.533	128	648444	14.936	ppbv	100
80) Naphthalene,2-methyl-	14.478	142	313057	19.482	ppbv	100
81) 1,2,4-Trichlorobenzene	13.458	180	313601	13.033	ppbv	100

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

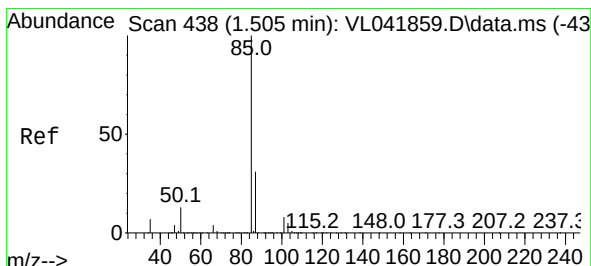
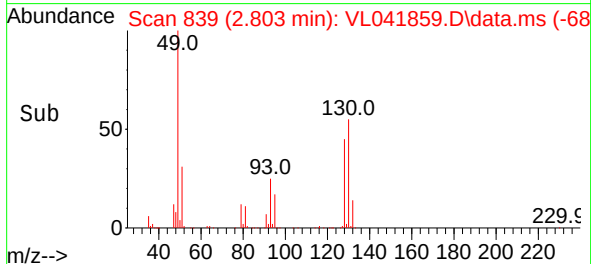
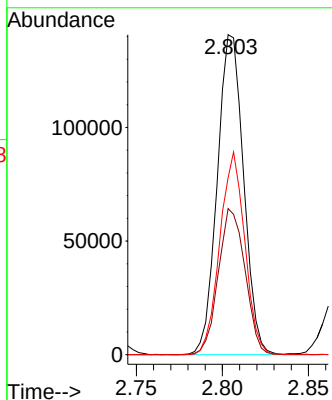
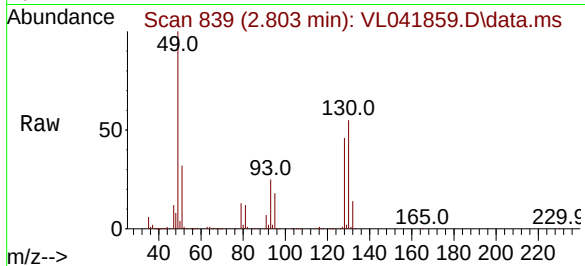




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

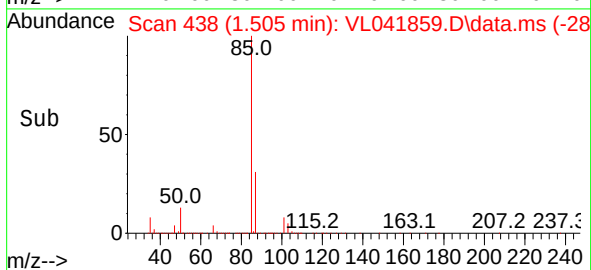
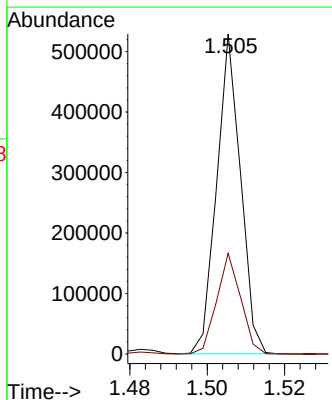
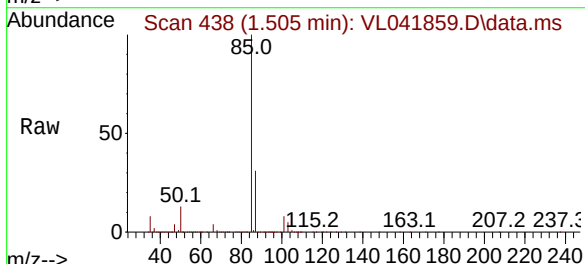
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

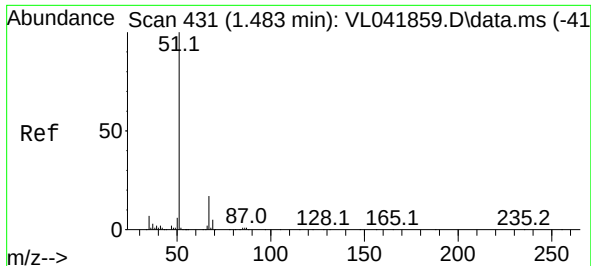
Tgt Ion: 49 Resp: 150033
Ion Ratio Lower Upper
49 100
128 46.3 23.2 69.5
130 59.9 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 9.193 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 85 Resp: 226313
Ion Ratio Lower Upper
85 100
87 31.5 25.2 37.8

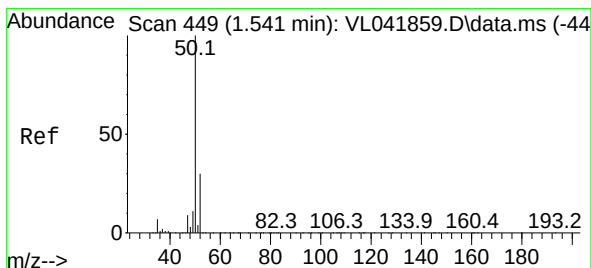
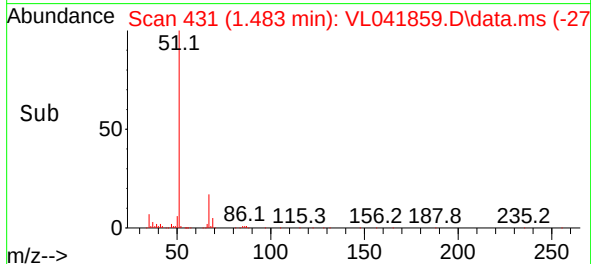
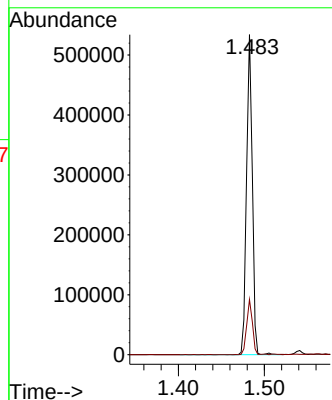
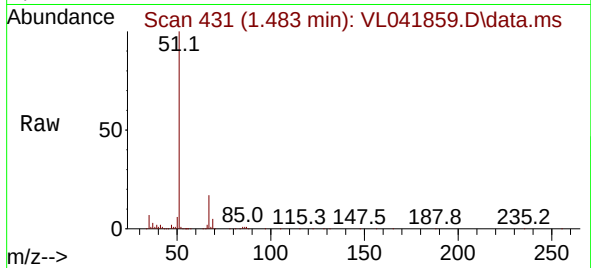




#3
Chlorodifluoromethane
Concen: 10.516 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

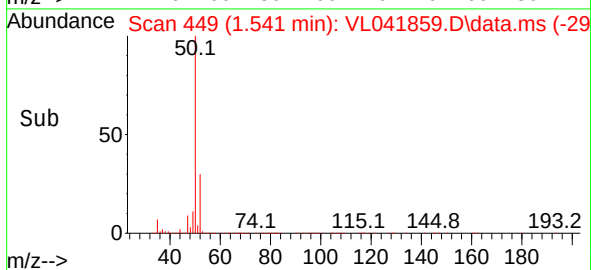
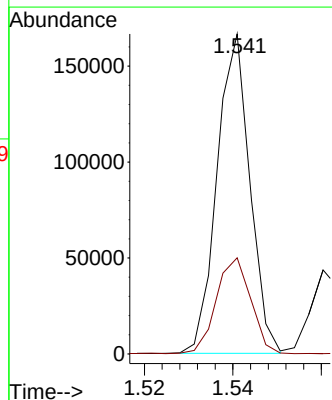
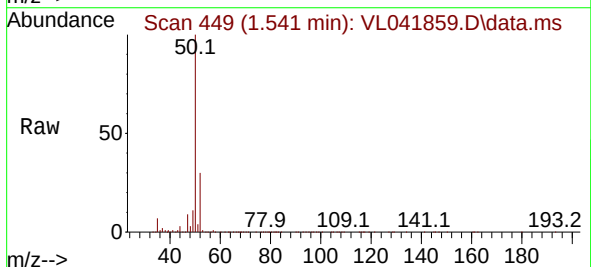
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

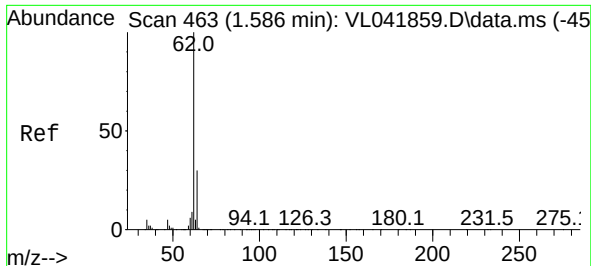
Tgt Ion: 51 Resp: 247353
Ion Ratio Lower Upper
51 100
67 17.6 13.8 20.8



#4
Chloromethane
Concen: 8.462 ppbv
RT: 1.541 min Scan# 449
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 50 Resp: 85664
Ion Ratio Lower Upper
50 100
52 29.9 23.9 35.9

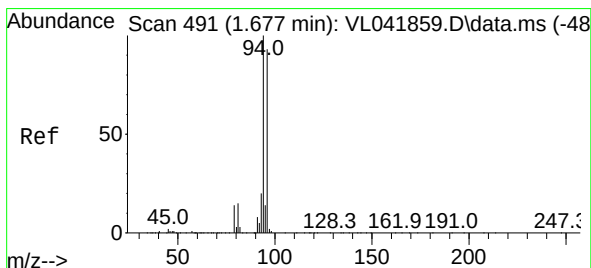
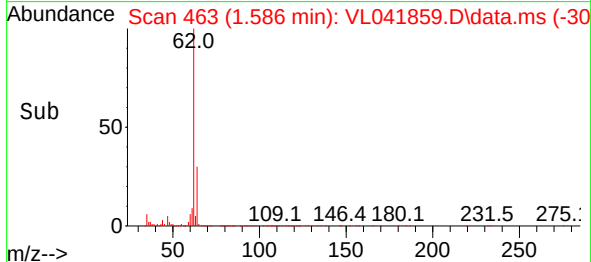
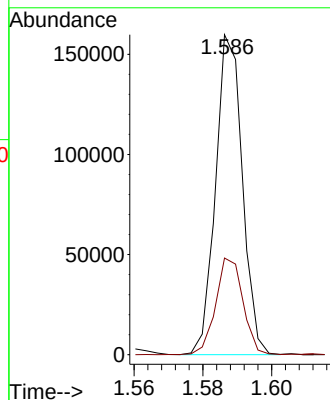
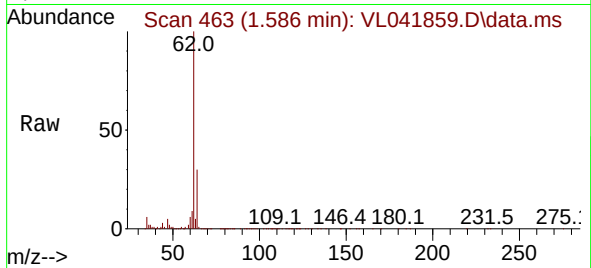




#5
 Vinyl Chloride
 Concen: 8.457 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

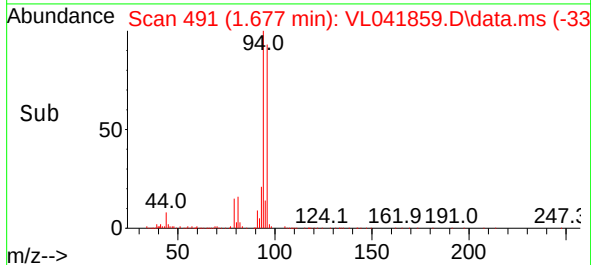
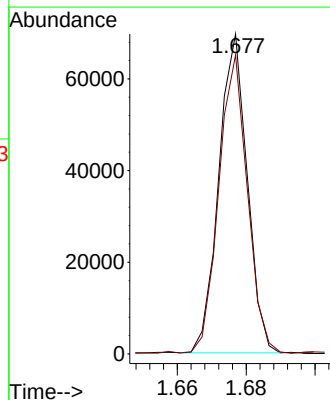
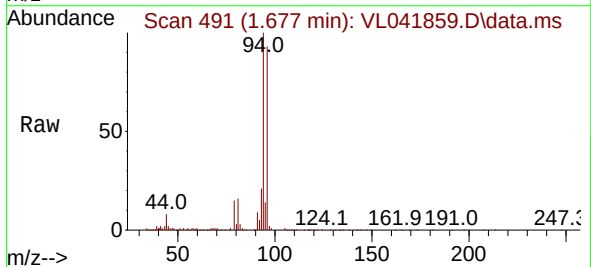
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

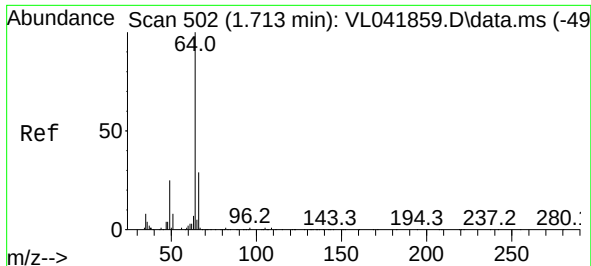
Tgt Ion: 62 Resp: 86352
 Ion Ratio Lower Upper
 62 100
 64 30.1 24.1 36.1



#6
 Bromomethane
 Concen: 9.107 ppbv
 RT: 1.677 min Scan# 491
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion: 94 Resp: 39829
 Ion Ratio Lower Upper
 94 100
 96 93.5 74.8 112.2

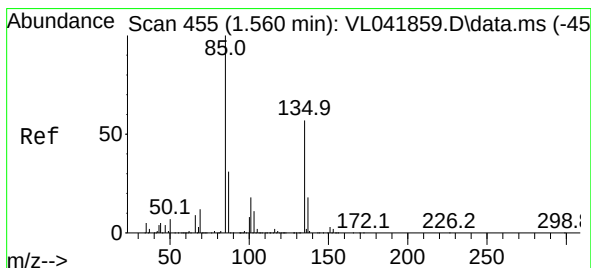
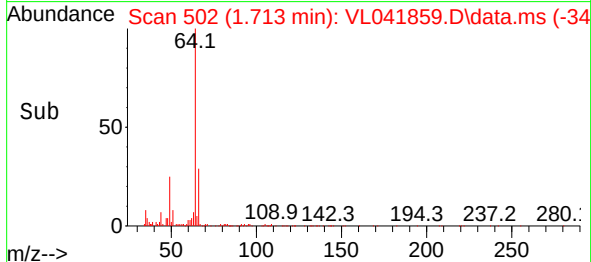
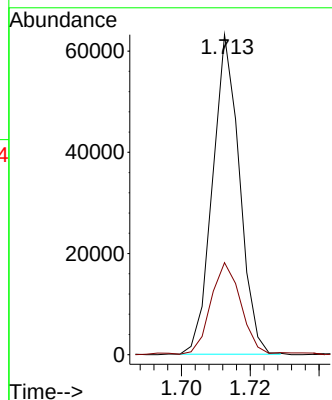
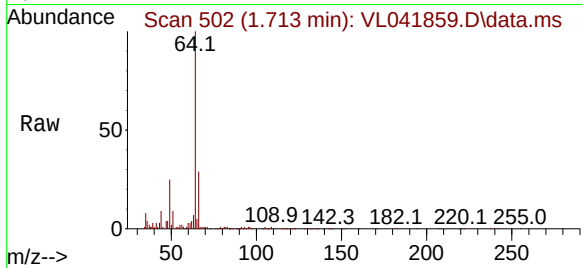




#7
Chloroethane
Concen: 8.740 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

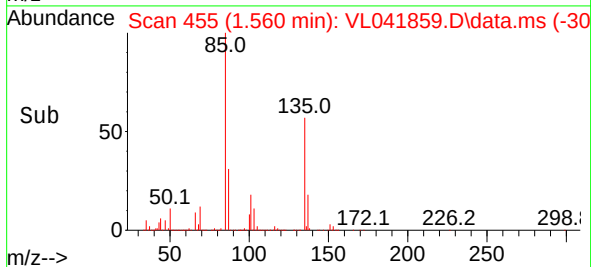
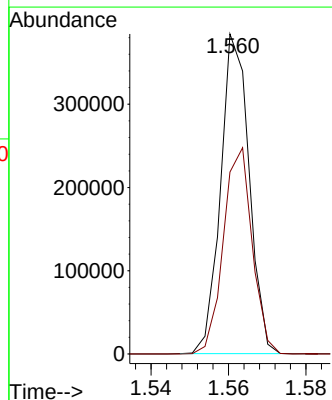
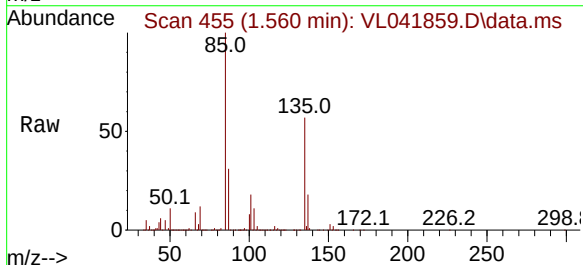
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

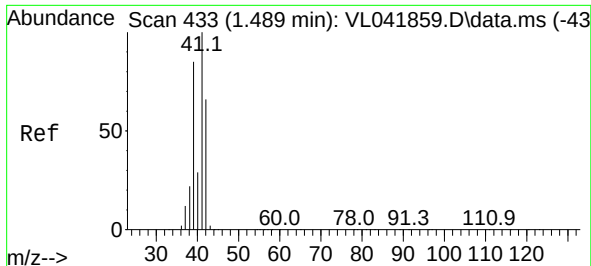
Tgt Ion: 64 Resp: 34351
Ion Ratio Lower Upper
64 100
66 28.8 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 9.224 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 85 Resp: 195898
Ion Ratio Lower Upper
85 100
135 65.3 52.2 78.4





#9

Propene

Concen: 13.692 ppbv

RT: 1.489 min Scan# 433

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

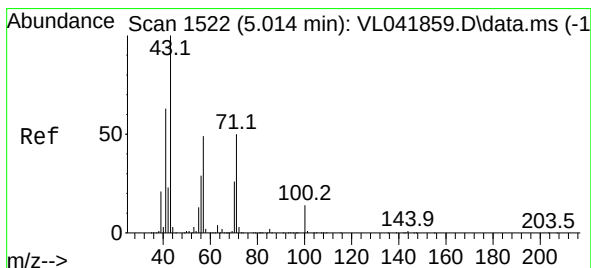
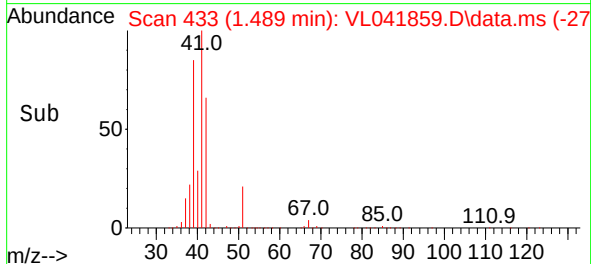
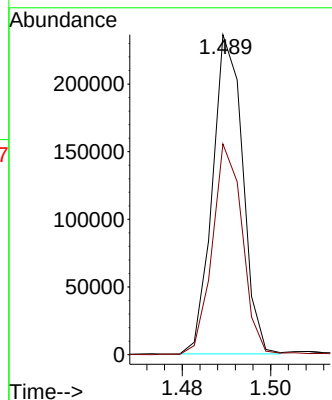
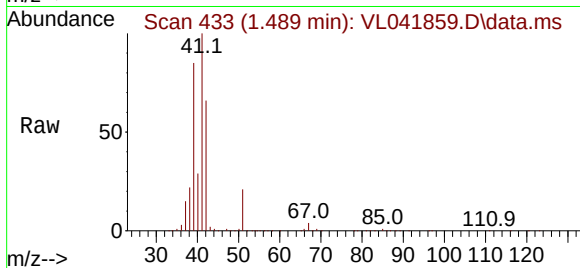
VSTDICCC010

Tgt Ion: 41 Resp: 112124

Ion Ratio Lower Upper

41 100

42 66.3 53.0 79.6



#10

Heptane

Concen: 14.992 ppbv

RT: 5.014 min Scan# 1522

Delta R.T. 0.000 min

Lab File: VL041859.D

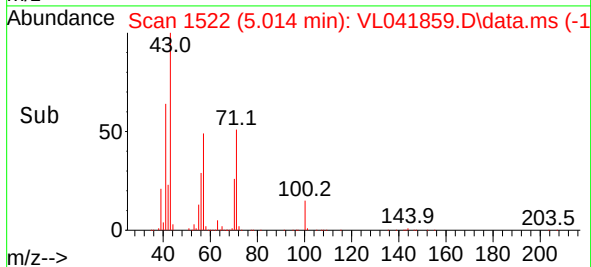
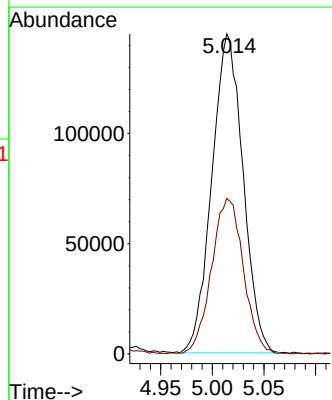
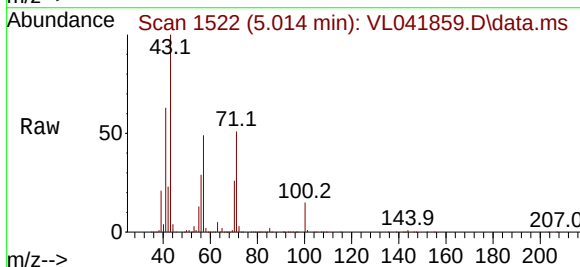
Acq: 09 Jan 2025 11:19

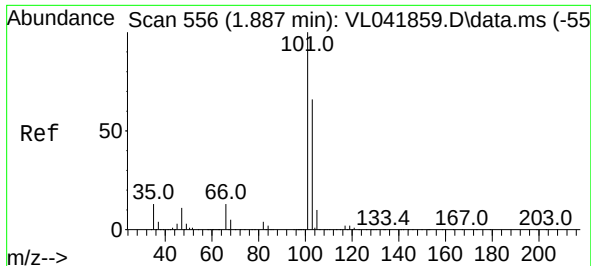
Tgt Ion: 43 Resp: 303272

Ion Ratio Lower Upper

43 100

57 49.9 40.2 60.2





#11

Trichlorofluoromethane

Concen: 8.899 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

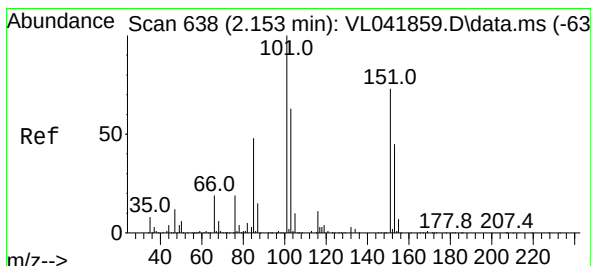
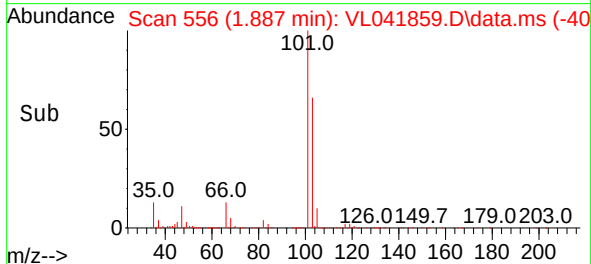
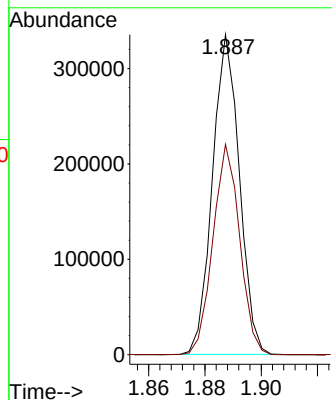
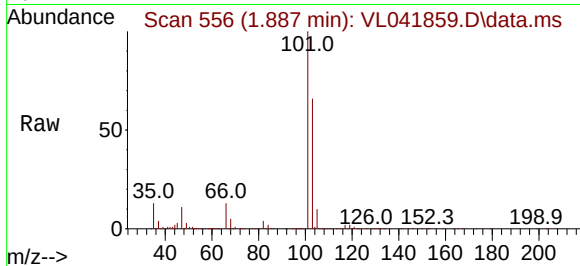
VSTDICCC010

Tgt Ion:101 Resp: 222752

Ion Ratio Lower Upper

101 100

103 65.7 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.715 ppbv

RT: 2.153 min Scan# 638

Delta R.T. 0.000 min

Lab File: VL041859.D

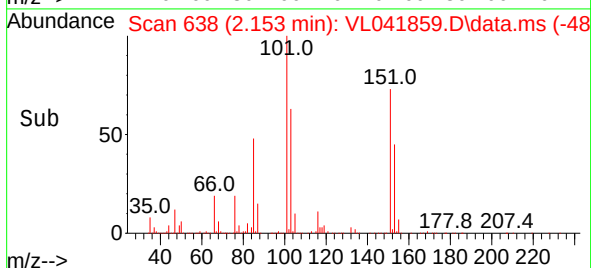
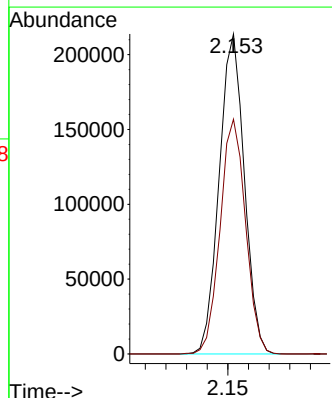
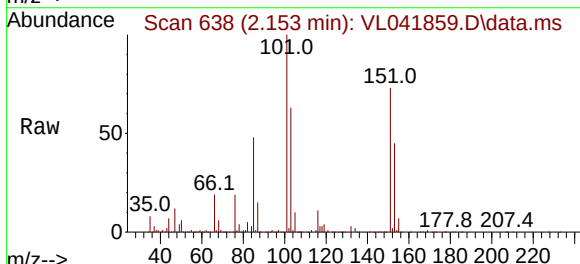
Acq: 09 Jan 2025 11:19

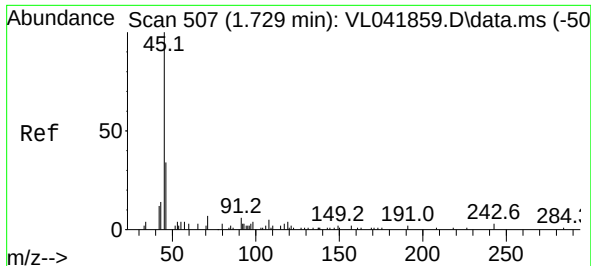
Tgt Ion:101 Resp: 181116

Ion Ratio Lower Upper

101 100

151 74.2 59.4 89.0





#13

Ethanol

Concen: 4.150 ppbv

RT: 1.729 min Scan# 507

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

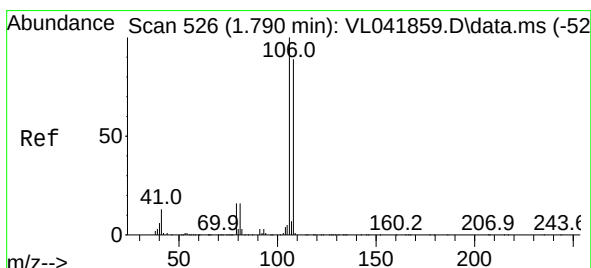
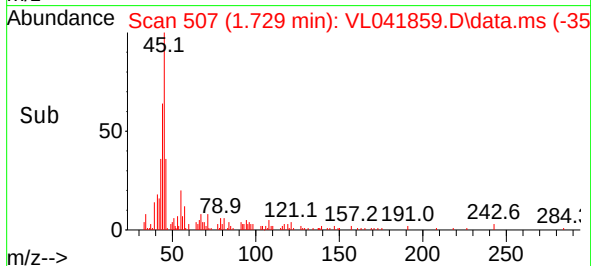
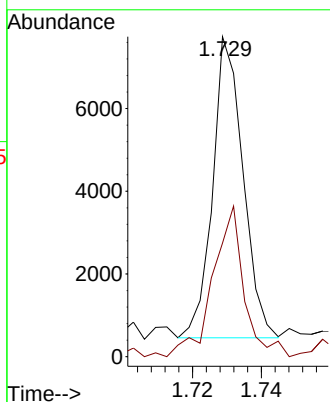
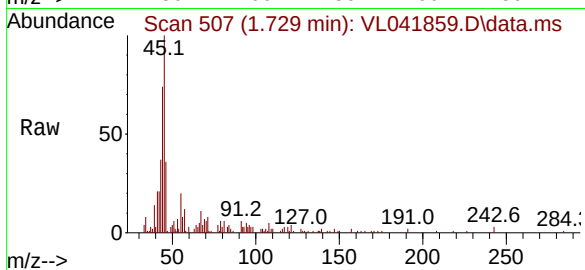
VSTDICCC010

Tgt Ion: 45 Resp: 4464

Ion Ratio Lower Upper

45 100

46 56.0 19.0 76.0



#14

Bromoethene

Concen: 10.743 ppbv

RT: 1.790 min Scan# 526

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

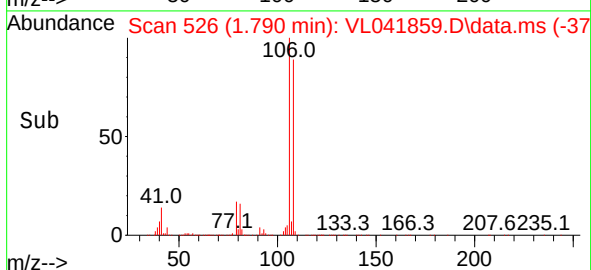
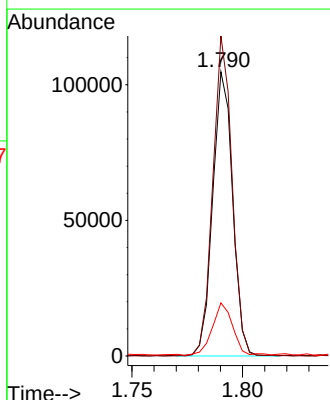
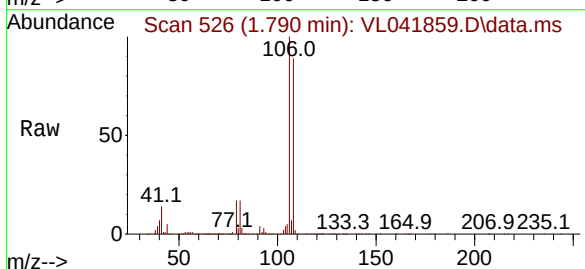
Tgt Ion: 108 Resp: 65566

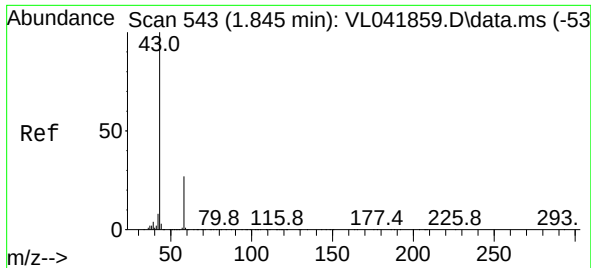
Ion Ratio Lower Upper

108 100

106 108.8 86.9 130.3

79 19.2 15.6 23.4

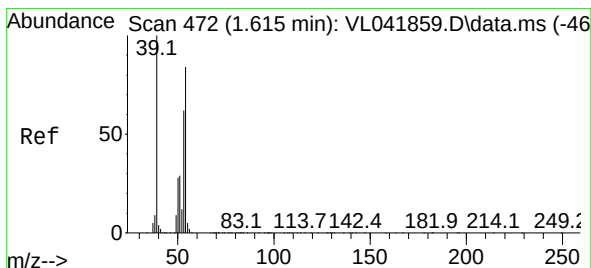
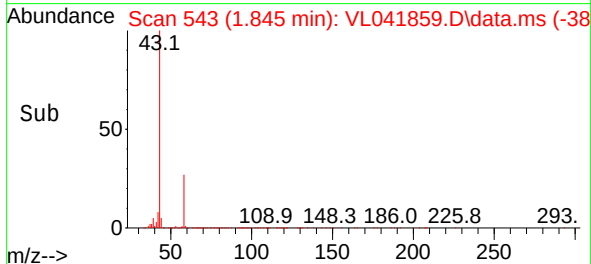
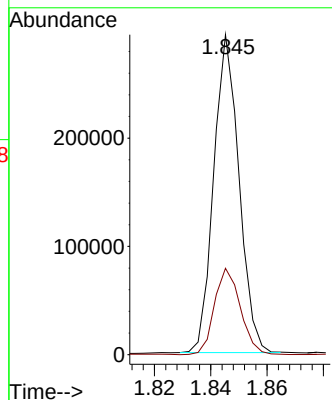
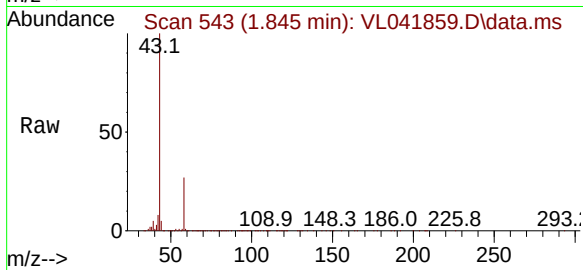




#15
Acetone
Concen: 6.626 ppbv
RT: 1.845 min Scan# 543
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

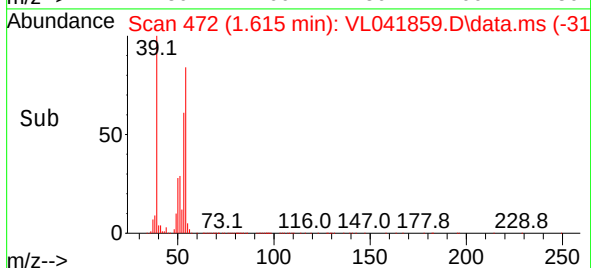
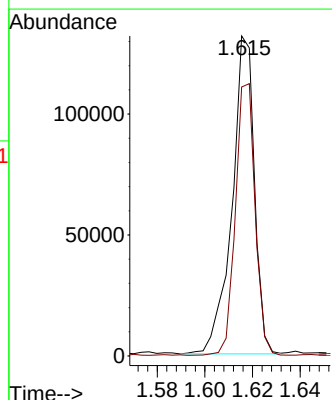
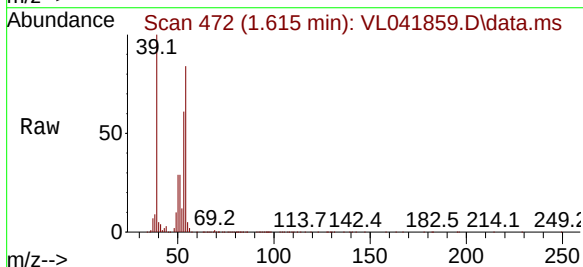
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

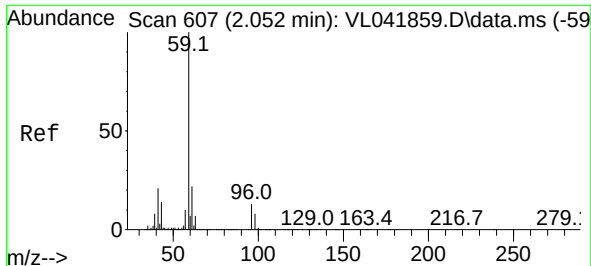
Tgt Ion: 43 Resp: 183039
Ion Ratio Lower Upper
43 100
58 28.0 22.7 34.1



#16
1,3-Butadiene
Concen: 7.945 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 39 Resp: 86059
Ion Ratio Lower Upper
39 100
54 76.6 60.1 90.1

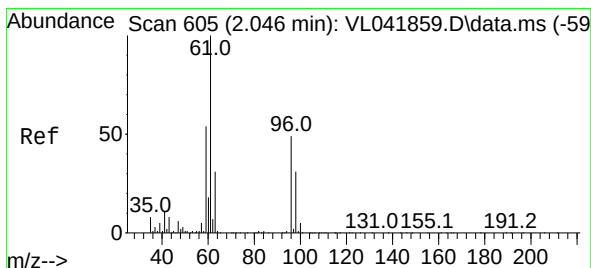
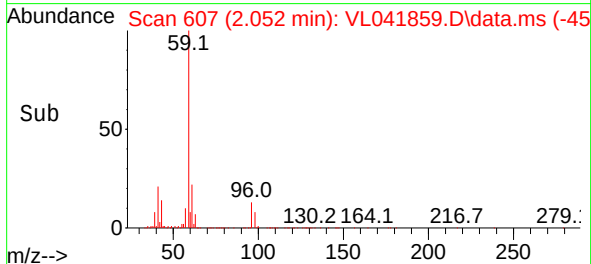
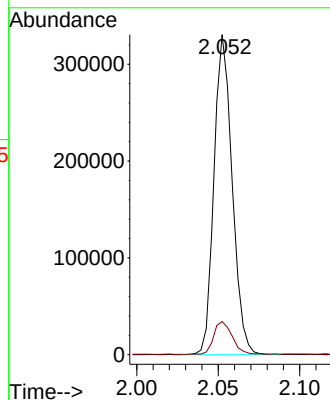
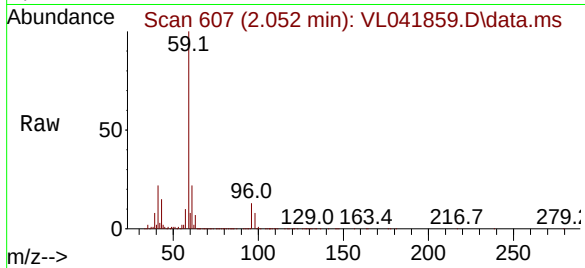




#17
tert-Butyl alcohol
Concen: 10.708 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

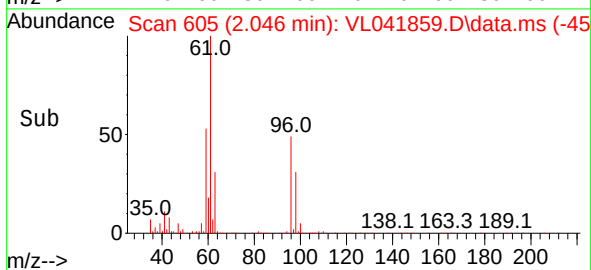
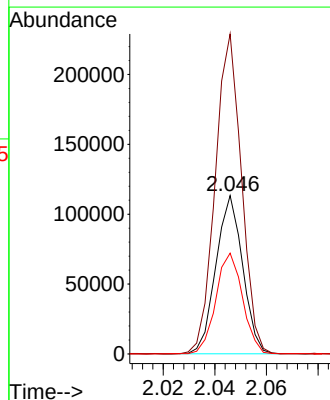
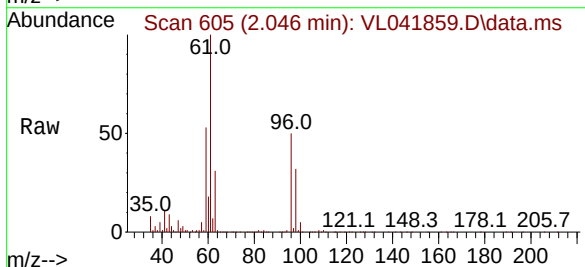
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

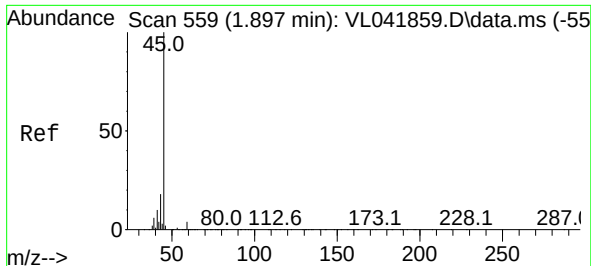
Tgt Ion: 59 Resp: 256303
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4



#18
1,1-Dichloroethene
Concen: 10.432 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 96 Resp: 81423
Ion Ratio Lower Upper
96 100
61 202.1 161.7 242.5
98 63.7 51.0 76.4





#19

Isopropyl Alcohol

Concen: 8.528 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_1

ClientSampleId :

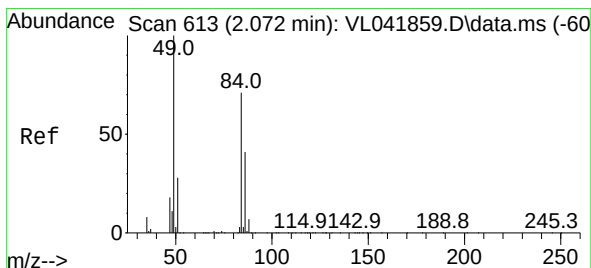
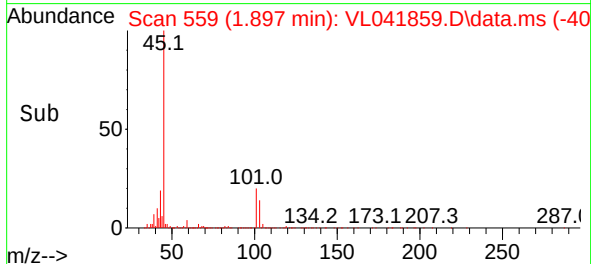
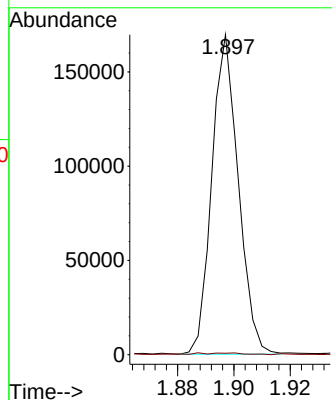
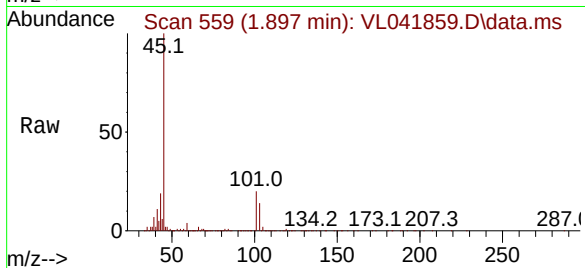
VSTDICCC010

Tgt Ion: 45 Resp: 110578

Ion Ratio Lower Upper

45 100

58 47.0 37.0 55.6



#20

Methylene Chloride

Concen: 9.055 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion: 84 Resp: 71501

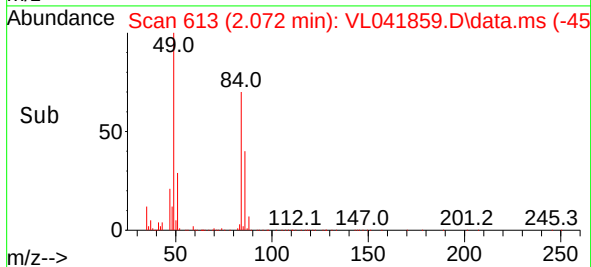
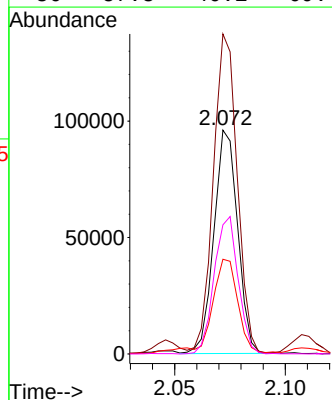
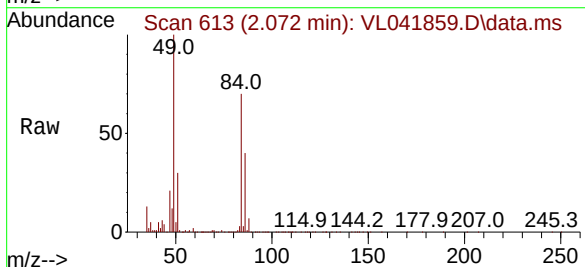
Ion Ratio Lower Upper

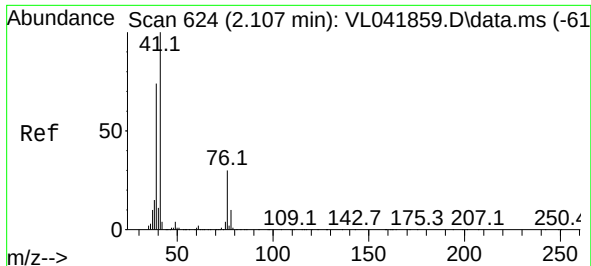
84 100

49 142.3 113.8 170.8

51 41.9 33.5 50.3

86 57.8 46.2 69.4





#21

Allyl Chloride

Concen: 9.950 ppbv

RT: 2.107 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

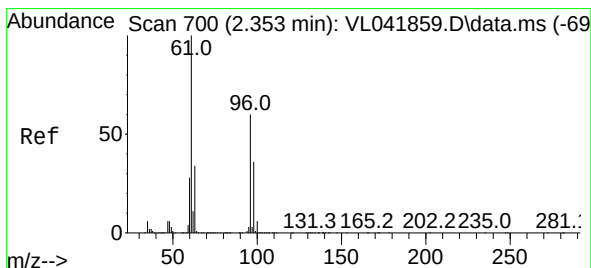
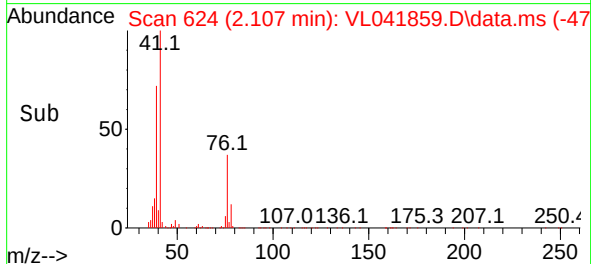
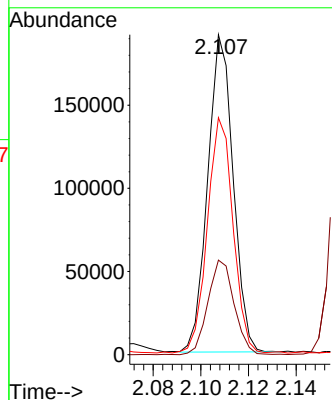
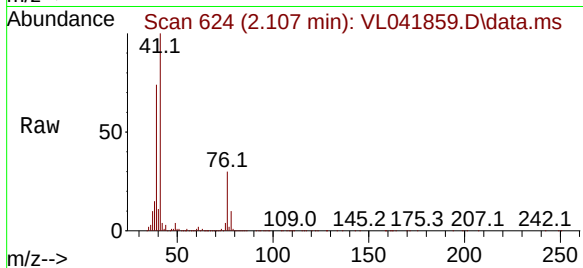
Tgt Ion: 41 Resp: 141576

Ion Ratio Lower Upper

41 100

76 30.8 24.6 36.8

39 74.4 60.1 90.1



#22

trans-1,2-Dichloroethene

Concen: 10.553 ppbv

RT: 2.353 min Scan# 700

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

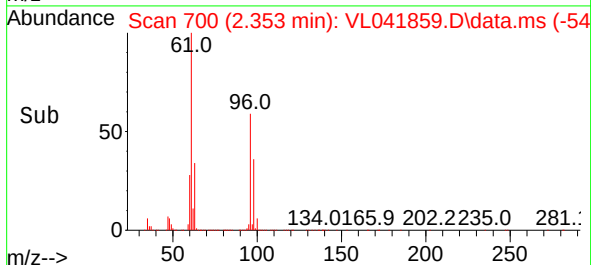
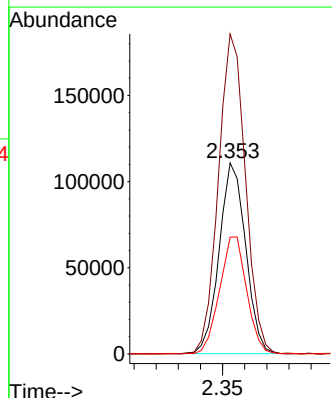
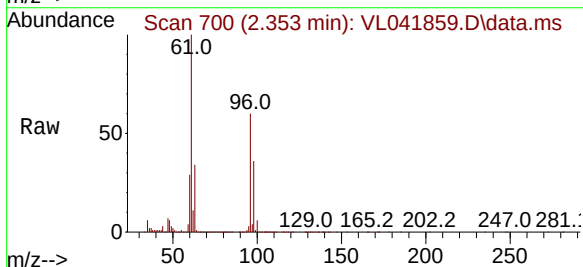
Tgt Ion: 96 Resp: 92062

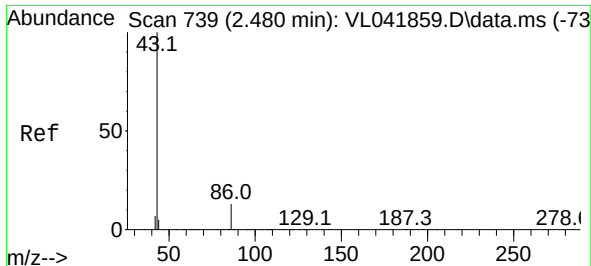
Ion Ratio Lower Upper

96 100

61 167.8 134.2 201.4

98 61.2 49.0 73.4



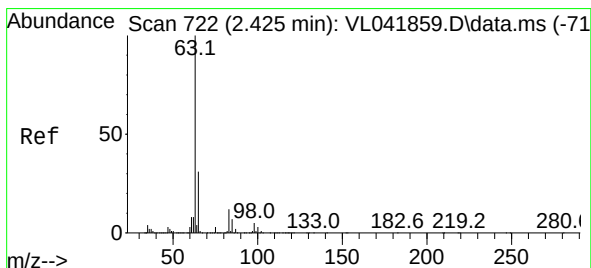
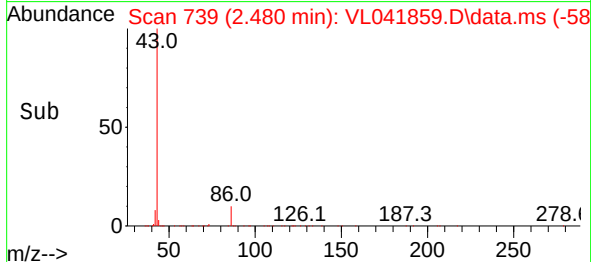
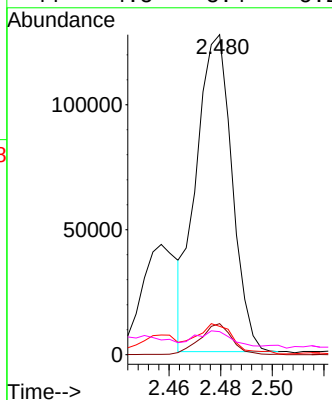
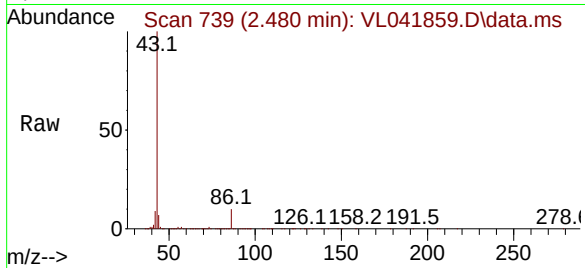


#23
 Vinyl Acetate
 Concen: 14.191 ppbv
 RT: 2.480 min Scan# 739
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 121914

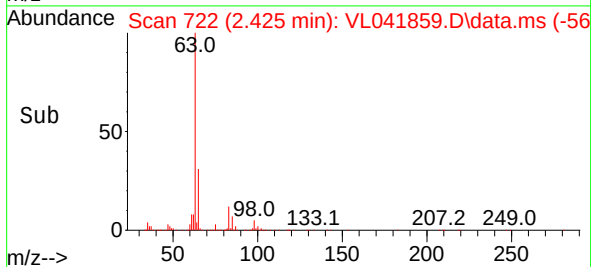
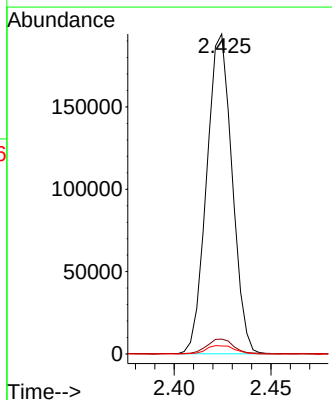
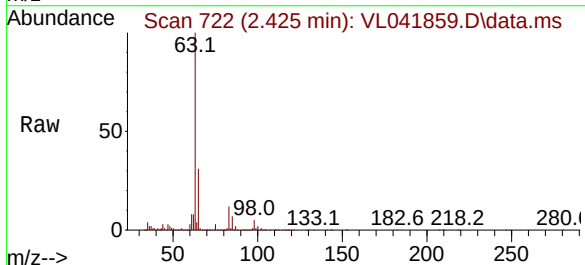
Ion	Ratio	Lower	Upper
43	100		
86	9.7	7.8	11.6
42	8.7	7.0	10.4
44	4.3	3.4	5.2

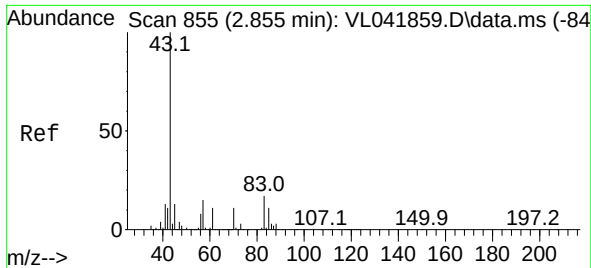


#24
 1,1-Dichloroethane
 Concen: 9.286 ppbv
 RT: 2.425 min Scan# 722
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion: 63 Resp: 177291

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.5	1.3	3.8

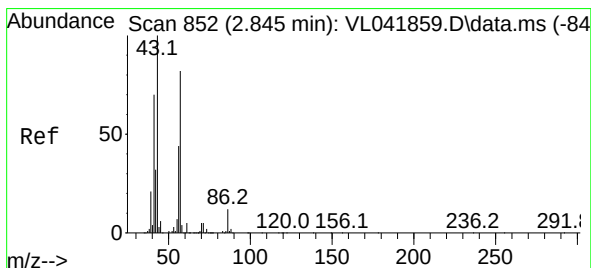
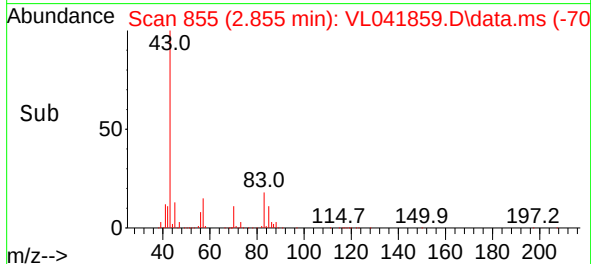
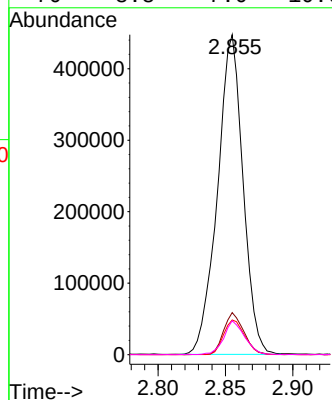
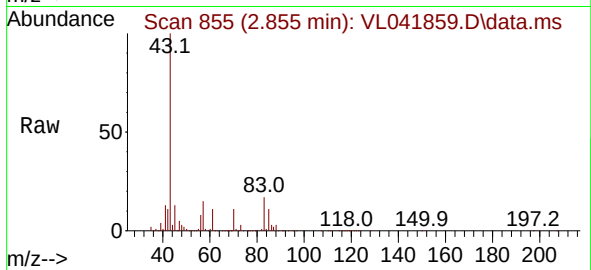




#25
Ethyl Acetate
Concen: 12.728 ppbv
RT: 2.855 min Scan# 855
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

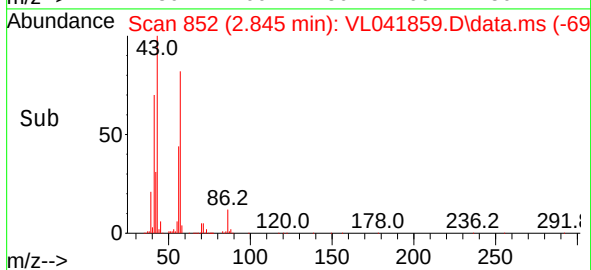
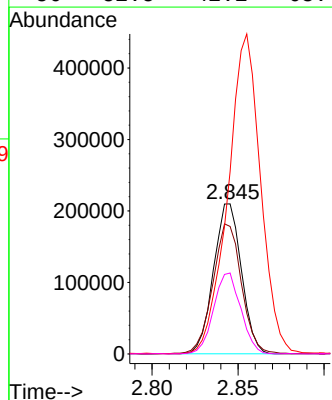
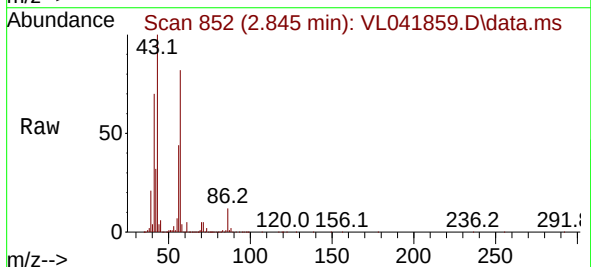
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

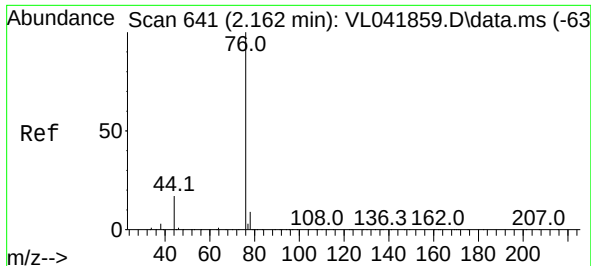
Tgt Ion:	43	Resp:	589565
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	9.1	7.3	10.9
70	8.8	7.0	10.6



#26
Hexane
Concen: 14.695 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:	57	Resp:	236237
Ion	Ratio	Lower	Upper
57	100		
41	89.9	71.5	107.3
43	251.1	200.2	300.4
56	52.5	42.2	63.4





#27

Carbon Disulfide

Concen: 14.877 ppbv

RT: 2.162 min Scan# 641

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

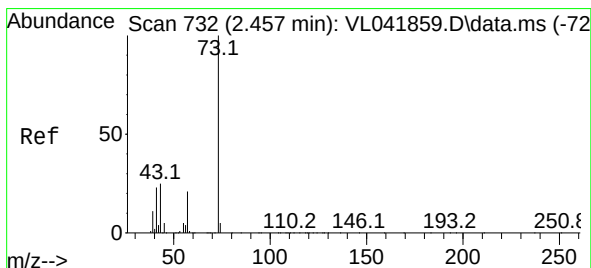
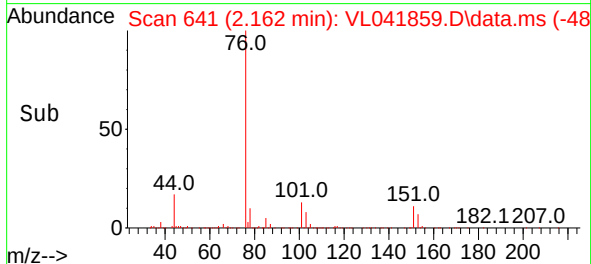
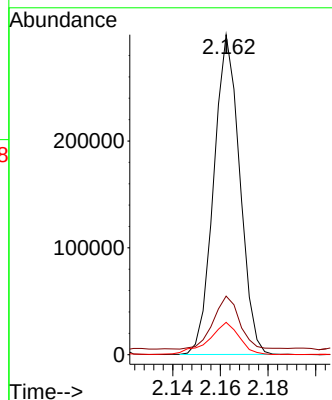
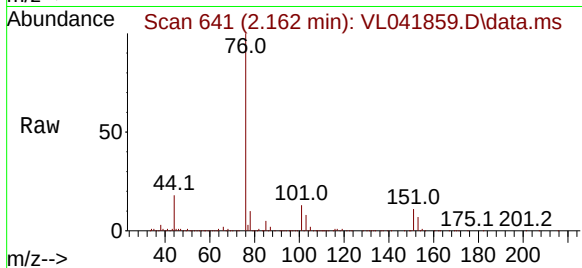
Tgt Ion: 76 Resp: 226986

Ion Ratio Lower Upper

76 100

44 17.6 13.1 19.7

78 11.6 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 14.077 ppbv

RT: 2.457 min Scan# 732

Delta R.T. 0.000 min

Lab File: VL041859.D

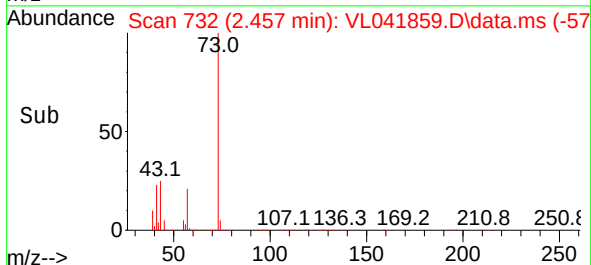
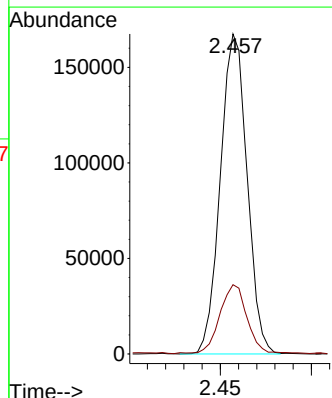
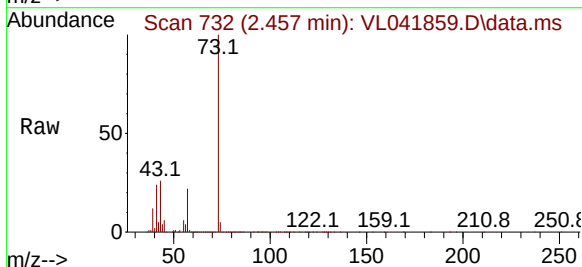
Acq: 09 Jan 2025 11:19

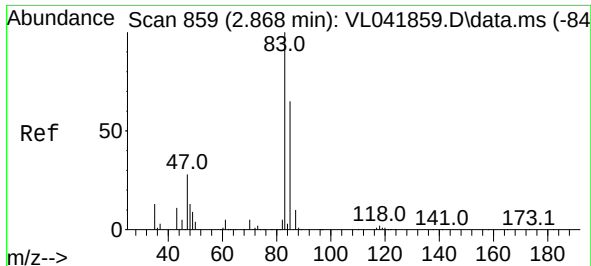
Tgt Ion: 73 Resp: 170565

Ion Ratio Lower Upper

73 100

57 22.0 17.5 26.3





#29

Chloroform

Concen: 10.989 ppbv

RT: 2.868 min Scan# 859

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

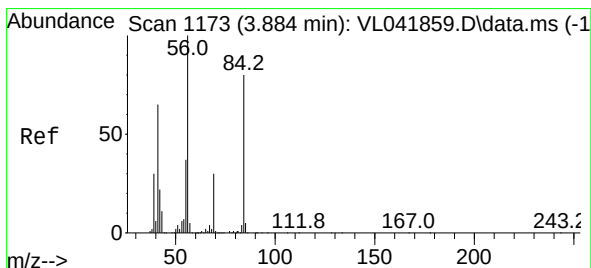
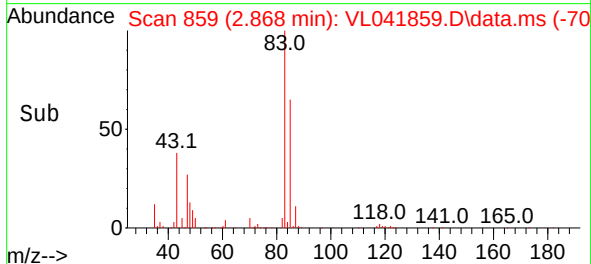
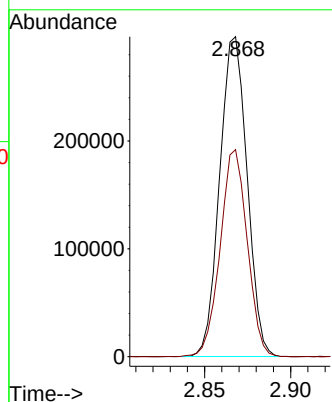
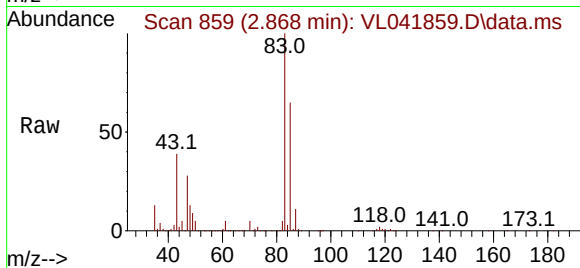
VSTDICCC010

Tgt Ion: 83 Resp: 328206

Ion Ratio Lower Upper

83 100

85 64.6 51.7 77.5



#30

Cyclohexane

Concen: 16.783 ppbv

RT: 3.884 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

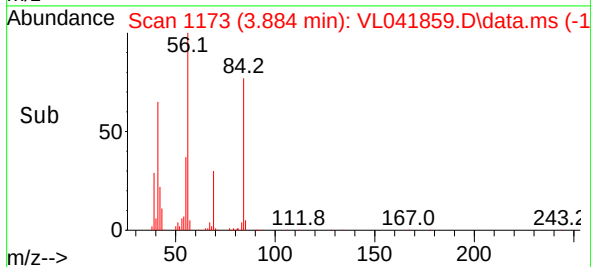
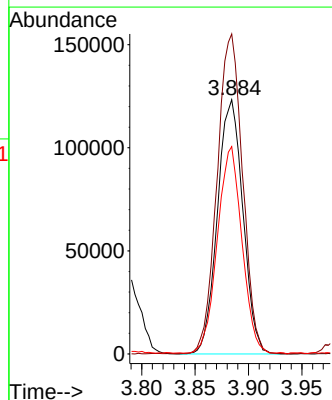
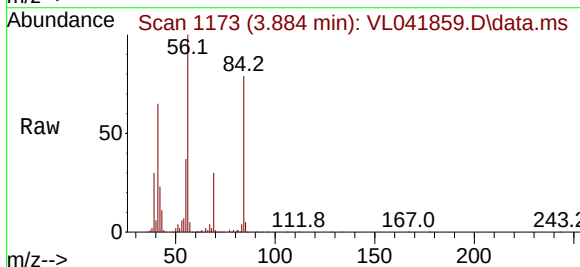
Tgt Ion: 84 Resp: 204595

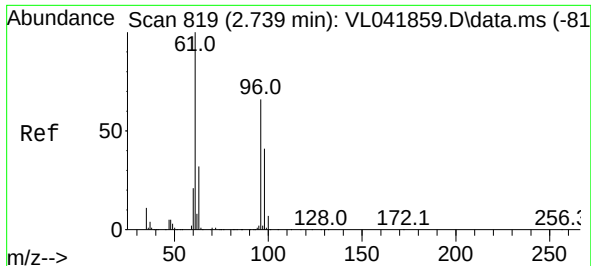
Ion Ratio Lower Upper

84 100

56 126.5 100.7 151.1

41 79.1 62.8 94.2

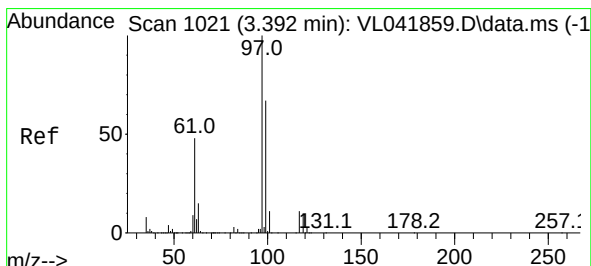
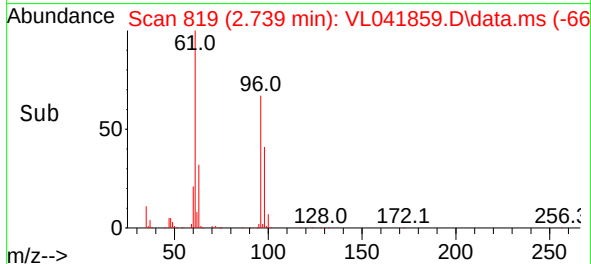
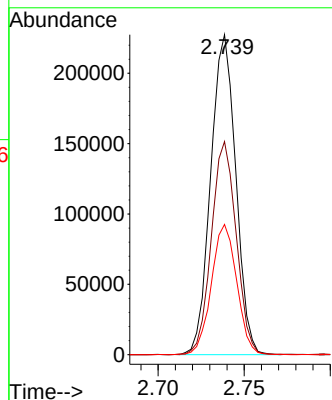
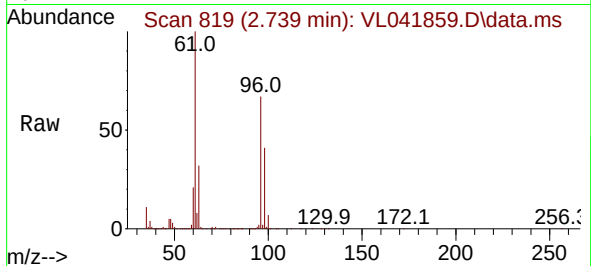




#31
 cis-1,2-Dichloroethene
 Concen: 13.944 ppbv
 RT: 2.739 min Scan# 819
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

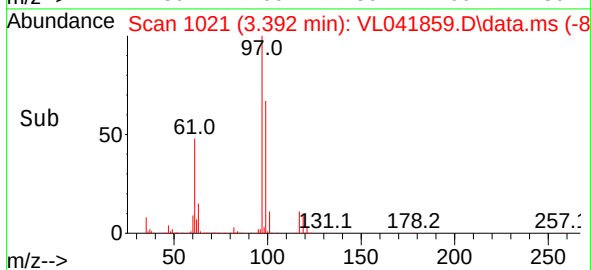
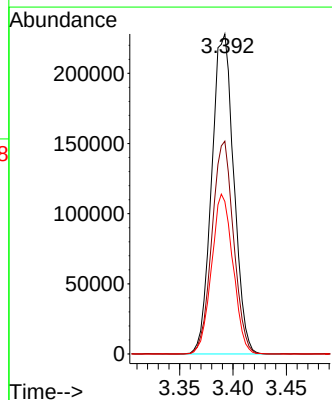
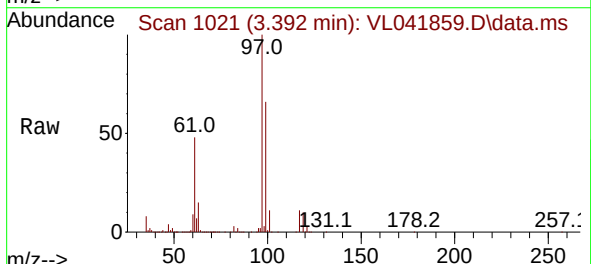
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

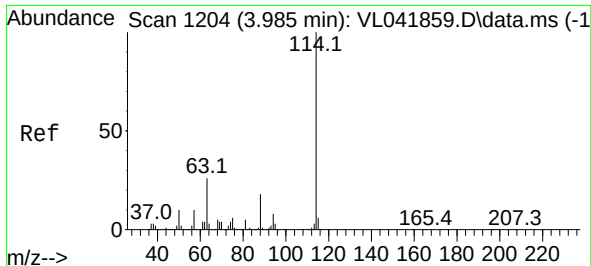
Tgt Ion: 61 Resp: 230732
 Ion Ratio Lower Upper
 61 100
 96 66.5 53.2 79.8
 98 40.6 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 12.132 ppbv
 RT: 3.392 min Scan# 1021
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion: 97 Resp: 328356
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 48.5 38.8 58.2

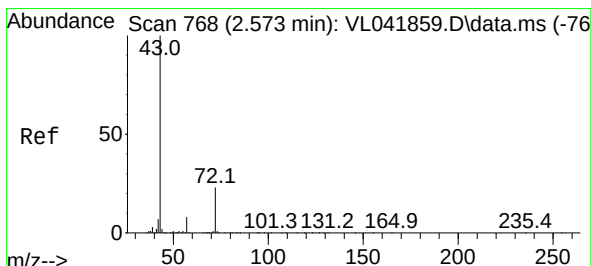
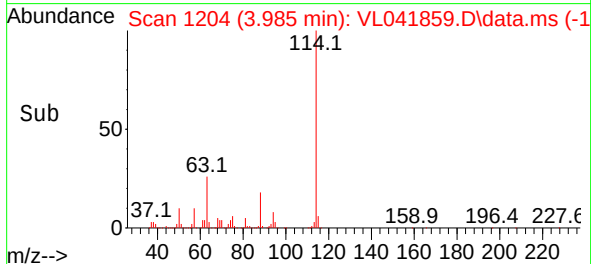
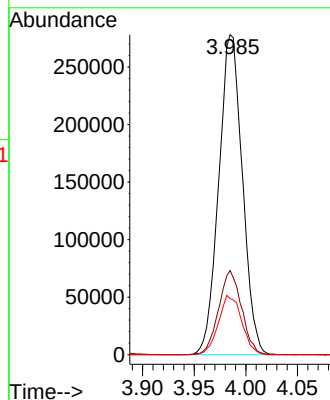
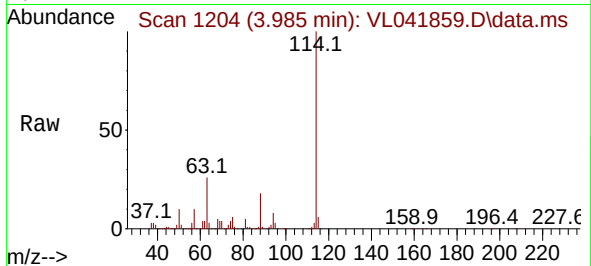




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

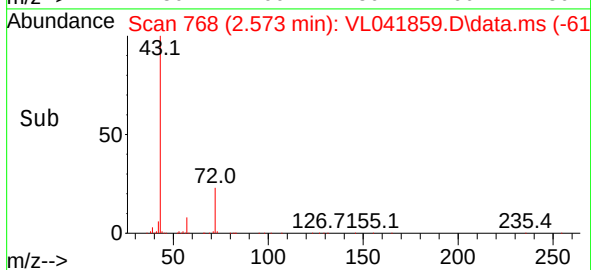
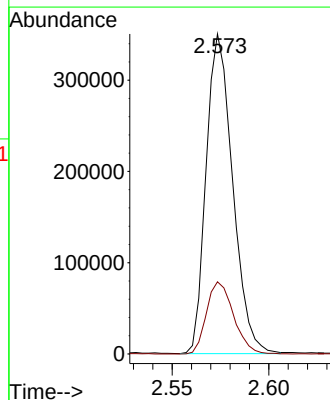
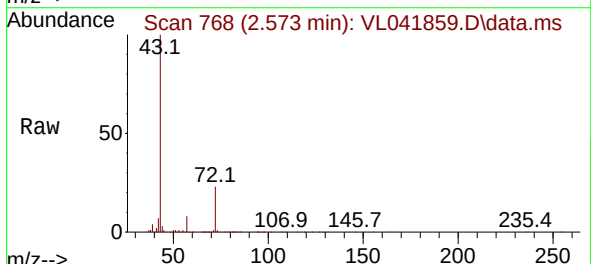
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

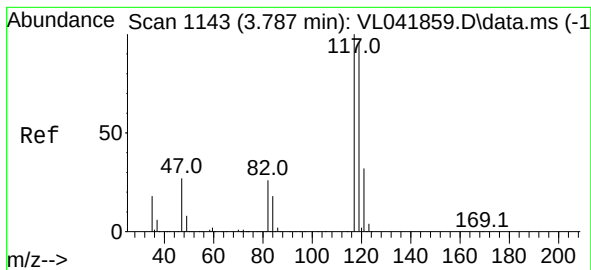
Tgt Ion:114 Resp: 442867
Ion Ratio Lower Upper
114 100
63 25.4 20.3 30.5
88 18.2 14.6 21.8



#34
2-Butanone
Concen: 9.557 ppbv
RT: 2.573 min Scan# 768
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 43 Resp: 333402
Ion Ratio Lower Upper
43 100
72 23.1 18.5 27.7





#35

Carbon Tetrachloride

Concen: 9.690 ppbv

RT: 3.787 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

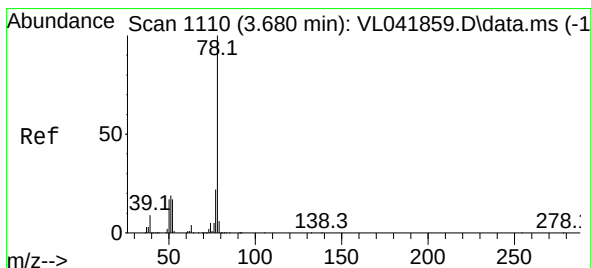
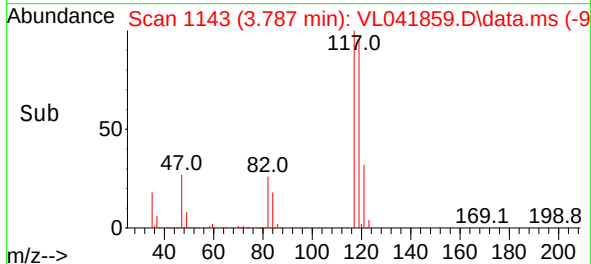
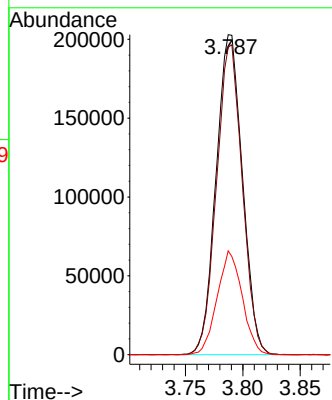
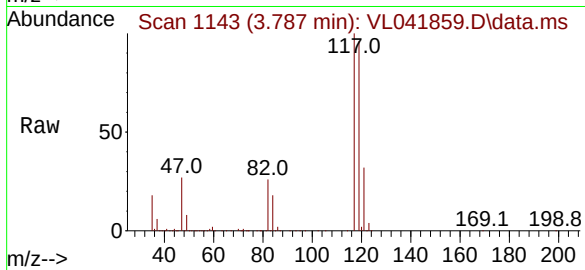
Tgt Ion:117 Resp: 324320

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3

121 32.4 25.9 38.9



#36

Benzene

Concen: 11.507 ppbv

RT: 3.680 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

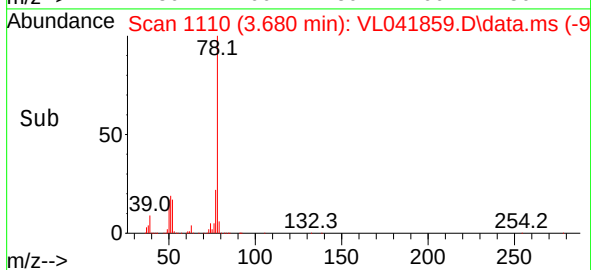
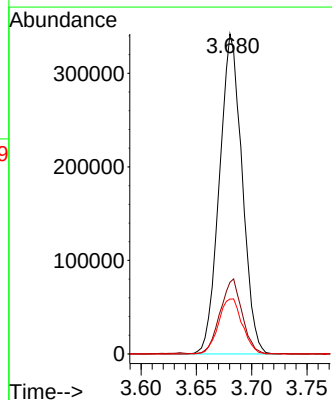
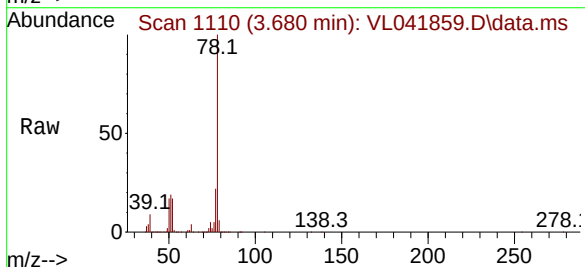
Tgt Ion: 78 Resp: 486852

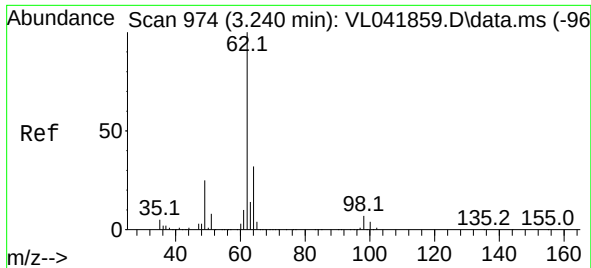
Ion Ratio Lower Upper

78 100

77 22.4 17.9 26.9

50 17.1 13.7 20.5

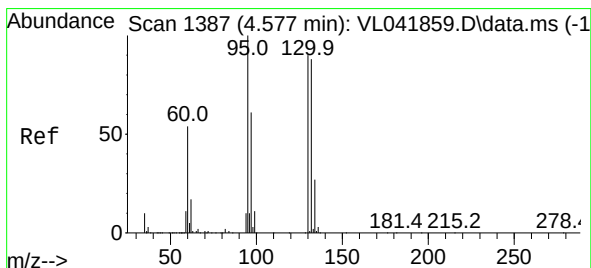
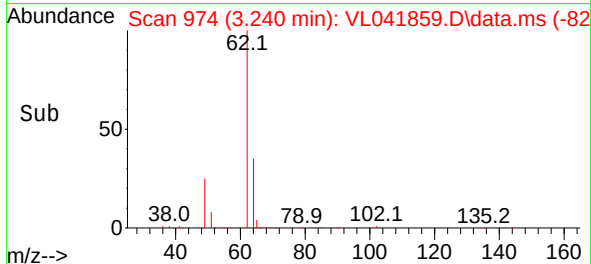
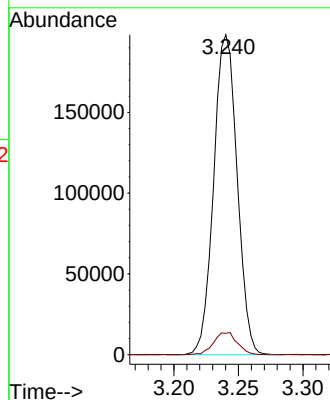
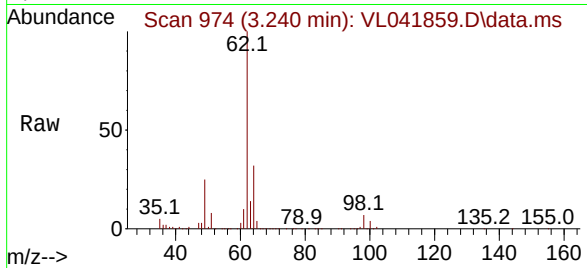




#37
1,2-Dichloroethane
Concen: 8.987 ppbv
RT: 3.240 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

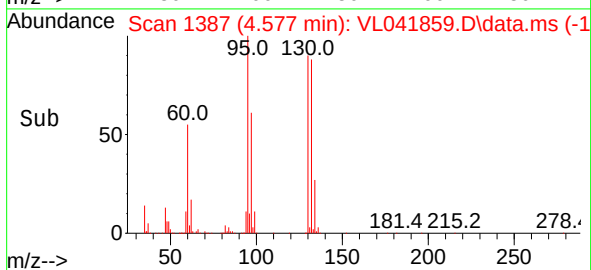
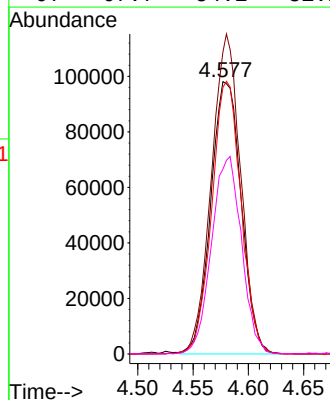
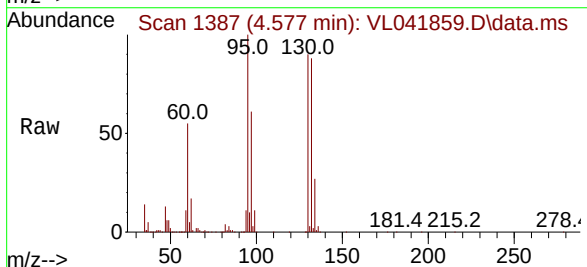
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

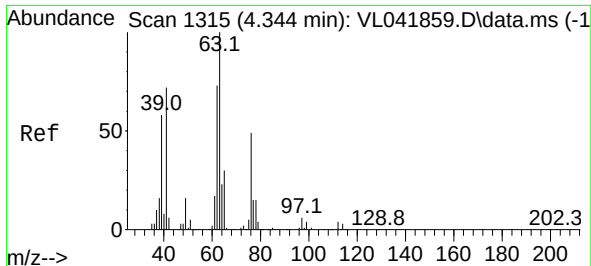
Tgt Ion: 62 Resp: 249944
Ion Ratio Lower Upper
62 100
98 7.1 5.6 8.4



#38
Trichloroethene
Concen: 11.576 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:130 Resp: 188346
Ion Ratio Lower Upper
130 100
95 110.6 88.5 132.7
132 97.7 78.2 117.2
97 67.7 54.2 81.2





#39

1,2-Dichloropropane

Concen: 10.483 ppbv

RT: 4.344 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

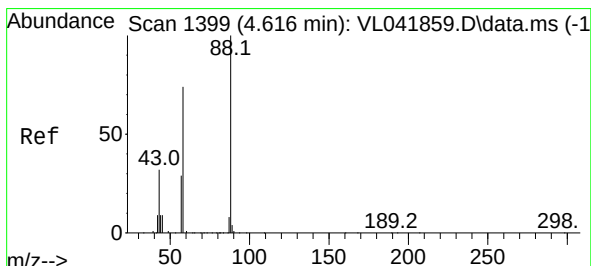
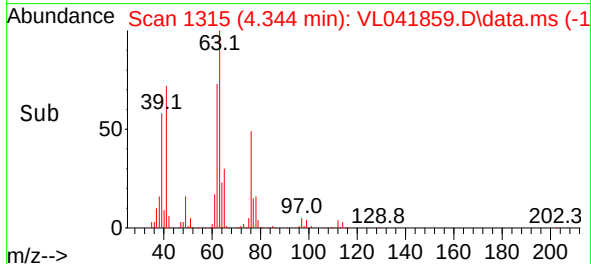
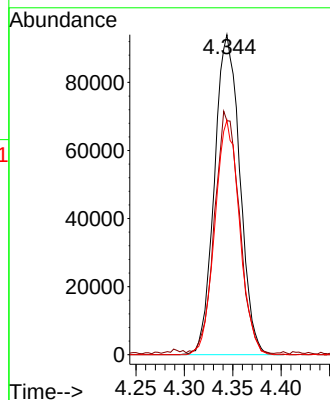
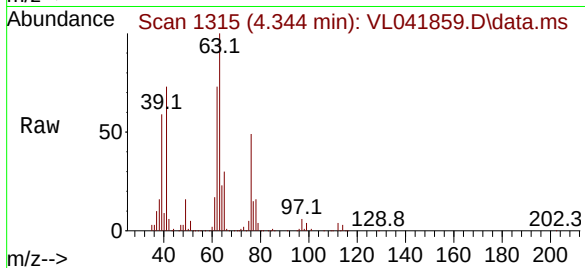
Tgt Ion: 63 Resp: 171561

Ion Ratio Lower Upper

63 100

41 72.5 58.0 87.0

62 73.2 58.6 87.8



#40

1,4-Dioxane

Concen: 13.205 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion: 88 Resp: 83645

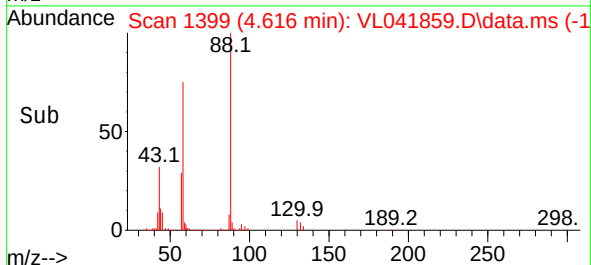
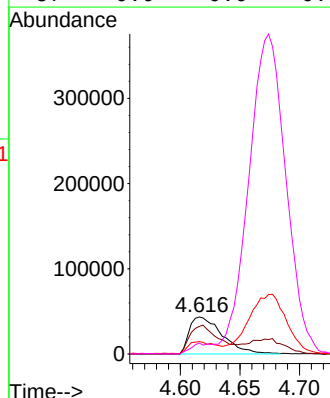
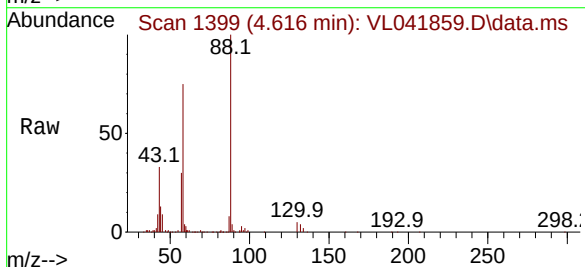
Ion Ratio Lower Upper

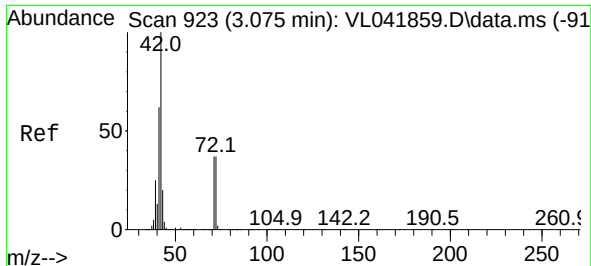
88 100

58 65.3 52.2 78.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0

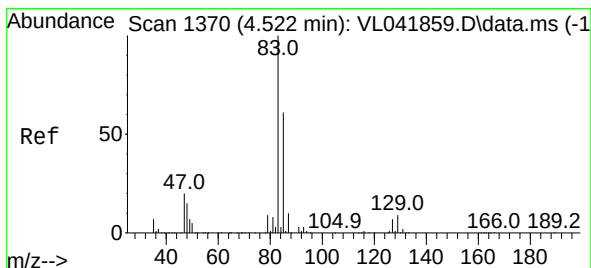
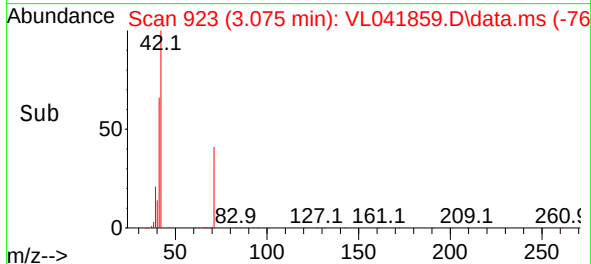
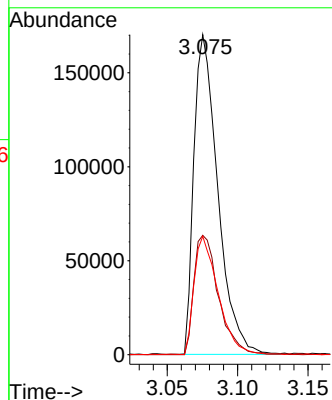
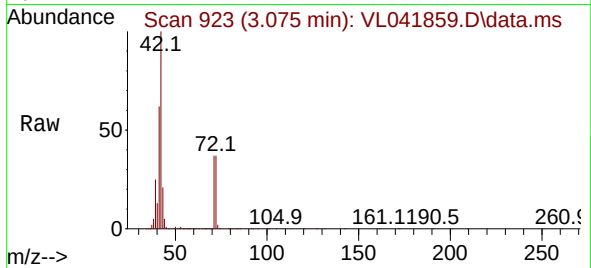




#41
Tetrahydrofuran
Concen: 12.243 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

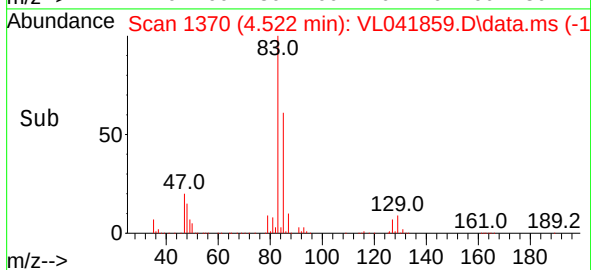
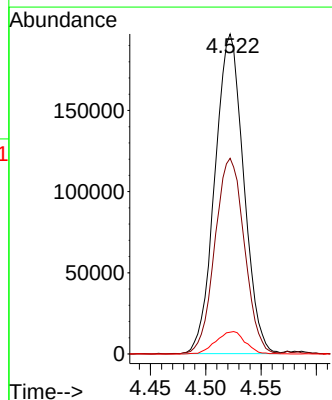
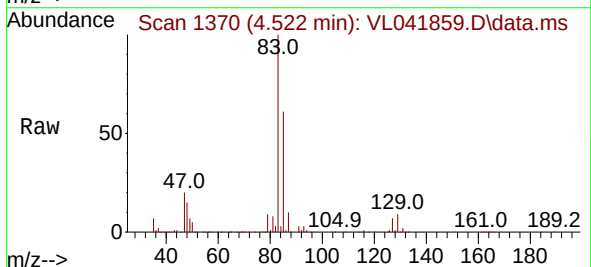
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

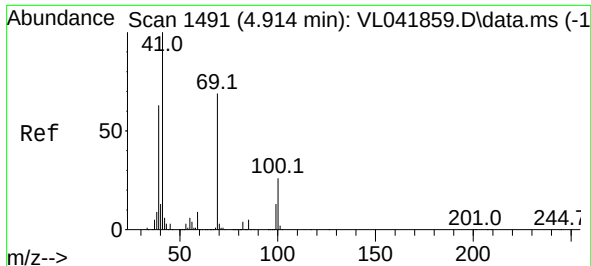
Tgt Ion: 42 Resp: 201204
Ion Ratio Lower Upper
42 100
72 38.5 30.8 46.2
71 37.7 30.1 45.1



#42
Bromodichloromethane
Concen: 10.910 ppbv
RT: 4.522 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 83 Resp: 355888
Ion Ratio Lower Upper
83 100
85 61.1 48.9 73.3
127 6.8 5.4 8.2





#43

Methyl Methacrylate

Concen: 15.032 ppbv

RT: 4.914 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

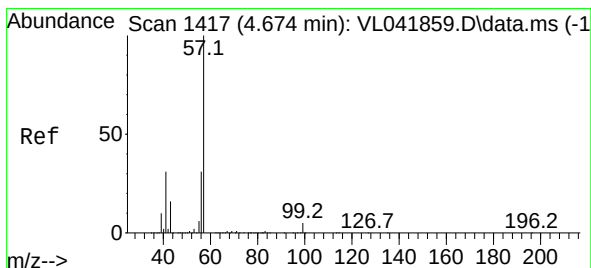
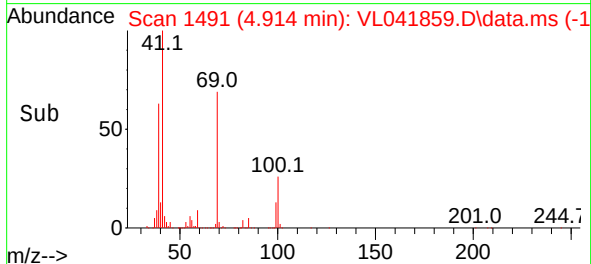
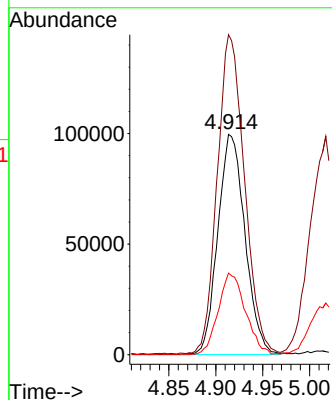
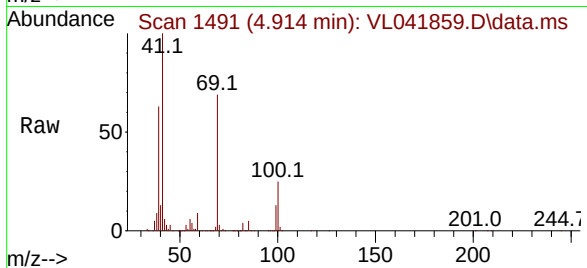
Tgt Ion: 69 Resp: 199710

Ion Ratio Lower Upper

69 100

41 145.3 116.2 174.4

100 37.3 29.8 44.8



#44

2,2,4-Trimethylpentane

Concen: 11.618 ppbv

RT: 4.674 min Scan# 1417

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

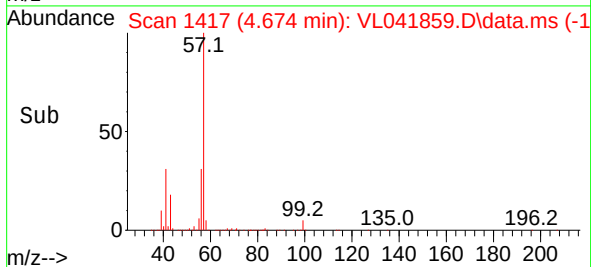
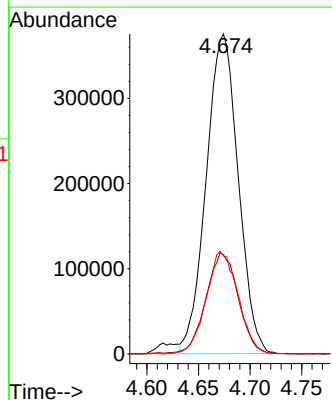
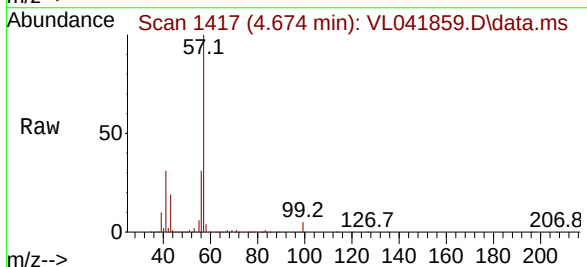
Tgt Ion: 57 Resp: 809851

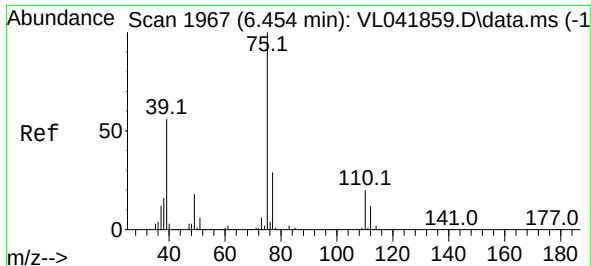
Ion Ratio Lower Upper

57 100

41 31.9 25.5 38.3

56 32.2 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 16.371 ppbv

RT: 6.454 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

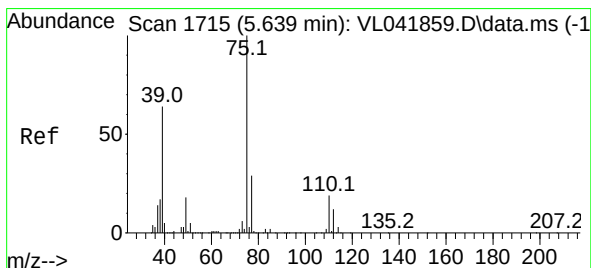
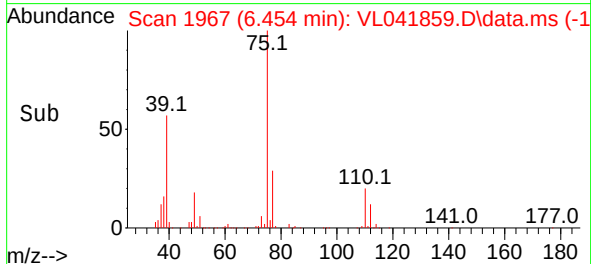
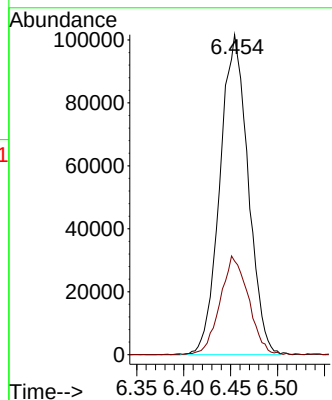
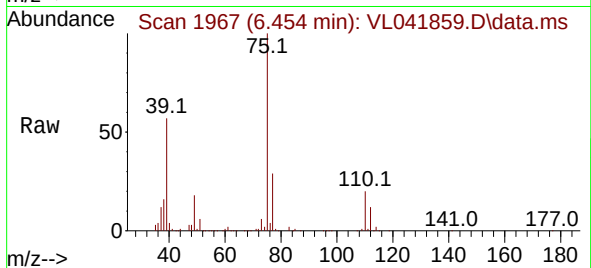
VSTDICCC010

Tgt Ion: 75 Resp: 212343

Ion Ratio Lower Upper

75 100

77 29.3 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 15.773 ppbv

RT: 5.639 min Scan# 1715

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

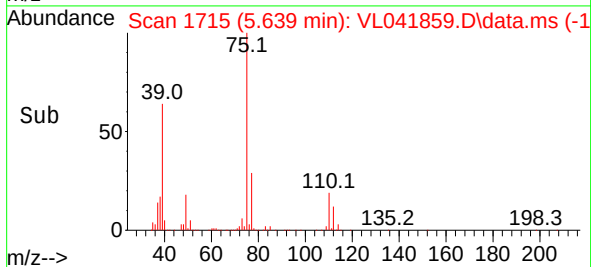
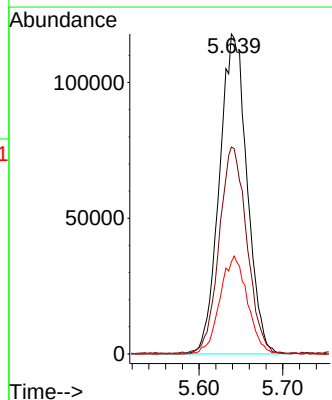
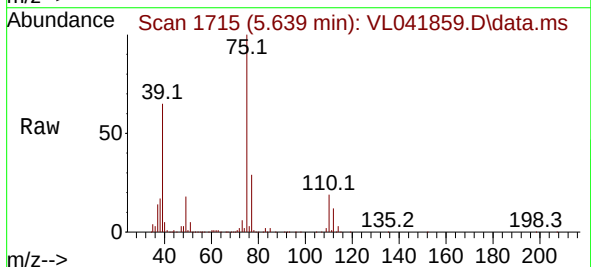
Tgt Ion: 75 Resp: 269395

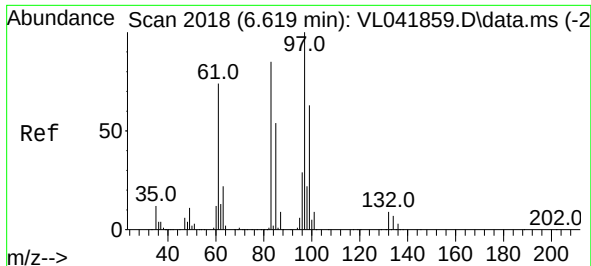
Ion Ratio Lower Upper

75 100

39 64.3 51.4 77.2

77 28.7 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 10.228 ppbv

RT: 6.619 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 176811

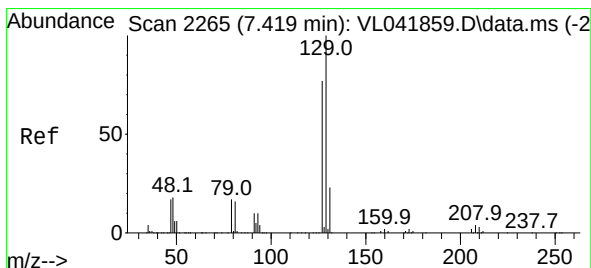
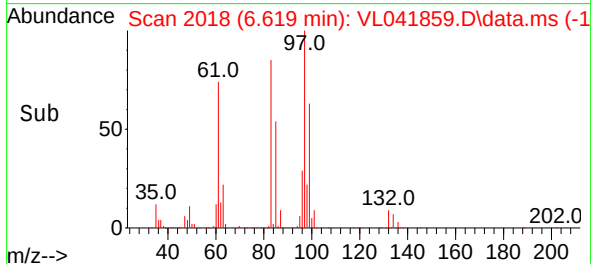
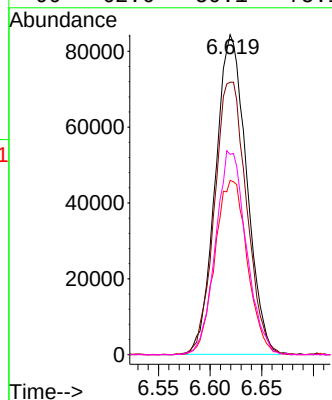
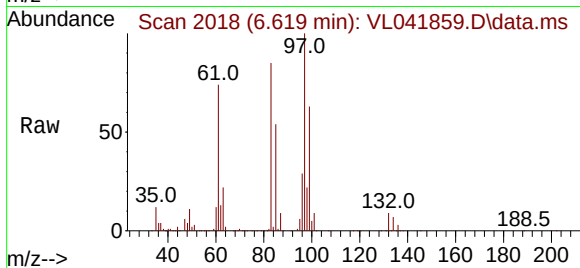
Ion Ratio Lower Upper

97 100

83 85.1 68.1 102.1

85 54.3 43.4 65.2

99 62.6 50.1 75.1



#48

Dibromochloromethane

Concen: 13.195 ppbv

RT: 7.419 min Scan# 2265

Delta R.T. 0.000 min

Lab File: VL041859.D

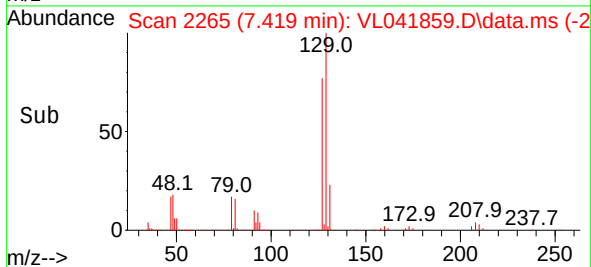
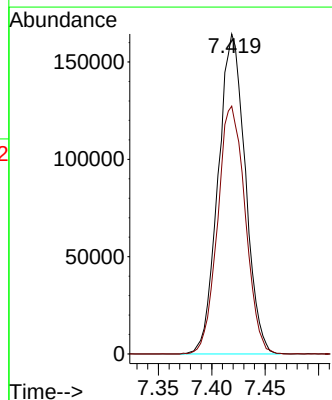
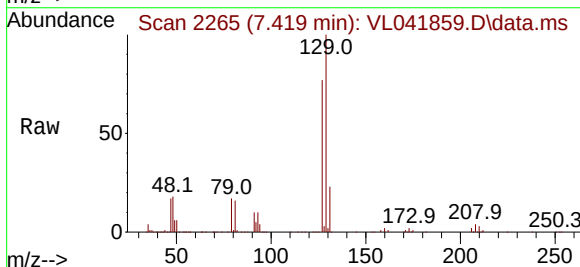
Acq: 09 Jan 2025 11:19

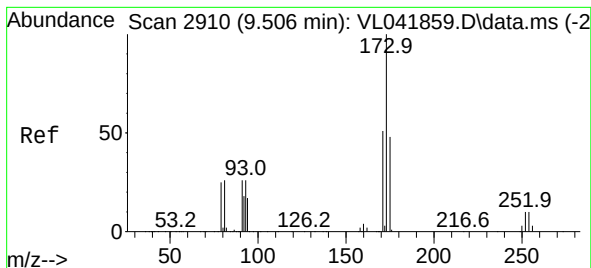
Tgt Ion:129 Resp: 290737

Ion Ratio Lower Upper

129 100

127 78.7 39.4 118.1





#49

Bromoform

Concen: 14.609 ppbv

RT: 9.506 min Scan# 2910

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

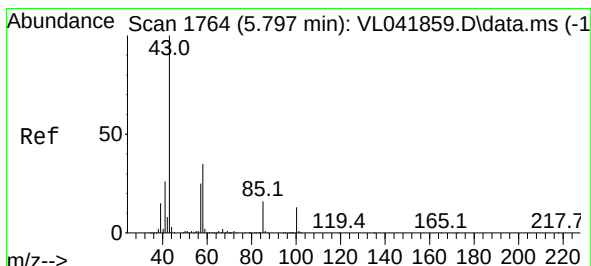
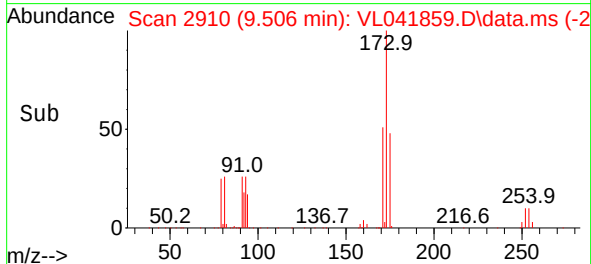
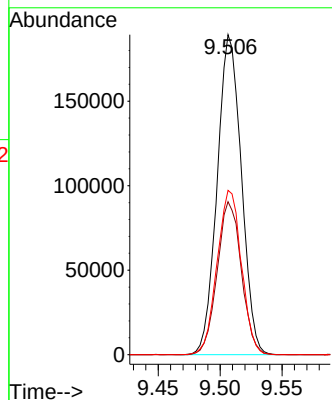
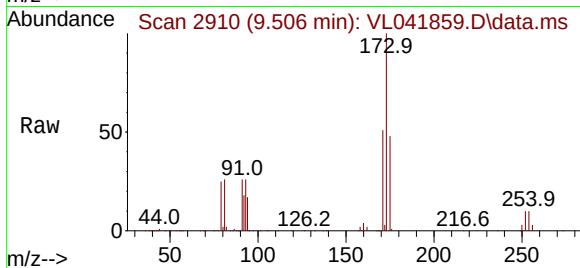
Tgt Ion:173 Resp: 257972

Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.2

171 51.6 41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 12.157 ppbv

RT: 5.797 min Scan# 1764

Delta R.T. 0.000 min

Lab File: VL041859.D

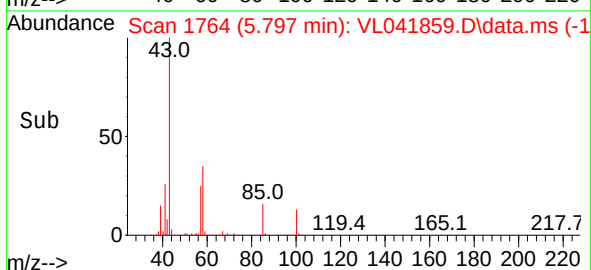
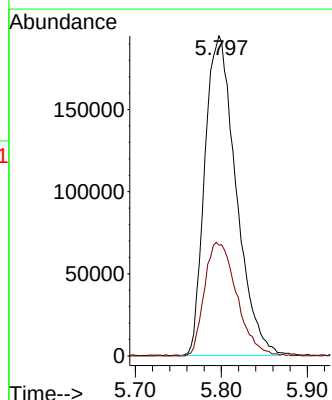
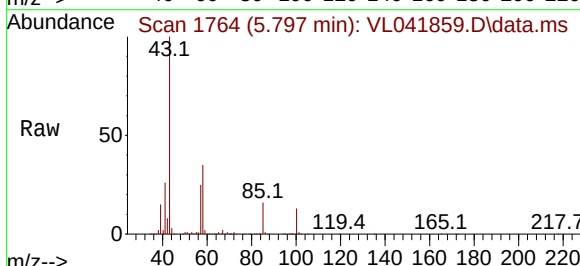
Acq: 09 Jan 2025 11:19

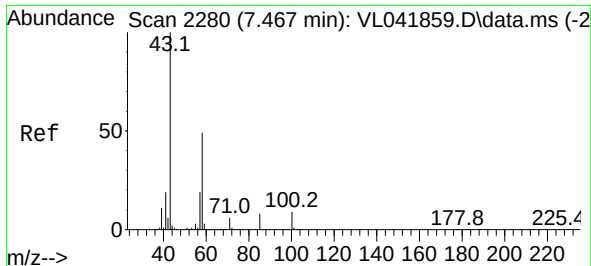
Tgt Ion: 43 Resp: 490478

Ion Ratio Lower Upper

43 100

58 36.8 29.4 44.2

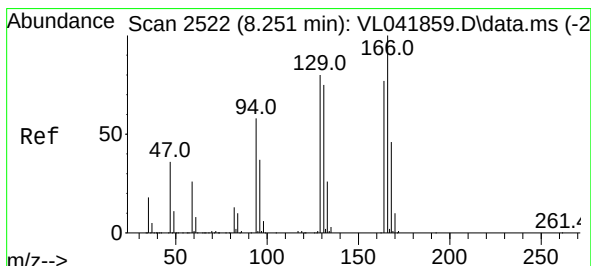
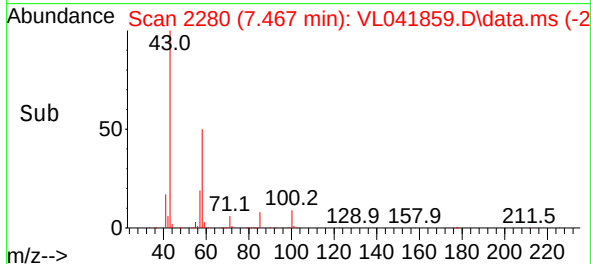
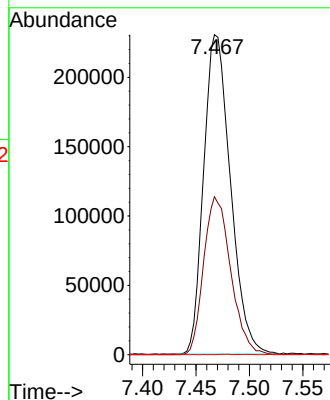
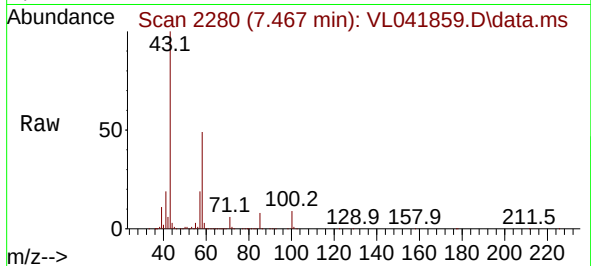




#51
2-Hexanone
Concen: 13.184 ppbv
RT: 7.467 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

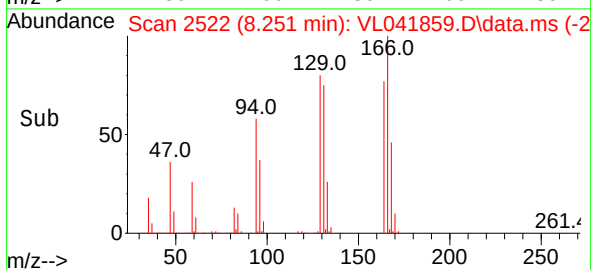
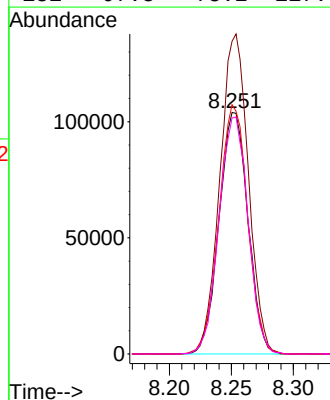
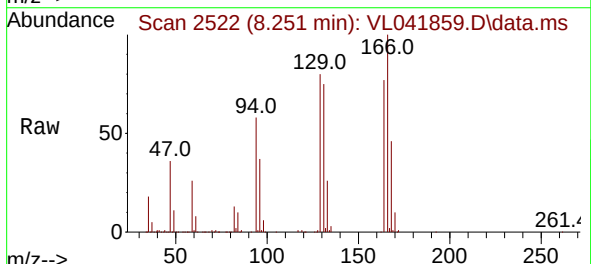
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

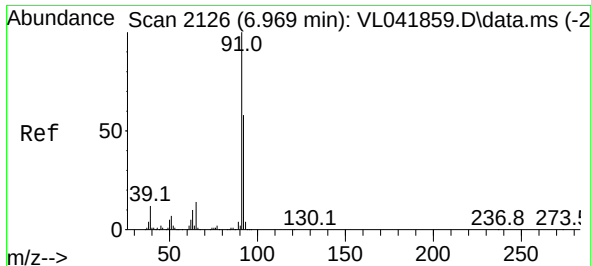
Tgt Ion: 43 Resp: 402499
Ion Ratio Lower Upper
43 100
58 49.9 40.0 60.0
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 13.437 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:164 Resp: 168568
Ion Ratio Lower Upper
164 100
166 129.5 103.6 155.4
129 103.2 82.6 123.8
131 97.8 78.2 117.4

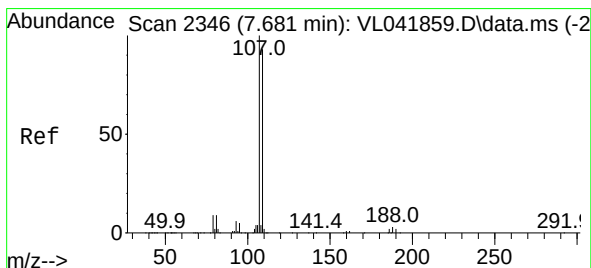
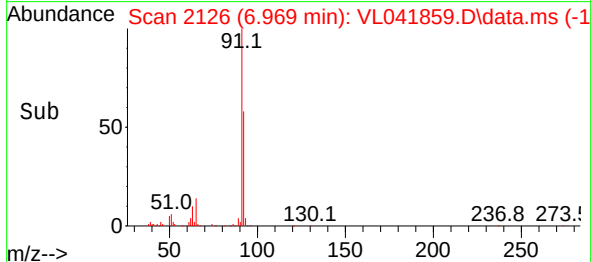
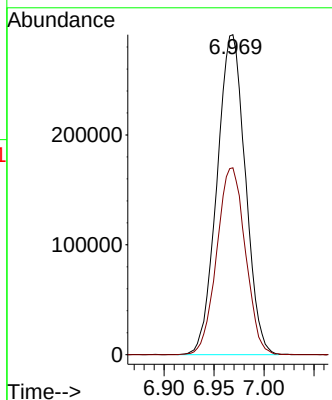
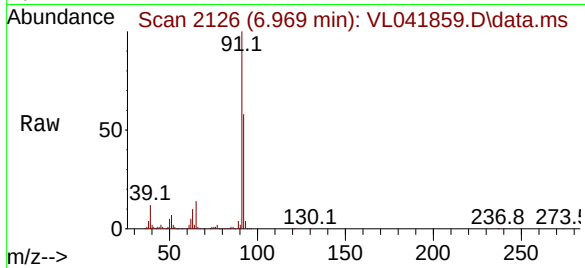




#53
Toluene
Concen: 15.259 ppbv
RT: 6.969 min Scan# 2126
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

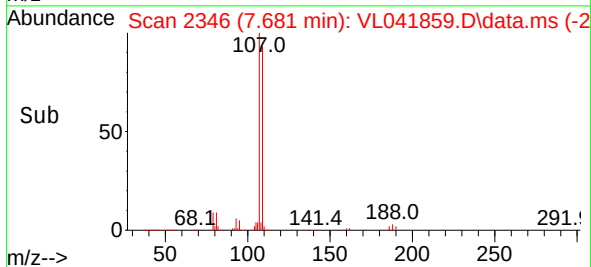
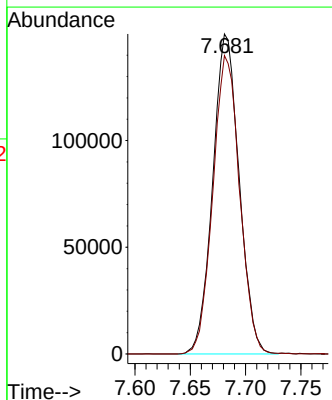
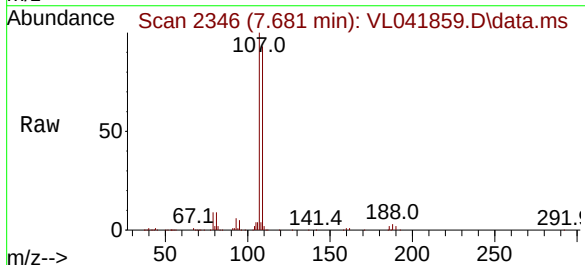
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

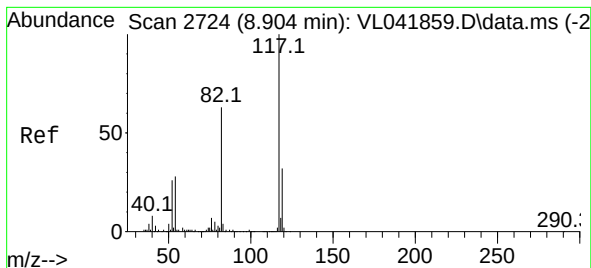
Tgt Ion: 91 Resp: 574578
Ion Ratio Lower Upper
91 100
92 59.0 47.2 70.8



#54
1,2-Dibromoethane
Concen: 11.739 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 107 Resp: 248821
Ion Ratio Lower Upper
107 100
109 93.3 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 2724

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

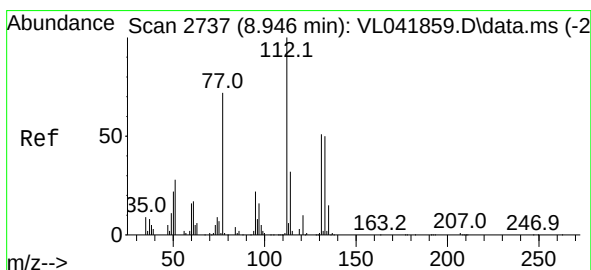
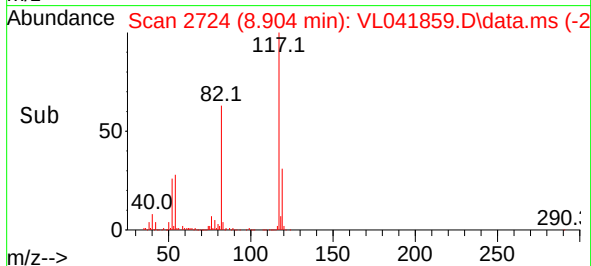
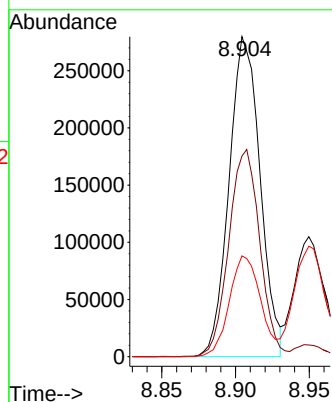
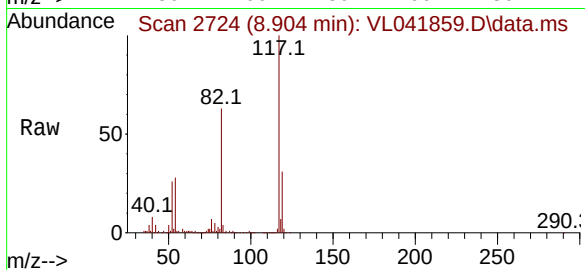
Tgt Ion:117 Resp: 410499

Ion Ratio Lower Upper

117 100

82 68.1 54.5 81.7

119 32.2 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 9.592 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

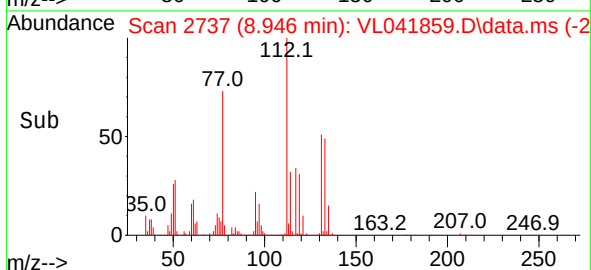
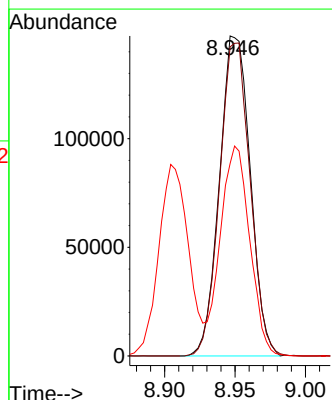
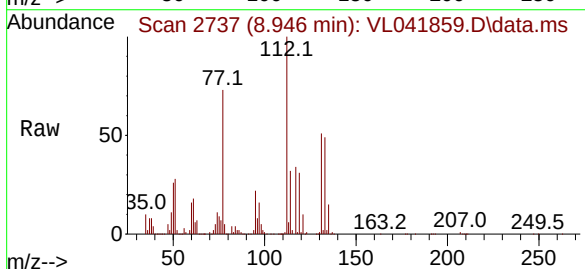
Tgt Ion:131 Resp: 224424

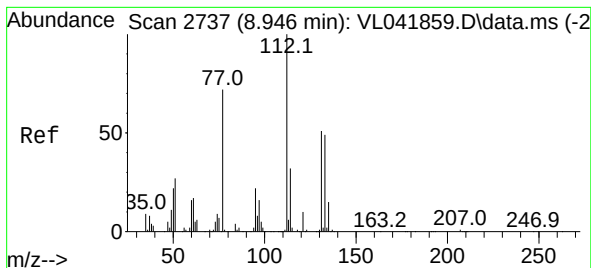
Ion Ratio Lower Upper

131 100

133 96.8 77.4 116.2

119 64.4 49.4 74.0





#57

Chlorobenzene

Concen: 9.725 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

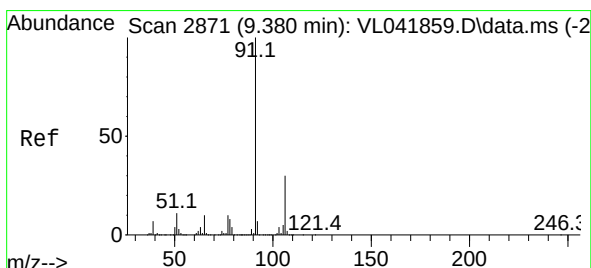
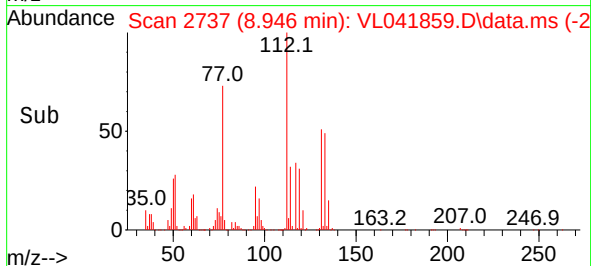
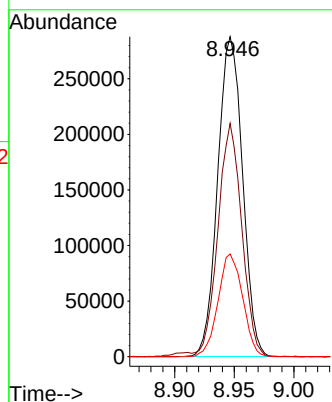
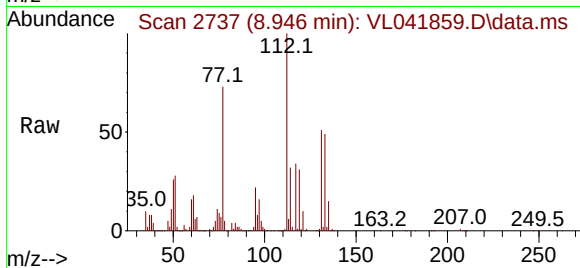
Tgt Ion:112 Resp: 417085

Ion Ratio Lower Upper

112 100

77 72.9 58.3 87.5

114 32.1 28.9 35.3



#58

Ethyl Benzene

Concen: 13.992 ppbv

RT: 9.380 min Scan# 2871

Delta R.T. 0.000 min

Lab File: VL041859.D

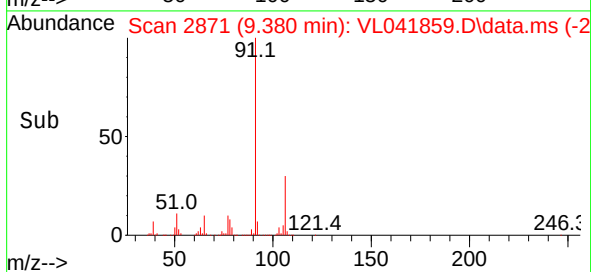
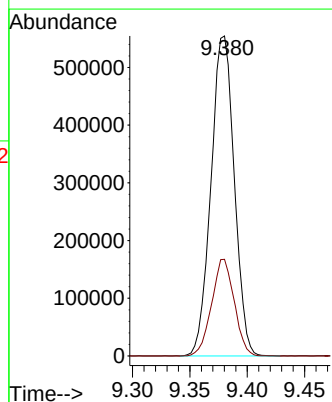
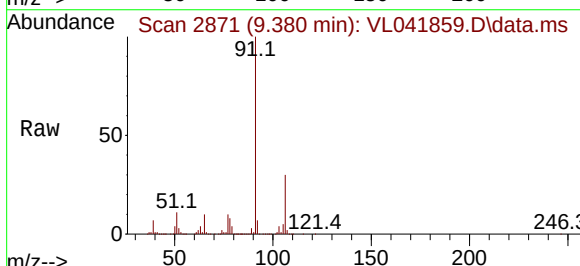
Acq: 09 Jan 2025 11:19

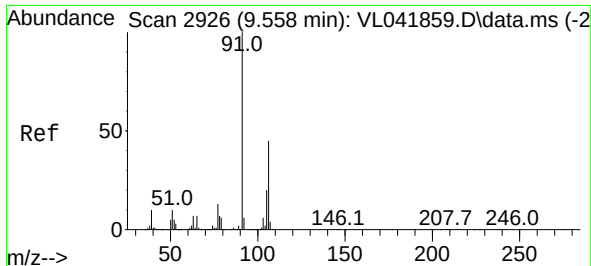
Tgt Ion: 91 Resp: 782806

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2





#59

m/p-Xylene

Concen: 12.895 ppbv

RT: 9.558 min Scan# 2926

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

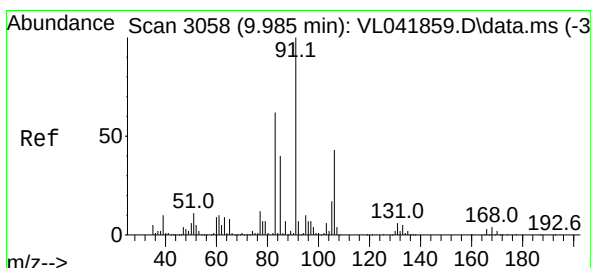
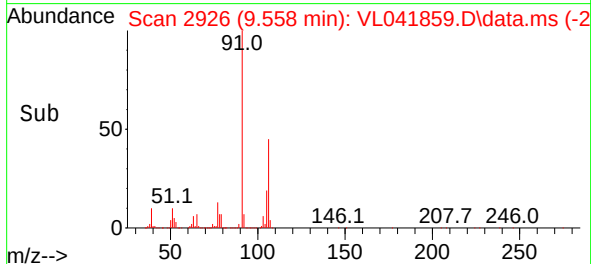
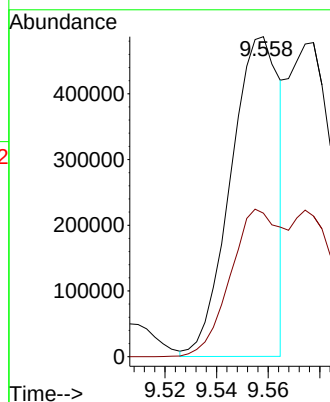
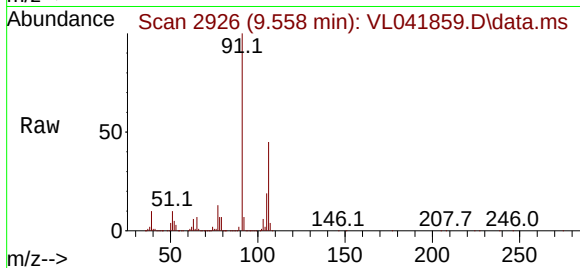
VSTDICCC010

Tgt Ion: 91 Resp: 635601

Ion Ratio Lower Upper

91 100

106 88.7 0.0 0.0#



#60

o-Xylene

Concen: 12.598 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.000 min

Lab File: VL041859.D

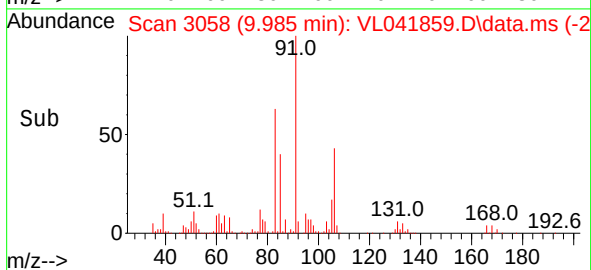
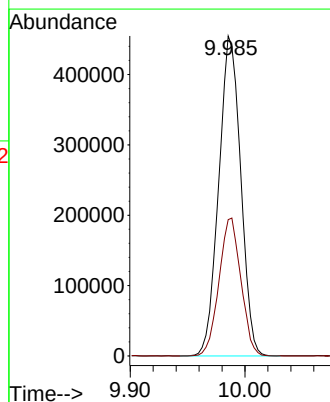
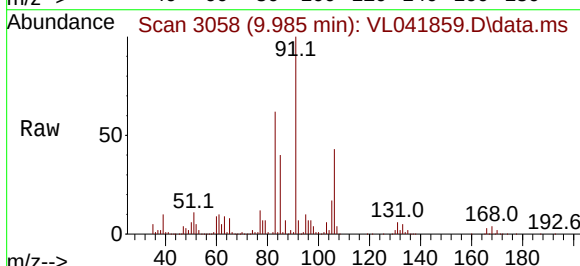
Acq: 09 Jan 2025 11:19

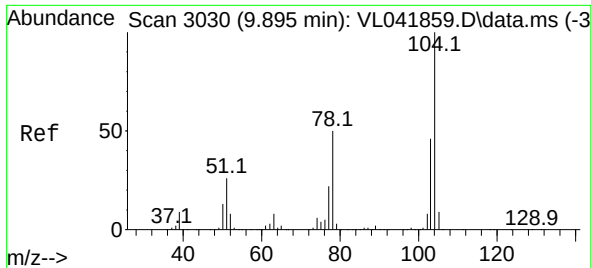
Tgt Ion: 91 Resp: 605176

Ion Ratio Lower Upper

91 100

106 42.9 21.4 64.3

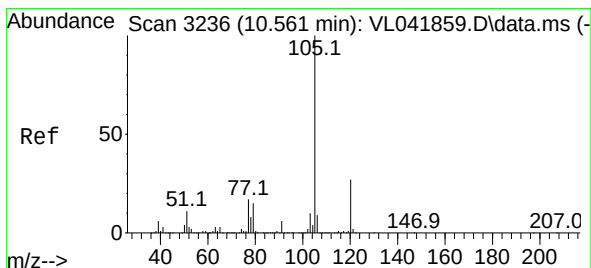
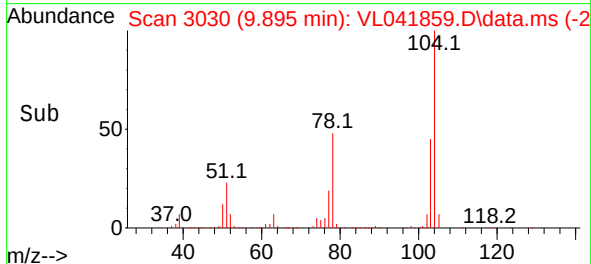
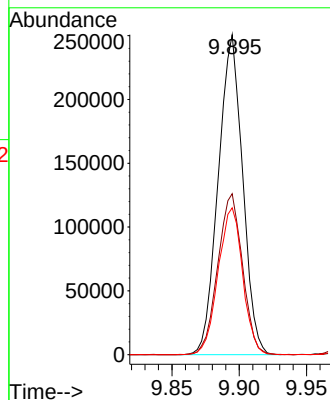
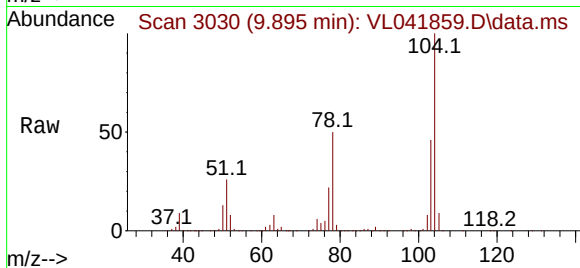




#61
Styrene
Concen: 16.935 ppbv
RT: 9.895 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

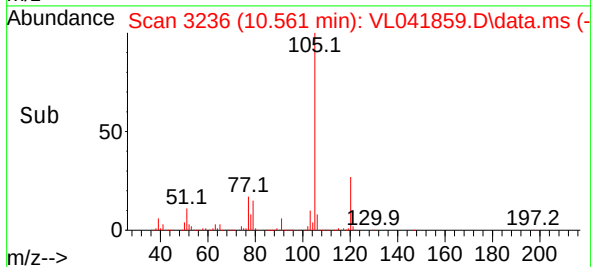
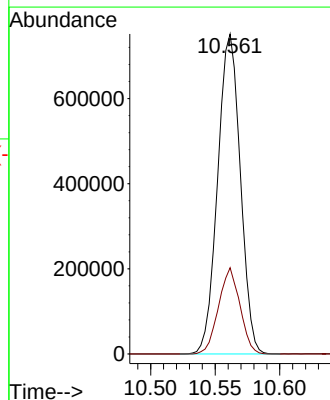
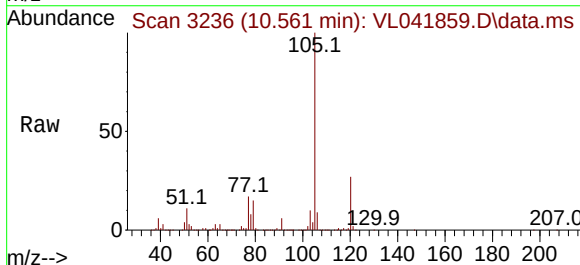
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

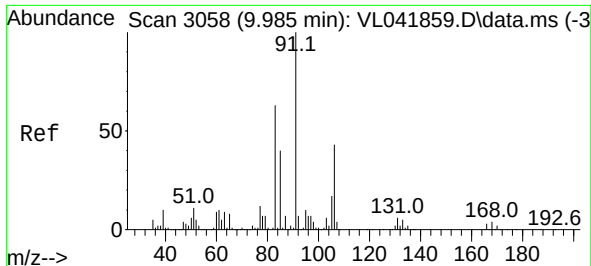
Tgt Ion:104 Resp: 315614
Ion Ratio Lower Upper
104 100
78 50.9 40.7 61.1
103 46.3 37.0 55.6



#62
Isopropylbenzene
Concen: 12.133 ppbv
RT: 10.561 min Scan# 3236
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:105 Resp: 915687
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 8.601 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

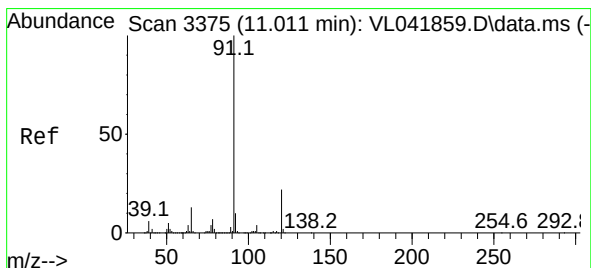
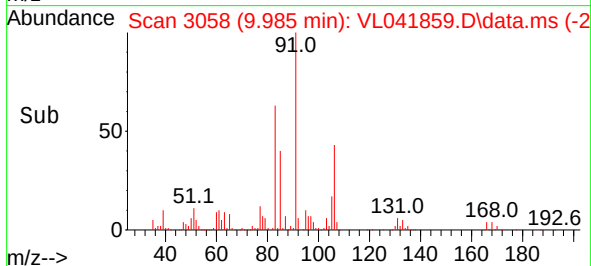
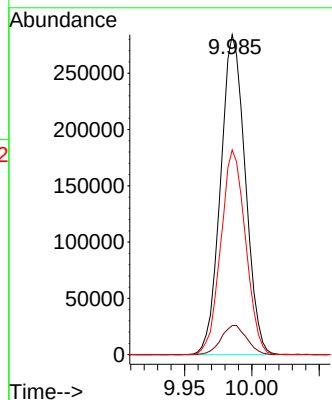
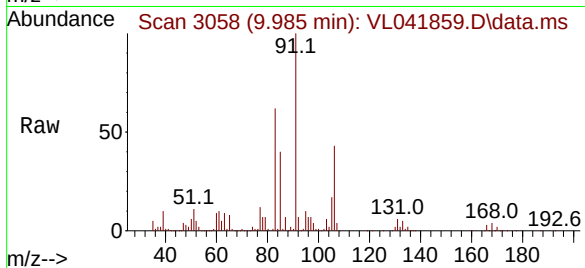
Tgt Ion: 83 Resp: 362310

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 64.2 32.1 96.3



#64

n-propylbenzene

Concen: 12.148 ppbv

RT: 11.011 min Scan# 3375

Delta R.T. 0.000 min

Lab File: VL041859.D

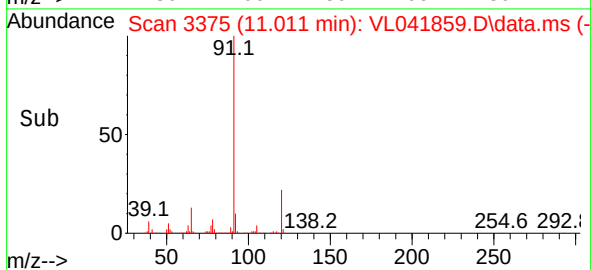
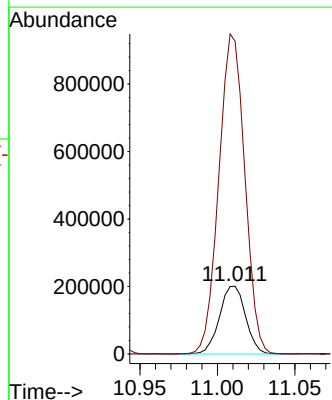
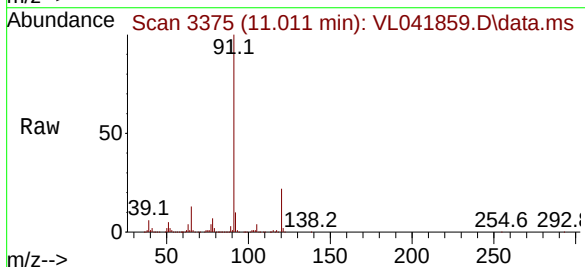
Acq: 09 Jan 2025 11:19

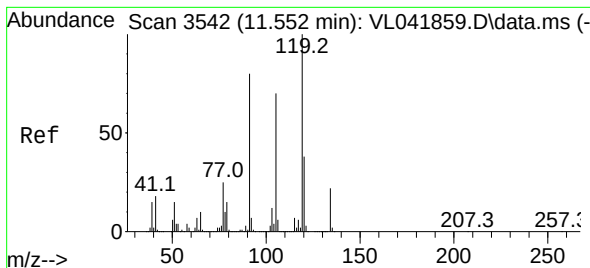
Tgt Ion:120 Resp: 235202

Ion Ratio Lower Upper

120 100

91 469.8 376.9 565.3

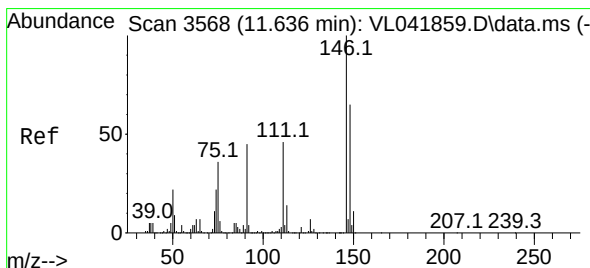
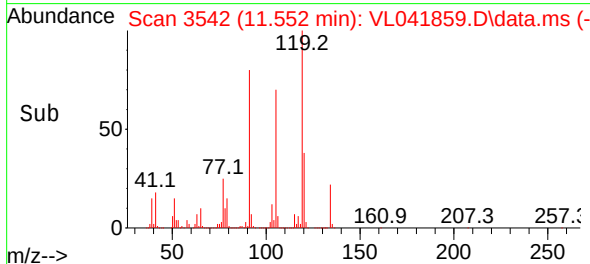
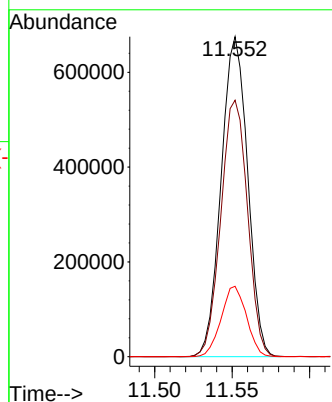
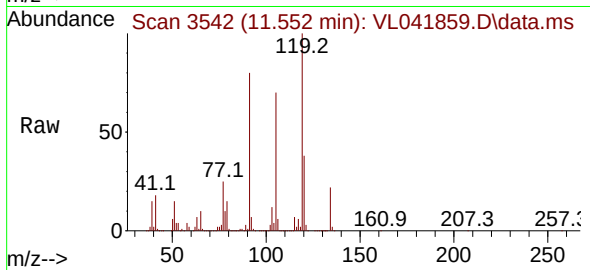




#65
tert-Butylbenzene
Concen: 11.792 ppbv
RT: 11.552 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

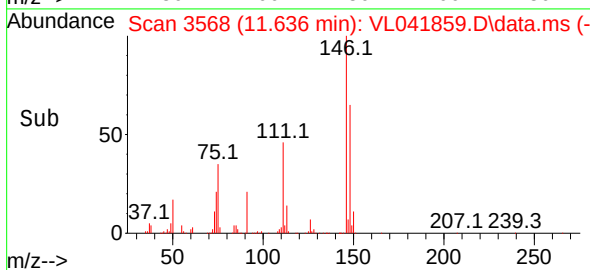
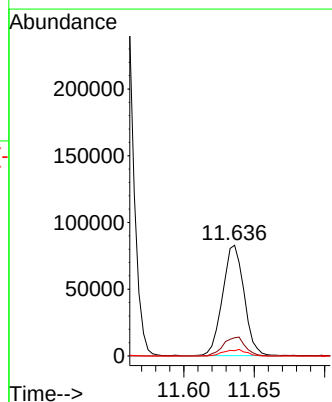
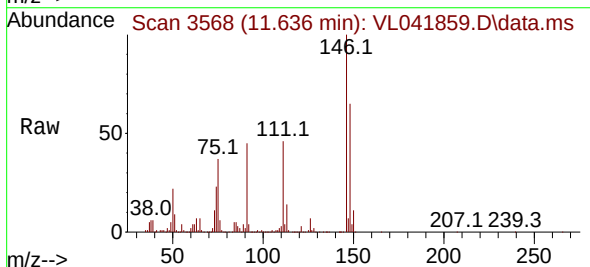
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

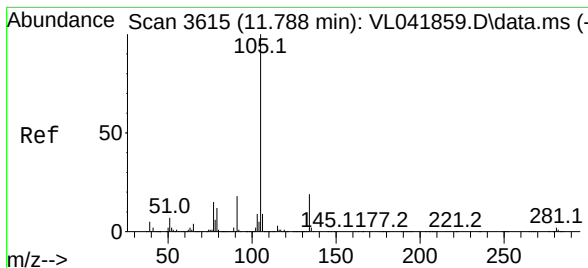
Tgt Ion:119 Resp: 801987
Ion Ratio Lower Upper
119 100
91 80.8 64.6 97.0
134 21.1 16.9 25.3



#66
Benzyl Chloride
Concen: 15.476 ppbv
RT: 11.636 min Scan# 3568
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion: 91 Resp: 88168
Ion Ratio Lower Upper
91 100
126 17.4 13.9 20.9
128 6.0 4.8 7.2

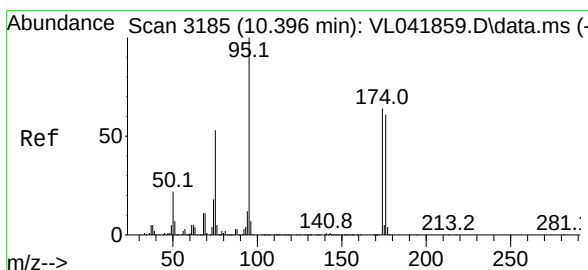
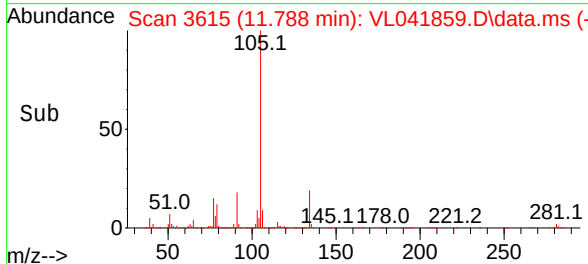
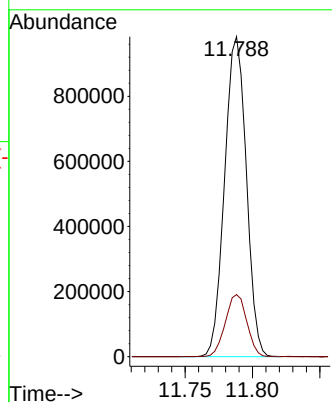
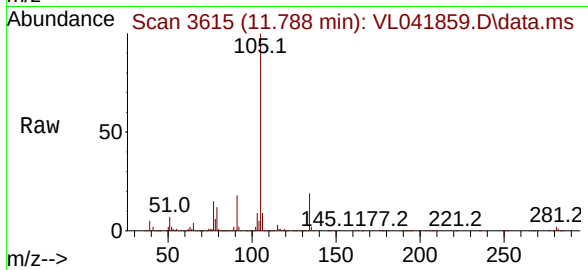




#67
 sec-Butylbenzene
 Concen: 11.087 ppbv
 RT: 11.788 min Scan# 3615
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

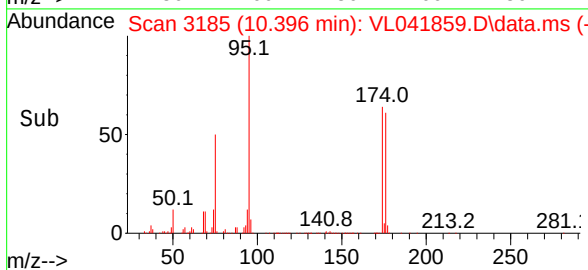
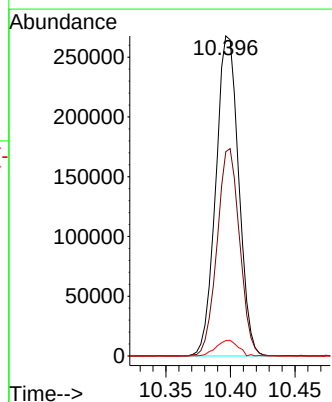
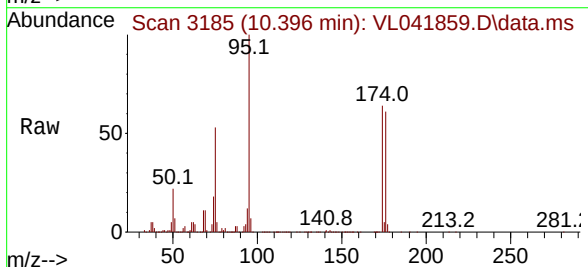
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

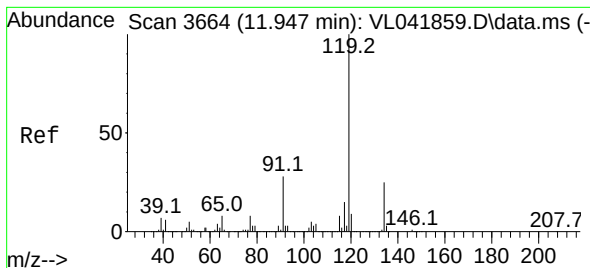
Tgt Ion:105 Resp: 1100240
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.353 ppbv
 RT: 10.396 min Scan# 3185
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Tgt Ion: 95 Resp: 328846
 Ion Ratio Lower Upper
 95 100
 174 63.9 51.1 76.7
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 12.230 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

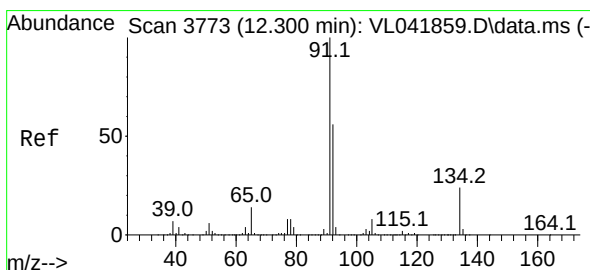
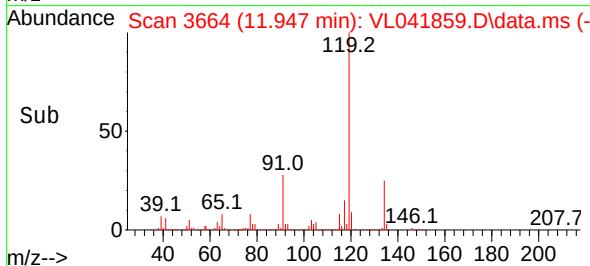
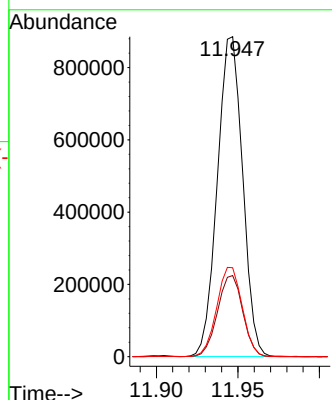
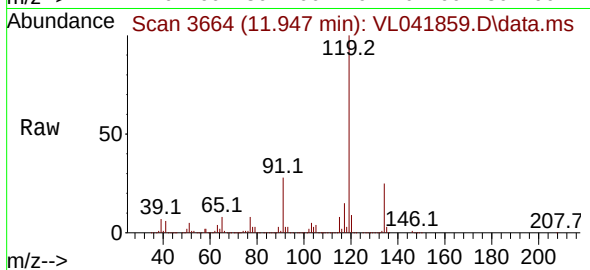
Tgt Ion:119 Resp: 952865

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 28.2 22.6 34.0



#70

n-Butylbenzene

Concen: 12.097 ppbv

RT: 12.300 min Scan# 3773

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

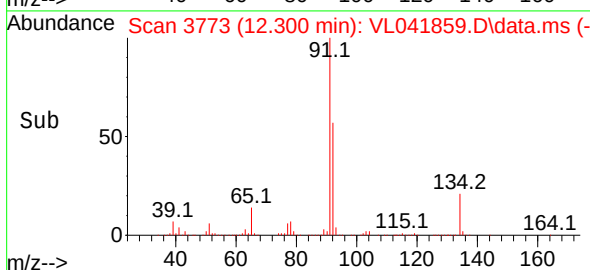
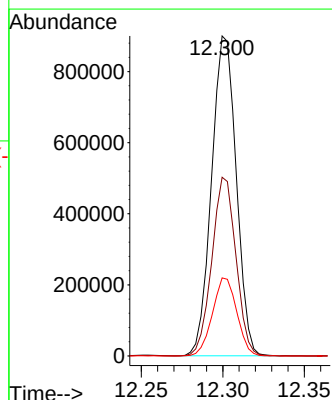
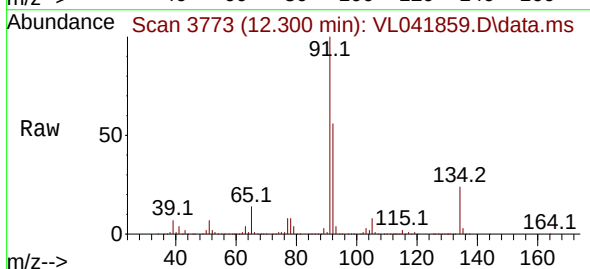
Tgt Ion: 91 Resp: 946867

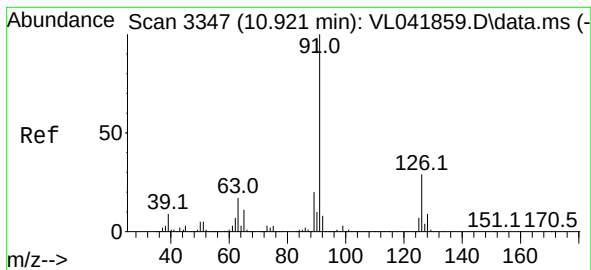
Ion Ratio Lower Upper

91 100

92 54.8 43.8 65.8

134 24.1 19.3 28.9

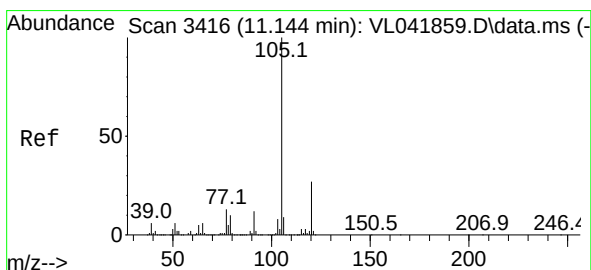
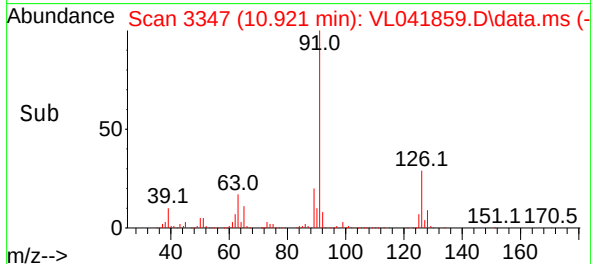
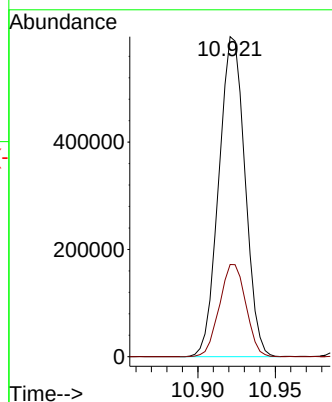
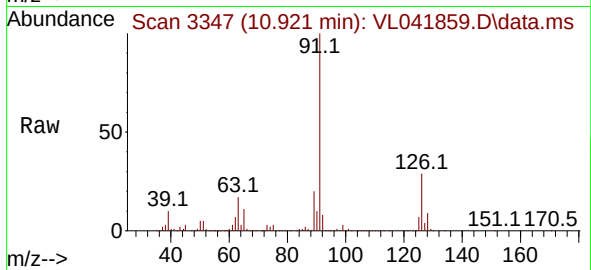




#71
2-Chlorotoluene
Concen: 12.787 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

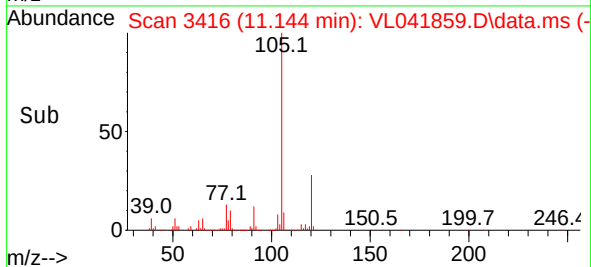
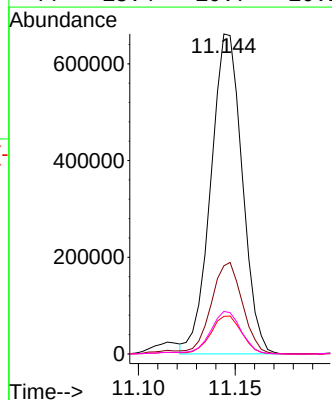
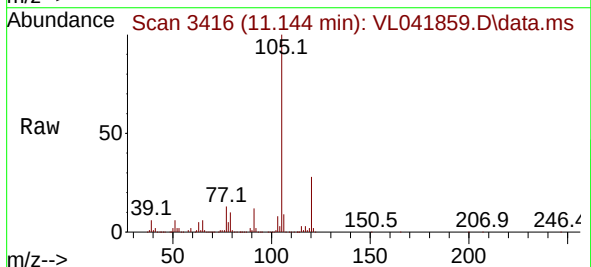
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

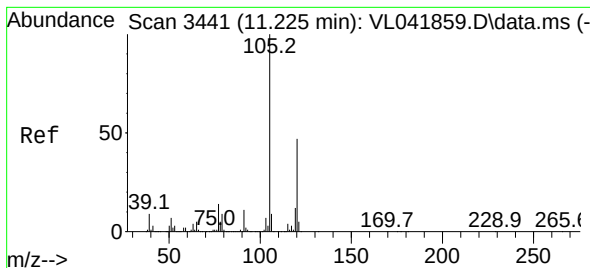
Tgt Ion: 91 Resp: 700520
Ion Ratio Lower Upper
91 100
126 29.1 11.6 46.6



#72
4-Ethyltoluene
Concen: 12.837 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:105 Resp: 745709
Ion Ratio Lower Upper
105 100
120 29.4 23.5 35.3
91 12.3 9.8 14.8
77 13.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 12.361 ppbv

RT: 11.225 min Scan# 3441

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Instrument :

MSVOA_1

ClientSampleId :

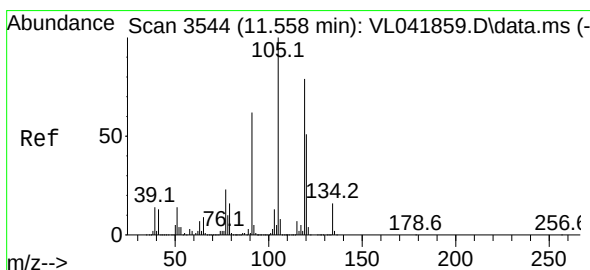
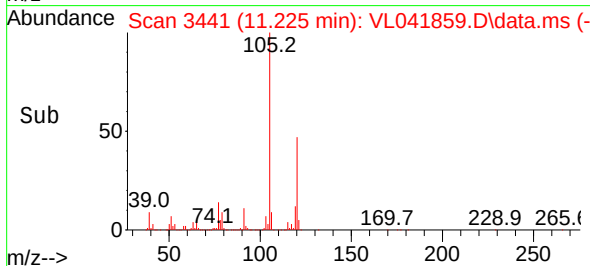
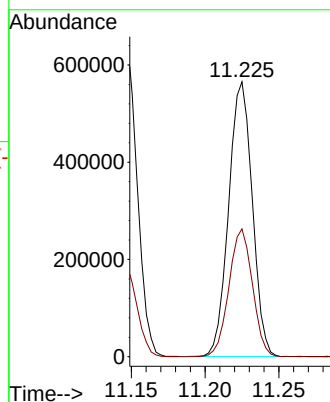
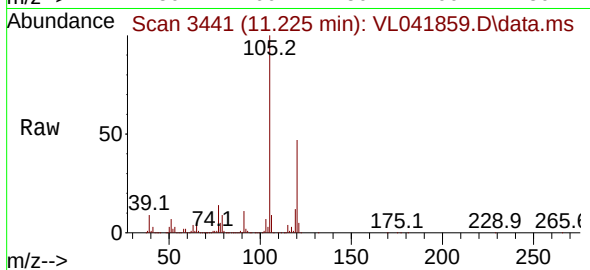
VSTDICCC010

Tgt Ion:105 Resp: 628921

Ion Ratio Lower Upper

105 100

120 46.5 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 11.261 ppbv

RT: 11.558 min Scan# 3544

Delta R.T. 0.000 min

Lab File: VL041859.D

Acq: 09 Jan 2025 11:19

Tgt Ion:105 Resp: 663696

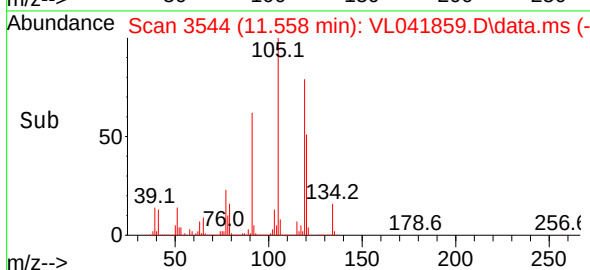
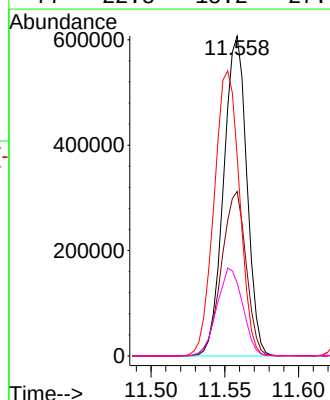
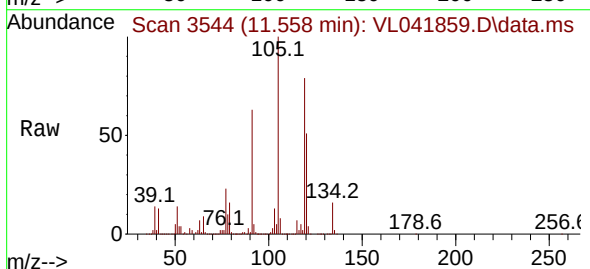
Ion Ratio Lower Upper

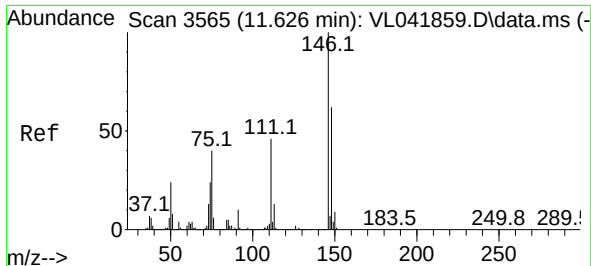
105 100

120 51.4 41.1 61.7

91 62.5 50.0 75.0

77 22.8 18.2 27.4

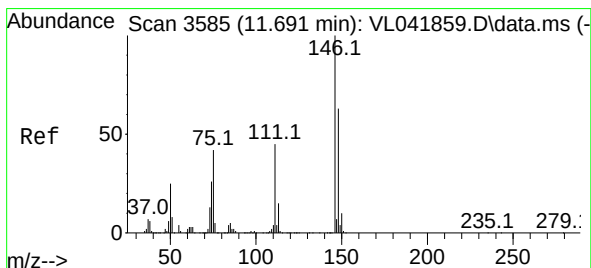
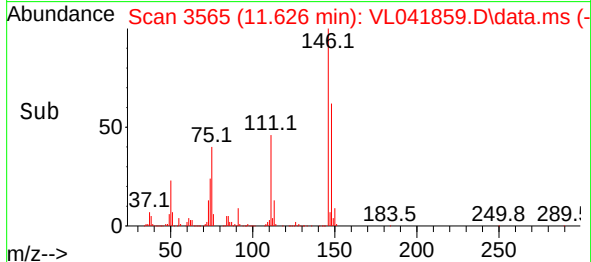
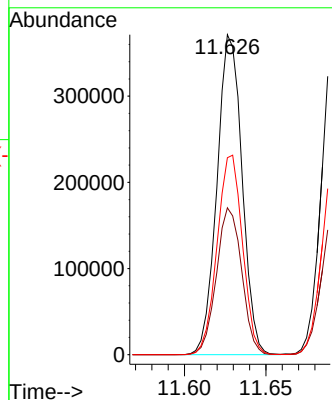
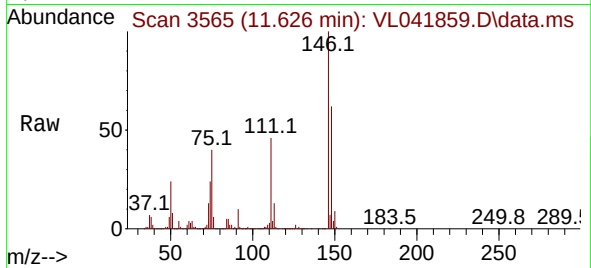




#75
1,3-Dichlorobenzene
Concen: 10.056 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

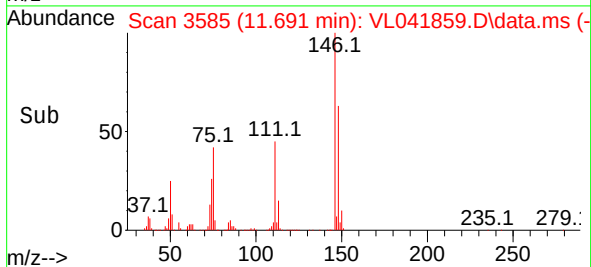
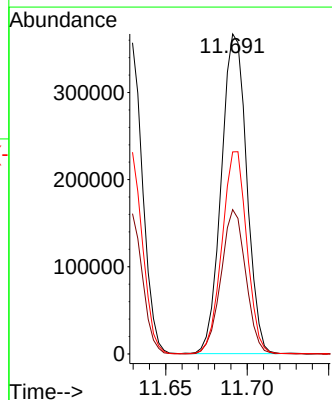
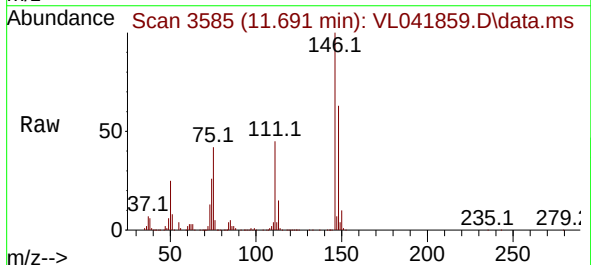
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

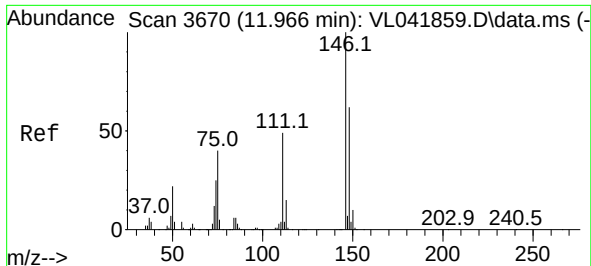
Tgt Ion:146 Resp: 396672
Ion Ratio Lower Upper
146 100
111 46.3 23.2 69.5
148 63.1 31.6 94.7



#76
1,4-Dichlorobenzene
Concen: 10.448 ppbv
RT: 11.691 min Scan# 3585
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:146 Resp: 396593
Ion Ratio Lower Upper
146 100
111 44.1 22.1 66.1
148 62.4 31.2 93.6

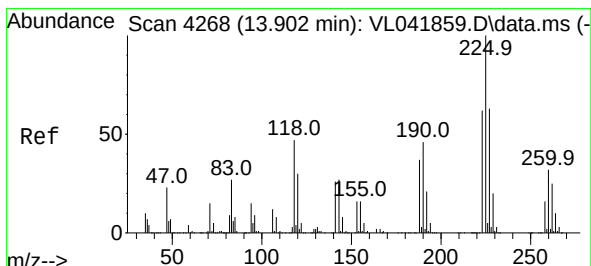
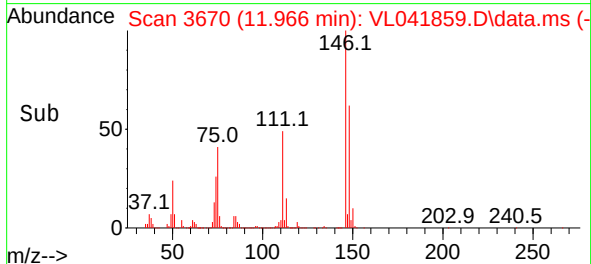
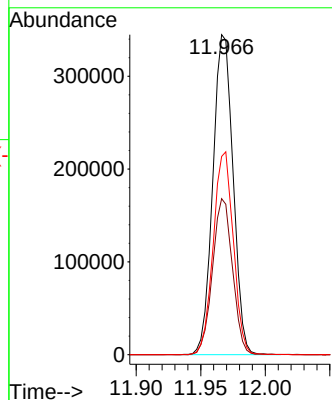
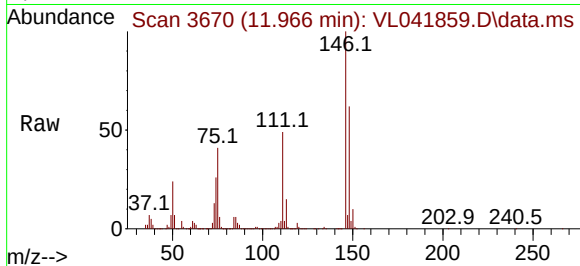




#77
1,2-Dichlorobenzene
Concen: 9.138 ppbv
RT: 11.966 min Scan# 3670
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

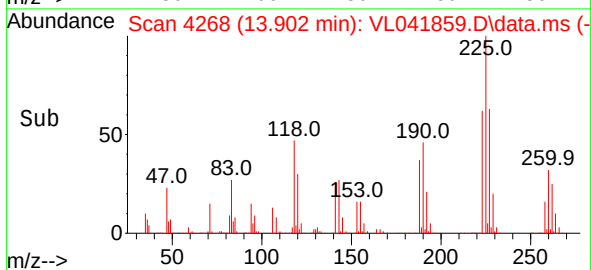
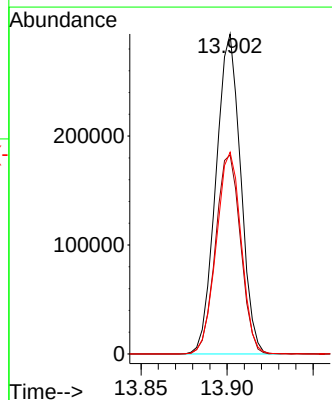
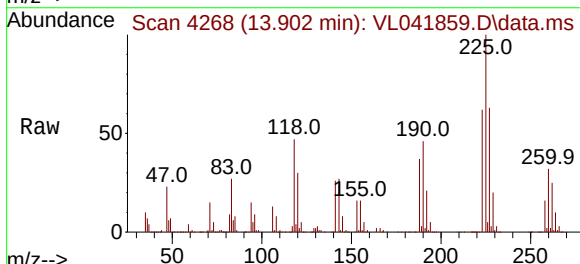
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

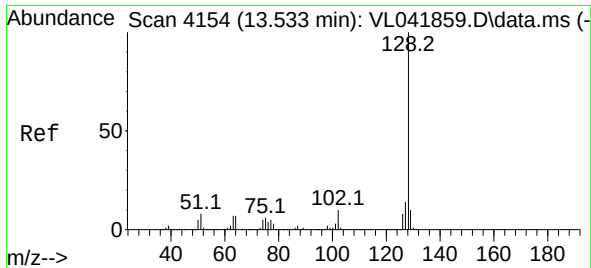
Tgt Ion:146 Resp: 375622
Ion Ratio Lower Upper
146 100
111 48.2 24.1 72.3
148 63.0 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 10.050 ppbv
RT: 13.902 min Scan# 4268
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:225 Resp: 293286
Ion Ratio Lower Upper
225 100
223 63.2 50.6 75.8
227 63.6 50.9 76.3

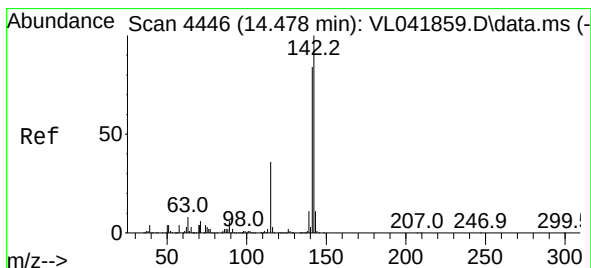
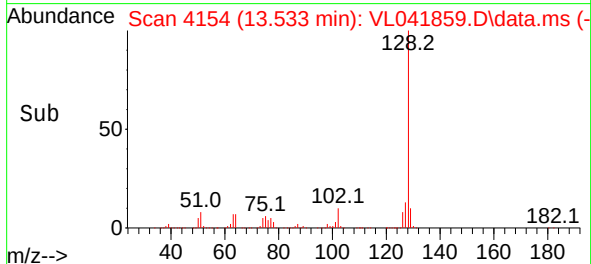
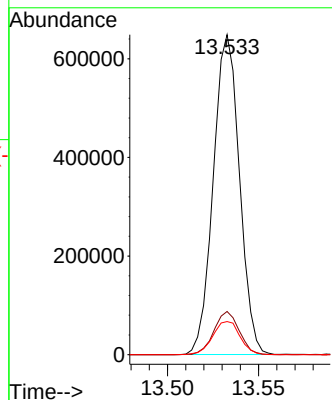
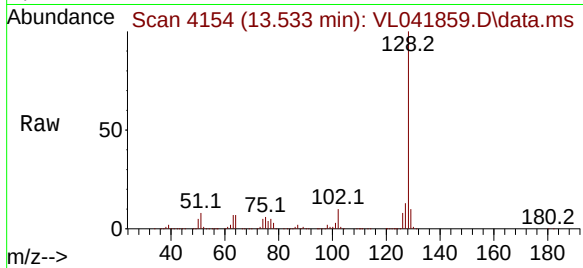




#79
Naphthalene
Concen: 14.936 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

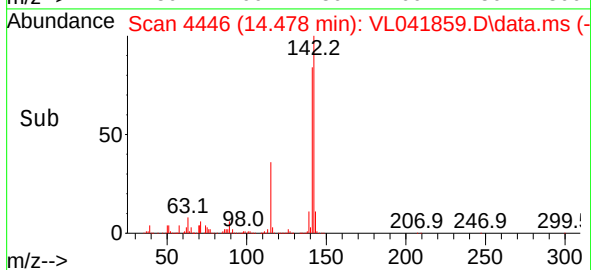
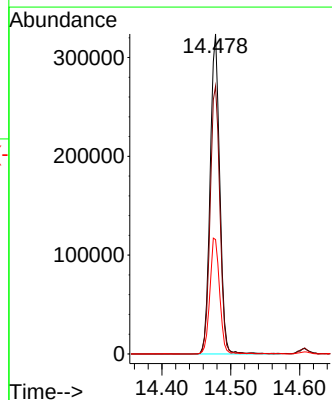
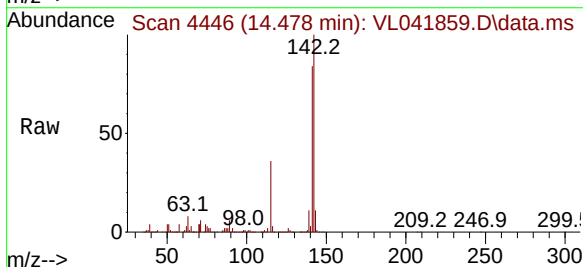
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

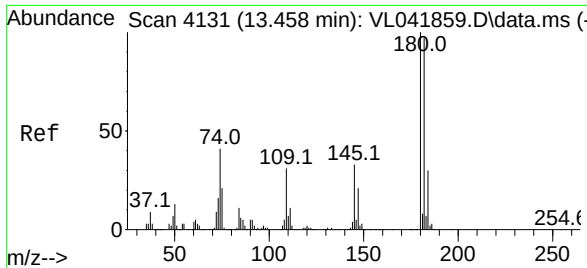
Tgt Ion:128 Resp: 648444
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 10.3 8.2 12.4



#80
Naphthalene,2-methyl-
Concen: 19.482 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.000 min
Lab File: VL041859.D
Acq: 09 Jan 2025 11:19

Tgt Ion:142 Resp: 313057
Ion Ratio Lower Upper
142 100
141 85.3 68.2 102.4
115 36.8 29.4 44.2

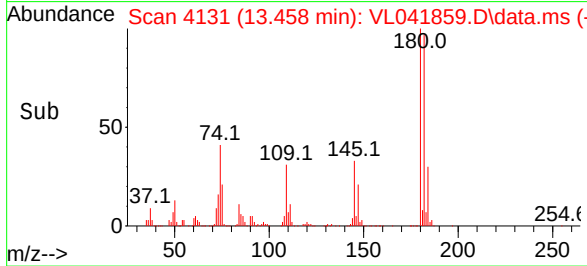
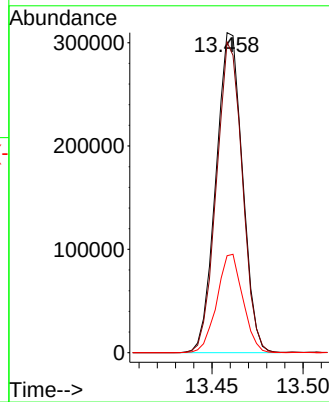
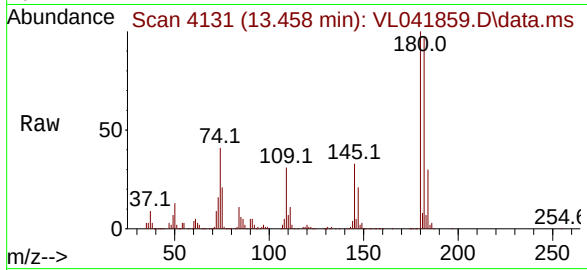




#81
 1,2,4-Trichlorobenzene
 Concen: 13.033 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041859.D
 Acq: 09 Jan 2025 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 313601
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.8
 184 30.2 24.1 36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041860.D
 Acq On : 09 Jan 2025 11:52
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jan 10 00:14:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	145561	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	440592	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	401428	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	324737	9.445	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	47849	2.003	ppbv	97
3) Chlorodifluoromethane	1.483	51	54474	2.387	ppbv	97
4) Chloromethane	1.541	50	19879	2.024	ppbv	97
5) Vinyl Chloride	1.589	62	18283	1.846	ppbv	94
6) Bromomethane	1.677	94	9801	2.310	ppbv	98
7) Chloroethane	1.712	64	7947	2.084	ppbv	92
8) Dichlorotetrafluoroethane	1.560	85	44848	2.176	ppbv	94
9) Propene	1.489	41	24915	3.136	ppbv	98
10) Heptane	5.011	43	66122	3.369	ppbv	97
11) Trichlorofluoromethane	1.887	101	52216	2.150	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.153	101	41991	2.322	ppbv	96
13) Ethanol	1.729	45	2238	2.144	ppbv	86
14) Bromoethene	1.790	108	15205	2.568	ppbv #	98
15) Acetone	1.845	43	52918	1.975	ppbv	95
16) 1,3-Butadiene	1.615	39	20658	1.966	ppbv	97
17) tert-Butyl alcohol	2.052	59	58092	2.502	ppbv	95
18) 1,1-Dichloroethene	2.046	96	18153	2.397	ppbv	94
19) Isopropyl Alcohol	1.897	45	26028	2.069	ppbv #	34
20) Methylene Chloride	2.072	84	17135	2.237	ppbv	98
21) Allyl Chloride	2.107	41	32414	2.348	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	21862	2.583	ppbv	99
23) Vinyl Acetate	2.476	43	30926	3.710	ppbv #	96
24) 1,1-Dichloroethane	2.424	63	40950	2.211	ppbv	99
25) Ethyl Acetate	2.855	43	126167	2.807	ppbv	98
26) Hexane	2.842	57	52287	3.352	ppbv	98
27) Carbon Disulfide	2.162	76	50347	3.401	ppbv #	57
28) Methyl tert-Butyl Ether	2.457	73	43777	3.724	ppbv	94
29) Chloroform	2.865	83	74846	2.583	ppbv	99
30) Cyclohexane	3.878	84	46542	3.935	ppbv	95
31) cis-1,2-Dichloroethene	2.738	61	50096	3.120	ppbv	95
32) 1,1,1-Trichloroethane	3.389	97	72210	2.750	ppbv	99
34) 2-Butanone	2.573	43	78681	2.267	ppbv	97
35) Carbon Tetrachloride	3.790	117	69223	2.079	ppbv	92
36) Benzene	3.680	78	106654	2.534	ppbv	96
37) 1,2-Dichloroethane	3.240	62	54776	1.980	ppbv	98
38) Trichloroethene	4.574	130	41427	2.559	ppbv	91
39) 1,2-Dichloropropane	4.341	63	21050	1.293	ppbv	94
40) 1,4-Dioxane	4.629	88	18864	2.994	ppbv #	71
41) Tetrahydrofuran	3.078	42	44570	2.726	ppbv	97
42) Bromodichloromethane	4.515	83	75424	2.324	ppbv	96
43) Methyl Methacrylate	4.910	69	19569	1.481	ppbv #	1
44) 2,2,4-Trimethylpentane	4.674	57	180117	2.597	ppbv	100
45) t-1,3-Dichloropropene	6.454	75	43372	3.361	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041860.D
 Acq On : 09 Jan 2025 11:52
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

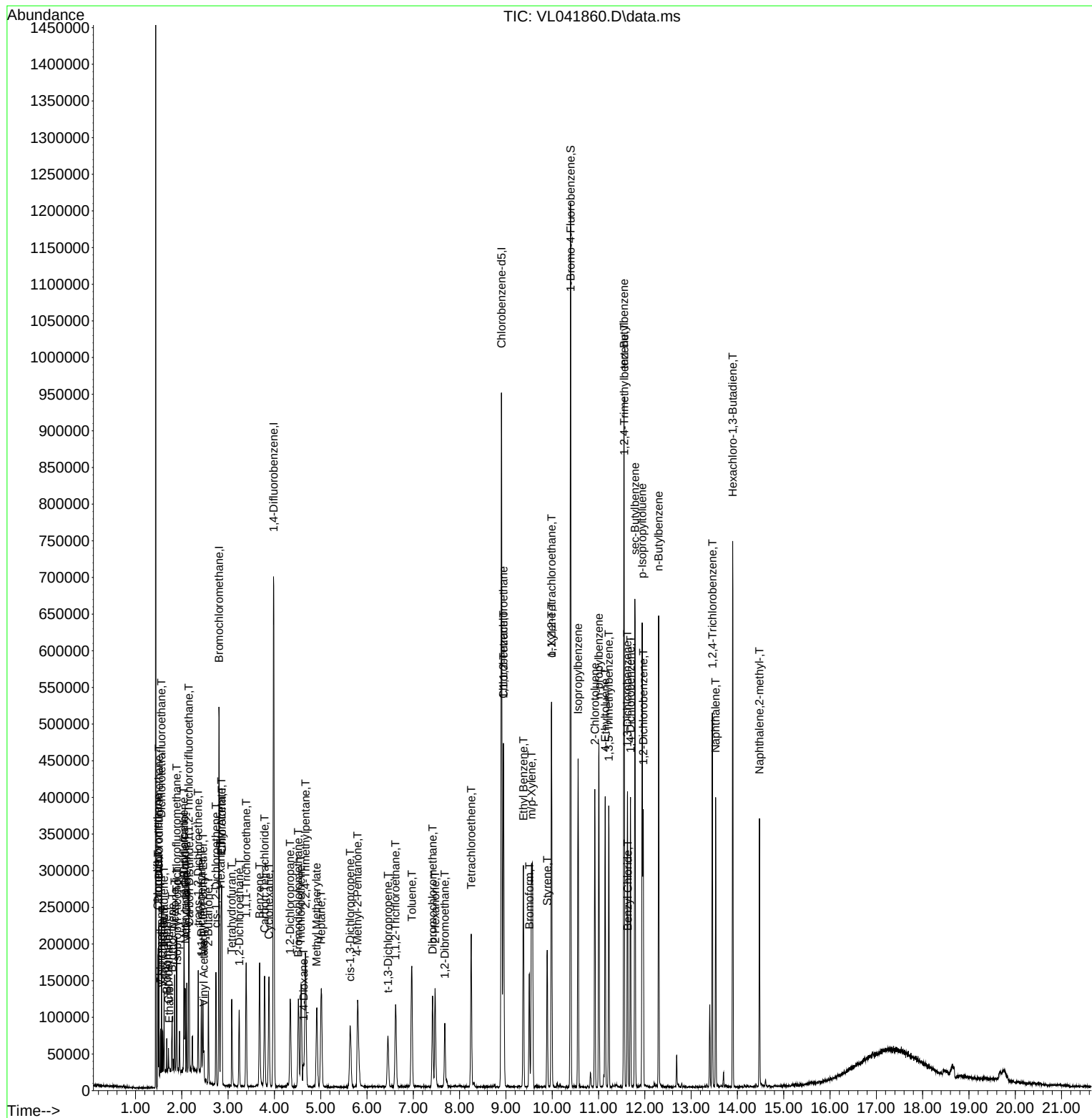
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

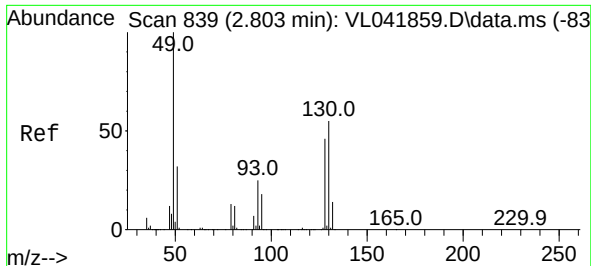
Quant Time: Jan 10 00:14:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	55051	3.240	ppbv	90
47) 1,1,2-Trichloroethane	6.616	97	21227	1.234	ppbv	96
48) Dibromochloromethane	7.419	129	61313	2.797	ppbv	98
49) Bromoform	9.506	173	53734	3.059	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	108191	2.696	ppbv	99
51) 2-Hexanone	7.470	43	90844	2.991	ppbv #	98
52) Tetrachloroethene	8.250	164	37701	3.021	ppbv	94
53) Toluene	6.969	91	125295	3.345	ppbv	97
54) 1,2-Dibromoethane	7.681	107	54562	2.587	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	51252	2.240	ppbv	97
57) Chlorobenzene	8.946	112	94006	2.242	ppbv	95
58) Ethyl Benzene	9.377	91	177814	3.250	ppbv	98
59) m/p-Xylene	9.552	91	157253	3.262	ppbv #	100
60) o-Xylene	9.985	91	138722	2.953	ppbv	100
61) Styrene	9.891	104	68864	3.779	ppbv	100
62) Isopropylbenzene	10.558	105	212705	2.882	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	82870	2.012	ppbv	99
64) n-propylbenzene	11.008	120	54888	2.899	ppbv	97
65) tert-Butylbenzene	11.549	119	196649	2.957	ppbv	99
66) Benzyl Chloride	11.636	91	20300	3.644	ppbv	99
67) sec-Butylbenzene	11.785	105	270495	2.787	ppbv	98
69) p-Isopropyltoluene	11.943	119	229731	3.015	ppbv	100
70) n-Butylbenzene	12.299	91	230497	3.011	ppbv	100
71) 2-Chlorotoluene	10.921	91	161864	3.021	ppbv	99
72) 4-Ethyltoluene	11.144	105	175142	3.083	ppbv	100
73) 1,3,5-Trimethylbenzene	11.222	105	146927	2.953	ppbv	99
74) 1,2,4-Trimethylbenzene	11.555	105	163980	2.845	ppbv	97
75) 1,3-Dichlorobenzene	11.626	146	95654	2.480	ppbv	99
76) 1,4-Dichlorobenzene	11.691	146	95164	2.564	ppbv	100
77) 1,2-Dichlorobenzene	11.966	146	90047	2.240	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	81017	2.839	ppbv	99
79) Naphthalene	13.529	128	181703	4.280	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	107211	6.823	ppbv	100
81) 1,2,4-Trichlorobenzene	13.458	180	86805	3.689	ppbv	99

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

Quant Time: Jan 10 00:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

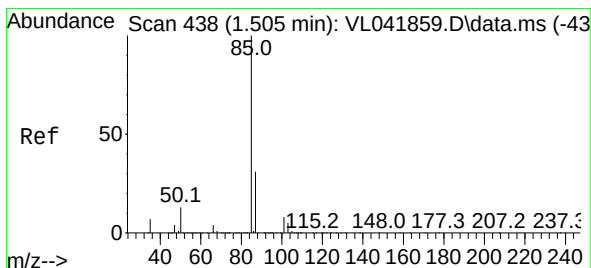
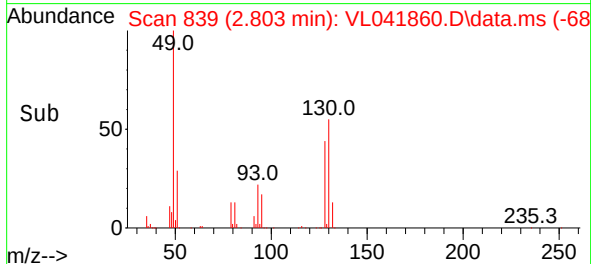
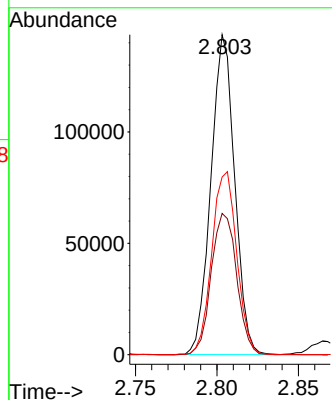
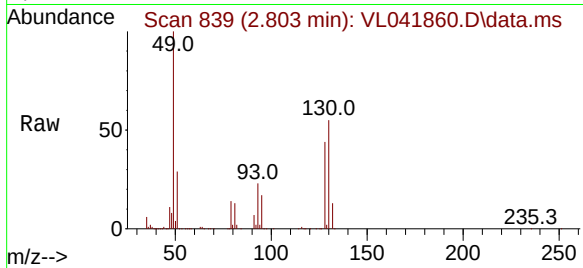




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

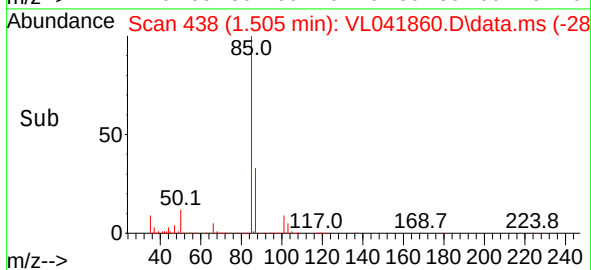
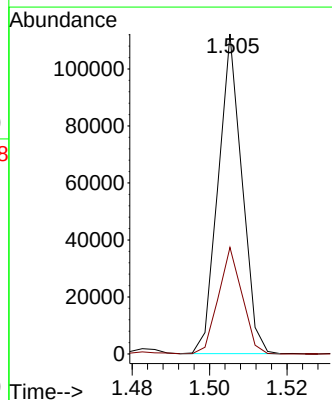
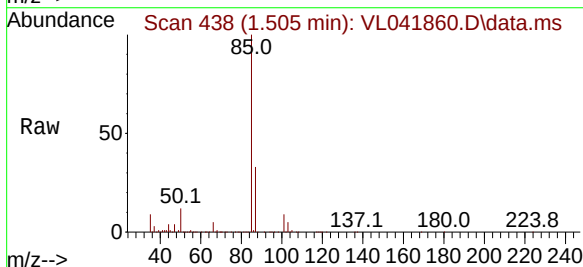
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

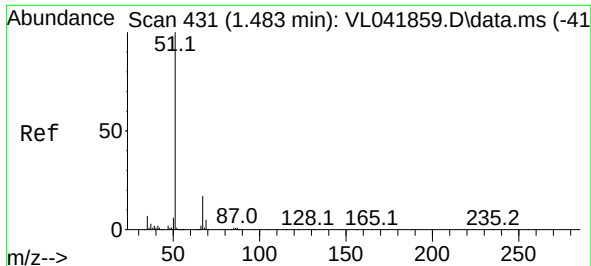
Tgt Ion: 49 Resp: 145561
Ion Ratio Lower Upper
49 100
128 47.5 23.2 69.5
130 60.1 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 2.003 ppbv
RT: 1.505 min Scan# 438
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 85 Resp: 47849
Ion Ratio Lower Upper
85 100
87 33.4 25.2 37.8

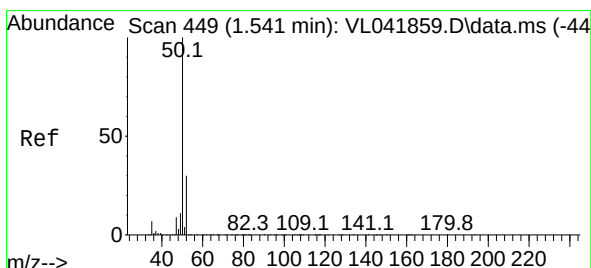
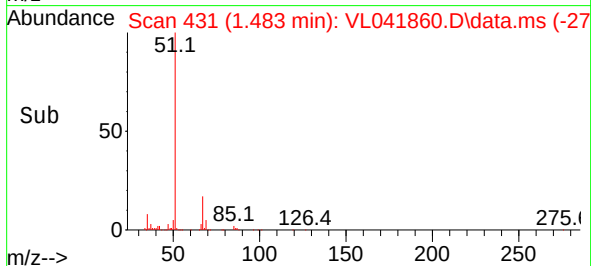
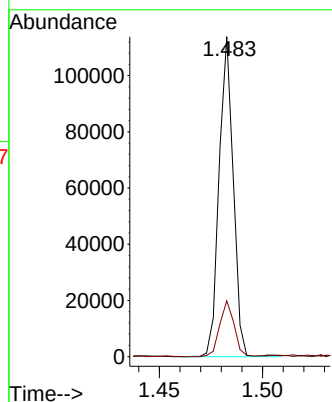
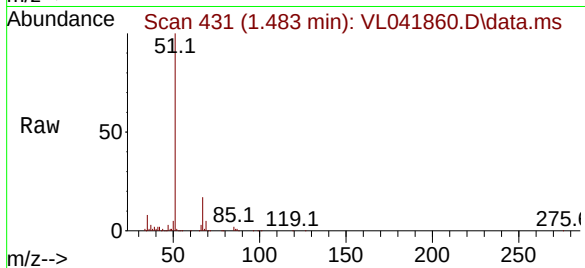




#3
Chlorodifluoromethane
Concen: 2.387 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

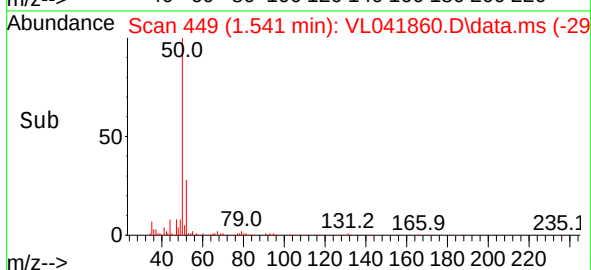
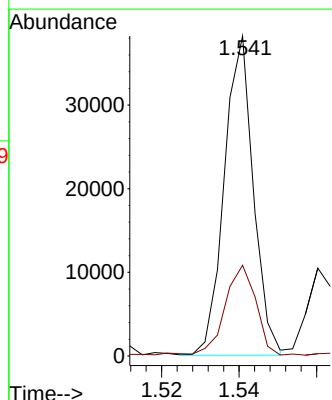
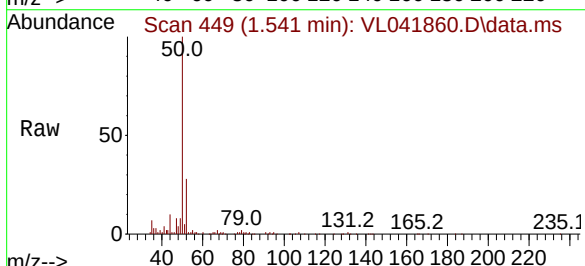
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

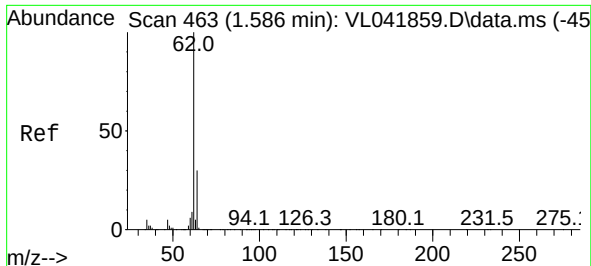
Tgt Ion: 51 Resp: 54474
Ion Ratio Lower Upper
51 100
67 18.6 13.8 20.8



#4
Chloromethane
Concen: 2.024 ppbv
RT: 1.541 min Scan# 449
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 50 Resp: 19879
Ion Ratio Lower Upper
50 100
52 28.1 23.9 35.9

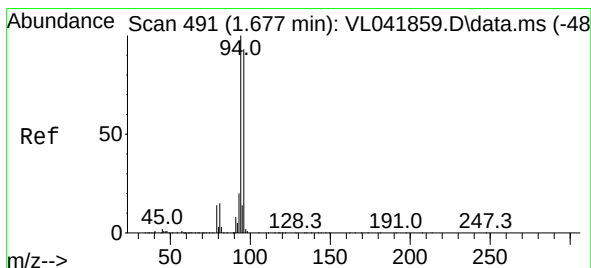
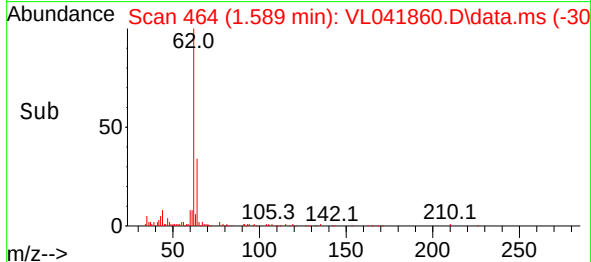
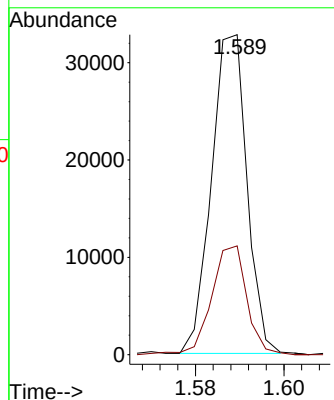
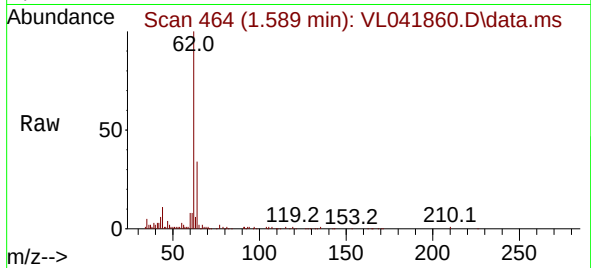




#5
Vinyl Chloride
Concen: 1.846 ppbv
RT: 1.589 min Scan# 464
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

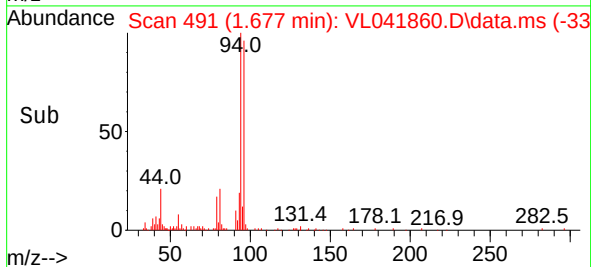
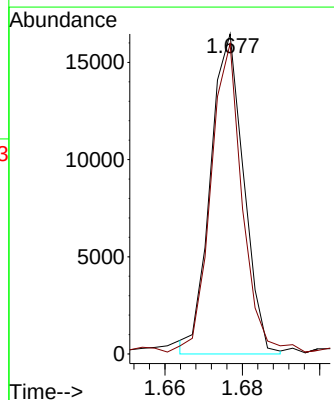
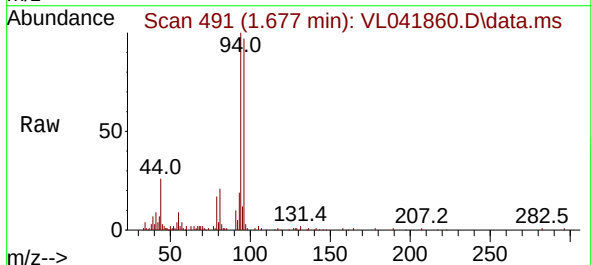
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

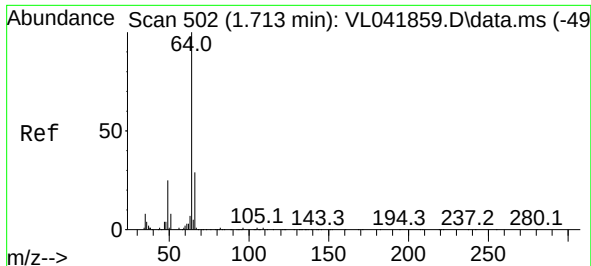
Tgt Ion: 62 Resp: 18283
Ion Ratio Lower Upper
62 100
64 33.5 24.1 36.1



#6
Bromomethane
Concen: 2.310 ppbv
RT: 1.677 min Scan# 491
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 94 Resp: 9801
Ion Ratio Lower Upper
94 100
96 95.3 74.8 112.2

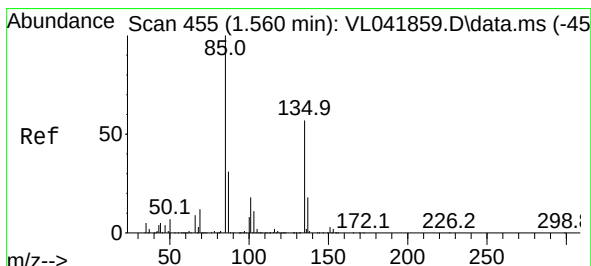
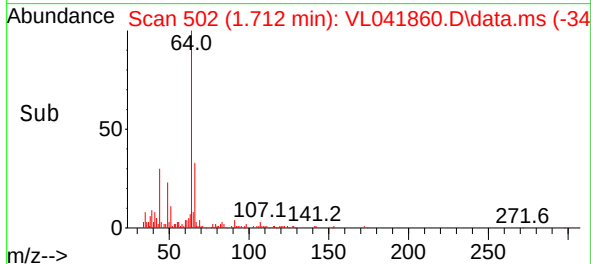
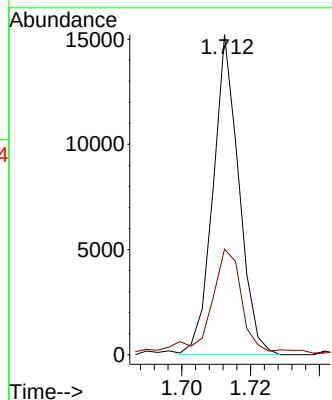
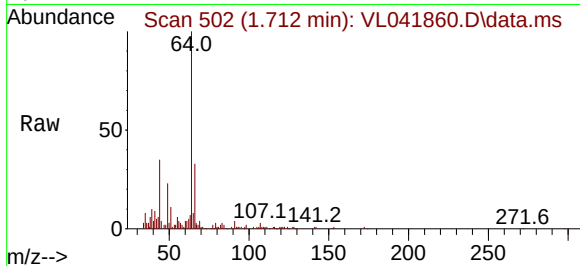




#7
Chloroethane
Concen: 2.084 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

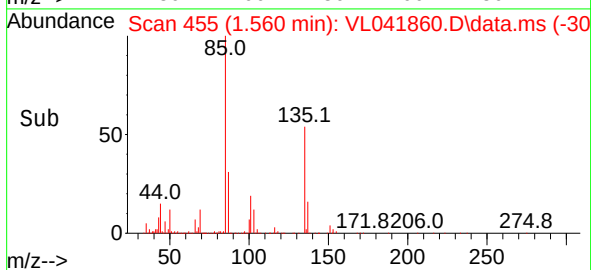
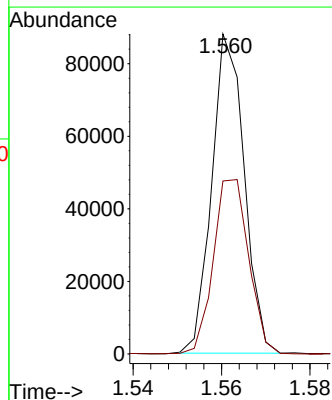
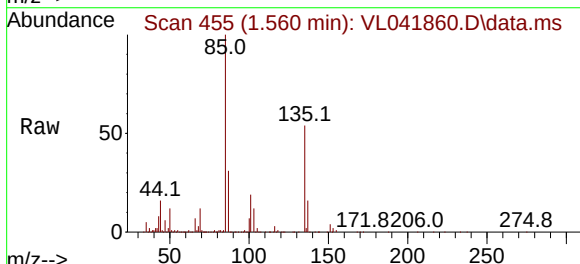
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

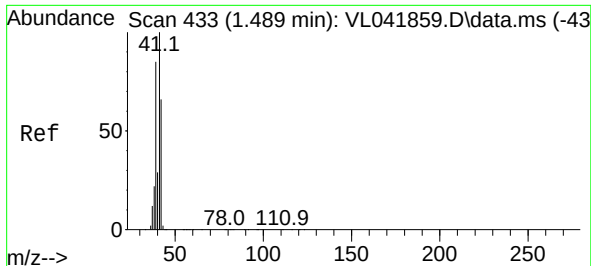
Tgt Ion: 64 Resp: 7947
Ion Ratio Lower Upper
64 100
66 33.0 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 2.176 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 85 Resp: 44848
Ion Ratio Lower Upper
85 100
135 60.3 52.2 78.4





#9

Propene

Concen: 3.136 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

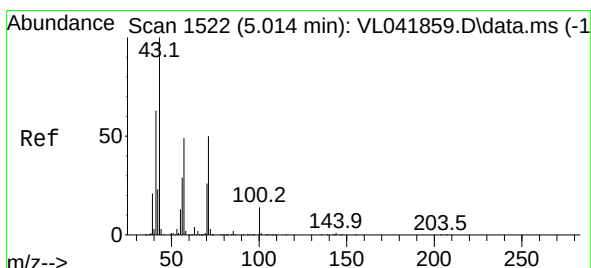
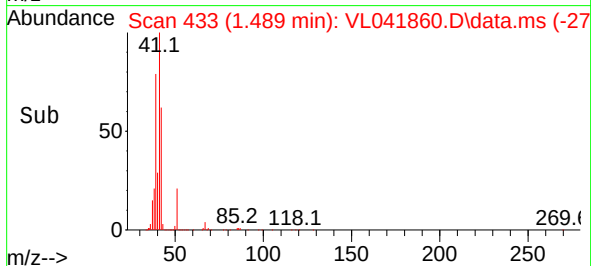
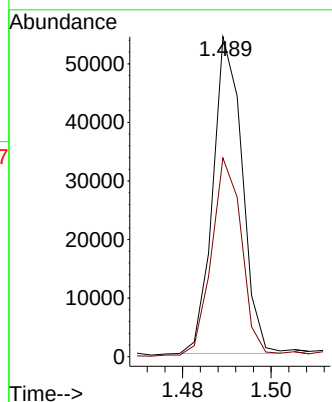
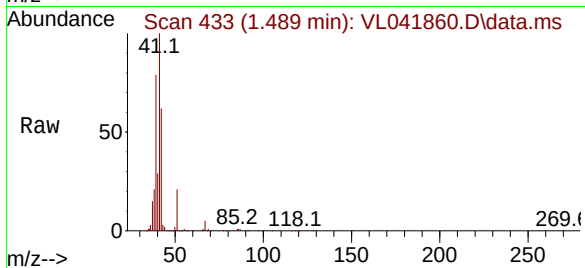
VSTDIC002

Tgt Ion: 41 Resp: 24915

Ion Ratio Lower Upper

41 100

42 68.1 53.0 79.6



#10

Heptane

Concen: 3.369 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. -0.003 min

Lab File: VL041860.D

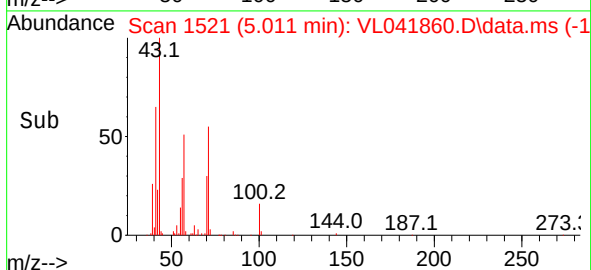
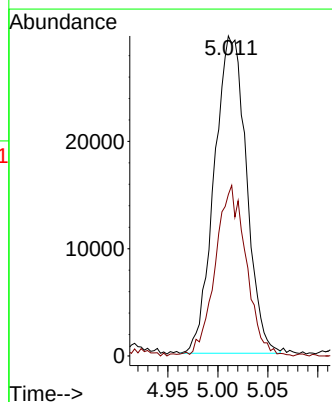
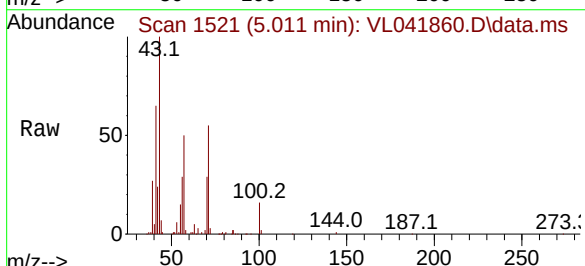
Acq: 09 Jan 2025 11:52

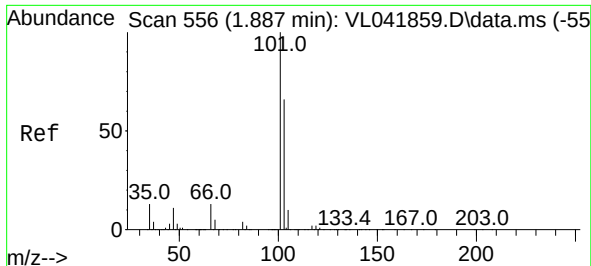
Tgt Ion: 43 Resp: 66122

Ion Ratio Lower Upper

43 100

57 52.2 40.2 60.2





#11

Trichlorofluoromethane

Concen: 2.150 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

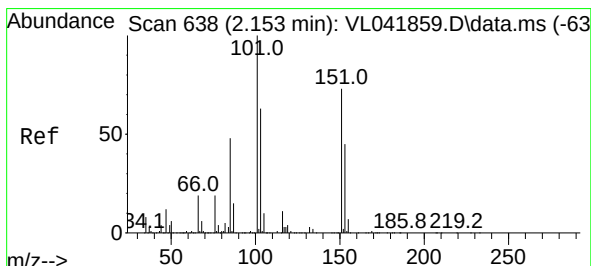
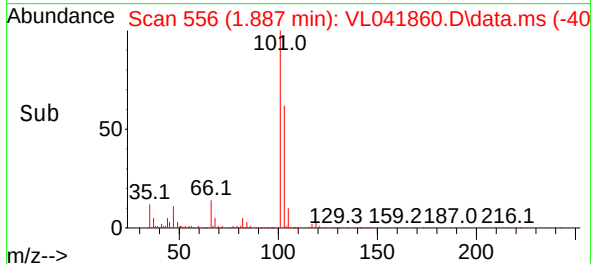
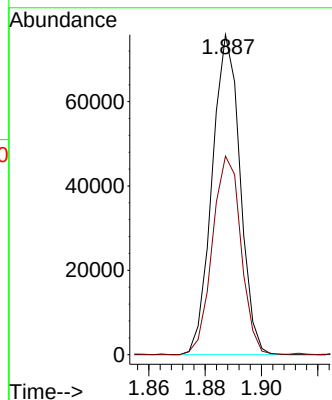
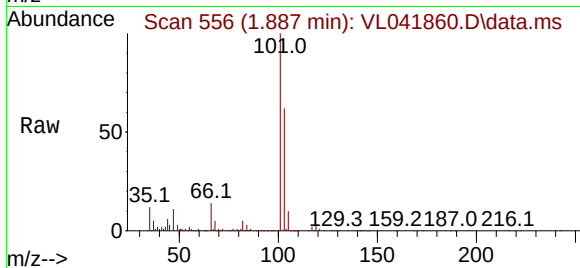
VSTDICC002

Tgt Ion:101 Resp: 52216

Ion Ratio Lower Upper

101 100

103 62.1 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.322 ppbv

RT: 2.153 min Scan# 638

Delta R.T. -0.000 min

Lab File: VL041860.D

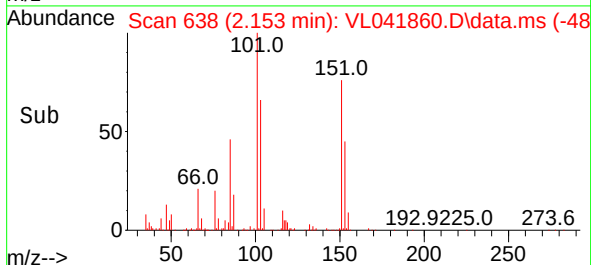
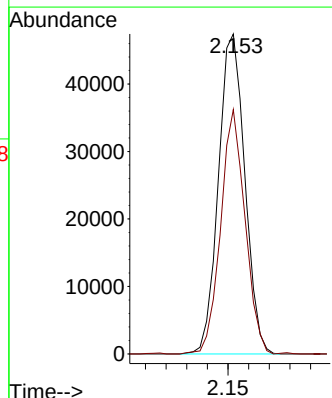
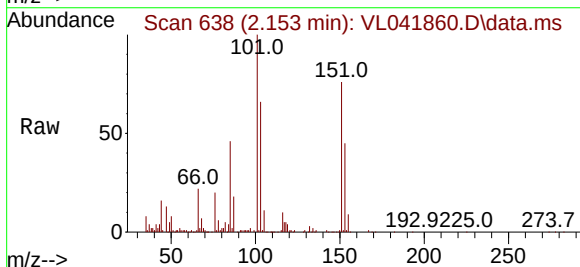
Acq: 09 Jan 2025 11:52

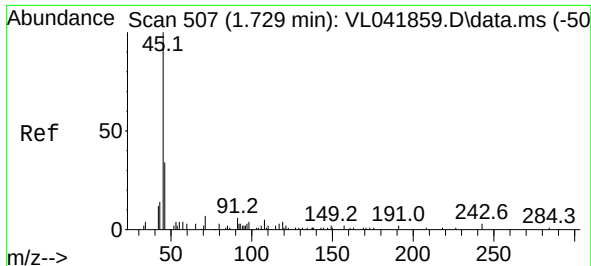
Tgt Ion:101 Resp: 41991

Ion Ratio Lower Upper

101 100

151 70.9 59.4 89.0





#13

Ethanol

Concen: 2.144 ppbv

RT: 1.729 min Scan# 507

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

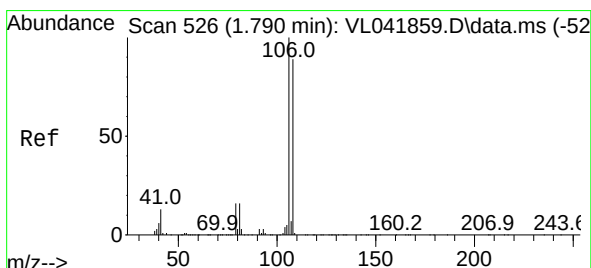
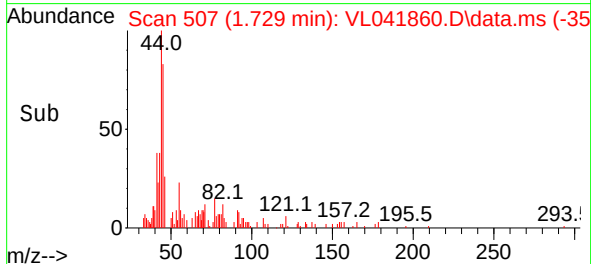
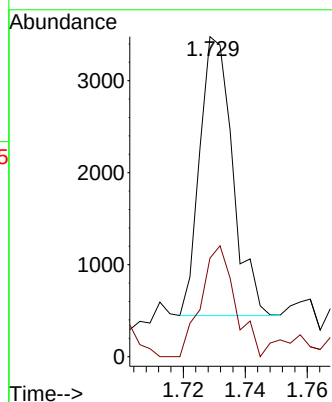
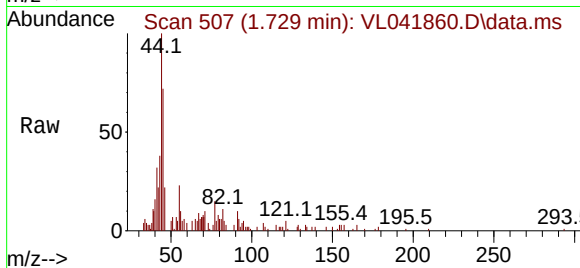
VSTDICC002

Tgt Ion: 45 Resp: 2238

Ion Ratio Lower Upper

45 100

46 57.1 19.0 76.0



#14

Bromoethene

Concen: 2.568 ppbv

RT: 1.790 min Scan# 526

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

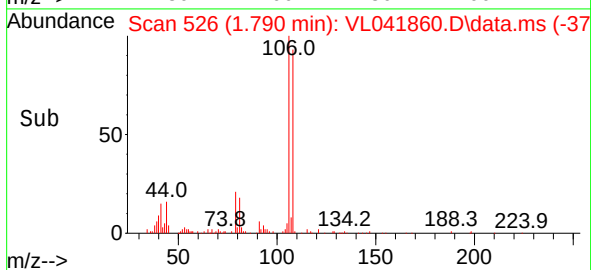
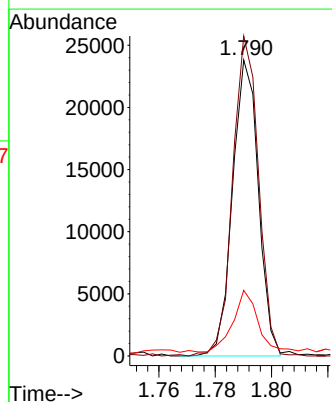
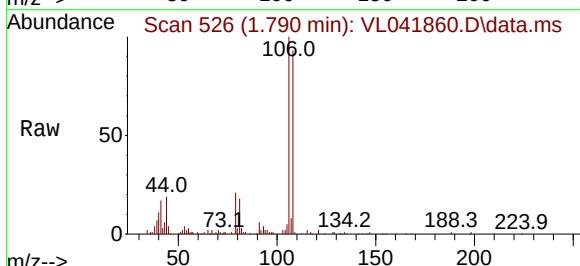
Tgt Ion: 108 Resp: 15205

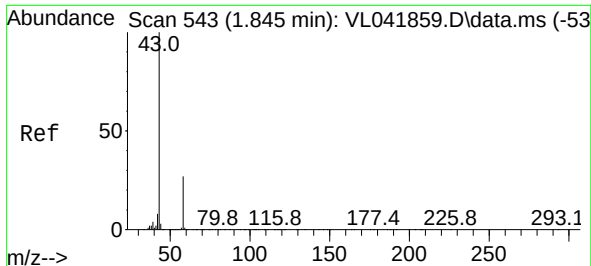
Ion Ratio Lower Upper

108 100

106 108.0 86.9 130.3

79 24.2 15.6 23.4#

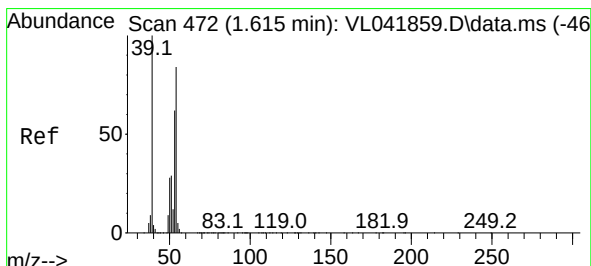
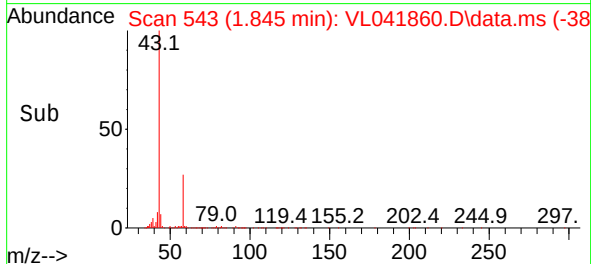
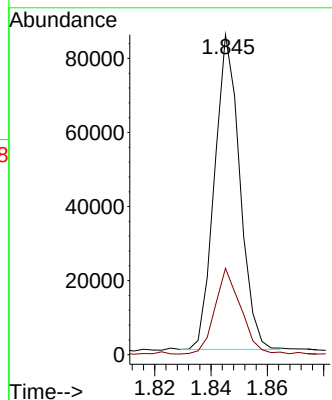
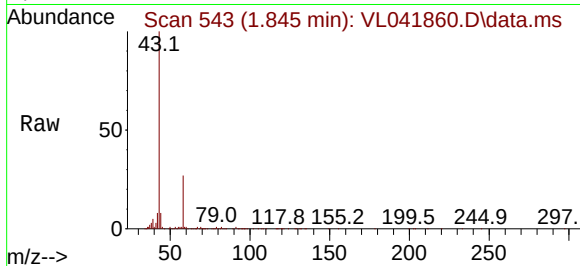




#15
Acetone
Concen: 1.975 ppbv
RT: 1.845 min Scan# 543
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

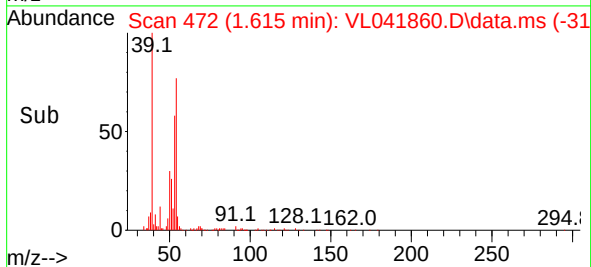
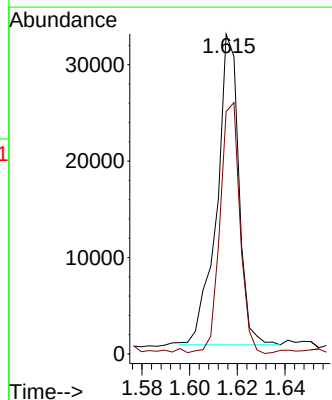
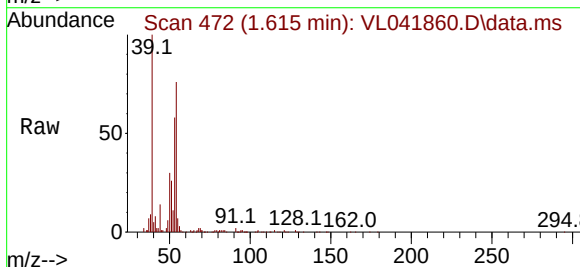
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

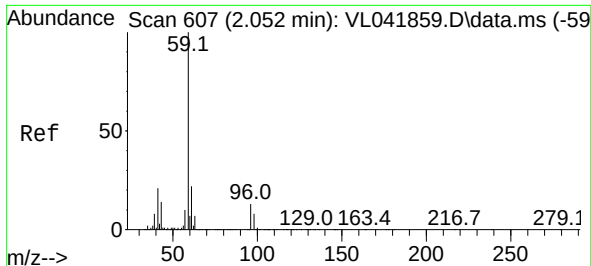
Tgt Ion: 43 Resp: 52918
Ion Ratio Lower Upper
43 100
58 31.0 22.7 34.1



#16
1,3-Butadiene
Concen: 1.966 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 39 Resp: 20658
Ion Ratio Lower Upper
39 100
54 72.3 60.1 90.1





#17

tert-Butyl alcohol

Concen: 2.502 ppbv

RT: 2.052 min Scan# 607

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_1

ClientSampleId :

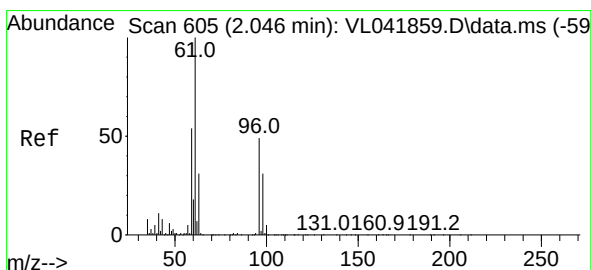
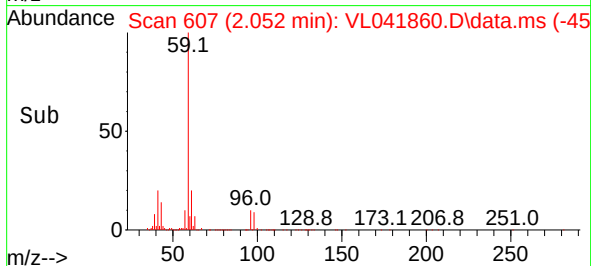
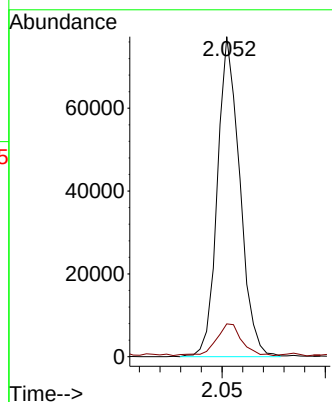
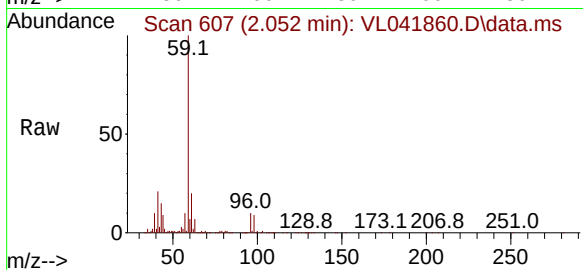
VSTDIC002

Tgt Ion: 59 Resp: 58092

Ion Ratio Lower Upper

59 100

57 12.1 8.2 12.4



#18

1,1-Dichloroethene

Concen: 2.397 ppbv

RT: 2.046 min Scan# 605

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

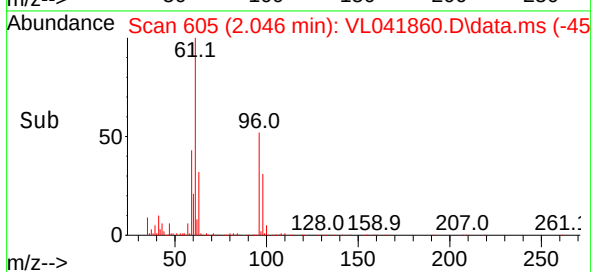
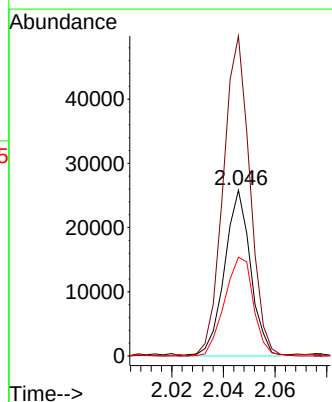
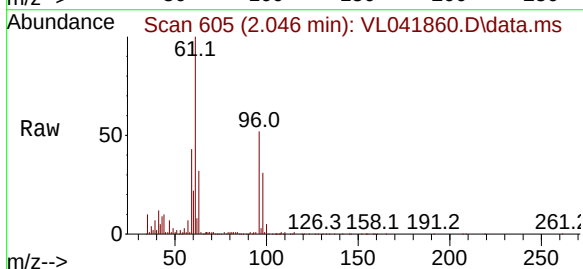
Tgt Ion: 96 Resp: 18153

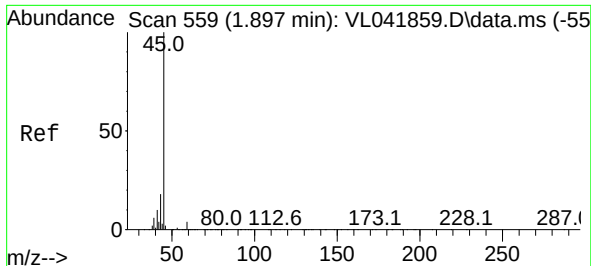
Ion Ratio Lower Upper

96 100

61 193.0 161.7 242.5

98 58.6 51.0 76.4

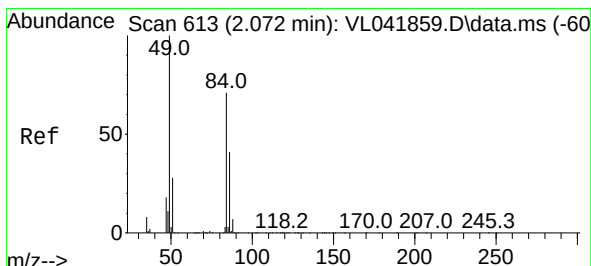
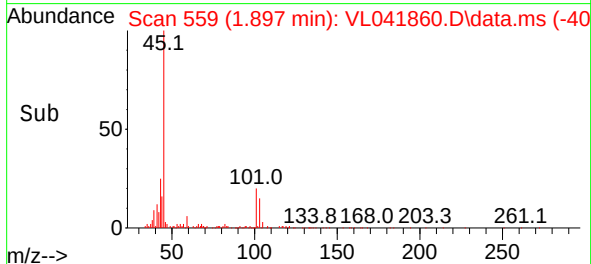
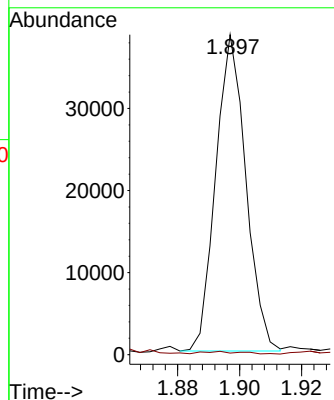
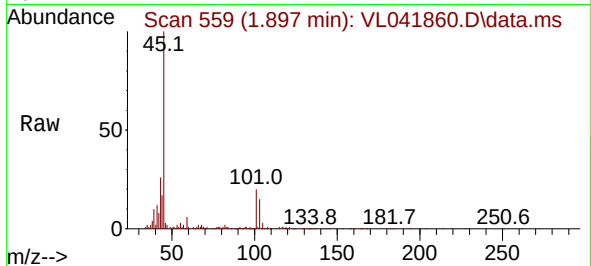




#19
Isopropyl Alcohol
Concen: 2.069 ppbv
RT: 1.897 min Scan# 559
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

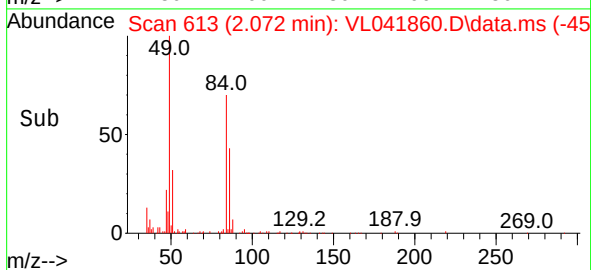
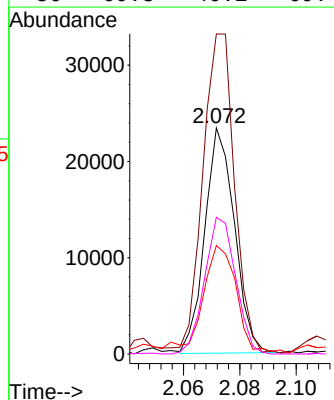
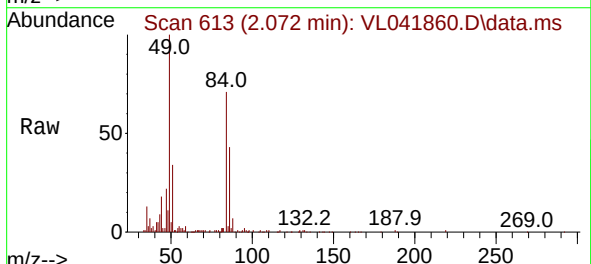
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

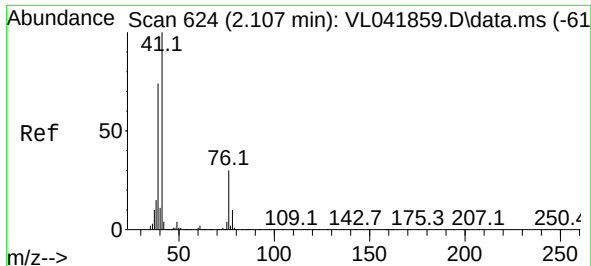
Tgt Ion: 45 Resp: 26028
Ion Ratio Lower Upper
45 100
58 2.7 37.0 55.6#



#20
Methylene Chloride
Concen: 2.237 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 84 Resp: 17135
Ion Ratio Lower Upper
84 100
49 142.1 113.8 170.8
51 46.5 33.5 50.3
86 60.8 46.2 69.4





#21

Allyl Chloride

Concen: 2.348 ppbv

RT: 2.107 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

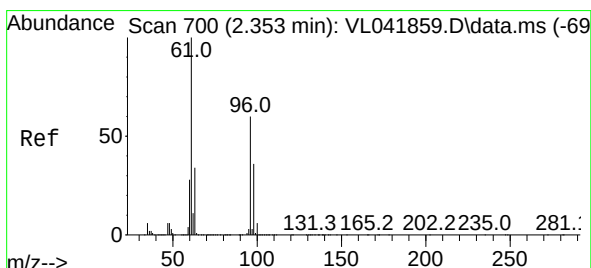
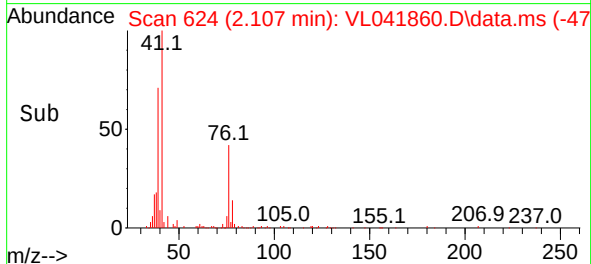
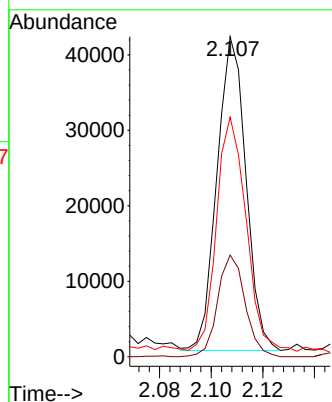
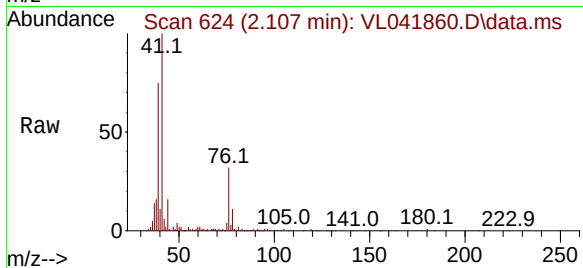
Tgt Ion: 41 Resp: 32414

Ion Ratio Lower Upper

41 100

76 30.6 24.6 36.8

39 74.3 60.1 90.1



#22

trans-1,2-Dichloroethene

Concen: 2.583 ppbv

RT: 2.353 min Scan# 700

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

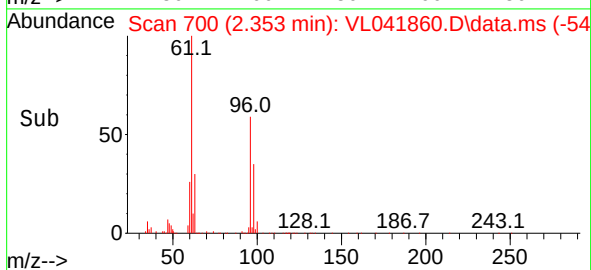
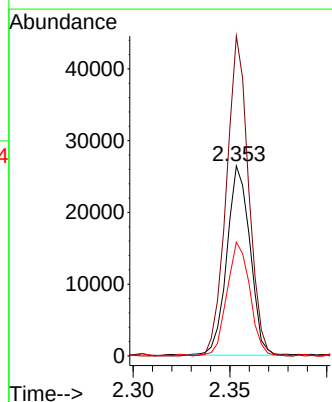
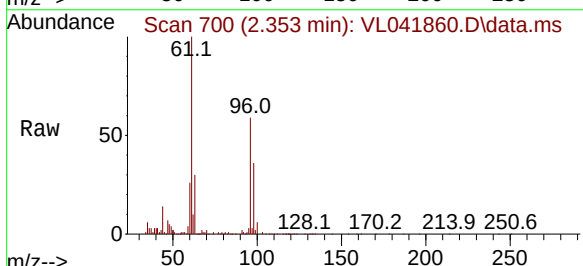
Tgt Ion: 96 Resp: 21862

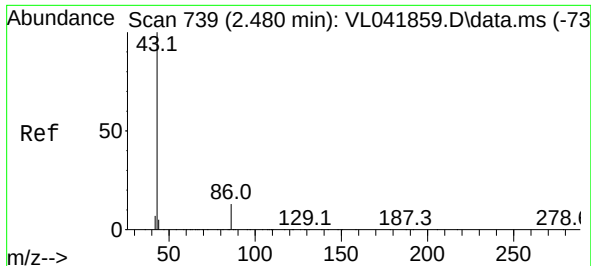
Ion Ratio Lower Upper

96 100

61 169.1 134.2 201.4

98 59.8 49.0 73.4

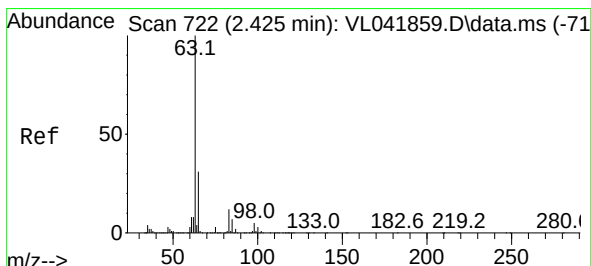
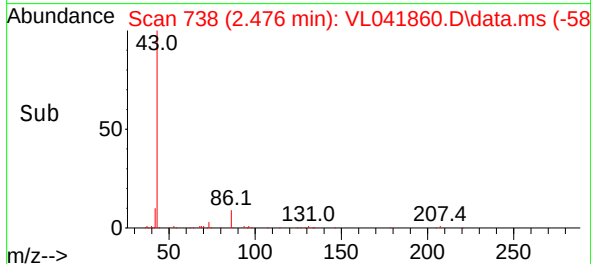
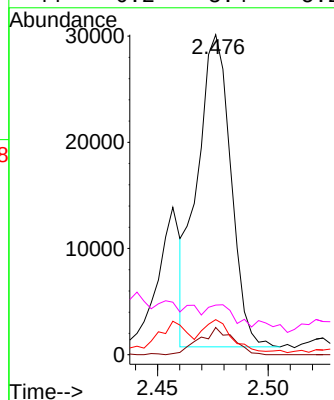
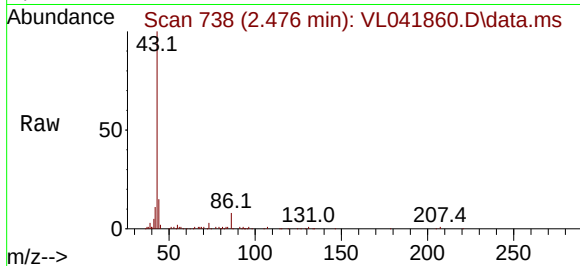




#23
 Vinyl Acetate
 Concen: 3.710 ppbv
 RT: 2.476 min Scan# 739
 Delta R.T. -0.003 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

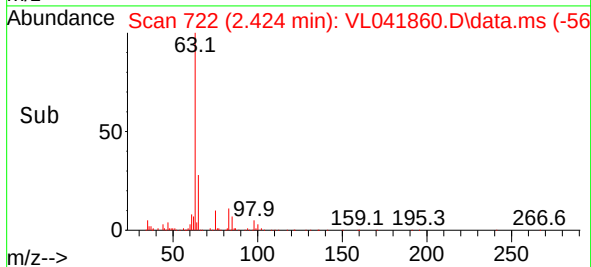
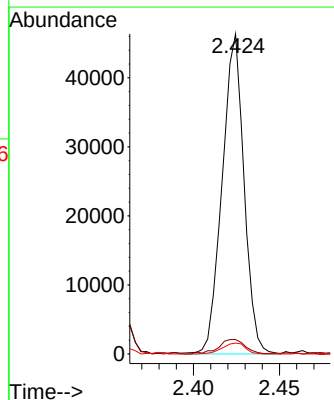
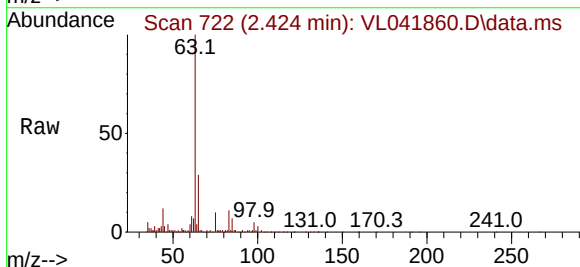
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

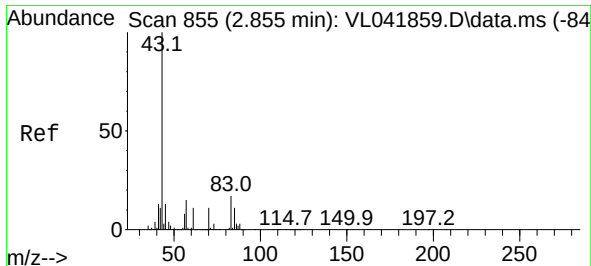
Tgt Ion: 43	Resp: 30926
Ion Ratio	Lower Upper
43	100
86	8.7 7.8 11.6
42	9.9 7.0 10.4
44	6.2 3.4 5.2



#24
 1,1-Dichloroethane
 Concen: 2.211 ppbv
 RT: 2.424 min Scan# 722
 Delta R.T. -0.000 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

Tgt Ion: 63	Resp: 40950
Ion Ratio	Lower Upper
63	100
98	4.3 2.3 6.9
100	3.4 1.3 3.8



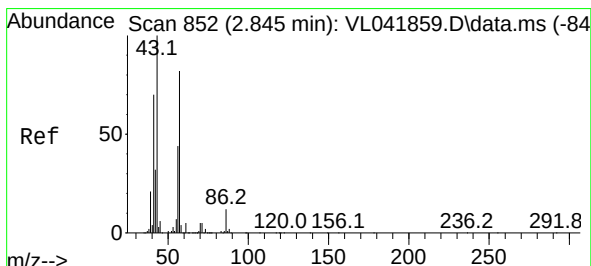
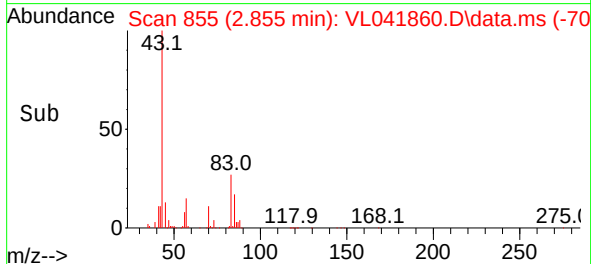
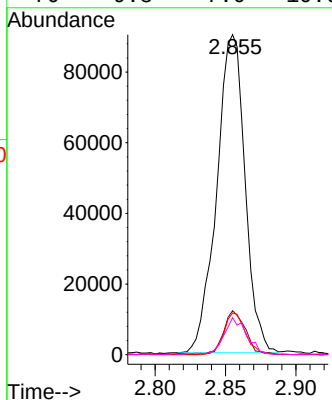
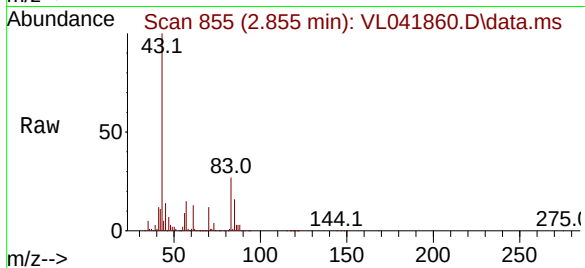


#25
Ethyl Acetate
Concen: 2.807 ppbv
RT: 2.855 min Scan# 855
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 126167

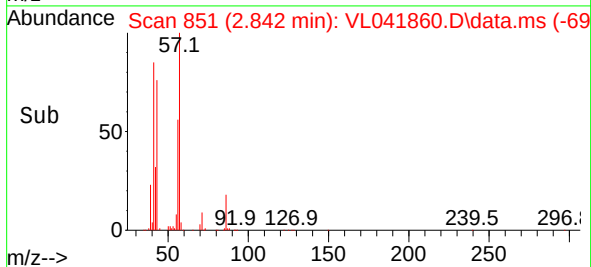
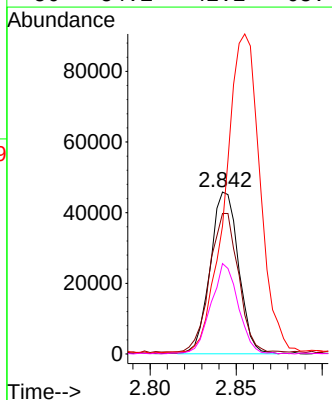
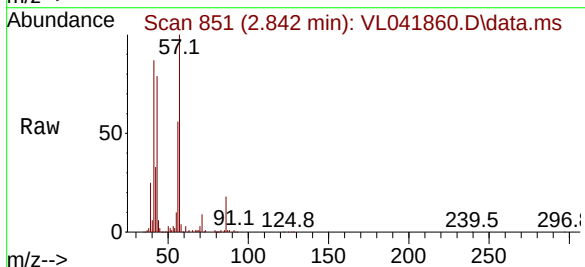
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	10.1	7.3	10.9
70	9.8	7.0	10.6

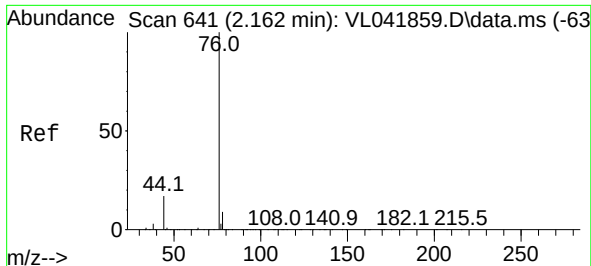


#26
Hexane
Concen: 3.352 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 57 Resp: 52287

Ion	Ratio	Lower	Upper
57	100		
41	91.7	71.5	107.3
43	247.6	200.2	300.4
56	54.1	42.2	63.4

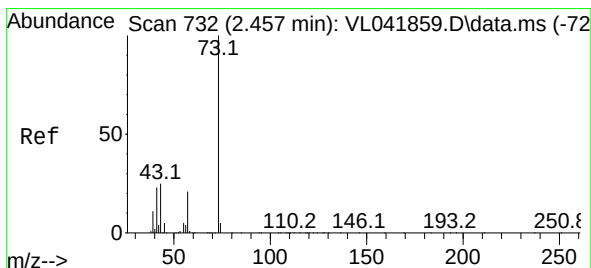
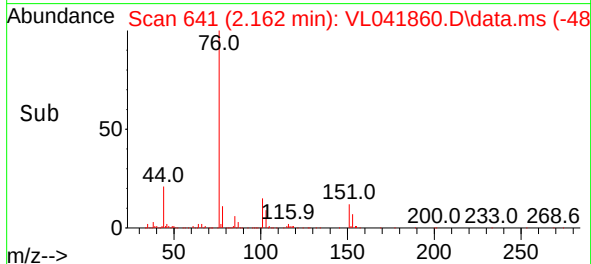
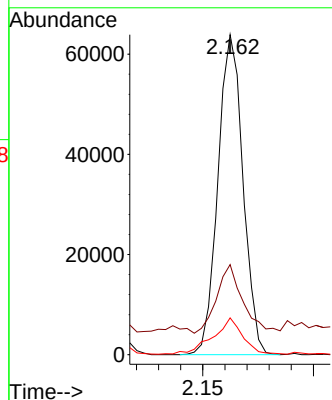
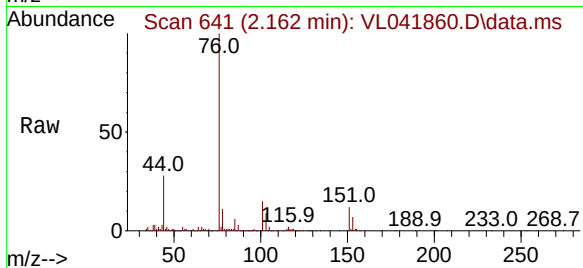




#27
Carbon Disulfide
Concen: 3.401 ppbv
RT: 2.162 min Scan# 641
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

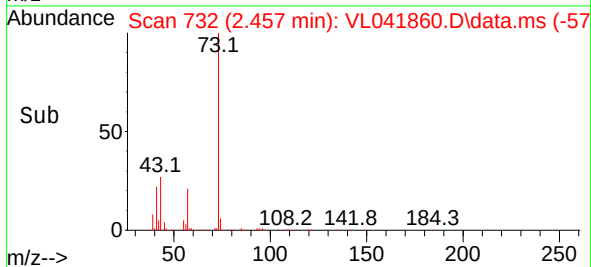
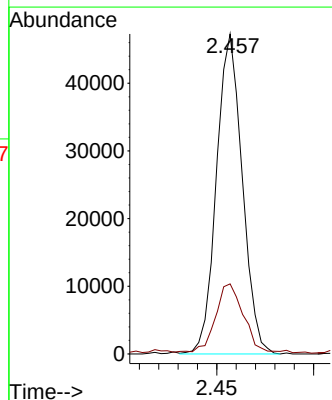
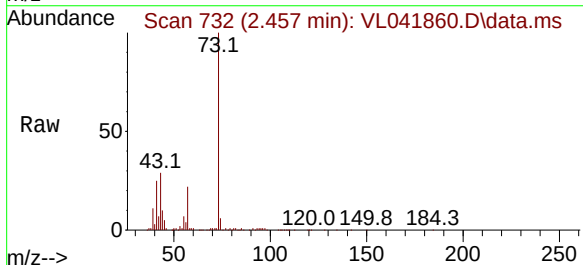
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

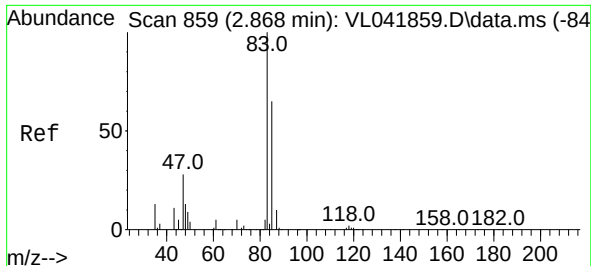
Tgt Ion: 76 Resp: 50347
Ion Ratio Lower Upper
76 100
44 46.8 13.1 19.7#
78 13.6 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 3.724 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 73 Resp: 43777
Ion Ratio Lower Upper
73 100
57 24.7 17.5 26.3





#29

Chloroform

Concen: 2.583 ppbv

RT: 2.865 min Scan# 859

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

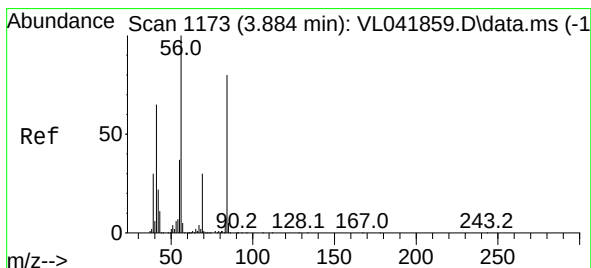
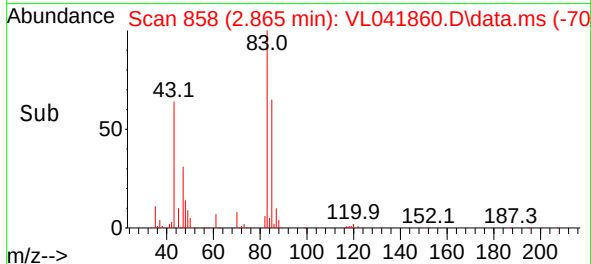
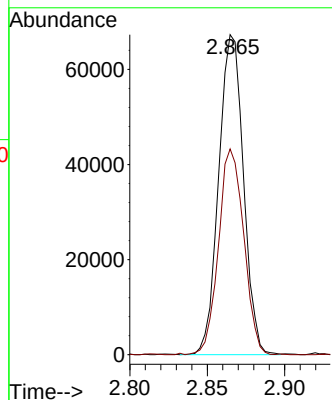
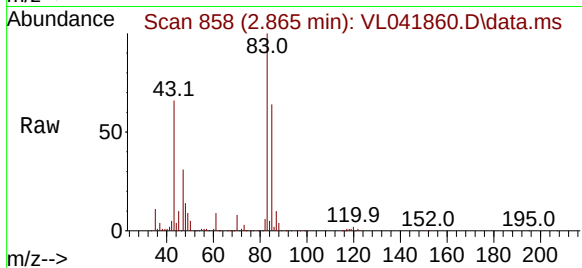
VSTDIC002

Tgt Ion: 83 Resp: 74846

Ion Ratio Lower Upper

83 100

85 64.1 51.7 77.5



#30

Cyclohexane

Concen: 3.935 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. -0.007 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

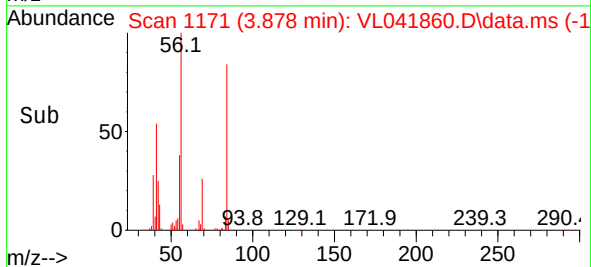
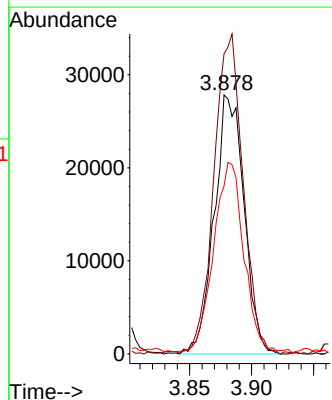
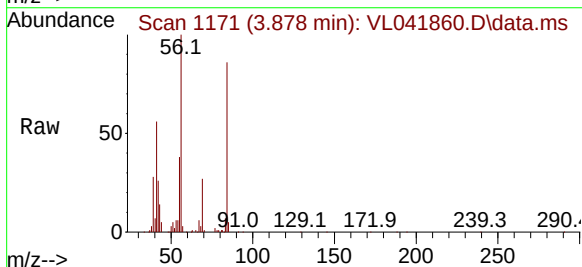
Tgt Ion: 84 Resp: 46542

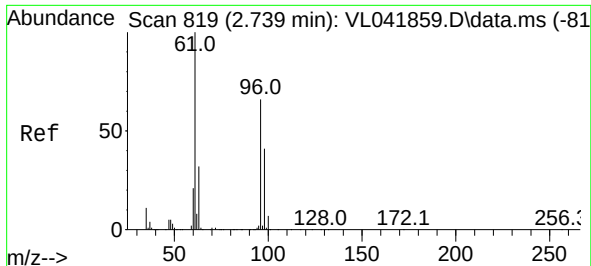
Ion Ratio Lower Upper

84 100

56 121.6 100.7 151.1

41 73.1 62.8 94.2





#31

cis-1,2-Dichloroethene

Concen: 3.120 ppbv

RT: 2.738 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

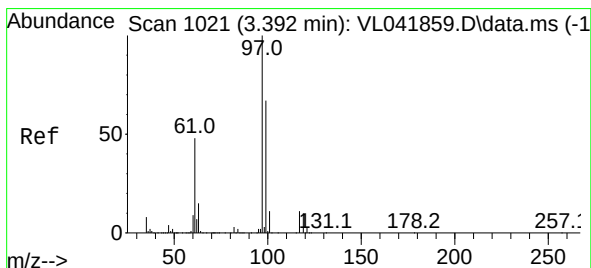
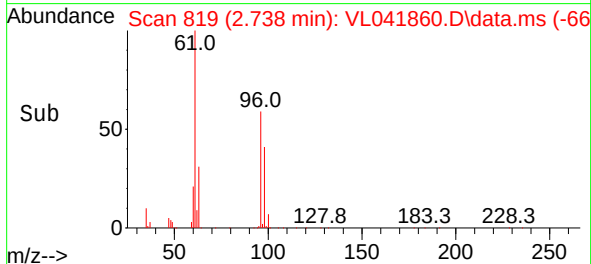
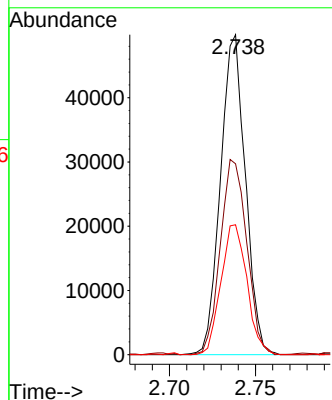
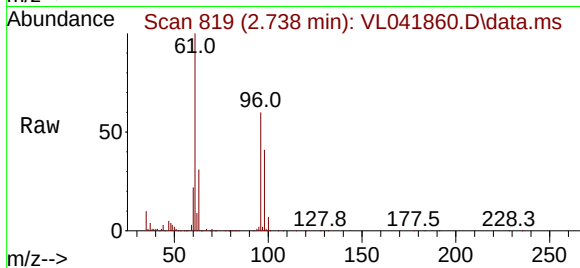
Tgt Ion: 61 Resp: 50096

Ion Ratio Lower Upper

61 100

96 59.6 53.2 79.8

98 40.6 32.5 48.7



#32

1,1,1-Trichloroethane

Concen: 2.750 ppbv

RT: 3.389 min Scan# 1020

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

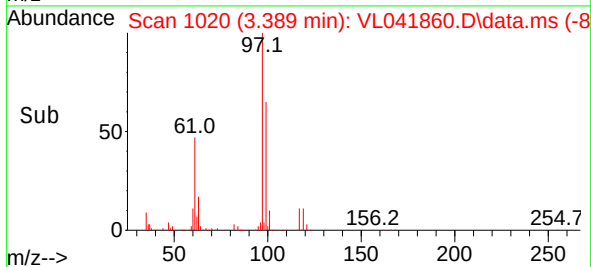
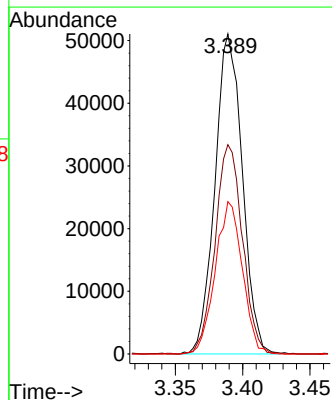
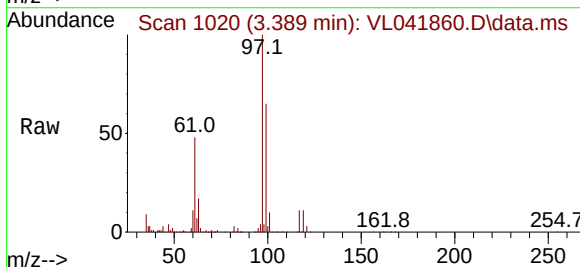
Tgt Ion: 97 Resp: 72210

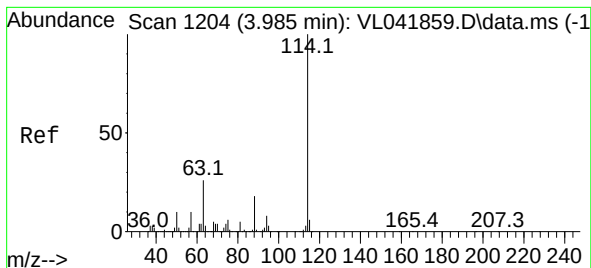
Ion Ratio Lower Upper

97 100

99 65.3 52.0 78.0

61 47.2 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

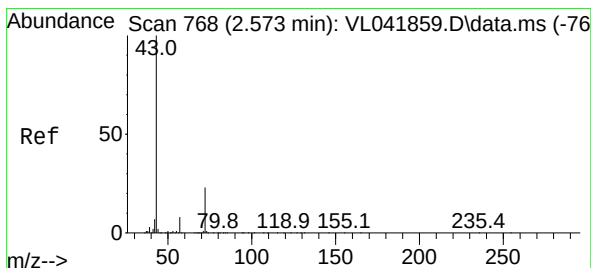
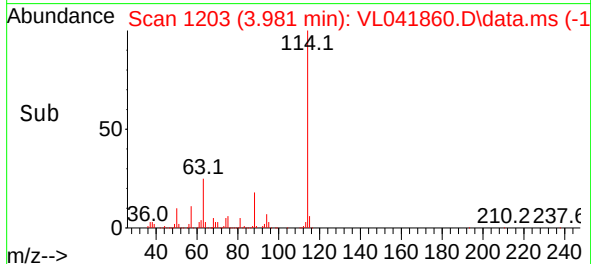
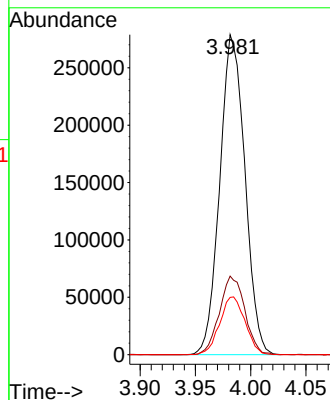
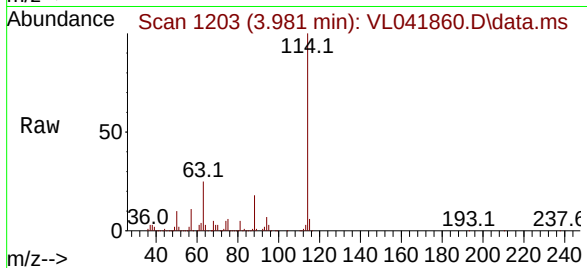
Tgt Ion:114 Resp: 440592

Ion Ratio Lower Upper

114 100

63 24.8 20.3 30.5

88 18.3 14.6 21.8



#34

2-Butanone

Concen: 2.267 ppbv

RT: 2.573 min Scan# 768

Delta R.T. -0.000 min

Lab File: VL041860.D

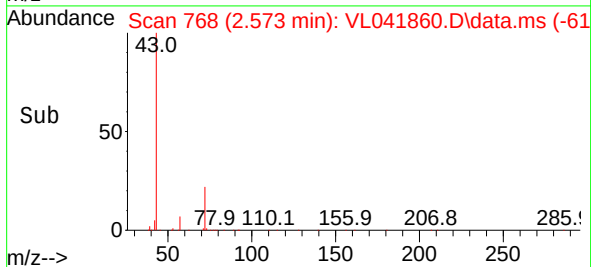
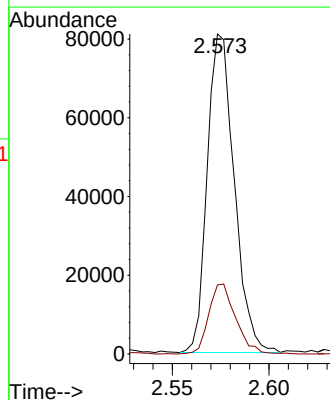
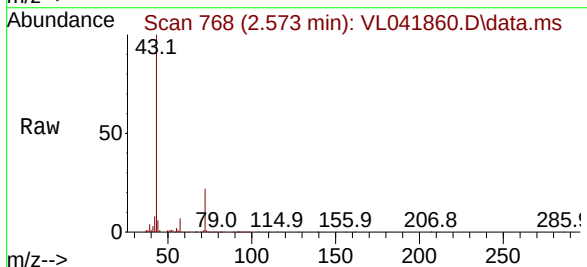
Acq: 09 Jan 2025 11:52

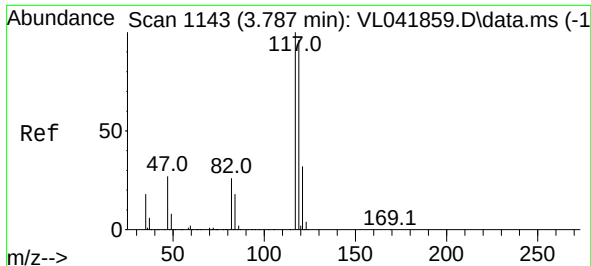
Tgt Ion: 43 Resp: 78681

Ion Ratio Lower Upper

43 100

72 21.9 18.5 27.7

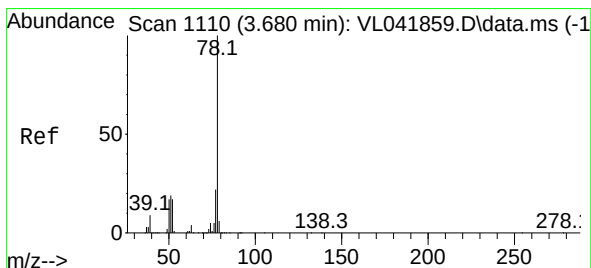
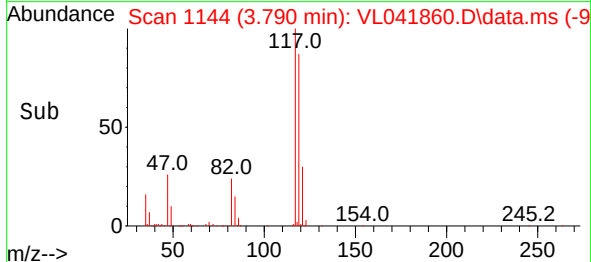
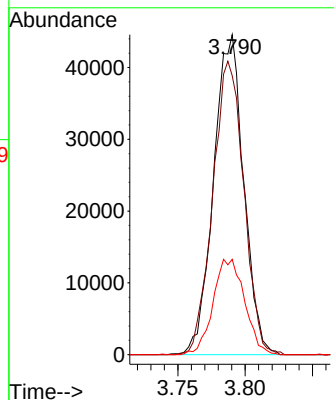
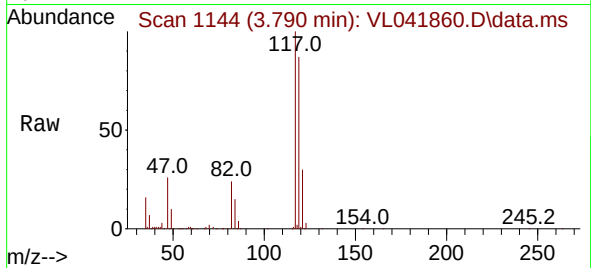




#35
Carbon Tetrachloride
Concen: 2.079 ppbv
RT: 3.790 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

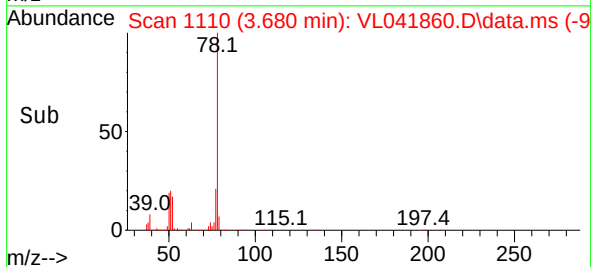
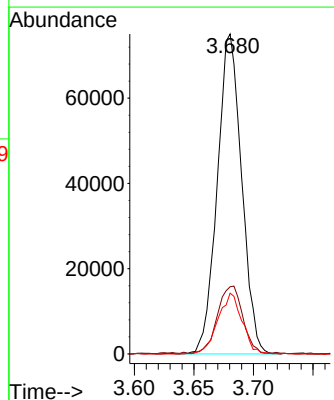
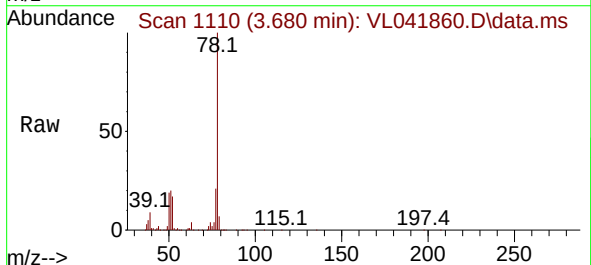
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

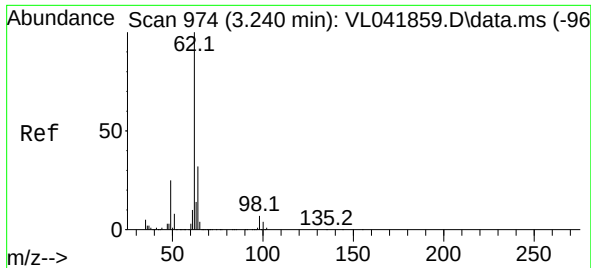
Tgt Ion:117 Resp: 69223
Ion Ratio Lower Upper
117 100
119 86.8 76.9 115.3
121 29.8 25.9 38.9



#36
Benzene
Concen: 2.534 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 78 Resp: 106654
Ion Ratio Lower Upper
78 100
77 20.8 17.9 26.9
50 19.0 13.7 20.5





#37

1,2-Dichloroethane

Concen: 1.980 ppbv

RT: 3.240 min Scan# 91

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

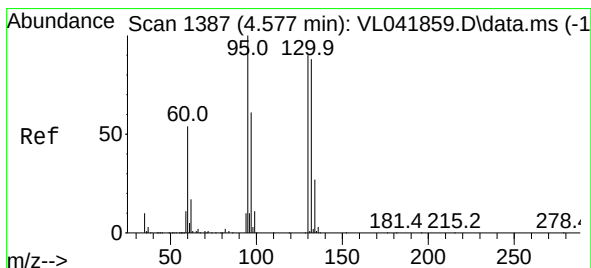
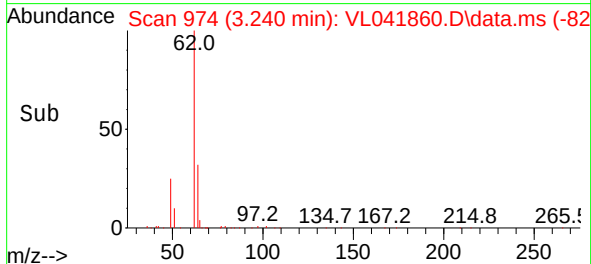
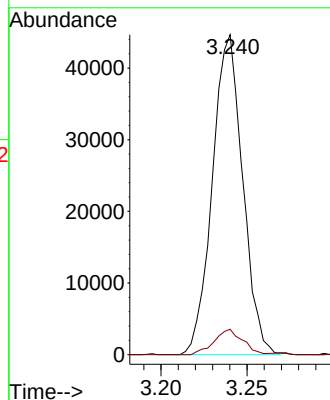
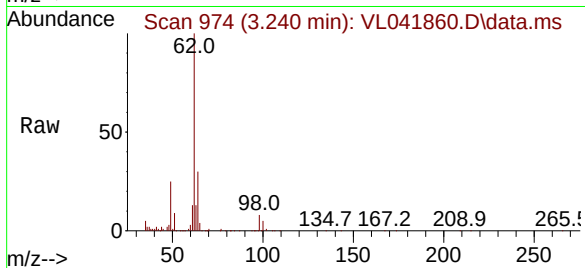
VSTDIC002

Tgt Ion: 62 Resp: 54776

Ion Ratio Lower Upper

62 100

98 7.8 5.6 8.4



#38

Trichloroethene

Concen: 2.559 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion:130 Resp: 41427

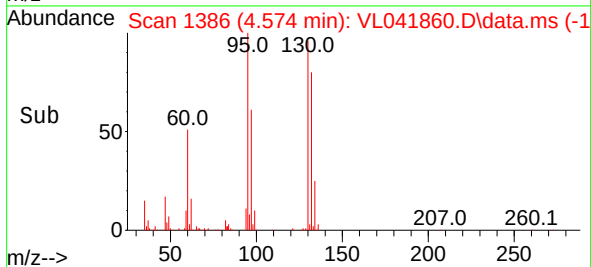
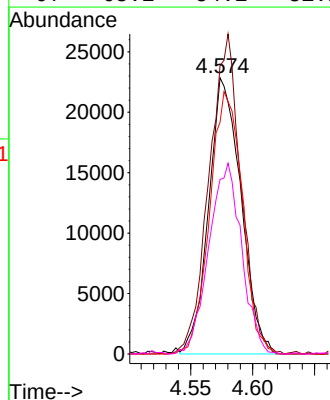
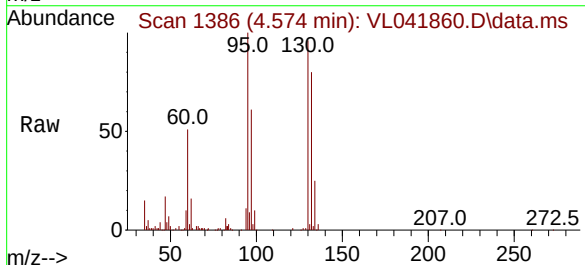
Ion Ratio Lower Upper

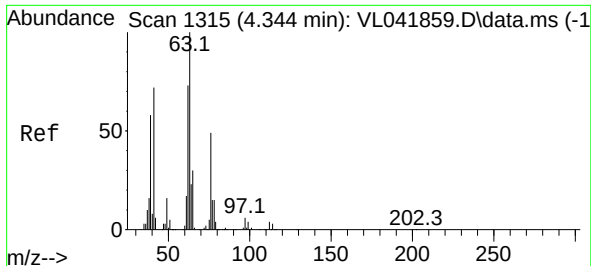
130 100

95 103.4 88.5 132.7

132 83.9 78.2 117.2

97 63.2 54.2 81.2





#39

1,2-Dichloropropane

Concen: 1.293 ppbv

RT: 4.341 min Scan# 1403

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

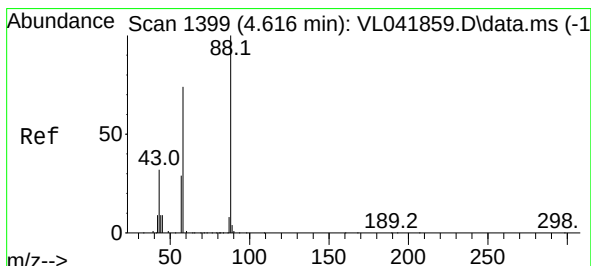
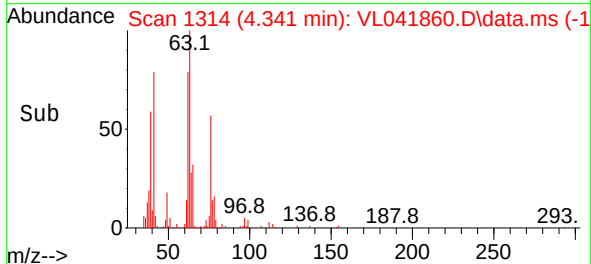
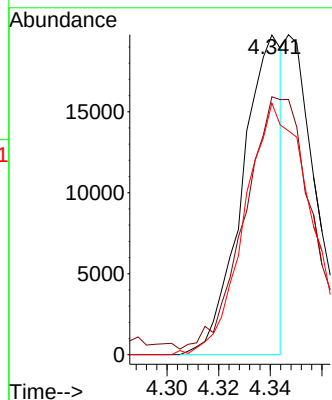
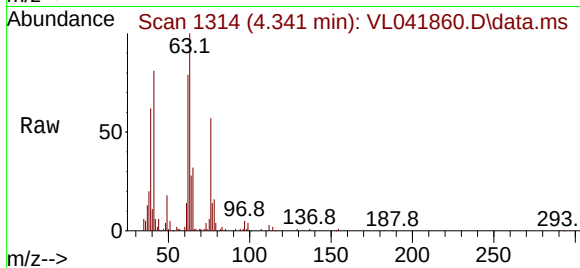
Tgt Ion: 63 Resp: 21050

Ion Ratio Lower Upper

63 100

41 79.0 58.0 87.0

62 77.4 58.6 87.8



#40

1,4-Dioxane

Concen: 2.994 ppbv

RT: 4.629 min Scan# 1403

Delta R.T. 0.013 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion: 88 Resp: 18864

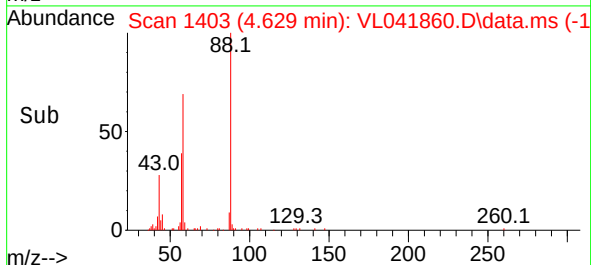
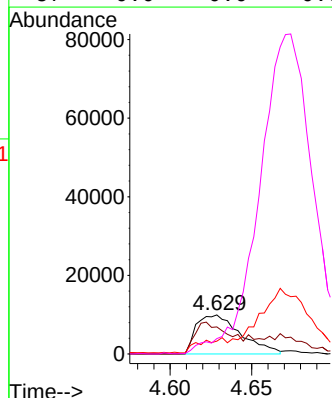
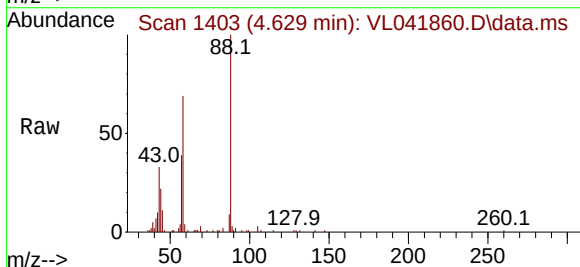
Ion Ratio Lower Upper

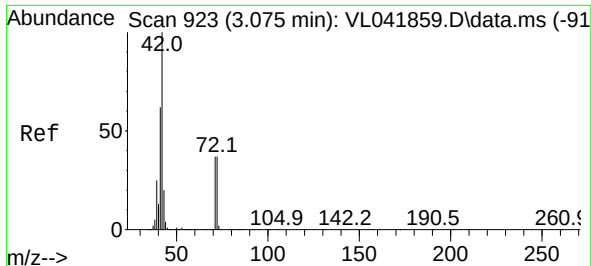
88 100

58 88.3 52.2 78.4#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

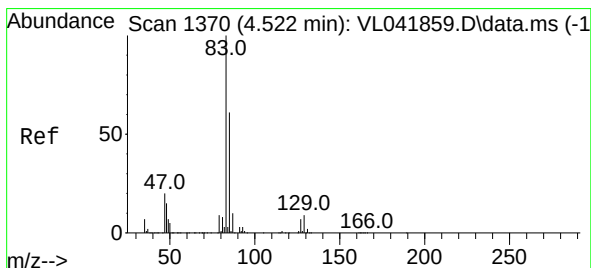
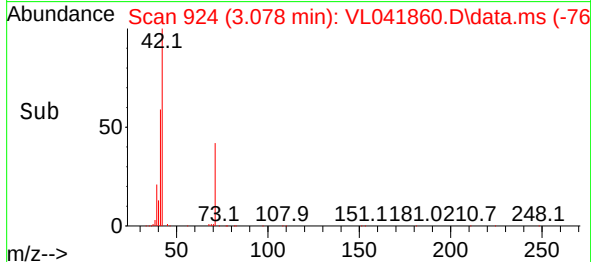
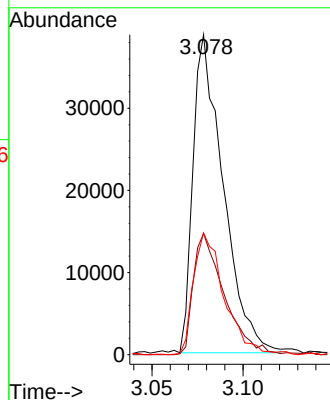
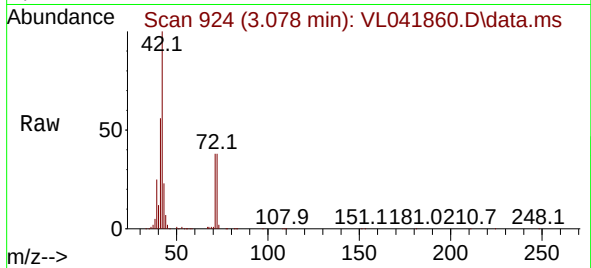




#41
Tetrahydrofuran
Concen: 2.726 ppbv
RT: 3.078 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

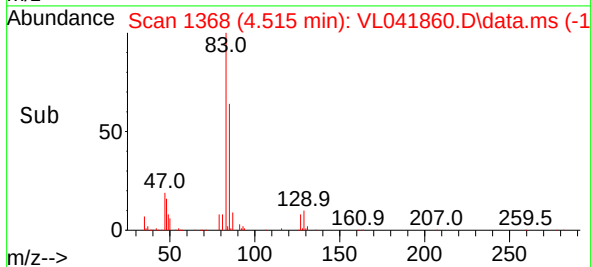
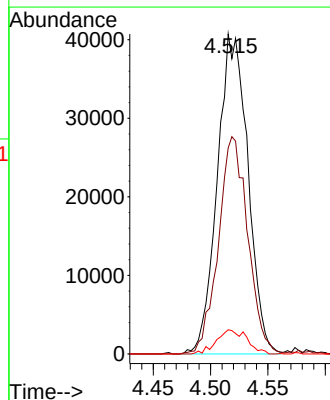
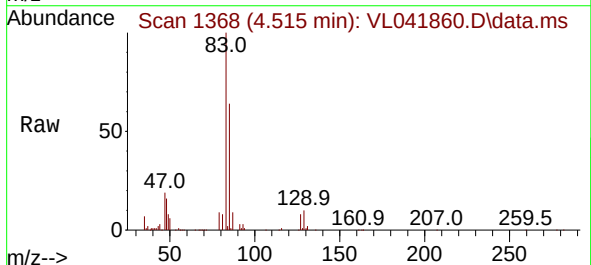
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

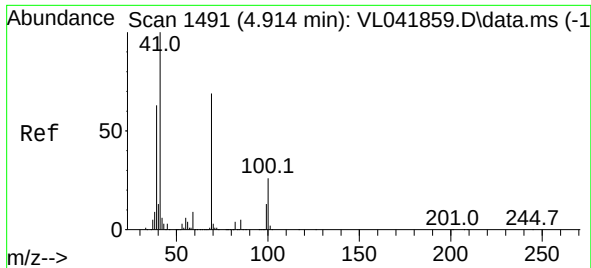
Tgt Ion: 42 Resp: 44570
Ion Ratio Lower Upper
42 100
72 39.5 30.8 46.2
71 39.7 30.1 45.1



#42
Bromodichloromethane
Concen: 2.324 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.007 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 83 Resp: 75424
Ion Ratio Lower Upper
83 100
85 64.4 48.9 73.3
127 7.5 5.4 8.2





#43

Methyl Methacrylate

Concen: 1.481 ppbv

RT: 4.910 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

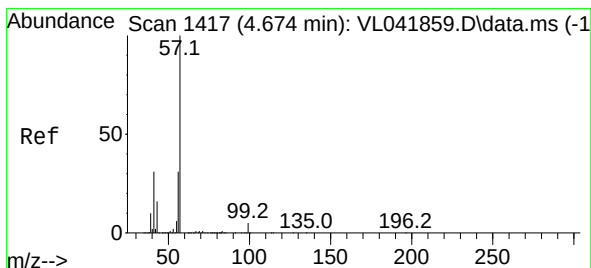
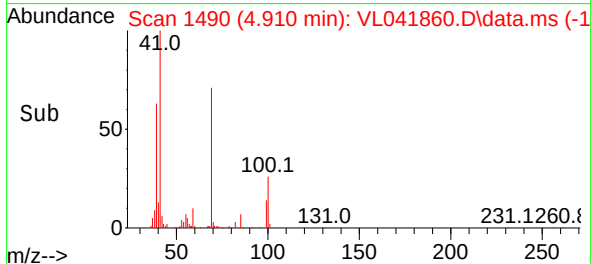
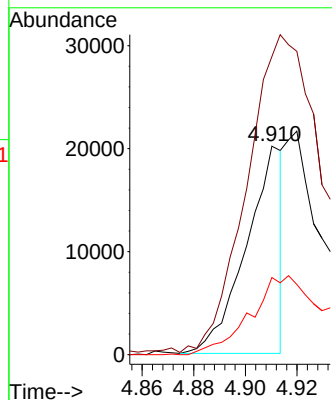
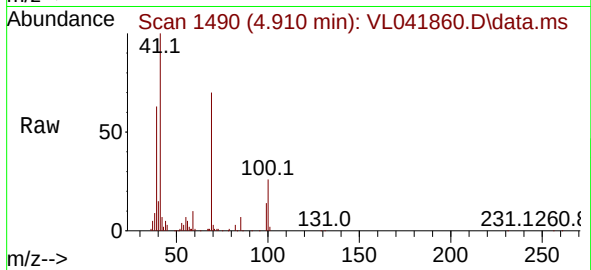
Tgt Ion: 69 Resp: 19569

Ion Ratio Lower Upper

69 100

41 324.0 116.2 174.4#

100 77.2 29.8 44.8#



#44

2,2,4-Trimethylpentane

Concen: 2.597 ppbv

RT: 4.674 min Scan# 1417

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

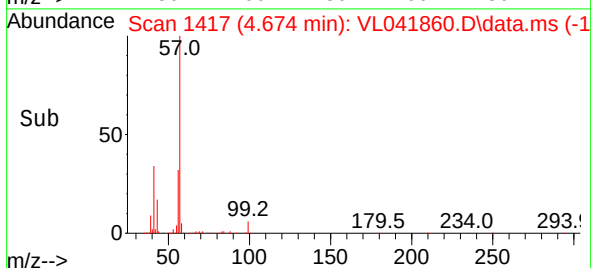
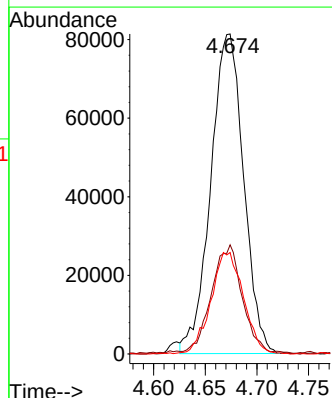
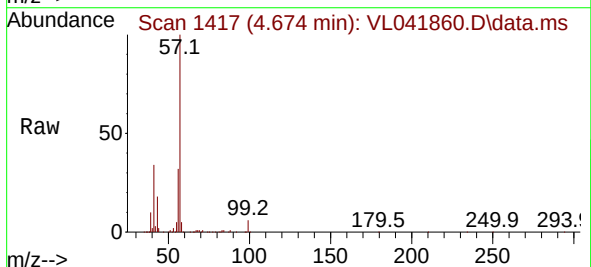
Tgt Ion: 57 Resp: 180117

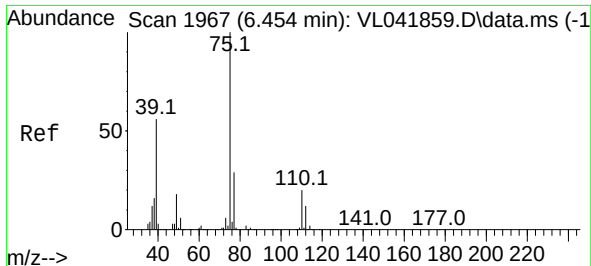
Ion Ratio Lower Upper

57 100

41 31.8 25.5 38.3

56 31.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 3.361 ppbv

RT: 6.454 min Scan# 1967

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_1

ClientSampleId :

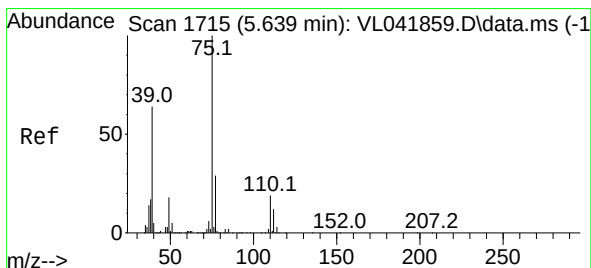
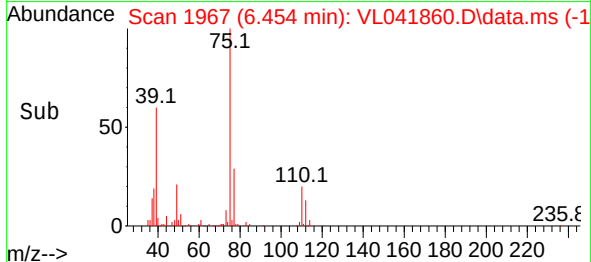
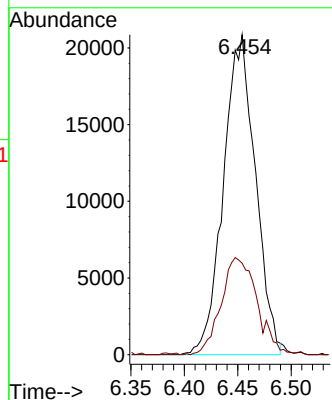
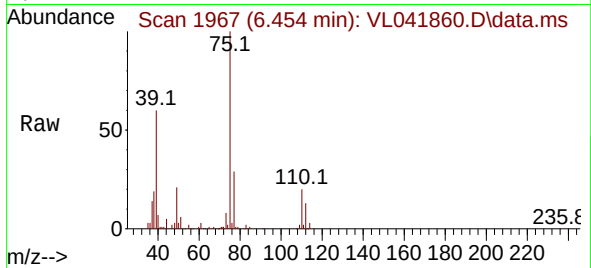
VSTDIC002

Tgt Ion: 75 Resp: 43372

Ion Ratio Lower Upper

75 100

77 28.6 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 3.240 ppbv

RT: 5.635 min Scan# 1714

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

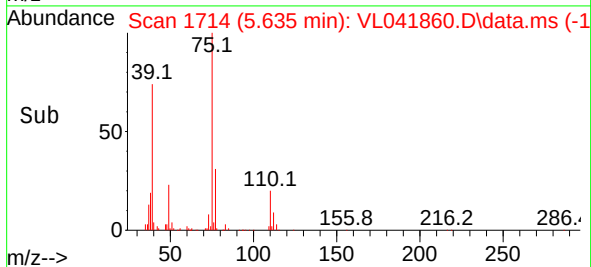
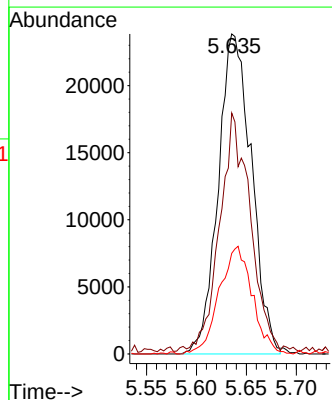
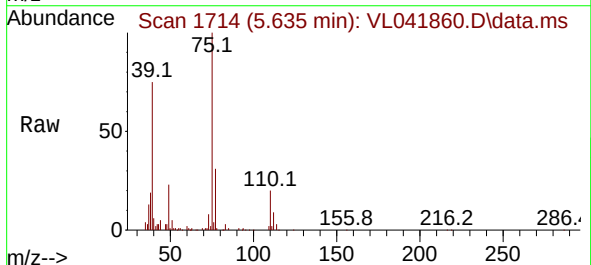
Tgt Ion: 75 Resp: 55051

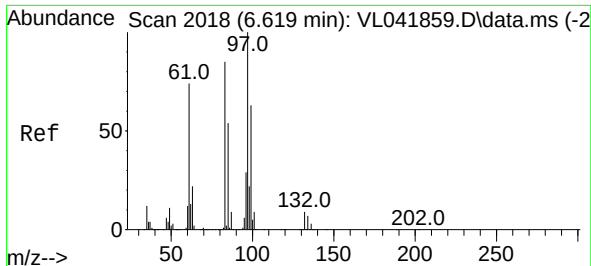
Ion Ratio Lower Upper

75 100

39 74.3 51.4 77.2

77 31.5 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 1.234 ppbv

RT: 6.616 min Scan# 2018

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 21227

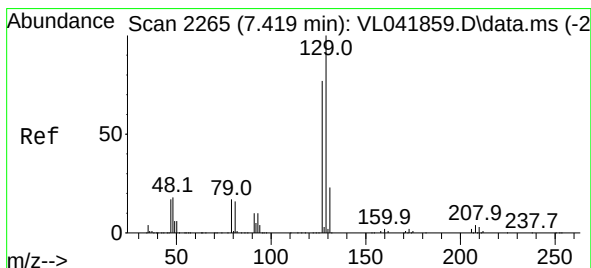
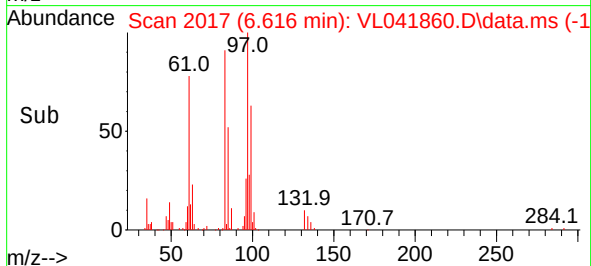
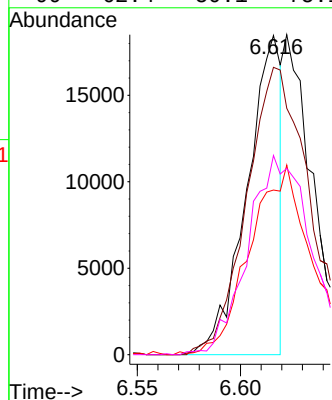
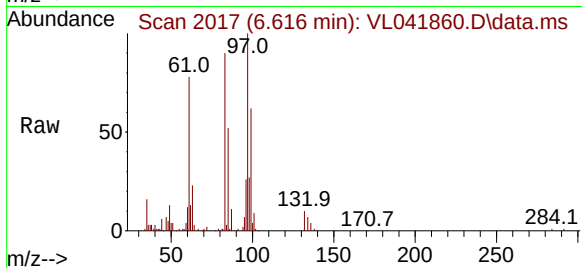
Ion Ratio Lower Upper

97 100

83 90.0 68.1 102.1

85 50.7 43.4 65.2

99 62.4 50.1 75.1



#48

Dibromochloromethane

Concen: 2.797 ppbv

RT: 7.419 min Scan# 2265

Delta R.T. -0.000 min

Lab File: VL041860.D

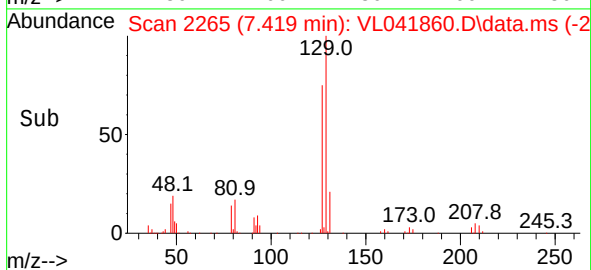
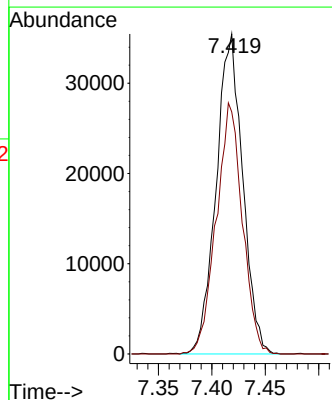
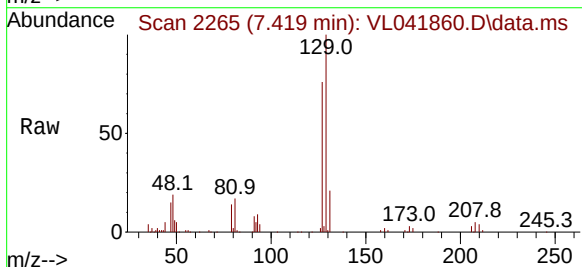
Acq: 09 Jan 2025 11:52

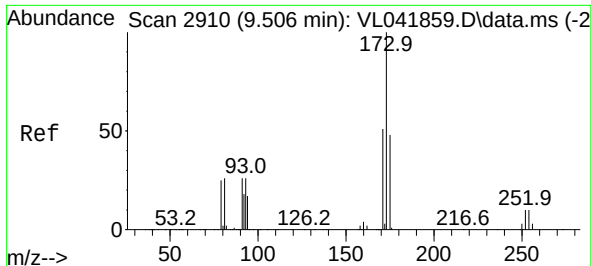
Tgt Ion: 129 Resp: 61313

Ion Ratio Lower Upper

129 100

127 77.1 39.4 118.1

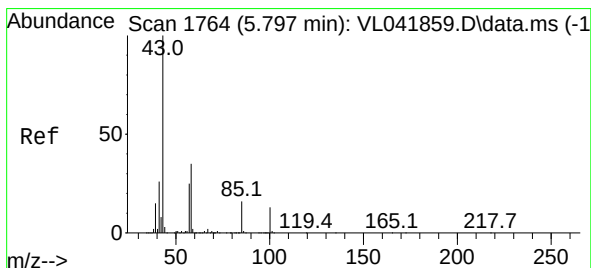
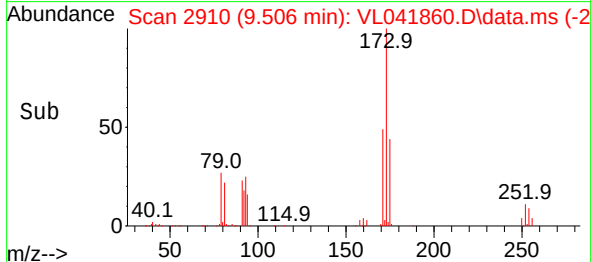
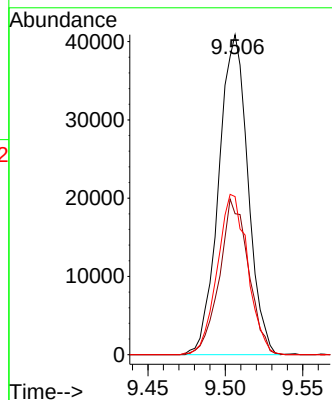
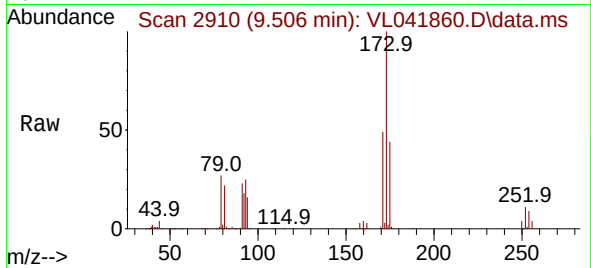




#49
Bromoform
Concen: 3.059 ppbv
RT: 9.506 min Scan# 2910
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

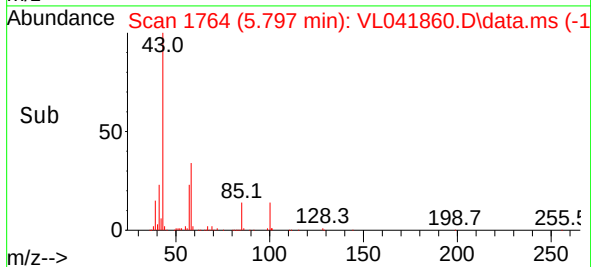
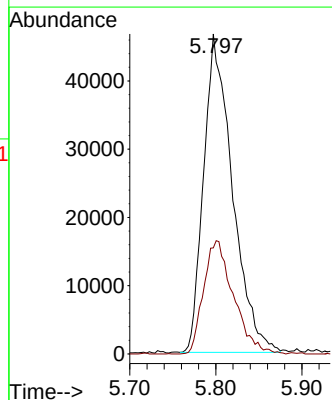
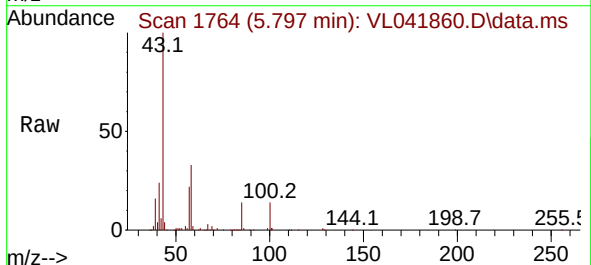
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

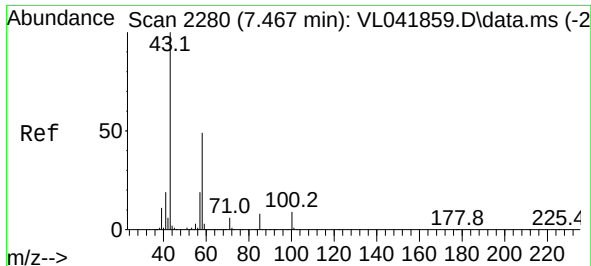
Tgt Ion:173 Resp: 53734
Ion Ratio Lower Upper
173 100
175 48.1 38.2 57.2
171 52.0 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 2.696 ppbv
RT: 5.797 min Scan# 1764
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 43 Resp: 108191
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2

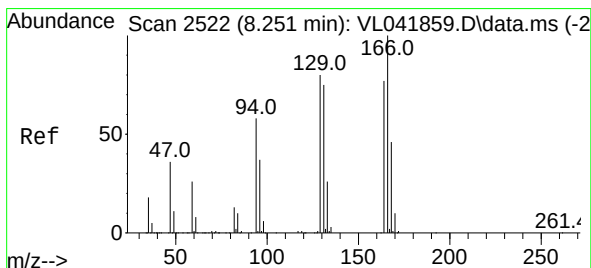
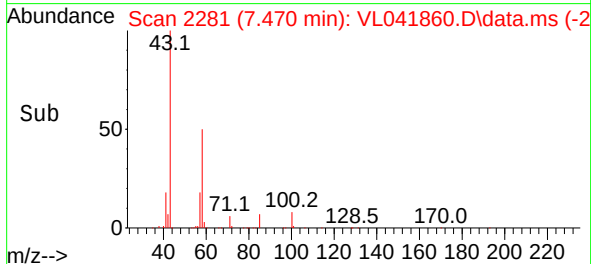
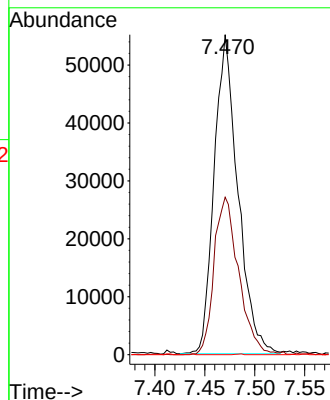
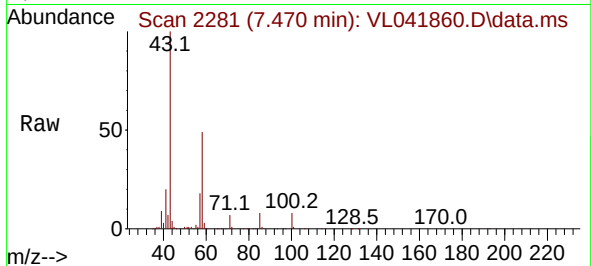




#51
2-Hexanone
Concen: 2.991 ppbv
RT: 7.470 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

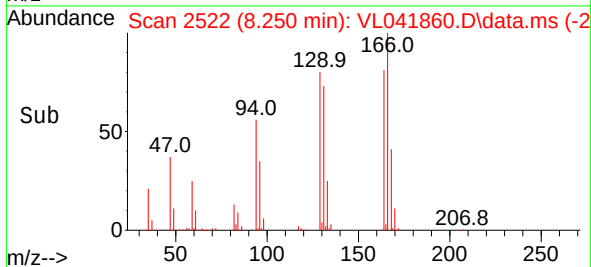
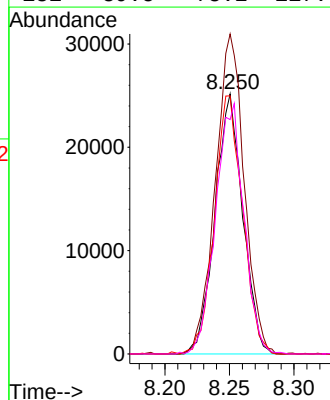
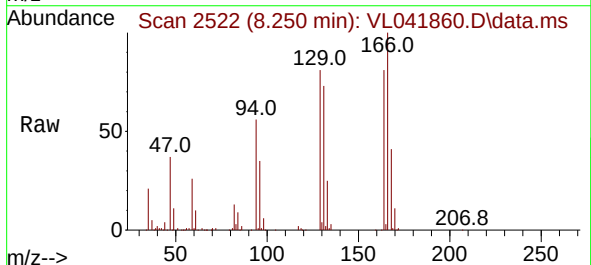
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

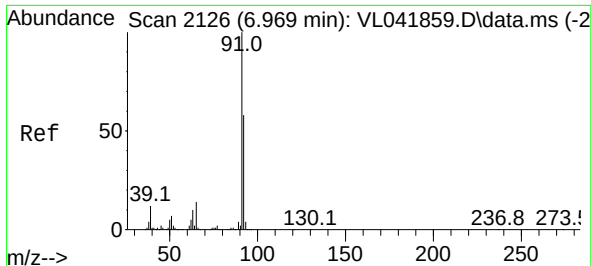
Tgt Ion: 43 Resp: 90844
Ion Ratio Lower Upper
43 100
58 51.4 40.0 60.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 3.021 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion: 164 Resp: 37701
Ion Ratio Lower Upper
164 100
166 123.0 103.6 155.4
129 99.2 82.6 123.8
131 89.5 78.2 117.4





#53

Toluene

Concen: 3.345 ppbv

RT: 6.969 min Scan# 2126

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

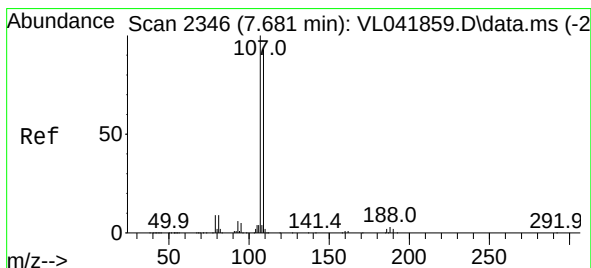
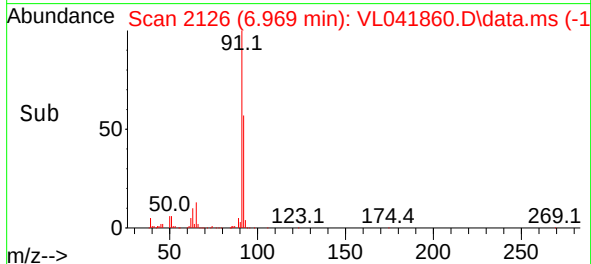
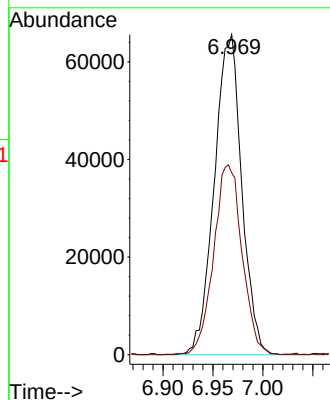
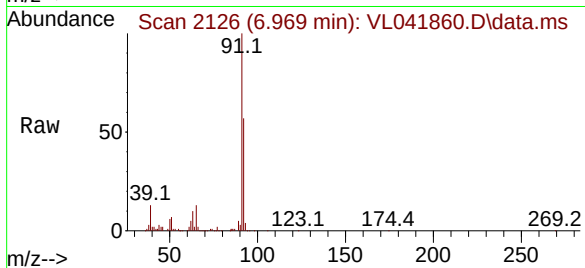
VSTDIC002

Tgt Ion: 91 Resp: 125295

Ion Ratio Lower Upper

91 100

92 61.4 47.2 70.8



#54

1,2-Dibromoethane

Concen: 2.587 ppbv

RT: 7.681 min Scan# 2346

Delta R.T. -0.000 min

Lab File: VL041860.D

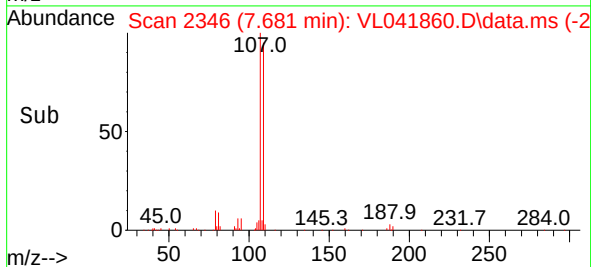
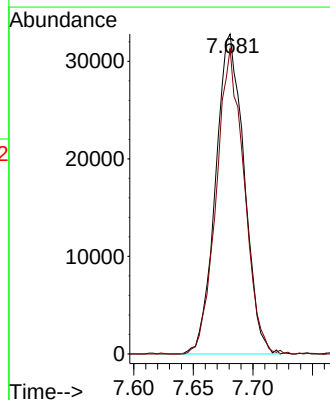
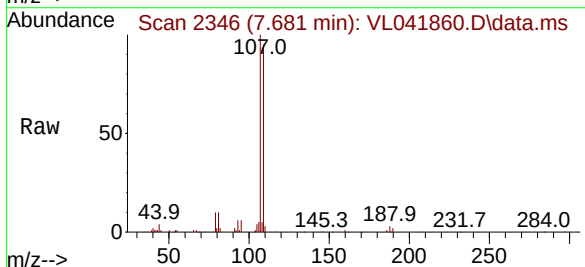
Acq: 09 Jan 2025 11:52

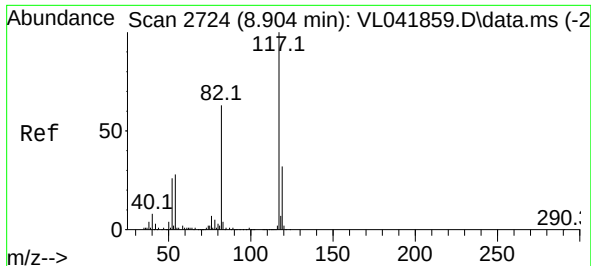
Tgt Ion: 107 Resp: 54562

Ion Ratio Lower Upper

107 100

109 95.4 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

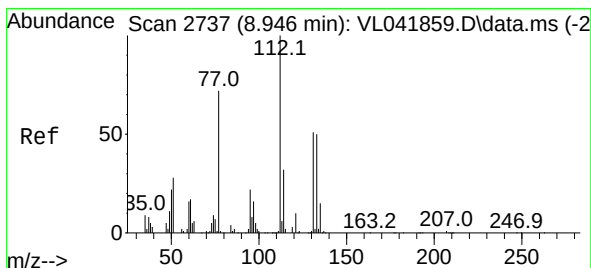
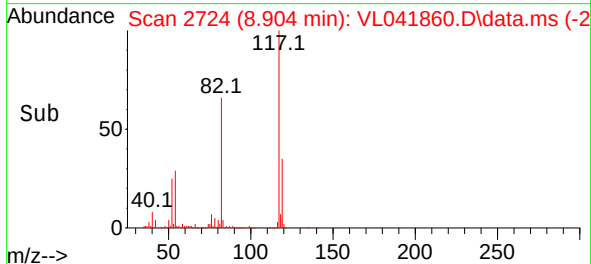
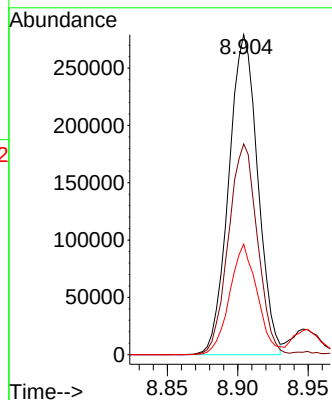
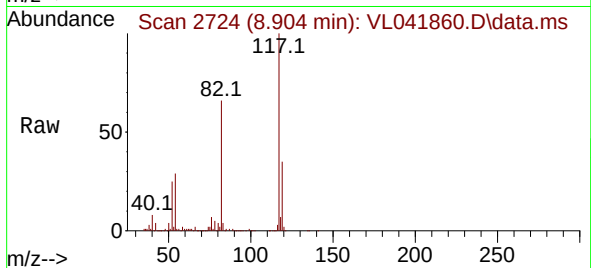
Tgt Ion:117 Resp: 401428

Ion Ratio Lower Upper

117 100

82 66.5 54.5 81.7

119 32.9 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 2.240 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

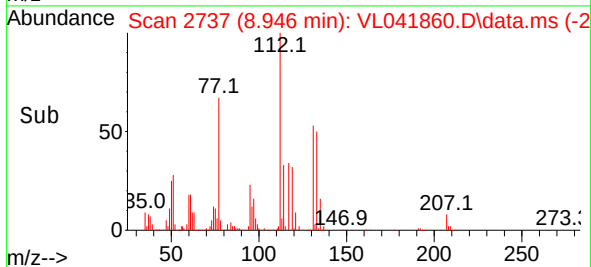
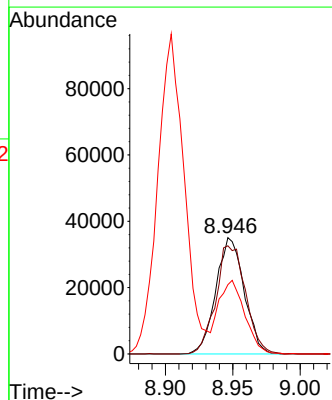
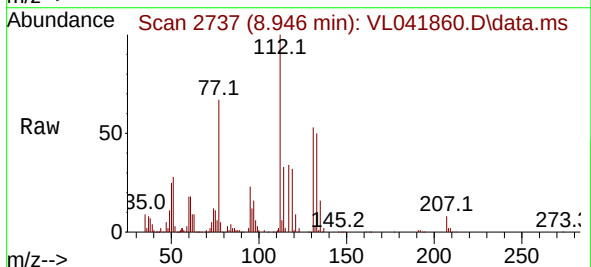
Tgt Ion:131 Resp: 51252

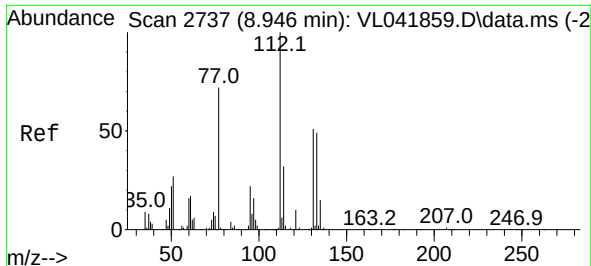
Ion Ratio Lower Upper

131 100

133 98.3 77.4 116.2

119 58.6 49.4 74.0





#57

Chlorobenzene

Concen: 2.242 ppbv

RT: 8.946 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

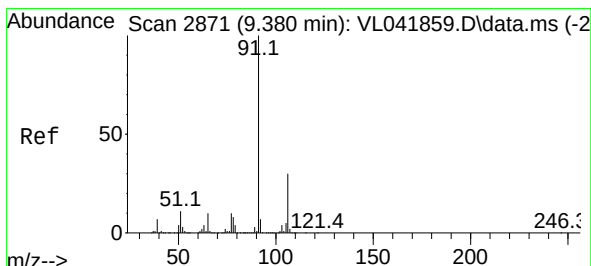
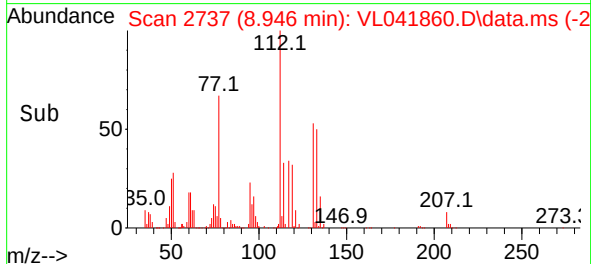
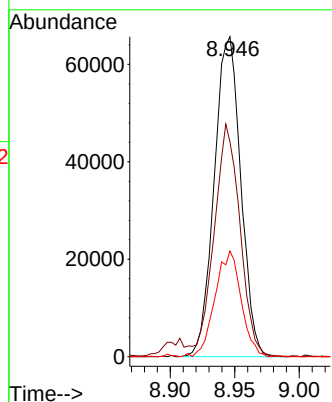
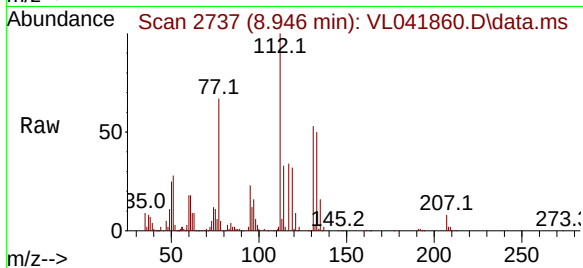
Tgt Ion:112 Resp: 94006

Ion Ratio Lower Upper

112 100

77 67.0 58.3 87.5

114 33.0 28.9 35.3



#58

Ethyl Benzene

Concen: 3.250 ppbv

RT: 9.377 min Scan# 2870

Delta R.T. -0.003 min

Lab File: VL041860.D

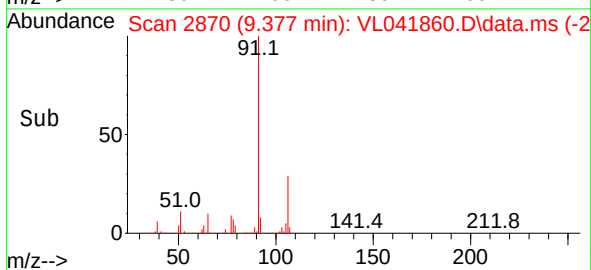
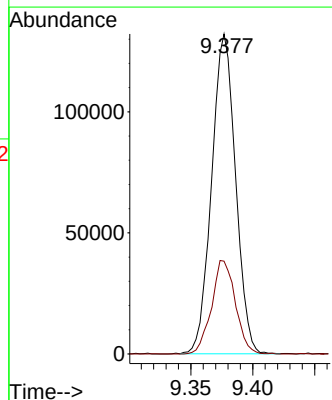
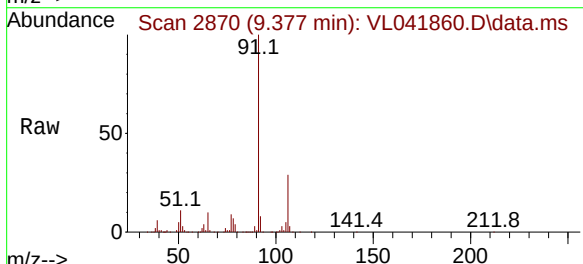
Acq: 09 Jan 2025 11:52

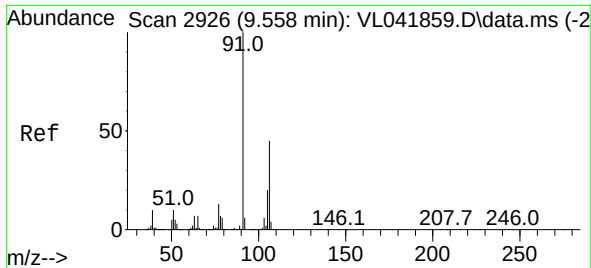
Tgt Ion: 91 Resp: 177814

Ion Ratio Lower Upper

91 100

106 29.0 24.2 36.2





#59

m/p-Xylene

Concen: 3.262 ppbv

RT: 9.552 min Scan# 2926

Delta R.T. -0.007 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

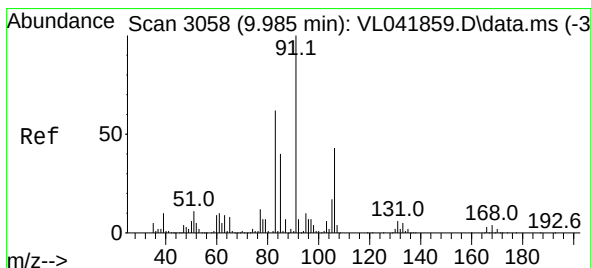
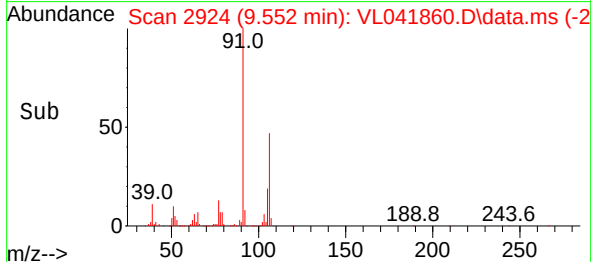
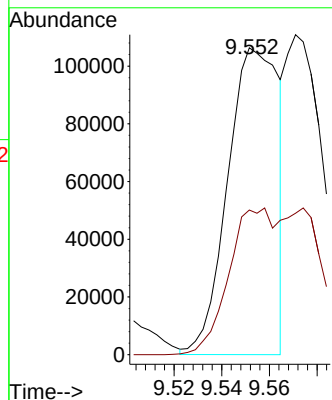
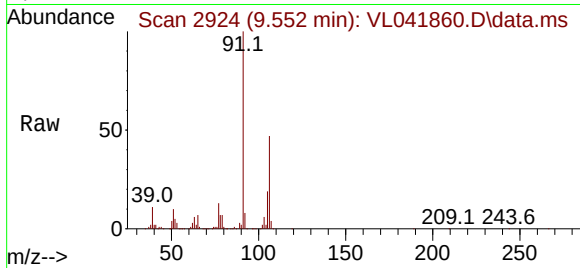
VSTDICC002

Tgt Ion: 91 Resp: 157253

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 2.953 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041860.D

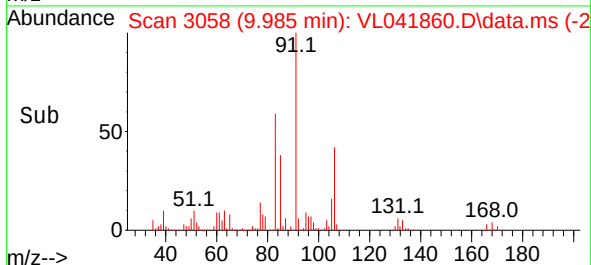
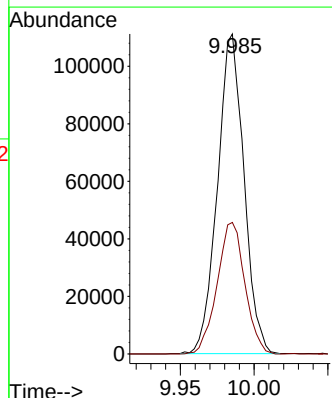
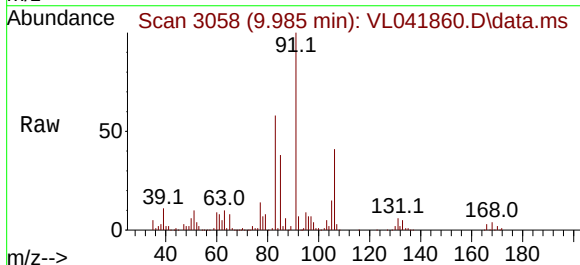
Acq: 09 Jan 2025 11:52

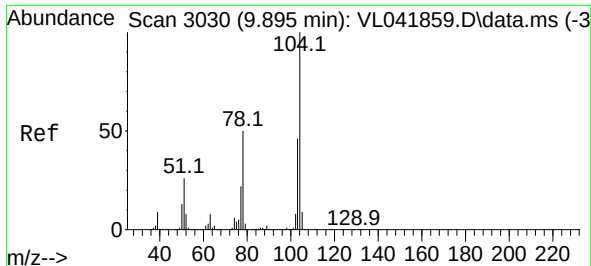
Tgt Ion: 91 Resp: 138722

Ion Ratio Lower Upper

91 100

106 43.1 21.4 64.3

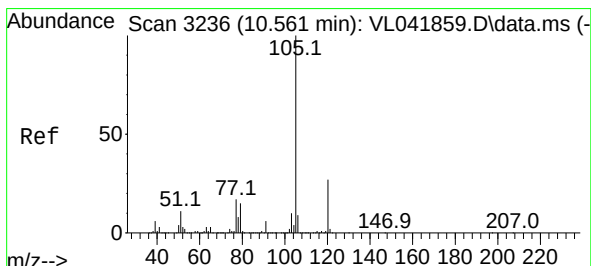
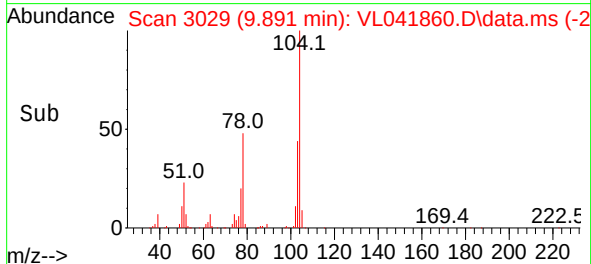
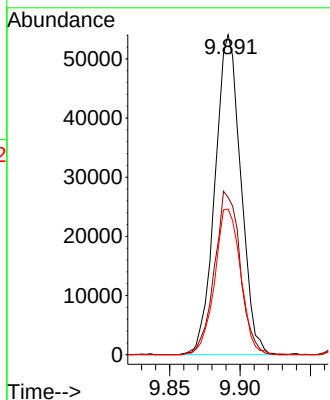
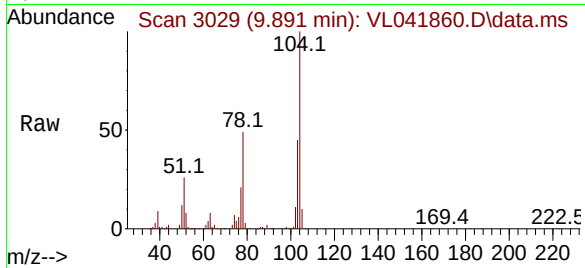




#61
Styrene
Concen: 3.779 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

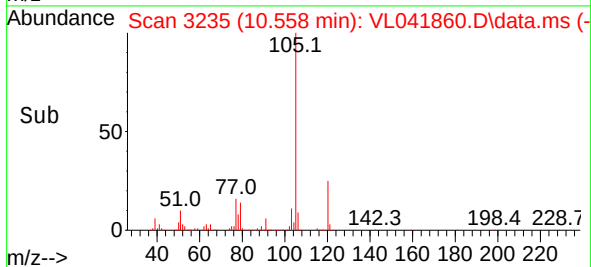
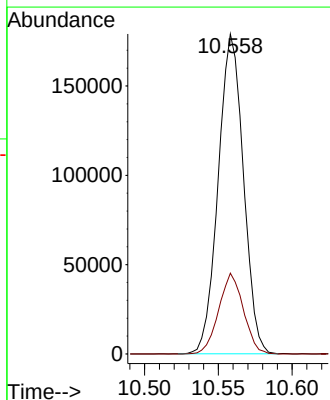
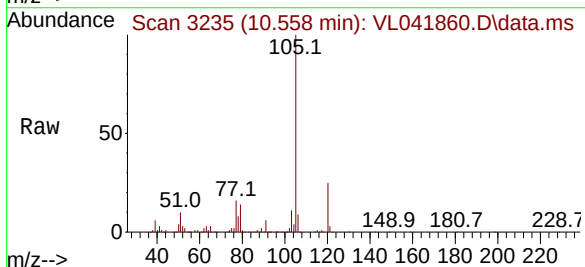
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

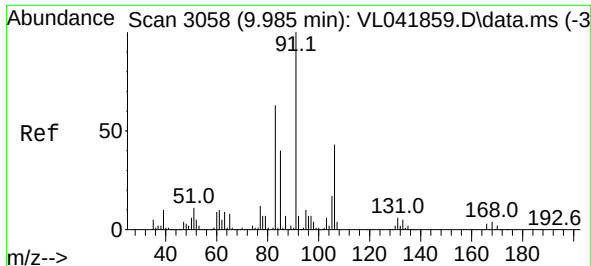
Tgt Ion:104 Resp: 68864
Ion Ratio Lower Upper
104 100
78 50.9 40.7 61.1
103 46.0 37.0 55.6



#62
Isopropylbenzene
Concen: 2.882 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 212705
Ion Ratio Lower Upper
105 100
120 24.7 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 2.012 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

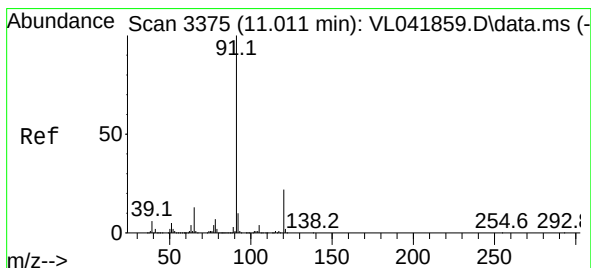
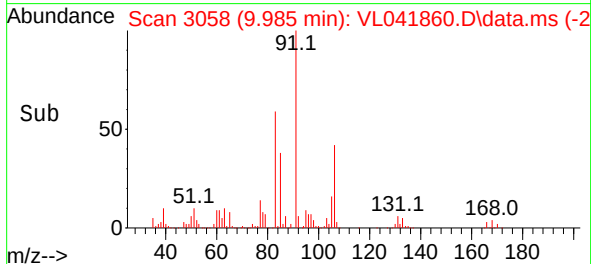
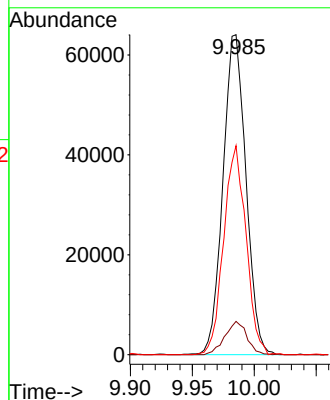
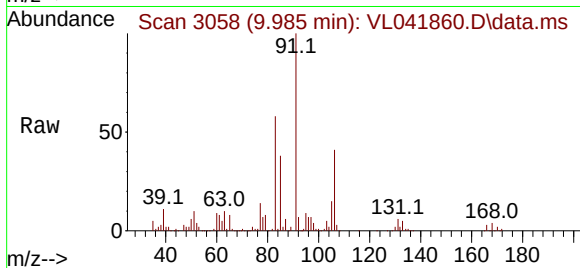
Tgt Ion: 83 Resp: 82870

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.3

85 63.5 32.1 96.3



#64

n-propylbenzene

Concen: 2.899 ppbv

RT: 11.008 min Scan# 3374

Delta R.T. -0.003 min

Lab File: VL041860.D

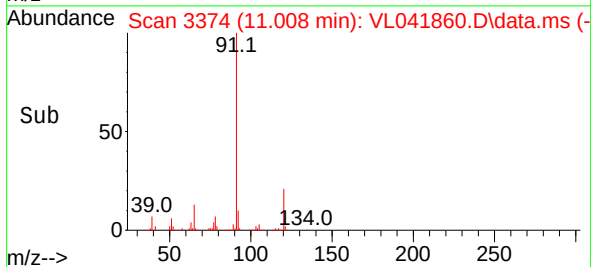
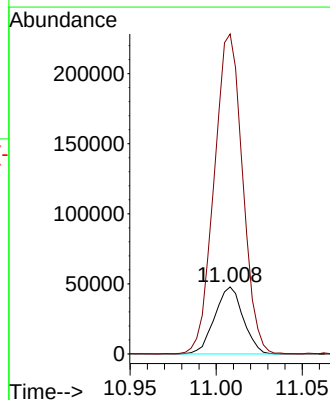
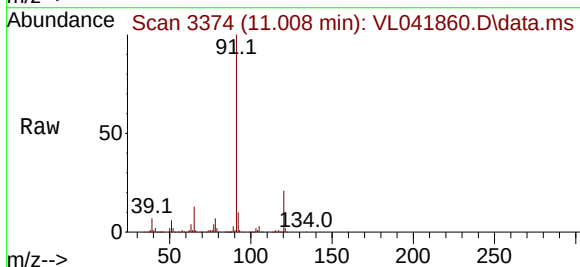
Acq: 09 Jan 2025 11:52

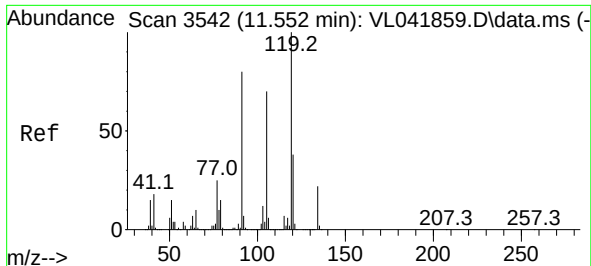
Tgt Ion:120 Resp: 54888

Ion Ratio Lower Upper

120 100

91 478.5 376.9 565.3





#65

tert-Butylbenzene

Concen: 2.957 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

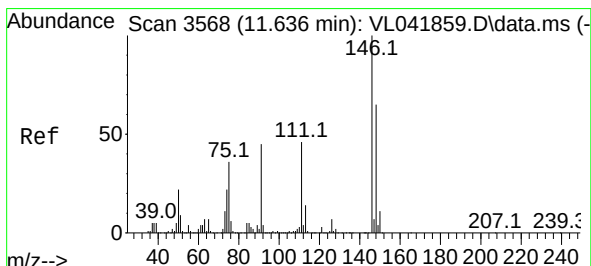
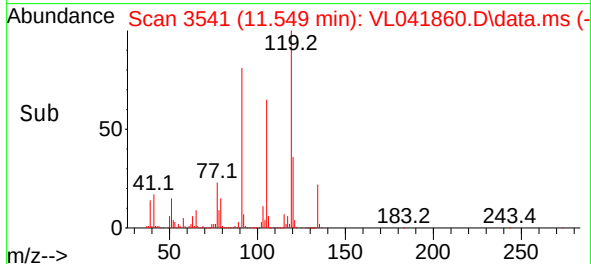
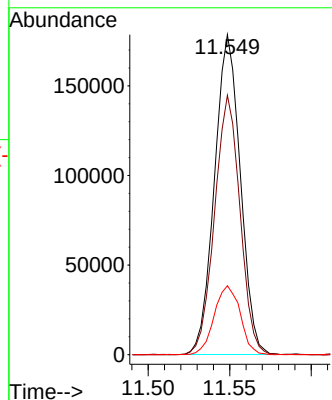
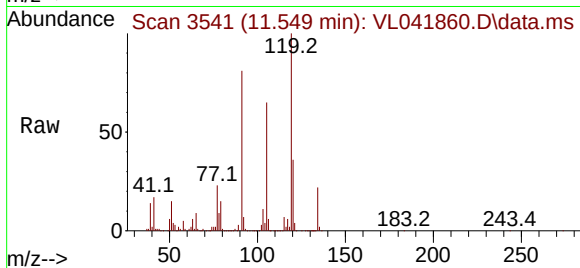
Tgt Ion:119 Resp: 196649

Ion Ratio Lower Upper

119 100

91 79.8 64.6 97.0

134 21.7 16.9 25.3



#66

Benzyl Chloride

Concen: 3.644 ppbv

RT: 11.636 min Scan# 3568

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

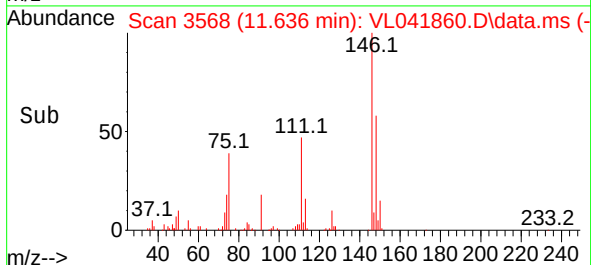
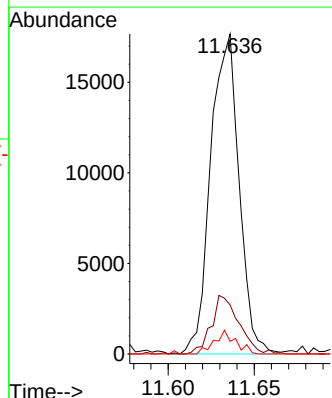
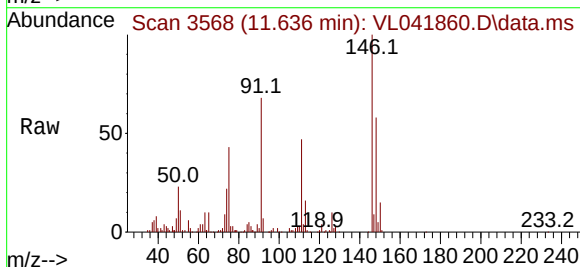
Tgt Ion: 91 Resp: 20300

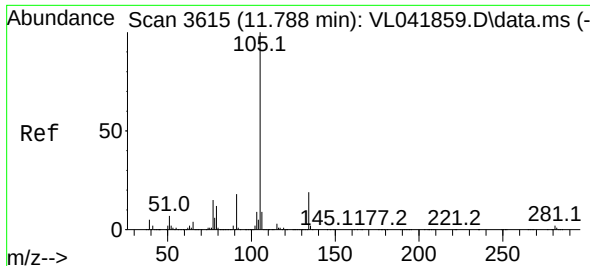
Ion Ratio Lower Upper

91 100

126 17.8 13.9 20.9

128 5.6 4.8 7.2





#67

sec-Butylbenzene

Concen: 2.787 ppbv

RT: 11.785 min Scan# 3615

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_1

ClientSampleId :

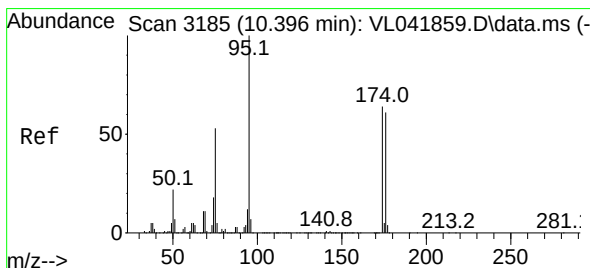
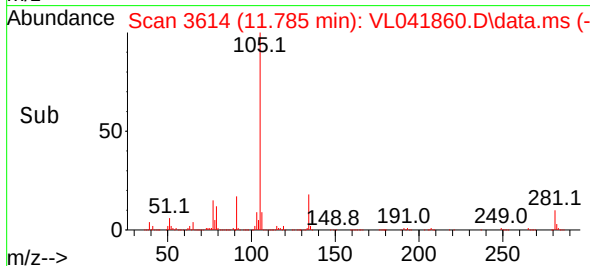
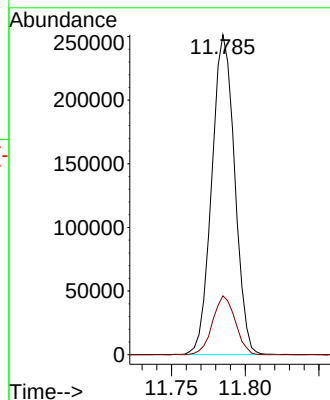
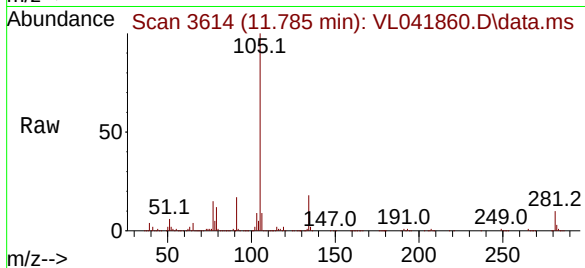
VSTDIC002

Tgt Ion:105 Resp: 270495

Ion Ratio Lower Upper

105 100

134 18.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.445 ppbv

RT: 10.396 min Scan# 3185

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

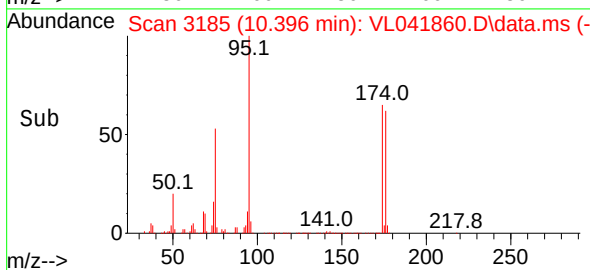
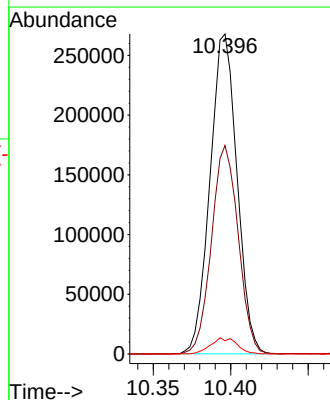
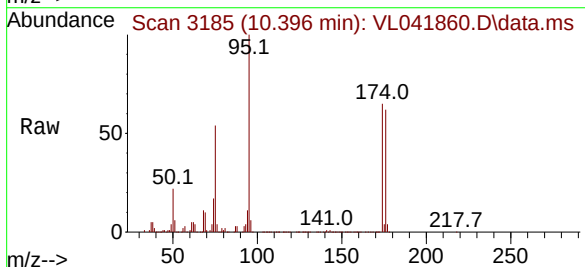
Tgt Ion: 95 Resp: 324737

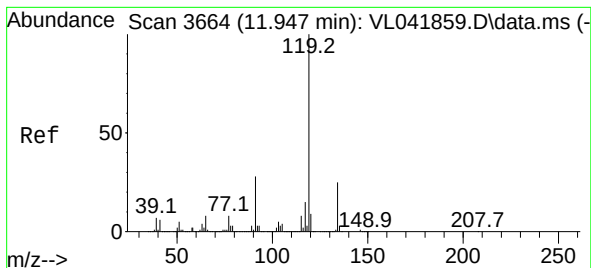
Ion Ratio Lower Upper

95 100

174 64.6 51.1 76.7

175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 3.015 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

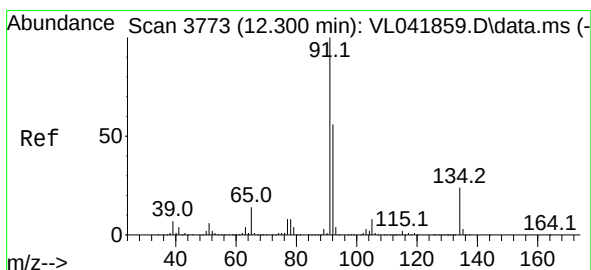
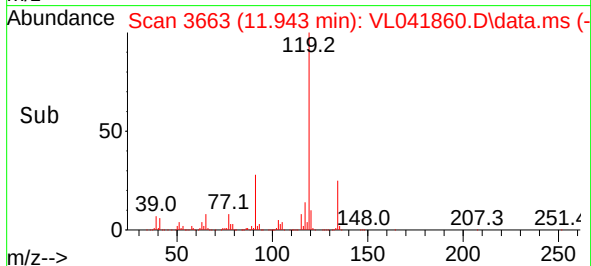
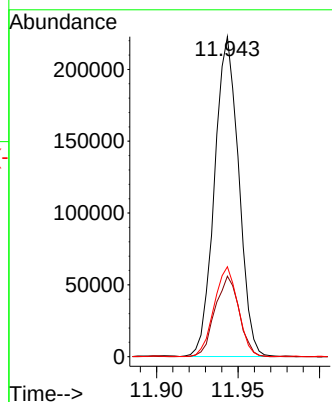
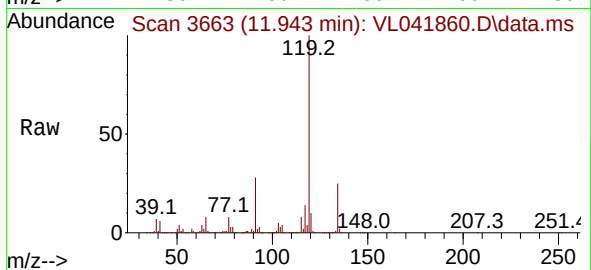
Tgt Ion:119 Resp: 229731

Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

91 28.2 22.6 34.0



#70

n-Butylbenzene

Concen: 3.011 ppbv

RT: 12.299 min Scan# 3773

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

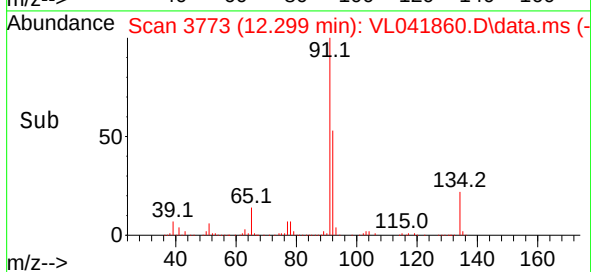
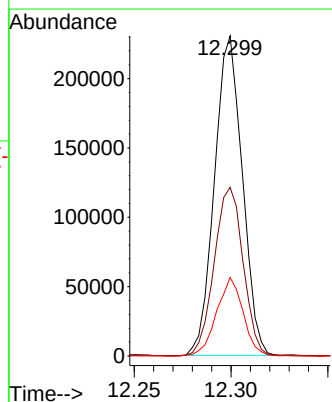
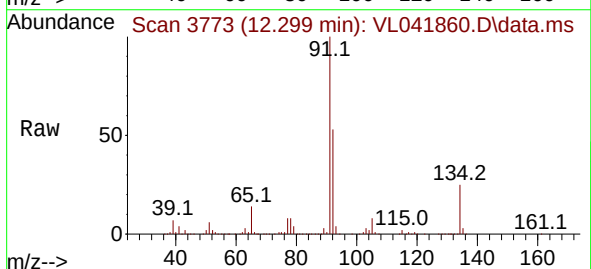
Tgt Ion: 91 Resp: 230497

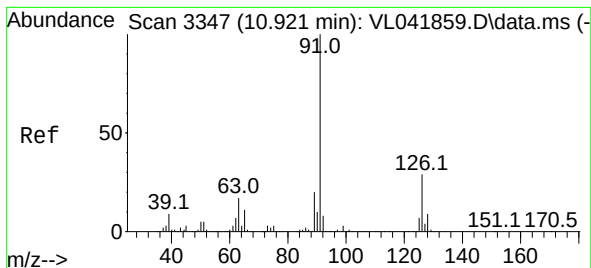
Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

134 23.5 19.3 28.9

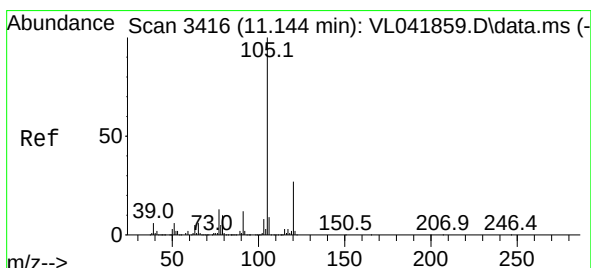
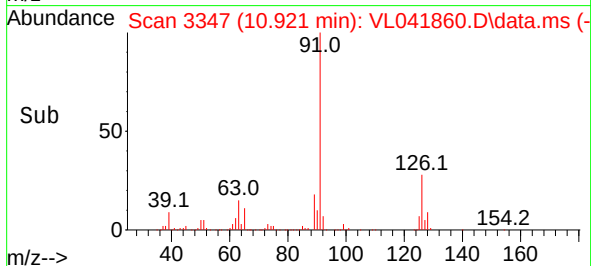
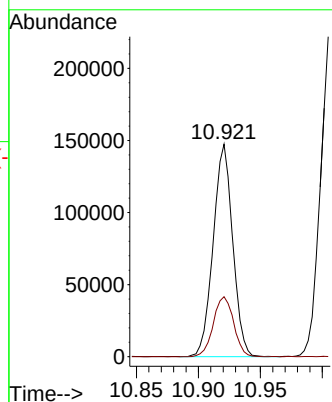
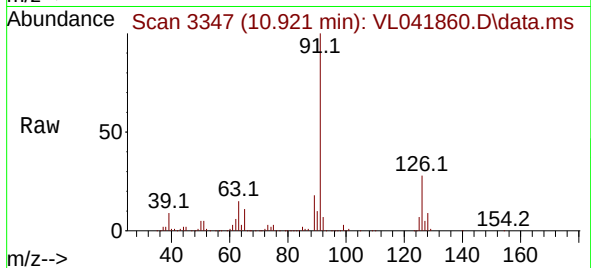




#71
2-Chlorotoluene
Concen: 3.021 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

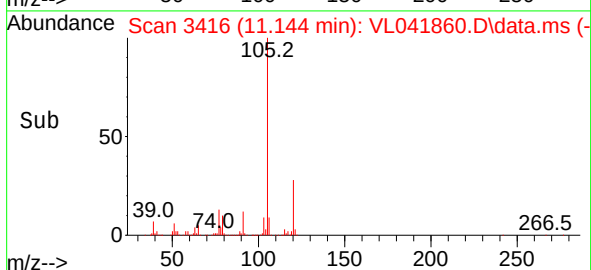
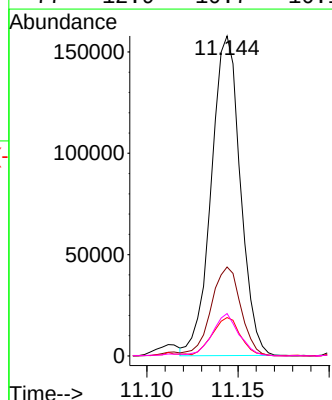
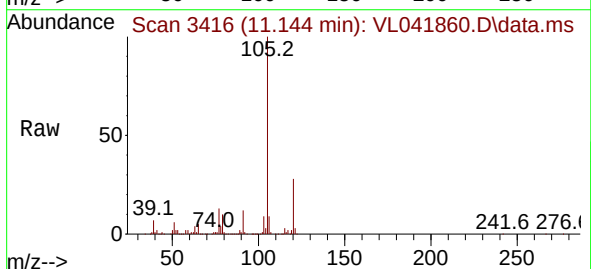
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

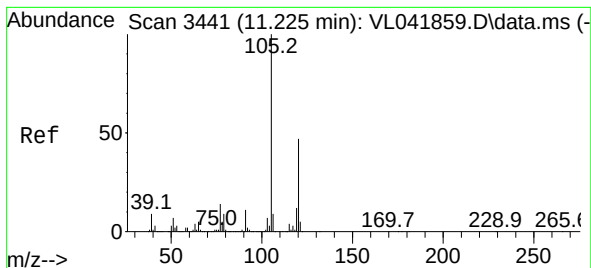
Tgt Ion: 91 Resp: 161864
Ion Ratio Lower Upper
91 100
126 29.4 11.6 46.6



#72
4-Ethyltoluene
Concen: 3.083 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. -0.000 min
Lab File: VL041860.D
Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 175142
Ion Ratio Lower Upper
105 100
120 29.3 23.5 35.3
91 12.4 9.8 14.8
77 12.9 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 2.953 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

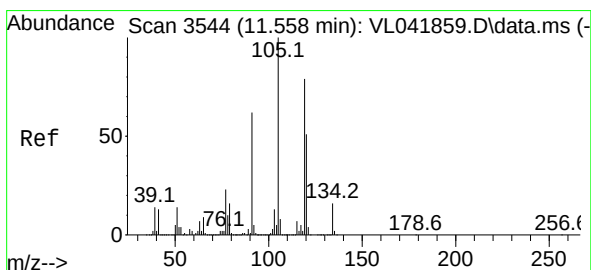
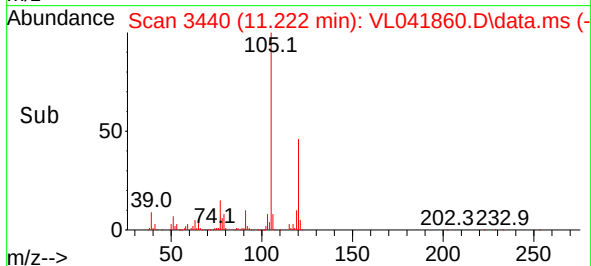
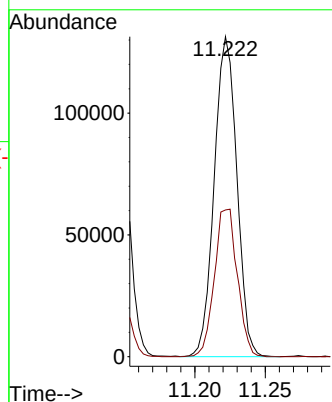
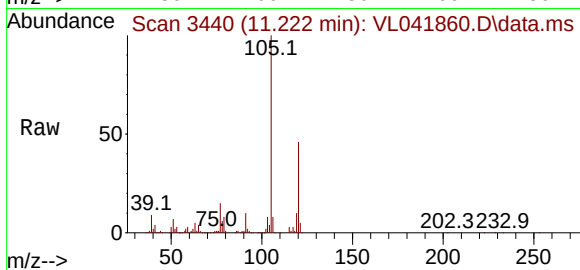
VSTDIC002

Tgt Ion:105 Resp: 146927

Ion Ratio Lower Upper

105 100

120 45.9 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 2.845 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Tgt Ion:105 Resp: 163980

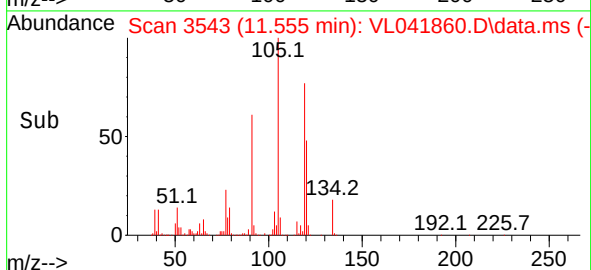
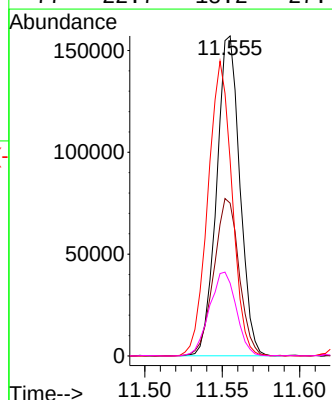
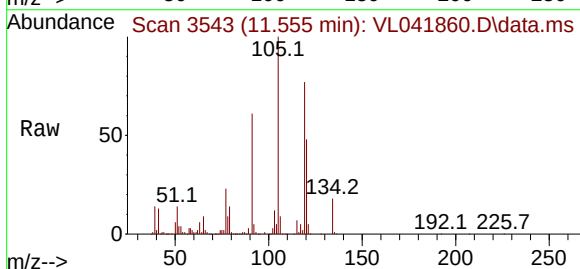
Ion Ratio Lower Upper

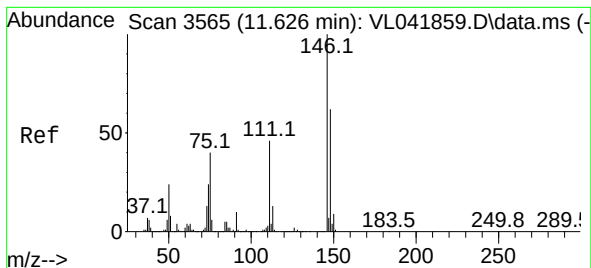
105 100

120 47.6 41.1 61.7

91 61.0 50.0 75.0

77 22.7 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 2.480 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

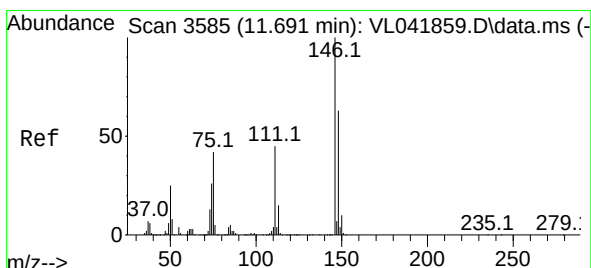
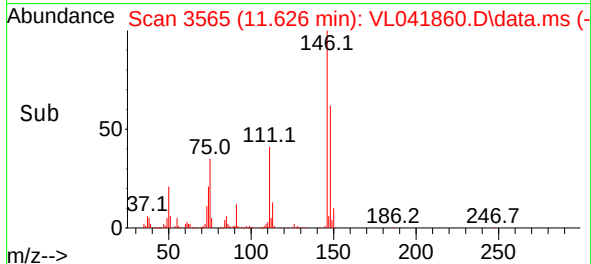
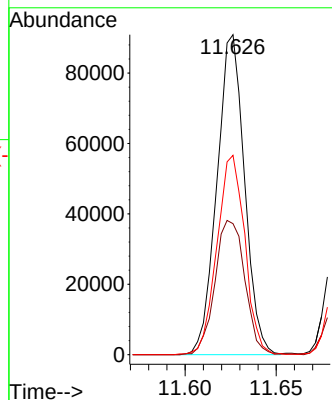
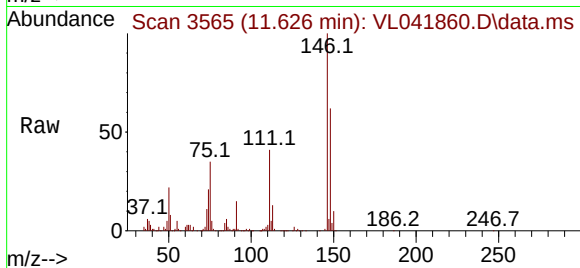
Tgt Ion:146 Resp: 95654

Ion Ratio Lower Upper

146 100

111 45.4 23.2 69.5

148 63.0 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 2.564 ppbv

RT: 11.691 min Scan# 3585

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

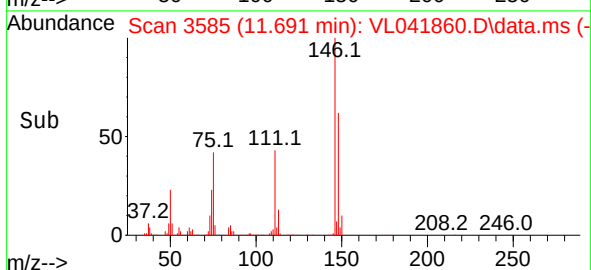
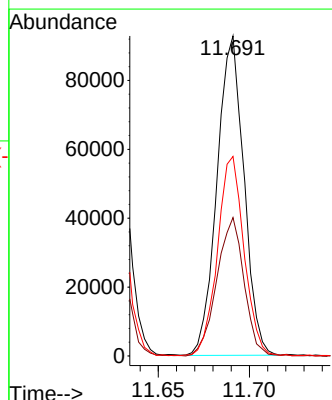
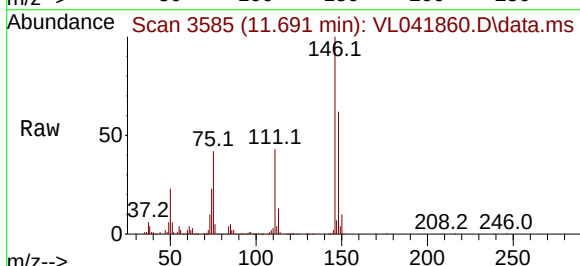
Tgt Ion:146 Resp: 95164

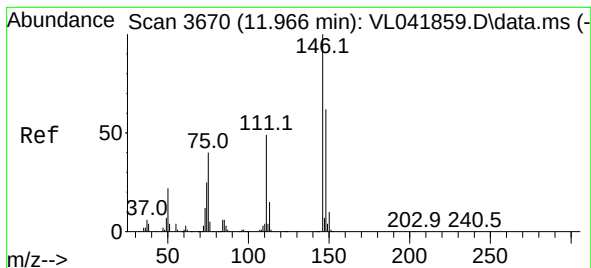
Ion Ratio Lower Upper

146 100

111 43.9 22.1 66.1

148 62.3 31.2 93.6





#77

1,2-Dichlorobenzene

Concen: 2.240 ppbv

RT: 11.966 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

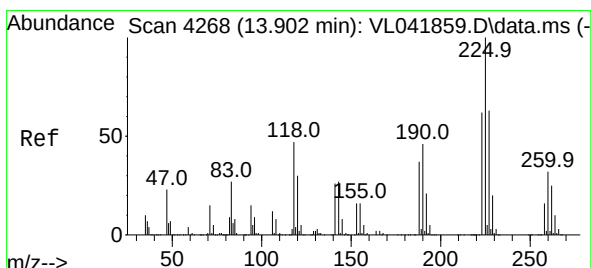
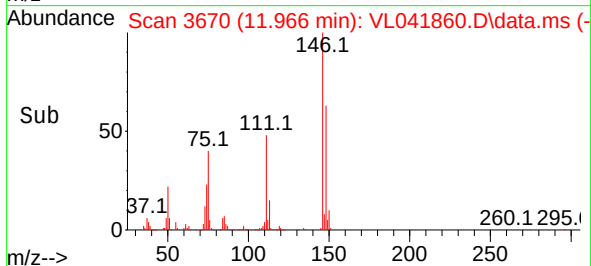
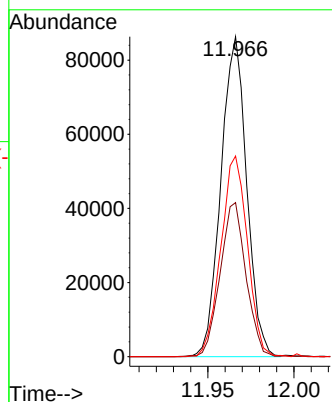
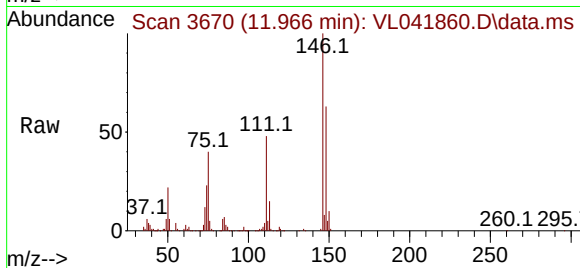
Tgt Ion:146 Resp: 90047

Ion Ratio Lower Upper

146 100

111 48.3 24.1 72.3

148 64.7 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 2.839 ppbv

RT: 13.898 min Scan# 4267

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

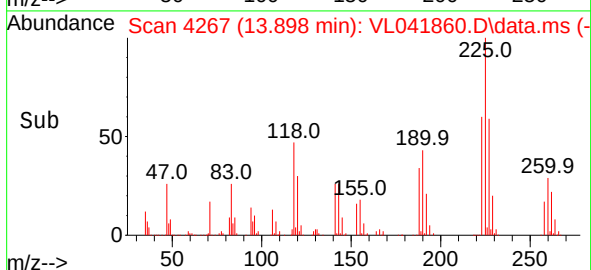
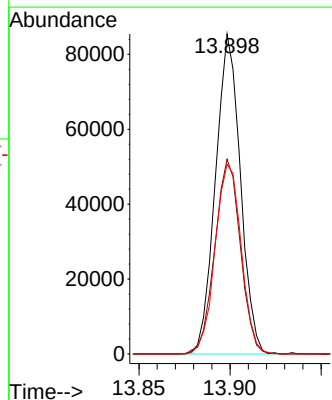
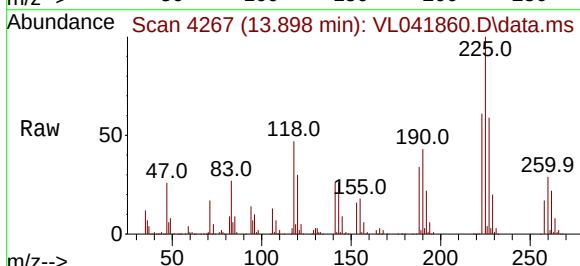
Tgt Ion:225 Resp: 81017

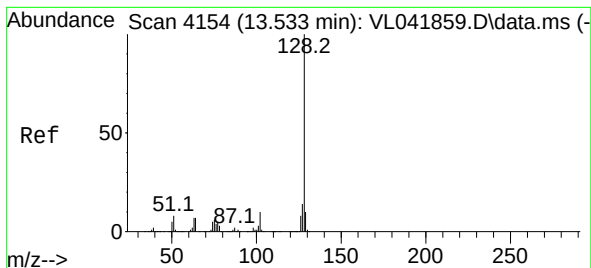
Ion Ratio Lower Upper

225 100

223 62.4 50.6 75.8

227 62.2 50.9 76.3





#79

Naphthalene

Concen: 4.280 ppbv

RT: 13.529 min Scan# 4153

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

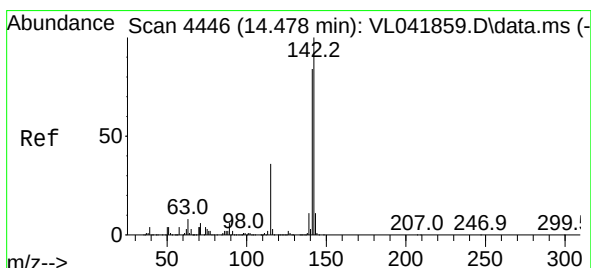
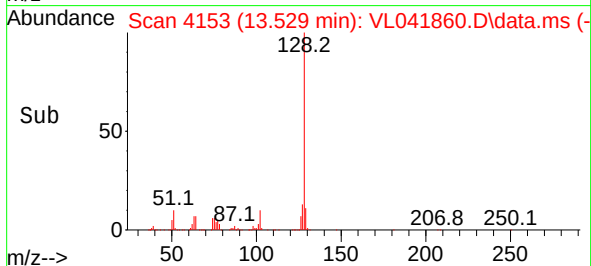
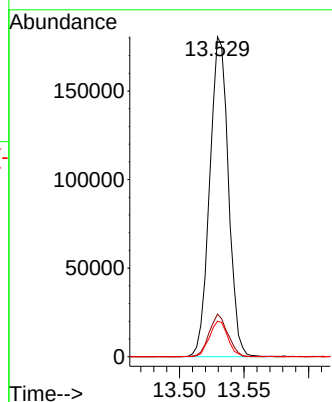
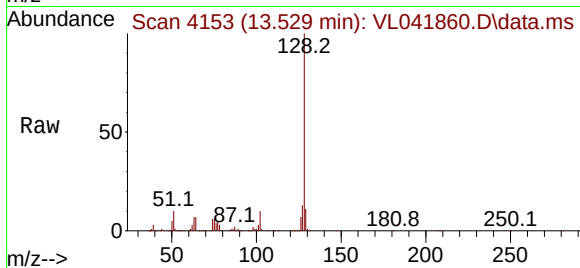
Tgt Ion:128 Resp: 181703

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 11.0 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 6.823 ppbv

RT: 14.474 min Scan# 4445

Delta R.T. -0.003 min

Lab File: VL041860.D

Acq: 09 Jan 2025 11:52

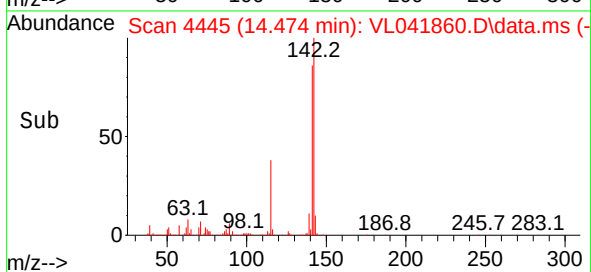
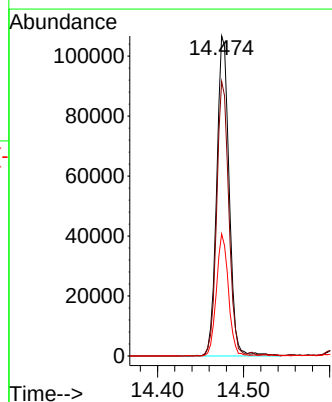
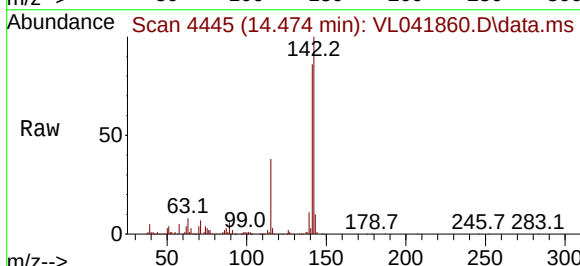
Tgt Ion:142 Resp: 107211

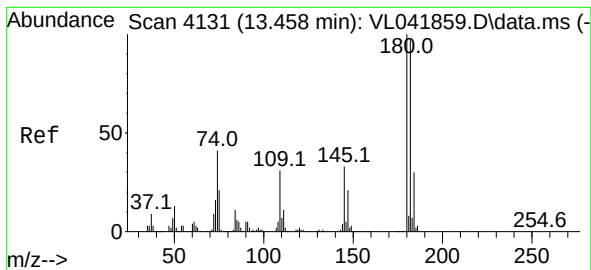
Ion Ratio Lower Upper

142 100

141 85.1 68.2 102.4

115 37.3 29.4 44.2

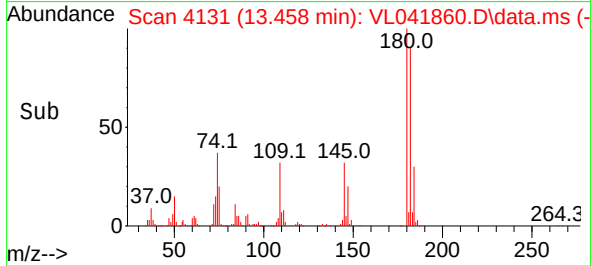
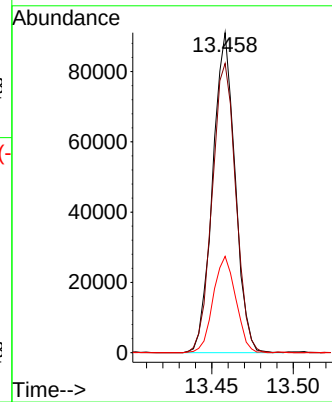
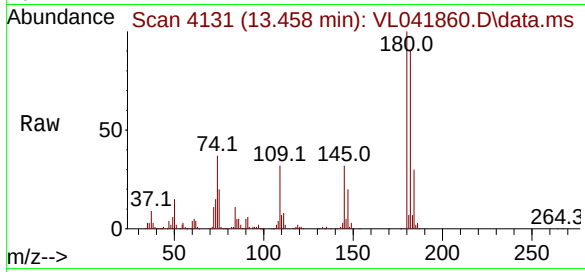




#81
 1,2,4-Trichlorobenzene
 Concen: 3.689 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041860.D
 Acq: 09 Jan 2025 11:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 86805
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.8
 184 30.5 24.1 36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041861.D
 Acq On : 09 Jan 2025 12:22
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jan 10 00:15:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	143443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	434494	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	394905	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	317281	9.381	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	25040	1.064	ppbv	97
3) Chlorodifluoromethane	1.483	51	27080	1.204	ppbv	99
4) Chloromethane	1.541	50	9681	1.000	ppbv	95
5) Vinyl Chloride	1.586	62	9371	0.960	ppbv	99
6) Bromomethane	1.674	94	4513	1.079	ppbv	93
7) Chloroethane	1.712	64	4049	1.077	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	20696	1.019	ppbv	100
9) Propene	1.489	41	13149	1.680	ppbv	90
10) Heptane	5.011	43	33313	1.722	ppbv	99
11) Trichlorofluoromethane	1.887	101	24866	1.039	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.153	101	20153	1.131	ppbv	99
13) Ethanol	1.729	45	1448	1.408	ppbv	72
14) Bromoethene	1.790	108	6917	1.185	ppbv #	88
15) Acetone	1.845	43	28258	1.070	ppbv	97
16) 1,3-Butadiene	1.615	39	10650	1.028	ppbv	99
17) tert-Butyl alcohol	2.052	59	29021	1.268	ppbv #	87
18) 1,1-Dichloroethene	2.046	96	9481	1.270	ppbv	90
19) Isopropyl Alcohol	1.897	45	13968	1.127	ppbv #	35
20) Methylene Chloride	2.072	84	9326	1.235	ppbv #	73
21) Allyl Chloride	2.107	41	16109	1.184	ppbv	94
22) trans-1,2-Dichloroethene	2.353	96	10902	1.307	ppbv	90
23) Vinyl Acetate	2.473	43	11666	1.420	ppbv	97
24) 1,1-Dichloroethane	2.421	63	20750	1.137	ppbv #	94
25) Ethyl Acetate	2.855	43	62927	1.421	ppbv	98
26) Hexane	2.842	57	25792	1.678	ppbv	96
27) Carbon Disulfide	2.162	76	24132	1.654	ppbv #	30
28) Methyl tert-Butyl Ether	2.457	73	19330	1.669	ppbv	92
29) Chloroform	2.865	83	36445	1.276	ppbv	97
30) Cyclohexane	3.881	84	21797	1.870	ppbv	91
31) cis-1,2-Dichloroethene	2.735	61	25721	1.626	ppbv	93
32) 1,1,1-Trichloroethane	3.389	97	34347	1.327	ppbv	98
34) 2-Butanone	2.573	43	37395	1.093	ppbv	100
35) Carbon Tetrachloride	3.784	117	33087	1.008	ppbv	93
36) Benzene	3.677	78	52621	1.268	ppbv	96
37) 1,2-Dichloroethane	3.237	62	26348	0.966	ppbv #	96
38) Trichloroethene	4.577	130	20492	1.284	ppbv	96
39) 1,2-Dichloropropane	4.341	63	18342	1.142	ppbv	90
40) 1,4-Dioxane	4.622	88	5243	0.844	ppbv #	1
41) Tetrahydrofuran	3.082	42	21802	1.352	ppbv	96
42) Bromodichloromethane	4.515	83	37075	1.158	ppbv #	93
43) Methyl Methacrylate	4.913	69	20990	1.610	ppbv	95
44) 2,2,4-Trimethylpentane	4.671	57	89035	1.302	ppbv	100
45) t-1,3-Dichloropropene	6.448	75	20502	1.611	ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041861.D
 Acq On : 09 Jan 2025 12:22
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

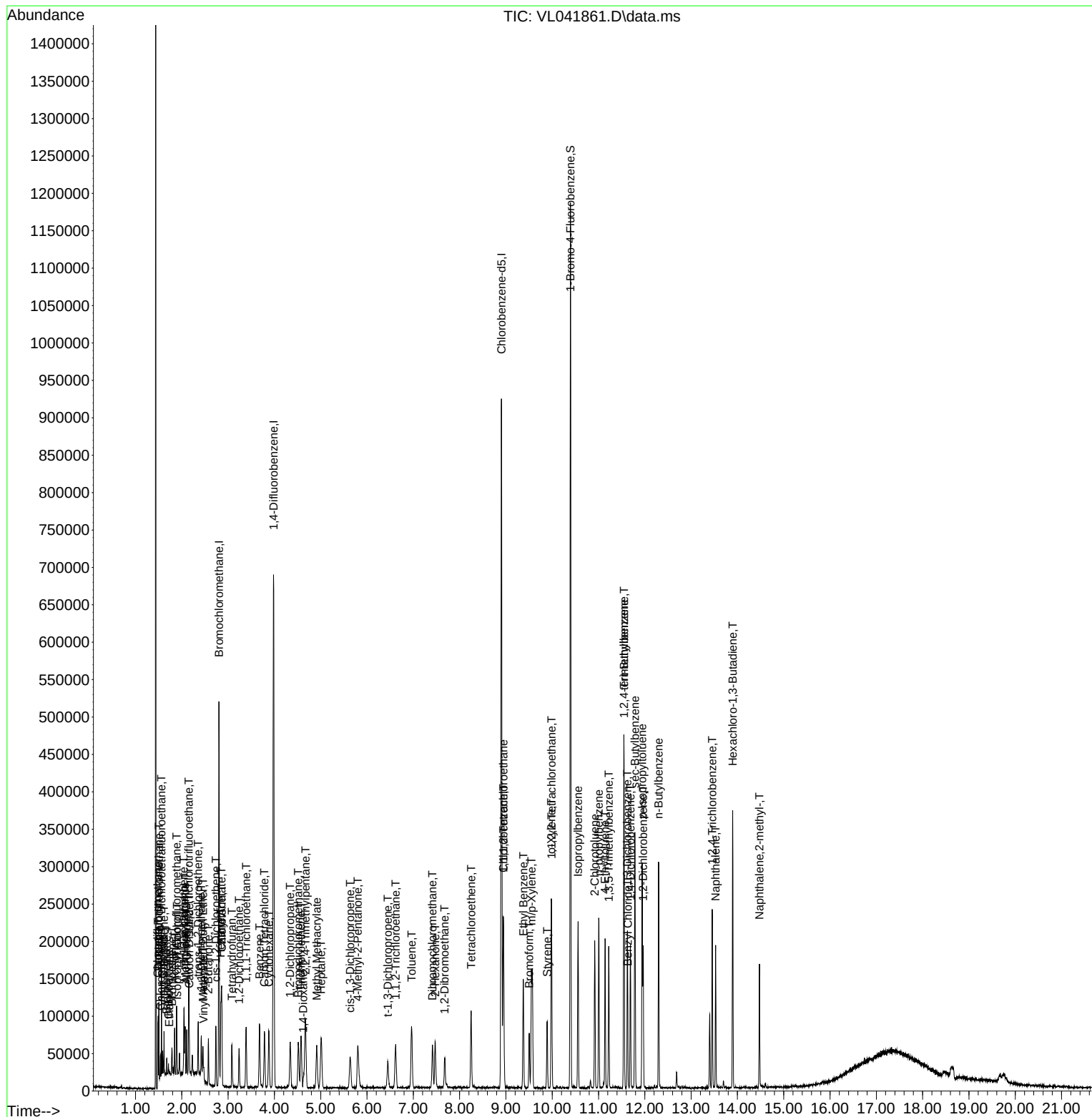
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

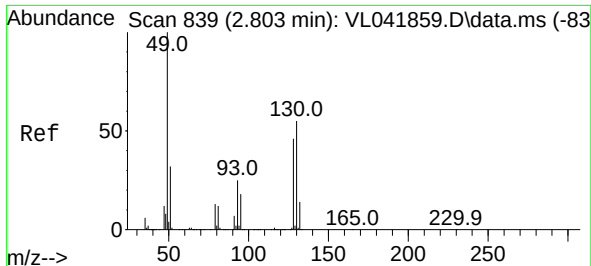
Quant Time: Jan 10 00:15:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	17954	1.071	ppbv	98
47) 1,1,2-Trichloroethane	6.619	97	19621	1.157	ppbv	99
48) Dibromochloromethane	7.412	129	15685	0.726	ppbv #	10
49) Bromoform	9.503	173	24569	1.418	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	28971	0.732	ppbv #	48
51) 2-Hexanone	7.470	43	41781	1.395	ppbv #	94
52) Tetrachloroethene	8.250	164	18665	1.517	ppbv	96
53) Toluene	6.962	91	62304	1.686	ppbv	100
54) 1,2-Dibromoethane	7.678	107	26769	1.287	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.946	131	24293	1.079	ppbv	98
57) Chlorobenzene	8.946	112	47288	1.146	ppbv	89
58) Ethyl Benzene	9.377	91	84795	1.575	ppbv	98
59) m/p-Xylene	9.552	91	71678	1.512	ppbv #	100
60) o-Xylene	9.982	91	67480	1.460	ppbv	98
61) Styrene	9.891	104	32180	1.795	ppbv	96
62) Isopropylbenzene	10.558	105	101824	1.402	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	39140	0.966	ppbv	96
64) n-propylbenzene	11.008	120	26642	1.430	ppbv	98
65) tert-Butylbenzene	11.549	119	95303	1.457	ppbv	99
66) Benzyl Chloride	11.633	91	9179	1.675	ppbv #	96
67) sec-Butylbenzene	11.785	105	130334	1.365	ppbv	99
69) p-Isopropyltoluene	11.943	119	112256	1.498	ppbv	99
70) n-Butylbenzene	12.299	91	111884	1.486	ppbv	99
71) 2-Chlorotoluene	10.917	91	79598	1.510	ppbv	99
72) 4-Ethyltoluene	11.141	105	84096	1.505	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	71812	1.467	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	79018	1.394	ppbv	91
75) 1,3-Dichlorobenzene	11.623	146	46462	1.224	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	45316	1.241	ppbv	96
77) 1,2-Dichlorobenzene	11.963	146	44103	1.115	ppbv	97
78) Hexachloro-1,3-Butadiene	13.898	225	40100	1.428	ppbv	99
79) Naphthalene	13.529	128	86398	2.069	ppbv	98
80) Naphthalene,2-methyl-	14.474	142	49515	3.203	ppbv	97
81) 1,2,4-Trichlorobenzene	13.455	180	42679	1.844	ppbv	99

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

Quant Time: Jan 10 00:15:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

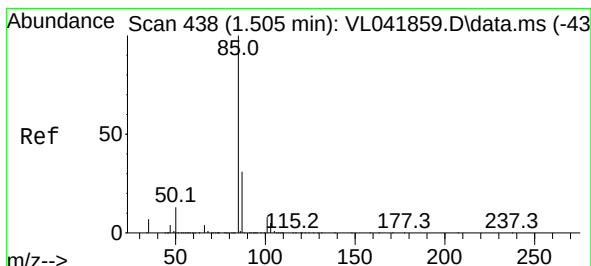
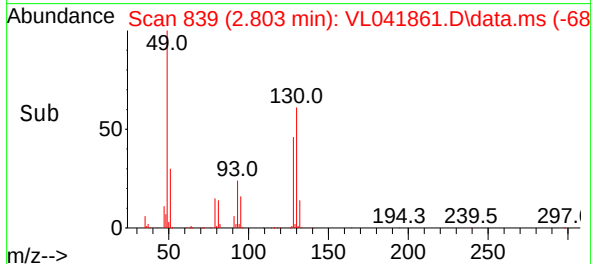
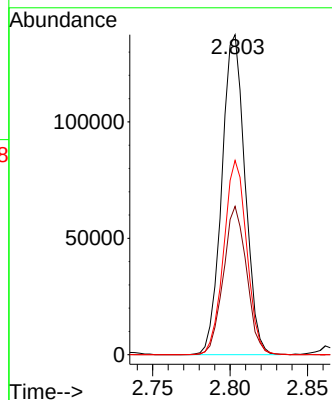
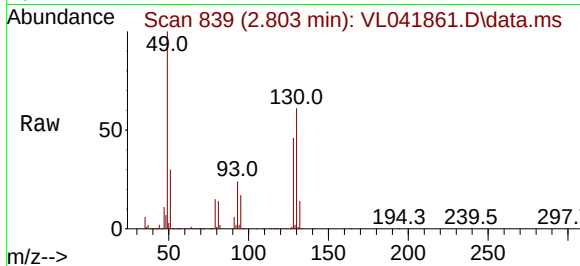




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 839
 Delta R.T. 0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

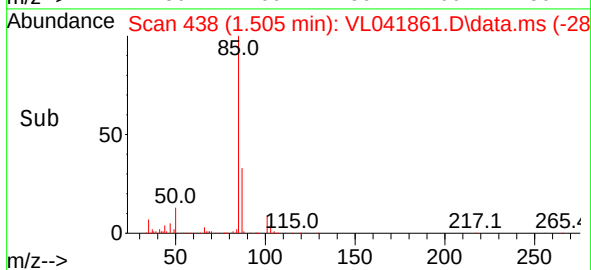
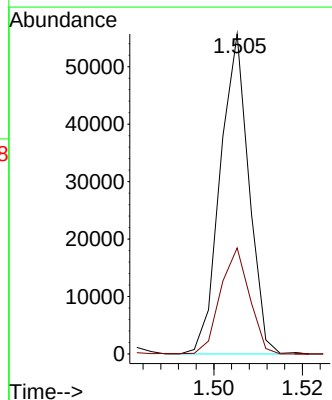
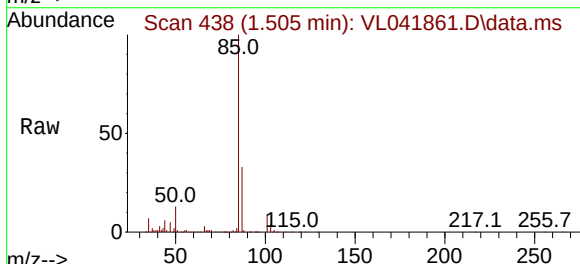
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

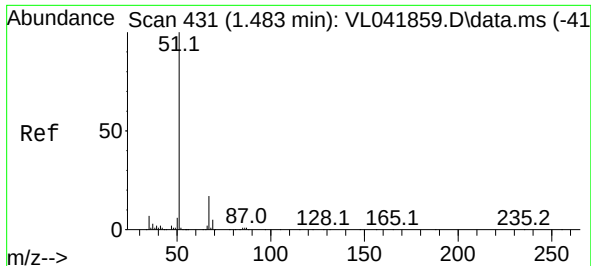
Tgt Ion: 49 Resp: 143443
 Ion Ratio Lower Upper
 49 100
 128 46.3 23.2 69.5
 130 60.1 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 1.064 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Tgt Ion: 85 Resp: 25040
 Ion Ratio Lower Upper
 85 100
 87 33.2 25.2 37.8





#3

Chlorodifluoromethane

Concen: 1.204 ppbv

RT: 1.483 min Scan# 431

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_1

ClientSampleId :

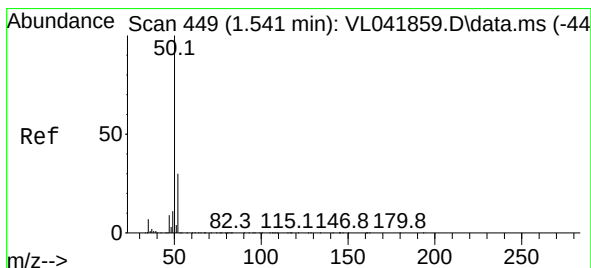
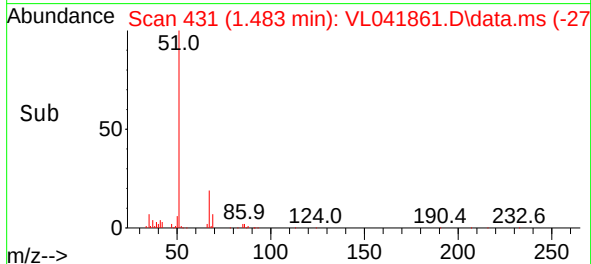
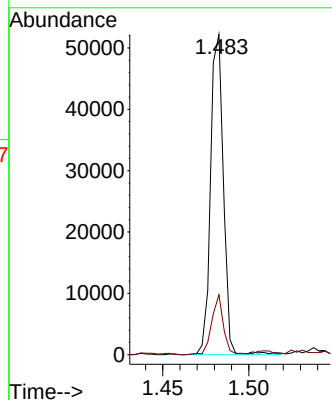
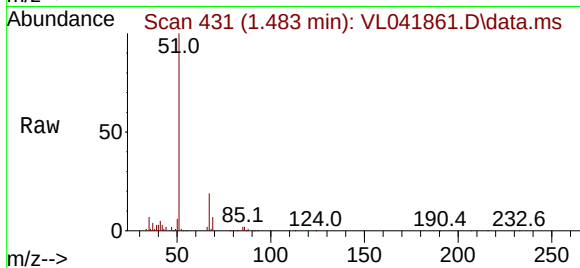
VSTDIC001

Tgt Ion: 51 Resp: 27080

Ion Ratio Lower Upper

51 100

67 17.1 13.8 20.8



#4

Chloromethane

Concen: 1.000 ppbv

RT: 1.541 min Scan# 449

Delta R.T. -0.000 min

Lab File: VL041861.D

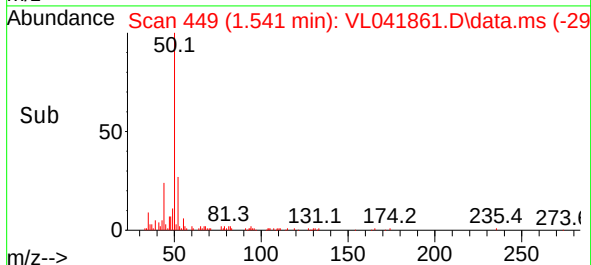
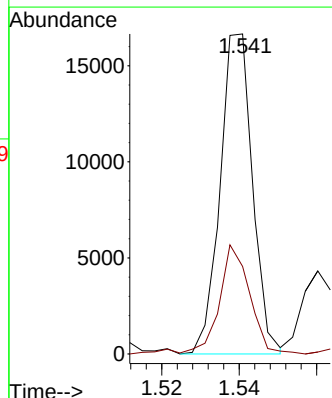
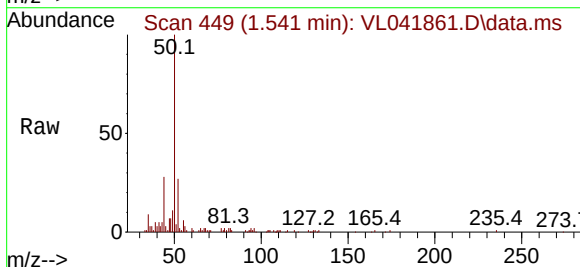
Acq: 09 Jan 2025 12:22

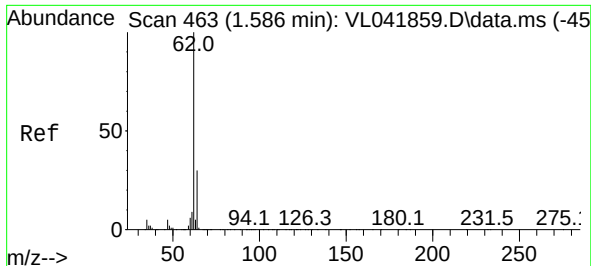
Tgt Ion: 50 Resp: 9681

Ion Ratio Lower Upper

50 100

52 27.1 23.9 35.9

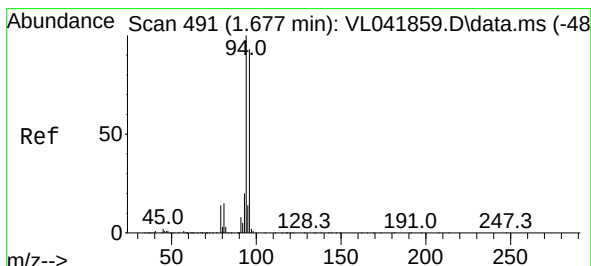
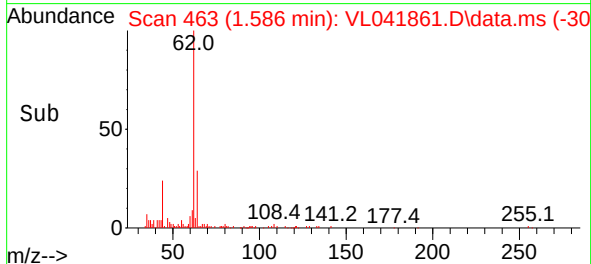
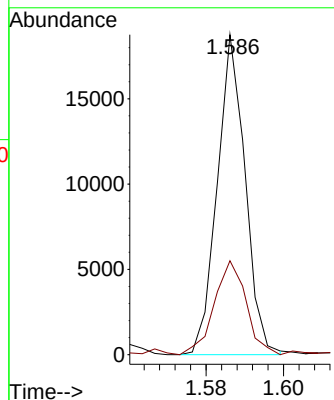
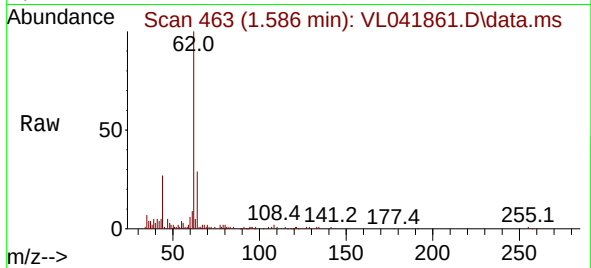




#5
 Vinyl Chloride
 Concen: 0.960 ppbv
 RT: 1.586 min Scan# 463
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

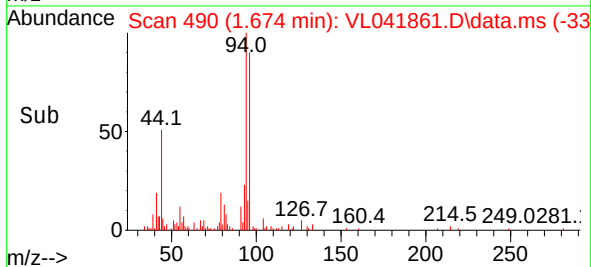
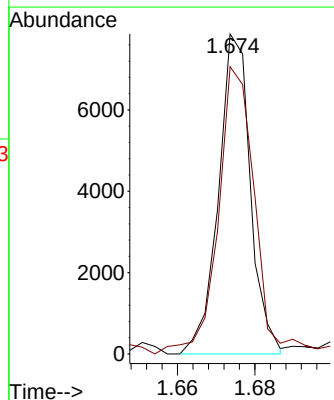
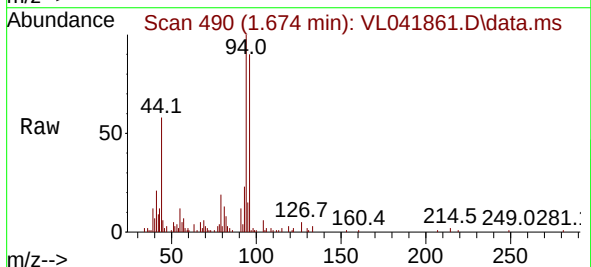
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

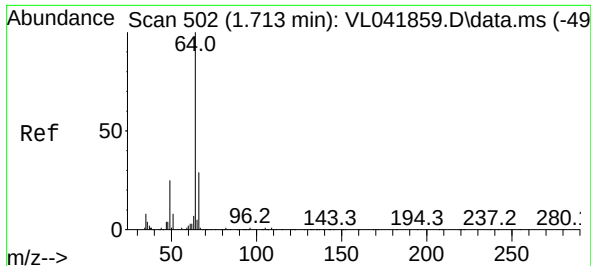
Tgt Ion: 62 Resp: 9371
 Ion Ratio Lower Upper
 62 100
 64 29.3 24.1 36.1



#6
 Bromomethane
 Concen: 1.079 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Tgt Ion: 94 Resp: 4513
 Ion Ratio Lower Upper
 94 100
 96 86.9 74.8 112.2

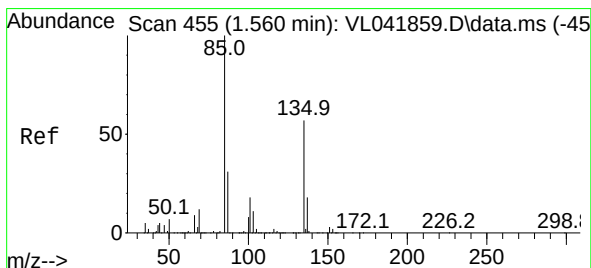
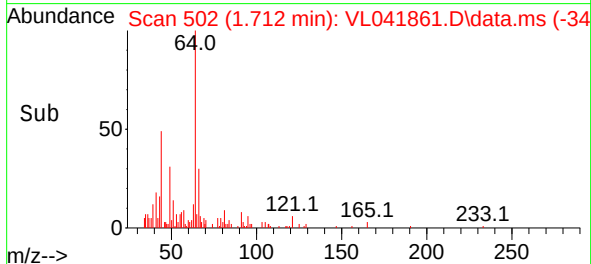
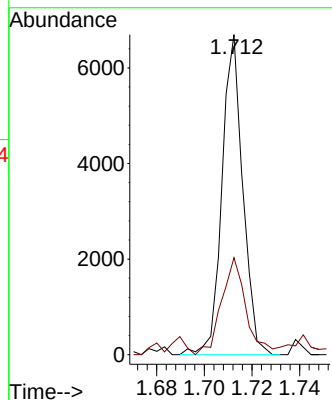
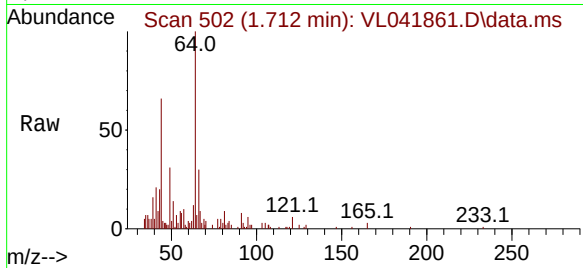




#7
Chloroethane
Concen: 1.077 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

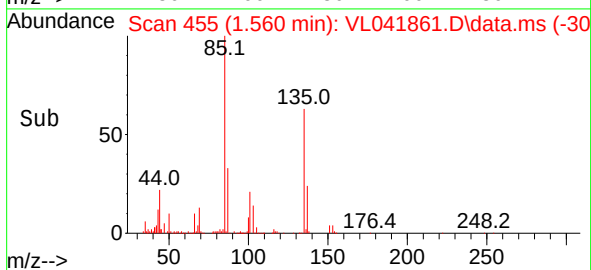
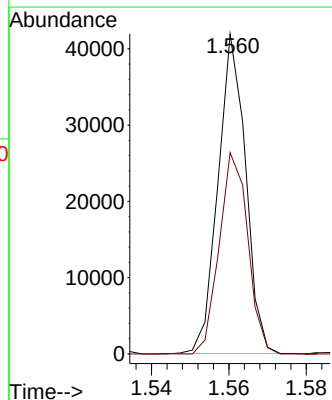
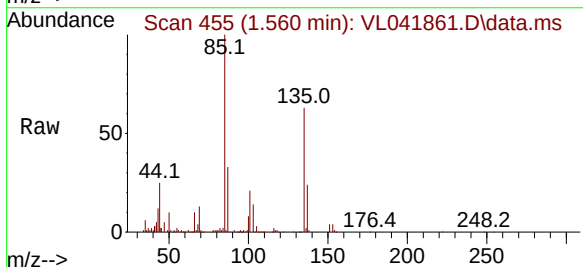
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

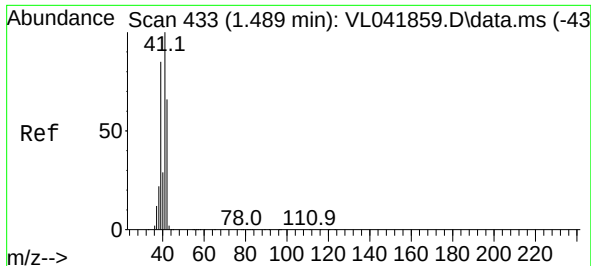
Tgt Ion: 64 Resp: 4049
Ion Ratio Lower Upper
64 100
66 30.3 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 1.019 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 85 Resp: 20696
Ion Ratio Lower Upper
85 100
135 65.5 52.2 78.4





#9

Propene

Concen: 1.680 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

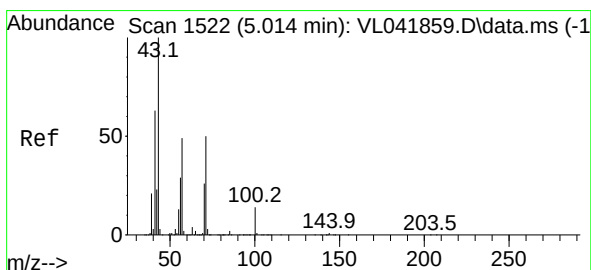
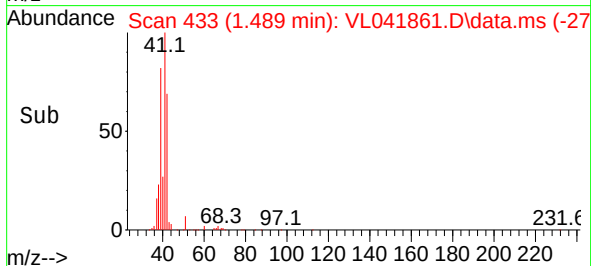
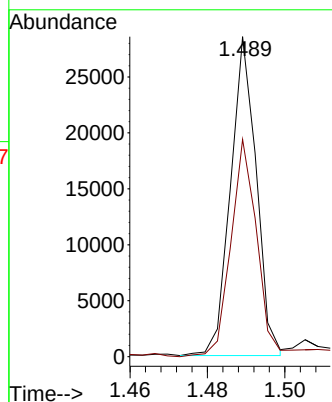
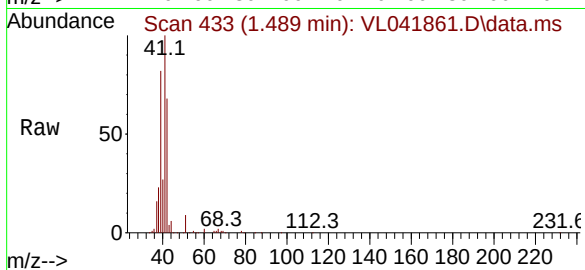
VSTDIC001

Tgt Ion: 41 Resp: 13149

Ion Ratio Lower Upper

41 100

42 74.0 53.0 79.6



#10

Heptane

Concen: 1.722 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. -0.003 min

Lab File: VL041861.D

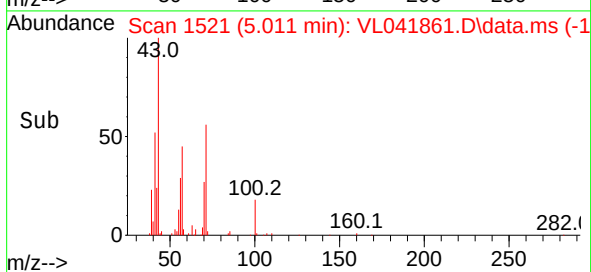
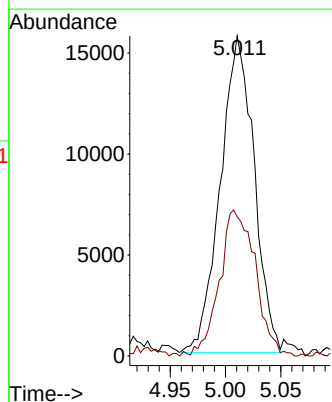
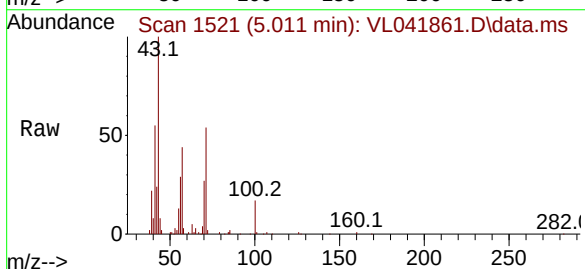
Acq: 09 Jan 2025 12:22

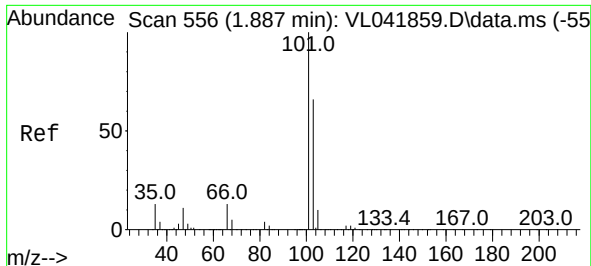
Tgt Ion: 43 Resp: 33313

Ion Ratio Lower Upper

43 100

57 49.2 40.2 60.2





#11

Trichlorofluoromethane

Concen: 1.039 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

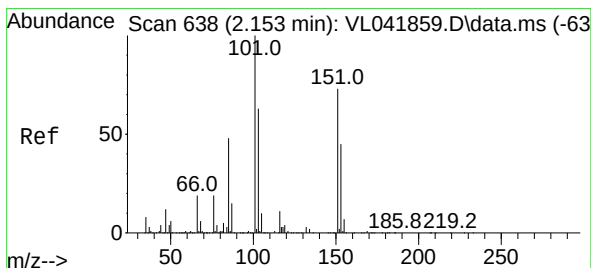
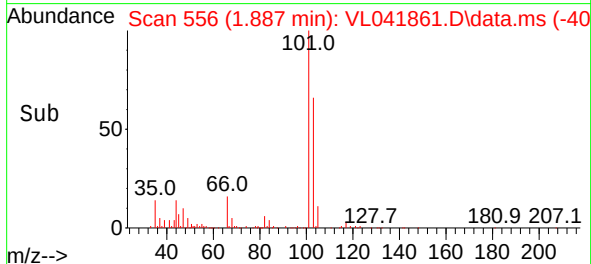
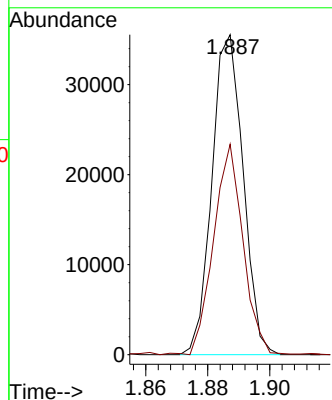
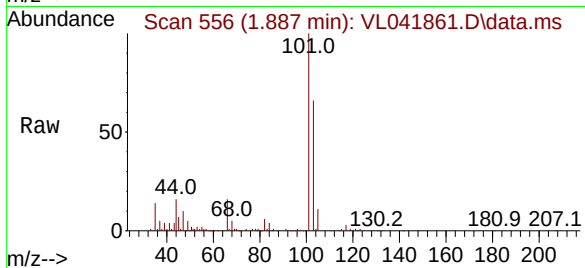
VSTDIC001

Tgt Ion:101 Resp: 24866

Ion Ratio Lower Upper

101 100

103 65.4 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.131 ppbv

RT: 2.153 min Scan# 638

Delta R.T. -0.000 min

Lab File: VL041861.D

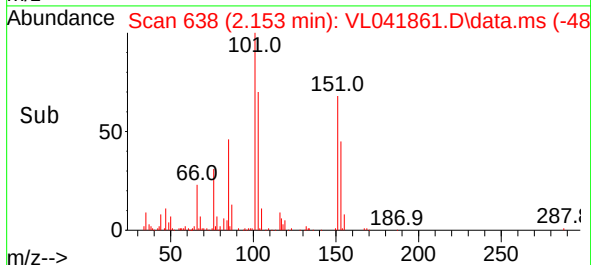
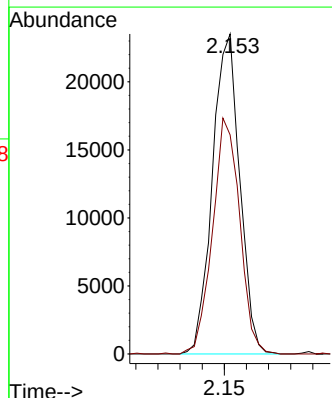
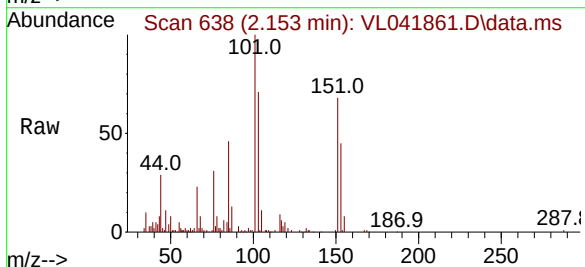
Acq: 09 Jan 2025 12:22

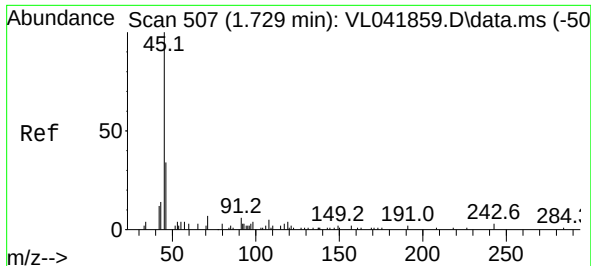
Tgt Ion:101 Resp: 20153

Ion Ratio Lower Upper

101 100

151 73.4 59.4 89.0





#13

Ethanol

Concen: 1.408 ppbv

RT: 1.729 min Scan# 507

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

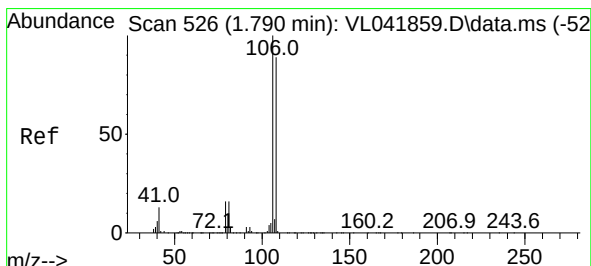
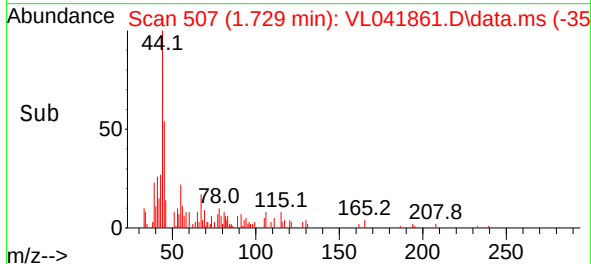
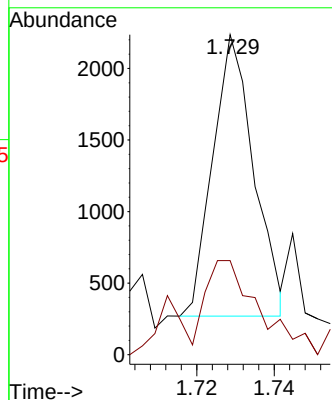
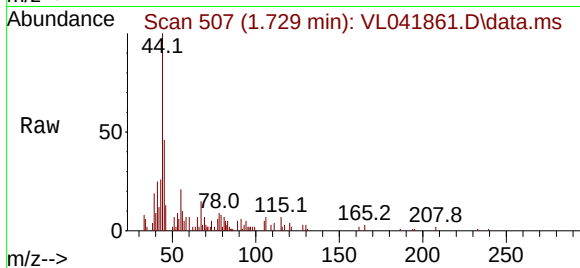
VSTDIC001

Tgt Ion: 45 Resp: 1448

Ion Ratio Lower Upper

45 100

46 66.4 19.0 76.0



#14

Bromoethene

Concen: 1.185 ppbv

RT: 1.790 min Scan# 526

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

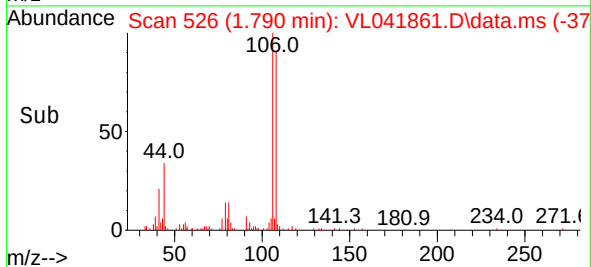
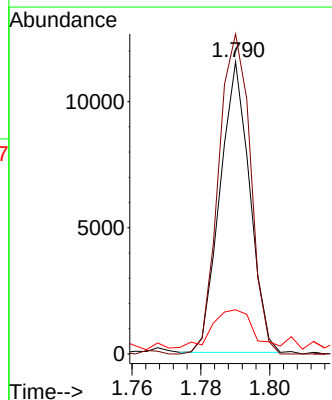
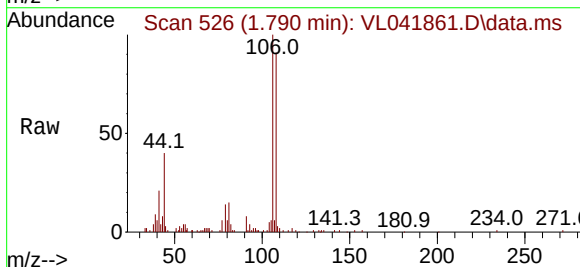
Tgt Ion: 108 Resp: 6917

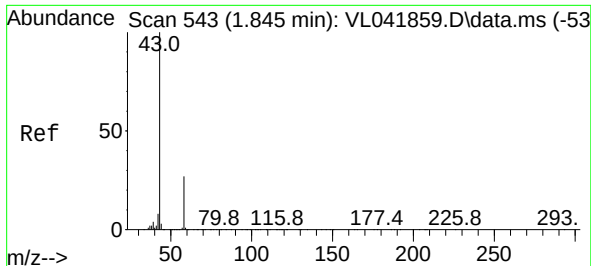
Ion Ratio Lower Upper

108 100

106 119.1 86.9 130.3

79 28.6 15.6 23.4#

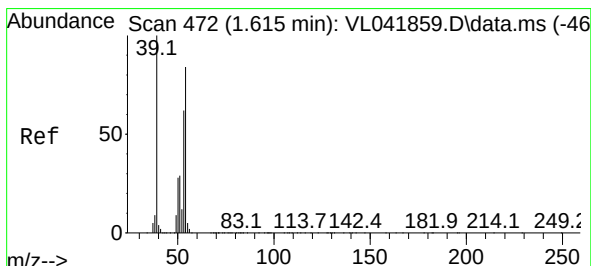
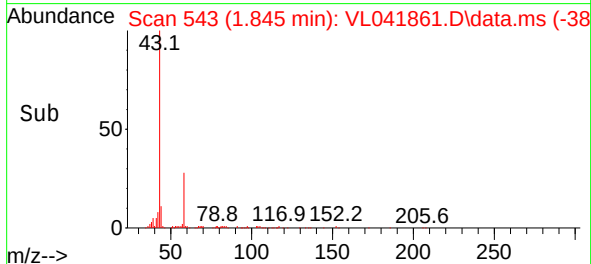
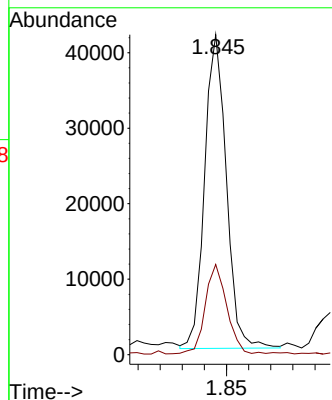
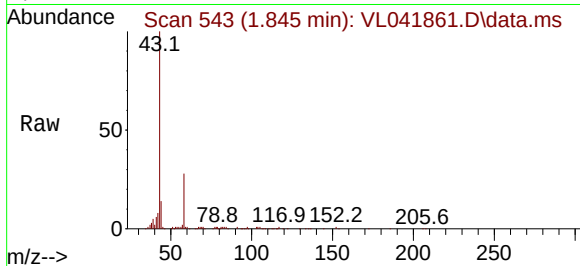




#15
Acetone
Concen: 1.070 ppbv
RT: 1.845 min Scan# 543
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

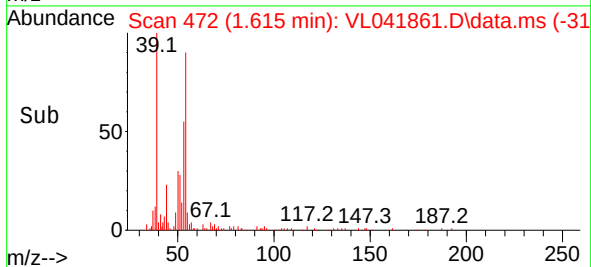
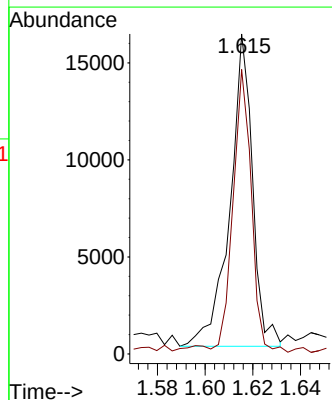
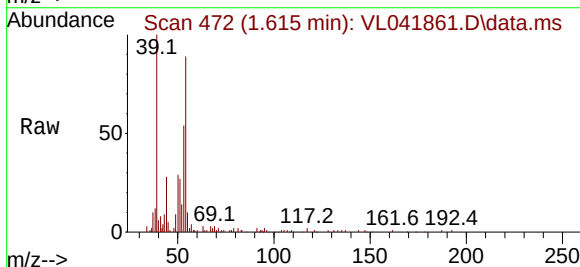
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

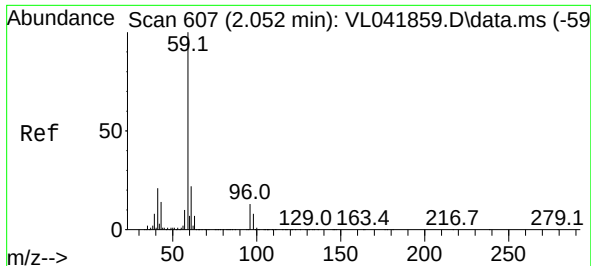
Tgt Ion: 43 Resp: 28258
Ion Ratio Lower Upper
43 100
58 30.0 22.7 34.1



#16
1,3-Butadiene
Concen: 1.028 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 39 Resp: 10650
Ion Ratio Lower Upper
39 100
54 76.1 60.1 90.1

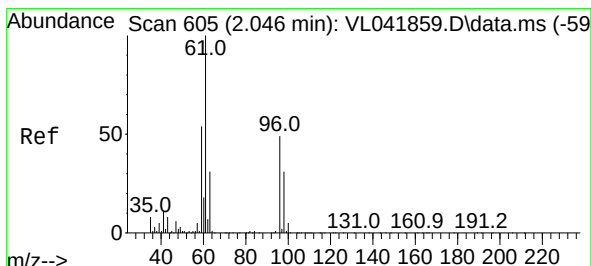
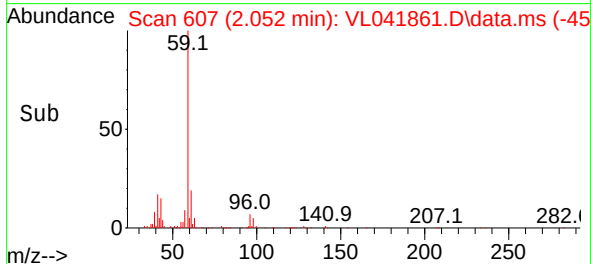
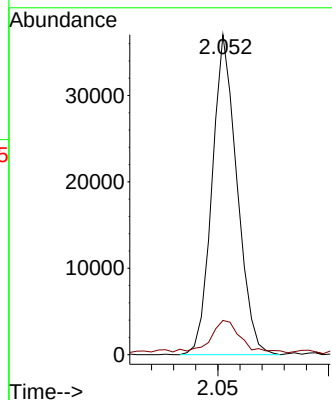
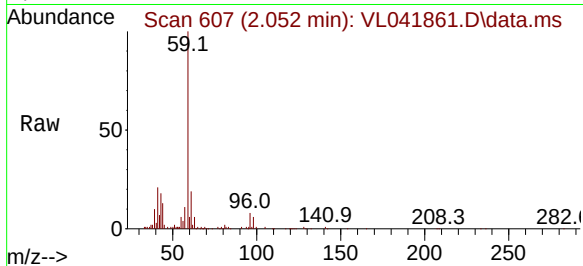




#17
tert-Butyl alcohol
Concen: 1.268 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

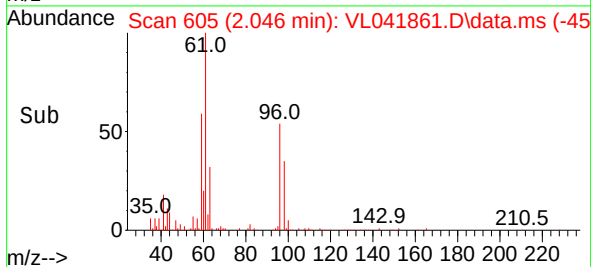
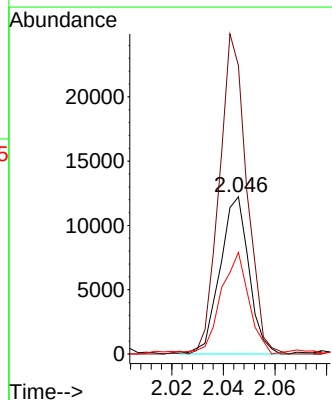
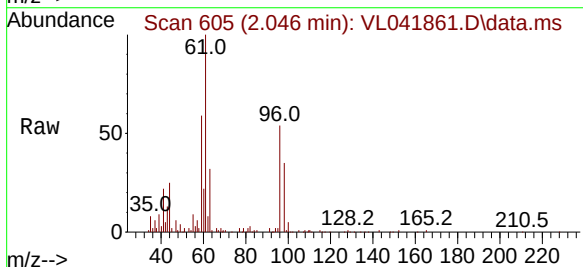
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

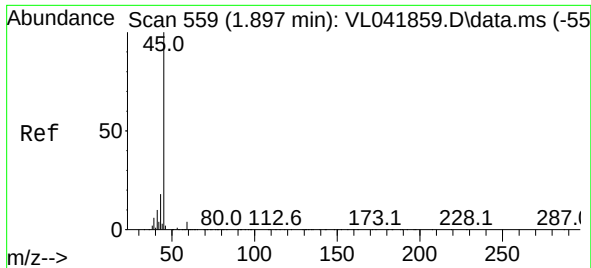
Tgt Ion: 59 Resp: 29021
Ion Ratio Lower Upper
59 100
57 15.3 8.2 12.4#



#18
1,1-Dichloroethene
Concen: 1.270 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 96 Resp: 9481
Ion Ratio Lower Upper
96 100
61 181.8 161.7 242.5
98 63.8 51.0 76.4

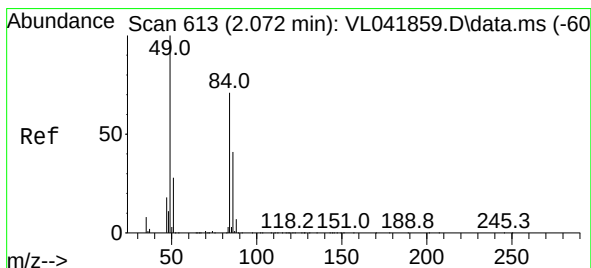
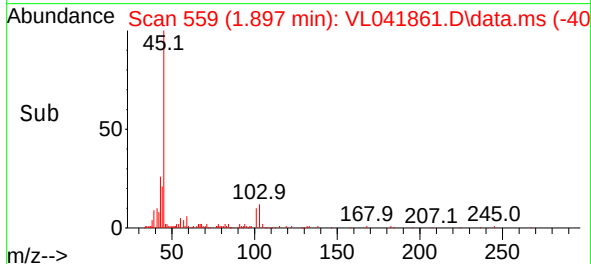
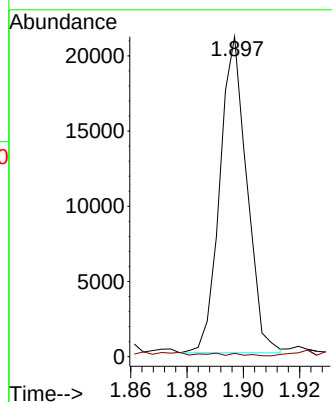
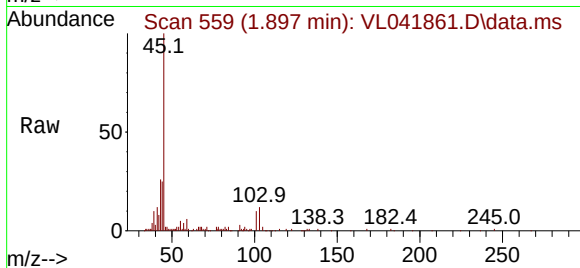




#19
Isopropyl Alcohol
Concen: 1.127 ppbv
RT: 1.897 min Scan# 559
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

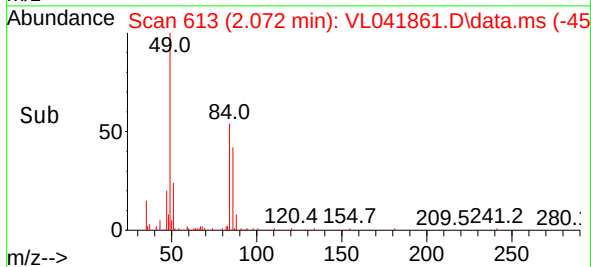
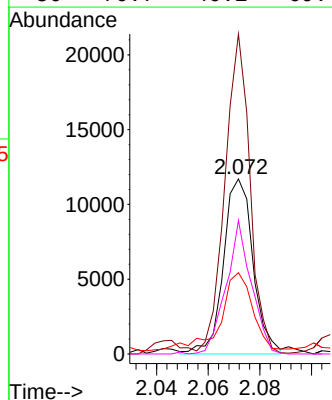
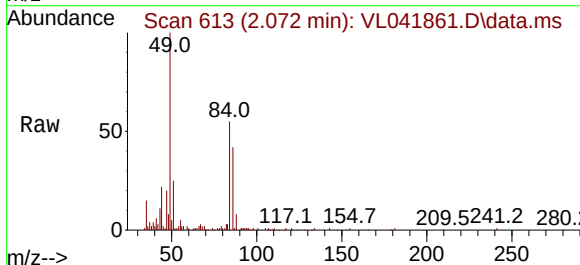
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

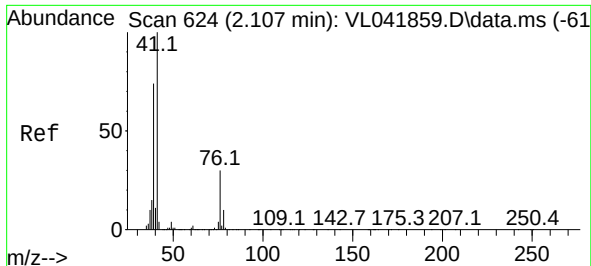
Tgt Ion: 45 Resp: 13968
Ion Ratio Lower Upper
45 100
58 2.9 37.0 55.6#



#20
Methylene Chloride
Concen: 1.235 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 84 Resp: 9326
Ion Ratio Lower Upper
84 100
49 184.6 113.8 170.8#
51 44.2 33.5 50.3
86 76.7 46.2 69.4#

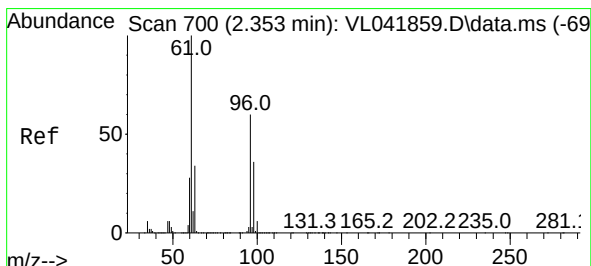
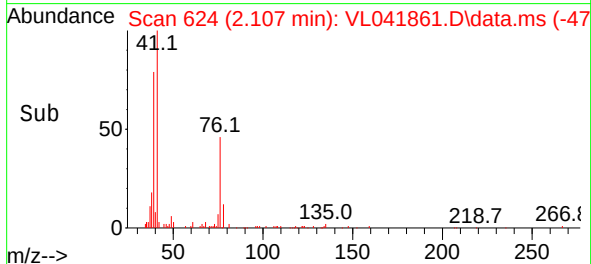
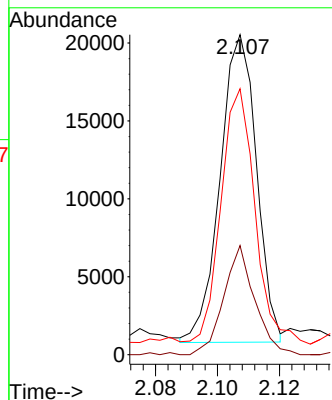
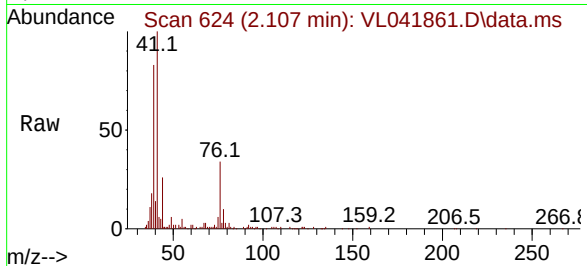




#21
 Allyl Chloride
 Concen: 1.184 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

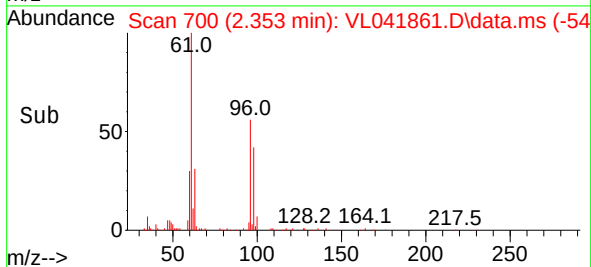
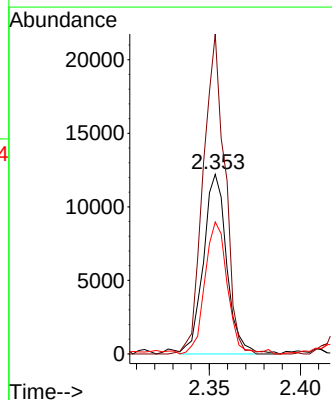
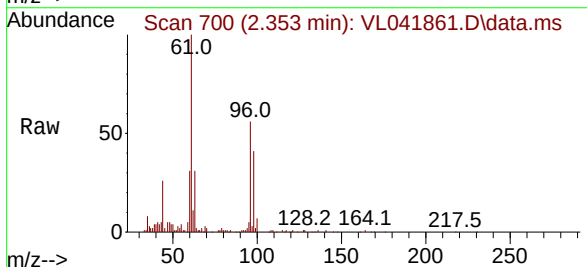
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

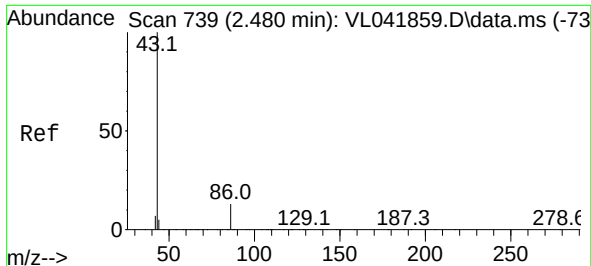
Tgt Ion: 41 Resp: 16109
 Ion Ratio Lower Upper
 41 100
 76 30.5 24.6 36.8
 39 81.6 60.1 90.1



#22
 trans-1,2-Dichloroethene
 Concen: 1.307 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Tgt Ion: 96 Resp: 10902
 Ion Ratio Lower Upper
 96 100
 61 178.1 134.2 201.4
 98 73.4 49.0 73.4





#23

Vinyl Acetate

Concen: 1.420 ppbv

RT: 2.473 min Scan# 71

Delta R.T. -0.007 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 11666

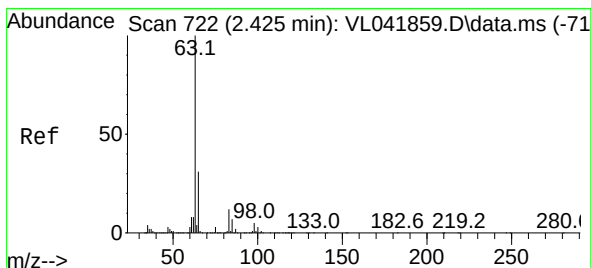
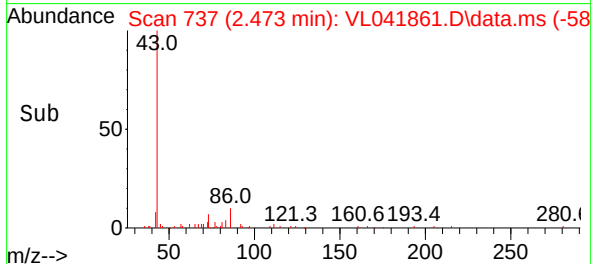
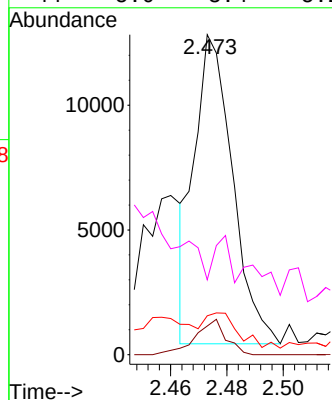
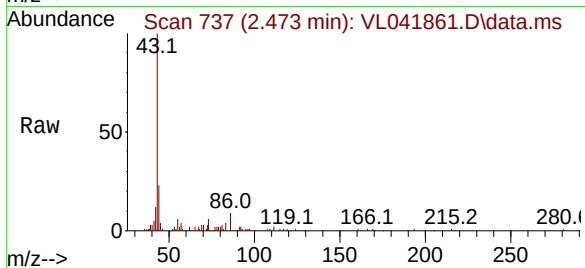
Ion Ratio Lower Upper

43 100

86 9.3 7.8 11.6

42 10.4 7.0 10.4

44 5.0 3.4 5.2



#24

1,1-Dichloroethane

Concen: 1.137 ppbv

RT: 2.421 min Scan# 721

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

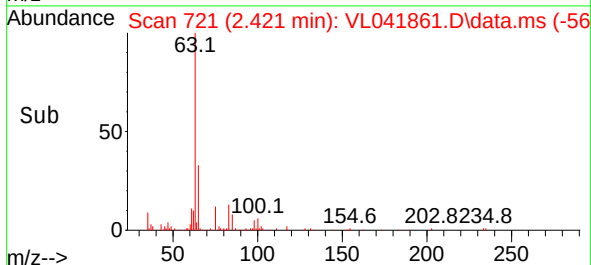
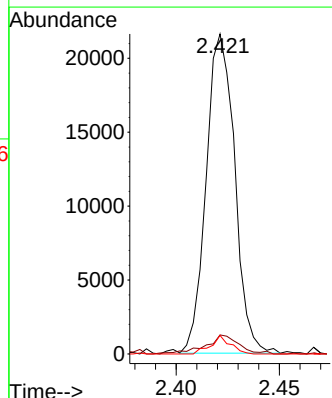
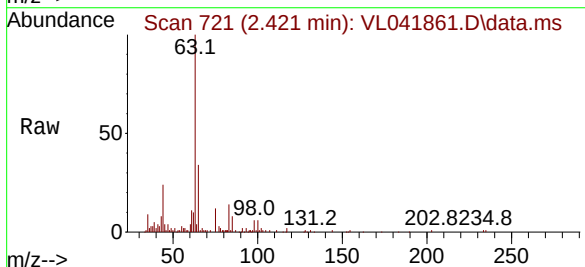
Tgt Ion: 63 Resp: 20750

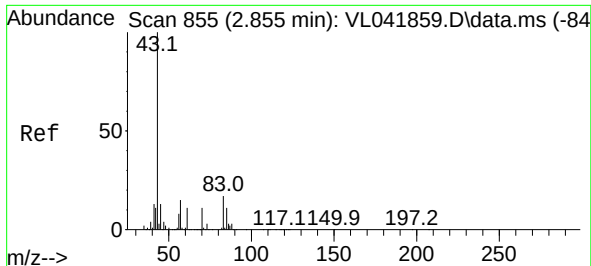
Ion Ratio Lower Upper

63 100

98 6.0 2.3 6.9

100 5.8 1.3 3.8#

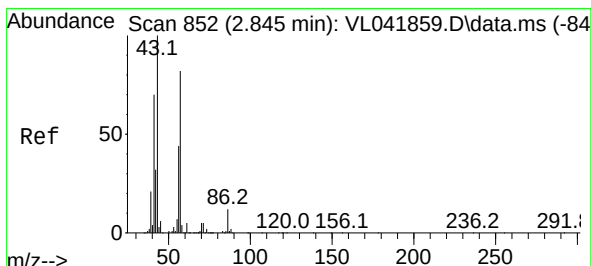
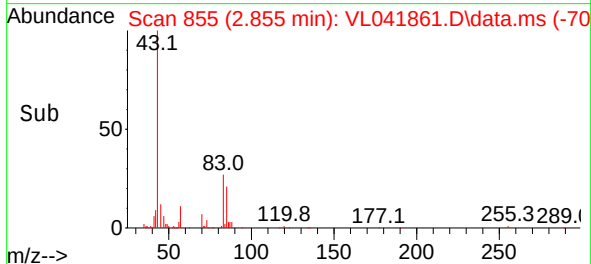
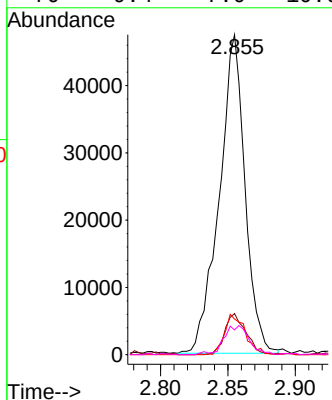
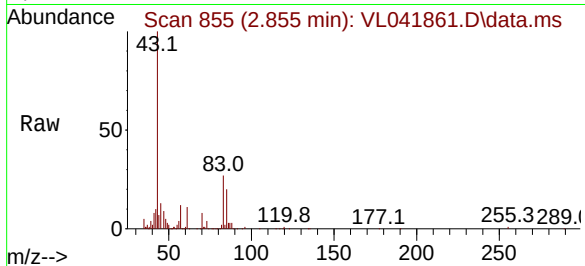




#25
Ethyl Acetate
Concen: 1.421 ppbv
RT: 2.855 min Scan# 855
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

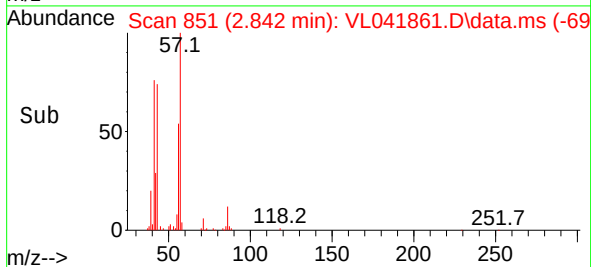
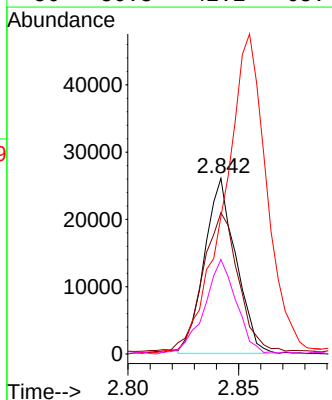
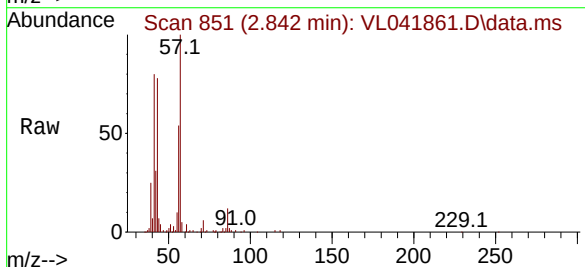
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

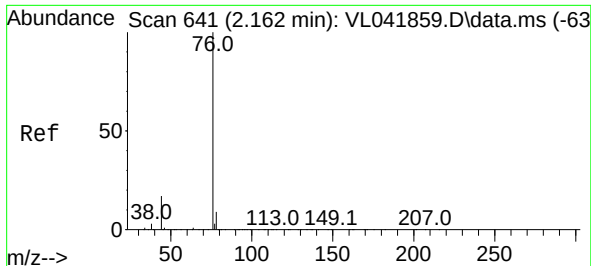
Tgt Ion:	43	Resp:	62927
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.4	12.6
61	10.4	7.3	10.9
70	9.4	7.0	10.6



#26
Hexane
Concen: 1.678 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:	57	Resp:	25792
Ion	Ratio	Lower	Upper
57	100		
41	95.7	71.5	107.3
43	245.4	200.2	300.4
56	56.8	42.2	63.4

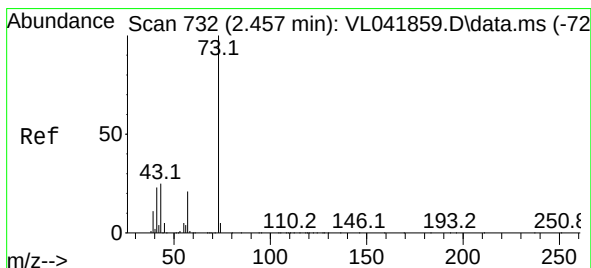
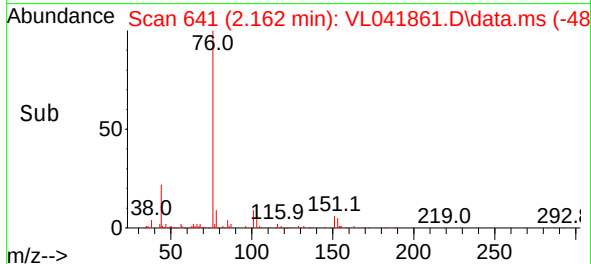
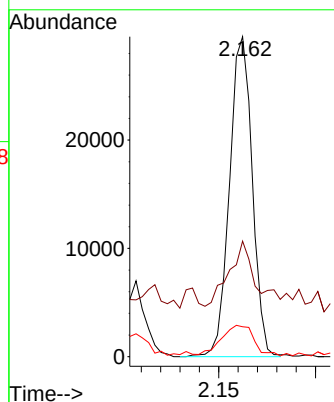
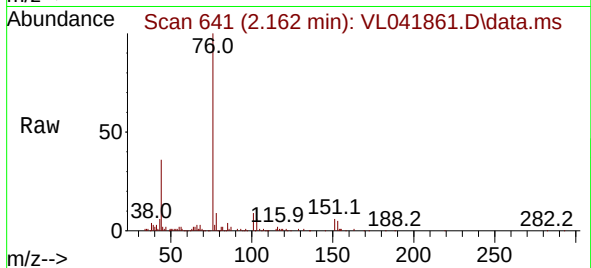




#27
Carbon Disulfide
Concen: 1.654 ppbv
RT: 2.162 min Scan# 641
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

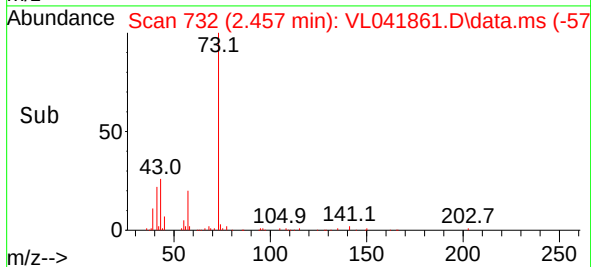
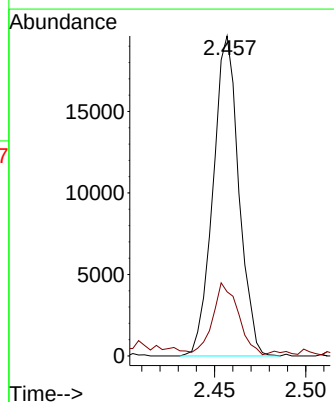
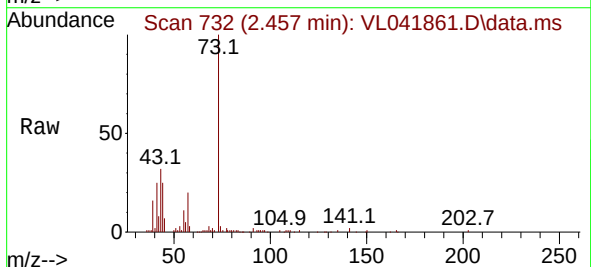
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

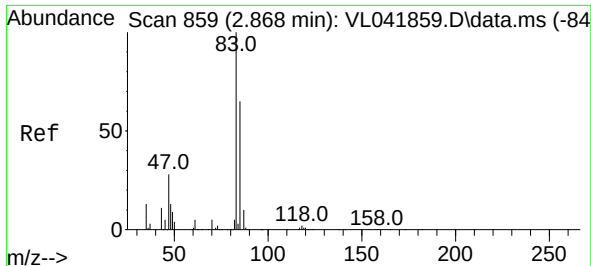
Tgt Ion: 76 Resp: 24132
Ion Ratio Lower Upper
76 100
44 64.7 13.1 19.7#
78 15.9 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 1.669 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 73 Resp: 19330
Ion Ratio Lower Upper
73 100
57 25.7 17.5 26.3





#29

Chloroform

Concen: 1.276 ppbv

RT: 2.865 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

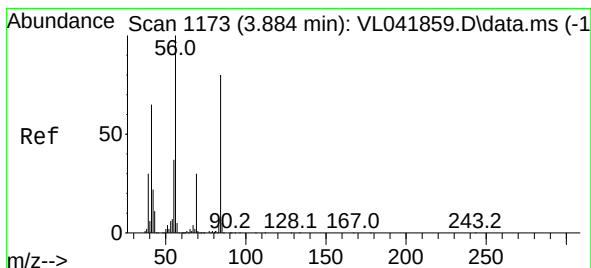
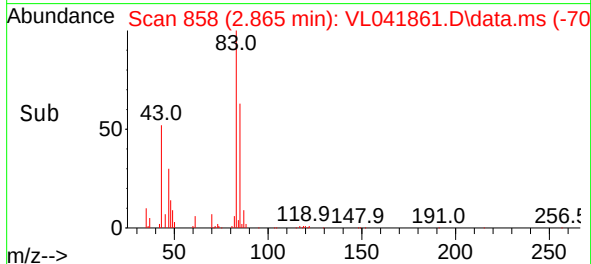
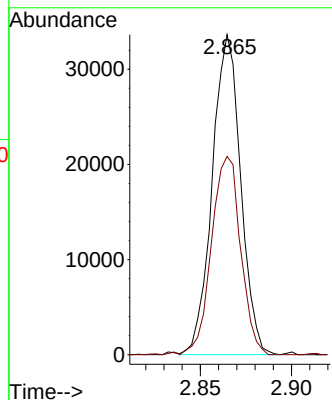
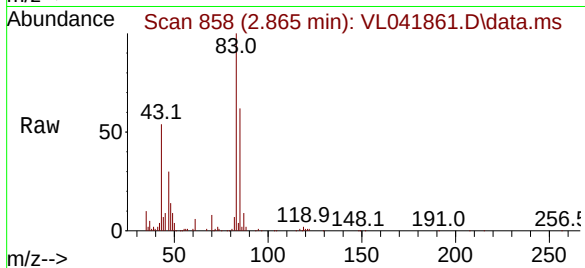
VSTDIC001

Tgt Ion: 83 Resp: 36445

Ion Ratio Lower Upper

83 100

85 62.0 51.7 77.5



#30

Cyclohexane

Concen: 1.870 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

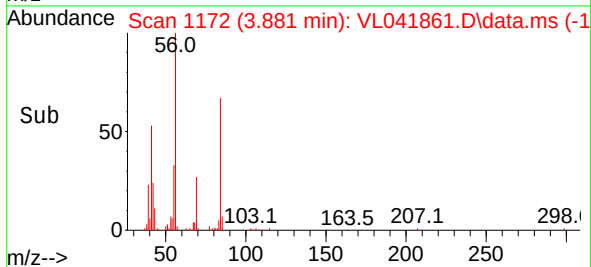
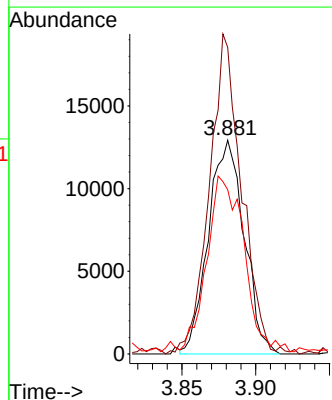
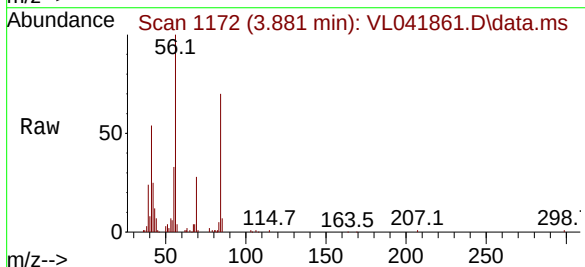
Tgt Ion: 84 Resp: 21797

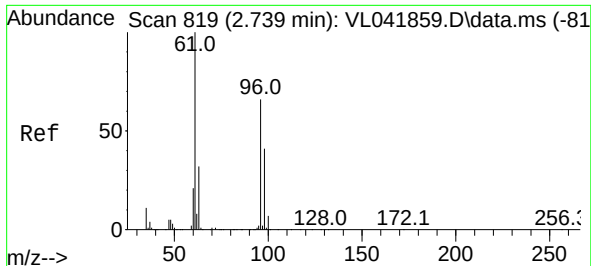
Ion Ratio Lower Upper

84 100

56 136.8 100.7 151.1

41 85.7 62.8 94.2

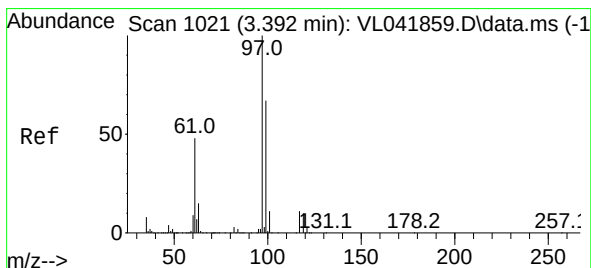
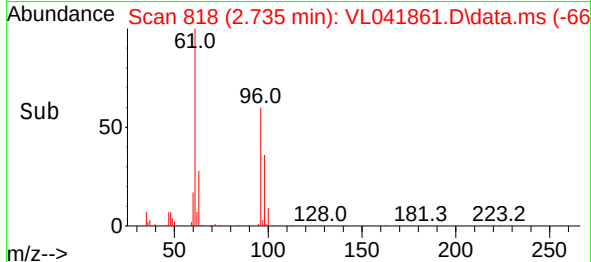
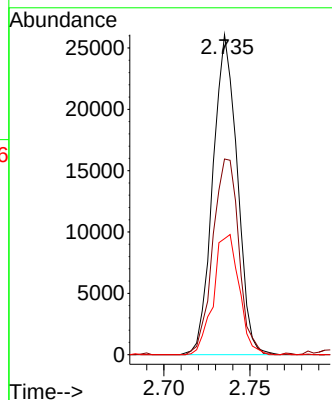
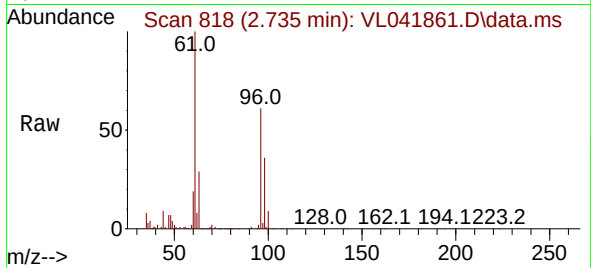




#31
 cis-1,2-Dichloroethene
 Concen: 1.626 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. -0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

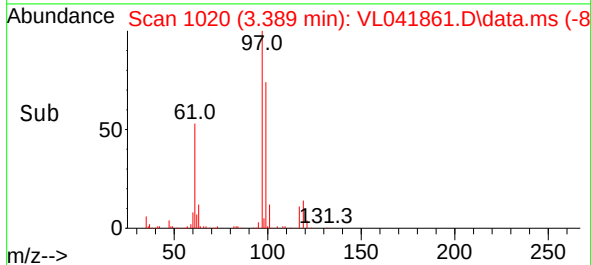
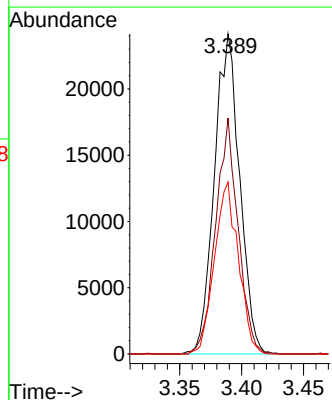
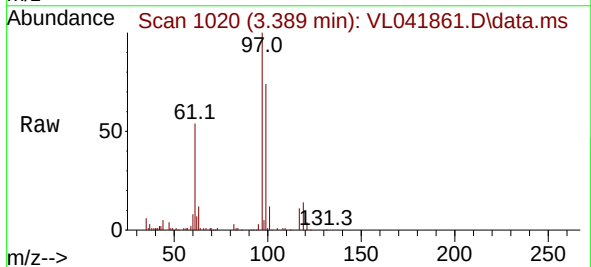
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

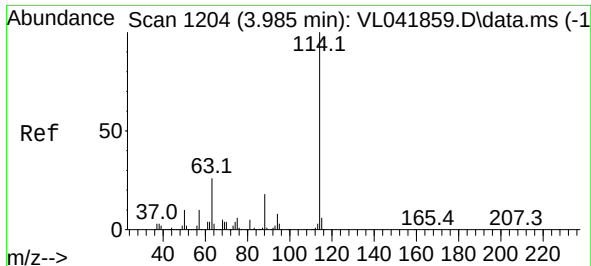
Tgt Ion: 61 Resp: 25721
 Ion Ratio Lower Upper
 61 100
 96 61.2 53.2 79.8
 98 36.3 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 1.327 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. -0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Tgt Ion: 97 Resp: 34347
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.0 78.0
 61 50.9 38.8 58.2

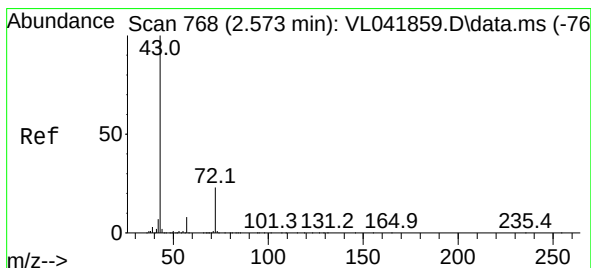
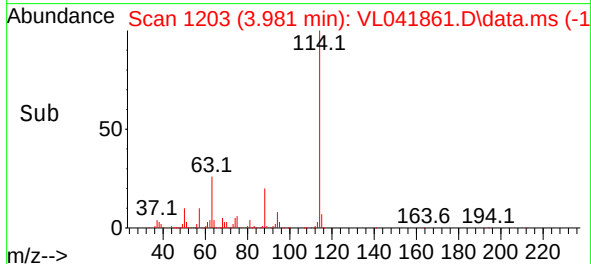
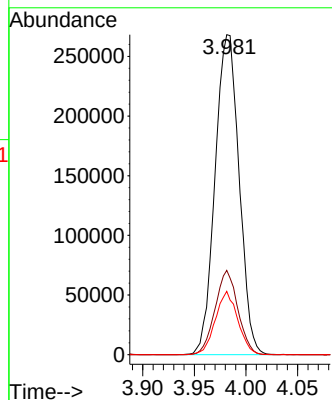
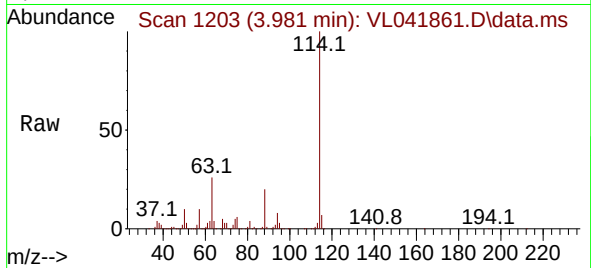




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.981 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

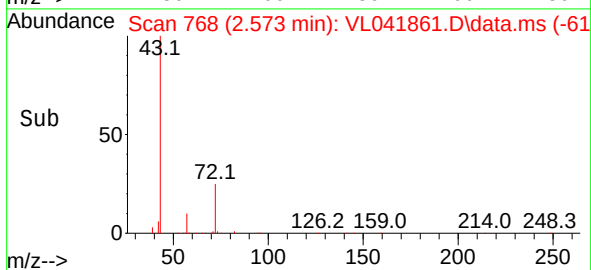
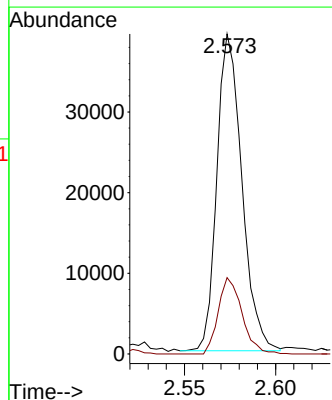
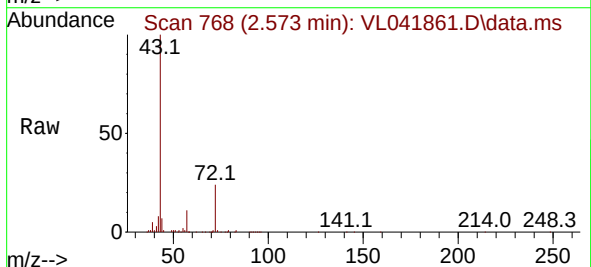
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

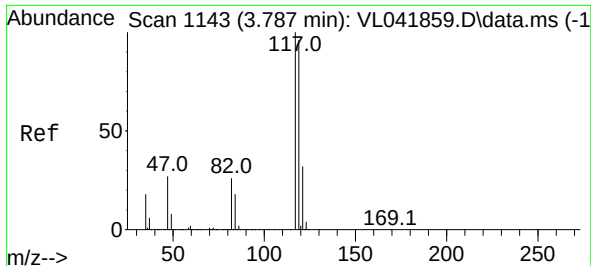
Tgt Ion:114 Resp: 434494
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.3 30.5
 88 18.5 14.6 21.8



#34
 2-Butanone
 Concen: 1.093 ppbv
 RT: 2.573 min Scan# 768
 Delta R.T. -0.000 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Tgt Ion: 43 Resp: 37395
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.5 27.7

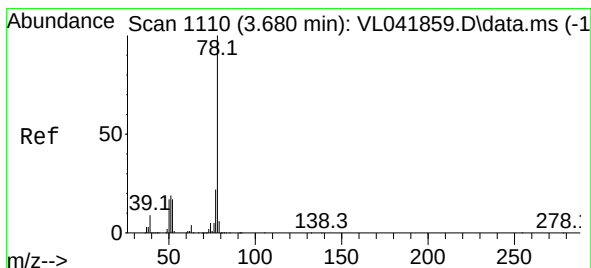
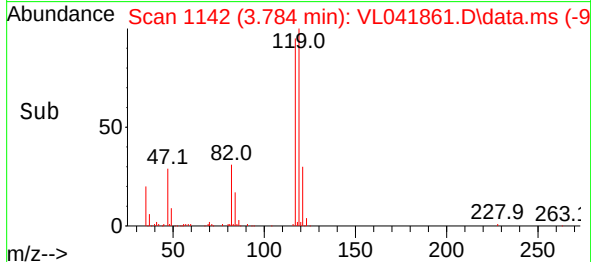
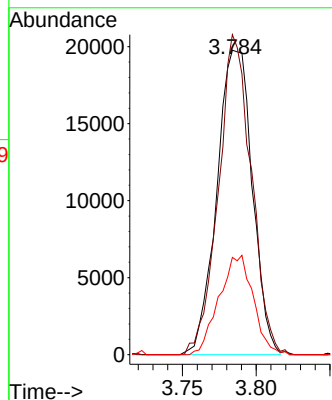
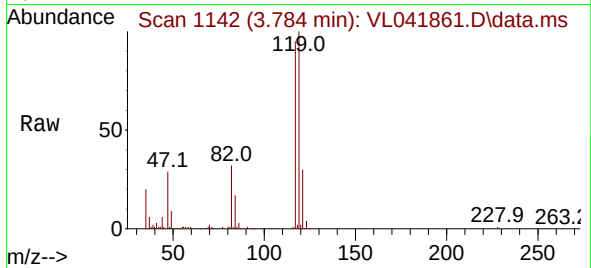




#35
Carbon Tetrachloride
Concen: 1.008 ppbv
RT: 3.784 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

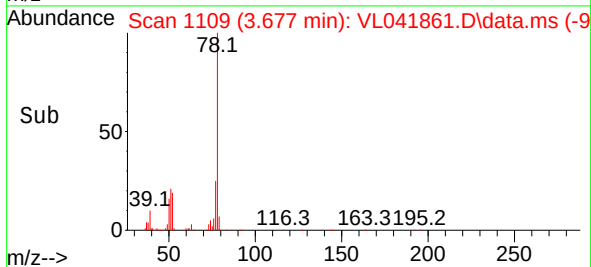
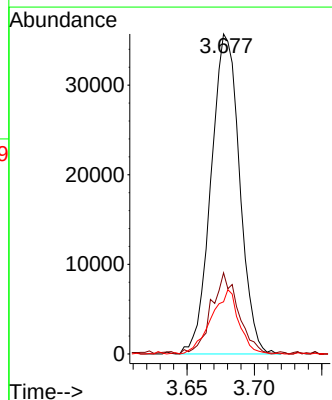
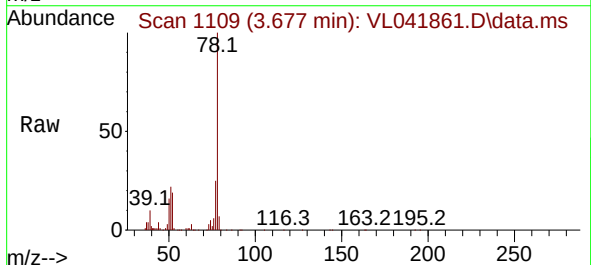
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

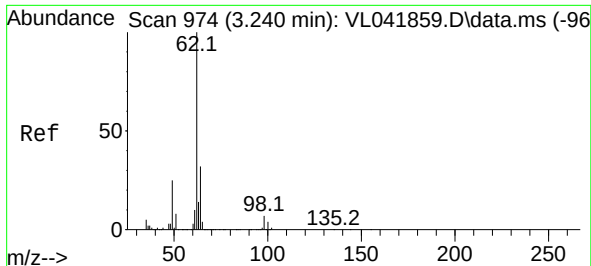
Tgt Ion:117 Resp: 33087
Ion Ratio Lower Upper
117 100
119 105.1 76.9 115.3
121 32.0 25.9 38.9



#36
Benzene
Concen: 1.268 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 78 Resp: 52621
Ion Ratio Lower Upper
78 100
77 25.2 17.9 26.9
50 16.3 13.7 20.5

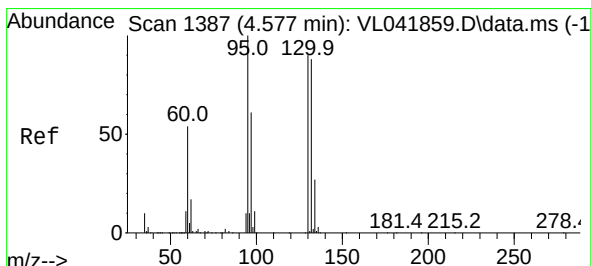
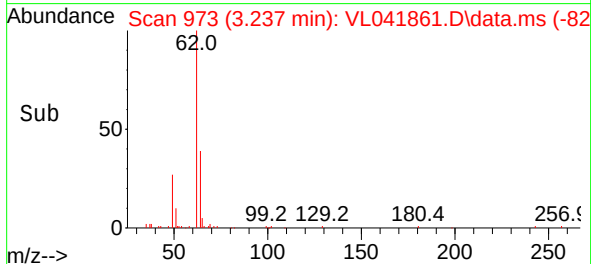
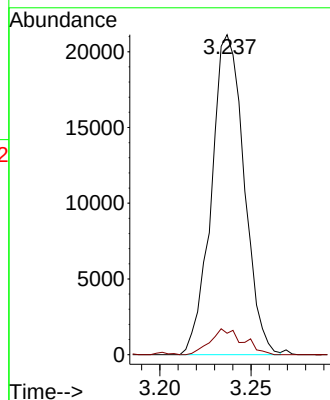
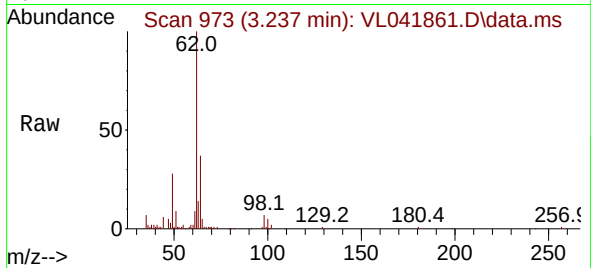




#37
1,2-Dichloroethane
Concen: 0.966 ppbv
RT: 3.237 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

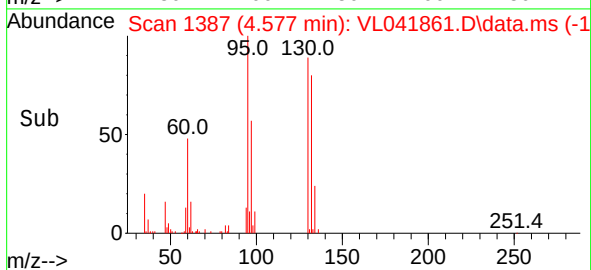
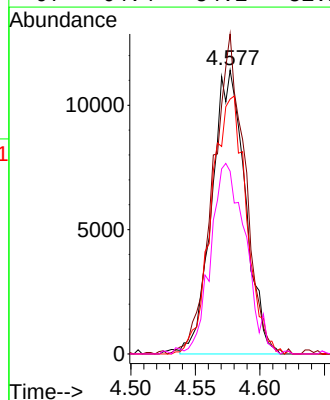
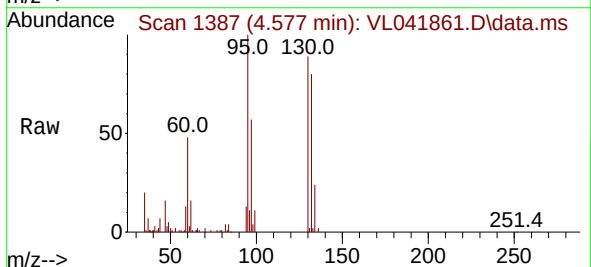
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

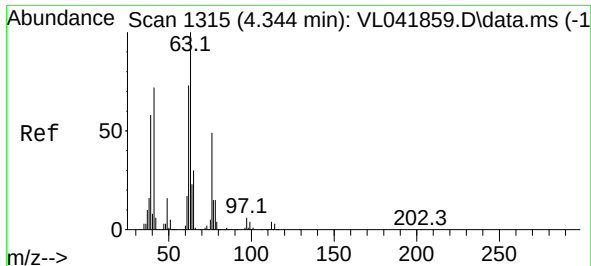
Tgt Ion: 62 Resp: 26348
Ion Ratio Lower Upper
62 100
98 8.4 5.6 8.4#



#38
Trichloroethene
Concen: 1.284 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:130 Resp: 20492
Ion Ratio Lower Upper
130 100
95 111.3 88.5 132.7
132 89.1 78.2 117.2
97 64.4 54.2 81.2





#39

1,2-Dichloropropane

Concen: 1.142 ppbv

RT: 4.341 min Scan# 1400

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

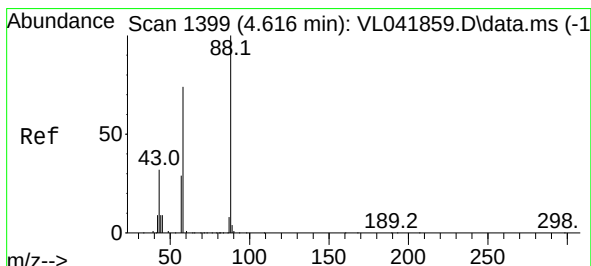
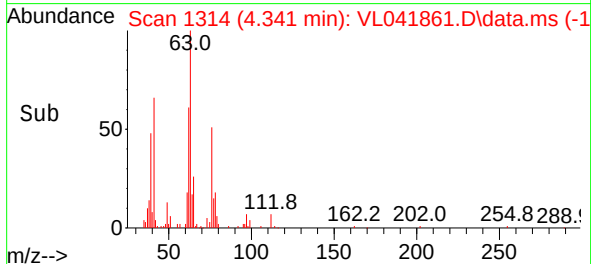
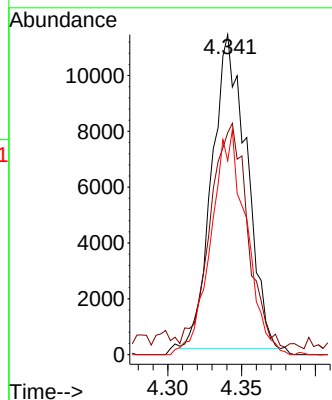
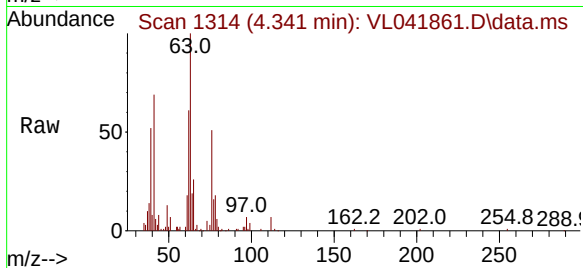
Tgt Ion: 63 Resp: 18342

Ion Ratio Lower Upper

63 100

41 67.7 58.0 87.0

62 60.4 58.6 87.8



#40

1,4-Dioxane

Concen: 0.844 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.006 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion: 88 Resp: 5243

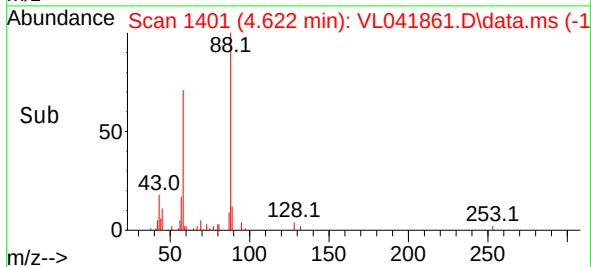
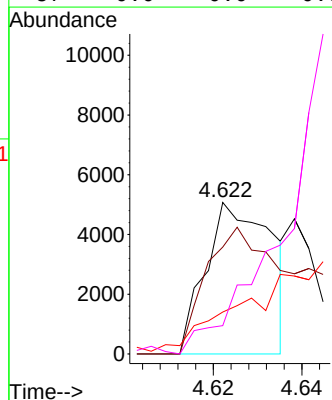
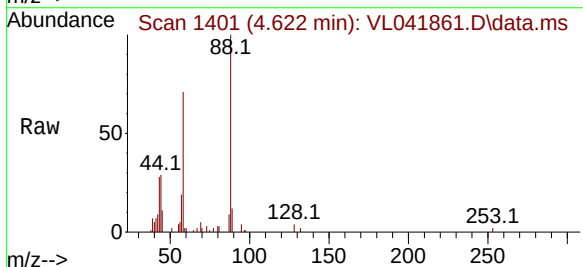
Ion Ratio Lower Upper

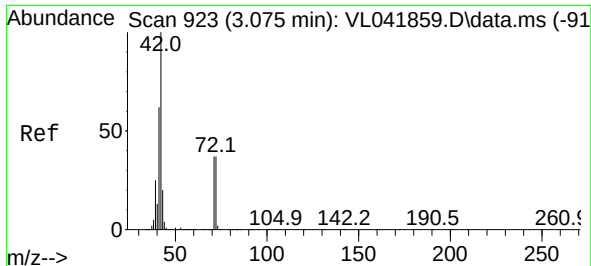
88 100

58 221.4 52.2 78.4#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

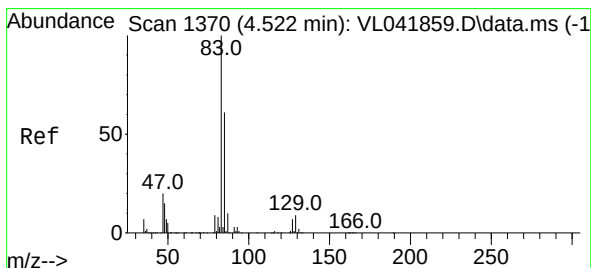
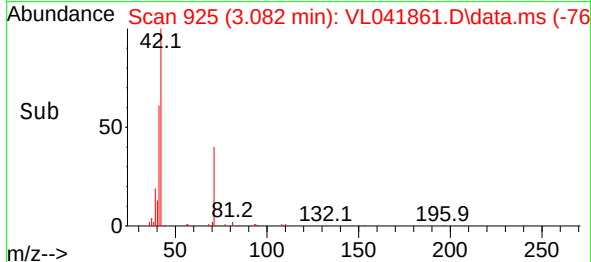
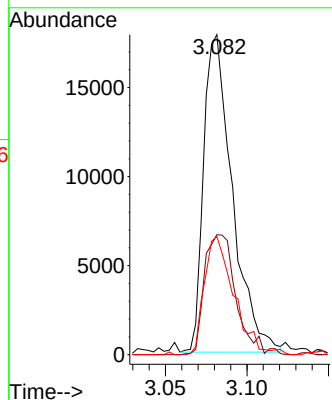
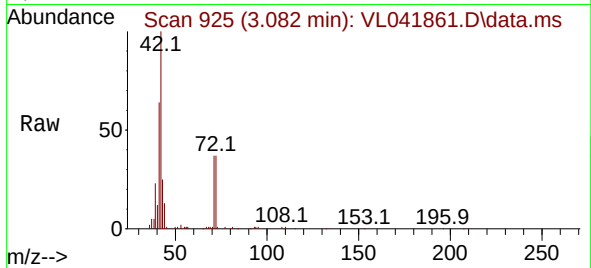




#41
Tetrahydrofuran
Concen: 1.352 ppbv
RT: 3.082 min Scan# 91
Delta R.T. 0.006 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

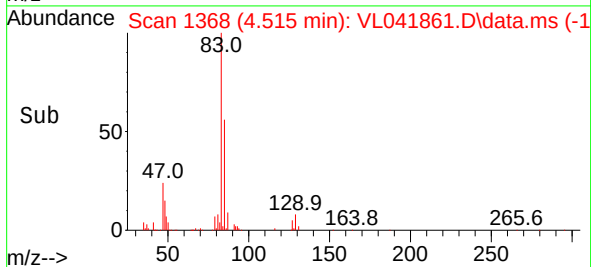
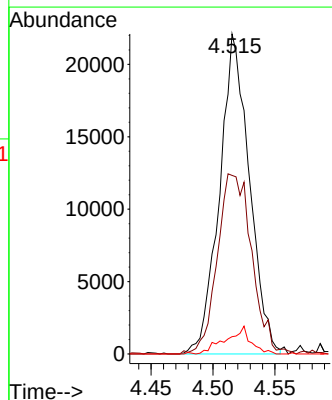
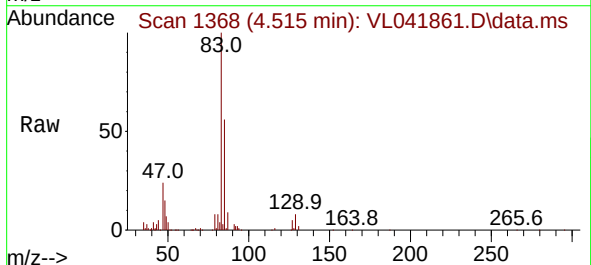
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

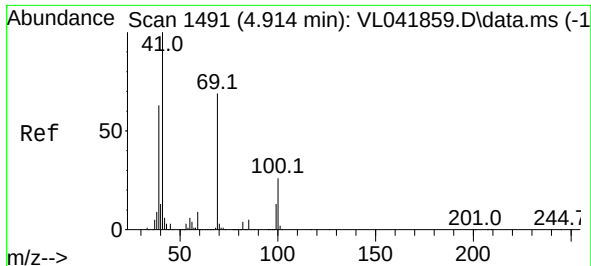
Tgt Ion:	42	Resp:	21802
Ion	Ratio	Lower	Upper
42	100		
72	41.7	30.8	46.2
71	38.7	30.1	45.1



#42
Bromodichloromethane
Concen: 1.158 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:	83	Resp:	37075
Ion	Ratio	Lower	Upper
83	100		
85	55.8	48.9	73.3
127	5.4	5.4	8.2





#43

Methyl Methacrylate

Concen: 1.610 ppbv

RT: 4.913 min Scan# 1491

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

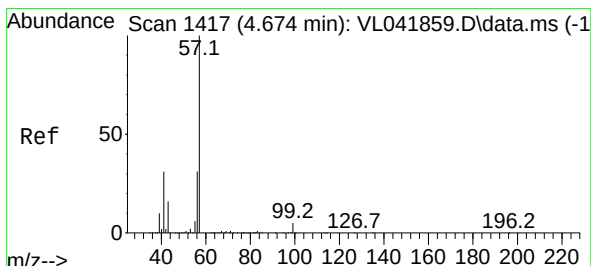
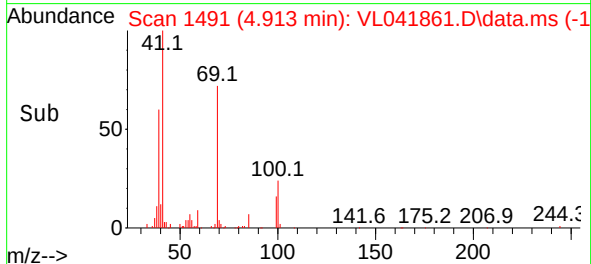
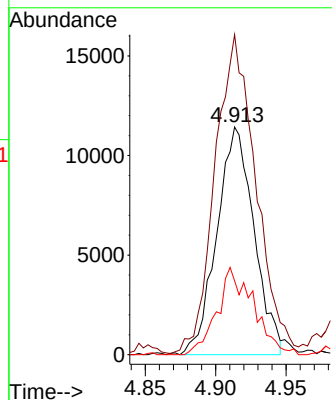
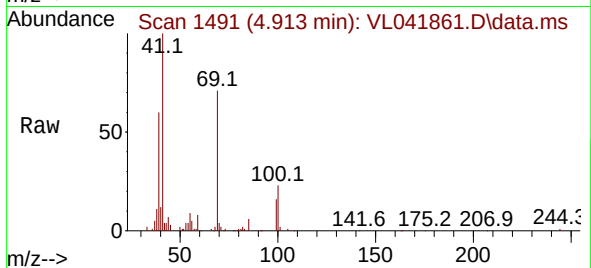
Tgt Ion: 69 Resp: 20990

Ion Ratio Lower Upper

69 100

41 153.4 116.2 174.4

100 37.8 29.8 44.8



#44

2,2,4-Trimethylpentane

Concen: 1.302 ppbv

RT: 4.671 min Scan# 1416

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

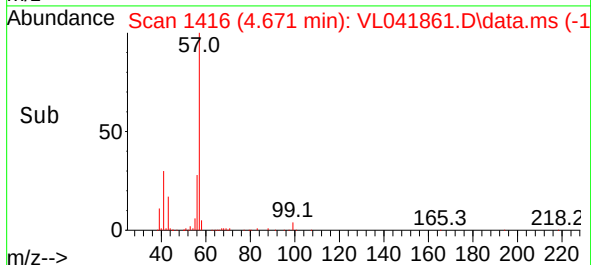
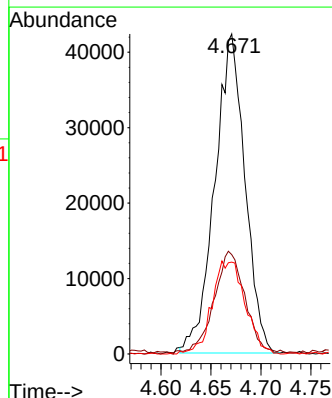
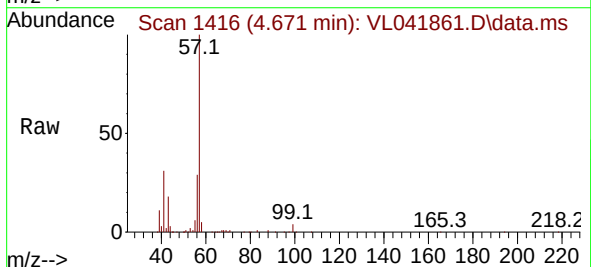
Tgt Ion: 57 Resp: 89035

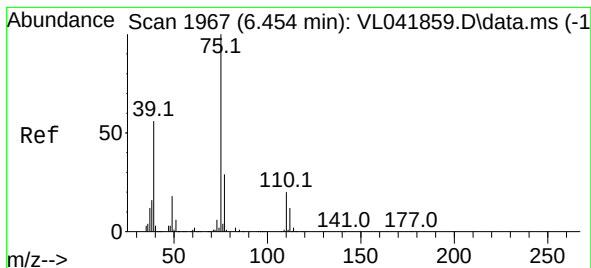
Ion Ratio Lower Upper

57 100

41 31.9 25.5 38.3

56 31.9 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 1.611 ppbv

RT: 6.448 min Scan# 1965

Delta R.T. -0.007 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_1

ClientSampleId :

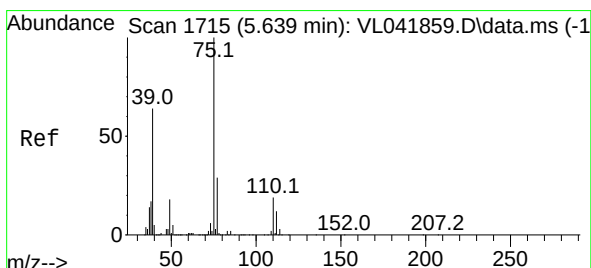
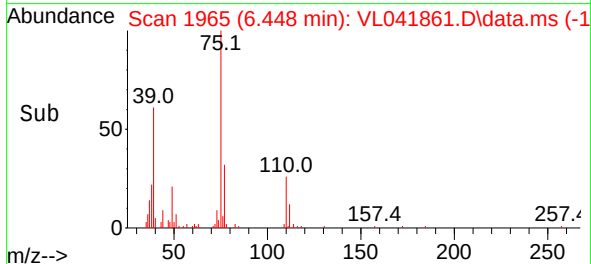
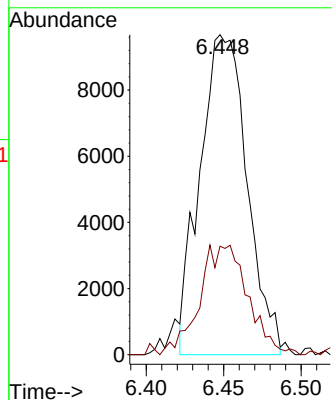
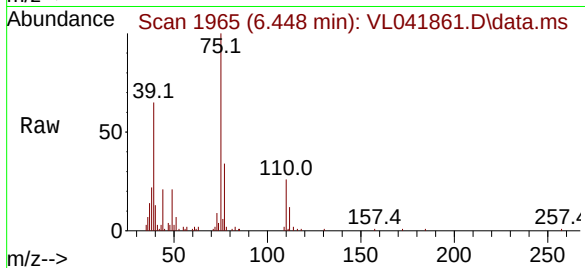
VSTDIC001

Tgt Ion: 75 Resp: 20502

Ion Ratio Lower Upper

75 100

77 33.9 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 1.071 ppbv

RT: 5.635 min Scan# 1714

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

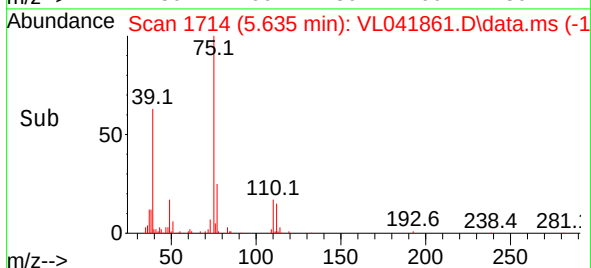
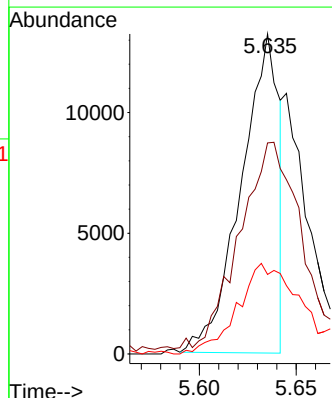
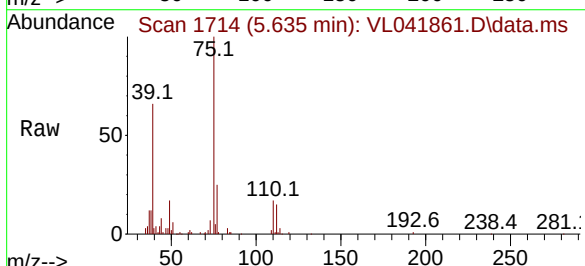
Tgt Ion: 75 Resp: 17954

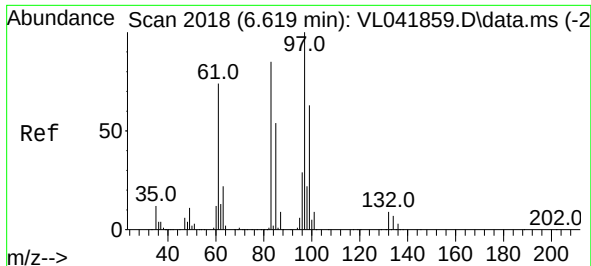
Ion Ratio Lower Upper

75 100

39 64.4 51.4 77.2

77 25.0 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 1.157 ppbv

RT: 6.619 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 19621

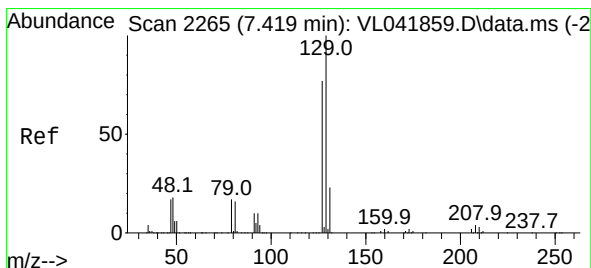
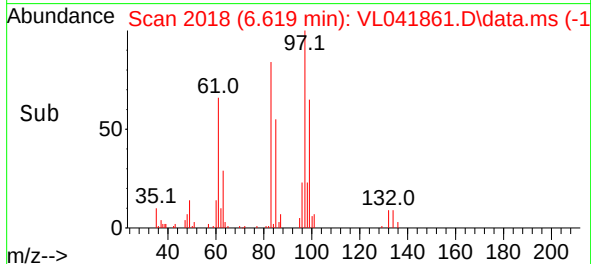
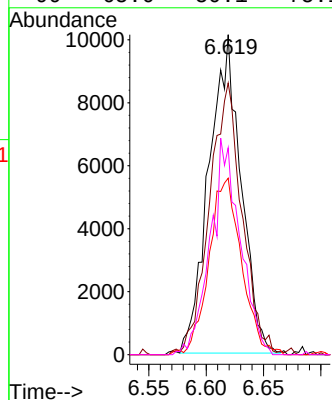
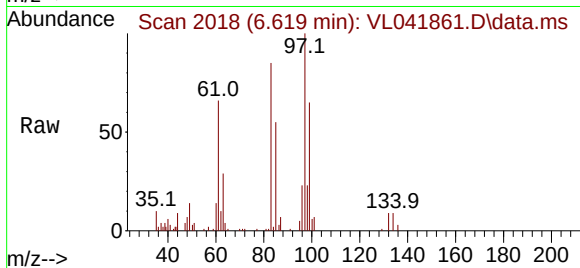
Ion Ratio Lower Upper

97 100

83 84.4 68.1 102.1

85 54.0 43.4 65.2

99 65.0 50.1 75.1



#48

Dibromochloromethane

Concen: 0.726 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. -0.007 min

Lab File: VL041861.D

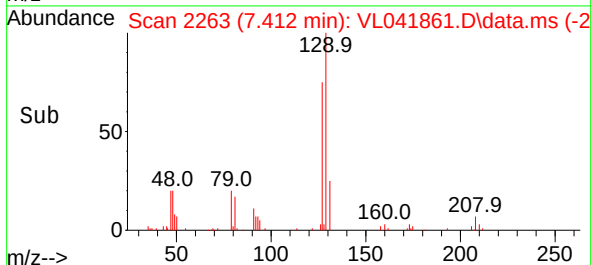
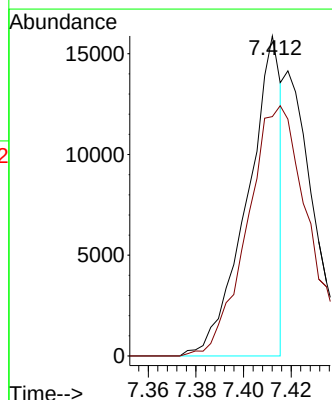
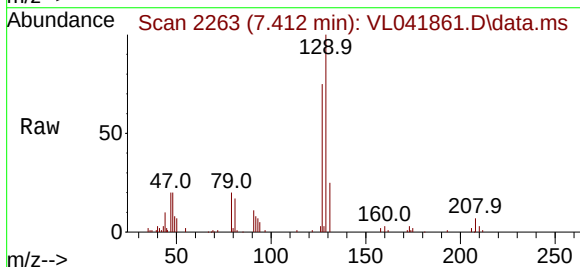
Acq: 09 Jan 2025 12:22

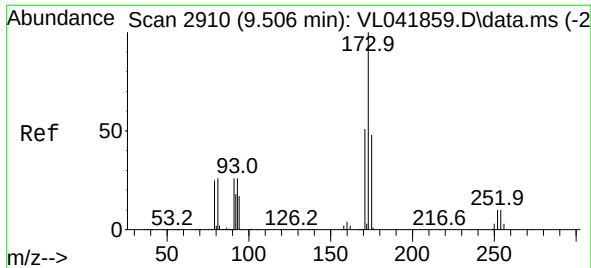
Tgt Ion: 129 Resp: 15685

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.1#





#49

Bromoform

Concen: 1.418 ppbv

RT: 9.503 min Scan# 2910

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

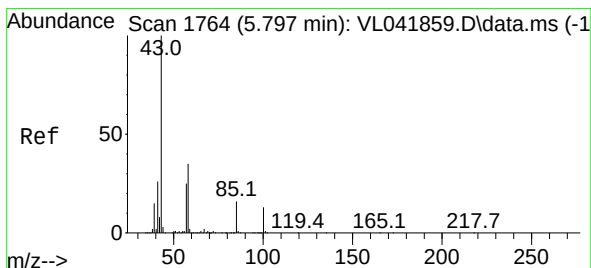
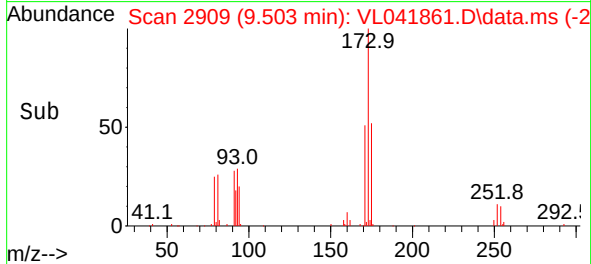
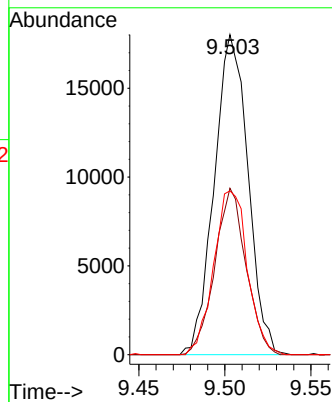
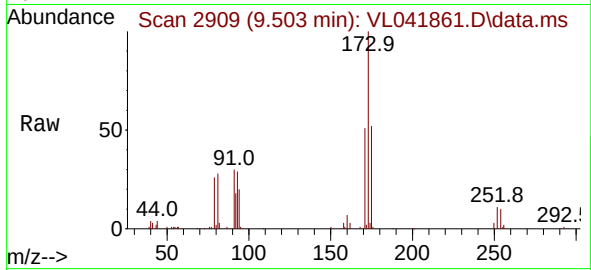
Tgt Ion:173 Resp: 24569

Ion Ratio Lower Upper

173 100

175 48.3 38.2 57.2

171 51.2 41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 0.732 ppbv

RT: 5.800 min Scan# 1765

Delta R.T. 0.003 min

Lab File: VL041861.D

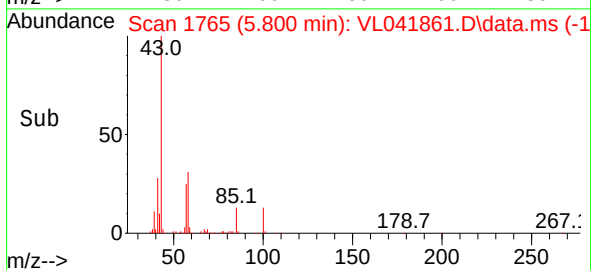
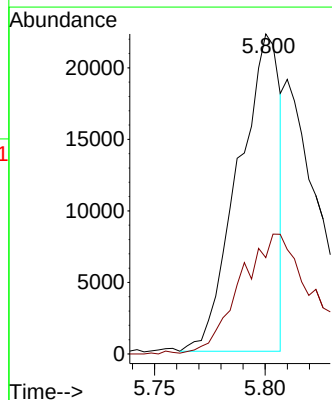
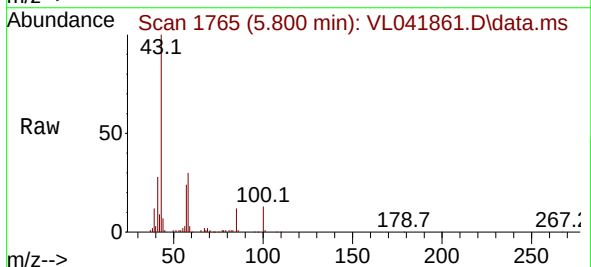
Acq: 09 Jan 2025 12:22

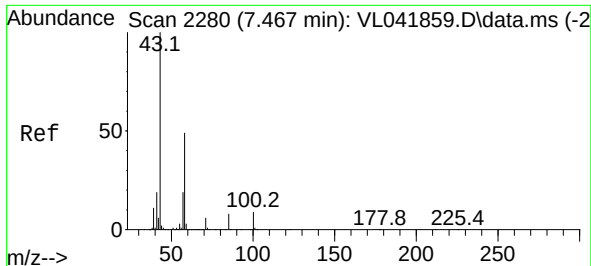
Tgt Ion: 43 Resp: 28971

Ion Ratio Lower Upper

43 100

58 67.8 29.4 44.2#

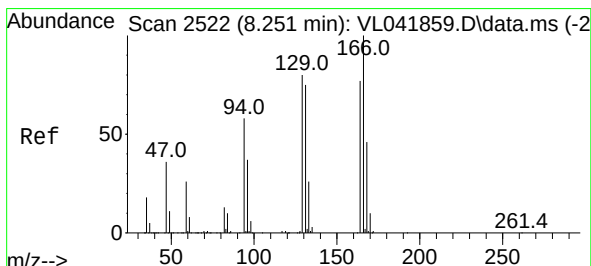
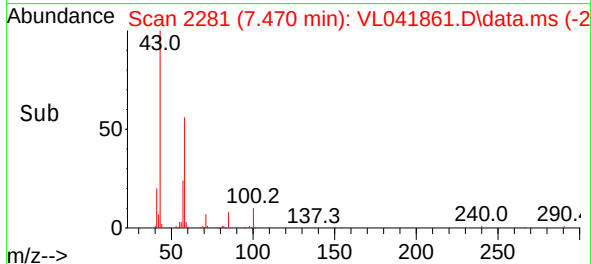
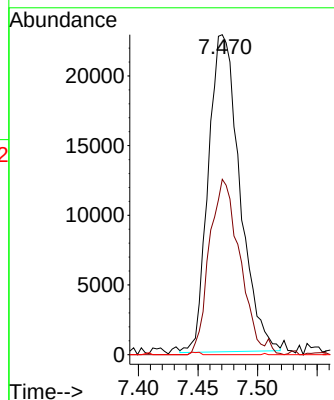
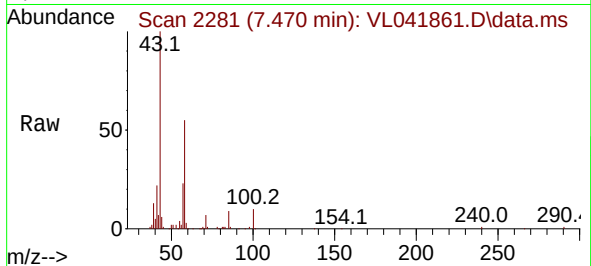




#51
2-Hexanone
Concen: 1.395 ppbv
RT: 7.470 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

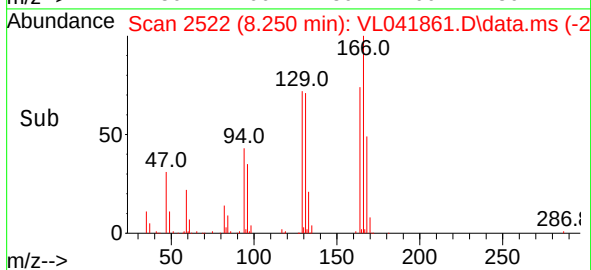
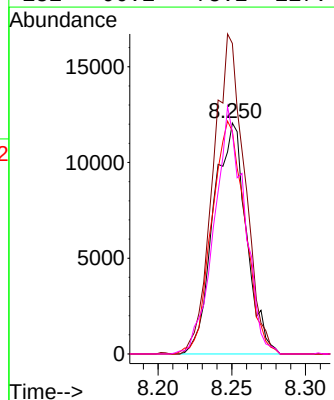
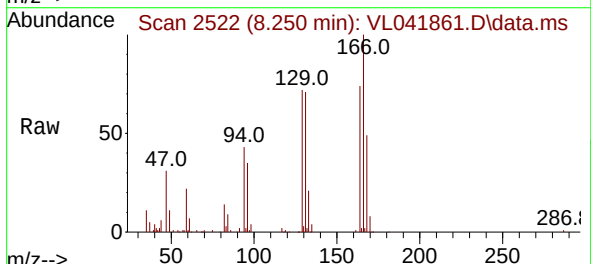
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

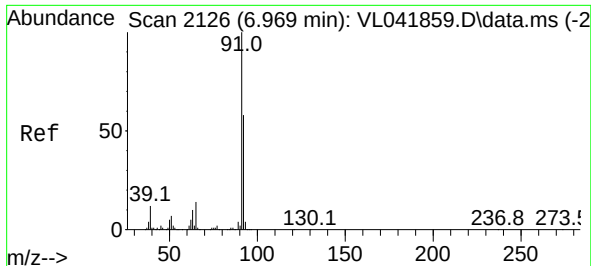
Tgt Ion: 43 Resp: 41781
Ion Ratio Lower Upper
43 100
58 54.2 40.0 60.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.517 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 164 Resp: 18665
Ion Ratio Lower Upper
164 100
166 134.5 103.6 155.4
129 96.5 82.6 123.8
131 96.1 78.2 117.4

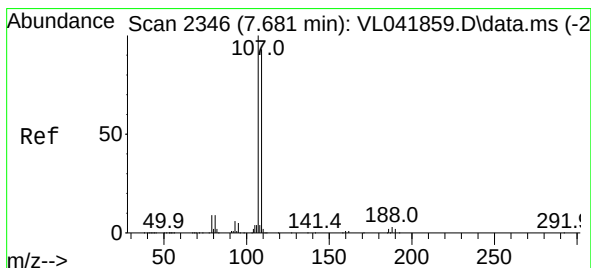
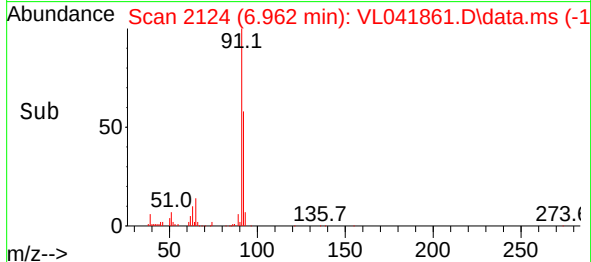
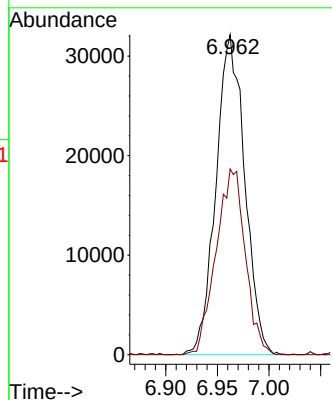
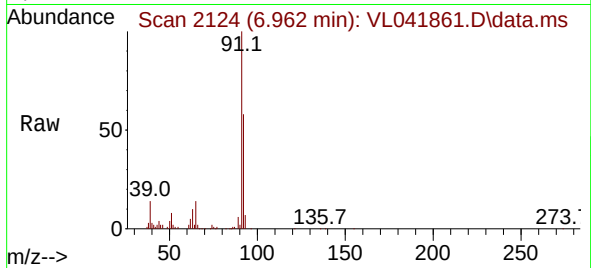




#53
Toluene
Concen: 1.686 ppbv
RT: 6.962 min Scan# 2124
Delta R.T. -0.007 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

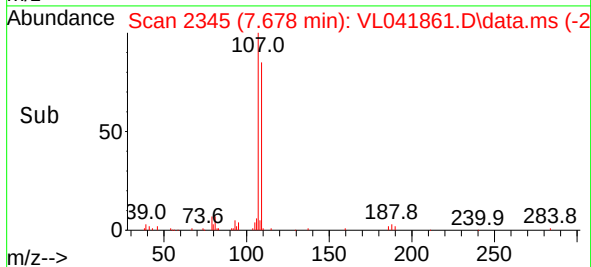
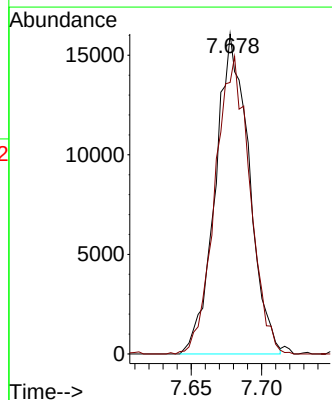
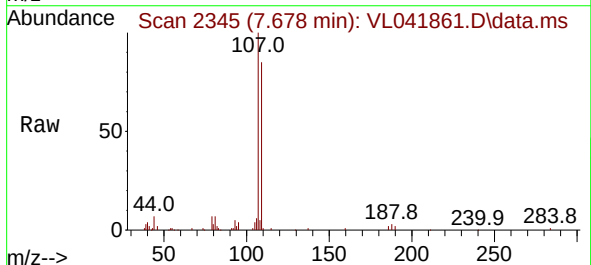
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

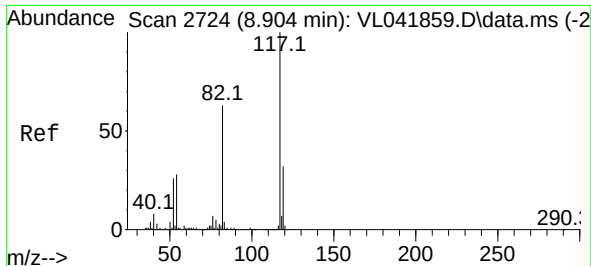
Tgt Ion: 91 Resp: 62304
Ion Ratio Lower Upper
91 100
92 59.1 47.2 70.8



#54
1,2-Dibromoethane
Concen: 1.287 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 107 Resp: 26769
Ion Ratio Lower Upper
107 100
109 84.1 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

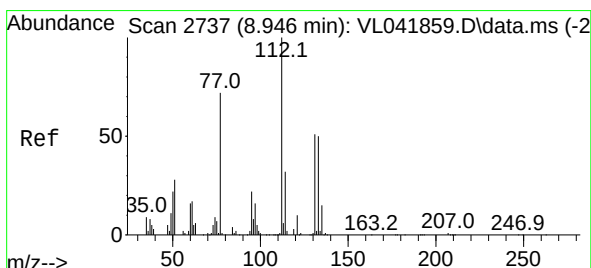
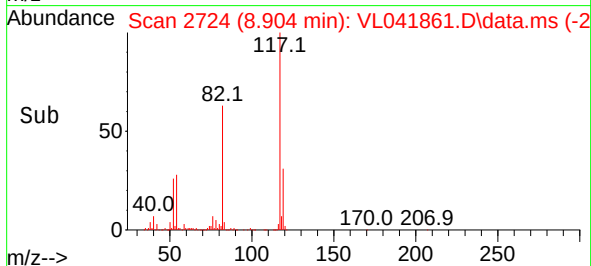
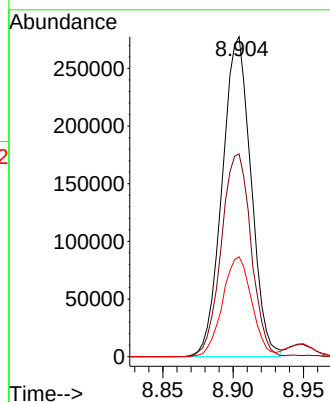
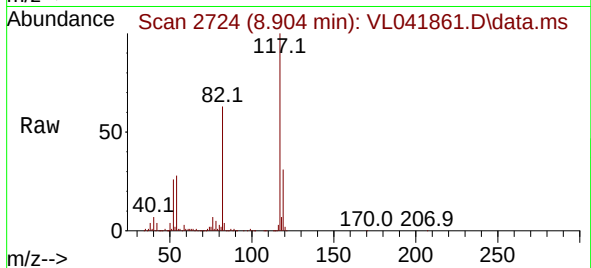
Tgt Ion:117 Resp: 394905

Ion Ratio Lower Upper

117 100

82 66.0 54.5 81.7

119 32.7 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 1.079 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

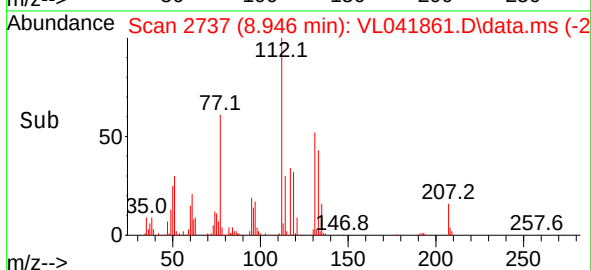
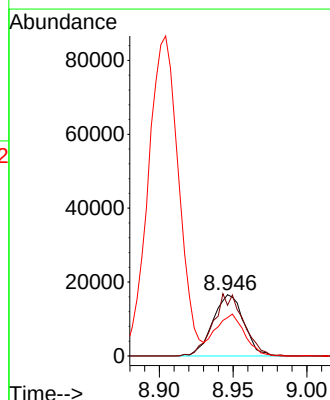
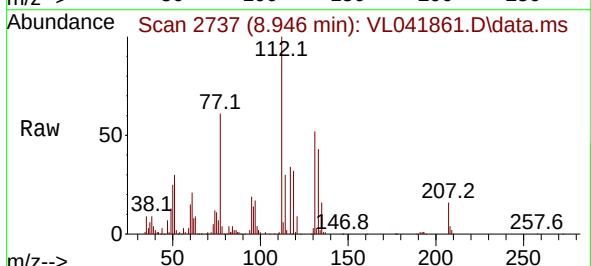
Tgt Ion:131 Resp: 24293

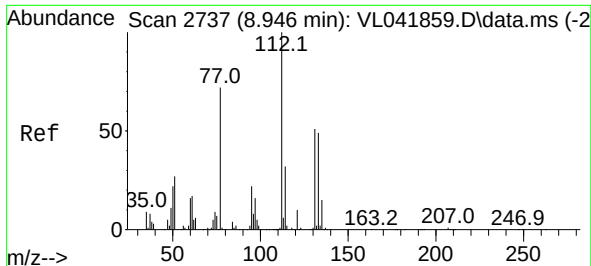
Ion Ratio Lower Upper

131 100

133 99.0 77.4 116.2

119 59.9 49.4 74.0

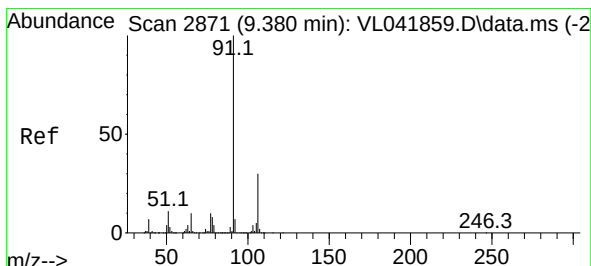
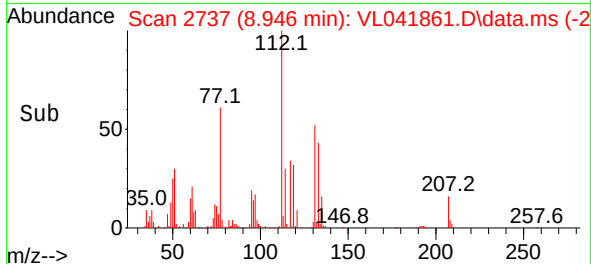
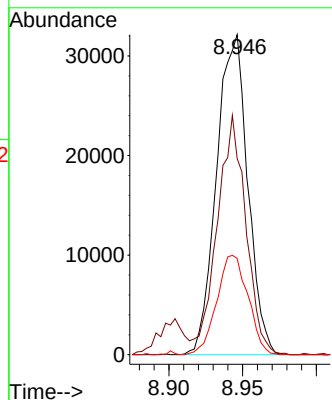
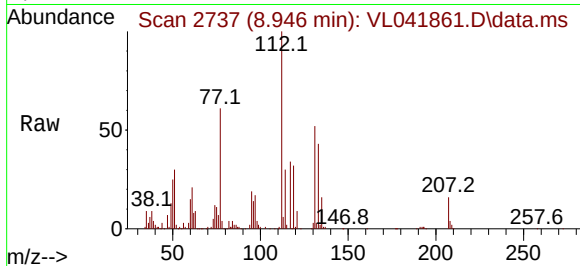




#57
Chlorobenzene
Concen: 1.146 ppbv
RT: 8.946 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

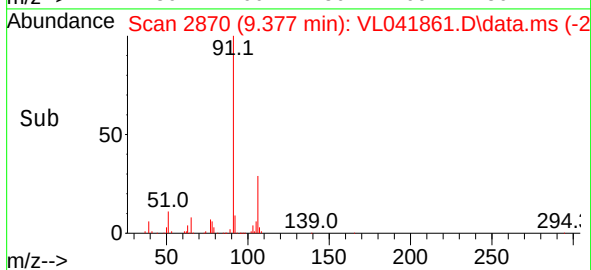
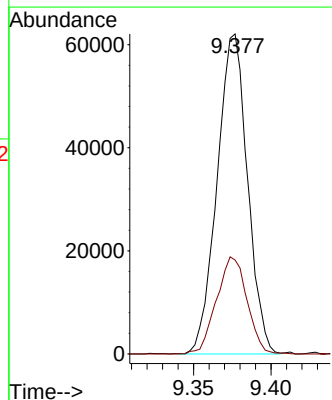
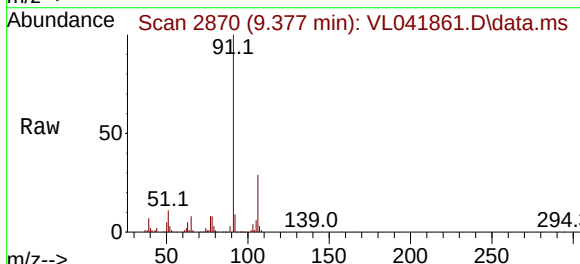
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

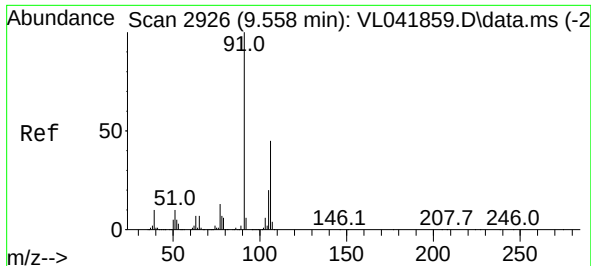
Tgt Ion:112 Resp: 47288
Ion Ratio Lower Upper
112 100
77 60.9 58.3 87.5
114 30.1 28.9 35.3



#58
Ethyl Benzene
Concen: 1.575 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 84795
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.2





#59

m/p-Xylene

Concen: 1.512 ppbv

RT: 9.552 min Scan# 2926

Delta R.T. -0.007 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

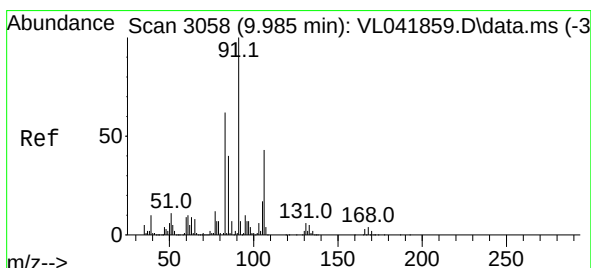
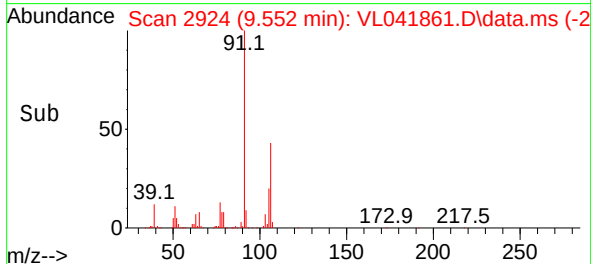
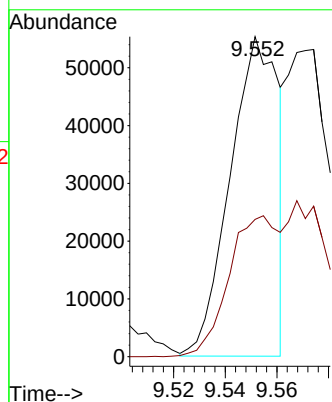
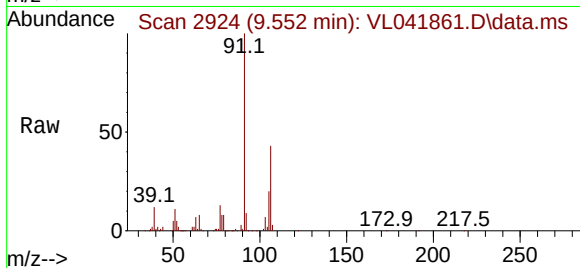
VSTDIC001

Tgt Ion: 91 Resp: 71678

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 1.460 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. -0.003 min

Lab File: VL041861.D

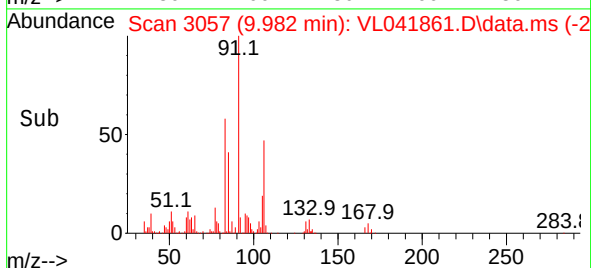
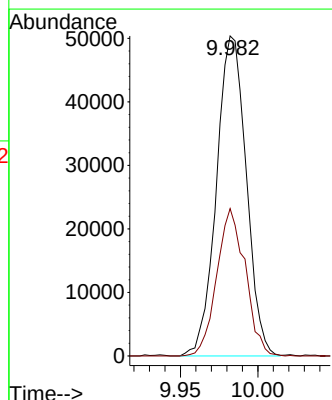
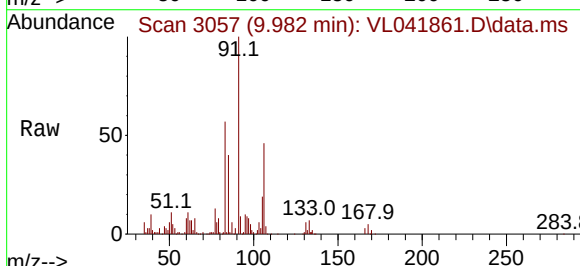
Acq: 09 Jan 2025 12:22

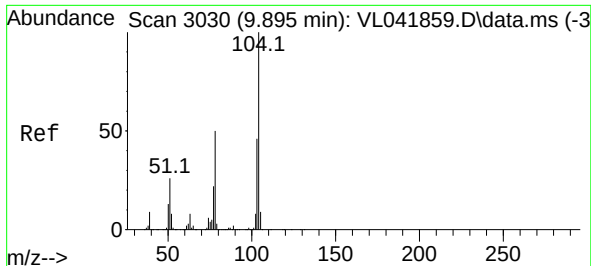
Tgt Ion: 91 Resp: 67480

Ion Ratio Lower Upper

91 100

106 43.9 21.4 64.3

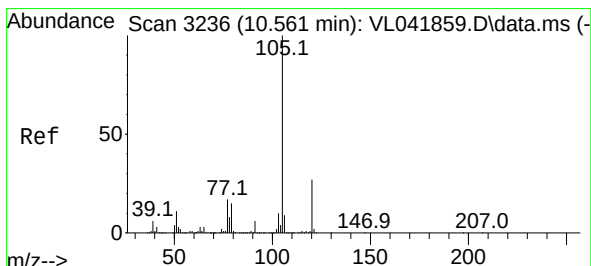
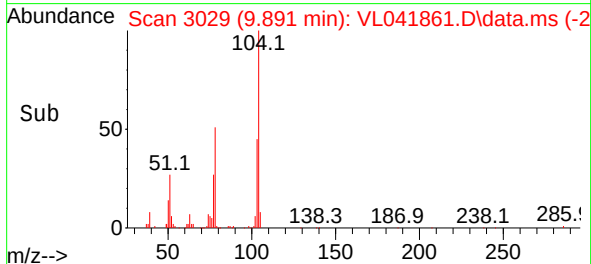
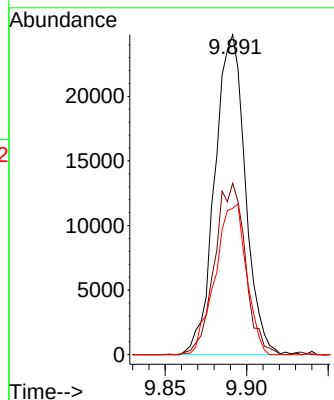
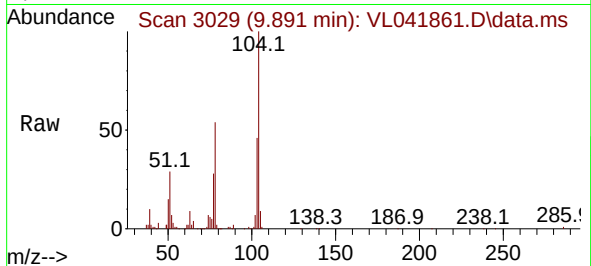




#61
Styrene
Concen: 1.795 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

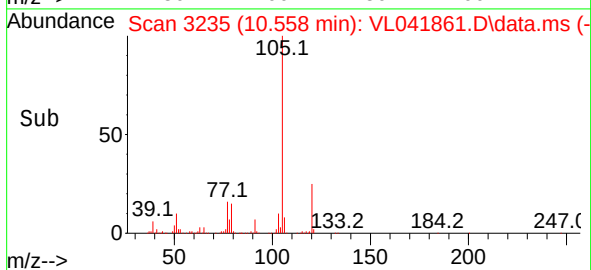
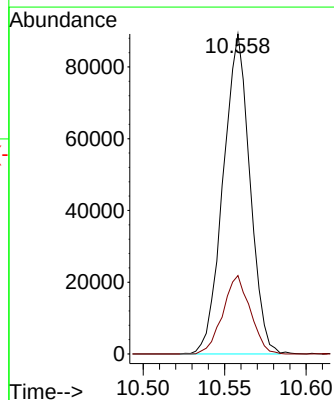
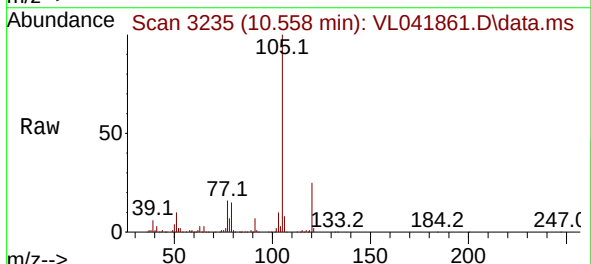
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

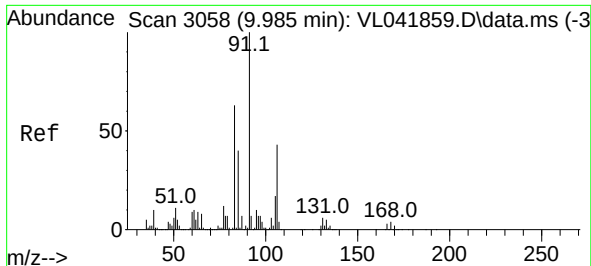
Tgt Ion:104 Resp: 32180
Ion Ratio Lower Upper
104 100
78 54.2 40.7 61.1
103 48.2 37.0 55.6



#62
Isopropylbenzene
Concen: 1.402 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 101824
Ion Ratio Lower Upper
105 100
120 25.0 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.966 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

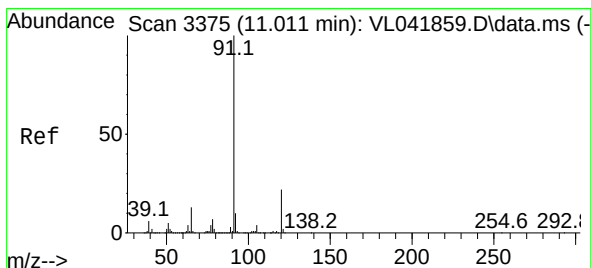
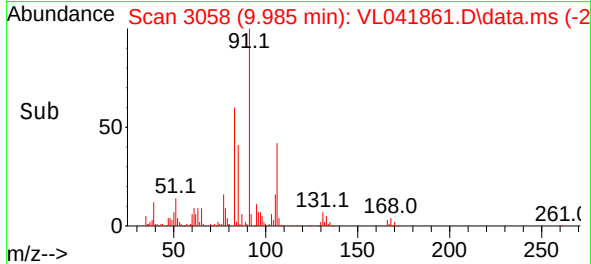
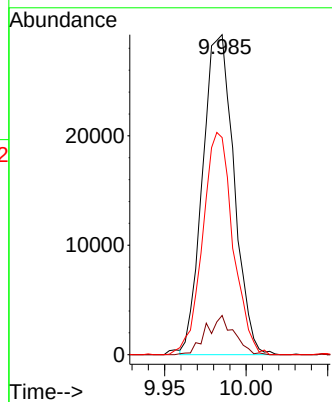
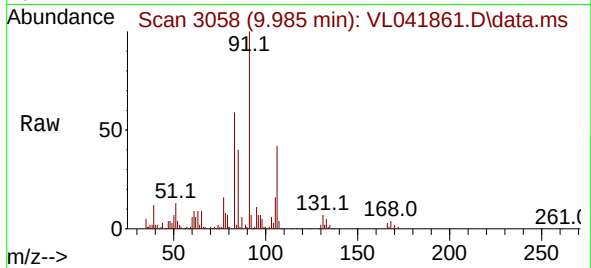
Tgt Ion: 83 Resp: 39140

Ion Ratio Lower Upper

83 100

131 10.8 4.8 14.3

85 67.1 32.1 96.3



#64

n-propylbenzene

Concen: 1.430 ppbv

RT: 11.008 min Scan# 3374

Delta R.T. -0.003 min

Lab File: VL041861.D

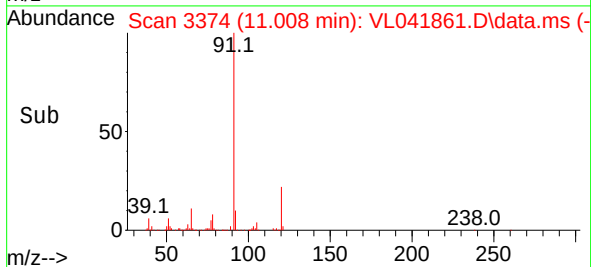
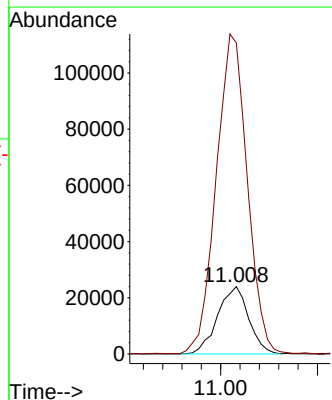
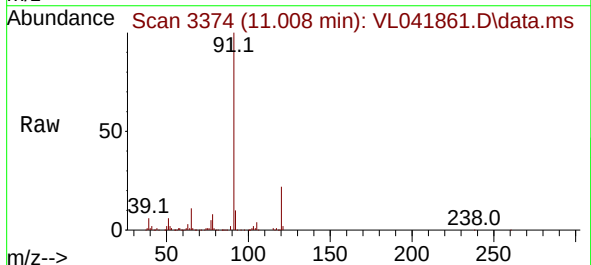
Acq: 09 Jan 2025 12:22

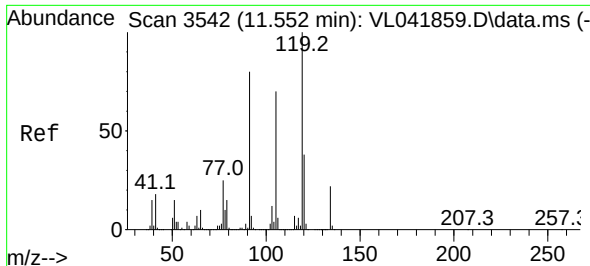
Tgt Ion:120 Resp: 26642

Ion Ratio Lower Upper

120 100

91 477.7 376.9 565.3

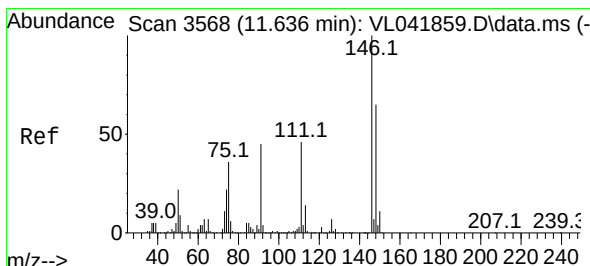
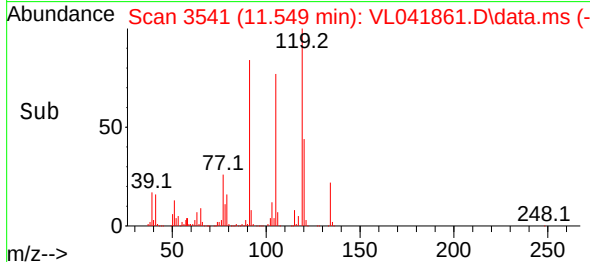
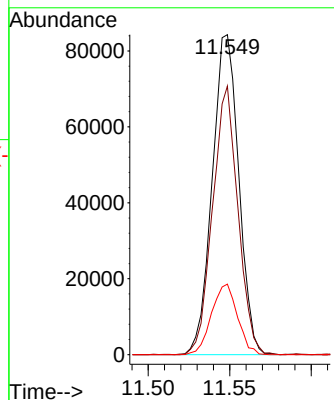
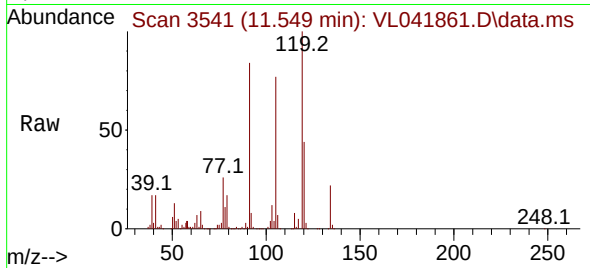




#65
tert-Butylbenzene
Concen: 1.457 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

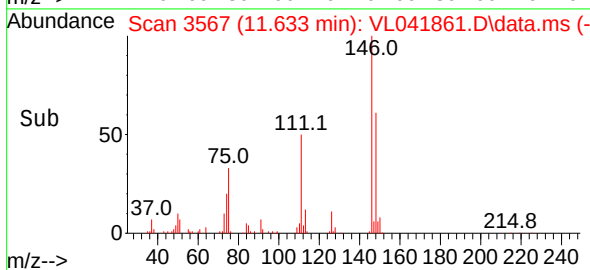
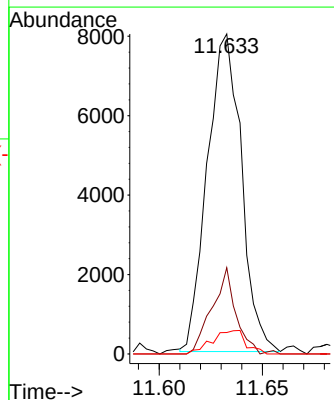
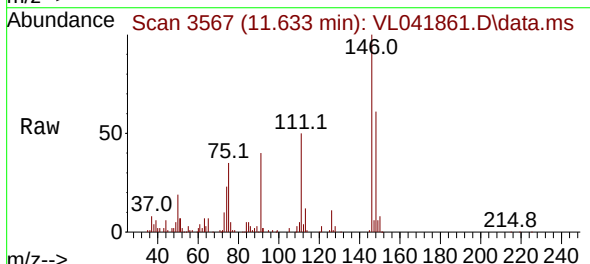
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

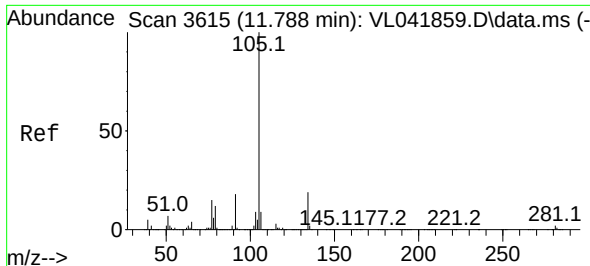
Tgt Ion:119 Resp: 95303
Ion Ratio Lower Upper
119 100
91 80.1 64.6 97.0
134 21.6 16.9 25.3



#66
Benzyl Chloride
Concen: 1.675 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion: 91 Resp: 9179
Ion Ratio Lower Upper
91 100
126 19.2 13.9 20.9
128 7.4 4.8 7.2#





#67

sec-Butylbenzene

Concen: 1.365 ppbv

RT: 11.785 min Scan# 3614

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

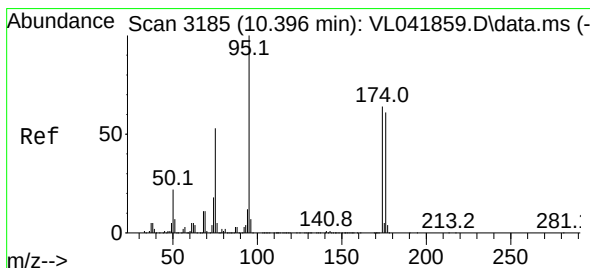
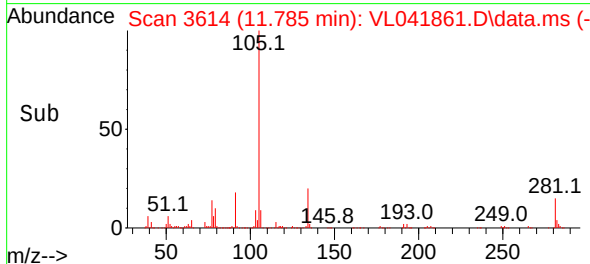
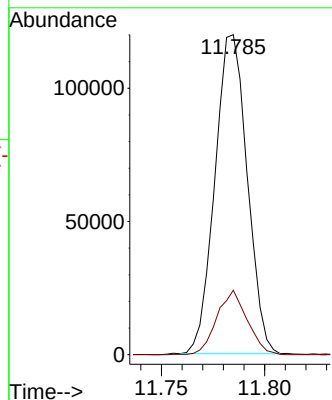
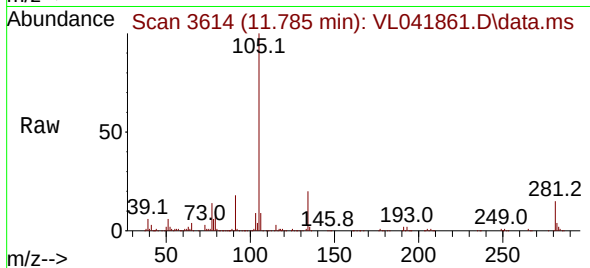
VSTDIC001

Tgt Ion:105 Resp: 130334

Ion Ratio Lower Upper

105 100

134 19.0 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.381 ppbv

RT: 10.393 min Scan# 3184

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

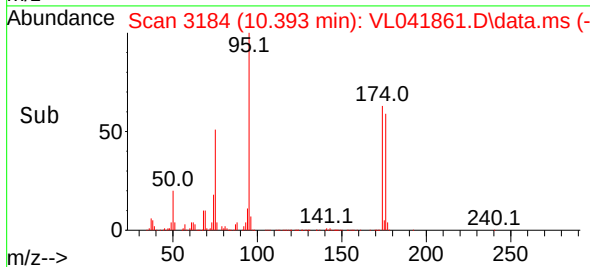
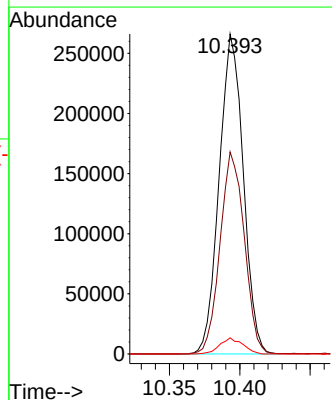
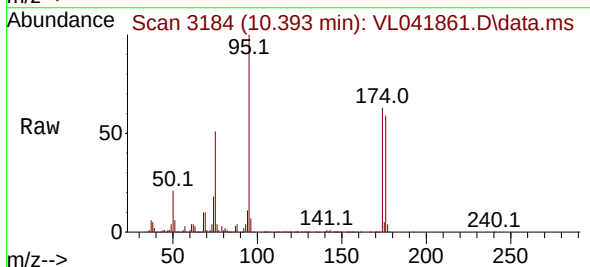
Tgt Ion: 95 Resp: 317281

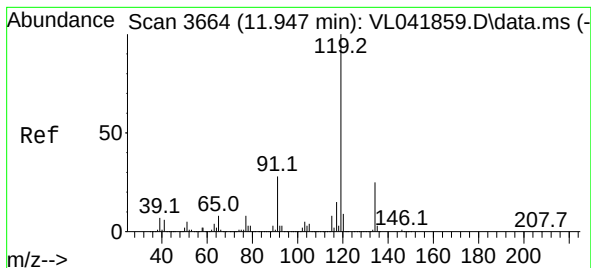
Ion Ratio Lower Upper

95 100

174 63.5 51.1 76.7

175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 1.498 ppbv

RT: 11.943 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

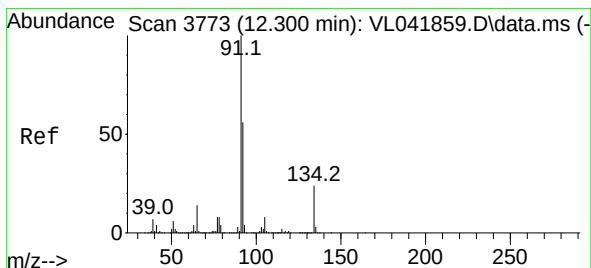
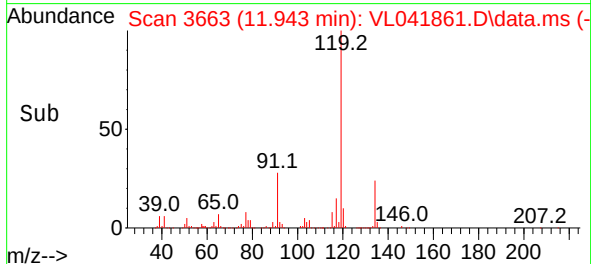
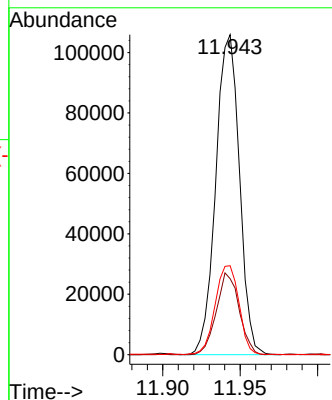
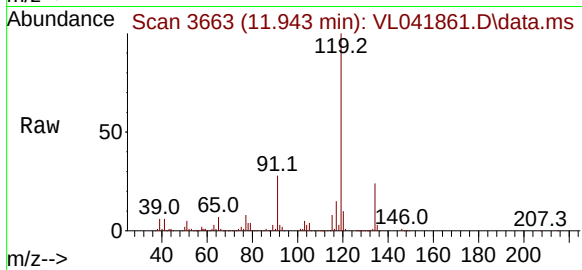
Tgt Ion:119 Resp: 112256

Ion Ratio Lower Upper

119 100

134 24.8 20.3 30.5

91 28.4 22.6 34.0



#70

n-Butylbenzene

Concen: 1.486 ppbv

RT: 12.299 min Scan# 3773

Delta R.T. -0.000 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

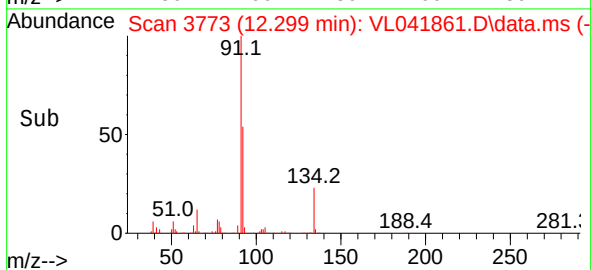
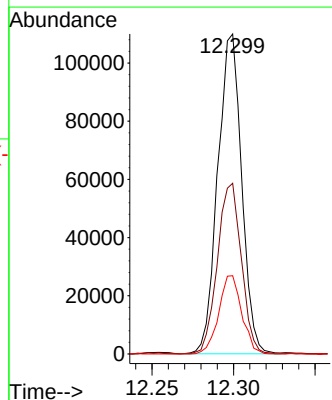
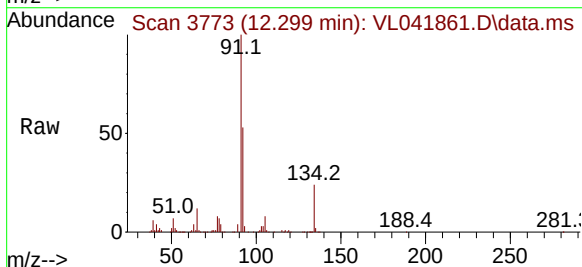
Tgt Ion: 91 Resp: 111884

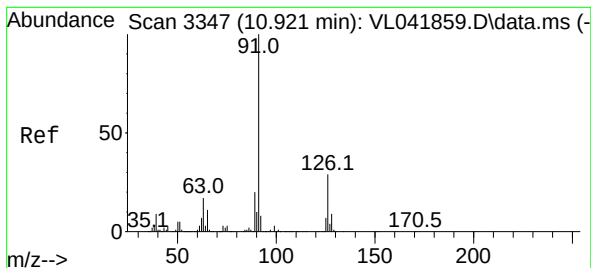
Ion Ratio Lower Upper

91 100

92 53.6 43.8 65.8

134 23.7 19.3 28.9

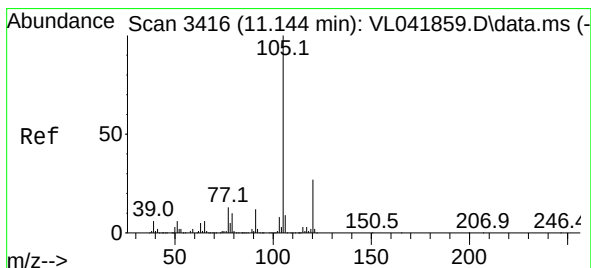
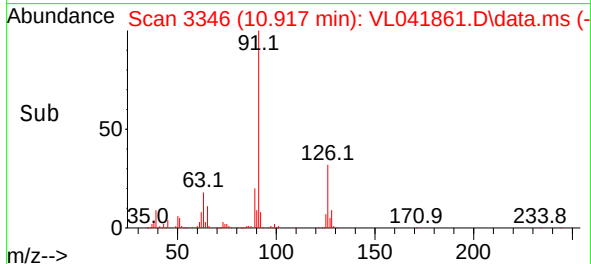
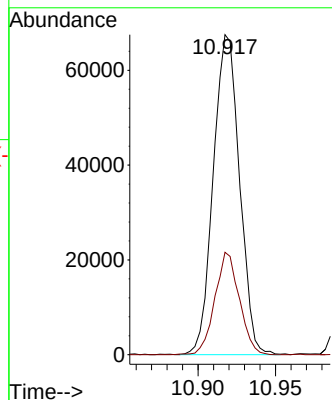
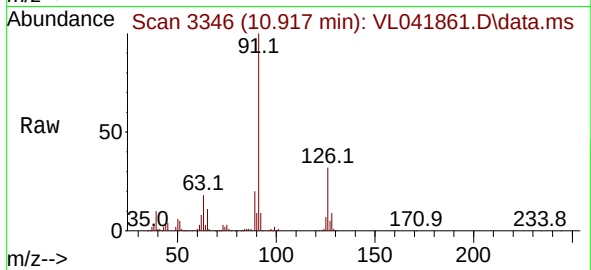




#71
2-Chlorotoluene
Concen: 1.510 ppbv
RT: 10.917 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

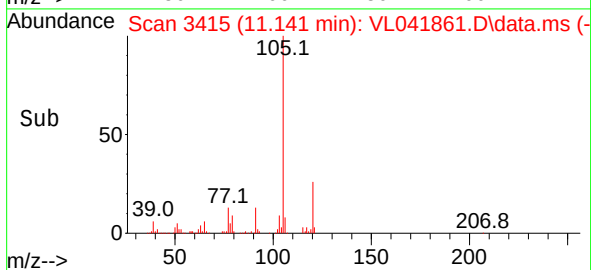
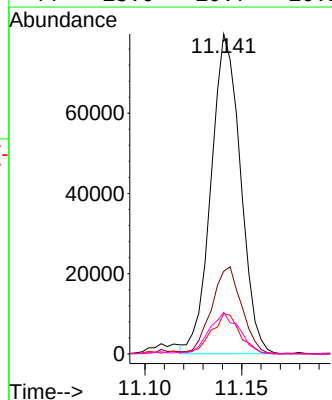
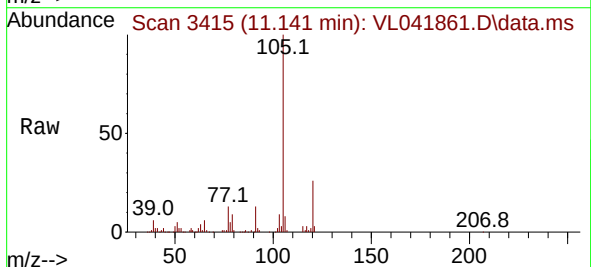
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

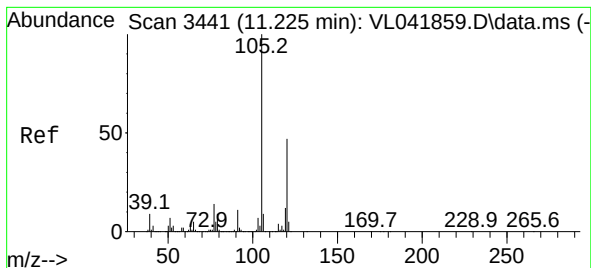
Tgt Ion: 91 Resp: 79598
Ion Ratio Lower Upper
91 100
126 29.7 11.6 46.6



#72
4-Ethyltoluene
Concen: 1.505 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041861.D
Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 84096
Ion Ratio Lower Upper
105 100
120 28.9 23.5 35.3
91 13.4 9.8 14.8
77 13.9 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 1.467 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_1

ClientSampleId :

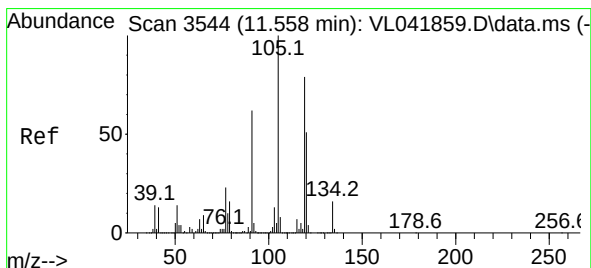
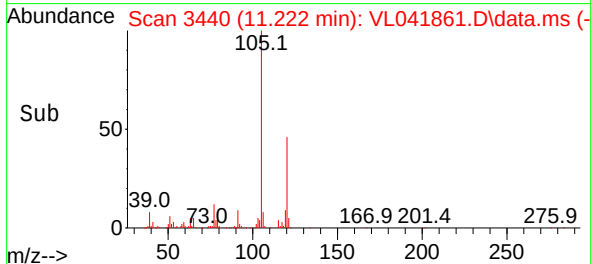
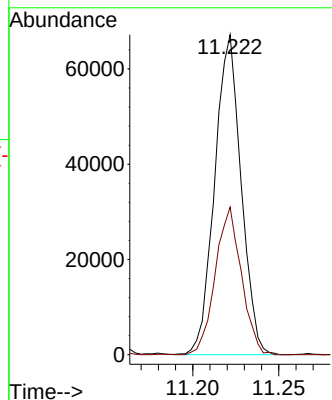
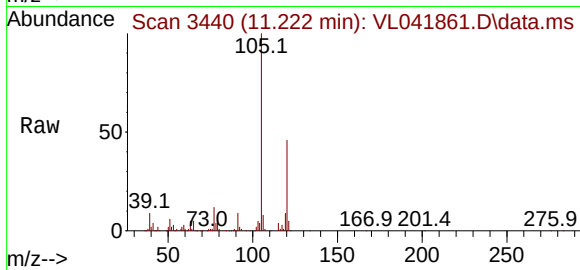
VSTDIC001

Tgt Ion:105 Resp: 71812

Ion Ratio Lower Upper

105 100

120 46.1 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 1.394 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.007 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Tgt Ion:105 Resp: 79018

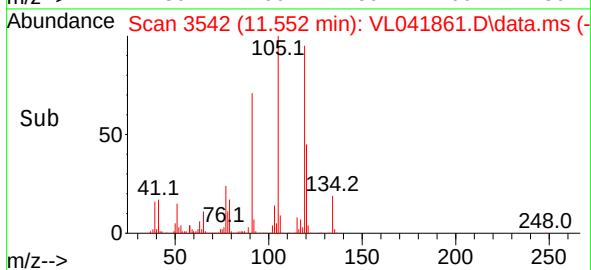
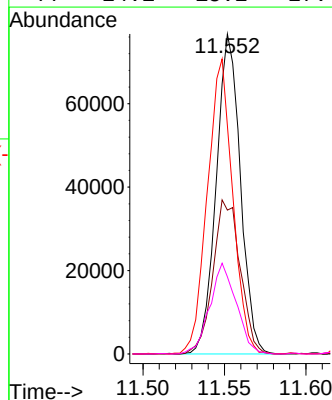
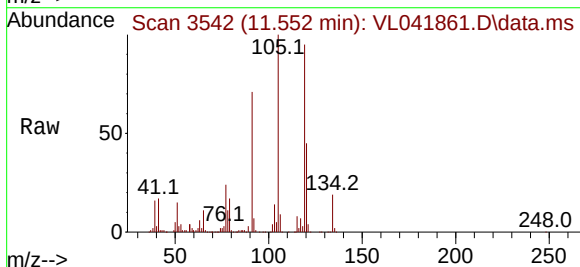
Ion Ratio Lower Upper

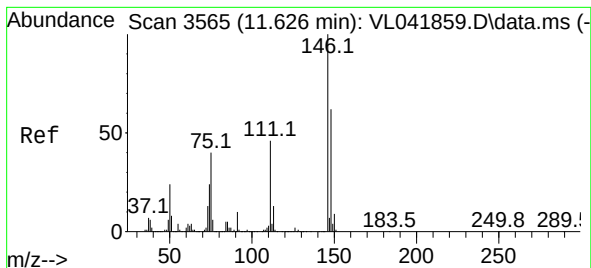
105 100

120 45.0 41.1 61.7

91 71.2 50.0 75.0

77 24.1 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 1.224 ppbv

RT: 11.623 min Scan# 3565

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

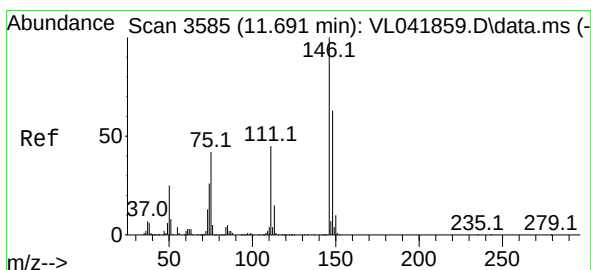
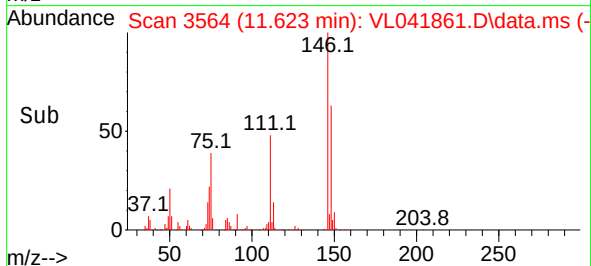
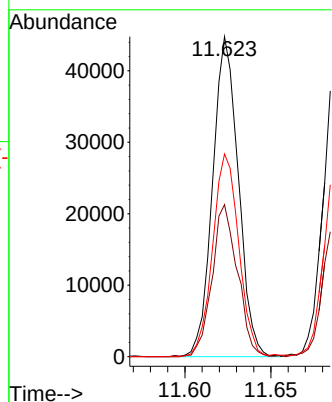
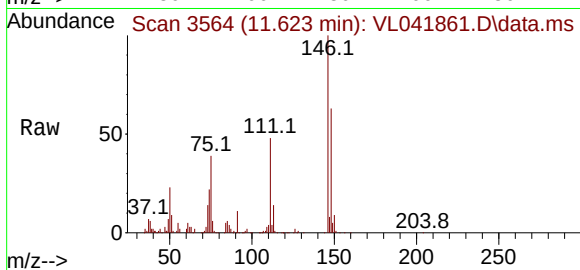
Tgt Ion:146 Resp: 46462

Ion Ratio Lower Upper

146 100

111 47.1 23.2 69.5

148 64.8 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 1.241 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

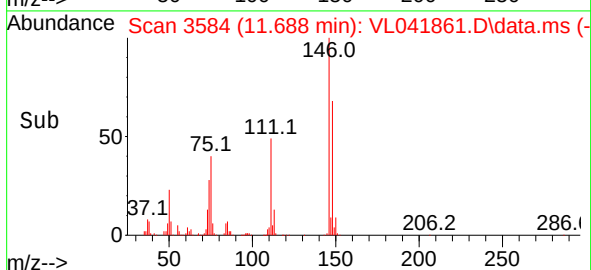
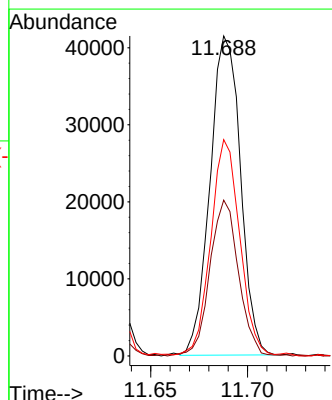
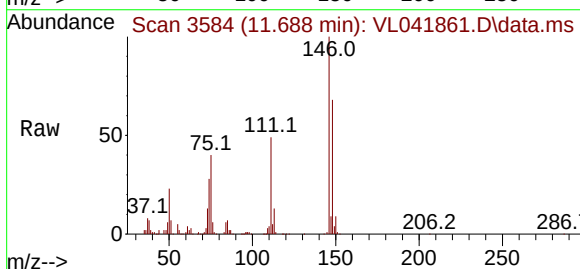
Tgt Ion:146 Resp: 45316

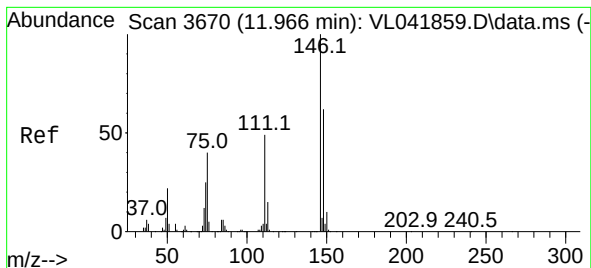
Ion Ratio Lower Upper

146 100

111 46.2 22.1 66.1

148 65.5 31.2 93.6





#77

1,2-Dichlorobenzene

Concen: 1.115 ppbv

RT: 11.963 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

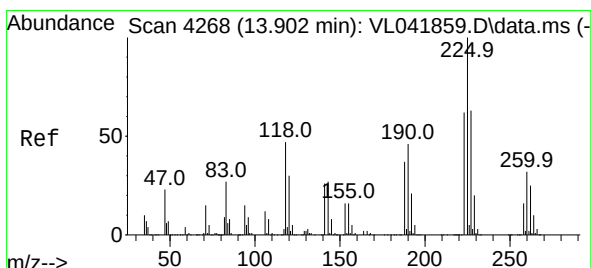
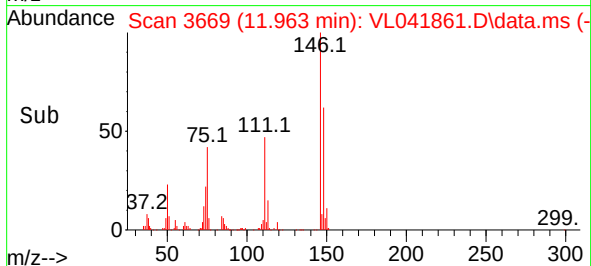
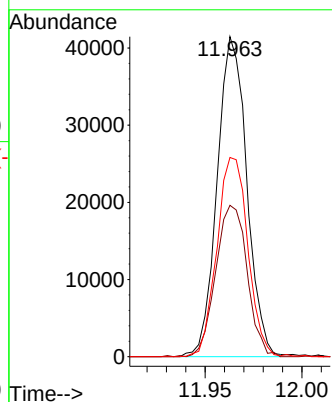
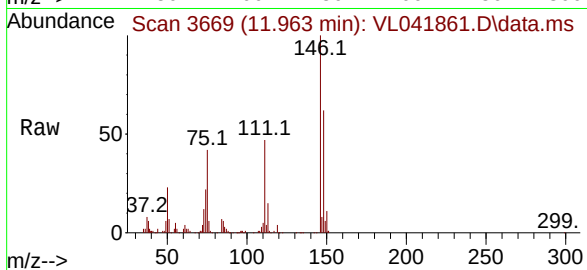
Tgt Ion:146 Resp: 44103

Ion Ratio Lower Upper

146 100

111 50.4 24.1 72.3

148 65.3 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 1.428 ppbv

RT: 13.898 min Scan# 4267

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

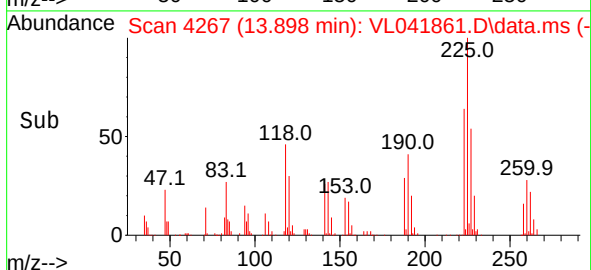
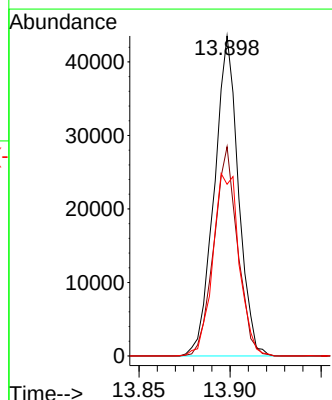
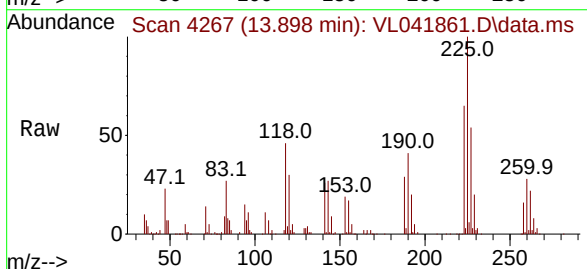
Tgt Ion:225 Resp: 40100

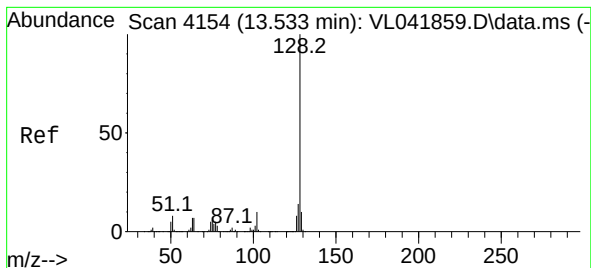
Ion Ratio Lower Upper

225 100

223 64.0 50.6 75.8

227 62.5 50.9 76.3





#79

Naphthalene

Concen: 2.069 ppbv

RT: 13.529 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

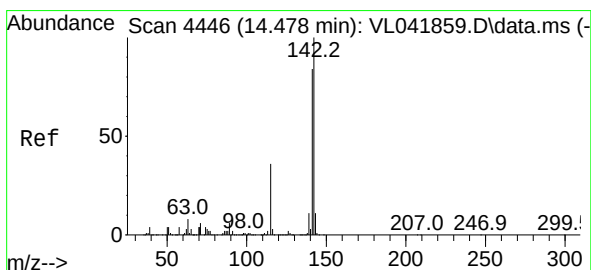
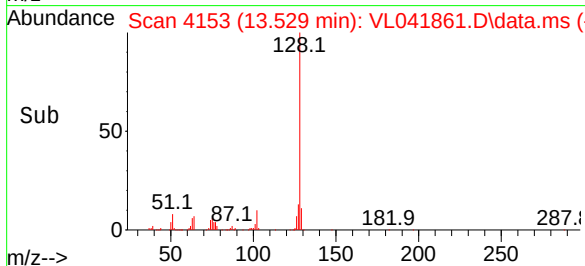
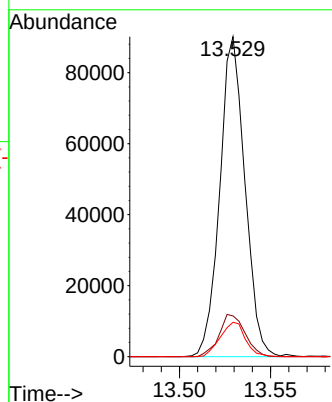
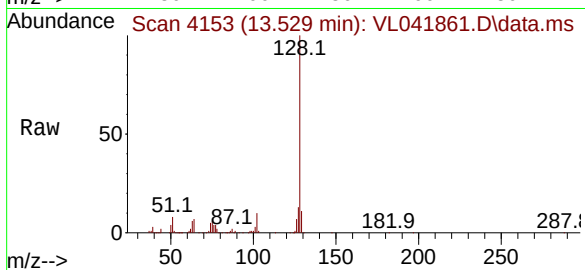
Tgt Ion:128 Resp: 86398

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 10.8 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 3.203 ppbv

RT: 14.474 min Scan# 4445

Delta R.T. -0.003 min

Lab File: VL041861.D

Acq: 09 Jan 2025 12:22

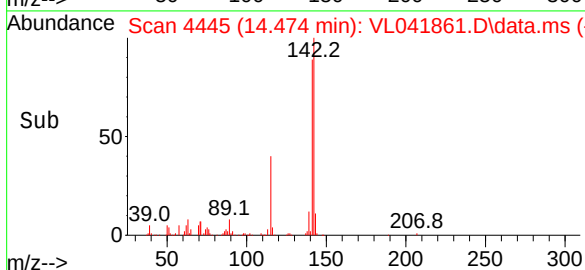
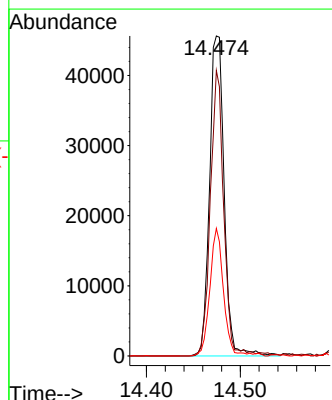
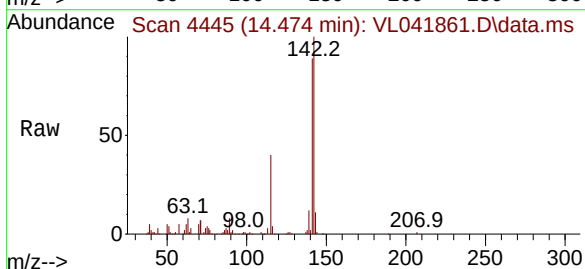
Tgt Ion:142 Resp: 49515

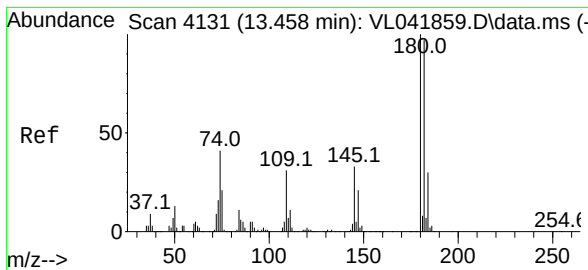
Ion Ratio Lower Upper

142 100

141 82.2 68.2 102.4

115 37.7 29.4 44.2

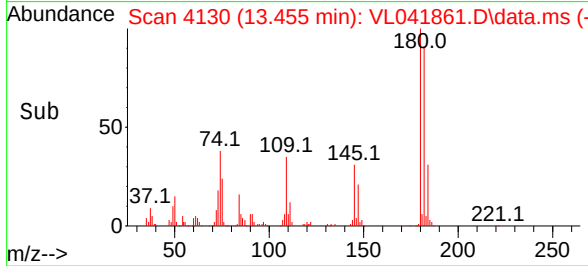
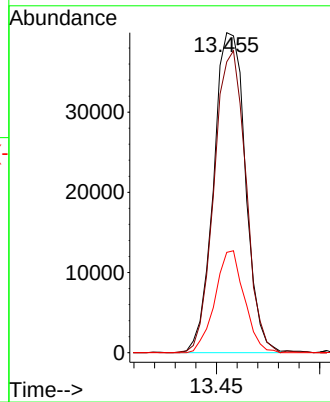
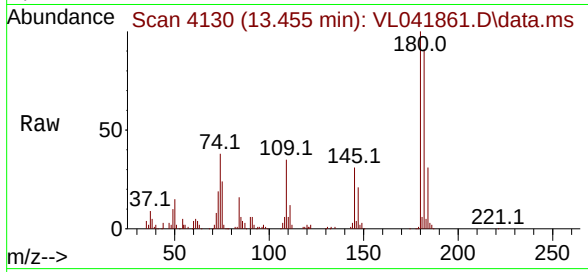




#81
 1,2,4-Trichlorobenzene
 Concen: 1.844 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041861.D
 Acq: 09 Jan 2025 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:180	Resp:	42679
Ion Ratio	Lower	Upper
180	100	
182	94.1	75.8 113.8
184	29.4	24.1 36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041862.D
 Acq On : 09 Jan 2025 12:53
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jan 10 00:16:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	143127	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.985	114	429322	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	397287	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	320213	9.411	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	12809	0.545	ppbv	98
3) Chlorodifluoromethane	1.483	51	13881	0.619	ppbv #	90
4) Chloromethane	1.541	50	4728	0.490	ppbv #	73
5) Vinyl Chloride	1.589	62	4803	0.493	ppbv	95
6) Bromomethane	1.674	94	2791	0.669	ppbv #	78
7) Chloroethane	1.716	64	2059	0.549	ppbv	99
8) Dichlorotetrafluoroethane	1.564	85	10699	0.528	ppbv	100
9) Propene	1.489	41	6731	0.862	ppbv	88
10) Heptane	5.011	43	8926	0.463	ppbv #	16
11) Trichlorofluoromethane	1.887	101	13013	0.545	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.153	101	10592	0.596	ppbv	99
13) Ethanol	1.732	45	907	0.884	ppbv #	56
14) Bromoethene	1.790	108	3822	0.656	ppbv #	86
15) Acetone	1.848	43	15259	0.579	ppbv	99
16) 1,3-Butadiene	1.619	39	7024	0.680	ppbv	96
17) tert-Butyl alcohol	2.056	59	14992	0.657	ppbv #	92
18) 1,1-Dichloroethene	2.046	96	4883	0.656	ppbv #	93
19) Isopropyl Alcohol	1.900	45	7509	0.607	ppbv #	34
20) Methylene Chloride	2.075	84	4849	0.644	ppbv #	84
21) Allyl Chloride	2.107	41	8675	0.639	ppbv #	84
22) trans-1,2-Dichloroethene	2.357	96	5632	0.677	ppbv	89
23) Vinyl Acetate	2.473	43	7040	0.859	ppbv #	87
24) 1,1-Dichloroethane	2.421	63	10611	0.583	ppbv	98
25) Ethyl Acetate	2.855	43	31455	0.712	ppbv	98
26) Hexane	2.845	57	13451	0.877	ppbv	95
27) Carbon Disulfide	2.162	76	12466	0.856	ppbv #	38
28) Methyl tert-Butyl Ether	2.460	73	10251	0.887	ppbv #	62
29) Chloroform	2.865	83	18316	0.643	ppbv	96
30) Cyclohexane	3.884	84	7160	0.616	ppbv #	35
31) cis-1,2-Dichloroethene	2.735	61	13045	0.826	ppbv	97
32) 1,1,1-Trichloroethane	3.389	97	17819	0.690	ppbv	98
34) 2-Butanone	2.577	43	19019	0.562	ppbv	99
35) Carbon Tetrachloride	3.787	117	15737	0.485	ppbv	97
36) Benzene	3.680	78	25621	0.625	ppbv	97
37) 1,2-Dichloroethane	3.237	62	14429	0.535	ppbv #	93
38) Trichloroethene	4.577	130	5766	0.366	ppbv #	82
39) 1,2-Dichloropropane	4.344	63	5652	0.356	ppbv	84
40) 1,4-Dioxane	4.638	88	3986	0.649	ppbv #	98
41) Tetrahydrofuran	3.085	42	11404	0.716	ppbv	97
42) Bromodichloromethane	4.525	83	18000	0.569	ppbv #	93
43) Methyl Methacrylate	4.923	69	7420	0.576	ppbv #	50
44) 2,2,4-Trimethylpentane	4.668	57	40802	0.604	ppbv #	89
45) t-1,3-Dichloropropene	6.451	75	10609	0.844	ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041862.D
 Acq On : 09 Jan 2025 12:53
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jan 10 00:16:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

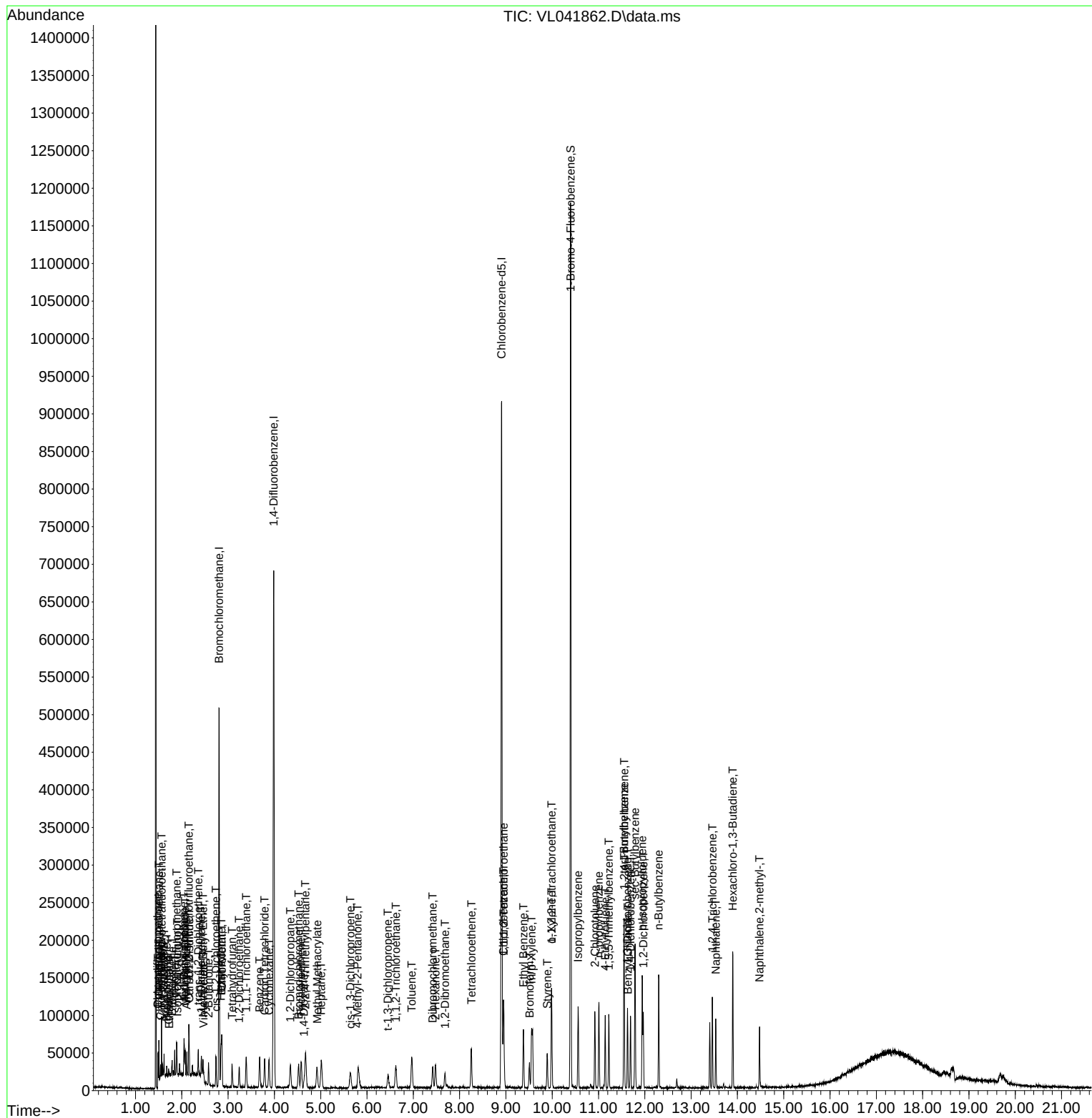
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.642	75	13758	0.831	ppbv	98
47) 1,1,2-Trichloroethane	6.626	97	7651	0.457	ppbv	95
48) Dibromochloromethane	7.419	129	13671	0.640	ppbv	97
49) Bromoform	9.510	173	11202	0.654	ppbv	99
50) 4-Methyl-2-Pentanone	5.797	43	5841	0.149	ppbv #	38
51) 2-Hexanone	7.480	43	22189	0.750	ppbv #	98
52) Tetrachloroethene	8.254	164	9543	0.785	ppbv	89
53) Toluene	6.966	91	30969	0.848	ppbv	97
54) 1,2-Dibromoethane	7.684	107	13281	0.646	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.950	131	12299	0.543	ppbv	90
57) Chlorobenzene	8.946	112	23264	0.560	ppbv #	97
58) Ethyl Benzene	9.380	91	41863	0.773	ppbv	89
59) m/p-Xylene	9.555	91	35867	0.752	ppbv #	100
60) o-Xylene	9.985	91	34021	0.732	ppbv	98
61) Styrene	9.891	104	16798	0.931	ppbv	98
62) Isopropylbenzene	10.558	105	50575	0.692	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.985	83	20172	0.495	ppbv	98
64) n-propylbenzene	11.008	120	13351	0.712	ppbv	98
65) tert-Butylbenzene	11.552	119	46079	0.700	ppbv	98
66) Benzyl Chloride	11.633	91	4858	0.881	ppbv	96
67) sec-Butylbenzene	11.788	105	65001	0.677	ppbv	98
69) p-Isopropyltoluene	11.944	119	53789	0.713	ppbv	98
70) n-Butylbenzene	12.300	91	55556	0.733	ppbv	99
71) 2-Chlorotoluene	10.921	91	40116	0.757	ppbv	99
72) 4-Ethyltoluene	11.144	105	40352	0.718	ppbv	98
73) 1,3,5-Trimethylbenzene	11.222	105	34365	0.698	ppbv	94
74) 1,2,4-Trimethylbenzene	11.555	105	37910	0.665	ppbv #	87
75) 1,3-Dichlorobenzene	11.626	146	23642	0.619	ppbv	97
76) 1,4-Dichlorobenzene	11.691	146	23242	0.633	ppbv	99
77) 1,2-Dichlorobenzene	11.966	146	22337	0.561	ppbv	100
78) Hexachloro-1,3-Butadiene	13.902	225	19853	0.703	ppbv	97
79) Naphthalene	13.533	128	42331	1.007	ppbv #	95
80) Naphthalene,2-methyl-	14.478	142	23705	1.524	ppbv	96
81) 1,2,4-Trichlorobenzene	13.458	180	19980	0.858	ppbv	97

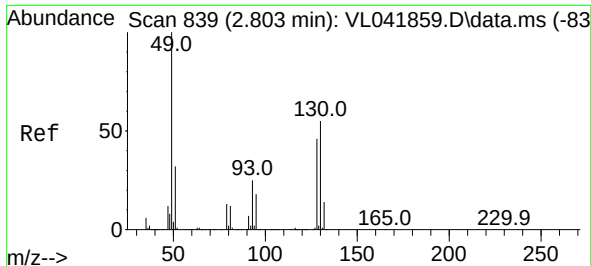
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041862.D
Acq On : 09 Jan 2025 12:53
Operator : SY/MD
Sample : VSTDIC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Jan 10 00:16:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

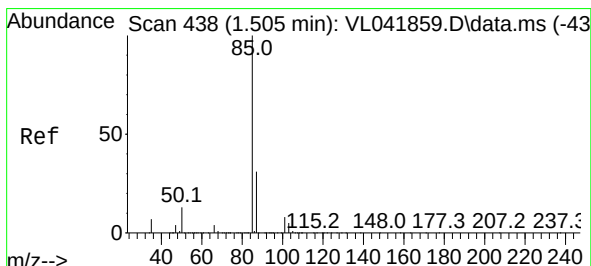
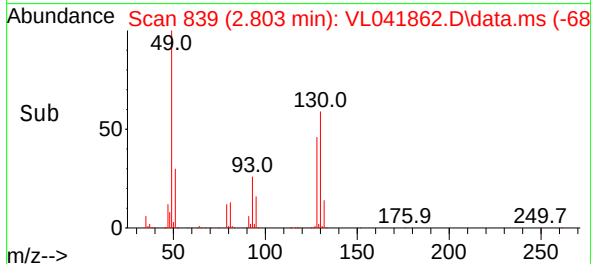
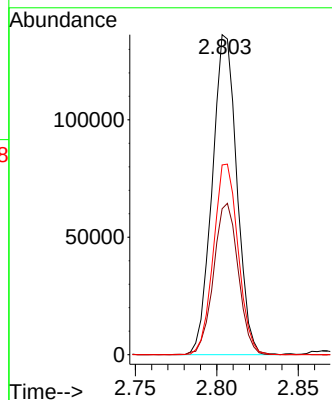
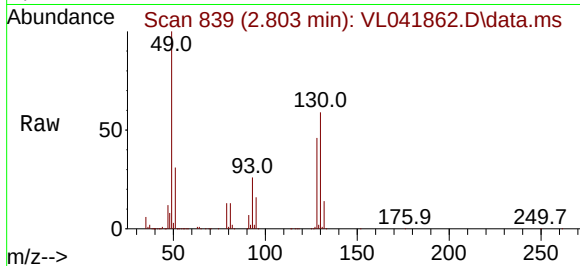




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 839
 Delta R.T. 0.000 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

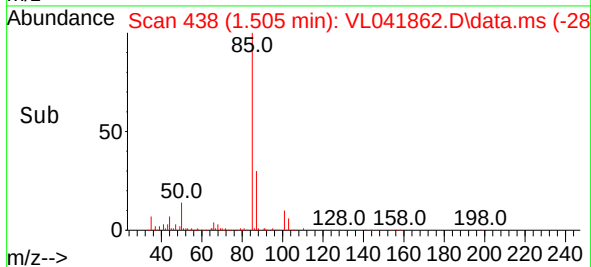
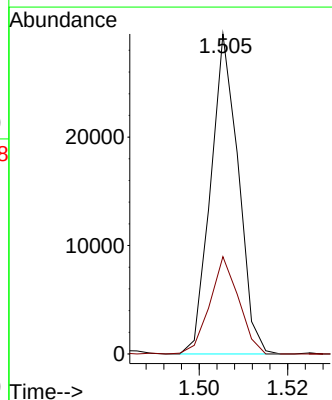
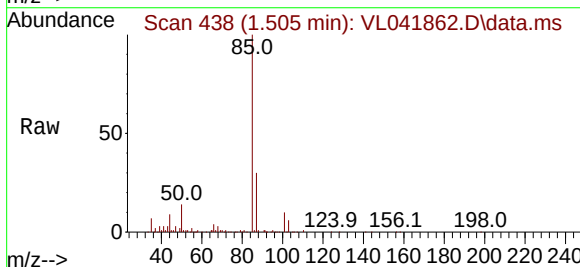
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

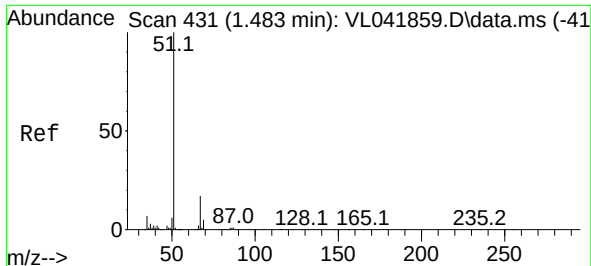
Tgt Ion: 49 Resp: 143127
 Ion Ratio Lower Upper
 49 100
 128 47.3 23.2 69.5
 130 59.7 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.545 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. -0.000 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Tgt Ion: 85 Resp: 12809
 Ion Ratio Lower Upper
 85 100
 87 30.4 25.2 37.8

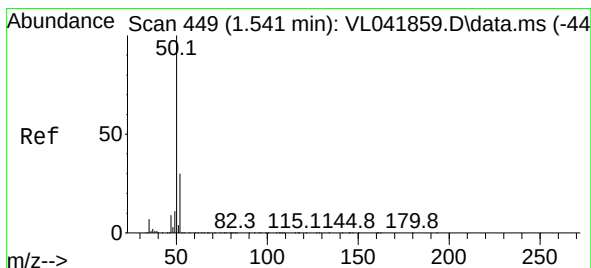
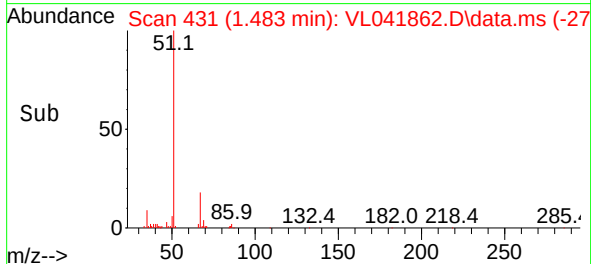
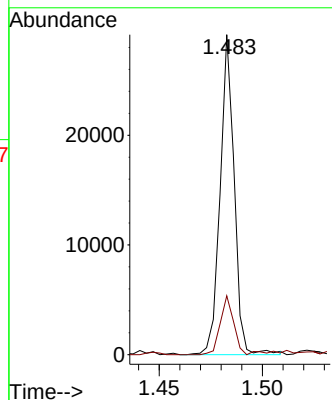
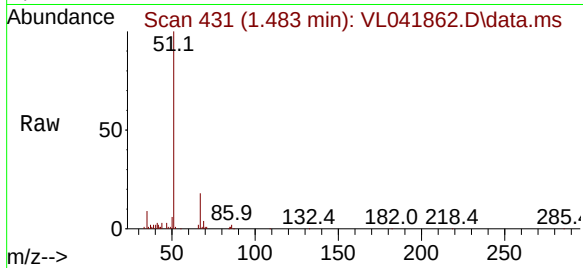




#3
Chlorodifluoromethane
Concen: 0.619 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

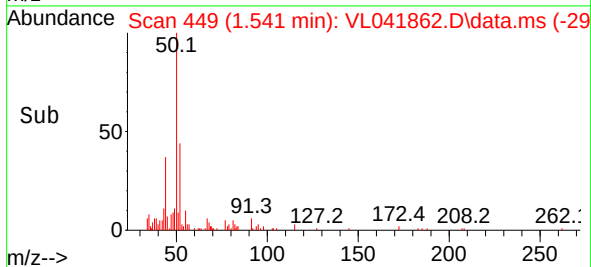
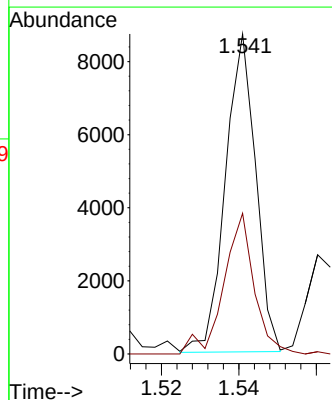
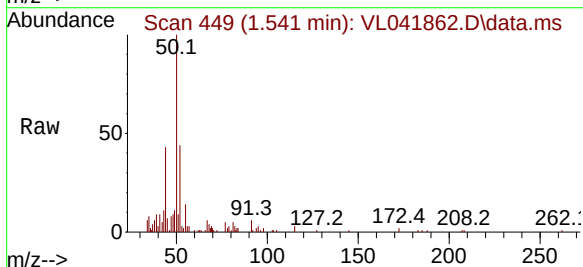
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

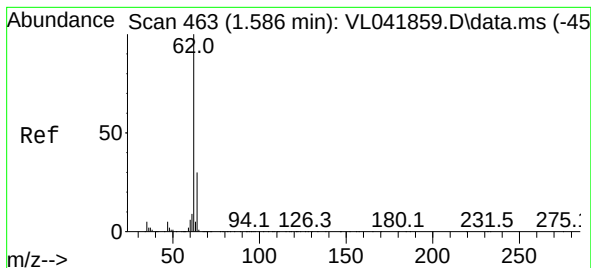
Tgt Ion: 51 Resp: 13881
Ion Ratio Lower Upper
51 100
67 21.6 13.8 20.8#



#4
Chloromethane
Concen: 0.490 ppbv
RT: 1.541 min Scan# 449
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 50 Resp: 4728
Ion Ratio Lower Upper
50 100
52 44.3 23.9 35.9#





#5

Vinyl Chloride

Concen: 0.493 ppbv

RT: 1.589 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

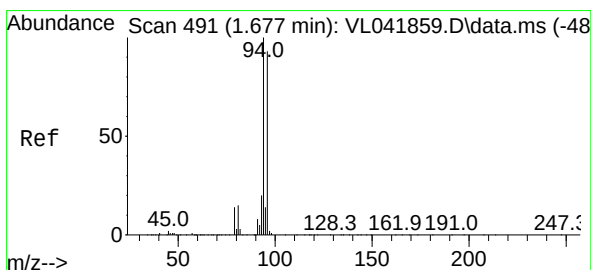
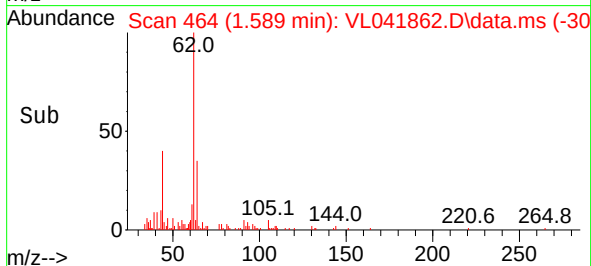
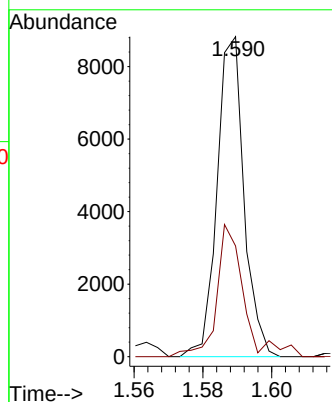
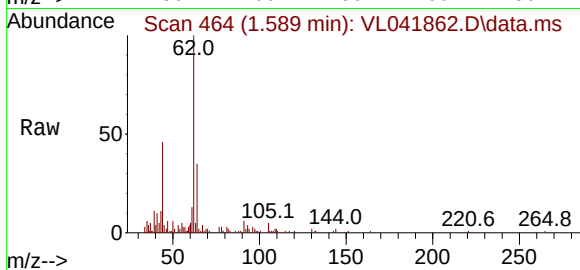
VSTDICC0.5

Tgt Ion: 62 Resp: 4803

Ion Ratio Lower Upper

62 100

64 33.0 24.1 36.1



#6

Bromomethane

Concen: 0.669 ppbv

RT: 1.674 min Scan# 490

Delta R.T. -0.003 min

Lab File: VL041862.D

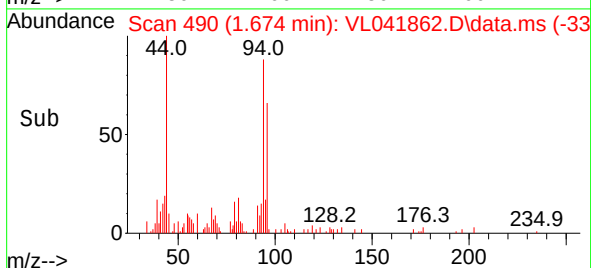
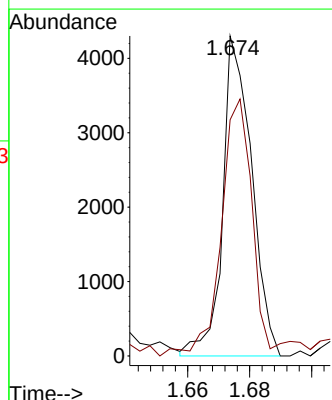
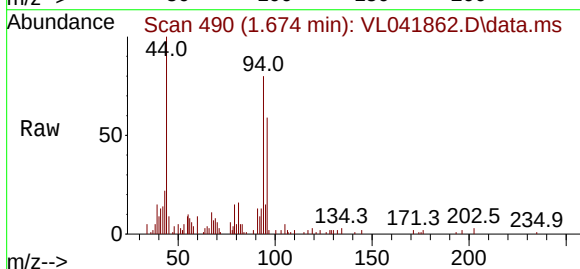
Acq: 09 Jan 2025 12:53

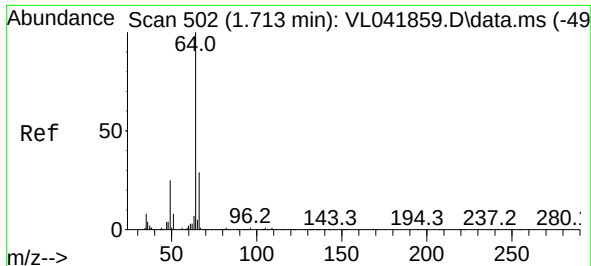
Tgt Ion: 94 Resp: 2791

Ion Ratio Lower Upper

94 100

96 71.9 74.8 112.2#

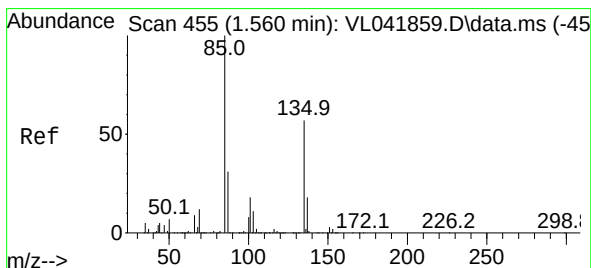
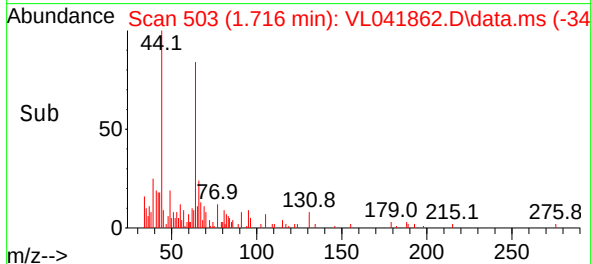
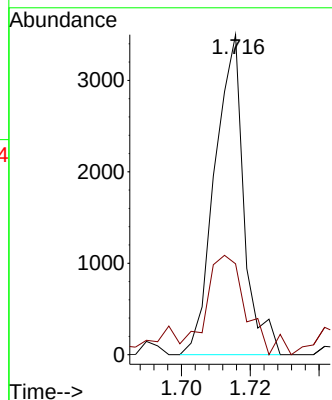
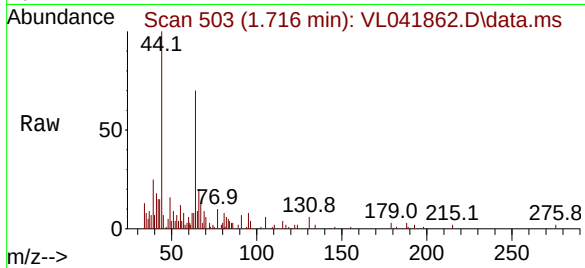




#7
Chloroethane
Concen: 0.549 ppbv
RT: 1.716 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

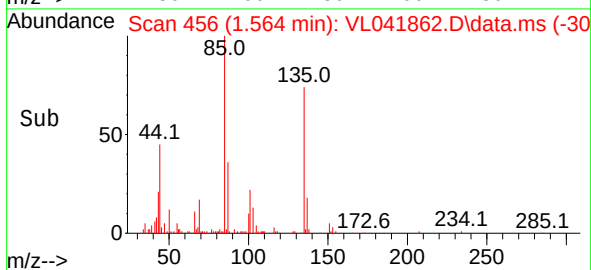
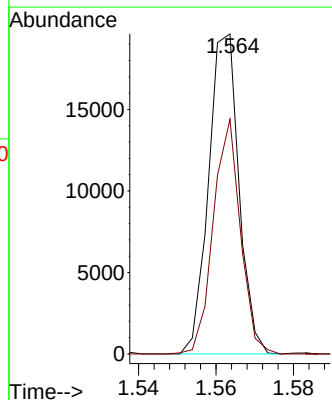
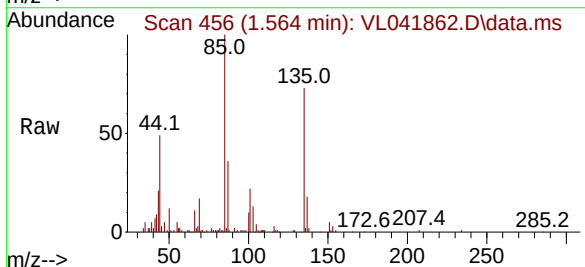
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

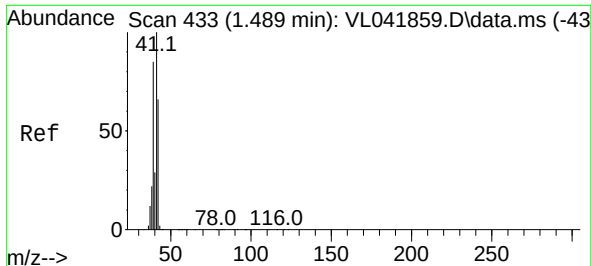
Tgt Ion: 64 Resp: 2059
Ion Ratio Lower Upper
64 100
66 28.4 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 0.528 ppbv
RT: 1.564 min Scan# 456
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 85 Resp: 10699
Ion Ratio Lower Upper
85 100
135 65.4 52.2 78.4





#9

Propene

Concen: 0.862 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

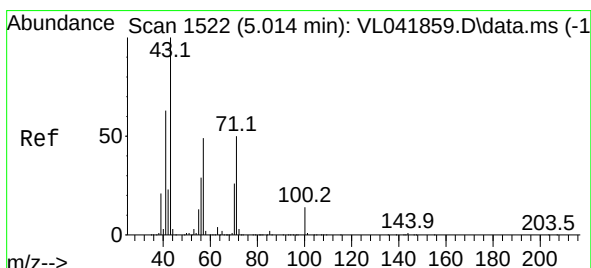
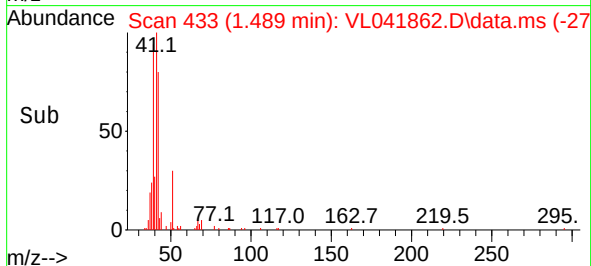
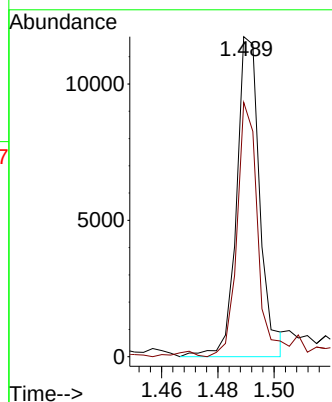
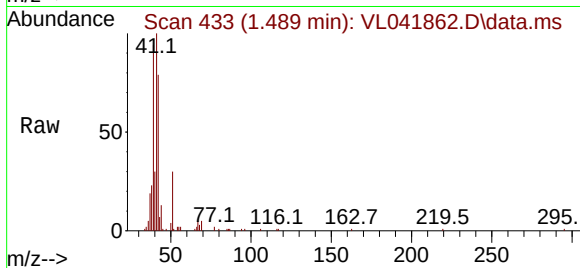
VSTDIC0.5

Tgt Ion: 41 Resp: 6731

Ion Ratio Lower Upper

41 100

42 76.2 53.0 79.6



#10

Heptane

Concen: 0.463 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. -0.003 min

Lab File: VL041862.D

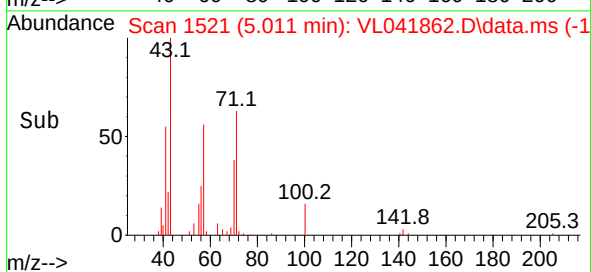
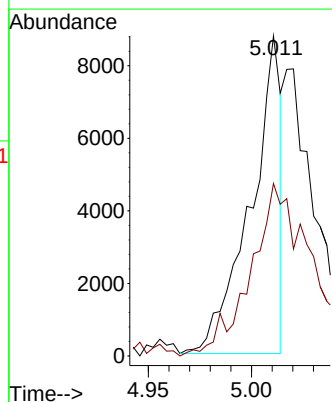
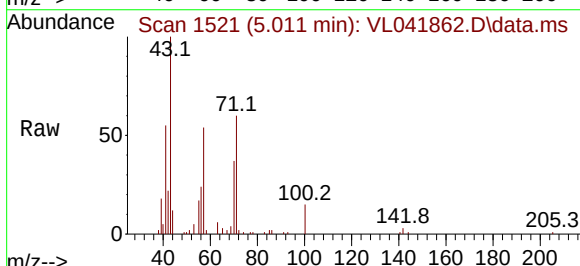
Acq: 09 Jan 2025 12:53

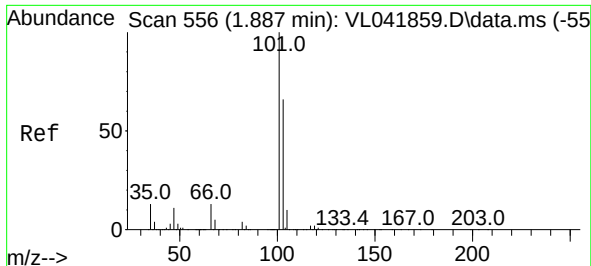
Tgt Ion: 43 Resp: 8926

Ion Ratio Lower Upper

43 100

57 107.9 40.2 60.2#





#11

Trichlorofluoromethane

Concen: 0.545 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

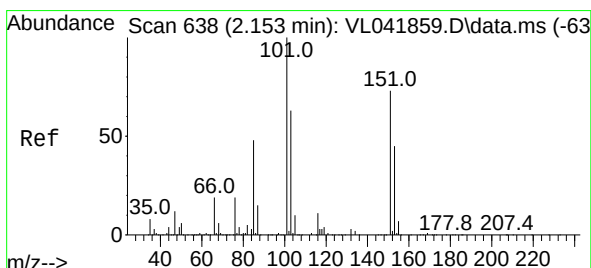
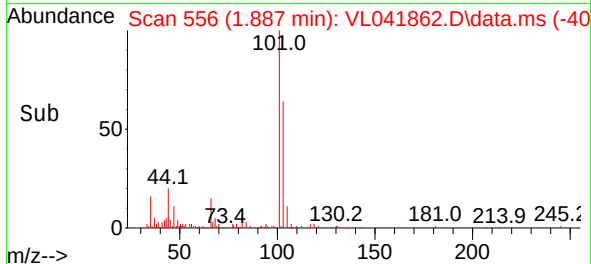
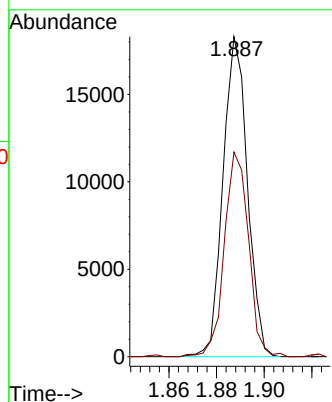
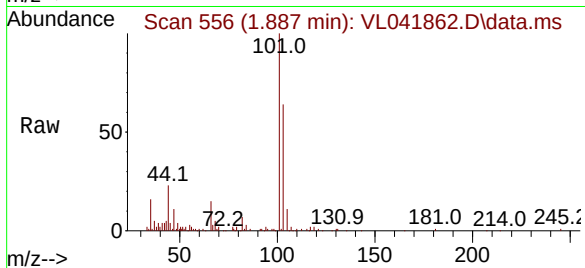
VSTDIC0.5

Tgt Ion:101 Resp: 13013

Ion Ratio Lower Upper

101 100

103 63.9 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.596 ppbv

RT: 2.153 min Scan# 638

Delta R.T. -0.000 min

Lab File: VL041862.D

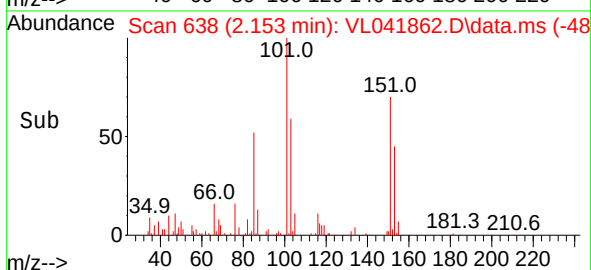
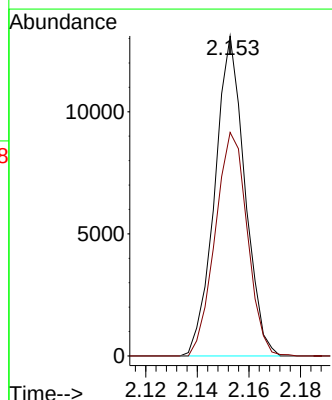
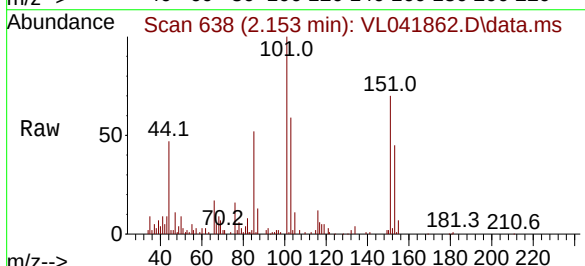
Acq: 09 Jan 2025 12:53

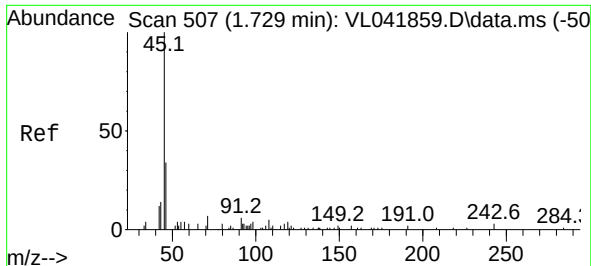
Tgt Ion:101 Resp: 10592

Ion Ratio Lower Upper

101 100

151 74.7 59.4 89.0





#13

Ethanol

Concen: 0.884 ppbv

RT: 1.732 min Scan# 507

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

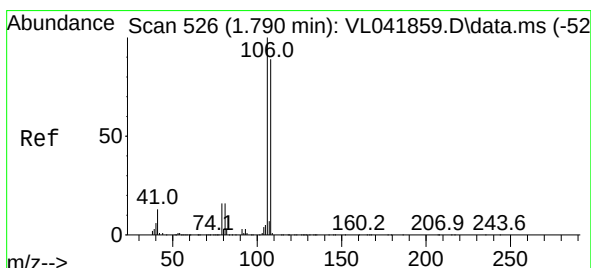
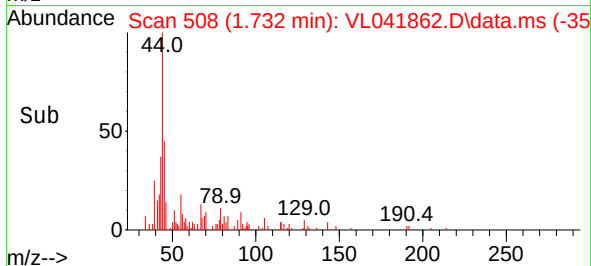
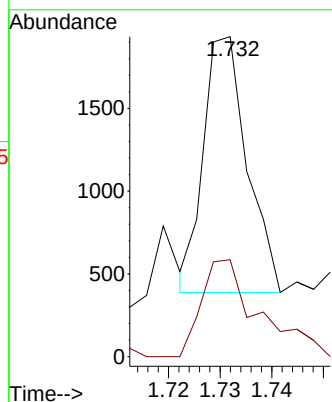
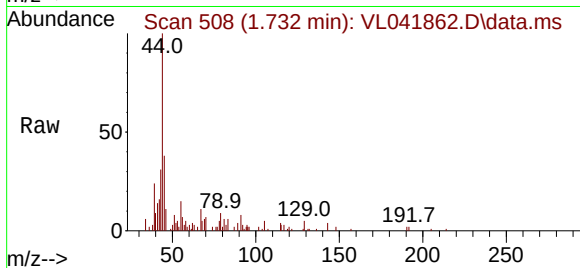
VSTDICC0.5

Tgt Ion: 45 Resp: 907

Ion Ratio Lower Upper

45 100

46 77.0 19.0 76.0#



#14

Bromoethene

Concen: 0.656 ppbv

RT: 1.790 min Scan# 526

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

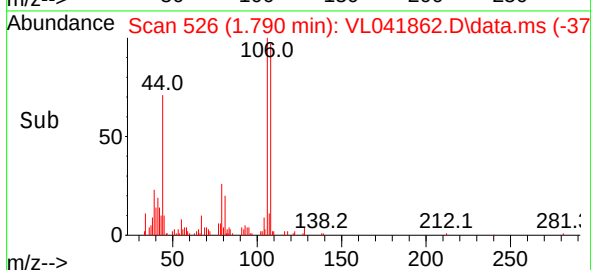
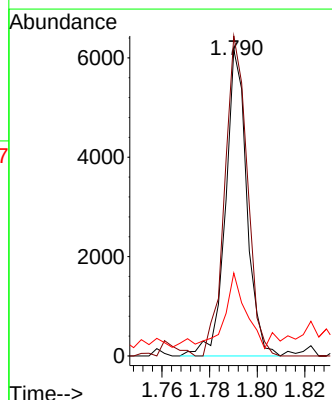
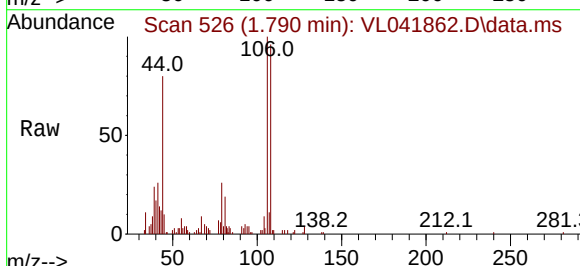
Tgt Ion: 108 Resp: 3822

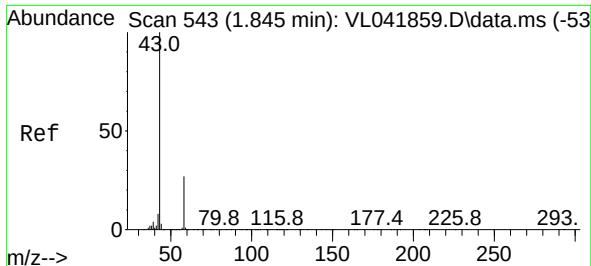
Ion Ratio Lower Upper

108 100

106 114.8 86.9 130.3

79 45.0 15.6 23.4#

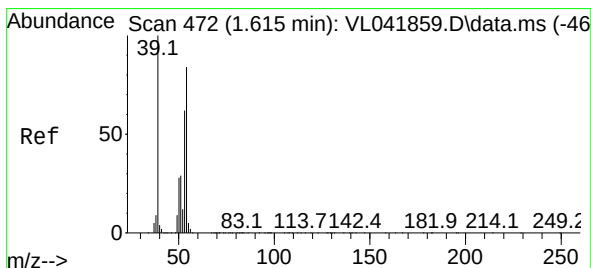
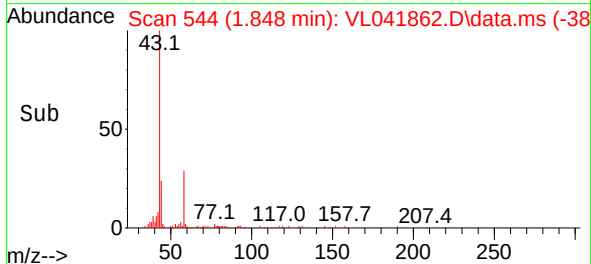
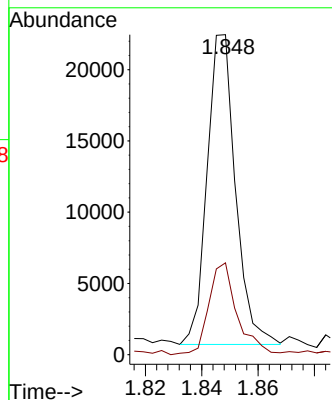
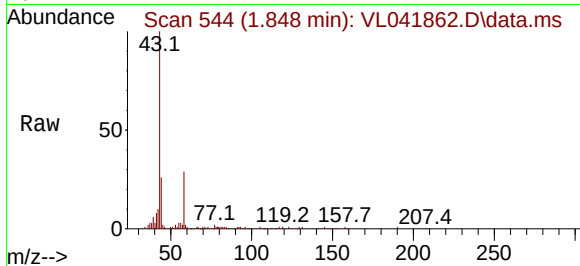




#15
Acetone
Concen: 0.579 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

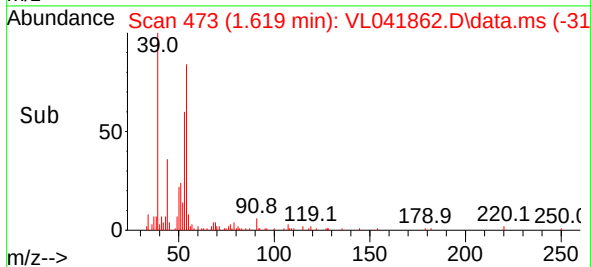
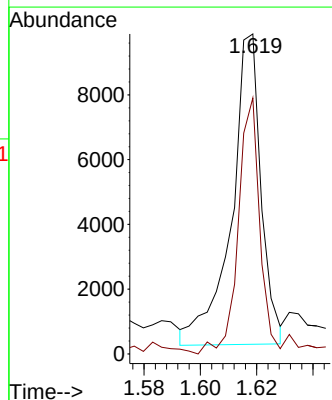
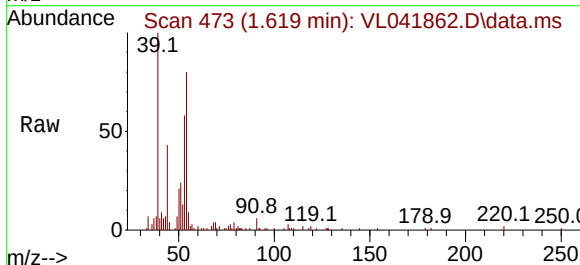
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

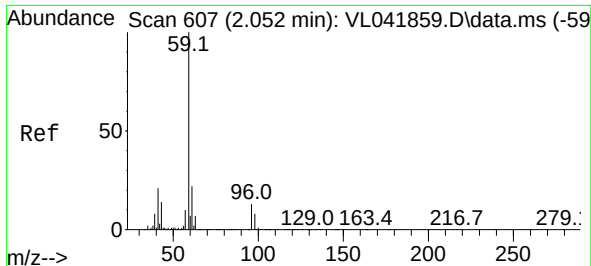
Tgt Ion: 43 Resp: 15259
Ion Ratio Lower Upper
43 100
58 28.7 22.7 34.1



#16
1,3-Butadiene
Concen: 0.680 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 39 Resp: 7024
Ion Ratio Lower Upper
39 100
54 72.0 60.1 90.1





#17

tert-Butyl alcohol

Concen: 0.657 ppbv

RT: 2.056 min Scan# 607

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

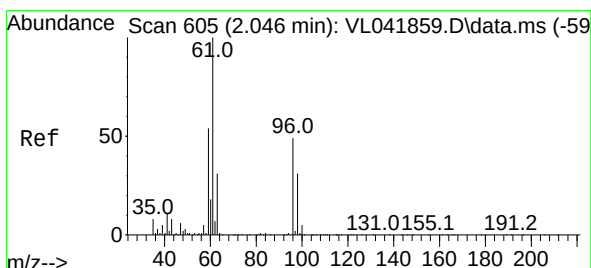
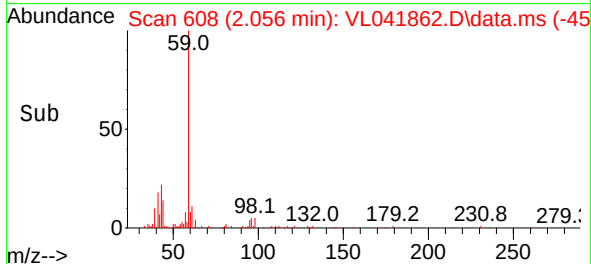
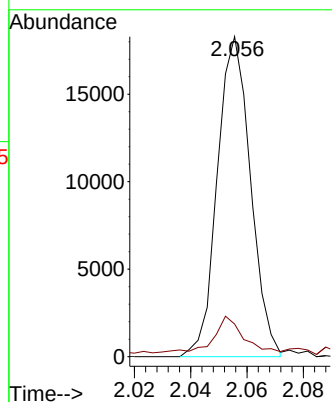
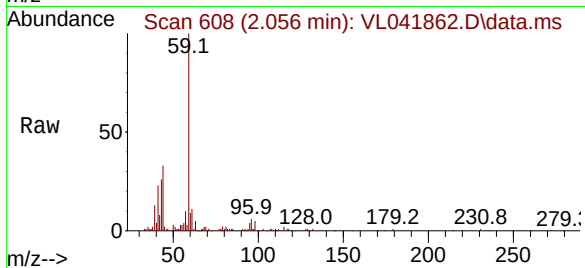
VSTDIC0.5

Tgt Ion: 59 Resp: 14992

Ion Ratio Lower Upper

59 100

57 13.1 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.656 ppbv

RT: 2.046 min Scan# 605

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

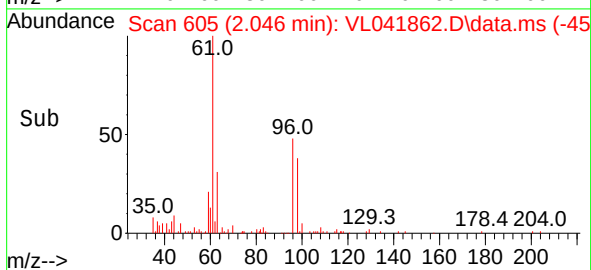
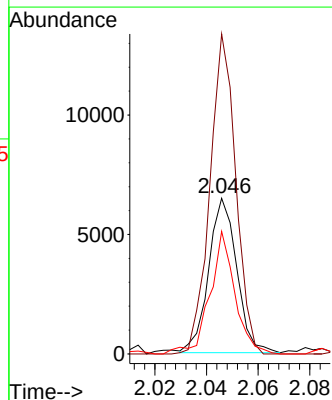
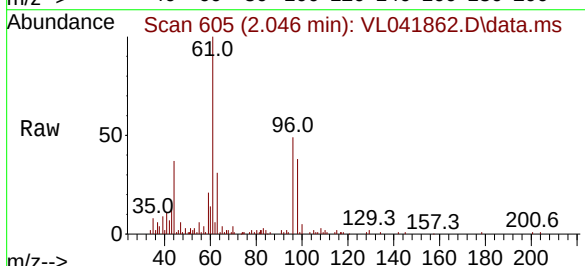
Tgt Ion: 96 Resp: 4883

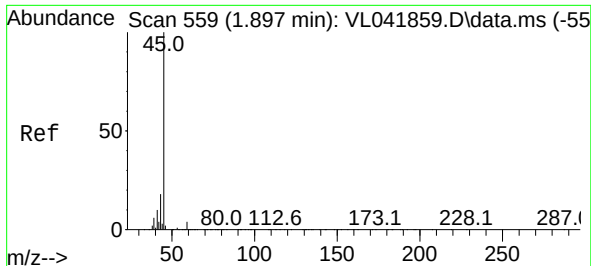
Ion Ratio Lower Upper

96 100

61 207.4 161.7 242.5

98 79.4 51.0 76.4#





#19

Isopropyl Alcohol

Concen: 0.607 ppbv

RT: 1.900 min Scan# 5

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

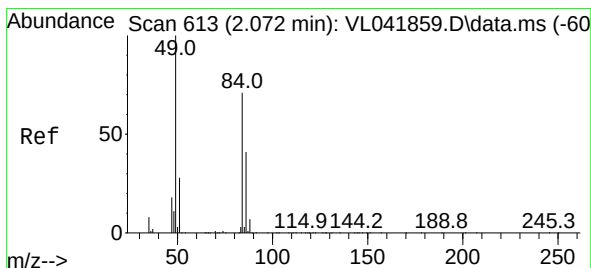
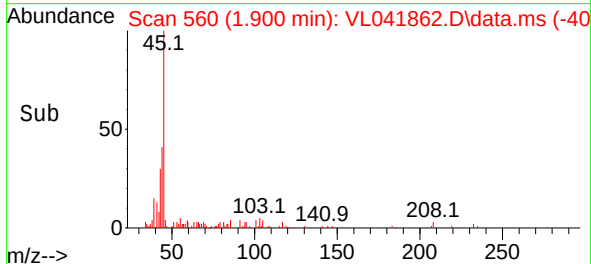
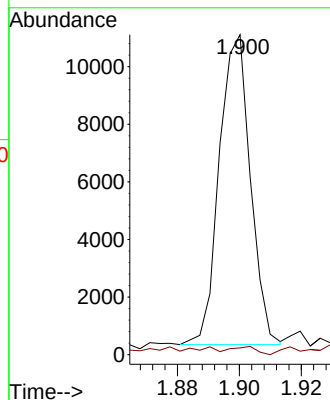
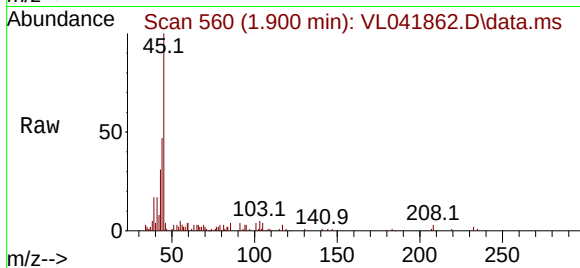
VSTDIC0.5

Tgt Ion: 45 Resp: 7509

Ion Ratio Lower Upper

45 100

58 2.7 37.0 55.6#



#20

Methylene Chloride

Concen: 0.644 ppbv

RT: 2.075 min Scan# 614

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion: 84 Resp: 4849

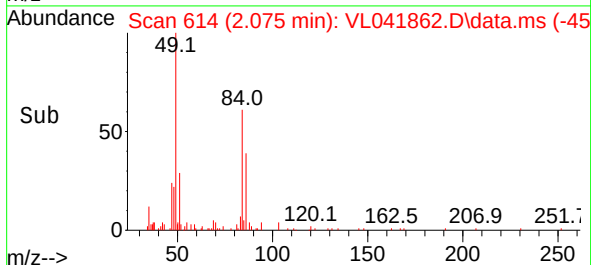
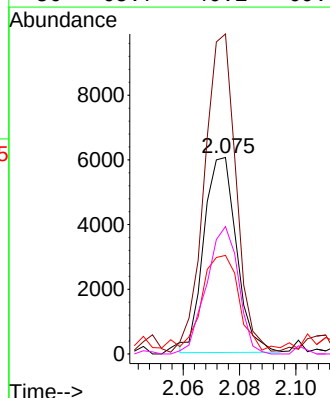
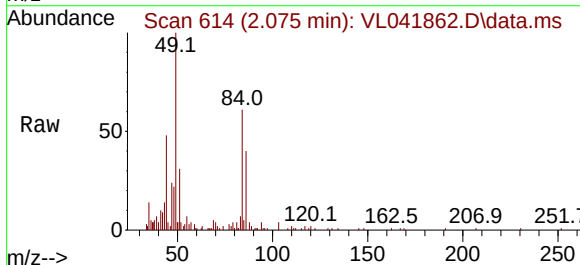
Ion Ratio Lower Upper

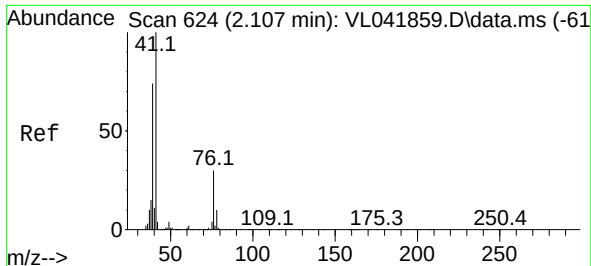
84 100

49 163.2 113.8 170.8

51 54.4 33.5 50.3#

86 65.7 46.2 69.4





#21

Allyl Chloride

Concen: 0.639 ppbv

RT: 2.107 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

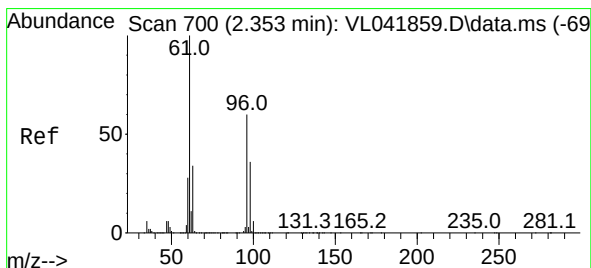
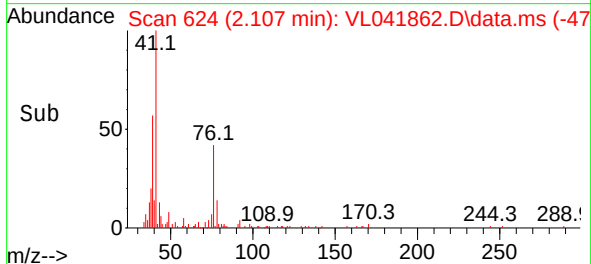
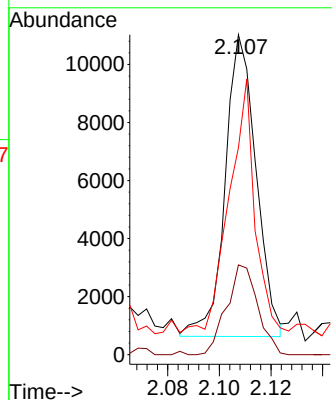
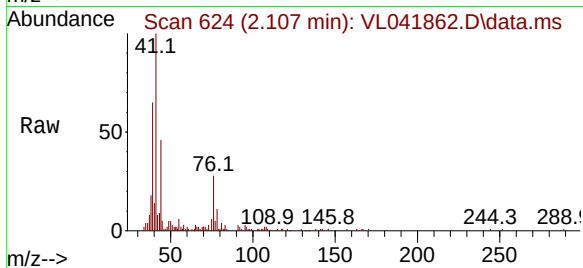
Tgt Ion: 41 Resp: 8675

Ion Ratio Lower Upper

41 100

76 31.2 24.6 36.8

39 94.1 60.1 90.1#



#22

trans-1,2-Dichloroethene

Concen: 0.677 ppbv

RT: 2.357 min Scan# 701

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

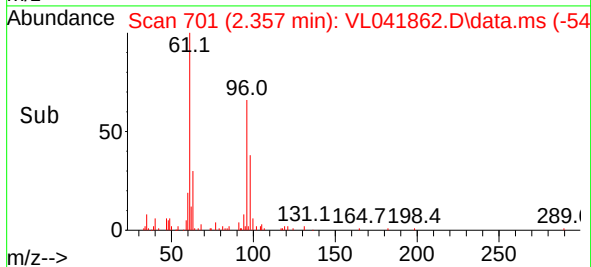
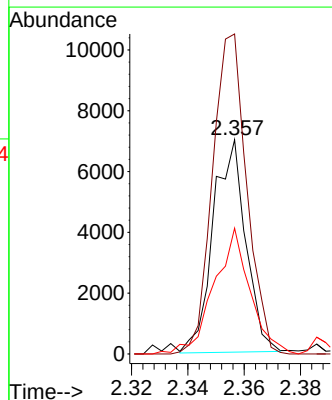
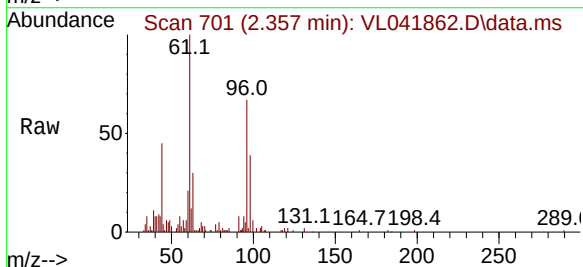
Tgt Ion: 96 Resp: 5632

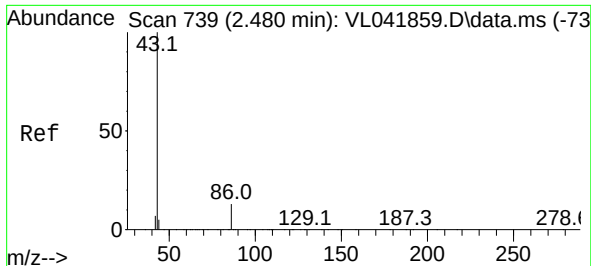
Ion Ratio Lower Upper

96 100

61 150.4 134.2 201.4

98 55.2 49.0 73.4

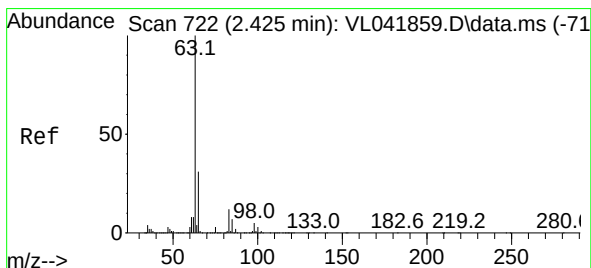
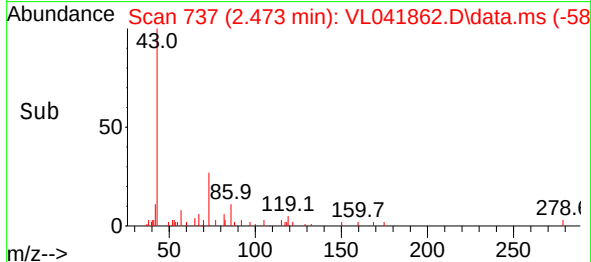
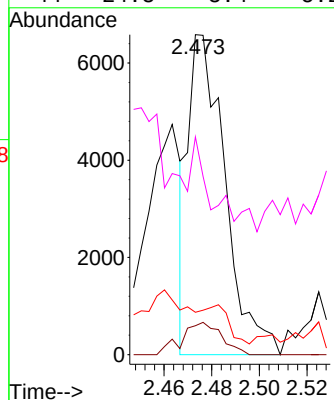
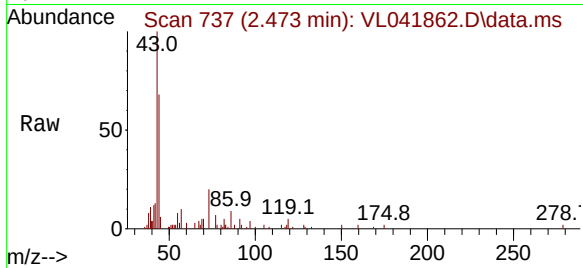




#23
 Vinyl Acetate
 Concen: 0.859 ppbv
 RT: 2.473 min Scan# 740
 Delta R.T. -0.006 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

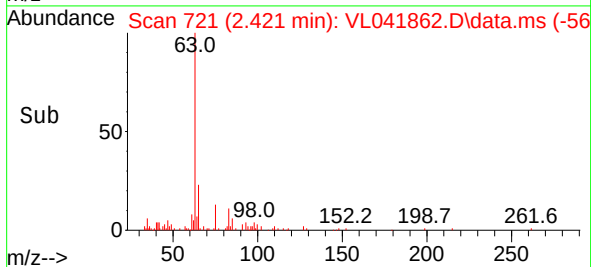
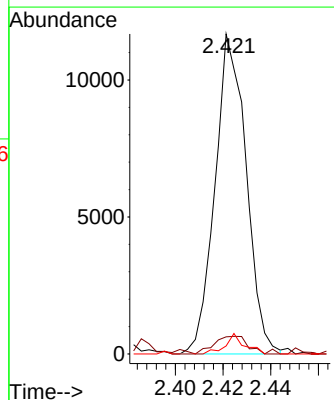
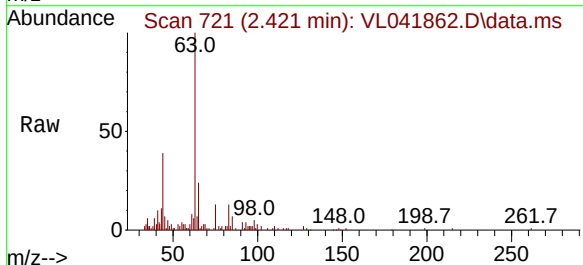
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

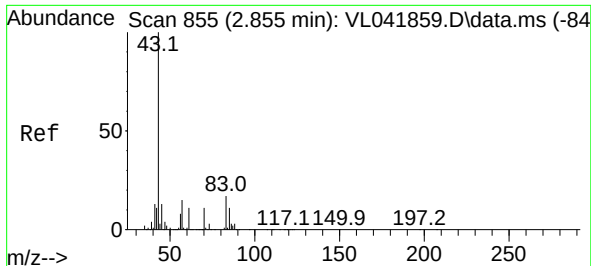
Tgt Ion:	43	Resp:	7040
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.8	11.6
42	9.3	7.0	10.4
44	24.3	3.4	5.2



#24
 1,1-Dichloroethane
 Concen: 0.583 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. -0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Tgt Ion:	63	Resp:	10611
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.3	6.9
100	2.5	1.3	3.8





#25

Ethyl Acetate

Concen: 0.712 ppbv

RT: 2.855 min Scan# 855

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 31455

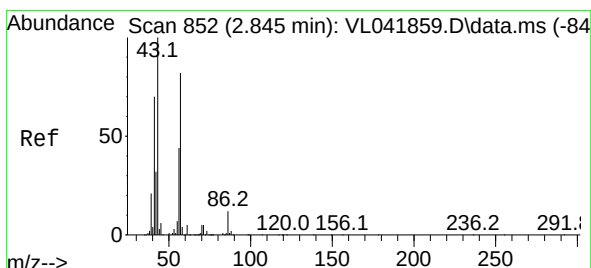
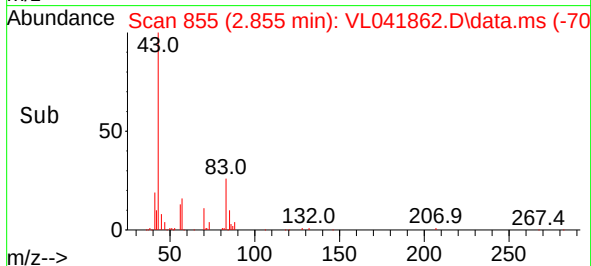
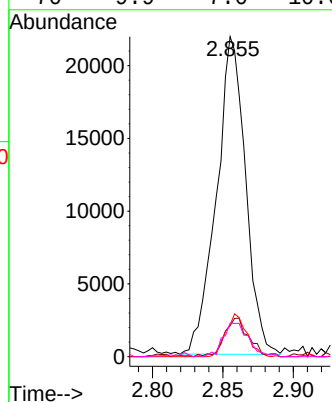
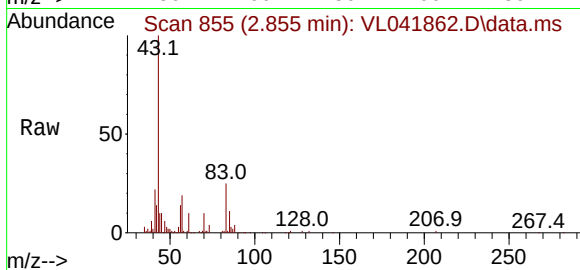
Ion Ratio Lower Upper

43 100

45 10.4 8.4 12.6

61 9.9 7.3 10.9

70 9.9 7.0 10.6



#26

Hexane

Concen: 0.877 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion: 57 Resp: 13451

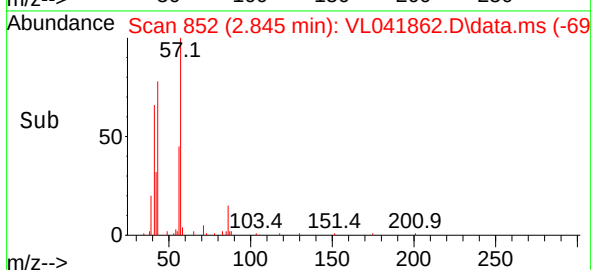
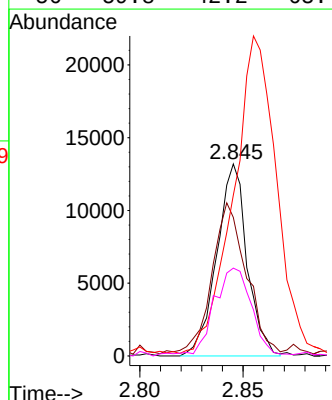
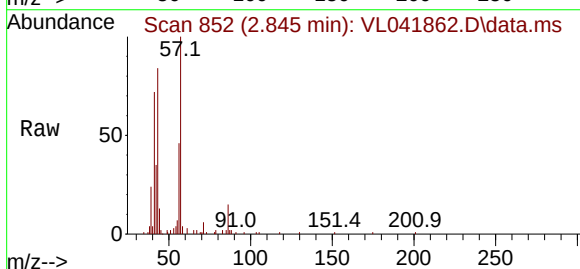
Ion Ratio Lower Upper

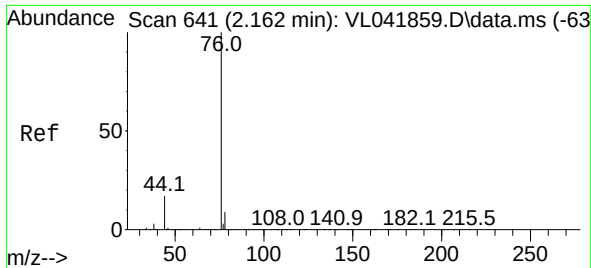
57 100

41 92.8 71.5 107.3

43 243.3 200.2 300.4

56 59.8 42.2 63.4

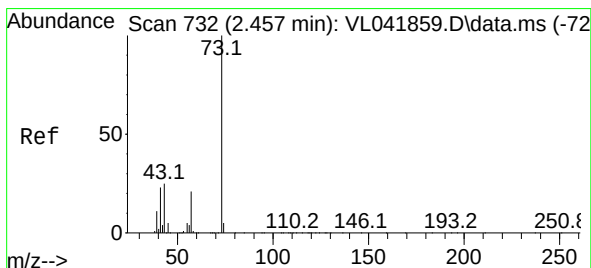
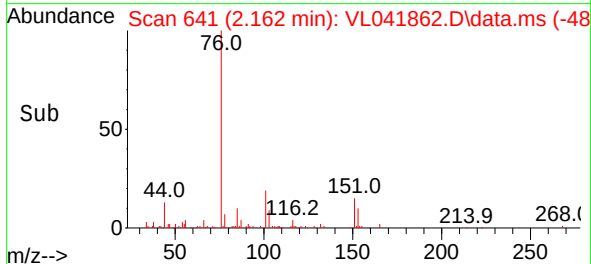
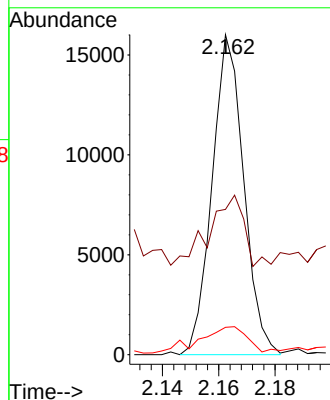
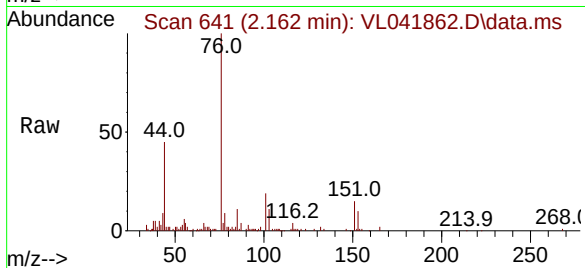




#27
Carbon Disulfide
Concen: 0.856 ppbv
RT: 2.162 min Scan# 641
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

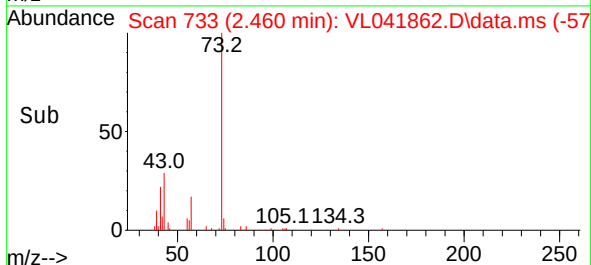
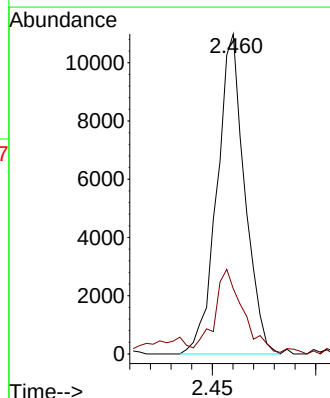
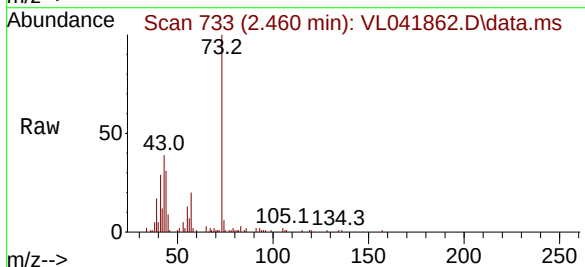
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

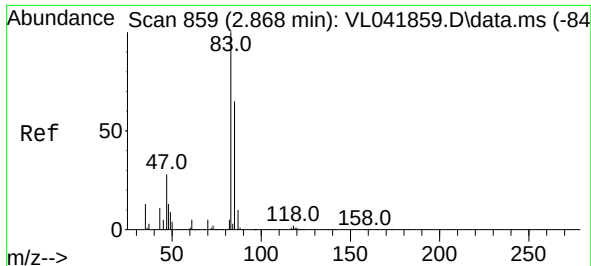
Tgt Ion: 76 Resp: 12466
Ion Ratio Lower Upper
76 100
44 57.5 13.1 19.7#
78 17.8 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.887 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 73 Resp: 10251
Ion Ratio Lower Upper
73 100
57 39.8 17.5 26.3#





#29

Chloroform

Concen: 0.643 ppbv

RT: 2.865 min Scan# 859

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

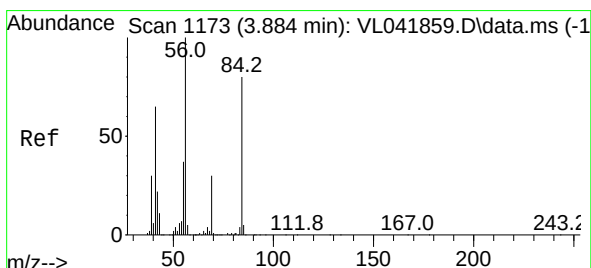
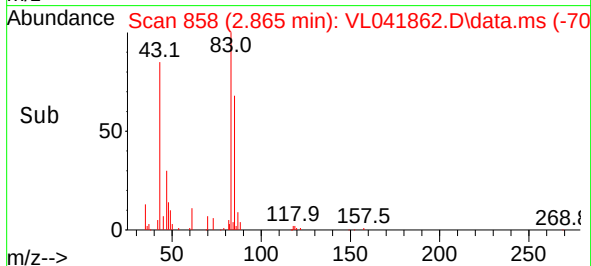
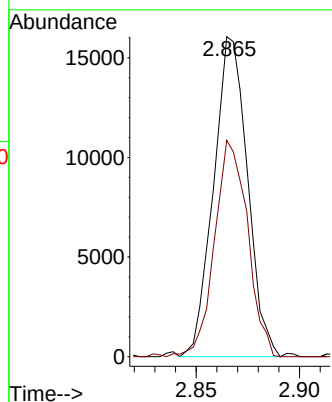
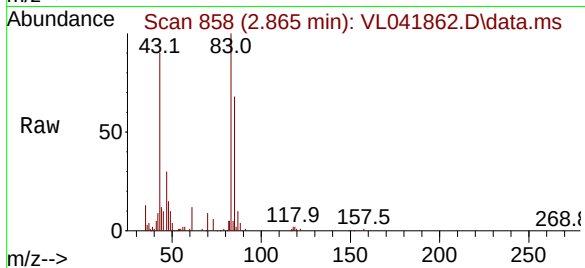
VSTDIC0.5

Tgt Ion: 83 Resp: 18316

Ion Ratio Lower Upper

83 100

85 67.6 51.7 77.5



#30

Cyclohexane

Concen: 0.616 ppbv

RT: 3.884 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

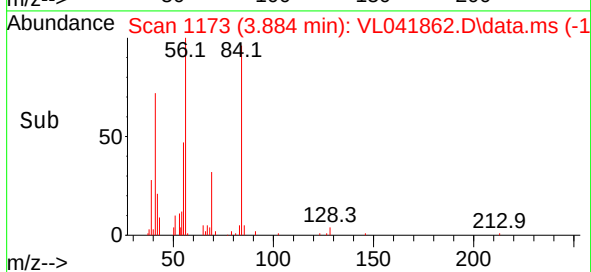
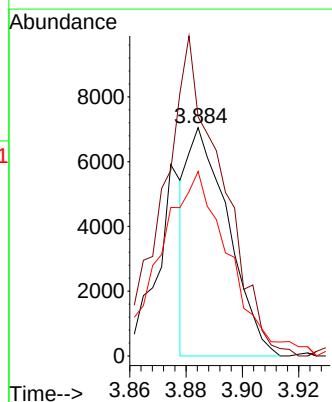
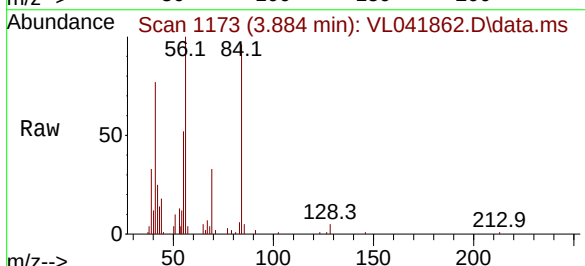
Tgt Ion: 84 Resp: 7160

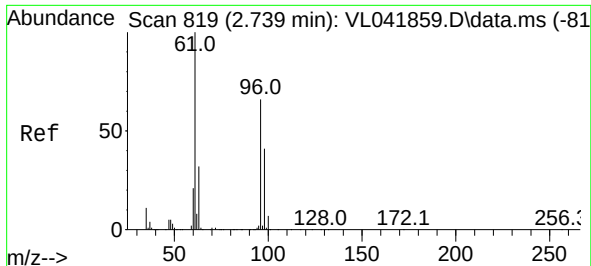
Ion Ratio Lower Upper

84 100

56 205.1 100.7 151.1#

41 128.9 62.8 94.2#

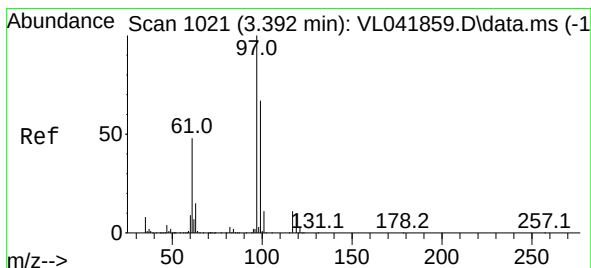
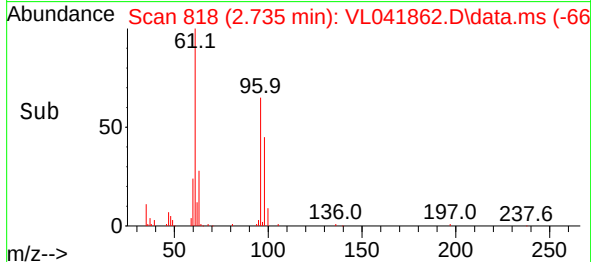
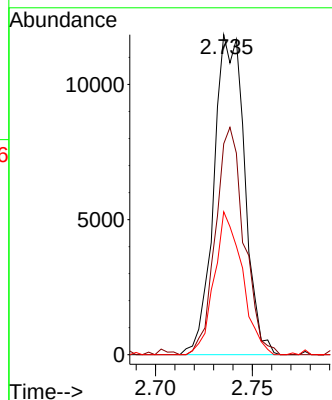
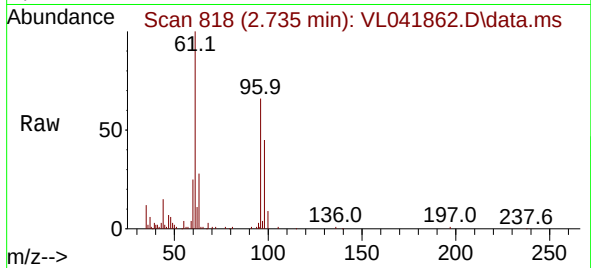




#31
 cis-1,2-Dichloroethene
 Concen: 0.826 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. -0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

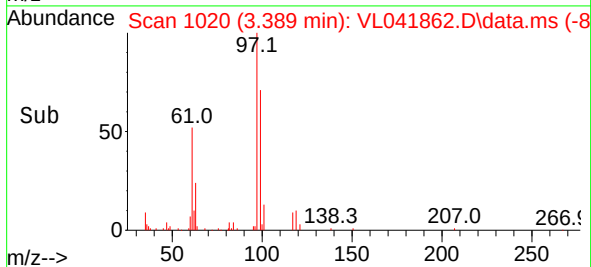
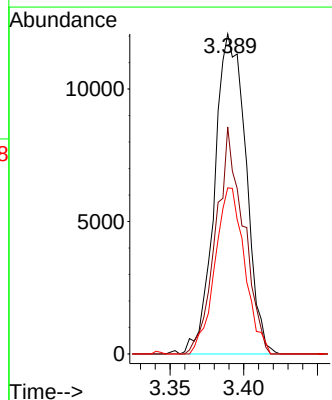
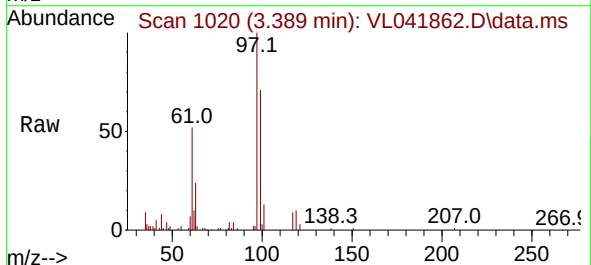
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

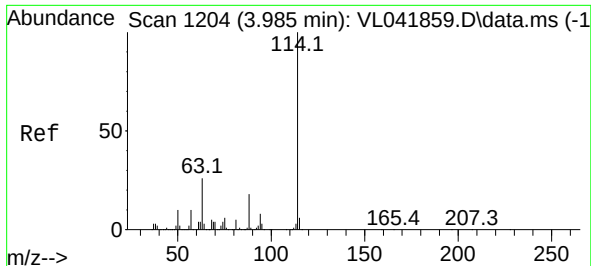
Tgt Ion: 61 Resp: 13045
 Ion Ratio Lower Upper
 61 100
 96 65.9 53.2 79.8
 98 44.7 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 0.690 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. -0.003 min
 Lab File: VL041862.D
 Acq: 09 Jan 2025 12:53

Tgt Ion: 97 Resp: 17819
 Ion Ratio Lower Upper
 97 100
 99 62.8 52.0 78.0
 61 49.4 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.985 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

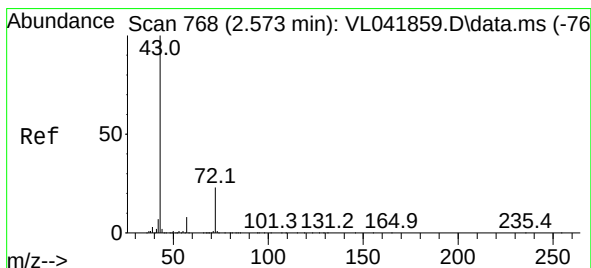
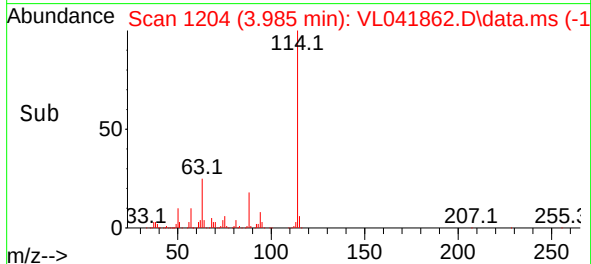
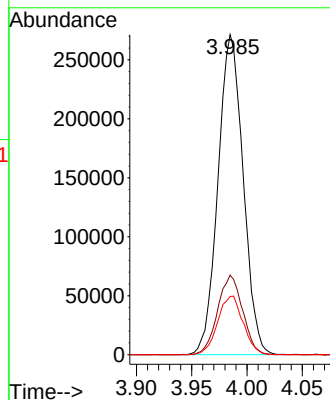
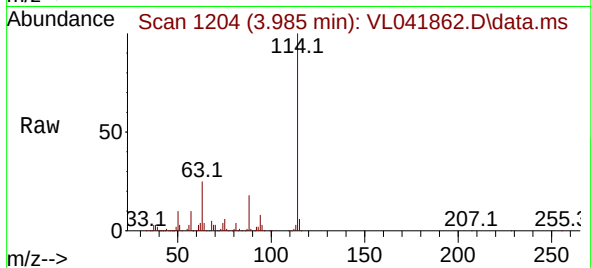
Tgt Ion:114 Resp: 429322

Ion Ratio Lower Upper

114 100

63 24.6 20.3 30.5

88 18.5 14.6 21.8



#34

2-Butanone

Concen: 0.562 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.003 min

Lab File: VL041862.D

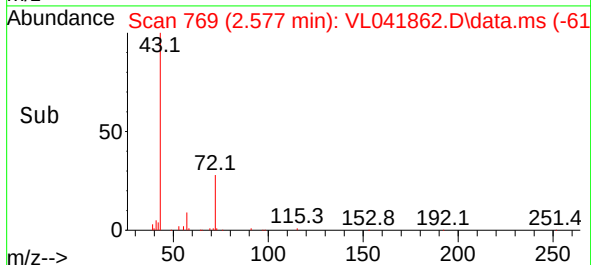
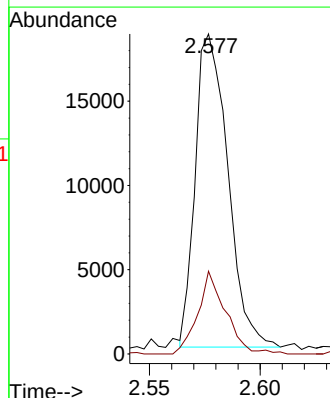
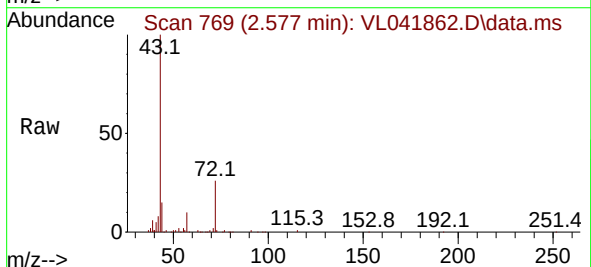
Acq: 09 Jan 2025 12:53

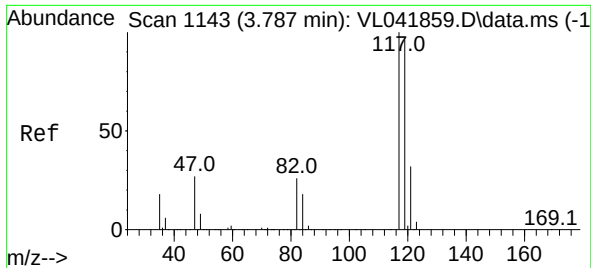
Tgt Ion: 43 Resp: 19019

Ion Ratio Lower Upper

43 100

72 22.6 18.5 27.7

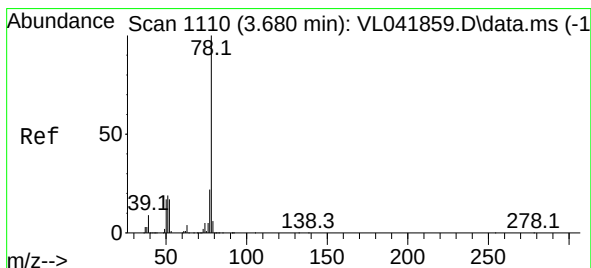
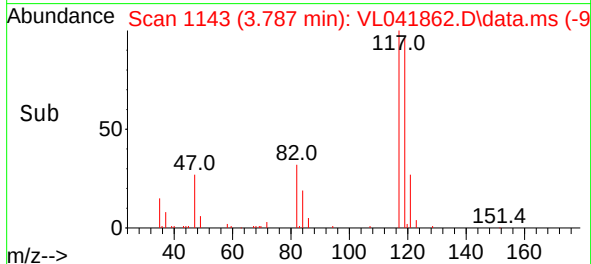
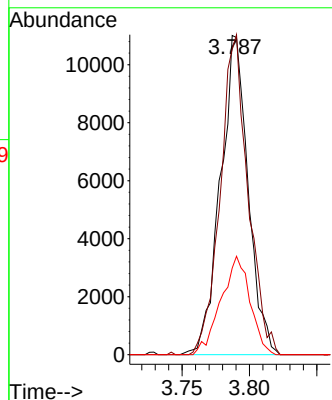
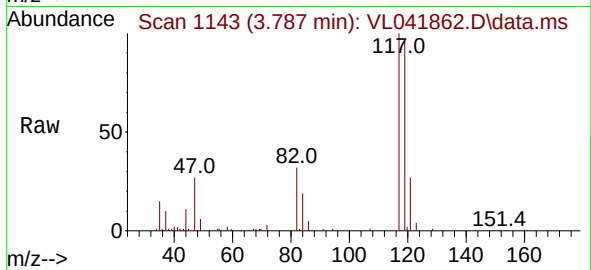




#35
Carbon Tetrachloride
Concen: 0.485 ppbv
RT: 3.787 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

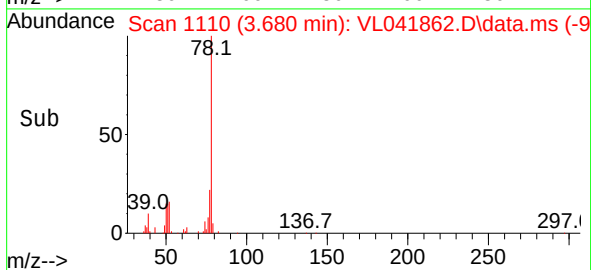
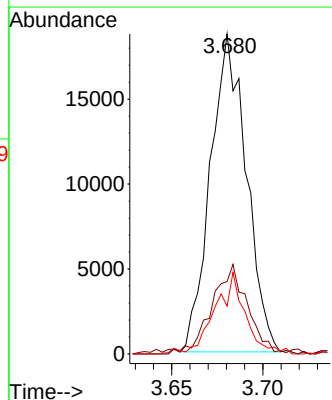
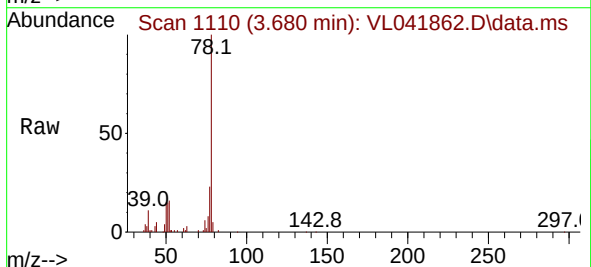
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

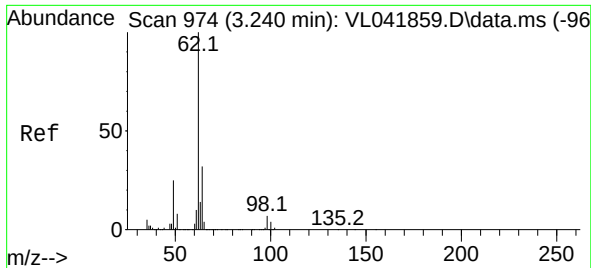
Tgt Ion:117 Resp: 15737
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3
121 27.1 25.9 38.9



#36
Benzene
Concen: 0.625 ppbv
RT: 3.680 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 78 Resp: 25621
Ion Ratio Lower Upper
78 100
77 22.2 17.9 26.9
50 14.1 13.7 20.5

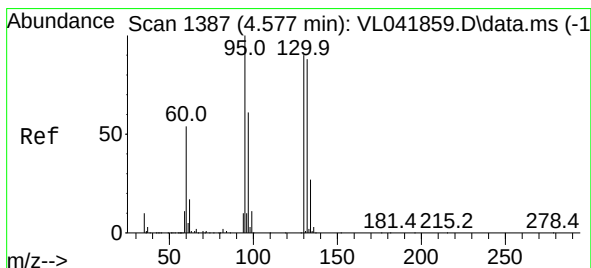
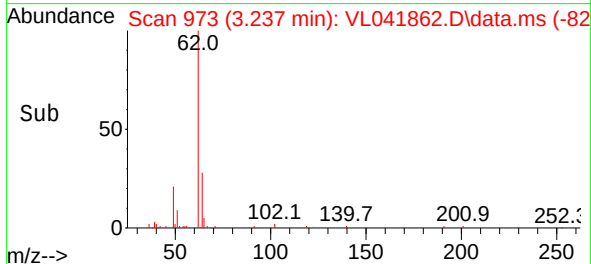
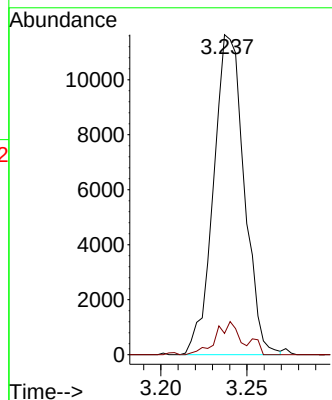
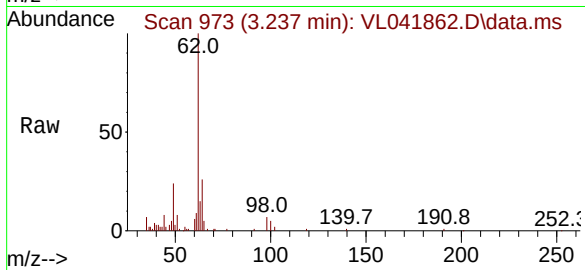




#37
1,2-Dichloroethane
Concen: 0.535 ppbv
RT: 3.237 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

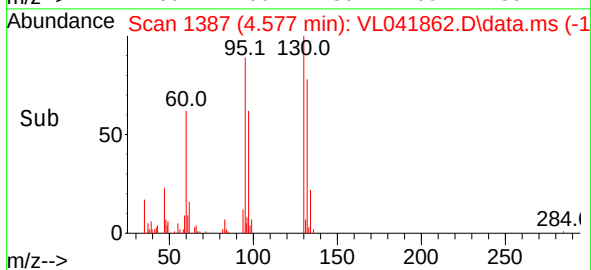
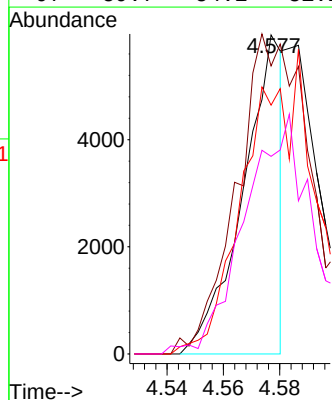
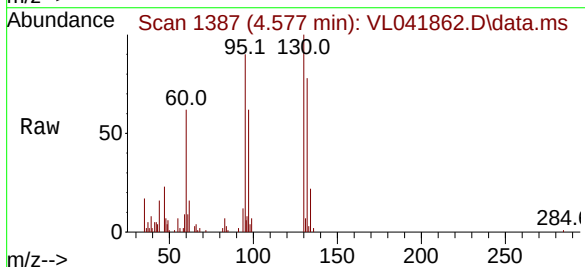
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

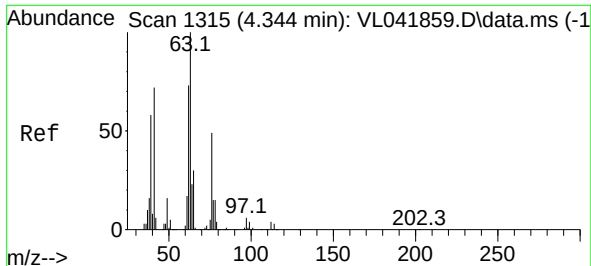
Tgt Ion: 62 Resp: 14429
Ion Ratio Lower Upper
62 100
98 9.4 5.6 8.4#



#38
Trichloroethene
Concen: 0.366 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion:130 Resp: 5766
Ion Ratio Lower Upper
130 100
95 90.9 88.5 132.7
132 75.8 78.2 117.2#
97 59.7 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.356 ppbv

RT: 4.344 min Scan# 1405

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

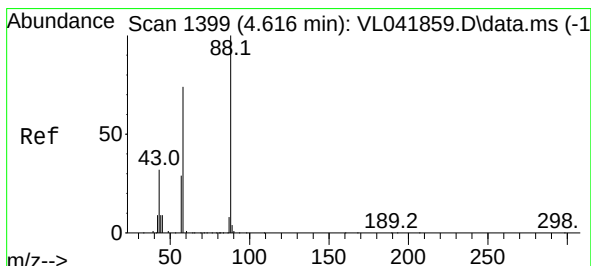
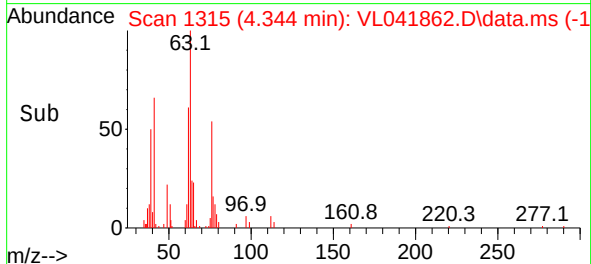
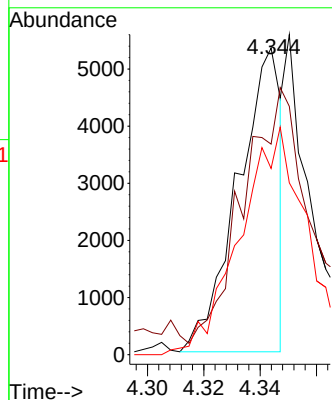
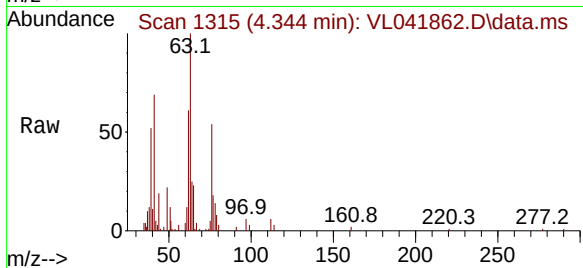
Tgt Ion: 63 Resp: 5652

Ion Ratio Lower Upper

63 100

41 59.0 58.0 87.0

62 60.2 58.6 87.8



#40

1,4-Dioxane

Concen: 0.649 ppbv

RT: 4.638 min Scan# 1406

Delta R.T. 0.023 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion: 88 Resp: 3986

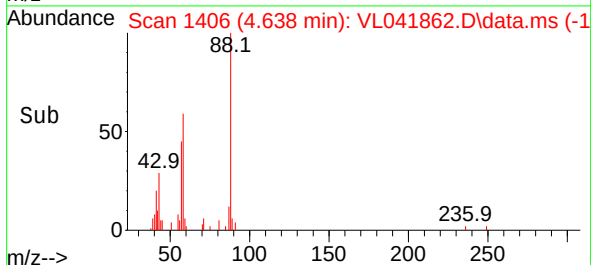
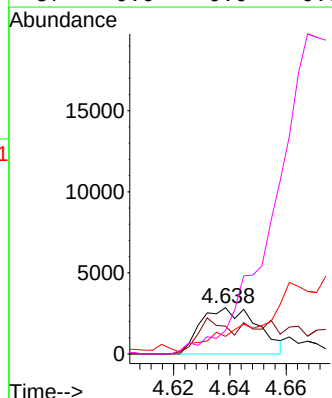
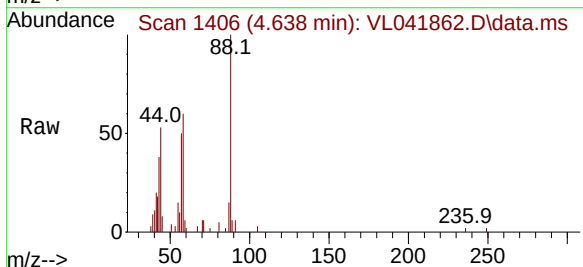
Ion Ratio Lower Upper

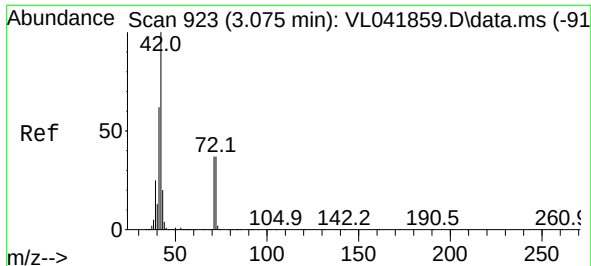
88 100

58 66.8 52.2 78.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.716 ppbv

RT: 3.085 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

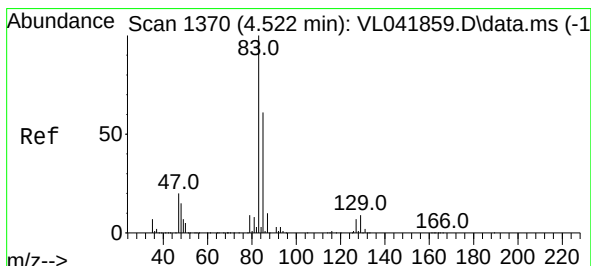
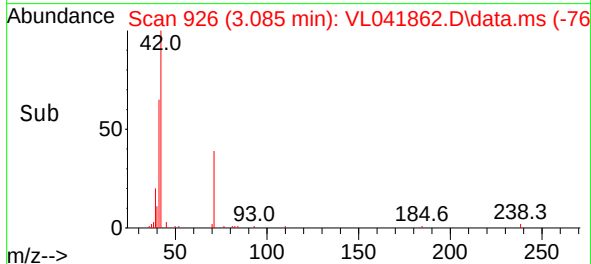
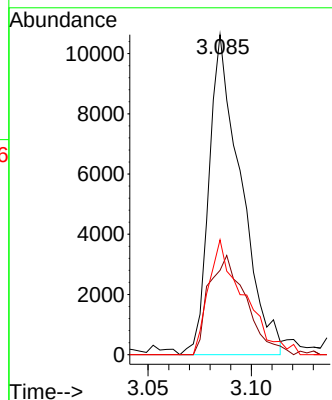
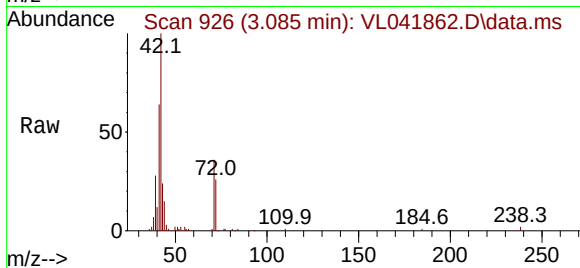
Tgt Ion: 42 Resp: 11404

Ion Ratio Lower Upper

42 100

72 36.8 30.8 46.2

71 39.9 30.1 45.1



#42

Bromodichloromethane

Concen: 0.569 ppbv

RT: 4.525 min Scan# 1371

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

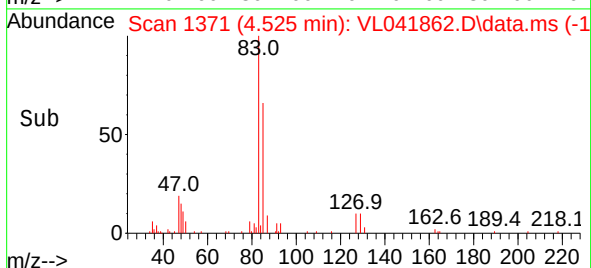
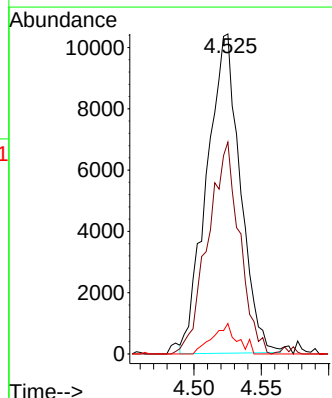
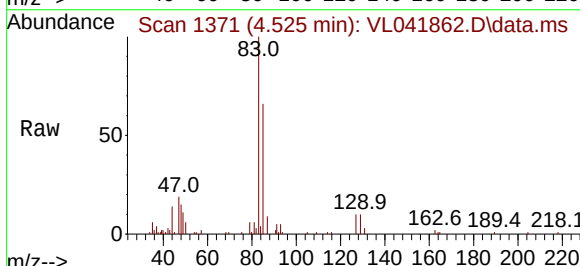
Tgt Ion: 83 Resp: 18000

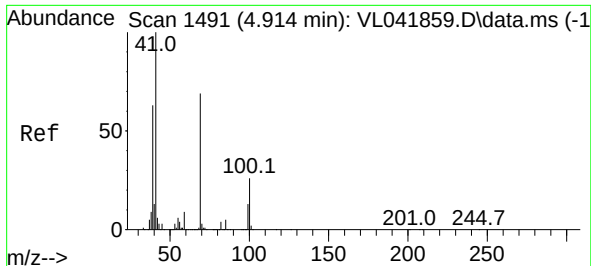
Ion Ratio Lower Upper

83 100

85 66.5 48.9 73.3

127 9.6 5.4 8.2#





#43

Methyl Methacrylate

Concen: 0.576 ppbv

RT: 4.923 min Scan# 1491

Delta R.T. 0.010 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

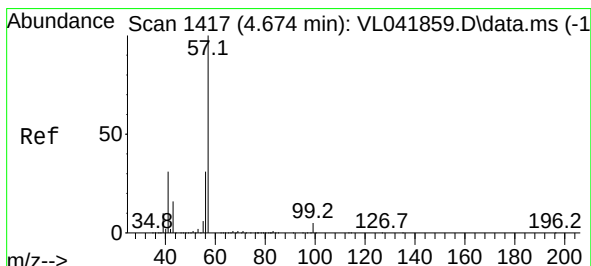
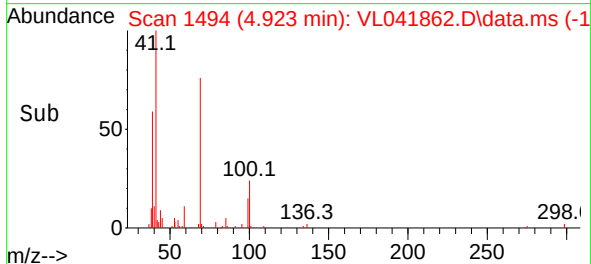
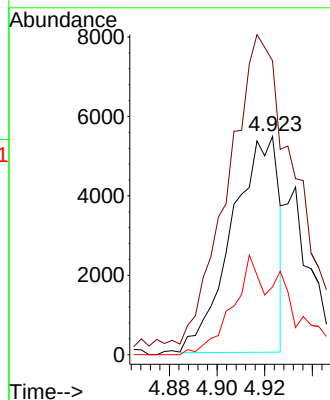
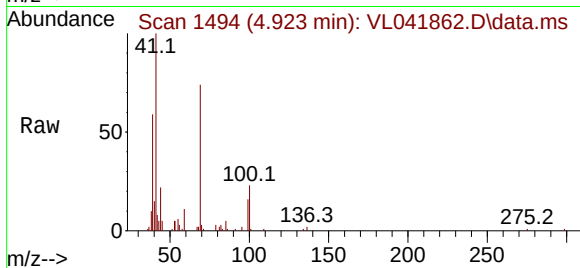
Tgt Ion: 69 Resp: 7420

Ion Ratio Lower Upper

69 100

41 214.9 116.2 174.4#

100 54.1 29.8 44.8#



#44

2,2,4-Trimethylpentane

Concen: 0.604 ppbv

RT: 4.668 min Scan# 1415

Delta R.T. -0.006 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

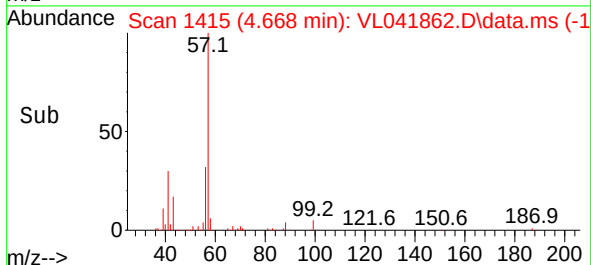
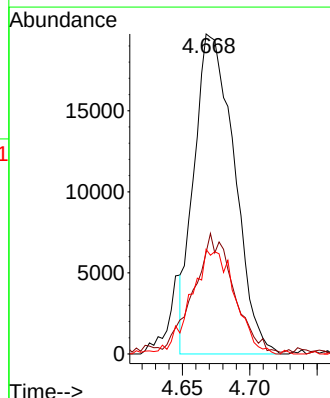
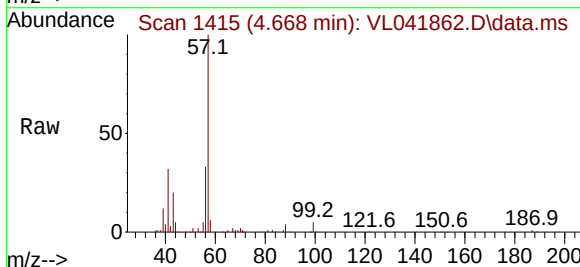
Tgt Ion: 57 Resp: 40802

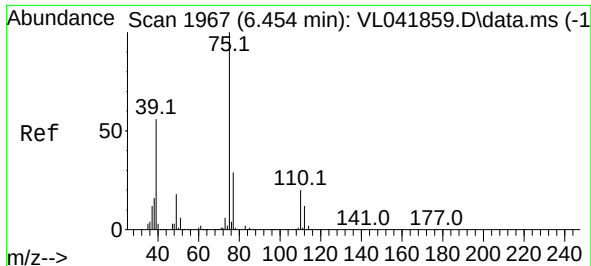
Ion Ratio Lower Upper

57 100

41 39.6 25.5 38.3#

56 36.1 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.844 ppbv

RT: 6.451 min Scan# 1966

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

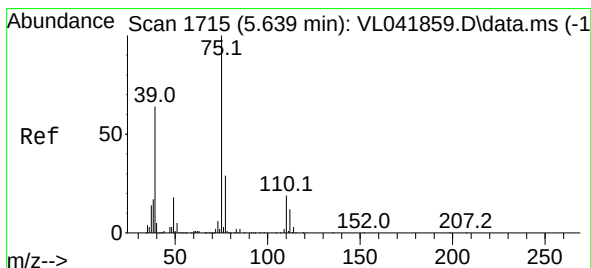
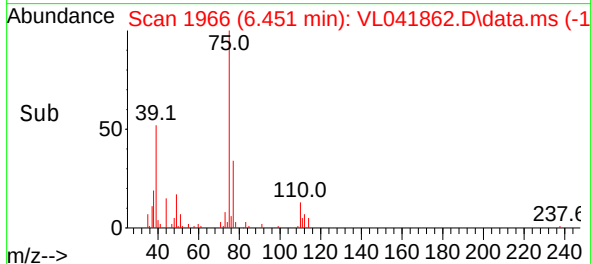
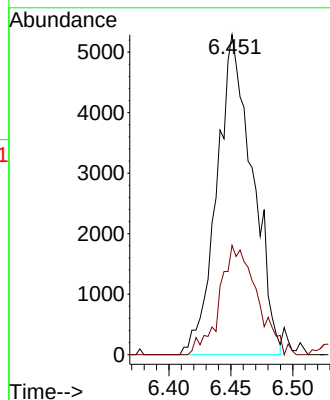
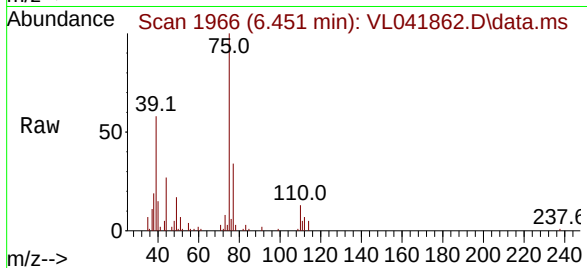
VSTDIC0.5

Tgt Ion: 75 Resp: 10609

Ion Ratio Lower Upper

75 100

77 34.1 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 0.831 ppbv

RT: 5.642 min Scan# 1716

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

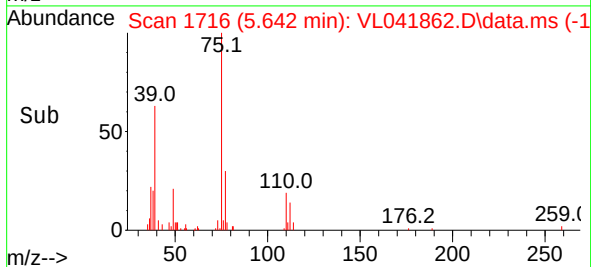
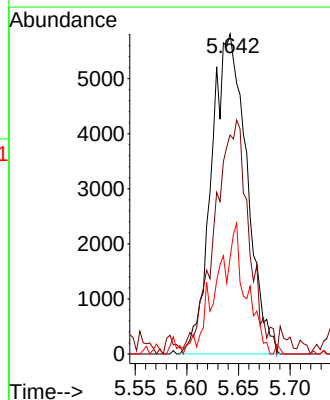
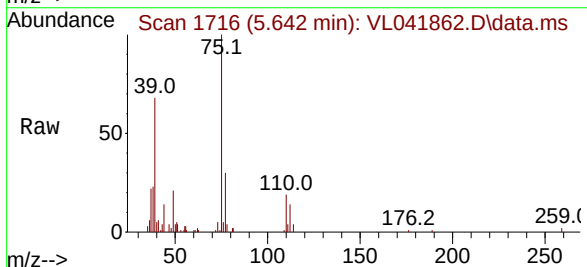
Tgt Ion: 75 Resp: 13758

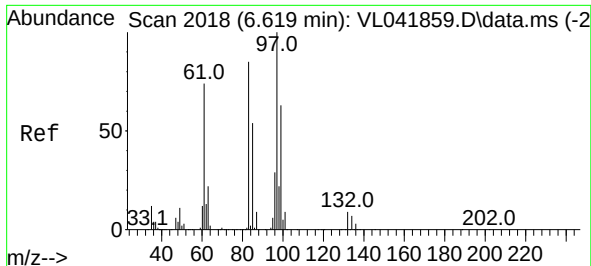
Ion Ratio Lower Upper

75 100

39 66.6 51.4 77.2

77 28.6 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 0.457 ppbv

RT: 6.626 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 7651

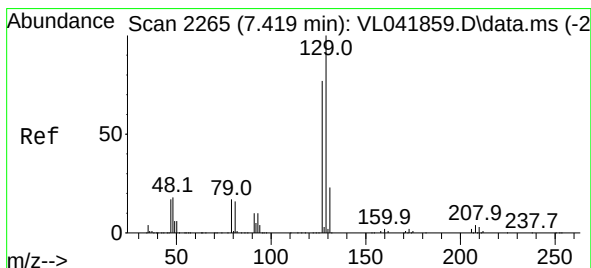
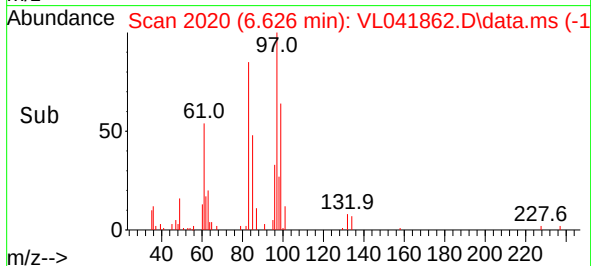
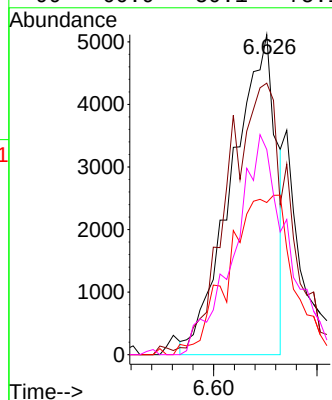
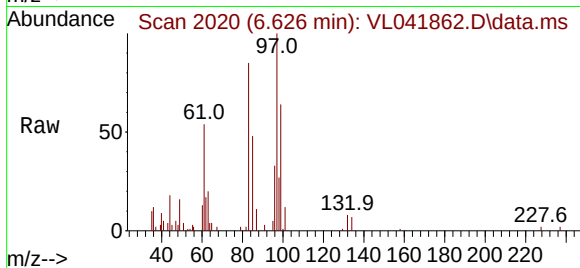
Ion Ratio Lower Upper

97 100

83 86.2 68.1 102.1

85 46.3 43.4 65.2

99 66.9 50.1 75.1



#48

Dibromochloromethane

Concen: 0.640 ppbv

RT: 7.419 min Scan# 2265

Delta R.T. -0.000 min

Lab File: VL041862.D

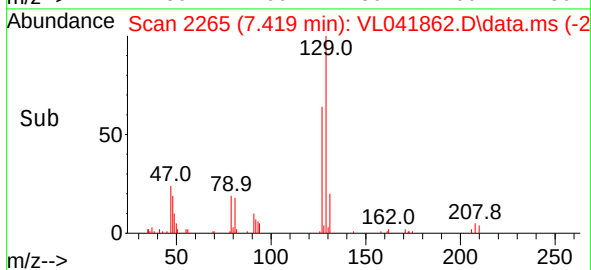
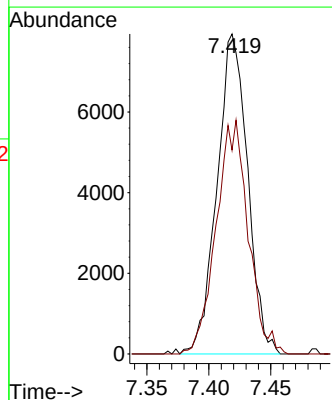
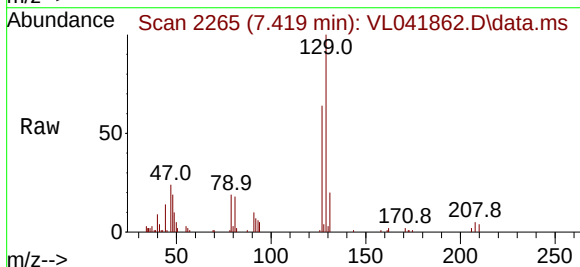
Acq: 09 Jan 2025 12:53

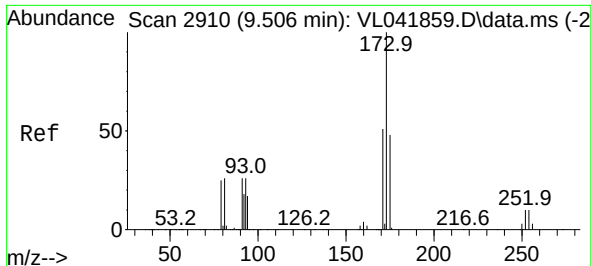
Tgt Ion: 129 Resp: 13671

Ion Ratio Lower Upper

129 100

127 76.3 39.4 118.1





#49

Bromoform

Concen: 0.654 ppbv

RT: 9.510 min Scan# 2910

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

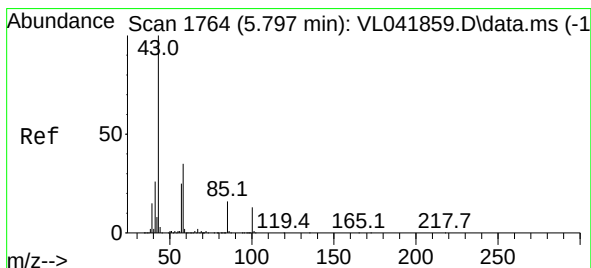
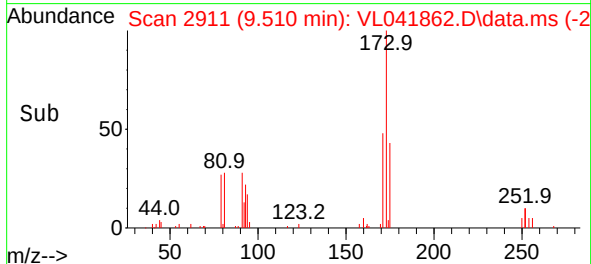
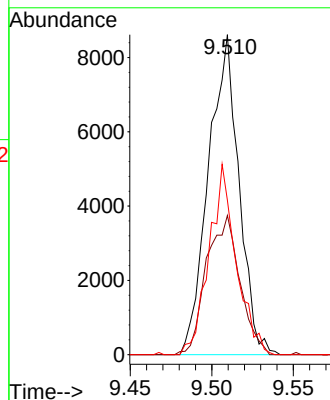
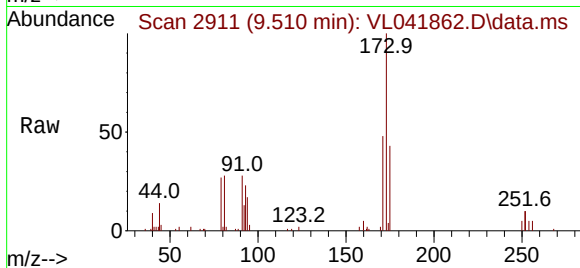
Tgt Ion:173 Resp: 11202

Ion Ratio Lower Upper

173 100

175 47.7 38.2 57.2

171 53.0 41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 0.149 ppbv

RT: 5.797 min Scan# 1764

Delta R.T. -0.000 min

Lab File: VL041862.D

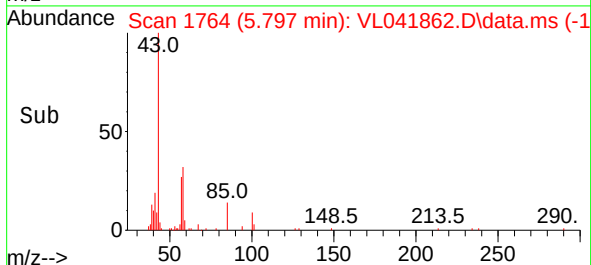
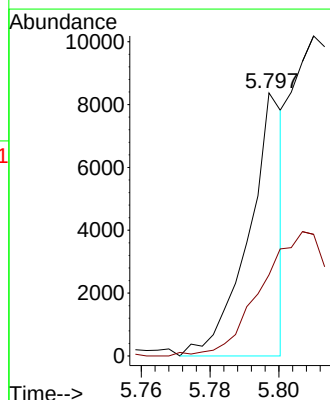
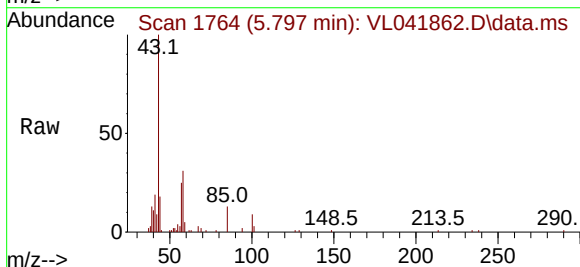
Acq: 09 Jan 2025 12:53

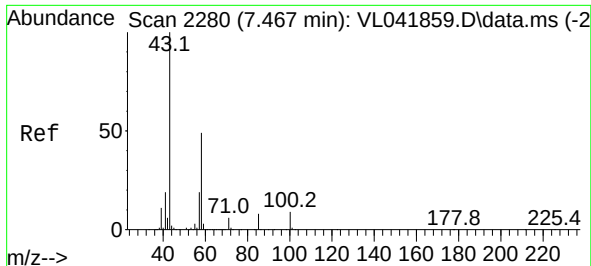
Tgt Ion: 43 Resp: 5841

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#

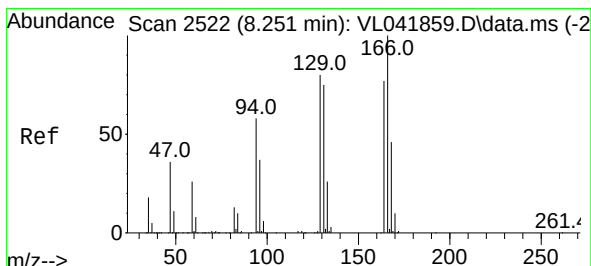
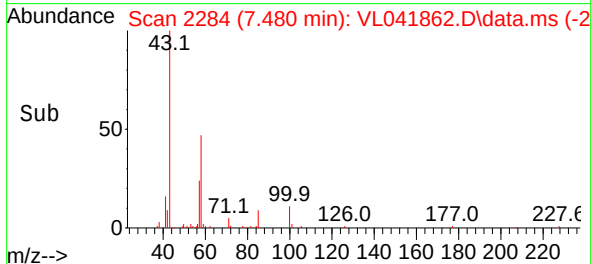
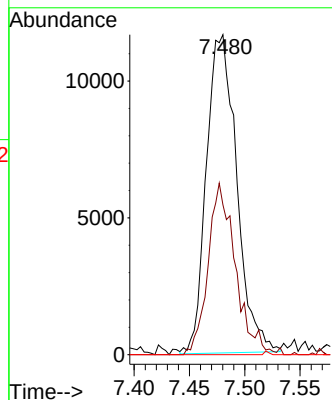
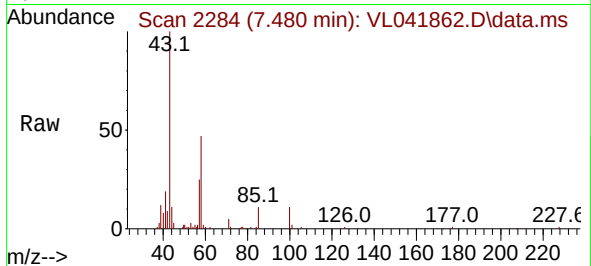




#51
2-Hexanone
Concen: 0.750 ppbv
RT: 7.480 min Scan# 2280
Delta R.T. 0.013 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

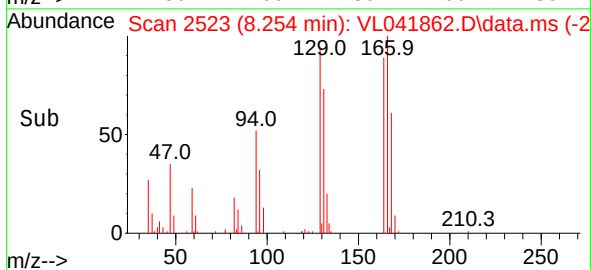
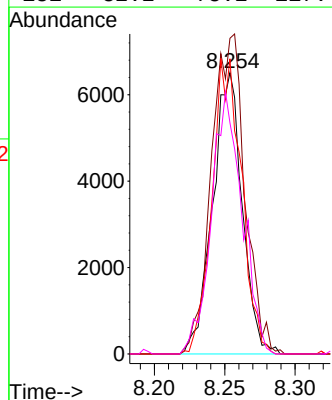
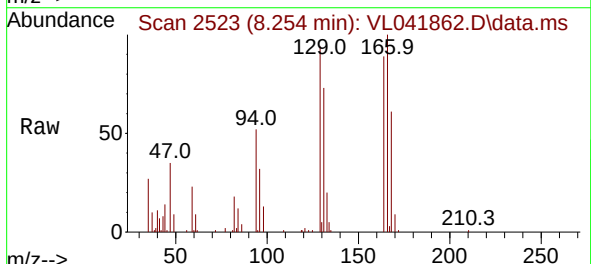
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

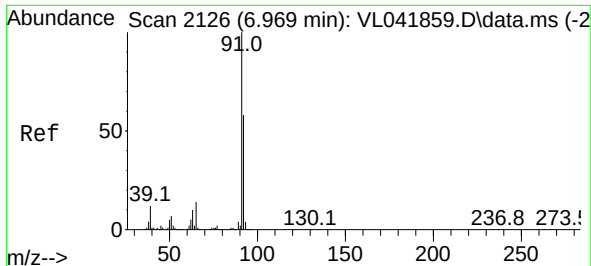
Tgt Ion: 43 Resp: 22189
Ion Ratio Lower Upper
43 100
58 48.7 40.0 60.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.785 ppbv
RT: 8.254 min Scan# 2523
Delta R.T. 0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion: 164 Resp: 9543
Ion Ratio Lower Upper
164 100
166 112.2 103.6 155.4
129 105.0 82.6 123.8
131 82.2 78.2 117.4





#53

Toluene

Concen: 0.848 ppbv

RT: 6.966 min Scan# 2126

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

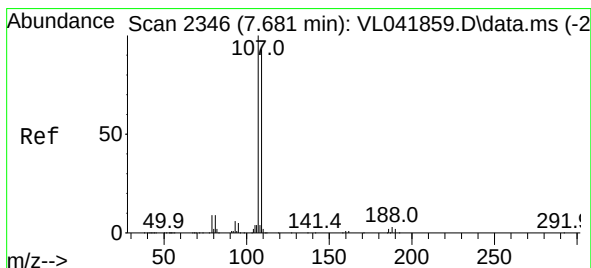
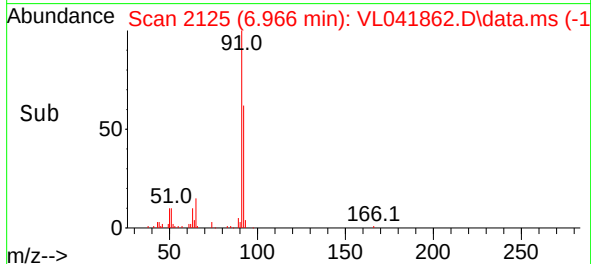
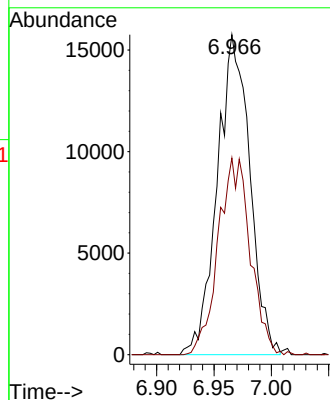
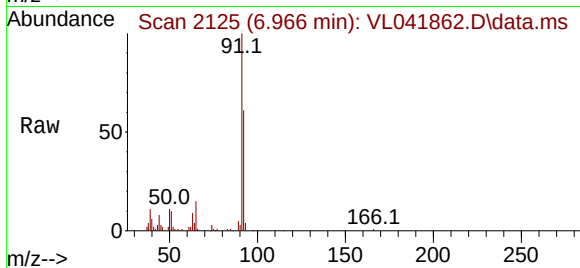
VSTDIC0.5

Tgt Ion: 91 Resp: 30969

Ion Ratio Lower Upper

91 100

92 60.9 47.2 70.8



#54

1,2-Dibromoethane

Concen: 0.646 ppbv

RT: 7.684 min Scan# 2347

Delta R.T. 0.003 min

Lab File: VL041862.D

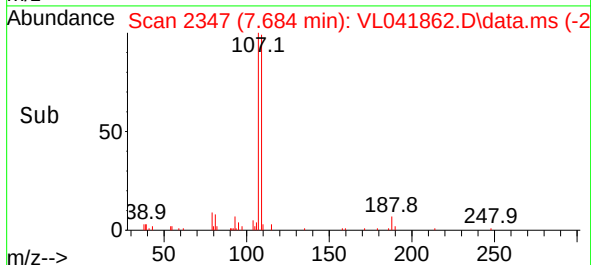
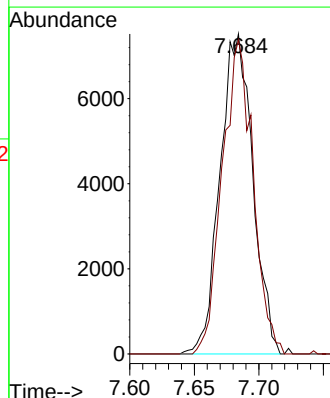
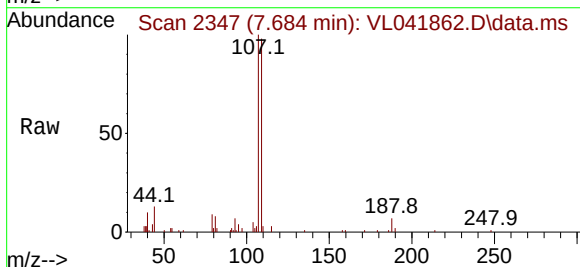
Acq: 09 Jan 2025 12:53

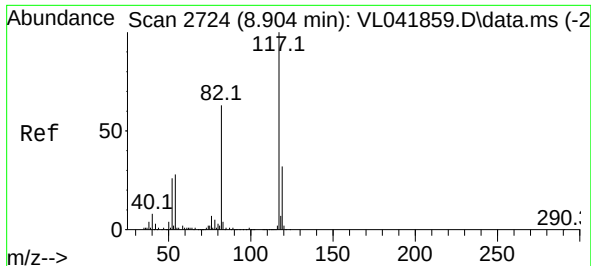
Tgt Ion: 107 Resp: 13281

Ion Ratio Lower Upper

107 100

109 98.2 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

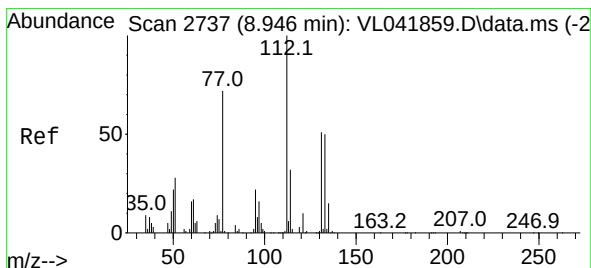
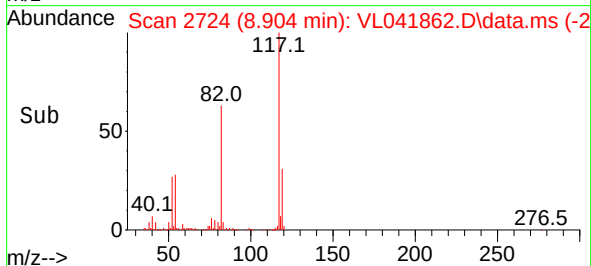
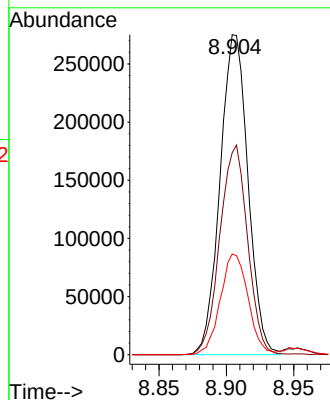
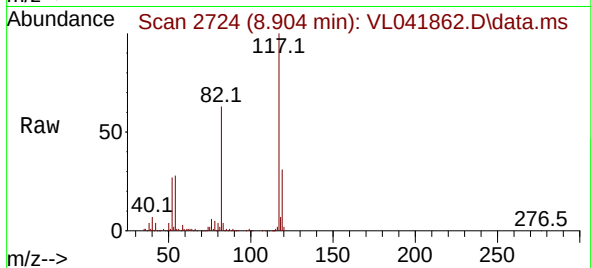
Tgt Ion:117 Resp: 397287

Ion Ratio Lower Upper

117 100

82 65.1 54.5 81.7

119 31.5 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.543 ppbv

RT: 8.950 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

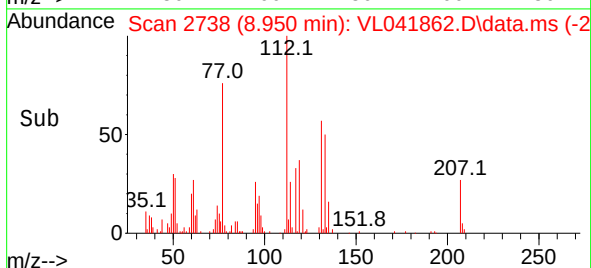
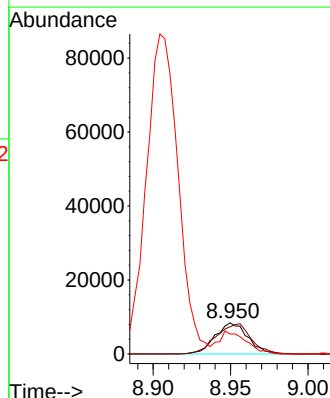
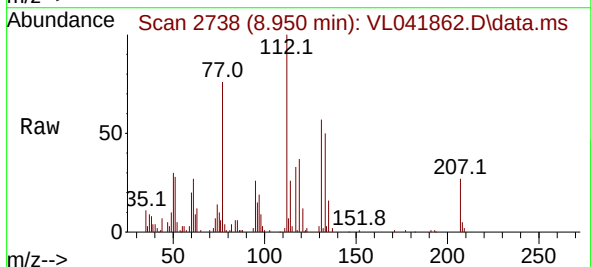
Tgt Ion:131 Resp: 12299

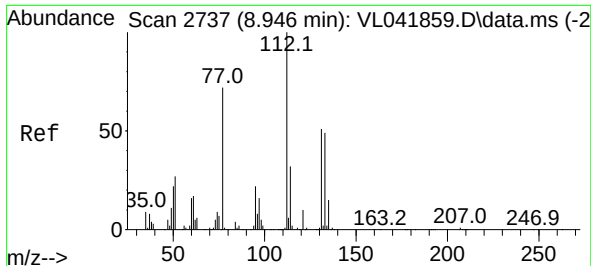
Ion Ratio Lower Upper

131 100

133 103.3 77.4 116.2

119 50.8 49.4 74.0





#57

Chlorobenzene

Concen: 0.560 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

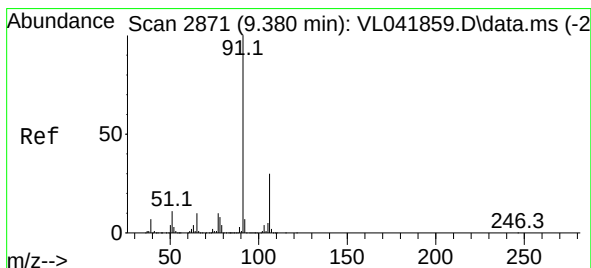
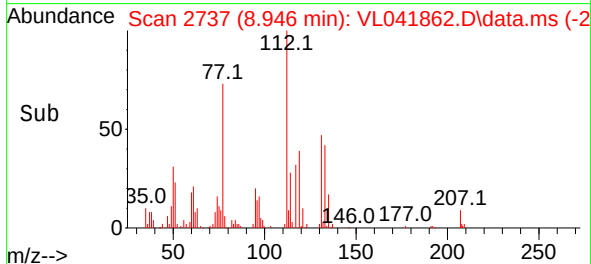
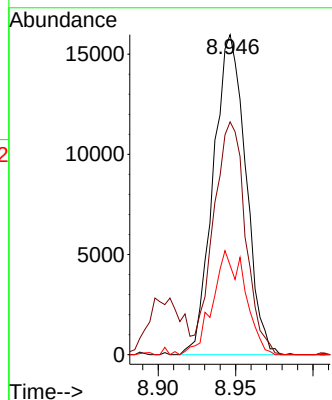
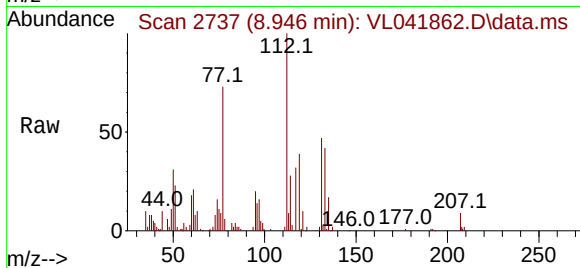
Tgt Ion:112 Resp: 23264

Ion Ratio Lower Upper

112 100

77 72.3 58.3 87.5

114 27.9 28.9 35.3#



#58

Ethyl Benzene

Concen: 0.773 ppbv

RT: 9.380 min Scan# 2871

Delta R.T. -0.000 min

Lab File: VL041862.D

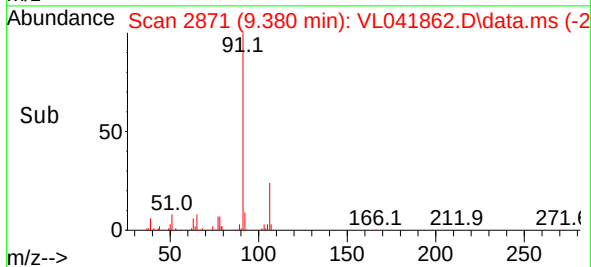
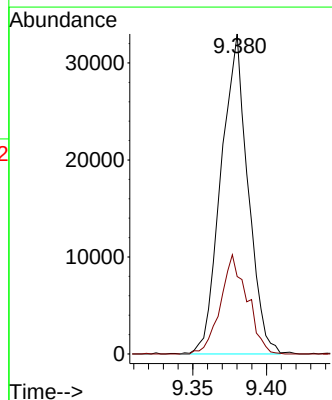
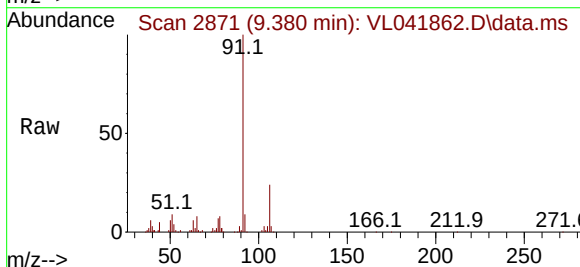
Acq: 09 Jan 2025 12:53

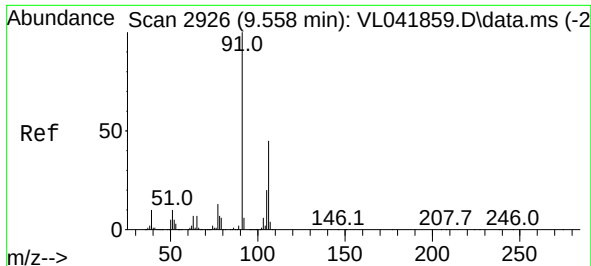
Tgt Ion: 91 Resp: 41863

Ion Ratio Lower Upper

91 100

106 24.2 24.2 36.2





#59

m/p-Xylene

Concen: 0.752 ppbv

RT: 9.555 min Scan# 2926

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

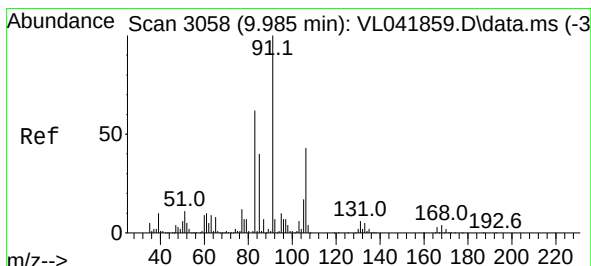
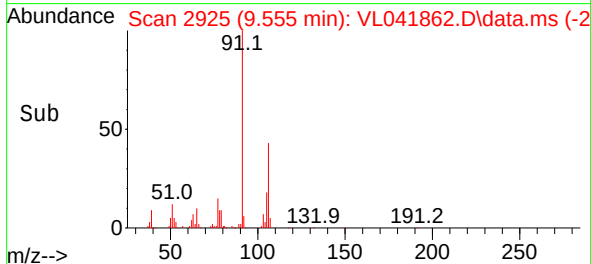
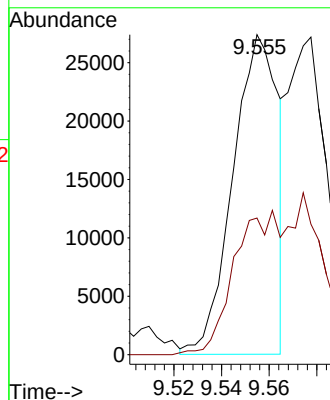
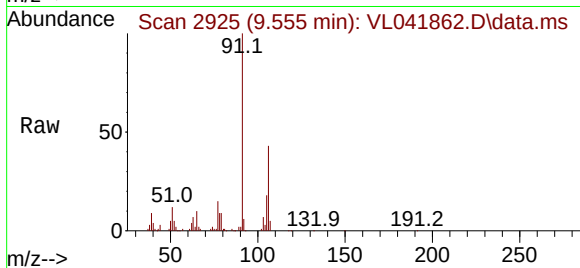
VSTDIC0.5

Tgt Ion: 91 Resp: 35867

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.732 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041862.D

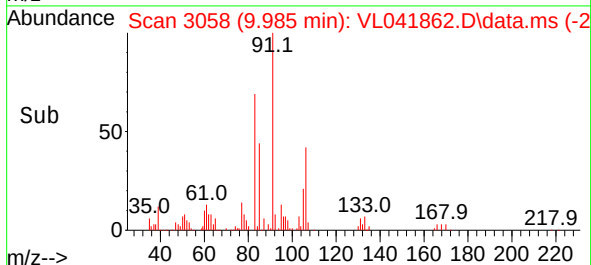
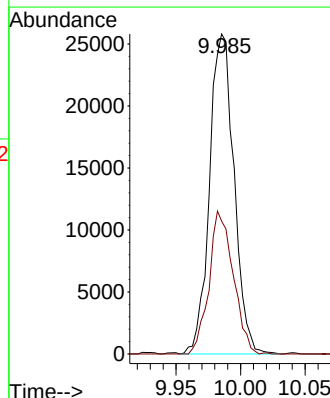
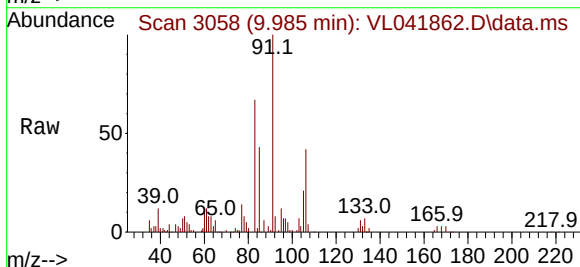
Acq: 09 Jan 2025 12:53

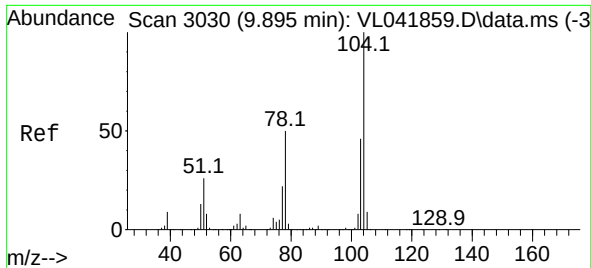
Tgt Ion: 91 Resp: 34021

Ion Ratio Lower Upper

91 100

106 44.1 21.4 64.3

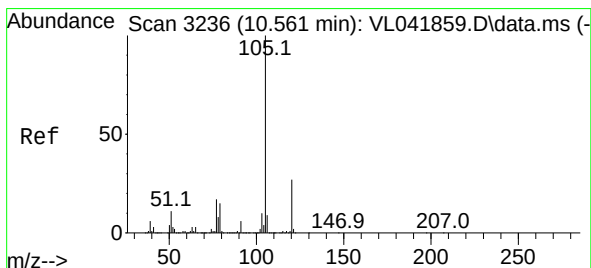
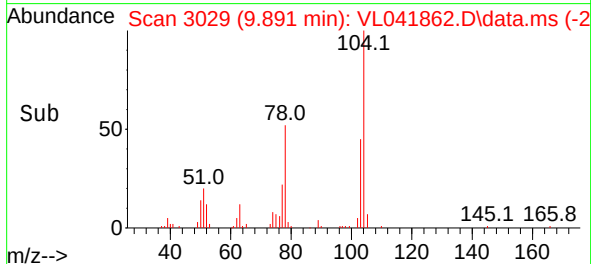
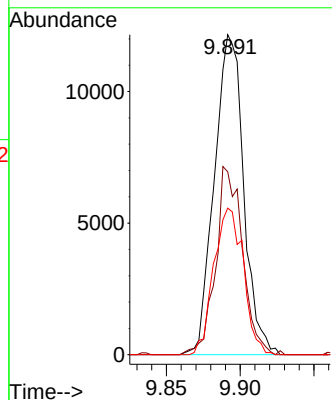
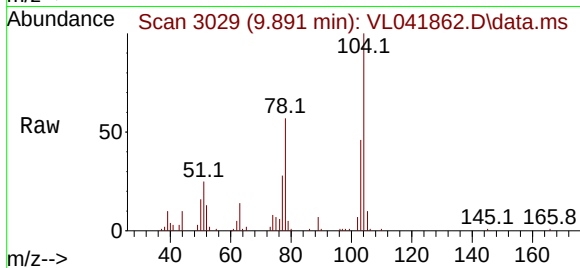




#61
Styrene
Concen: 0.931 ppbv
RT: 9.891 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

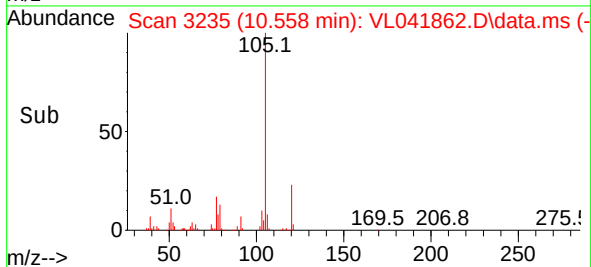
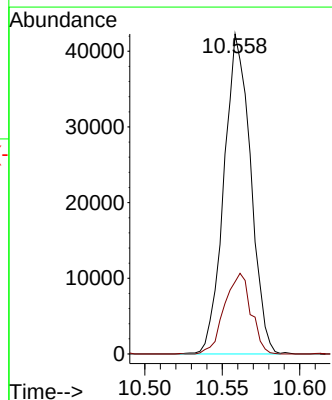
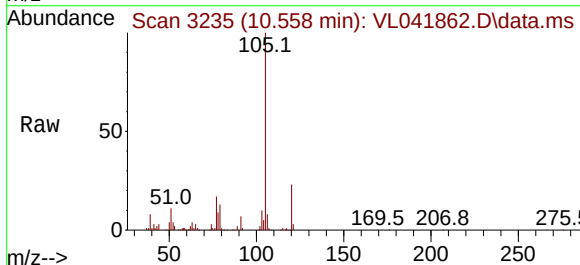
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

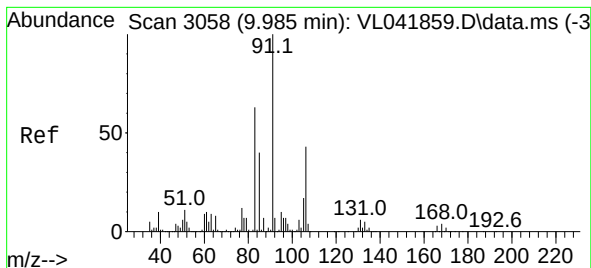
Tgt Ion:104 Resp: 16798
Ion Ratio Lower Upper
104 100
78 53.7 40.7 61.1
103 46.2 37.0 55.6



#62
Isopropylbenzene
Concen: 0.692 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion:105 Resp: 50575
Ion Ratio Lower Upper
105 100
120 25.2 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.495 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

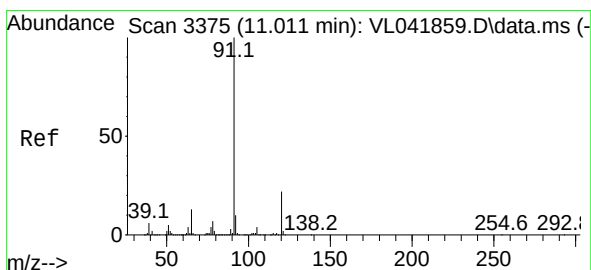
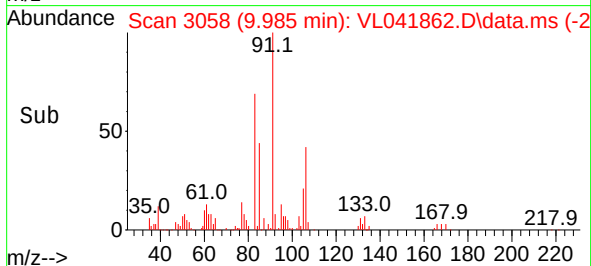
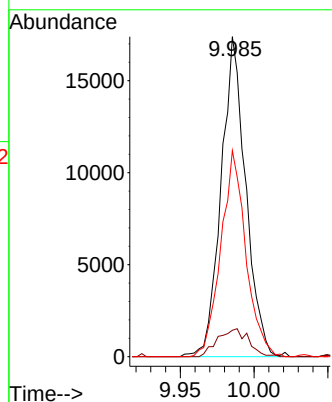
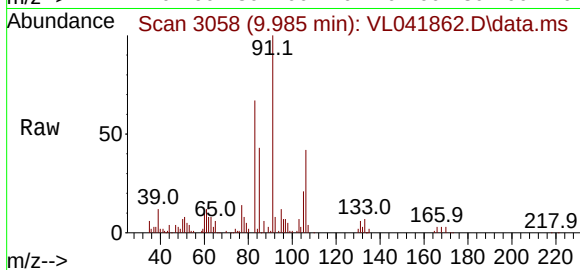
Tgt Ion: 83 Resp: 20172

Ion Ratio Lower Upper

83 100

131 10.9 4.8 14.3

85 65.7 32.1 96.3



#64

n-propylbenzene

Concen: 0.712 ppbv

RT: 11.008 min Scan# 3374

Delta R.T. -0.003 min

Lab File: VL041862.D

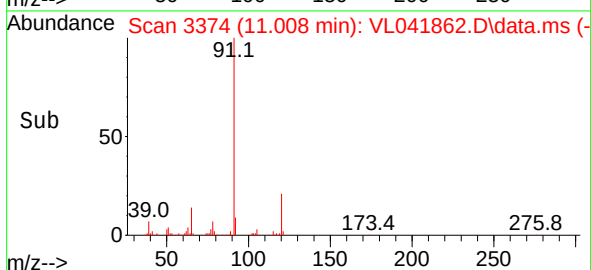
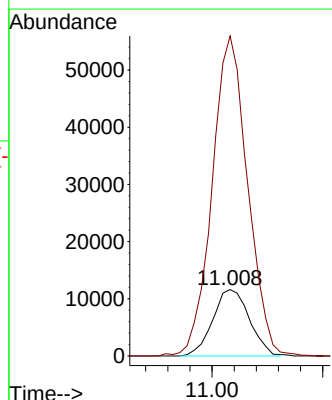
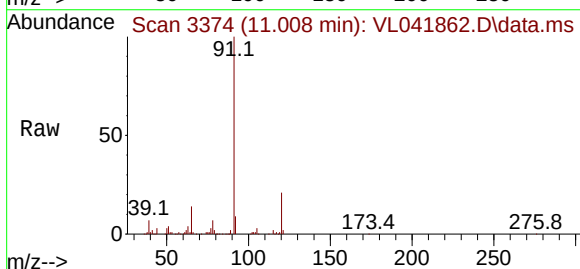
Acq: 09 Jan 2025 12:53

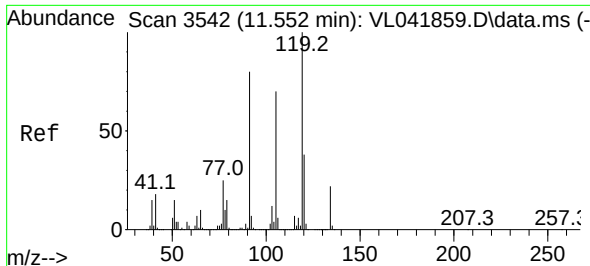
Tgt Ion: 120 Resp: 13351

Ion Ratio Lower Upper

120 100

91 466.9 376.9 565.3





#65

tert-Butylbenzene

Concen: 0.700 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

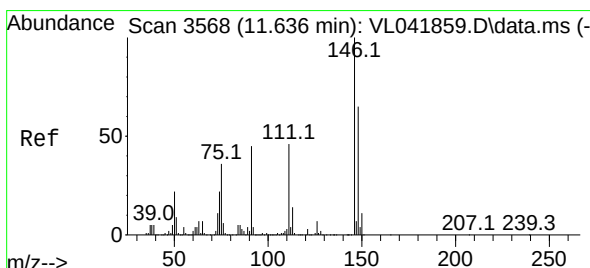
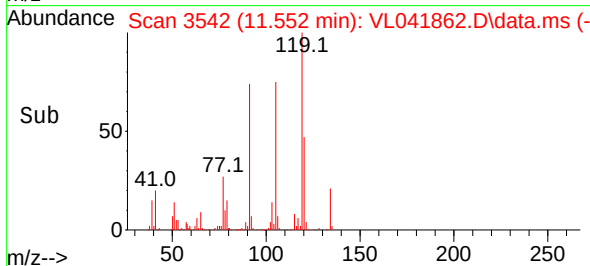
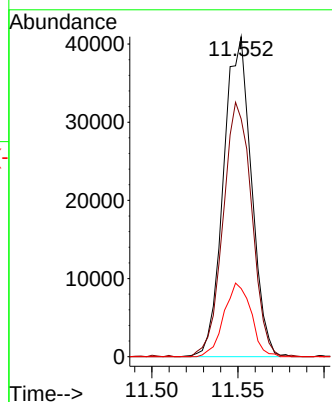
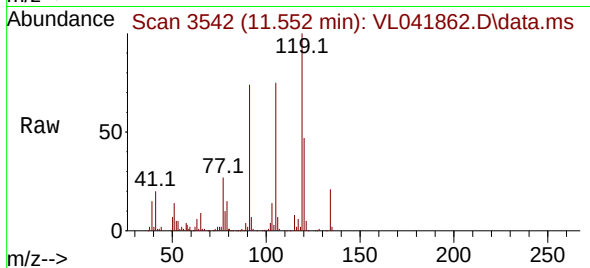
Tgt Ion:119 Resp: 46079

Ion Ratio Lower Upper

119 100

91 82.2 64.6 97.0

134 22.4 16.9 25.3



#66

Benzyl Chloride

Concen: 0.881 ppbv

RT: 11.633 min Scan# 3567

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

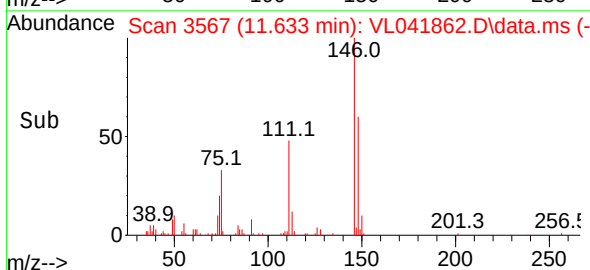
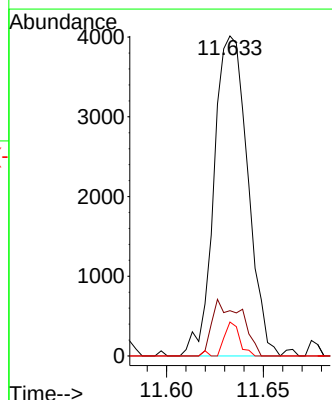
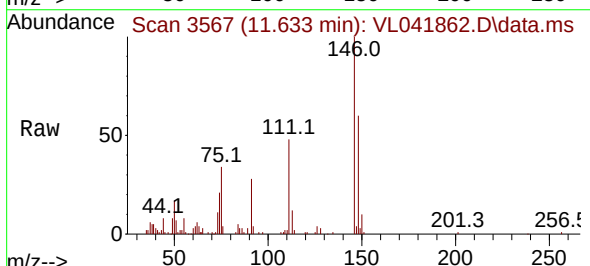
Tgt Ion: 91 Resp: 4858

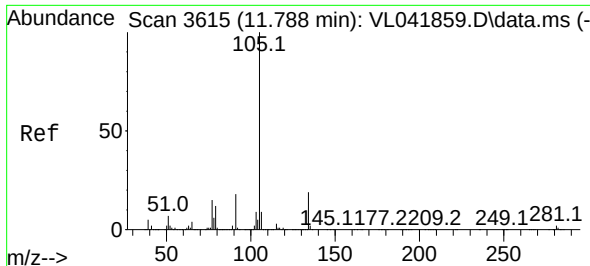
Ion Ratio Lower Upper

91 100

126 15.4 13.9 20.9

128 5.0 4.8 7.2





#67

sec-Butylbenzene

Concen: 0.677 ppbv

RT: 11.788 min Scan# 3615

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

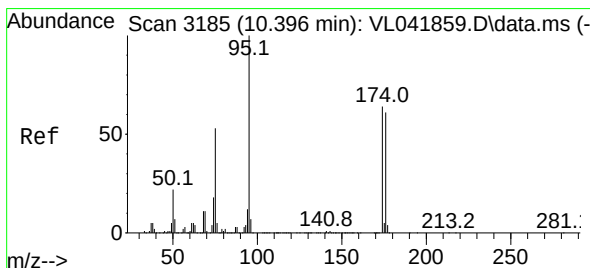
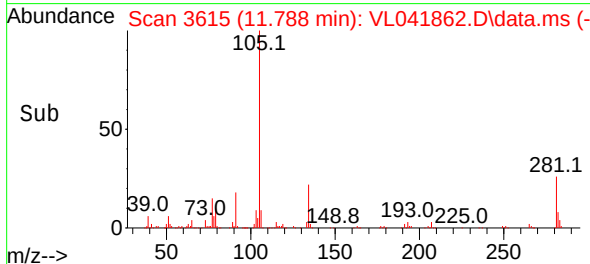
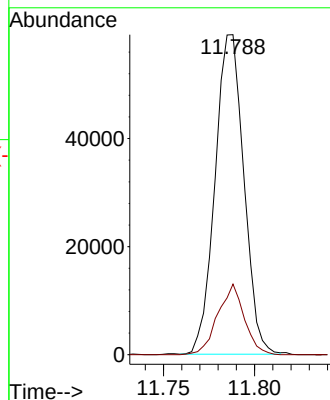
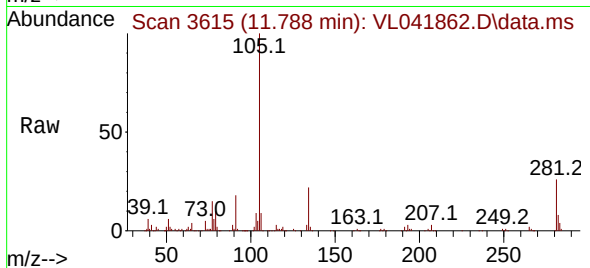
VSTDIC0.5

Tgt Ion:105 Resp: 65001

Ion Ratio Lower Upper

105 100

134 20.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.411 ppbv

RT: 10.396 min Scan# 3185

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

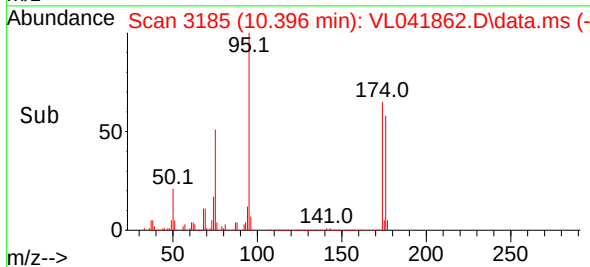
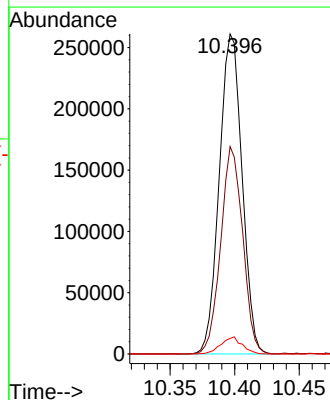
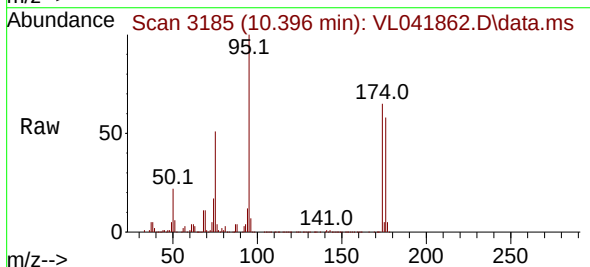
Tgt Ion: 95 Resp: 320213

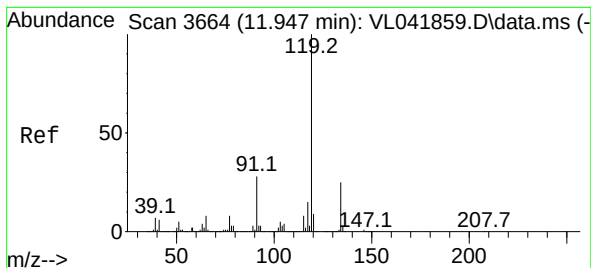
Ion Ratio Lower Upper

95 100

174 62.5 51.1 76.7

175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.713 ppbv

RT: 11.944 min Scan# 3663

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

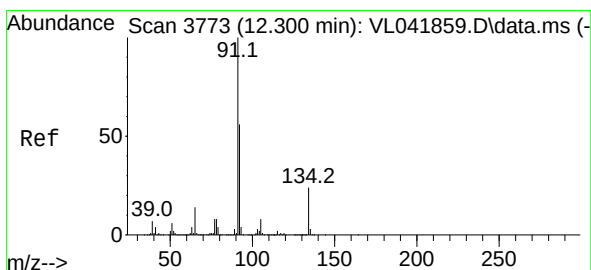
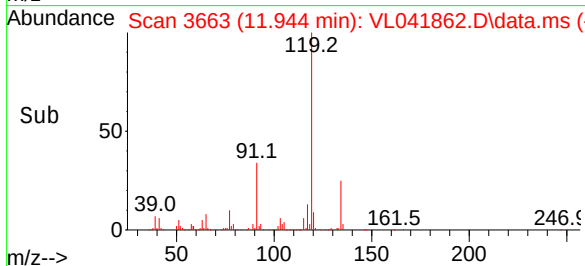
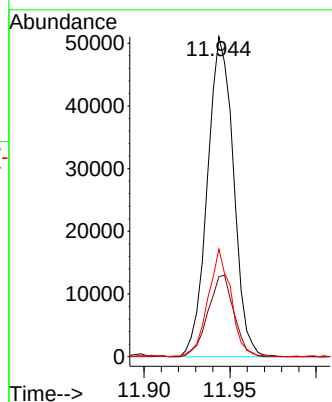
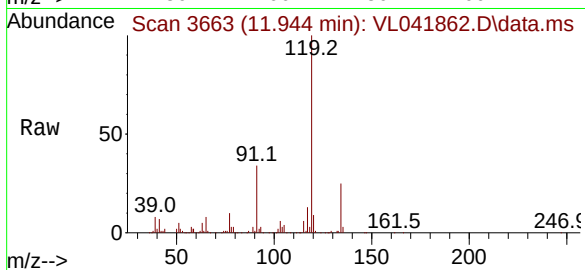
Tgt Ion:119 Resp: 53789

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 30.3 22.6 34.0



#70

n-Butylbenzene

Concen: 0.733 ppbv

RT: 12.300 min Scan# 3773

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

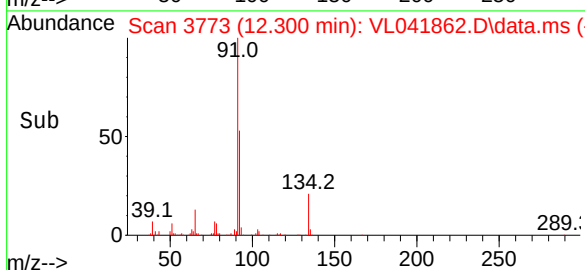
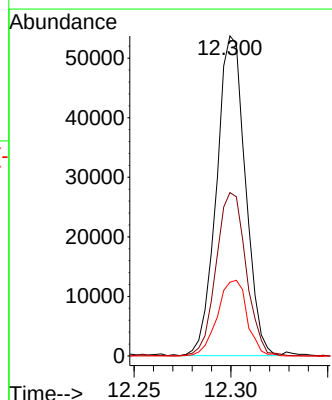
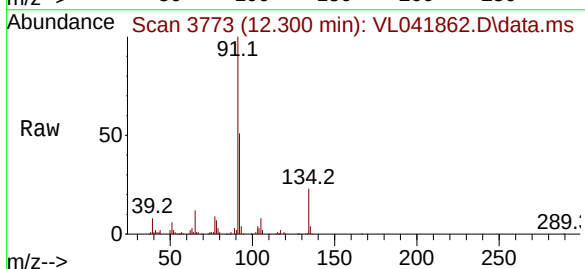
Tgt Ion: 91 Resp: 55556

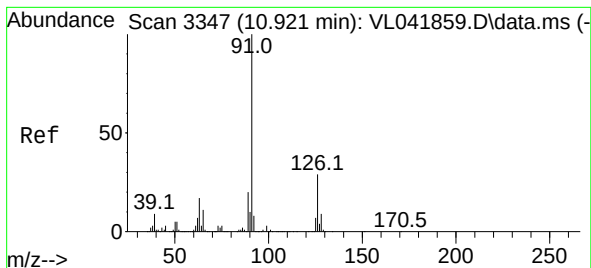
Ion Ratio Lower Upper

91 100

92 53.5 43.8 65.8

134 24.3 19.3 28.9

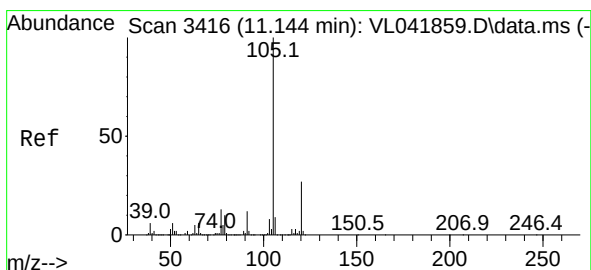
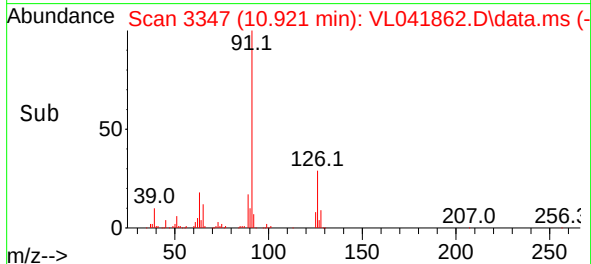
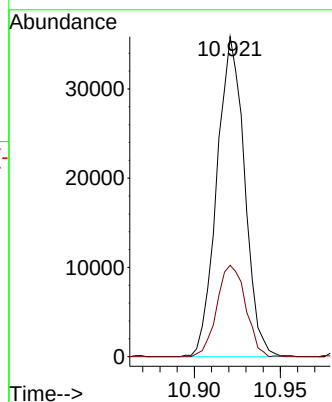
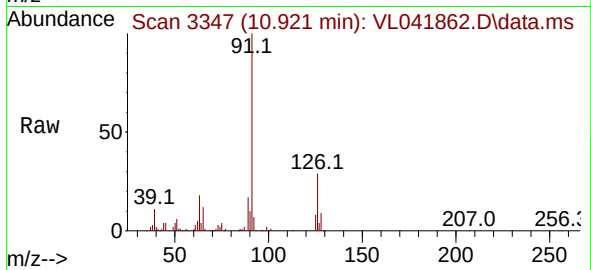




#71
2-Chlorotoluene
Concen: 0.757 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

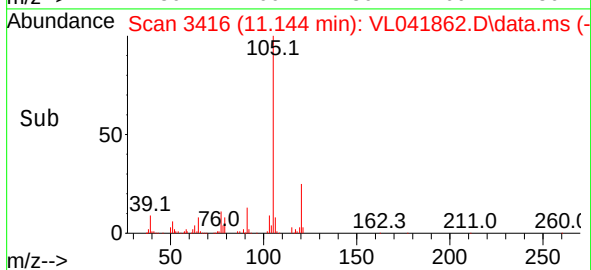
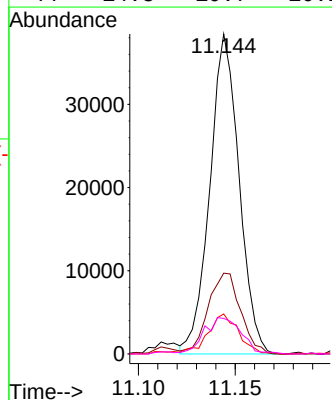
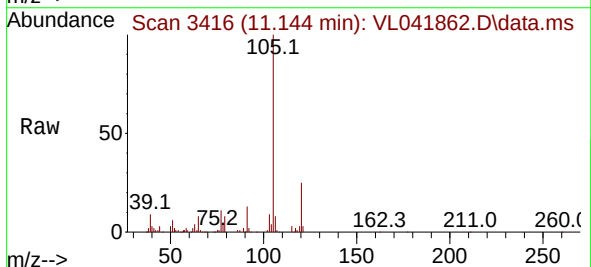
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

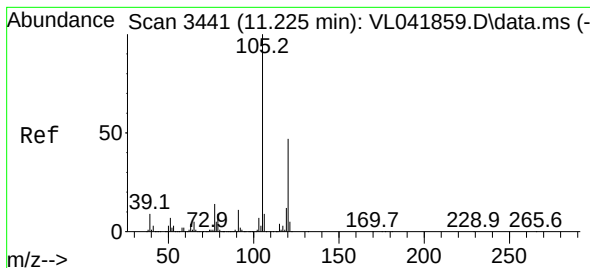
Tgt Ion: 91 Resp: 40116
Ion Ratio Lower Upper
91 100
126 29.6 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.718 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion:105 Resp: 40352
Ion Ratio Lower Upper
105 100
120 29.5 23.5 35.3
91 13.7 9.8 14.8
77 14.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.698 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

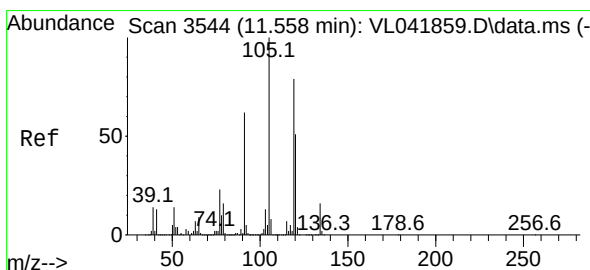
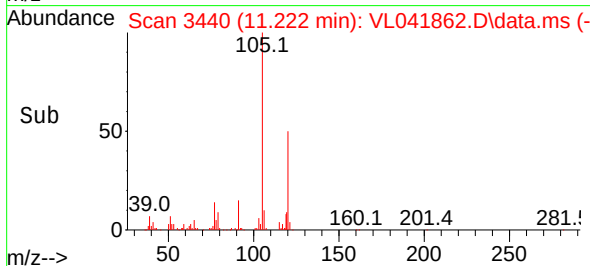
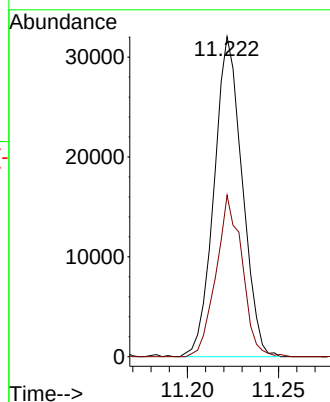
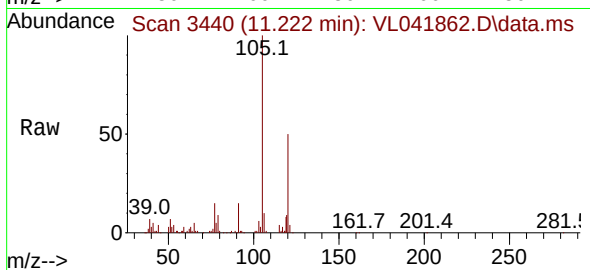
VSTDIC0.5

Tgt Ion:105 Resp: 34365

Ion Ratio Lower Upper

105 100

120 50.4 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 0.665 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. -0.003 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Tgt Ion:105 Resp: 37910

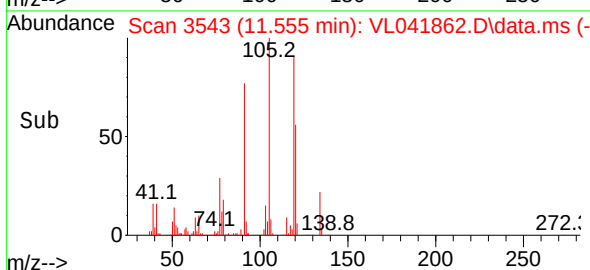
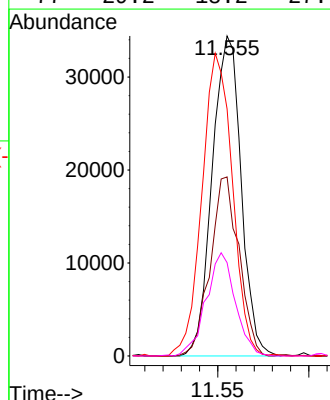
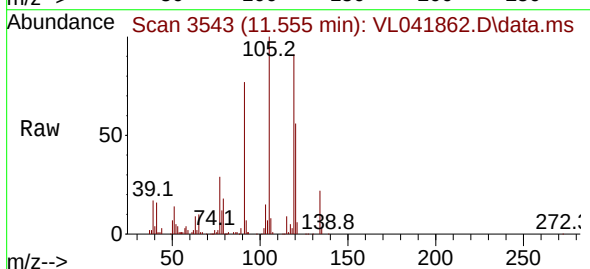
Ion Ratio Lower Upper

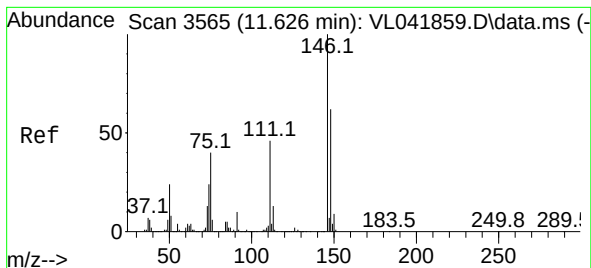
105 100

120 55.8 41.1 61.7

91 77.1 50.0 75.0#

77 29.2 18.2 27.4#





#75

1,3-Dichlorobenzene

Concen: 0.619 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

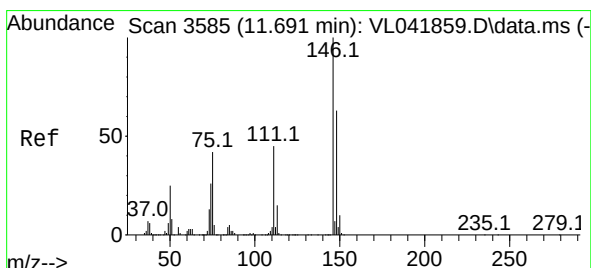
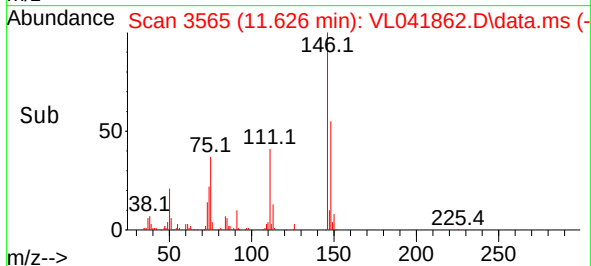
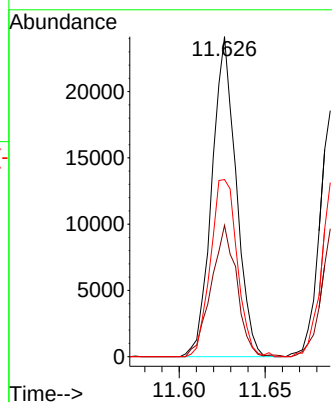
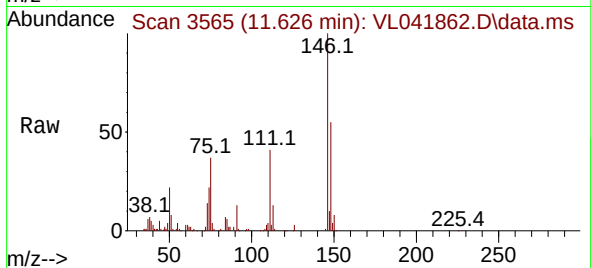
Tgt Ion:146 Resp: 23642

Ion Ratio Lower Upper

146 100

111 43.3 23.2 69.5

148 61.0 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 0.633 ppbv

RT: 11.691 min Scan# 3585

Delta R.T. -0.000 min

Lab File: VL041862.D

Acq: 09 Jan 2025 12:53

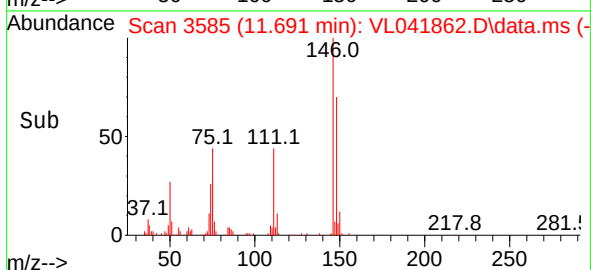
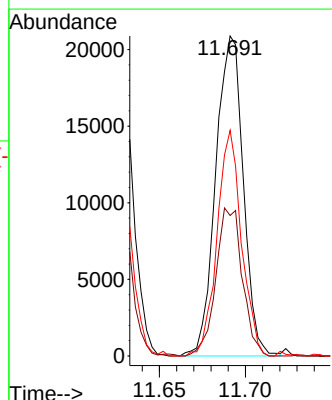
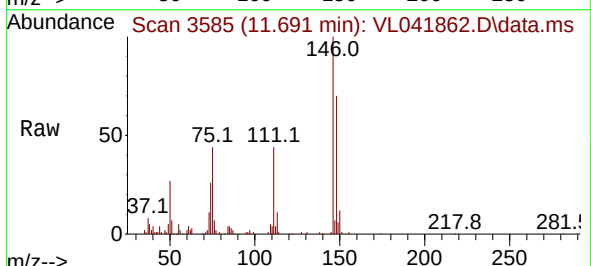
Tgt Ion:146 Resp: 23242

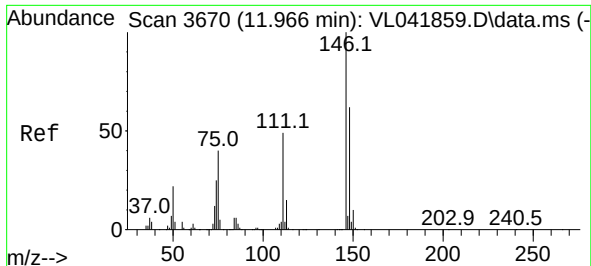
Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.1

148 63.2 31.2 93.6

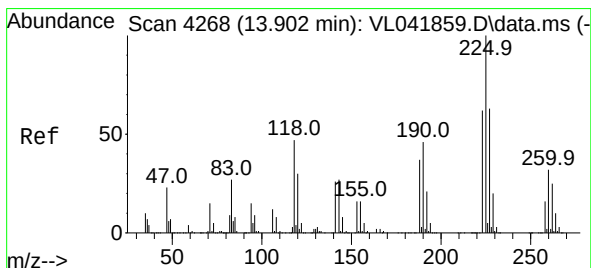
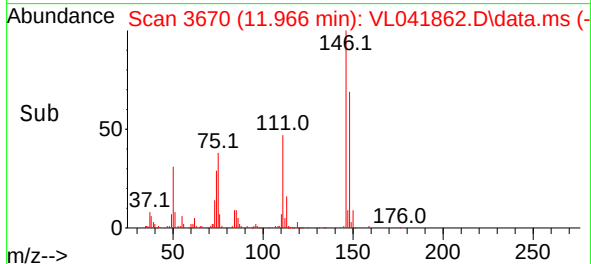
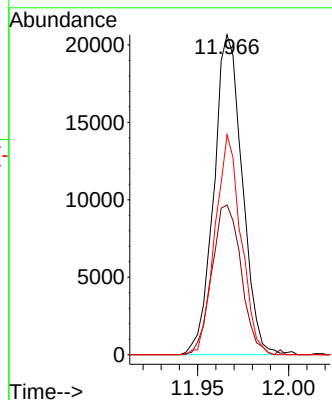
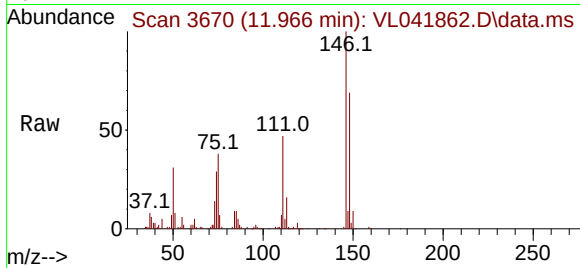




#77
1,2-Dichlorobenzene
Concen: 0.561 ppbv
RT: 11.966 min Scan# 3670
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

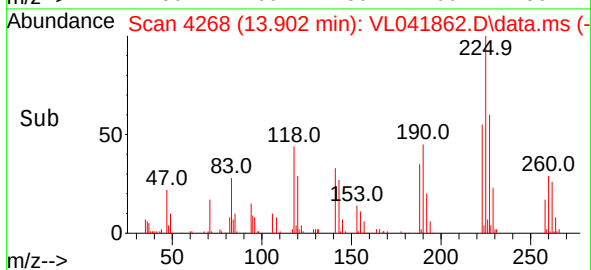
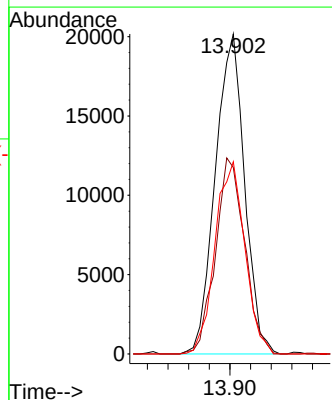
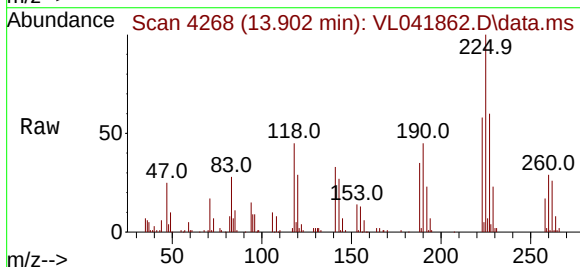
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

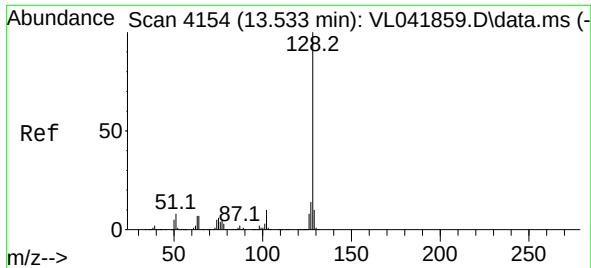
Tgt Ion:146 Resp: 22337
Ion Ratio Lower Upper
146 100
111 48.7 24.1 72.3
148 62.9 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.703 ppbv
RT: 13.902 min Scan# 4268
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion:225 Resp: 19853
Ion Ratio Lower Upper
225 100
223 61.4 50.6 75.8
227 61.1 50.9 76.3

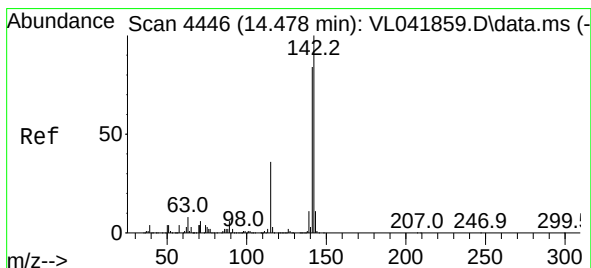
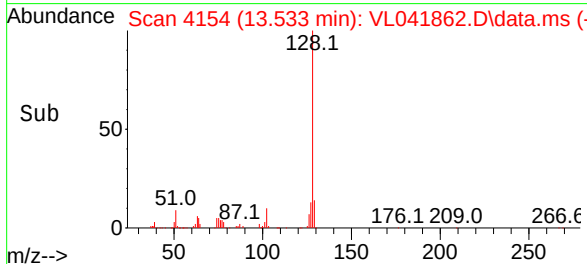
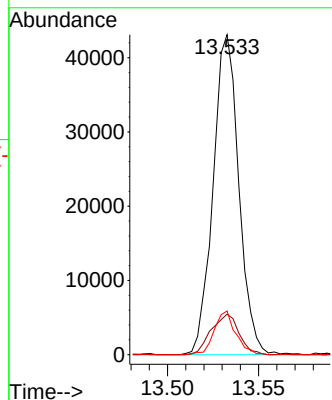
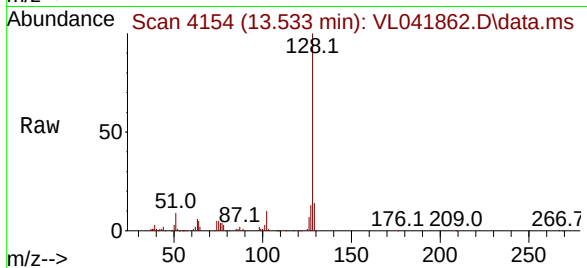




#79
Naphthalene
Concen: 1.007 ppbv
RT: 13.533 min Scan# 4154
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

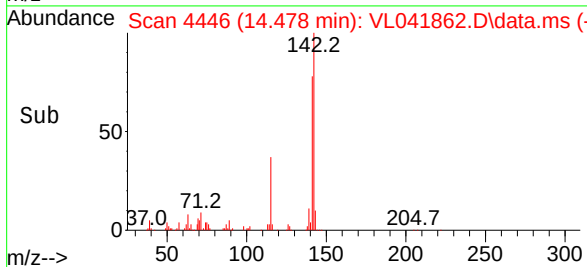
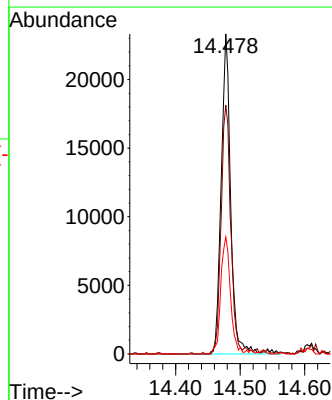
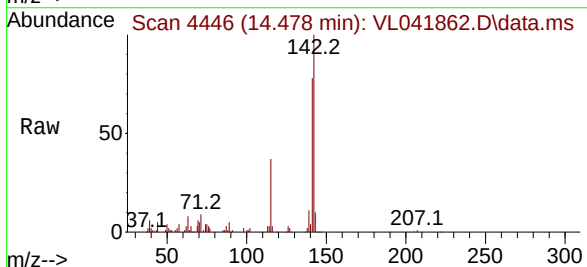
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

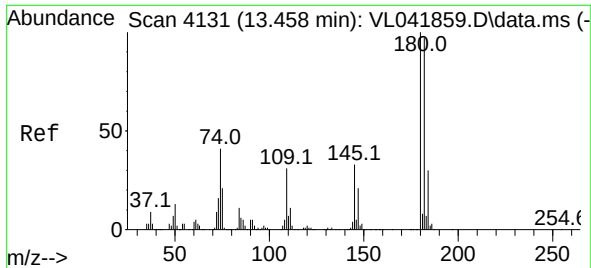
Tgt Ion:128 Resp: 42331
Ion Ratio Lower Upper
128 100
127 12.6 10.8 16.2
129 13.7 8.2 12.4#



#80
Naphthalene,2-methyl-
Concen: 1.524 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. -0.000 min
Lab File: VL041862.D
Acq: 09 Jan 2025 12:53

Tgt Ion:142 Resp: 23705
Ion Ratio Lower Upper
142 100
141 80.4 68.2 102.4
115 38.1 29.4 44.2





#81

1,2,4-Trichlorobenzene

Concen: 0.858 ppbv

RT: 13.458 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041862.D

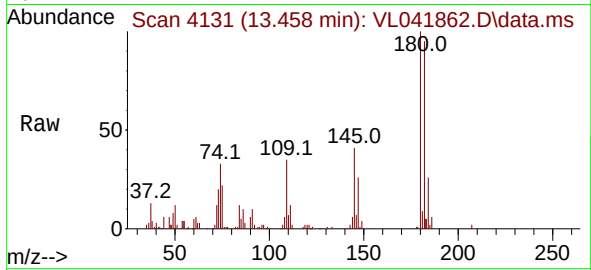
Acq: 09 Jan 2025 12:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



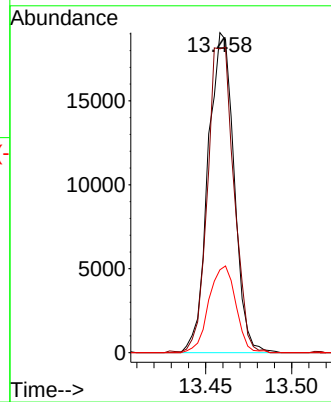
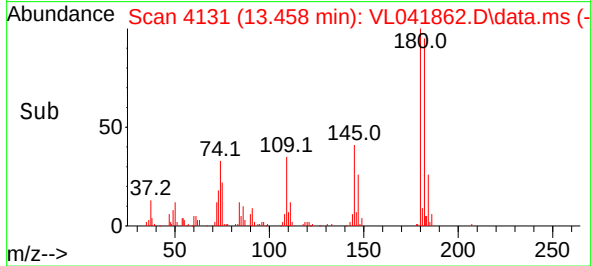
Tgt Ion:180 Resp: 19980

Ion Ratio Lower Upper

180 100

182 97.0 75.8 113.8

184 28.1 24.1 36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041863.D
 Acq On : 09 Jan 2025 13:24
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Jan 10 00:16:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.806	49	140029	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.984	114	422202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.907	117	386905	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.399	95	308324	9.304	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	2771	0.121	ppbv #	80
3) Chlorodifluoromethane	1.482	51	2960	0.135	ppbv #	91
4) Chloromethane	1.541	50	1381	0.146	ppbv	100
5) Vinyl Chloride	1.589	62	1043	0.109	ppbv	95
6) Bromomethane	1.673	94	757	0.185	ppbv #	77
7) Chloroethane	1.715	64	456	0.124	ppbv #	71
8) Dichlorotetrafluoroethane	1.563	85	2060	0.104	ppbv	91
9) Propene	1.033	41	196	0.026	ppbv	97
10) Heptane	5.027	43	628	0.033	ppbv #	27
11) Trichlorofluoromethane	1.887	101	2745	0.117	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.156	101	2215	0.127	ppbv	94
13) Ethanol	1.900	45	2124	2.116	ppbv #	29
14) Bromoethene	1.793	108	895	0.157	ppbv #	78
15) Acetone	1.848	43	4904	0.190	ppbv #	69
16) 1,3-Butadiene	1.615	39	2016	0.199	ppbv	100
17) tert-Butyl alcohol	2.059	59	2956	0.132	ppbv #	25
18) 1,1-Dichloroethene	2.046	96	1326	0.182	ppbv #	90
19) Isopropyl Alcohol	1.900	45	2124	0.176	ppbv #	71
20) Methylene Chloride	2.072	84	1772	0.240	ppbv #	83
21) Allyl Chloride	2.107	41	2163	0.163	ppbv	87
22) trans-1,2-Dichloroethene	2.046	96	1326	0.163	ppbv	84
23) Vinyl Acetate	2.476	43	2311	0.288	ppbv #	75
24) 1,1-Dichloroethane	2.424	63	2122	0.119	ppbv #	88
25) Ethyl Acetate	2.864	43	5651	0.131	ppbv #	83
26) Hexane	2.845	57	3081	0.205	ppbv #	1
27) Carbon Disulfide	2.162	76	2245	0.158	ppbv #	1
28) Methyl tert-Butyl Ether	2.460	73	1252	0.111	ppbv #	54
29) Chloroform	2.864	83	3997	0.143	ppbv	99
30) Cyclohexane	3.890	84	737	0.065	ppbv #	1
31) cis-1,2-Dichloroethene	2.738	61	2470	0.160	ppbv	86
32) 1,1,1-Trichloroethane	3.395	97	1405	0.056	ppbv #	1
34) 2-Butanone	2.580	43	4402	0.132	ppbv #	88
35) Carbon Tetrachloride	3.793	117	2669	0.084	ppbv #	67
36) Benzene	3.683	78	3888	0.096	ppbv #	65
37) 1,2-Dichloroethane	3.237	62	2424	0.091	ppbv #	93
38) Trichloroethene	4.580	130	620	0.040	ppbv #	47
39) 1,2-Dichloropropane	4.344	63	1255	0.080	ppbv #	69
40) 1,4-Dioxane	4.648	88	444	0.074	ppbv #	1
41) Tetrahydrofuran	3.072	42	160	0.010	ppbv #	37
42) Bromodichloromethane	4.522	83	3932	0.126	ppbv #	81
43) Methyl Methacrylate	4.917	69	1096	0.087	ppbv #	1
44) 2,2,4-Trimethylpentane	4.667	57	4463	0.067	ppbv #	6
45) t-1,3-Dichloropropene	6.460	75	824	0.067	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041863.D
 Acq On : 09 Jan 2025 13:24
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Jan 10 00:16:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

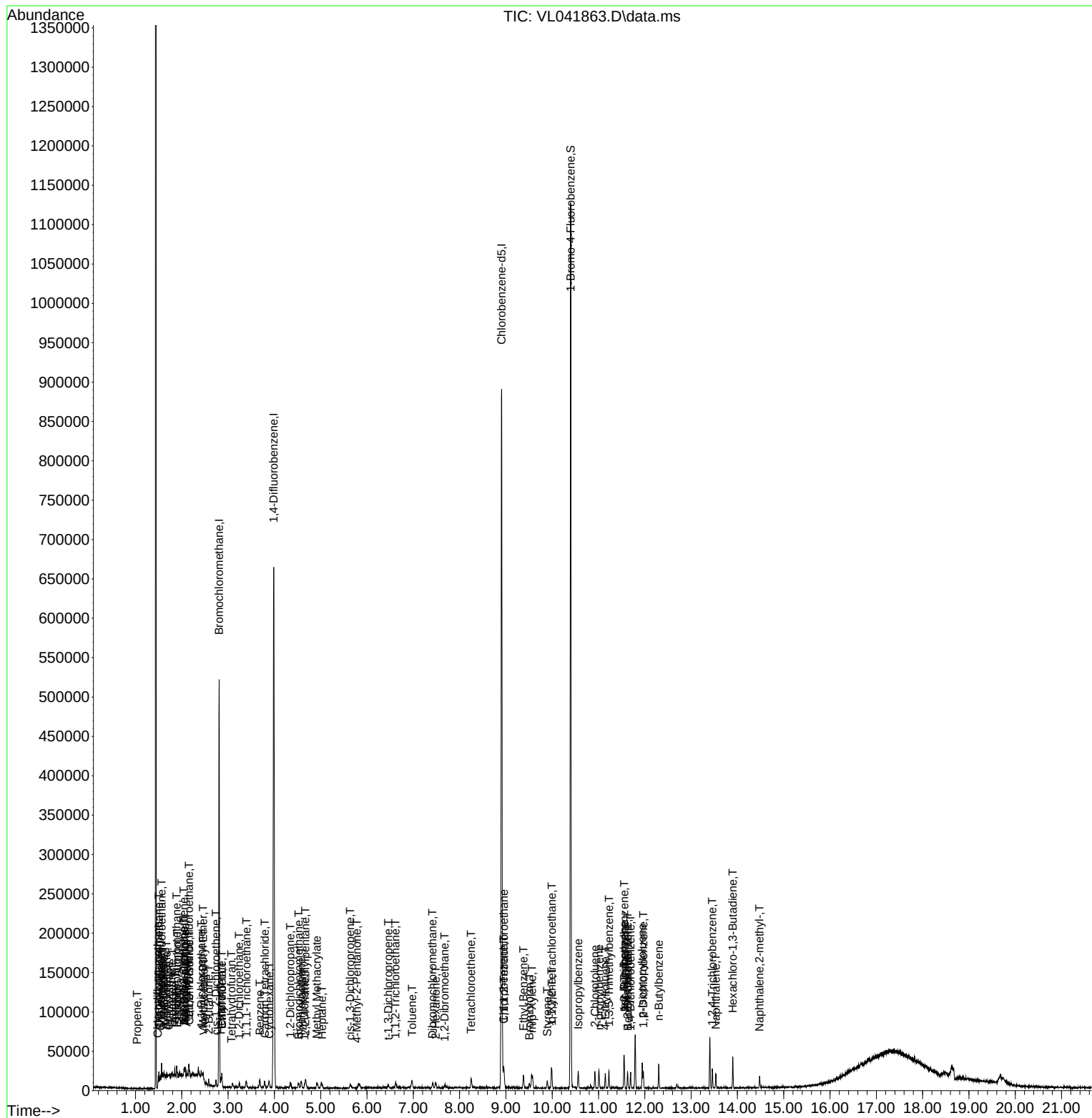
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	320	0.020	ppbv #	71
47) 1,1,2-Trichloroethane	6.616	97	484	0.029	ppbv #	23
48) Dibromochloromethane	7.412	129	942	0.045	ppbv #	1
49) Bromoform	9.506	173	1354	0.080	ppbv #	62
50) 4-Methyl-2-Pentanone	5.781	43	127	0.003	ppbv #	38
51) 2-Hexanone	7.486	43	4204	0.144	ppbv #	95
52) Tetrachloroethene	8.247	164	837	0.070	ppbv #	70
53) Toluene	6.972	91	6449	0.180	ppbv	88
54) 1,2-Dibromoethane	7.674	107	718	0.036	ppbv	83
56) 1,1,1,2-Tetrachloroethane	8.953	131	2090	0.095	ppbv #	46
57) Chlorobenzene	8.949	112	4483	0.111	ppbv #	91
58) Ethyl Benzene	9.377	91	8736	0.166	ppbv #	85
59) m/p-Xylene	9.564	91	2538	0.055	ppbv #	100
60) o-Xylene	9.985	91	6988	0.154	ppbv	92
61) Styrene	9.894	104	2048	0.117	ppbv #	60
62) Isopropylbenzene	10.564	105	3997	0.056	ppbv #	37
63) 1,1,2,2-Tetrachloroethane	9.992	83	4264	0.107	ppbv	97
64) n-propylbenzene	11.014	120	1121	0.061	ppbv #	1
65) tert-Butylbenzene	11.552	119	9464	0.148	ppbv	99
66) Benzyl Chloride	11.633	91	1103	0.205	ppbv #	82
67) sec-Butylbenzene	11.555	105	7683	0.082	ppbv	93
69) p-Isopropyltoluene	11.943	119	9894	0.135	ppbv #	90
70) n-Butylbenzene	12.303	91	10777	0.146	ppbv	94
71) 2-Chlorotoluene	10.920	91	7959	0.154	ppbv	98
72) 4-Ethyltoluene	11.147	105	7954	0.145	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.225	105	7494	0.156	ppbv	93
74) 1,2,4-Trimethylbenzene	11.555	105	7683	0.138	ppbv #	87
75) 1,3-Dichlorobenzene	11.629	146	4471	0.120	ppbv	90
76) 1,4-Dichlorobenzene	11.688	146	4330	0.121	ppbv	97
77) 1,2-Dichlorobenzene	11.969	146	4788	0.124	ppbv	99
78) Hexachloro-1,3-Butadiene	13.901	225	3472	0.126	ppbv	87
79) Naphthalene	13.532	128	8145	0.199	ppbv	99
80) Naphthalene,2-methyl-	14.478	142	4530	0.299	ppbv	97
81) 1,2,4-Trichlorobenzene	13.455	180	4537	0.200	ppbv	97

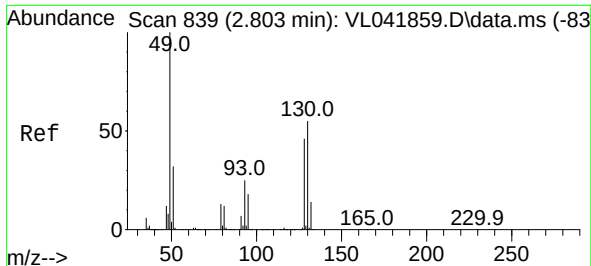
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041863.D
Acq On : 09 Jan 2025 13:24
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jan 10 00:16:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

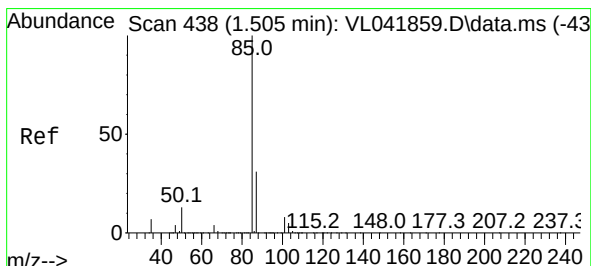
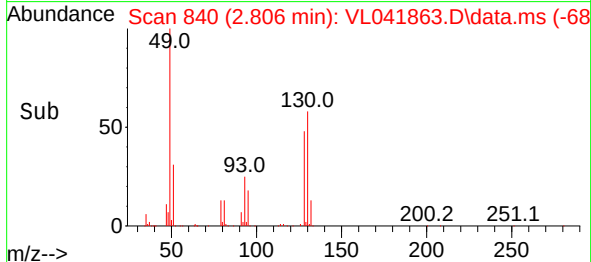
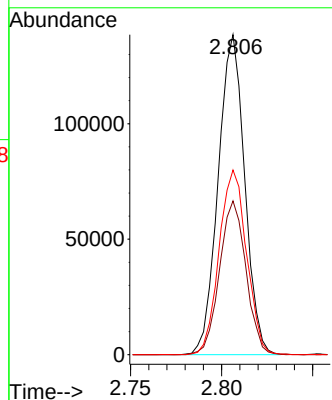
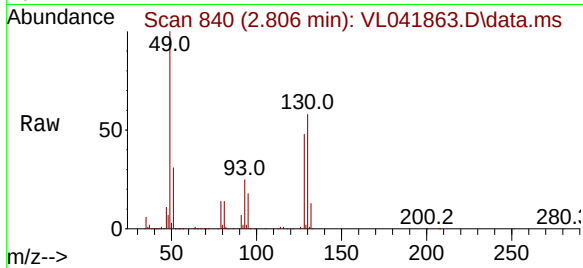




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

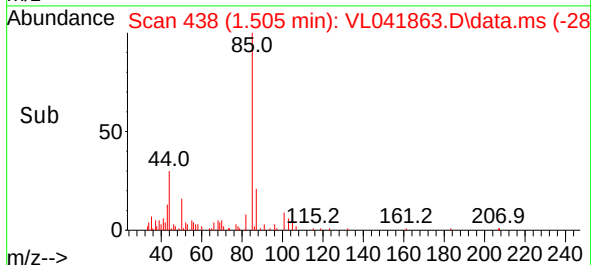
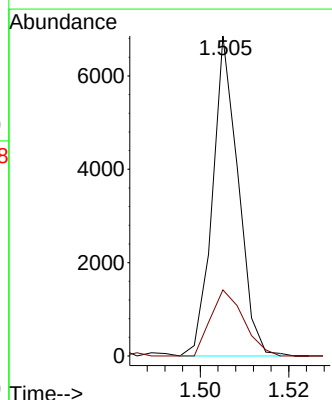
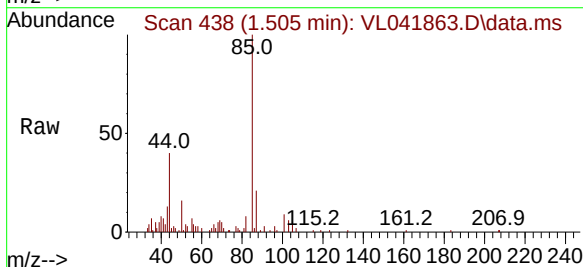
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

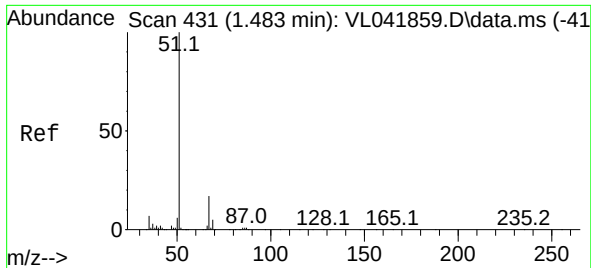
Tgt Ion: 49 Resp: 140029
Ion Ratio Lower Upper
49 100
128 47.9 23.2 69.5
130 59.9 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.121 ppbv
RT: 1.505 min Scan# 438
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 85 Resp: 2771
Ion Ratio Lower Upper
85 100
87 20.7 25.2 37.8#

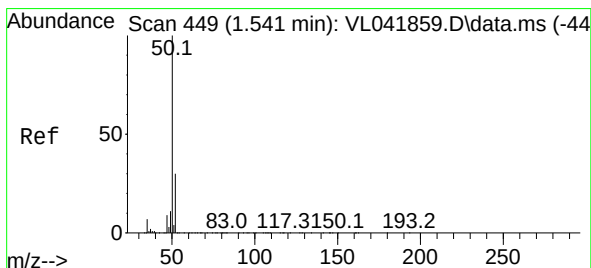
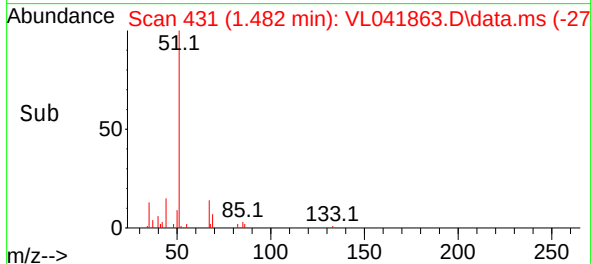
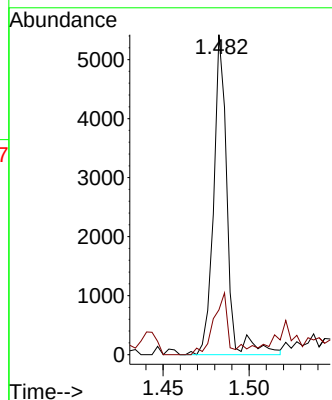
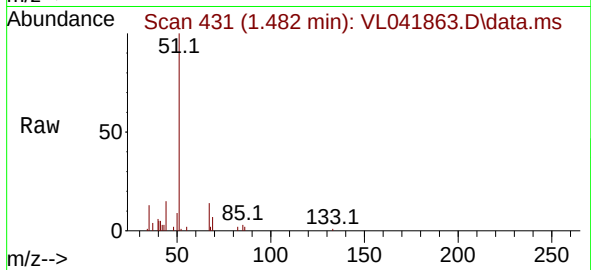




#3
Chlorodifluoromethane
Concen: 0.135 ppbv
RT: 1.482 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

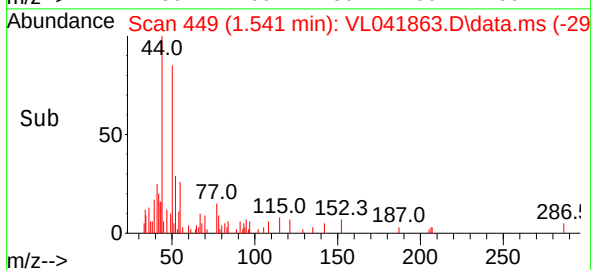
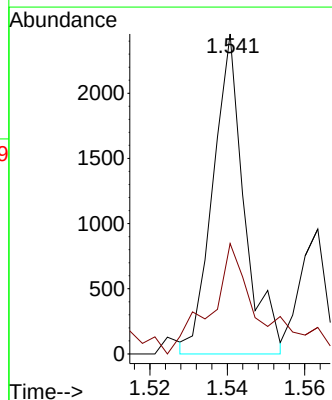
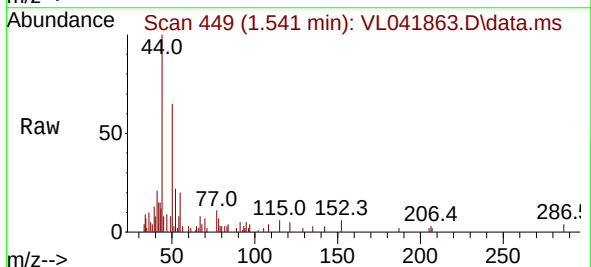
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

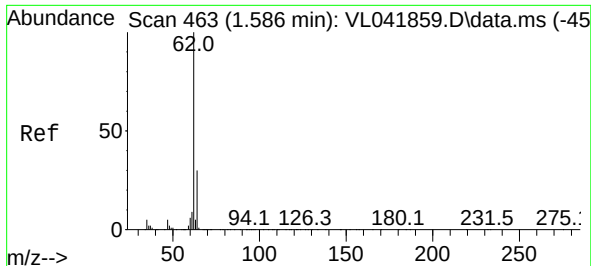
Tgt Ion: 51 Resp: 2960
Ion Ratio Lower Upper
51 100
67 21.3 13.8 20.8#



#4
Chloromethane
Concen: 0.146 ppbv
RT: 1.541 min Scan# 449
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 50 Resp: 1381
Ion Ratio Lower Upper
50 100
52 30.1 23.9 35.9

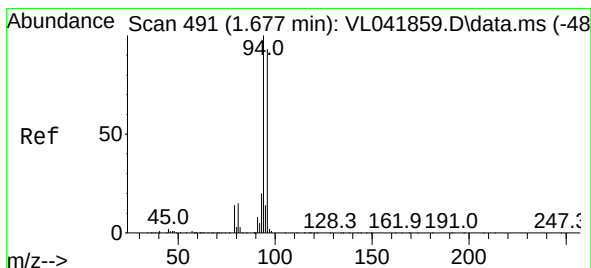
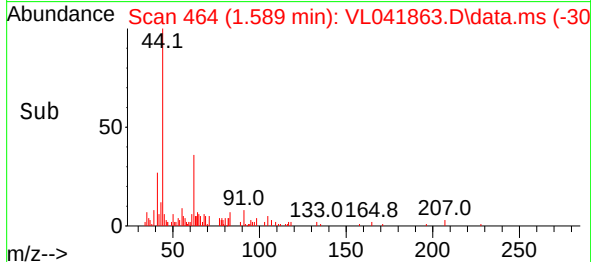
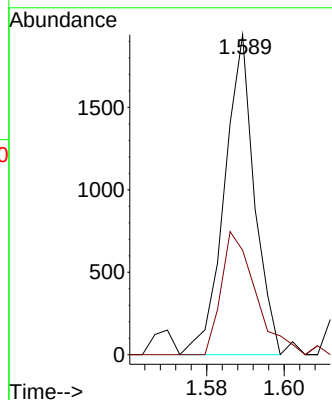
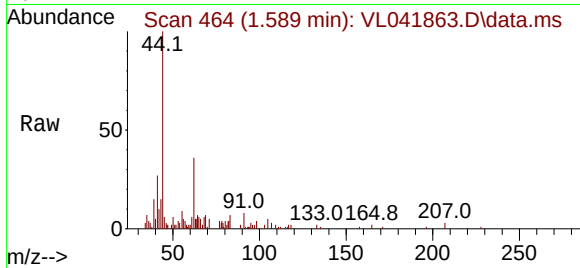




#5
 Vinyl Chloride
 Concen: 0.109 ppbv
 RT: 1.589 min Scan# 4
 Delta R.T. 0.003 min
 Lab File: VL041863.D
 Acq: 09 Jan 2025 13:24

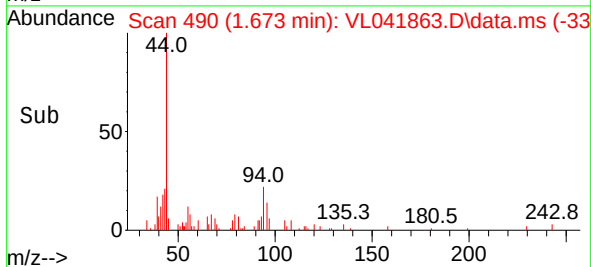
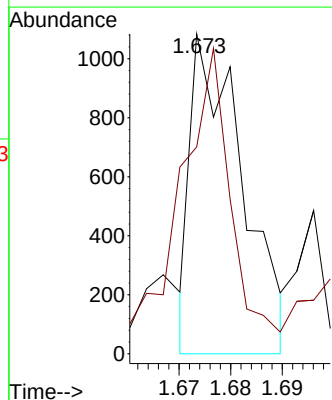
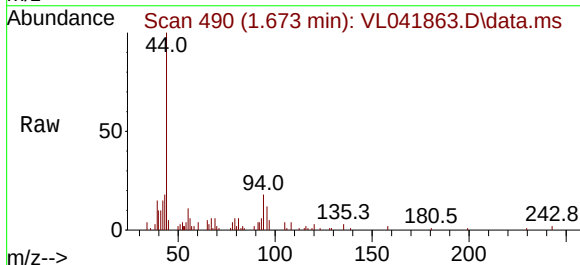
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

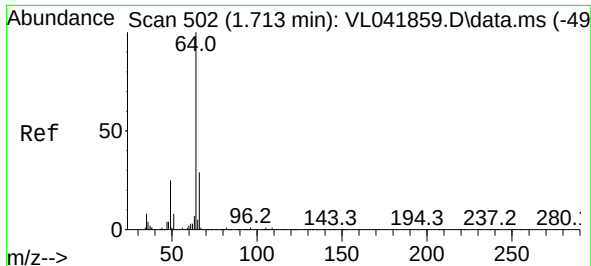
Tgt Ion: 62 Resp: 1043
 Ion Ratio Lower Upper
 62 100
 64 32.7 24.1 36.1



#6
 Bromomethane
 Concen: 0.185 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. -0.004 min
 Lab File: VL041863.D
 Acq: 09 Jan 2025 13:24

Tgt Ion: 94 Resp: 757
 Ion Ratio Lower Upper
 94 100
 96 71.4 74.8 112.2#

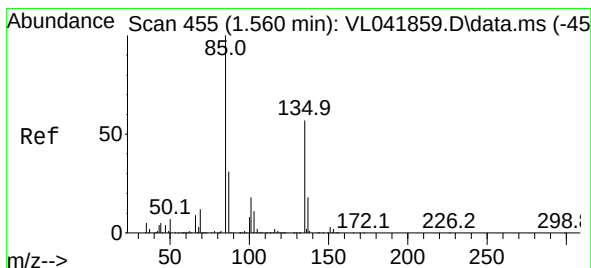
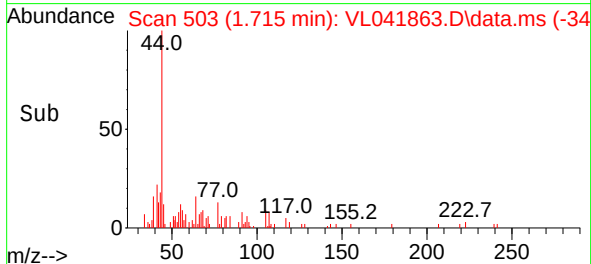
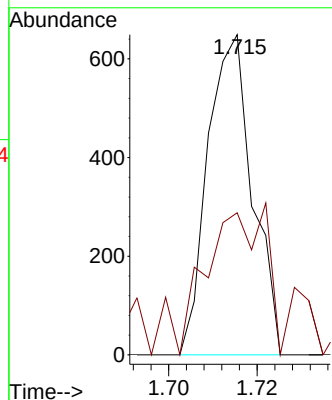
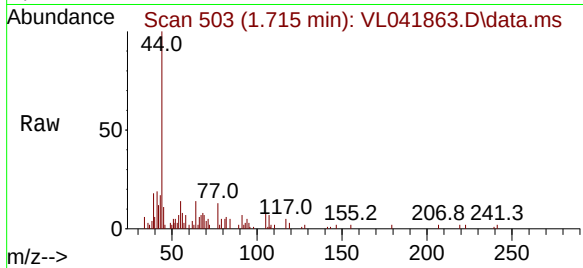




#7
Chloroethane
Concen: 0.124 ppbv
RT: 1.715 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

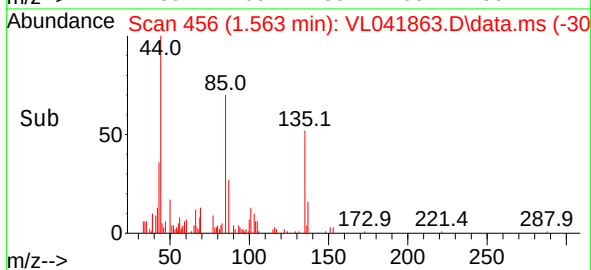
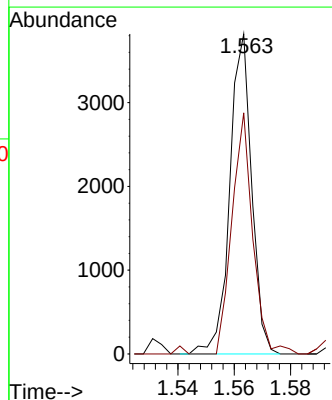
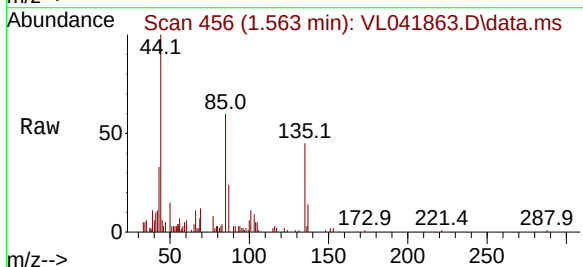
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

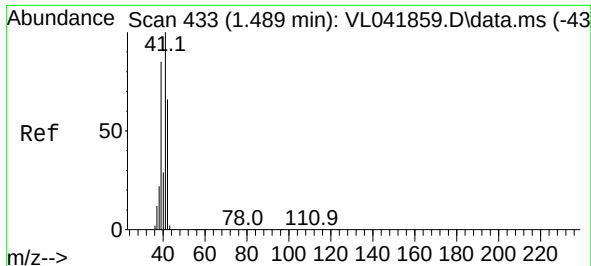
Tgt Ion: 64 Resp: 456
Ion Ratio Lower Upper
64 100
66 44.4 23.0 34.6#



#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 1.563 min Scan# 456
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 85 Resp: 2060
Ion Ratio Lower Upper
85 100
135 72.7 52.2 78.4





#9

Propene

Concen: 0.026 ppbv

RT: 1.033 min Scan# 20

Delta R.T. -0.457 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

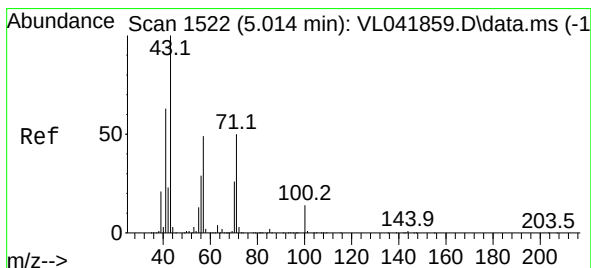
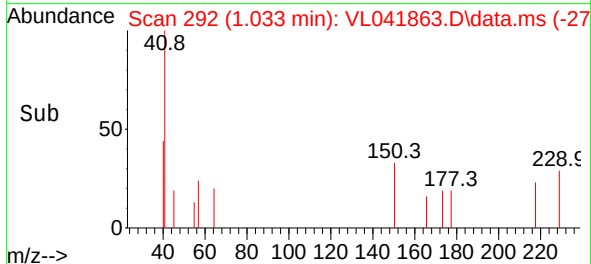
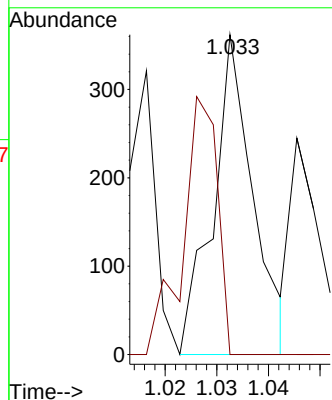
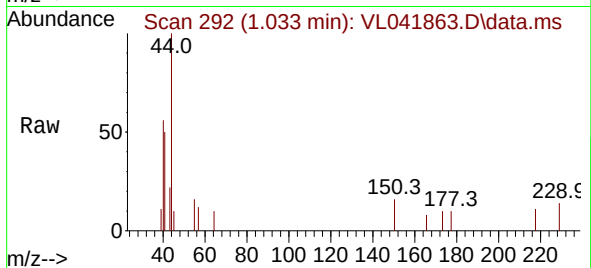
VSTDIC0.1

Tgt Ion: 41 Resp: 196

Ion Ratio Lower Upper

41 100

42 68.9 53.0 79.6



#10

Heptane

Concen: 0.033 ppbv

RT: 5.027 min Scan# 1526

Delta R.T. 0.013 min

Lab File: VL041863.D

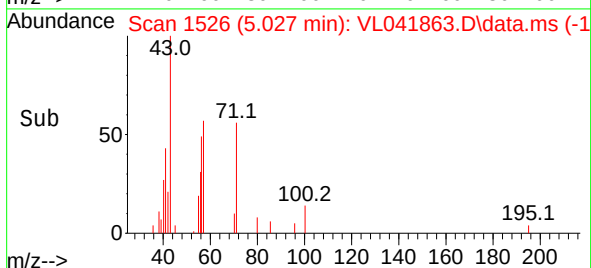
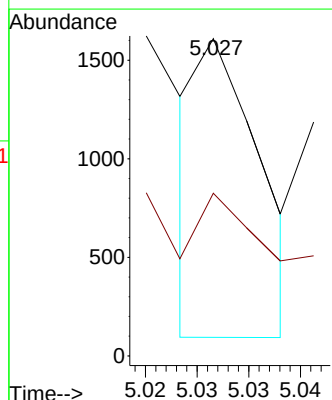
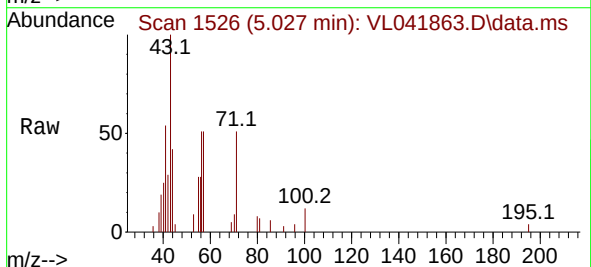
Acq: 09 Jan 2025 13:24

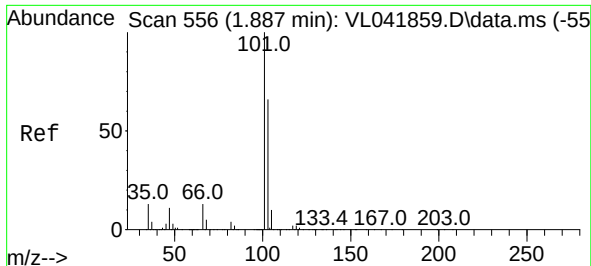
Tgt Ion: 43 Resp: 628

Ion Ratio Lower Upper

43 100

57 0.0 40.2 60.2#





#11

Trichlorofluoromethane

Concen: 0.117 ppbv

RT: 1.887 min Scan# 556

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

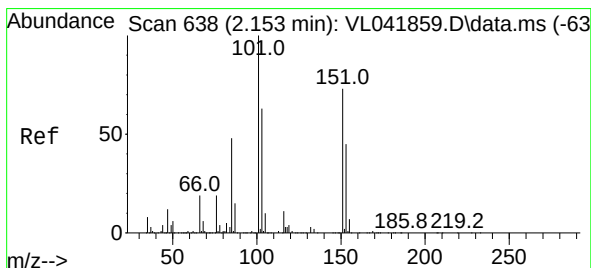
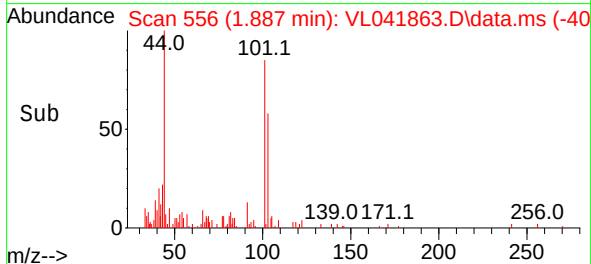
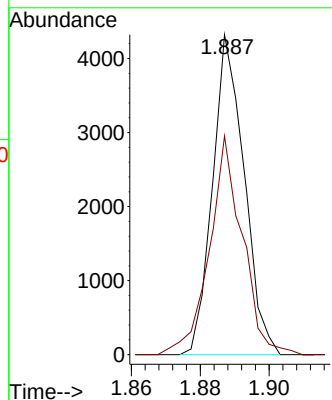
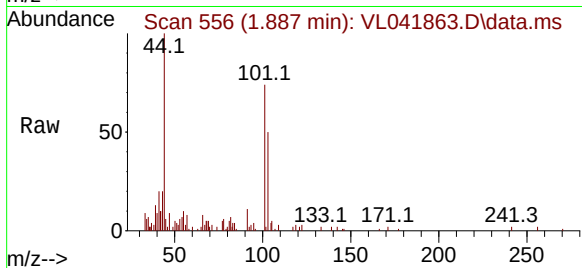
VSTDIC0.1

Tgt Ion:101 Resp: 2745

Ion Ratio Lower Upper

101 100

103 66.2 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.127 ppbv

RT: 2.156 min Scan# 639

Delta R.T. 0.003 min

Lab File: VL041863.D

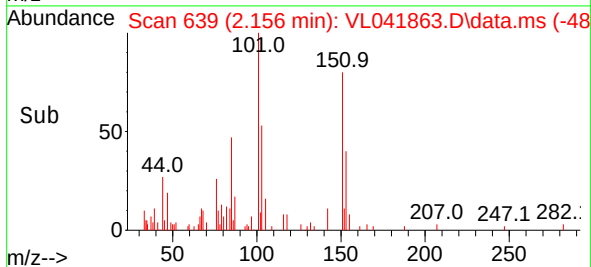
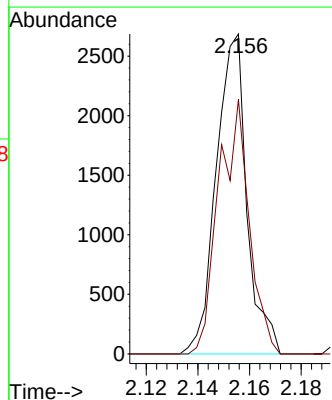
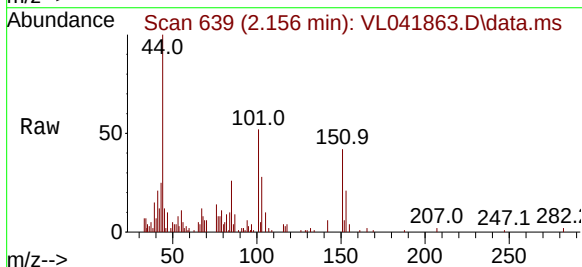
Acq: 09 Jan 2025 13:24

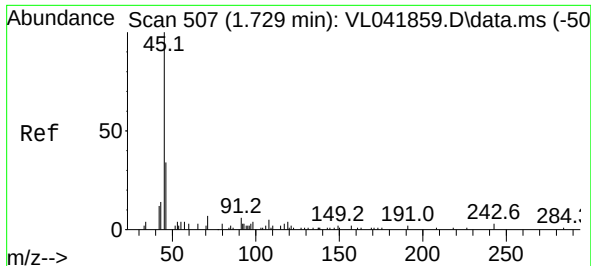
Tgt Ion:101 Resp: 2215

Ion Ratio Lower Upper

101 100

151 79.3 59.4 89.0

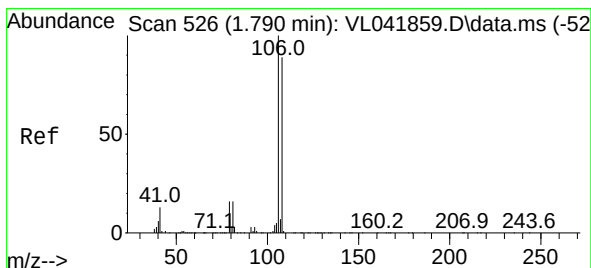
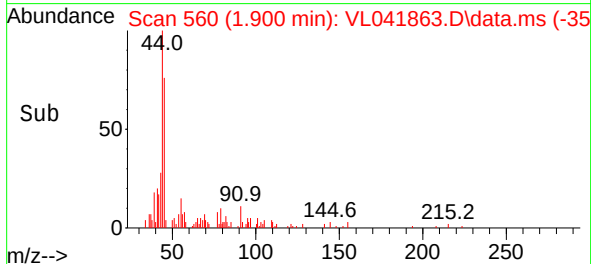
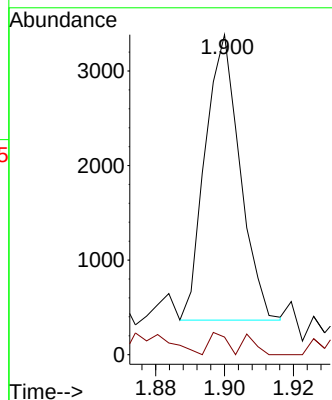
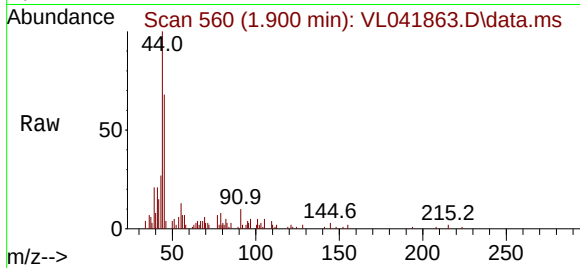




#13
Ethanol
Concen: 2.116 ppbv
RT: 1.900 min Scan# 507
Delta R.T. 0.171 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

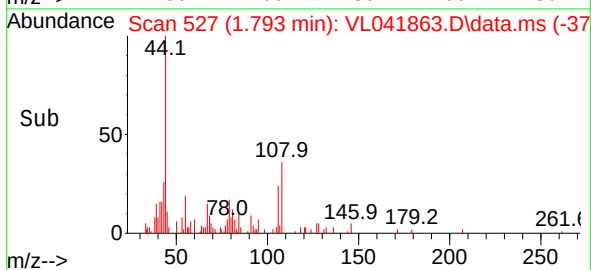
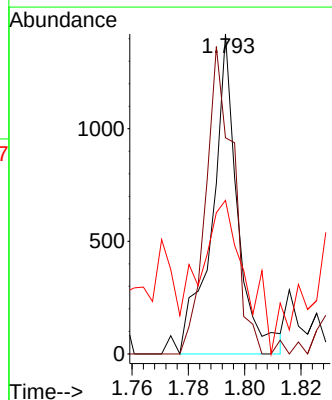
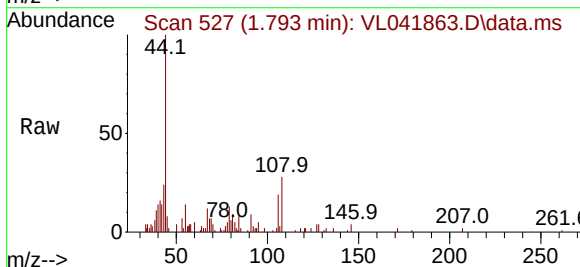
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

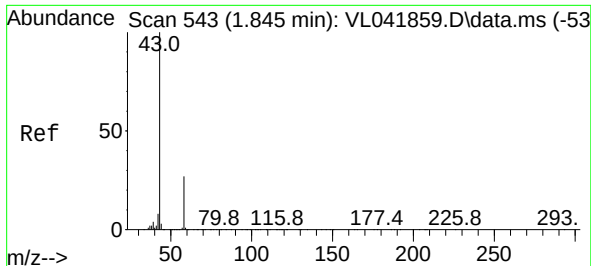
Tgt Ion: 45 Resp: 2124
Ion Ratio Lower Upper
45 100
46 0.0 19.0 76.0#



#14
Bromoethene
Concen: 0.157 ppbv
RT: 1.793 min Scan# 527
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:108 Resp: 895
Ion Ratio Lower Upper
108 100
106 104.7 86.9 130.3
79 75.0 15.6 23.4#

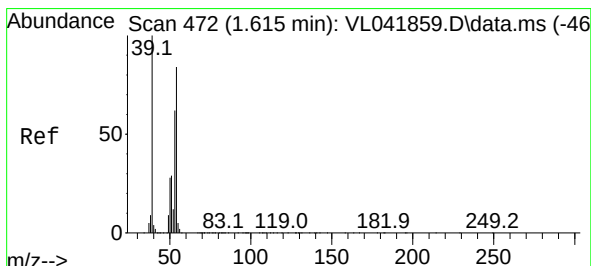
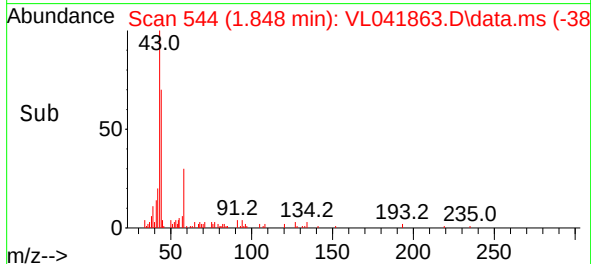
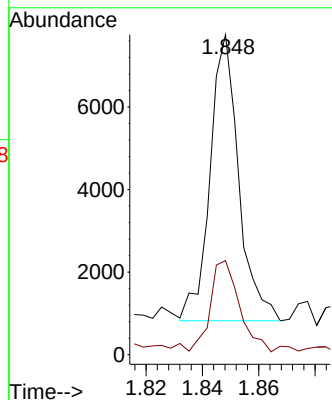
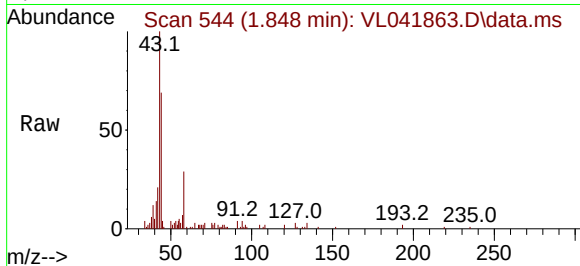




#15
Acetone
Concen: 0.190 ppbv
RT: 1.848 min Scan# 543
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

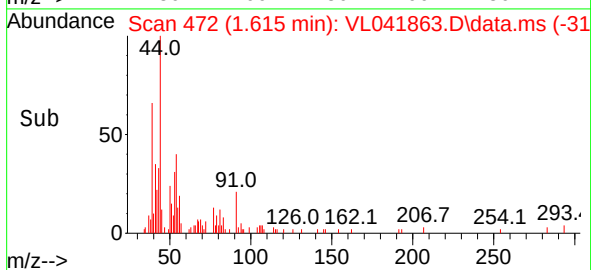
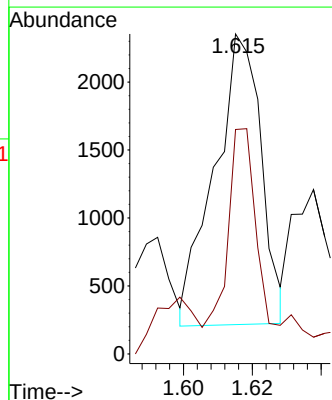
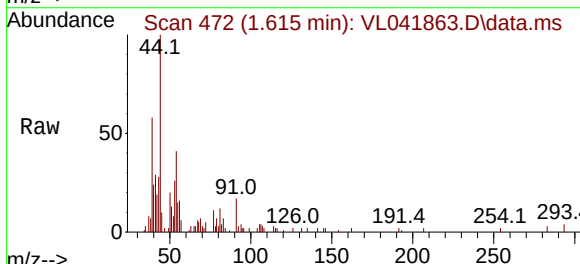
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

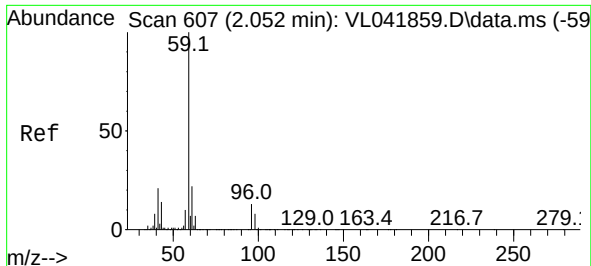
Tgt Ion: 43 Resp: 4904
Ion Ratio Lower Upper
43 100
58 44.8 22.7 34.1#



#16
1,3-Butadiene
Concen: 0.199 ppbv
RT: 1.615 min Scan# 472
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 39 Resp: 2016
Ion Ratio Lower Upper
39 100
54 75.4 60.1 90.1

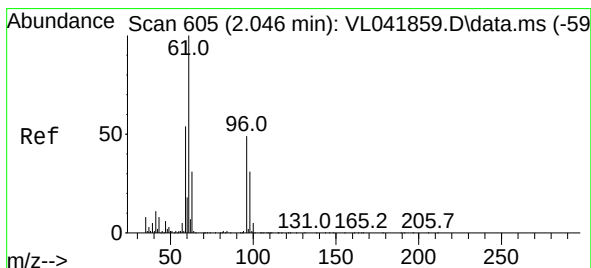
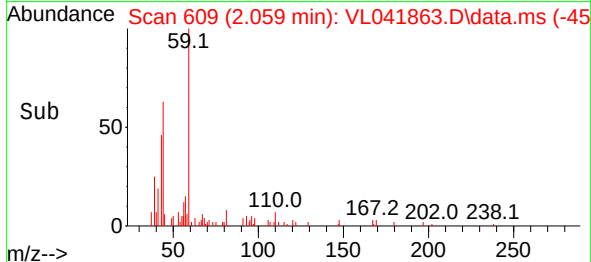
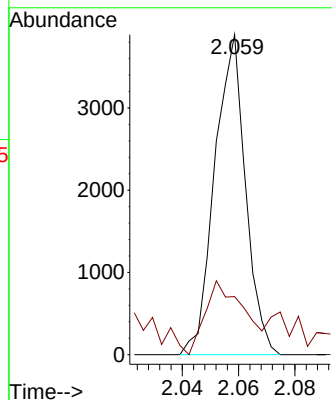
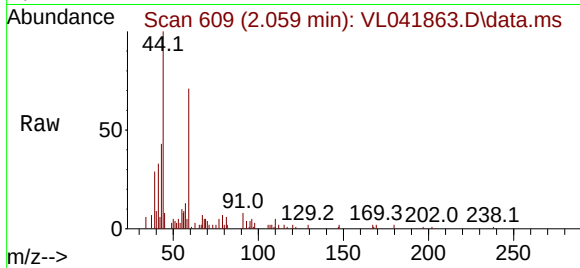




#17
tert-Butyl alcohol
Concen: 0.132 ppbv
RT: 2.059 min Scan# 607
Delta R.T. 0.006 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

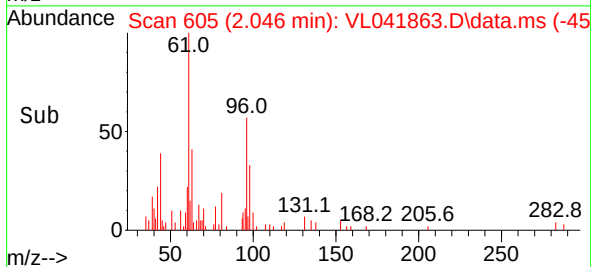
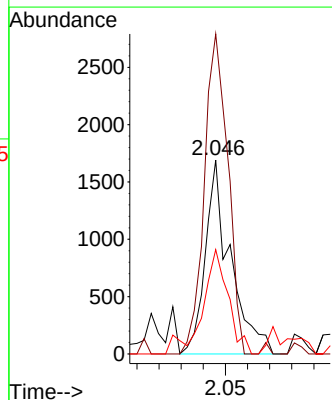
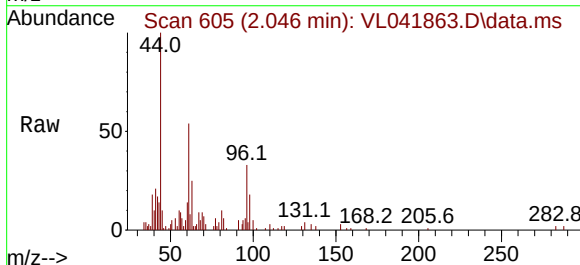
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

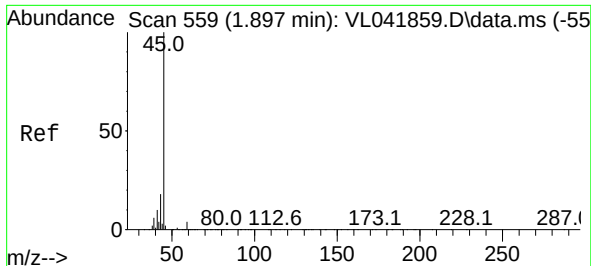
Tgt Ion: 59 Resp: 2956
Ion Ratio Lower Upper
59 100
57 38.4 8.2 12.4#



#18
1,1-Dichloroethene
Concen: 0.182 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 96 Resp: 1326
Ion Ratio Lower Upper
96 100
61 190.1 161.7 242.5
98 49.1 51.0 76.4#





#19

Isopropyl Alcohol

Concen: 0.176 ppbv

RT: 1.900 min Scan# 5

Delta R.T. 0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

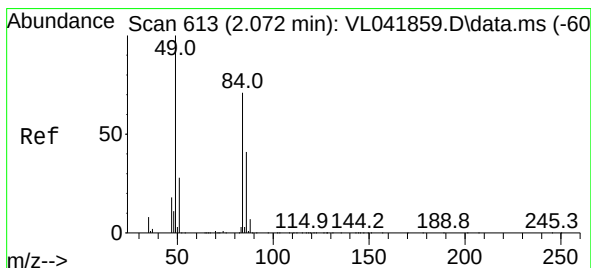
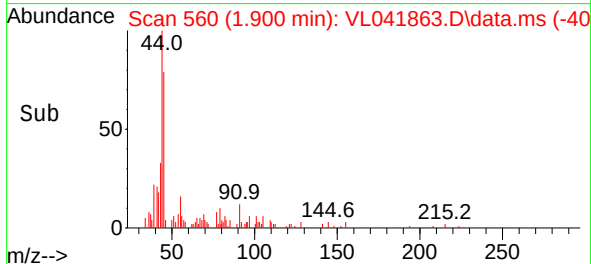
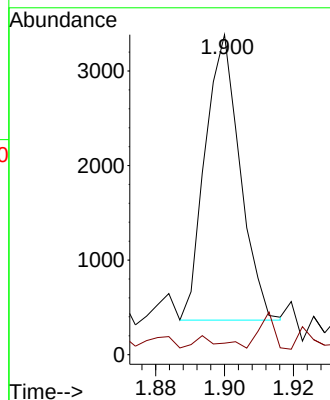
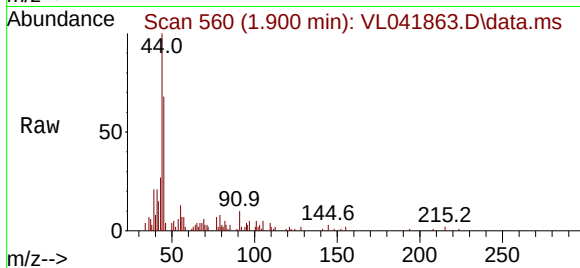
VSTDIC0.1

Tgt Ion: 45 Resp: 2124

Ion Ratio Lower Upper

45 100

58 27.0 37.0 55.6#



#20

Methylene Chloride

Concen: 0.240 ppbv

RT: 2.072 min Scan# 613

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Tgt Ion: 84 Resp: 1772

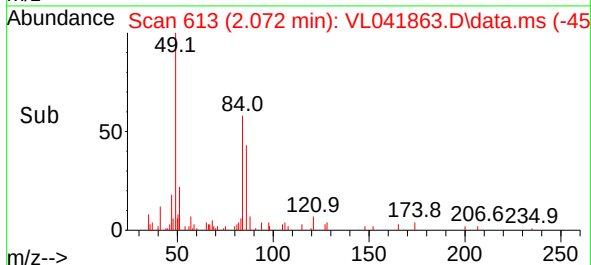
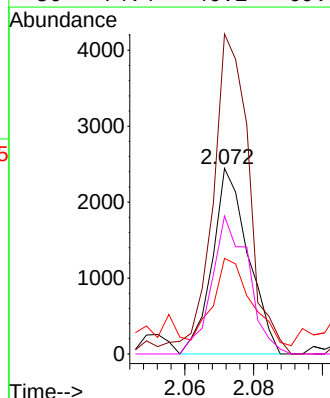
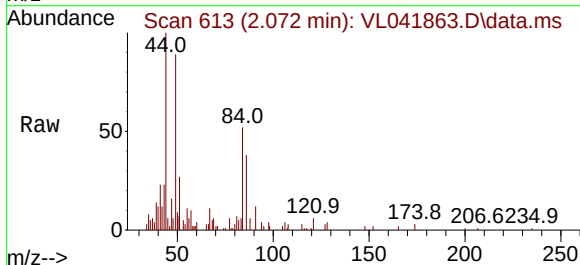
Ion Ratio Lower Upper

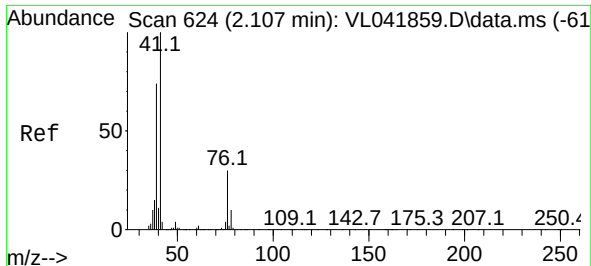
84 100

49 165.7 113.8 170.8

51 42.4 33.5 50.3

86 74.4 46.2 69.4#





#21

Allyl Chloride

Concen: 0.163 ppbv

RT: 2.107 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

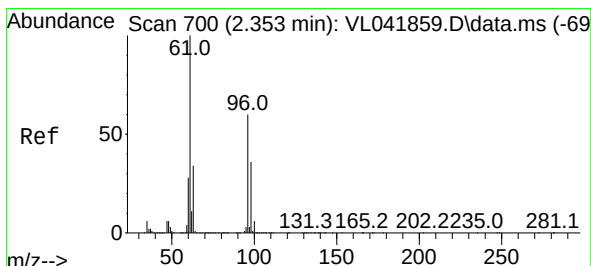
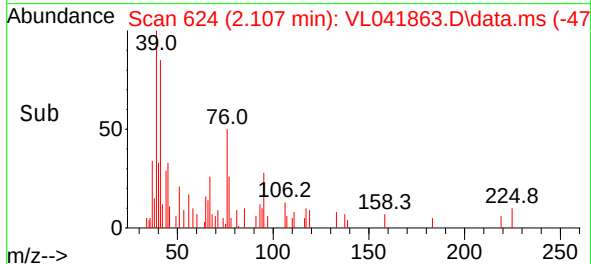
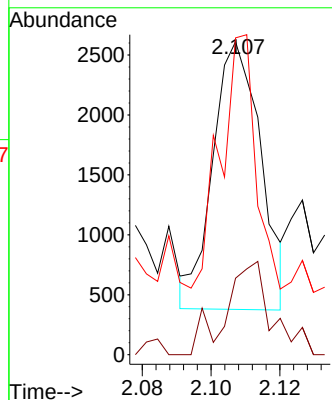
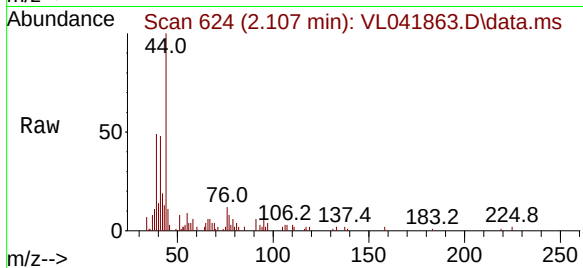
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 41	Resp: 2163
Ion Ratio	Lower Upper
41 100	
76 35.3	24.6 36.8
39 87.3	60.1 90.1



#22

trans-1,2-Dichloroethene

Concen: 0.163 ppbv

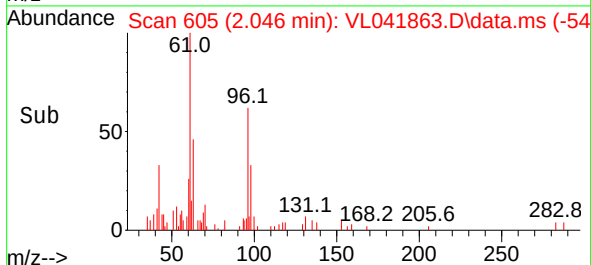
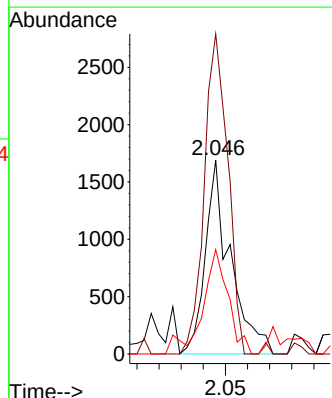
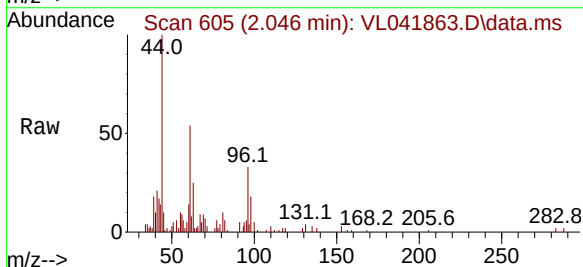
RT: 2.046 min Scan# 605

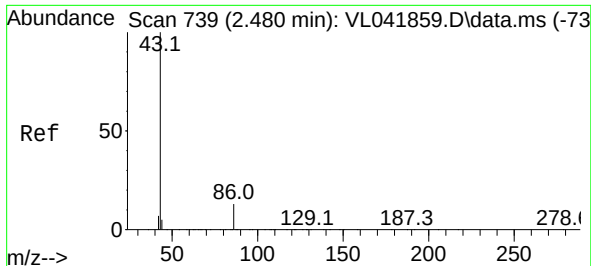
Delta R.T. -0.308 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Tgt Ion: 96	Resp: 1326
Ion Ratio	Lower Upper
96 100	
61 190.1	134.2 201.4
98 49.1	49.0 73.4

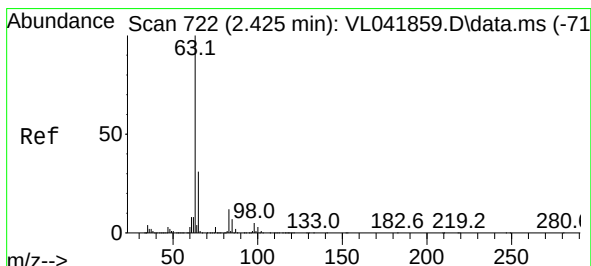
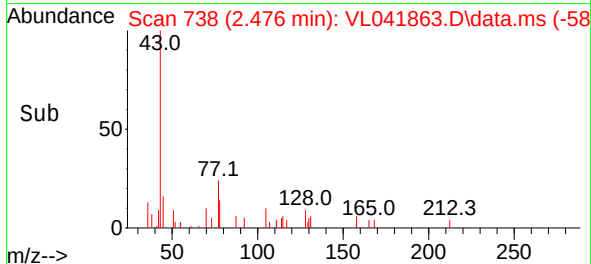
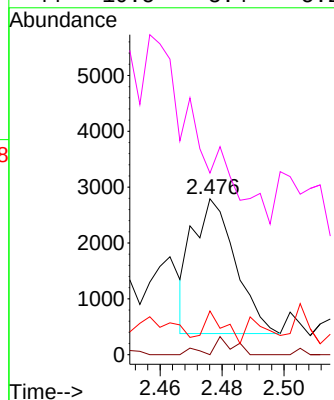
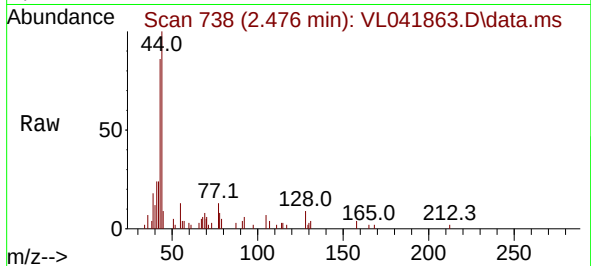




#23
Vinyl Acetate
Concen: 0.288 ppbv
RT: 2.476 min Scan# 739
Delta R.T. -0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

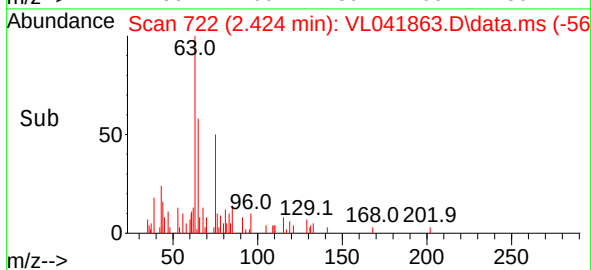
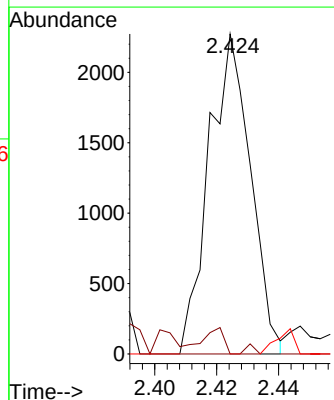
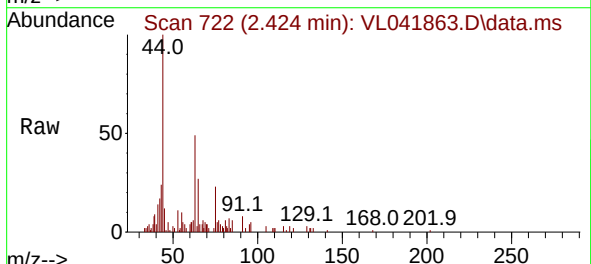
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

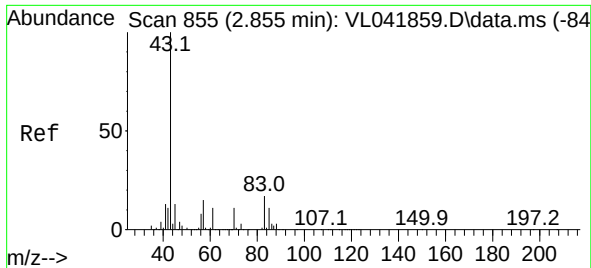
Tgt Ion:	43	Resp:	2311
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.6#
42	18.2	7.0	10.4#
44	10.5	3.4	5.2#



#24
1,1-Dichloroethane
Concen: 0.119 ppbv
RT: 2.424 min Scan# 722
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:	63	Resp:	2122
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.9#
100	0.0	1.3	3.8#

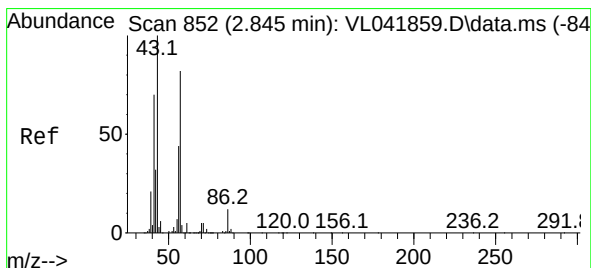
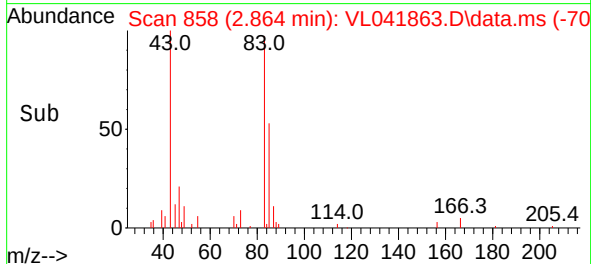
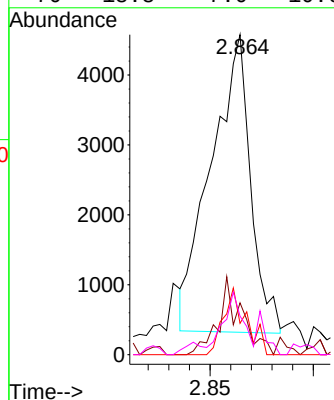
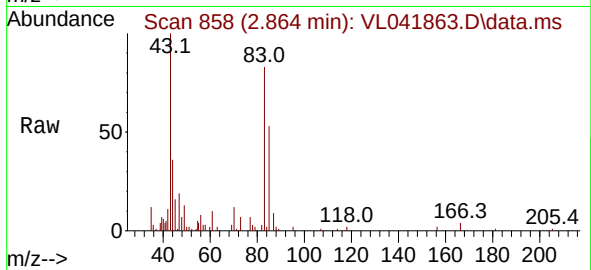




#25
Ethyl Acetate
Concen: 0.131 ppbv
RT: 2.864 min Scan# 858
Delta R.T. 0.009 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

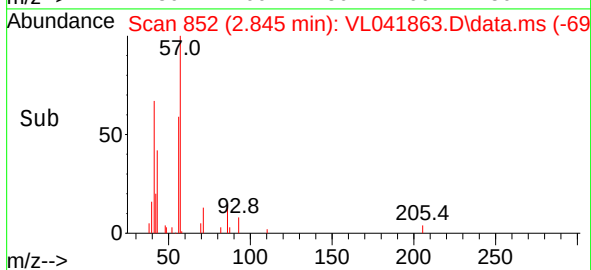
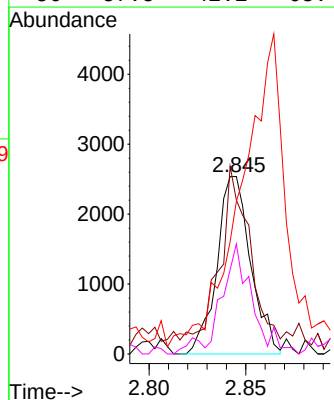
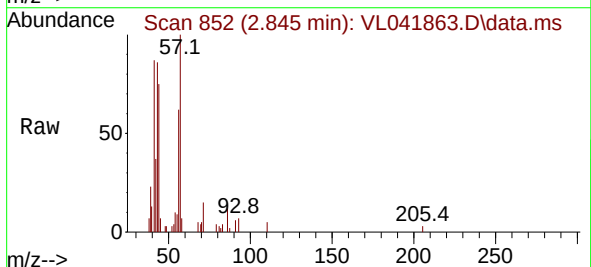
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

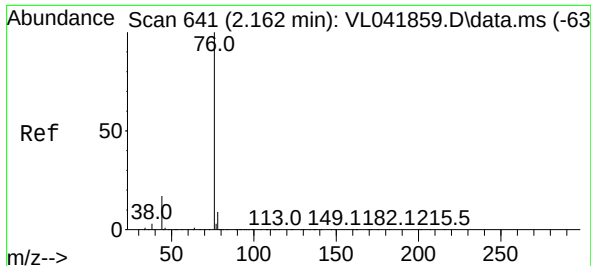
Tgt Ion: 43	Resp: 5651
Ion Ratio	Lower Upper
43 100	
45 15.5	8.4 12.6#
61 13.0	7.3 10.9#
70 18.8	7.0 10.6#



#26
Hexane
Concen: 0.205 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 57	Resp: 3081
Ion Ratio	Lower Upper
57 100	
41 115.1	71.5 107.3#
43 0.0	200.2 300.4#
56 57.5	42.2 63.4

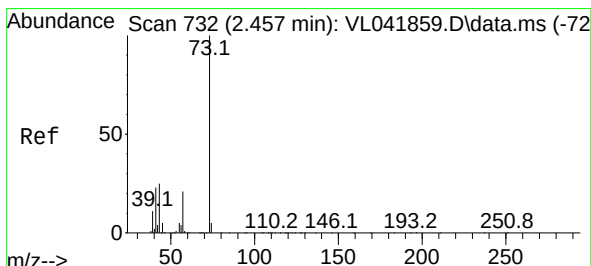
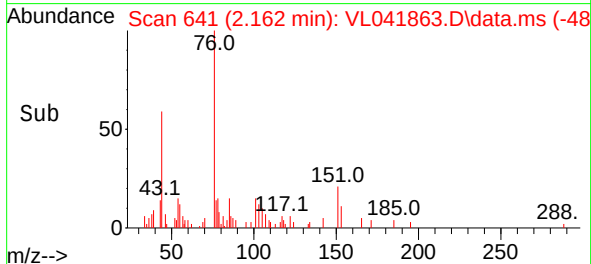
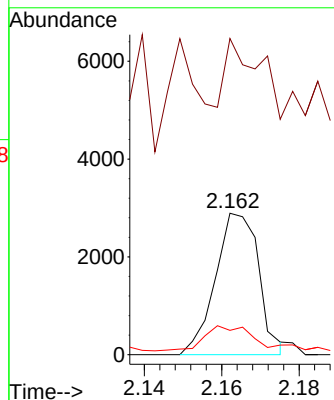
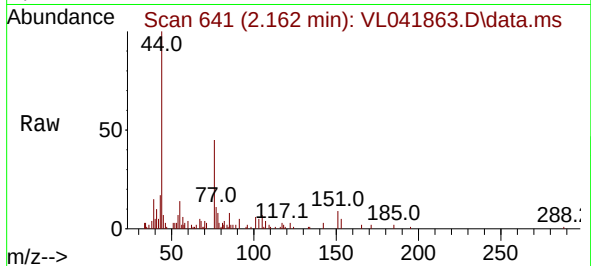




#27
Carbon Disulfide
Concen: 0.158 ppbv
RT: 2.162 min Scan# 641
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

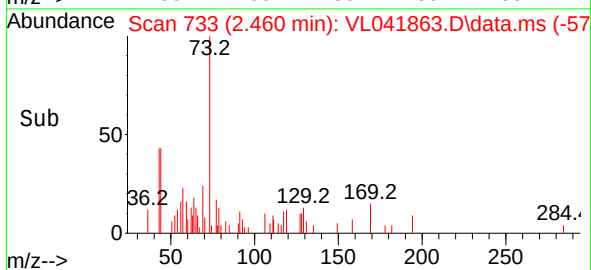
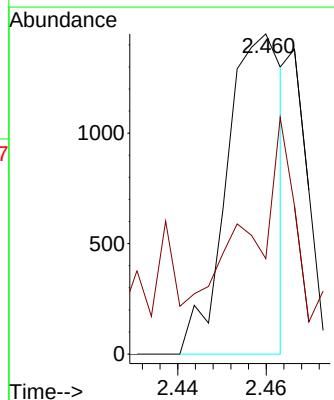
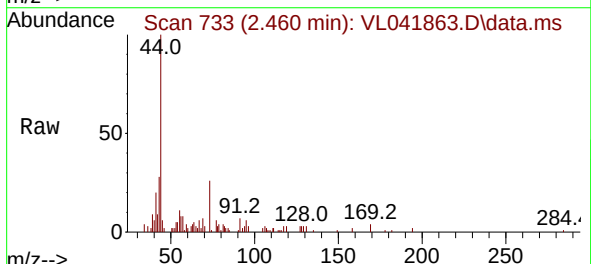
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

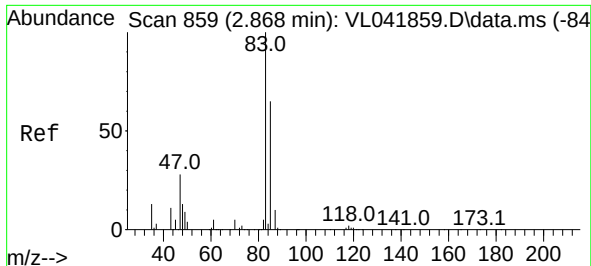
Tgt Ion: 76 Resp: 2245
Ion Ratio Lower Upper
76 100
44 780.2 13.1 19.7#
78 32.7 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.111 ppbv
RT: 2.460 min Scan# 733
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 73 Resp: 1252
Ion Ratio Lower Upper
73 100
57 0.0 17.5 26.3#





#29

Chloroform

Concen: 0.143 ppbv

RT: 2.864 min Scan# 85

Delta R.T. -0.004 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

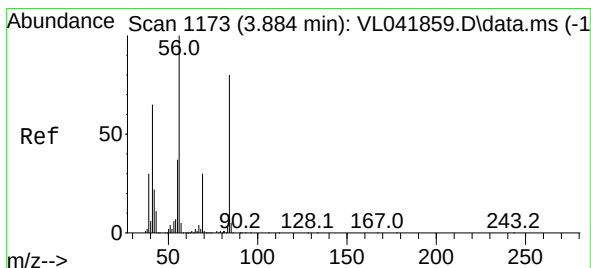
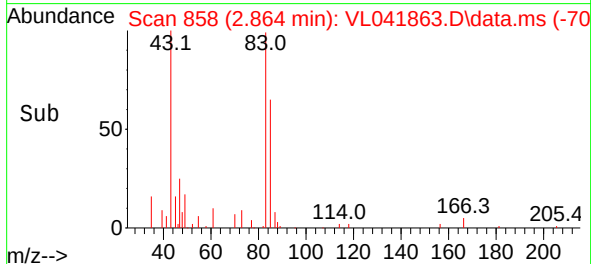
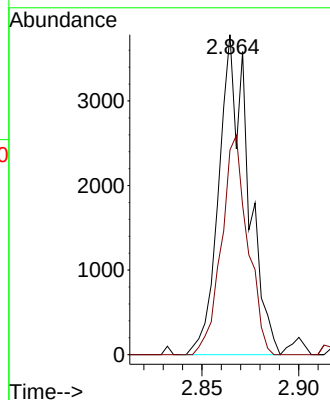
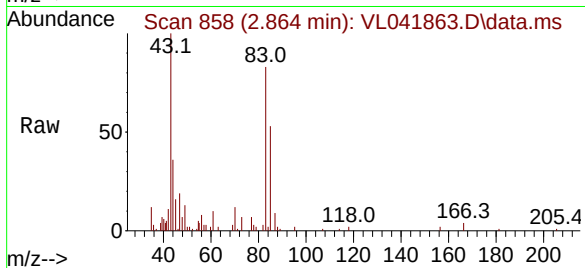
VSTDIC0.1

Tgt Ion: 83 Resp: 3997

Ion Ratio Lower Upper

83 100

85 63.9 51.7 77.5



#30

Cyclohexane

Concen: 0.065 ppbv

RT: 3.890 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

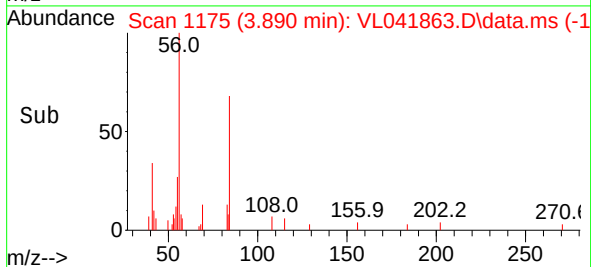
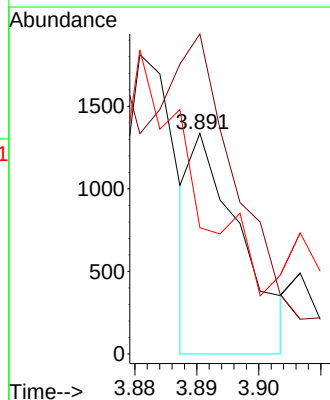
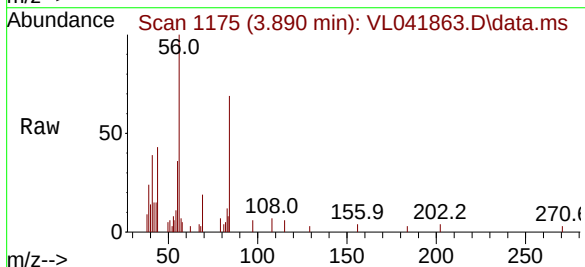
Tgt Ion: 84 Resp: 737

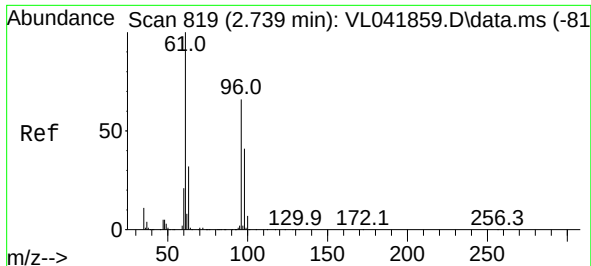
Ion Ratio Lower Upper

84 100

56 455.1 100.7 151.1#

41 0.0 62.8 94.2#

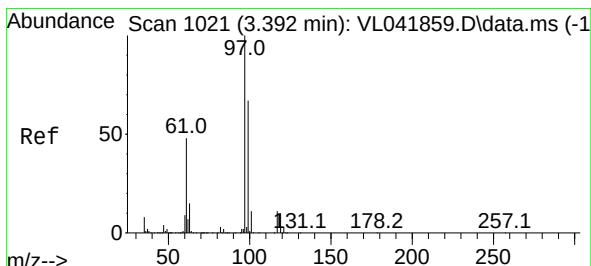
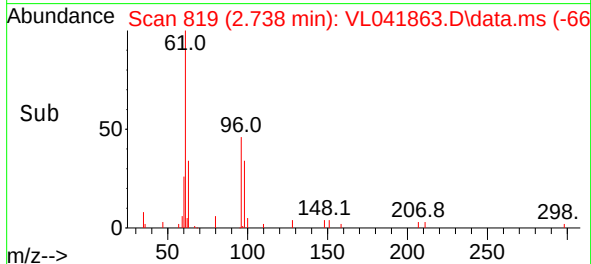
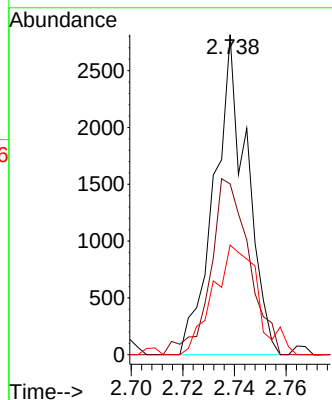
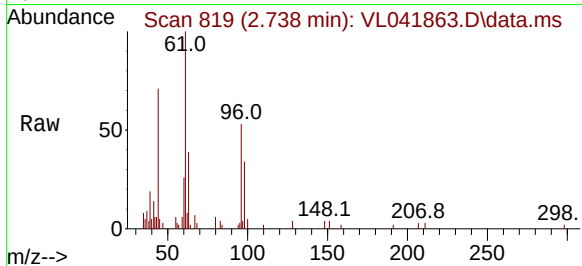




#31
 cis-1,2-Dichloroethene
 Concen: 0.160 ppbv
 RT: 2.738 min Scan# 819
 Delta R.T. -0.000 min
 Lab File: VL041863.D
 Acq: 09 Jan 2025 13:24

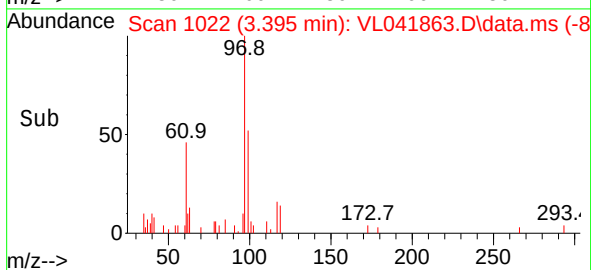
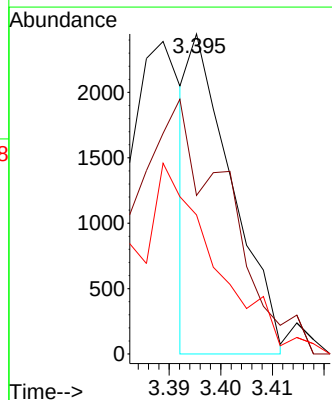
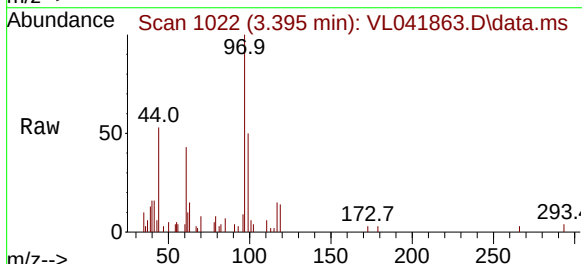
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

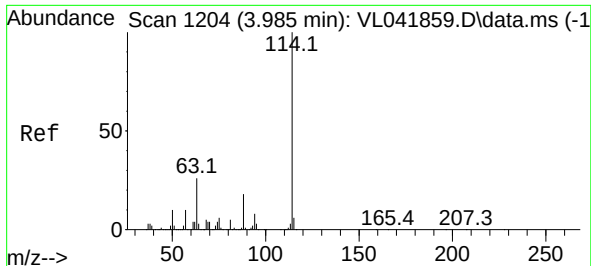
Tgt Ion: 61 Resp: 2470
 Ion Ratio Lower Upper
 61 100
 96 53.4 53.2 79.8
 98 34.3 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 0.056 ppbv
 RT: 3.395 min Scan# 1022
 Delta R.T. 0.003 min
 Lab File: VL041863.D
 Acq: 09 Jan 2025 13:24

Tgt Ion: 97 Resp: 1405
 Ion Ratio Lower Upper
 97 100
 99 179.2 52.0 78.0#
 61 0.0 38.8 58.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

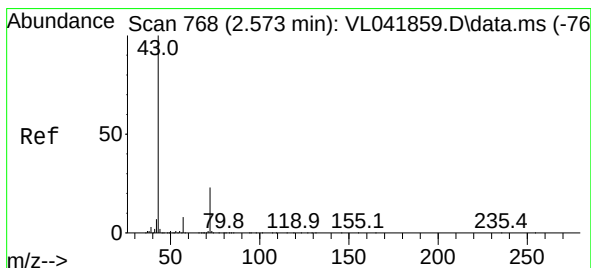
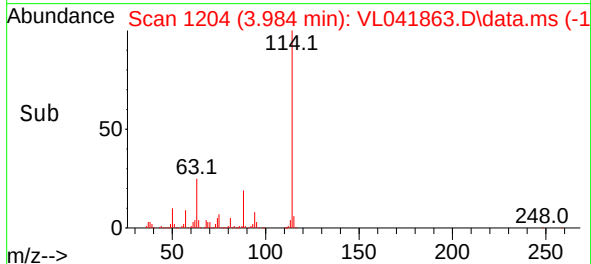
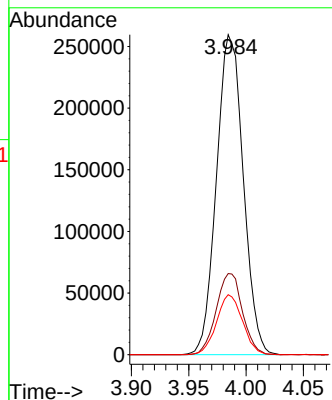
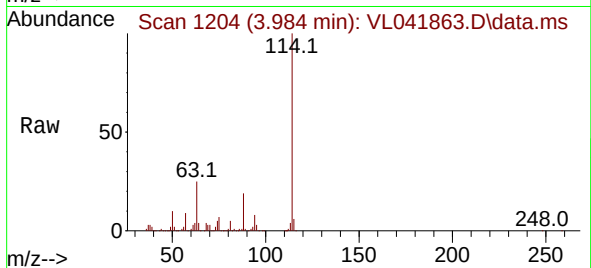
Tgt Ion:114 Resp: 422202

Ion Ratio Lower Upper

114 100

63 24.8 20.3 30.5

88 18.1 14.6 21.8



#34

2-Butanone

Concen: 0.132 ppbv

RT: 2.580 min Scan# 770

Delta R.T. 0.006 min

Lab File: VL041863.D

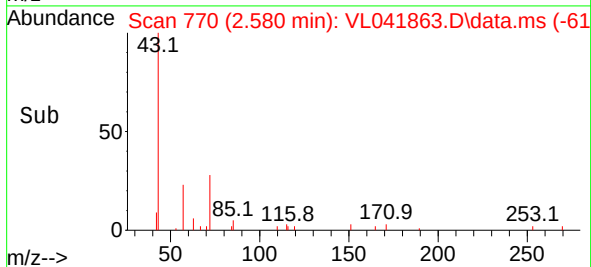
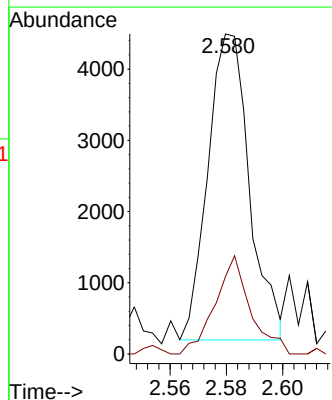
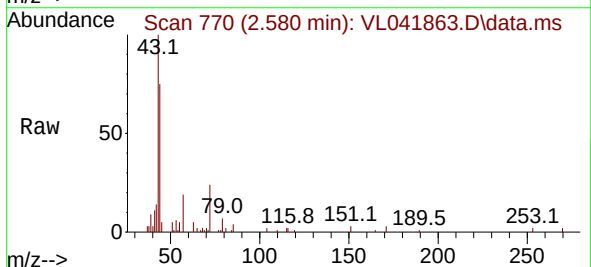
Acq: 09 Jan 2025 13:24

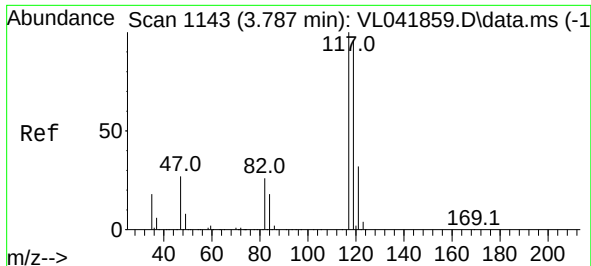
Tgt Ion: 43 Resp: 4402

Ion Ratio Lower Upper

43 100

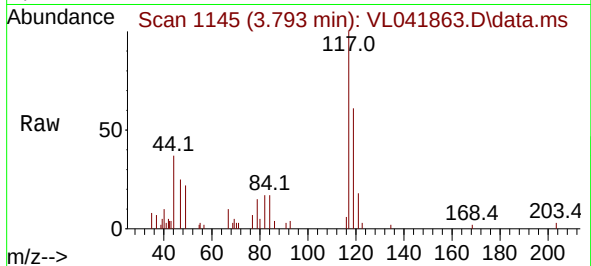
72 28.7 18.5 27.7#



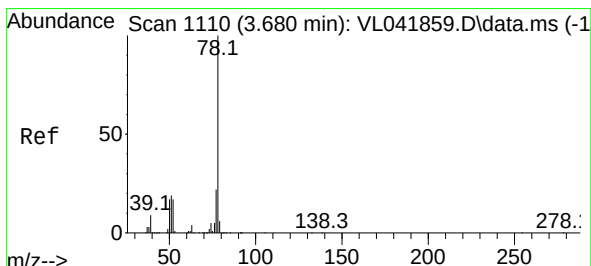
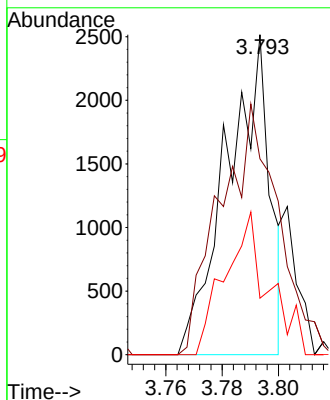
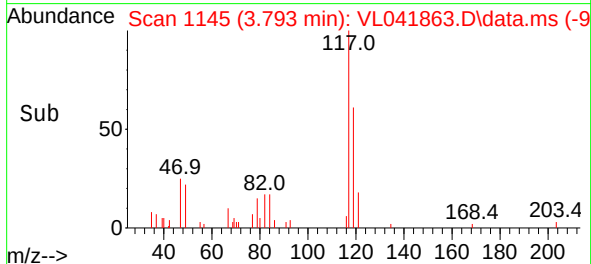


#35
Carbon Tetrachloride
Concen: 0.084 ppbv
RT: 3.793 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

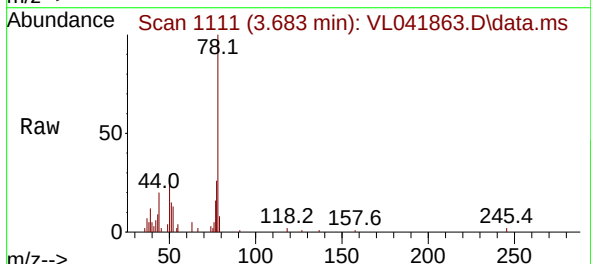
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



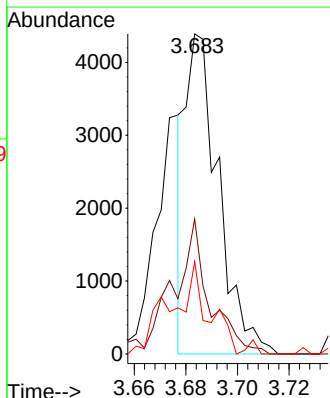
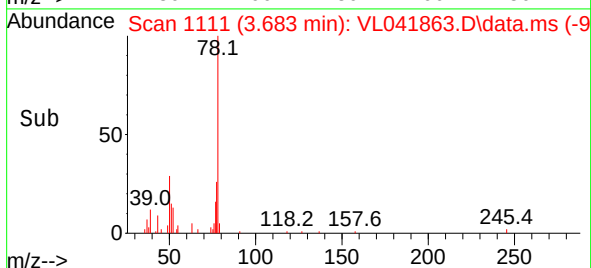
Tgt Ion:117 Resp: 2669
Ion Ratio Lower Upper
117 100
119 61.2 76.9 115.3#
121 17.6 25.9 38.9#

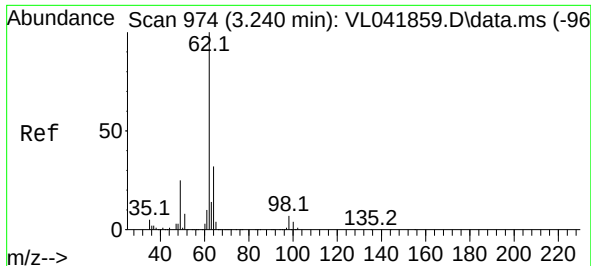


#36
Benzene
Concen: 0.096 ppbv
RT: 3.683 min Scan# 1111
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24



Tgt Ion: 78 Resp: 3888
Ion Ratio Lower Upper
78 100
77 42.2 17.9 26.9#
50 28.8 13.7 20.5#

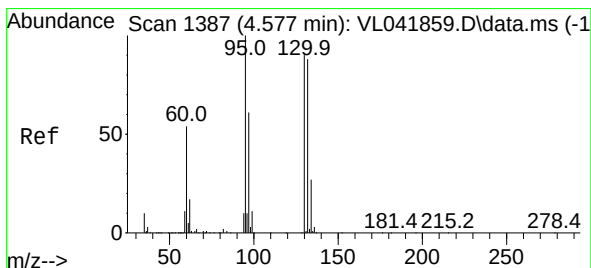
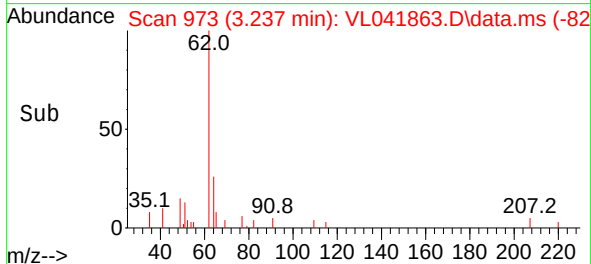
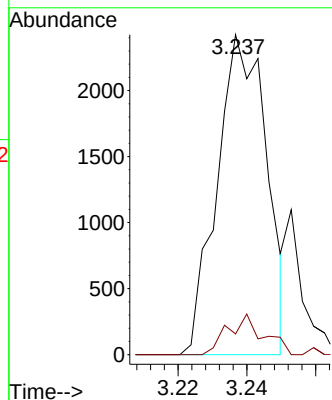
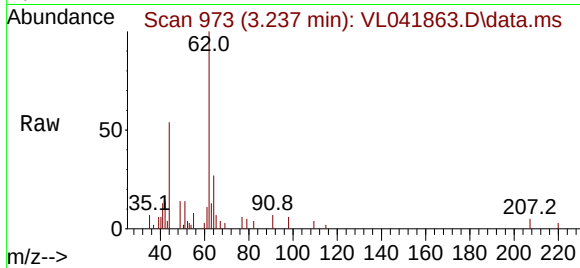




#37
1,2-Dichloroethane
Concen: 0.091 ppbv
RT: 3.237 min Scan# 91
Delta R.T. -0.004 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

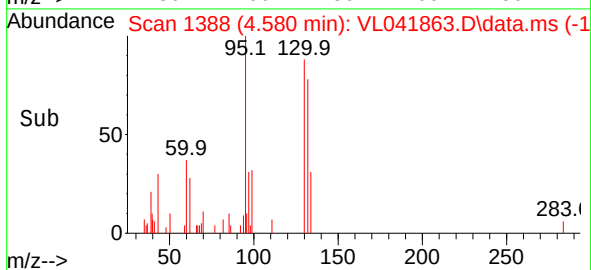
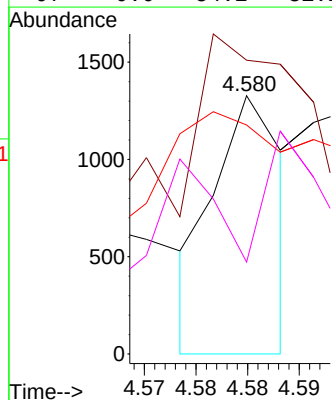
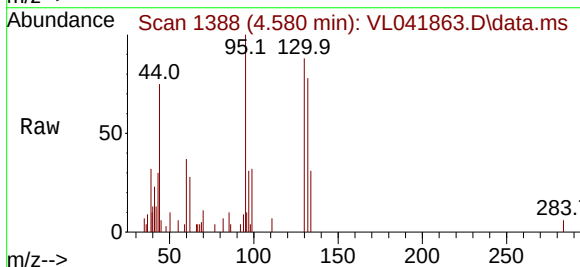
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

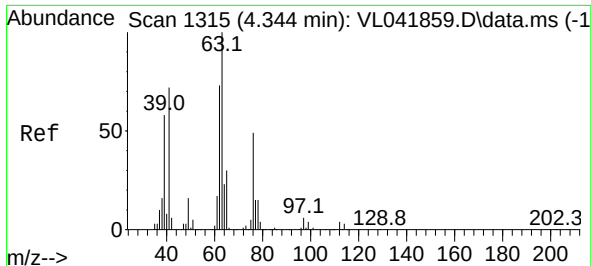
Tgt Ion: 62 Resp: 2424
Ion Ratio Lower Upper
62 100
98 9.5 5.6 8.4#



#38
Trichloroethene
Concen: 0.040 ppbv
RT: 4.580 min Scan# 1388
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:130 Resp: 620
Ion Ratio Lower Upper
130 100
95 120.3 88.5 132.7
132 17.5 78.2 117.2#
97 0.0 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 0.080 ppbv

RT: 4.344 min Scan# 1409

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

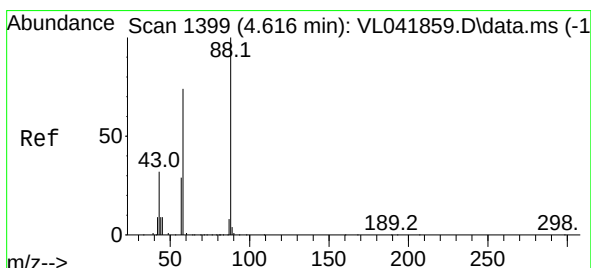
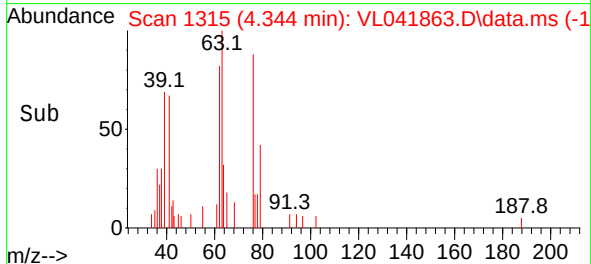
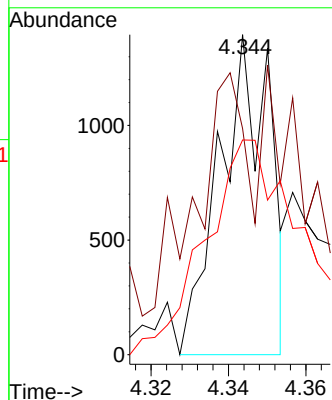
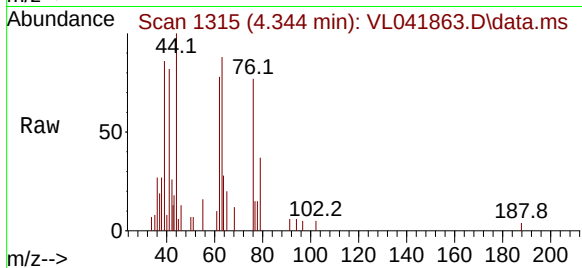
Tgt Ion: 63 Resp: 1255

Ion Ratio Lower Upper

63 100

41 40.8 58.0 87.0#

62 52.4 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.074 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.032 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Tgt Ion: 88 Resp: 444

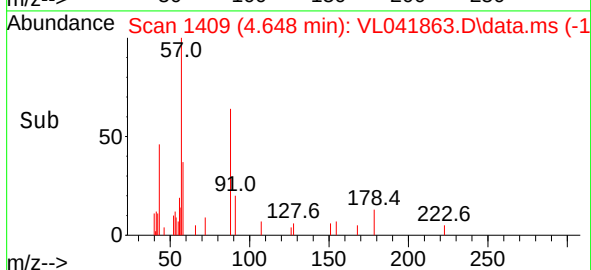
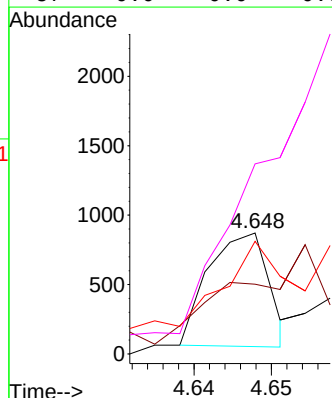
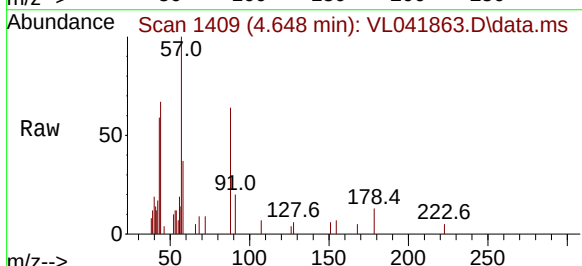
Ion Ratio Lower Upper

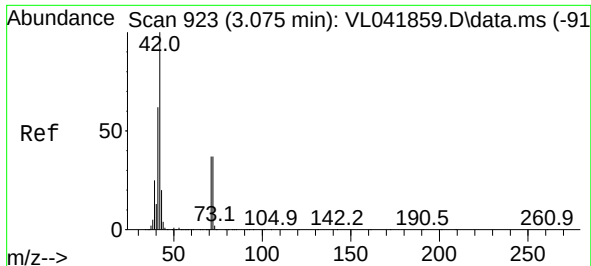
88 100

58 310.6 52.2 78.4#

43 371.4 0.0 0.0#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.010 ppbv

RT: 3.072 min Scan# 91

Delta R.T. -0.004 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

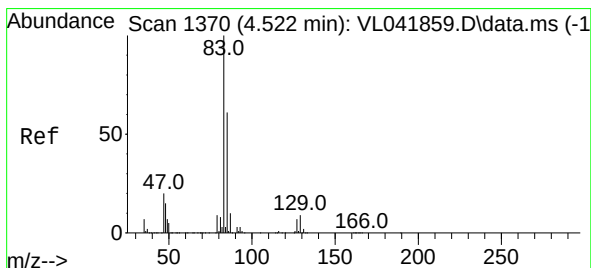
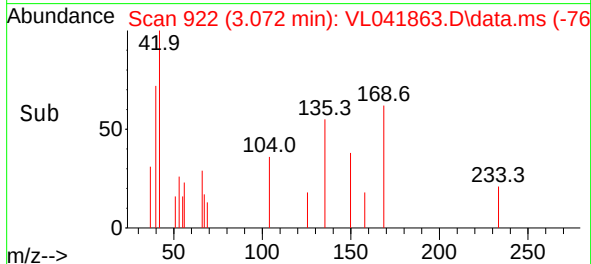
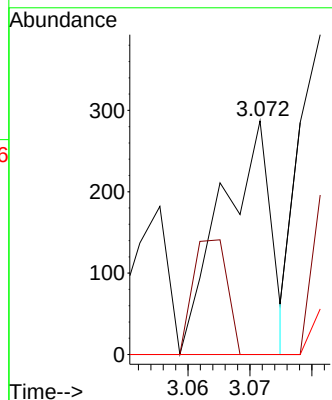
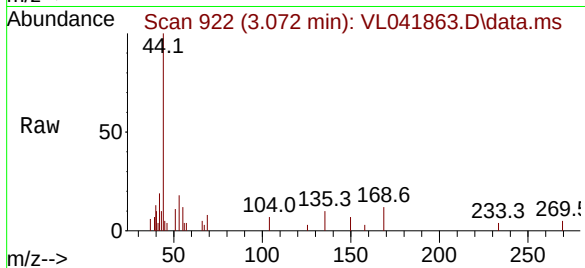
Tgt Ion: 42 Resp: 160

Ion Ratio Lower Upper

42 100

72 0.0 30.8 46.2#

71 0.0 30.1 45.1#



#42

Bromodichloromethane

Concen: 0.126 ppbv

RT: 4.522 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

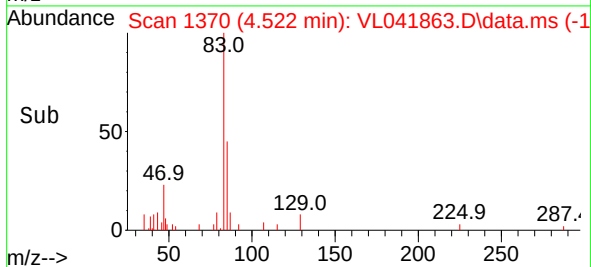
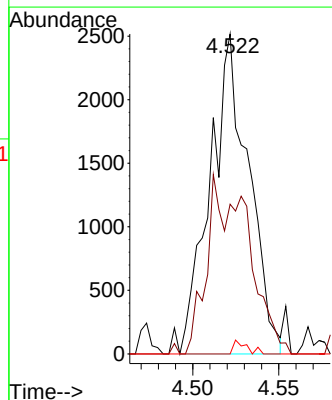
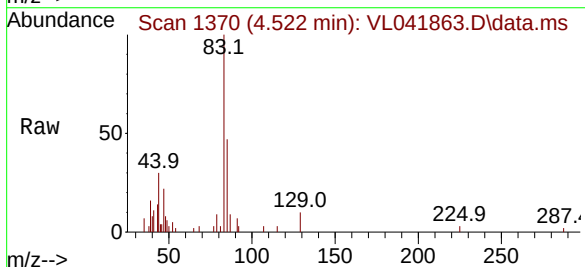
Tgt Ion: 83 Resp: 3932

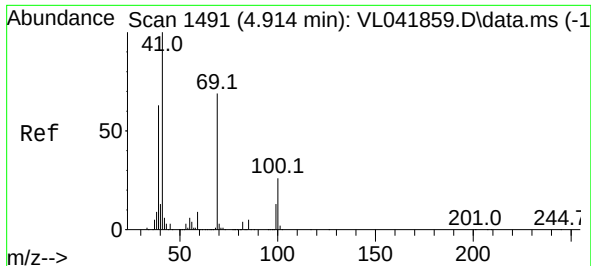
Ion Ratio Lower Upper

83 100

85 46.8 48.9 73.3#

127 0.0 5.4 8.2#





#43

Methyl Methacrylate

Concen: 0.087 ppbv

RT: 4.917 min Scan# 1492

Delta R.T. 0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

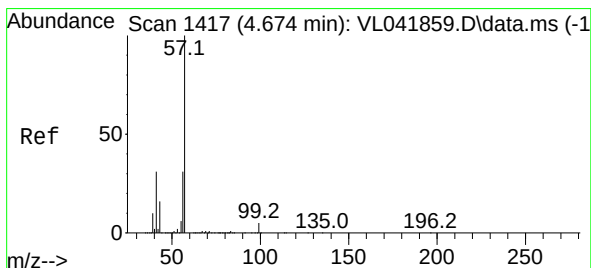
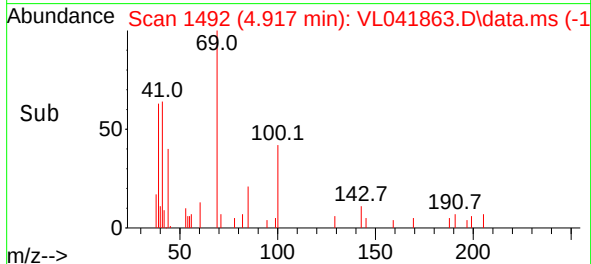
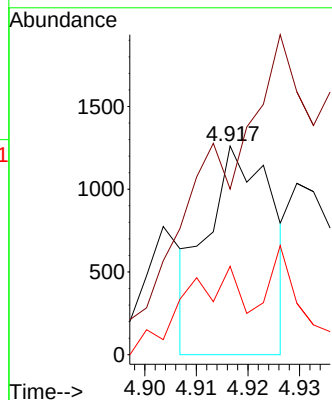
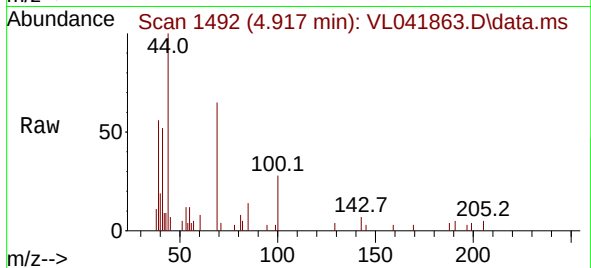
Tgt Ion: 69 Resp: 1096

Ion Ratio Lower Upper

69 100

41 0.0 116.2 174.4#

100 0.0 29.8 44.8#



#44

2,2,4-Trimethylpentane

Concen: 0.067 ppbv

RT: 4.667 min Scan# 1415

Delta R.T. -0.007 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

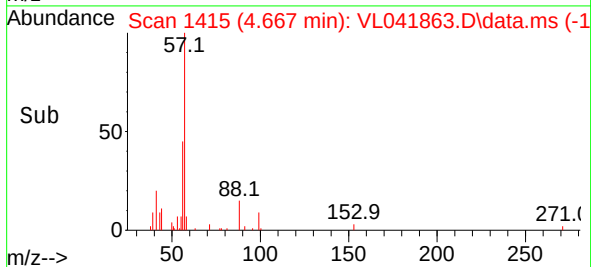
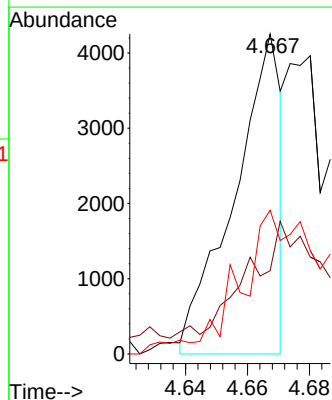
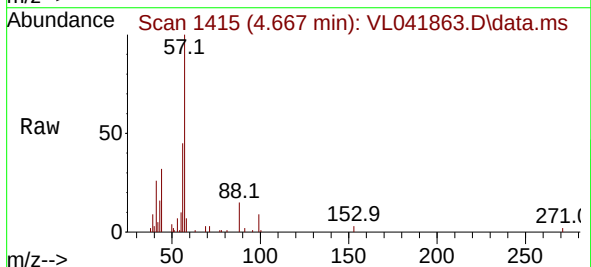
Tgt Ion: 57 Resp: 4463

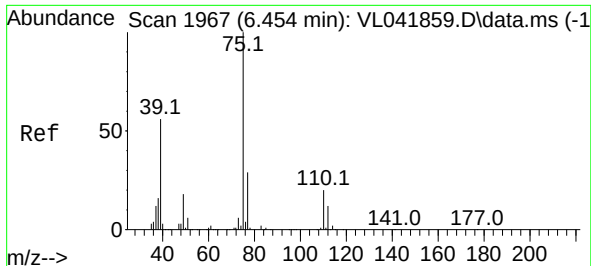
Ion Ratio Lower Upper

57 100

41 80.3 25.5 38.3#

56 87.9 25.6 38.4#





#45

t-1,3-Dichloropropene

Concen: 0.067 ppbv

RT: 6.460 min Scan# 1967

Delta R.T. 0.006 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

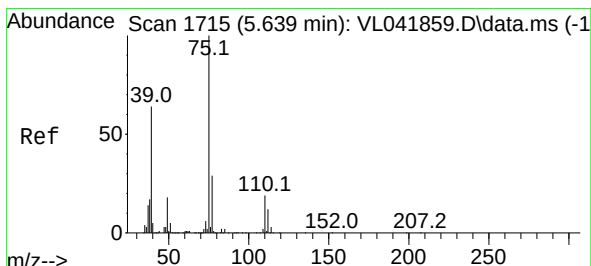
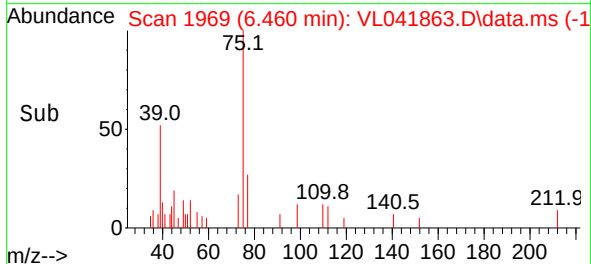
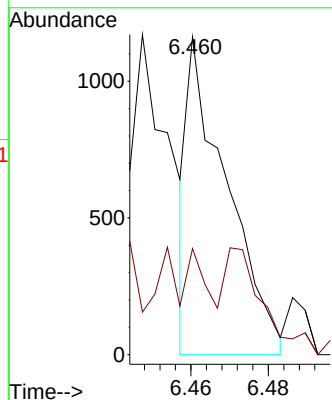
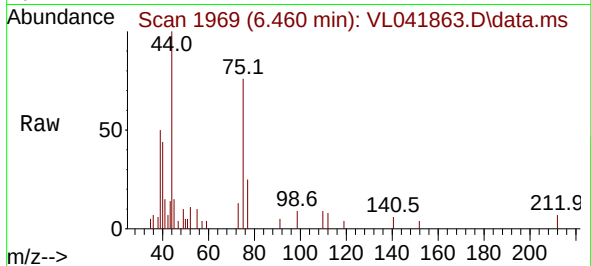
VSTDIC0.1

Tgt Ion: 75 Resp: 824

Ion Ratio Lower Upper

75 100

77 33.4 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 0.020 ppbv

RT: 5.635 min Scan# 1714

Delta R.T. -0.004 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

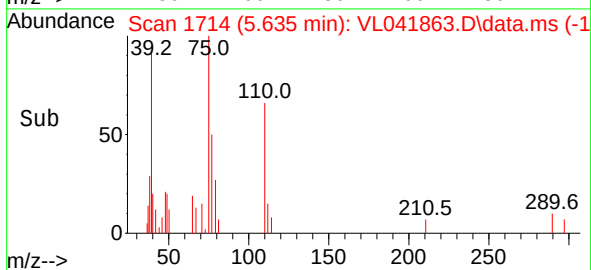
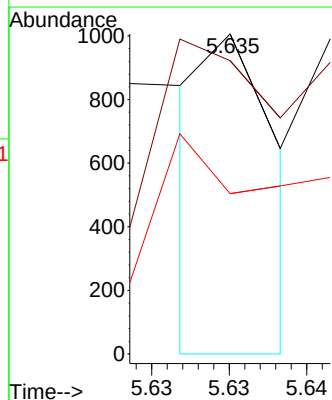
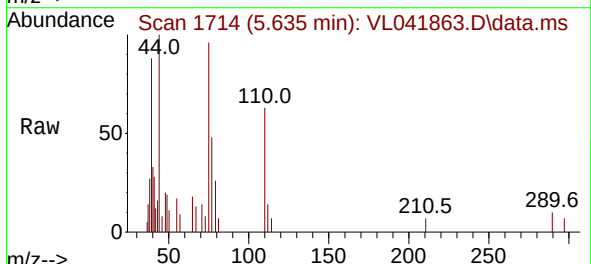
Tgt Ion: 75 Resp: 320

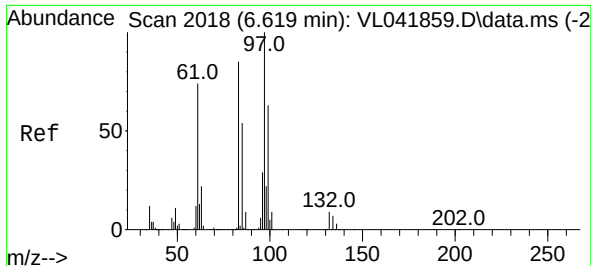
Ion Ratio Lower Upper

75 100

39 50.0 51.4 77.2#

77 0.0 23.0 34.4#





#47

1,1,2-Trichloroethane

Concen: 0.029 ppbv

RT: 6.616 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 484

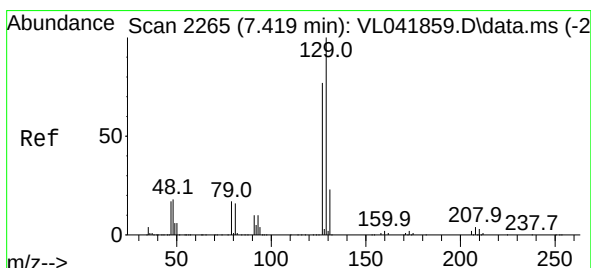
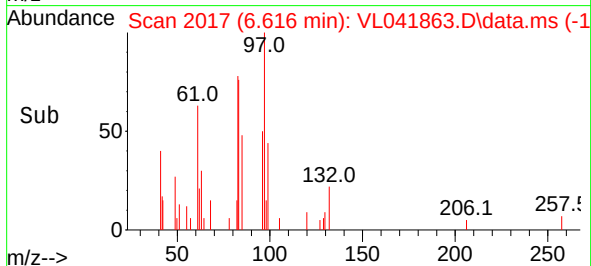
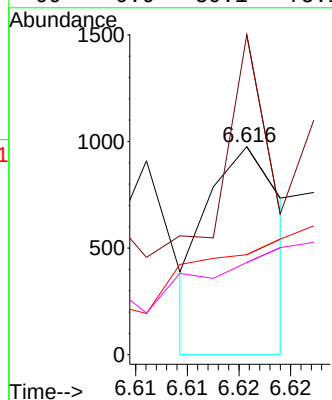
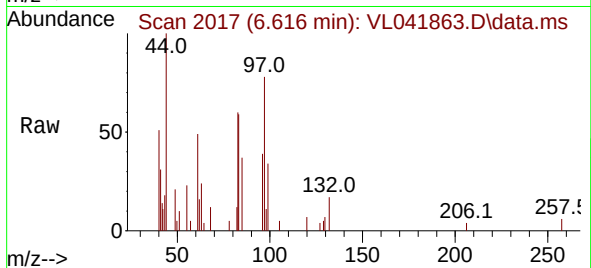
Ion Ratio Lower Upper

97 100

83 160.4 68.1 102.1#

85 7.8 43.4 65.2#

99 0.0 50.1 75.1#



#48

Dibromochloromethane

Concen: 0.045 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. -0.007 min

Lab File: VL041863.D

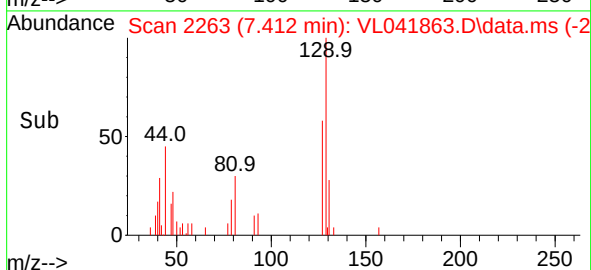
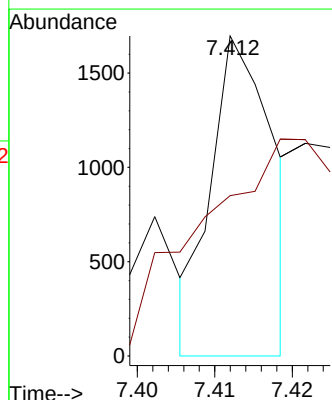
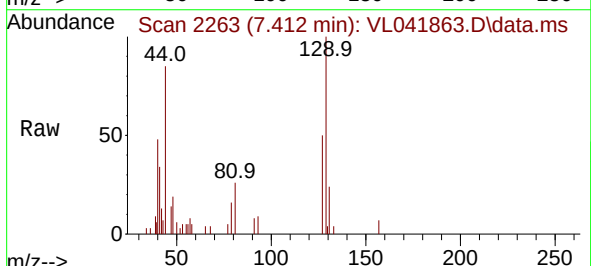
Acq: 09 Jan 2025 13:24

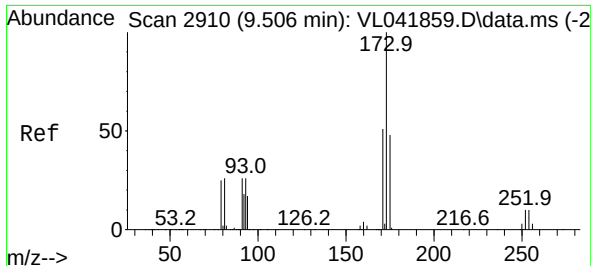
Tgt Ion: 129 Resp: 942

Ion Ratio Lower Upper

129 100

127 213.2 39.4 118.1#





#49

Bromoform

Concen: 0.080 ppbv

RT: 9.506 min Scan# 20

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

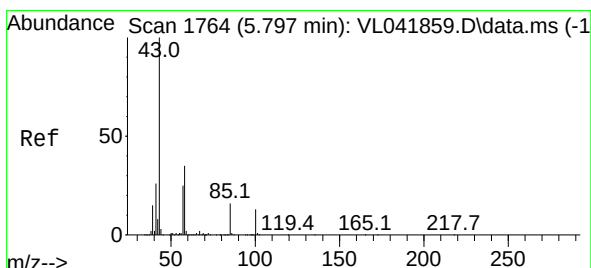
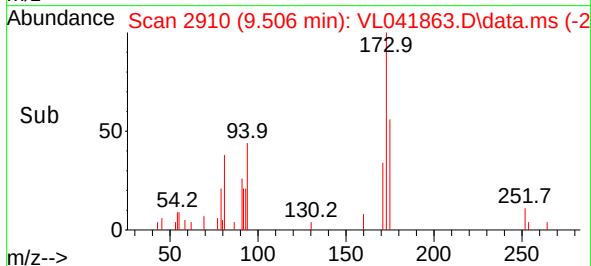
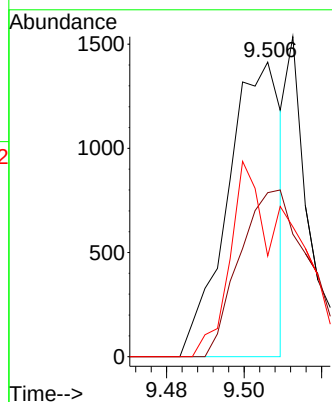
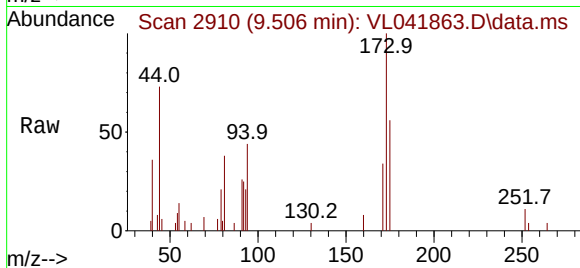
Tgt Ion:173 Resp: 1354

Ion Ratio Lower Upper

173 100

175 71.0 38.2 57.2#

171 79.8 41.3 61.9#



#50

4-Methyl-2-Pentanone

Concen: 0.003 ppbv

RT: 5.781 min Scan# 1759

Delta R.T. -0.016 min

Lab File: VL041863.D

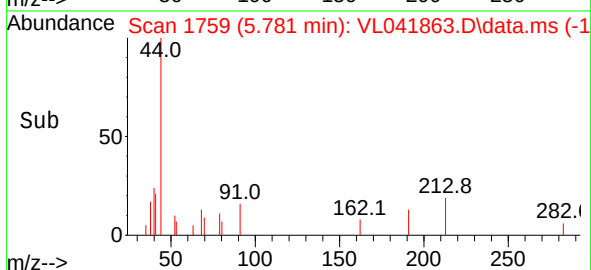
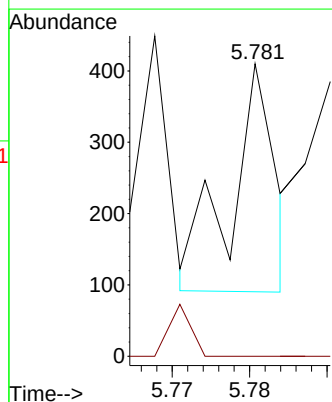
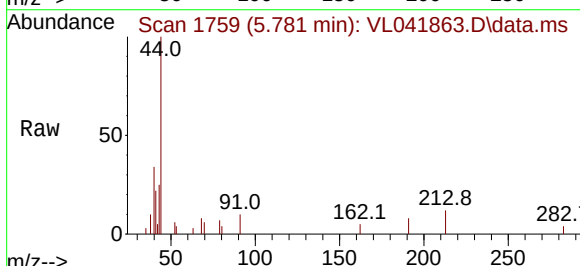
Acq: 09 Jan 2025 13:24

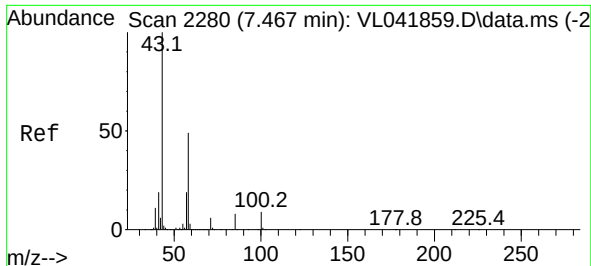
Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#

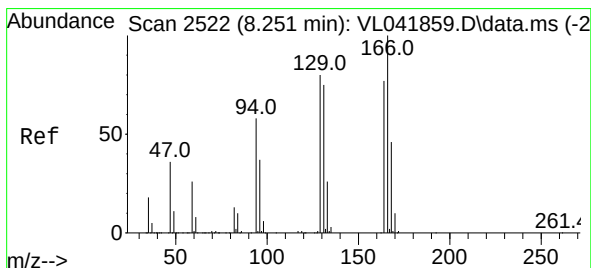
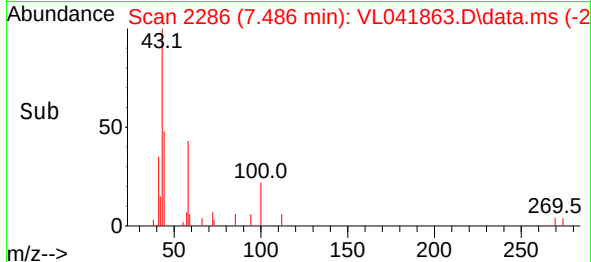
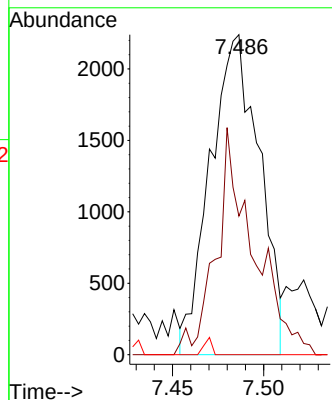
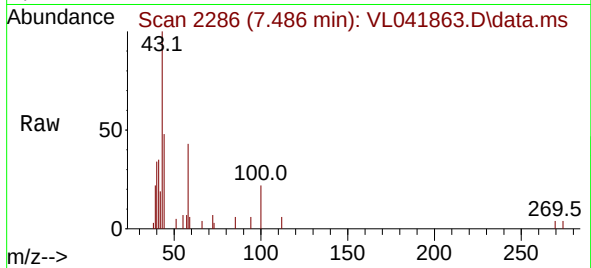




#51
2-Hexanone
Concen: 0.144 ppbv
RT: 7.486 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

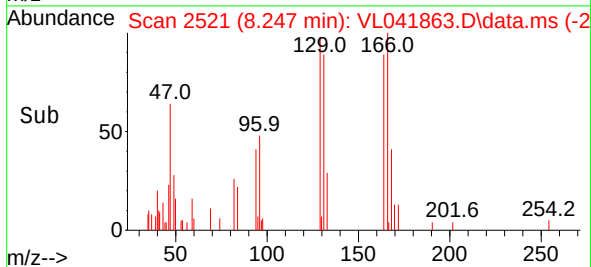
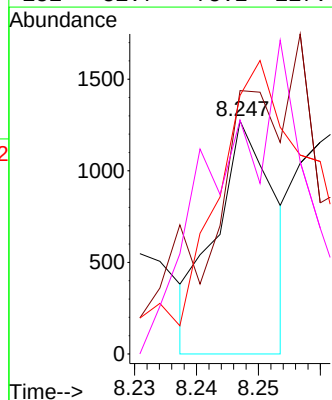
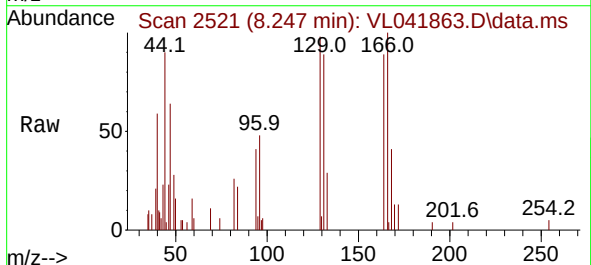
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

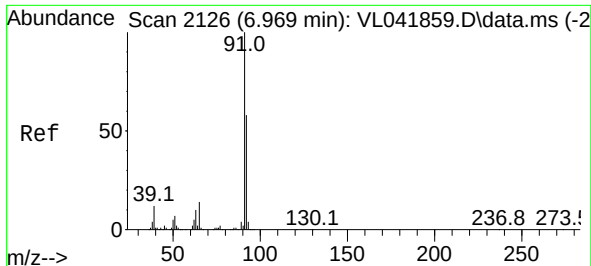
Tgt Ion: 43 Resp: 4204
Ion Ratio Lower Upper
43 100
58 53.8 40.0 60.0
98 0.9 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.070 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 164 Resp: 837
Ion Ratio Lower Upper
164 100
166 89.3 103.6 155.4#
129 141.0 82.6 123.8#
131 81.7 78.2 117.4

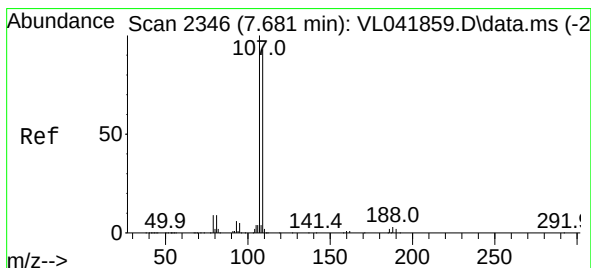
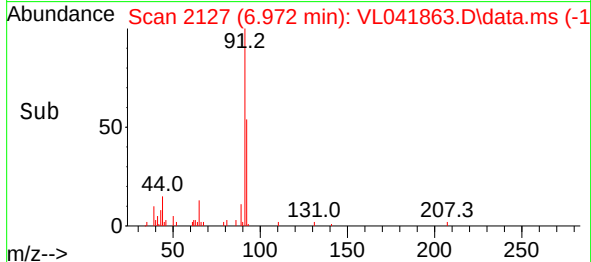
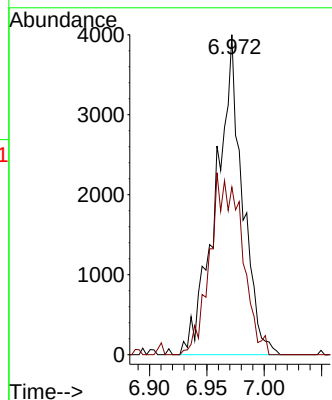
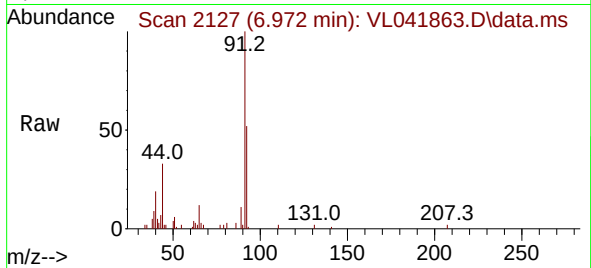




#53
Toluene
Concen: 0.180 ppbv
RT: 6.972 min Scan# 2127
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

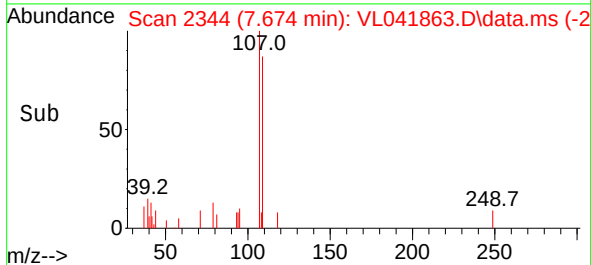
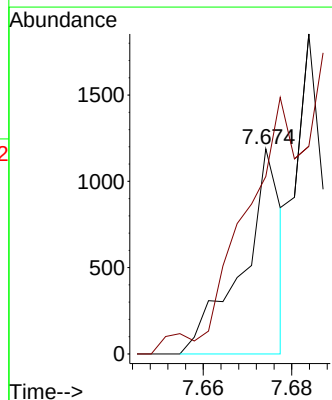
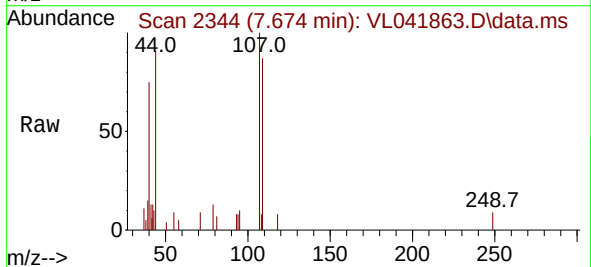
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

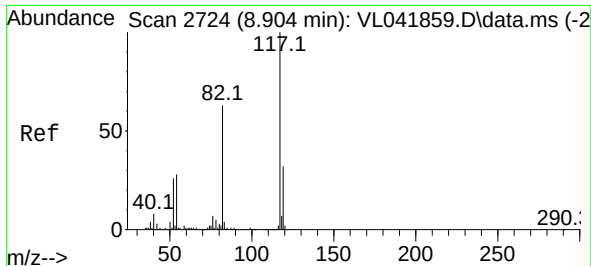
Tgt Ion: 91 Resp: 6449
Ion Ratio Lower Upper
91 100
92 68.1 47.2 70.8



#54
1,2-Dibromoethane
Concen: 0.036 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.007 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 107 Resp: 718
Ion Ratio Lower Upper
107 100
109 76.7 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.907 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

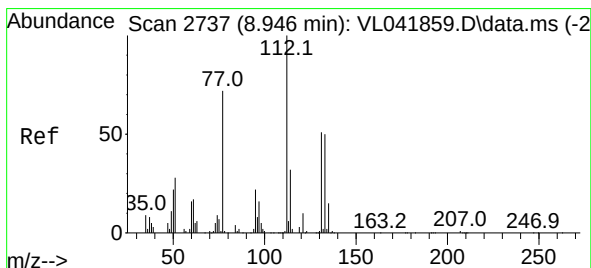
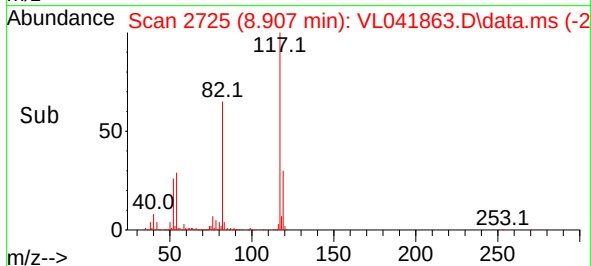
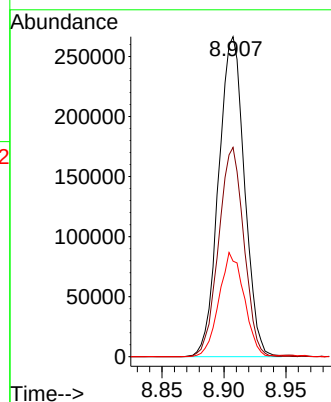
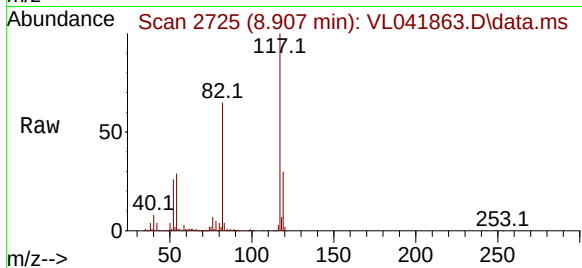
Tgt Ion:117 Resp: 386905

Ion Ratio Lower Upper

117 100

82 64.3 54.5 81.7

119 32.3 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.095 ppbv

RT: 8.953 min Scan# 2739

Delta R.T. 0.006 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

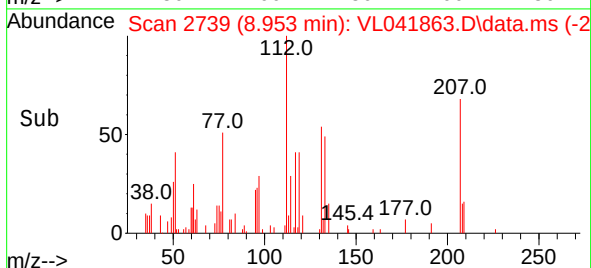
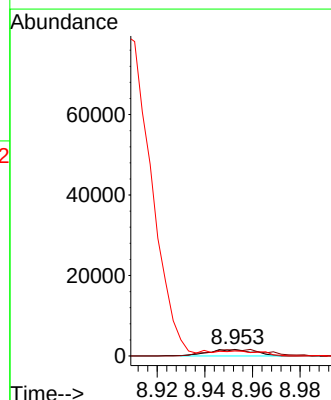
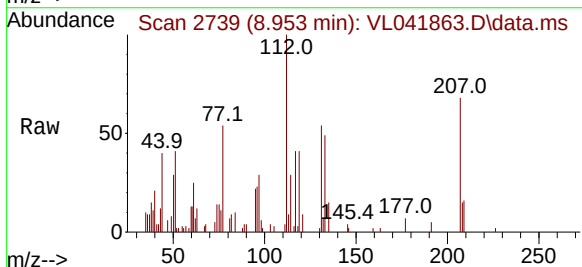
Tgt Ion:131 Resp: 2090

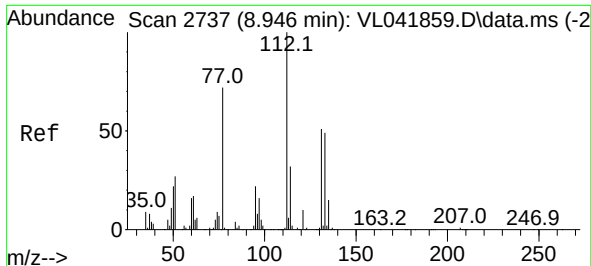
Ion Ratio Lower Upper

131 100

133 133.0 77.4 116.2#

119 0.0 49.4 74.0#





#57

Chlorobenzene

Concen: 0.111 ppbv

RT: 8.949 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

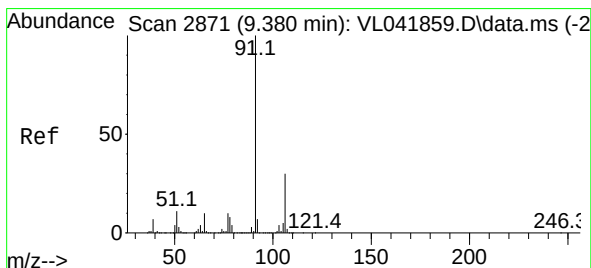
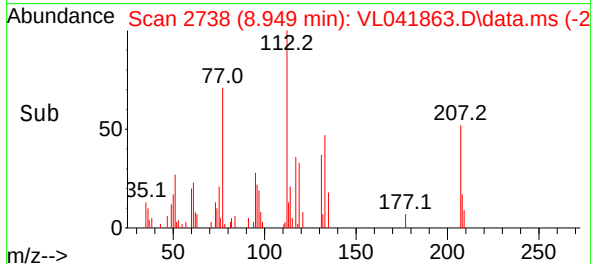
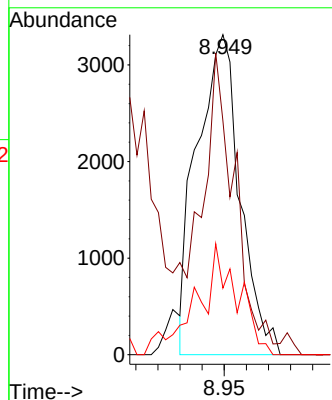
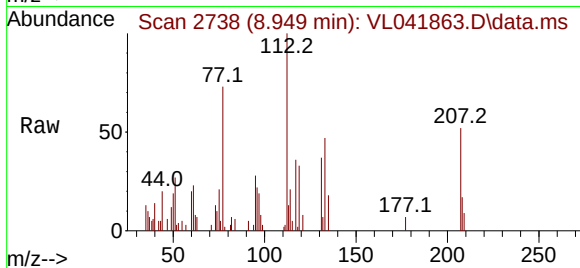
Tgt Ion:112 Resp: 4483

Ion Ratio Lower Upper

112 100

77 69.5 58.3 87.5

114 20.8 28.9 35.3#



#58

Ethyl Benzene

Concen: 0.166 ppbv

RT: 9.377 min Scan# 2870

Delta R.T. -0.004 min

Lab File: VL041863.D

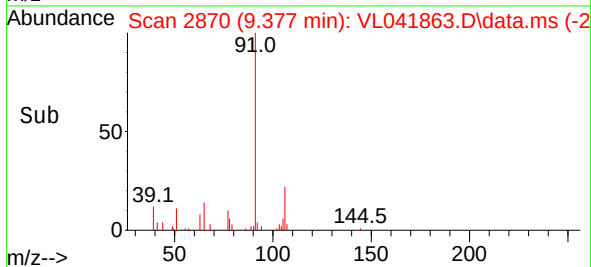
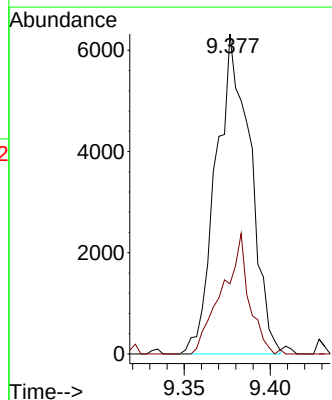
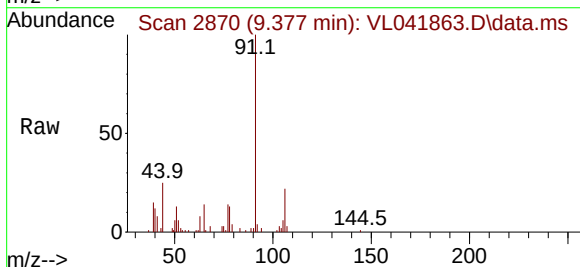
Acq: 09 Jan 2025 13:24

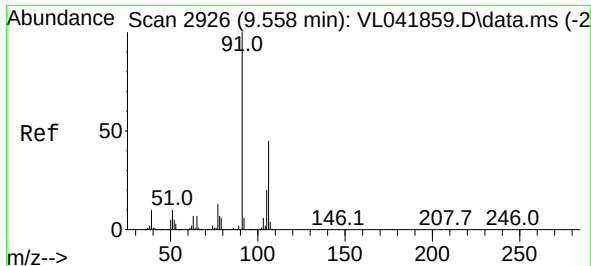
Tgt Ion: 91 Resp: 8736

Ion Ratio Lower Upper

91 100

106 22.0 24.2 36.2#





#59

m/p-Xylene

Concen: 0.055 ppbv

RT: 9.564 min Scan# 2926

Delta R.T. 0.006 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

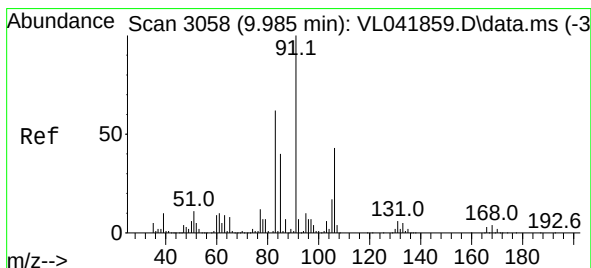
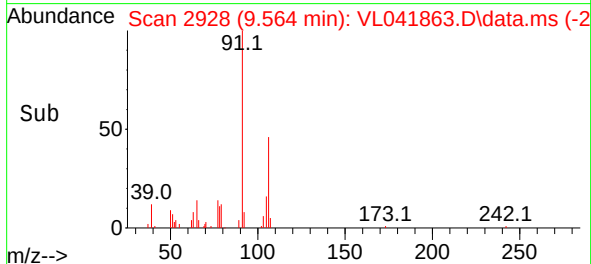
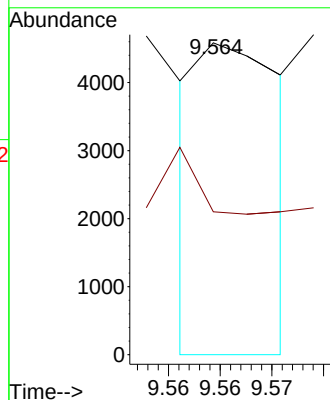
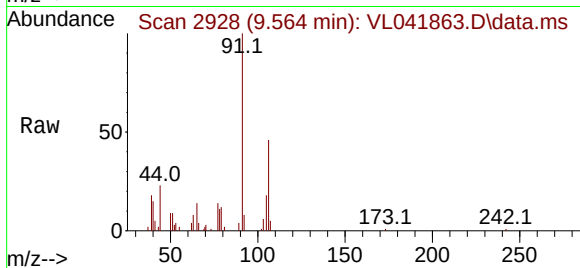
VSTDIC0.1

Tgt Ion: 91 Resp: 2538

Ion Ratio Lower Upper

91 100

106 259.5 0.0 0.0#



#60

o-Xylene

Concen: 0.154 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. -0.000 min

Lab File: VL041863.D

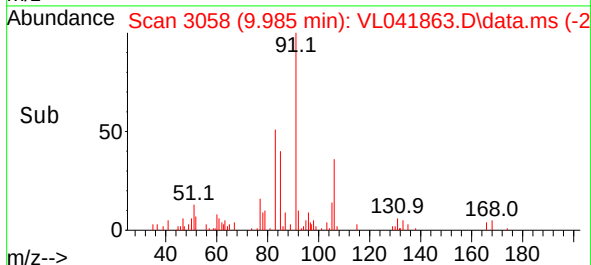
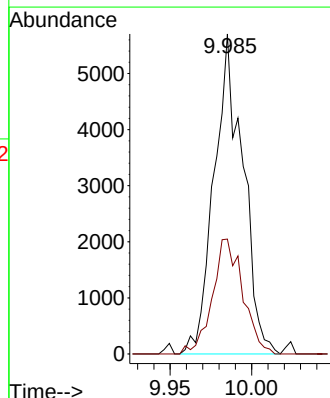
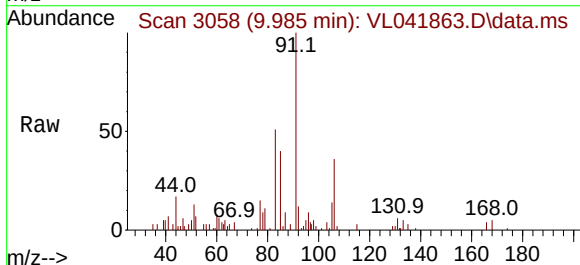
Acq: 09 Jan 2025 13:24

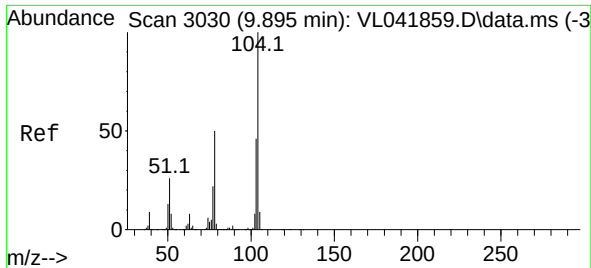
Tgt Ion: 91 Resp: 6988

Ion Ratio Lower Upper

91 100

106 38.0 21.4 64.3

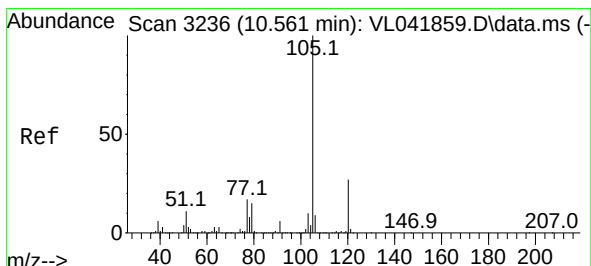
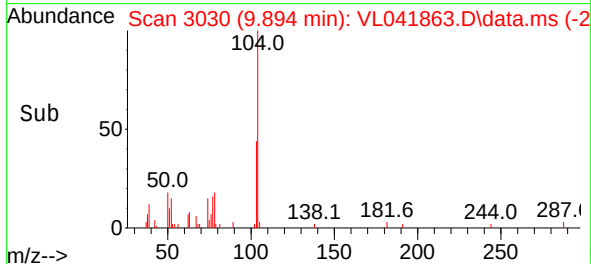
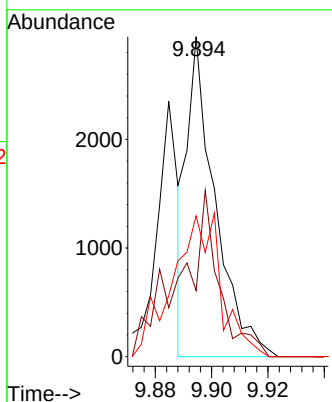
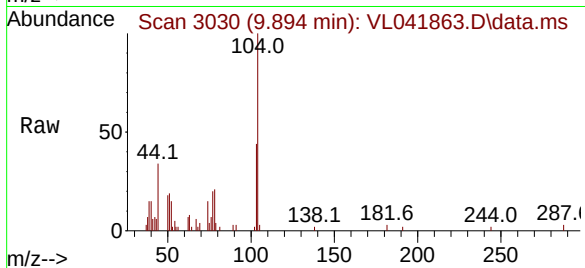




#61
Styrene
Concen: 0.117 ppbv
RT: 9.894 min Scan# 3030
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

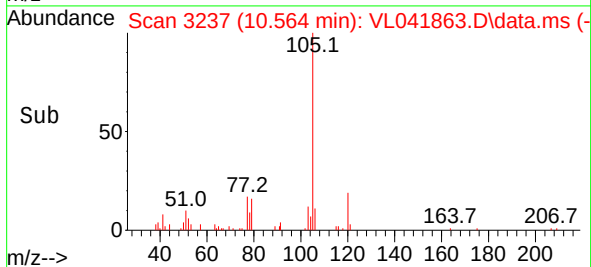
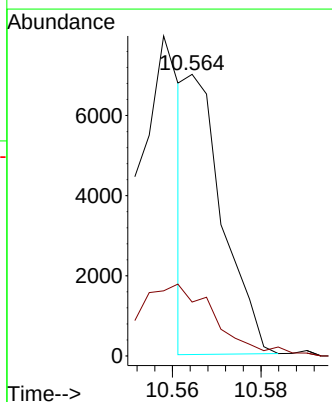
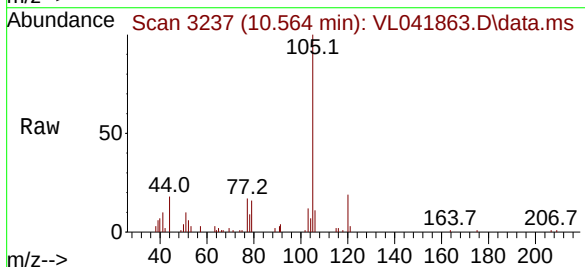
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

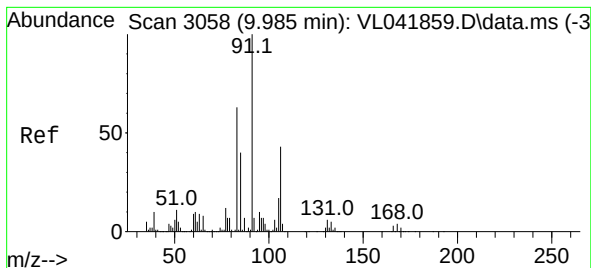
Tgt Ion:104 Resp: 2048
Ion Ratio Lower Upper
104 100
78 74.1 40.7 61.1#
103 77.2 37.0 55.6#



#62
Isopropylbenzene
Concen: 0.056 ppbv
RT: 10.564 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:105 Resp: 3997
Ion Ratio Lower Upper
105 100
120 57.1 20.3 30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.107 ppbv

RT: 9.992 min Scan# 3060

Delta R.T. 0.006 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

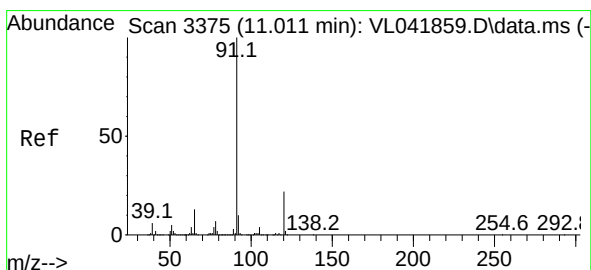
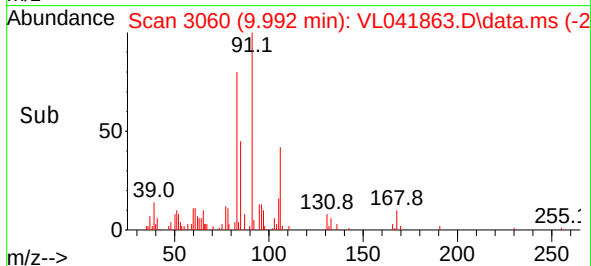
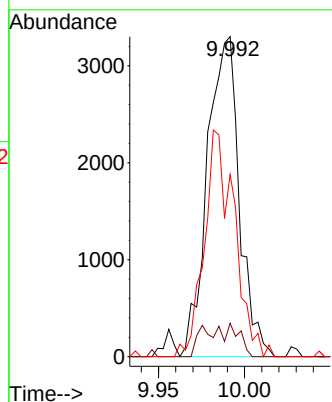
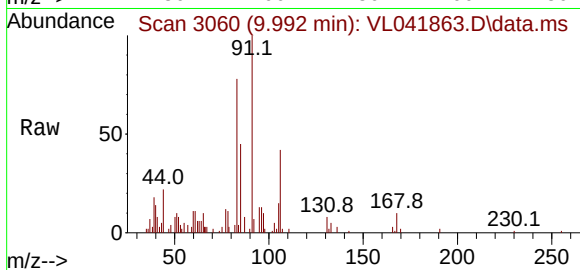
Tgt Ion: 83 Resp: 4264

Ion Ratio Lower Upper

83 100

131 11.0 4.8 14.3

85 66.7 32.1 96.3



#64

n-propylbenzene

Concen: 0.061 ppbv

RT: 11.014 min Scan# 3376

Delta R.T. 0.003 min

Lab File: VL041863.D

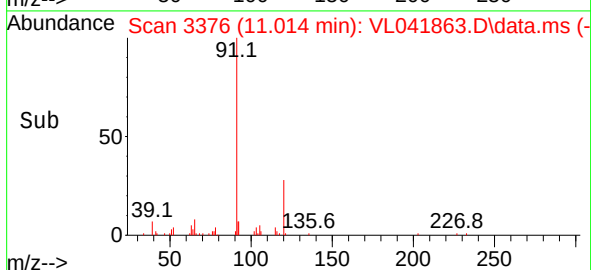
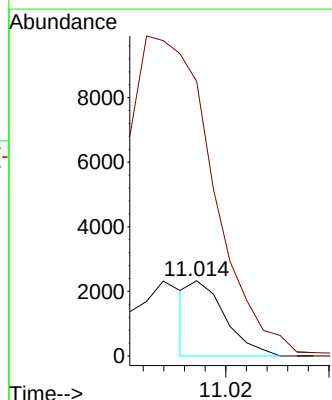
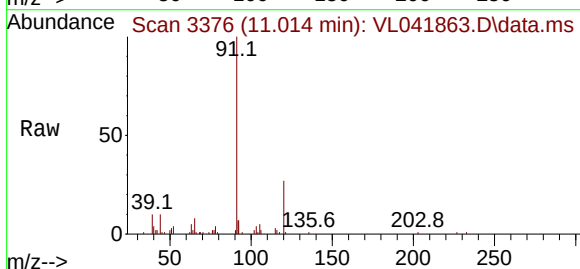
Acq: 09 Jan 2025 13:24

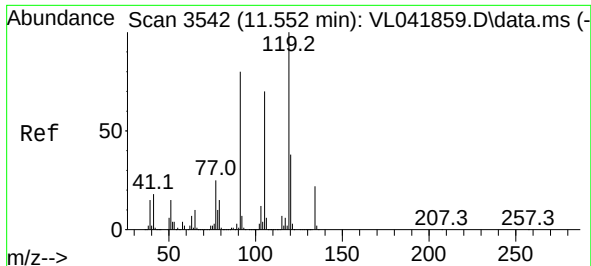
Tgt Ion:120 Resp: 1121

Ion Ratio Lower Upper

120 100

91 0.0 376.9 565.3#





#65

tert-Butylbenzene

Concen: 0.148 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

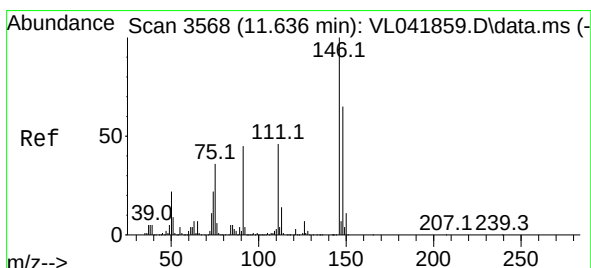
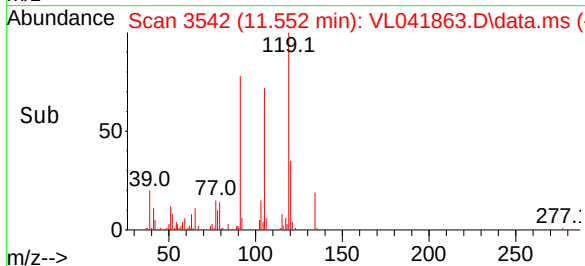
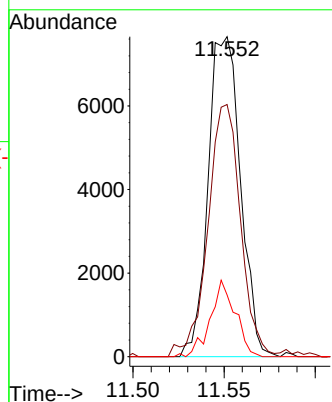
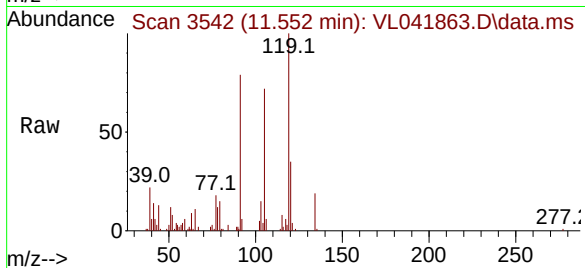
Tgt Ion:119 Resp: 9464

Ion Ratio Lower Upper

119 100

91 80.5 64.6 97.0

134 18.4 16.9 25.3



#66

Benzyl Chloride

Concen: 0.205 ppbv

RT: 11.633 min Scan# 3567

Delta R.T. -0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

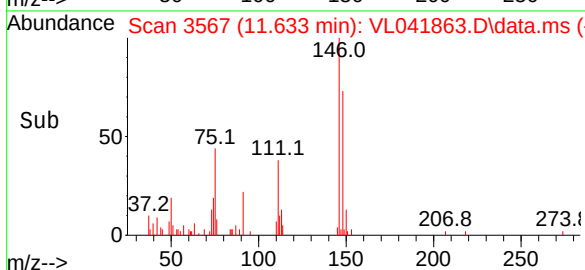
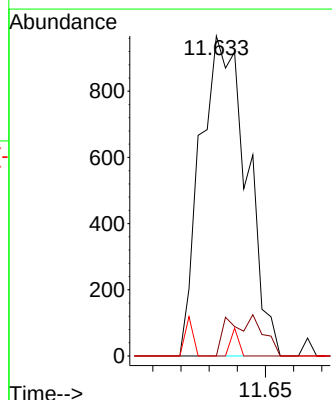
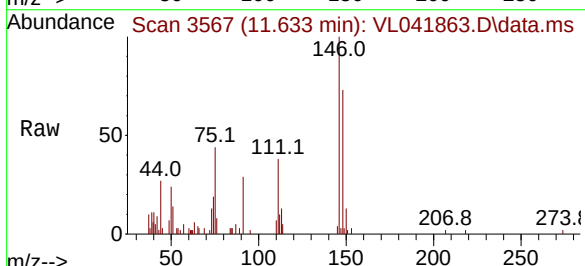
Tgt Ion: 91 Resp: 1103

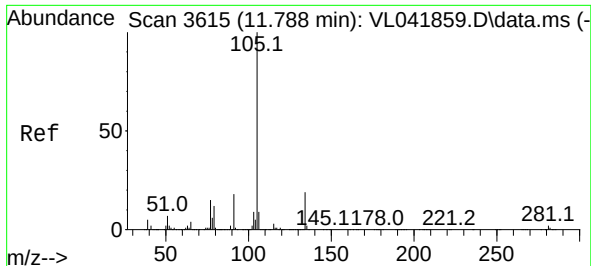
Ion Ratio Lower Upper

91 100

126 9.3 13.9 20.9#

128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.082 ppbv

RT: 11.555 min Scan# 3186

Delta R.T. -0.233 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

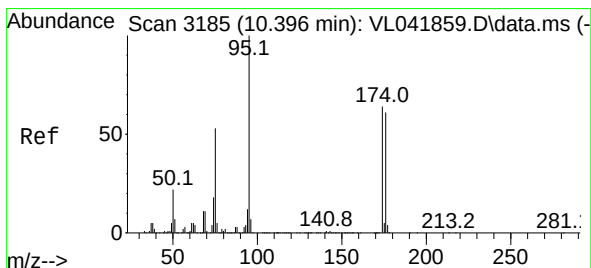
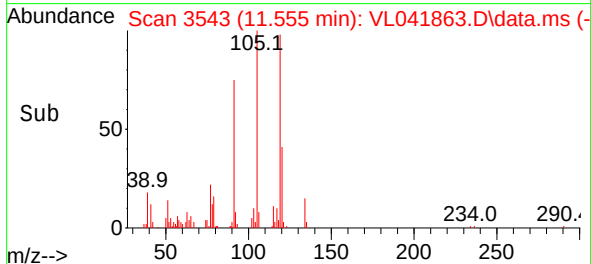
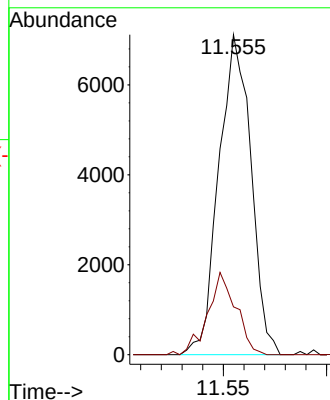
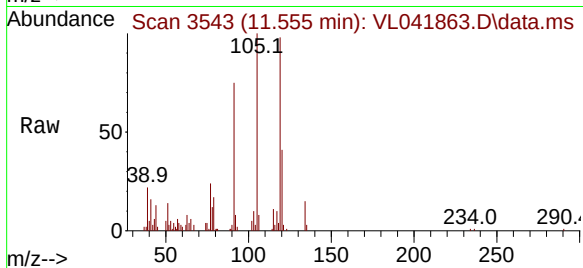
VSTDIC0.1

Tgt Ion:105 Resp: 7683

Ion Ratio Lower Upper

105 100

134 22.7 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.304 ppbv

RT: 10.399 min Scan# 3186

Delta R.T. 0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

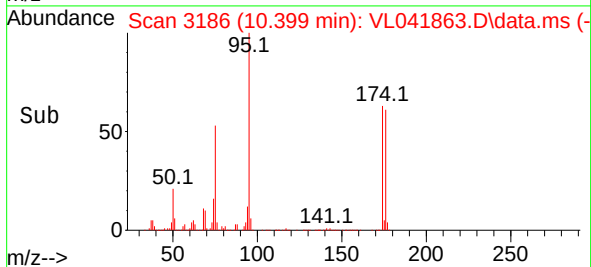
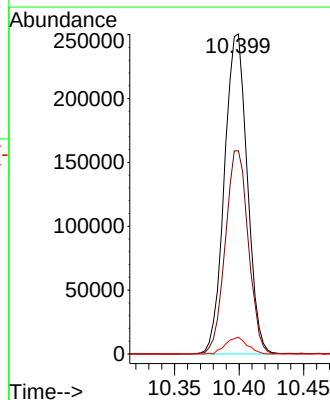
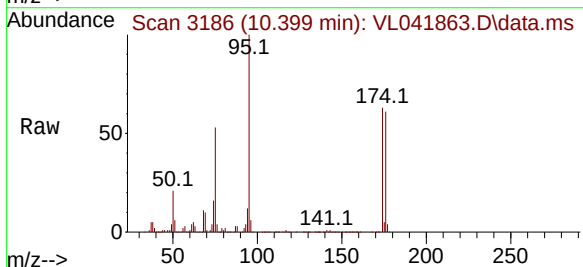
Tgt Ion: 95 Resp: 308324

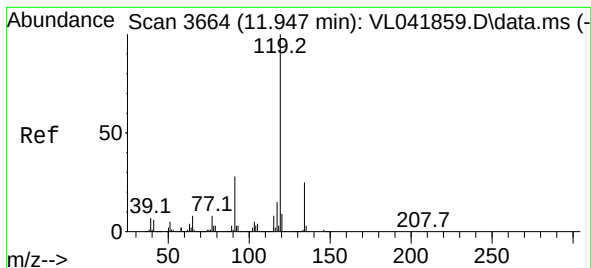
Ion Ratio Lower Upper

95 100

174 64.1 51.1 76.7

175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.135 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.004 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

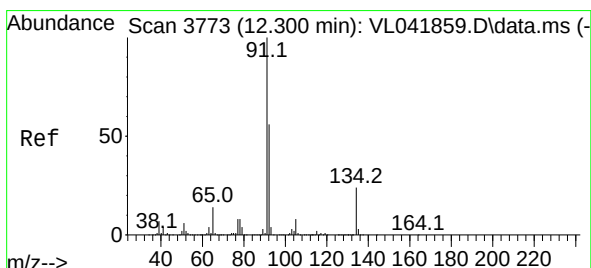
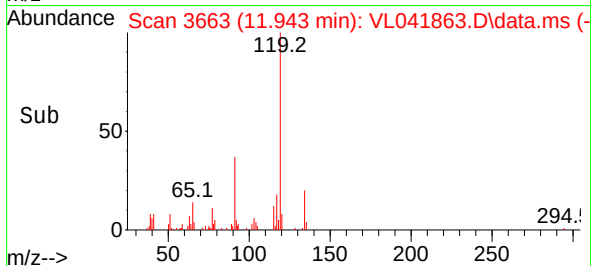
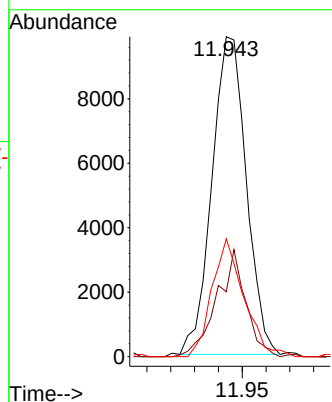
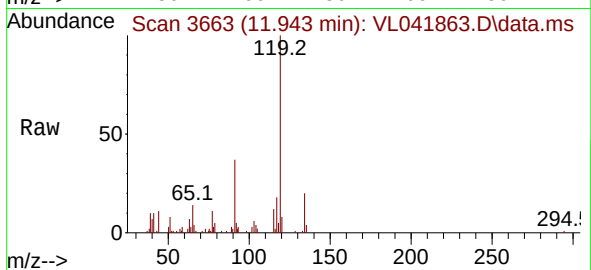
Tgt Ion:119 Resp: 9894

Ion Ratio Lower Upper

119 100

134 28.7 20.3 30.5

91 35.5 22.6 34.0#



#70

n-Butylbenzene

Concen: 0.146 ppbv

RT: 12.303 min Scan# 3774

Delta R.T. 0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

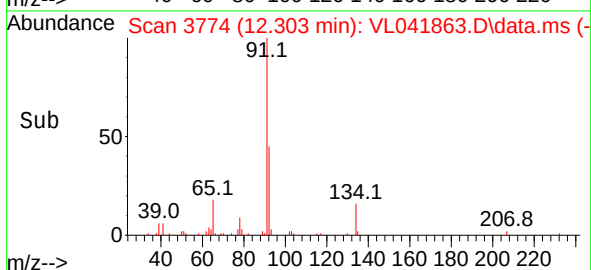
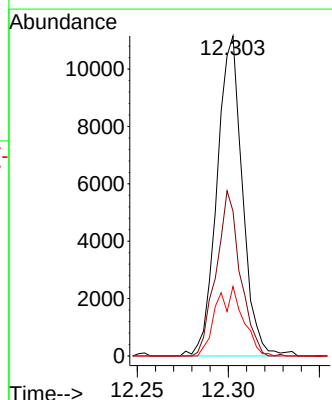
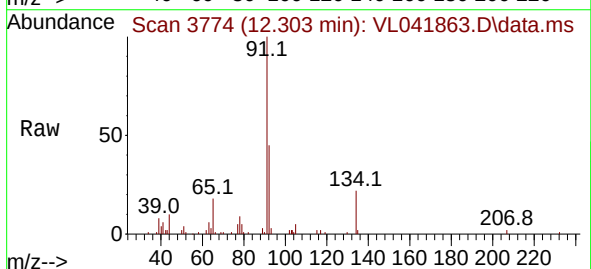
Tgt Ion: 91 Resp: 10777

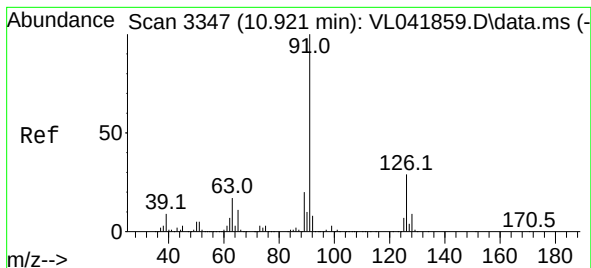
Ion Ratio Lower Upper

91 100

92 49.2 43.8 65.8

134 23.3 19.3 28.9

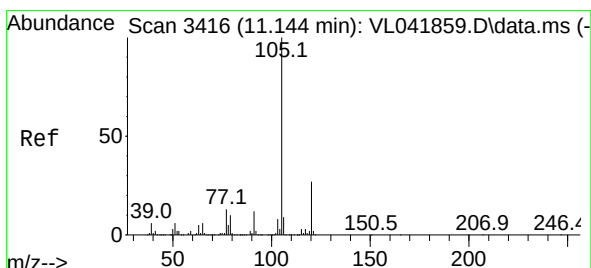
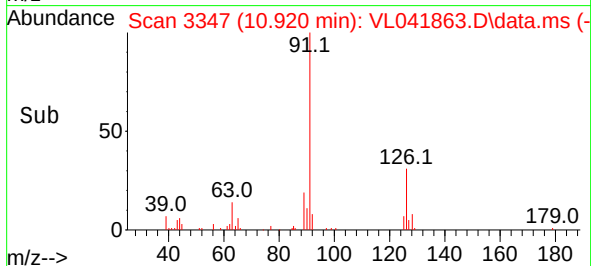
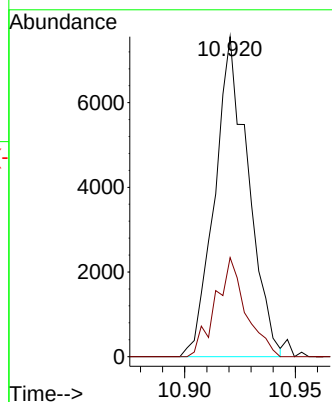
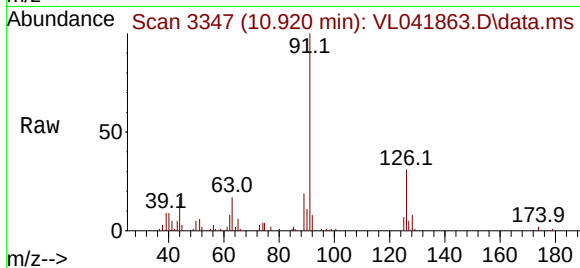




#71
2-Chlorotoluene
Concen: 0.154 ppbv
RT: 10.920 min Scan# 3417
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

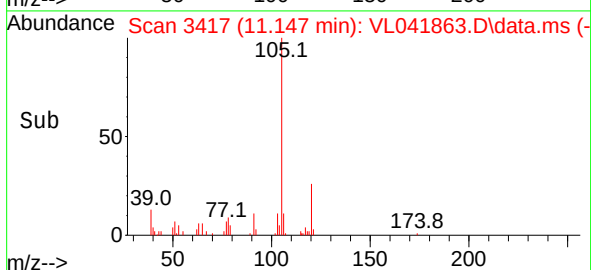
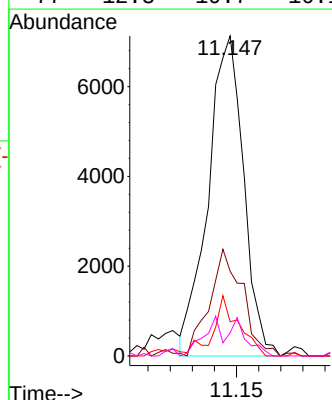
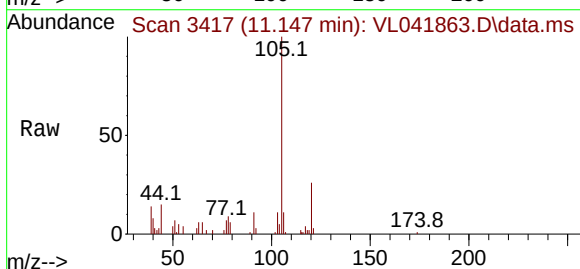
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

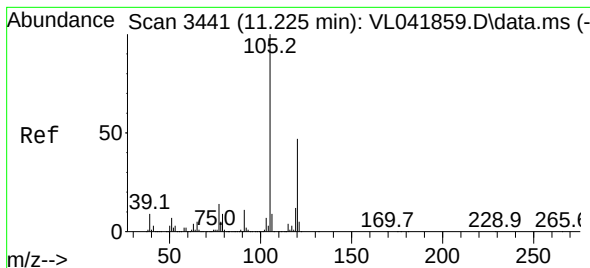
Tgt Ion: 91 Resp: 7959
Ion Ratio Lower Upper
91 100
126 28.0 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.145 ppbv
RT: 11.147 min Scan# 3417
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion: 105 Resp: 7954
Ion Ratio Lower Upper
105 100
120 33.2 23.5 35.3
91 15.0 9.8 14.8#
77 12.3 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.156 ppbv

RT: 11.225 min Scan# 3441

Delta R.T. -0.000 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_1

ClientSampleId :

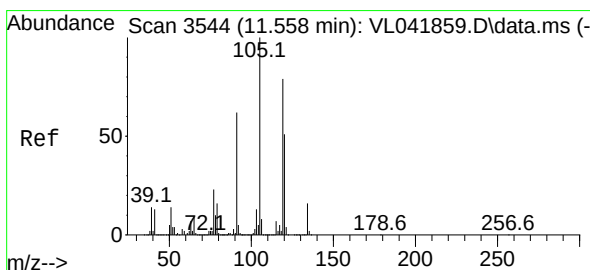
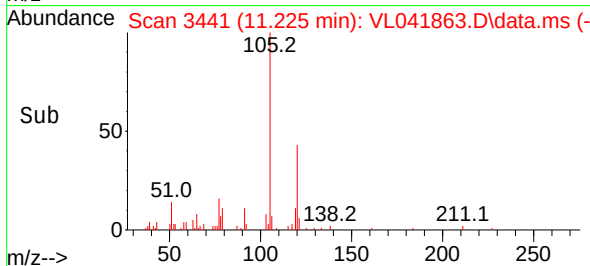
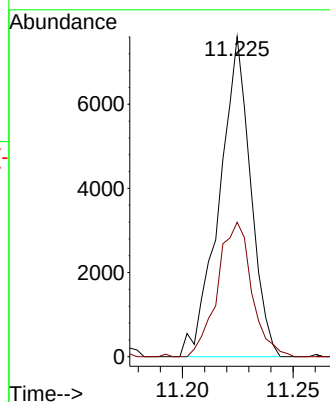
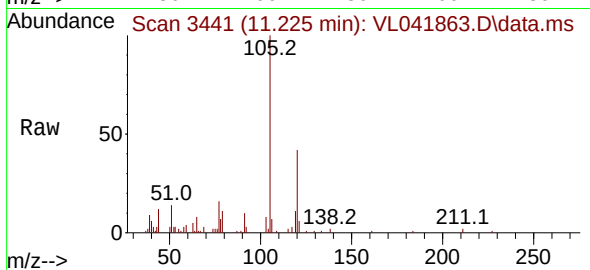
VSTDIC0.1

Tgt Ion:105 Resp: 7494

Ion Ratio Lower Upper

105 100

120 42.0 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 0.138 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. -0.003 min

Lab File: VL041863.D

Acq: 09 Jan 2025 13:24

Tgt Ion:105 Resp: 7683

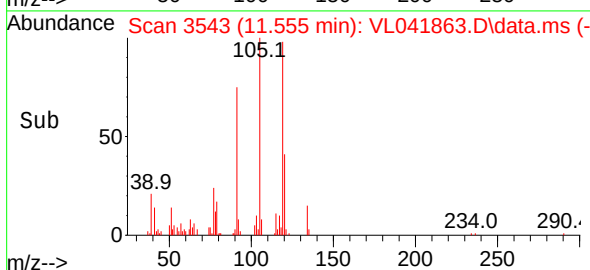
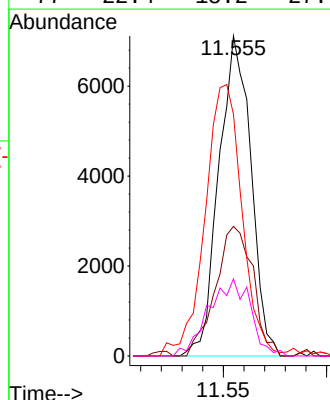
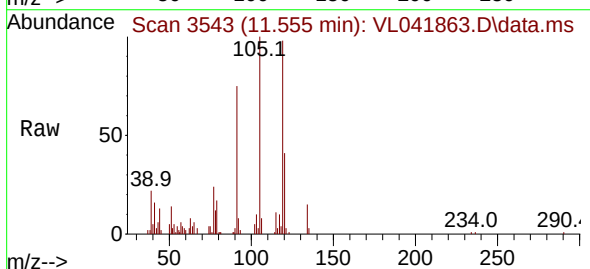
Ion Ratio Lower Upper

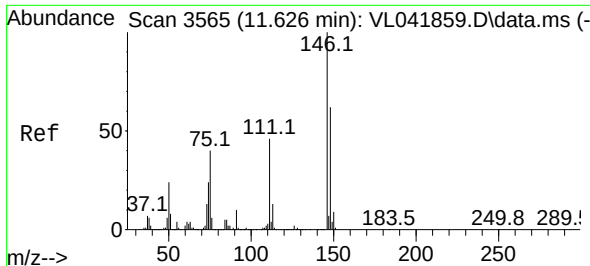
105 100

120 40.5 41.1 61.7#

91 74.4 50.0 75.0

77 22.4 18.2 27.4

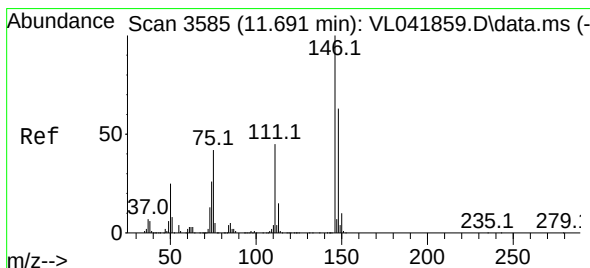
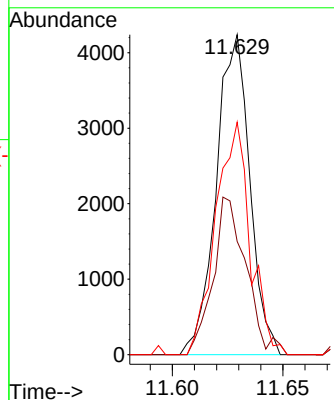
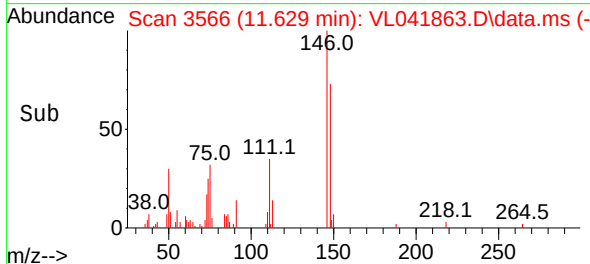
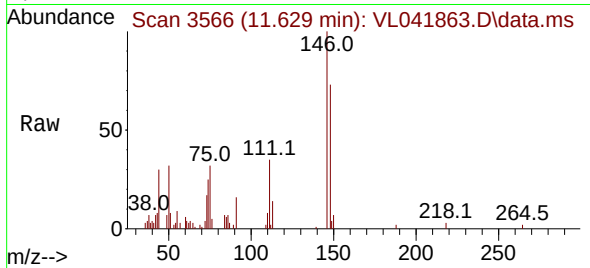




#75
1,3-Dichlorobenzene
Concen: 0.120 ppbv
RT: 11.629 min Scan# 3566
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

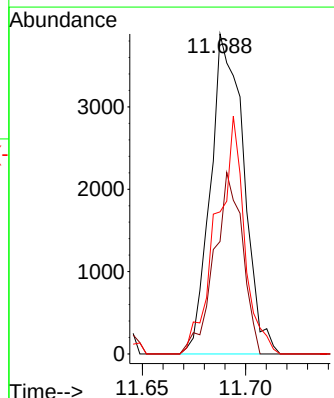
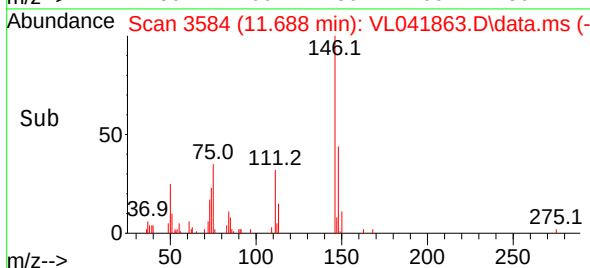
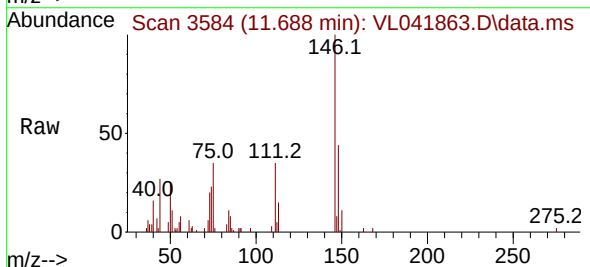
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

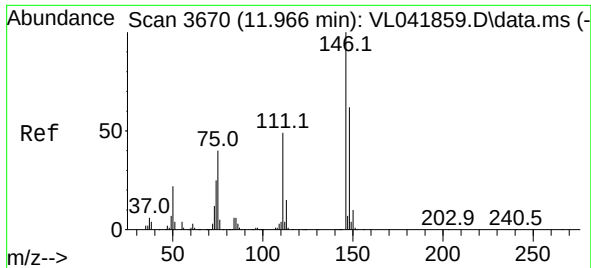
Tgt Ion:146 Resp: 4471
Ion Ratio Lower Upper
146 100
111 48.4 23.2 69.5
148 74.5 31.6 94.7



#76
1,4-Dichlorobenzene
Concen: 0.121 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. -0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:146 Resp: 4330
Ion Ratio Lower Upper
146 100
111 48.5 22.1 66.1
148 62.6 31.2 93.6

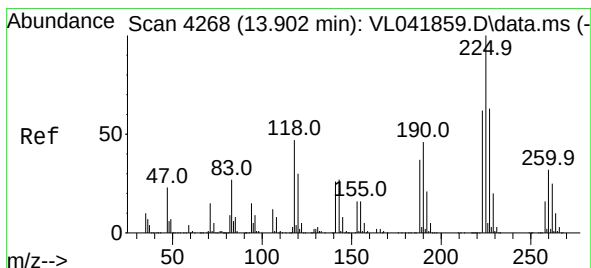
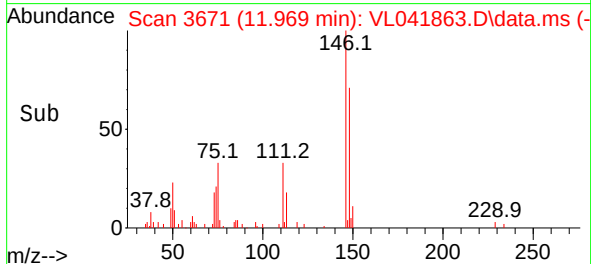
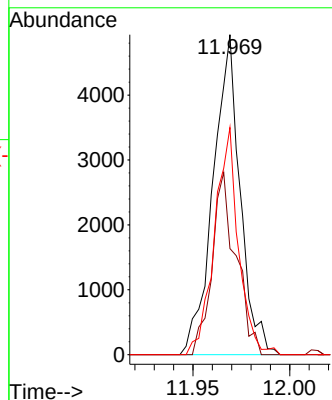
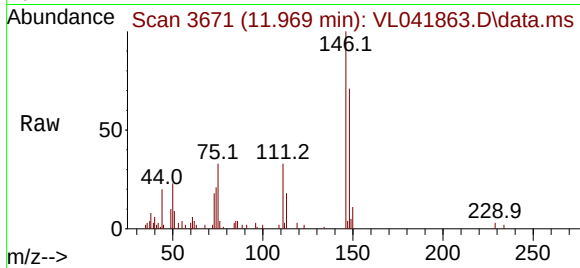




#77
1,2-Dichlorobenzene
Concen: 0.124 ppbv
RT: 11.969 min Scan# 3671
Delta R.T. 0.003 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

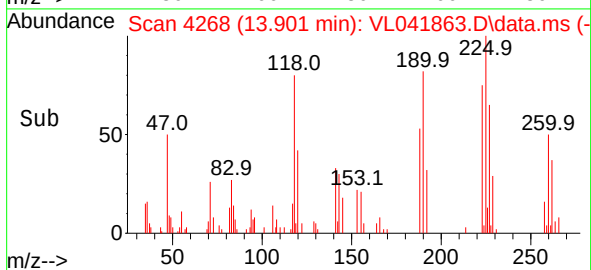
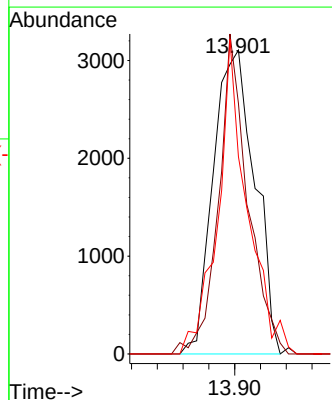
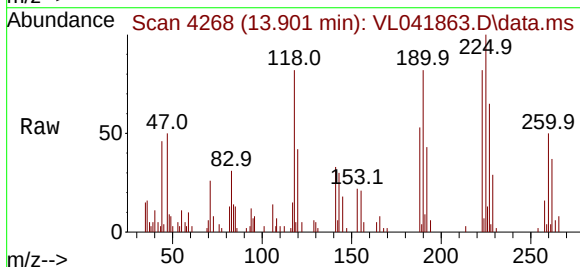
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

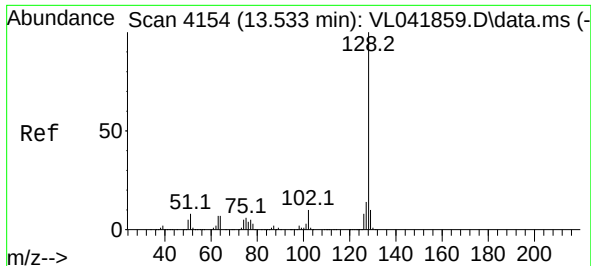
Tgt Ion:146 Resp: 4788
Ion Ratio Lower Upper
146 100
111 50.4 24.1 72.3
148 63.0 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 0.126 ppbv
RT: 13.901 min Scan# 4268
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:225 Resp: 3472
Ion Ratio Lower Upper
225 100
223 74.3 50.6 75.8
227 73.3 50.9 76.3

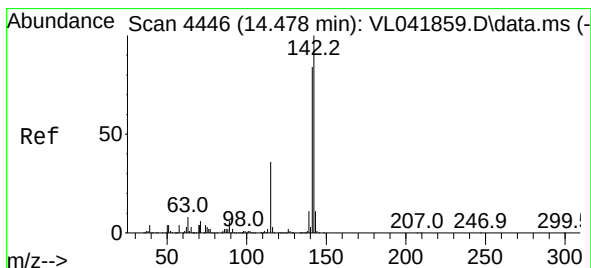
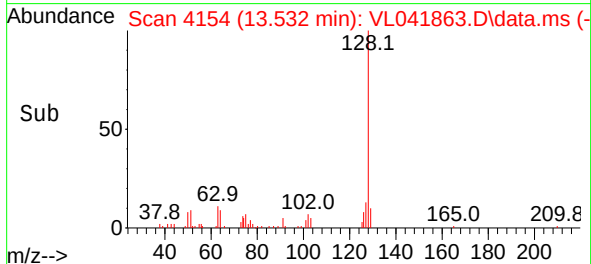
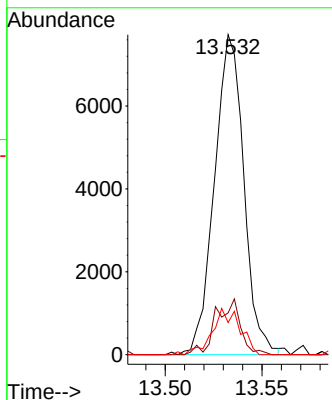
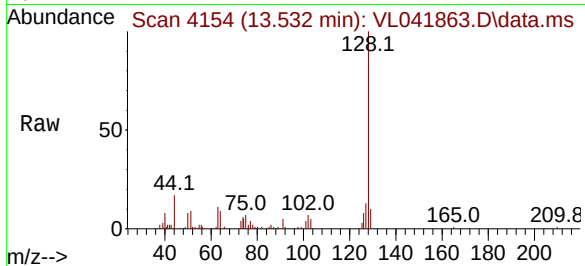




#79
Naphthalene
Concen: 0.199 ppbv
RT: 13.532 min Scan# 4154
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

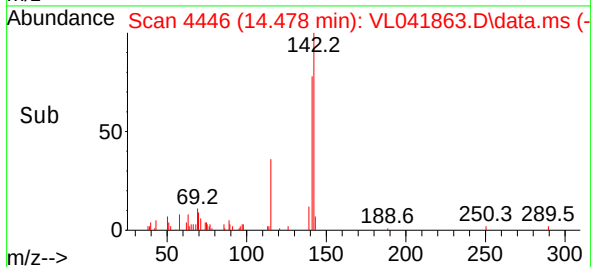
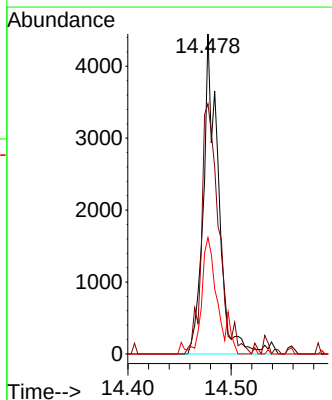
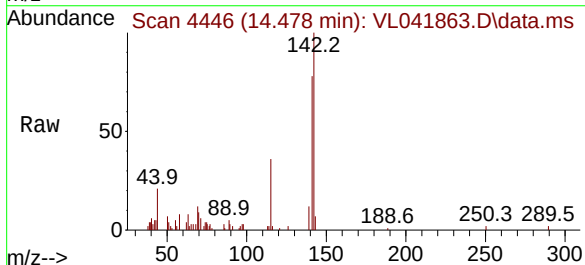
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

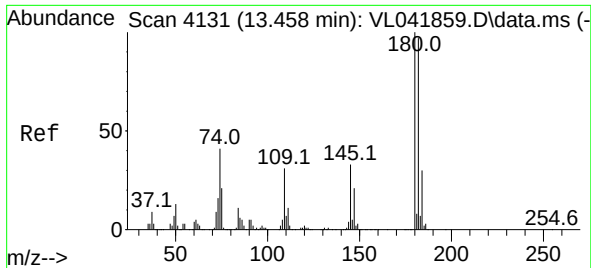
Tgt Ion:128 Resp: 8145
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.1 8.2 12.4



#80
Naphthalene,2-methyl-
Concen: 0.299 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. -0.000 min
Lab File: VL041863.D
Acq: 09 Jan 2025 13:24

Tgt Ion:142 Resp: 4530
Ion Ratio Lower Upper
142 100
141 88.3 68.2 102.4
115 38.6 29.4 44.2





#81

1,2,4-Trichlorobenzene

Concen: 0.200 ppbv

RT: 13.455 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL041863.D

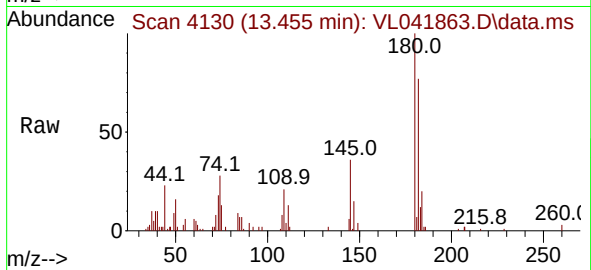
Acq: 09 Jan 2025 13:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



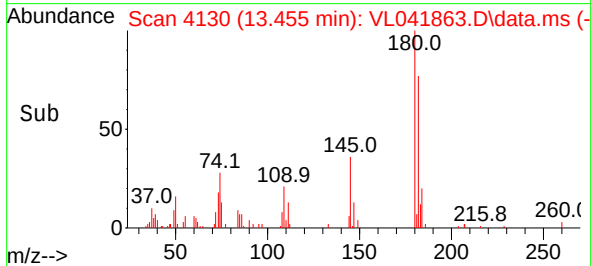
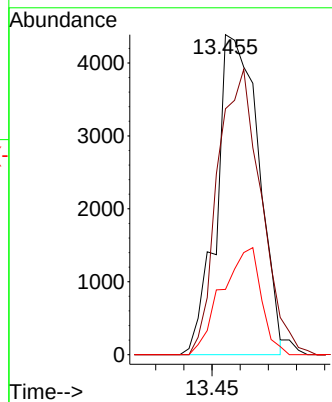
Tgt Ion:180 Resp: 4537

Ion Ratio Lower Upper

180 100

182 91.9 75.8 113.8

184 31.5 24.1 36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041864.D
 Acq On : 09 Jan 2025 13:54
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Jan 10 00:17:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	140652	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.982	114	417764	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	382336	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	308087	9.408	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.506	85	923	0.040	ppbv	98
3) Chlorodifluoromethane	1.480	51	1407	0.064	ppbv	96
4) Chloromethane	1.538	50	641	0.068	ppbv #	65
5) Vinyl Chloride	1.590	62	375	0.039	ppbv #	84
6) Bromomethane	1.671	94	226	0.055	ppbv #	50
7) Chloroethane	1.710	64	225	0.061	ppbv #	69
8) Dichlorotetrafluoroethane	1.561	85	824	0.041	ppbv	98
9) Propene	1.434	41	408	0.053	ppbv	99
10) Heptane	5.008	43	478	0.025	ppbv #	1
11) Trichlorofluoromethane	1.884	101	1047	0.045	ppbv #	75
12) 1,1,2-Trichlorotrifluo...	2.147	101	806	0.046	ppbv #	75
13) Ethanol	1.897	45	1707	1.693	ppbv #	29
14) Bromoethene	1.787	108	613	0.107	ppbv #	68
15) Acetone	1.846	43	3978	0.154	ppbv	97
16) 1,3-Butadiene	1.612	39	1199	0.118	ppbv #	79
17) tert-Butyl alcohol	2.056	59	884	0.039	ppbv #	1
18) 1,1-Dichloroethene	2.043	96	475	0.065	ppbv #	35
19) Isopropyl Alcohol	1.897	45	1707	0.140	ppbv #	67
20) Methylene Chloride	2.069	84	1482	0.200	ppbv #	70
21) Allyl Chloride	2.104	41	1019	0.076	ppbv #	16
22) trans-1,2-Dichloroethene	2.347	96	321	0.039	ppbv #	84
23) Vinyl Acetate	2.470	43	1019	0.127	ppbv #	1
24) 1,1-Dichloroethane	2.422	63	759	0.042	ppbv #	91
25) Ethyl Acetate	2.852	43	1586	0.037	ppbv #	70
26) Hexane	2.842	57	824	0.055	ppbv #	1
27) Carbon Disulfide	2.163	76	909	0.064	ppbv #	1
28) Methyl tert-Butyl Ether	2.460	73	348	0.031	ppbv #	1
29) Chloroform	2.393	83	40	0.001	ppbv	90
30) Cyclohexane	3.878	84	659	0.058	ppbv #	49
31) cis-1,2-Dichloroethene	2.739	61	903	0.058	ppbv #	73
32) 1,1,1-Trichloroethane	3.389	97	610	0.024	ppbv #	24
34) 2-Butanone	2.574	43	1708	0.052	ppbv #	85
35) Carbon Tetrachloride	3.791	117	388	0.012	ppbv #	16
36) Benzene	3.671	78	1433	0.036	ppbv #	93
37) 1,2-Dichloroethane	3.234	62	850	0.032	ppbv #	85
38) Trichloroethene	4.580	130	268	0.017	ppbv #	71
39) 1,2-Dichloropropane	3.978	63	105561	6.838	ppbv #	24
40) 1,4-Dioxane	4.648	88	136	0.023	ppbv #	17
41) Tetrahydrofuran	3.075	42	62	0.004	ppbv #	37
42) Bromodichloromethane	4.519	83	209	0.007	ppbv #	26
43) Methyl Methacrylate	4.914	69	280	0.022	ppbv #	1
44) 2,2,4-Trimethylpentane	4.678	57	776	0.012	ppbv #	43
45) t-1,3-Dichloropropene	6.451	75	333	0.027	ppbv #	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041864.D
 Acq On : 09 Jan 2025 13:54
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Jan 10 00:17:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

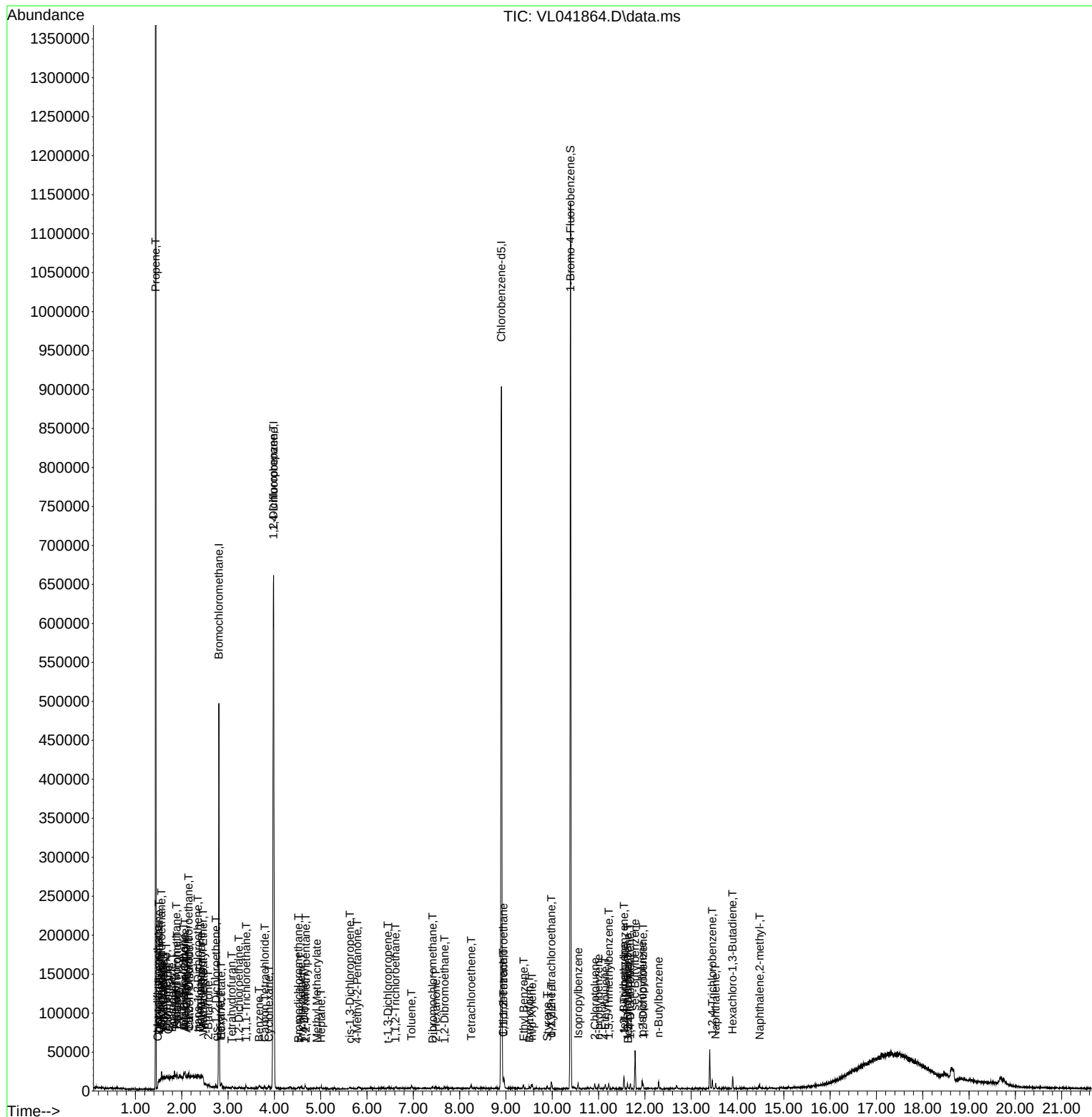
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	484	0.030	ppbv #	30
47) 1,1,2-Trichloroethane	6.616	97	315	0.019	ppbv #	37
48) Dibromochloromethane	7.416	129	316	0.015	ppbv #	6
49) Bromoform	9.503	173	486	0.029	ppbv	88
50) 4-Methyl-2-Pentanone	5.791	43	186	0.005	ppbv #	38
51) 2-Hexanone	7.487	43	1546	0.054	ppbv #	96
52) Tetrachloroethene	8.251	164	686	0.058	ppbv #	50
53) Toluene	6.959	91	1812	0.051	ppbv #	83
54) 1,2-Dibromoethane	7.675	107	673	0.034	ppbv #	49
56) 1,1,1,2-Tetrachloroethane	8.943	131	206	0.009	ppbv #	8
57) Chlorobenzene	8.940	112	304	0.008	ppbv #	69
58) Ethyl Benzene	9.384	91	858	0.016	ppbv	90
59) m/p-Xylene	9.562	91	624	0.014	ppbv #	100
60) o-Xylene	9.982	91	637	0.014	ppbv #	33
61) Styrene	9.892	104	813	0.047	ppbv #	62
62) Isopropylbenzene	10.559	105	3277	0.047	ppbv #	88
63) 1,1,2,2-Tetrachloroethane	9.979	83	1052	0.027	ppbv #	79
64) n-propylbenzene	11.002	120	429	0.024	ppbv #	1
65) tert-Butylbenzene	11.546	119	3181	0.050	ppbv	91
66) Benzyl Chloride	11.636	91	84	0.016	ppbv #	66
67) sec-Butylbenzene	11.785	105	4095	0.044	ppbv #	85
69) p-Isopropyltoluene	11.941	119	3385	0.047	ppbv	100
70) n-Butylbenzene	12.297	91	3278	0.045	ppbv	93
71) 2-Chlorotoluene	10.921	91	2364	0.046	ppbv	95
72) 4-Ethyltoluene	11.144	105	2091	0.039	ppbv #	82
73) 1,3,5-Trimethylbenzene	11.219	105	2195	0.046	ppbv #	86
74) 1,2,4-Trimethylbenzene	11.552	105	2560	0.047	ppbv #	81
75) 1,3-Dichlorobenzene	11.627	146	1521	0.041	ppbv	95
76) 1,4-Dichlorobenzene	11.685	146	1603	0.045	ppbv	86
77) 1,2-Dichlorobenzene	11.960	146	1421	0.037	ppbv	91
78) Hexachloro-1,3-Butadiene	13.892	225	1347	0.050	ppbv #	82
79) Naphthalene	13.527	128	3217	0.080	ppbv #	93
80) Naphthalene,2-methyl-	14.478	142	1700	0.114	ppbv	92
81) 1,2,4-Trichlorobenzene	13.455	180	1653	0.074	ppbv	96

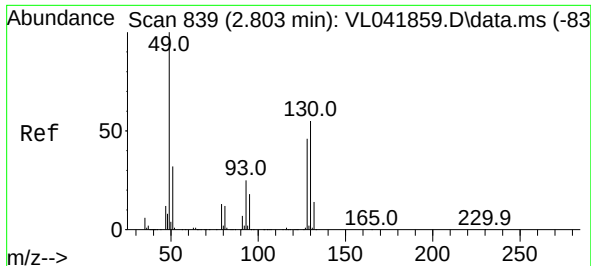
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL041864.D  
Acq On    : 09 Jan 2025   13:54  
Operator  : SY/MD  
Sample    : VSTDICC0.03  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jan 10 00:17:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

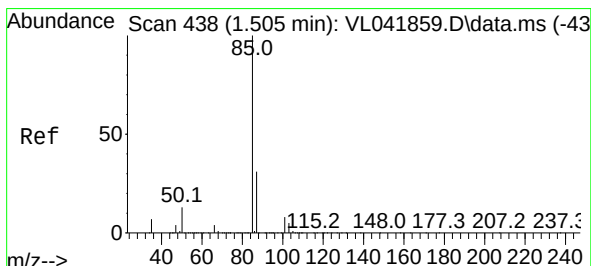
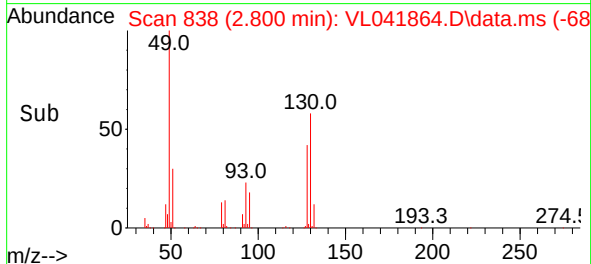
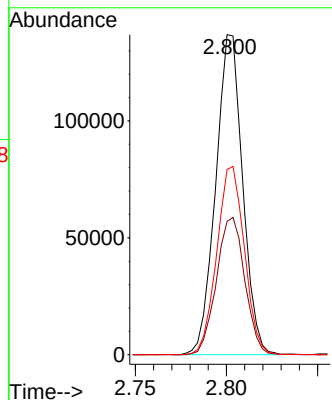
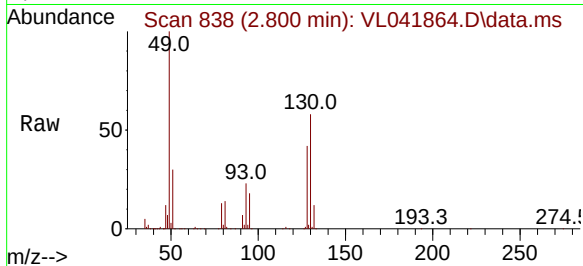




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 839
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

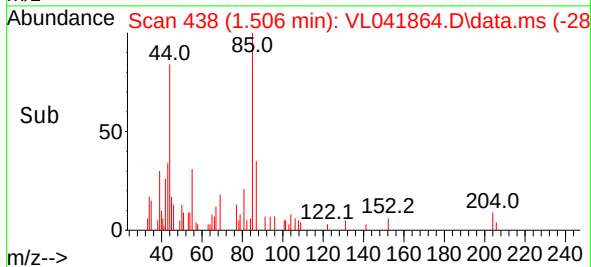
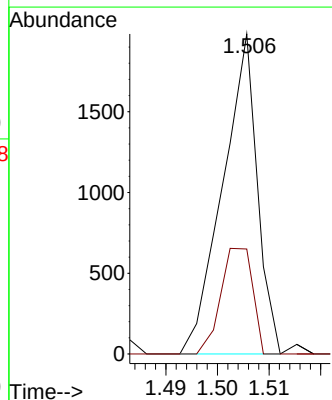
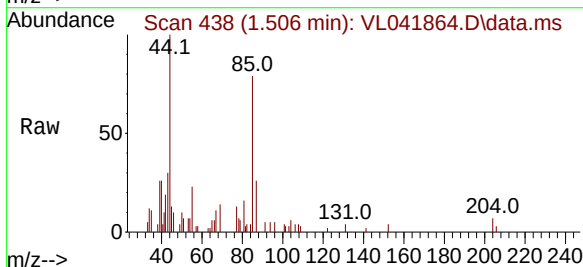
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

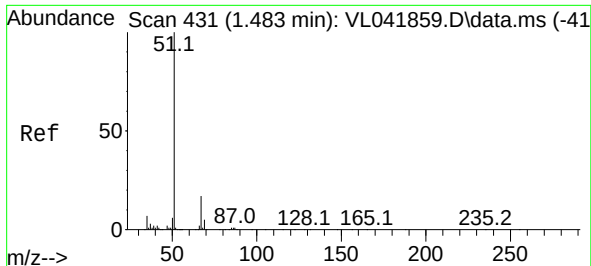
Tgt Ion: 49 Resp: 140652
Ion Ratio Lower Upper
49 100
128 45.0 23.2 69.5
130 60.3 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.040 ppbv
RT: 1.506 min Scan# 438
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 85 Resp: 923
Ion Ratio Lower Upper
85 100
87 32.8 25.2 37.8





#3

Chlorodifluoromethane

Concen: 0.064 ppbv

RT: 1.480 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

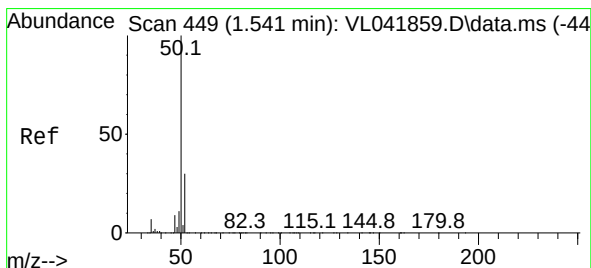
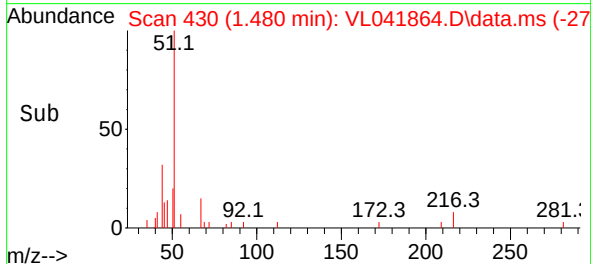
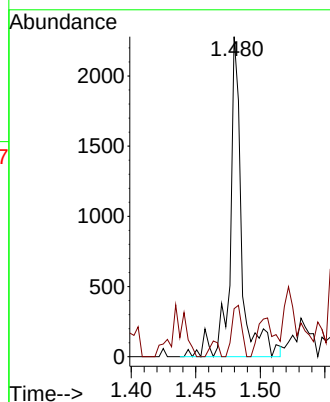
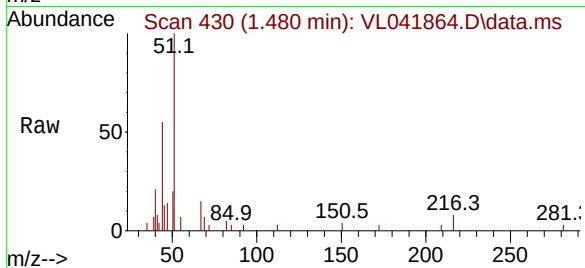
VSTDICC0.03

Tgt Ion: 51 Resp: 1407

Ion Ratio Lower Upper

51 100

67 19.0 13.8 20.8



#4

Chloromethane

Concen: 0.068 ppbv

RT: 1.538 min Scan# 448

Delta R.T. -0.003 min

Lab File: VL041864.D

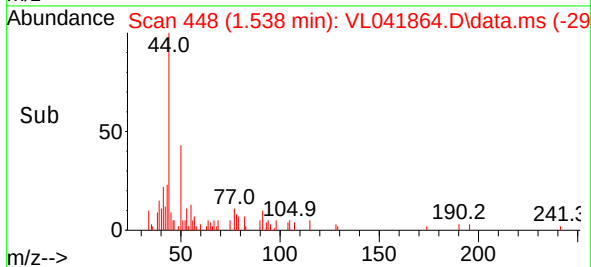
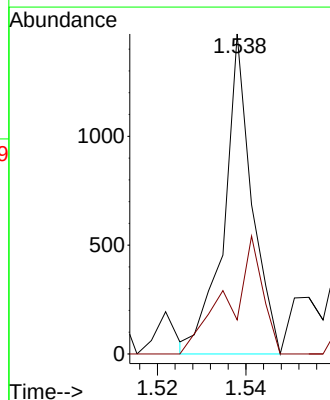
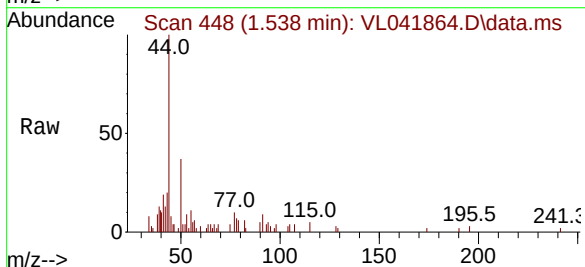
Acq: 09 Jan 2025 13:54

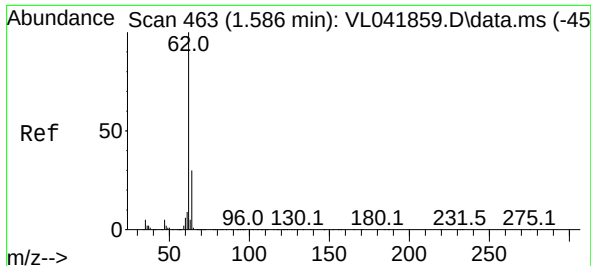
Tgt Ion: 50 Resp: 641

Ion Ratio Lower Upper

50 100

52 11.1 23.9 35.9#

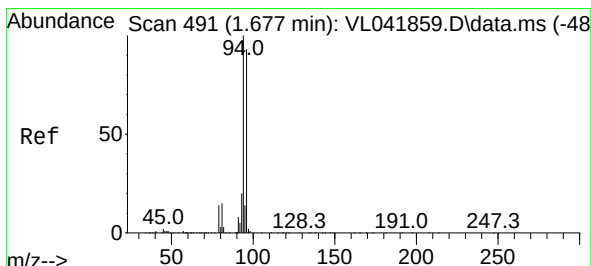
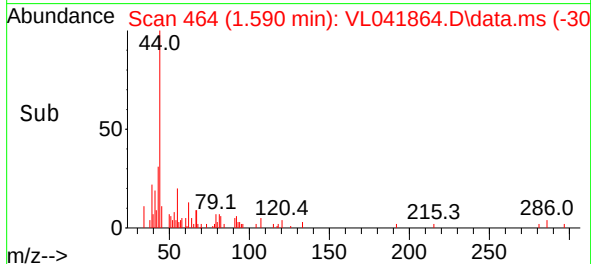
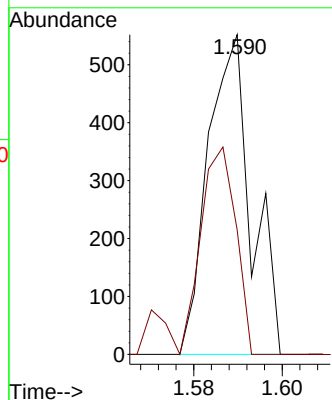
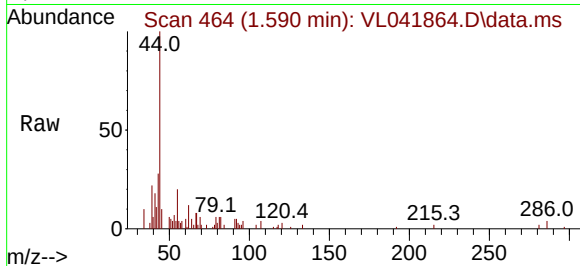




#5
 Vinyl Chloride
 Concen: 0.039 ppbv
 RT: 1.590 min Scan# 4
 Delta R.T. 0.004 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

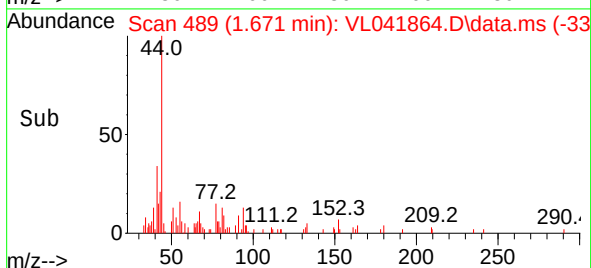
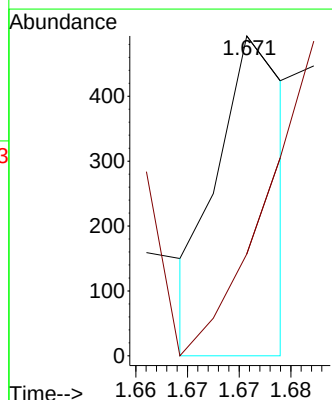
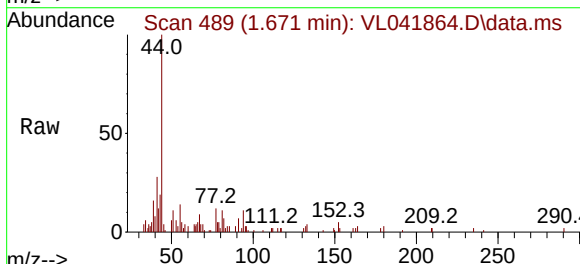
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

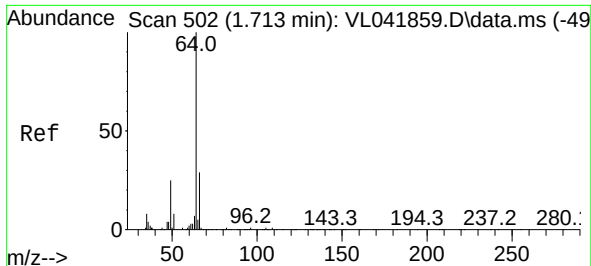
Tgt Ion: 62 Resp: 375
 Ion Ratio Lower Upper
 62 100
 64 38.9 24.1 36.1#



#6
 Bromomethane
 Concen: 0.055 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.006 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 94 Resp: 226
 Ion Ratio Lower Upper
 94 100
 96 45.8 74.8 112.2#

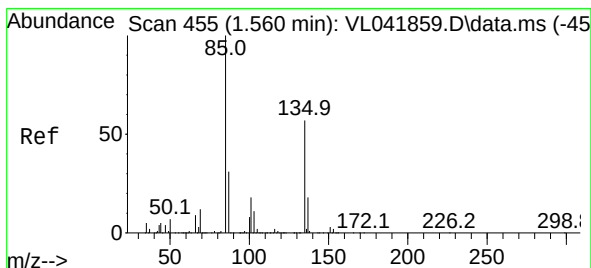
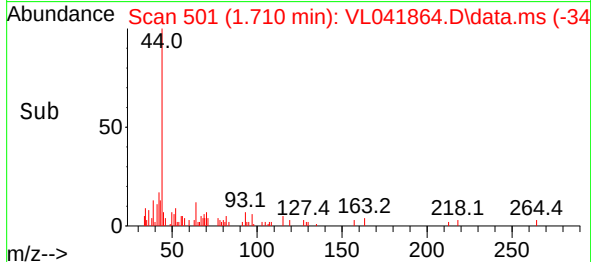
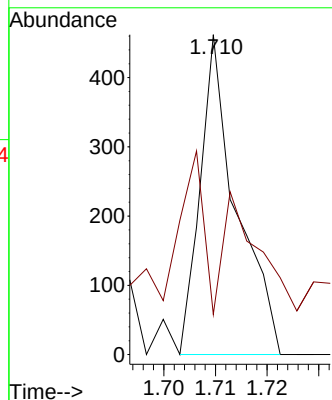
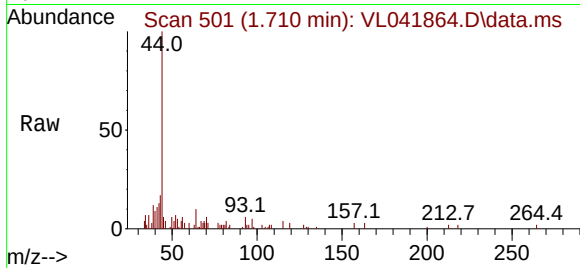




#7
Chloroethane
Concen: 0.061 ppbv
RT: 1.710 min Scan# 502
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

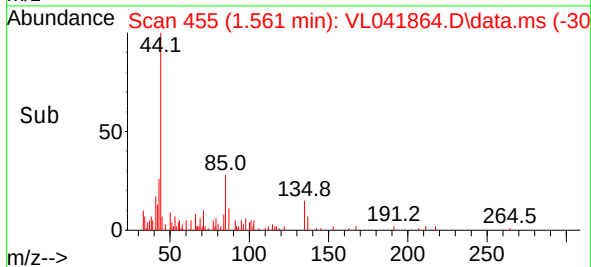
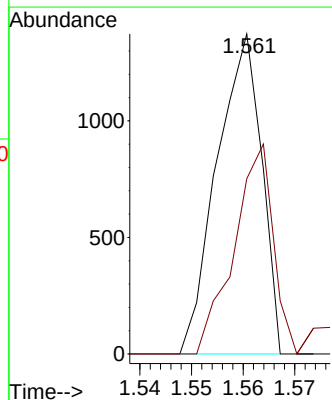
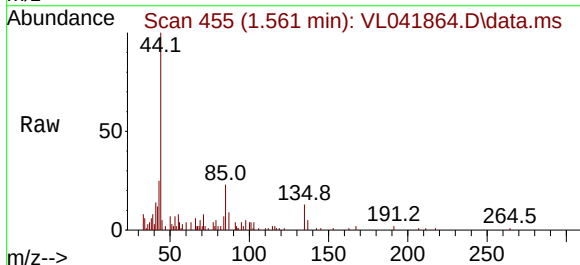
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

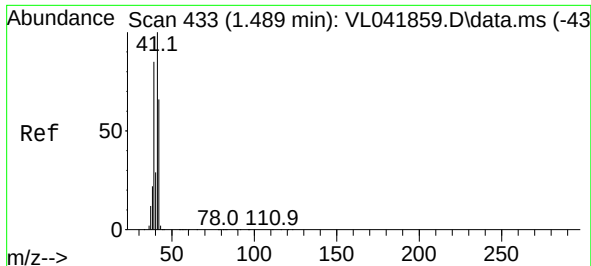
Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 12.6 23.0 34.6#



#8
Dichlorotetrafluoroethane
Concen: 0.041 ppbv
RT: 1.561 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 85 Resp: 824
Ion Ratio Lower Upper
85 100
135 66.9 52.2 78.4





#9

Propene

Concen: 0.053 ppbv

RT: 1.434 min Scan# 41

Delta R.T. -0.055 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

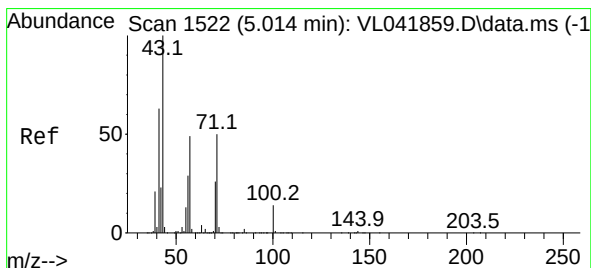
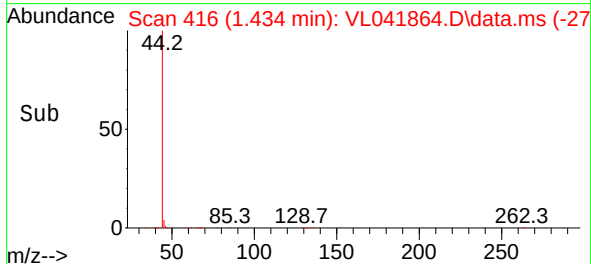
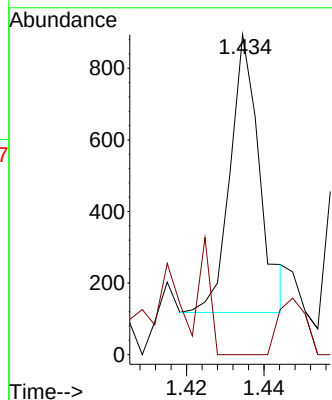
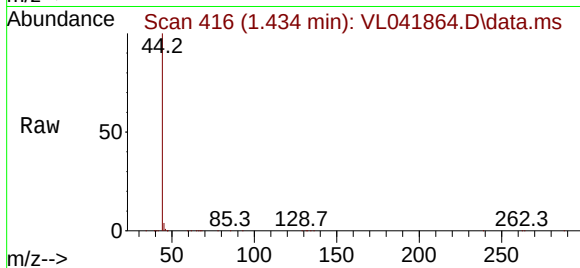
VSTDIC0.03

Tgt Ion: 41 Resp: 408

Ion Ratio Lower Upper

41 100

42 65.7 53.0 79.6



#10

Heptane

Concen: 0.025 ppbv

RT: 5.008 min Scan# 1520

Delta R.T. -0.006 min

Lab File: VL041864.D

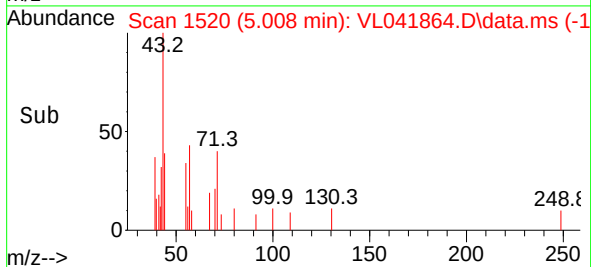
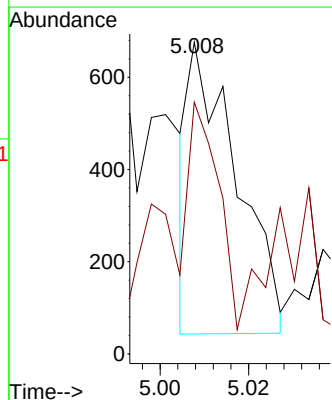
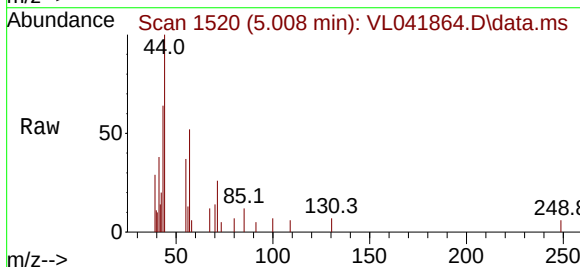
Acq: 09 Jan 2025 13:54

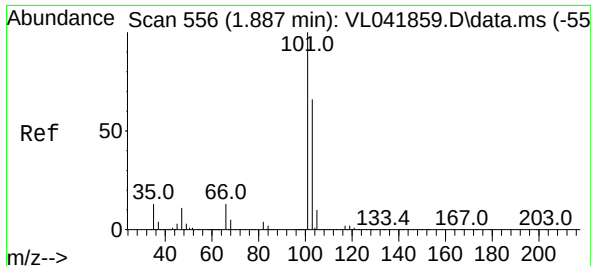
Tgt Ion: 43 Resp: 478

Ion Ratio Lower Upper

43 100

57 168.2 40.2 60.2#





#11

Trichlorofluoromethane

Concen: 0.045 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

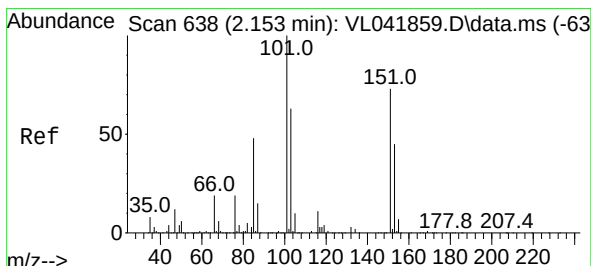
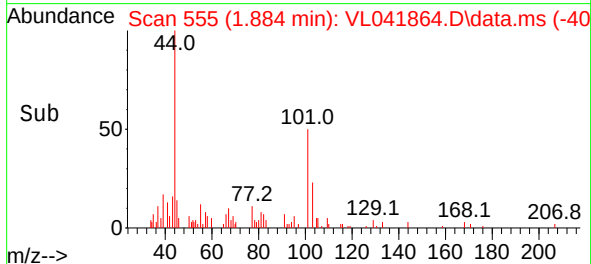
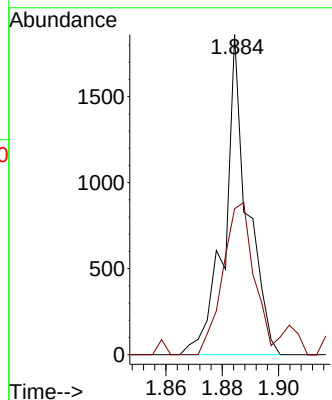
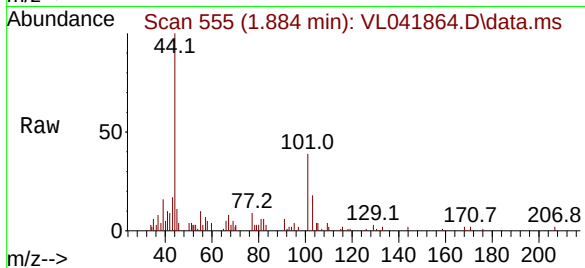
VSTDIC0.03

Tgt Ion:101 Resp: 1047

Ion Ratio Lower Upper

101 100

103 45.6 52.6 78.8#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.046 ppbv

RT: 2.147 min Scan# 636

Delta R.T. -0.006 min

Lab File: VL041864.D

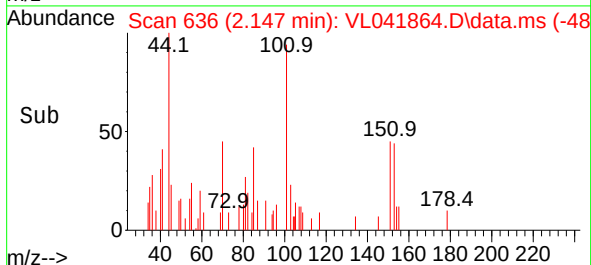
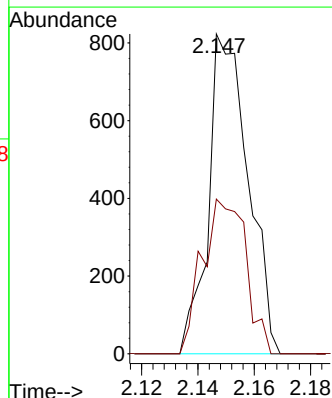
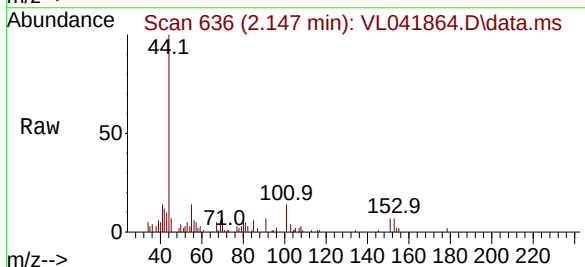
Acq: 09 Jan 2025 13:54

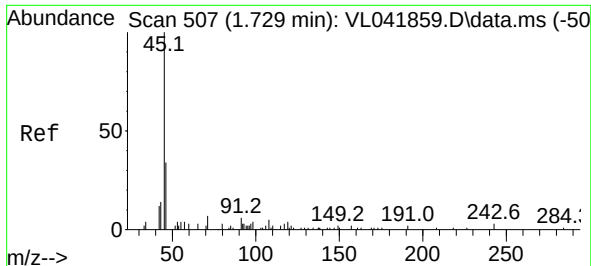
Tgt Ion:101 Resp: 806

Ion Ratio Lower Upper

101 100

151 53.1 59.4 89.0#





#13

Ethanol

Concen: 1.693 ppbv

RT: 1.897 min Scan# 51

Delta R.T. 0.169 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

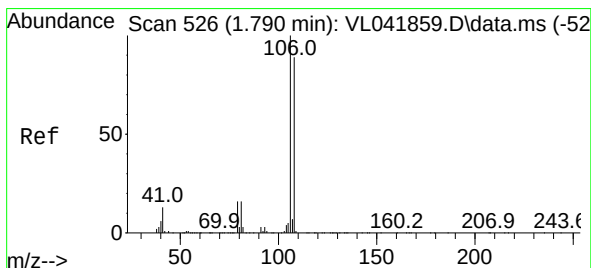
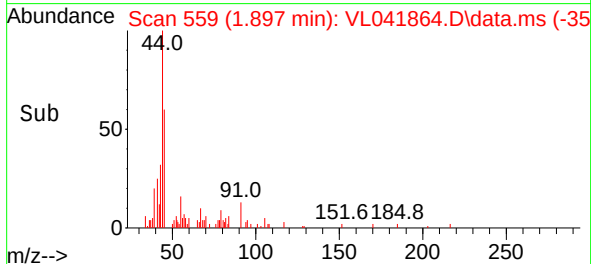
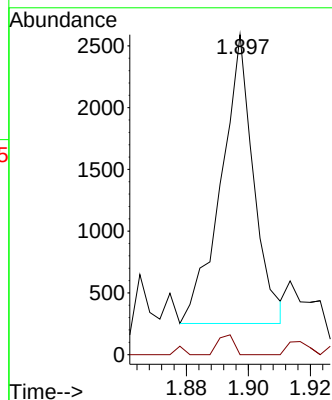
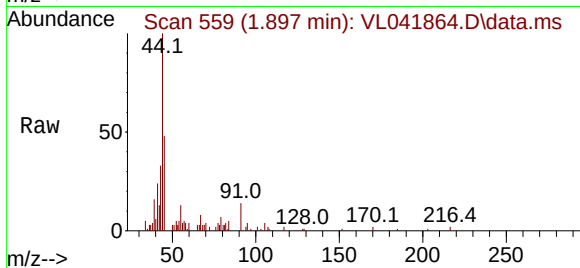
VSTDICC0.03

Tgt Ion: 45 Resp: 1707

Ion Ratio Lower Upper

45 100

46 0.0 19.0 76.0#



#14

Bromoethene

Concen: 0.107 ppbv

RT: 1.787 min Scan# 525

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

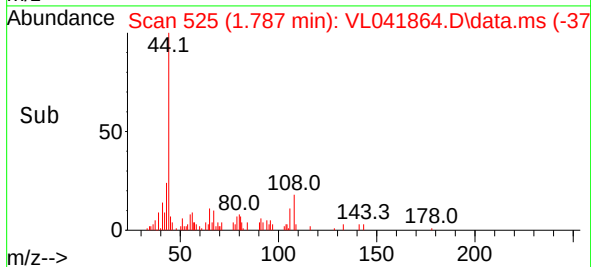
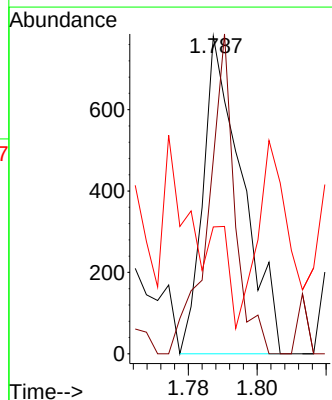
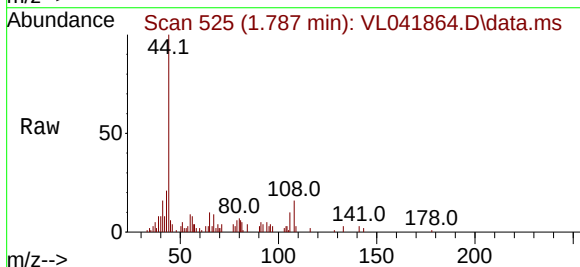
Tgt Ion:108 Resp: 613

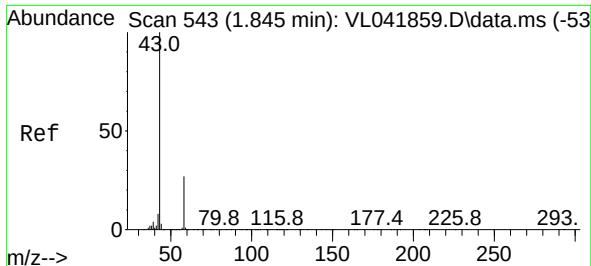
Ion Ratio Lower Upper

108 100

106 77.0 86.9 130.3#

79 0.0 15.6 23.4#





#15

Acetone

Concen: 0.154 ppbv

RT: 1.846 min Scan# 543

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

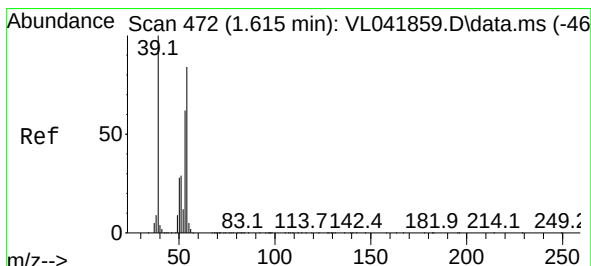
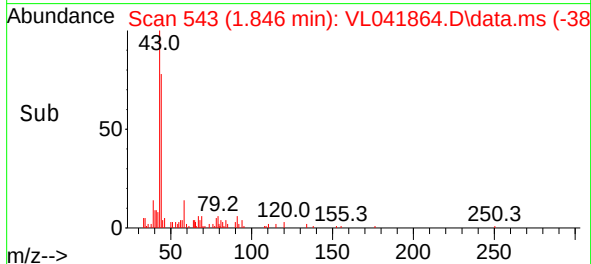
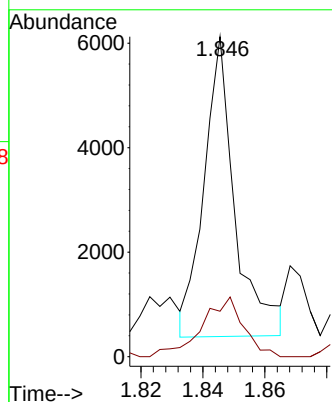
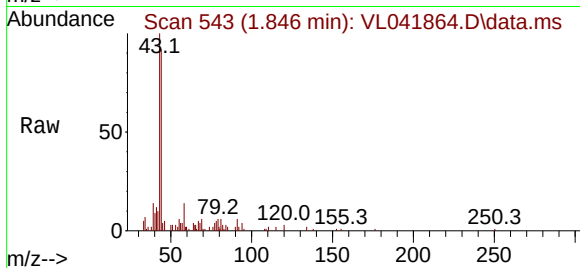
VSTDICC0.03

Tgt Ion: 43 Resp: 3978

Ion Ratio Lower Upper

43 100

58 29.8 22.7 34.1



#16

1,3-Butadiene

Concen: 0.118 ppbv

RT: 1.612 min Scan# 471

Delta R.T. -0.003 min

Lab File: VL041864.D

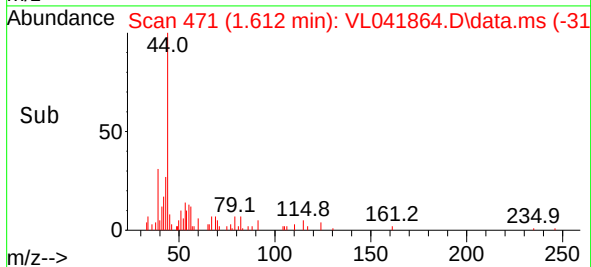
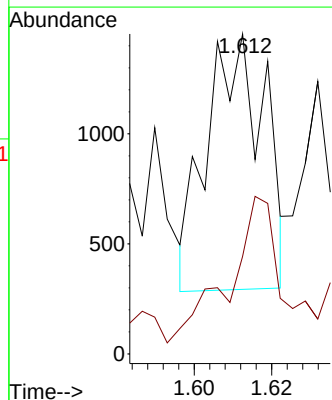
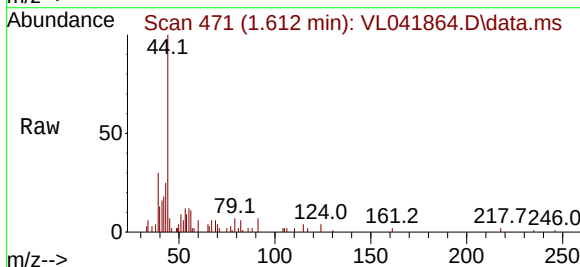
Acq: 09 Jan 2025 13:54

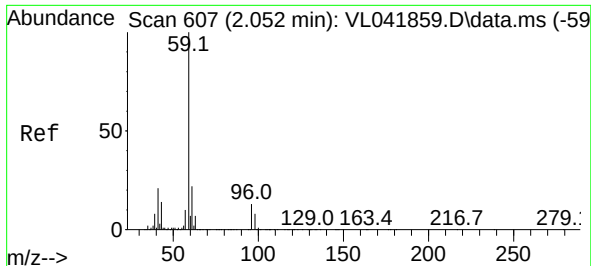
Tgt Ion: 39 Resp: 1199

Ion Ratio Lower Upper

39 100

54 92.6 60.1 90.1#

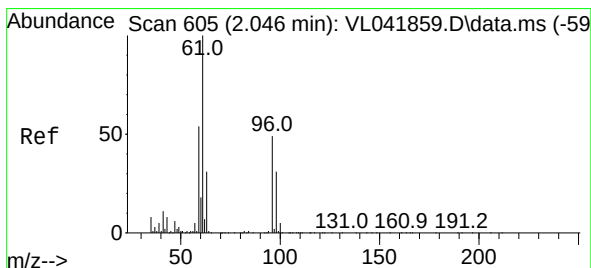
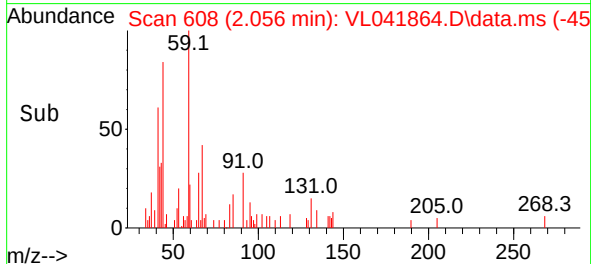
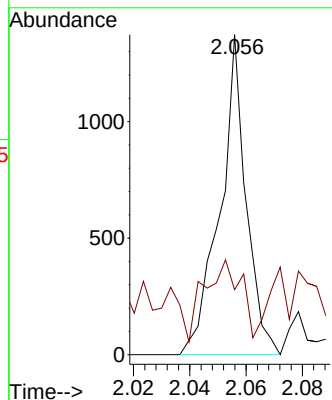
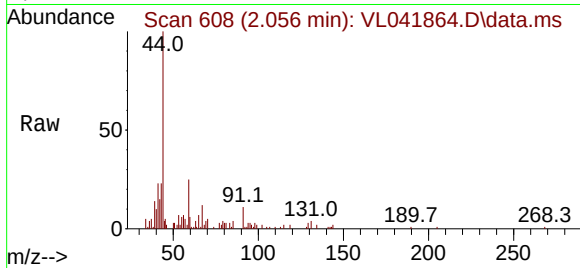




#17
tert-Butyl alcohol
Concen: 0.039 ppbv
RT: 2.056 min Scan# 607
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

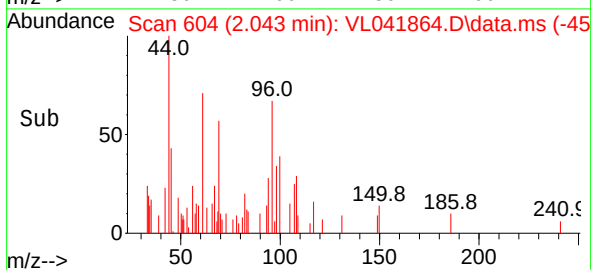
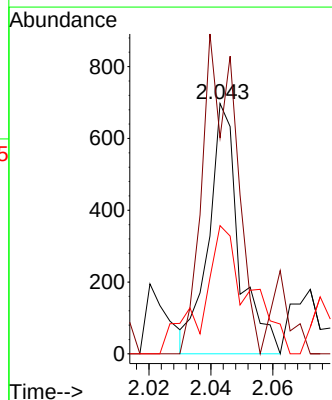
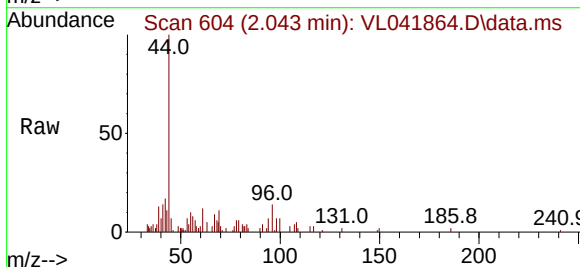
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

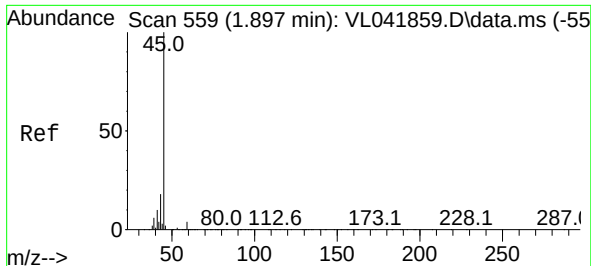
Tgt Ion: 59 Resp: 884
Ion Ratio Lower Upper
59 100
57 114.4 8.2 12.4#



#18
1,1-Dichloroethene
Concen: 0.065 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 96 Resp: 475
Ion Ratio Lower Upper
96 100
61 86.4 161.7 242.5#
98 39.3 51.0 76.4#





#19

Isopropyl Alcohol

Concen: 0.140 ppbv

RT: 1.897 min Scan# 559

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

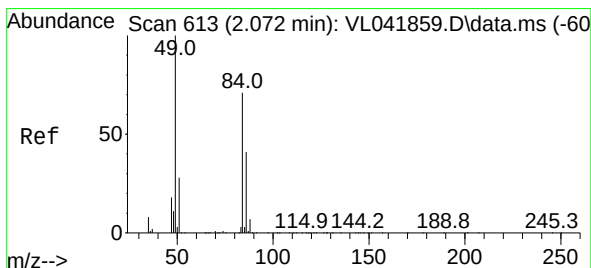
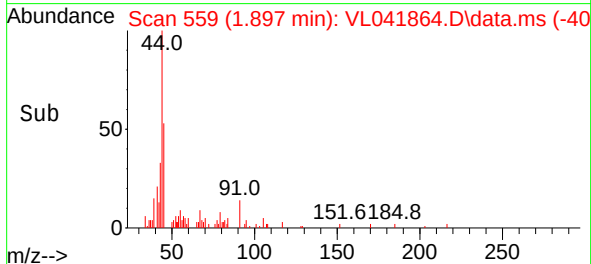
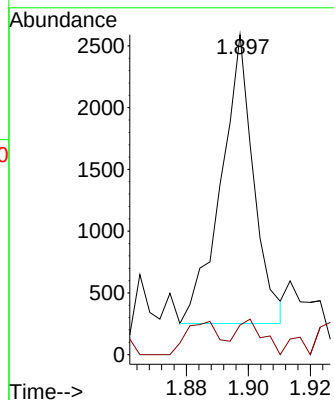
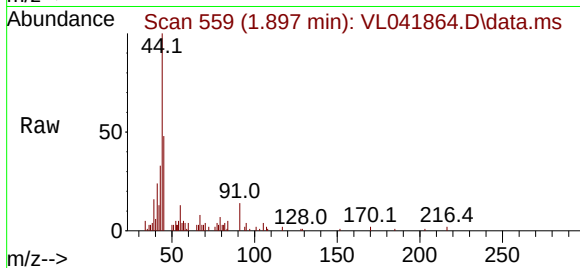
VSTDIC0.03

Tgt Ion: 45 Resp: 1707

Ion Ratio Lower Upper

45 100

58 24.5 37.0 55.6#



#20

Methylene Chloride

Concen: 0.200 ppbv

RT: 2.069 min Scan# 612

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion: 84 Resp: 1482

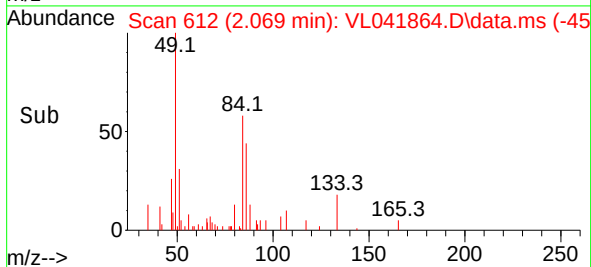
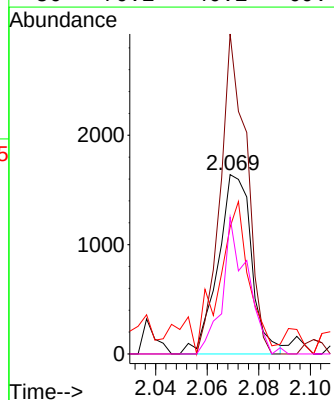
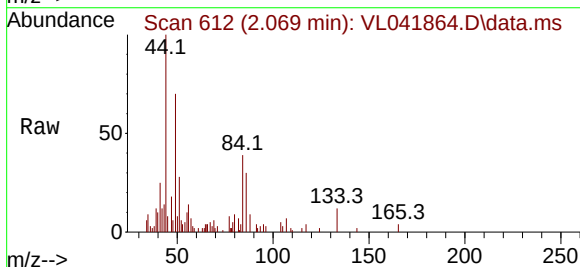
Ion Ratio Lower Upper

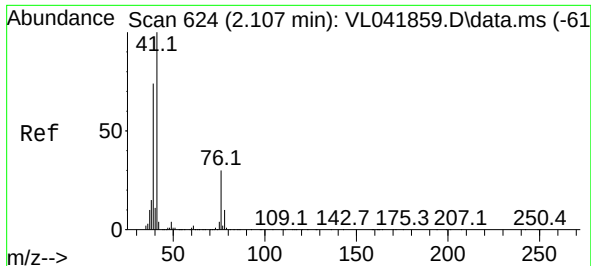
84 100

49 178.4 113.8 170.8#

51 65.3 33.5 50.3#

86 76.2 46.2 69.4#





#21

Allyl Chloride

Concen: 0.076 ppbv

RT: 2.104 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

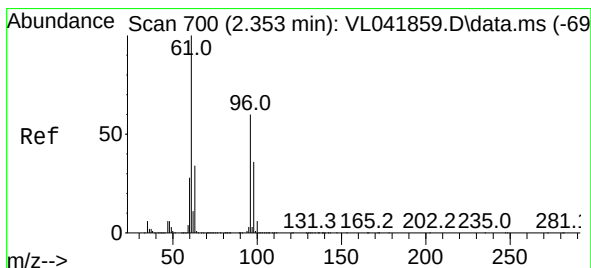
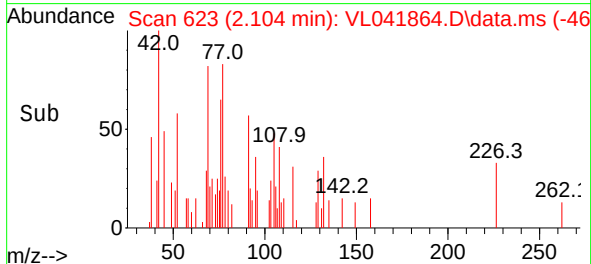
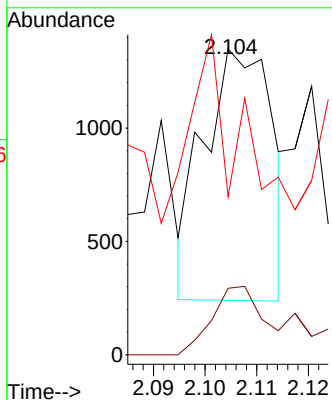
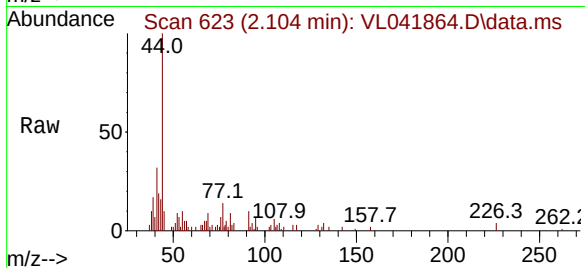
Tgt Ion: 41 Resp: 1019

Ion Ratio Lower Upper

41 100

76 34.5 24.6 36.8

39 173.0 60.1 90.1#



#22

trans-1,2-Dichloroethene

Concen: 0.039 ppbv

RT: 2.347 min Scan# 698

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

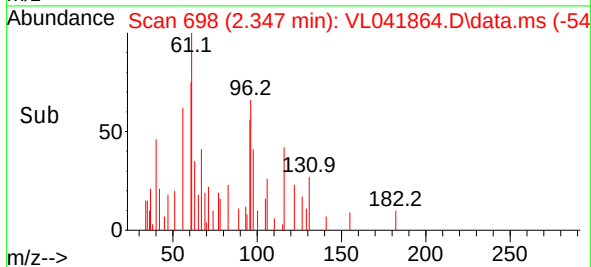
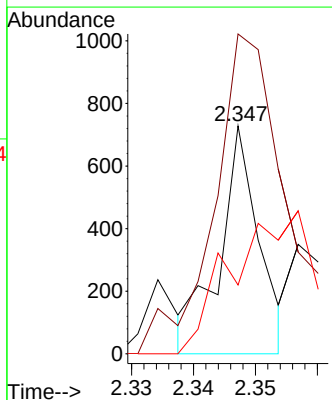
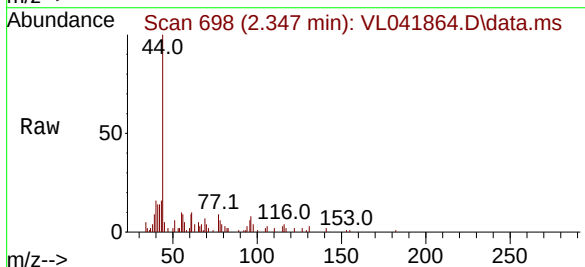
Tgt Ion: 96 Resp: 321

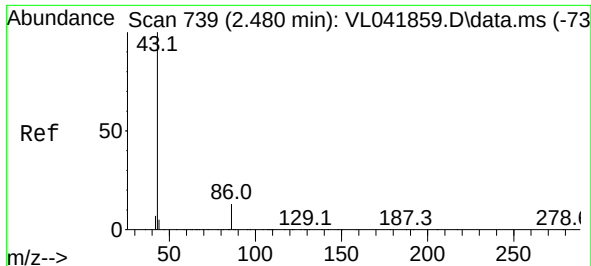
Ion Ratio Lower Upper

96 100

61 154.3 134.2 201.4

98 36.4 49.0 73.4#

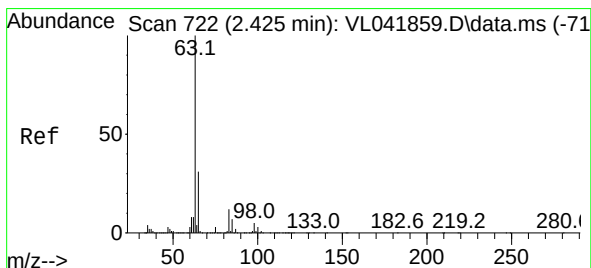
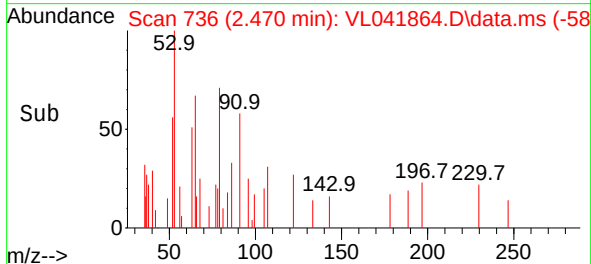
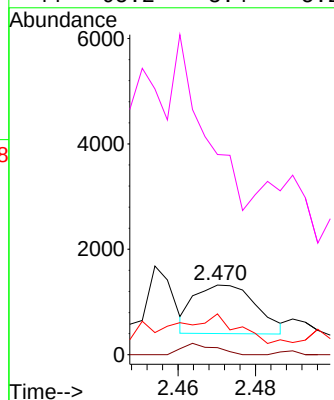
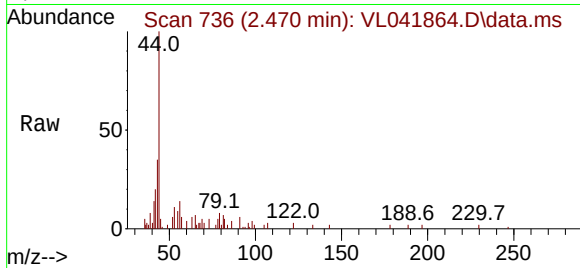




#23
 Vinyl Acetate
 Concen: 0.127 ppbv
 RT: 2.470 min Scan# 741
 Delta R.T. -0.009 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

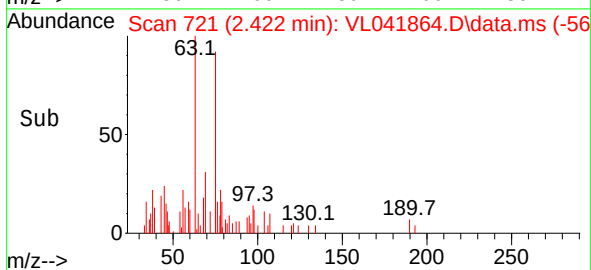
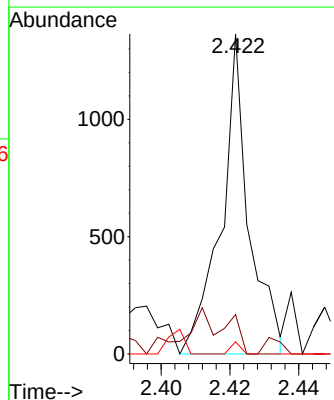
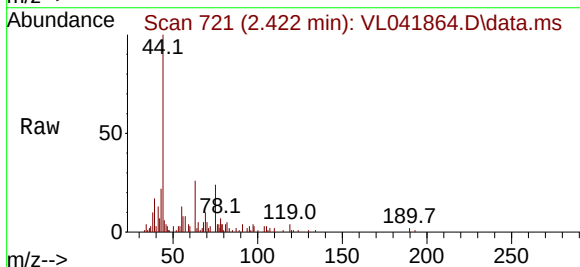
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

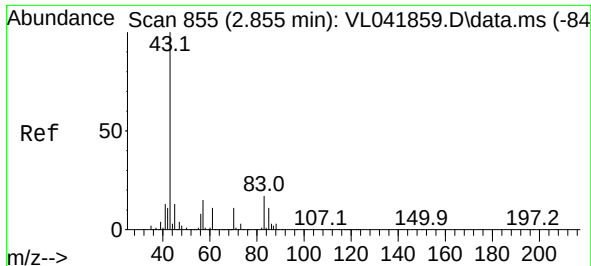
Tgt Ion: 43	Resp: 1019
Ion Ratio	Lower Upper
43 100	
86 11.2	7.8 11.6
42 67.4	7.0 10.4#
44 95.2	3.4 5.2#



#24
 1,1-Dichloroethane
 Concen: 0.042 ppbv
 RT: 2.422 min Scan# 721
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 63	Resp: 759
Ion Ratio	Lower Upper
63 100	
98 8.6	2.3 6.9#
100 3.8	1.3 3.8#

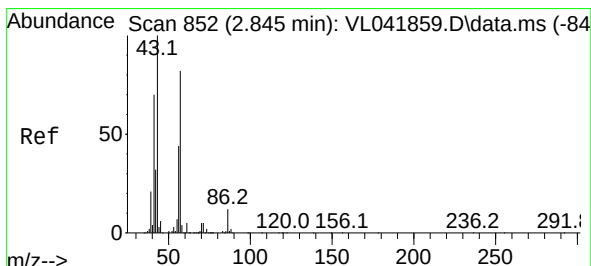
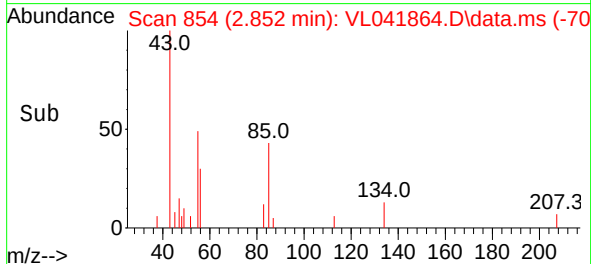
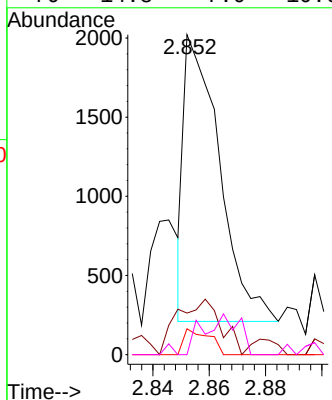
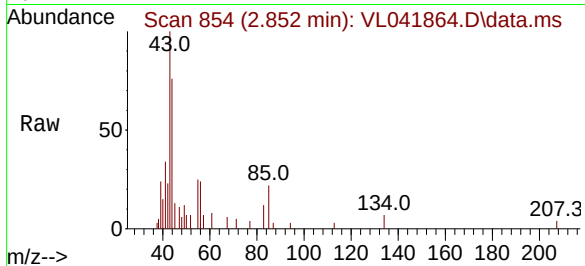




#25
Ethyl Acetate
Concen: 0.037 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

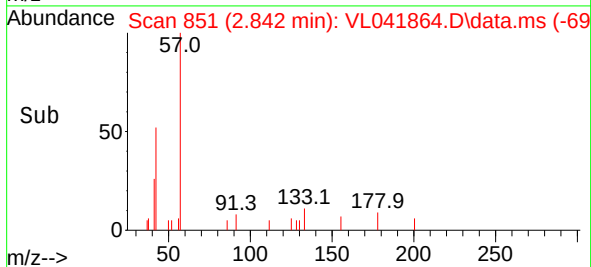
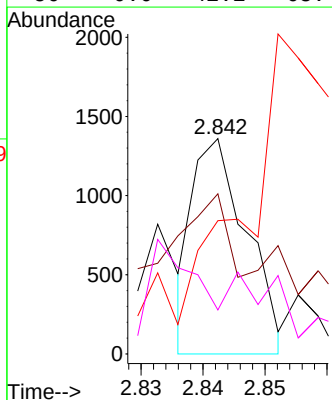
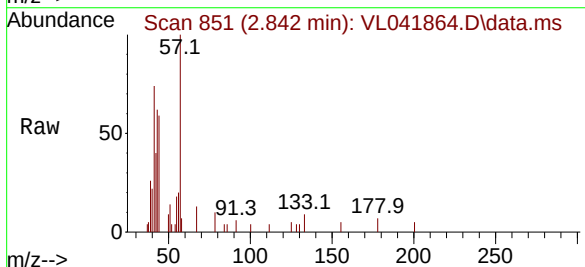
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

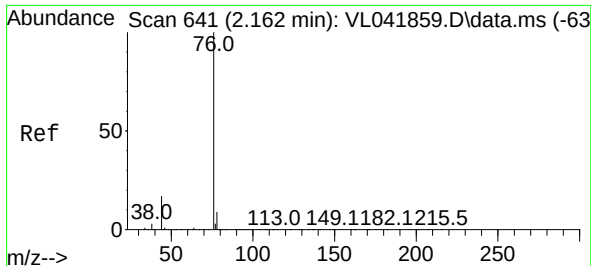
Tgt Ion:	43	Resp:	1586
Ion	Ratio	Lower	Upper
43	100		
45	33.6	8.4	12.6#
61	6.4	7.3	10.9#
70	14.8	7.0	10.6#



#26
Hexane
Concen: 0.055 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion:	57	Resp:	824
Ion	Ratio	Lower	Upper
57	100		
41	126.3	71.5	107.3#
43	0.0	200.2	300.4#
56	0.0	42.2	63.4#





#27

Carbon Disulfide

Concen: 0.064 ppbv

RT: 2.163 min Scan# 641

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

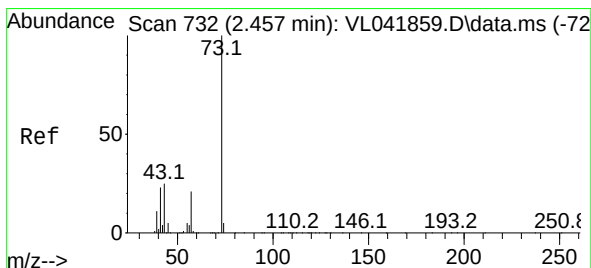
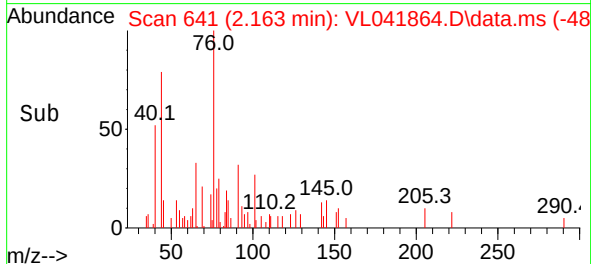
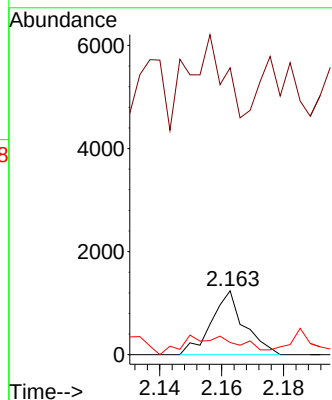
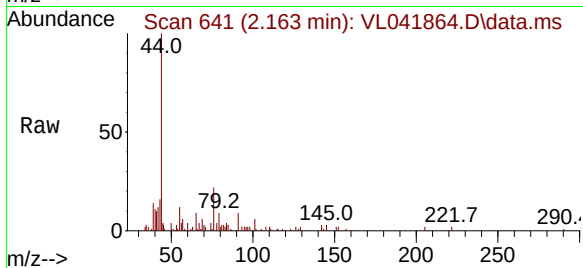
Tgt Ion: 76 Resp: 909

Ion Ratio Lower Upper

76 100

44 659.1 13.1 19.7#

78 0.0 9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.031 ppbv

RT: 2.460 min Scan# 733

Delta R.T. 0.004 min

Lab File: VL041864.D

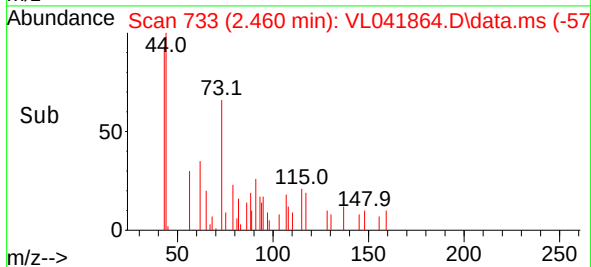
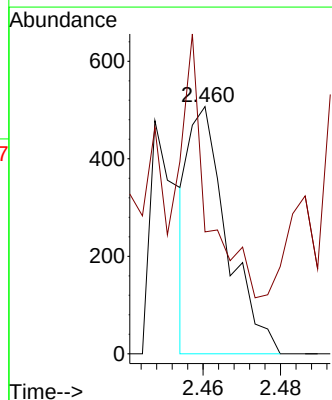
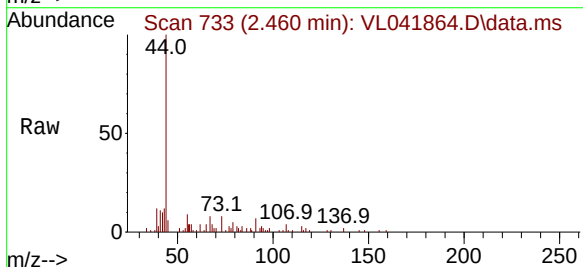
Acq: 09 Jan 2025 13:54

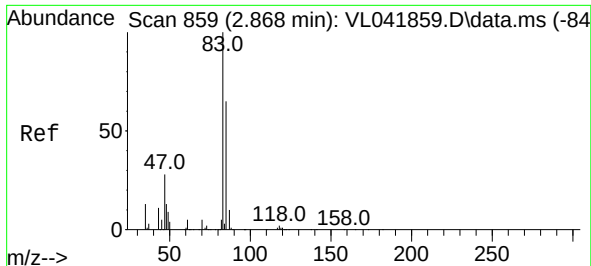
Tgt Ion: 73 Resp: 348

Ion Ratio Lower Upper

73 100

57 353.7 17.5 26.3#





#29

Chloroform

Concen: 0.001 ppbv

RT: 2.393 min Scan# 71

Delta R.T. -0.475 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

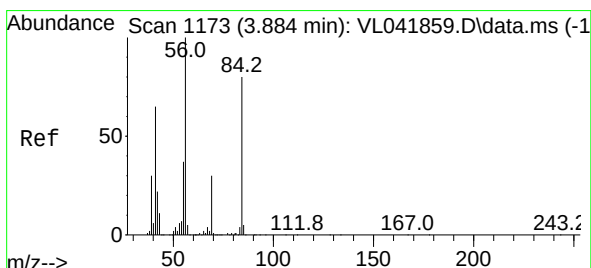
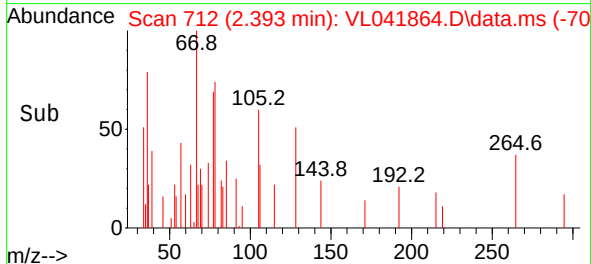
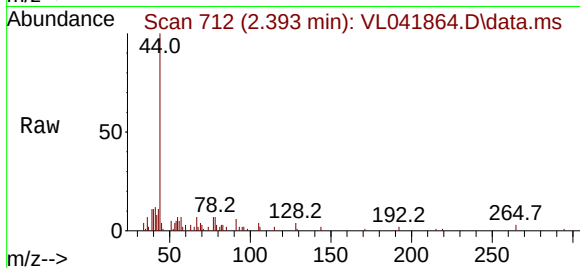
VSTDIC0.03

Tgt Ion: 83 Resp: 40

Ion Ratio Lower Upper

83 100

85 72.5 51.7 77.5



#30

Cyclohexane

Concen: 0.058 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

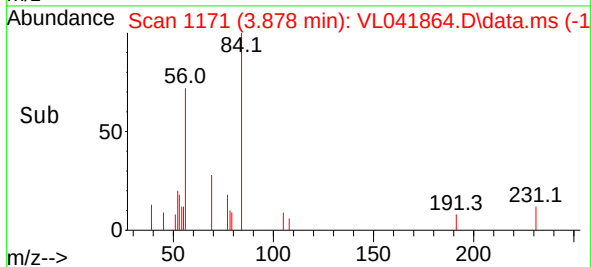
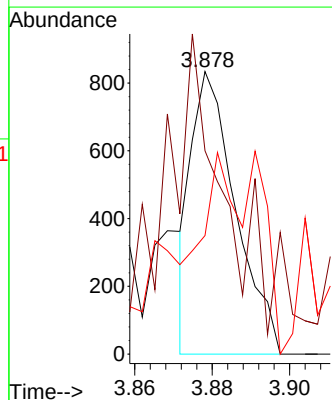
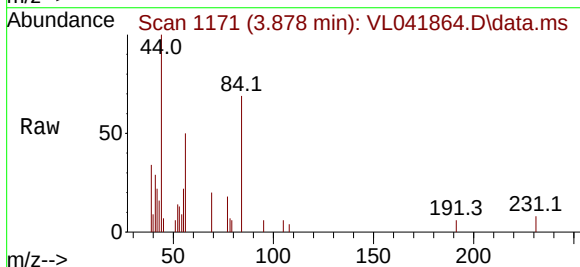
Tgt Ion: 84 Resp: 659

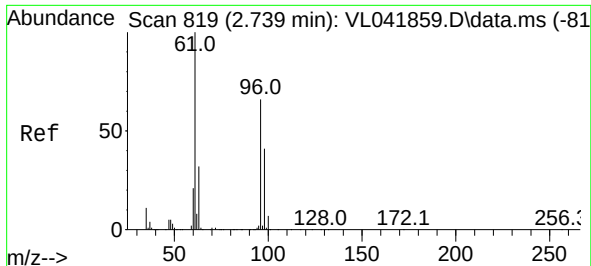
Ion Ratio Lower Upper

84 100

56 172.7 100.7 151.1#

41 137.6 62.8 94.2#

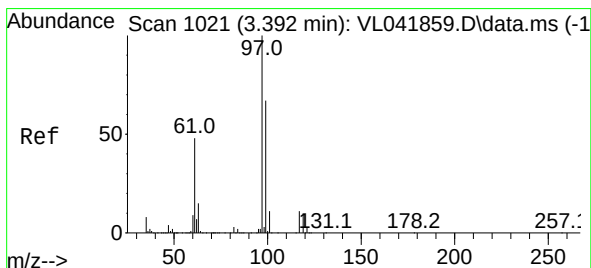
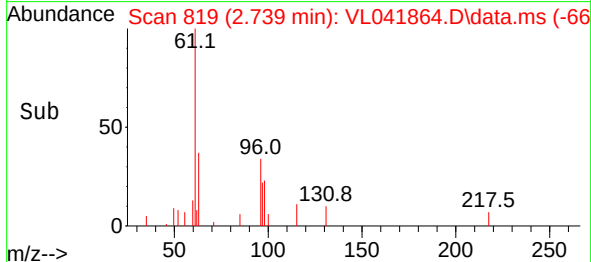
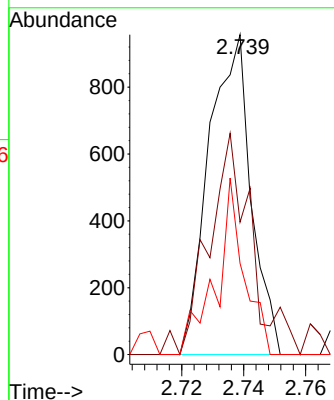
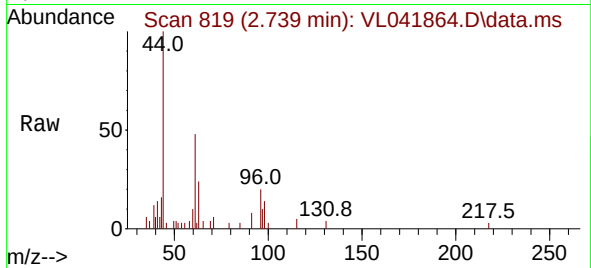




#31
 cis-1,2-Dichloroethene
 Concen: 0.058 ppbv
 RT: 2.739 min Scan# 819
 Delta R.T. 0.000 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

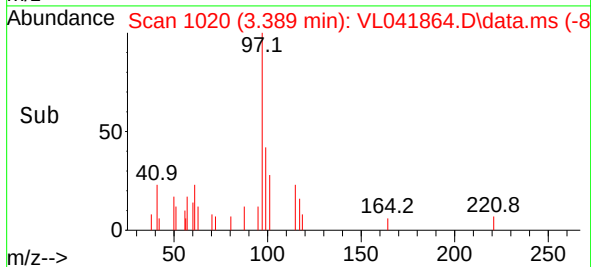
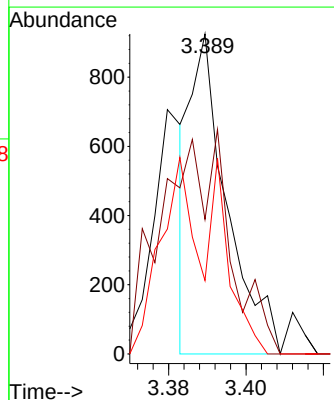
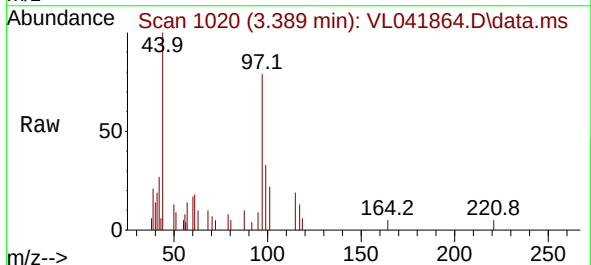
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

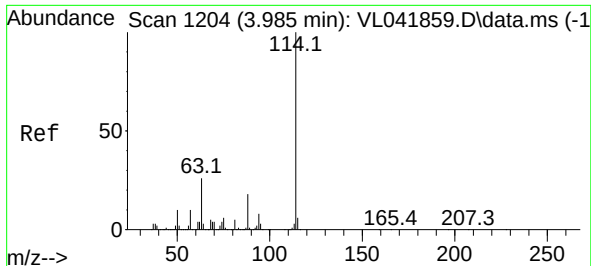
Tgt Ion: 61 Resp: 903
 Ion Ratio Lower Upper
 61 100
 96 41.4 53.2 79.8#
 98 28.5 32.5 48.7#



#32
 1,1,1-Trichloroethane
 Concen: 0.024 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion: 97 Resp: 610
 Ion Ratio Lower Upper
 97 100
 99 128.0 52.0 78.0#
 61 0.0 38.8 58.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.982 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

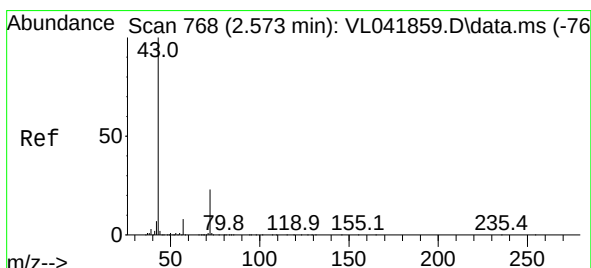
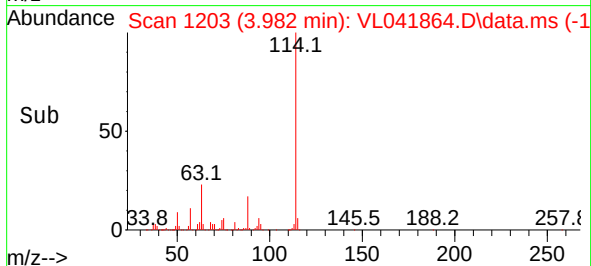
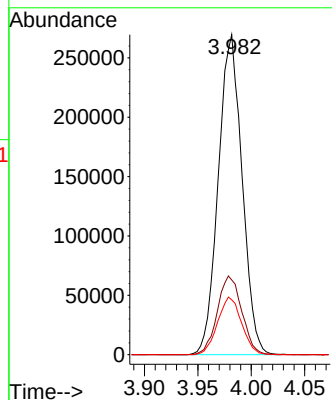
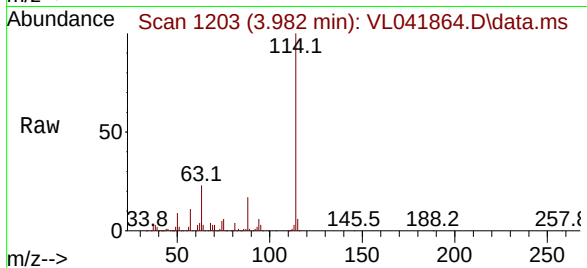
Tgt Ion:114 Resp: 417764

Ion Ratio Lower Upper

114 100

63 25.3 20.3 30.5

88 18.1 14.6 21.8



#34

2-Butanone

Concen: 0.052 ppbv

RT: 2.574 min Scan# 768

Delta R.T. 0.000 min

Lab File: VL041864.D

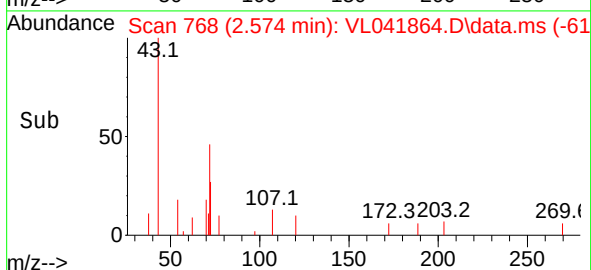
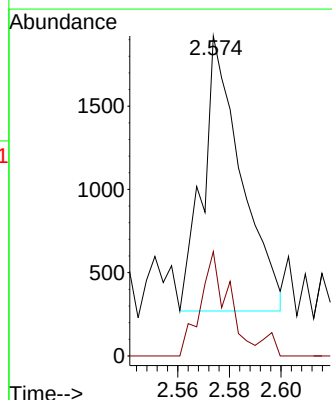
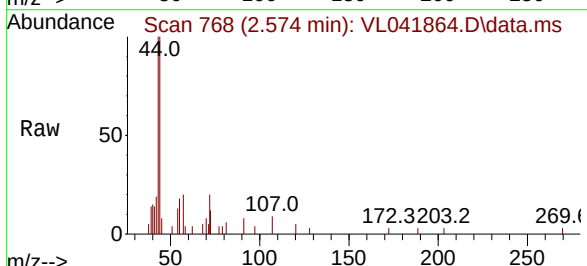
Acq: 09 Jan 2025 13:54

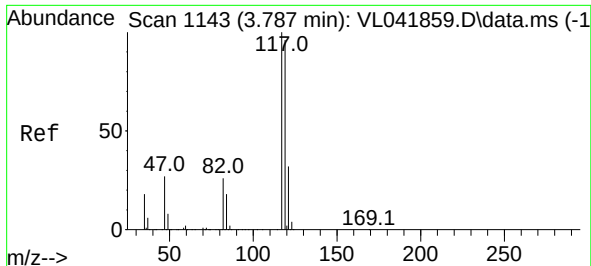
Tgt Ion: 43 Resp: 1708

Ion Ratio Lower Upper

43 100

72 30.6 18.5 27.7#

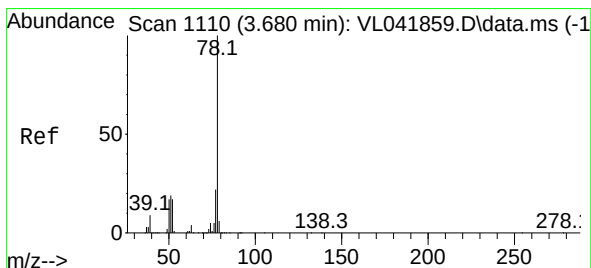
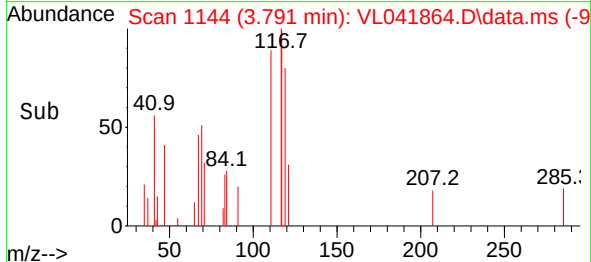
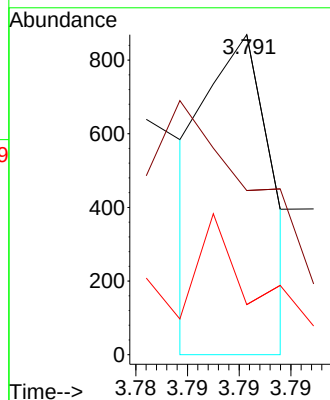
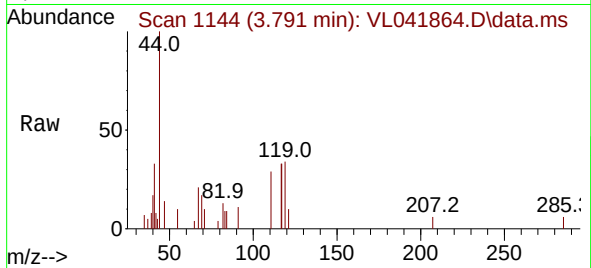




#35
Carbon Tetrachloride
Concen: 0.012 ppbv
RT: 3.791 min Scan# 1144
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

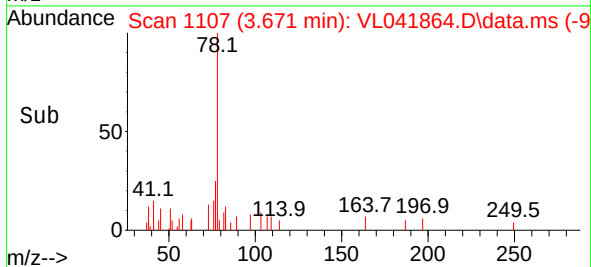
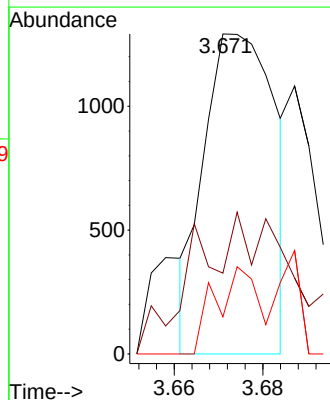
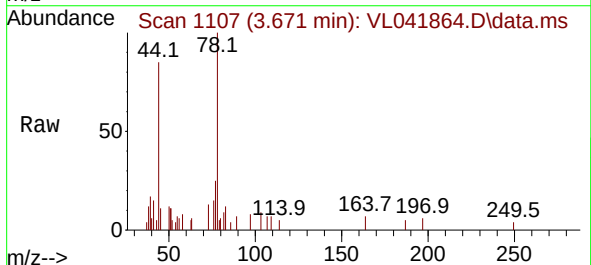
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

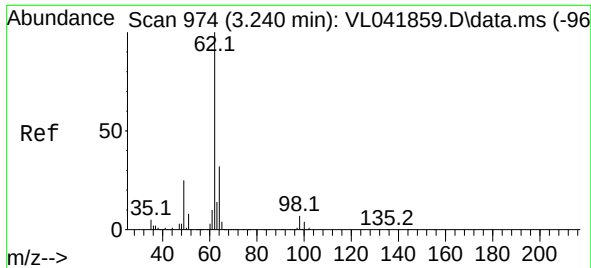
Tgt Ion:117 Resp: 388
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
121 8.2 25.9 38.9#



#36
Benzene
Concen: 0.036 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. -0.009 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 78 Resp: 1433
Ion Ratio Lower Upper
78 100
77 16.7 17.9 26.9#
50 16.6 13.7 20.5





#37

1,2-Dichloroethane

Concen: 0.032 ppbv

RT: 3.234 min Scan# 91

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

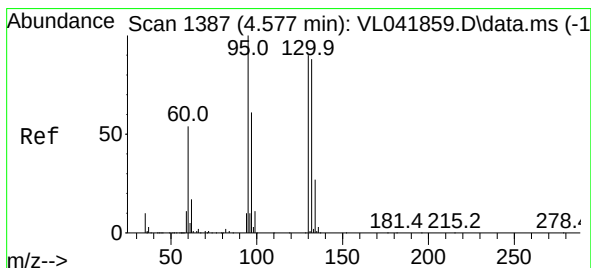
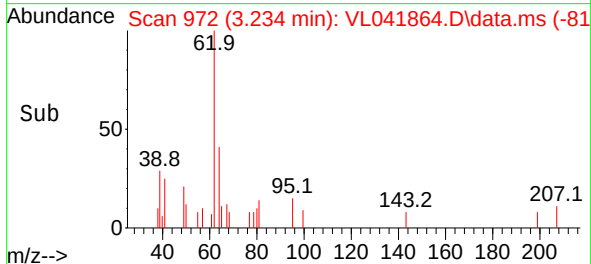
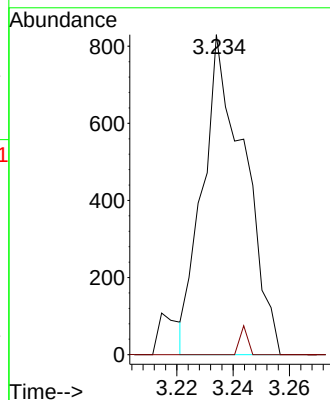
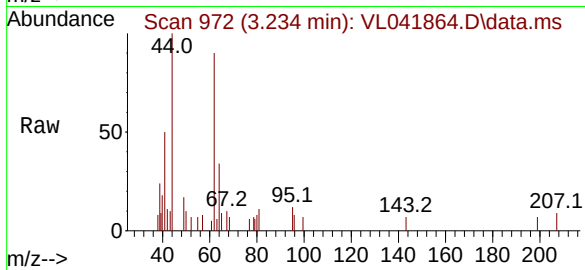
VSTDICC0.03

Tgt Ion: 62 Resp: 850

Ion Ratio Lower Upper

62 100

98 1.8 5.6 8.4#



#38

Trichloroethene

Concen: 0.017 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.004 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion:130 Resp: 268

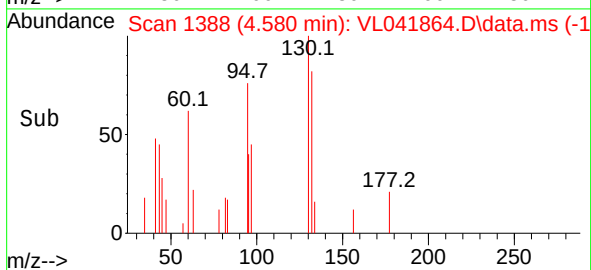
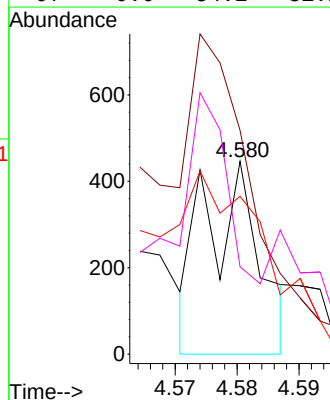
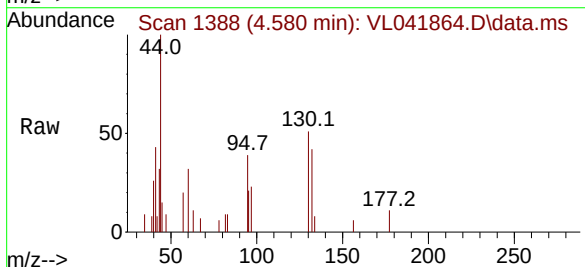
Ion Ratio Lower Upper

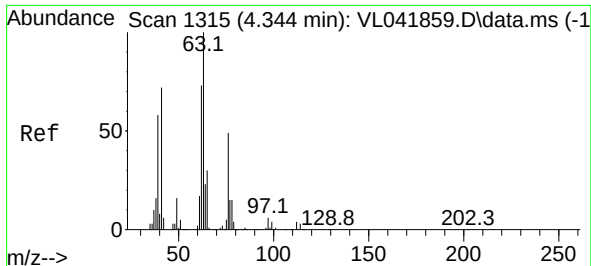
130 100

95 109.6 88.5 132.7

132 75.5 78.2 117.2#

97 0.0 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 6.838 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.365 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03

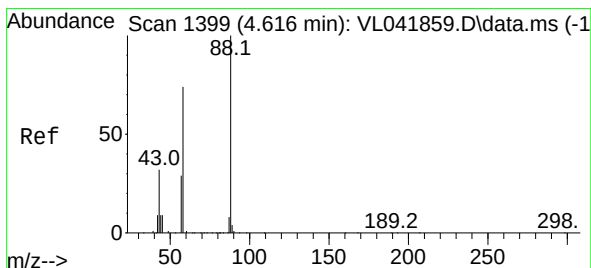
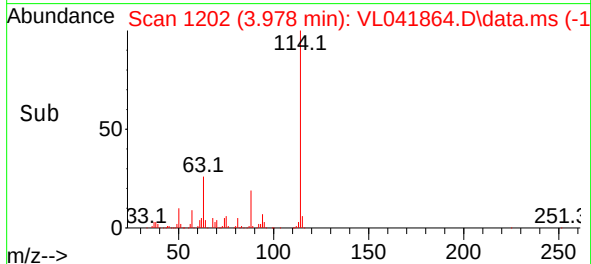
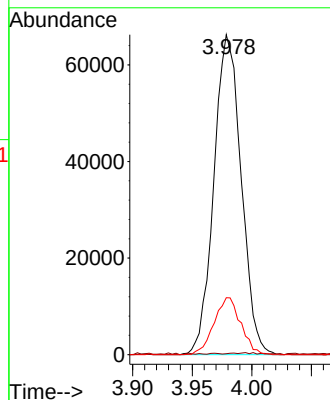
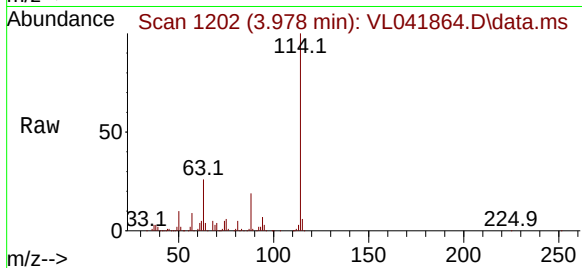
Tgt Ion: 63 Resp: 105561

Ion Ratio Lower Upper

63 100

41 0.3 58.0 87.0#

62 17.8 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.023 ppbv

RT: 4.648 min Scan# 1409

Delta R.T. 0.033 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion: 88 Resp: 136

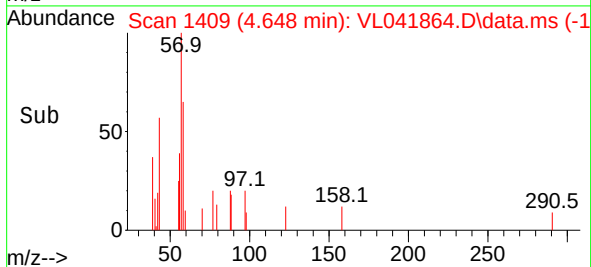
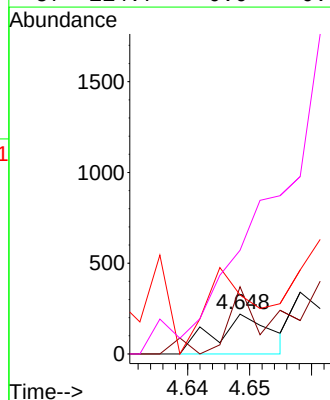
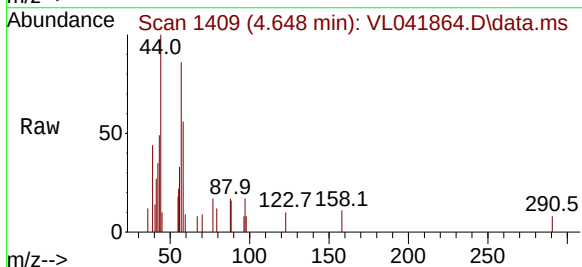
Ion Ratio Lower Upper

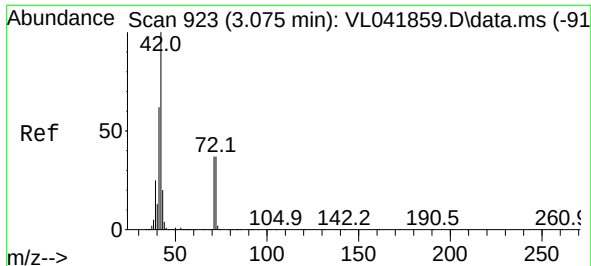
88 100

58 0.0 52.2 78.4#

43 0.0 0.0 0.0

57 114.7 0.0 0.0#

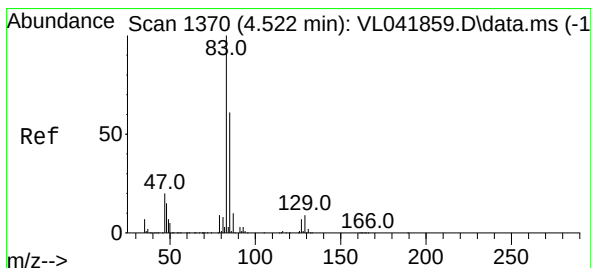
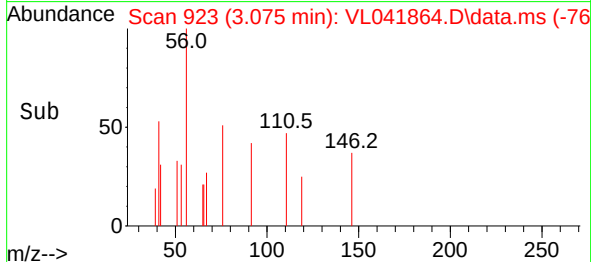
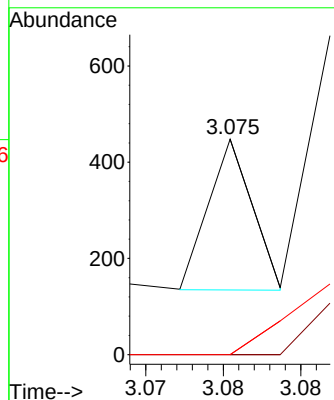
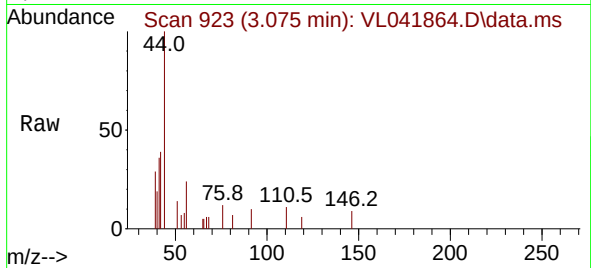




#41
Tetrahydrofuran
Concen: 0.004 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

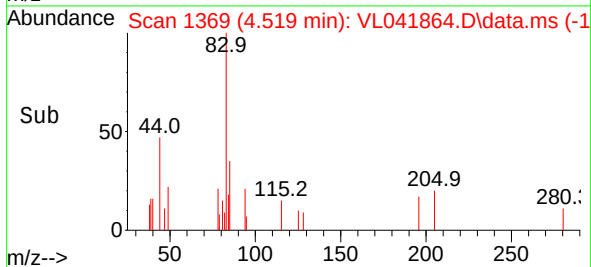
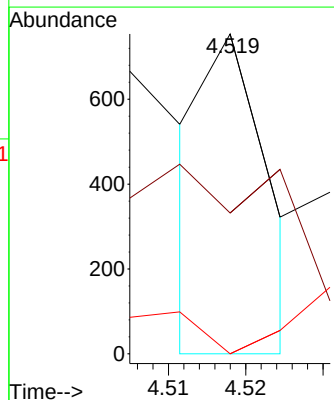
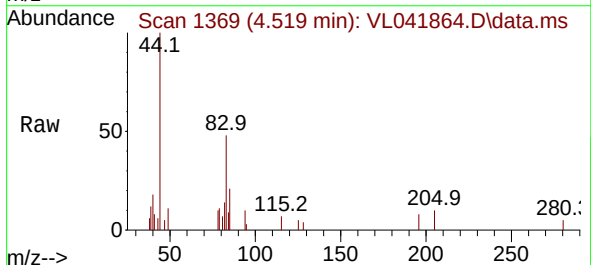
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

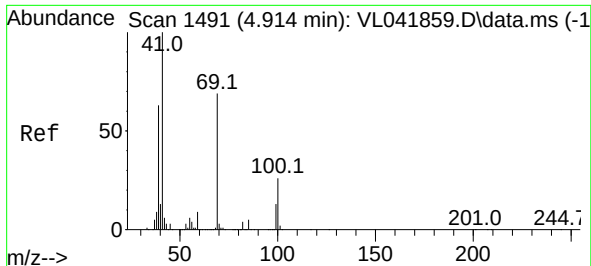
Tgt Ion: 42 Resp: 62
Ion Ratio Lower Upper
42 100
72 0.0 30.8 46.2#
71 0.0 30.1 45.1#



#42
Bromodichloromethane
Concen: 0.007 ppbv
RT: 4.519 min Scan# 1369
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 83 Resp: 209
Ion Ratio Lower Upper
83 100
85 0.0 48.9 73.3#
127 0.0 5.4 8.2#





#43

Methyl Methacrylate

Concen: 0.022 ppbv

RT: 4.914 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

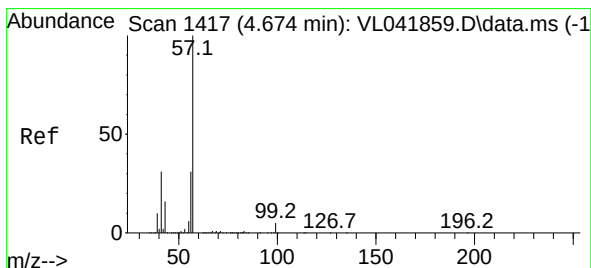
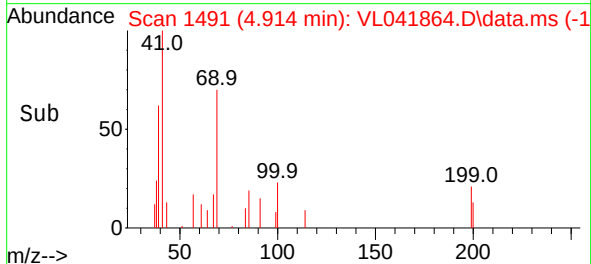
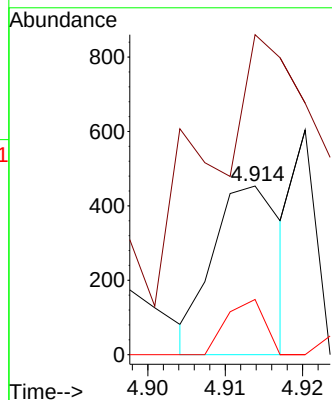
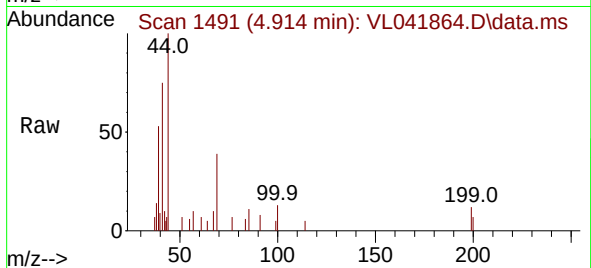
Tgt Ion: 69 Resp: 280

Ion Ratio Lower Upper

69 100

41 536.8 116.2 174.4#

100 0.0 29.8 44.8#



#44

2,2,4-Trimethylpentane

Concen: 0.012 ppbv

RT: 4.678 min Scan# 1418

Delta R.T. 0.004 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

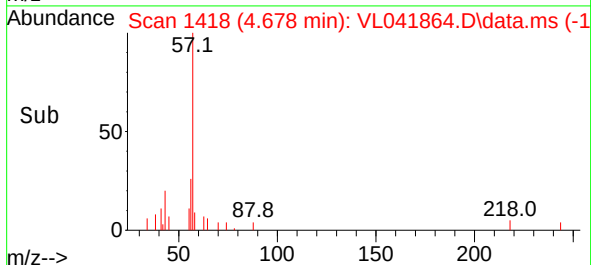
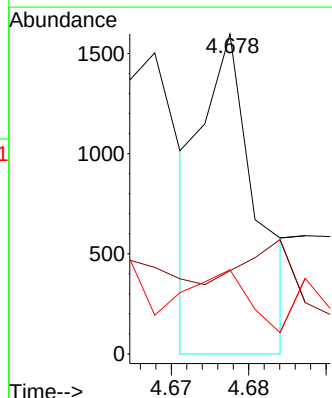
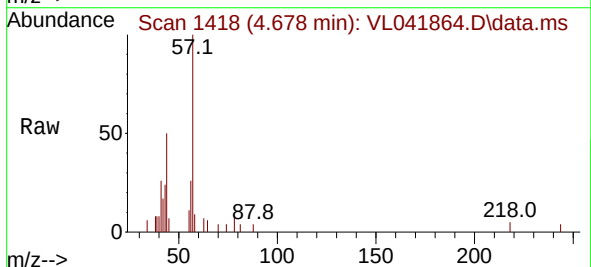
Tgt Ion: 57 Resp: 776

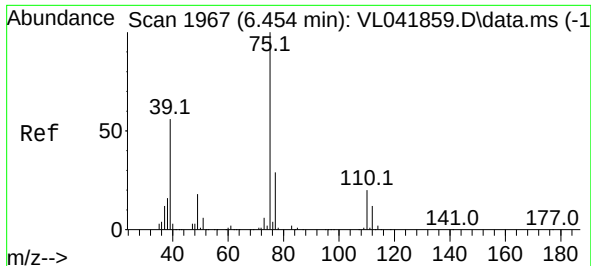
Ion Ratio Lower Upper

57 100

41 0.0 25.5 38.3#

56 0.0 25.6 38.4#





#45

t-1,3-Dichloropropene

Concen: 0.027 ppbv

RT: 6.451 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

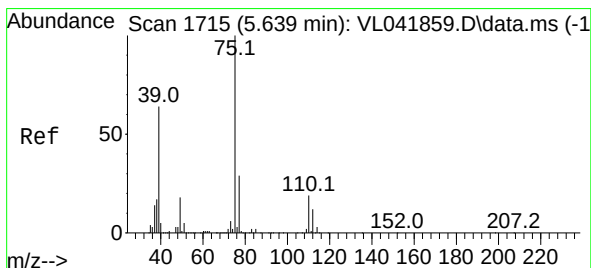
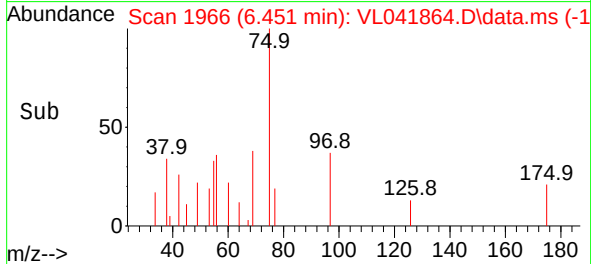
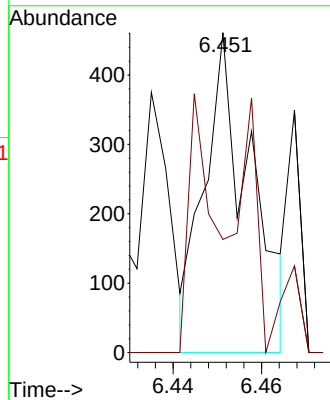
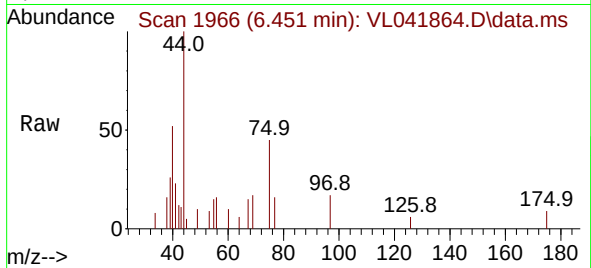
VSTDIC0.03

Tgt Ion: 75 Resp: 333

Ion Ratio Lower Upper

75 100

77 35.4 23.4 35.2#



#46

cis-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 5.629 min Scan# 1712

Delta R.T. -0.009 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

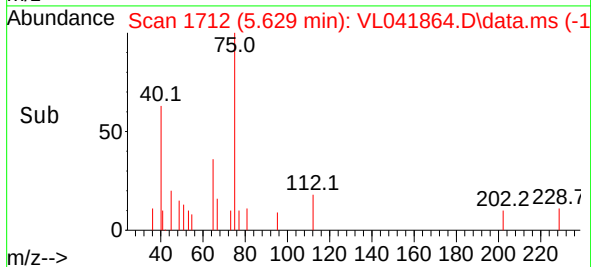
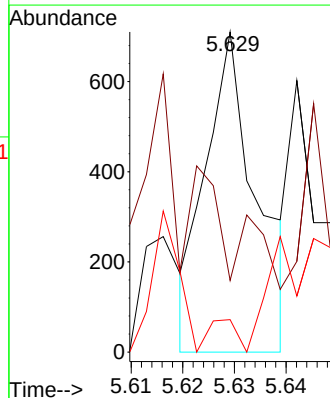
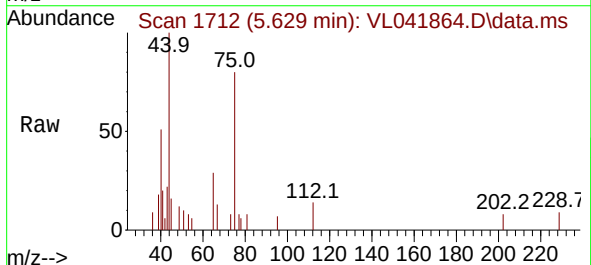
Tgt Ion: 75 Resp: 484

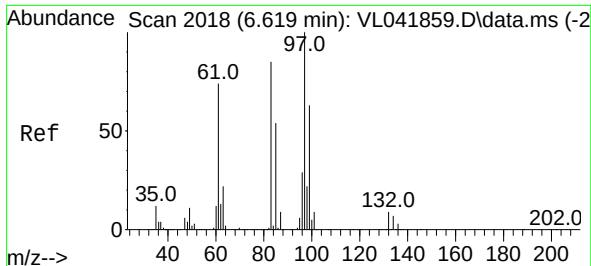
Ion Ratio Lower Upper

75 100

39 3.7 51.4 77.2#

77 0.0 23.0 34.4#

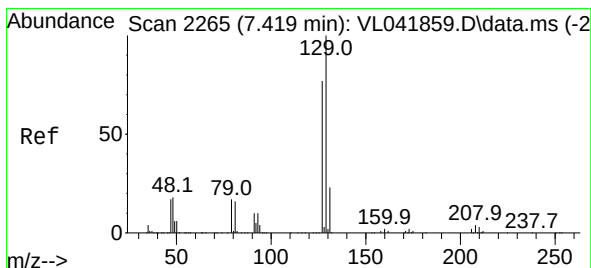
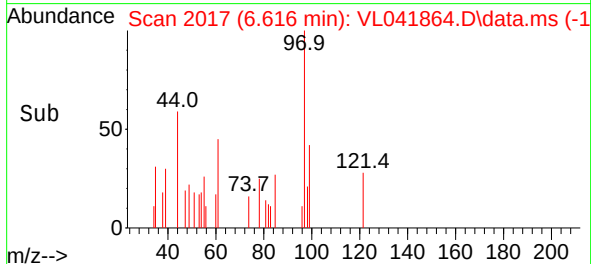
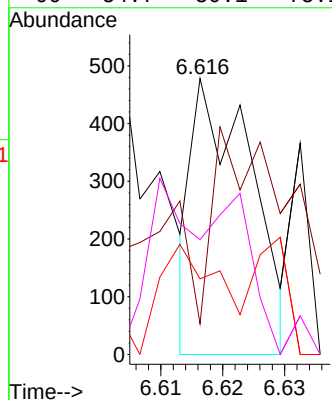
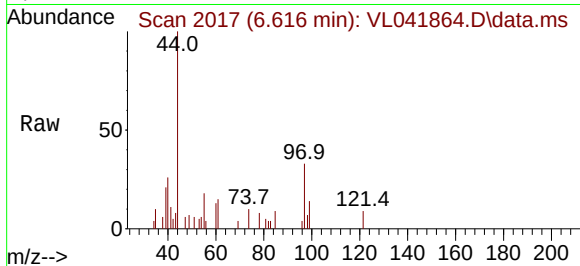




#47
1,1,2-Trichloroethane
Concen: 0.019 ppbv
RT: 6.616 min Scan# 2018
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

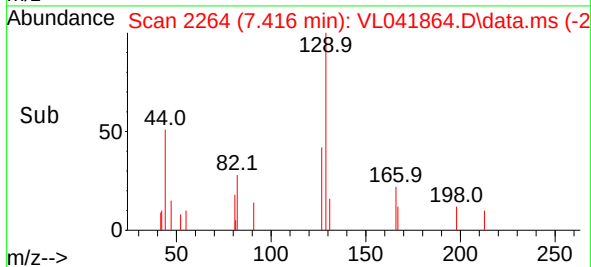
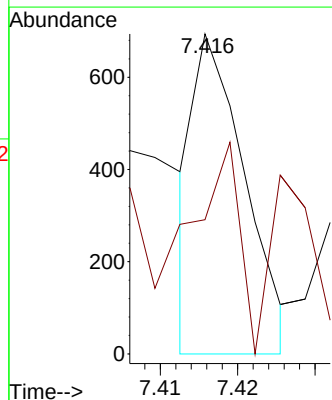
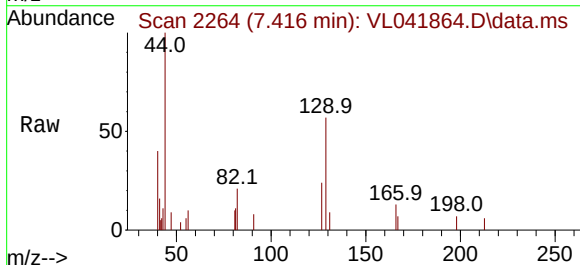
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

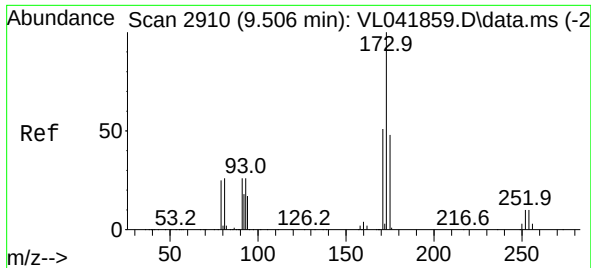
Tgt Ion: 97	Resp: 315
Ion Ratio	Lower Upper
97 100	
83 0.0	68.1 102.1#
85 0.0	43.4 65.2#
99 54.7	50.1 75.1



#48
Dibromochloromethane
Concen: 0.015 ppbv
RT: 7.416 min Scan# 2264
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion:129	Resp:	316	
Ion	Ratio	Lower	Upper
129	100		
127	161.1	39.4	118.1#





#49

Bromoform

Concen: 0.029 ppbv

RT: 9.503 min Scan# 2910

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

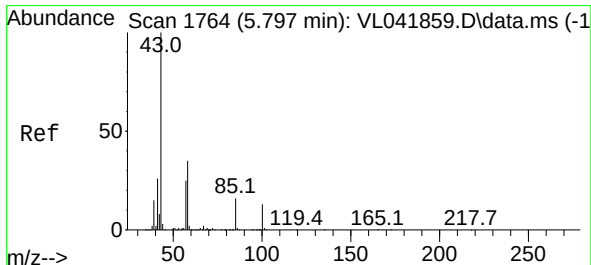
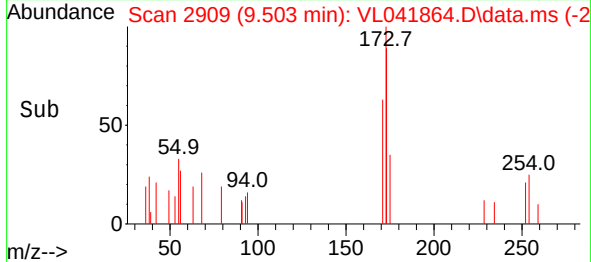
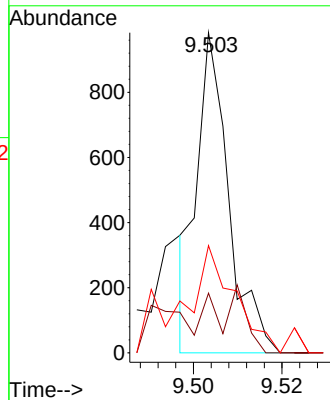
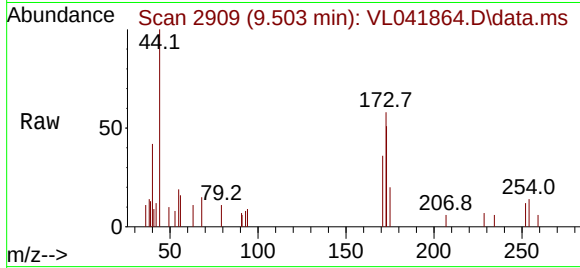
Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

Tgt Ion:	173	Resp:	486
Ion Ratio	Lower	Upper	
173	100		
175	38.5	38.2	57.2
171	59.5	41.3	61.9



#50

4-Methyl-2-Pentanone

Concen: 0.005 ppbv

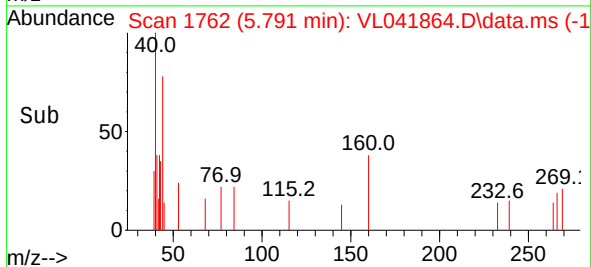
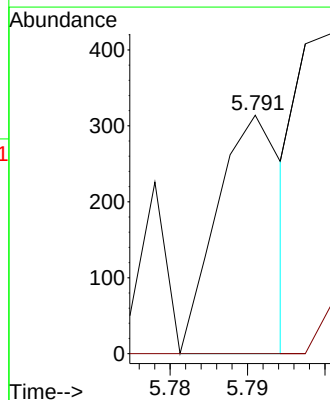
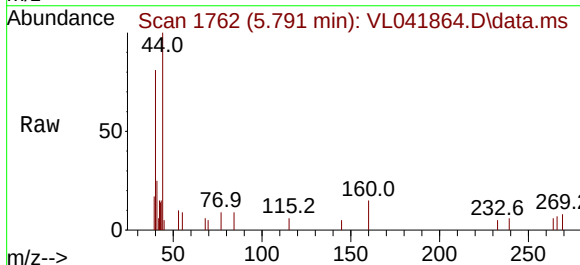
RT: 5.791 min Scan# 1762

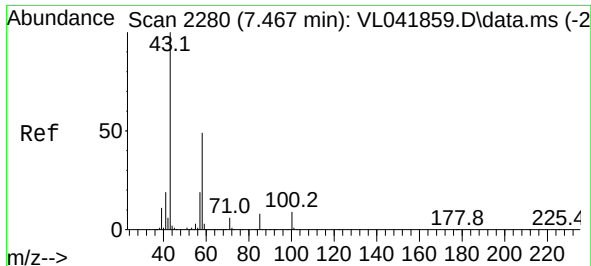
Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion:	43	Resp:	186
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.4	44.2#

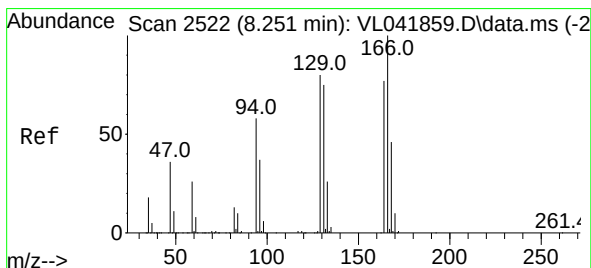
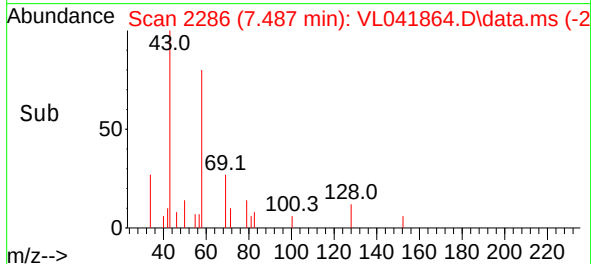
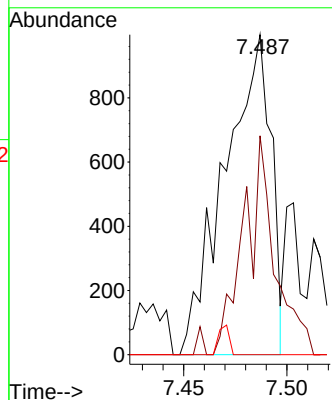
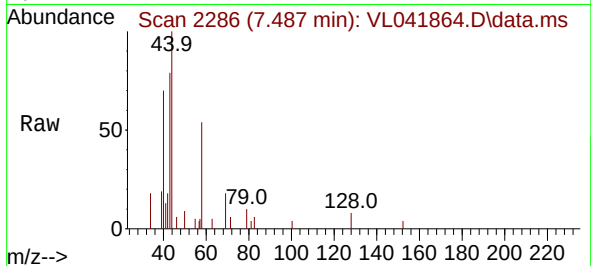




#51
2-Hexanone
Concen: 0.054 ppbv
RT: 7.487 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

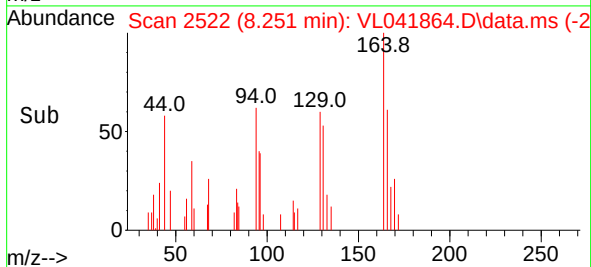
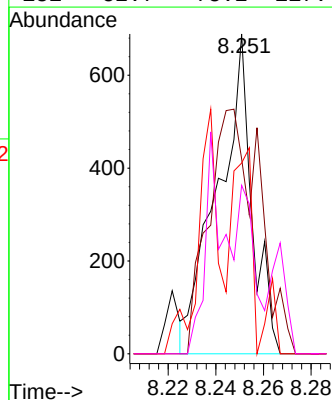
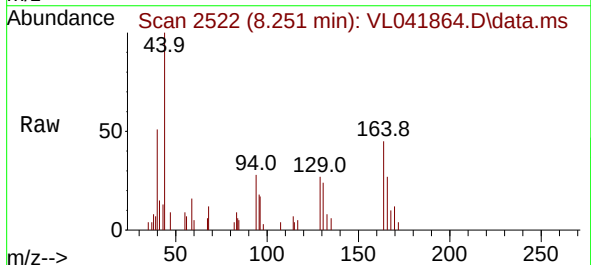
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

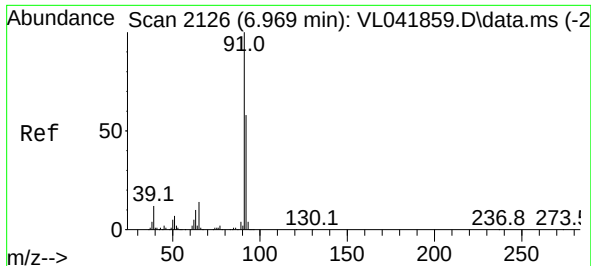
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
58 46.9 40.0 60.0
98 2.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.058 ppbv
RT: 8.251 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 164 Resp: 686
Ion Ratio Lower Upper
164 100
166 61.0 103.6 155.4#
129 59.7 82.6 123.8#
131 52.7 78.2 117.4#





#53

Toluene

Concen: 0.051 ppbv

RT: 6.959 min Scan# 2126

Delta R.T. -0.009 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

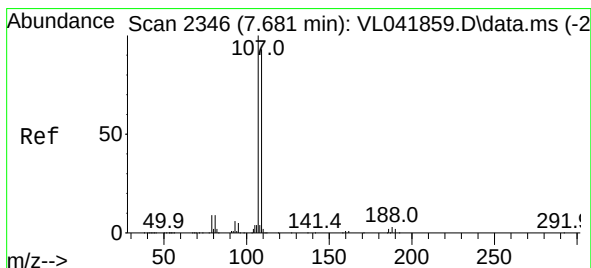
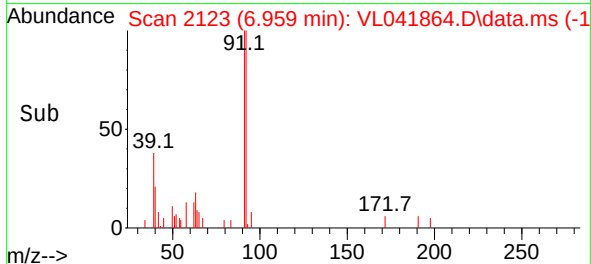
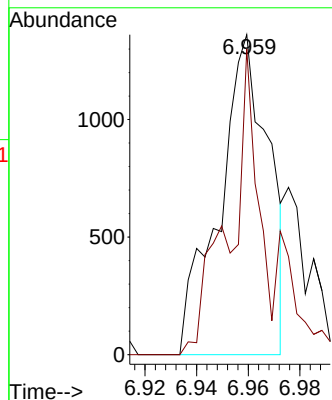
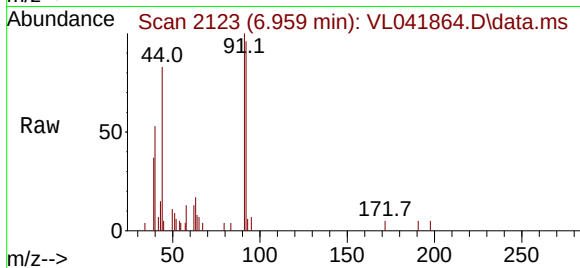
VSTDIC0.03

Tgt Ion: 91 Resp: 1812

Ion Ratio Lower Upper

91 100

92 72.0 47.2 70.8#



#54

1,2-Dibromoethane

Concen: 0.034 ppbv

RT: 7.675 min Scan# 2344

Delta R.T. -0.006 min

Lab File: VL041864.D

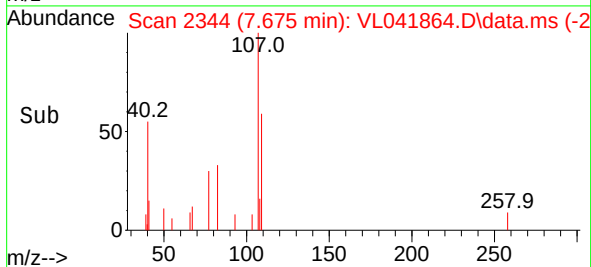
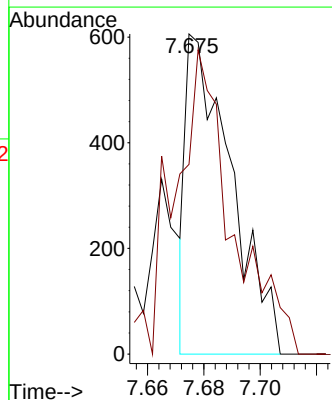
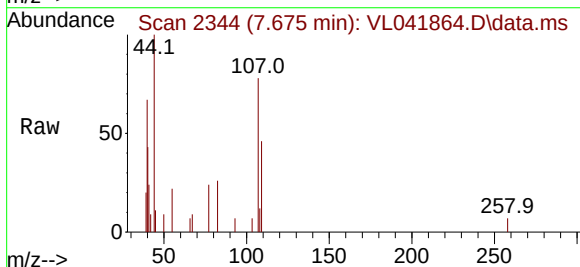
Acq: 09 Jan 2025 13:54

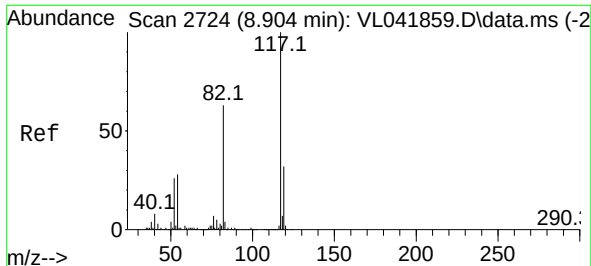
Tgt Ion: 107 Resp: 673

Ion Ratio Lower Upper

107 100

109 44.7 74.6 112.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 2724

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

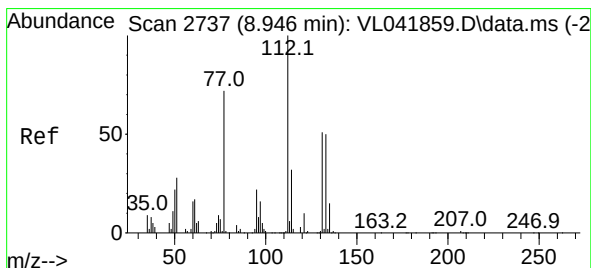
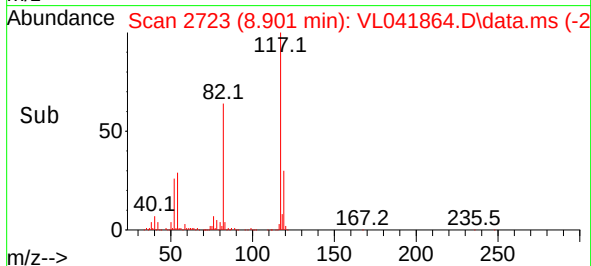
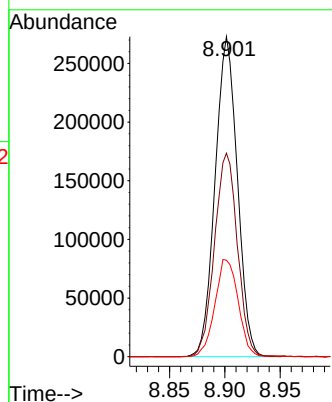
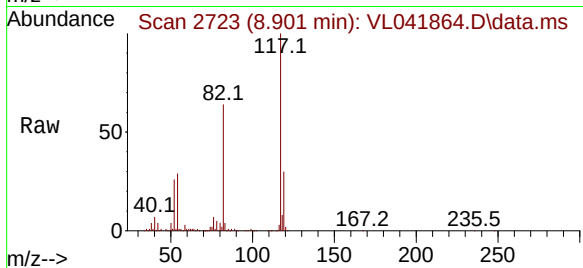
Tgt Ion:117 Resp: 382336

Ion Ratio Lower Upper

117 100

82 65.5 54.5 81.7

119 31.9 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.009 ppbv

RT: 8.943 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

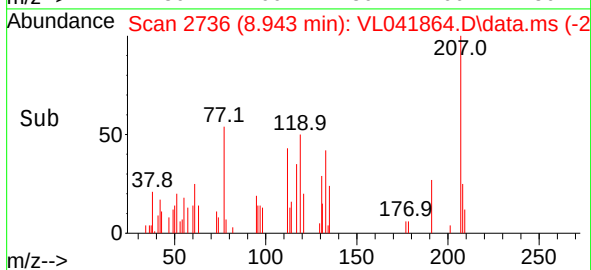
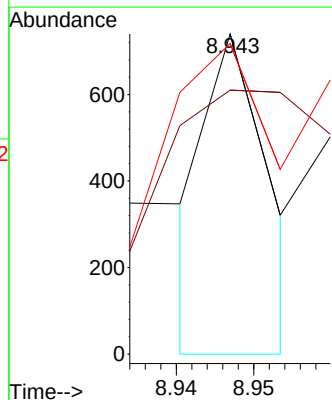
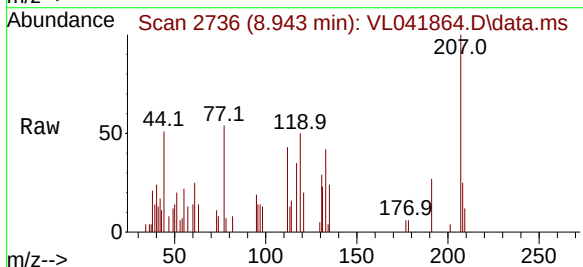
Tgt Ion:131 Resp: 206

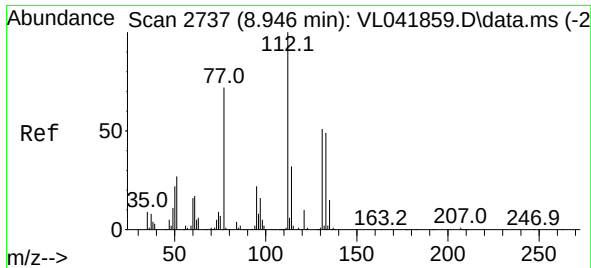
Ion Ratio Lower Upper

131 100

133 0.0 77.4 116.2#

119 0.0 49.4 74.0#

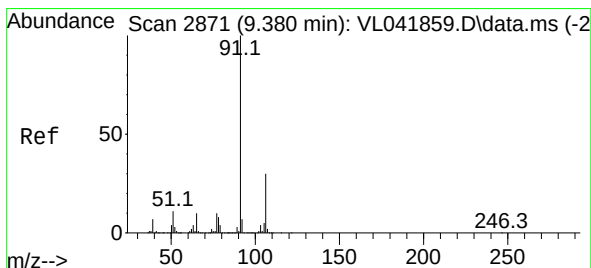
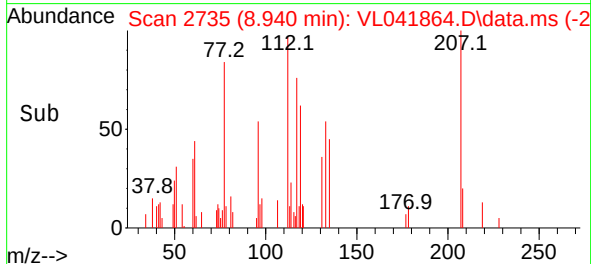
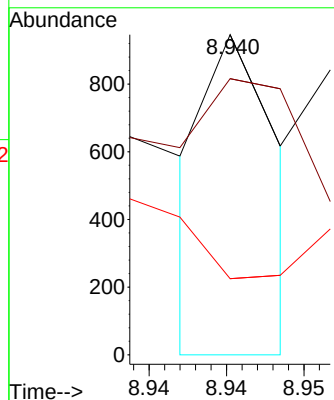
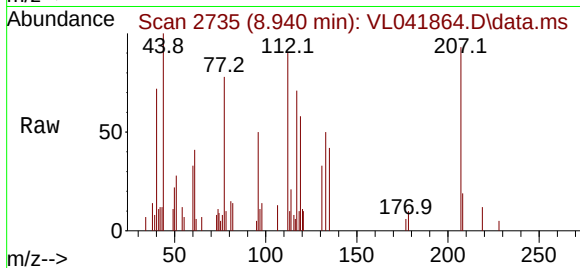




#57
Chlorobenzene
Concen: 0.008 ppbv
RT: 8.940 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

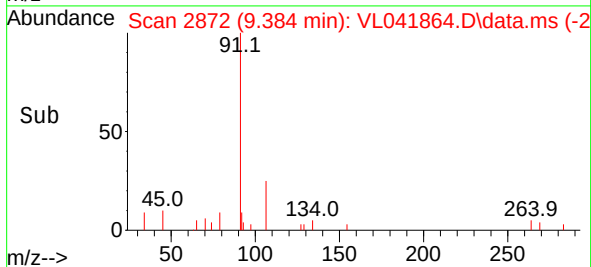
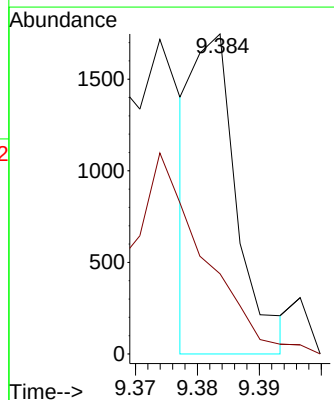
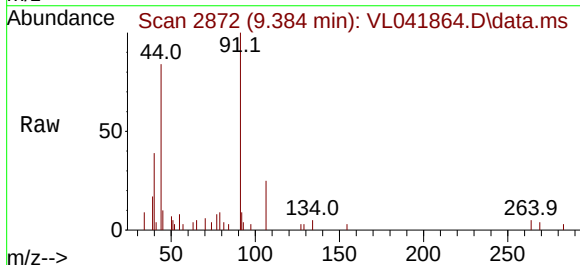
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

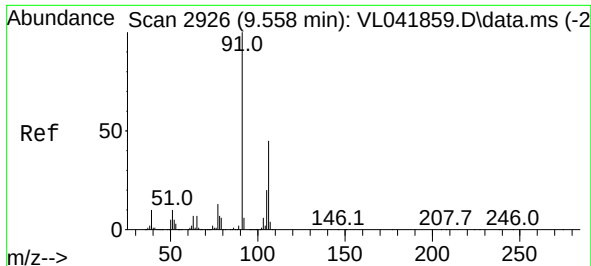
Tgt Ion:112 Resp: 304
Ion Ratio Lower Upper
112 100
77 56.8 58.3 87.5#
114 0.0 28.9 35.3#



#58
Ethyl Benzene
Concen: 0.016 ppbv
RT: 9.384 min Scan# 2872
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 91 Resp: 858
Ion Ratio Lower Upper
91 100
106 25.0 24.2 36.2

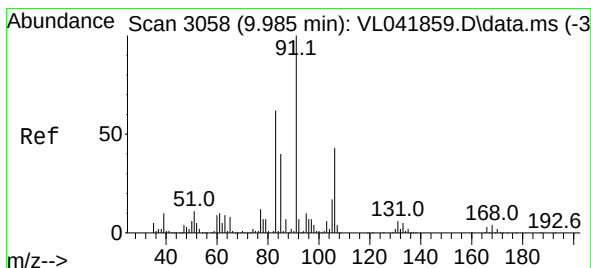
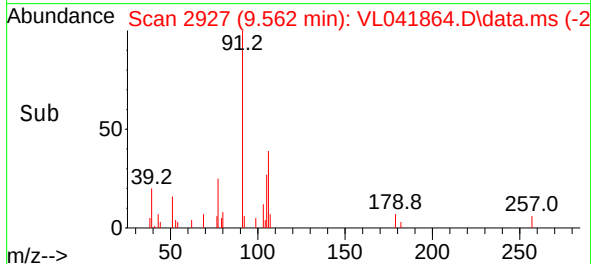
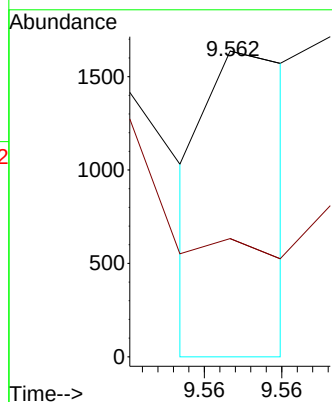
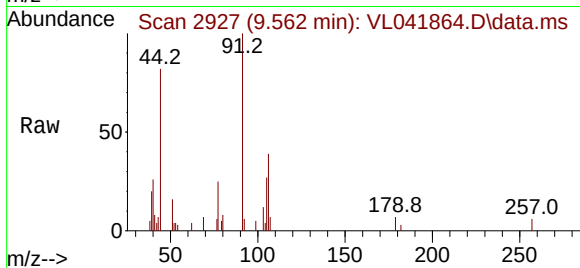




#59
m/p-Xylene
Concen: 0.014 ppbv
RT: 9.562 min Scan# 2926
Delta R.T. 0.004 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

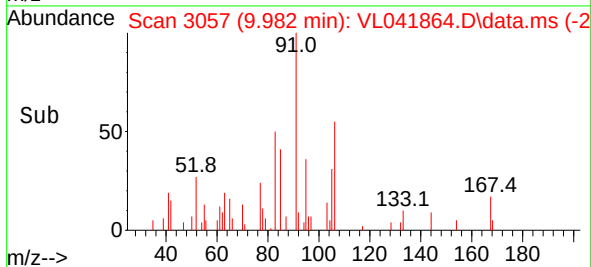
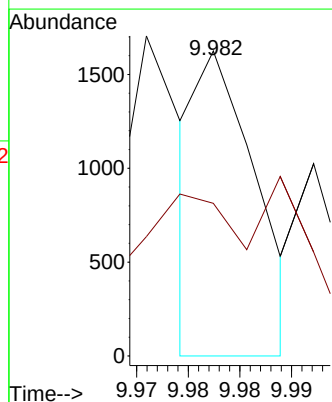
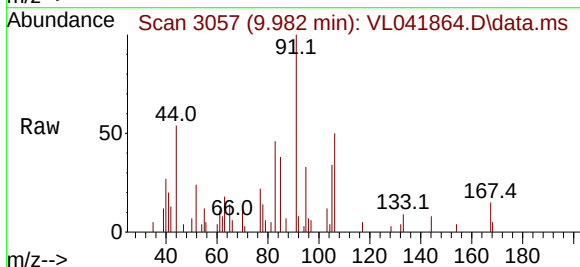
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

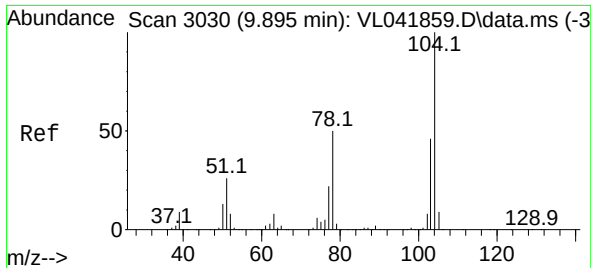
Tgt Ion: 91 Resp: 624
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 0.014 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 91 Resp: 637
Ion Ratio Lower Upper
91 100
106 0.0 21.4 64.3#

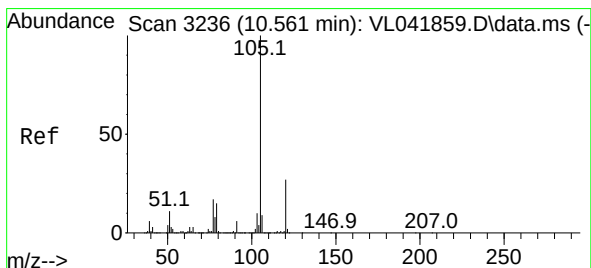
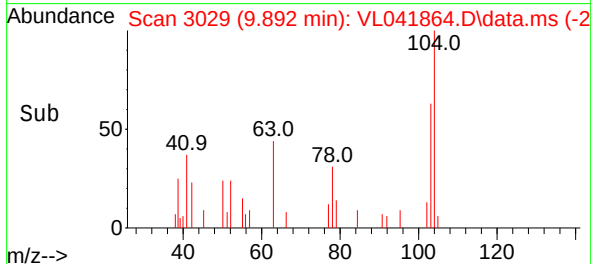
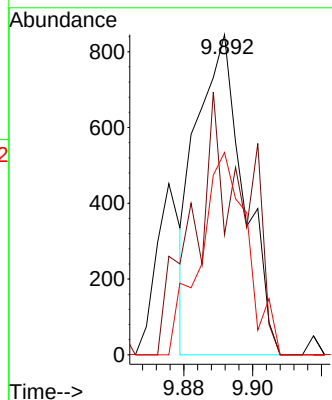
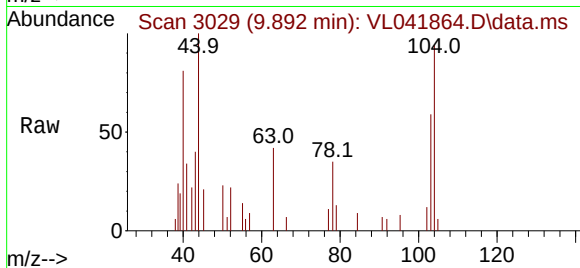




#61
Styrene
Concen: 0.047 ppbv
RT: 9.892 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

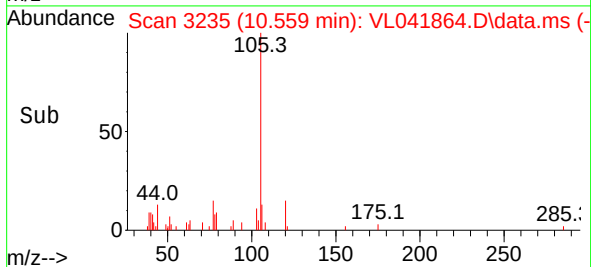
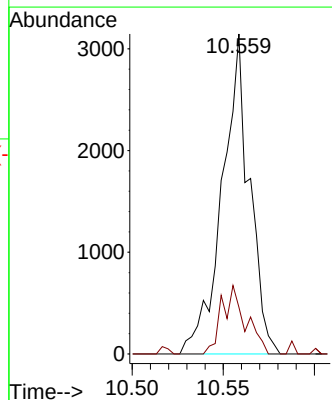
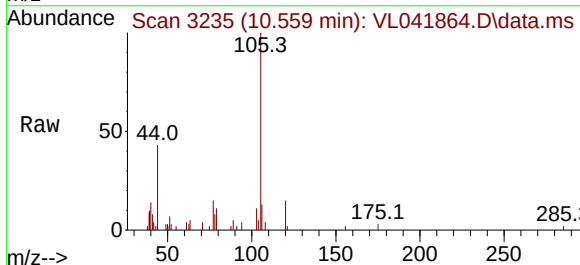
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

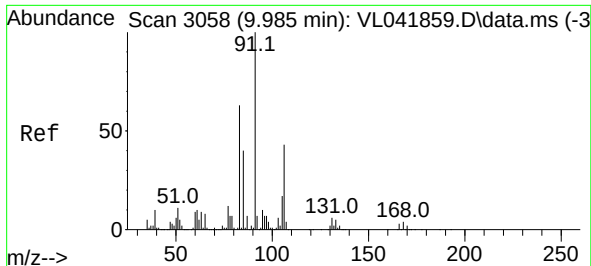
Tgt Ion:104 Resp: 813
Ion Ratio Lower Upper
104 100
78 86.5 40.7 61.1#
103 62.5 37.0 55.6#



#62
Isopropylbenzene
Concen: 0.047 ppbv
RT: 10.559 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion:105 Resp: 3277
Ion Ratio Lower Upper
105 100
120 19.5 20.3 30.5#

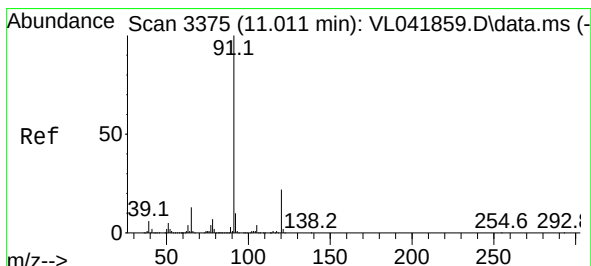
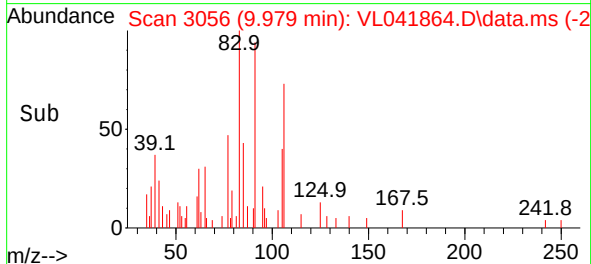
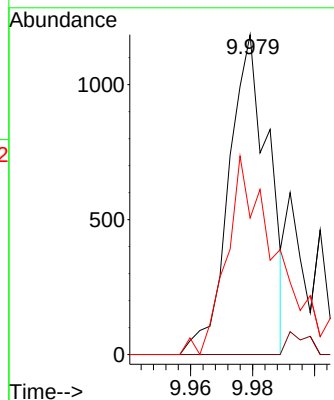
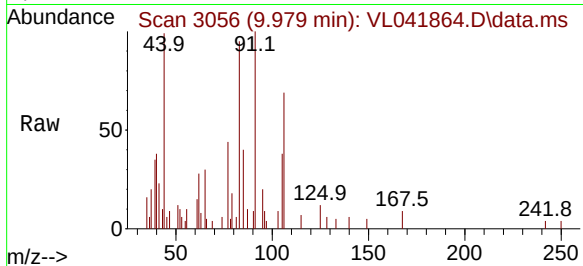




#63
1,1,2,2-Tetrachloroethane
Concen: 0.027 ppbv
RT: 9.979 min Scan# 3058
Delta R.T. -0.006 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

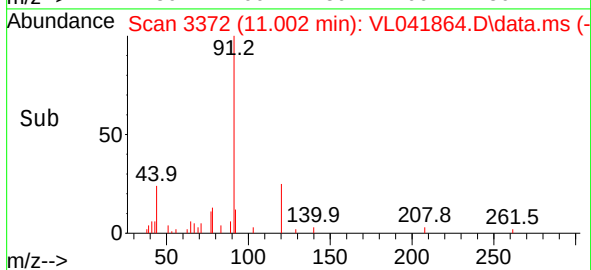
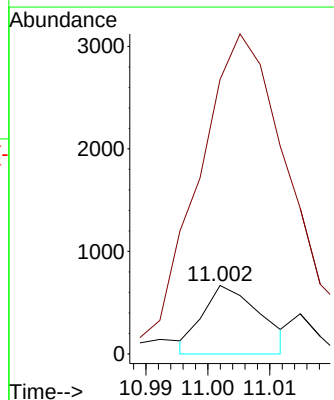
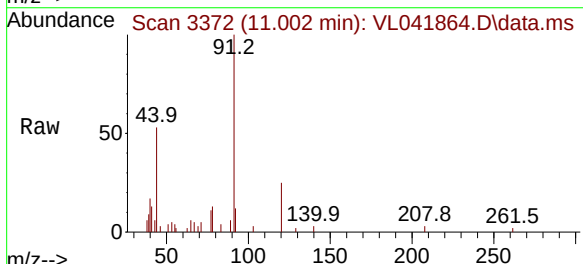
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

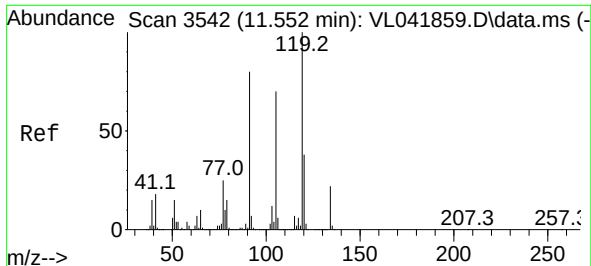
Tgt Ion: 83 Resp: 1052
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.3#
85 80.2 32.1 96.3



#64
n-propylbenzene
Concen: 0.024 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. -0.009 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 120 Resp: 429
Ion Ratio Lower Upper
120 100
91 803.7 376.9 565.3#





#65

tert-Butylbenzene

Concen: 0.050 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

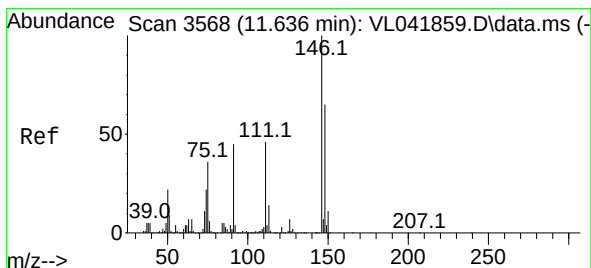
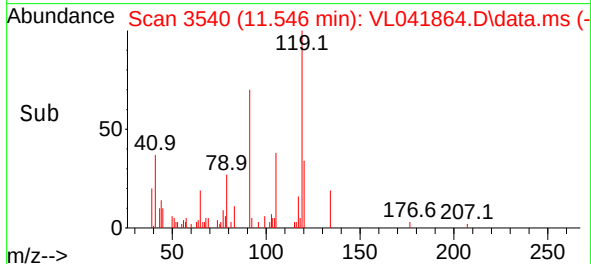
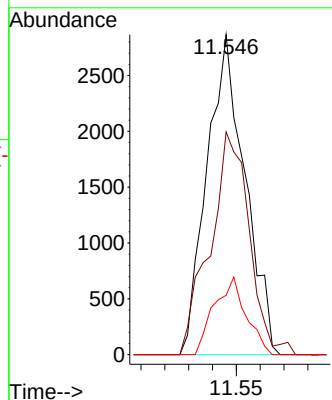
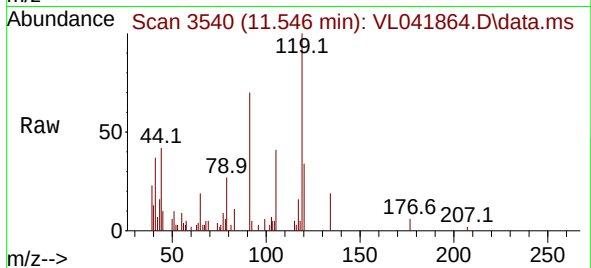
Tgt Ion:119 Resp: 3181

Ion Ratio Lower Upper

119 100

91 71.5 64.6 97.0

134 20.3 16.9 25.3



#66

Benzyl Chloride

Concen: 0.016 ppbv

RT: 11.636 min Scan# 3568

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

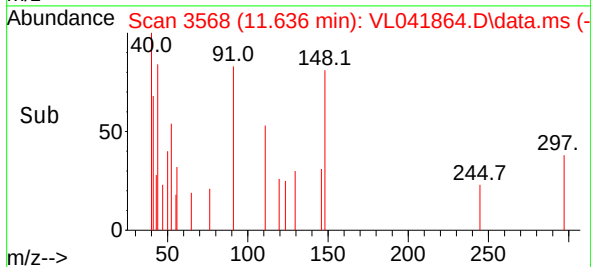
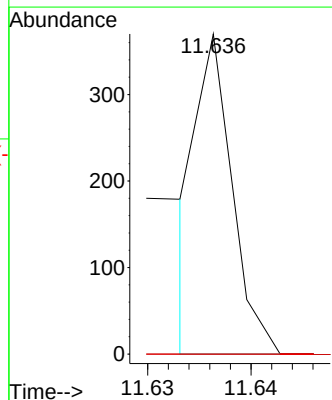
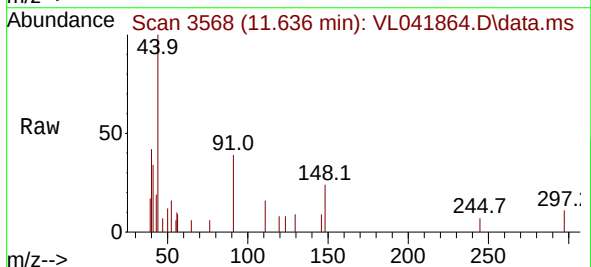
Tgt Ion: 91 Resp: 84

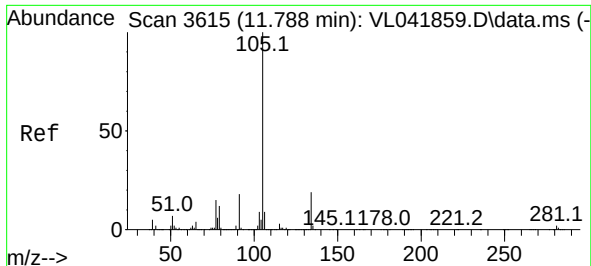
Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.044 ppbv

RT: 11.785 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

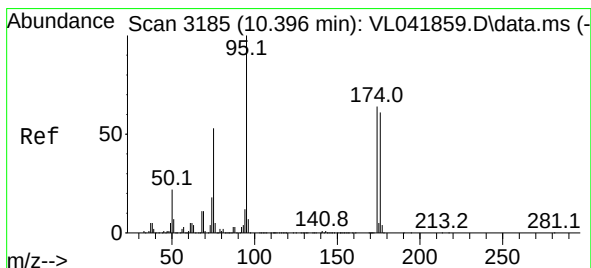
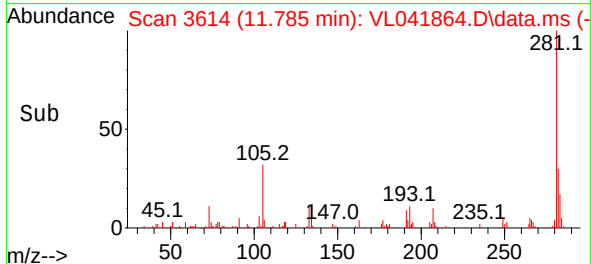
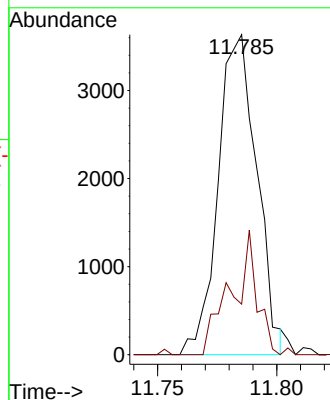
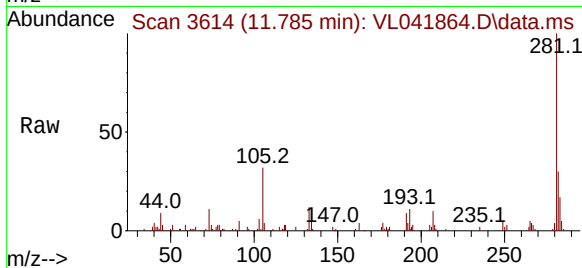
VSTDIC0.03

Tgt Ion:105 Resp: 4095

Ion Ratio Lower Upper

105 100

134 26.2 15.4 23.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.408 ppbv

RT: 10.393 min Scan# 3184

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

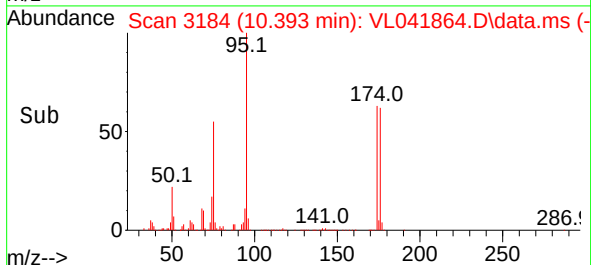
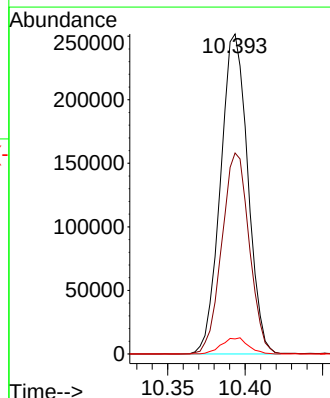
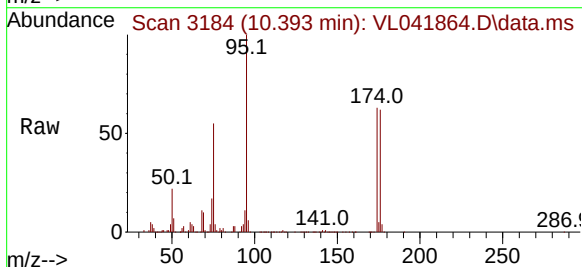
Tgt Ion: 95 Resp: 308087

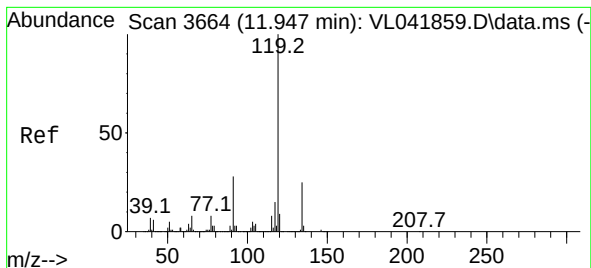
Ion Ratio Lower Upper

95 100

174 63.3 51.1 76.7

175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.047 ppbv

RT: 11.941 min Scan# 3

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.03

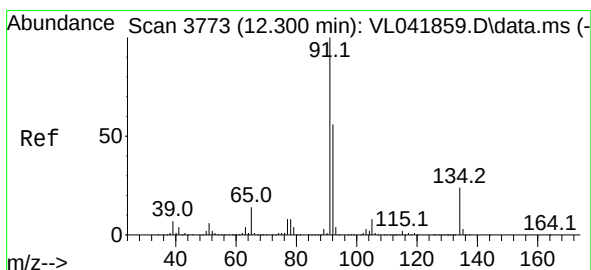
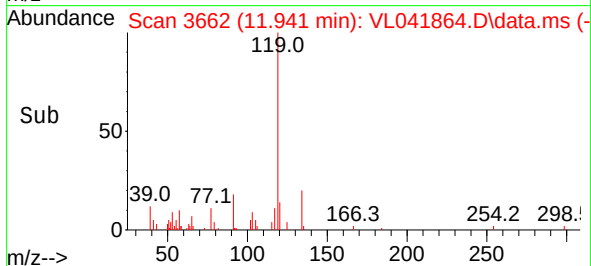
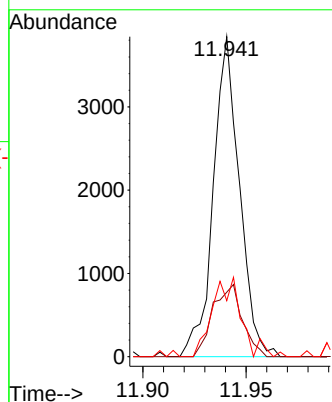
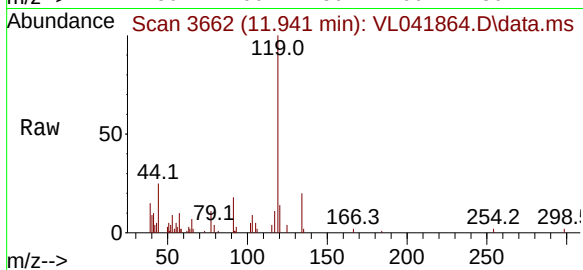
Tgt Ion:119 Resp: 3385

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 28.4 22.6 34.0



#70

n-Butylbenzene

Concen: 0.045 ppbv

RT: 12.297 min Scan# 3772

Delta R.T. -0.003 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

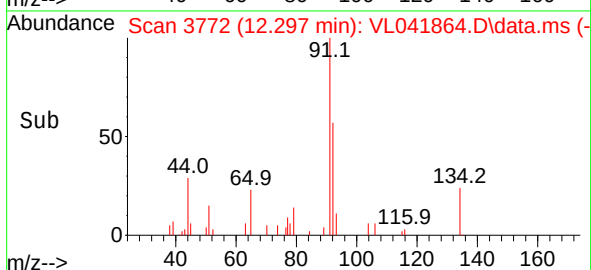
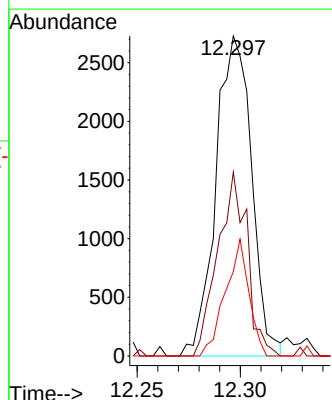
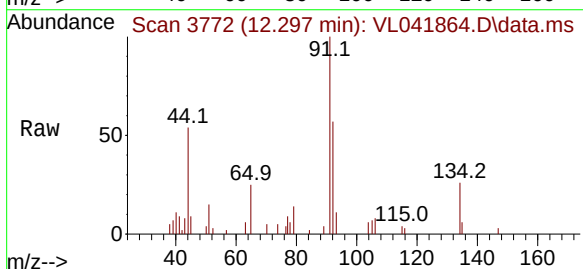
Tgt Ion: 91 Resp: 3278

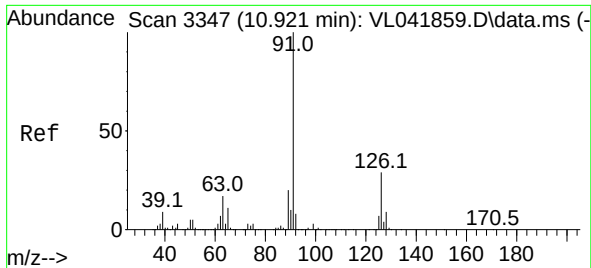
Ion Ratio Lower Upper

91 100

92 47.7 43.8 65.8

134 24.0 19.3 28.9

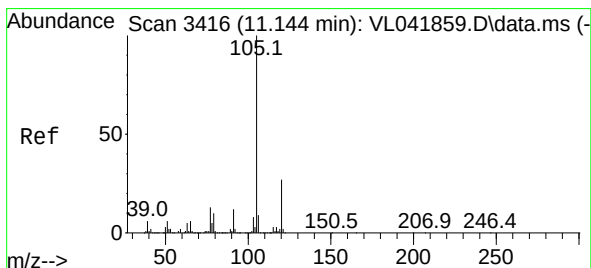
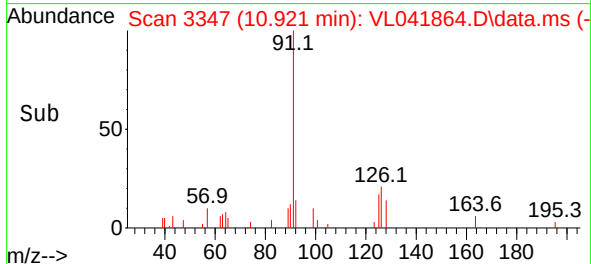
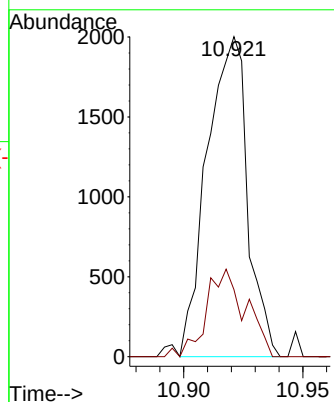
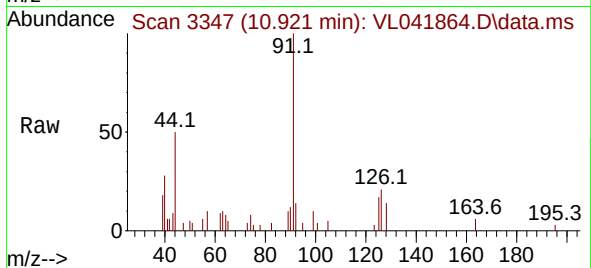




#71
2-Chlorotoluene
Concen: 0.046 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

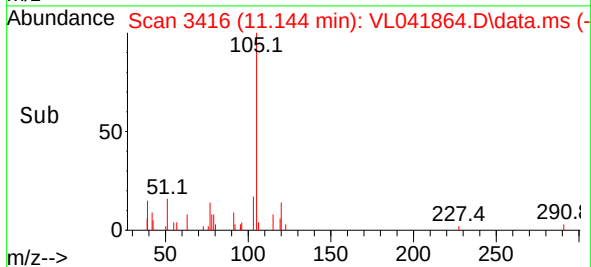
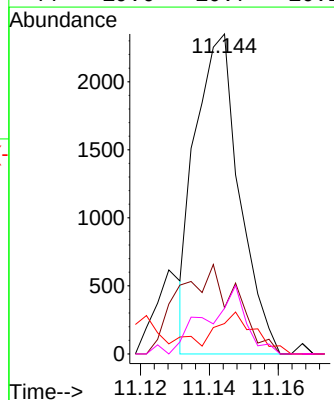
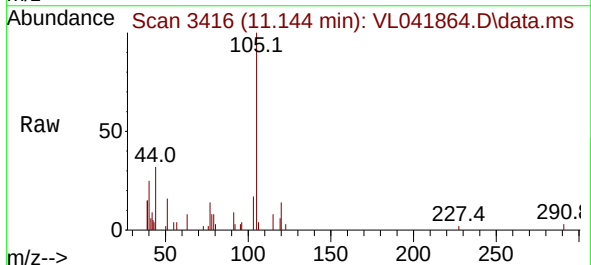
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

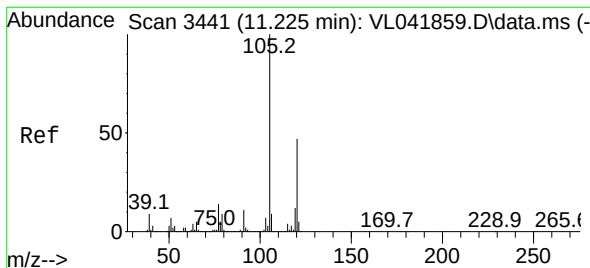
Tgt Ion: 91 Resp: 2364
Ion Ratio Lower Upper
91 100
126 26.6 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.039 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion: 105 Resp: 2091
Ion Ratio Lower Upper
105 100
120 38.4 23.5 35.3#
91 20.8 9.8 14.8#
77 19.6 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.046 ppbv

RT: 11.219 min Scan# 3441

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

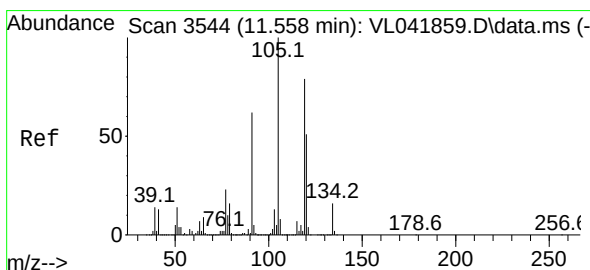
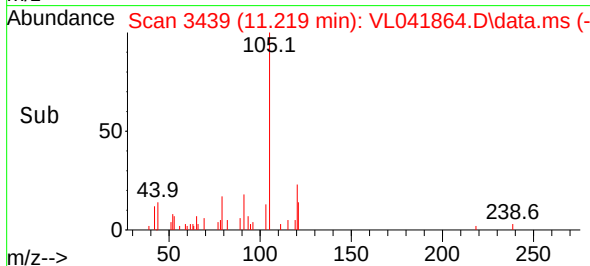
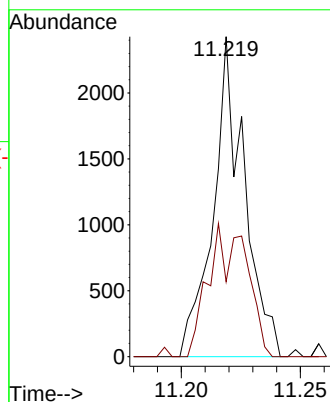
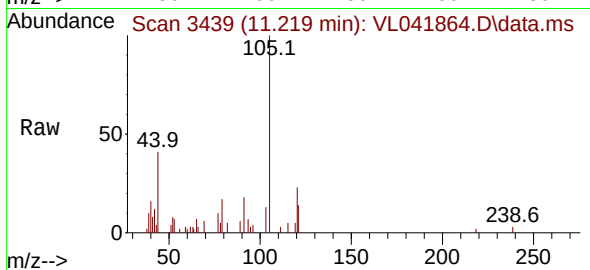
VSTDIC0.03

Tgt Ion:105 Resp: 2195

Ion Ratio Lower Upper

105 100

120 37.0 37.2 55.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.047 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Tgt Ion:105 Resp: 2560

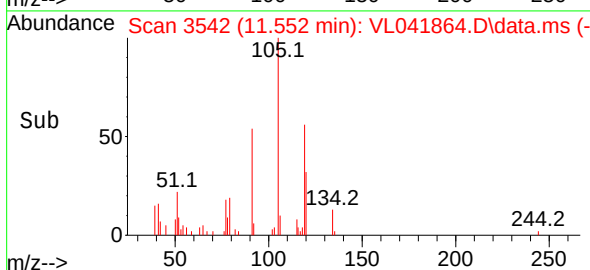
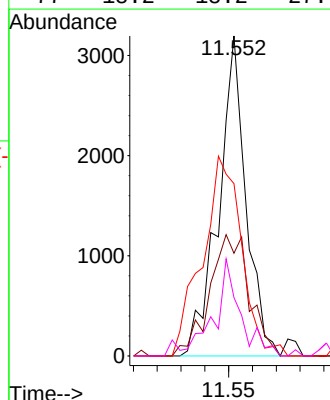
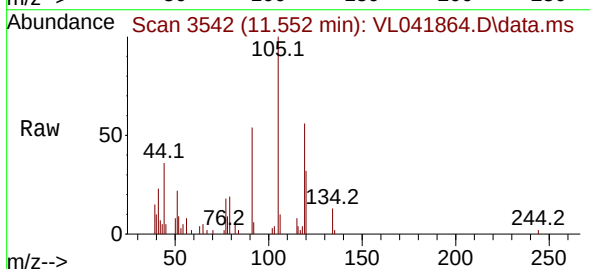
Ion Ratio Lower Upper

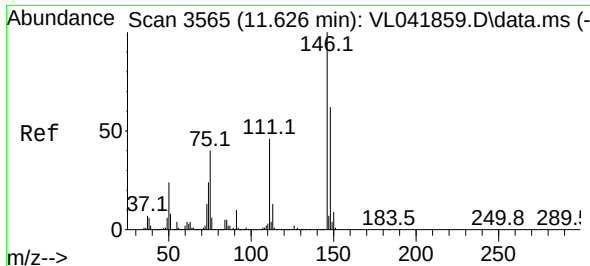
105 100

120 32.1 41.1 61.7#

91 50.4 50.0 75.0

77 18.2 18.2 27.4

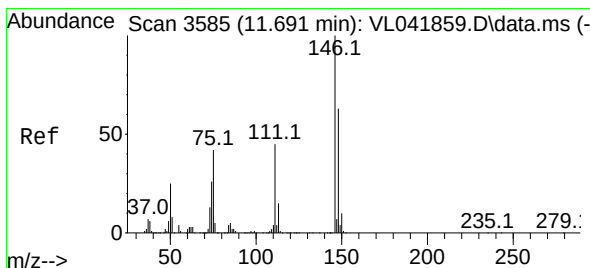
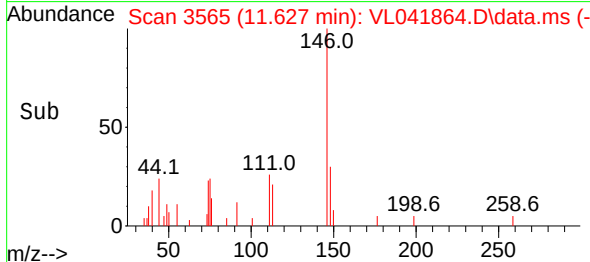
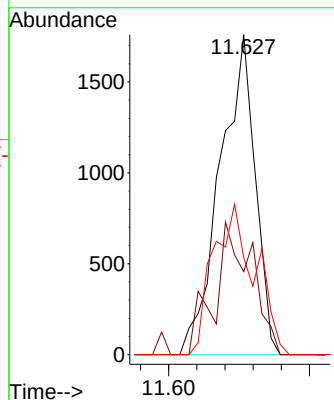
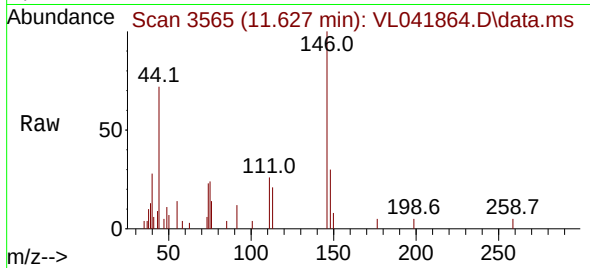




#75
1,3-Dichlorobenzene
Concen: 0.041 ppbv
RT: 11.627 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

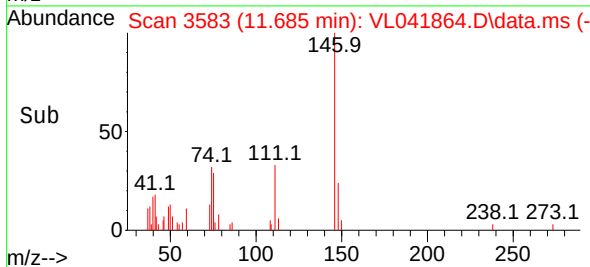
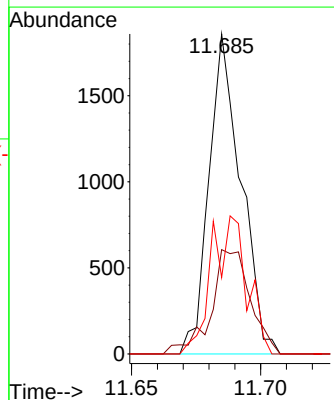
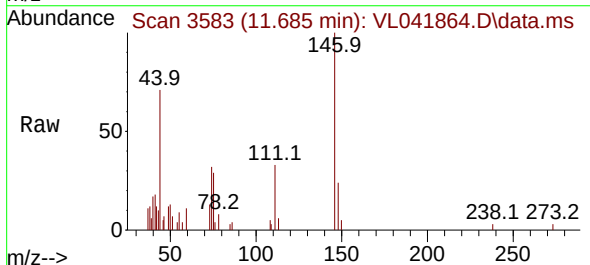
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

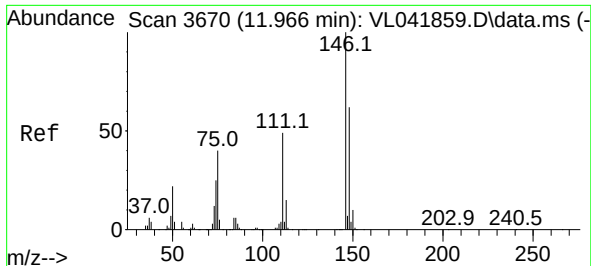
Tgt Ion:146 Resp: 1521
Ion Ratio Lower Upper
146 100
111 46.4 23.2 69.5
148 56.1 31.6 94.7



#76
1,4-Dichlorobenzene
Concen: 0.045 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. -0.006 min
Lab File: VL041864.D
Acq: 09 Jan 2025 13:54

Tgt Ion:146 Resp: 1603
Ion Ratio Lower Upper
146 100
111 39.9 22.1 66.1
148 47.6 31.2 93.6

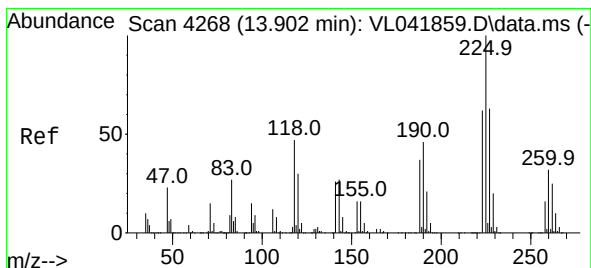
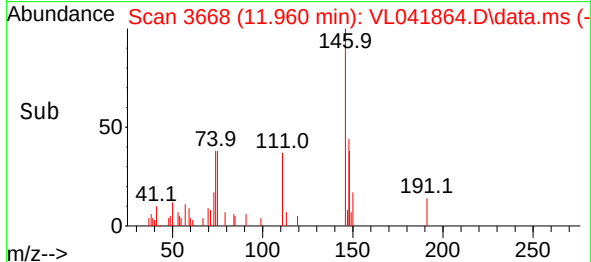
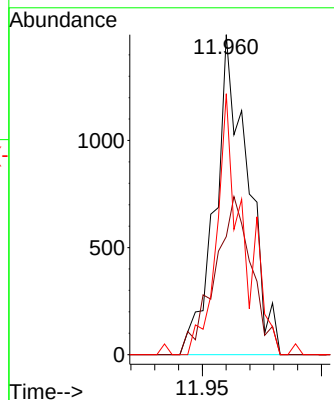
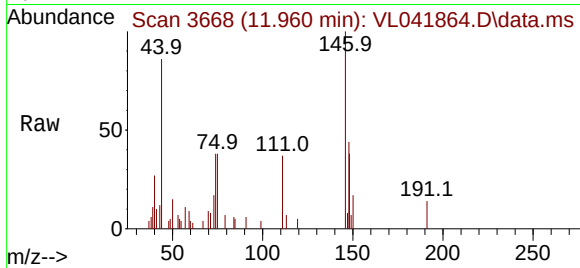




#77
 1,2-Dichlorobenzene
 Concen: 0.037 ppbv
 RT: 11.960 min Scan# 3
 Delta R.T. -0.006 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

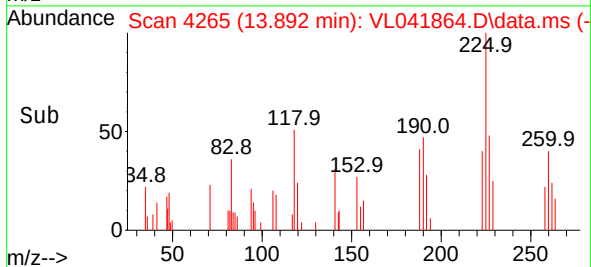
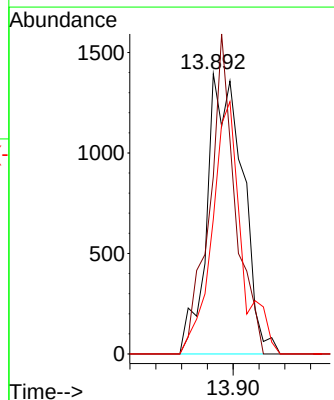
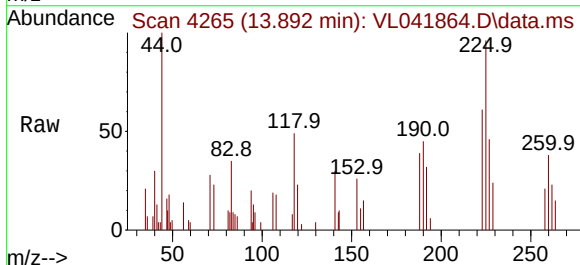
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

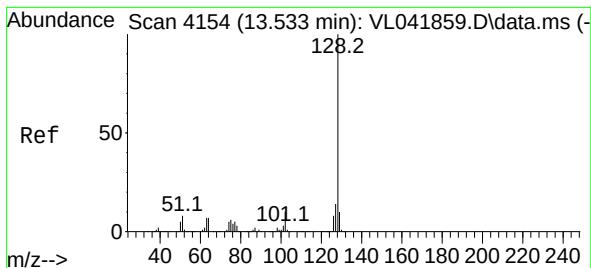
Tgt Ion:146 Resp: 1421
 Ion Ratio Lower Upper
 146 100
 111 56.0 24.1 72.3
 148 68.0 31.5 94.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.050 ppbv
 RT: 13.892 min Scan# 4265
 Delta R.T. -0.009 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Tgt Ion:225 Resp: 1347
 Ion Ratio Lower Upper
 225 100
 223 81.8 50.6 75.8#
 227 73.7 50.9 76.3





#79

Naphthalene

Concen: 0.080 ppbv

RT: 13.527 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

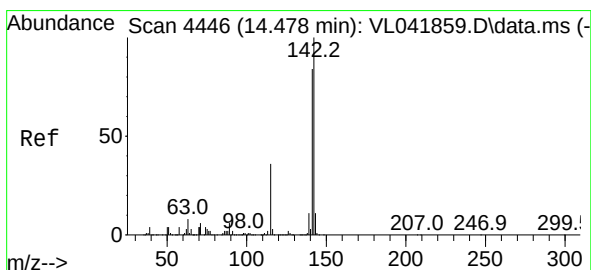
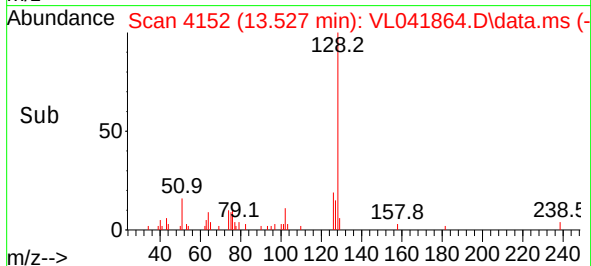
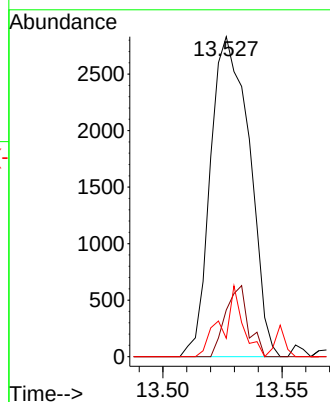
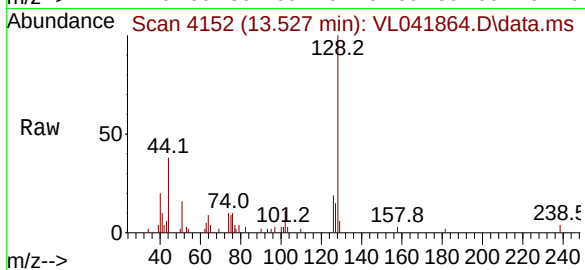
Tgt Ion:128 Resp: 3217

Ion Ratio Lower Upper

128 100

127 14.6 10.8 16.2

129 5.8 8.2 12.4#



#80

Naphthalene,2-methyl-

Concen: 0.114 ppbv

RT: 14.478 min Scan# 4446

Delta R.T. 0.000 min

Lab File: VL041864.D

Acq: 09 Jan 2025 13:54

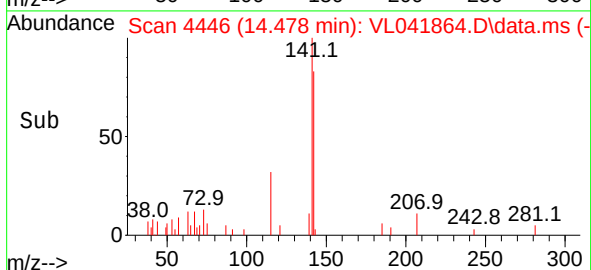
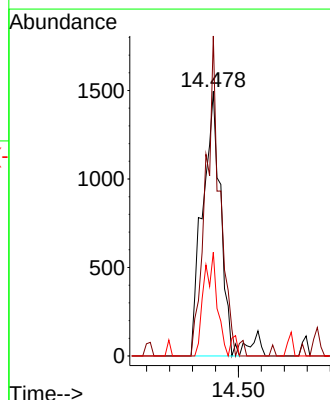
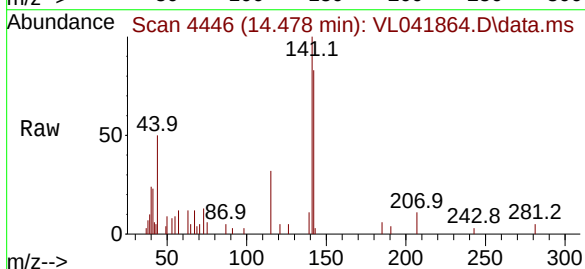
Tgt Ion:142 Resp: 1700

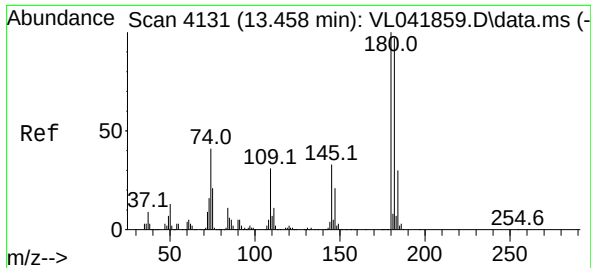
Ion Ratio Lower Upper

142 100

141 92.6 68.2 102.4

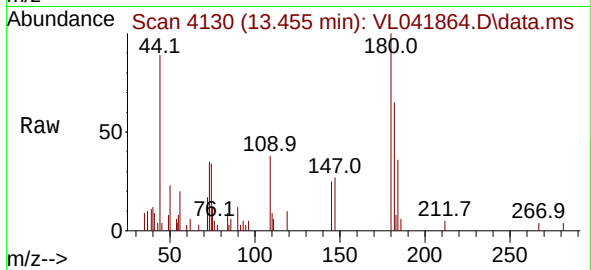
115 31.1 29.4 44.2



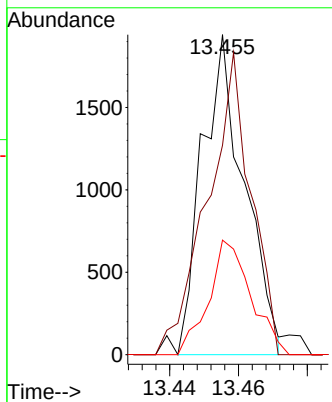
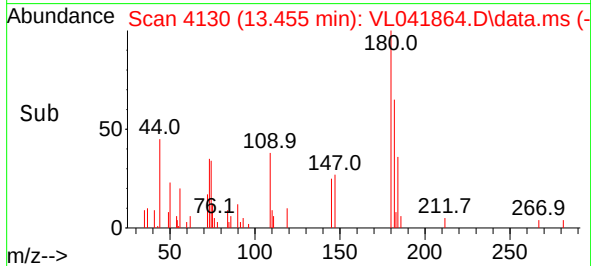


#81
 1,2,4-Trichlorobenzene
 Concen: 0.074 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041864.D
 Acq: 09 Jan 2025 13:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03



Tgt Ion:	180	Resp:	1653
Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.8
184	35.8	24.1	36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041865.D
 Acq On : 09 Jan 2025 14:27
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Jan 10 00:18:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	137279	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	407583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	378604	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	299372	9.232	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	313199	13.904	ppbv	96
3) Chlorodifluoromethane	1.483	51	337088	15.662	ppbv	97
4) Chloromethane	1.538	50	123832	13.369	ppbv	98
5) Vinyl Chloride	1.586	62	121286	12.983	ppbv	98
6) Bromomethane	1.674	94	60238	15.053	ppbv	96
7) Chloroethane	1.713	64	50126	13.938	ppbv	95
8) Dichlorotetrafluoroethane	1.560	85	278524	14.332	ppbv	99
9) Propene	1.489	41	153753	20.521	ppbv	99
10) Heptane	5.007	43	414222	22.380	ppbv	100
11) Trichlorofluoromethane	1.887	101	330865	14.446	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.149	101	265740	15.579	ppbv	97
13) Ethanol	1.729	45	6979	7.090	ppbv	92
14) Bromoethene	1.790	108	96283	17.241	ppbv	98
15) Acetone	1.842	43	266190	10.532	ppbv	99
16) 1,3-Butadiene	1.615	39	126652	12.779	ppbv	98
17) tert-Butyl alcohol	2.049	59	359488	16.415	ppbv	99
18) 1,1-Dichloroethene	2.043	96	119220	16.693	ppbv	99
19) Isopropyl Alcohol	1.894	45	160227	13.505	ppbv	100
20) Methylene Chloride	2.072	84	99639	13.790	ppbv	95
21) Allyl Chloride	2.107	41	206645	15.872	ppbv	100
22) trans-1,2-Dichloroethene	2.353	96	135232	16.942	ppbv	98
23) Vinyl Acetate	2.476	43	172469	21.940	ppbv	98
24) 1,1-Dichloroethane	2.421	63	258532	14.799	ppbv	98
25) Ethyl Acetate	2.852	43	804978	18.993	ppbv	99
26) Hexane	2.842	57	323683	22.004	ppbv	99
27) Carbon Disulfide	2.162	76	327476	23.457	ppbv	96
28) Methyl tert-Butyl Ether	2.454	73	238377	21.502	ppbv	100
29) Chloroform	2.865	83	453699	16.603	ppbv	99
30) Cyclohexane	3.878	84	283640	25.428	ppbv	99
31) cis-1,2-Dichloroethene	2.735	61	319115	21.076	ppbv	98
32) 1,1,1-Trichloroethane	3.389	97	467121	18.862	ppbv	99
34) 2-Butanone	2.570	43	467080	14.548	ppbv	99
35) Carbon Tetrachloride	3.784	117	460791	14.959	ppbv	95
36) Benzene	3.677	78	663984	17.053	ppbv	99
37) 1,2-Dichloroethane	3.237	62	353759	13.820	ppbv	99
38) Trichloroethene	4.577	130	262977	17.563	ppbv	96
39) 1,2-Dichloropropane	4.341	63	238460	15.832	ppbv	96
40) 1,4-Dioxane	4.609	88	117449	20.147	ppbv #	90
41) Tetrahydrofuran	3.072	42	273858	18.107	ppbv	99
42) Bromodichloromethane	4.515	83	507098	16.892	ppbv	97
43) Methyl Methacrylate	4.910	69	276446	22.609	ppbv	99
44) 2,2,4-Trimethylpentane	4.668	57	1112501	17.341	ppbv	100
45) t-1,3-Dichloropropene	6.448	75	290137	24.306	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041865.D
 Acq On : 09 Jan 2025 14:27
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

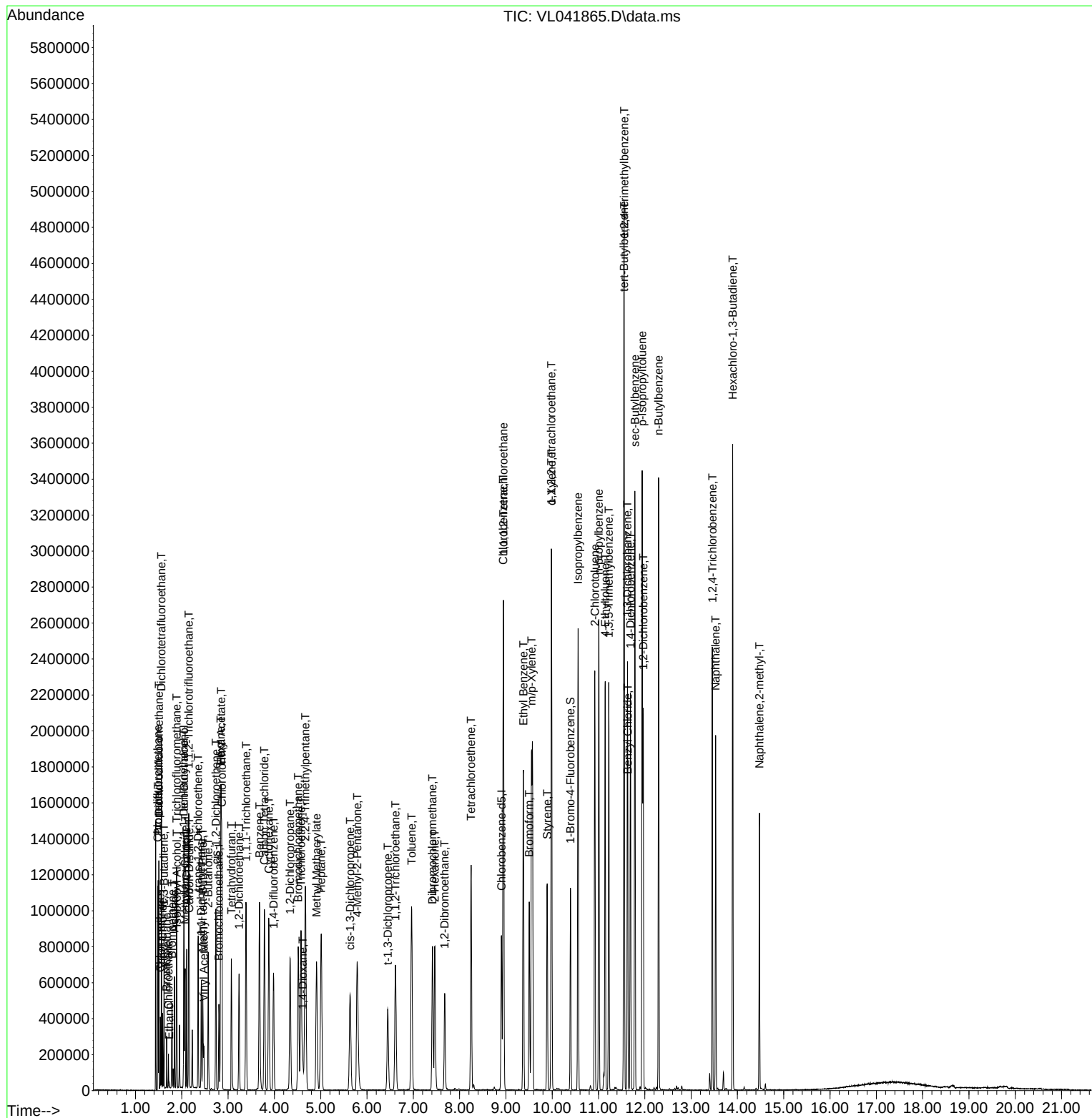
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

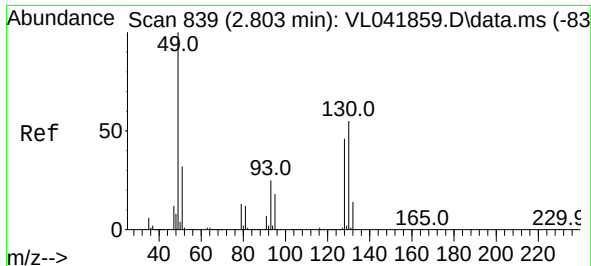
Quant Time: Jan 10 00:18:40 2025
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	370479	23.570	ppbv	97
47) 1,1,2-Trichloroethane	6.616	97	252224	15.853	ppbv	98
48) Dibromochloromethane	7.412	129	408959	20.167	ppbv	100
49) Bromoform	9.503	173	362905	22.331	ppbv	98
50) 4-Methyl-2-Pentanone	5.787	43	680330	18.323	ppbv	100
51) 2-Hexanone	7.461	43	557793	19.852	ppbv #	99
52) Tetrachloroethene	8.247	164	233663	20.239	ppbv	98
53) Toluene	6.966	91	796461	22.983	ppbv	100
54) 1,2-Dibromoethane	7.678	107	353045	18.098	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.946	131	318489	14.760	ppbv	98
57) Chlorobenzene	8.943	112	578775	14.632	ppbv	96
58) Ethyl Benzene	9.377	91	1081235	20.954	ppbv	99
59) m/p-Xylene	9.555	91	858880	18.893	ppbv #	100
60) o-Xylene	9.985	91	840494	18.971	ppbv	99
61) Styrene	9.892	104	431280	25.091	ppbv	98
62) Isopropylbenzene	10.558	105	1247161	17.917	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	496124	12.770	ppbv	100
64) n-propylbenzene	11.008	120	326937	18.308	ppbv	92
65) tert-Butylbenzene	11.549	119	1082296	17.255	ppbv	99
66) Benzyl Chloride	11.633	91	113138	21.533	ppbv	99
67) sec-Butylbenzene	11.785	105	1472665	16.090	ppbv	99
69) p-Isopropyltoluene	11.944	119	1277666	17.781	ppbv	99
70) n-Butylbenzene	12.300	91	1262477	17.488	ppbv	98
71) 2-Chlorotoluene	10.921	91	958596	18.973	ppbv	100
72) 4-Ethyltoluene	11.144	105	1009262	18.837	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	866209	18.459	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	905561	16.660	ppbv	96
75) 1,3-Dichlorobenzene	11.626	146	550141	15.122	ppbv	100
76) 1,4-Dichlorobenzene	11.688	146	550306	15.719	ppbv	99
77) 1,2-Dichlorobenzene	11.966	146	519421	13.701	ppbv	100
78) Hexachloro-1,3-Butadiene	13.898	225	411642	15.294	ppbv	99
79) Naphthalene	13.529	128	896443	22.388	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	443159	29.902	ppbv	99
81) 1,2,4-Trichlorobenzene	13.458	180	436412	19.665	ppbv	99

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

Quant Time: Jan 10 00:18:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

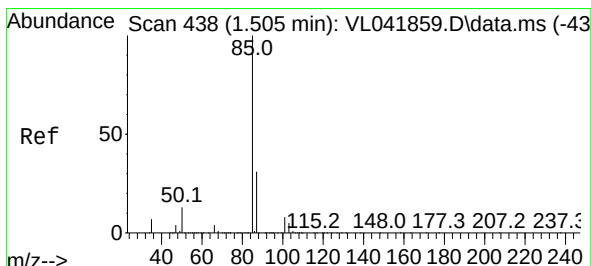
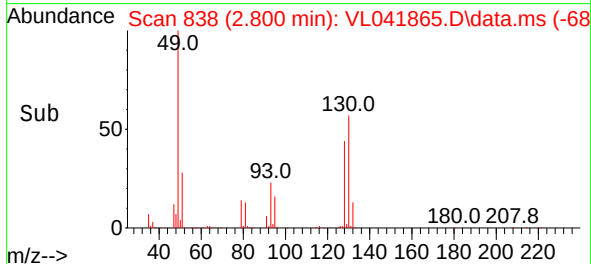
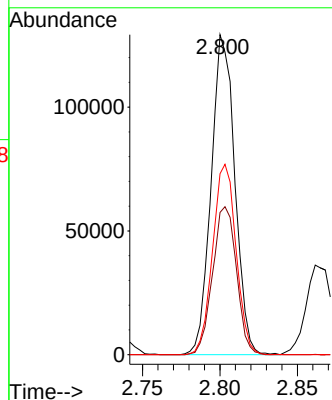
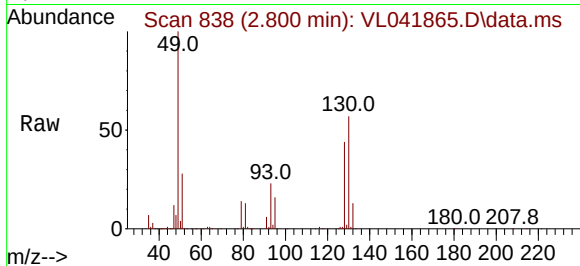




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 839
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

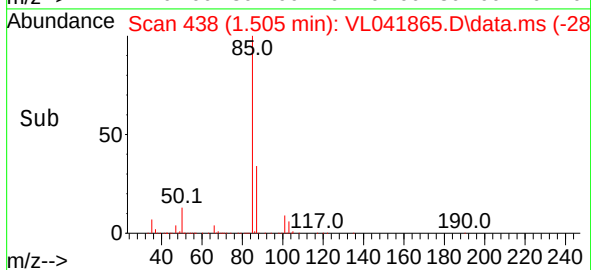
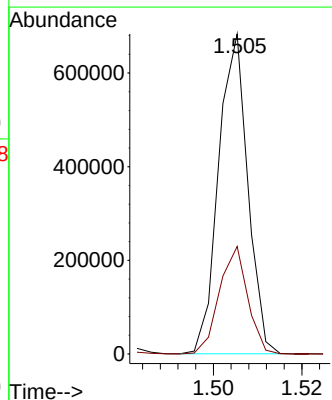
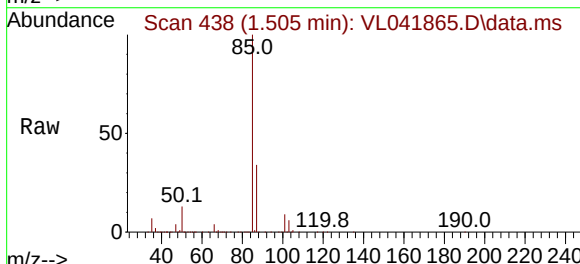
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

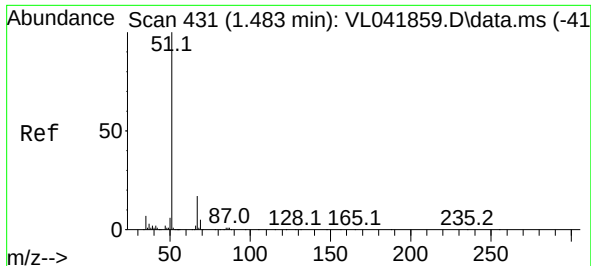
Tgt Ion: 49 Resp: 137279
Ion Ratio Lower Upper
49 100
128 46.6 23.2 69.5
130 59.0 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 13.904 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 85 Resp: 313199
Ion Ratio Lower Upper
85 100
87 33.6 25.2 37.8

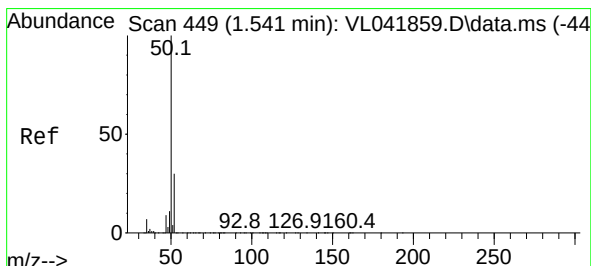
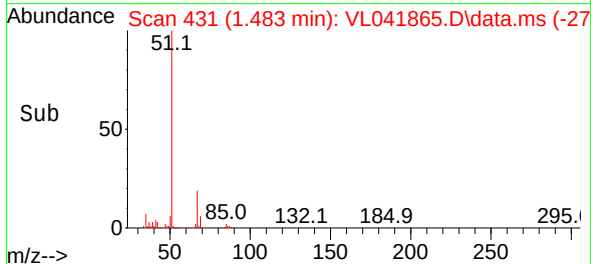
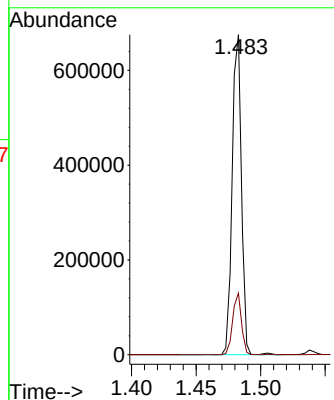
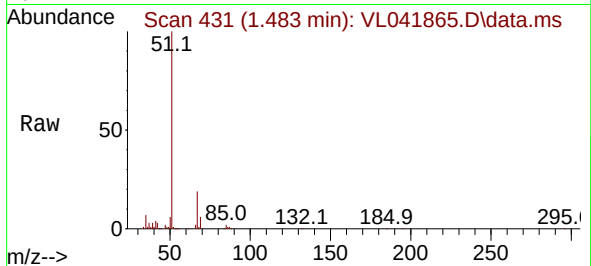




#3
Chlorodifluoromethane
Concen: 15.662 ppbv
RT: 1.483 min Scan# 431
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

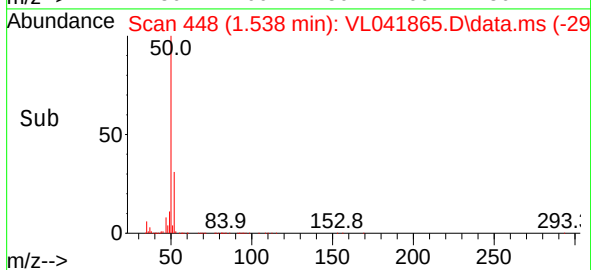
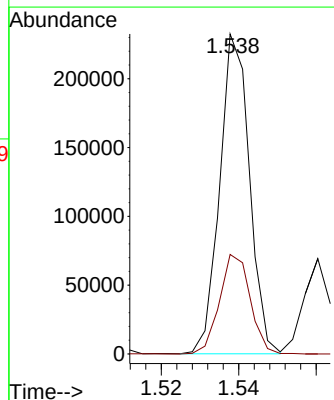
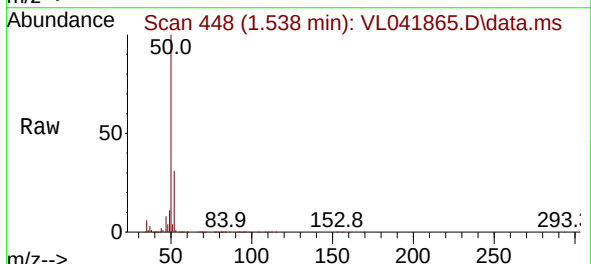
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

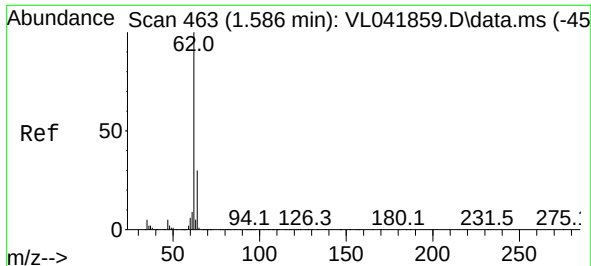
Tgt Ion: 51 Resp: 337088
Ion Ratio Lower Upper
51 100
67 18.4 13.8 20.8



#4
Chloromethane
Concen: 13.369 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 50 Resp: 123832
Ion Ratio Lower Upper
50 100
52 31.1 23.9 35.9

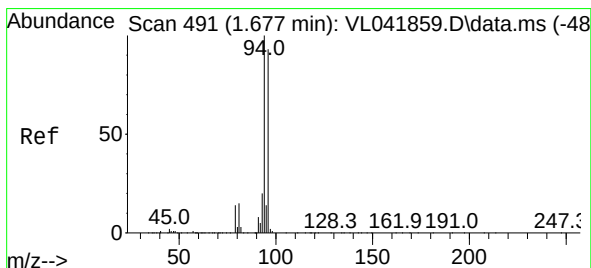
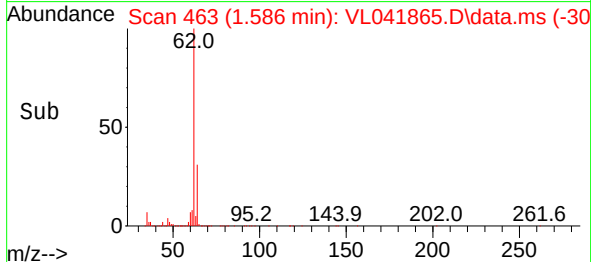
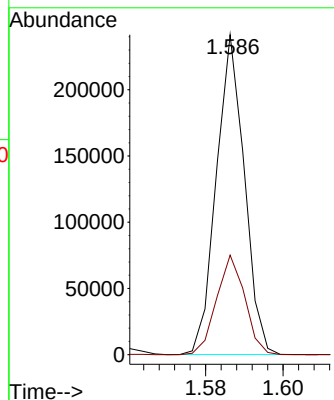
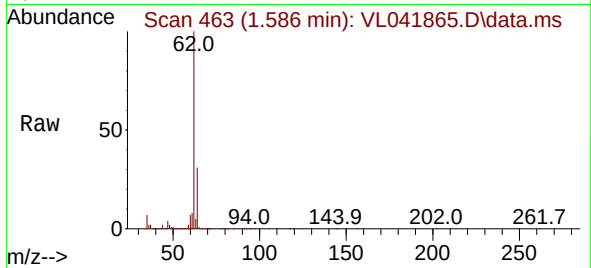




#5
 Vinyl Chloride
 Concen: 12.983 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

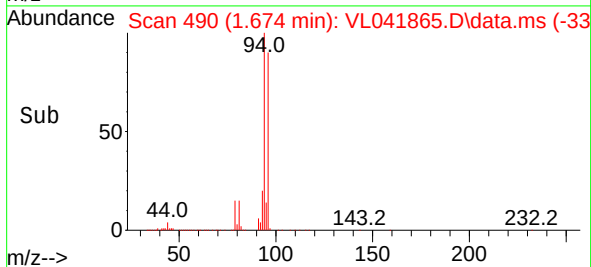
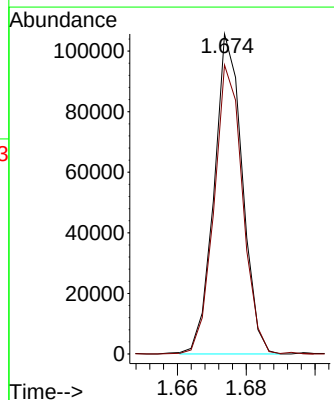
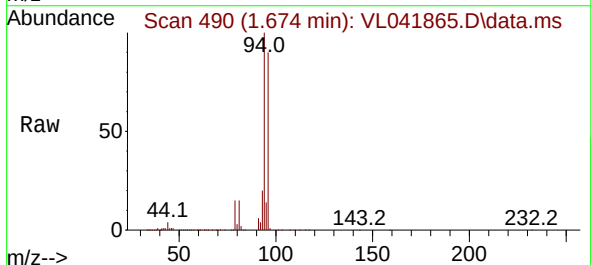
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

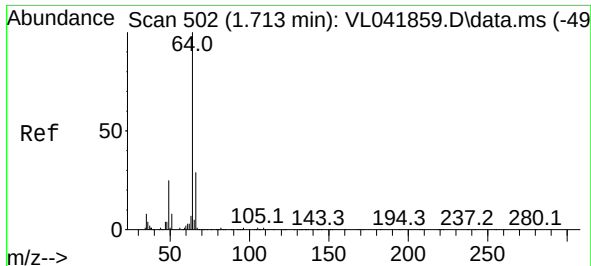
Tgt Ion: 62 Resp: 121286
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.1 36.1



#6
 Bromomethane
 Concen: 15.053 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Tgt Ion: 94 Resp: 60238
 Ion Ratio Lower Upper
 94 100
 96 90.1 74.8 112.2

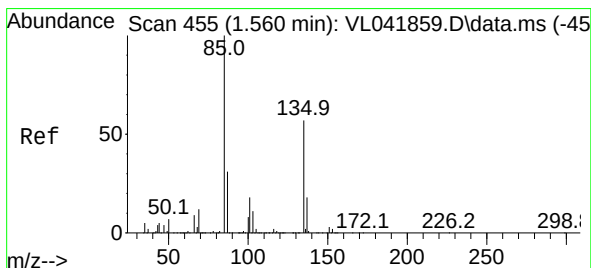
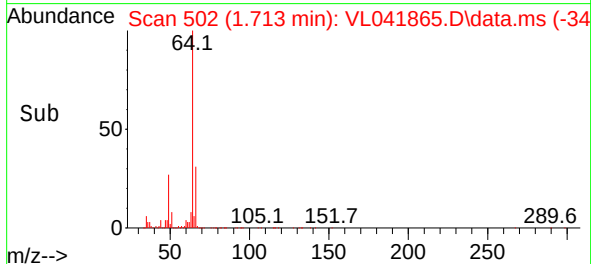
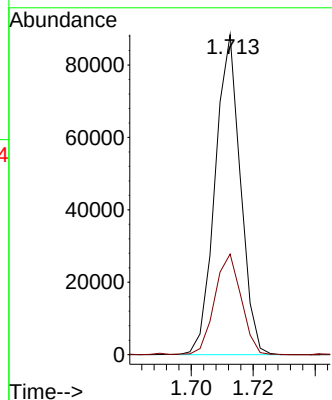
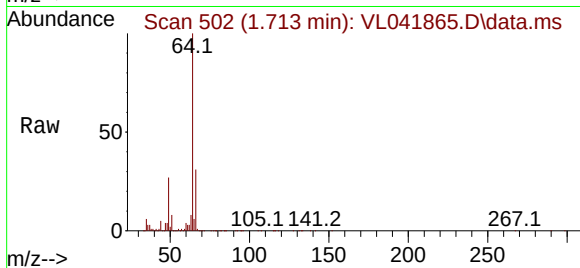




#7
Chloroethane
Concen: 13.938 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

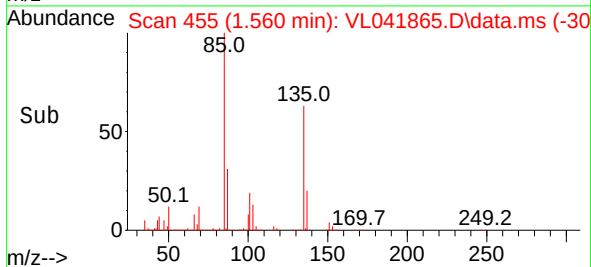
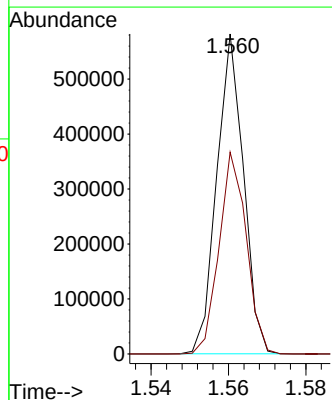
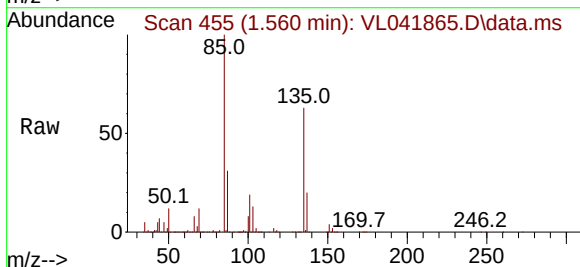
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

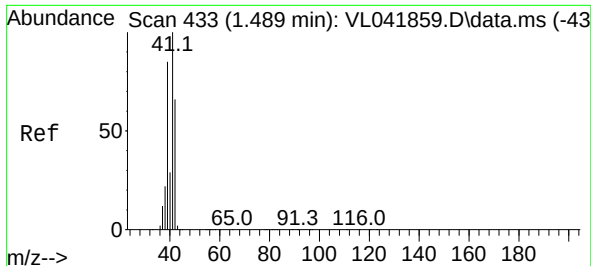
Tgt Ion: 64 Resp: 50126
Ion Ratio Lower Upper
64 100
66 31.5 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 14.332 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 85 Resp: 278524
Ion Ratio Lower Upper
85 100
135 64.6 52.2 78.4





#9

Propene

Concen: 20.521 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

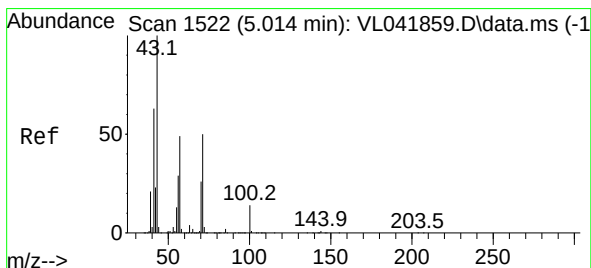
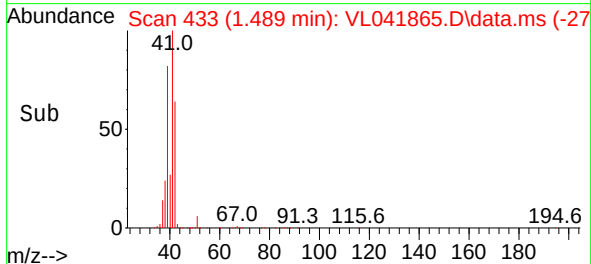
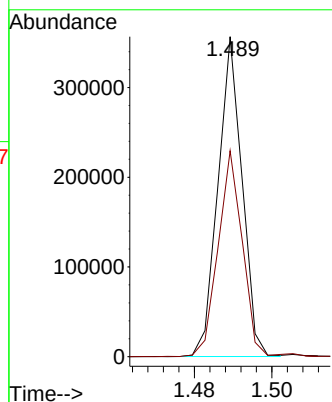
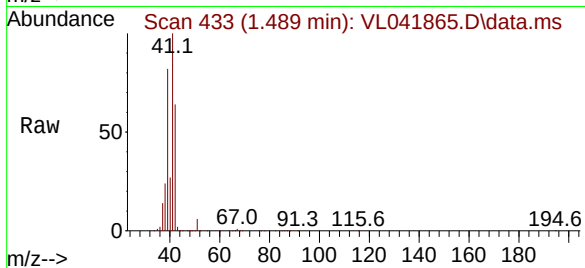
VSTDIC015

Tgt Ion: 41 Resp: 153753

Ion Ratio Lower Upper

41 100

42 65.7 53.0 79.6



#10

Heptane

Concen: 22.380 ppbv

RT: 5.007 min Scan# 1520

Delta R.T. -0.006 min

Lab File: VL041865.D

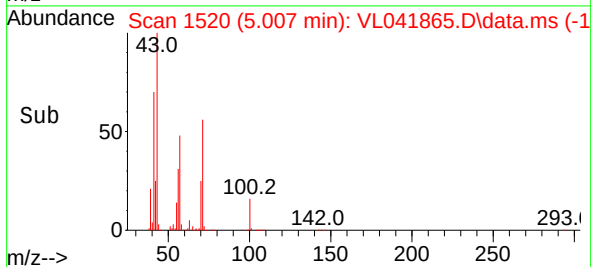
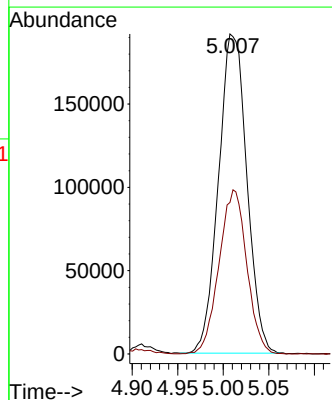
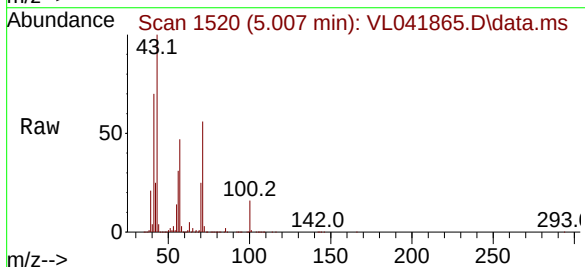
Acq: 09 Jan 2025 14:27

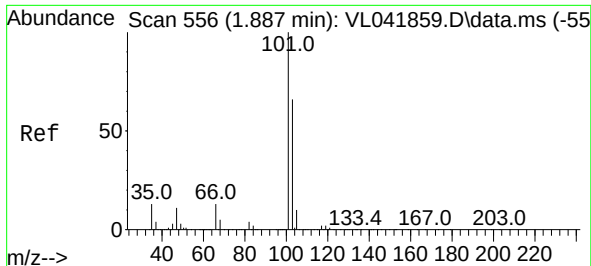
Tgt Ion: 43 Resp: 414222

Ion Ratio Lower Upper

43 100

57 50.4 40.2 60.2





#11

Trichlorofluoromethane

Concen: 14.446 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

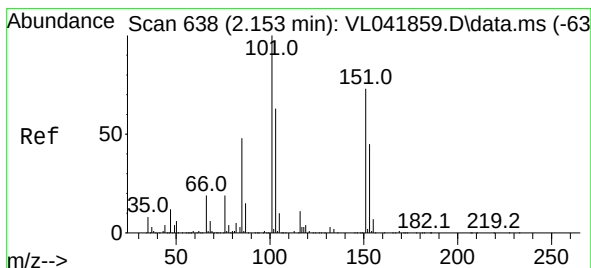
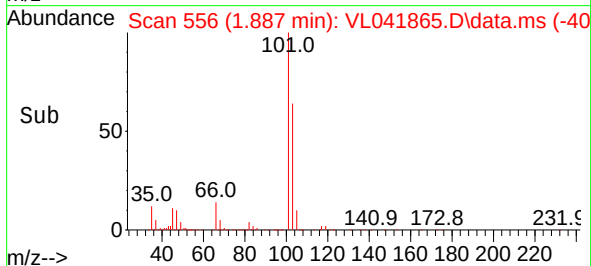
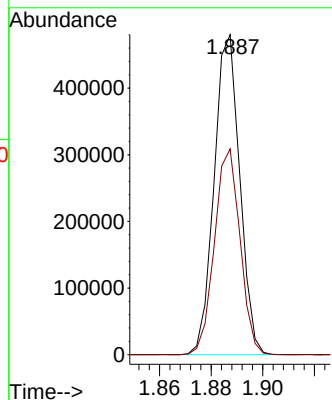
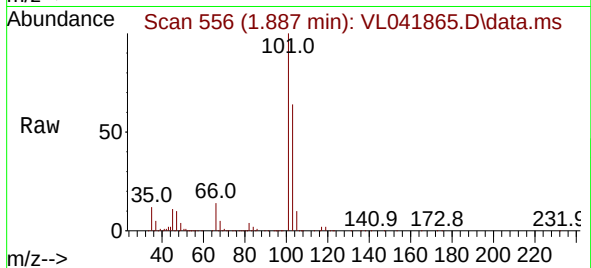
VSTDIC015

Tgt Ion:101 Resp: 330865

Ion Ratio Lower Upper

101 100

103 64.3 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 15.579 ppbv

RT: 2.149 min Scan# 637

Delta R.T. -0.003 min

Lab File: VL041865.D

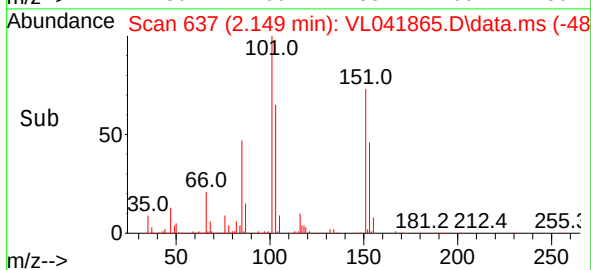
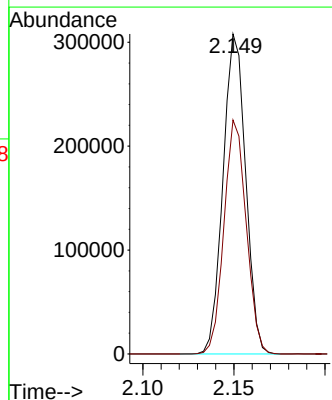
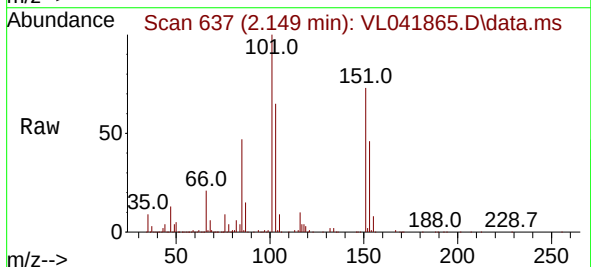
Acq: 09 Jan 2025 14:27

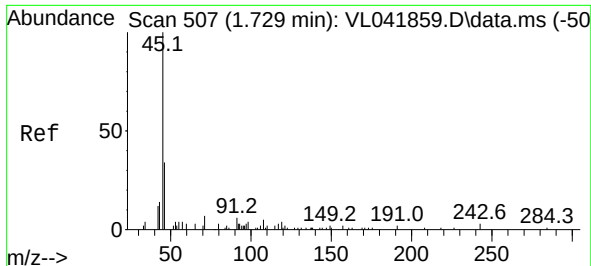
Tgt Ion:101 Resp: 265740

Ion Ratio Lower Upper

101 100

151 71.9 59.4 89.0





#13

Ethanol

Concen: 7.090 ppbv

RT: 1.729 min Scan# 507

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

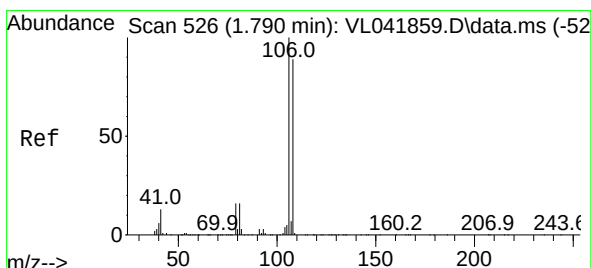
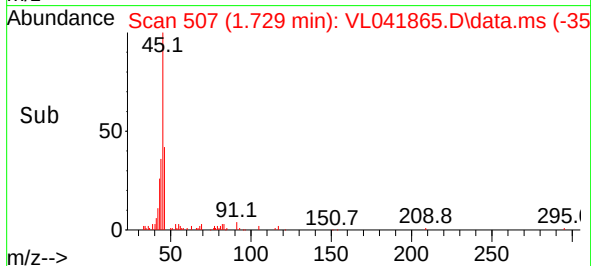
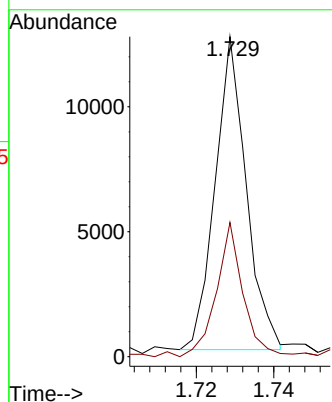
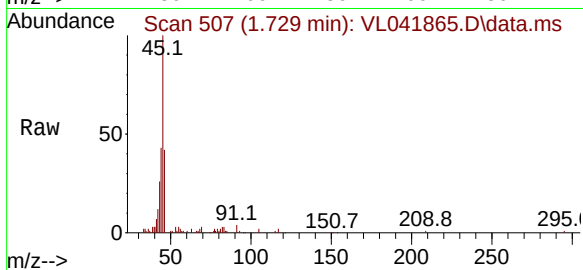
VSTDIC015

Tgt Ion: 45 Resp: 6979

Ion Ratio Lower Upper

45 100

46 41.8 19.0 76.0



#14

Bromoethene

Concen: 17.241 ppbv

RT: 1.790 min Scan# 526

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

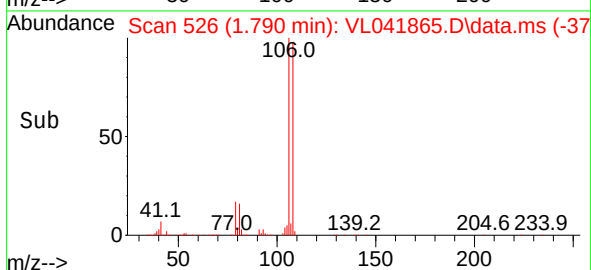
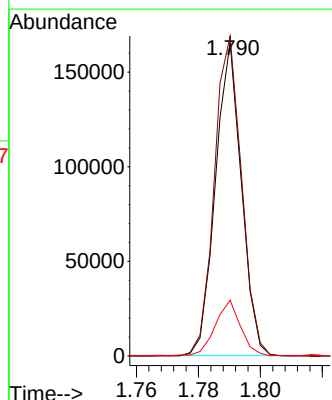
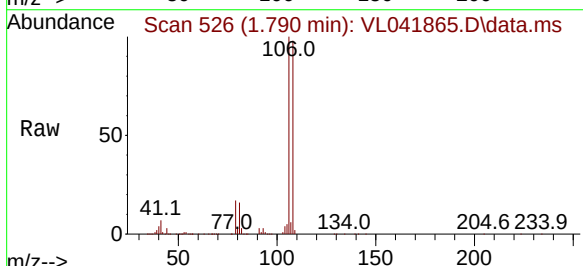
Tgt Ion: 108 Resp: 96283

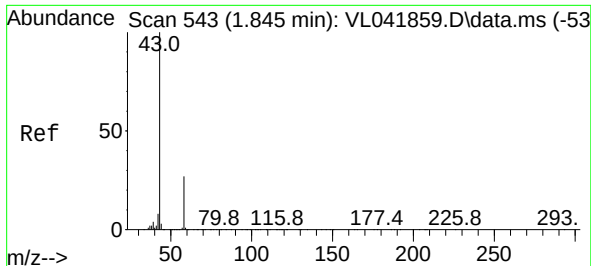
Ion Ratio Lower Upper

108 100

106 107.2 86.9 130.3

79 17.7 15.6 23.4

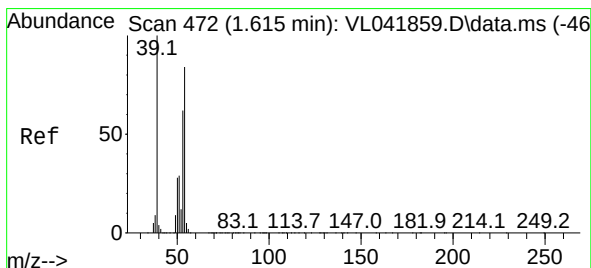
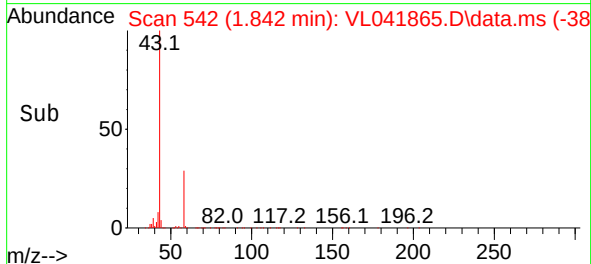
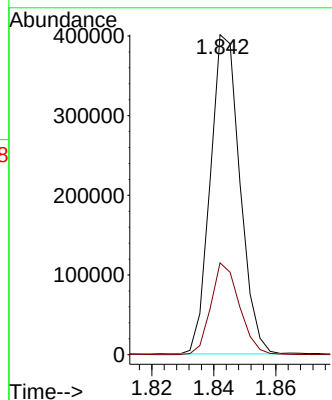
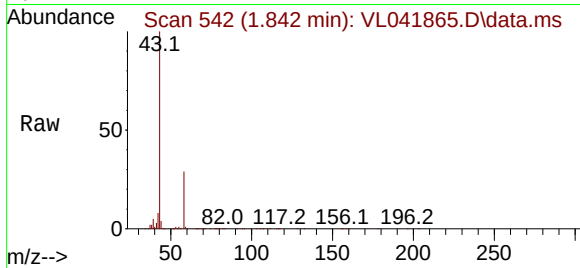




#15
Acetone
Concen: 10.532 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

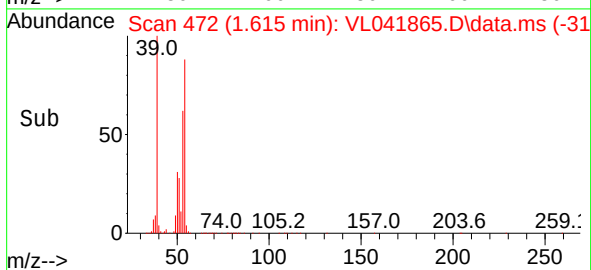
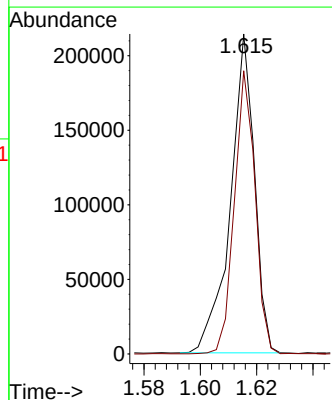
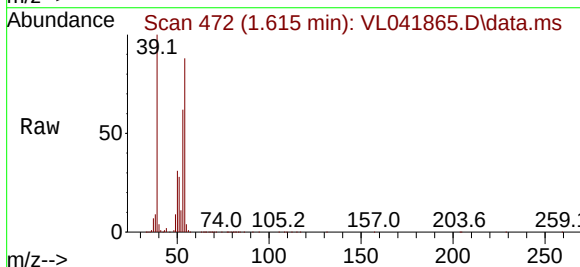
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

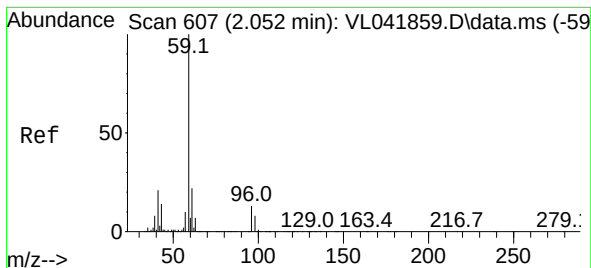
Tgt Ion: 43 Resp: 266190
Ion Ratio Lower Upper
43 100
58 27.9 22.7 34.1



#16
1,3-Butadiene
Concen: 12.779 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 39 Resp: 126652
Ion Ratio Lower Upper
39 100
54 76.8 60.1 90.1





#17

tert-Butyl alcohol

Concen: 16.415 ppbv

RT: 2.049 min Scan# 606

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

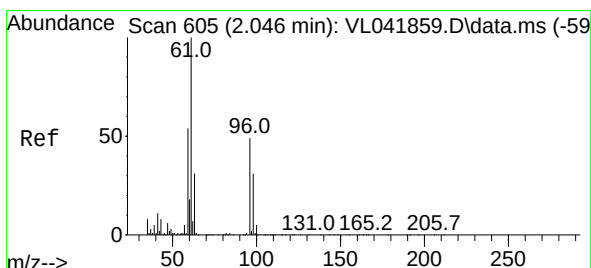
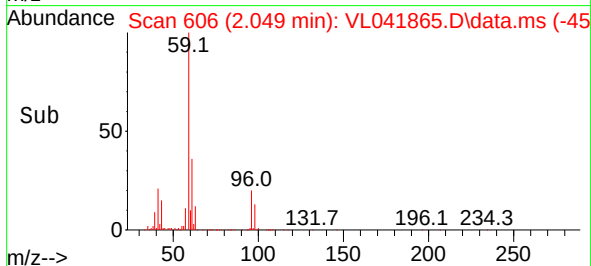
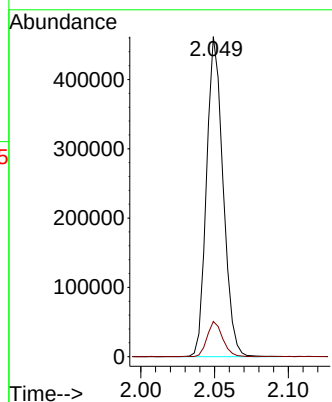
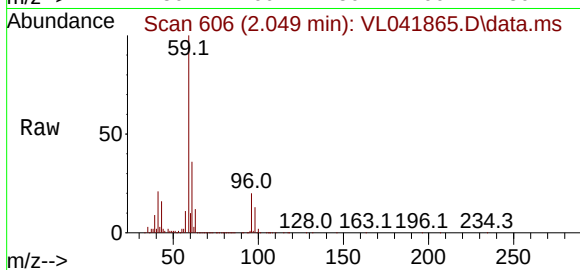
VSTDIC015

Tgt Ion: 59 Resp: 359488

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.4



#18

1,1-Dichloroethene

Concen: 16.693 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

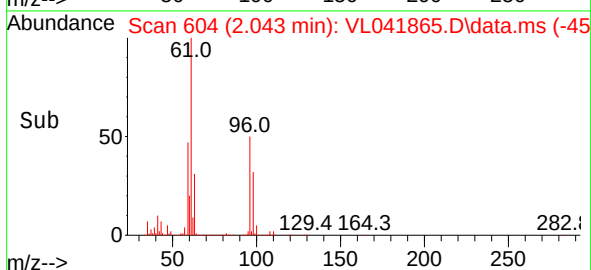
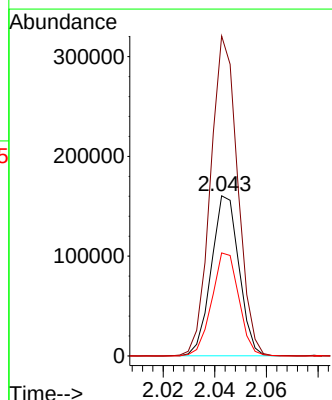
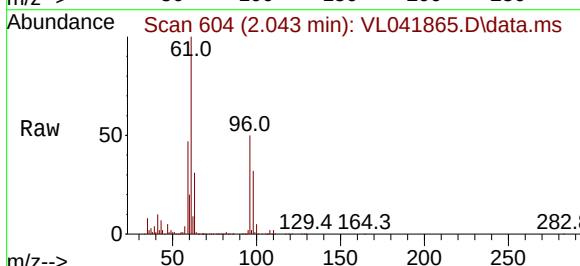
Tgt Ion: 96 Resp: 119220

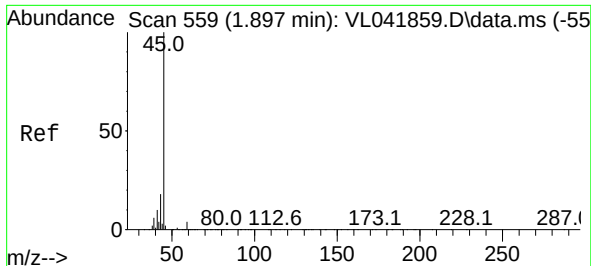
Ion Ratio Lower Upper

96 100

61 200.1 161.7 242.5

98 64.4 51.0 76.4





#19

Isopropyl Alcohol

Concen: 13.505 ppbv

RT: 1.894 min Scan# 559

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

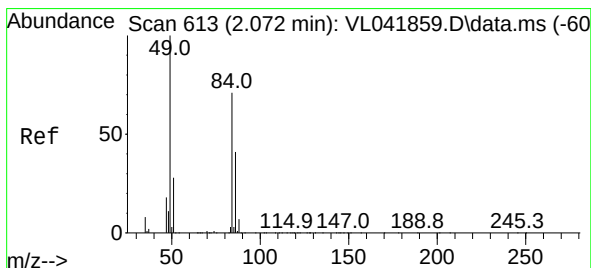
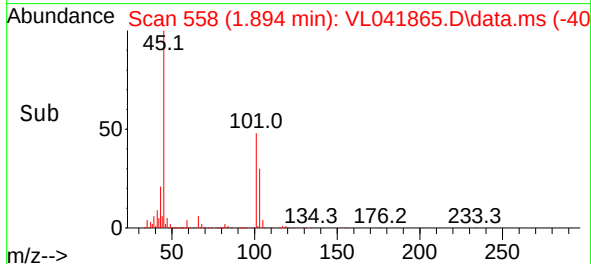
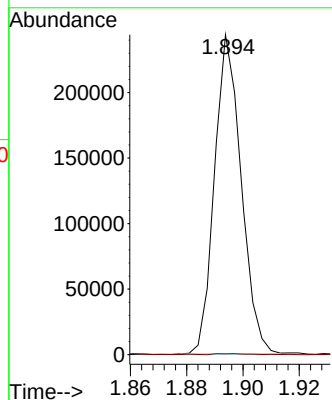
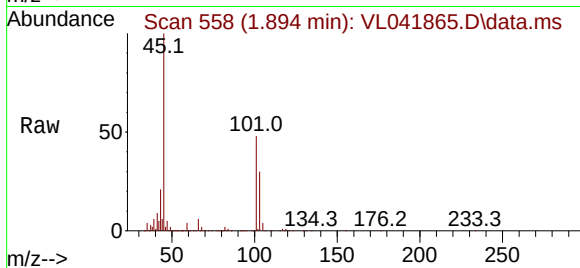
VSTDIC015

Tgt Ion: 45 Resp: 160227

Ion Ratio Lower Upper

45 100

58 46.2 37.0 55.6



#20

Methylene Chloride

Concen: 13.790 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion: 84 Resp: 99639

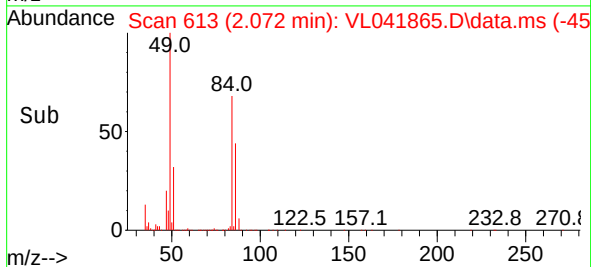
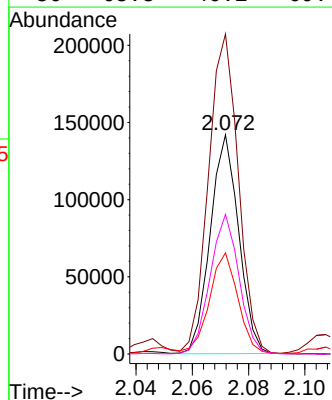
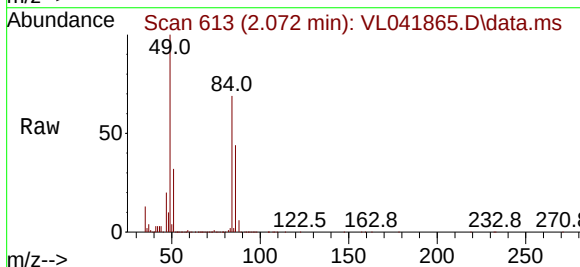
Ion Ratio Lower Upper

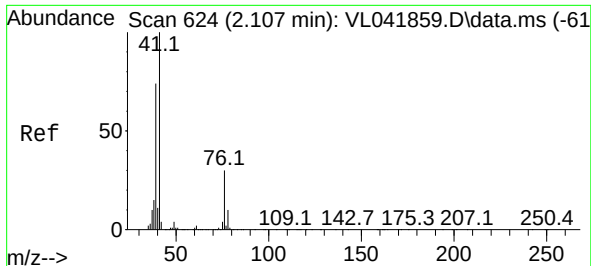
84 100

49 145.9 113.8 170.8

51 46.0 33.5 50.3

86 63.8 46.2 69.4

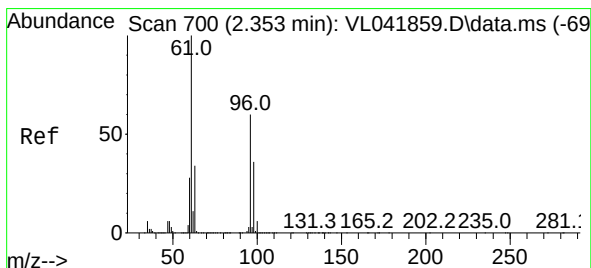
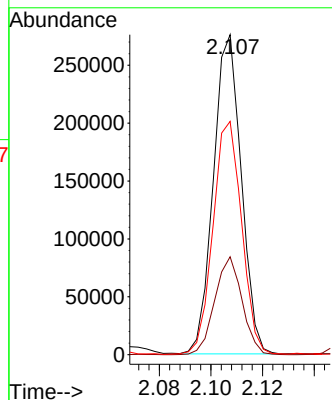
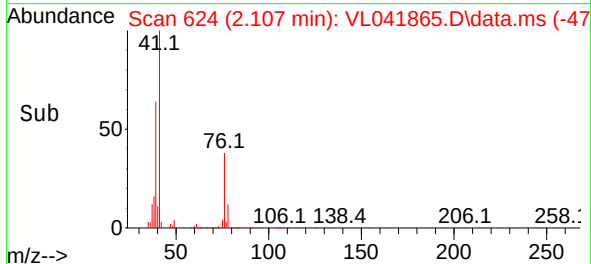
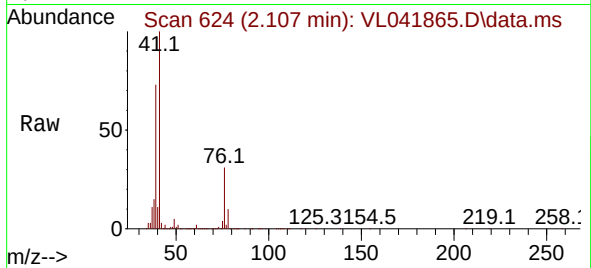




#21
 Allyl Chloride
 Concen: 15.872 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

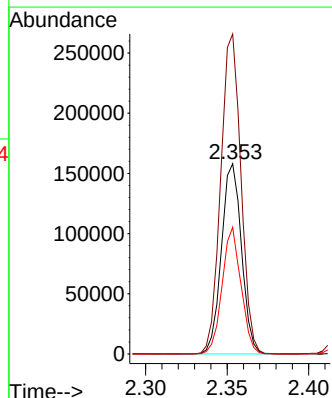
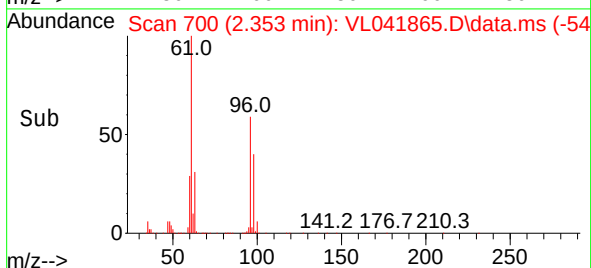
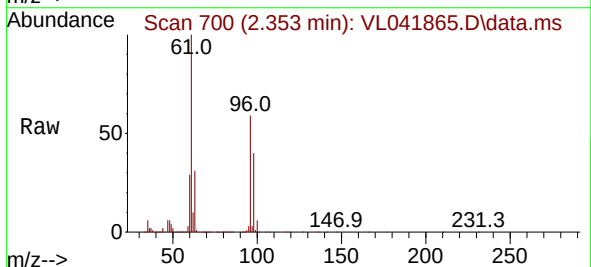
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

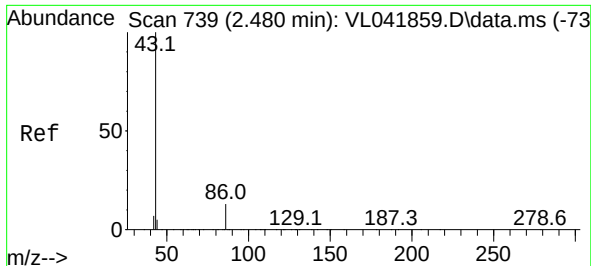
Tgt Ion: 41 Resp: 206645
 Ion Ratio Lower Upper
 41 100
 76 30.2 24.6 36.8
 39 75.1 60.1 90.1



#22
 trans-1,2-Dichloroethene
 Concen: 16.942 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Tgt Ion: 96 Resp: 135232
 Ion Ratio Lower Upper
 96 100
 61 168.2 134.2 201.4
 98 66.7 49.0 73.4



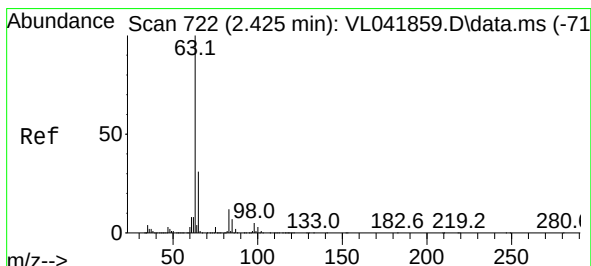
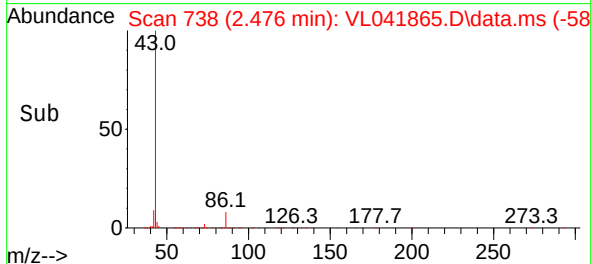
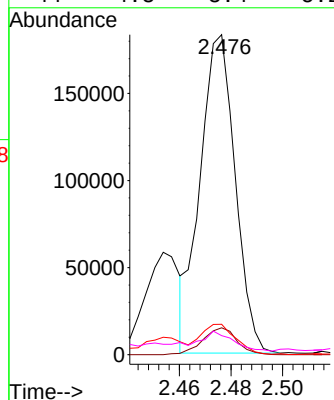
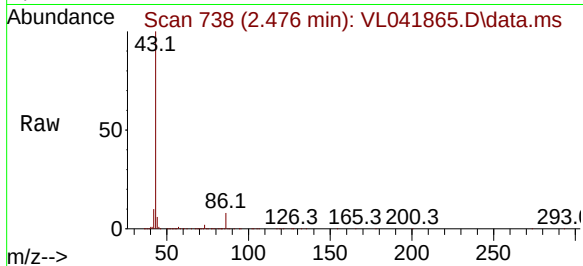


#23
 Vinyl Acetate
 Concen: 21.940 ppbv
 RT: 2.476 min Scan# 741
 Delta R.T. -0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 172469

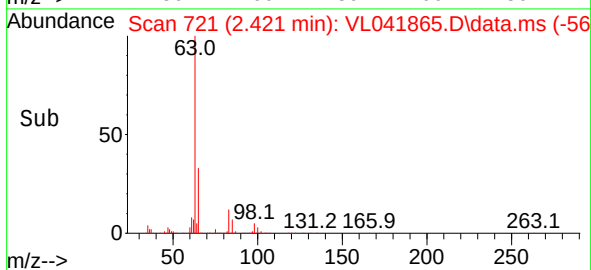
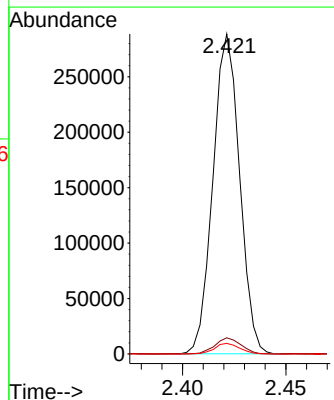
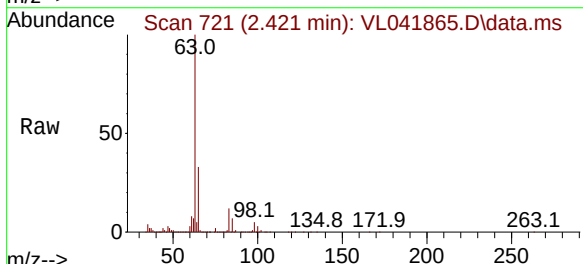
Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.8	11.6
42	9.3	7.0	10.4
44	4.3	3.4	5.2

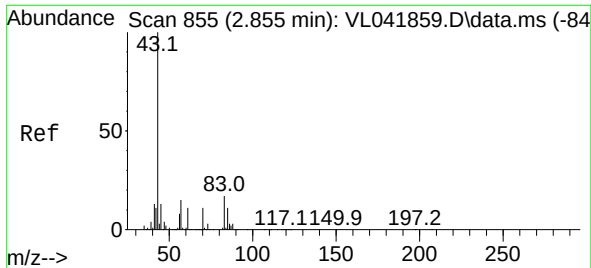


#24
 1,1-Dichloroethane
 Concen: 14.799 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. -0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Tgt Ion: 63 Resp: 258532

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.3	6.9
100	3.3	1.3	3.8

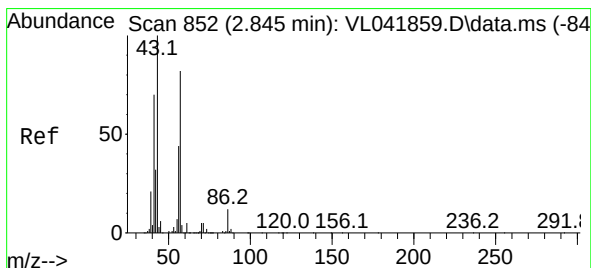
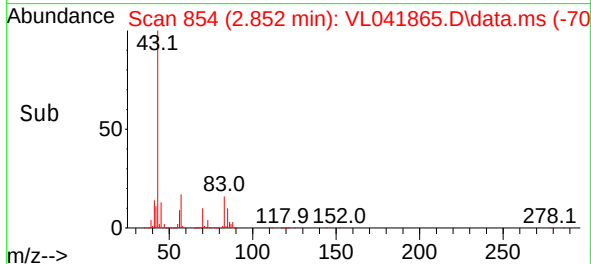
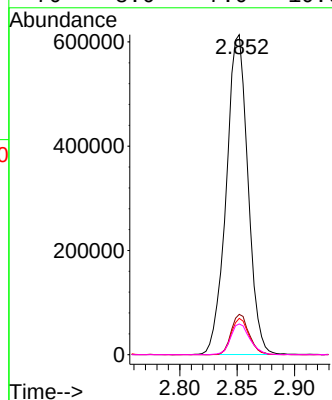
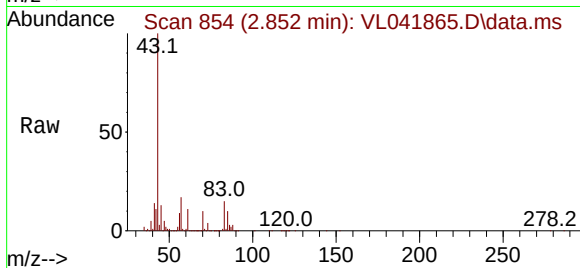




#25
Ethyl Acetate
Concen: 18.993 ppbv
RT: 2.852 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

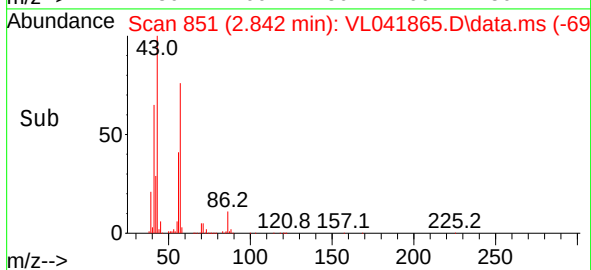
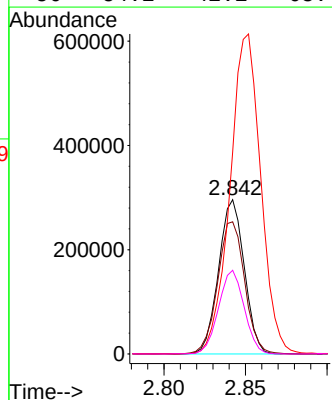
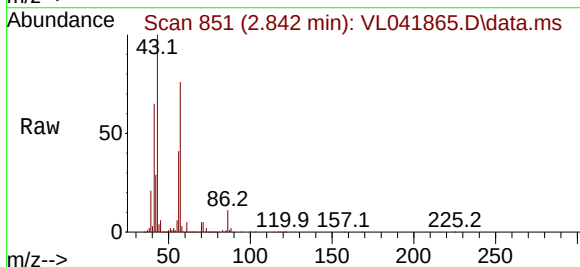
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

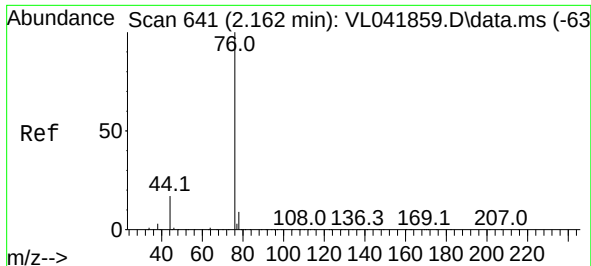
Tgt Ion:	43	Resp:	804978
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	9.4	7.3	10.9
70	8.6	7.0	10.6



#26
Hexane
Concen: 22.004 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:	57	Resp:	323683
Ion	Ratio	Lower	Upper
57	100		
41	90.3	71.5	107.3
43	249.2	200.2	300.4
56	54.2	42.2	63.4





#27

Carbon Disulfide

Concen: 23.457 ppbv

RT: 2.162 min Scan# 641

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

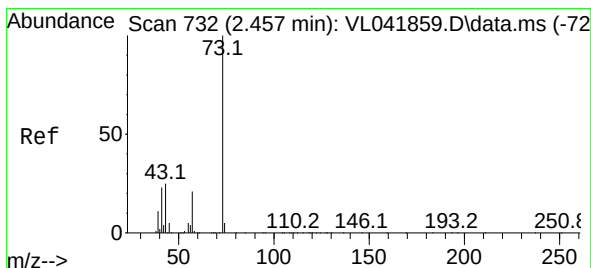
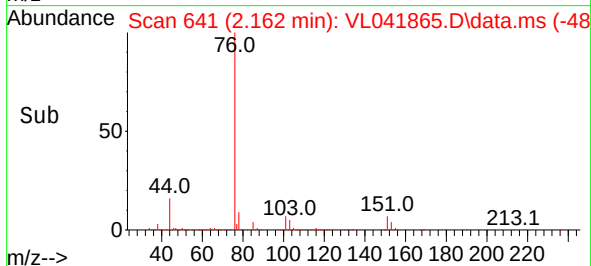
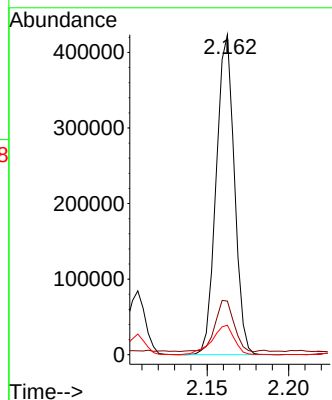
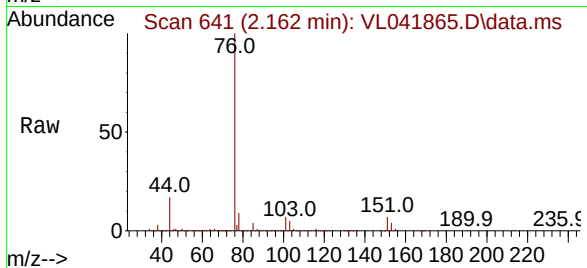
Tgt Ion: 76 Resp: 327476

Ion Ratio Lower Upper

76 100

44 18.6 13.1 19.7

78 11.3 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 21.502 ppbv

RT: 2.454 min Scan# 731

Delta R.T. -0.003 min

Lab File: VL041865.D

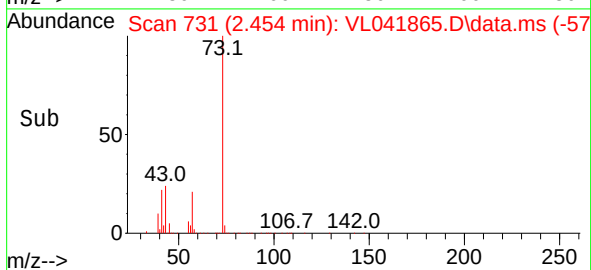
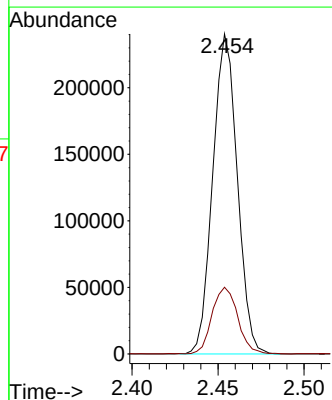
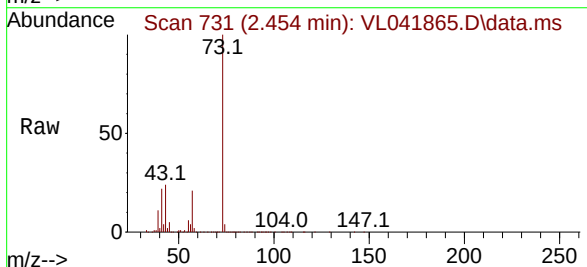
Acq: 09 Jan 2025 14:27

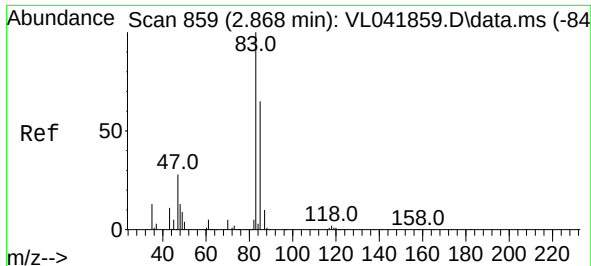
Tgt Ion: 73 Resp: 238377

Ion Ratio Lower Upper

73 100

57 21.7 17.5 26.3





#29

Chloroform

Concen: 16.603 ppbv

RT: 2.865 min Scan# 859

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

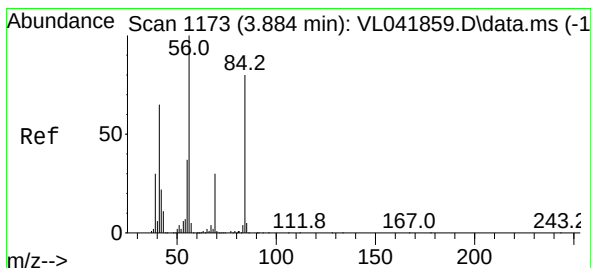
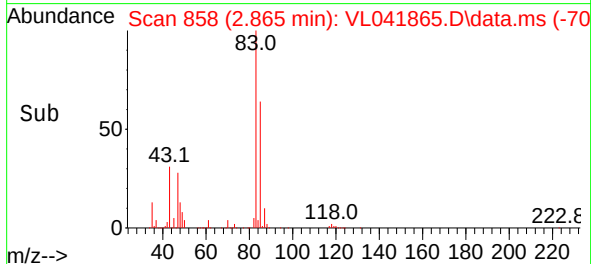
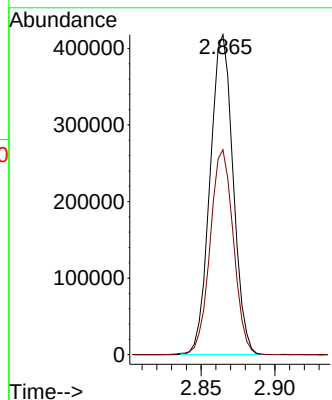
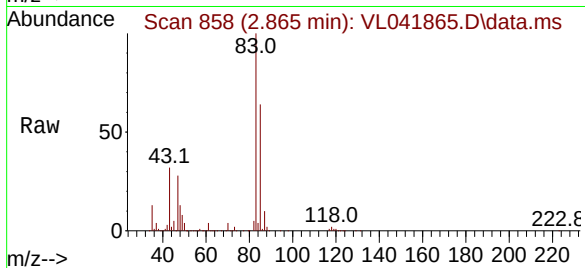
VSTDIC015

Tgt Ion: 83 Resp: 453699

Ion Ratio Lower Upper

83 100

85 64.1 51.7 77.5



#30

Cyclohexane

Concen: 25.428 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. -0.006 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

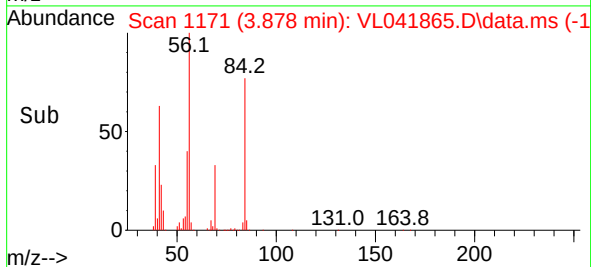
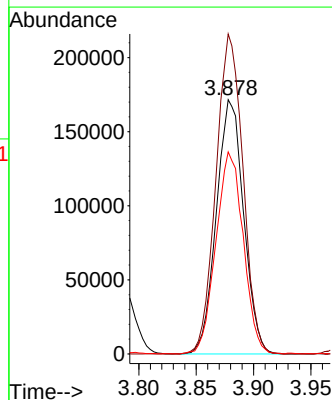
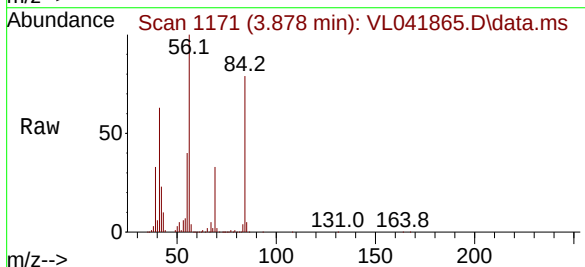
Tgt Ion: 84 Resp: 283640

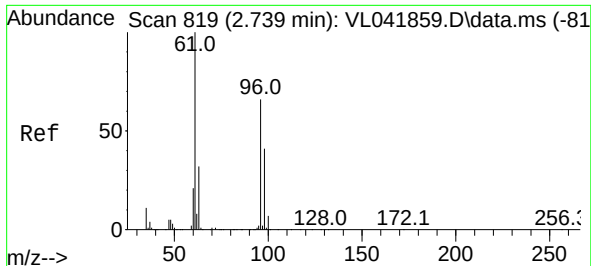
Ion Ratio Lower Upper

84 100

56 124.6 100.7 151.1

41 79.6 62.8 94.2





#31

cis-1,2-Dichloroethene

Concen: 21.076 ppbv

RT: 2.735 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

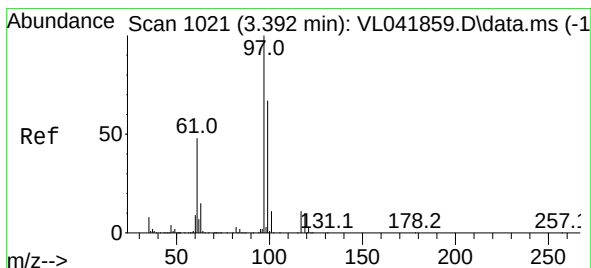
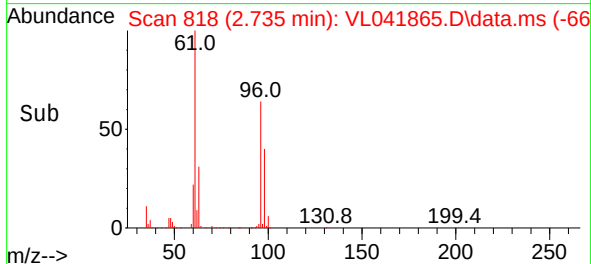
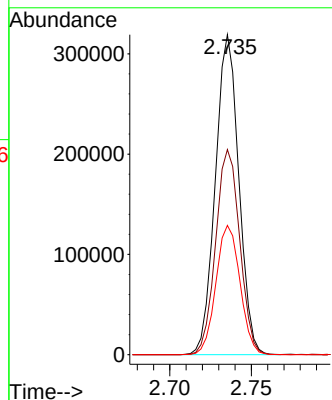
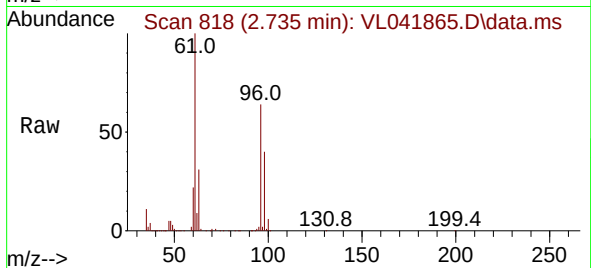
Tgt Ion: 61 Resp: 319115

Ion Ratio Lower Upper

61 100

96 64.1 53.2 79.8

98 40.4 32.5 48.7



#32

1,1,1-Trichloroethane

Concen: 18.862 ppbv

RT: 3.389 min Scan# 1020

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

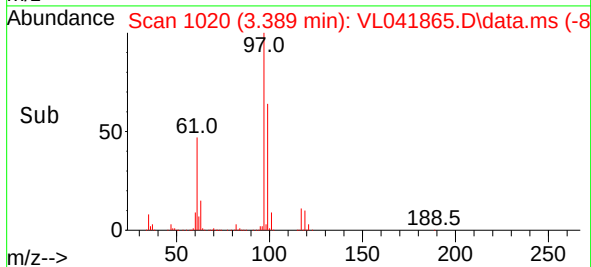
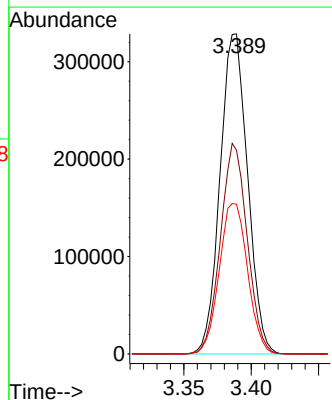
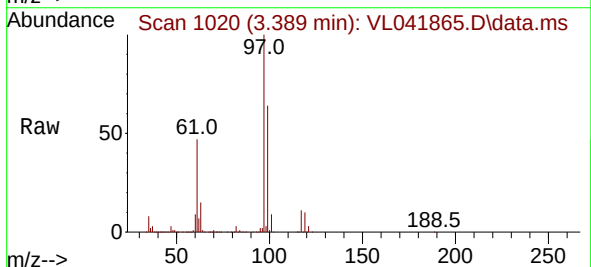
Tgt Ion: 97 Resp: 467121

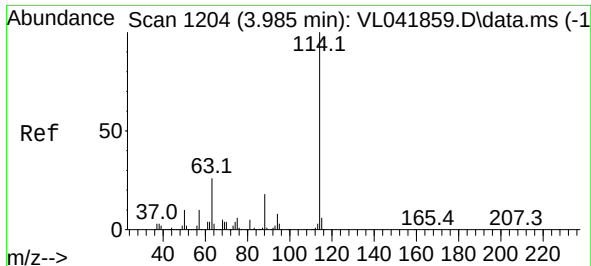
Ion Ratio Lower Upper

97 100

99 63.9 52.0 78.0

61 48.4 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

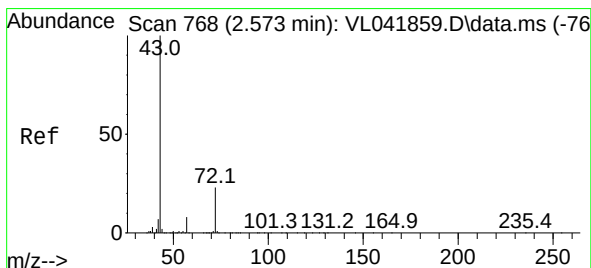
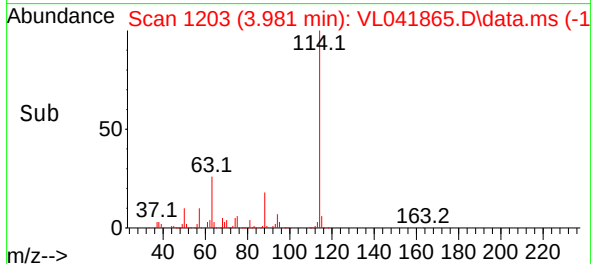
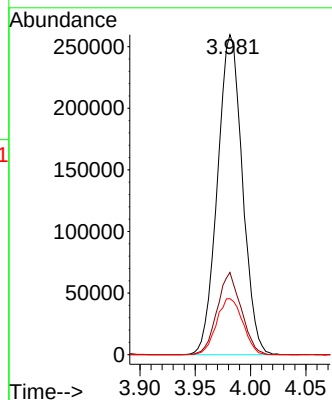
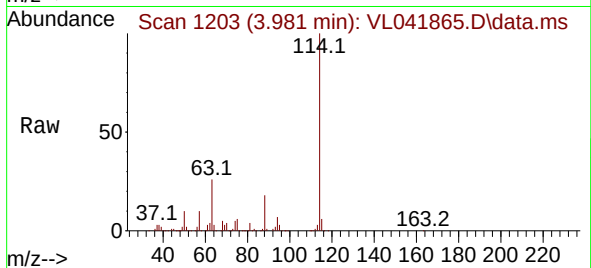
Tgt Ion:114 Resp: 407583

Ion Ratio Lower Upper

114 100

63 24.8 20.3 30.5

88 18.4 14.6 21.8



#34

2-Butanone

Concen: 14.548 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.003 min

Lab File: VL041865.D

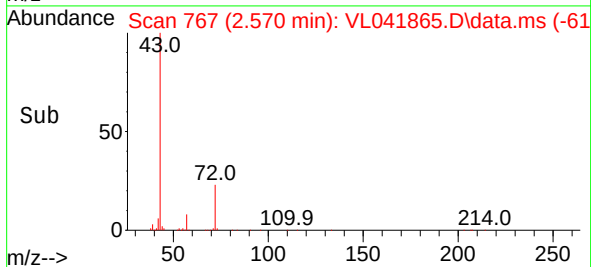
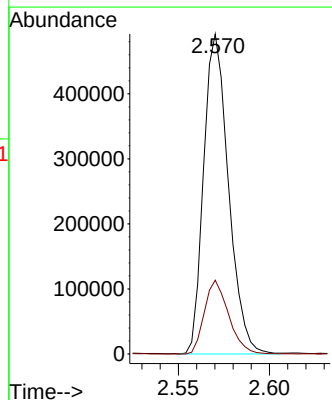
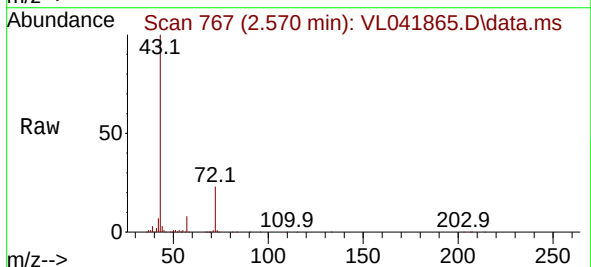
Acq: 09 Jan 2025 14:27

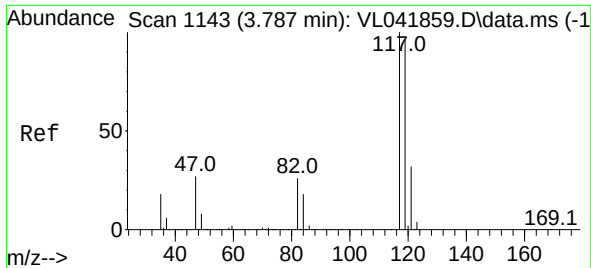
Tgt Ion: 43 Resp: 467080

Ion Ratio Lower Upper

43 100

72 22.5 18.5 27.7

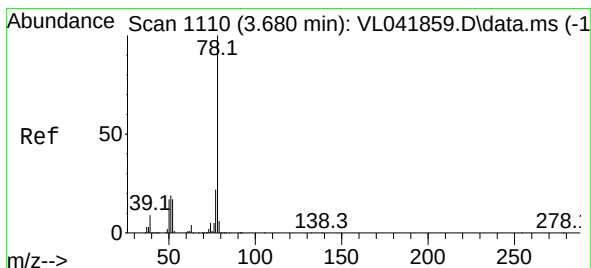
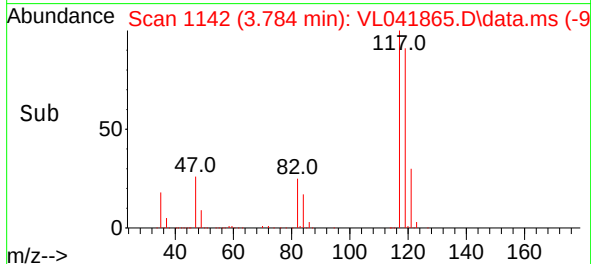
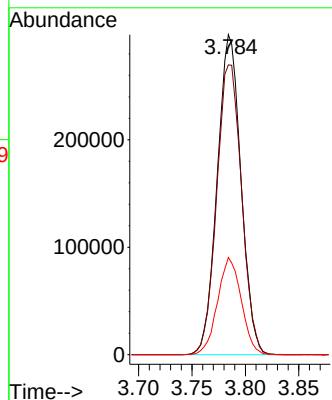
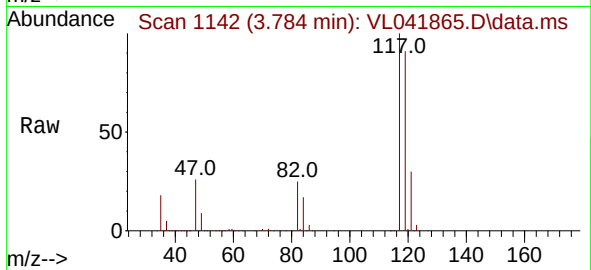




#35
Carbon Tetrachloride
Concen: 14.959 ppbv
RT: 3.784 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

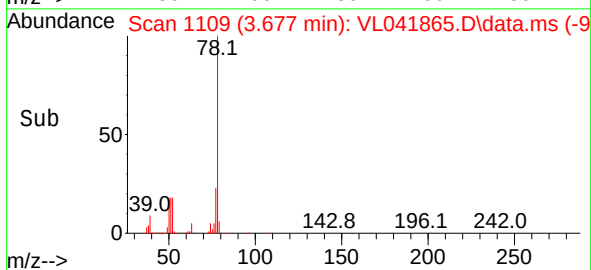
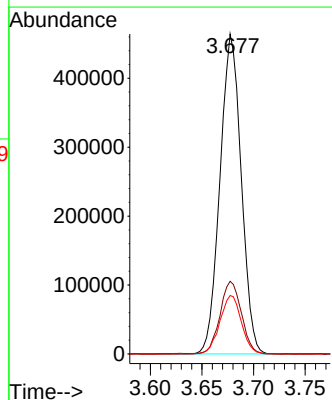
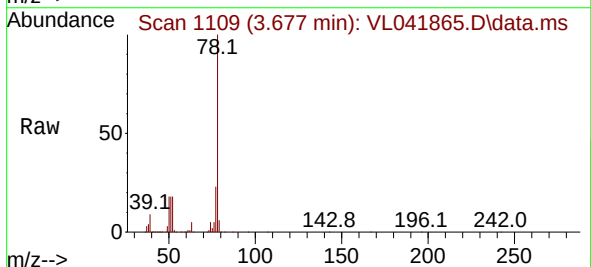
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

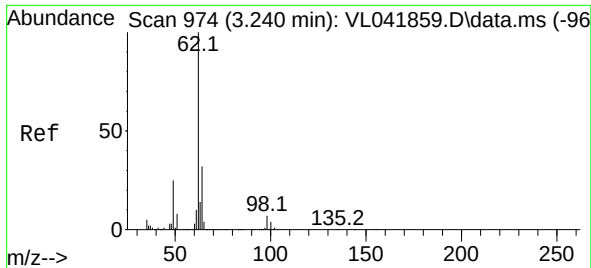
Tgt Ion:117 Resp: 460791
Ion Ratio Lower Upper
117 100
119 90.5 76.9 115.3
121 30.3 25.9 38.9



#36
Benzene
Concen: 17.053 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 78 Resp: 663984
Ion Ratio Lower Upper
78 100
77 22.7 17.9 26.9
50 18.2 13.7 20.5





#37

1,2-Dichloroethane

Concen: 13.820 ppbv

RT: 3.237 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

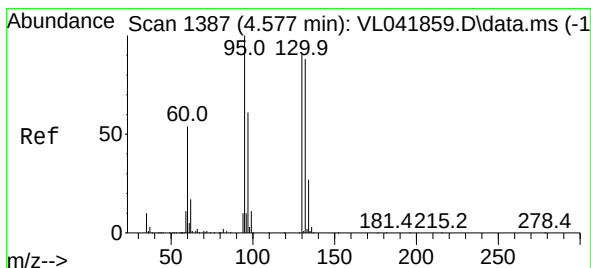
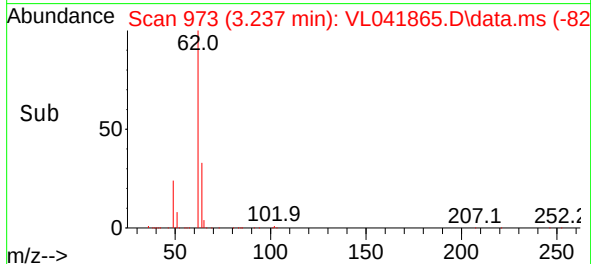
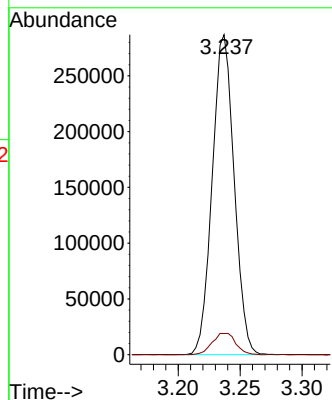
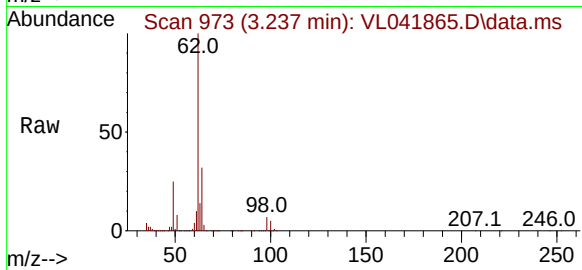
VSTDIC015

Tgt Ion: 62 Resp: 353759

Ion Ratio Lower Upper

62 100

98 7.2 5.6 8.4



#38

Trichloroethene

Concen: 17.563 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion:130 Resp: 262977

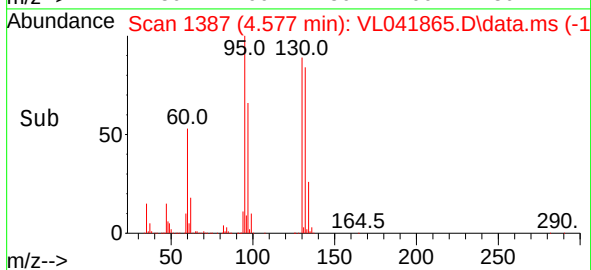
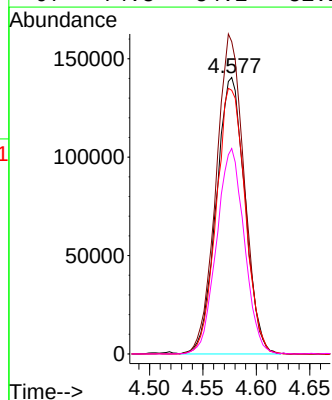
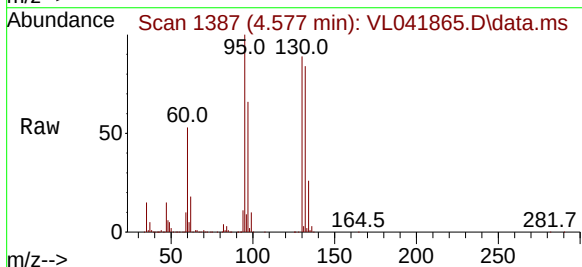
Ion Ratio Lower Upper

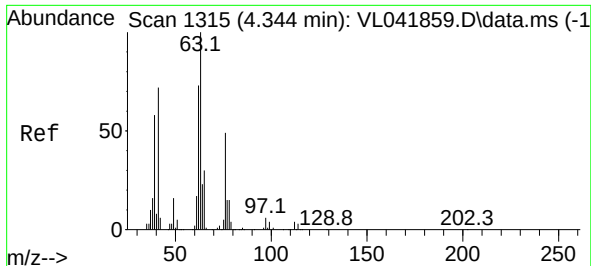
130 100

95 112.7 88.5 132.7

132 95.3 78.2 117.2

97 74.3 54.2 81.2





#39

1,2-Dichloropropane

Concen: 15.832 ppbv

RT: 4.341 min Scan# 1315

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

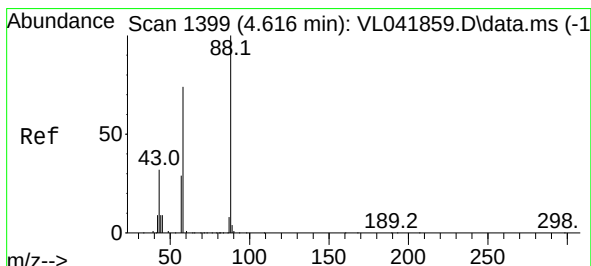
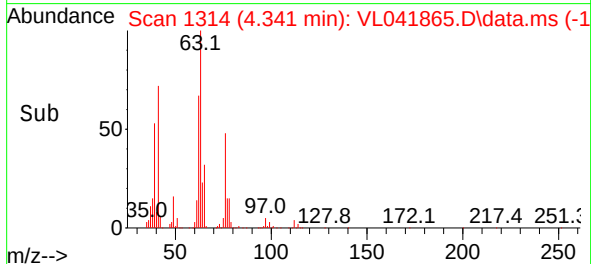
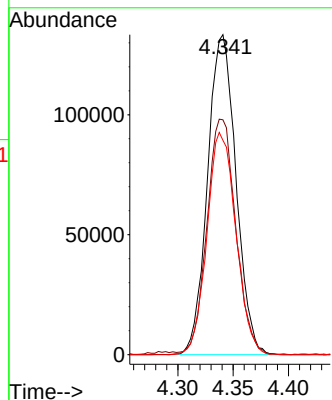
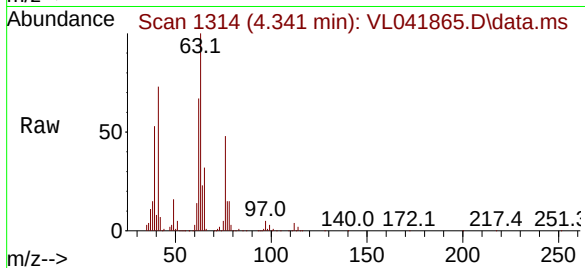
Tgt Ion: 63 Resp: 238460

Ion Ratio Lower Upper

63 100

41 73.3 58.0 87.0

62 66.9 58.6 87.8



#40

1,4-Dioxane

Concen: 20.147 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. -0.006 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion: 88 Resp: 117449

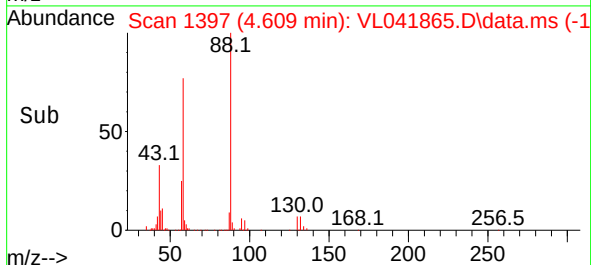
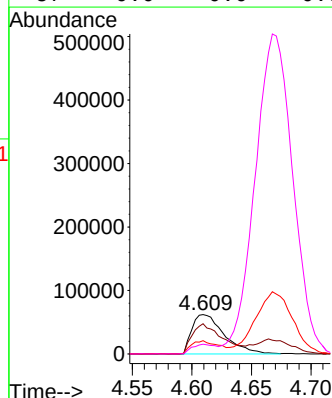
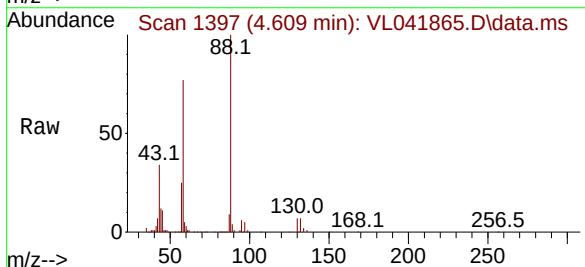
Ion Ratio Lower Upper

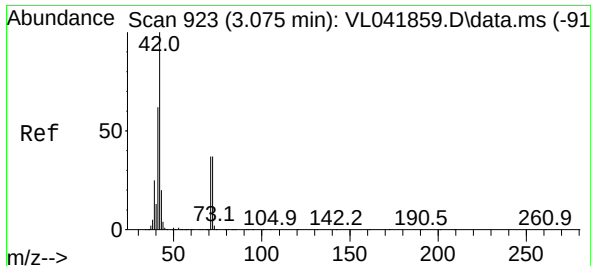
88 100

58 73.1 52.2 78.4

43 32.1 0.0 0.0#

57 0.0 0.0 0.0

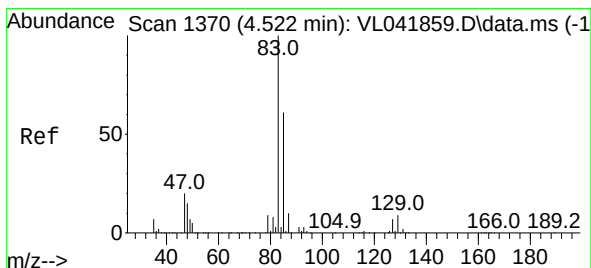
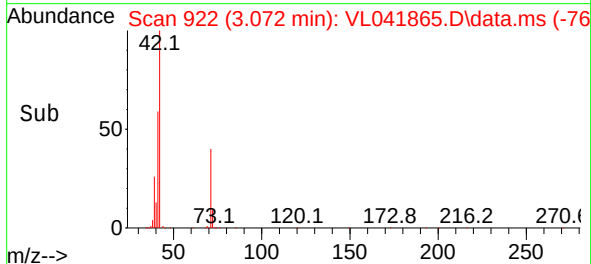
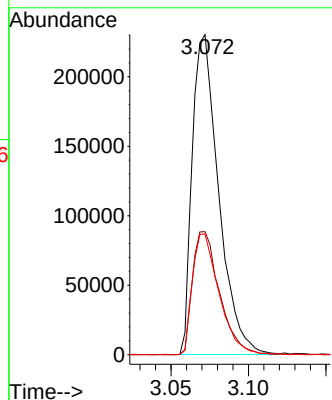
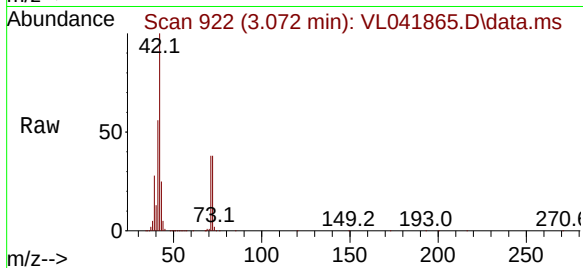




#41
Tetrahydrofuran
Concen: 18.107 ppbv
RT: 3.072 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

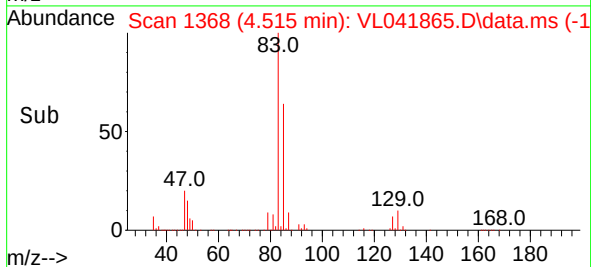
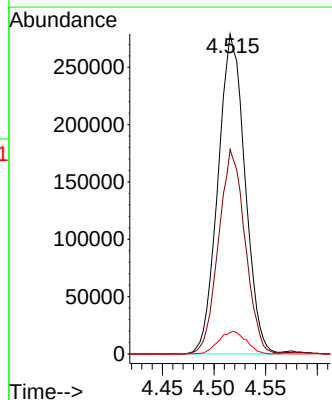
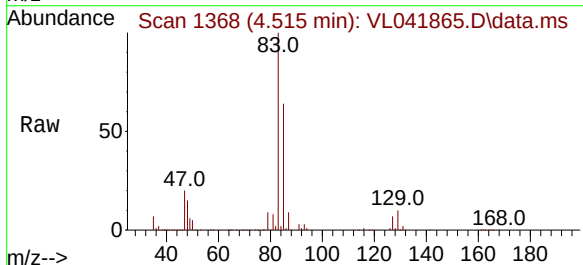
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

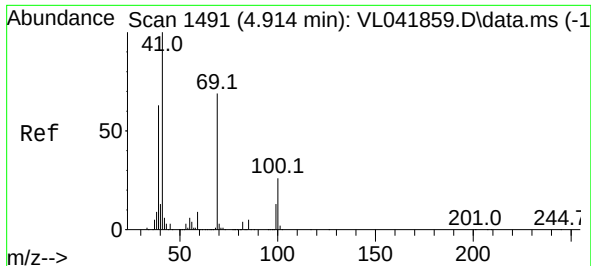
Tgt Ion: 42 Resp: 273858
Ion Ratio Lower Upper
42 100
72 39.3 30.8 46.2
71 38.1 30.1 45.1



#42
Bromodichloromethane
Concen: 16.892 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 83 Resp: 507098
Ion Ratio Lower Upper
83 100
85 63.9 48.9 73.3
127 6.7 5.4 8.2

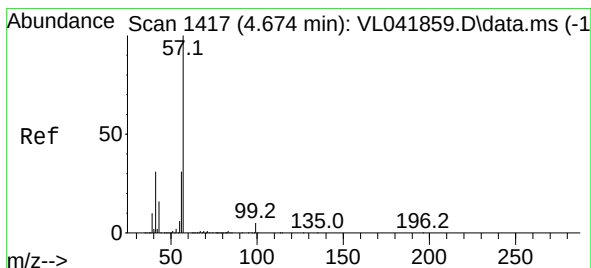
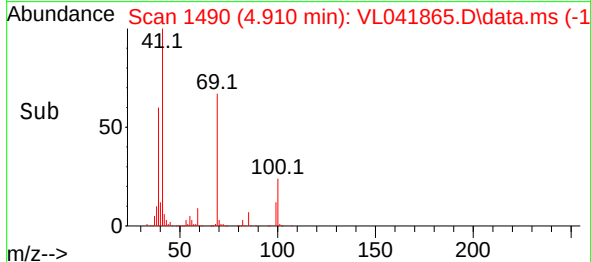
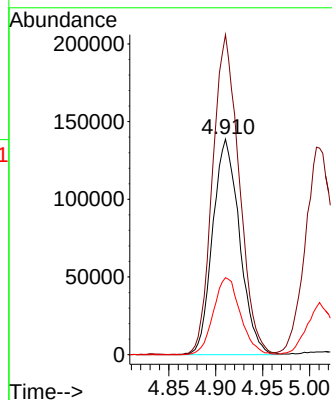
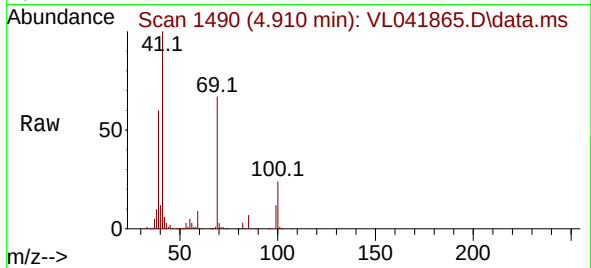




#43
Methyl Methacrylate
Concen: 22.609 ppbv
RT: 4.910 min Scan# 1490
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

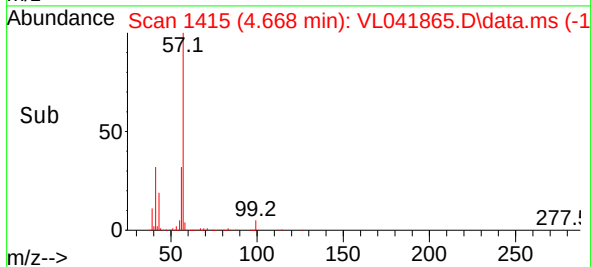
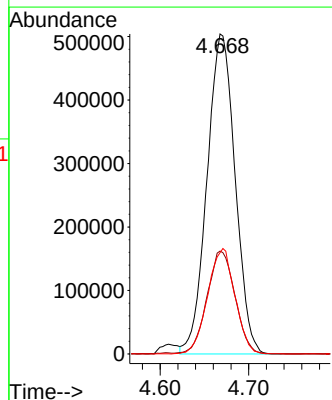
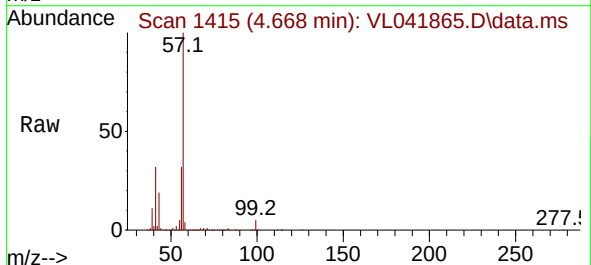
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

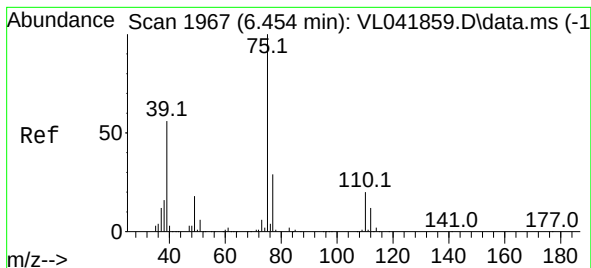
Tgt Ion: 69 Resp: 276446
Ion Ratio Lower Upper
69 100
41 146.4 116.2 174.4
100 35.8 29.8 44.8



#44
2,2,4-Trimethylpentane
Concen: 17.341 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. -0.006 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 57 Resp: 1112501
Ion Ratio Lower Upper
57 100
41 32.3 25.5 38.3
56 32.0 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 24.306 ppbv

RT: 6.448 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_1

ClientSampleId :

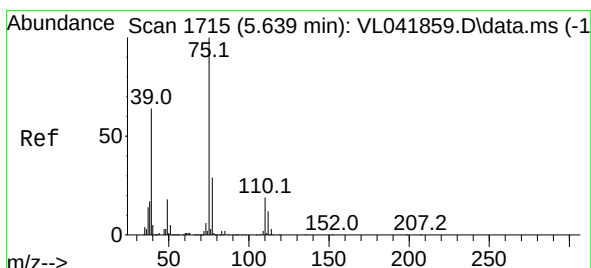
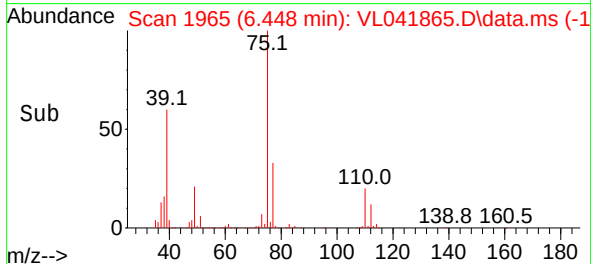
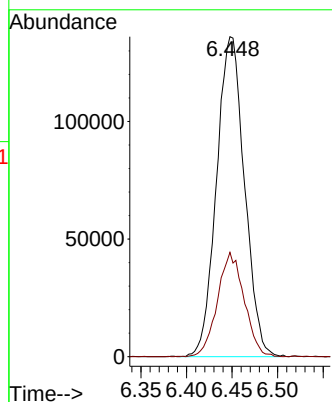
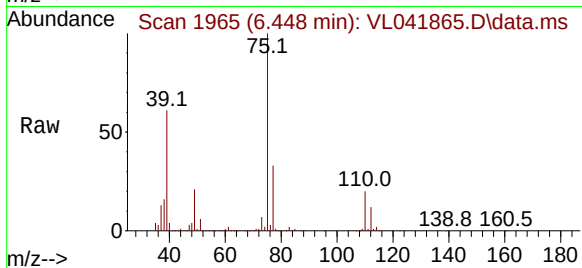
VSTDIC015

Tgt Ion: 75 Resp: 290137

Ion Ratio Lower Upper

75 100

77 32.6 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 23.570 ppbv

RT: 5.635 min Scan# 1714

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

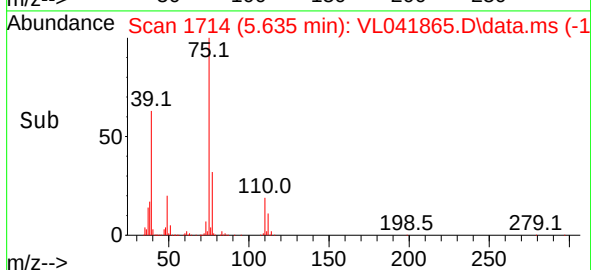
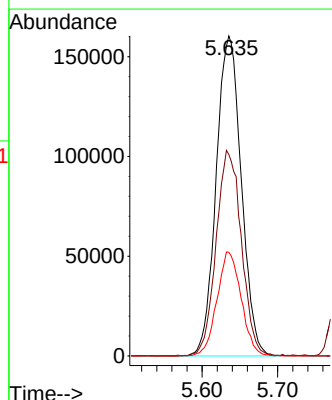
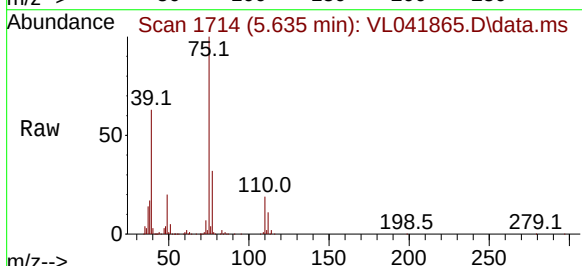
Tgt Ion: 75 Resp: 370479

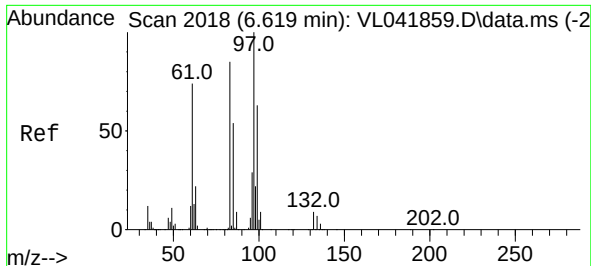
Ion Ratio Lower Upper

75 100

39 62.8 51.4 77.2

77 32.3 23.0 34.4

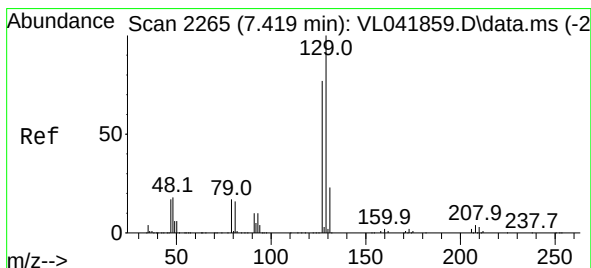
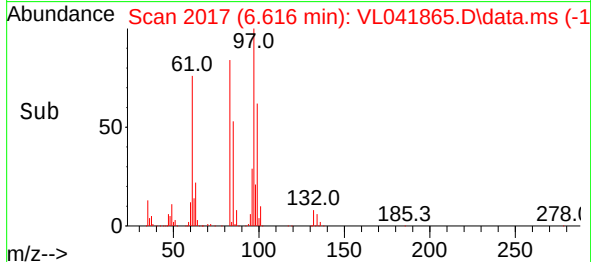
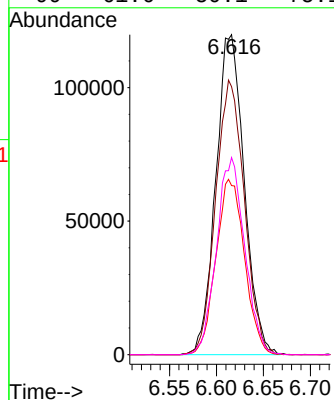
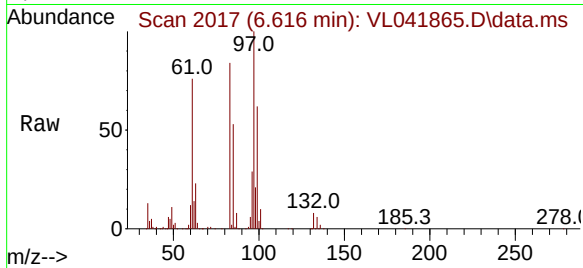




#47
1,1,2-Trichloroethane
Concen: 15.853 ppbv
RT: 6.616 min Scan# 2017
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

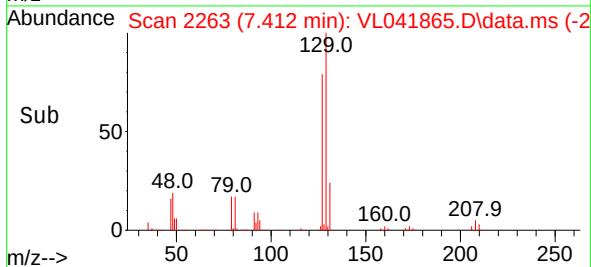
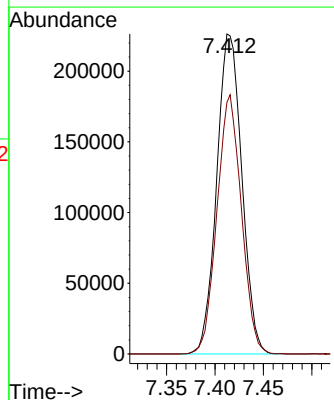
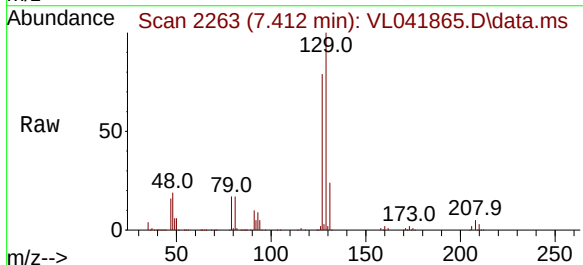
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

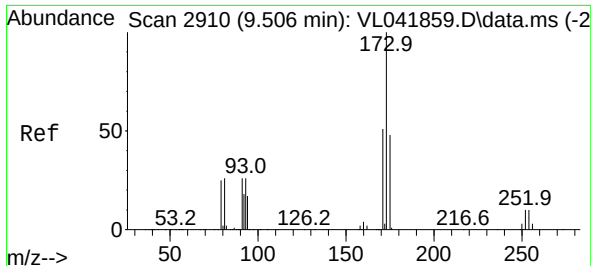
Tgt Ion: 97 Resp: 252224
Ion Ratio Lower Upper
97 100
83 83.7 68.1 102.1
85 52.8 43.4 65.2
99 61.6 50.1 75.1



#48
Dibromochloromethane
Concen: 20.167 ppbv
RT: 7.412 min Scan# 2263
Delta R.T. -0.006 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 129 Resp: 408959
Ion Ratio Lower Upper
129 100
127 78.7 39.4 118.1





#49

Bromoform

Concen: 22.331 ppbv

RT: 9.503 min Scan# 2910

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

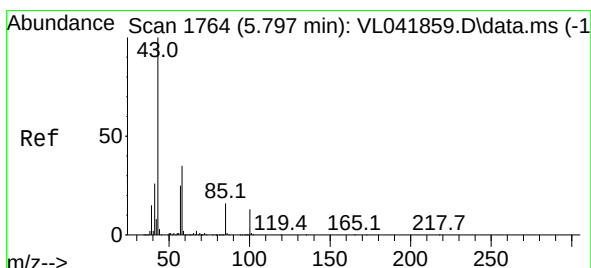
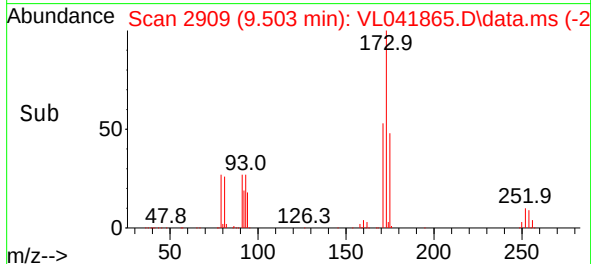
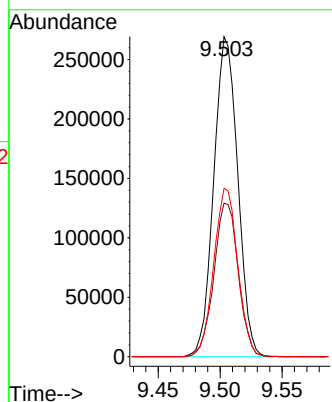
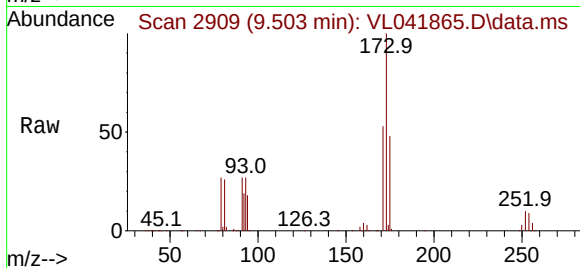
Tgt Ion:173 Resp: 362905

Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.2

171 52.7 41.3 61.9



#50

4-Methyl-2-Pentanone

Concen: 18.323 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. -0.010 min

Lab File: VL041865.D

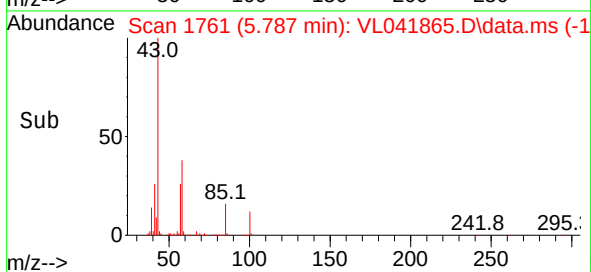
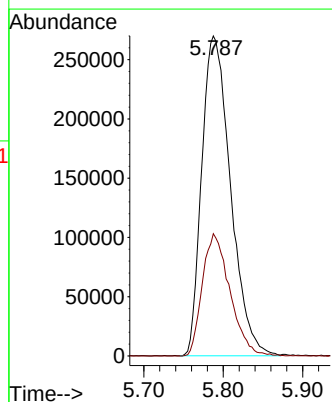
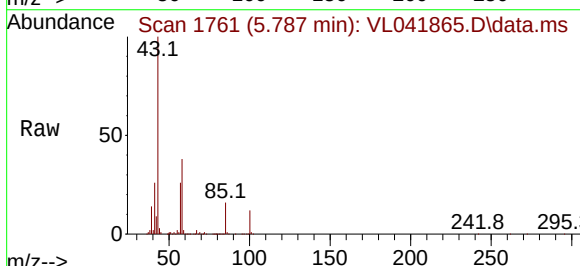
Acq: 09 Jan 2025 14:27

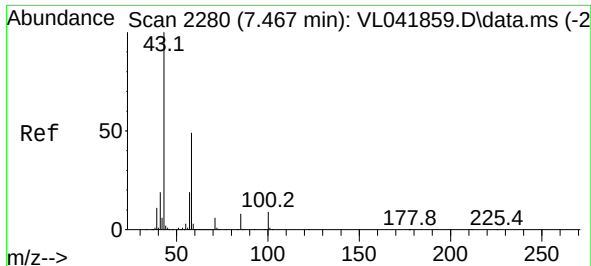
Tgt Ion: 43 Resp: 680330

Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.2

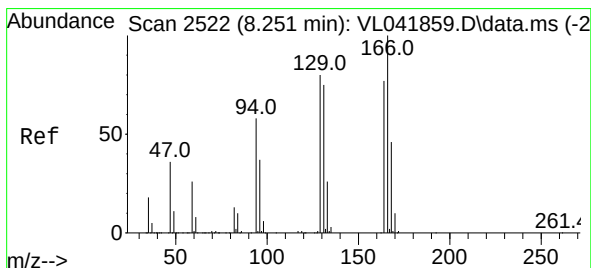
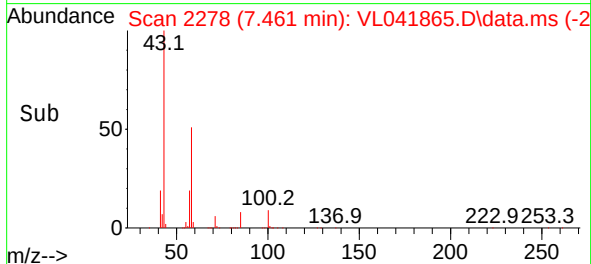
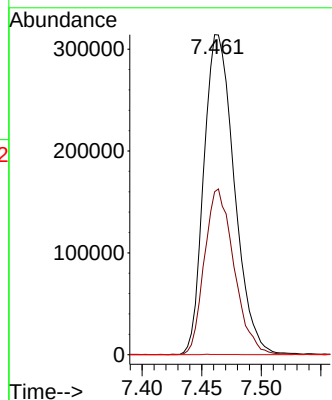
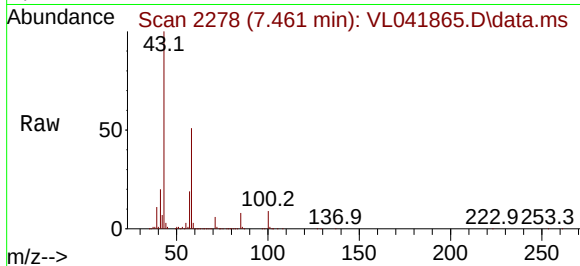




#51
2-Hexanone
Concen: 19.852 ppbv
RT: 7.461 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

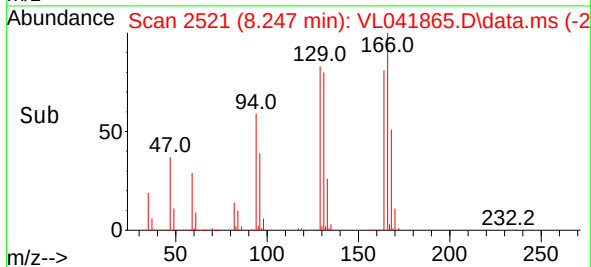
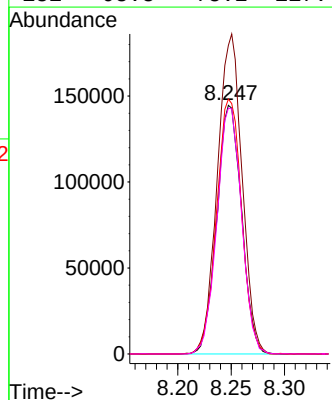
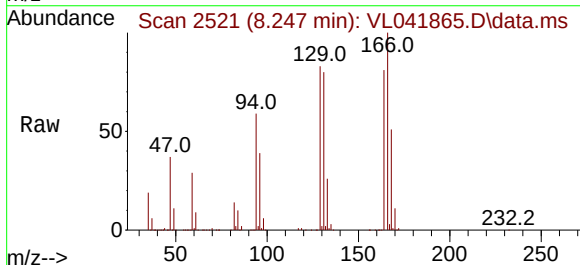
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

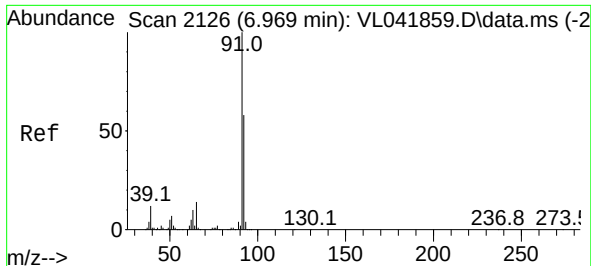
Tgt Ion: 43 Resp: 557793
Ion Ratio Lower Upper
43 100
58 50.6 40.0 60.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 20.239 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 164 Resp: 233663
Ion Ratio Lower Upper
164 100
166 124.1 103.6 155.4
129 102.5 82.6 123.8
131 98.8 78.2 117.4





#53

Toluene

Concen: 22.983 ppbv

RT: 6.966 min Scan# 2126

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

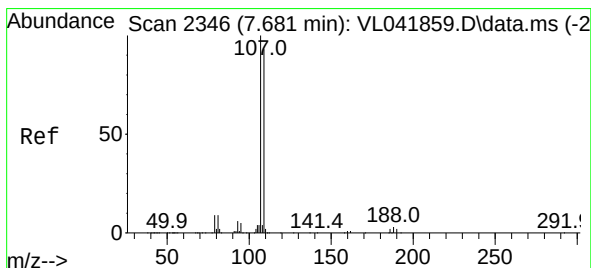
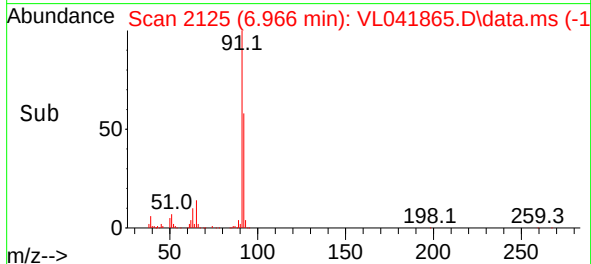
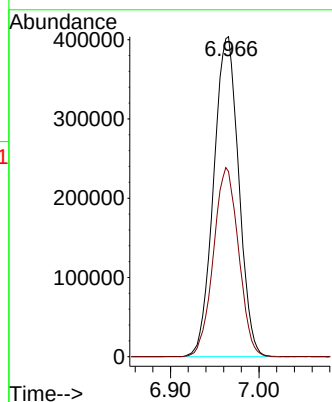
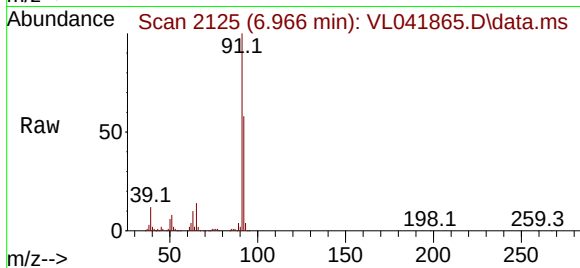
VSTDIC015

Tgt Ion: 91 Resp: 796461

Ion Ratio Lower Upper

91 100

92 59.2 47.2 70.8



#54

1,2-Dibromoethane

Concen: 18.098 ppbv

RT: 7.678 min Scan# 2345

Delta R.T. -0.003 min

Lab File: VL041865.D

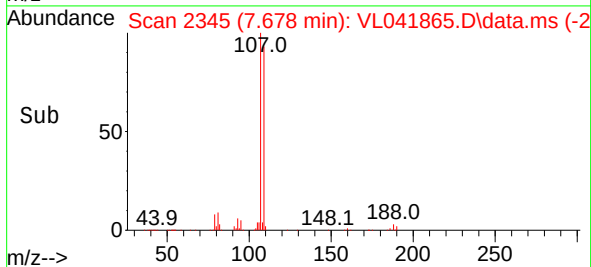
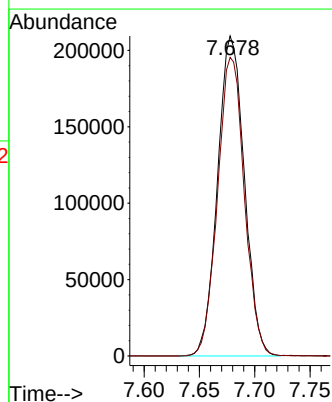
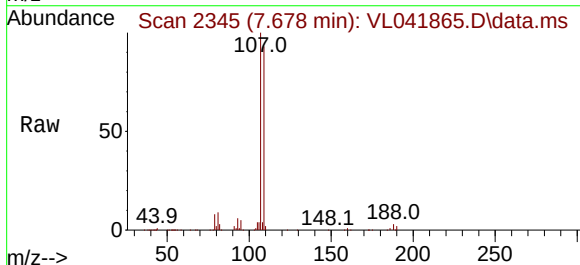
Acq: 09 Jan 2025 14:27

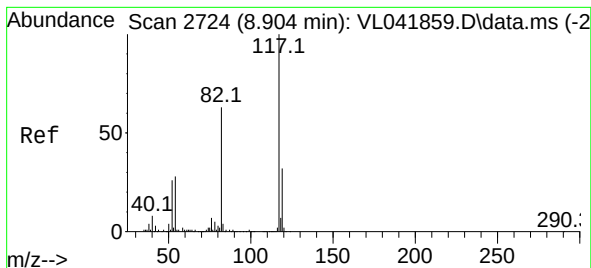
Tgt Ion: 107 Resp: 353045

Ion Ratio Lower Upper

107 100

109 93.3 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.904 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

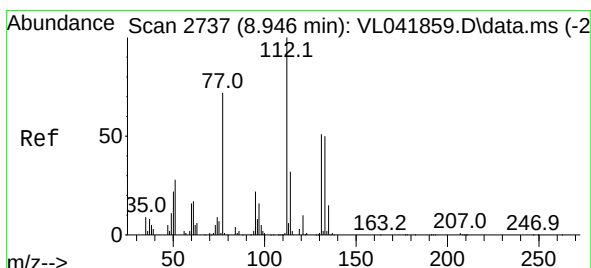
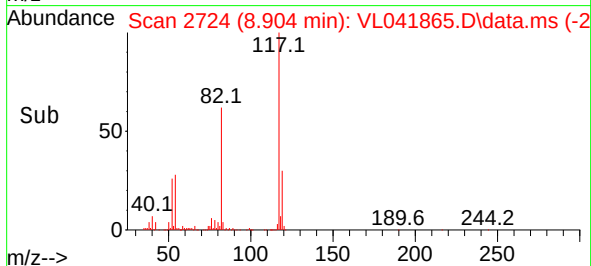
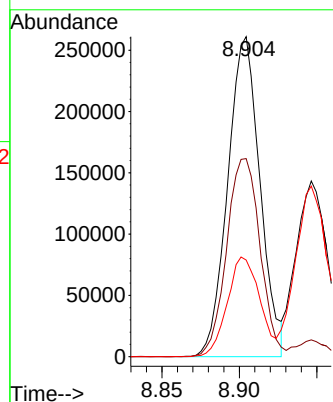
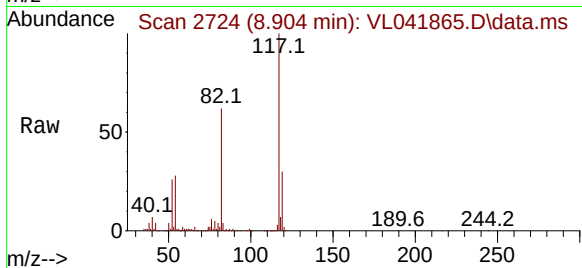
Tgt Ion:117 Resp: 378604

Ion Ratio Lower Upper

117 100

82 69.1 54.5 81.7

119 30.9 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 14.760 ppbv

RT: 8.946 min Scan# 2737

Delta R.T. 0.000 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

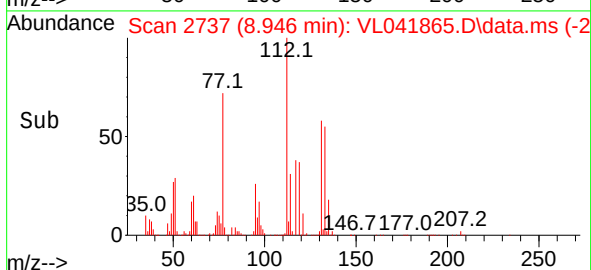
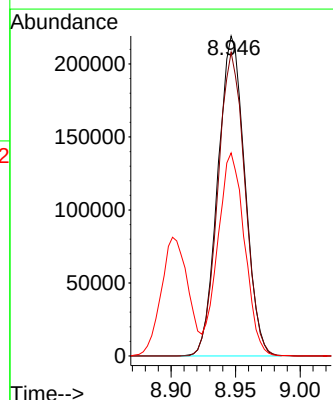
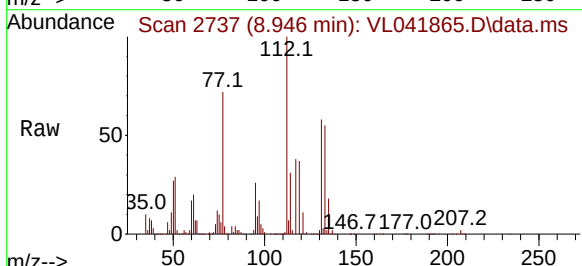
Tgt Ion:131 Resp: 318489

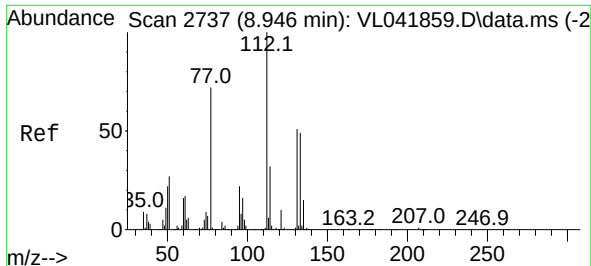
Ion Ratio Lower Upper

131 100

133 95.2 77.4 116.2

119 62.9 49.4 74.0





#57

Chlorobenzene

Concen: 14.632 ppbv

RT: 8.943 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

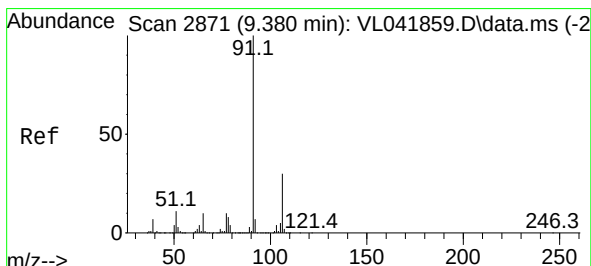
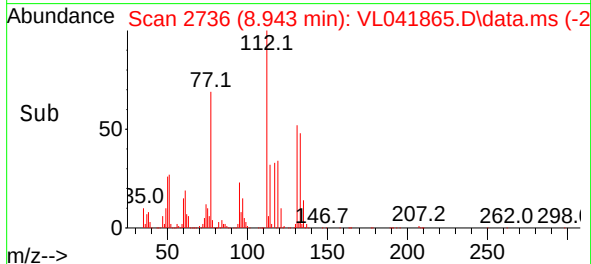
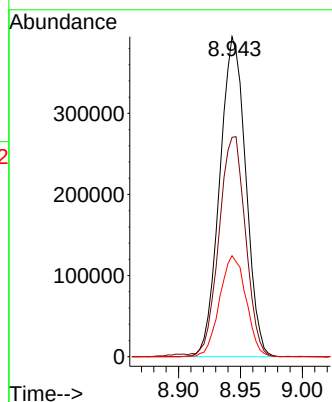
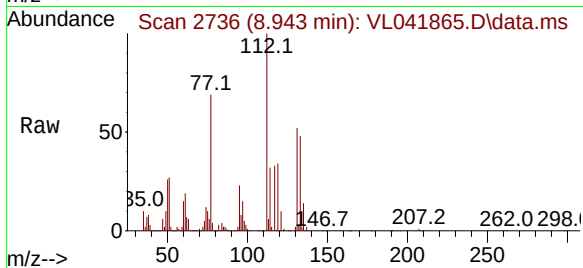
Tgt Ion:112 Resp: 578775

Ion Ratio Lower Upper

112 100

77 68.6 58.3 87.5

114 31.6 28.9 35.3



#58

Ethyl Benzene

Concen: 20.954 ppbv

RT: 9.377 min Scan# 2870

Delta R.T. -0.003 min

Lab File: VL041865.D

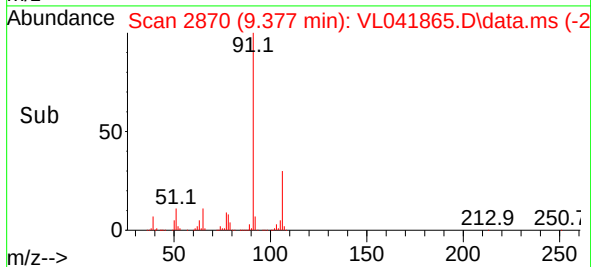
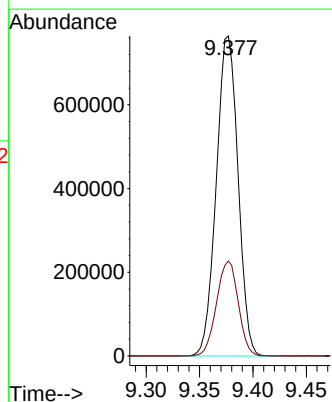
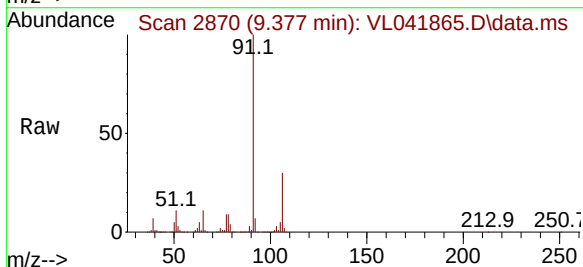
Acq: 09 Jan 2025 14:27

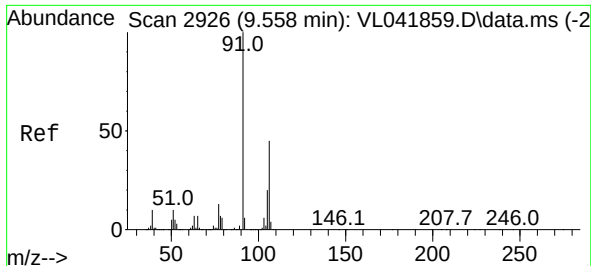
Tgt Ion: 91 Resp: 1081235

Ion Ratio Lower Upper

91 100

106 29.7 24.2 36.2





#59

m/p-Xylene

Concen: 18.893 ppbv

RT: 9.555 min Scan# 2926

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

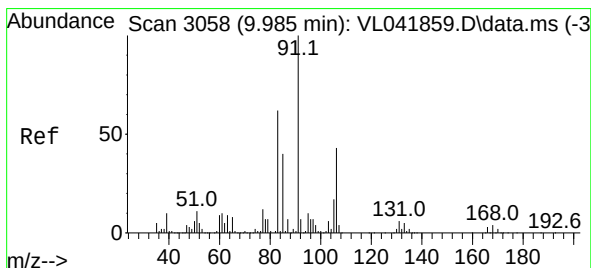
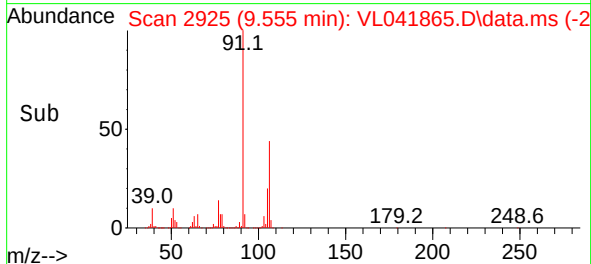
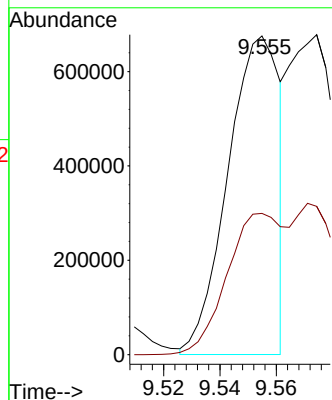
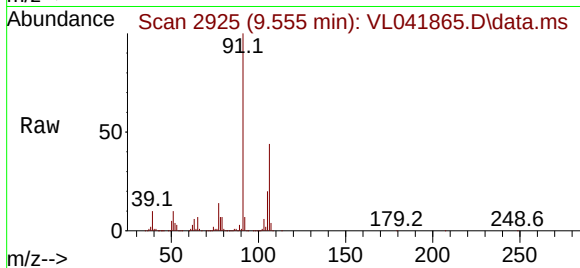
VSTDIC015

Tgt Ion: 91 Resp: 858880

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 18.971 ppbv

RT: 9.985 min Scan# 3058

Delta R.T. 0.000 min

Lab File: VL041865.D

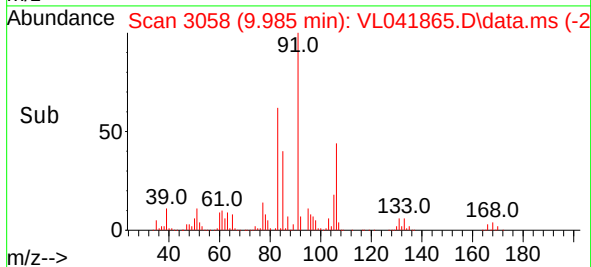
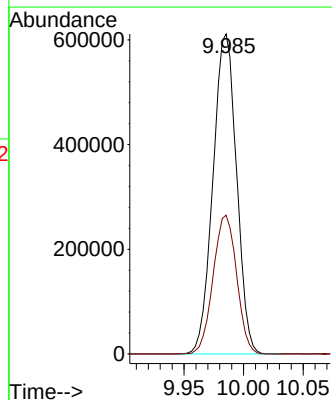
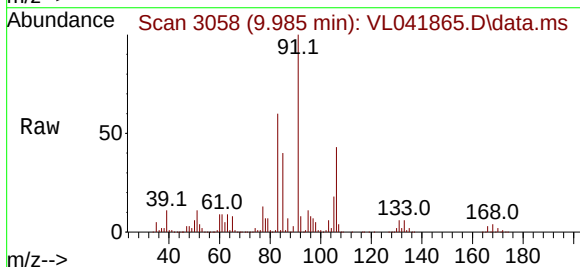
Acq: 09 Jan 2025 14:27

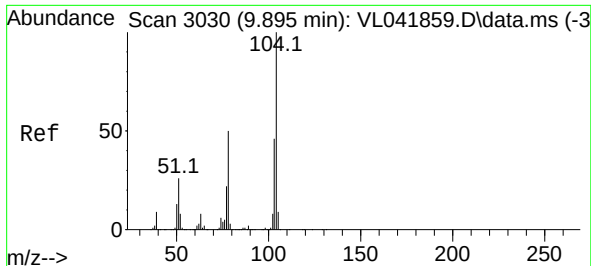
Tgt Ion: 91 Resp: 840494

Ion Ratio Lower Upper

91 100

106 43.3 21.4 64.3

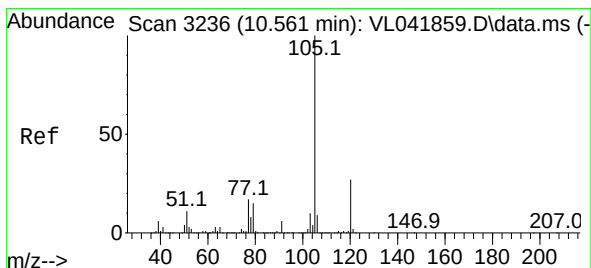
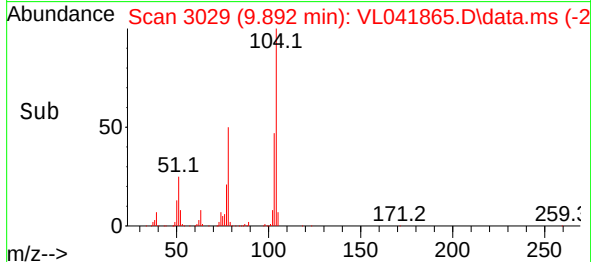
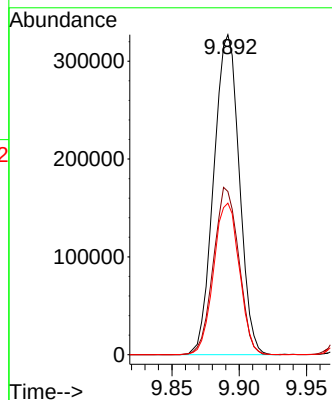
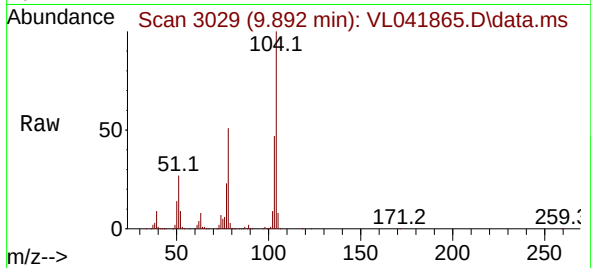




#61
Styrene
Concen: 25.091 ppbv
RT: 9.892 min Scan# 3030
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

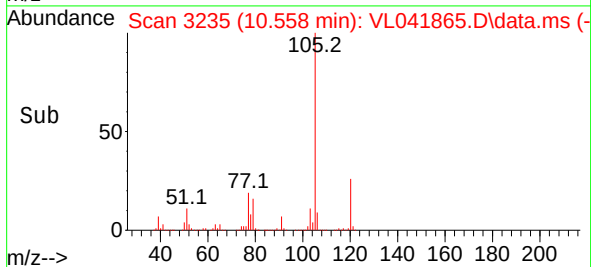
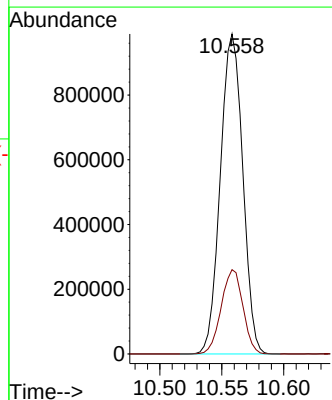
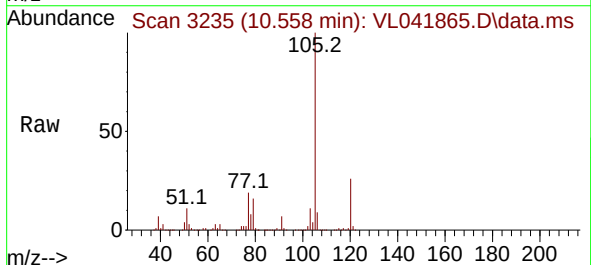
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

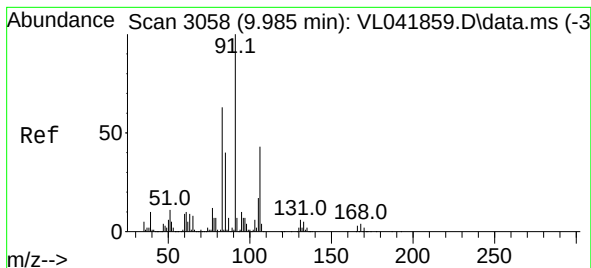
Tgt Ion:104 Resp: 431280
Ion Ratio Lower Upper
104 100
78 51.8 40.7 61.1
103 47.8 37.0 55.6



#62
Isopropylbenzene
Concen: 17.917 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:105 Resp: 1247161
Ion Ratio Lower Upper
105 100
120 25.5 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 12.770 ppbv

RT: 9.982 min Scan# 3058

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

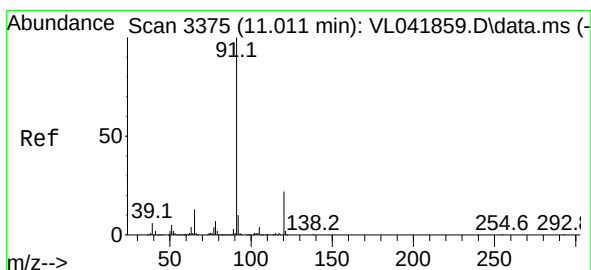
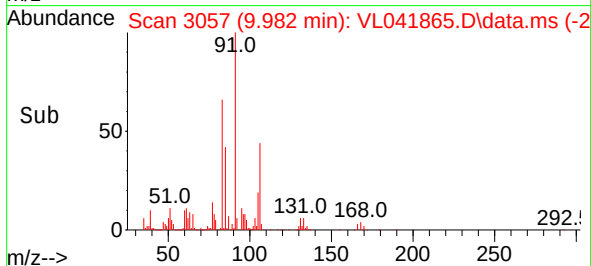
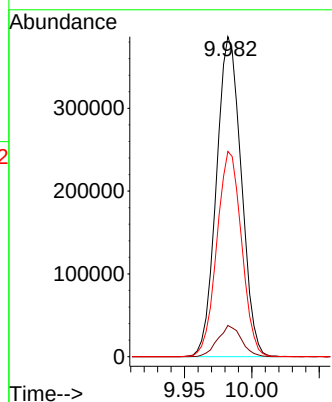
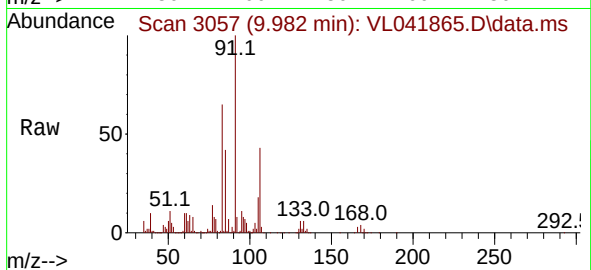
Tgt Ion: 83 Resp: 496124

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 63.9 32.1 96.3



#64

n-propylbenzene

Concen: 18.308 ppbv

RT: 11.008 min Scan# 3374

Delta R.T. -0.003 min

Lab File: VL041865.D

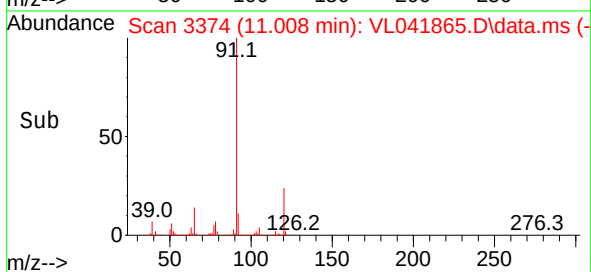
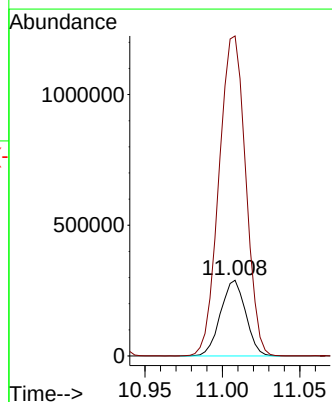
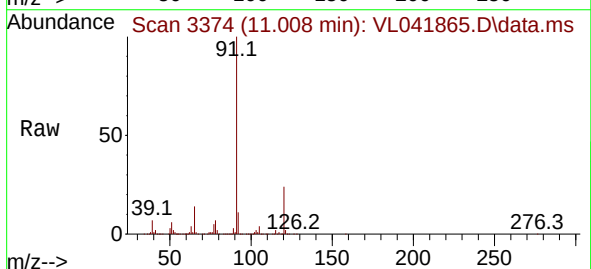
Acq: 09 Jan 2025 14:27

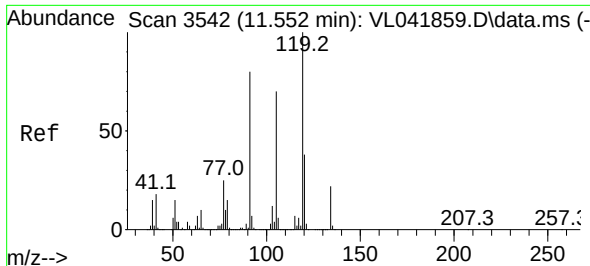
Tgt Ion:120 Resp: 326937

Ion Ratio Lower Upper

120 100

91 450.0 376.9 565.3

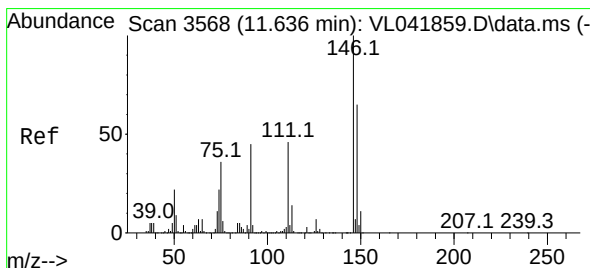
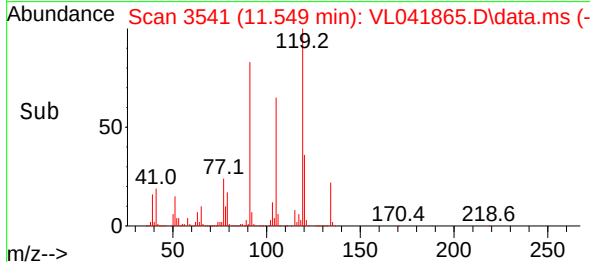
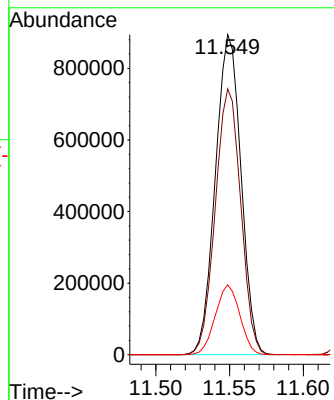
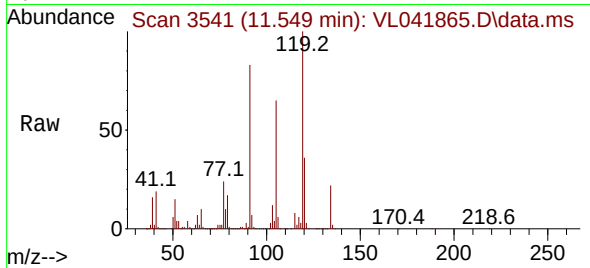




#65
tert-Butylbenzene
Concen: 17.255 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

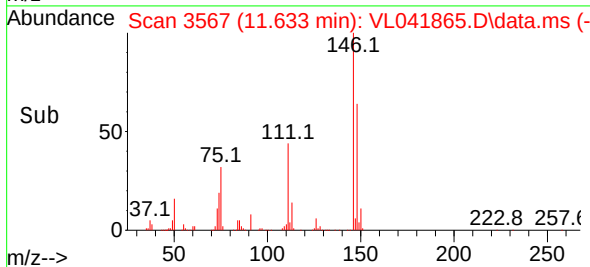
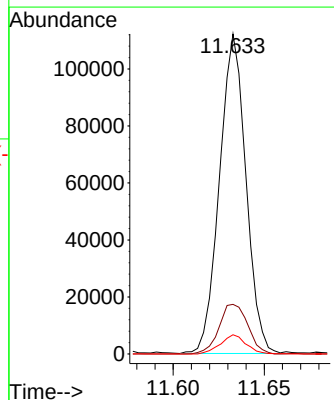
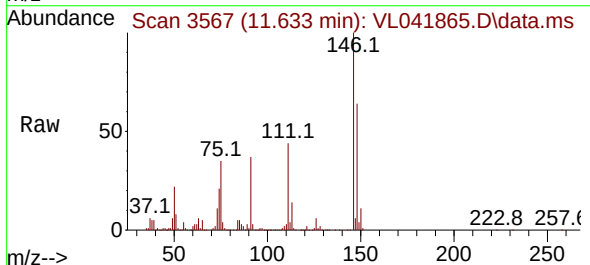
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

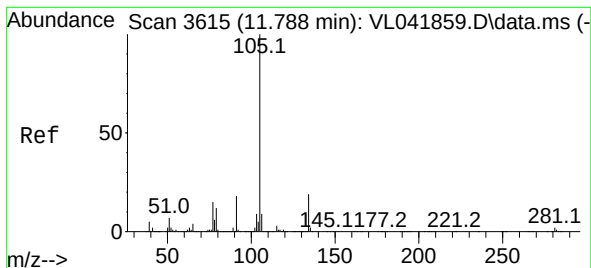
Tgt Ion:119 Resp: 1082296
Ion Ratio Lower Upper
119 100
91 82.4 64.6 97.0
134 20.8 16.9 25.3



#66
Benzyl Chloride
Concen: 21.533 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion: 91 Resp: 113138
Ion Ratio Lower Upper
91 100
126 17.0 13.9 20.9
128 5.8 4.8 7.2

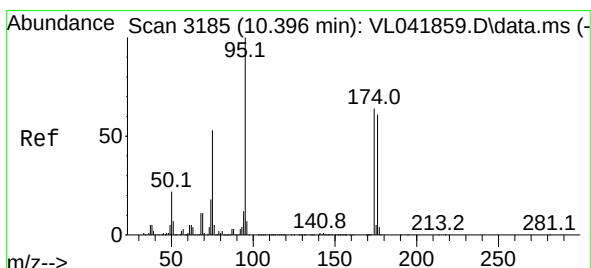
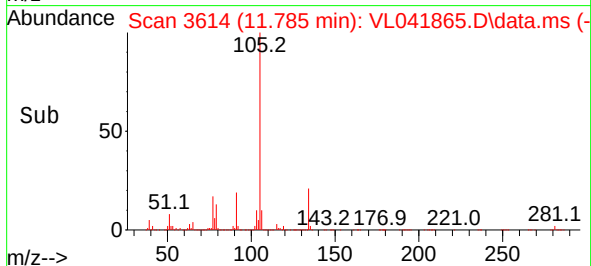
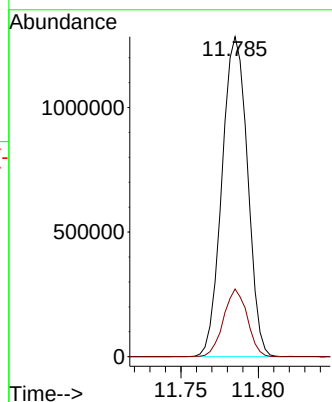
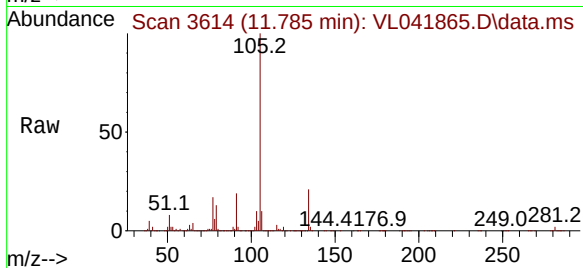




#67
 sec-Butylbenzene
 Concen: 16.090 ppbv
 RT: 11.785 min Scan# 3614
 Delta R.T. -0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

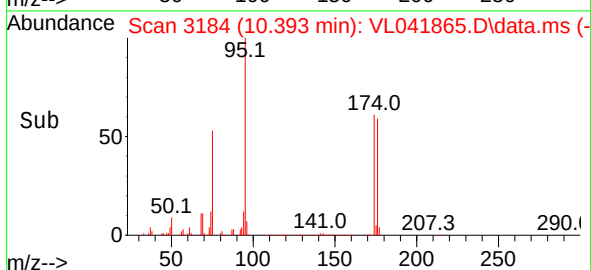
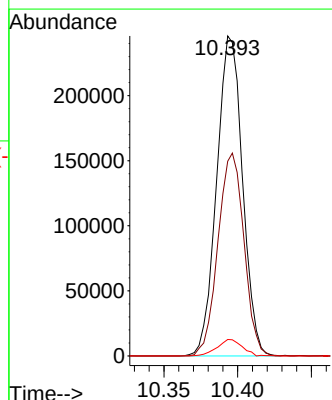
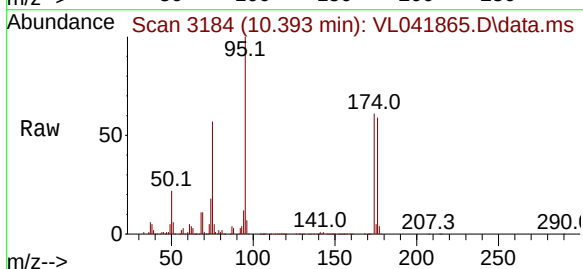
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

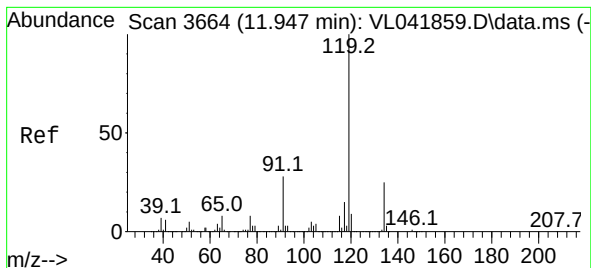
Tgt Ion:105 Resp: 1472665
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.232 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. -0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Tgt Ion: 95 Resp: 299372
 Ion Ratio Lower Upper
 95 100
 174 63.7 51.1 76.7
 175 5.0 3.8 5.8

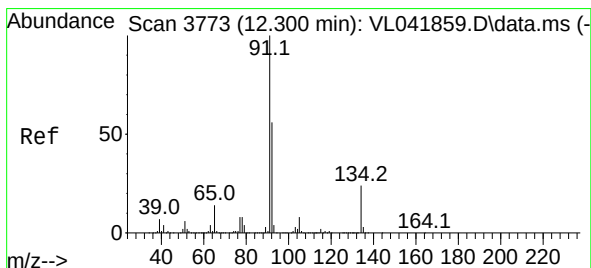
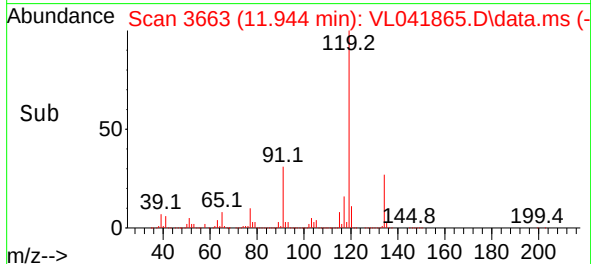
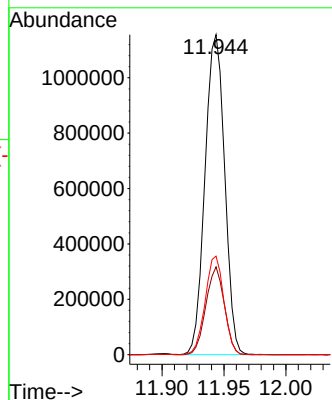
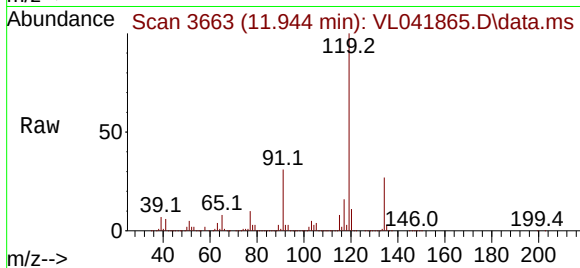




#69
 p-Isopropyltoluene
 Concen: 17.781 ppbv
 RT: 11.944 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

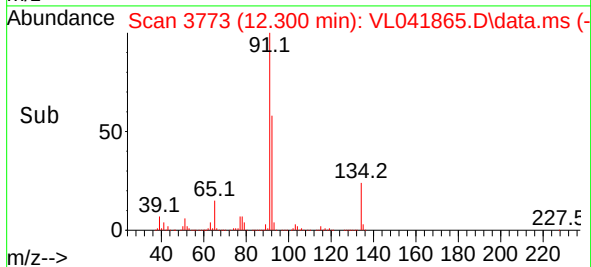
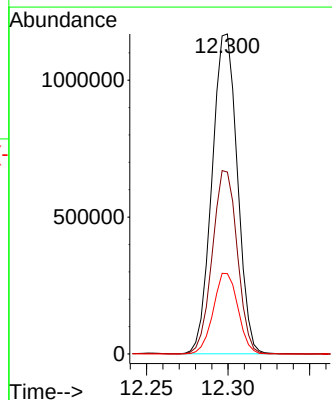
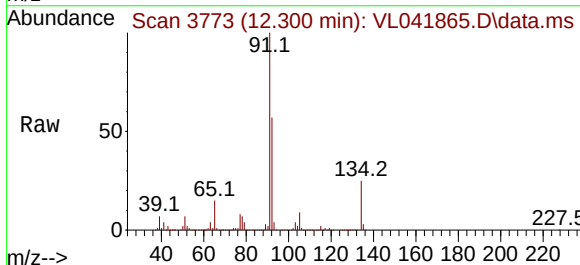
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

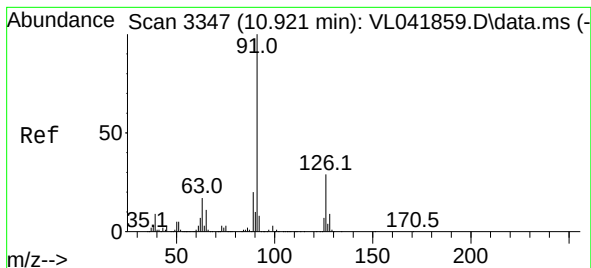
Tgt Ion:119 Resp: 1277666
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.3 30.5
 91 29.3 22.6 34.0



#70
 n-Butylbenzene
 Concen: 17.488 ppbv
 RT: 12.300 min Scan# 3773
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Tgt Ion: 91 Resp: 1262477
 Ion Ratio Lower Upper
 91 100
 92 56.7 43.8 65.8
 134 24.6 19.3 28.9

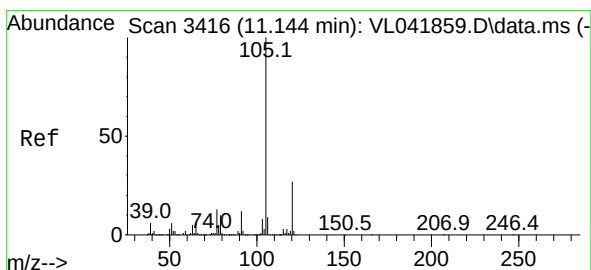
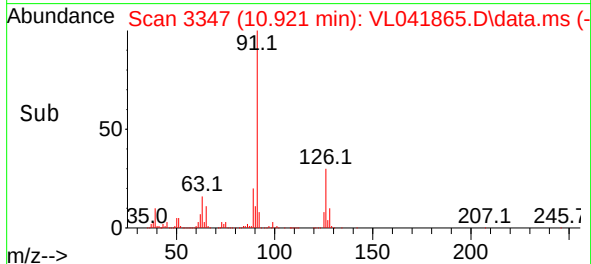
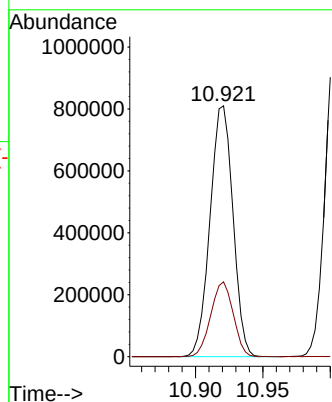
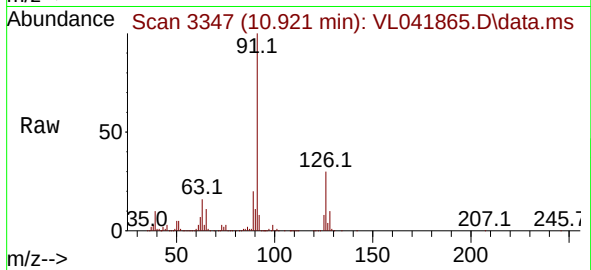




#71
2-Chlorotoluene
Concen: 18.973 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

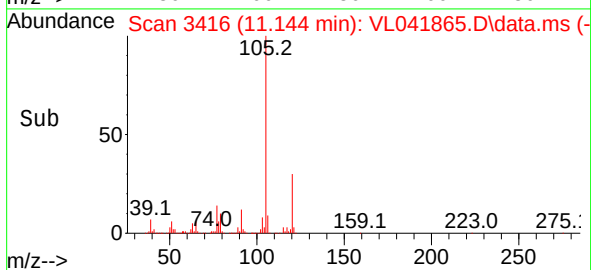
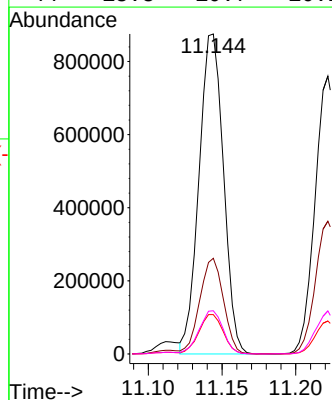
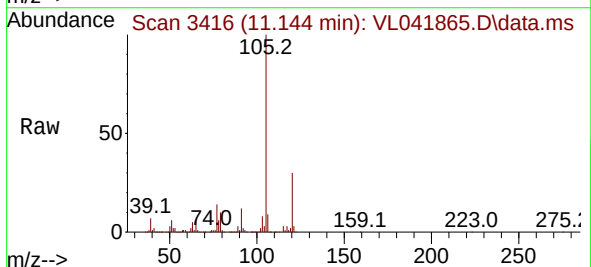
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

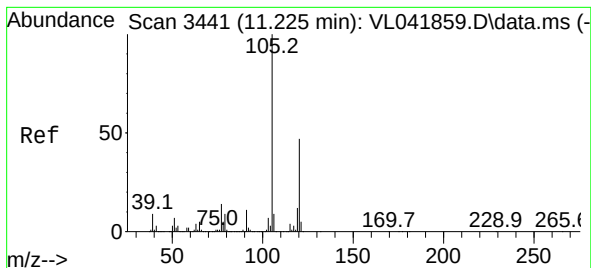
Tgt Ion: 91 Resp: 958596
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.6



#72
4-Ethyltoluene
Concen: 18.837 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:105 Resp: 1009262
Ion Ratio Lower Upper
105 100
120 30.1 23.5 35.3
91 12.9 9.8 14.8
77 13.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 18.459 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

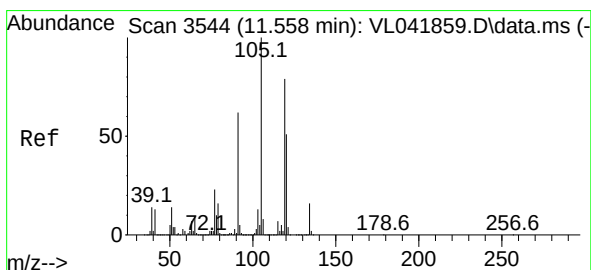
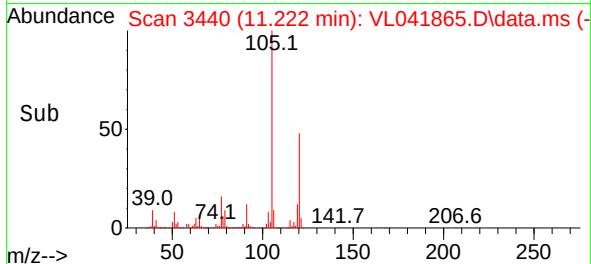
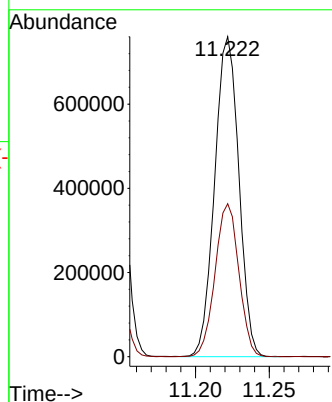
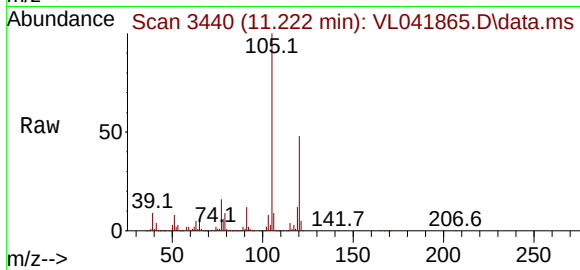
VSTDIC015

Tgt Ion:105 Resp: 866209

Ion Ratio Lower Upper

105 100

120 47.8 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 16.660 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Tgt Ion:105 Resp: 905561

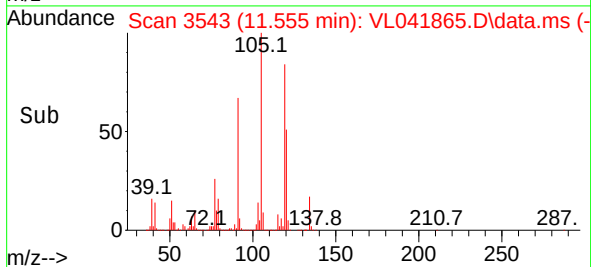
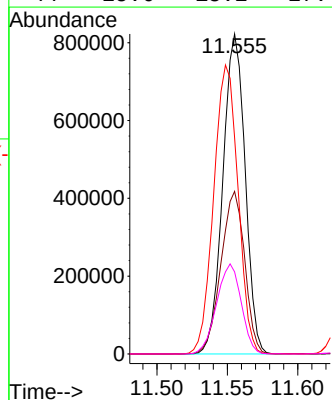
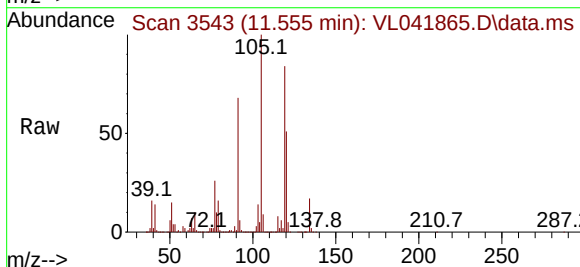
Ion Ratio Lower Upper

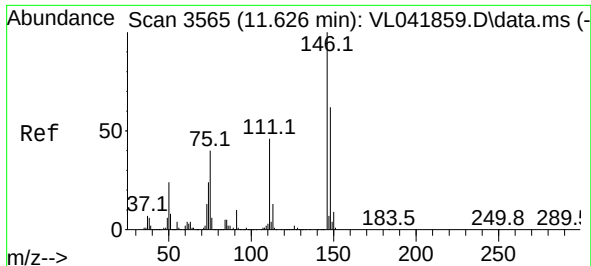
105 100

120 50.8 41.1 61.7

91 67.6 50.0 75.0

77 25.6 18.2 27.4

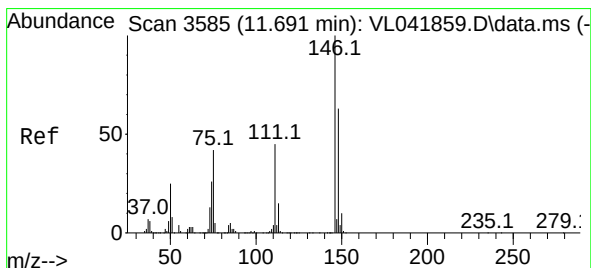
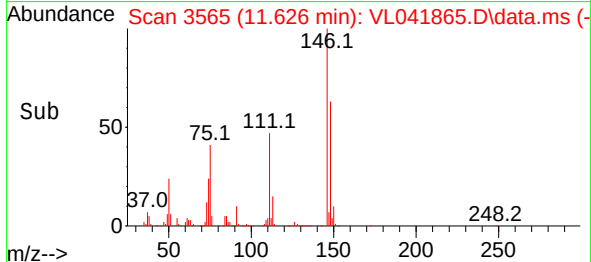
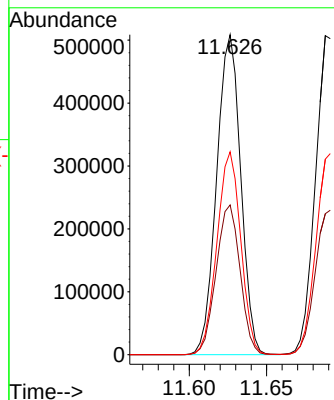
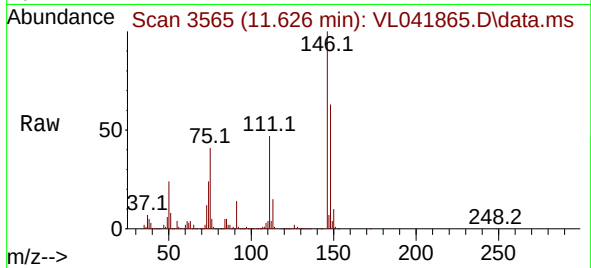




#75
1,3-Dichlorobenzene
Concen: 15.122 ppbv
RT: 11.626 min Scan# 3565
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

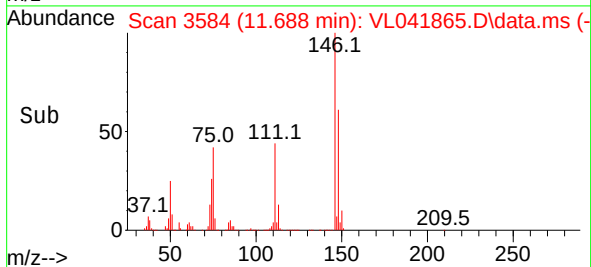
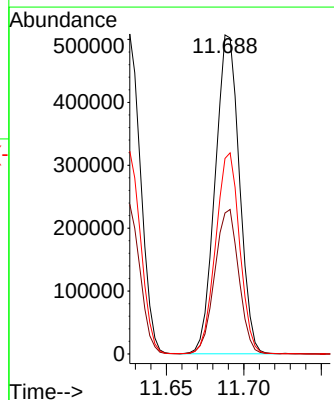
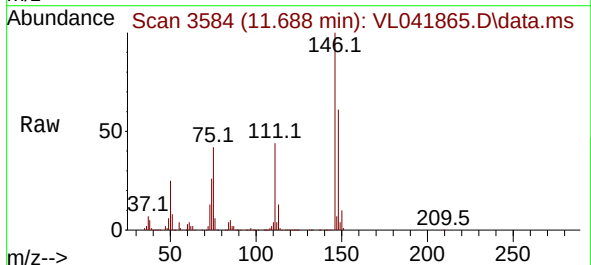
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

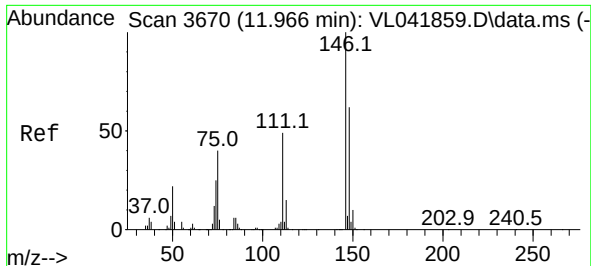
Tgt Ion:146 Resp: 550141
Ion Ratio Lower Upper
146 100
111 46.6 23.2 69.5
148 62.8 31.6 94.7



#76
1,4-Dichlorobenzene
Concen: 15.719 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:146 Resp: 550306
Ion Ratio Lower Upper
146 100
111 45.1 22.1 66.1
148 62.8 31.2 93.6

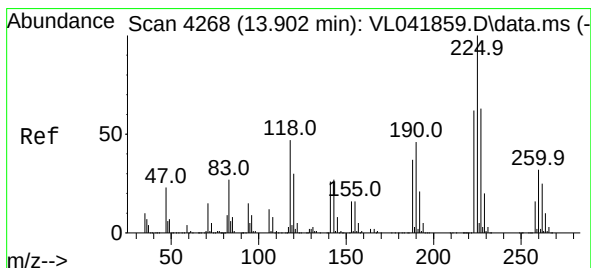
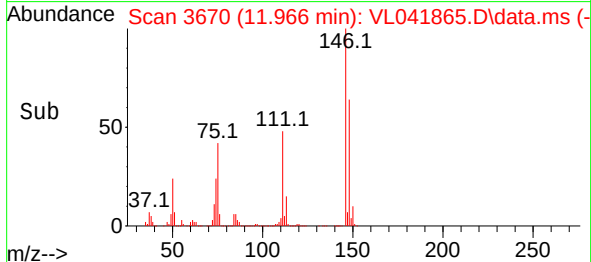
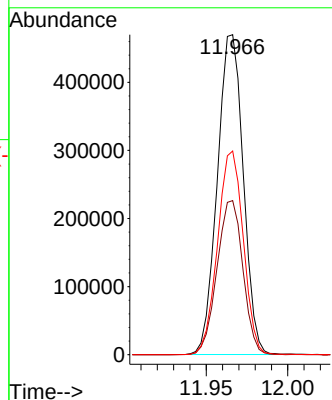
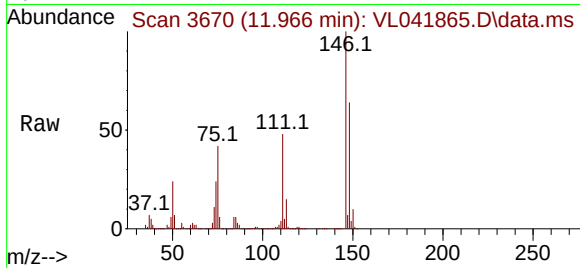




#77
1,2-Dichlorobenzene
Concen: 13.701 ppbv
RT: 11.966 min Scan# 3670
Delta R.T. 0.000 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

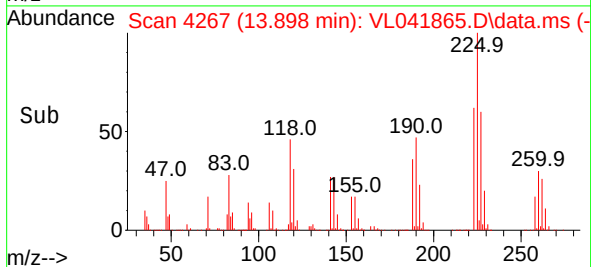
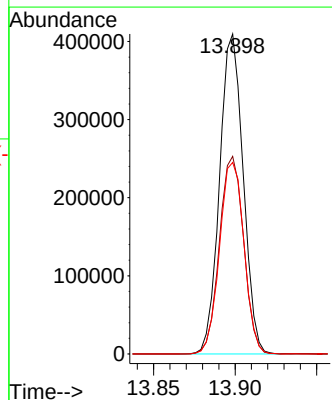
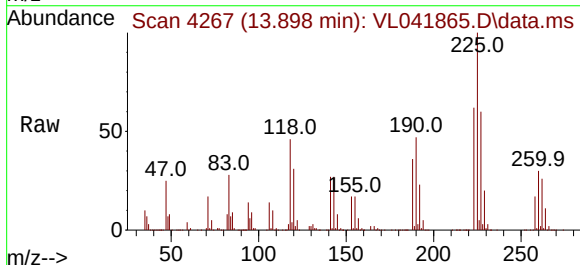
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

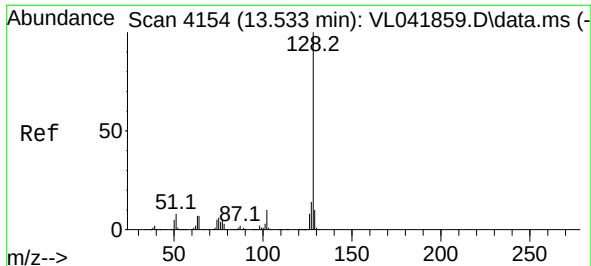
Tgt Ion:146 Resp: 519421
Ion Ratio Lower Upper
146 100
111 48.2 24.1 72.3
148 63.2 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 15.294 ppbv
RT: 13.898 min Scan# 4267
Delta R.T. -0.003 min
Lab File: VL041865.D
Acq: 09 Jan 2025 14:27

Tgt Ion:225 Resp: 411642
Ion Ratio Lower Upper
225 100
223 63.4 50.6 75.8
227 62.2 50.9 76.3





#79

Naphthalene

Concen: 22.388 ppbv

RT: 13.529 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

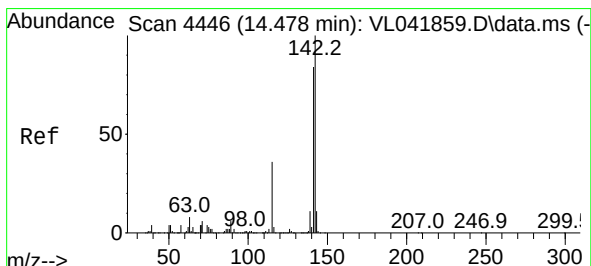
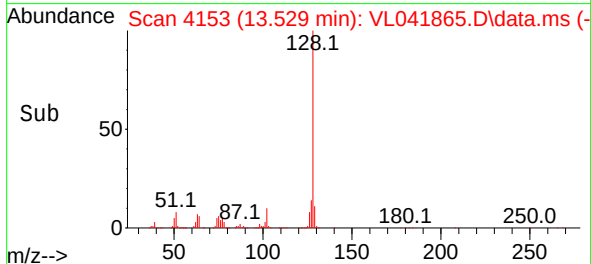
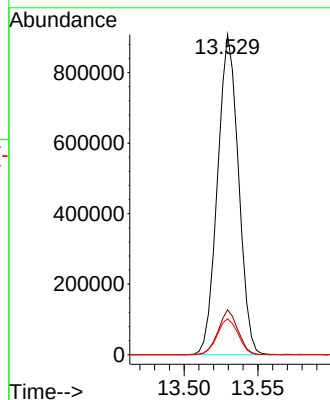
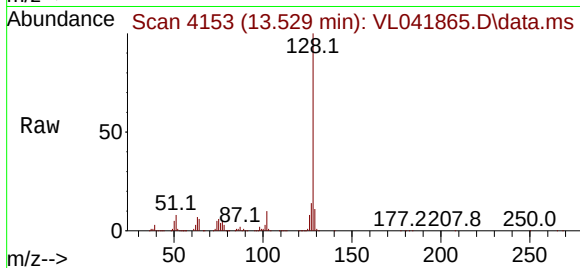
Tgt Ion:128 Resp: 896443

Ion Ratio Lower Upper

128 100

127 14.0 10.8 16.2

129 11.2 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 29.902 ppbv

RT: 14.475 min Scan# 4445

Delta R.T. -0.003 min

Lab File: VL041865.D

Acq: 09 Jan 2025 14:27

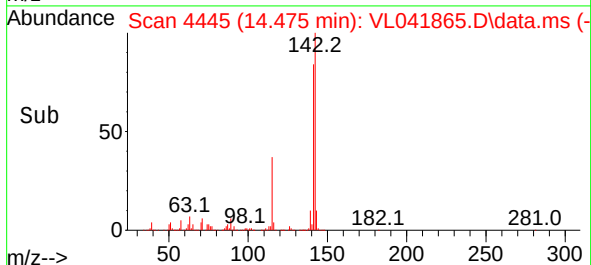
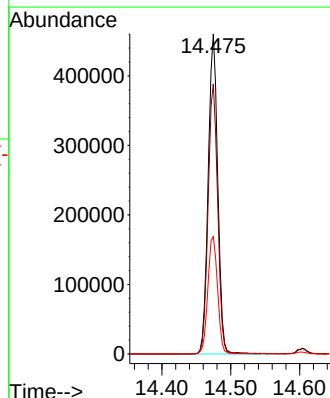
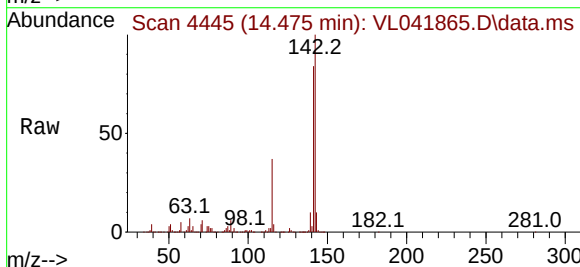
Tgt Ion:142 Resp: 443159

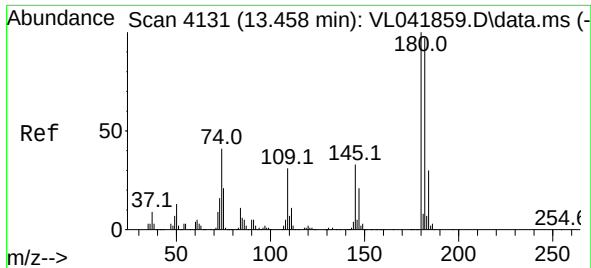
Ion Ratio Lower Upper

142 100

141 84.6 68.2 102.4

115 37.6 29.4 44.2

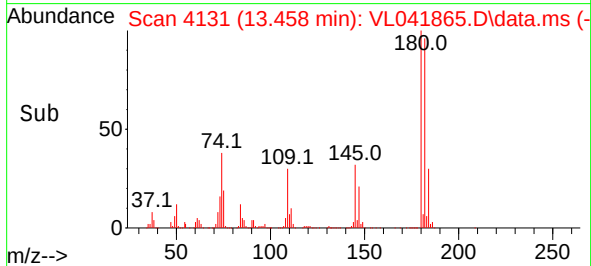
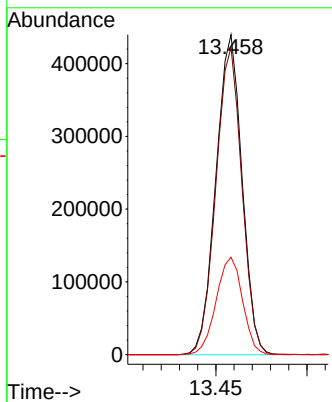
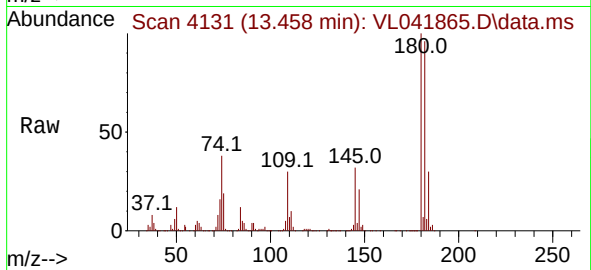




#81
 1,2,4-Trichlorobenzene
 Concen: 19.665 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041865.D
 Acq: 09 Jan 2025 14:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 436412
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.8 113.8
 184 30.9 24.1 36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041866.D
 Acq On : 09 Jan 2025 15:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

Quant Time: Jan 10 00:27:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	133443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	399044	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	363459	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	291470	10.001	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	213962	9.767	ppbv	99
3) Chlorodifluoromethane	1.479	51	225635	9.377	ppbv	97
4) Chloromethane	1.538	50	80251	9.424	ppbv	92
5) Vinyl Chloride	1.586	62	79865	8.819	ppbv	99
6) Bromomethane	1.674	94	37306	8.740	ppbv	99
7) Chloroethane	1.709	64	31703	9.031	ppbv	94
8) Dichlorotetrafluoroethane	1.560	85	181663	9.538	ppbv	99
9) Propene	1.489	41	99446	8.857	ppbv	99
10) Heptane	5.004	43	273051	9.222	ppbv	100
11) Trichlorofluoromethane	1.884	101	215460	9.569	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.149	101	171593	9.420	ppbv	98
13) Ethanol	1.729	45	4826	6.767	ppbv	86
14) Bromoethene	1.787	108	61700	9.463	ppbv	99
15) Acetone	1.842	43	172416	7.661	ppbv	100
16) 1,3-Butadiene	1.615	39	83662	8.654	ppbv	99
17) tert-Butyl alcohol	2.049	59	246893	9.669	ppbv	99
18) 1,1-Dichloroethene	2.043	96	79001	9.584	ppbv	92
19) Isopropyl Alcohol	1.894	45	103696	8.766	ppbv	99
20) Methylene Chloride	2.069	84	65389	8.517	ppbv	89
21) Allyl Chloride	2.104	41	131366	9.122	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	87967	9.216	ppbv	99
23) Vinyl Acetate	2.473	43	107320	9.411	ppbv #	99
24) 1,1-Dichloroethane	2.418	63	167453	9.264	ppbv	98
25) Ethyl Acetate	2.849	43	537722	9.615	ppbv	99
26) Hexane	2.839	57	213717	9.290	ppbv	99
27) Carbon Disulfide	2.159	76	211082	9.579	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	150727	8.585	ppbv	99
29) Chloroform	2.861	83	302132	9.385	ppbv	99
30) Cyclohexane	3.878	84	187848	9.508	ppbv	99
31) cis-1,2-Dichloroethene	2.732	61	215939	9.604	ppbv	95
32) 1,1,1-Trichloroethane	3.383	97	308704	9.654	ppbv	98
34) 2-Butanone	2.567	43	305484	9.209	ppbv	98
35) Carbon Tetrachloride	3.781	117	302110	9.742	ppbv	99
36) Benzene	3.674	78	448544	9.689	ppbv	96
37) 1,2-Dichloroethane	3.234	62	233663	9.621	ppbv	99
38) Trichloroethene	4.570	130	171695	9.393	ppbv	98
39) 1,2-Dichloropropane	4.334	63	157431	9.560	ppbv	99
40) 1,4-Dioxane	4.606	88	74011	8.937	ppbv #	87
41) Tetrahydrofuran	3.069	42	181706	9.327	ppbv	98
42) Bromodichloromethane	4.512	83	329142	9.864	ppbv	100
43) Methyl Methacrylate	4.907	69	179603	9.474	ppbv	100
44) 2,2,4-Trimethylpentane	4.668	57	741253	9.479	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	182207	9.391	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041866.D
 Acq On : 09 Jan 2025 15:15
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

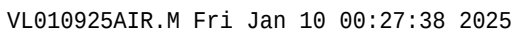
Instrument :
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 ClientSampleId :
 ICVVL010925

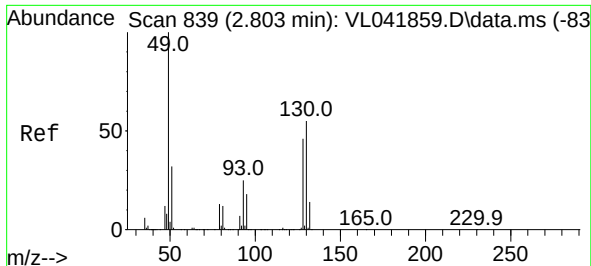
Quant Time: Jan 10 00:27:25 2025
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:10:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	236106	9.483	ppbv	99
47) 1,1,2-Trichloroethane	6.610	97	165331	9.543	ppbv	98
48) Dibromochloromethane	7.409	129	266338	10.137	ppbv	99
49) Bromoform	9.500	173	230376	10.047	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	447733	9.458	ppbv	100
51) 2-Hexanone	7.458	43	363718	9.341	ppbv	99
52) Tetrachloroethene	8.244	164	151399	8.536	ppbv	98
53) Toluene	6.959	91	517284	9.395	ppbv	99
54) 1,2-Dibromoethane	7.674	107	226153	9.598	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.943	131	209474	9.669	ppbv	100
57) Chlorobenzene	8.940	112	383752	9.470	ppbv	98
58) Ethyl Benzene	9.374	91	717041	9.595	ppbv	100
59) m/p-Xylene	9.548	91	575290	9.741	ppbv #	100
60) o-Xylene	9.982	91	555689	9.433	ppbv	100
61) Styrene	9.888	104	276061	9.385	ppbv	99
62) Isopropylbenzene	10.555	105	835024	9.415	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.979	83	327345	9.252	ppbv	100
64) n-propylbenzene	11.002	120	211515	9.153	ppbv	99
65) tert-Butylbenzene	11.545	119	747696	9.315	ppbv	100
66) Benzyl Chloride	11.630	91	68070	8.187	ppbv	99
67) sec-Butylbenzene	11.782	105	1020583	9.228	ppbv	99
69) p-Isopropyltoluene	11.940	119	862841	9.143	ppbv	100
70) n-Butylbenzene	12.296	91	843727	8.907	ppbv	100
71) 2-Chlorotoluene	10.917	91	625951	9.116	ppbv	100
72) 4-Ethyltoluene	11.141	105	668428	9.254	ppbv	100
73) 1,3,5-Trimethylbenzene	11.218	105	572229	9.332	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	607041	9.114	ppbv	95
75) 1,3-Dichlorobenzene	11.623	146	348741	8.734	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	351167	8.884	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	336372	8.912	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	247845	7.639	ppbv	99
79) Naphthalene	13.526	128	544143	7.583	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	232445	6.006	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	269501	7.888	ppbv	98

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

Quant Time: Jan 10 00:27:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:10:04 2025
Response via : Initial Calibration

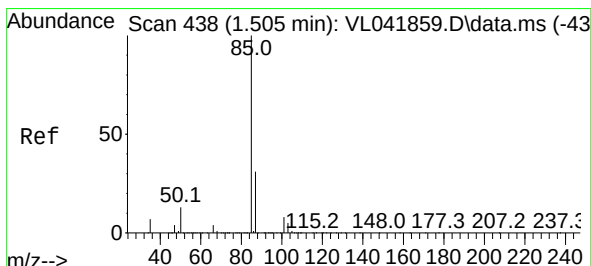
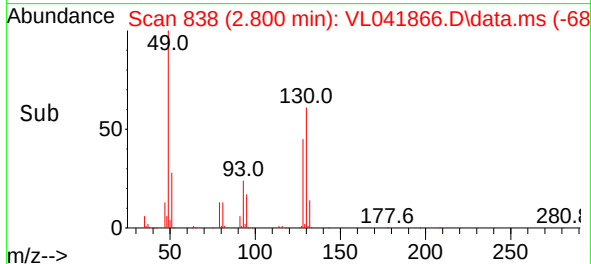
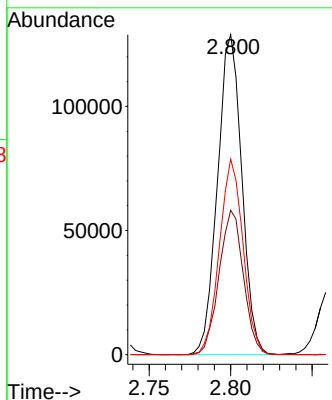
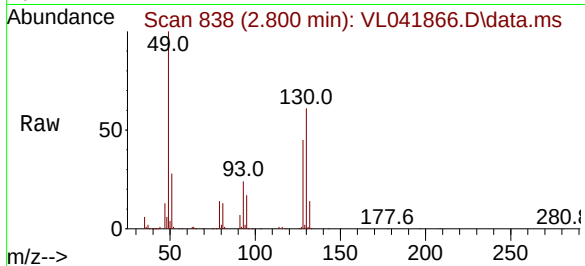




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 839
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

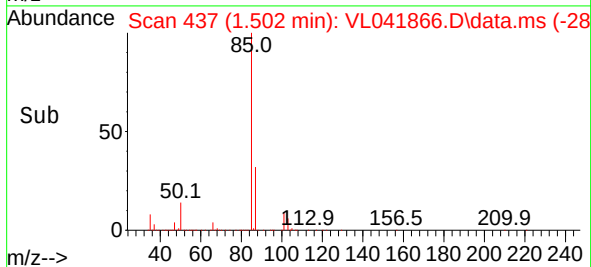
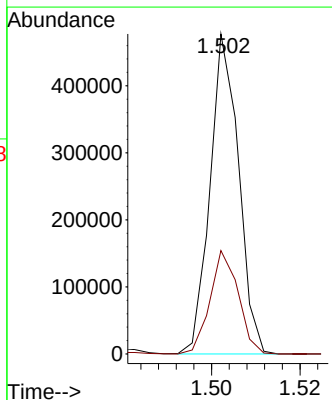
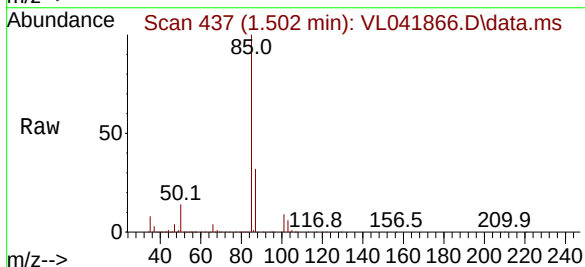
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

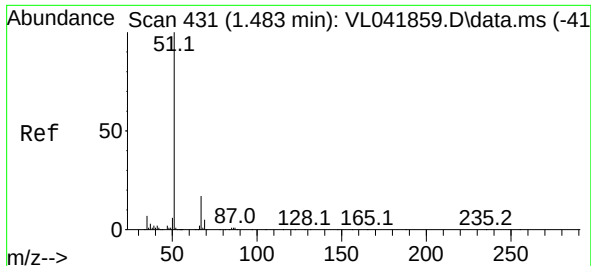
Tgt Ion: 49 Resp: 133443
Ion Ratio Lower Upper
49 100
128 45.3 23.2 69.5
130 59.3 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 9.767 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 85 Resp: 213962
Ion Ratio Lower Upper
85 100
87 32.3 25.2 37.8

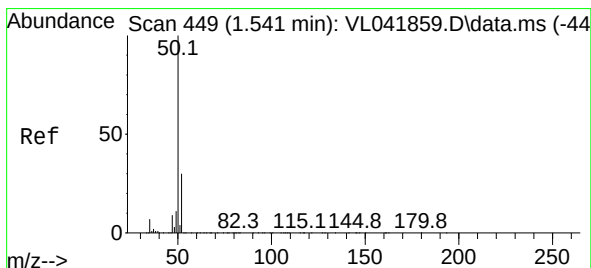
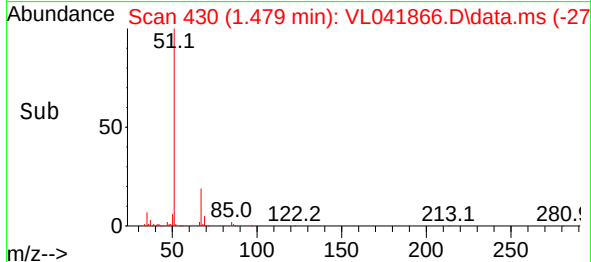
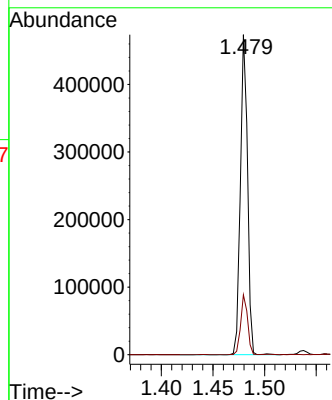
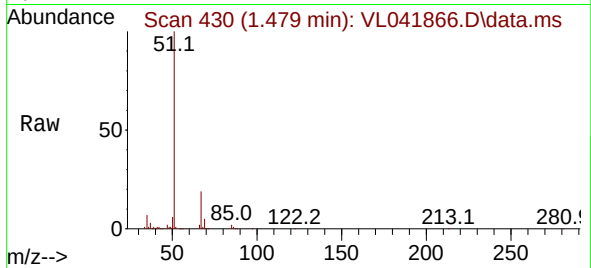




#3
Chlorodifluoromethane
Concen: 9.377 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

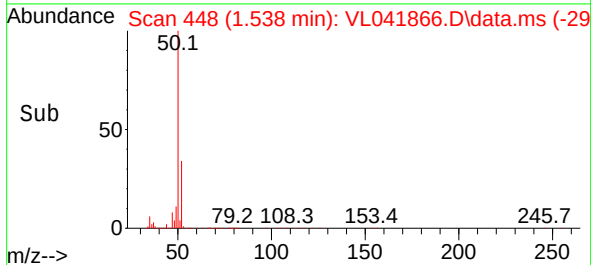
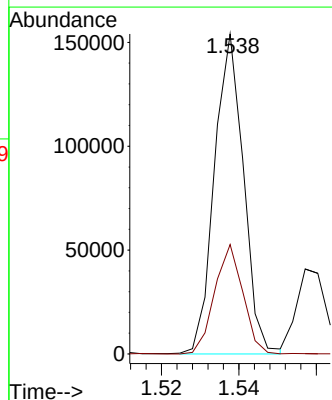
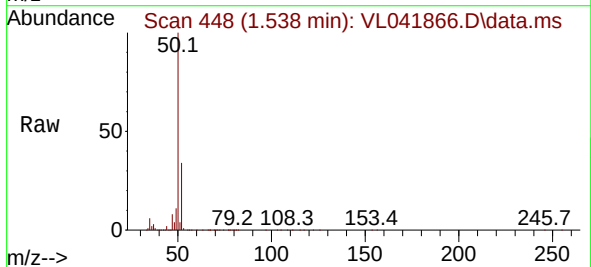
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

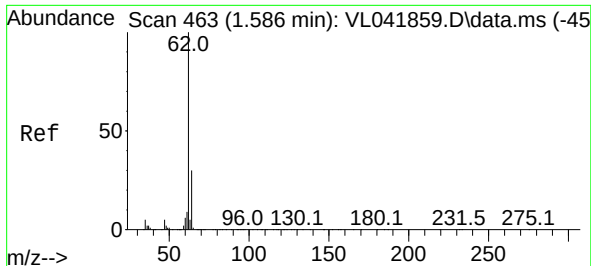
Tgt Ion: 51 Resp: 225635
Ion Ratio Lower Upper
51 100
67 18.5 13.8 20.8



#4
Chloromethane
Concen: 9.424 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 50 Resp: 80251
Ion Ratio Lower Upper
50 100
52 34.3 23.9 35.9

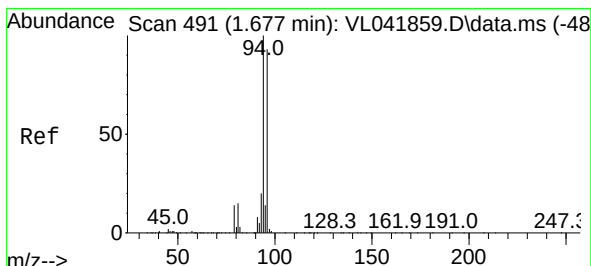
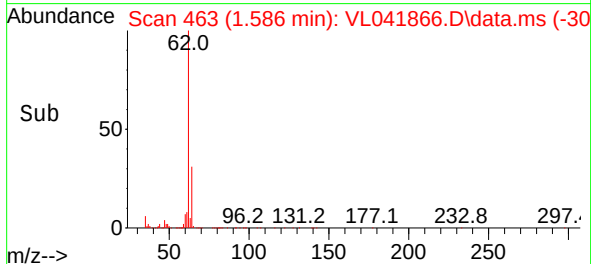
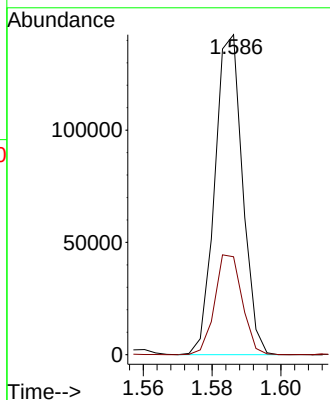
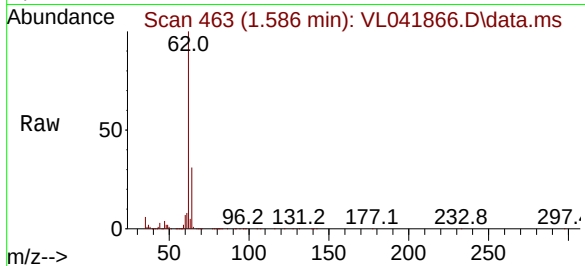




#5
 Vinyl Chloride
 Concen: 8.819 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. -0.000 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

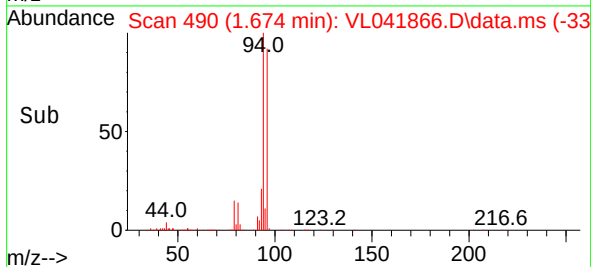
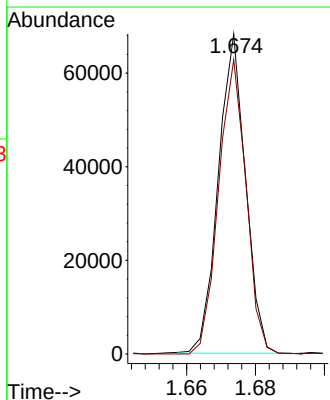
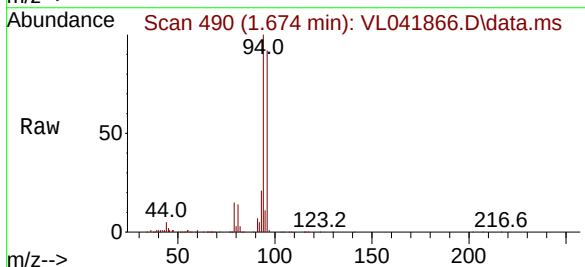
Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL010925

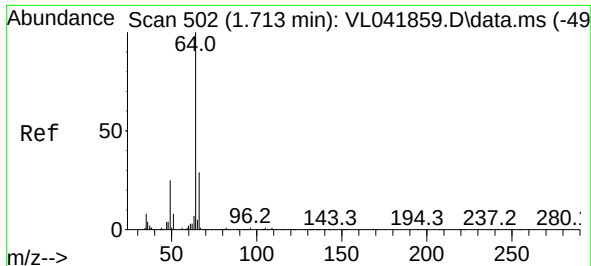
Tgt Ion: 62 Resp: 79865
 Ion Ratio Lower Upper
 62 100
 64 30.6 24.1 36.1



#6
 Bromomethane
 Concen: 8.740 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.003 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Tgt Ion: 94 Resp: 37306
 Ion Ratio Lower Upper
 94 100
 96 92.2 74.8 112.2

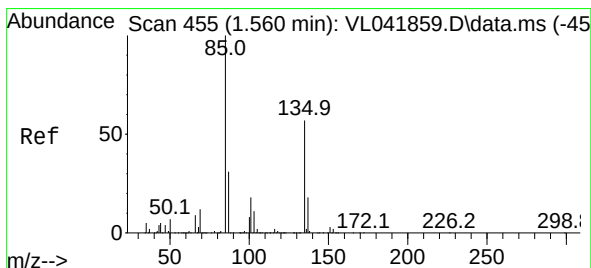
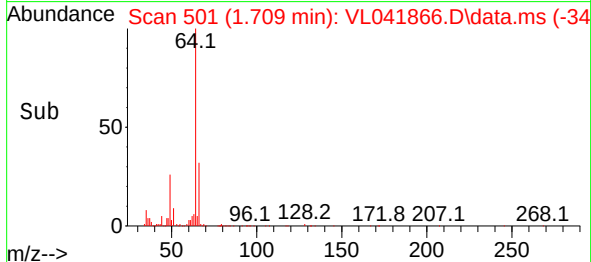
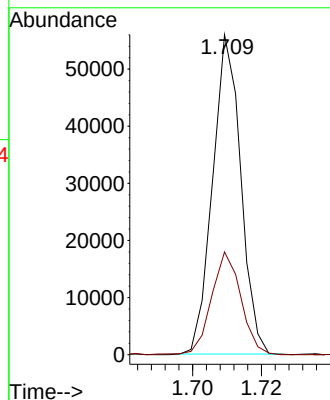
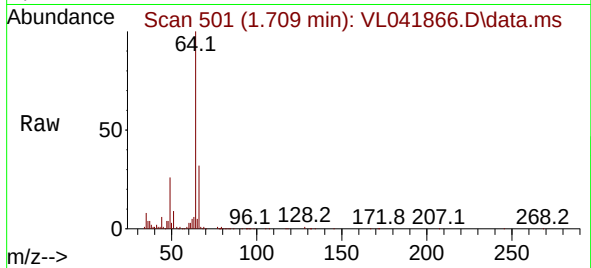




#7
Chloroethane
Concen: 9.031 ppbv
RT: 1.709 min Scan# 502
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

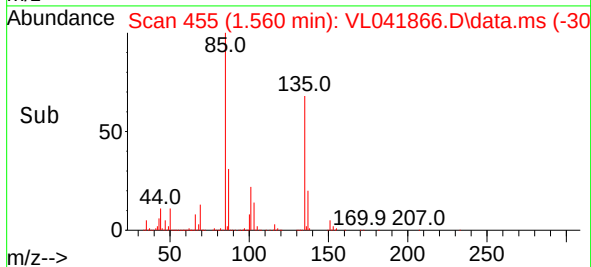
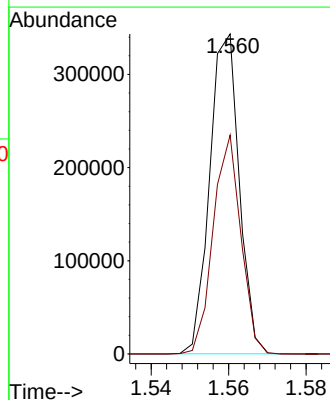
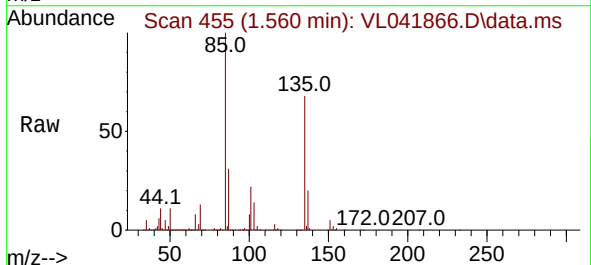
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

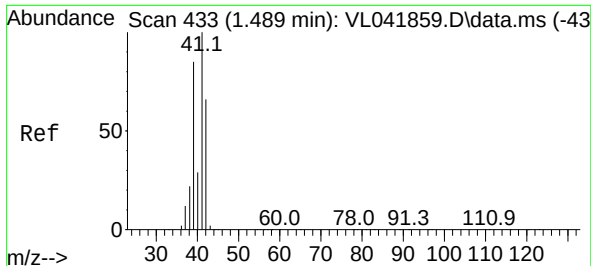
Tgt Ion: 64 Resp: 31703
Ion Ratio Lower Upper
64 100
66 32.1 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 9.538 ppbv
RT: 1.560 min Scan# 455
Delta R.T. -0.000 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 85 Resp: 181663
Ion Ratio Lower Upper
85 100
135 64.2 52.2 78.4





#9

Propene

Concen: 8.857 ppbv

RT: 1.489 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

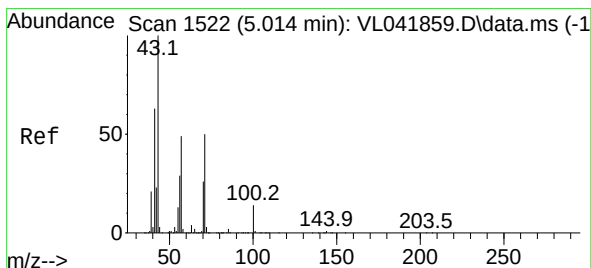
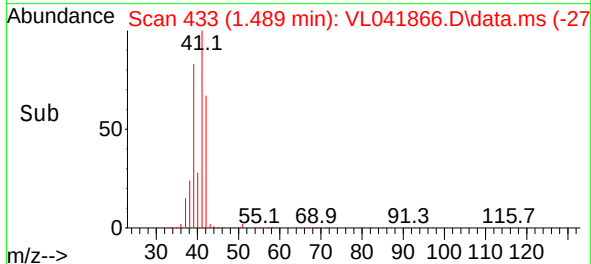
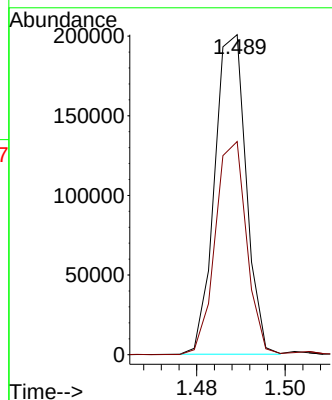
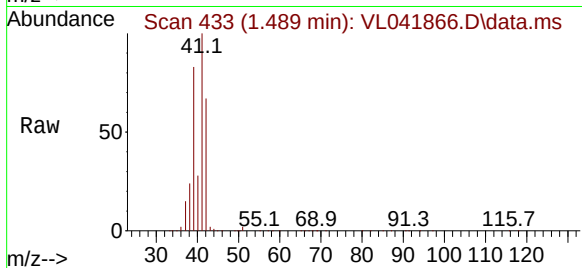
ICVVL010925

Tgt Ion: 41 Resp: 99446

Ion Ratio Lower Upper

41 100

42 67.2 53.0 79.6



#10

Heptane

Concen: 9.222 ppbv

RT: 5.004 min Scan# 1519

Delta R.T. -0.010 min

Lab File: VL041866.D

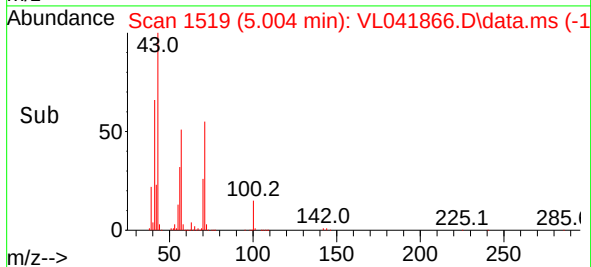
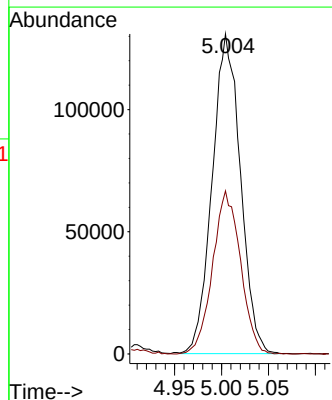
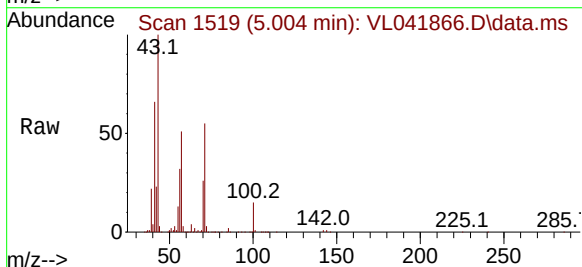
Acq: 09 Jan 2025 15:15

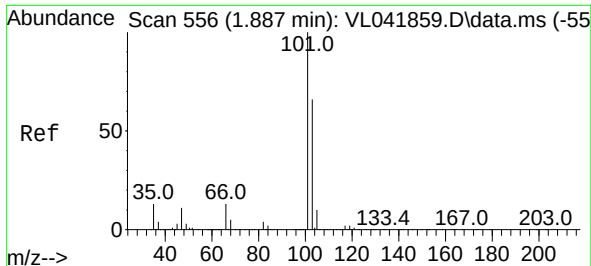
Tgt Ion: 43 Resp: 273051

Ion Ratio Lower Upper

43 100

57 50.2 40.2 60.2





#11

Trichlorofluoromethane

Concen: 9.569 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

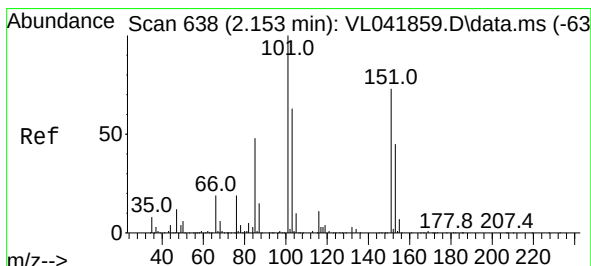
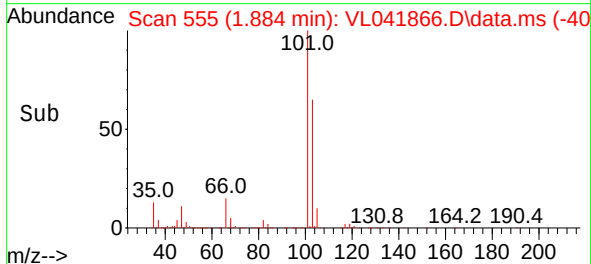
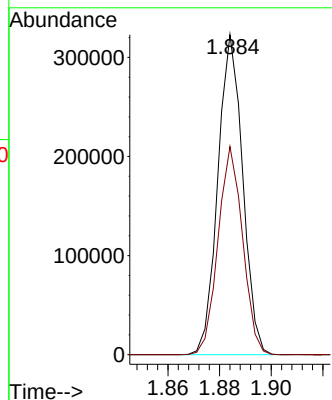
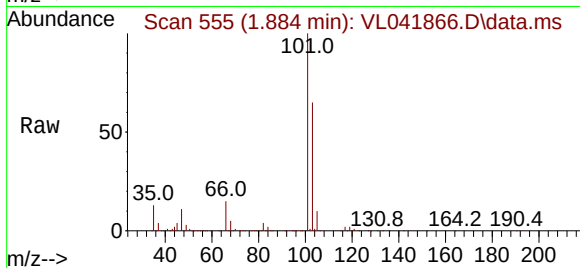
ICVVL010925

Tgt Ion:101 Resp: 215460

Ion Ratio Lower Upper

101 100

103 65.0 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.420 ppbv

RT: 2.149 min Scan# 637

Delta R.T. -0.003 min

Lab File: VL041866.D

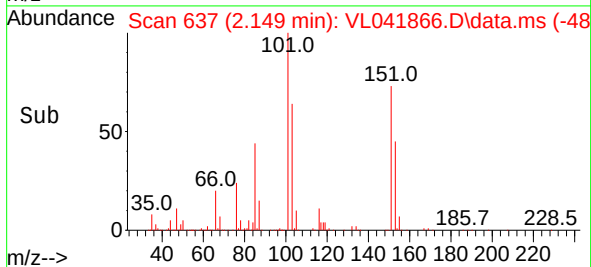
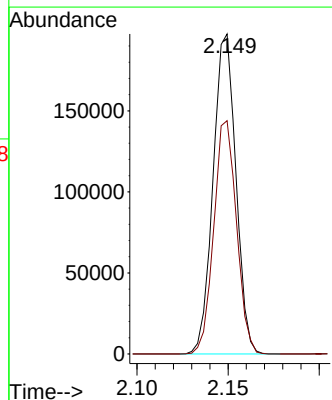
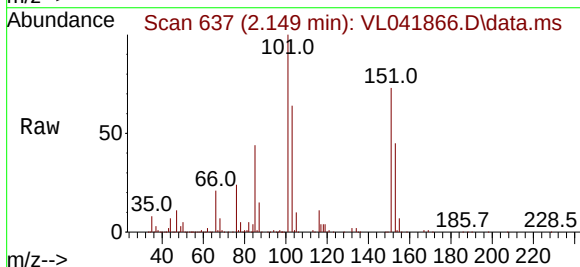
Acq: 09 Jan 2025 15:15

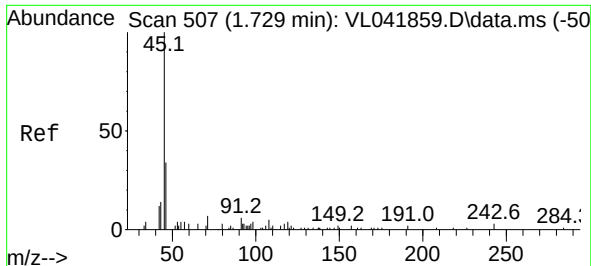
Tgt Ion:101 Resp: 171593

Ion Ratio Lower Upper

101 100

151 72.6 59.4 89.0





#13

Ethanol

Concen: 6.767 ppbv

RT: 1.729 min Scan# 507

Delta R.T. -0.000 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_1

ClientSampleId :

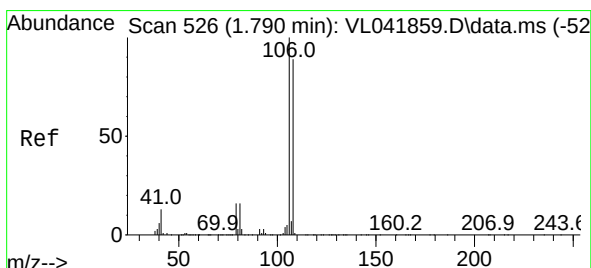
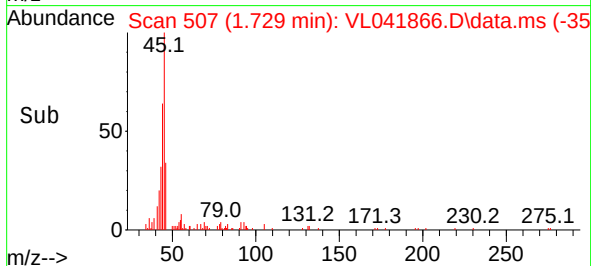
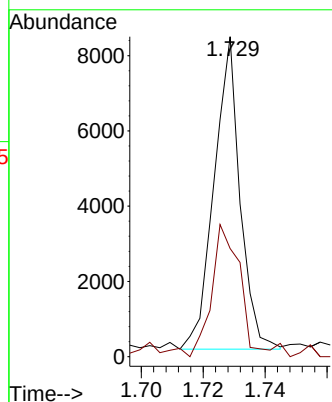
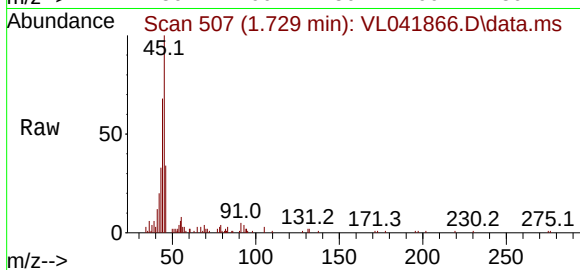
ICVVL010925

Tgt Ion: 45 Resp: 4826

Ion Ratio Lower Upper

45 100

46 56.9 19.0 76.0



#14

Bromoethene

Concen: 9.463 ppbv

RT: 1.787 min Scan# 525

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

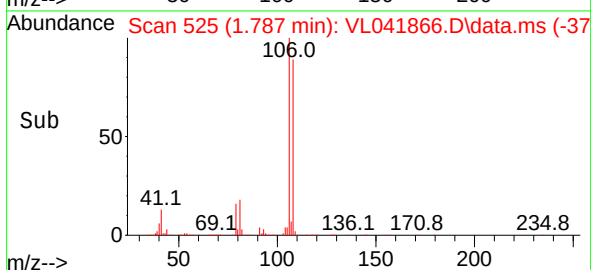
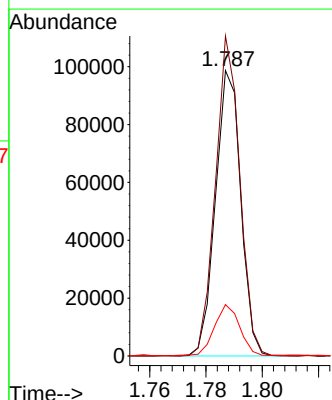
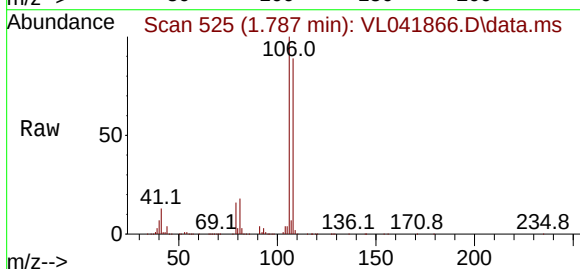
Tgt Ion: 108 Resp: 61700

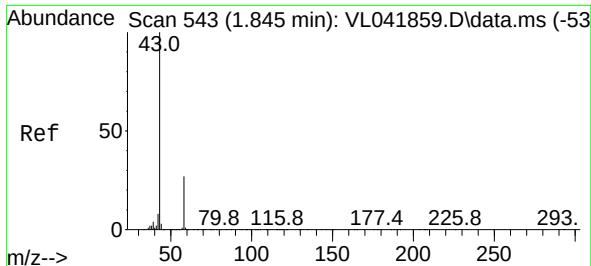
Ion Ratio Lower Upper

108 100

106 108.2 86.9 130.3

79 18.9 15.6 23.4





#15

Acetone

Concen: 7.661 ppbv

RT: 1.842 min Scan# 543

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

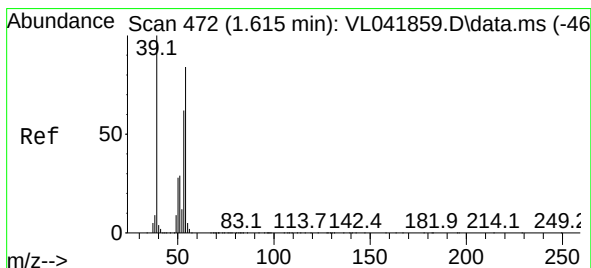
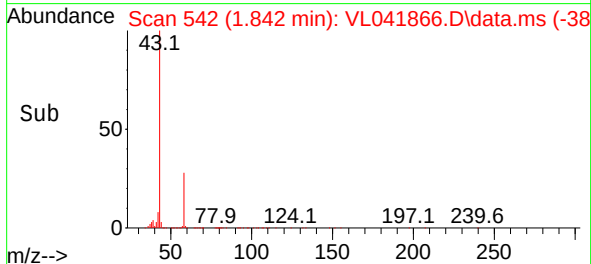
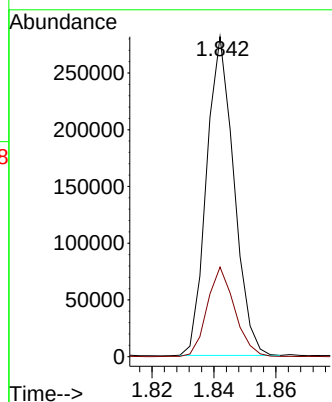
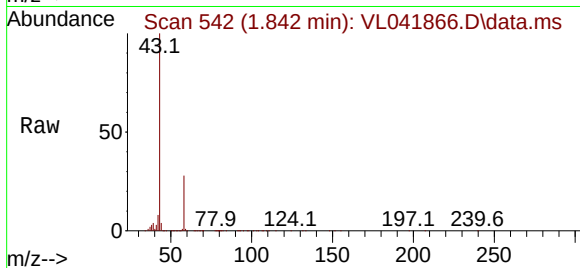
ICVVL010925

Tgt Ion: 43 Resp: 172416

Ion Ratio Lower Upper

43 100

58 28.4 22.7 34.1



#16

1,3-Butadiene

Concen: 8.654 ppbv

RT: 1.615 min Scan# 472

Delta R.T. -0.000 min

Lab File: VL041866.D

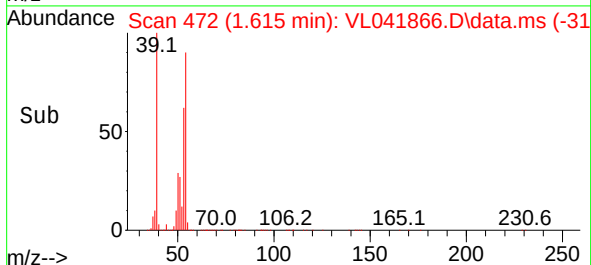
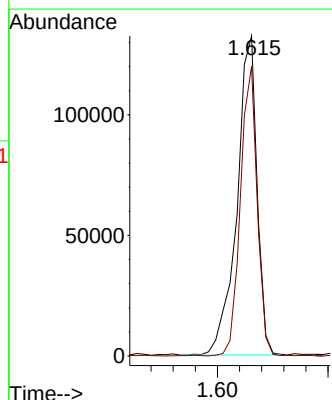
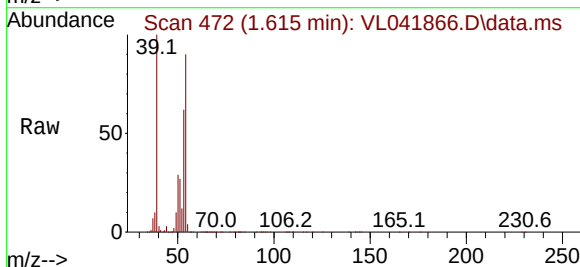
Acq: 09 Jan 2025 15:15

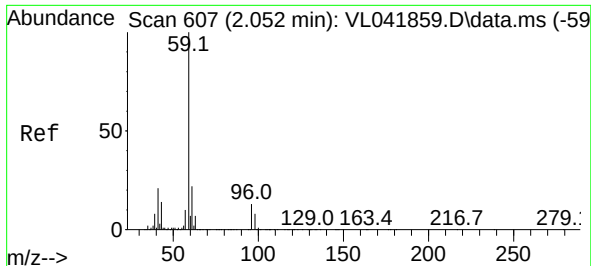
Tgt Ion: 39 Resp: 83662

Ion Ratio Lower Upper

39 100

54 76.2 60.1 90.1

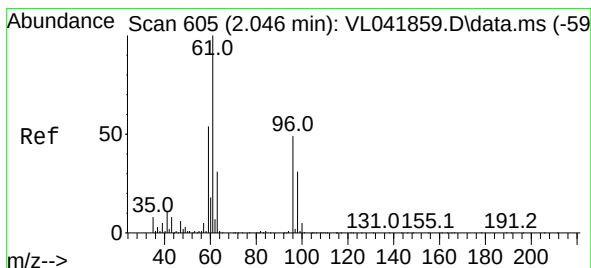
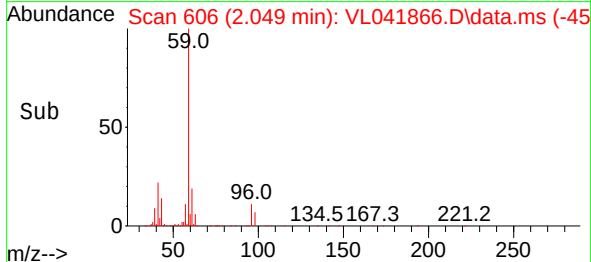
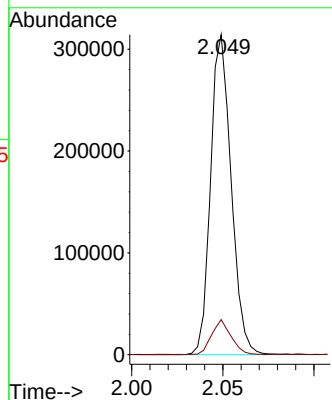
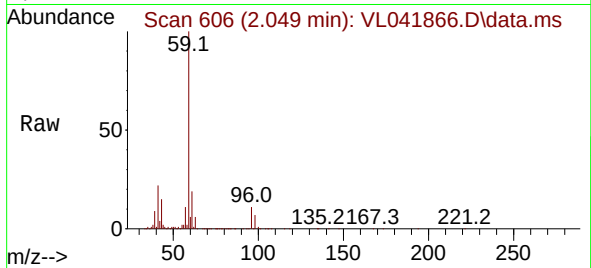




#17
tert-Butyl alcohol
Concen: 9.669 ppbv
RT: 2.049 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

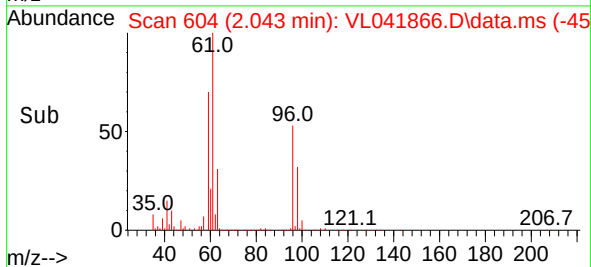
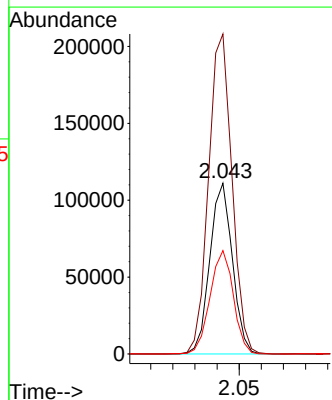
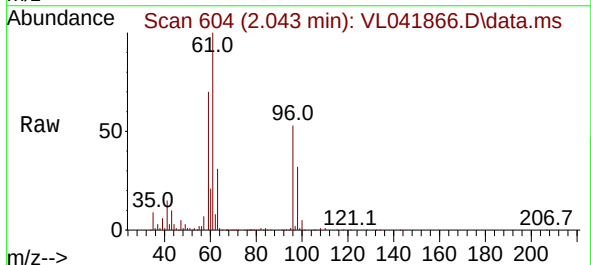
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

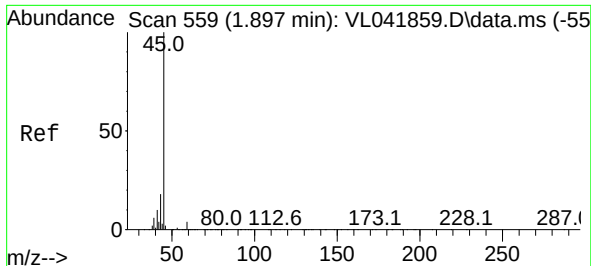
Tgt Ion: 59 Resp: 246893
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4



#18
1,1-Dichloroethene
Concen: 9.584 ppbv
RT: 2.043 min Scan# 604
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 96 Resp: 79001
Ion Ratio Lower Upper
96 100
61 187.4 161.7 242.5
98 60.6 51.0 76.4





#19

Isopropyl Alcohol

Concen: 8.766 ppbv

RT: 1.894 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

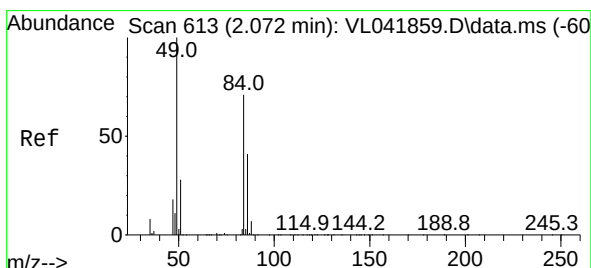
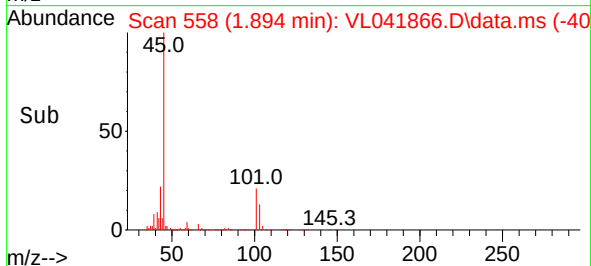
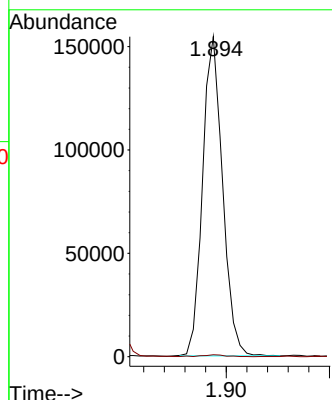
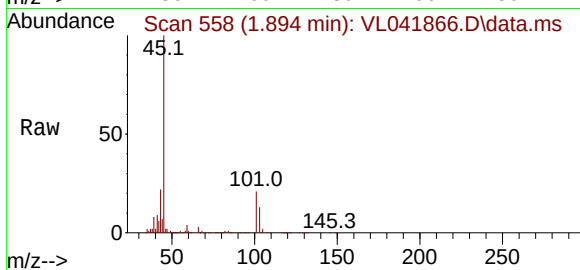
ICVVL010925

Tgt Ion: 45 Resp: 103696

Ion Ratio Lower Upper

45 100

58 47.2 37.0 55.6



#20

Methylene Chloride

Concen: 8.517 ppbv

RT: 2.069 min Scan# 612

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Tgt Ion: 84 Resp: 65389

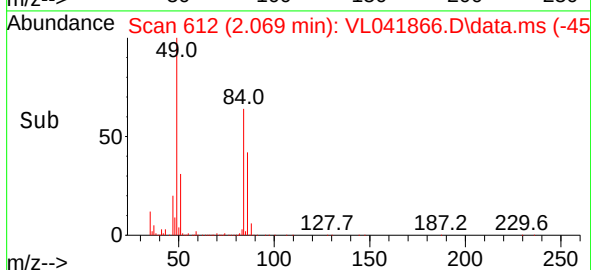
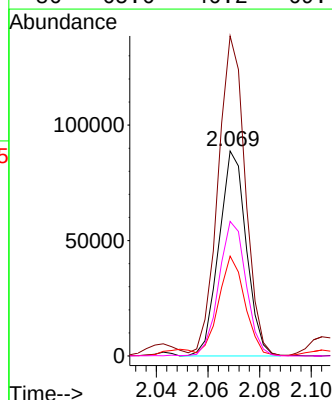
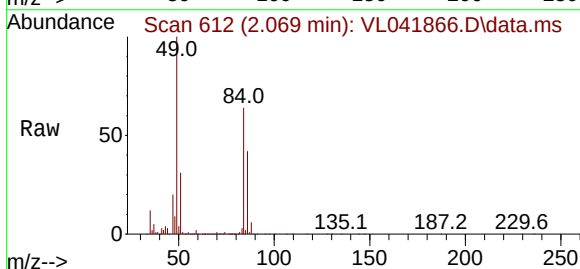
Ion Ratio Lower Upper

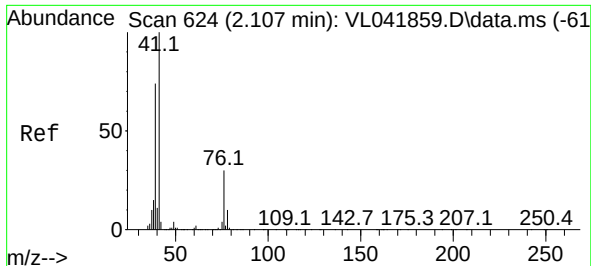
84 100

49 155.8 113.8 170.8

51 48.1 33.5 50.3

86 65.6 46.2 69.4

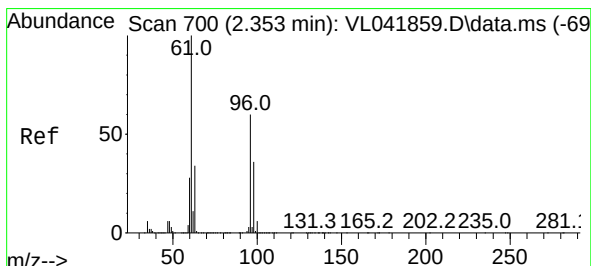
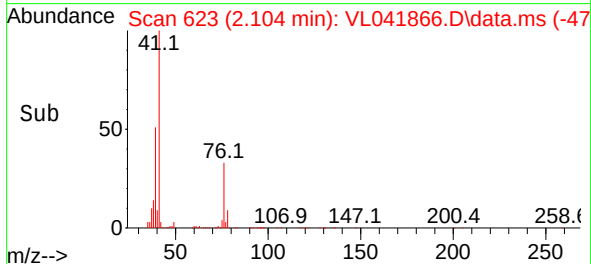
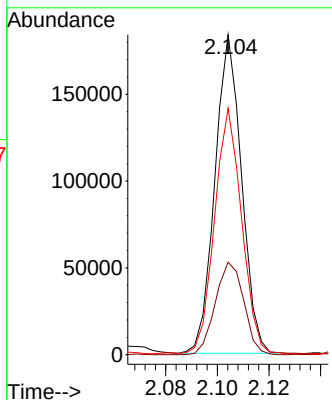
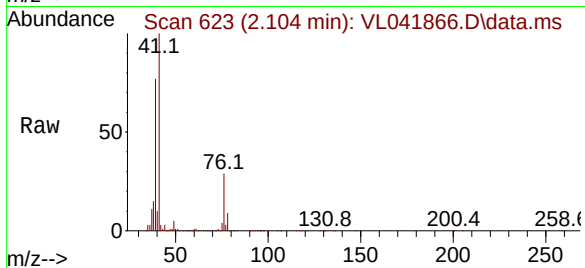




#21
 Allyl Chloride
 Concen: 9.122 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

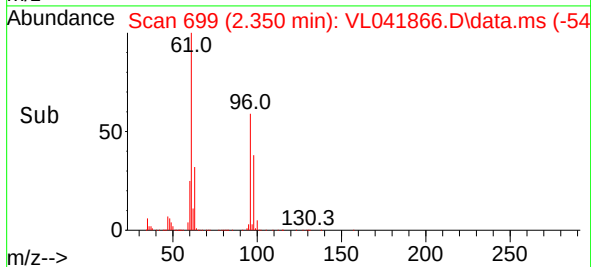
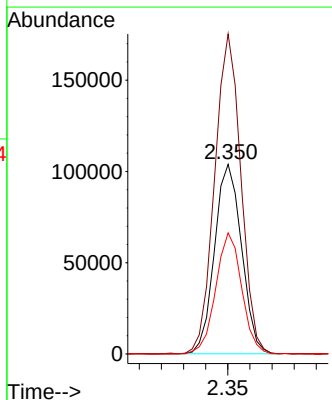
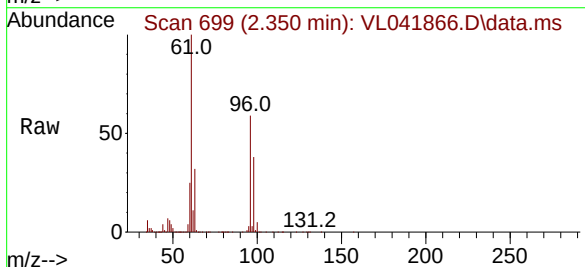
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

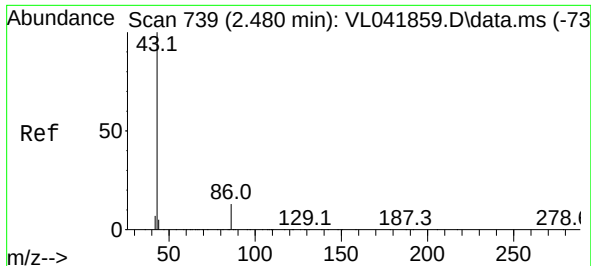
Tgt Ion: 41 Resp: 131366
 Ion Ratio Lower Upper
 41 100
 76 30.7 24.6 36.8
 39 78.9 60.1 90.1



#22
 trans-1,2-Dichloroethene
 Concen: 9.216 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. -0.003 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Tgt Ion: 96 Resp: 87967
 Ion Ratio Lower Upper
 96 100
 61 168.8 134.2 201.4
 98 63.9 49.0 73.4



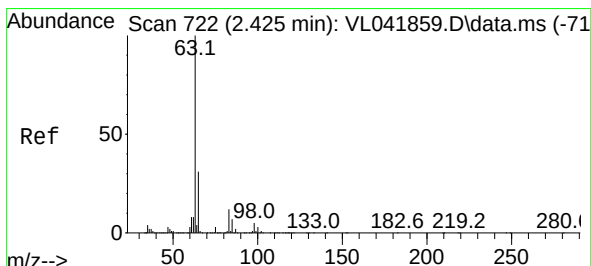
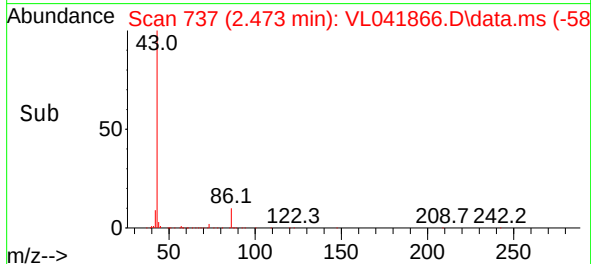
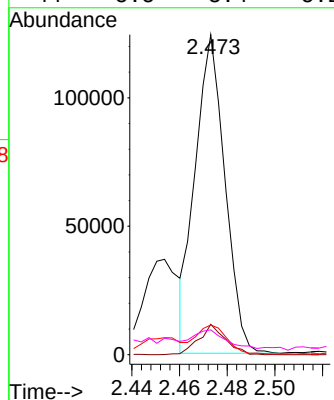
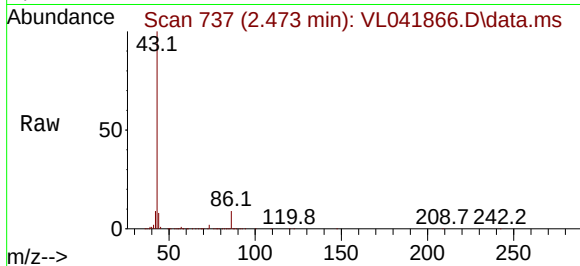


#23
 Vinyl Acetate
 Concen: 9.411 ppbv
 RT: 2.473 min Scan# 741
 Delta R.T. -0.007 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Instrument :
 MSVOA_1
 ClientSampleId :
 ICVVL010925

Tgt Ion: 43 Resp: 107320

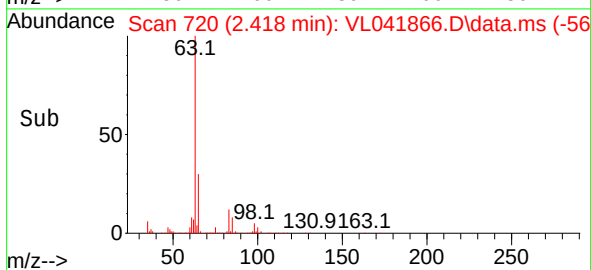
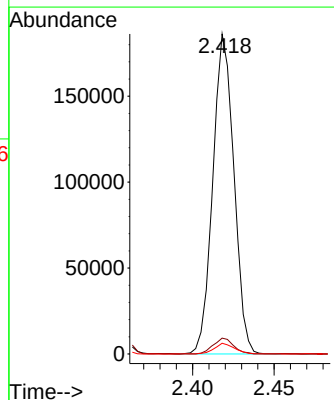
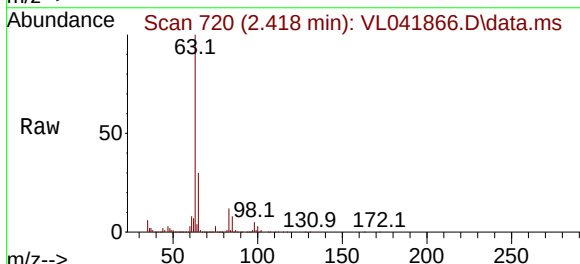
Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.8	11.6
42	9.1	7.0	10.4
44	5.5	3.4	5.2

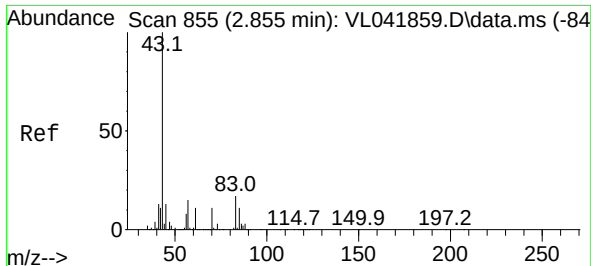


#24
 1,1-Dichloroethane
 Concen: 9.264 ppbv
 RT: 2.418 min Scan# 720
 Delta R.T. -0.006 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Tgt Ion: 63 Resp: 167453

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.9
100	3.4	1.3	3.8



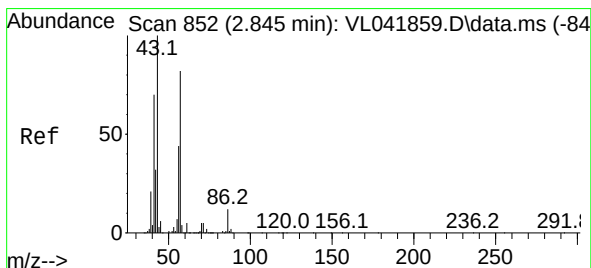
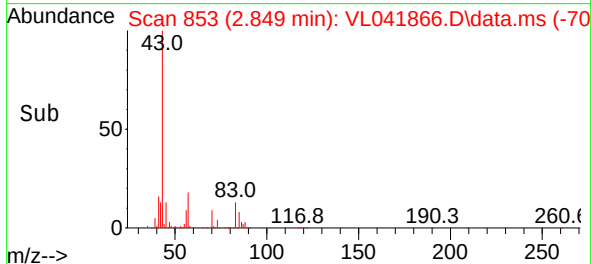
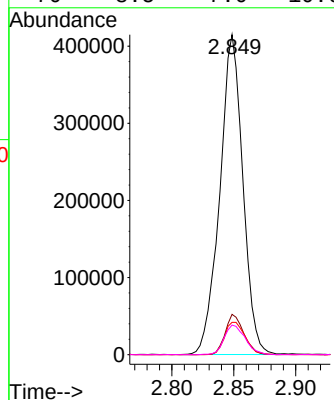
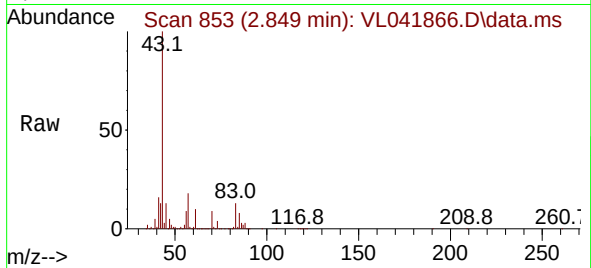


#25
Ethyl Acetate
Concen: 9.615 ppbv
RT: 2.849 min Scan# 849
Delta R.T. -0.007 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

Tgt Ion: 43 Resp: 537722

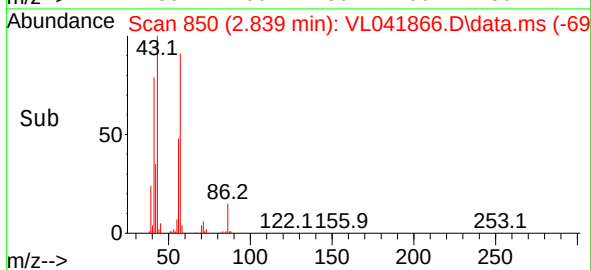
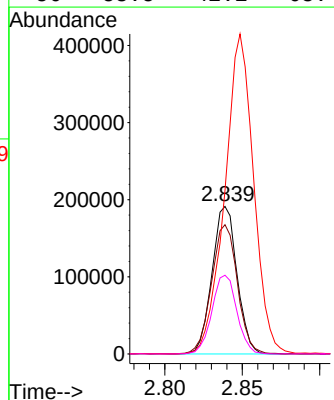
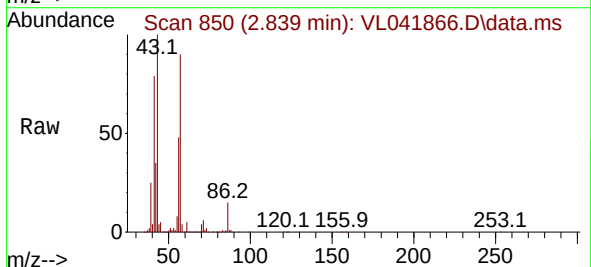
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	9.2	7.3	10.9
70	8.5	7.0	10.6

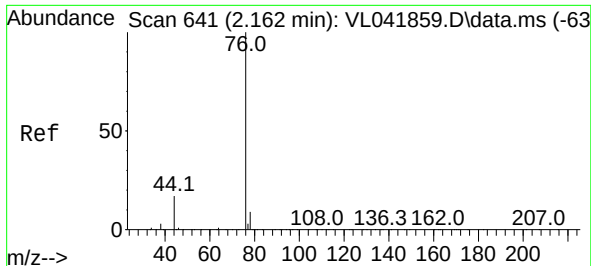


#26
Hexane
Concen: 9.290 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.006 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 57 Resp: 213717

Ion	Ratio	Lower	Upper
57	100		
41	91.1	71.5	107.3
43	252.2	200.2	300.4
56	53.5	42.2	63.4





#27

Carbon Disulfide

Concen: 9.579 ppbv

RT: 2.159 min Scan# 641

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

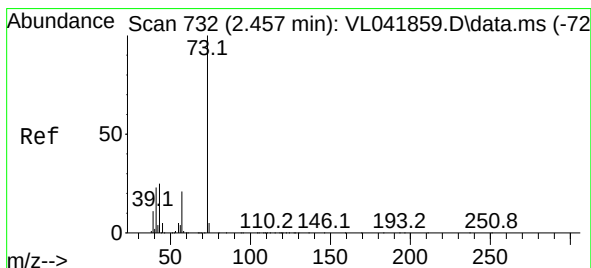
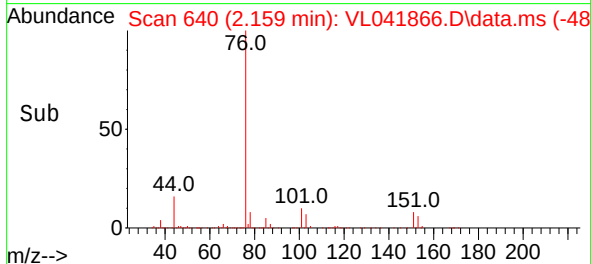
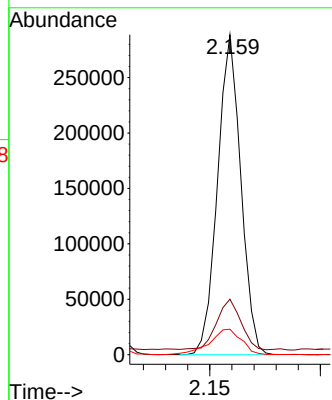
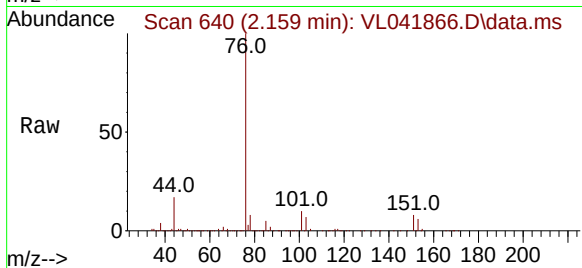
Tgt Ion: 76 Resp: 211082

Ion Ratio Lower Upper

76 100

44 16.5 13.1 19.7

78 11.0 9.5 14.3



#28

Methyl tert-Butyl Ether

Concen: 8.585 ppbv

RT: 2.454 min Scan# 731

Delta R.T. -0.003 min

Lab File: VL041866.D

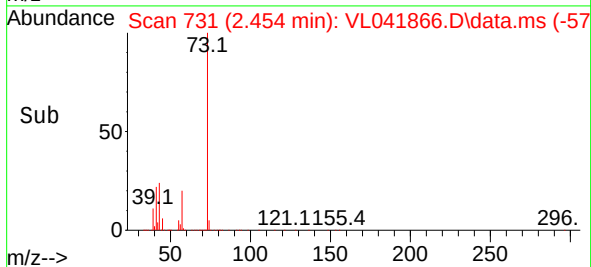
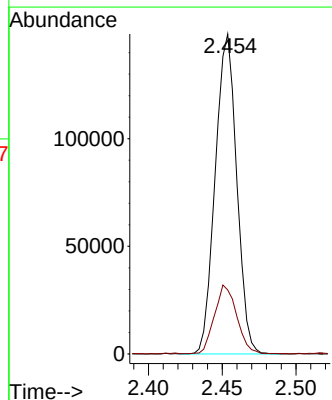
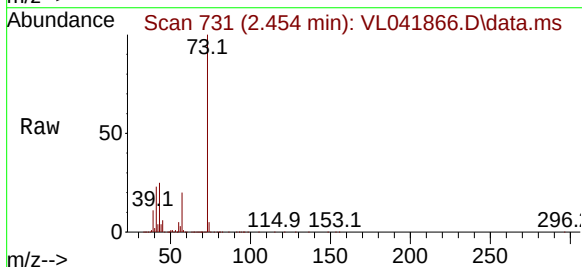
Acq: 09 Jan 2025 15:15

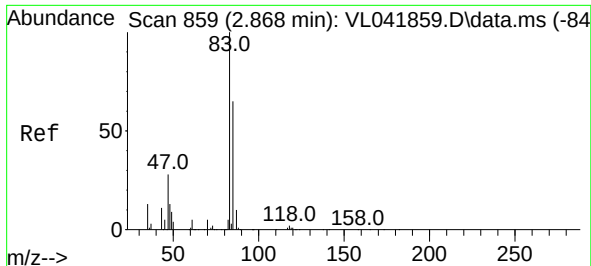
Tgt Ion: 73 Resp: 150727

Ion Ratio Lower Upper

73 100

57 22.2 17.5 26.3





#29

Chloroform

Concen: 9.385 ppbv

RT: 2.861 min Scan# 857

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

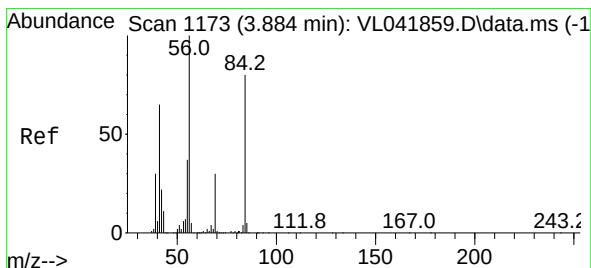
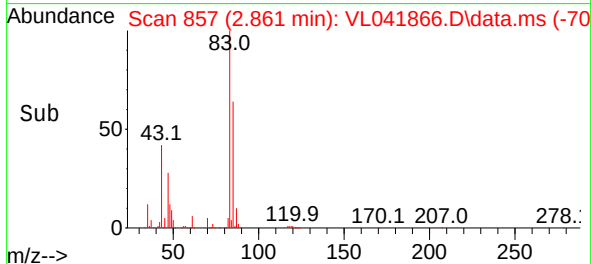
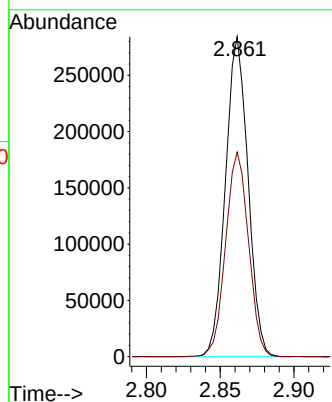
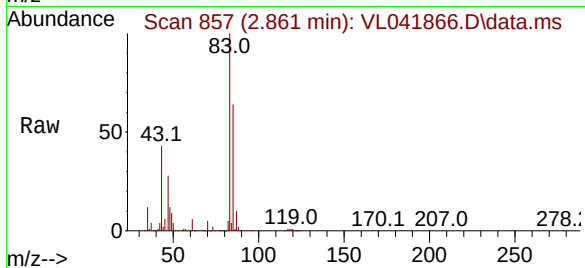
ICVVL010925

Tgt Ion: 83 Resp: 302132

Ion Ratio Lower Upper

83 100

85 63.9 51.7 77.5



#30

Cyclohexane

Concen: 9.508 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. -0.006 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

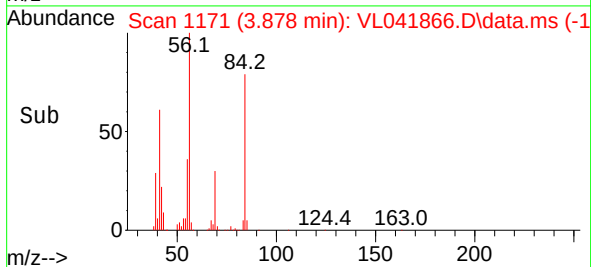
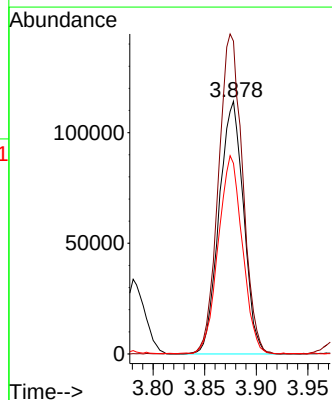
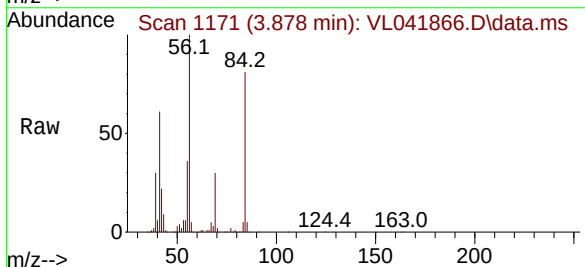
Tgt Ion: 84 Resp: 187848

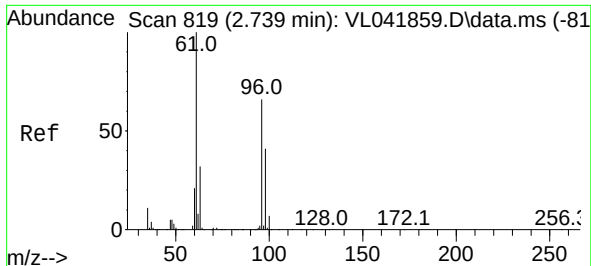
Ion Ratio Lower Upper

84 100

56 125.2 100.7 151.1

41 77.3 62.8 94.2

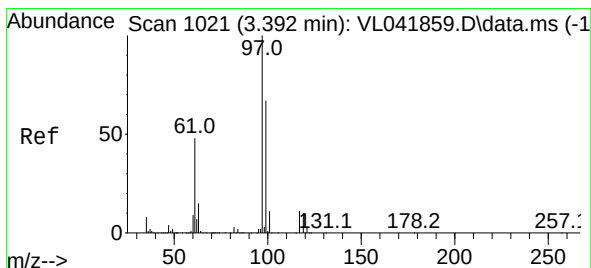
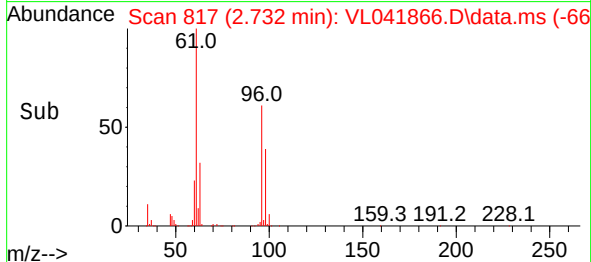
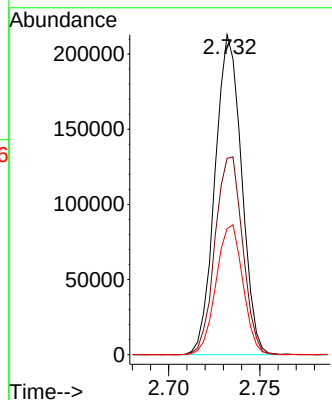
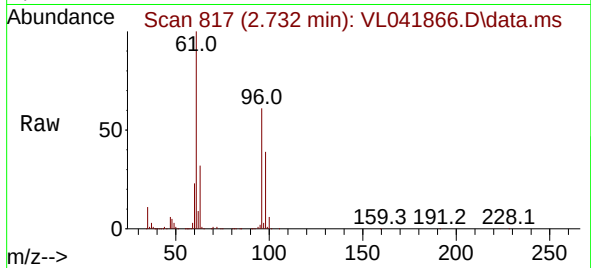




#31
 cis-1,2-Dichloroethene
 Concen: 9.604 ppbv
 RT: 2.732 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

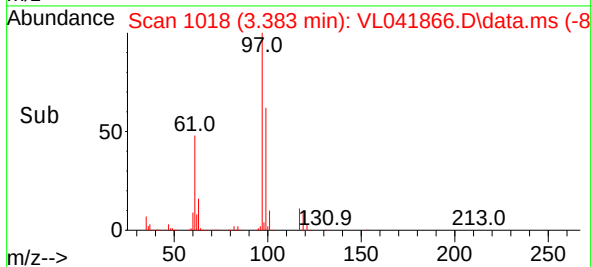
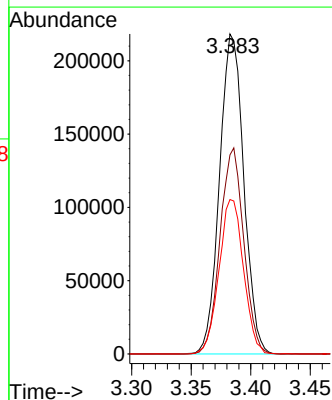
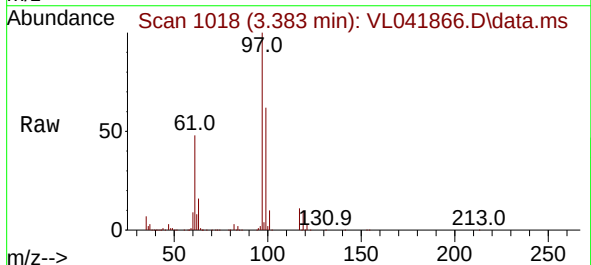
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

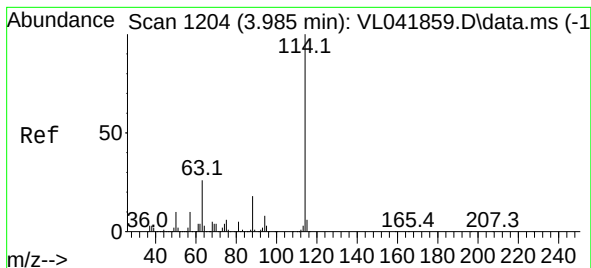
Tgt Ion: 61 Resp: 215939
 Ion Ratio Lower Upper
 61 100
 96 61.3 53.2 79.8
 98 39.4 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 9.654 ppbv
 RT: 3.383 min Scan# 1018
 Delta R.T. -0.010 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Tgt Ion: 97 Resp: 308704
 Ion Ratio Lower Upper
 97 100
 99 63.0 52.0 78.0
 61 48.8 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

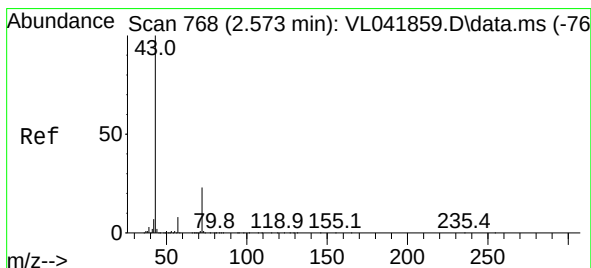
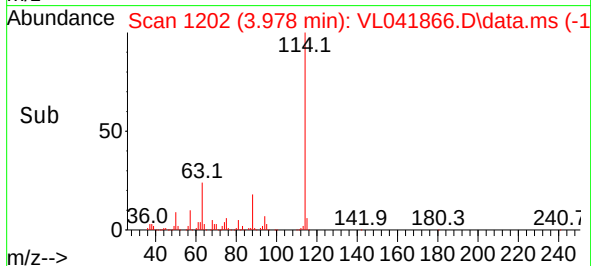
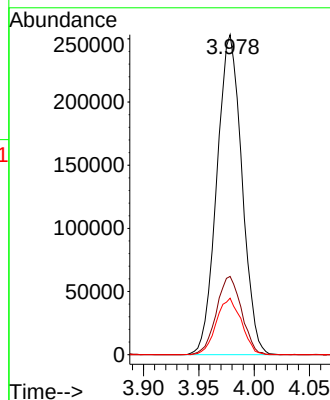
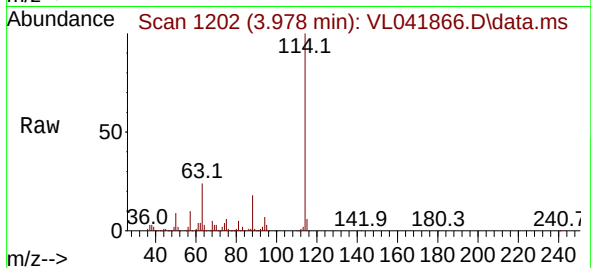
Tgt Ion:114 Resp: 399044

Ion Ratio Lower Upper

114 100

63 24.6 20.3 30.5

88 17.7 14.6 21.8



#34

2-Butanone

Concen: 9.209 ppbv

RT: 2.567 min Scan# 766

Delta R.T. -0.007 min

Lab File: VL041866.D

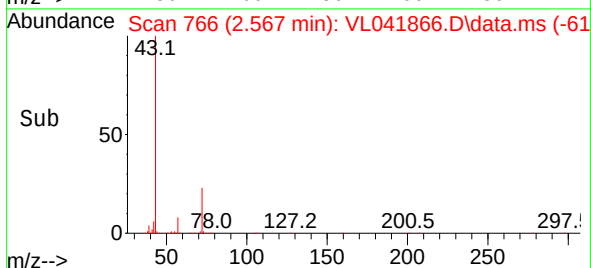
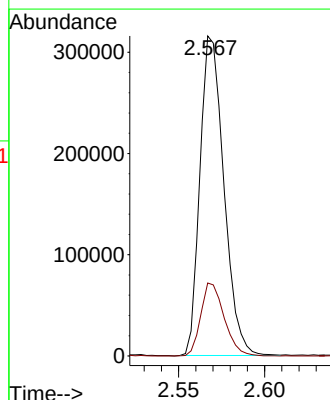
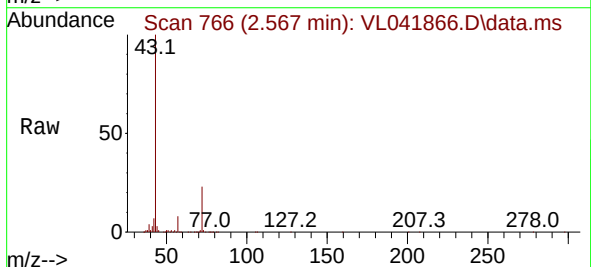
Acq: 09 Jan 2025 15:15

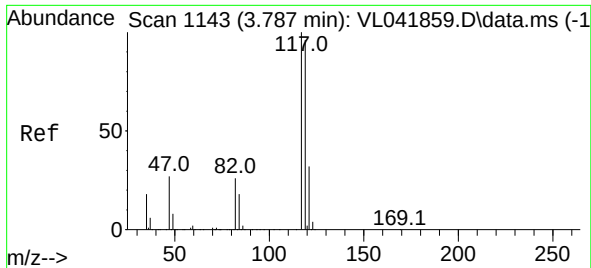
Tgt Ion: 43 Resp: 305484

Ion Ratio Lower Upper

43 100

72 22.3 18.5 27.7

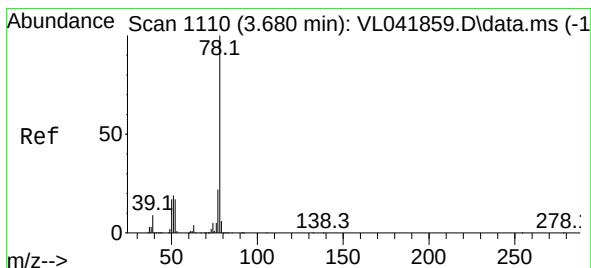
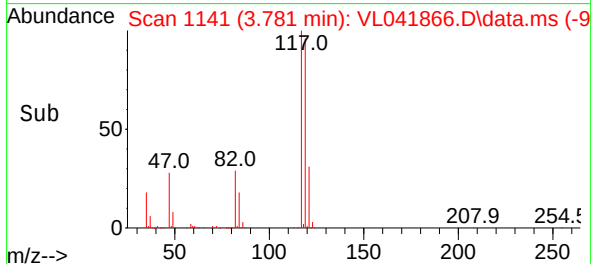
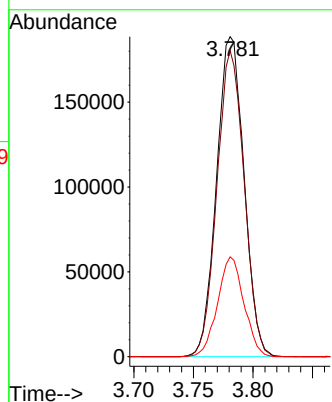
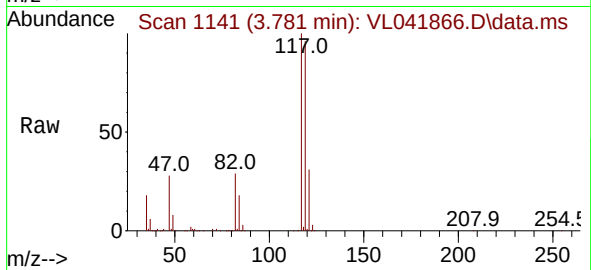




#35
Carbon Tetrachloride
Concen: 9.742 ppbv
RT: 3.781 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

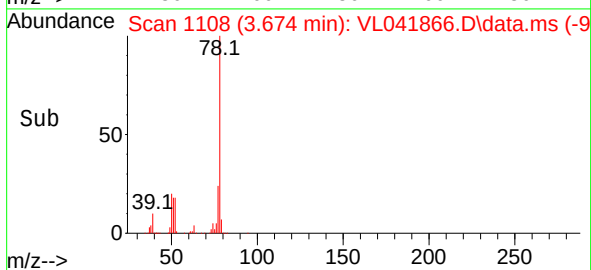
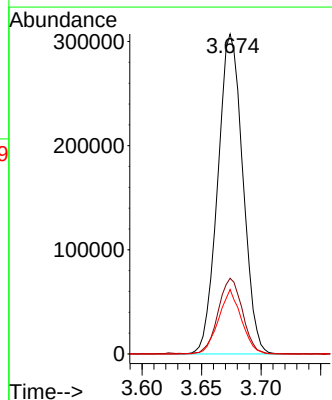
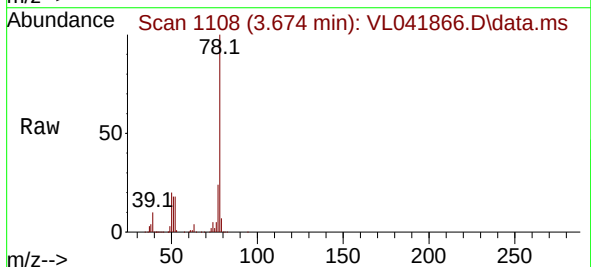
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

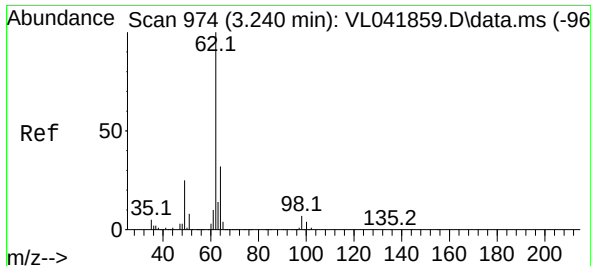
Tgt Ion:117 Resp: 302110
Ion Ratio Lower Upper
117 100
119 95.7 76.9 115.3
121 31.2 25.9 38.9



#36
Benzene
Concen: 9.689 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.006 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 78 Resp: 448544
Ion Ratio Lower Upper
78 100
77 23.6 17.9 26.9
50 20.1 13.7 20.5





#37

1,2-Dichloroethane

Concen: 9.621 ppbv

RT: 3.234 min Scan# 91

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

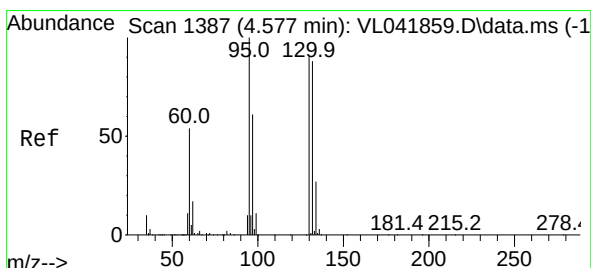
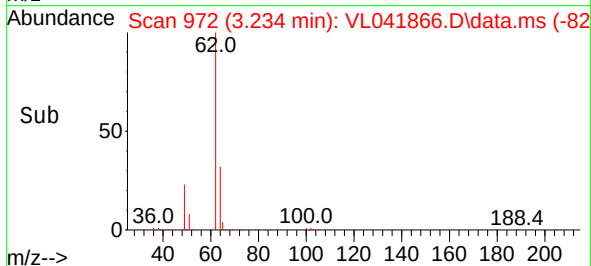
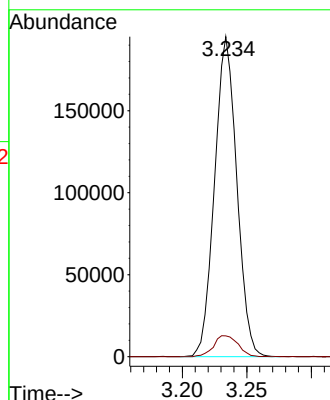
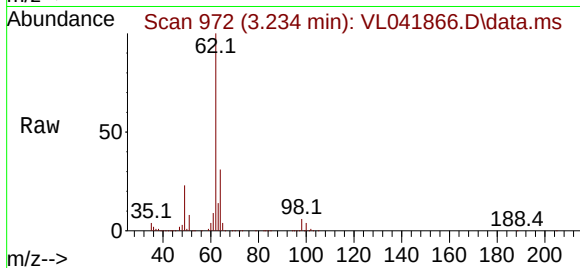
ICVVL010925

Tgt Ion: 62 Resp: 233663

Ion Ratio Lower Upper

62 100

98 7.2 5.6 8.4



#38

Trichloroethene

Concen: 9.393 ppbv

RT: 4.570 min Scan# 1385

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Tgt Ion:130 Resp: 171695

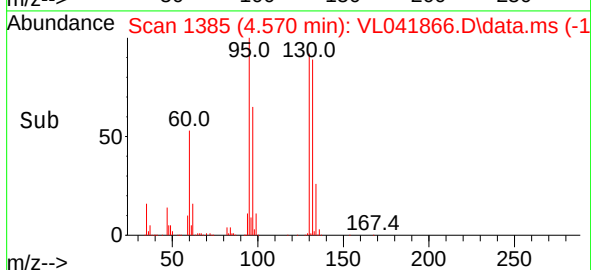
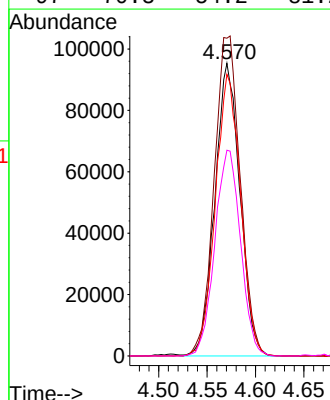
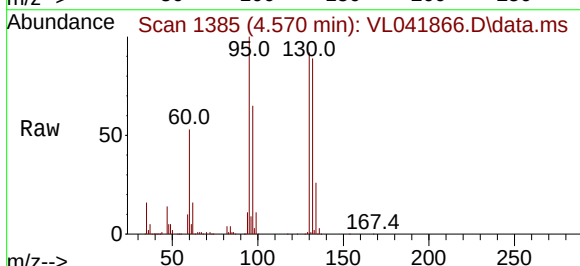
Ion Ratio Lower Upper

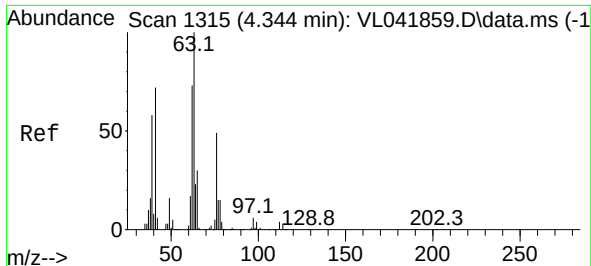
130 100

95 108.6 88.5 132.7

132 96.2 78.2 117.2

97 70.3 54.2 81.2





#39

1,2-Dichloropropane

Concen: 9.560 ppbv

RT: 4.334 min Scan# 1315

Delta R.T. -0.010 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

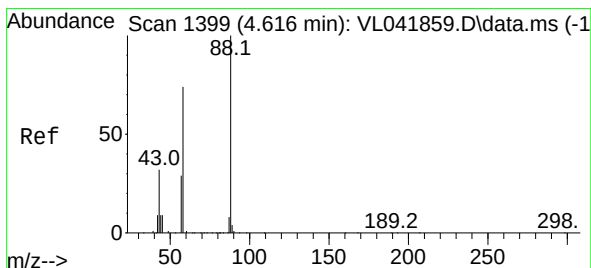
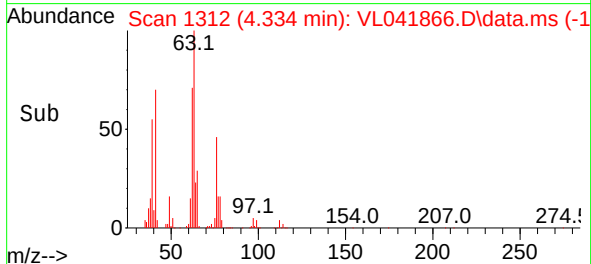
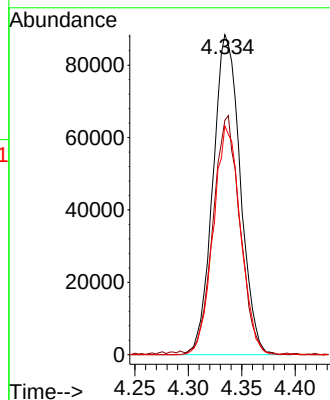
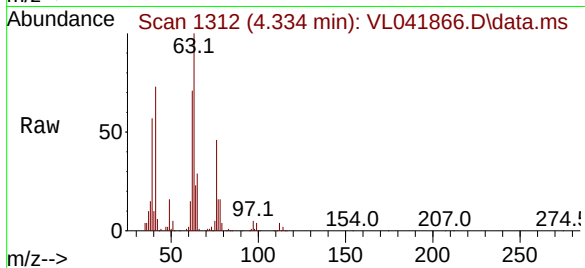
Tgt Ion: 63 Resp: 157431

Ion Ratio Lower Upper

63 100

41 73.1 58.0 87.0

62 71.4 58.6 87.8



#40

1,4-Dioxane

Concen: 8.937 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. -0.010 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Tgt Ion: 88 Resp: 74011

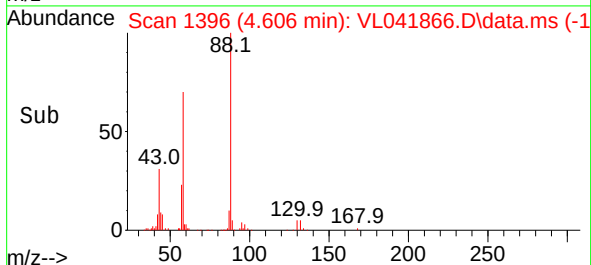
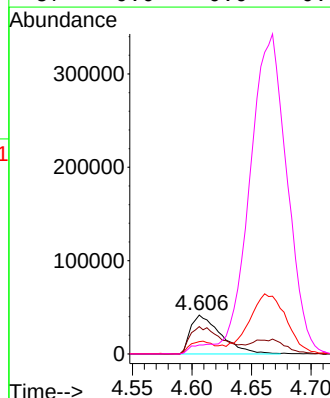
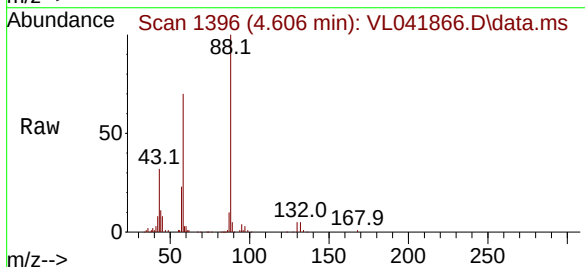
Ion Ratio Lower Upper

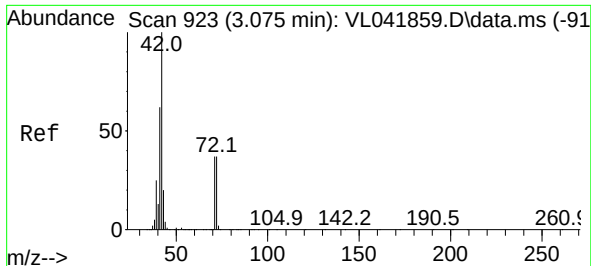
88 100

58 75.3 52.2 78.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0

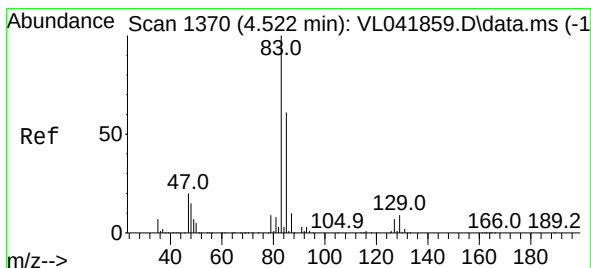
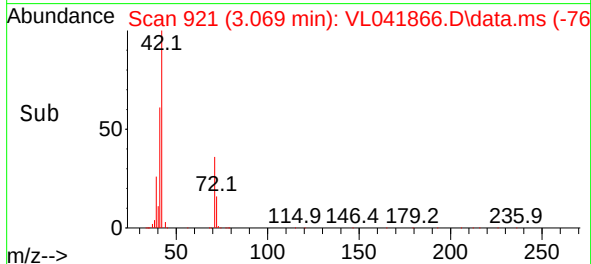
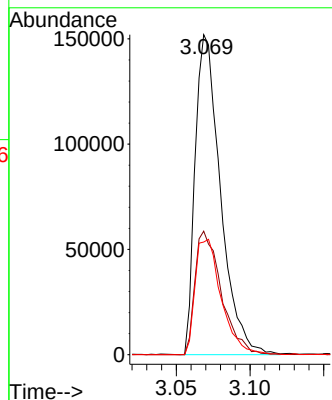
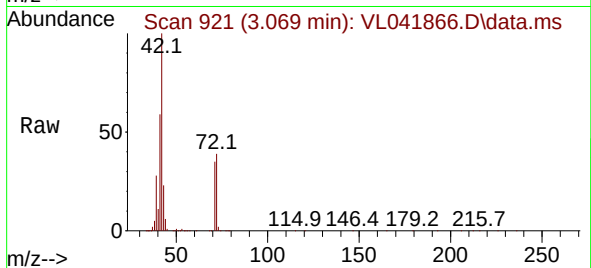




#41
Tetrahydrofuran
Concen: 9.327 ppbv
RT: 3.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

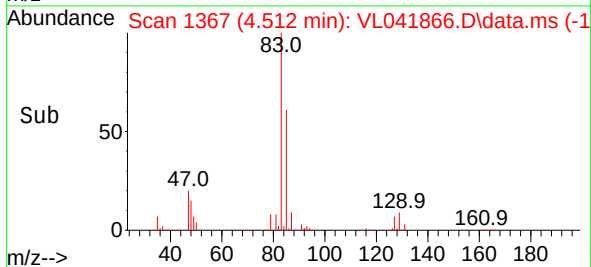
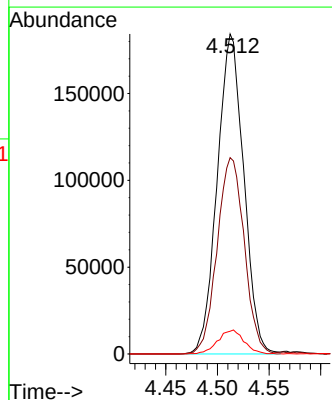
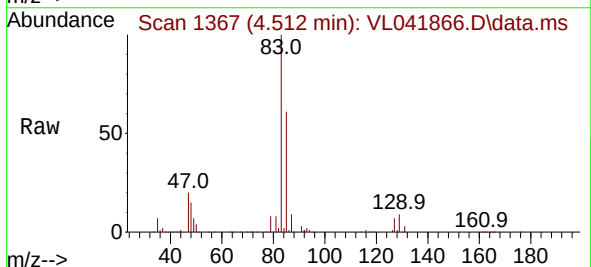
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

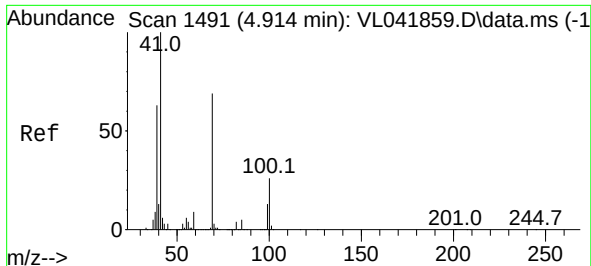
Tgt Ion: 42 Resp: 181706
Ion Ratio Lower Upper
42 100
72 40.3 30.8 46.2
71 37.3 30.1 45.1



#42
Bromodichloromethane
Concen: 9.864 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.010 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion: 83 Resp: 329142
Ion Ratio Lower Upper
83 100
85 61.3 48.9 73.3
127 7.1 5.4 8.2





#43

Methyl Methacrylate

Concen: 9.474 ppbv

RT: 4.907 min Scan# 1415

Delta R.T. -0.006 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

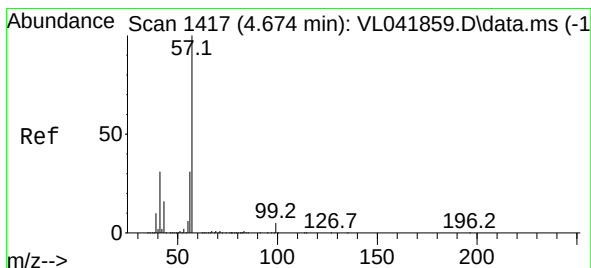
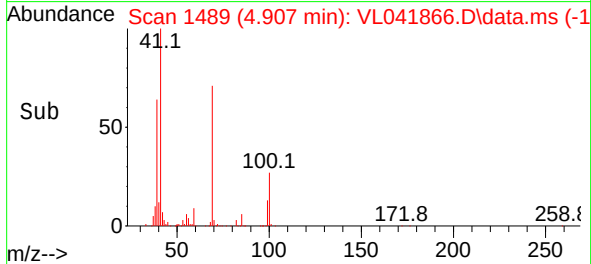
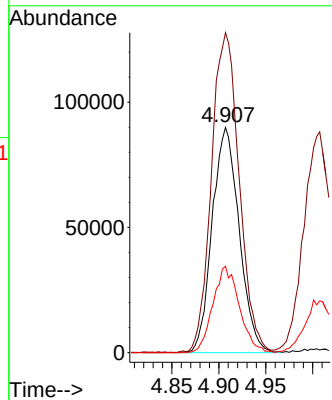
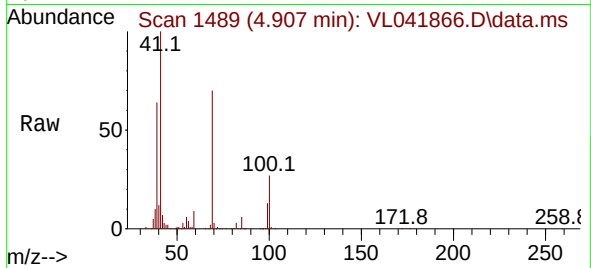
Tgt Ion: 69 Resp: 179603

Ion Ratio Lower Upper

69 100

41 145.8 116.2 174.4

100 37.5 29.8 44.8



#44

2,2,4-Trimethylpentane

Concen: 9.479 ppbv

RT: 4.668 min Scan# 1415

Delta R.T. -0.006 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

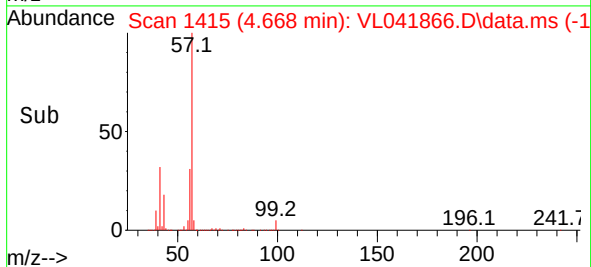
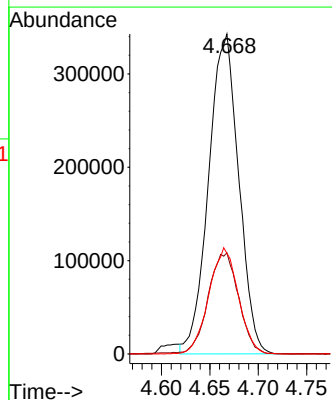
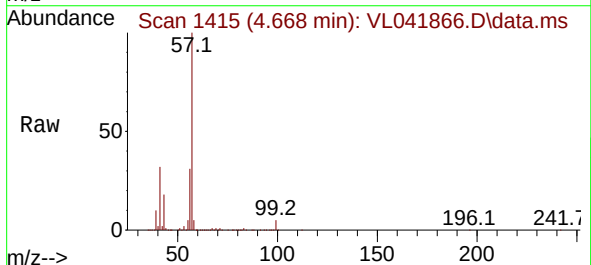
Tgt Ion: 57 Resp: 741253

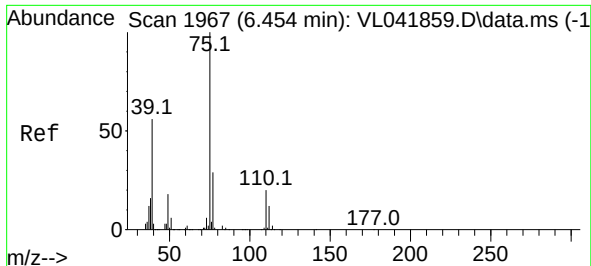
Ion Ratio Lower Upper

57 100

41 32.3 25.5 38.3

56 32.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.391 ppbv

RT: 6.444 min Scan# 1967

Delta R.T. -0.010 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

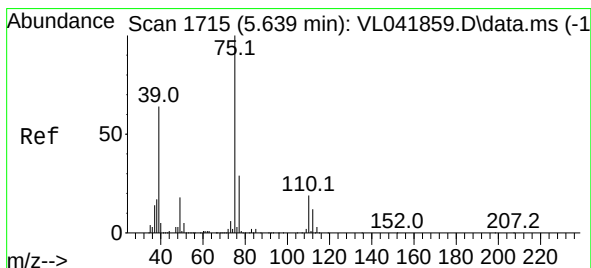
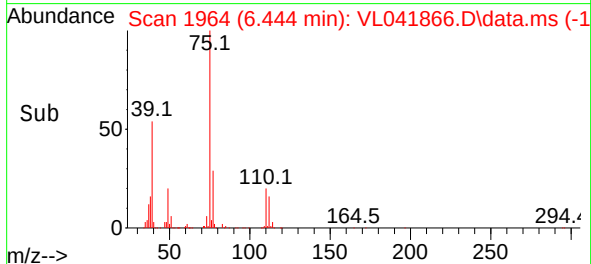
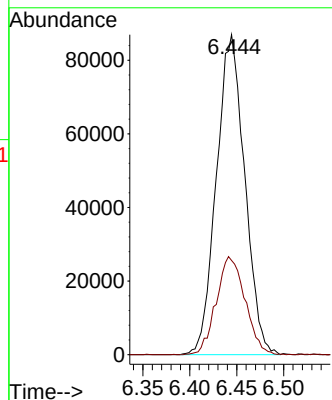
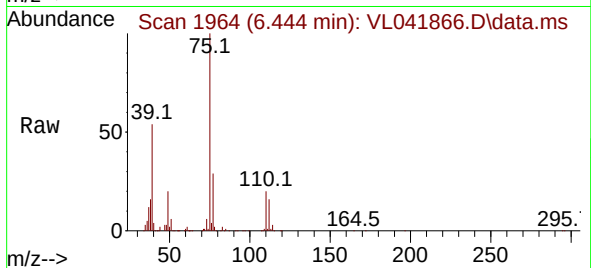
ICVVL010925

Tgt Ion: 75 Resp: 182207

Ion Ratio Lower Upper

75 100

77 29.4 23.4 35.2



#46

cis-1,3-Dichloropropene

Concen: 9.483 ppbv

RT: 5.632 min Scan# 1713

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

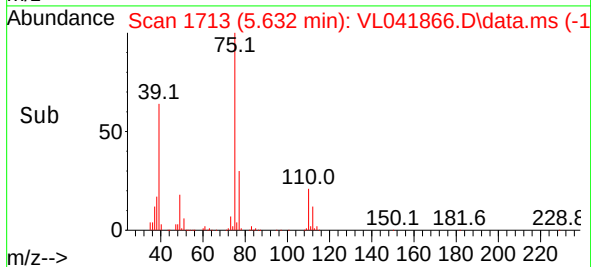
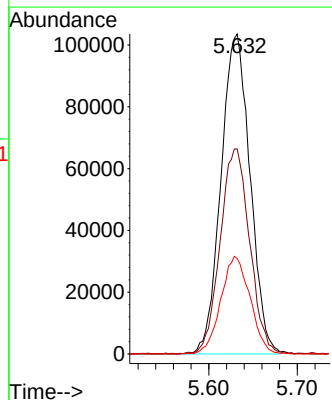
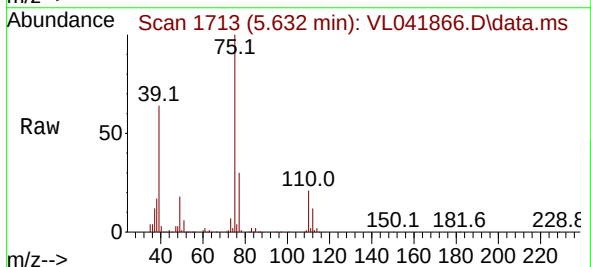
Tgt Ion: 75 Resp: 236106

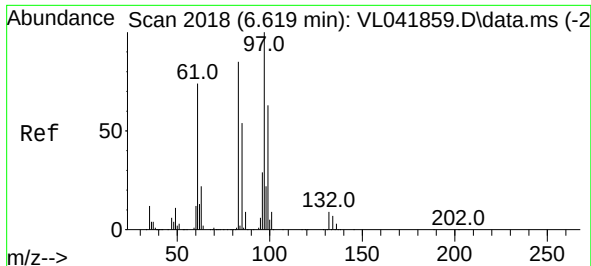
Ion Ratio Lower Upper

75 100

39 63.9 51.4 77.2

77 29.9 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 9.543 ppbv

RT: 6.610 min Scan# 2018

Delta R.T. -0.010 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

Tgt Ion: 97 Resp: 165331

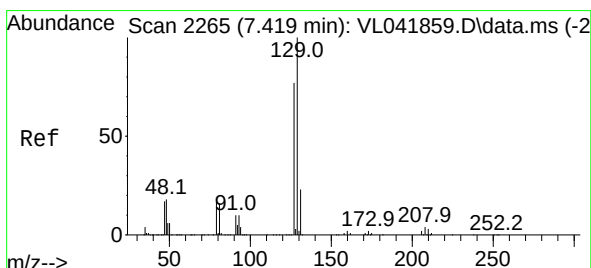
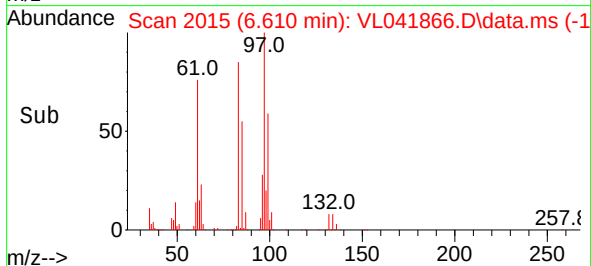
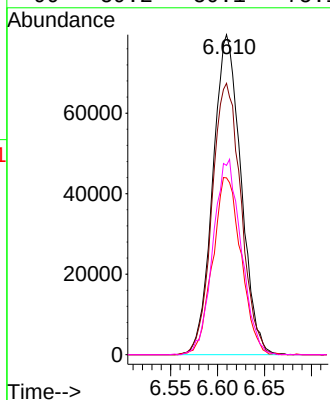
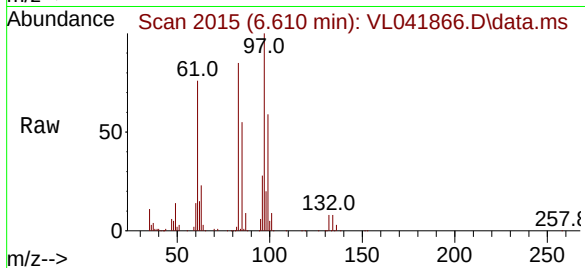
Ion Ratio Lower Upper

97 100

83 84.7 68.1 102.1

85 55.2 43.4 65.2

99 59.2 50.1 75.1



#48

Dibromochloromethane

Concen: 10.137 ppbv

RT: 7.409 min Scan# 2262

Delta R.T. -0.010 min

Lab File: VL041866.D

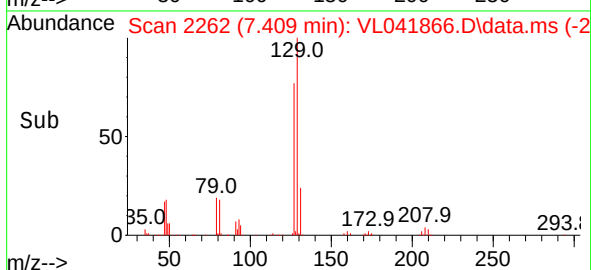
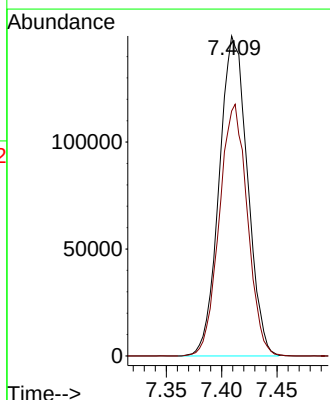
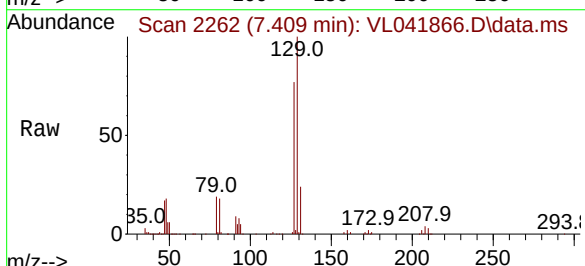
Acq: 09 Jan 2025 15:15

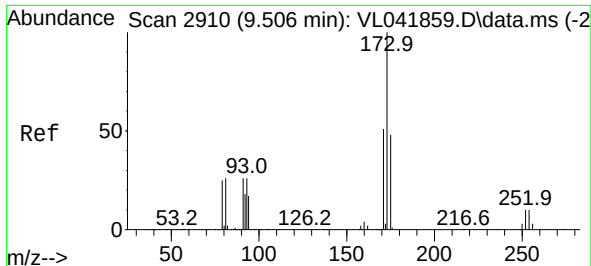
Tgt Ion: 129 Resp: 266338

Ion Ratio Lower Upper

129 100

127 77.9 39.4 118.1

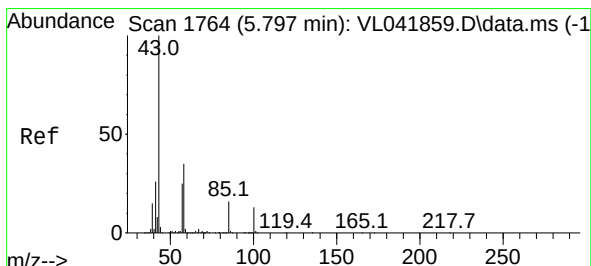
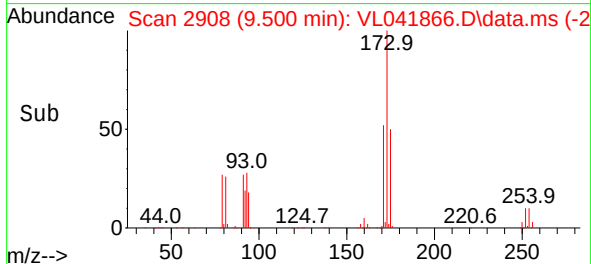
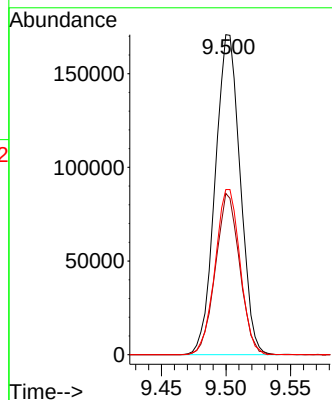
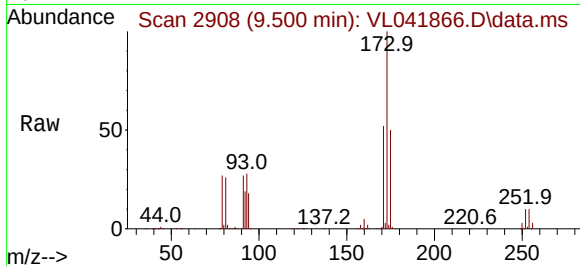




#49
 Bromoform
 Concen: 10.047 ppbv
 RT: 9.500 min Scan# 2910
 Delta R.T. -0.007 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

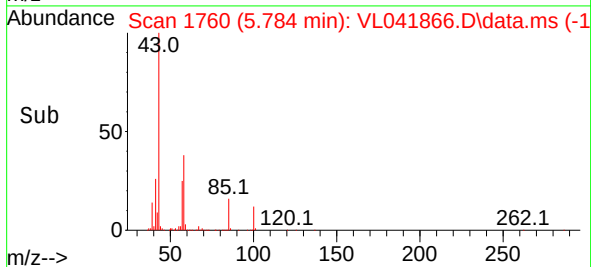
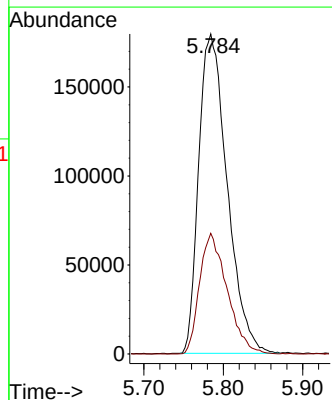
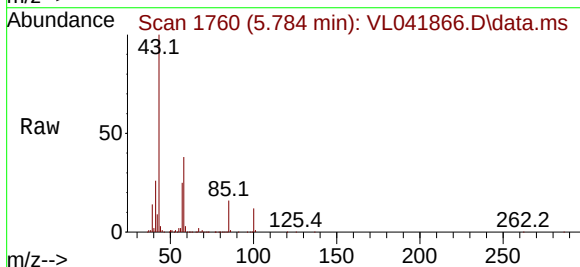
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

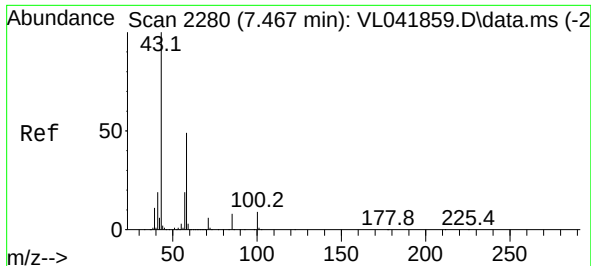
Tgt Ion:173 Resp: 230376
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.2 57.2
 171 51.6 41.3 61.9



#50
 4-Methyl-2-Pentanone
 Concen: 9.458 ppbv
 RT: 5.784 min Scan# 1760
 Delta R.T. -0.013 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Tgt Ion: 43 Resp: 447733
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.4 44.2

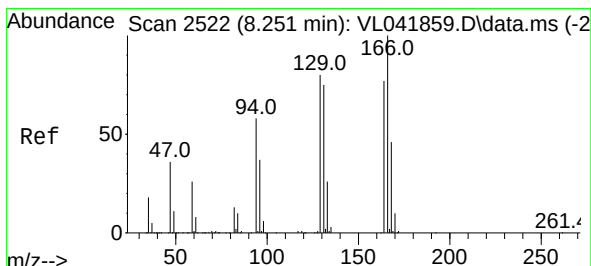
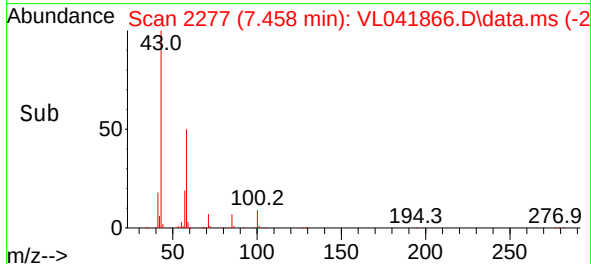
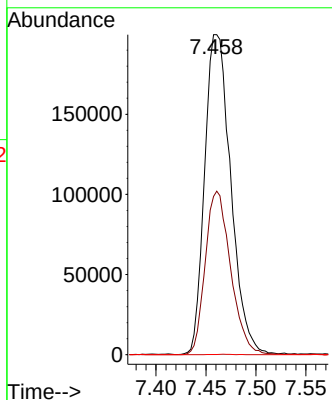
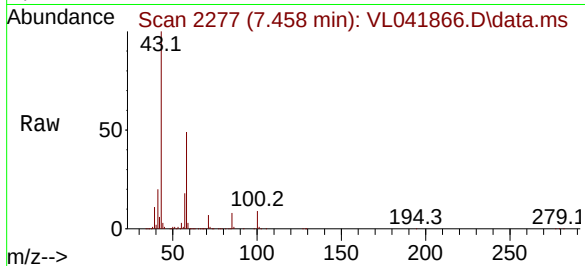




#51
 2-Hexanone
 Concen: 9.341 ppbv
 RT: 7.458 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

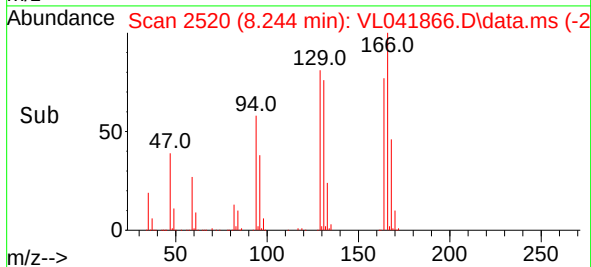
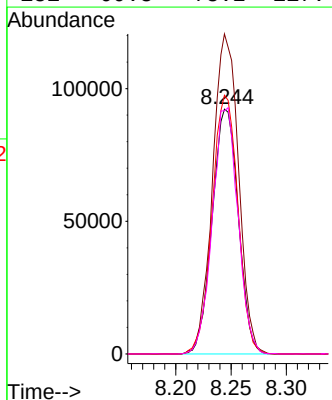
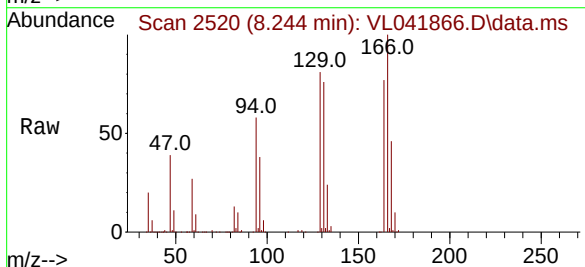
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925

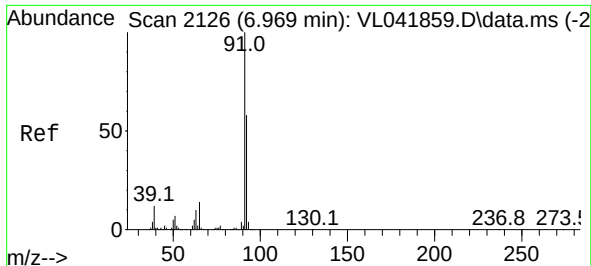
Tgt Ion: 43 Resp: 363718
 Ion Ratio Lower Upper
 43 100
 58 49.6 40.0 60.0
 98 0.1 0.1 0.1



#52
 Tetrachloroethene
 Concen: 8.536 ppbv
 RT: 8.244 min Scan# 2520
 Delta R.T. -0.006 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Tgt Ion: 164 Resp: 151399
 Ion Ratio Lower Upper
 164 100
 166 130.7 103.6 155.4
 129 105.7 82.6 123.8
 131 99.3 78.2 117.4





#53

Toluene

Concen: 9.395 ppbv

RT: 6.959 min Scan# 2126

Delta R.T. -0.010 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

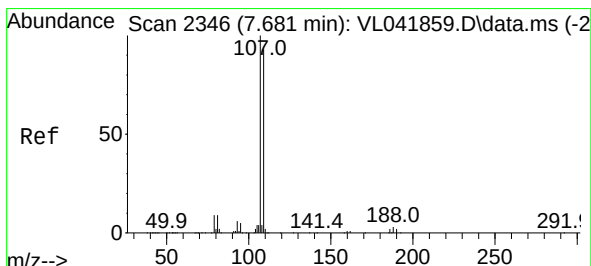
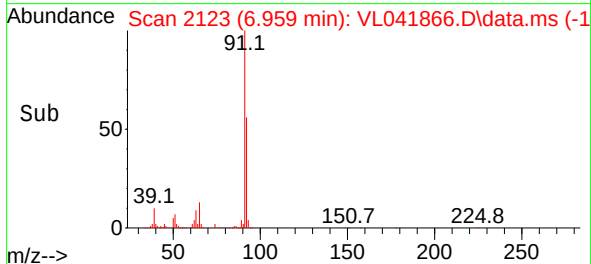
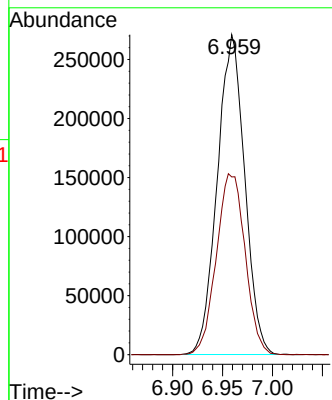
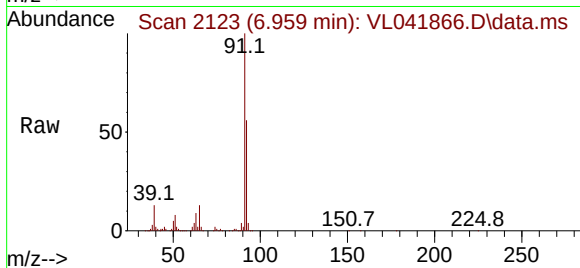
ICVVL010925

Tgt Ion: 91 Resp: 517284

Ion Ratio Lower Upper

91 100

92 59.4 47.2 70.8



#54

1,2-Dibromoethane

Concen: 9.598 ppbv

RT: 7.674 min Scan# 2344

Delta R.T. -0.006 min

Lab File: VL041866.D

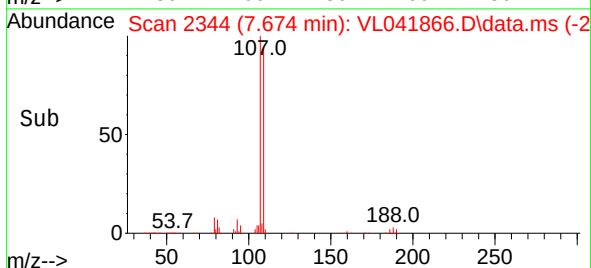
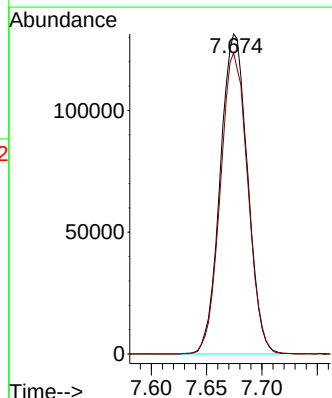
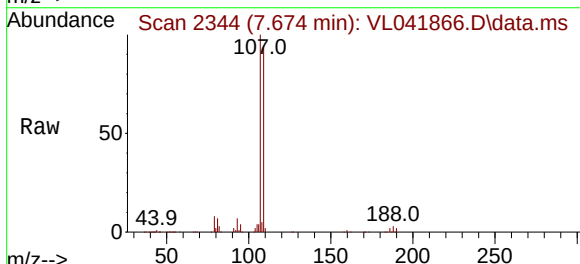
Acq: 09 Jan 2025 15:15

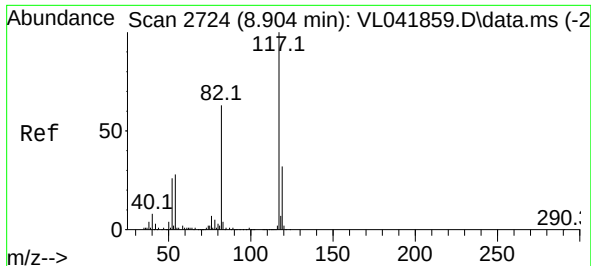
Tgt Ion: 107 Resp: 226153

Ion Ratio Lower Upper

107 100

109 94.1 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

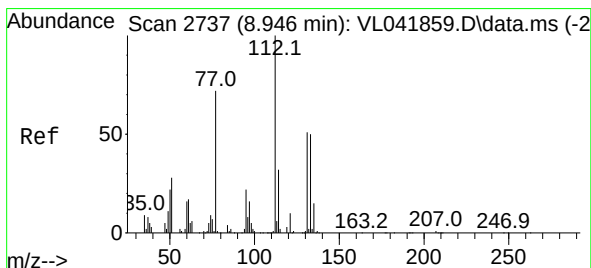
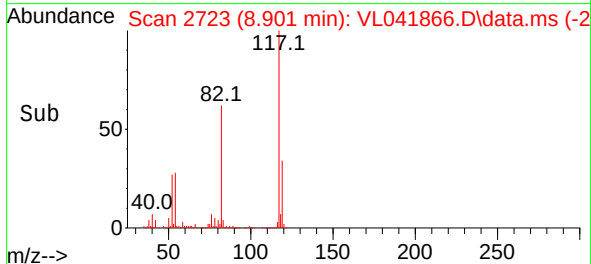
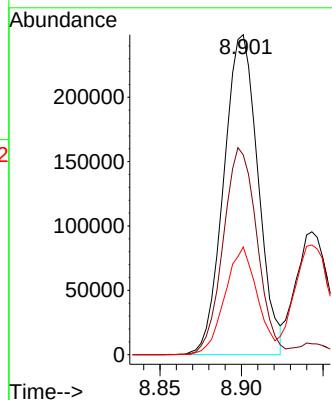
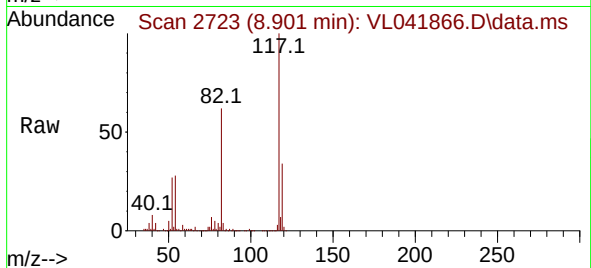
Tgt Ion:117 Resp: 363459

Ion Ratio Lower Upper

117 100

82 67.3 54.5 81.7

119 32.5 24.6 37.0



#56

1,1,1,2-Tetrachloroethane

Concen: 9.669 ppbv

RT: 8.943 min Scan# 2736

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

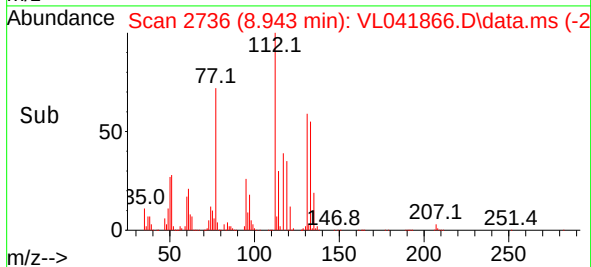
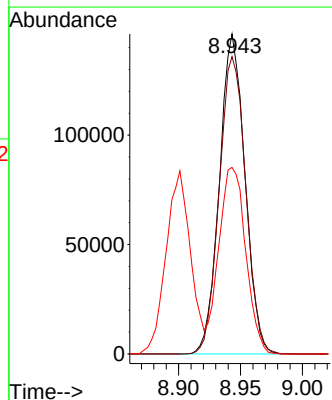
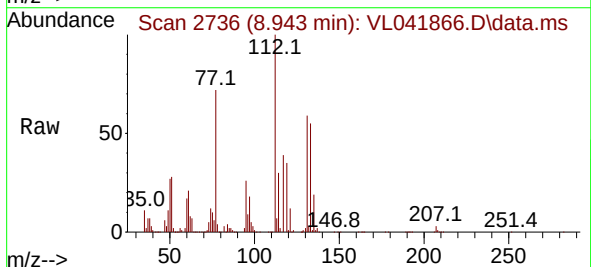
Tgt Ion:131 Resp: 209474

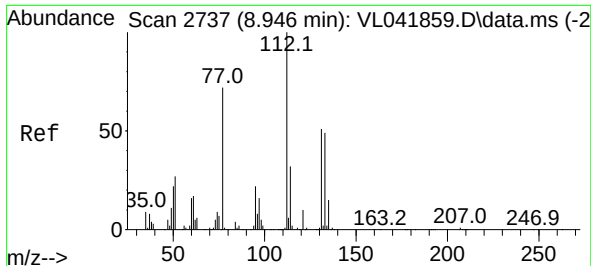
Ion Ratio Lower Upper

131 100

133 96.7 77.4 116.2

119 61.9 49.4 74.0





#57

Chlorobenzene

Concen: 9.470 ppbv

RT: 8.940 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

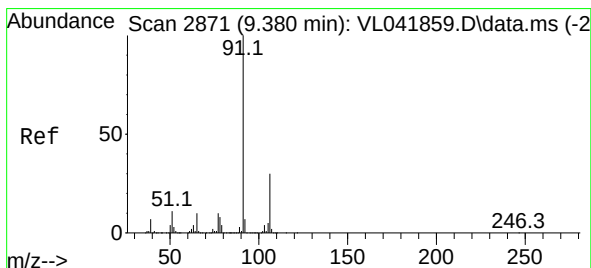
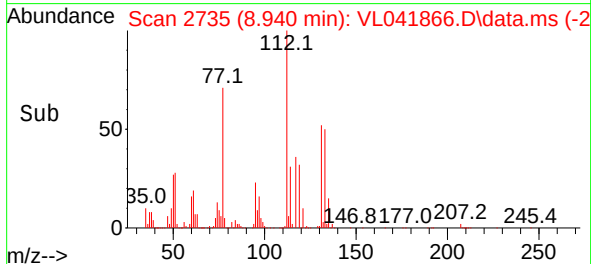
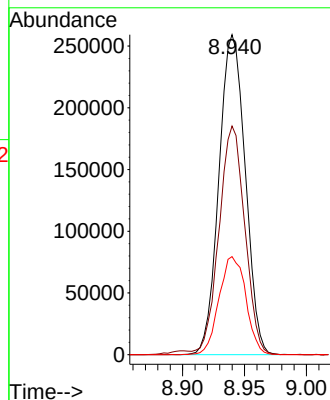
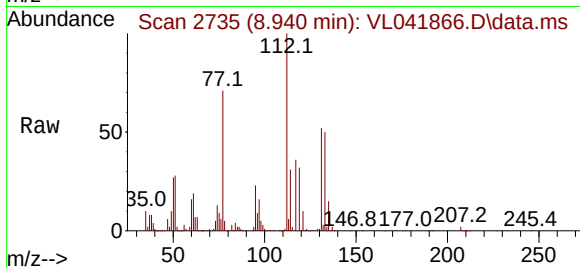
Tgt Ion:112 Resp: 383752

Ion Ratio Lower Upper

112 100

77 71.4 58.3 87.5

114 30.6 28.9 35.3



#58

Ethyl Benzene

Concen: 9.595 ppbv

RT: 9.374 min Scan# 2869

Delta R.T. -0.007 min

Lab File: VL041866.D

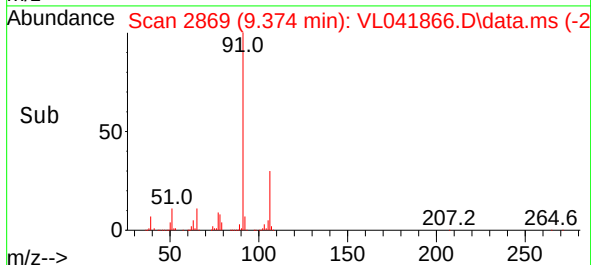
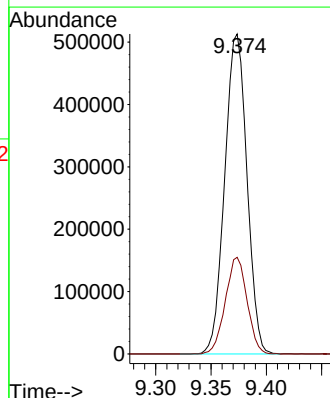
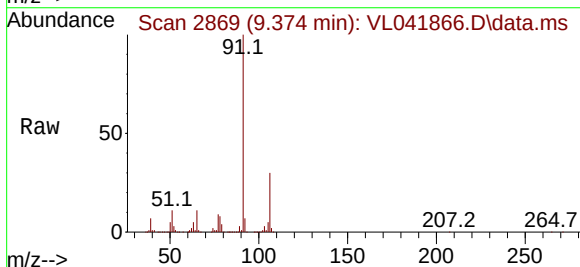
Acq: 09 Jan 2025 15:15

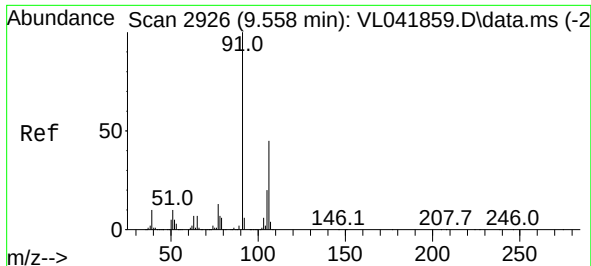
Tgt Ion: 91 Resp: 717041

Ion Ratio Lower Upper

91 100

106 30.2 24.2 36.2





#59

m/p-Xylene

Concen: 9.741 ppbv

RT: 9.548 min Scan# 2926

Delta R.T. -0.010 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

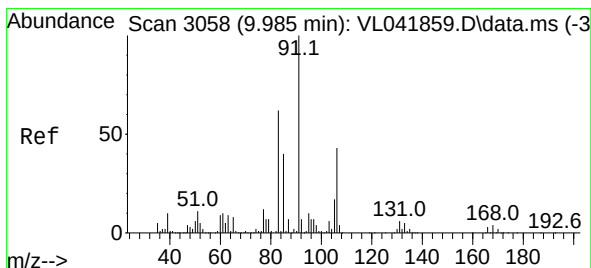
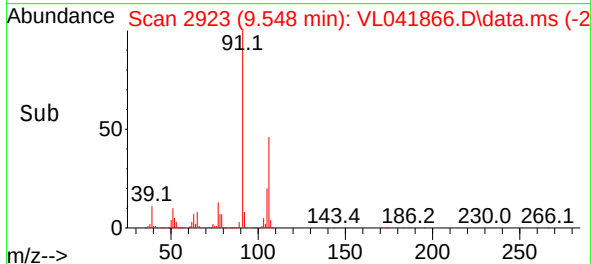
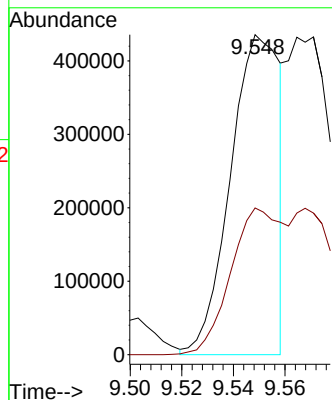
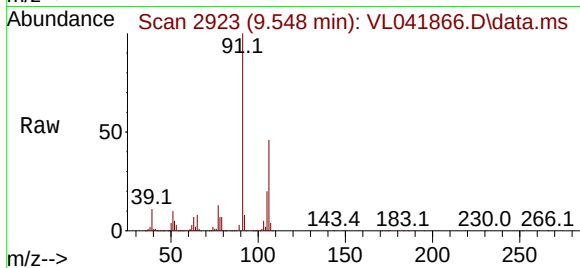
ICVVL010925

Tgt Ion: 91 Resp: 575290

Ion Ratio Lower Upper

91 100

106 88.6 0.0 0.0#



#60

o-Xylene

Concen: 9.433 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. -0.003 min

Lab File: VL041866.D

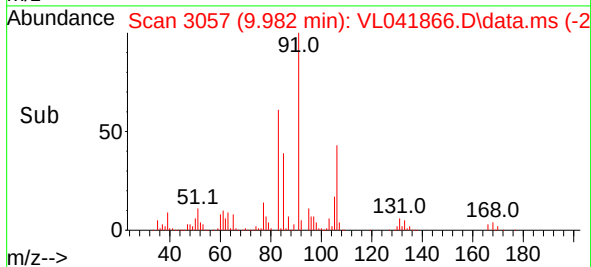
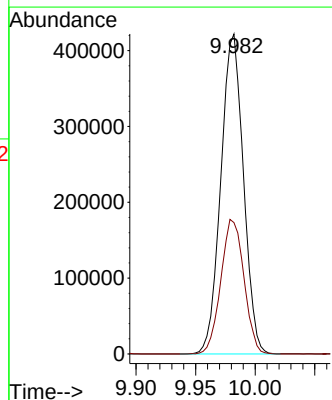
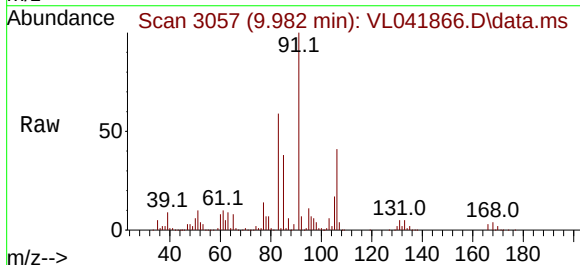
Acq: 09 Jan 2025 15:15

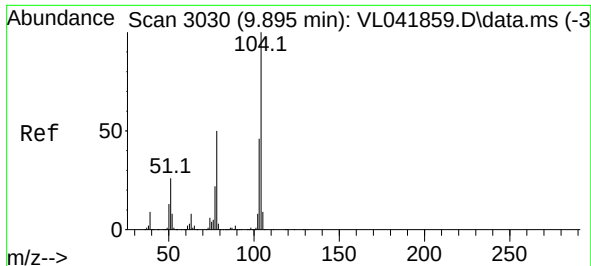
Tgt Ion: 91 Resp: 555689

Ion Ratio Lower Upper

91 100

106 43.0 21.4 64.3

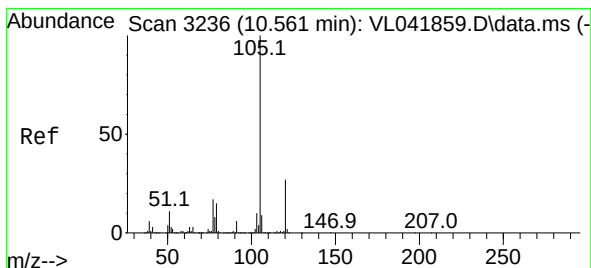
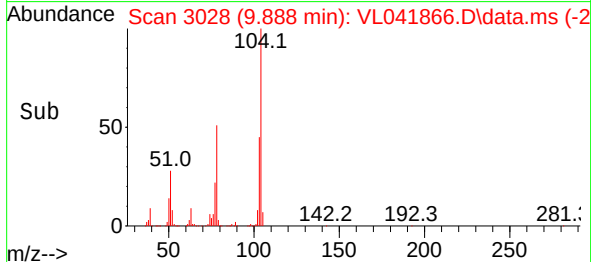
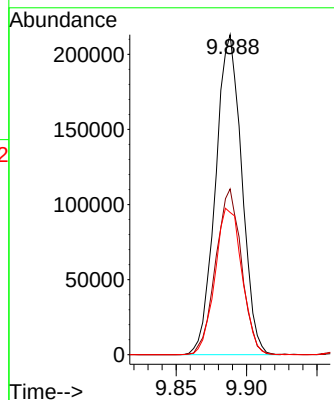
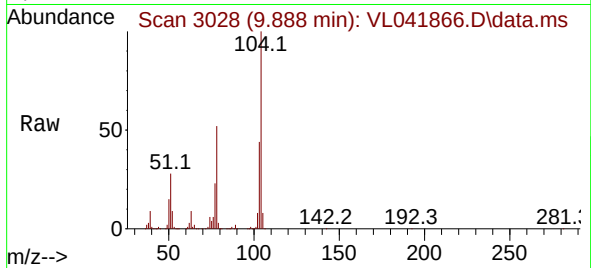




#61
Styrene
Concen: 9.385 ppbv
RT: 9.888 min Scan# 3030
Delta R.T. -0.006 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

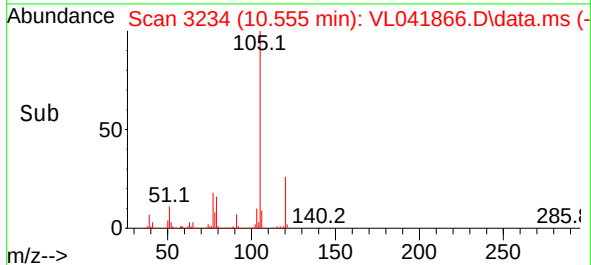
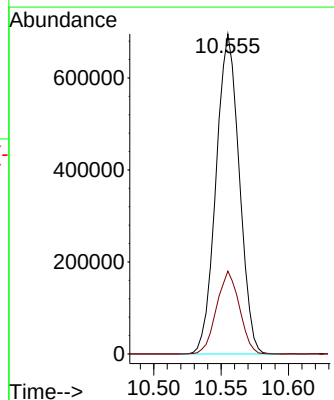
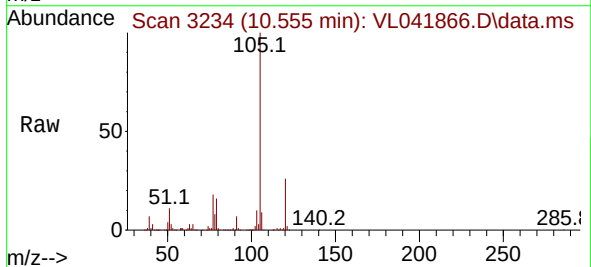
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

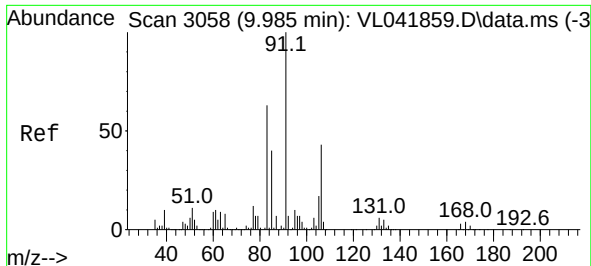
Tgt Ion:104 Resp: 276061
Ion Ratio Lower Upper
104 100
78 51.0 40.7 61.1
103 47.3 37.0 55.6



#62
Isopropylbenzene
Concen: 9.415 ppbv
RT: 10.555 min Scan# 3234
Delta R.T. -0.007 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion:105 Resp: 835024
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 9.252 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

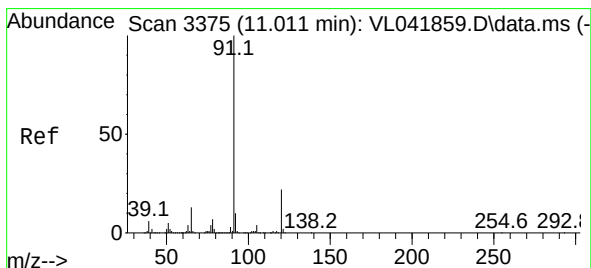
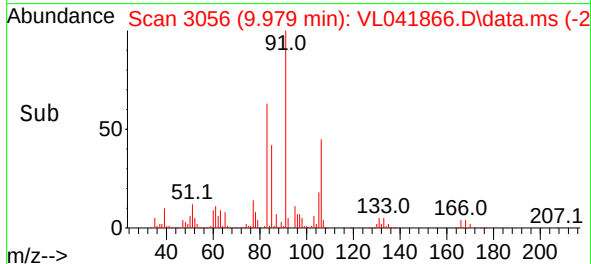
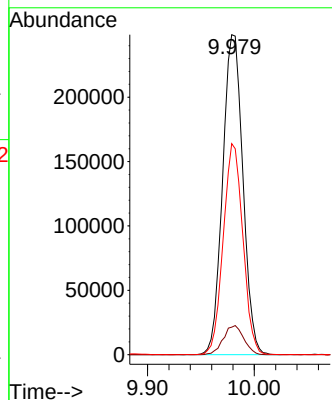
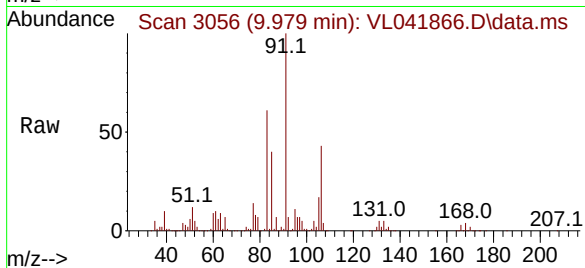
Tgt Ion: 83 Resp: 327345

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

85 64.0 32.1 96.3



#64

n-propylbenzene

Concen: 9.153 ppbv

RT: 11.002 min Scan# 3372

Delta R.T. -0.010 min

Lab File: VL041866.D

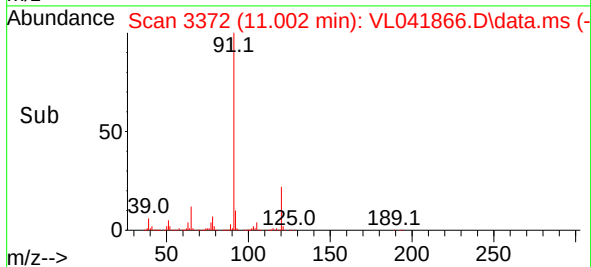
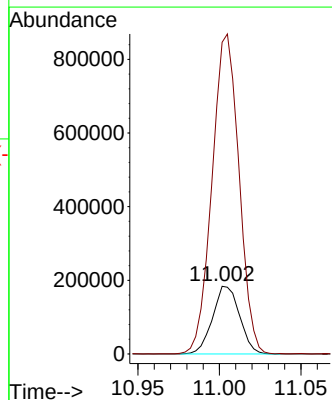
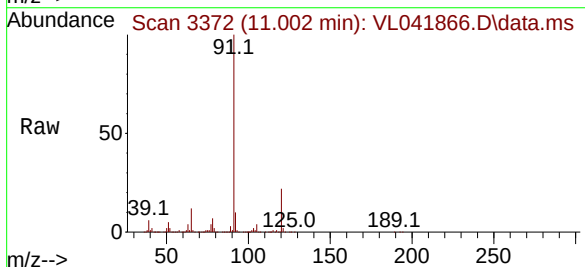
Acq: 09 Jan 2025 15:15

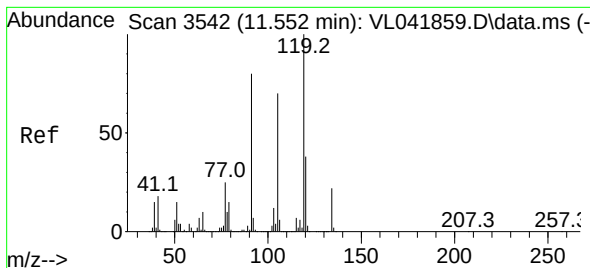
Tgt Ion: 120 Resp: 211515

Ion Ratio Lower Upper

120 100

91 473.2 376.9 565.3





#65

tert-Butylbenzene

Concen: 9.315 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_1

ClientSampleId :

ICVVL010925

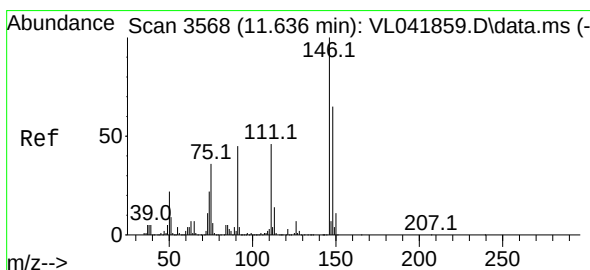
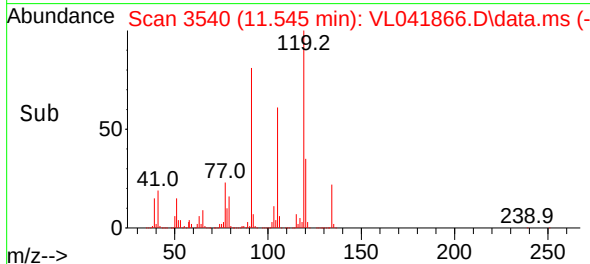
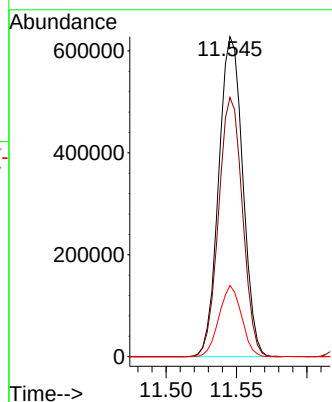
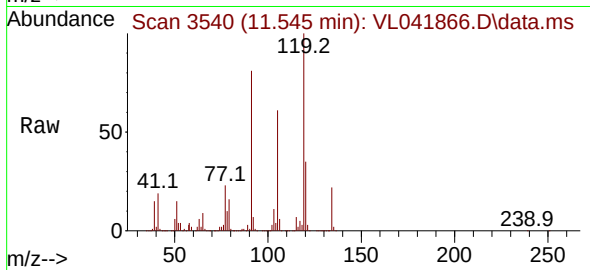
Tgt Ion:119 Resp: 747696

Ion Ratio Lower Upper

119 100

91 80.5 64.6 97.0

134 20.9 16.9 25.3



#66

Benzyl Chloride

Concen: 8.187 ppbv

RT: 11.630 min Scan# 3566

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

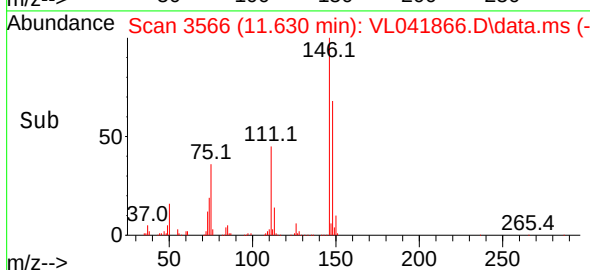
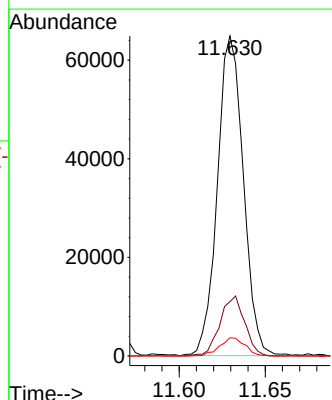
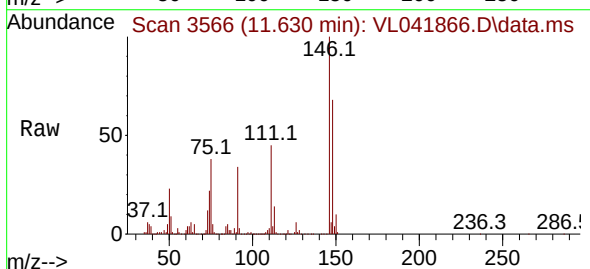
Tgt Ion: 91 Resp: 68070

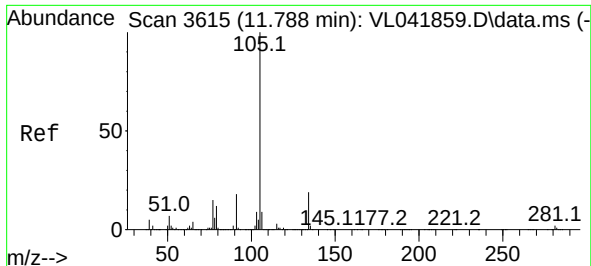
Ion Ratio Lower Upper

91 100

126 17.8 13.9 20.9

128 5.6 4.8 7.2





#67

sec-Butylbenzene

Concen: 9.228 ppbv

RT: 11.782 min Scan# 3615

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

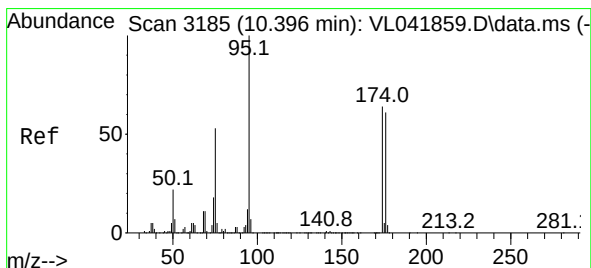
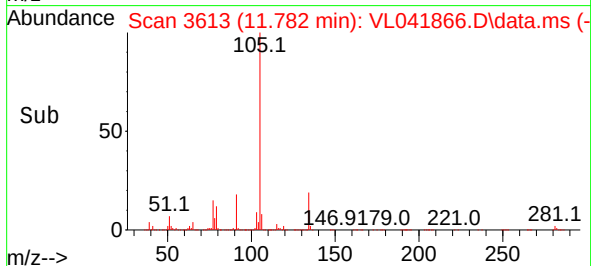
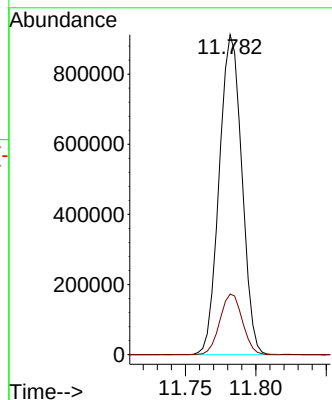
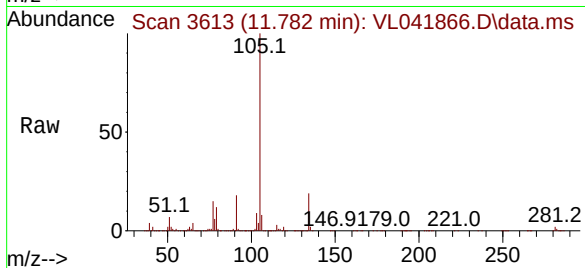
ICVVL010925

Tgt Ion:105 Resp: 1020583

Ion Ratio Lower Upper

105 100

134 18.9 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.001 ppbv

RT: 10.393 min Scan# 3184

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

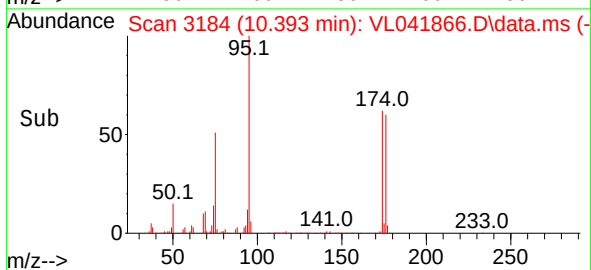
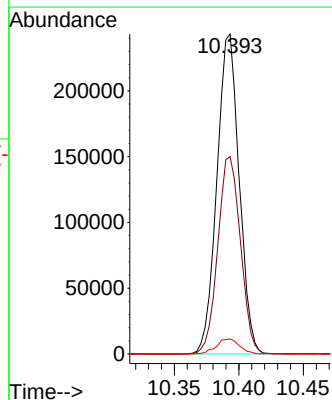
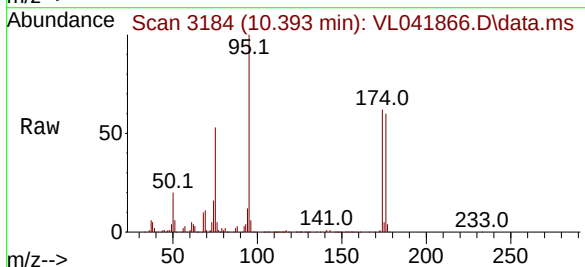
Tgt Ion: 95 Resp: 291470

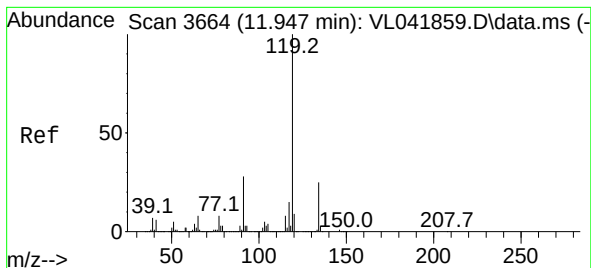
Ion Ratio Lower Upper

95 100

174 62.8 51.1 76.7

175 4.9 3.8 5.8





#69

p-Isopropyltoluene

Concen: 9.143 ppbv

RT: 11.940 min Scan# 3

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

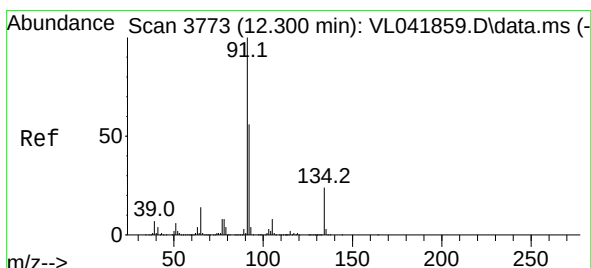
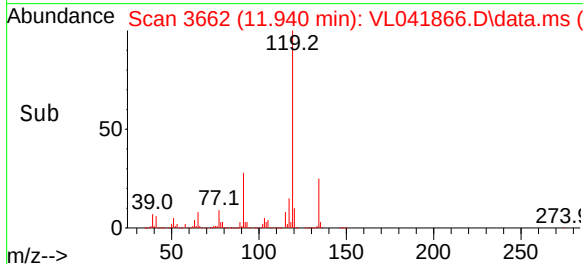
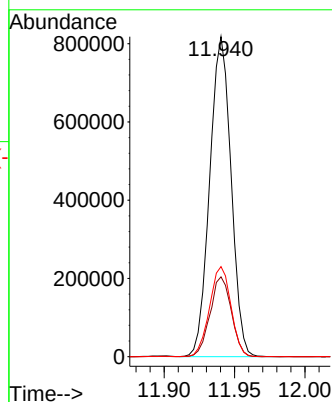
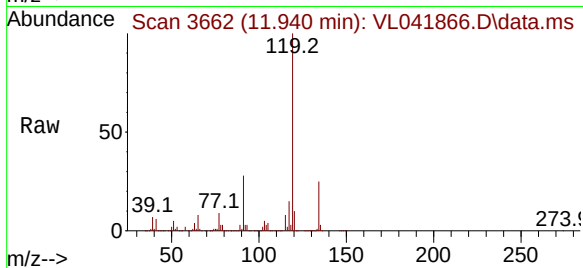
Tgt Ion:119 Resp: 862841

Ion Ratio Lower Upper

119 100

134 25.0 20.3 30.5

91 28.3 22.6 34.0



#70

n-Butylbenzene

Concen: 8.907 ppbv

RT: 12.296 min Scan# 3772

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

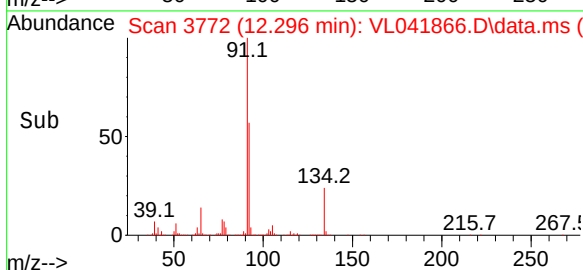
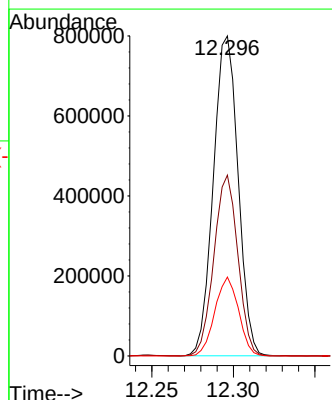
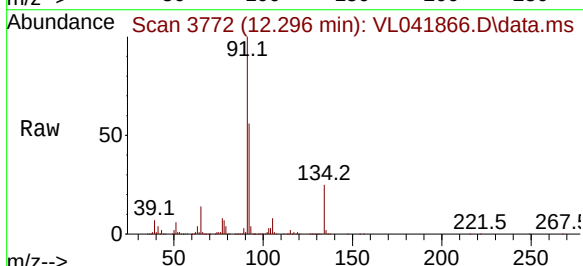
Tgt Ion: 91 Resp: 843727

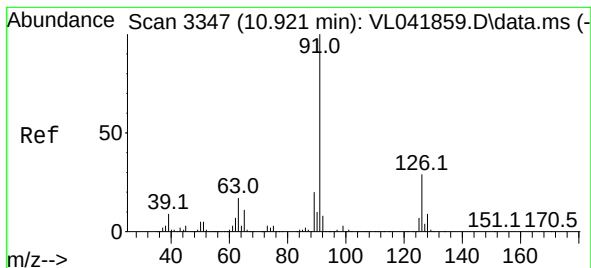
Ion Ratio Lower Upper

91 100

92 54.9 43.8 65.8

134 23.7 19.3 28.9

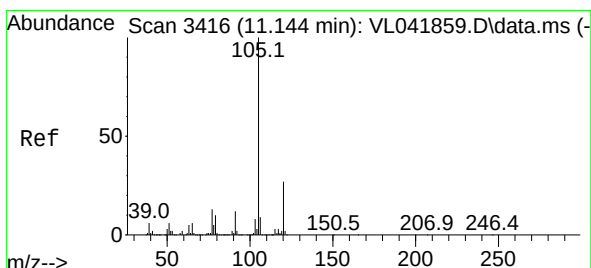
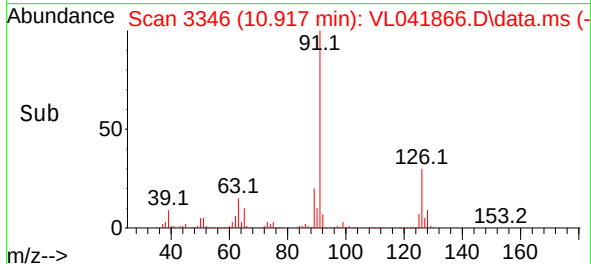
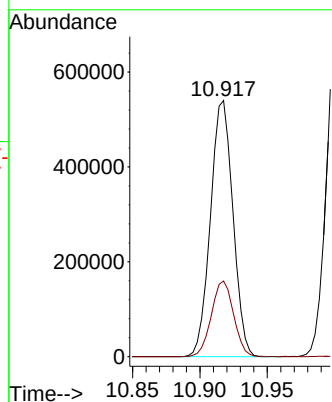
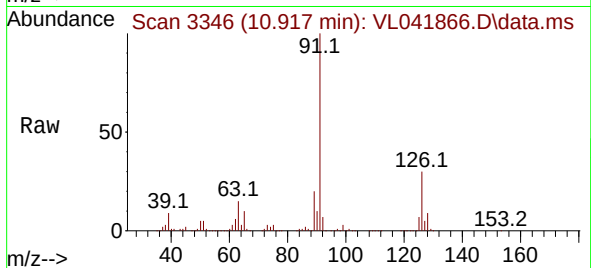




#71
2-Chlorotoluene
Concen: 9.116 ppbv
RT: 10.917 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

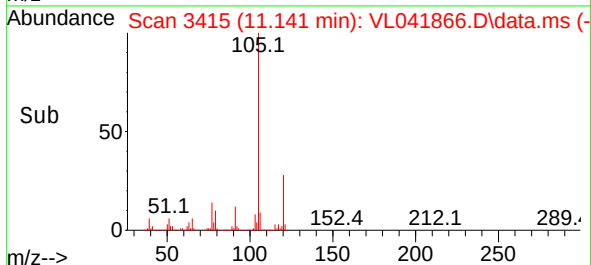
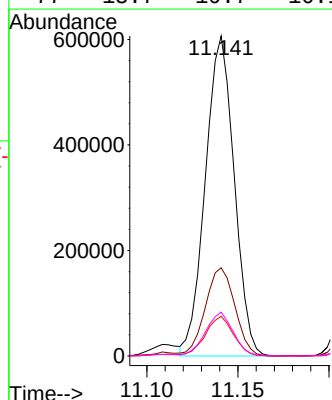
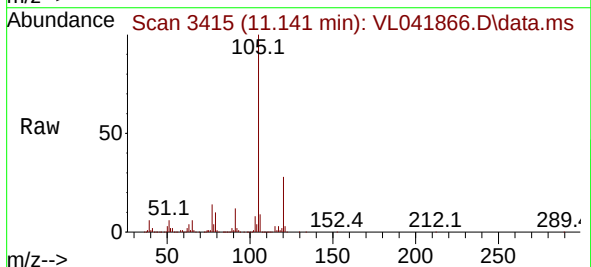
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010925

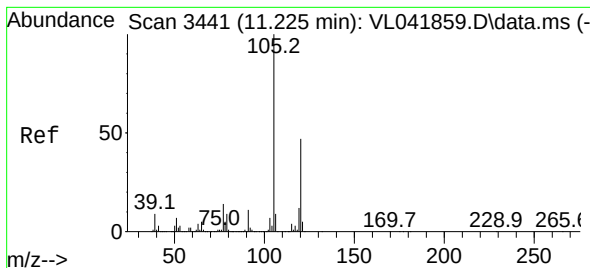
Tgt Ion: 91 Resp: 625951
Ion Ratio Lower Upper
91 100
126 29.3 11.6 46.6



#72
4-Ethyltoluene
Concen: 9.254 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion:105 Resp: 668428
Ion Ratio Lower Upper
105 100
120 29.3 23.5 35.3
91 12.6 9.8 14.8
77 13.7 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.332 ppbv

RT: 11.218 min Scan# 3441

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

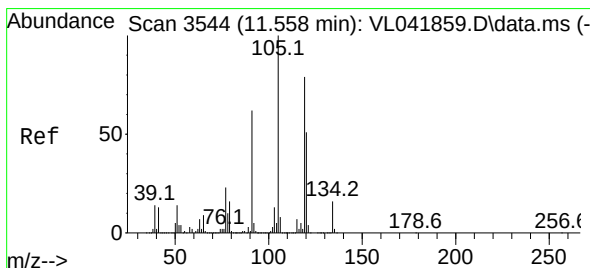
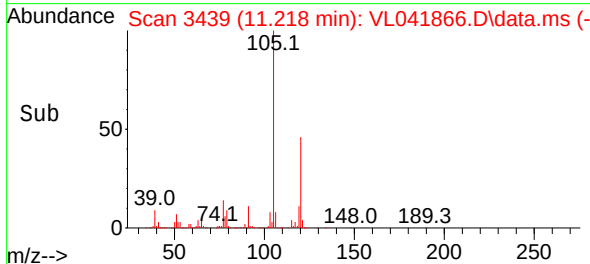
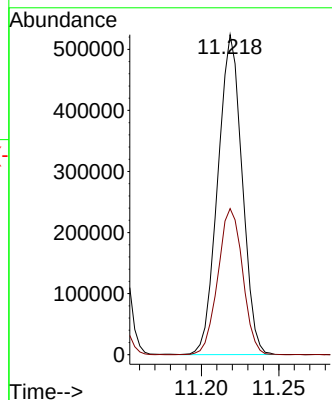
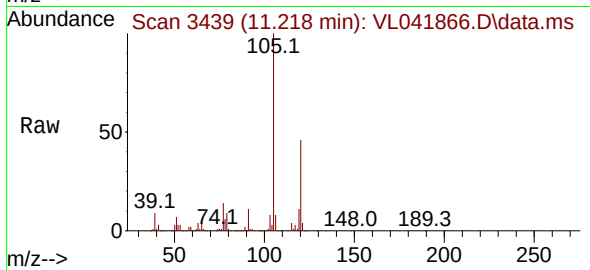
ICVVL010925

Tgt Ion:105 Resp: 572229

Ion Ratio Lower Upper

105 100

120 45.6 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 9.114 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.006 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Tgt Ion:105 Resp: 607041

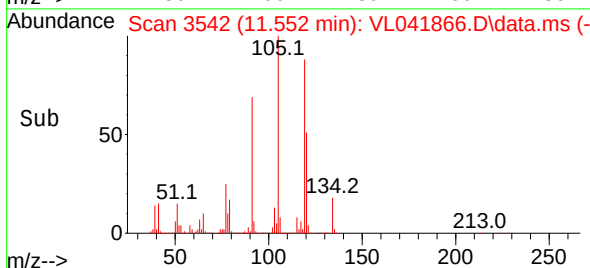
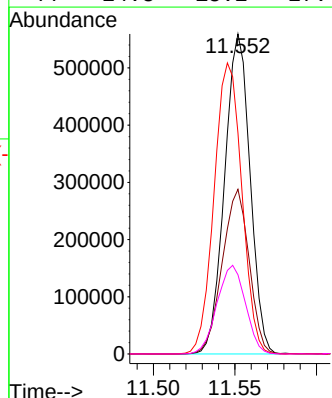
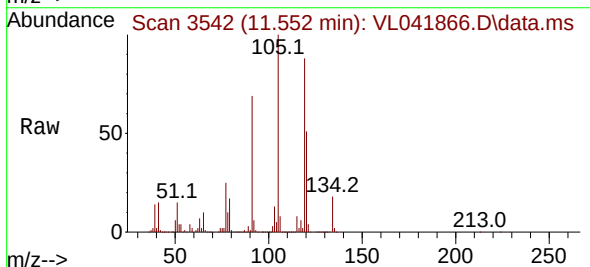
Ion Ratio Lower Upper

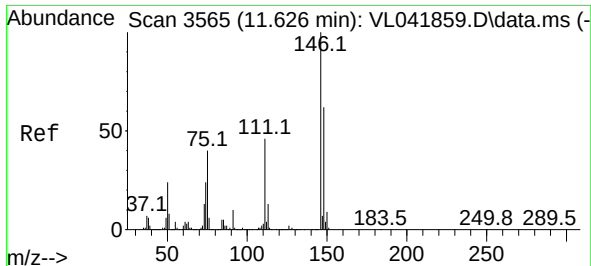
105 100

120 51.4 41.1 61.7

91 69.0 50.0 75.0

77 24.8 18.2 27.4

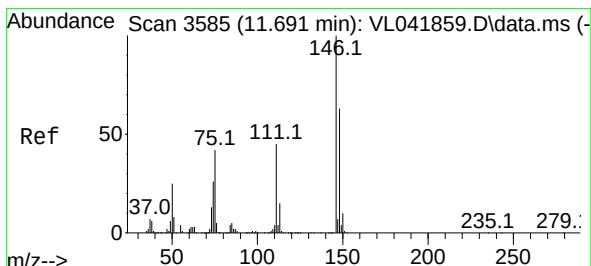
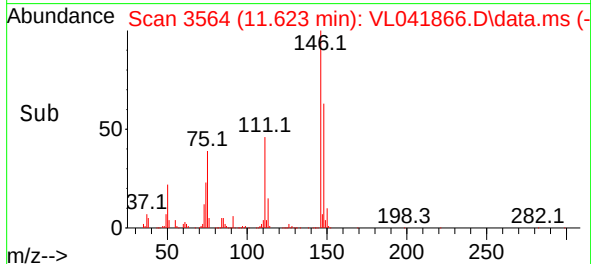
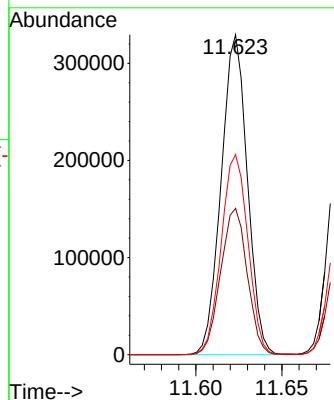
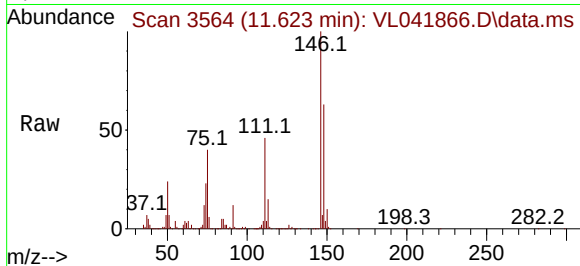




#75
1,3-Dichlorobenzene
Concen: 8.734 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

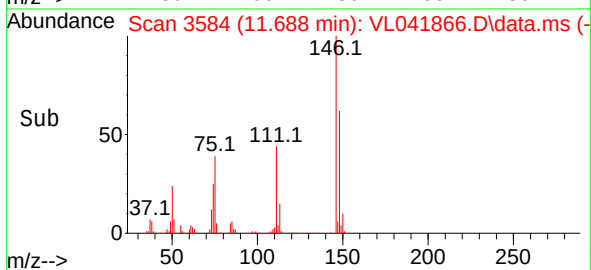
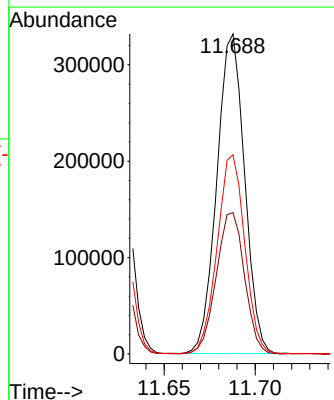
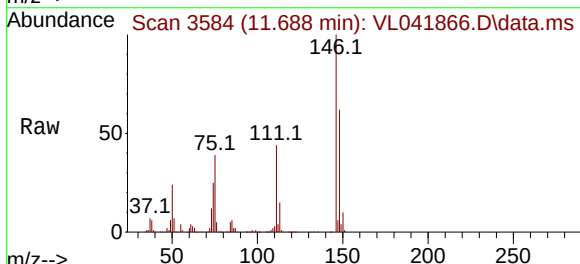
Instrument :
MSVOA_1
ClientSampleId :
ICVVL010925

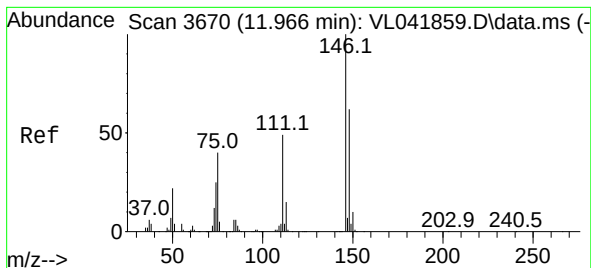
Tgt Ion:146 Resp: 348741
Ion Ratio Lower Upper
146 100
111 46.6 23.2 69.5
148 63.9 31.6 94.7



#76
1,4-Dichlorobenzene
Concen: 8.884 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. -0.003 min
Lab File: VL041866.D
Acq: 09 Jan 2025 15:15

Tgt Ion:146 Resp: 351167
Ion Ratio Lower Upper
146 100
111 45.1 22.1 66.1
148 62.2 31.2 93.6





#77

1,2-Dichlorobenzene

Concen: 8.912 ppbv

RT: 11.963 min Scan# 3669

Delta R.T. -0.003 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

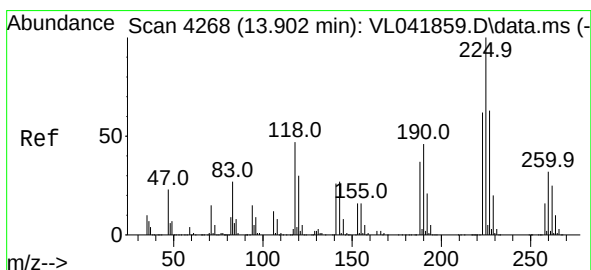
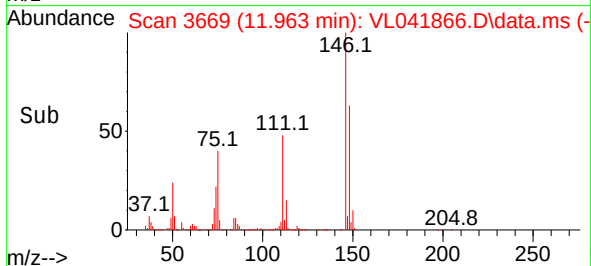
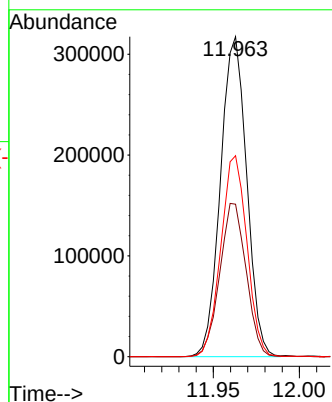
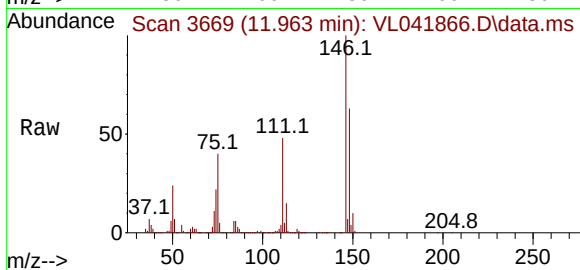
Tgt Ion:146 Resp: 336372

Ion Ratio Lower Upper

146 100

111 48.4 24.1 72.3

148 62.6 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 7.639 ppbv

RT: 13.895 min Scan# 4266

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

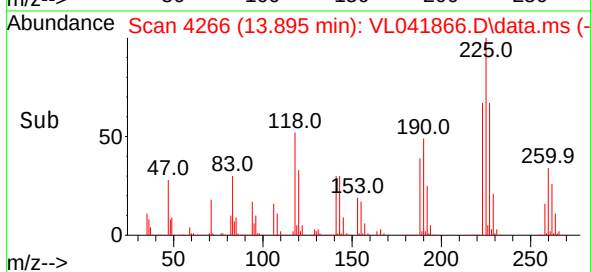
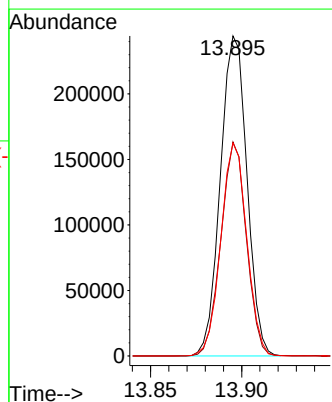
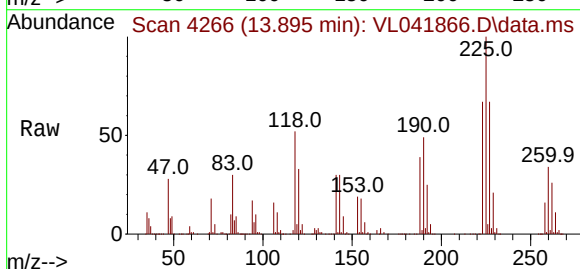
Tgt Ion:225 Resp: 247845

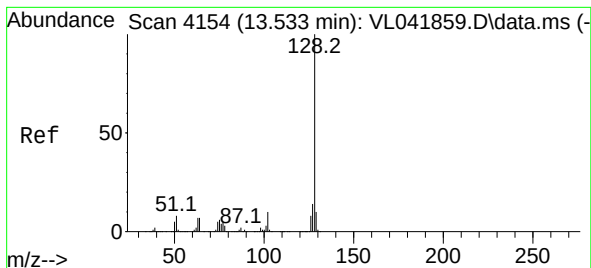
Ion Ratio Lower Upper

225 100

223 63.9 50.6 75.8

227 64.8 50.9 76.3





#79

Naphthalene

Concen: 7.583 ppbv

RT: 13.526 min Scan# 4154

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010925

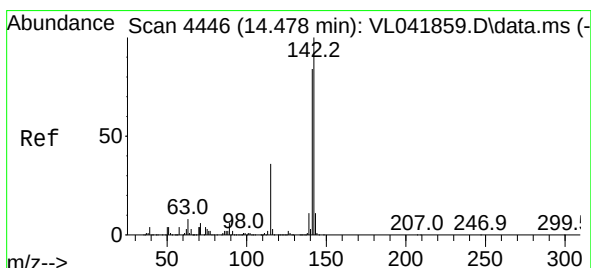
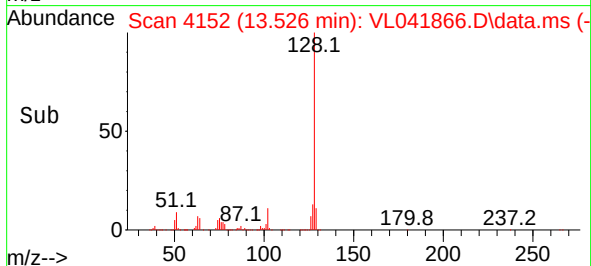
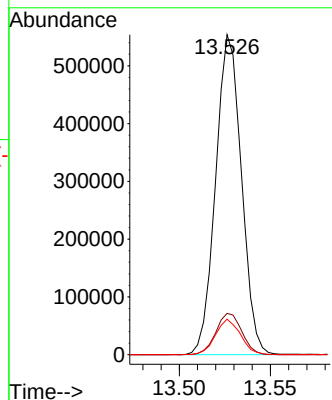
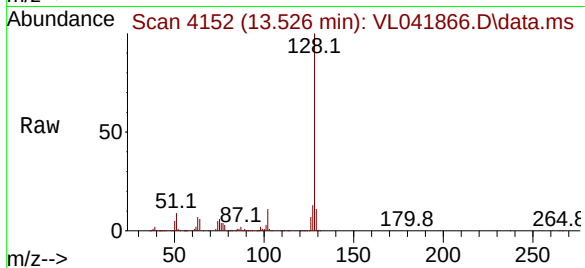
Tgt Ion:128 Resp: 544143

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 11.1 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 6.006 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. -0.007 min

Lab File: VL041866.D

Acq: 09 Jan 2025 15:15

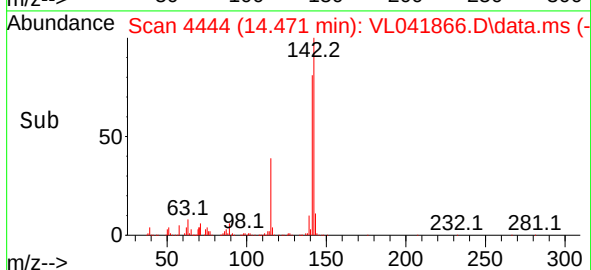
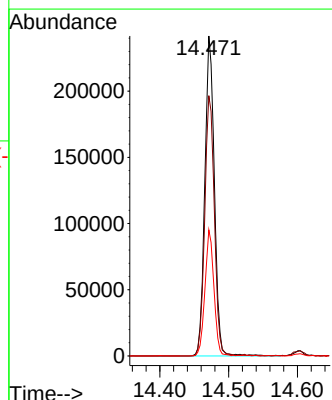
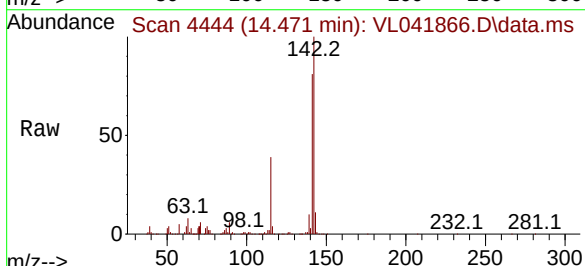
Tgt Ion:142 Resp: 232445

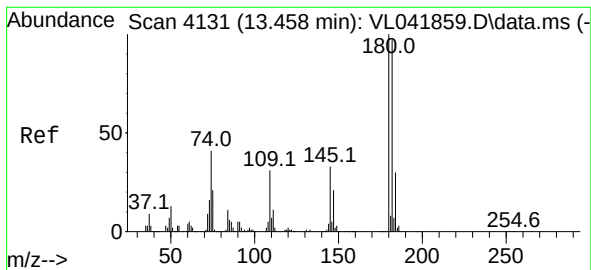
Ion Ratio Lower Upper

142 100

141 82.9 68.2 102.4

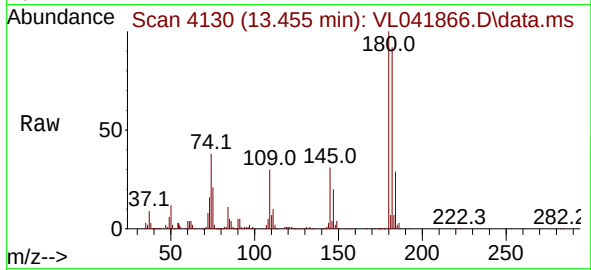
115 37.5 29.4 44.2



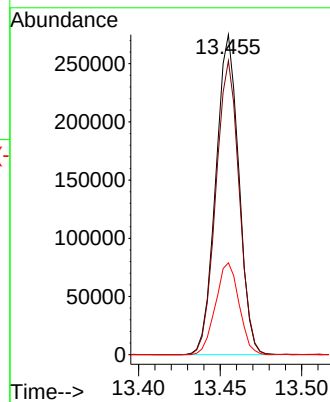
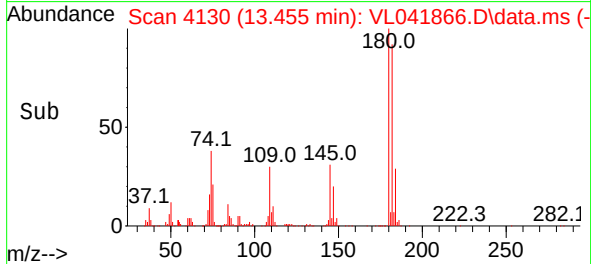


#81
 1,2,4-Trichlorobenzene
 Concen: 7.888 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041866.D
 Acq: 09 Jan 2025 15:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010925



Tgt Ion:	180	Resp:	269501
Ion Ratio	Lower	Upper	
180	100		
182	93.1	75.8	113.8
184	29.4	24.1	36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041870.D
 Acq On : 09 Jan 2025 17:32
 Operator : SY/MD
 Sample : VL0109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

Quant Time: Jan 10 01:42:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.803	49	122543	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	372014	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	340087	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	274569	10.069	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	214765	10.675	ppbv	99
3) Chlorodifluoromethane	1.483	51	219609	9.938	ppbv	98
4) Chloromethane	1.538	50	79635	10.183	ppbv	99
5) Vinyl Chloride	1.586	62	78642	9.456	ppbv	99
6) Bromomethane	1.674	94	37722	9.624	ppbv	98
7) Chloroethane	1.713	64	32686	10.139	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	180586	10.325	ppbv	98
9) Propene	1.489	41	97956	9.500	ppbv	100
10) Heptane	5.007	43	265739	9.773	ppbv	99
11) Trichlorofluoromethane	1.887	101	218631	10.573	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.149	101	176361	10.543	ppbv	96
13) Ethanol	1.729	45	6453	9.854	ppbv	95
14) Bromoethene	1.790	108	62928	10.509	ppbv	98
15) Acetone	1.842	43	174247	8.431	ppbv	97
16) 1,3-Butadiene	1.615	39	81413	9.171	ppbv	95
17) tert-Butyl alcohol	2.049	59	244537	10.428	ppbv	98
18) 1,1-Dichloroethene	2.043	96	78665	10.392	ppbv	99
19) Isopropyl Alcohol	1.894	45	102969	9.479	ppbv	99
20) Methylene Chloride	2.072	84	66435	9.423	ppbv	95
21) Allyl Chloride	2.107	41	132275	10.002	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	87608	9.995	ppbv	98
23) Vinyl Acetate	2.476	43	97489	9.309	ppbv #	98
24) 1,1-Dichloroethane	2.421	63	172510	10.392	ppbv #	98
25) Ethyl Acetate	2.852	43	523764	10.198	ppbv	99
26) Hexane	2.842	57	210453	9.961	ppbv	99
27) Carbon Disulfide	2.162	76	208581	10.307	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	131707	8.169	ppbv	98
29) Chloroform	2.865	83	302447	10.231	ppbv	96
30) Cyclohexane	3.878	84	180360	9.941	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	208408	10.094	ppbv	97
32) 1,1,1-Trichloroethane	3.386	97	305295	10.396	ppbv	99
34) 2-Butanone	2.570	43	301434	9.747	ppbv	99
35) Carbon Tetrachloride	3.784	117	300238	10.385	ppbv	98
36) Benzene	3.677	78	433563	10.046	ppbv	98
37) 1,2-Dichloroethane	3.237	62	233267	10.302	ppbv	100
38) Trichloroethene	4.574	130	105456	6.189	ppbv	96
39) 1,2-Dichloropropane	4.337	63	152646	9.943	ppbv	97
40) 1,4-Dioxane	4.613	88	69319	8.979	ppbv #	87
41) Tetrahydrofuran	3.072	42	169639	9.340	ppbv	96
42) Bromodichloromethane	4.515	83	324422	10.429	ppbv	99
43) Methyl Methacrylate	4.907	69	175507	9.930	ppbv	99
44) 2,2,4-Trimethylpentane	4.668	57	725640	9.954	ppbv	99
45) t-1,3-Dichloropropene	6.444	75	175855	9.722	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041870.D
 Acq On : 09 Jan 2025 17:32
 Operator : SY/MD
 Sample : VL0109ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

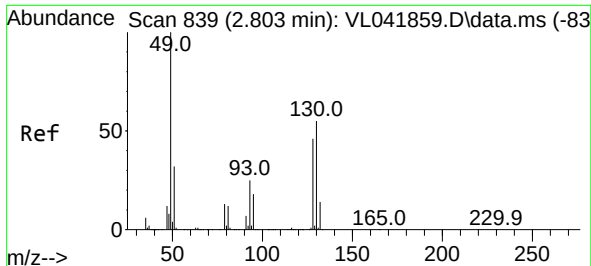
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	224860	9.688	ppbv	99
47) 1,1,2-Trichloroethane	6.616	97	161735	10.013	ppbv	98
48) Dibromochloromethane	7.412	129	261021	10.656	ppbv	98
49) Bromoform	9.503	173	224507	10.502	ppbv	100
50) 4-Methyl-2-Pentanone	5.784	43	429608	9.735	ppbv	100
51) 2-Hexanone	7.464	43	348688	9.606	ppbv	100
52) Tetrachloroethene	8.247	164	147986	8.949	ppbv	97
53) Toluene	6.962	91	508818	9.913	ppbv	100
54) 1,2-Dibromoethane	7.678	107	222055	10.109	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	204382	10.083	ppbv	99
57) Chlorobenzene	8.943	112	374449	9.875	ppbv	98
58) Ethyl Benzene	9.374	91	697634	9.977	ppbv	98
59) m/p-Xylene	9.555	91	582104	10.534	ppbv #	100
60) o-Xylene	9.982	91	542913	9.850	ppbv	100
61) Styrene	9.888	104	270452	9.826	ppbv	99
62) Isopropylbenzene	10.558	105	823744	9.926	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	320068	9.668	ppbv	99
64) n-propylbenzene	11.005	120	210154	9.719	ppbv	97
65) tert-Butylbenzene	11.549	119	733119	9.761	ppbv	99
66) Benzyl Chloride	11.633	91	59367	7.631	ppbv	99
67) sec-Butylbenzene	11.785	105	997840	9.642	ppbv	99
69) p-Isopropyltoluene	11.944	119	845742	9.577	ppbv	99
70) n-Butylbenzene	12.296	91	833307	9.402	ppbv	99
71) 2-Chlorotoluene	10.918	91	615640	9.582	ppbv	99
72) 4-Ethyltoluene	11.141	105	656224	9.710	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	562687	9.807	ppbv	99
74) 1,2,4-Trimethylbenzene	11.552	105	586850	9.416	ppbv #	84
75) 1,3-Dichlorobenzene	11.623	146	344200	9.212	ppbv	100
76) 1,4-Dichlorobenzene	11.688	146	343950	9.299	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	328031	9.288	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	243823	8.032	ppbv	99
79) Naphthalene	13.529	128	523668	7.800	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	200530	5.538	ppbv	99
81) 1,2,4-Trichlorobenzene	13.458	180	254295	7.954	ppbv	99

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

Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

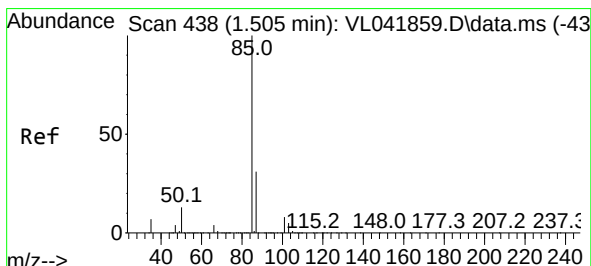
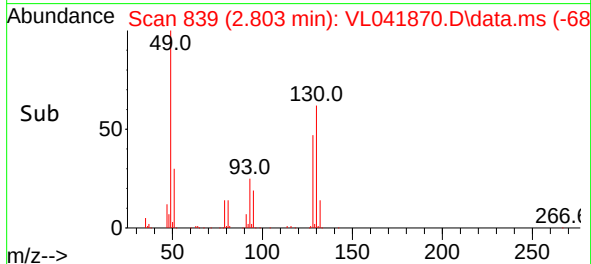
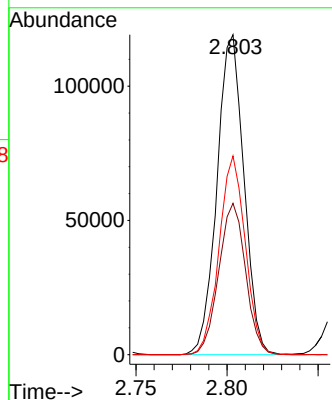
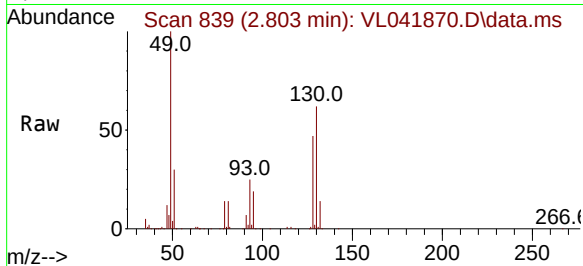
[illegible]



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 839
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

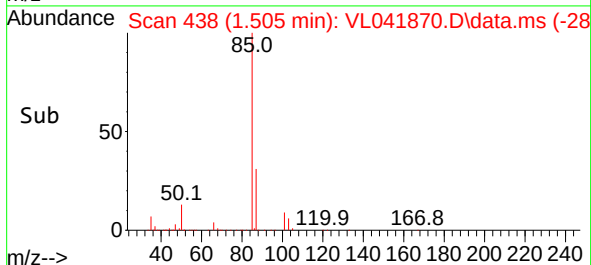
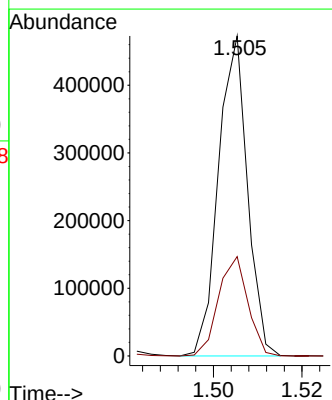
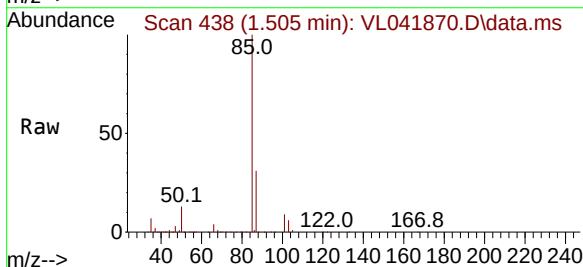
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

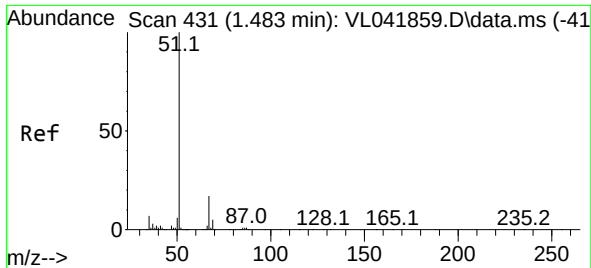
Tgt Ion: 49 Resp: 122543
 Ion Ratio Lower Upper
 49 100
 128 47.1 23.2 69.5
 130 60.4 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 10.675 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 85 Resp: 214765
 Ion Ratio Lower Upper
 85 100
 87 31.1 25.2 37.8

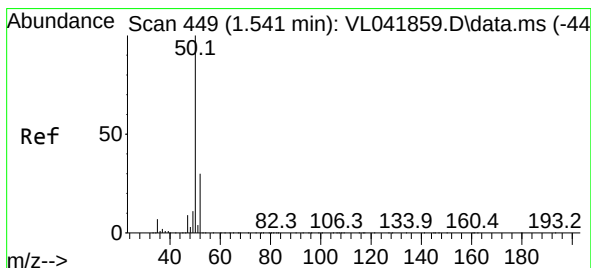
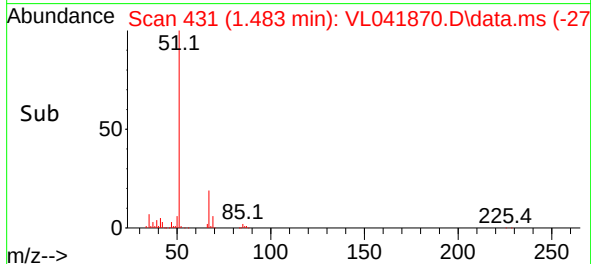
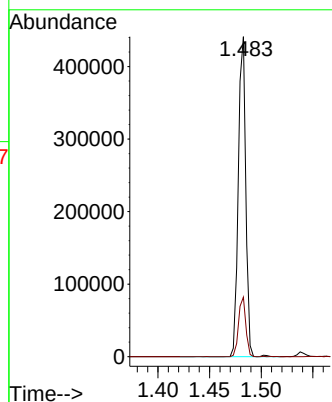
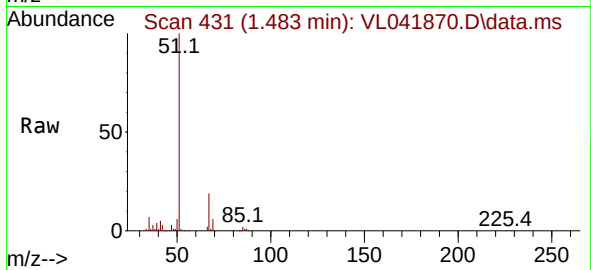




#3
Chlorodifluoromethane
Concen: 9.938 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

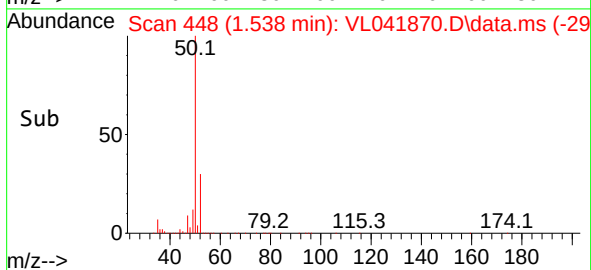
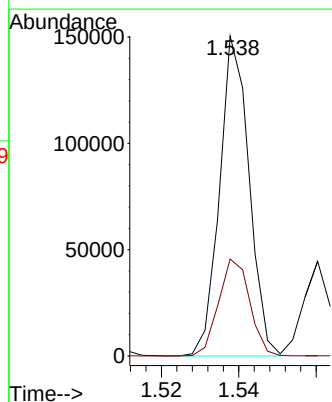
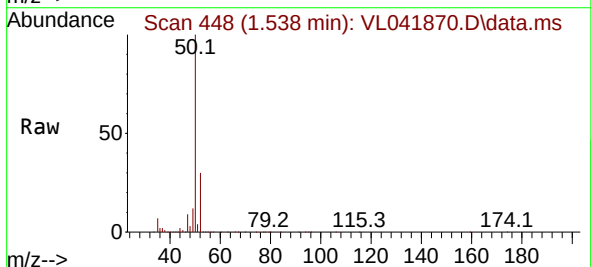
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

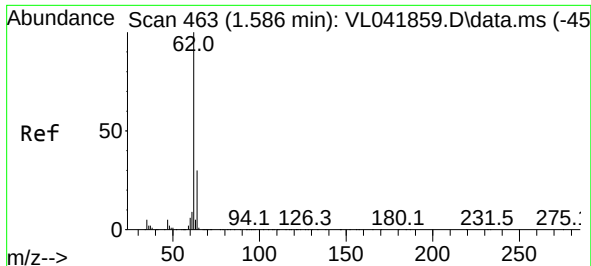
Tgt Ion: 51 Resp: 219609
Ion Ratio Lower Upper
51 100
67 18.2 13.8 20.8



#4
Chloromethane
Concen: 10.183 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 50 Resp: 79635
Ion Ratio Lower Upper
50 100
52 30.3 23.9 35.9

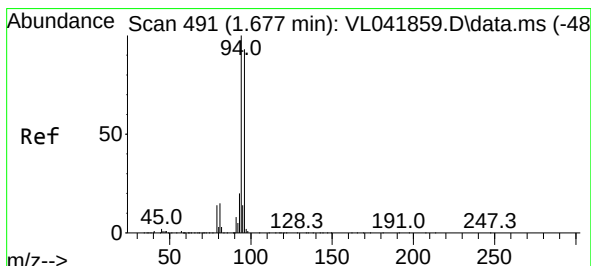
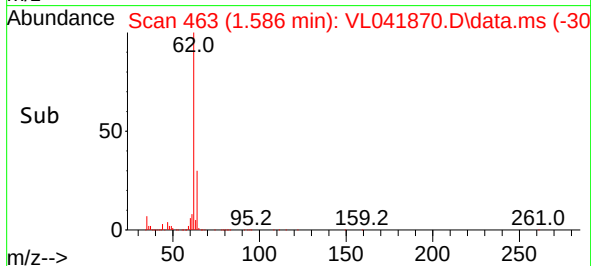
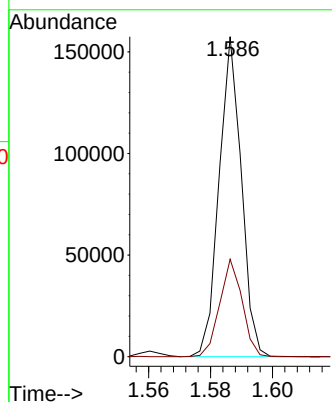
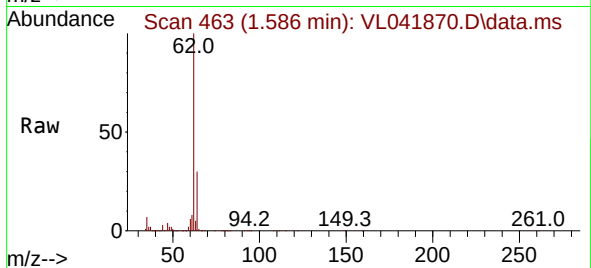




#5
 Vinyl Chloride
 Concen: 9.456 ppbv
 RT: 1.586 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

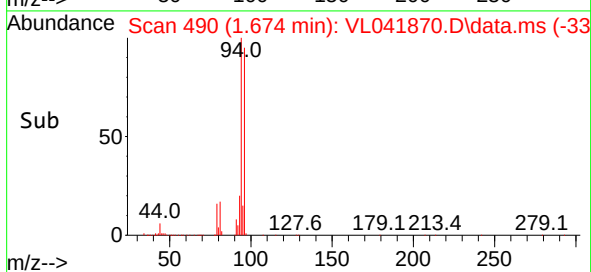
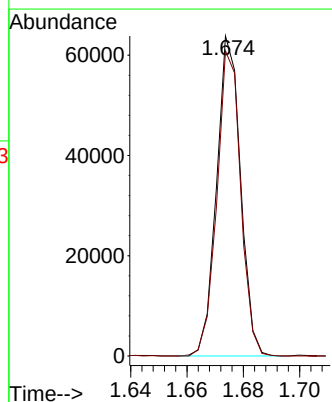
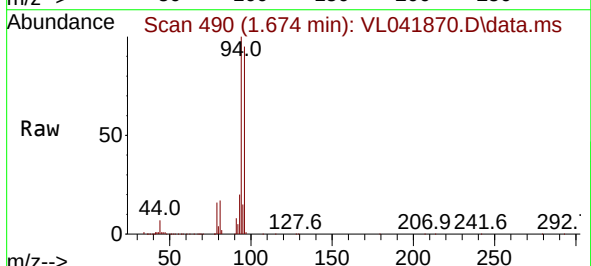
Instrument :
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 ClientSampleId :
 VL0109ABS01

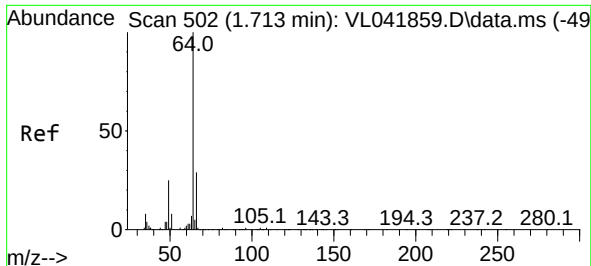
Tgt Ion: 62 Resp: 78642
 Ion Ratio Lower Upper
 62 100
 64 30.4 24.1 36.1



#6
 Bromomethane
 Concen: 9.624 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 94 Resp: 37722
 Ion Ratio Lower Upper
 94 100
 96 95.4 74.8 112.2

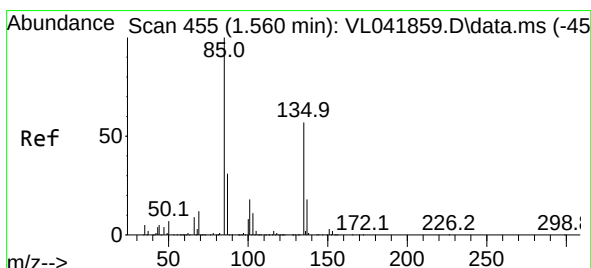
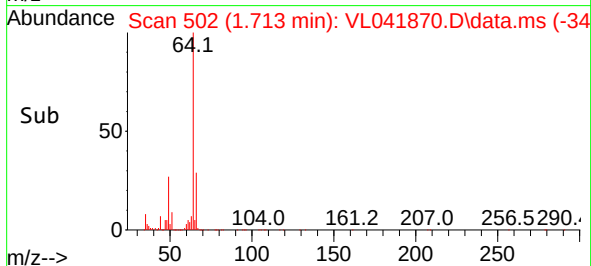
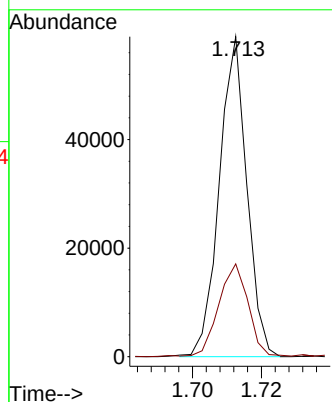
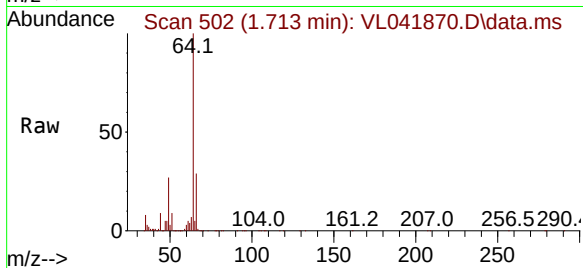




#7
Chloroethane
Concen: 10.139 ppbv
RT: 1.713 min Scan# 502
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

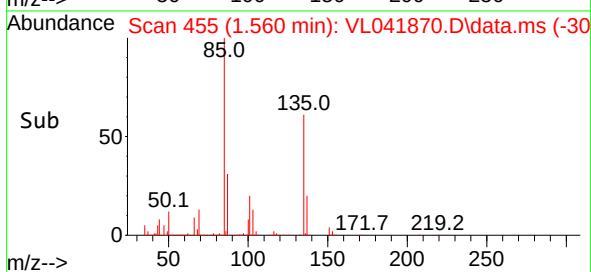
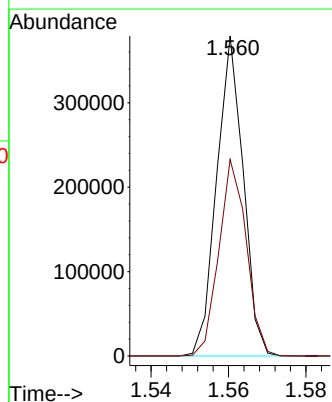
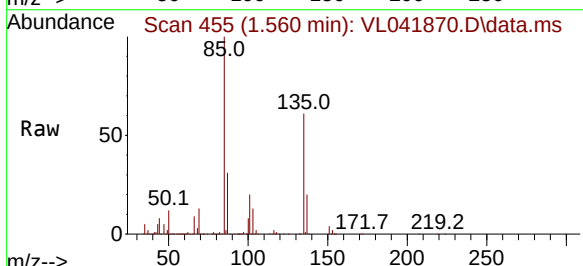
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

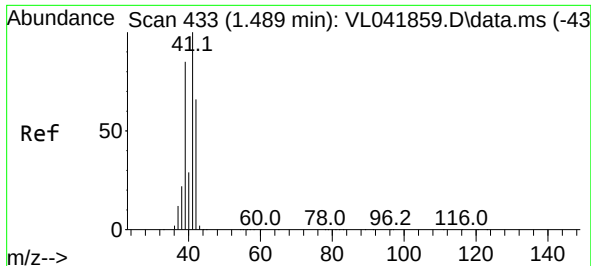
Tgt Ion: 64 Resp: 32686
Ion Ratio Lower Upper
64 100
66 29.0 23.0 34.6



#8
Dichlorotetrafluoroethane
Concen: 10.325 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 85 Resp: 180586
Ion Ratio Lower Upper
85 100
135 63.6 52.2 78.4





#9

Propene

Concen: 9.500 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_1

ClientSampleId :

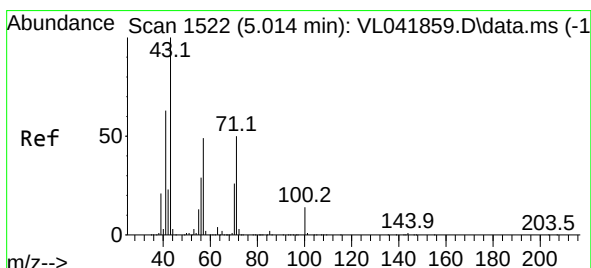
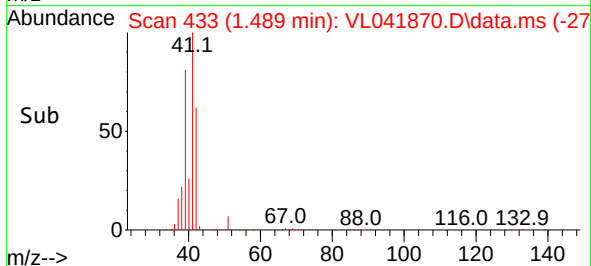
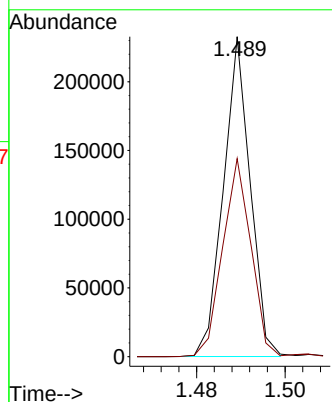
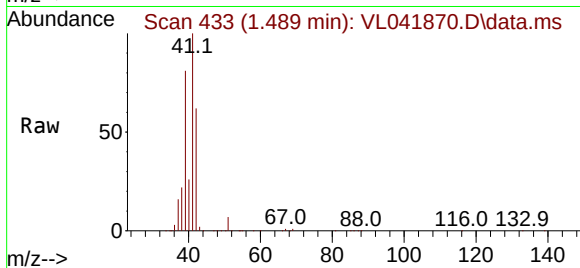
VL0109ABS01

Tgt Ion: 41 Resp: 97956

Ion Ratio Lower Upper

41 100

42 66.6 53.0 79.6



#10

Heptane

Concen: 9.773 ppbv

RT: 5.007 min Scan# 1520

Delta R.T. -0.006 min

Lab File: VL041870.D

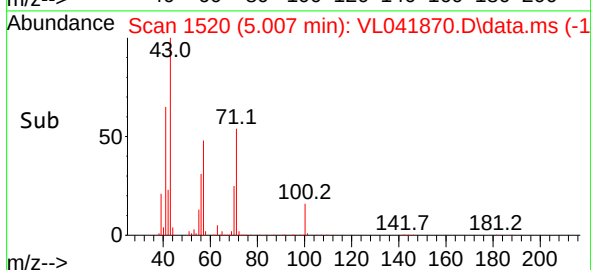
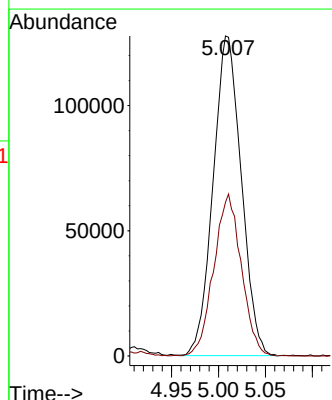
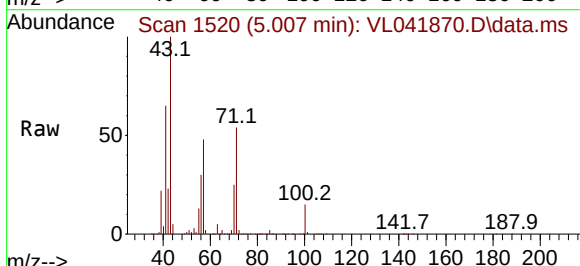
Acq: 09 Jan 2025 17:32

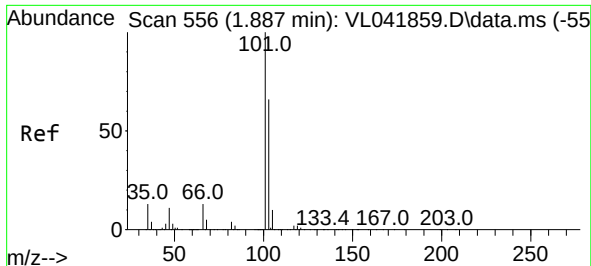
Tgt Ion: 43 Resp: 265739

Ion Ratio Lower Upper

43 100

57 49.7 40.2 60.2

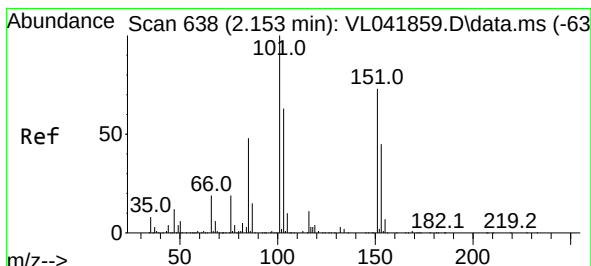
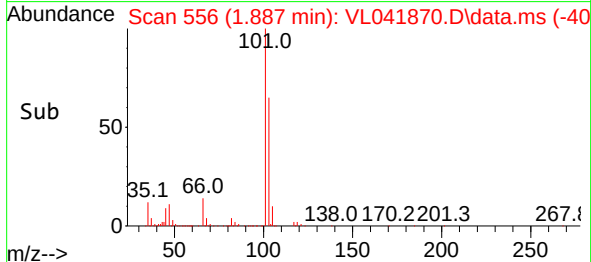
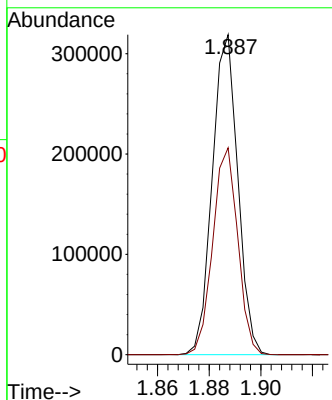
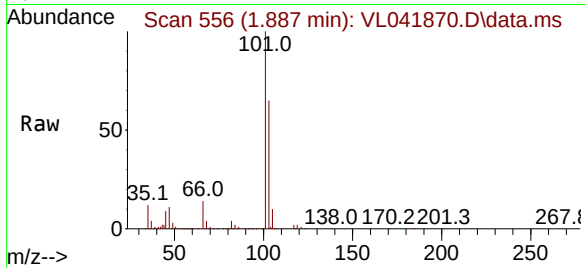




#11
 Trichlorofluoromethane
 Concen: 10.573 ppbv
 RT: 1.887 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

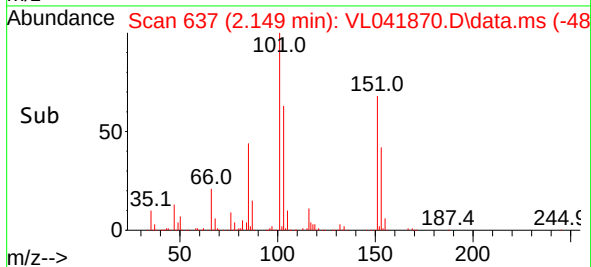
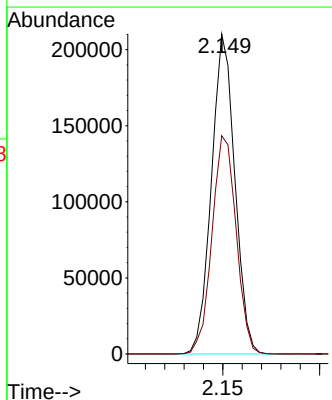
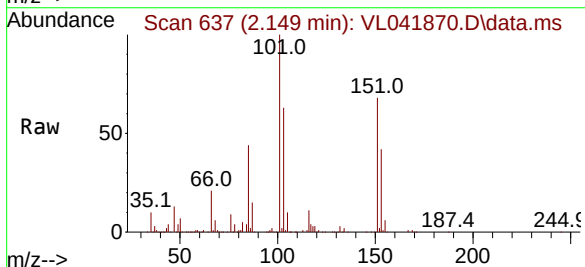
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

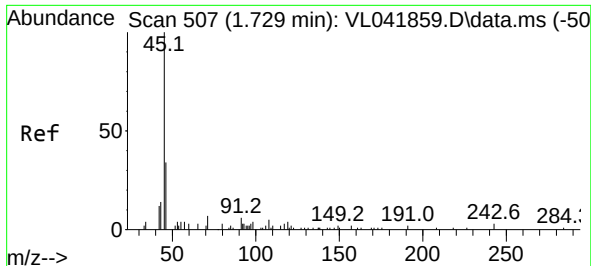
Tgt Ion:101 Resp: 218631
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.543 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion:101 Resp: 176361
 Ion Ratio Lower Upper
 101 100
 151 70.6 59.4 89.0

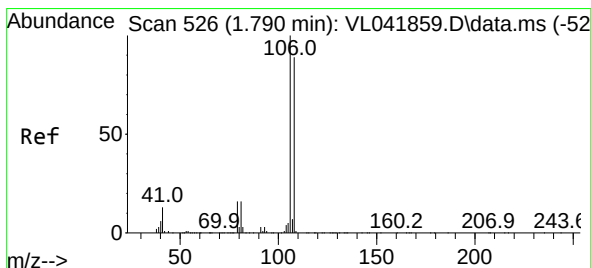
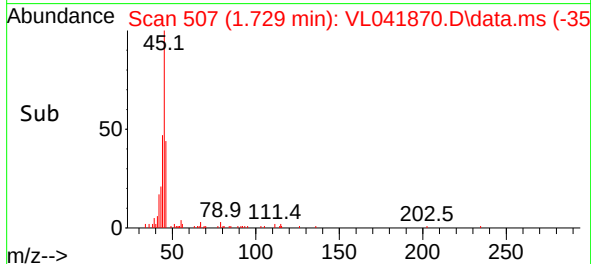
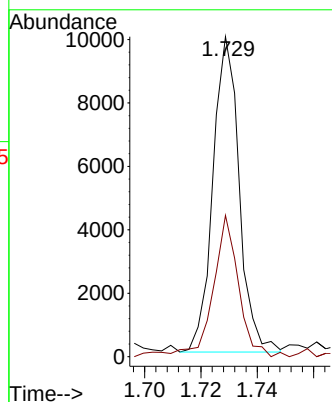
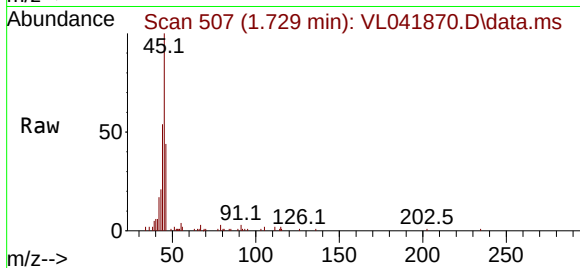




#13
Ethanol
Concen: 9.854 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

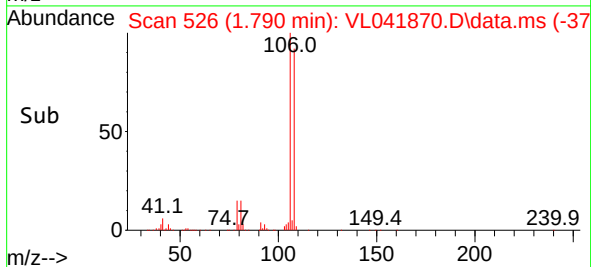
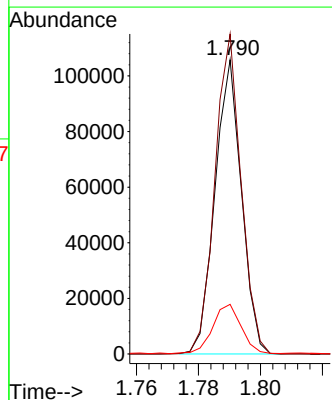
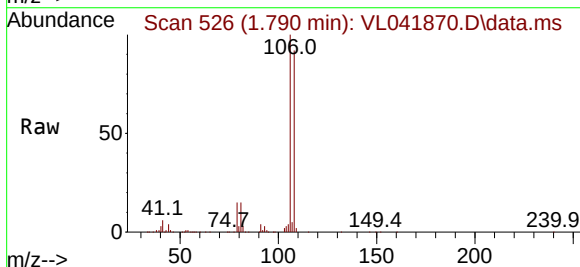
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

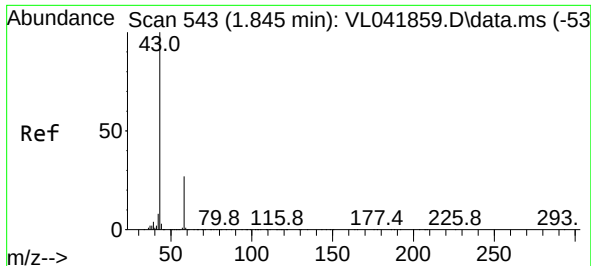
Tgt Ion: 45 Resp: 6453
Ion Ratio Lower Upper
45 100
46 44.4 19.0 76.0



#14
Bromoethene
Concen: 10.509 ppbv
RT: 1.790 min Scan# 526
Delta R.T. -0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 108 Resp: 62928
Ion Ratio Lower Upper
108 100
106 107.2 86.9 130.3
79 18.1 15.6 23.4





#15

Acetone

Concen: 8.431 ppbv

RT: 1.842 min Scan# 54

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

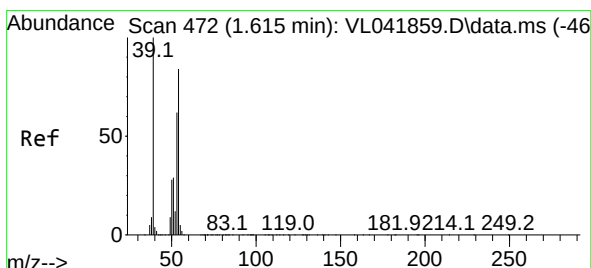
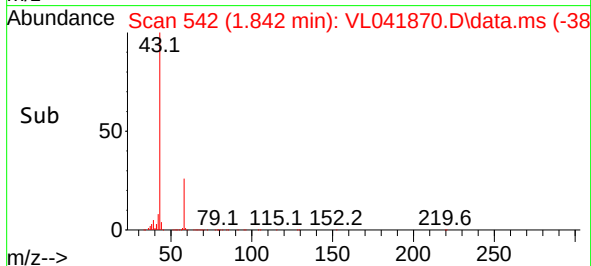
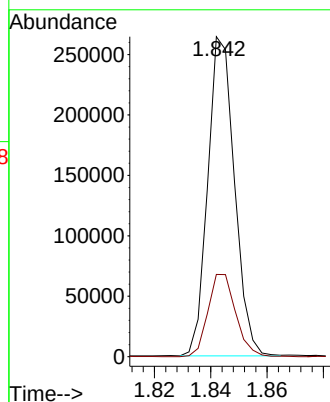
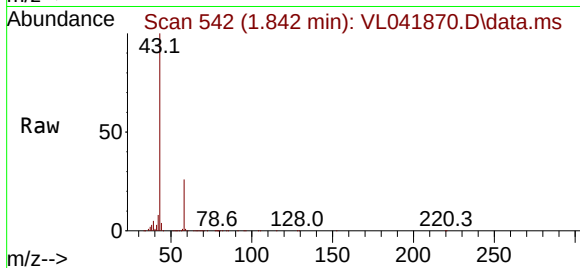
VL0109ABS01

Tgt Ion: 43 Resp: 174247

Ion Ratio Lower Upper

43 100

58 27.0 22.7 34.1



#16

1,3-Butadiene

Concen: 9.171 ppbv

RT: 1.615 min Scan# 472

Delta R.T. 0.000 min

Lab File: VL041870.D

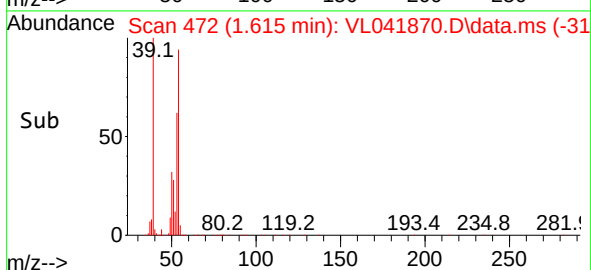
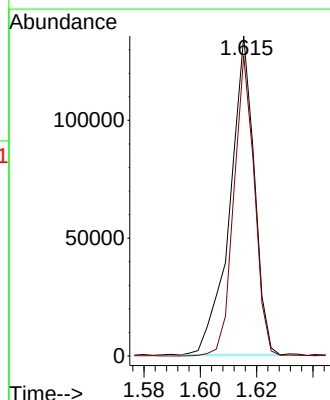
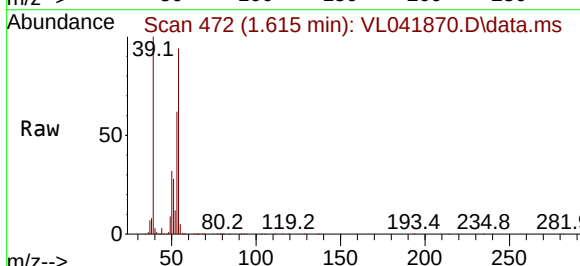
Acq: 09 Jan 2025 17:32

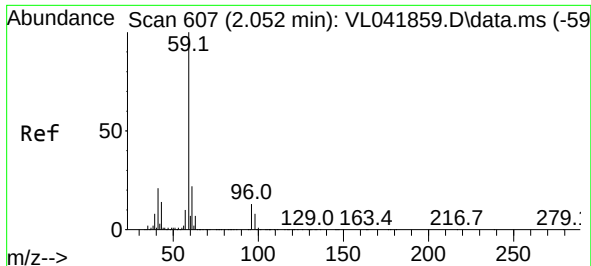
Tgt Ion: 39 Resp: 81413

Ion Ratio Lower Upper

39 100

54 79.8 60.1 90.1





#17

tert-Butyl alcohol

Concen: 10.428 ppbv

RT: 2.049 min Scan# 607

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_1

ClientSampleId :

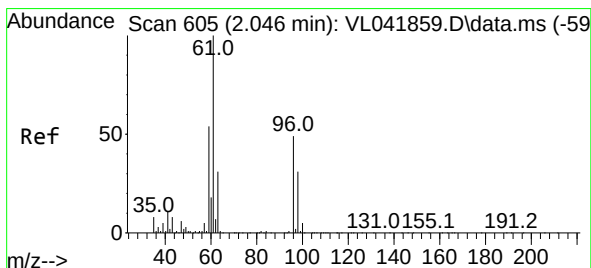
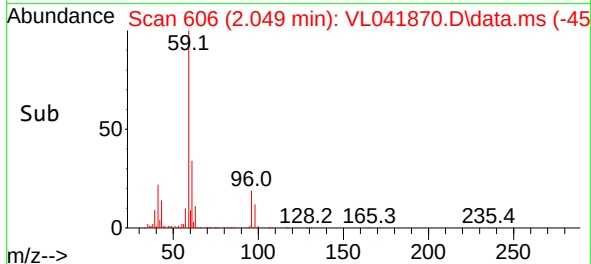
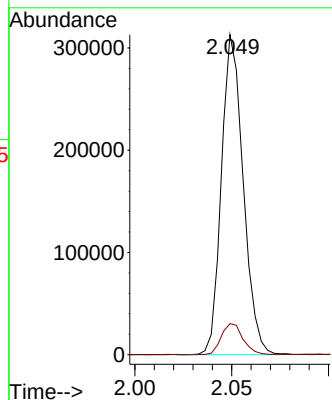
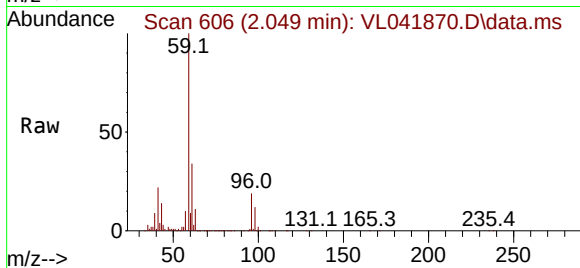
VL0109ABS01

Tgt Ion: 59 Resp: 244537

Ion Ratio Lower Upper

59 100

57 9.6 8.2 12.4



#18

1,1-Dichloroethene

Concen: 10.392 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

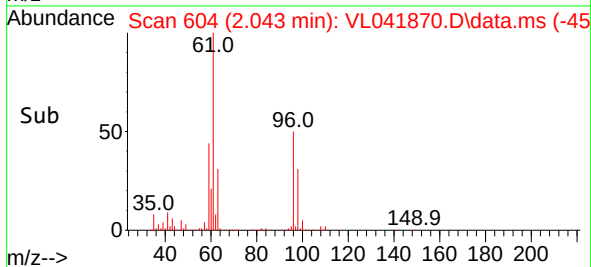
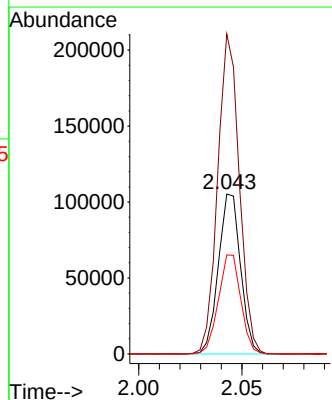
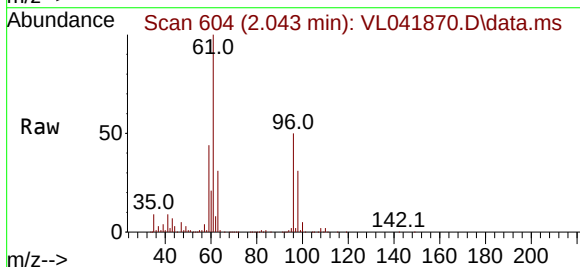
Tgt Ion: 96 Resp: 78665

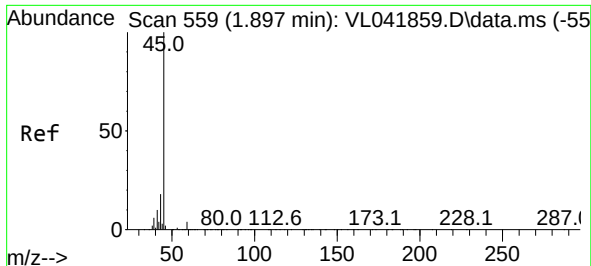
Ion Ratio Lower Upper

96 100

61 200.2 161.7 242.5

98 62.0 51.0 76.4

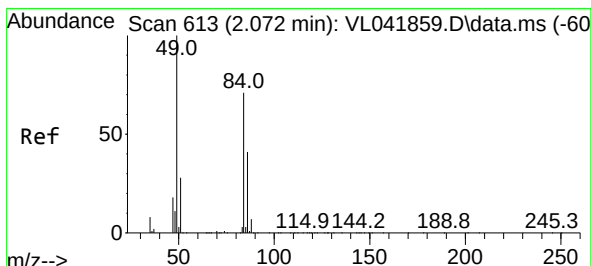
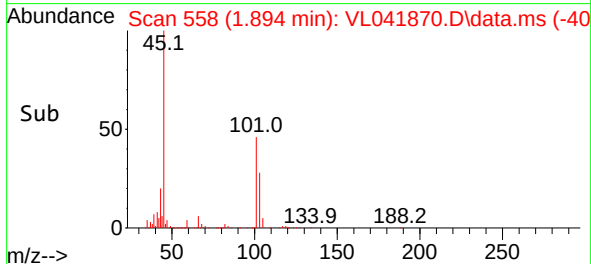
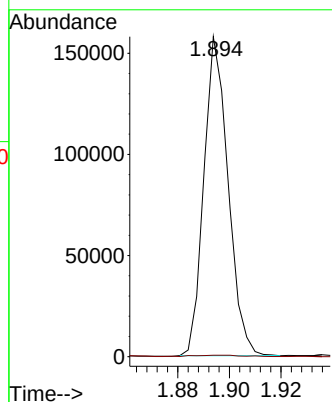
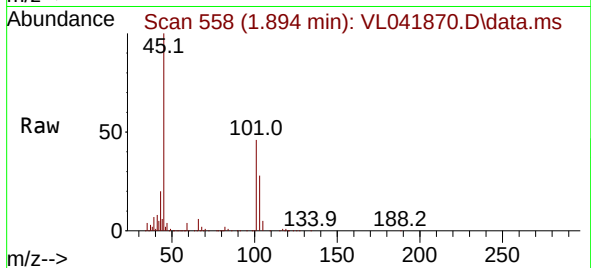




#19
Isopropyl Alcohol
Concen: 9.479 ppbv
RT: 1.894 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

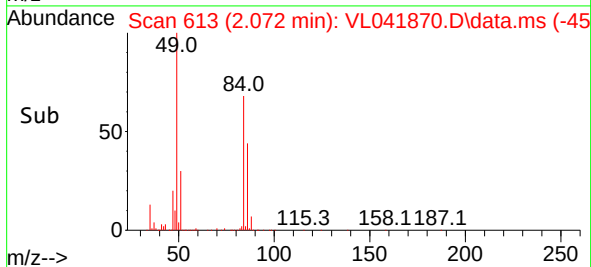
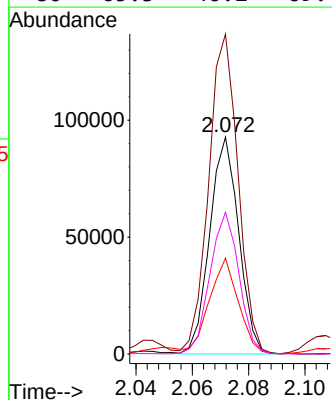
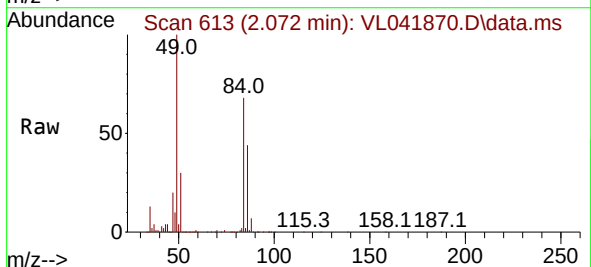
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

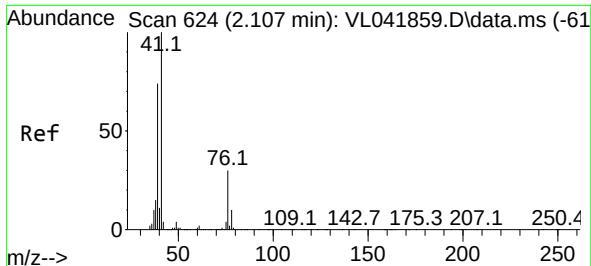
Tgt Ion: 45 Resp: 102969
Ion Ratio Lower Upper
45 100
58 45.7 37.0 55.6



#20
Methylene Chloride
Concen: 9.423 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 84 Resp: 66435
Ion Ratio Lower Upper
84 100
49 147.5 113.8 170.8
51 44.0 33.5 50.3
86 65.3 46.2 69.4

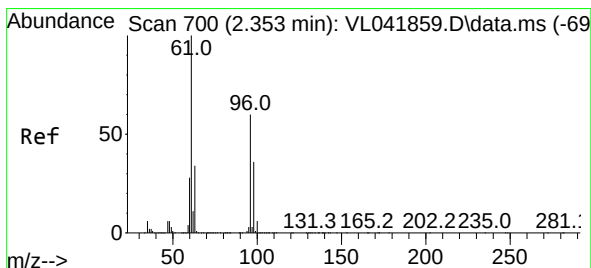
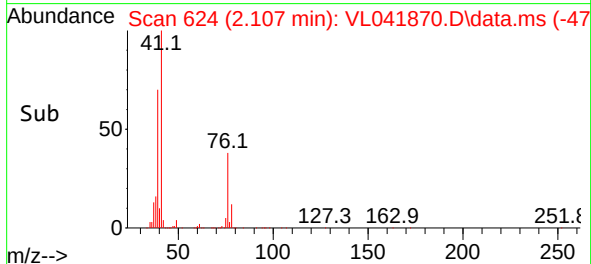
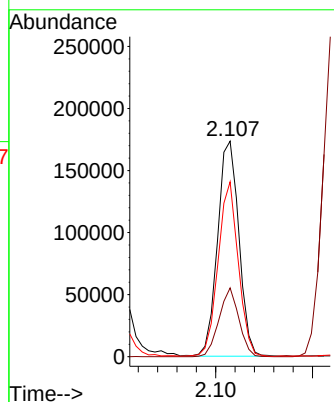
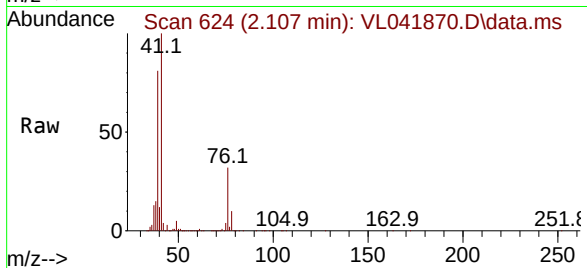




#21
 Allyl Chloride
 Concen: 10.002 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

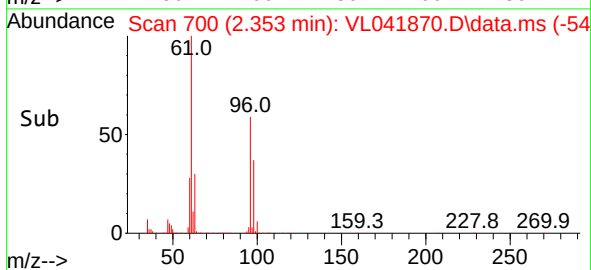
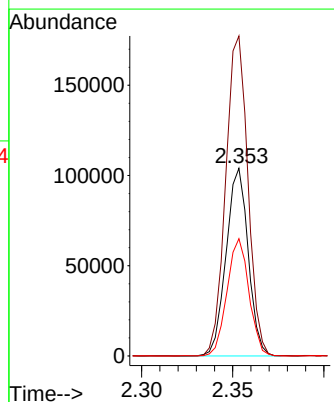
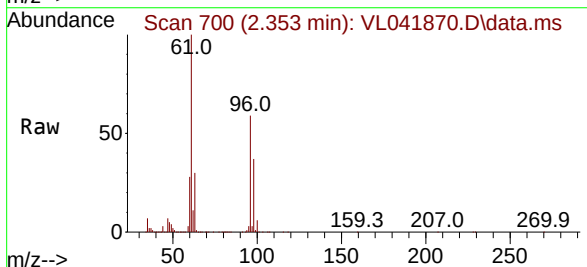
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

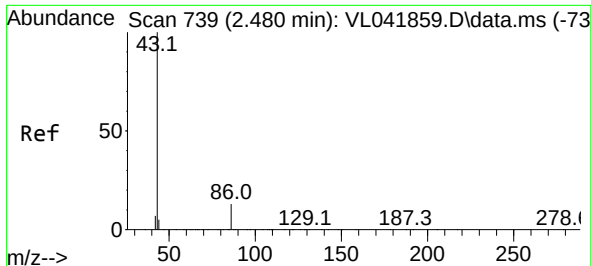
Tgt Ion: 41 Resp: 132275
 Ion Ratio Lower Upper
 41 100
 76 29.8 24.6 36.8
 39 76.4 60.1 90.1



#22
 trans-1,2-Dichloroethene
 Concen: 9.995 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 96 Resp: 87608
 Ion Ratio Lower Upper
 96 100
 61 170.5 134.2 201.4
 98 62.4 49.0 73.4

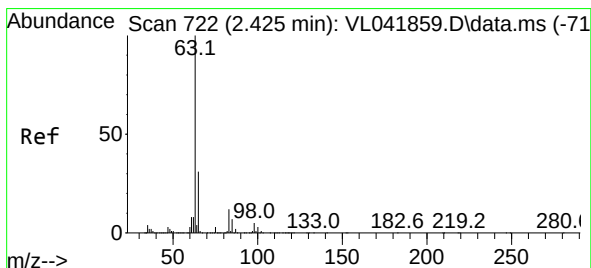
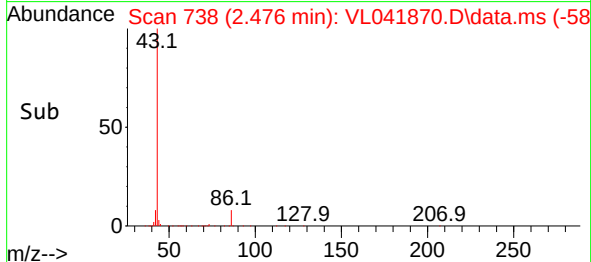
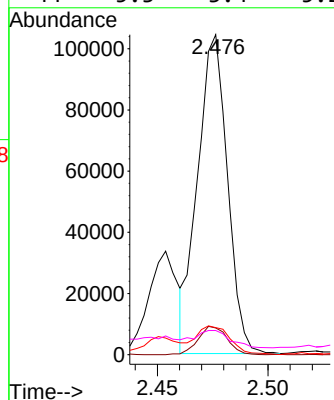
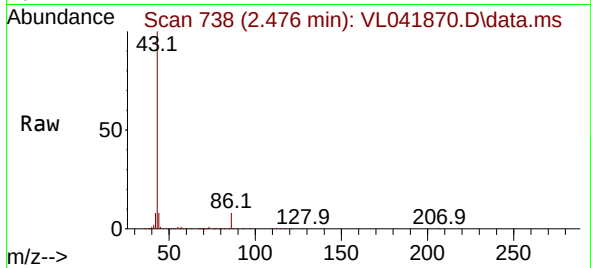




#23
 Vinyl Acetate
 Concen: 9.309 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

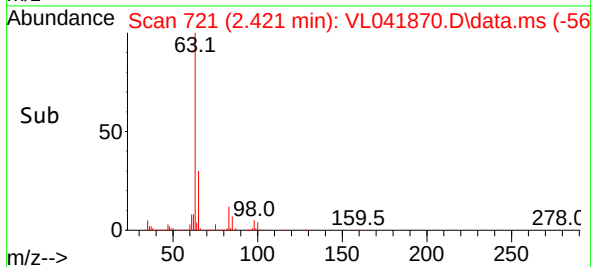
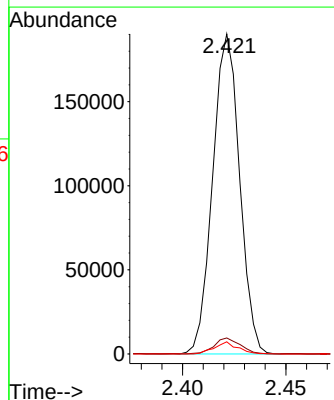
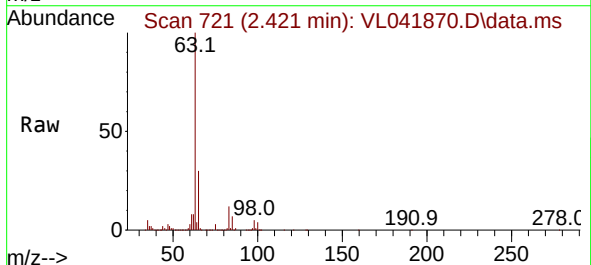
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0109ABS01

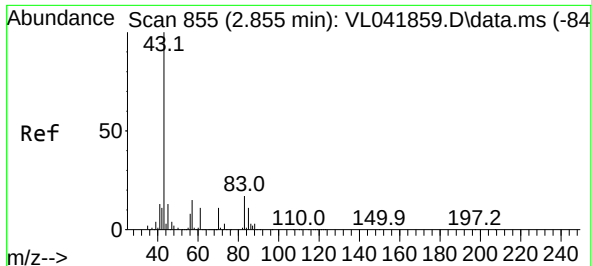
Tgt Ion: 43	Resp: 97489
Ion Ratio	Lower Upper
43 100	
86 8.3	7.8 11.6
42 8.4	7.0 10.4
44 5.3	3.4 5.2#



#24
 1,1-Dichloroethane
 Concen: 10.392 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 63	Resp: 172510
Ion Ratio	Lower Upper
63 100	
98 5.0	2.3 6.9
100 3.8	1.3 3.8#

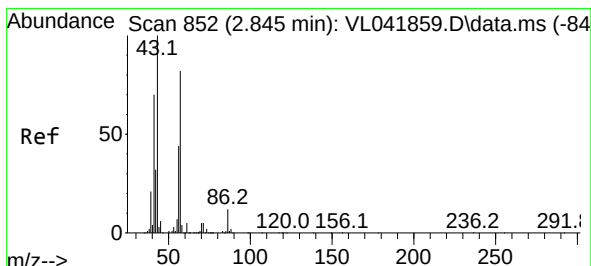
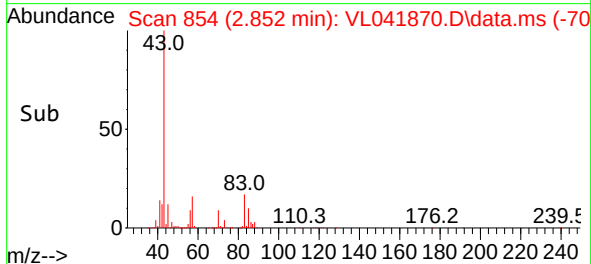
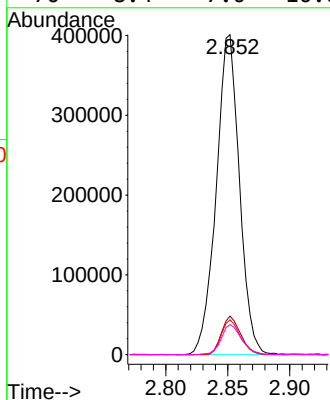
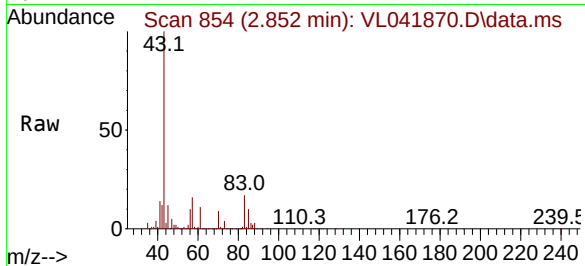




#25
Ethyl Acetate
Concen: 10.198 ppbv
RT: 2.852 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

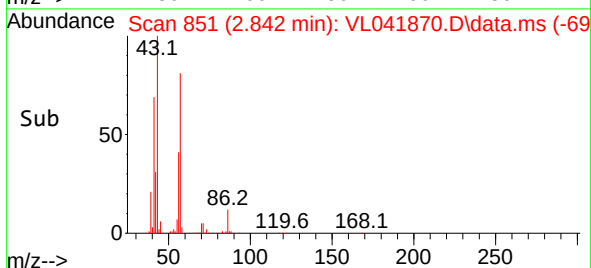
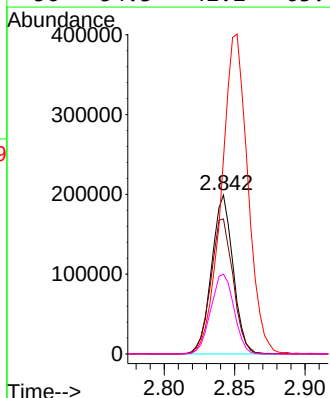
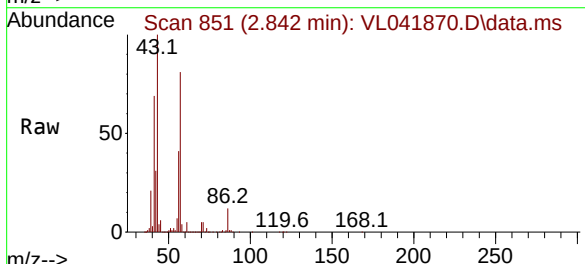
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

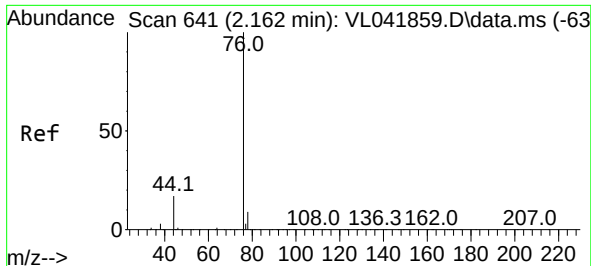
Tgt Ion: 43 Resp: 523764
Ion Ratio Lower Upper
43 100
45 10.0 8.4 12.6
61 9.0 7.3 10.9
70 8.4 7.0 10.6



#26
Hexane
Concen: 9.961 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 57 Resp: 210453
Ion Ratio Lower Upper
57 100
41 89.6 71.5 107.3
43 249.5 200.2 300.4
56 54.3 42.2 63.4

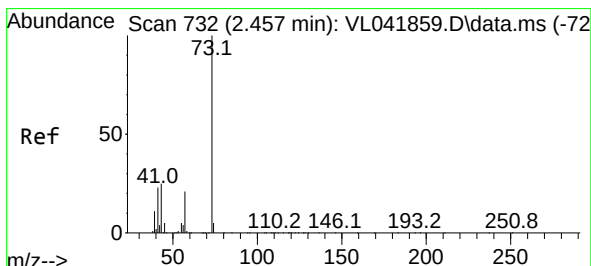
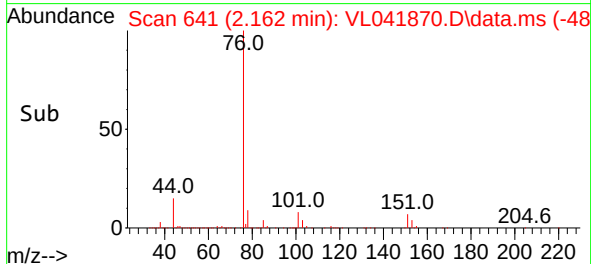
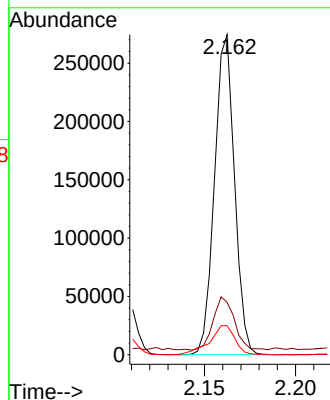
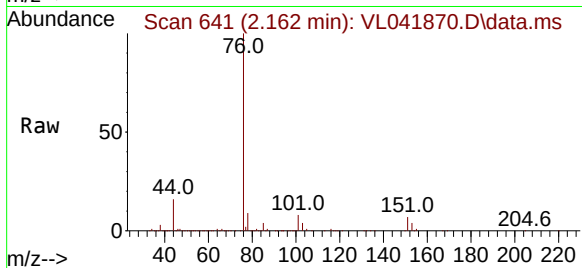




#27
Carbon Disulfide
Concen: 10.307 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

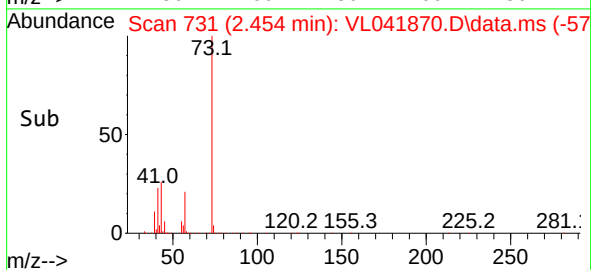
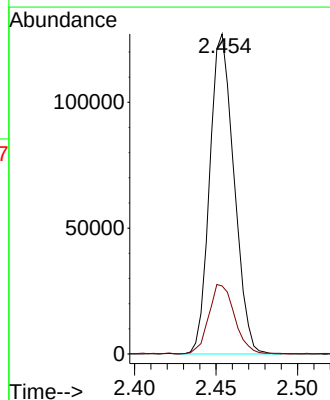
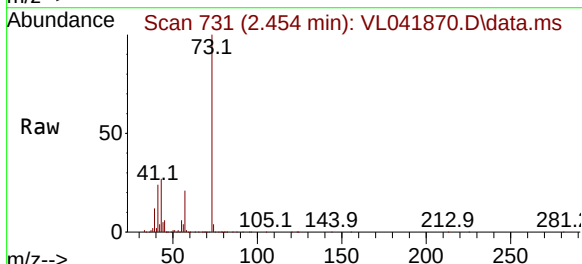
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

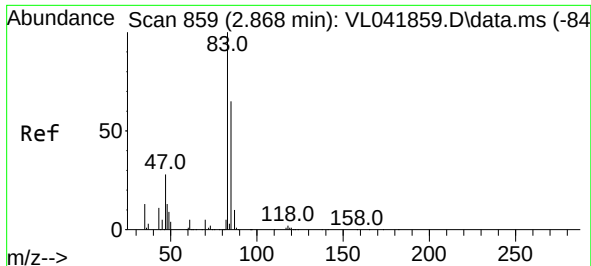
Tgt Ion: 76 Resp: 208581
Ion Ratio Lower Upper
76 100
44 17.0 13.1 19.7
78 11.5 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 8.169 ppbv
RT: 2.454 min Scan# 731
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 73 Resp: 131707
Ion Ratio Lower Upper
73 100
57 23.0 17.5 26.3

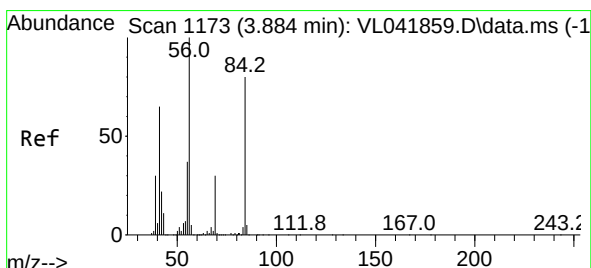
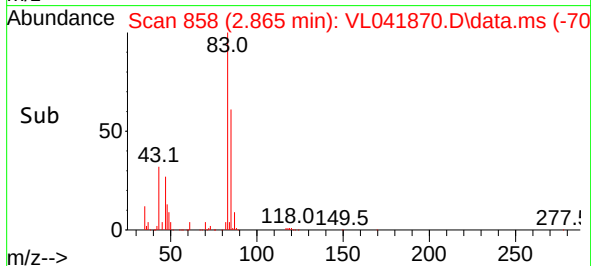
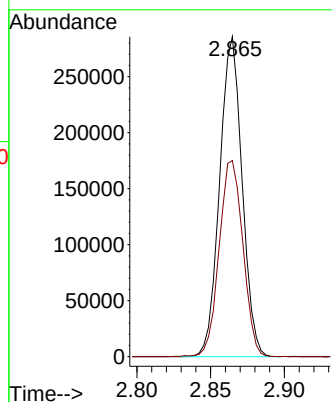
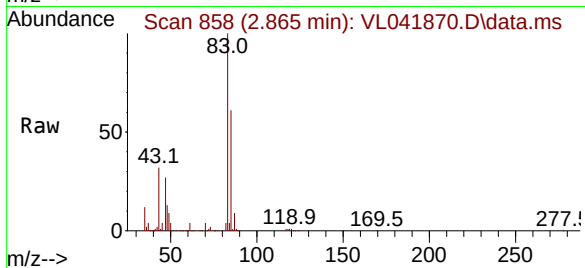




#29
Chloroform
Concen: 10.231 ppbv
RT: 2.865 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

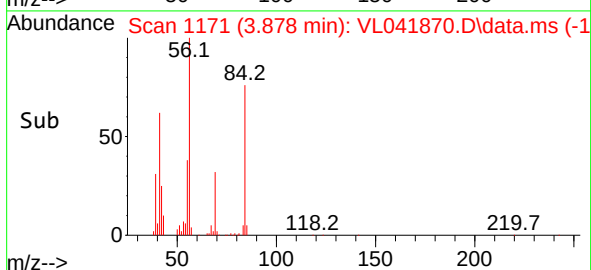
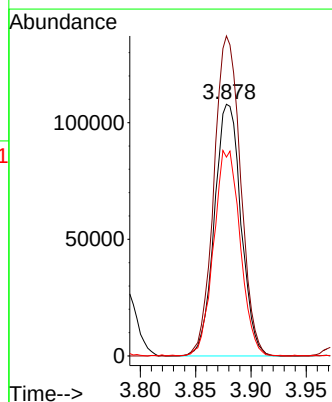
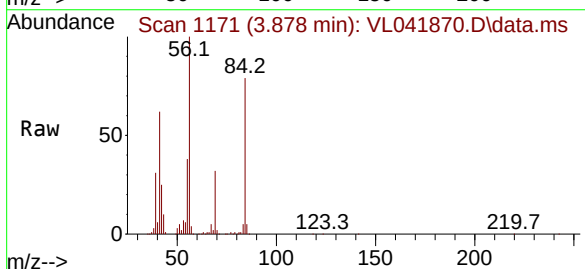
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

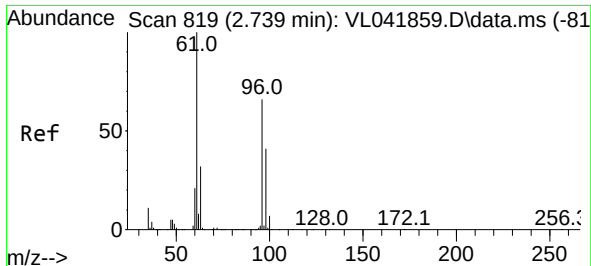
Tgt Ion: 83 Resp: 302447
Ion Ratio Lower Upper
83 100
85 61.3 51.7 77.5



#30
Cyclohexane
Concen: 9.941 ppbv
RT: 3.878 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 84 Resp: 180360
Ion Ratio Lower Upper
84 100
56 127.1 100.7 151.1
41 81.4 62.8 94.2

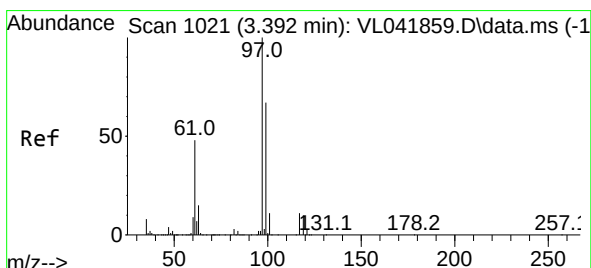
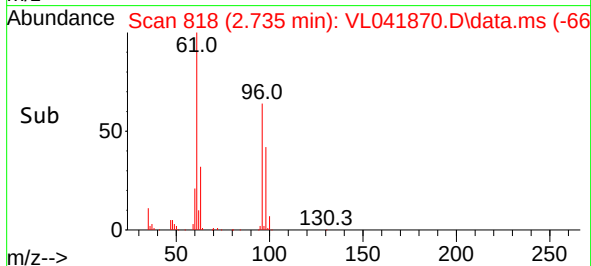
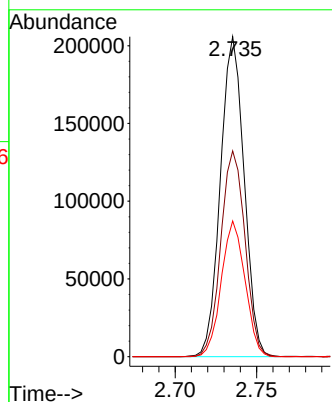
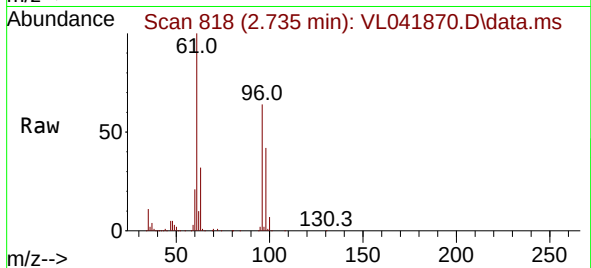




#31
 cis-1,2-Dichloroethene
 Concen: 10.094 ppbv
 RT: 2.735 min Scan# 819
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

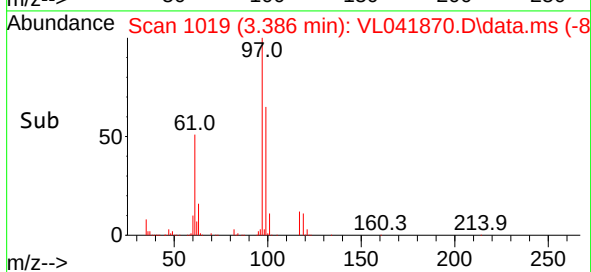
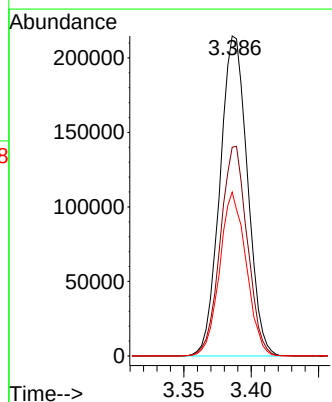
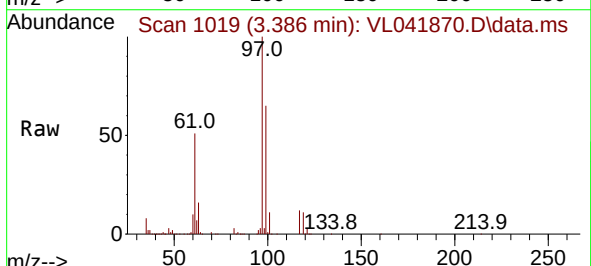
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

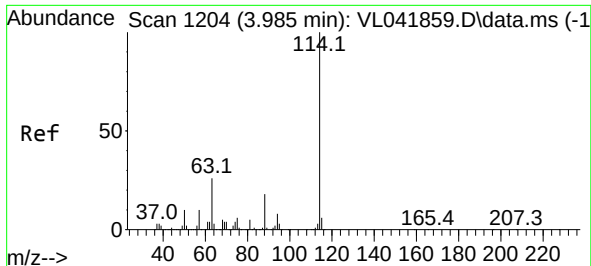
Tgt Ion: 61 Resp: 208408
 Ion Ratio Lower Upper
 61 100
 96 64.3 53.2 79.8
 98 42.4 32.5 48.7



#32
 1,1,1-Trichloroethane
 Concen: 10.396 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. -0.006 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 97 Resp: 305295
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.0 78.0
 61 49.2 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

VL0109ABS01

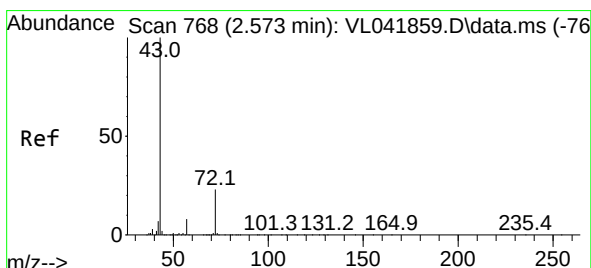
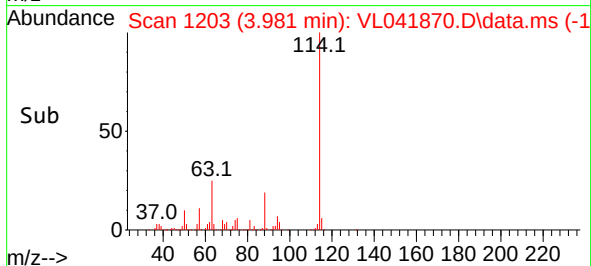
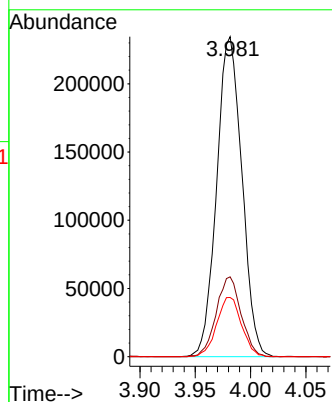
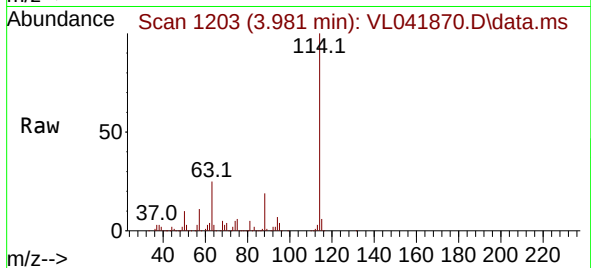
Tgt Ion:114 Resp: 372014

Ion Ratio Lower Upper

114 100

63 24.6 20.3 30.5

88 18.2 14.6 21.8



#34

2-Butanone

Concen: 9.747 ppbv

RT: 2.570 min Scan# 767

Delta R.T. -0.003 min

Lab File: VL041870.D

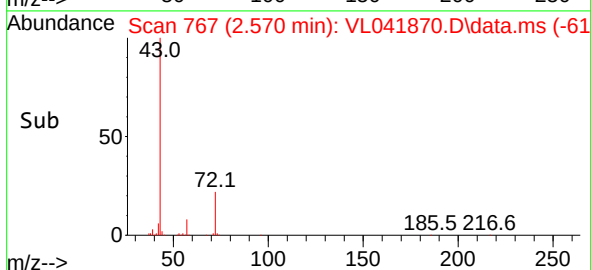
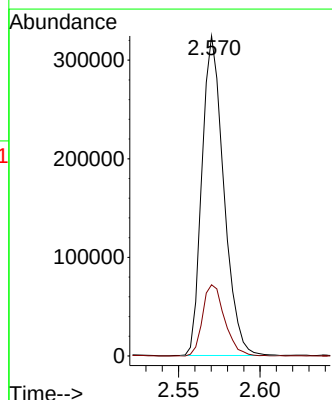
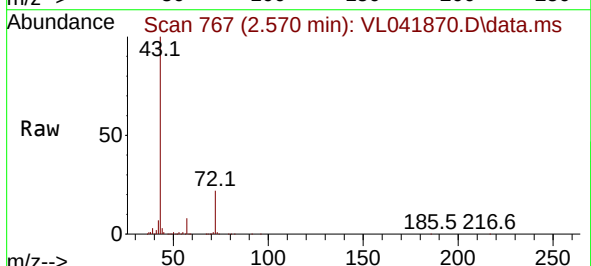
Acq: 09 Jan 2025 17:32

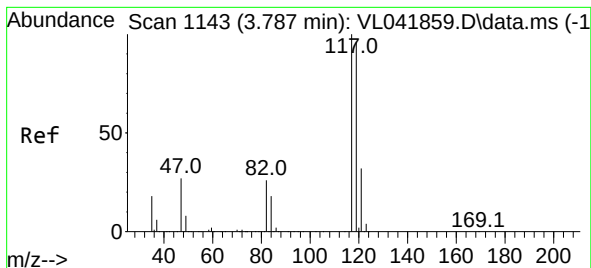
Tgt Ion: 43 Resp: 301434

Ion Ratio Lower Upper

43 100

72 22.6 18.5 27.7





#35

Carbon Tetrachloride

Concen: 10.385 ppbv

RT: 3.784 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

VL0109ABS01

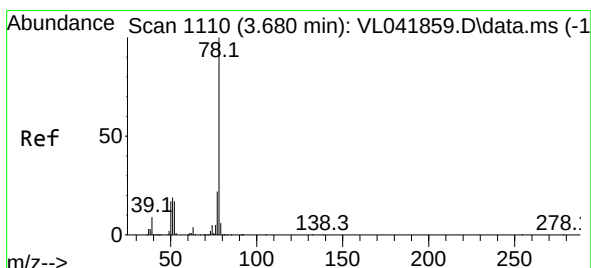
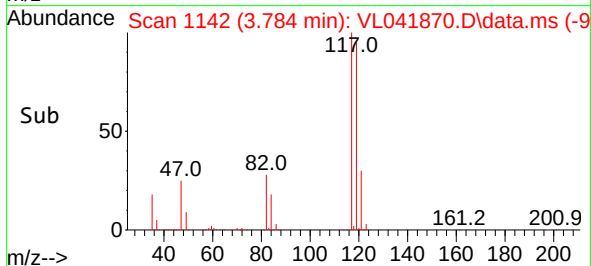
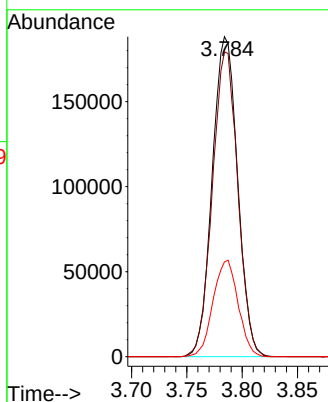
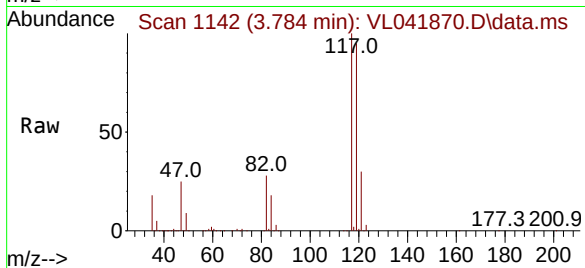
Tgt Ion:117 Resp: 300238

Ion Ratio Lower Upper

117 100

119 95.2 76.9 115.3

121 29.6 25.9 38.9



#36

Benzene

Concen: 10.046 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

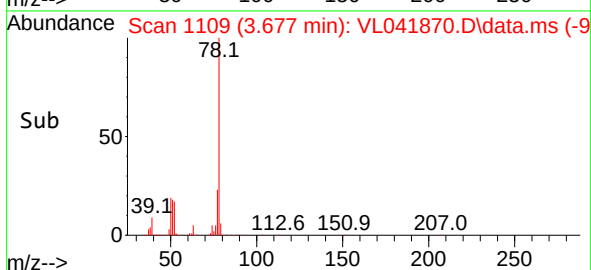
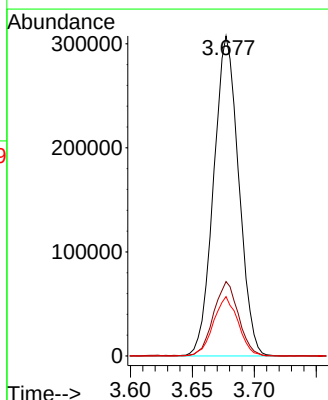
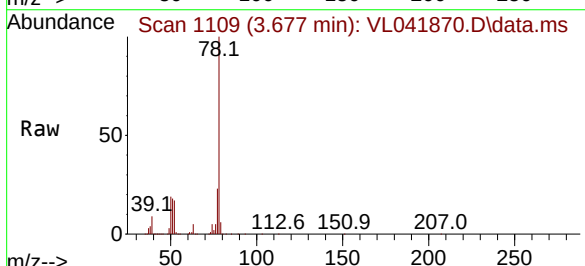
Tgt Ion: 78 Resp: 433563

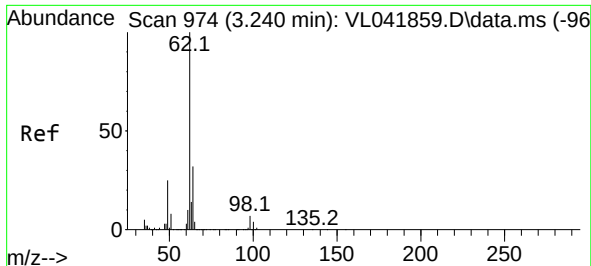
Ion Ratio Lower Upper

78 100

77 23.2 17.9 26.9

50 18.5 13.7 20.5





#37

1,2-Dichloroethane

Concen: 10.302 ppbv

RT: 3.237 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

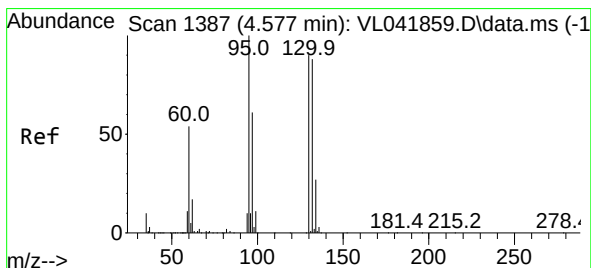
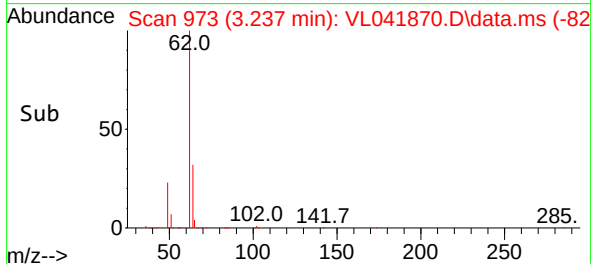
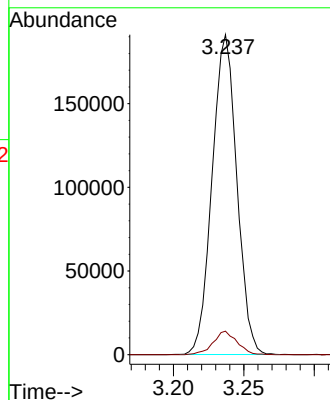
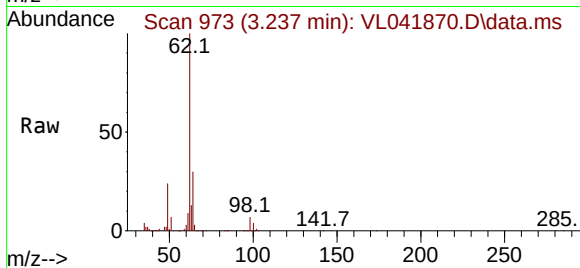
VL0109ABS01

Tgt Ion: 62 Resp: 233267

Ion Ratio Lower Upper

62 100

98 7.1 5.6 8.4



#38

Trichloroethene

Concen: 6.189 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Tgt Ion:130 Resp: 105456

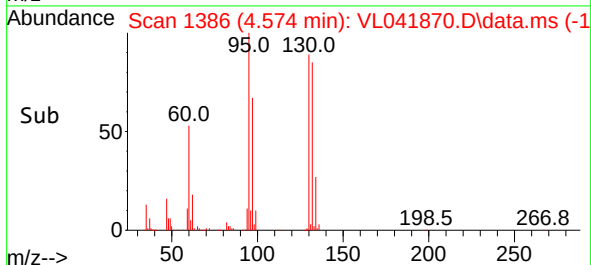
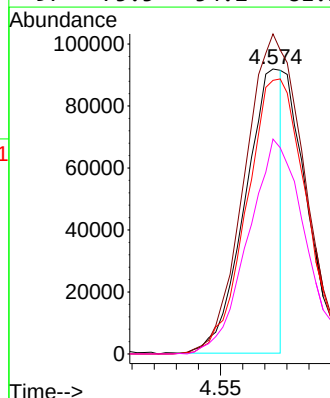
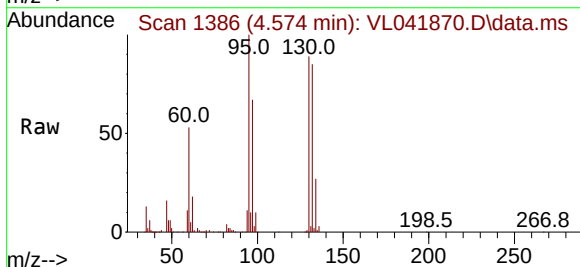
Ion Ratio Lower Upper

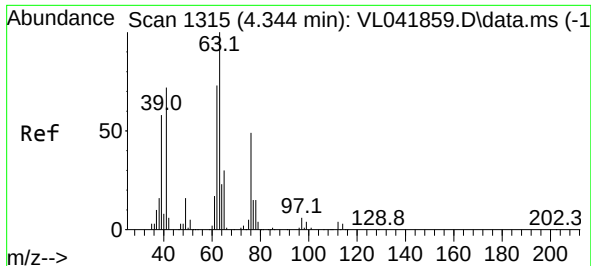
130 100

95 112.4 88.5 132.7

132 96.0 78.2 117.2

97 75.5 54.2 81.2





#39

1,2-Dichloropropane

Concen: 9.943 ppbv

RT: 4.337 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_1

ClientSampleId :

VL0109ABS01

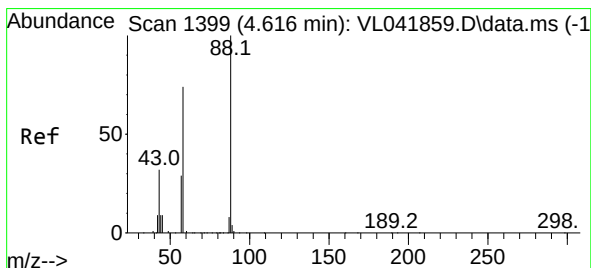
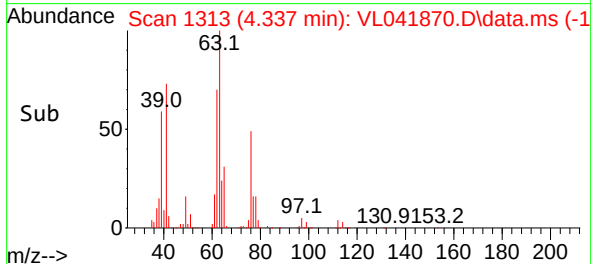
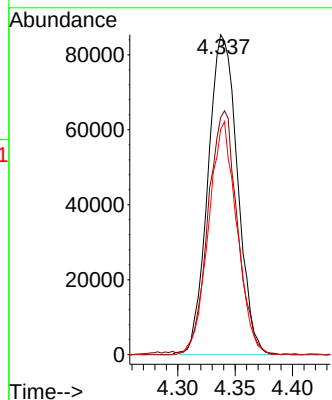
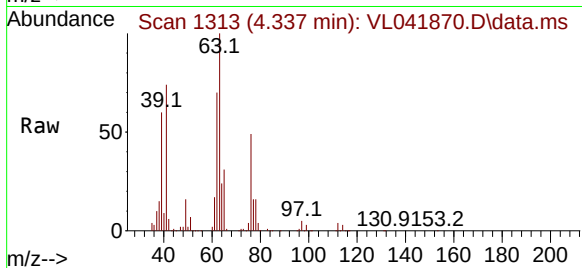
Tgt Ion: 63 Resp: 152646

Ion Ratio Lower Upper

63 100

41 74.1 58.0 87.0

62 70.5 58.6 87.8



#40

1,4-Dioxane

Concen: 8.979 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Tgt Ion: 88 Resp: 69319

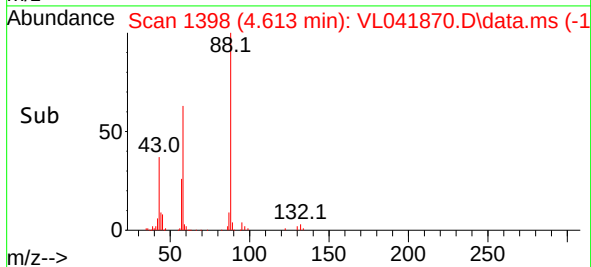
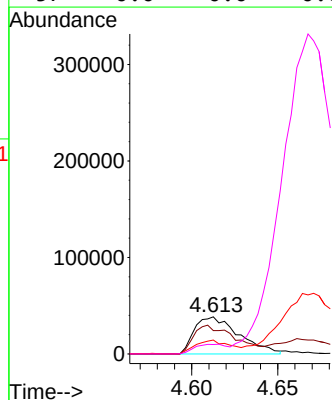
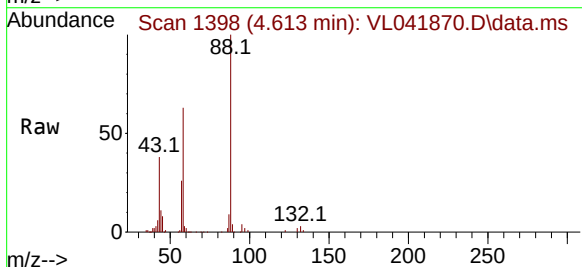
Ion Ratio Lower Upper

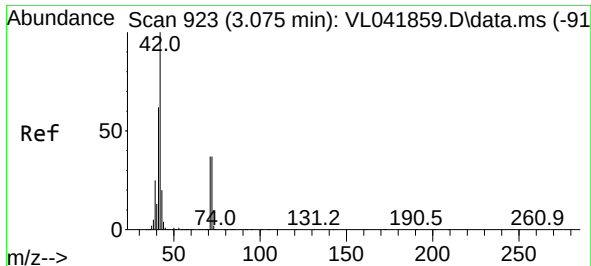
88 100

58 76.0 52.2 78.4

43 0.0 0.0 0.0

57 0.0 0.0 0.0

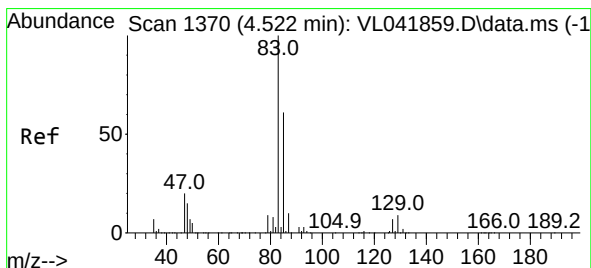
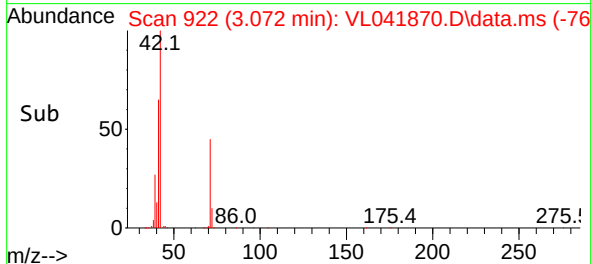
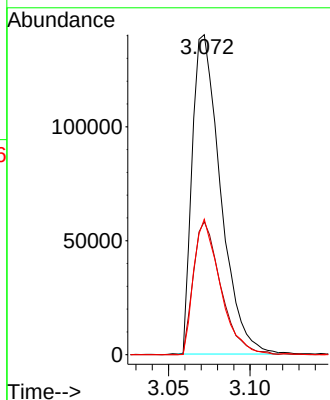
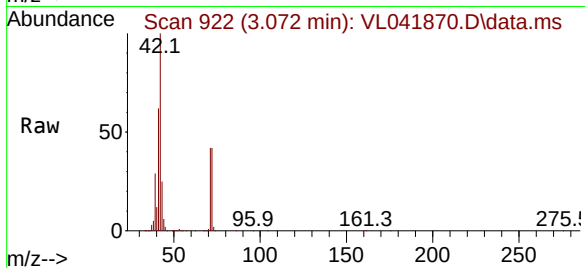




#41
Tetrahydrofuran
Concen: 9.340 ppbv
RT: 3.072 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

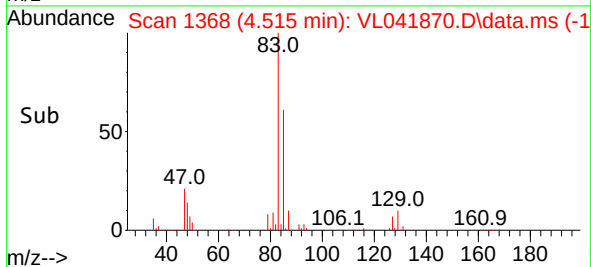
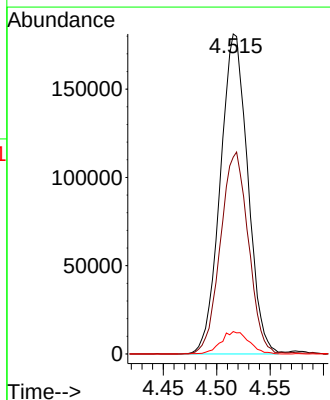
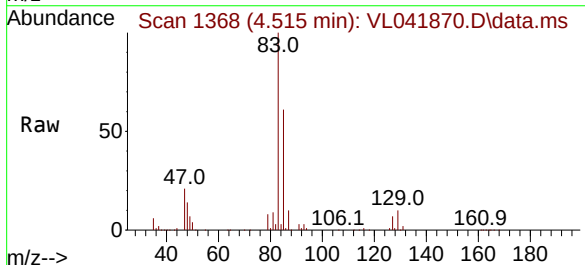
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

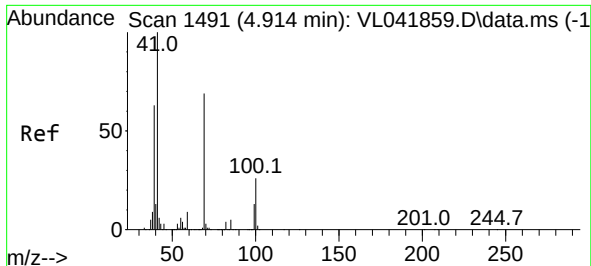
Tgt Ion: 42 Resp: 169639
Ion Ratio Lower Upper
42 100
72 40.5 30.8 46.2
71 39.8 30.1 45.1



#42
Bromodichloromethane
Concen: 10.429 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 83 Resp: 324422
Ion Ratio Lower Upper
83 100
85 61.5 48.9 73.3
127 7.0 5.4 8.2

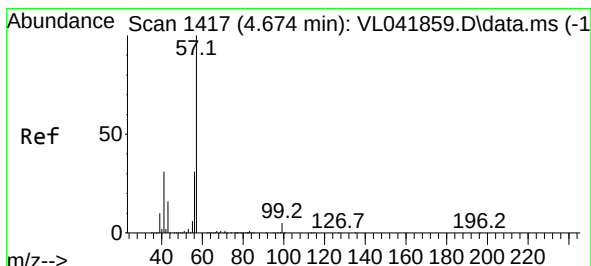
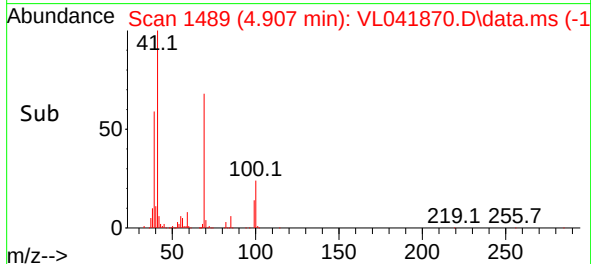
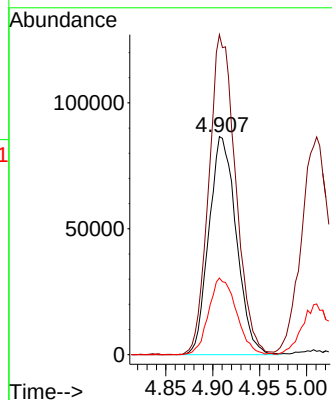
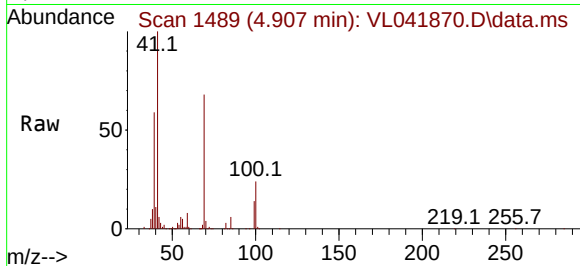




#43
Methyl Methacrylate
Concen: 9.930 ppbv
RT: 4.907 min Scan# 1415
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

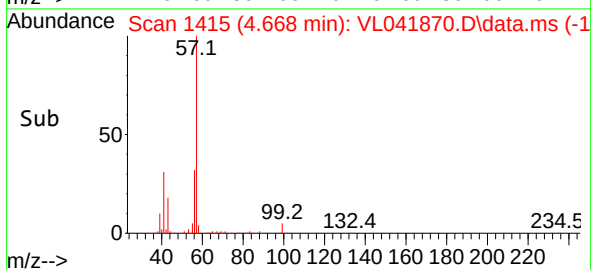
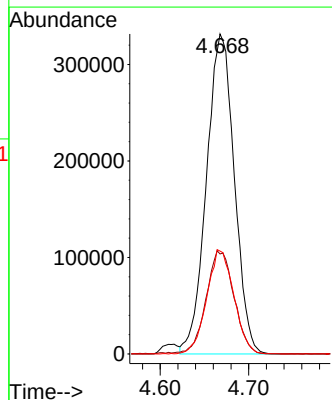
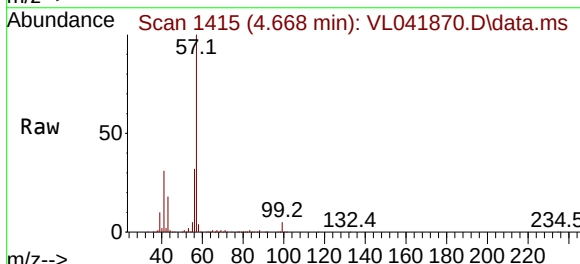
Instrument :
MSVOA_1
ClientSampleId :
VL0109ABS01

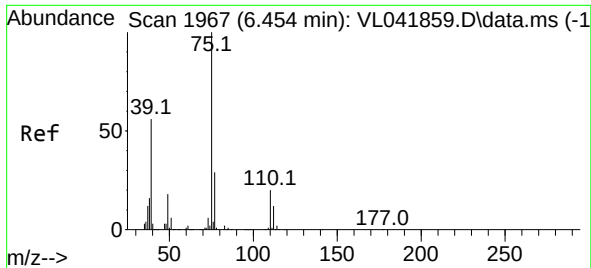
Tgt Ion: 69 Resp: 175507
Ion Ratio Lower Upper
69 100
41 144.1 116.2 174.4
100 35.6 29.8 44.8



#44
2,2,4-Trimethylpentane
Concen: 9.954 ppbv
RT: 4.668 min Scan# 1415
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 57 Resp: 725640
Ion Ratio Lower Upper
57 100
41 32.6 25.5 38.3
56 31.7 25.6 38.4

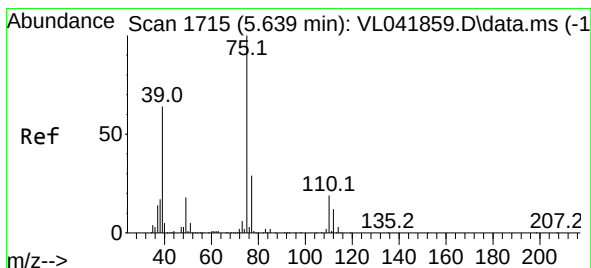
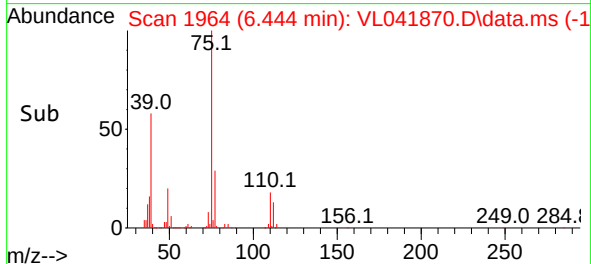
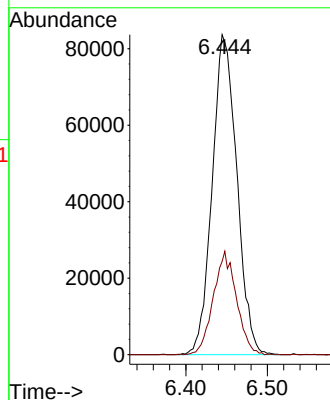
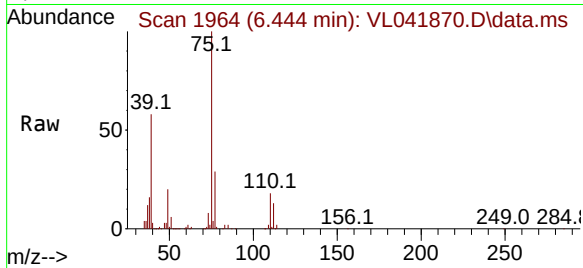




#45
 t-1,3-Dichloropropene
 Concen: 9.722 ppbv
 RT: 6.444 min Scan# 1964
 Delta R.T. -0.010 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

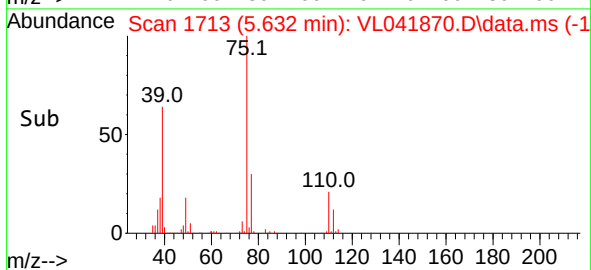
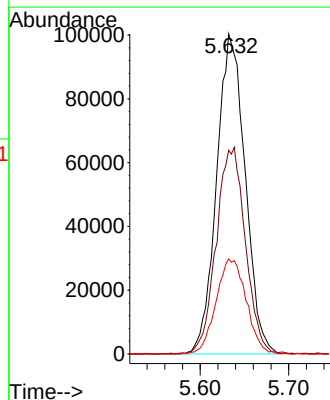
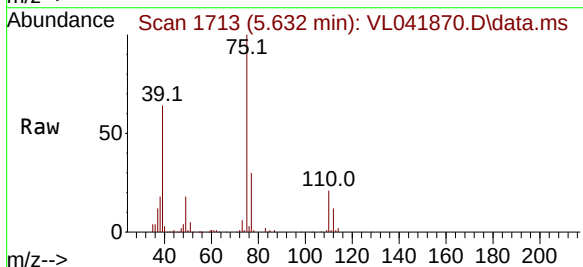
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

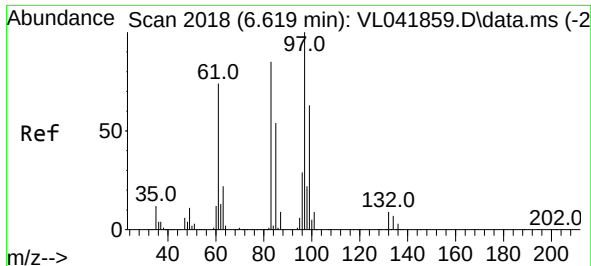
Tgt Ion: 75 Resp: 175855
 Ion Ratio Lower Upper
 75 100
 77 29.2 23.4 35.2



#46
 cis-1,3-Dichloropropene
 Concen: 9.688 ppbv
 RT: 5.632 min Scan# 1713
 Delta R.T. -0.006 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 75 Resp: 224860
 Ion Ratio Lower Upper
 75 100
 39 63.4 51.4 77.2
 77 29.7 23.0 34.4





#47

1,1,2-Trichloroethane

Concen: 10.013 ppbv

RT: 6.616 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

VL0109ABS01

Tgt Ion: 97 Resp: 161735

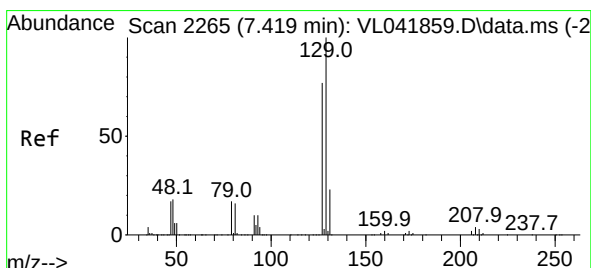
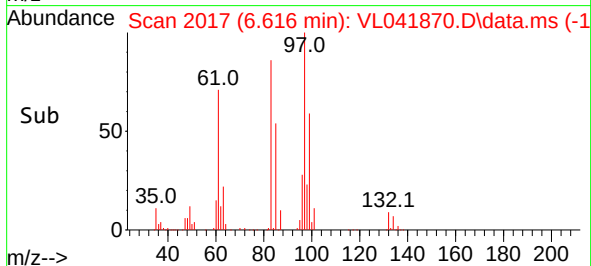
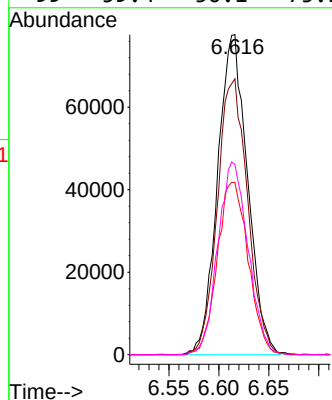
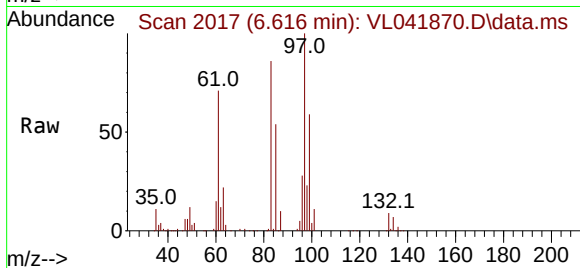
Ion Ratio Lower Upper

97 100

83 86.1 68.1 102.1

85 53.9 43.4 65.2

99 59.4 50.1 75.1



#48

Dibromochloromethane

Concen: 10.656 ppbv

RT: 7.412 min Scan# 2263

Delta R.T. -0.006 min

Lab File: VL041870.D

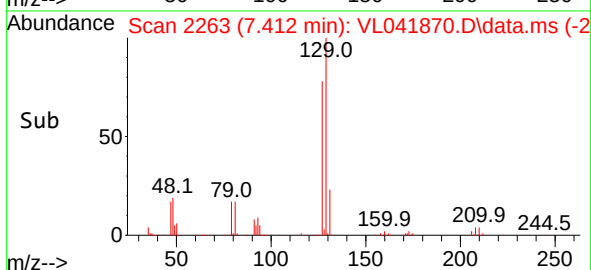
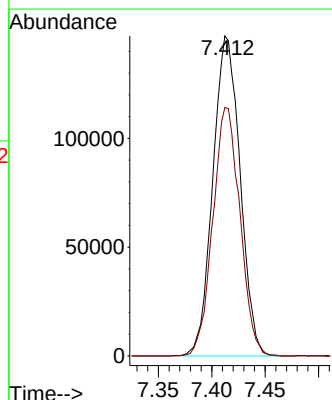
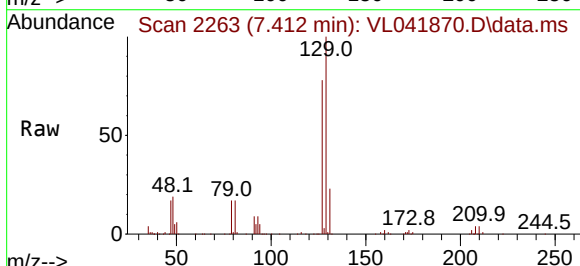
Acq: 09 Jan 2025 17:32

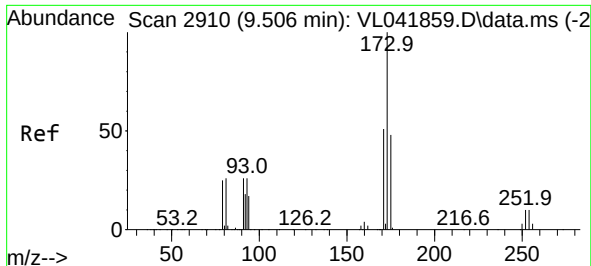
Tgt Ion: 129 Resp: 261021

Ion Ratio Lower Upper

129 100

127 77.2 39.4 118.1

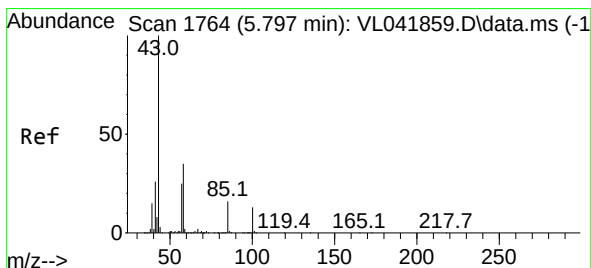
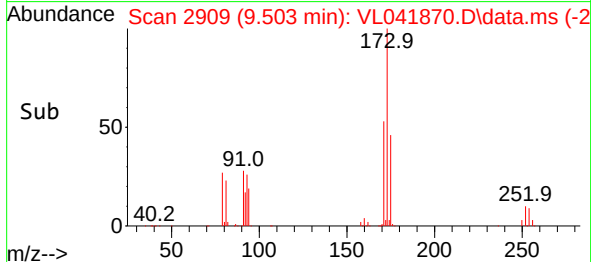
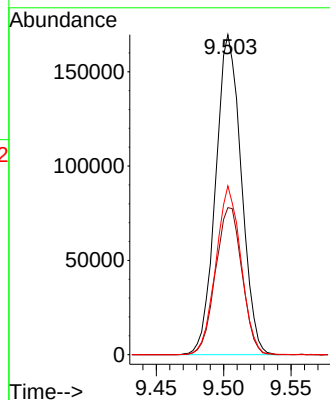
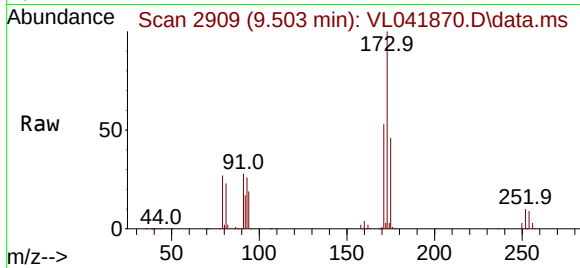




#49
Bromoform
Concen: 10.502 ppbv
RT: 9.503 min Scan# 2910
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

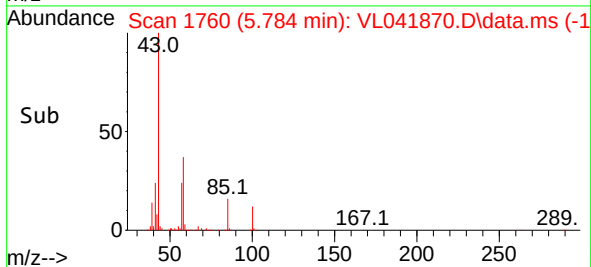
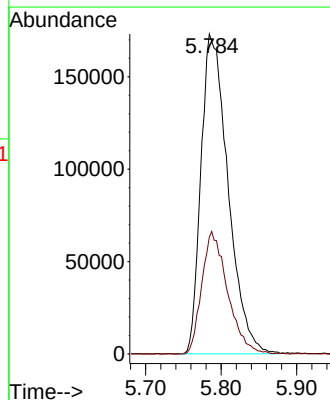
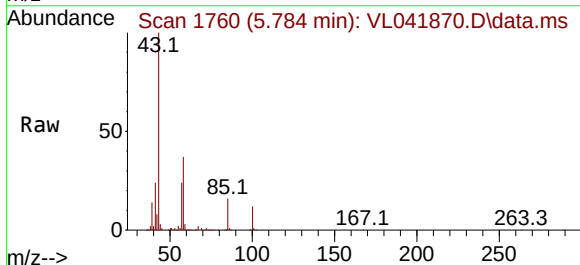
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

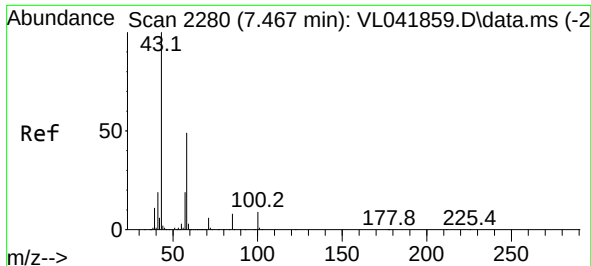
Tgt Ion:173 Resp: 224507
Ion Ratio Lower Upper
173 100
175 47.5 38.2 57.2
171 51.6 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 9.735 ppbv
RT: 5.784 min Scan# 1760
Delta R.T. -0.013 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 43 Resp: 429608
Ion Ratio Lower Upper
43 100
58 36.6 29.4 44.2

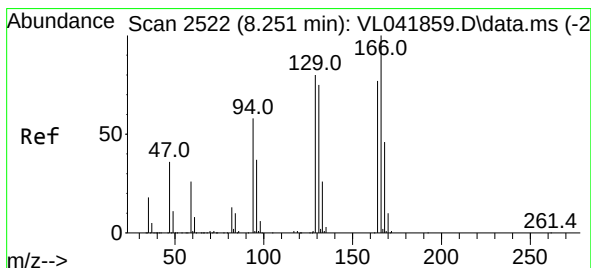
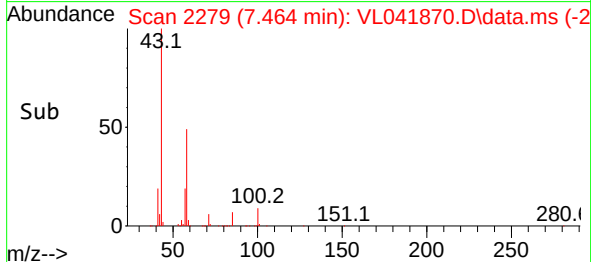
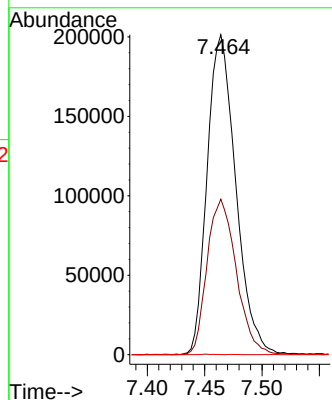
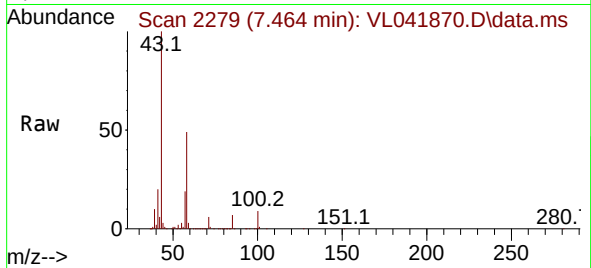




#51
2-Hexanone
Concen: 9.606 ppbv
RT: 7.464 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

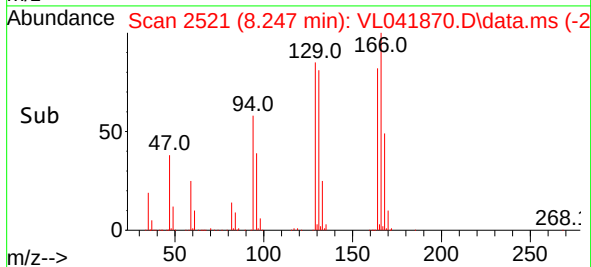
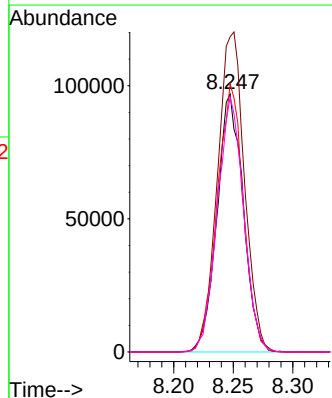
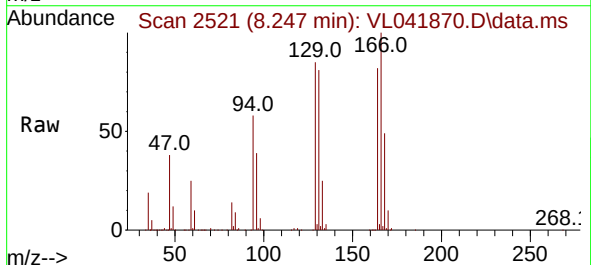
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

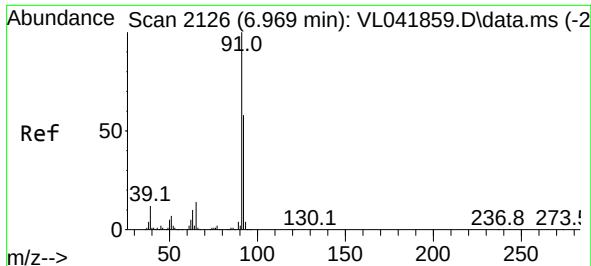
Tgt Ion: 43 Resp: 348688
Ion Ratio Lower Upper
43 100
58 50.0 40.0 60.0
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.949 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 164 Resp: 147986
Ion Ratio Lower Upper
164 100
166 122.3 103.6 155.4
129 103.9 82.6 123.8
131 99.0 78.2 117.4

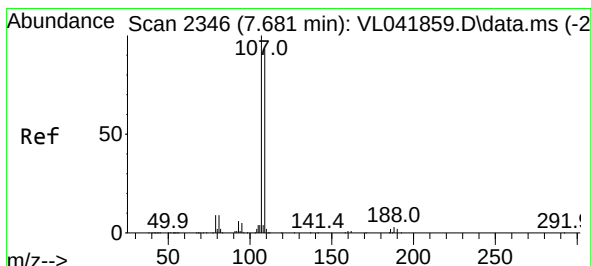
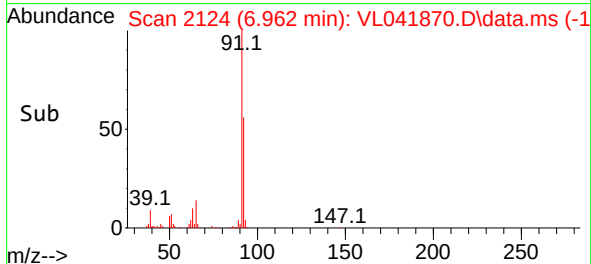
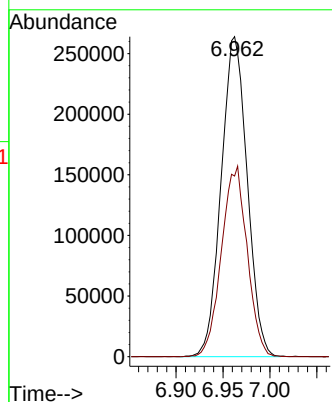
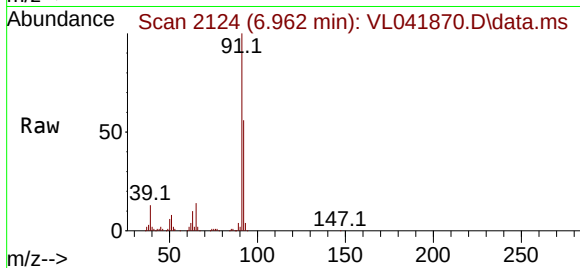




#53
Toluene
Concen: 9.913 ppbv
RT: 6.962 min Scan# 2126
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

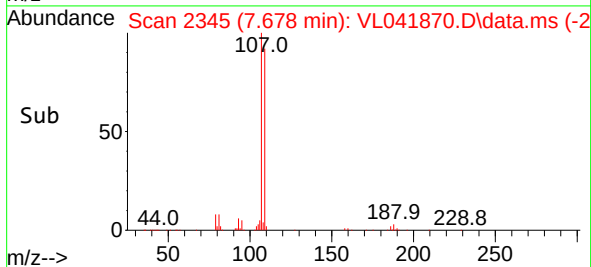
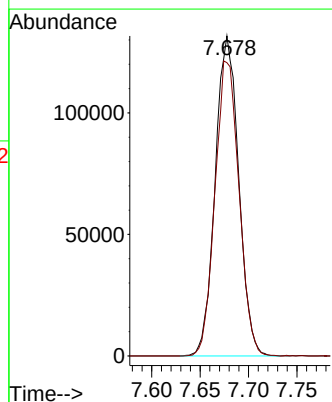
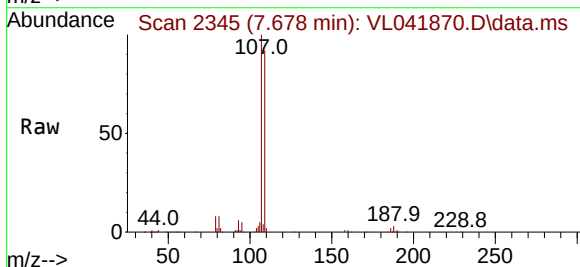
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

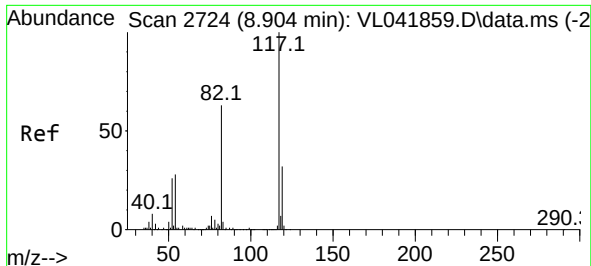
Tgt Ion: 91 Resp: 508818
Ion Ratio Lower Upper
91 100
92 58.9 47.2 70.8



#54
1,2-Dibromoethane
Concen: 10.109 ppbv
RT: 7.678 min Scan# 2345
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 107 Resp: 222055
Ion Ratio Lower Upper
107 100
109 91.6 74.6 112.0

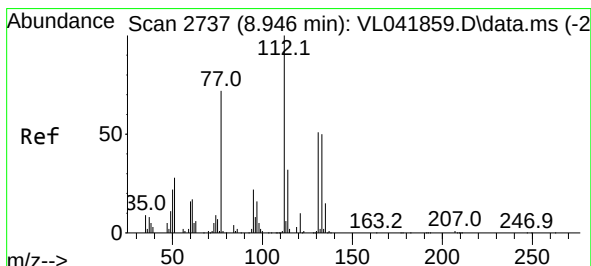
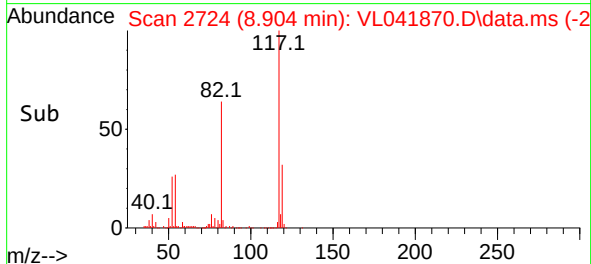
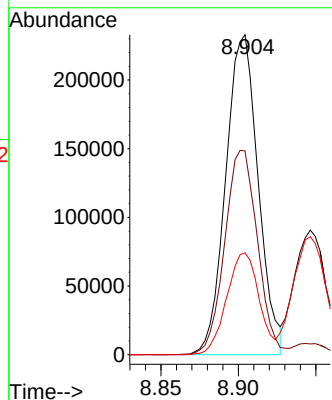
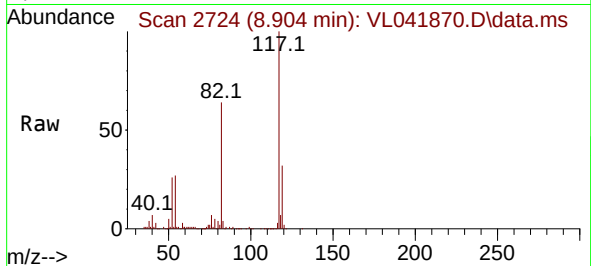




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

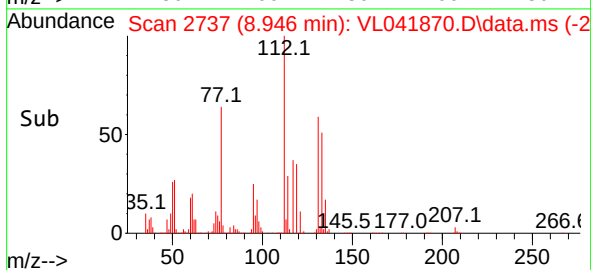
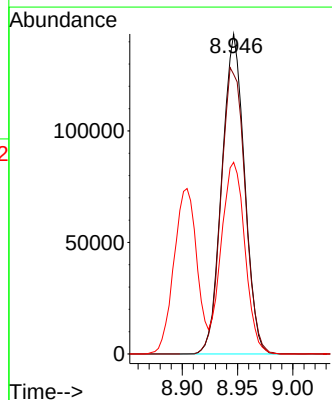
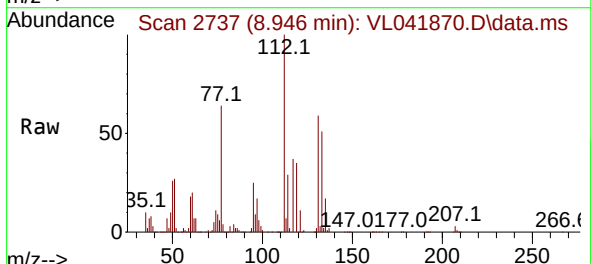
Instrument :
MSVOA_1
ClientSampleId :
VL0109ABS01

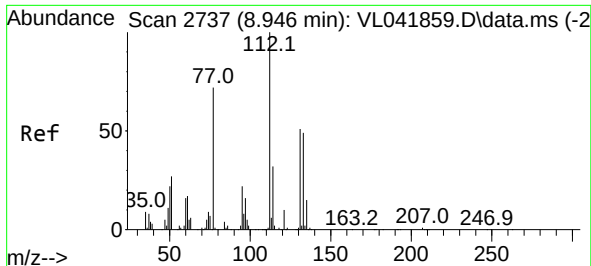
Tgt Ion:117 Resp: 340087
Ion Ratio Lower Upper
117 100
82 68.0 54.5 81.7
119 31.2 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 10.083 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion:131 Resp: 204382
Ion Ratio Lower Upper
131 100
133 95.0 77.4 116.2
119 62.5 49.4 74.0

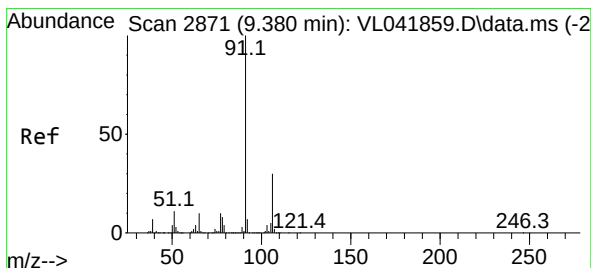
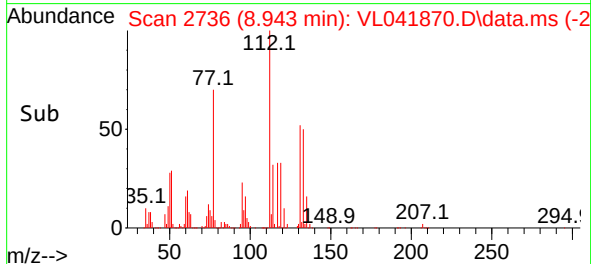
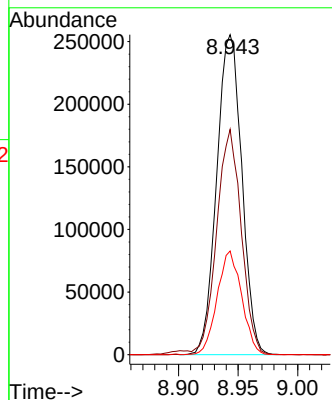
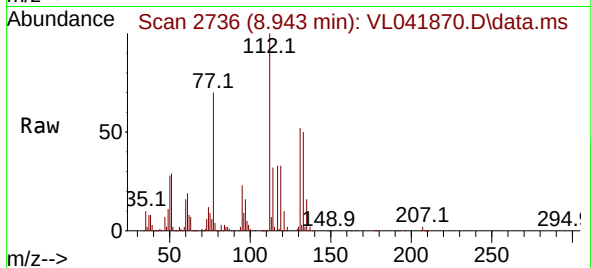




#57
Chlorobenzene
Concen: 9.875 ppbv
RT: 8.943 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

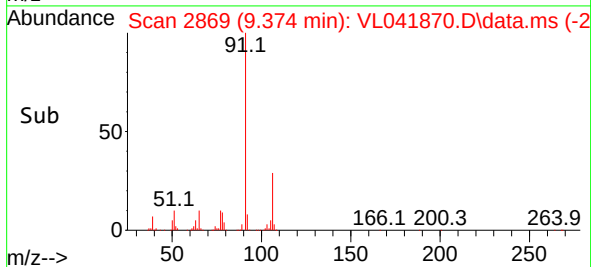
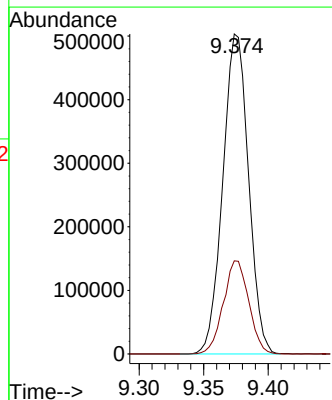
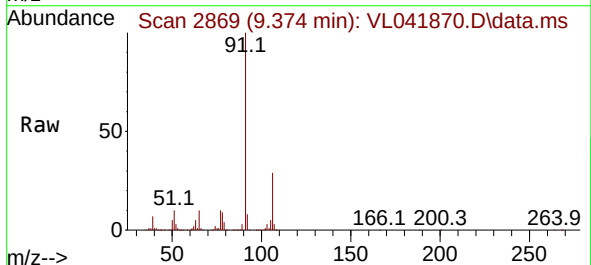
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

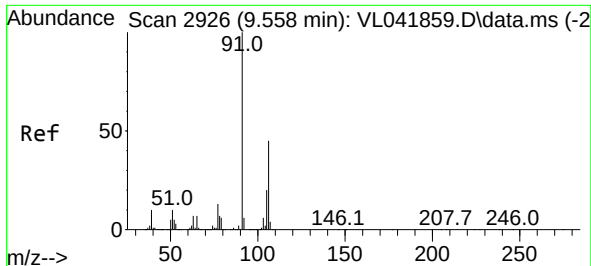
Tgt Ion:112 Resp: 374449
Ion Ratio Lower Upper
112 100
77 70.4 58.3 87.5
114 32.4 28.9 35.3



#58
Ethyl Benzene
Concen: 9.977 ppbv
RT: 9.374 min Scan# 2869
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 91 Resp: 697634
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.2

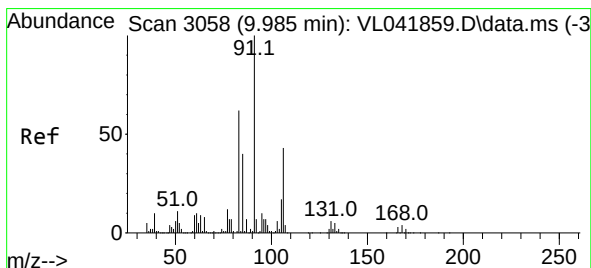
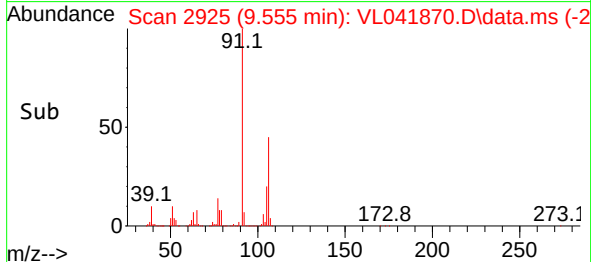
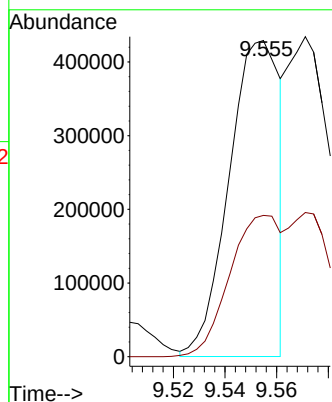
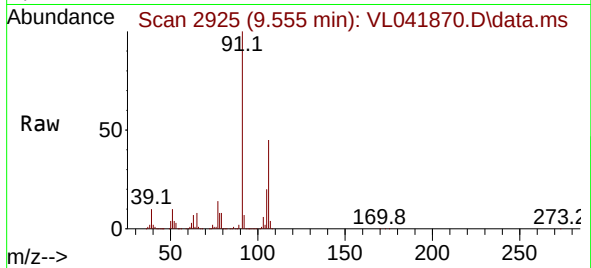




#59
m/p-Xylene
Concen: 10.534 ppbv
RT: 9.555 min Scan# 2925
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

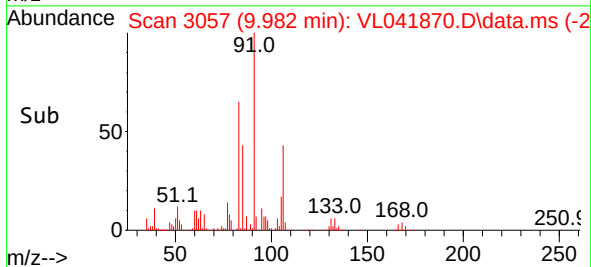
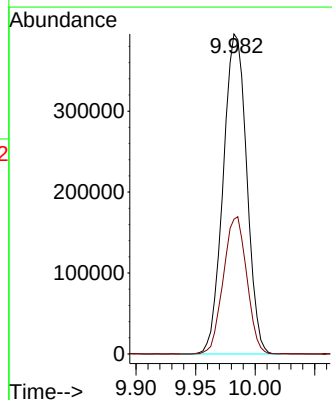
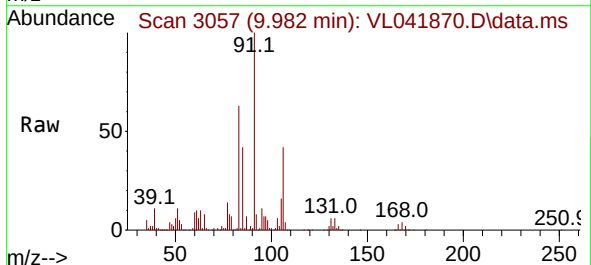
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

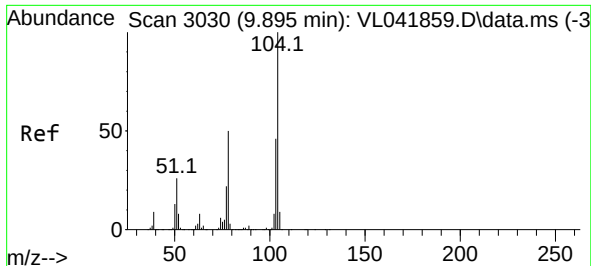
Tgt Ion: 91 Resp: 582104
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 9.850 ppbv
RT: 9.982 min Scan# 3057
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 91 Resp: 542913
Ion Ratio Lower Upper
91 100
106 42.6 21.4 64.3

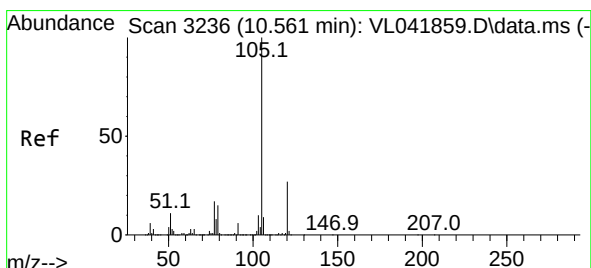
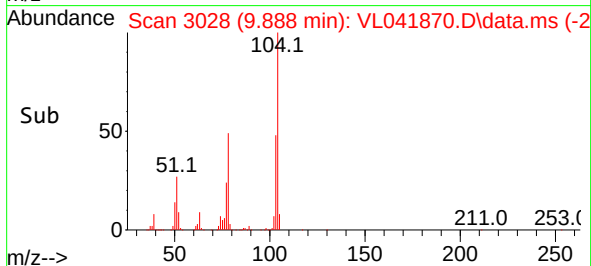
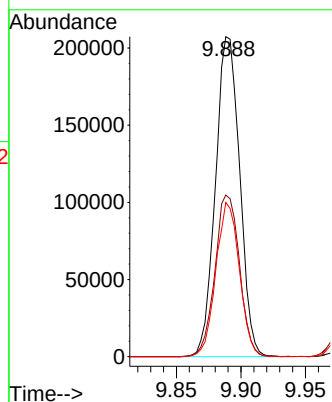
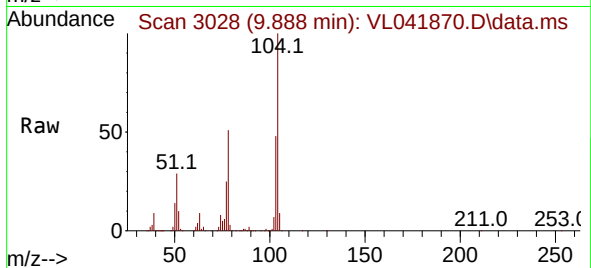




#61
Styrene
Concen: 9.826 ppbv
RT: 9.888 min Scan# 3030
Delta R.T. -0.006 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

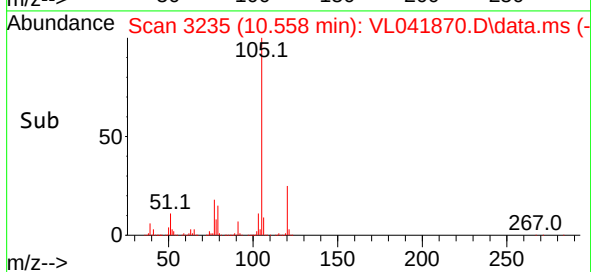
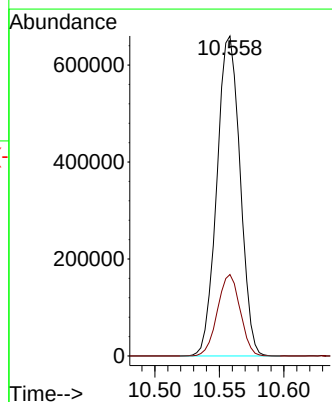
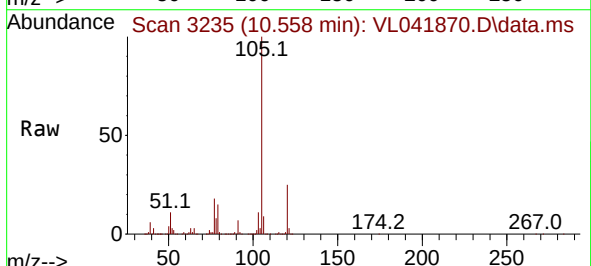
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

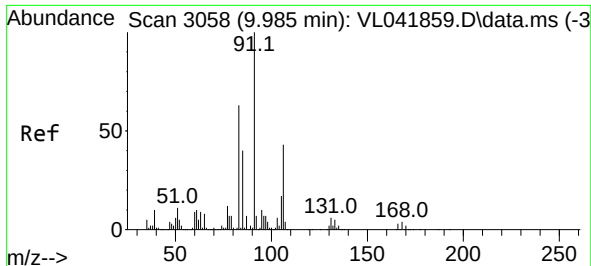
Tgt Ion:104 Resp: 270452
Ion Ratio Lower Upper
104 100
78 51.2 40.7 61.1
103 46.8 37.0 55.6



#62
Isopropylbenzene
Concen: 9.926 ppbv
RT: 10.558 min Scan# 3235
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion:105 Resp: 823744
Ion Ratio Lower Upper
105 100
120 24.8 20.3 30.5

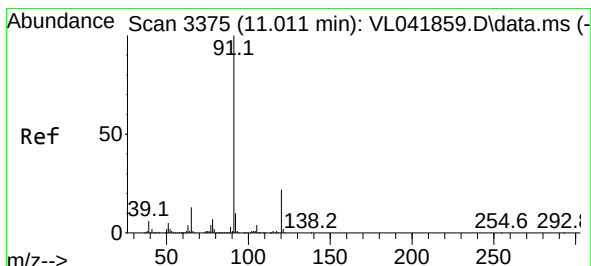
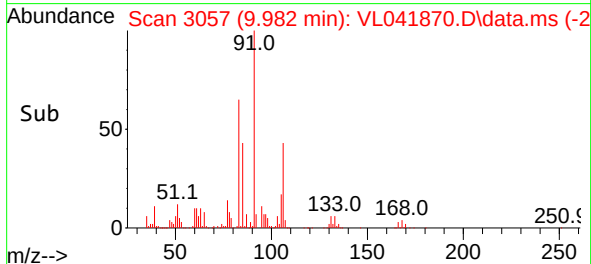
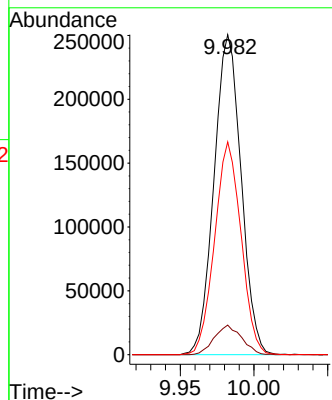
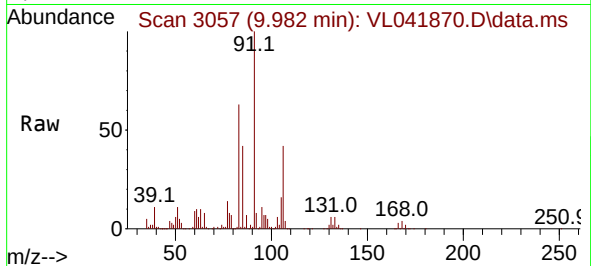




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.668 ppbv
 RT: 9.982 min Scan# 3057
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

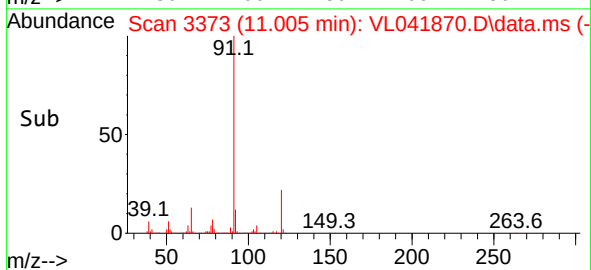
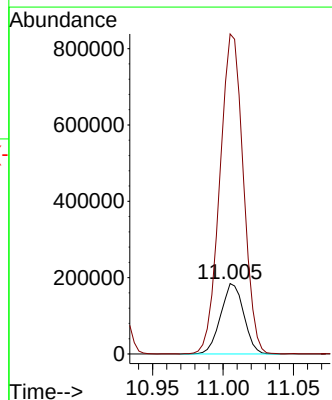
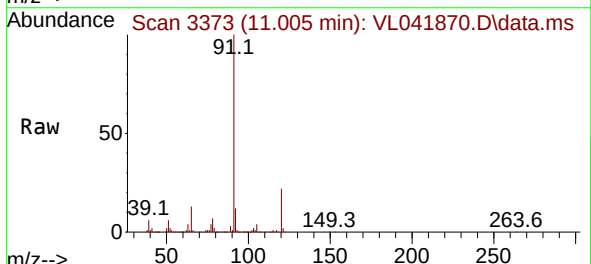
Instrument : MSVOA_1
 ClientSampleId : VL0109ABS01

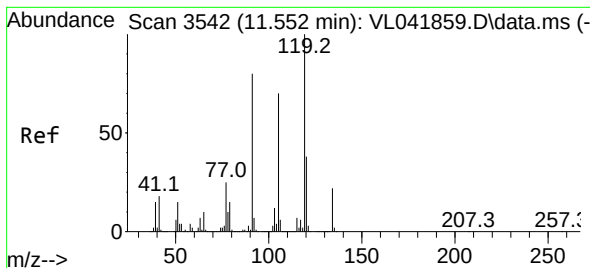
Tgt Ion: 83 Resp: 320068
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.8 14.3
 85 64.8 32.1 96.3



#64
 n-propylbenzene
 Concen: 9.719 ppbv
 RT: 11.005 min Scan# 3373
 Delta R.T. -0.006 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 120 Resp: 210154
 Ion Ratio Lower Upper
 120 100
 91 463.6 376.9 565.3

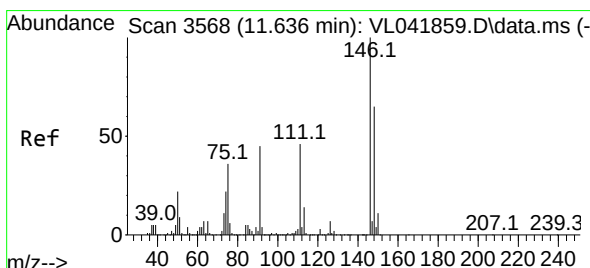
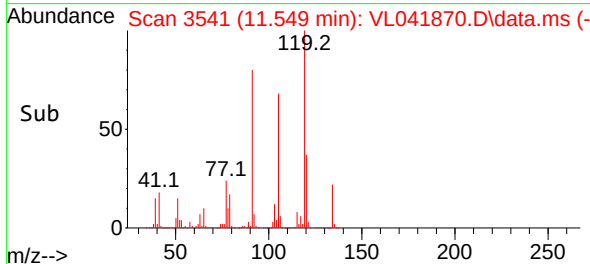
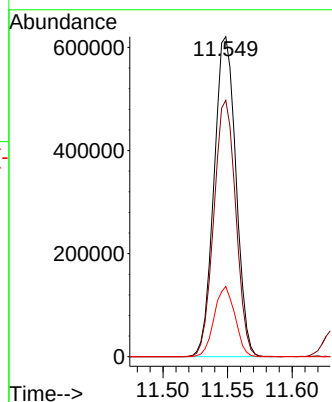
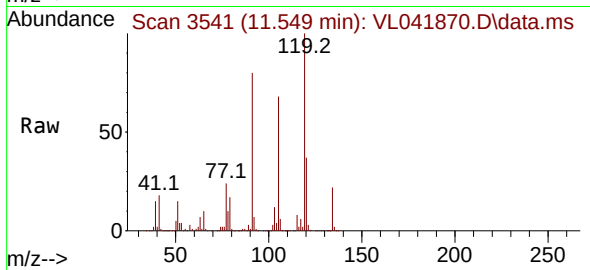




#65
tert-Butylbenzene
Concen: 9.761 ppbv
RT: 11.549 min Scan# 3541
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

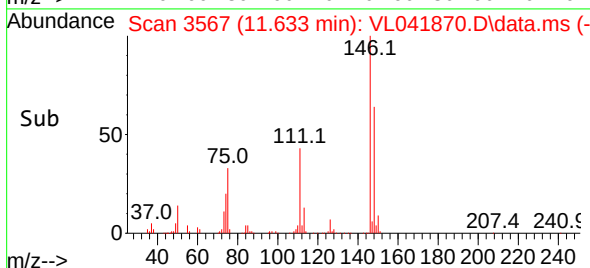
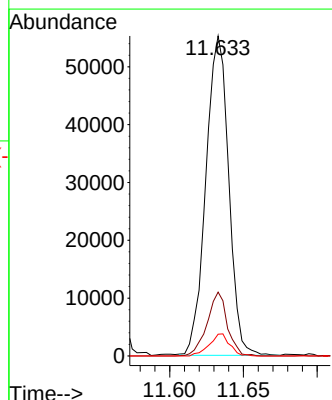
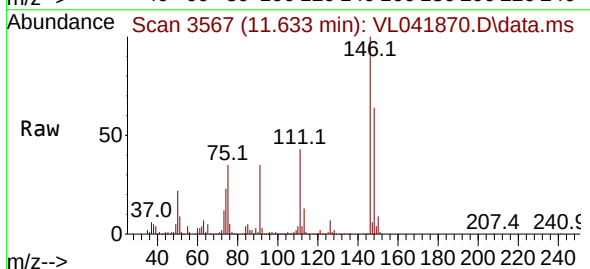
Instrument :
MSVOA_1
ClientSampleId :
VL0109ABS01

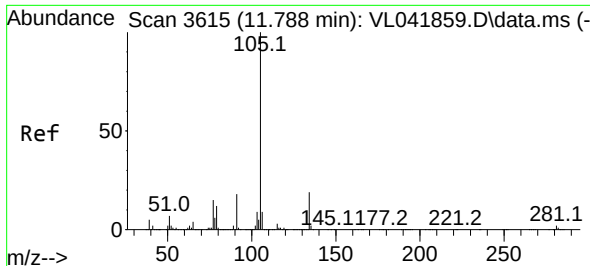
Tgt Ion:119 Resp: 733119
Ion Ratio Lower Upper
119 100
91 80.1 64.6 97.0
134 20.8 16.9 25.3



#66
Benzyl Chloride
Concen: 7.631 ppbv
RT: 11.633 min Scan# 3567
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 91 Resp: 59367
Ion Ratio Lower Upper
91 100
126 17.7 13.9 20.9
128 6.2 4.8 7.2

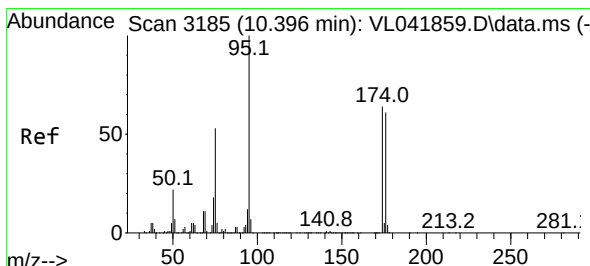
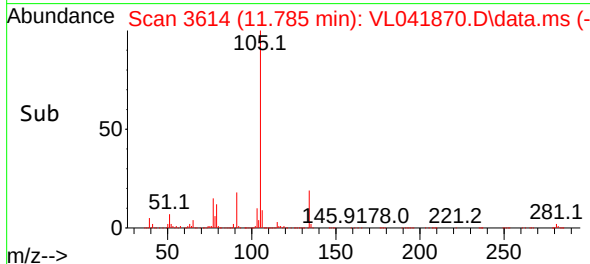
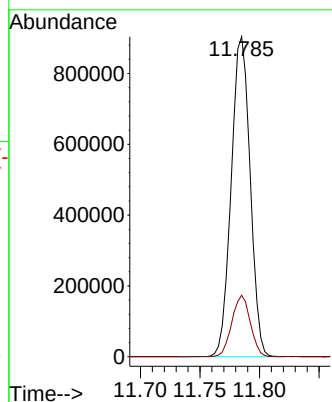
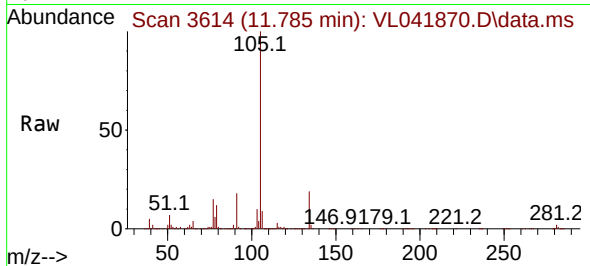




#67
 sec-Butylbenzene
 Concen: 9.642 ppbv
 RT: 11.785 min Scan# 3614
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

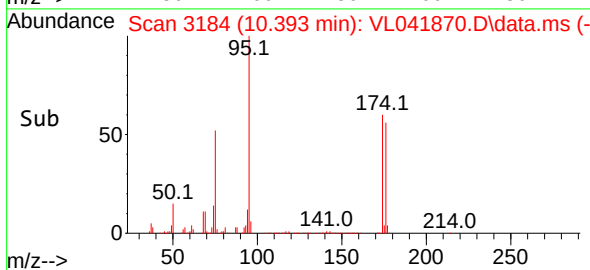
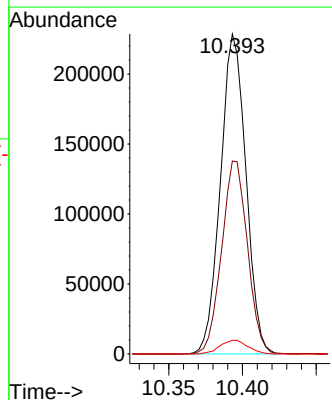
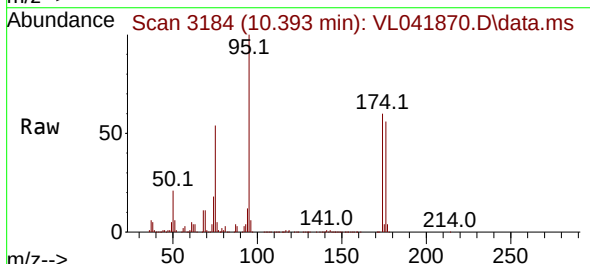
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

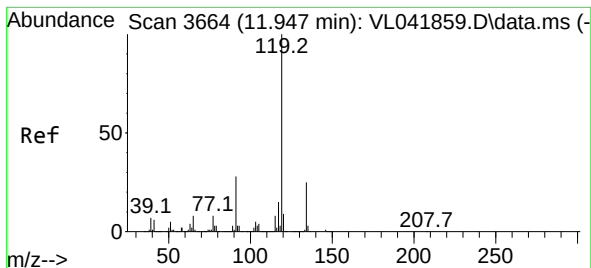
Tgt Ion:105 Resp: 997840
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.069 ppbv
 RT: 10.393 min Scan# 3184
 Delta R.T. -0.003 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Tgt Ion: 95 Resp: 274569
 Ion Ratio Lower Upper
 95 100
 174 61.2 51.1 76.7
 175 4.7 3.8 5.8

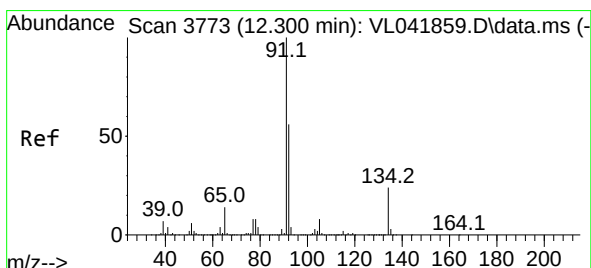
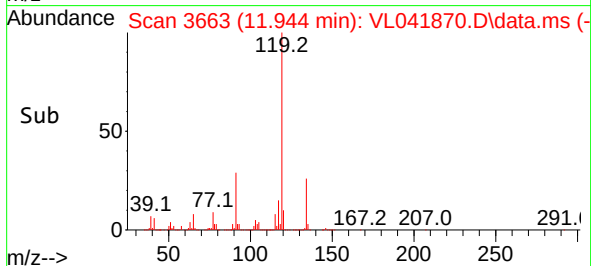
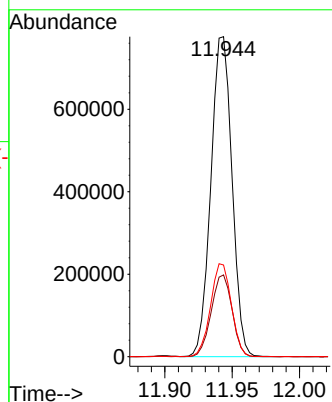
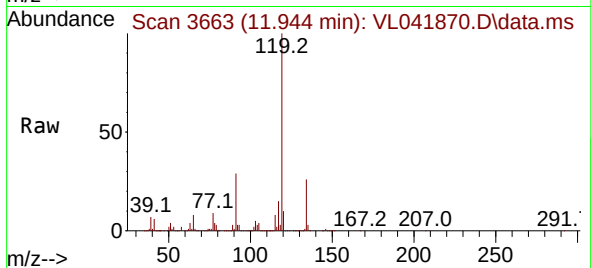




#69
p-Isopropyltoluene
Concen: 9.577 ppbv
RT: 11.944 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

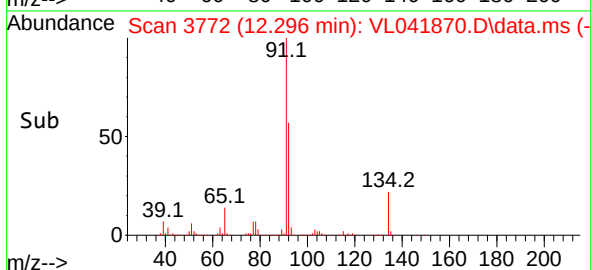
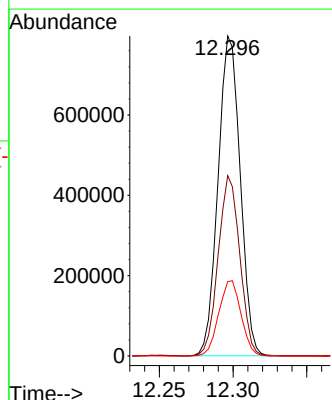
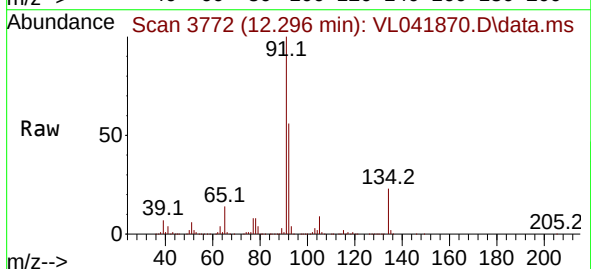
Instrument :
MSVOA_1
ClientSampleId :
VL0109ABS01

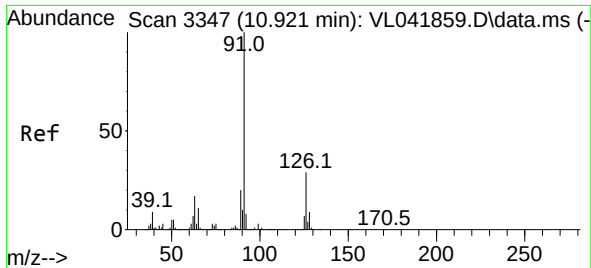
Tgt Ion:119 Resp: 845742
Ion Ratio Lower Upper
119 100
134 25.3 20.3 30.5
91 28.8 22.6 34.0



#70
n-Butylbenzene
Concen: 9.402 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 91 Resp: 833307
Ion Ratio Lower Upper
91 100
92 55.1 43.8 65.8
134 23.6 19.3 28.9

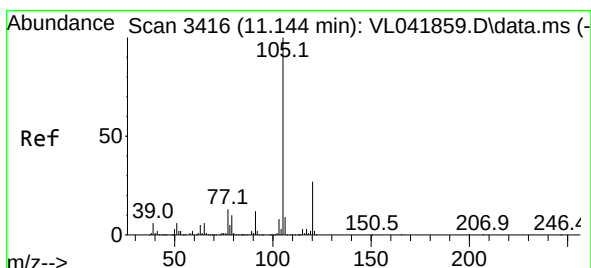
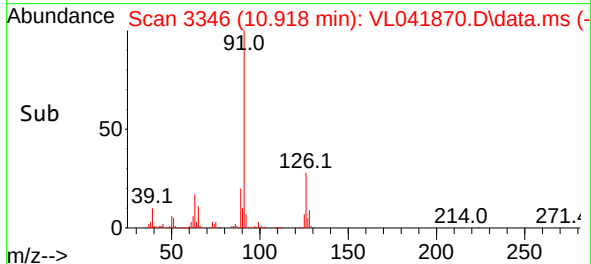
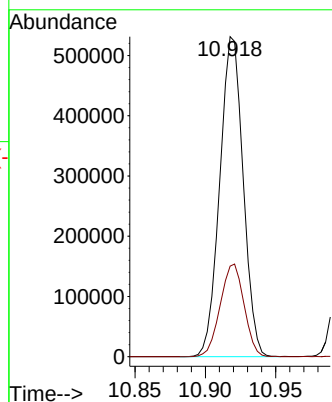
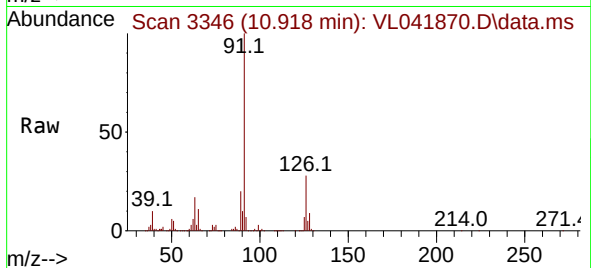




#71
2-Chlorotoluene
Concen: 9.582 ppbv
RT: 10.918 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

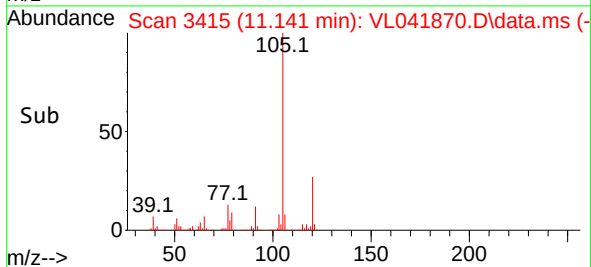
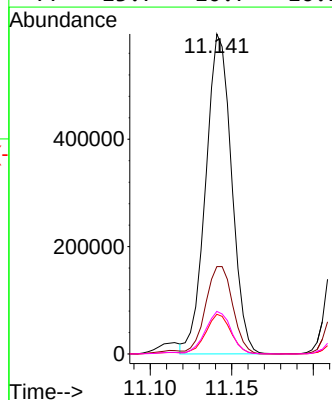
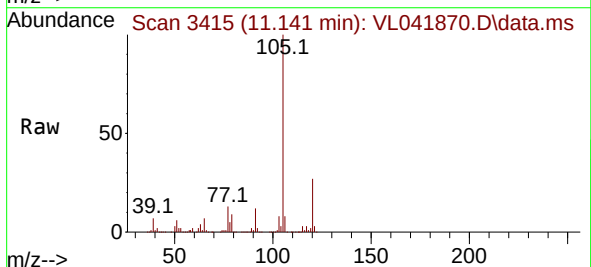
Instrument :
MSVOA_L
ClientSampleId :
VL0109ABS01

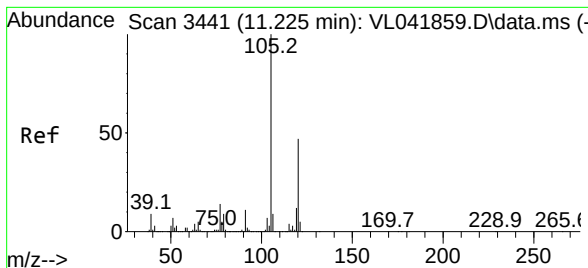
Tgt Ion: 91 Resp: 615640
Ion Ratio Lower Upper
91 100
126 29.4 11.6 46.6



#72
4-Ethyltoluene
Concen: 9.710 ppbv
RT: 11.141 min Scan# 3415
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion: 105 Resp: 656224
Ion Ratio Lower Upper
105 100
120 29.7 23.5 35.3
91 12.6 9.8 14.8
77 13.7 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.807 ppbv

RT: 11.222 min Scan# 3441

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_1

ClientSampleId :

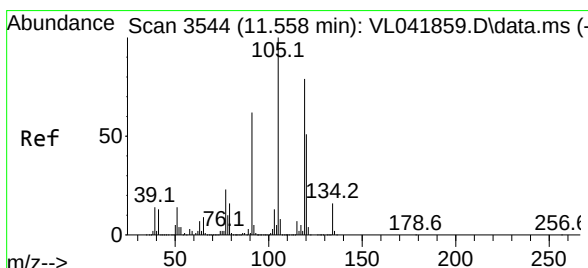
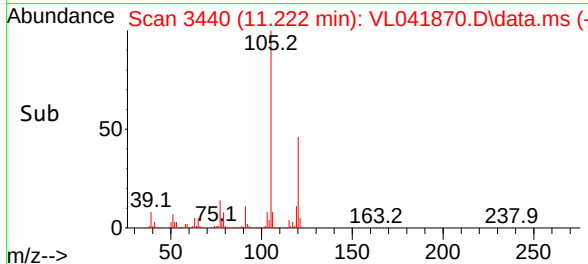
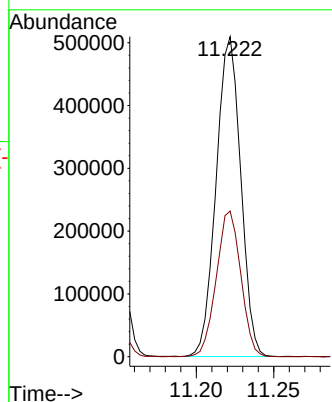
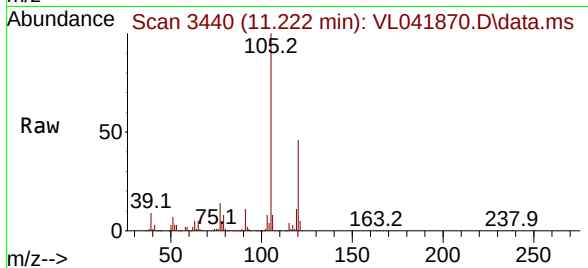
VL0109ABS01

Tgt Ion:105 Resp: 562687

Ion Ratio Lower Upper

105 100

120 45.5 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 9.416 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.006 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Tgt Ion:105 Resp: 586850

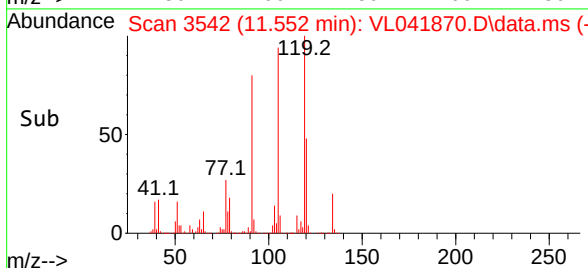
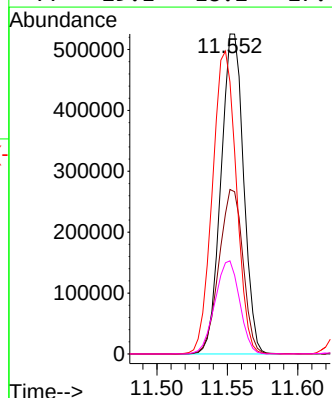
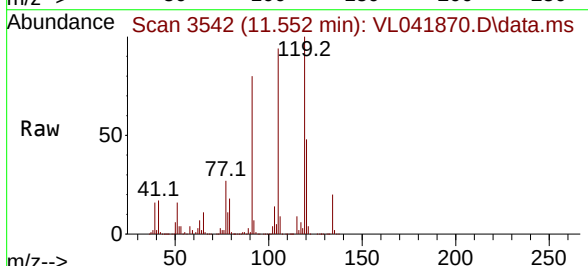
Ion Ratio Lower Upper

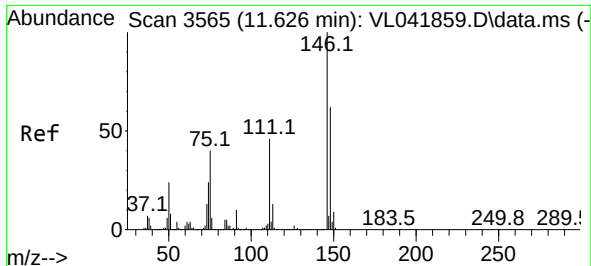
105 100

120 51.4 41.1 61.7

91 85.0 50.0 75.0#

77 29.1 18.2 27.4#

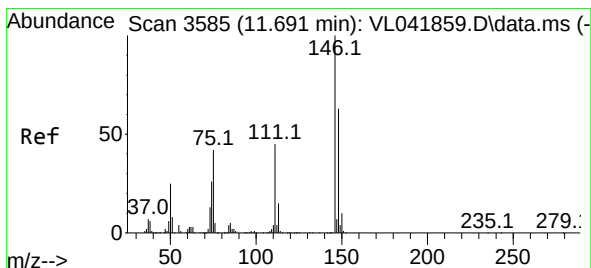
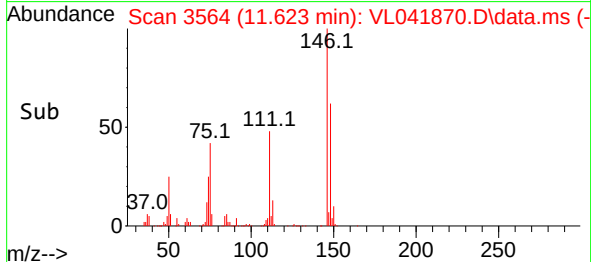
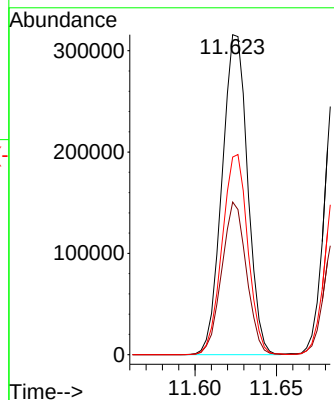
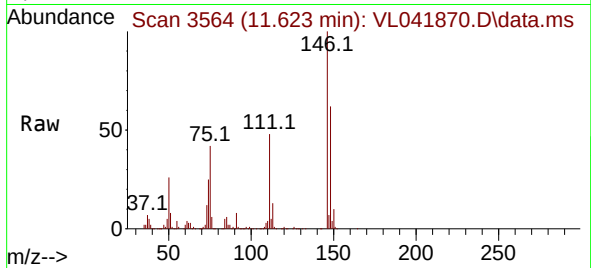




#75
1,3-Dichlorobenzene
Concen: 9.212 ppbv
RT: 11.623 min Scan# 3565
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

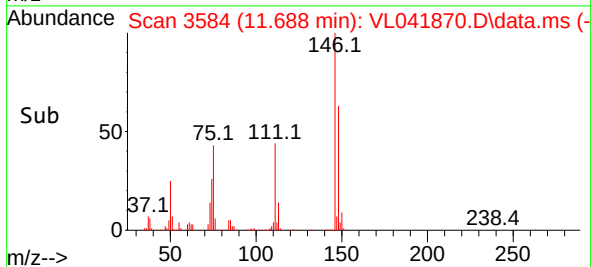
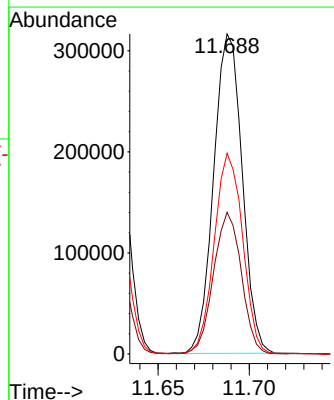
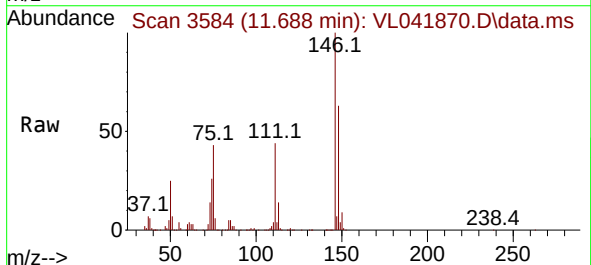
Instrument :
MSVOA_1
ClientSampleId :
VL0109ABS01

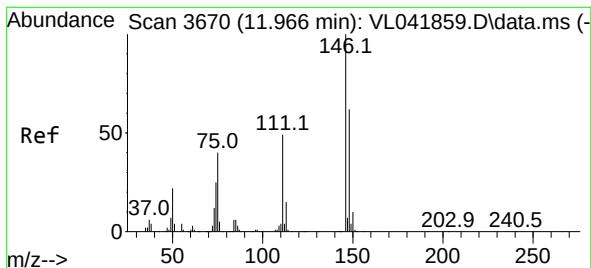
Tgt Ion:146 Resp: 344200
Ion Ratio Lower Upper
146 100
111 46.2 23.2 69.5
148 63.0 31.6 94.7



#76
1,4-Dichlorobenzene
Concen: 9.299 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. -0.003 min
Lab File: VL041870.D
Acq: 09 Jan 2025 17:32

Tgt Ion:146 Resp: 343950
Ion Ratio Lower Upper
146 100
111 43.5 22.1 66.1
148 62.8 31.2 93.6





#77

1,2-Dichlorobenzene

Concen: 9.288 ppbv

RT: 11.963 min Scan# 3669

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_L

ClientSampleId :

VL0109ABS01

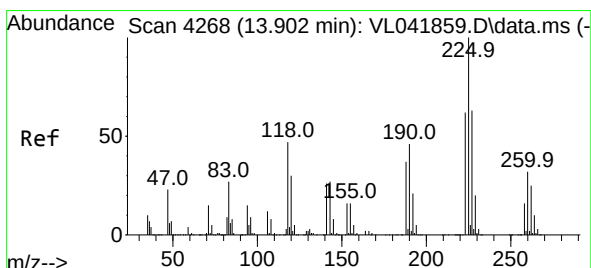
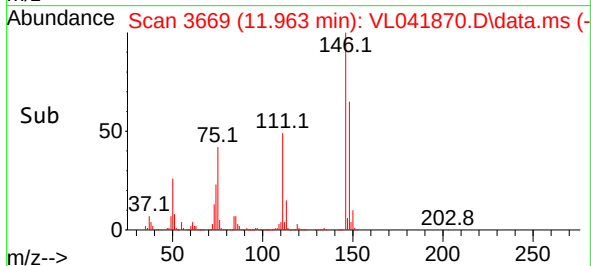
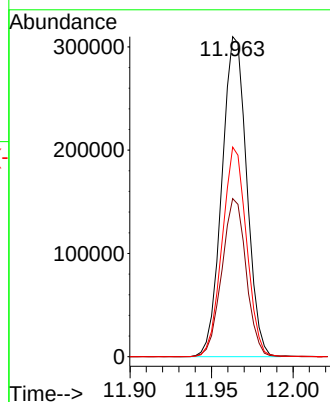
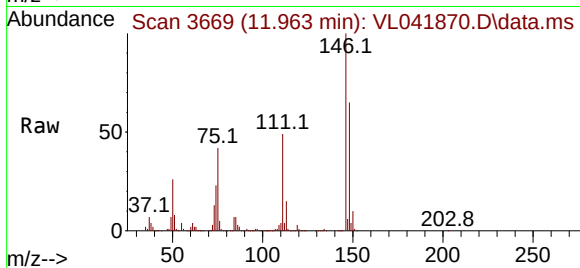
Tgt Ion:146 Resp: 328031

Ion Ratio Lower Upper

146 100

111 48.4 24.1 72.3

148 64.2 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 8.032 ppbv

RT: 13.898 min Scan# 4267

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

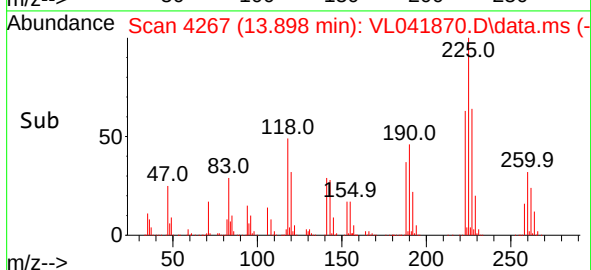
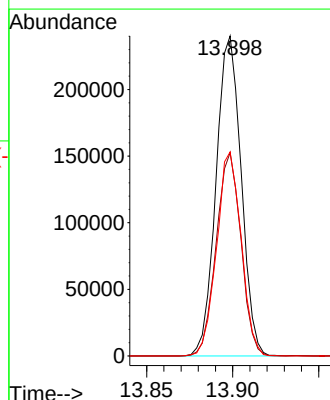
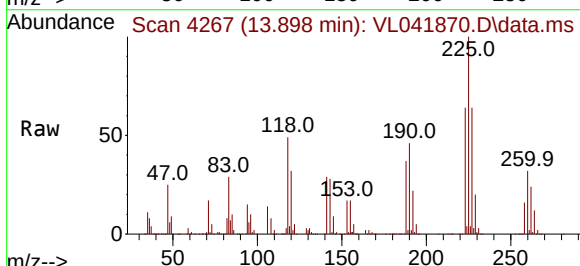
Tgt Ion:225 Resp: 243823

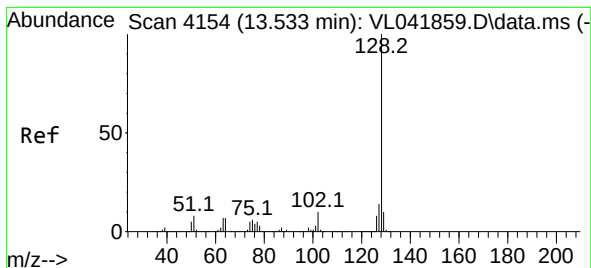
Ion Ratio Lower Upper

225 100

223 62.5 50.6 75.8

227 62.4 50.9 76.3





#79

Naphthalene

Concen: 7.800 ppbv

RT: 13.529 min Scan# 4153

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

Instrument :

MSVOA_1

ClientSampleId :

VL0109ABS01

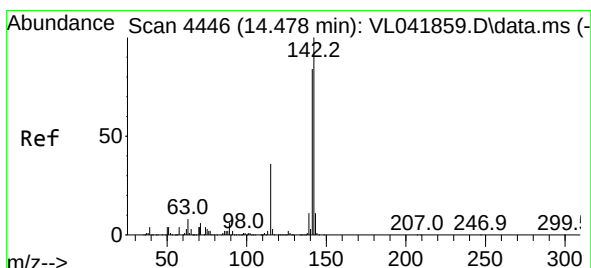
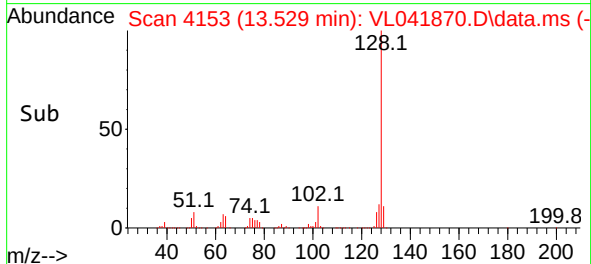
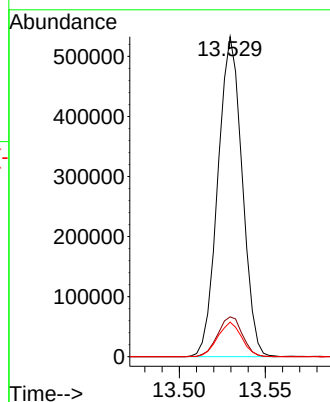
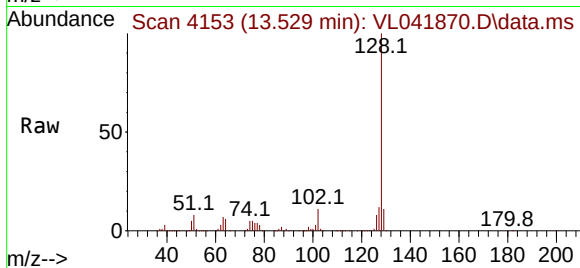
Tgt Ion:128 Resp: 523668

Ion Ratio Lower Upper

128 100

127 12.5 10.8 16.2

129 10.8 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 5.538 ppbv

RT: 14.475 min Scan# 4445

Delta R.T. -0.003 min

Lab File: VL041870.D

Acq: 09 Jan 2025 17:32

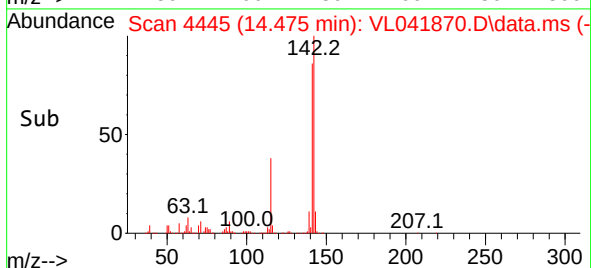
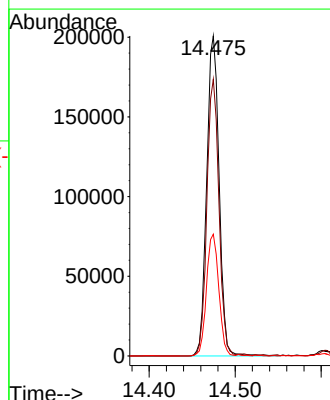
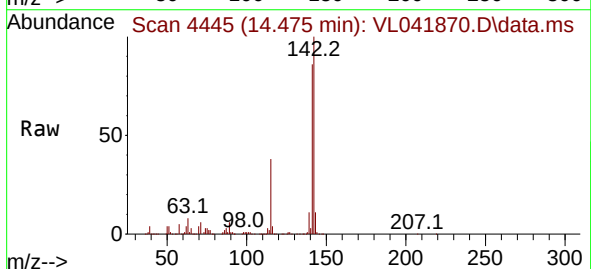
Tgt Ion:142 Resp: 200530

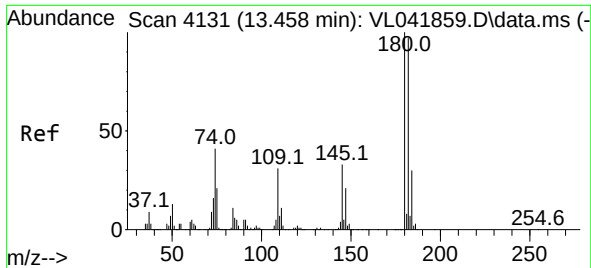
Ion Ratio Lower Upper

142 100

141 84.9 68.2 102.4

115 38.2 29.4 44.2

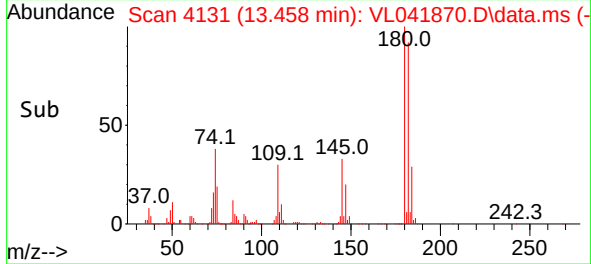
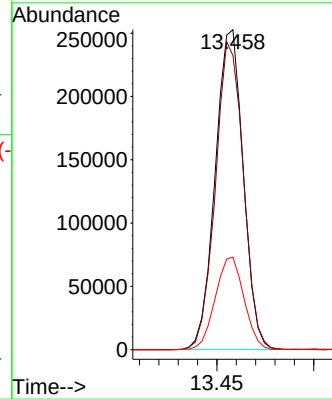
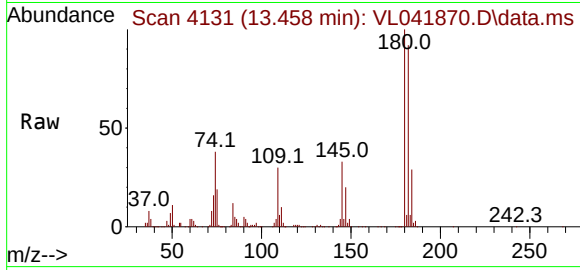




#81
 1,2,4-Trichlorobenzene
 Concen: 7.954 ppbv
 RT: 13.458 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041870.D
 Acq: 09 Jan 2025 17:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0109ABS01

Tgt Ion:180 Resp: 254295
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.8 113.8
 184 29.7 24.1 36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041872.D
 Acq On : 09 Jan 2025 18:37
 Operator : SY/MD
 Sample : Q1037-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

Quant Time: Jan 10 01:44:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.797	49	119153	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	358497	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	322381	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	262755	10.165	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	7659	0.392	ppbv	99
3) Chlorodifluoromethane	1.470	51	13511	0.629	ppbv #	80
4) Chloromethane	1.538	50	3461	0.455	ppbv	94
5) Vinyl Chloride	1.576	62	35	0.004	ppbv #	45
6) Bromomethane	1.670	94	102	0.027	ppbv #	3
7) Chloroethane	1.712	64	36	0.011	ppbv #	23
8) Dichlorotetrafluoroethane	1.557	85	362	0.021	ppbv #	76
9) Propene	1.563	41	463446	46.226	ppbv	97
10) Heptane	5.001	43	715	0.027	ppbv #	27
11) Trichlorofluoromethane	1.884	101	4882	0.243	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.146	101	1188	0.073	ppbv	98
13) Ethanol	1.725	45	795184	1248.775	ppbv	87
14) Bromoethene	1.793	108	66	0.011	ppbv #	1
15) Acetone	1.842	43	74735	3.719	ppbv	96
16) 1,3-Butadiene	1.625	39	8418	0.975	ppbv #	23
17) tert-Butyl alcohol	2.049	59	3585	0.157	ppbv #	72
18) 1,1-Dichloroethene	2.052	96	32	0.004	ppbv #	1
19) Isopropyl Alcohol	1.894	45	23353	2.211	ppbv #	42
20) Methylene Chloride	2.068	84	2700	0.394	ppbv #	91
21) Allyl Chloride	2.088	41	955	0.074	ppbv #	1
22) trans-1,2-Dichloroethene	2.334	96	68	0.008	ppbv #	1
23) Vinyl Acetate	2.486	43	12203	1.198	ppbv #	41
24) 1,1-Dichloroethane	2.441	63	85	0.005	ppbv #	80
25) Ethyl Acetate	2.845	43	13700	0.274	ppbv #	93
26) Hexane	2.835	57	10287	0.501	ppbv #	56
27) Carbon Disulfide	2.162	76	438	0.022	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	157	0.010	ppbv #	1
29) Chloroform	2.865	83	1046	0.036	ppbv #	74
30) Cyclohexane	3.878	84	1791	0.102	ppbv #	12
31) cis-1,2-Dichloroethene	2.745	61	50	0.002	ppbv #	24
32) 1,1,1-Trichloroethane	3.389	97	61	0.002	ppbv #	22
34) 2-Butanone	2.573	43	4652	0.156	ppbv	98
35) Carbon Tetrachloride	3.781	117	577	0.021	ppbv #	90
36) Benzene	3.674	78	9375	0.225	ppbv #	85
37) 1,2-Dichloroethane	3.230	62	1792	0.082	ppbv	97
38) Trichloroethene	4.260	130	40	0.002	ppbv #	3
39) 1,2-Dichloropropane	3.971	63	89780	6.068	ppbv #	24
40) 1,4-Dioxane	4.603	88	23	0.003	ppbv #	1
41) Tetrahydrofuran	3.065	42	154	0.009	ppbv #	37
42) Bromodichloromethane	4.515	83	186	0.006	ppbv #	26
43) Methyl Methacrylate	4.904	69	27	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.654	57	1673	0.024	ppbv #	23
45) t-1,3-Dichloropropene	6.587	75	29	0.002	ppbv #	45

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041872.D
 Acq On : 09 Jan 2025 18:37
 Operator : SY/MD
 Sample : Q1037-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

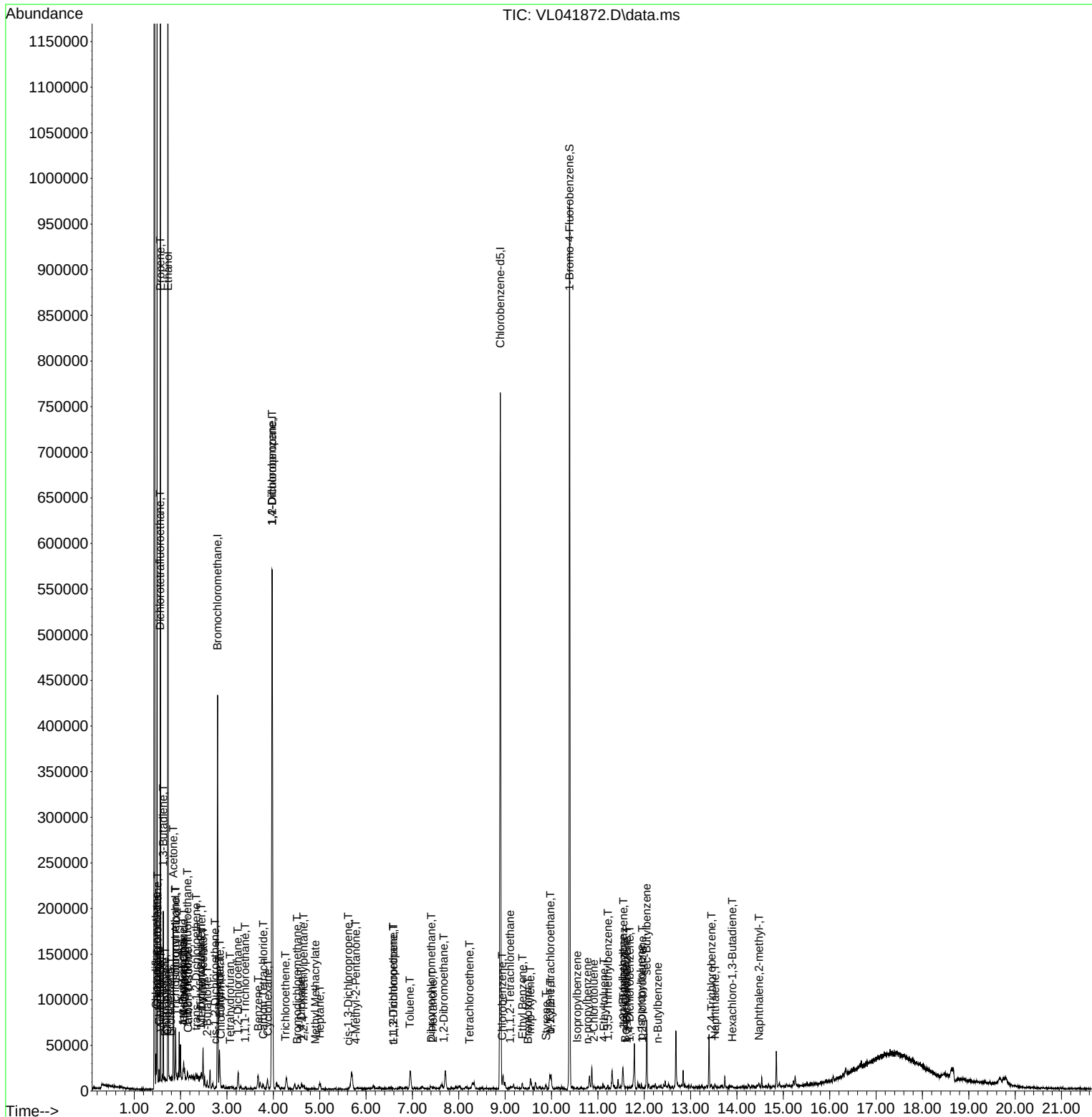
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

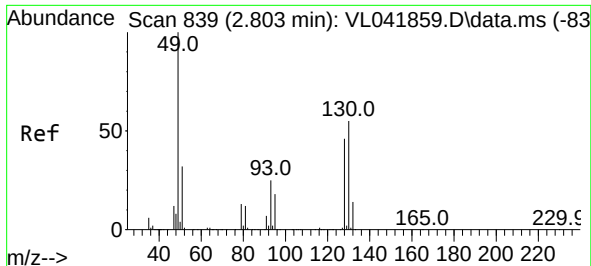
Quant Time: Jan 10 01:44:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.612	75	28	0.001	ppbv	#	1
47) 1,1,2-Trichloroethane	6.590	97	27	0.002	ppbv	#	15
48) Dibromochloromethane	7.406	129	51	0.002	ppbv	#	10
49) Bromoform	9.493	173	81	0.004	ppbv	#	42
50) 4-Methyl-2-Pentanone	5.781	43	61	0.001	ppbv	#	1
51) 2-Hexanone	7.444	43	139	0.004	ppbv	#	28
52) Tetrachloroethene	8.231	164	33	0.002	ppbv	#	1
53) Toluene	6.946	91	5818	0.118	ppbv	#	1
54) 1,2-Dibromoethane	7.674	107	26	0.001	ppbv	#	3
56) 1,1,1,2-Tetrachloroethane	9.108	131	27	0.001	ppbv	#	1
57) Chlorobenzene	8.933	112	172	0.005	ppbv	#	35
58) Ethyl Benzene	9.373	91	3068	0.046	ppbv		89
59) m/p-Xylene	9.545	91	5167	0.099	ppbv	#	100
60) o-Xylene	9.975	91	2991	0.057	ppbv		95
61) Styrene	9.885	104	570	0.022	ppbv	#	1
62) Isopropylbenzene	10.552	105	757	0.010	ppbv		95
63) 1,1,2,2-Tetrachloroethane	9.975	83	44	0.001	ppbv	#	25
64) n-propylbenzene	10.772	120	24	0.001	ppbv		84
65) tert-Butylbenzene	11.542	119	315	0.004	ppbv	#	1
66) Benzyl Chloride	11.591	91	68	0.009	ppbv	#	66
67) sec-Butylbenzene	12.053	105	791	0.008	ppbv		96
69) p-Isopropyltoluene	11.934	119	1303	0.016	ppbv	#	78
70) n-Butylbenzene	12.293	91	296	0.004	ppbv	#	52
71) 2-Chlorotoluene	10.914	91	130	0.002	ppbv		78
72) 4-Ethyltoluene	11.131	105	406	0.006	ppbv	#	56
73) 1,3,5-Trimethylbenzene	11.215	105	832	0.015	ppbv		89
74) 1,2,4-Trimethylbenzene	11.548	105	3461	0.059	ppbv	#	69
75) 1,3-Dichlorobenzene	11.623	146	72	0.002	ppbv	#	43
76) 1,4-Dichlorobenzene	11.684	146	357	0.010	ppbv	#	63
77) 1,2-Dichlorobenzene	11.960	146	260	0.008	ppbv	#	54
78) Hexachloro-1,3-Butadiene	13.895	225	89	0.003	ppbv	#	19
79) Naphthalene	13.526	128	2170	0.034	ppbv	#	77
80) Naphthalene,2-methyl-	14.474	142	1095	0.032	ppbv	#	91
81) 1,2,4-Trichlorobenzene	13.448	180	664	0.022	ppbv		98

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

Quant Time: Jan 10 01:44:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

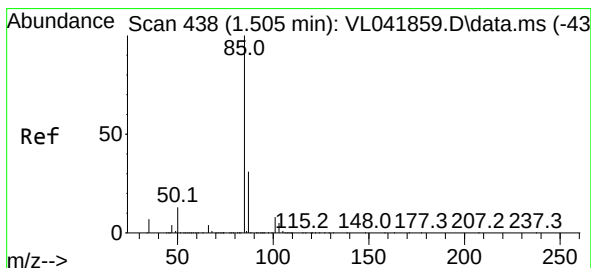
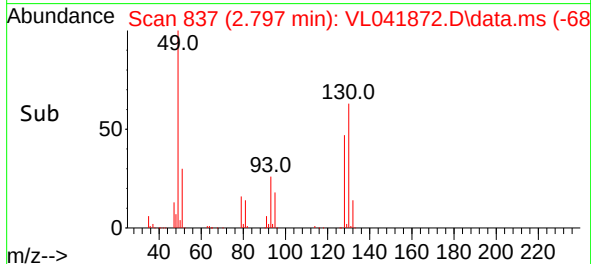
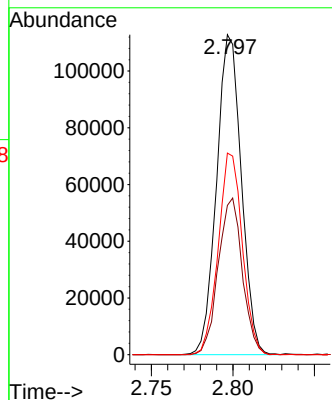
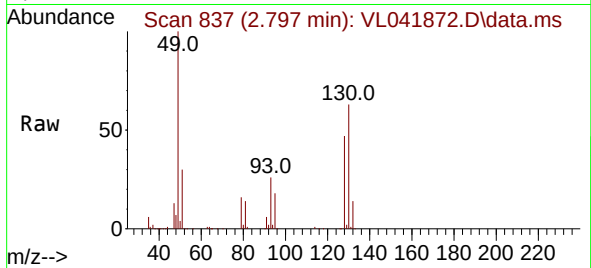




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

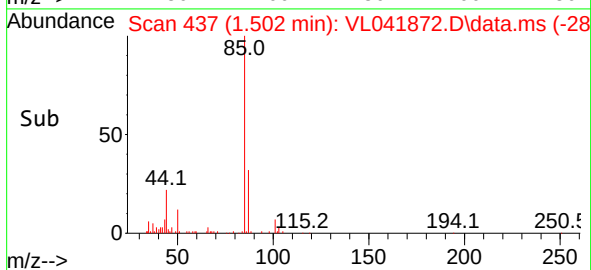
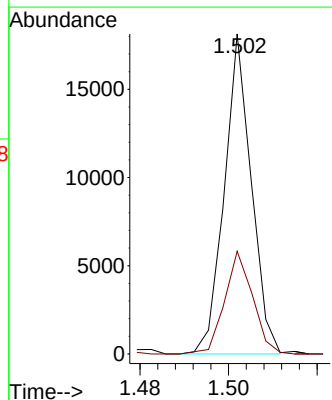
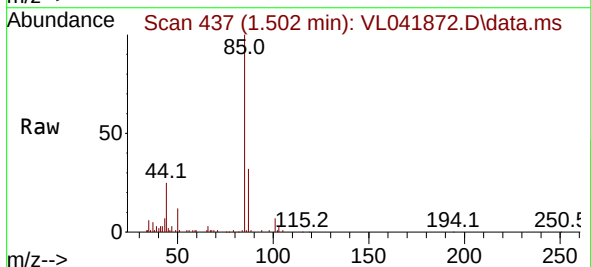
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

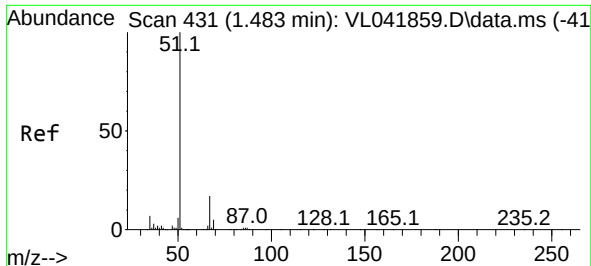
Tgt Ion: 49 Resp: 119153
 Ion Ratio Lower Upper
 49 100
 128 47.7 23.2 69.5
 130 61.2 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 0.392 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. -0.003 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Tgt Ion: 85 Resp: 7659
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.2 37.8

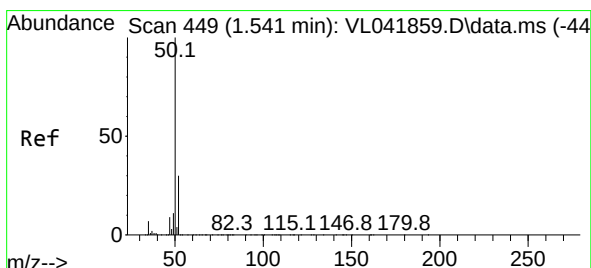
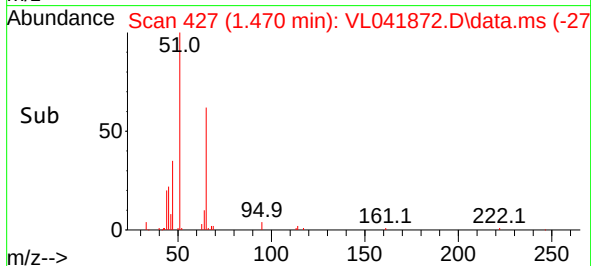
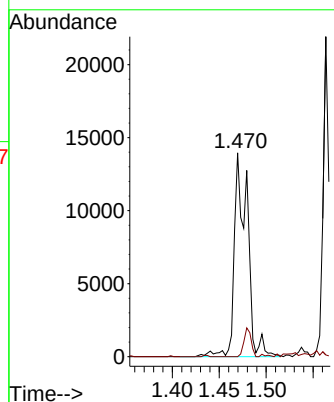
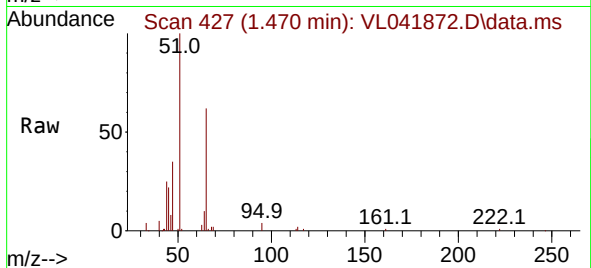




#3
Chlorodifluoromethane
Concen: 0.629 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

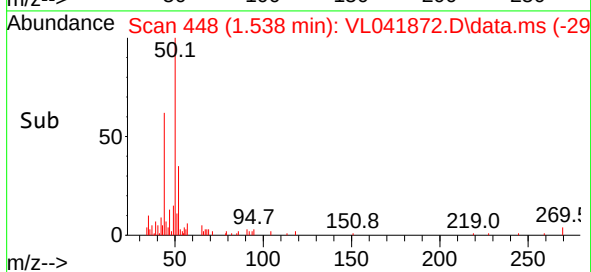
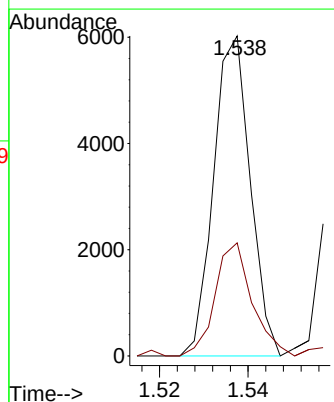
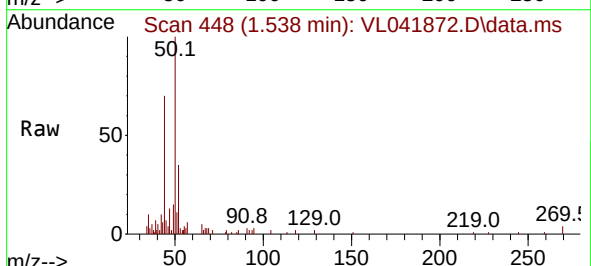
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

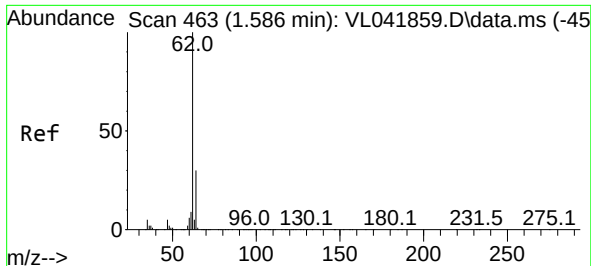
Tgt Ion: 51 Resp: 13511
Ion Ratio Lower Upper
51 100
67 8.5 13.8 20.8#



#4
Chloromethane
Concen: 0.455 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 50 Resp: 3461
Ion Ratio Lower Upper
50 100
52 33.0 23.9 35.9

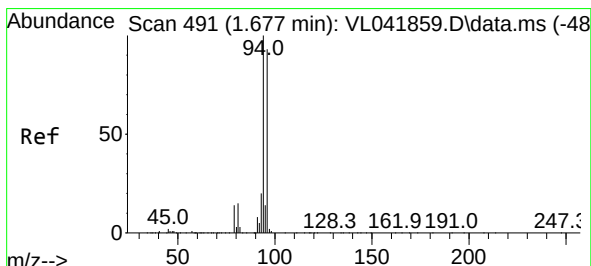
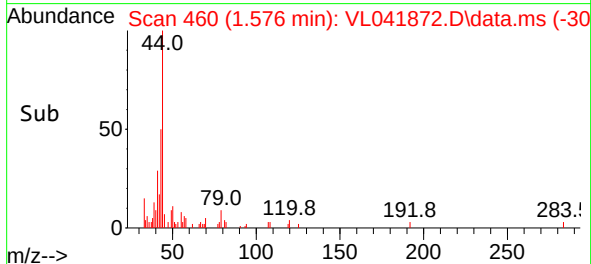
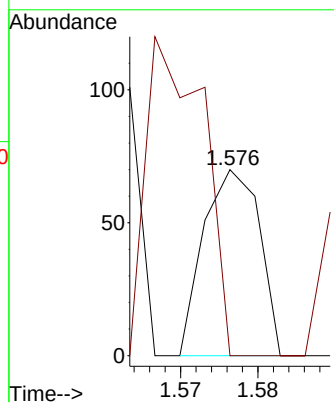
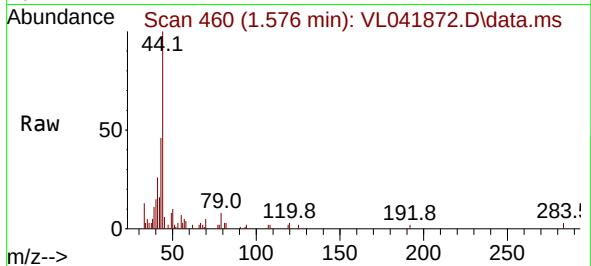




#5
 Vinyl Chloride
 Concen: 0.004 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.010 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

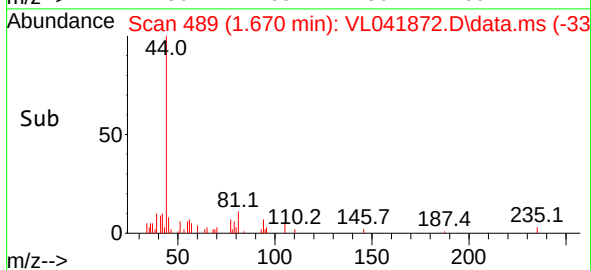
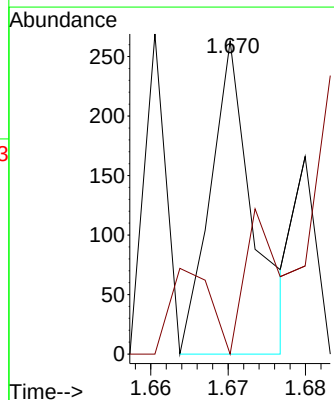
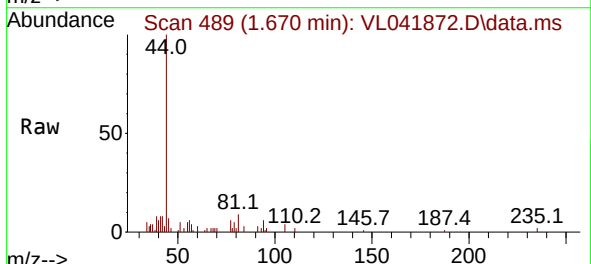
Instrument :
 MSVOA_L
 ClientSampleId :
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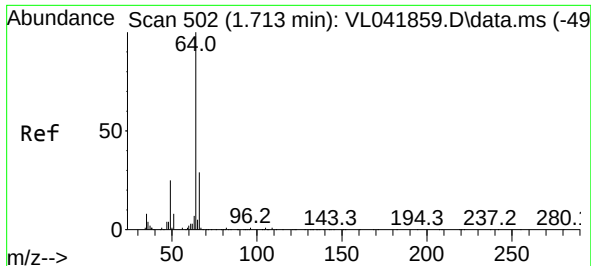
Tgt Ion: 62 Resp: 35
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.1 36.1#



#6
 Bromomethane
 Concen: 0.027 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.007 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Tgt Ion: 94 Resp: 102
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.8 112.2#

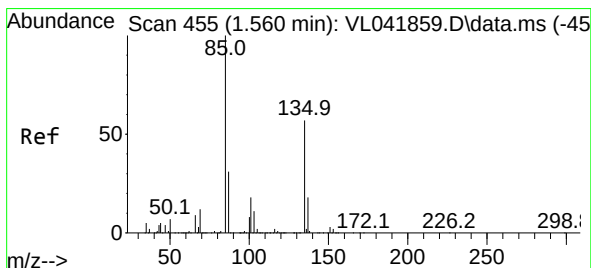
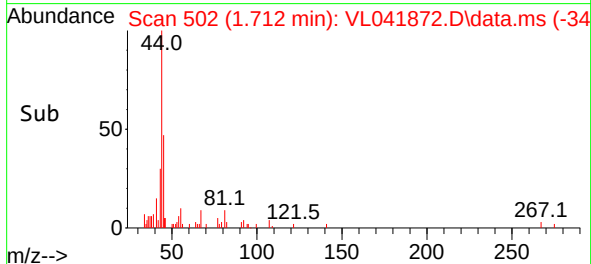
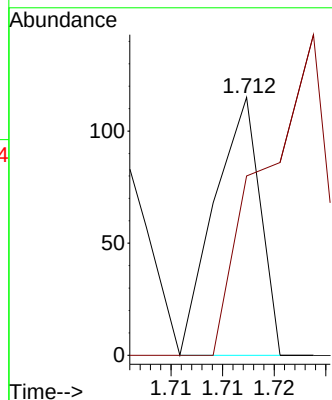
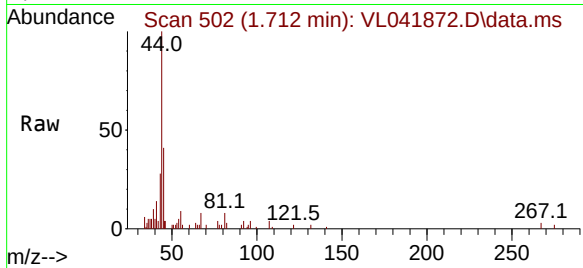




#7
Chloroethane
Concen: 0.011 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.000 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

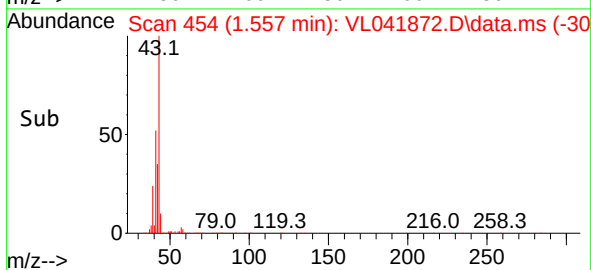
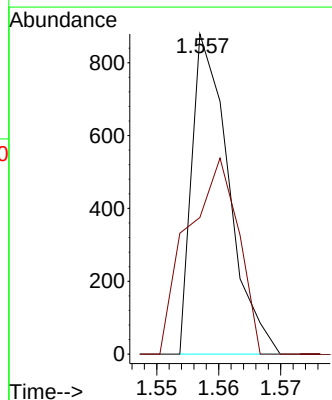
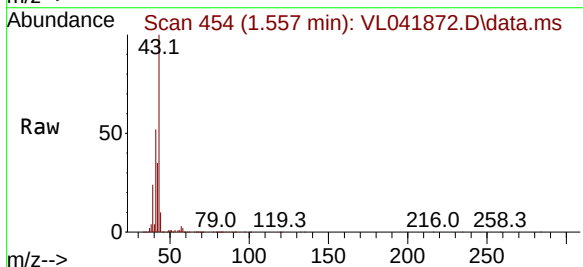
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

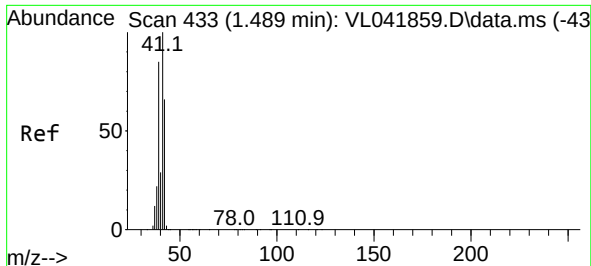
Tgt Ion: 64 Resp: 36
Ion Ratio Lower Upper
64 100
66 69.6 23.0 34.6#



#8
Dichlorotetrafluoroethane
Concen: 0.021 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 85 Resp: 362
Ion Ratio Lower Upper
85 100
135 84.3 52.2 78.4#





#9

Propene

Concen: 46.226 ppbv

RT: 1.563 min Scan# 41

Delta R.T. 0.074 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

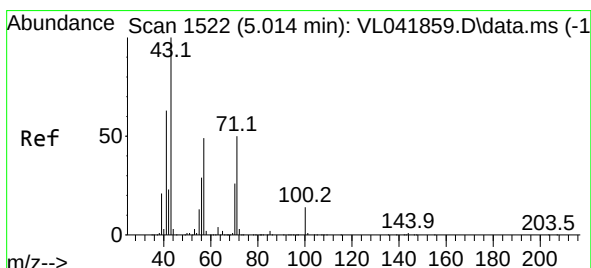
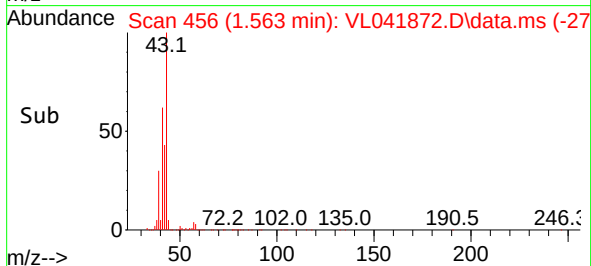
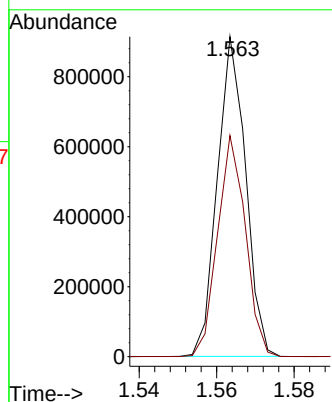
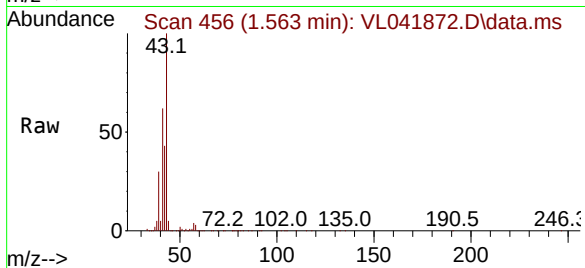
INDOOR

Tgt Ion: 41 Resp: 463446

Ion Ratio Lower Upper

41 100

42 68.4 53.0 79.6



#10

Heptane

Concen: 0.027 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. -0.013 min

Lab File: VL041872.D

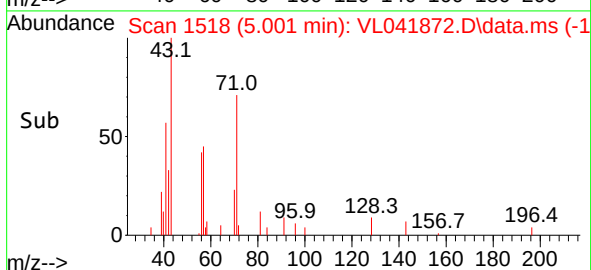
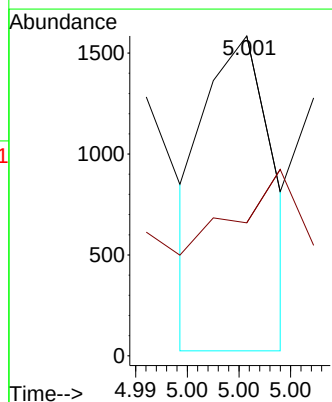
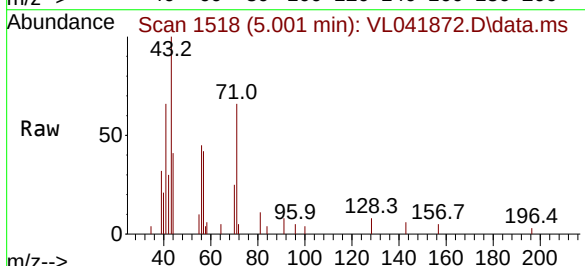
Acq: 09 Jan 2025 18:37

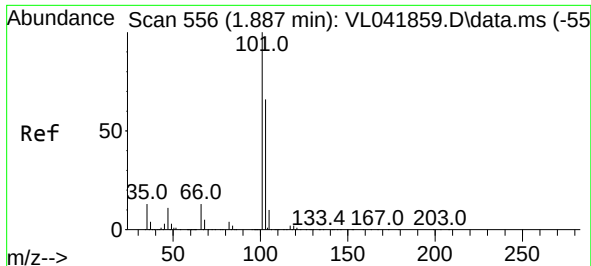
Tgt Ion: 43 Resp: 715

Ion Ratio Lower Upper

43 100

57 0.0 40.2 60.2#

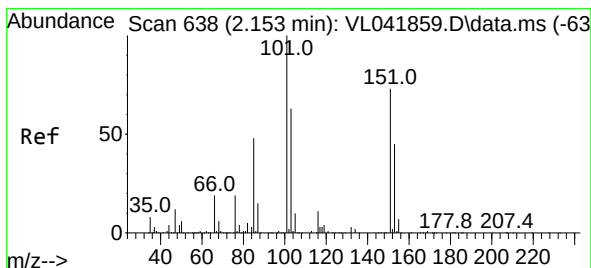
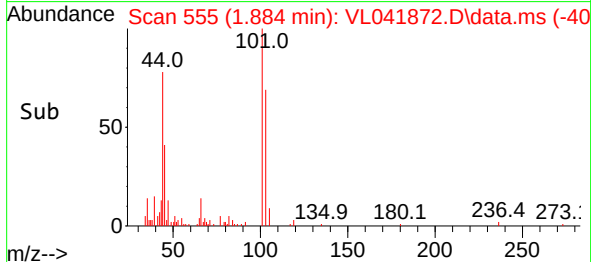
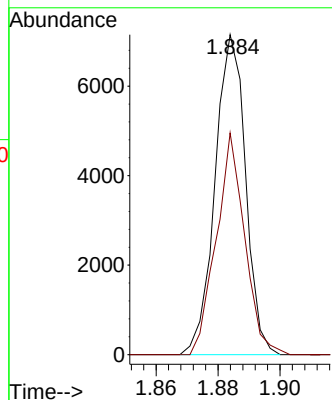
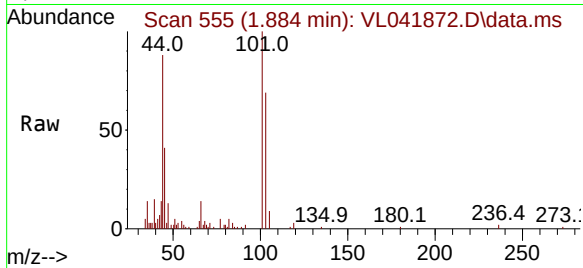




#11
 Trichlorofluoromethane
 Concen: 0.243 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

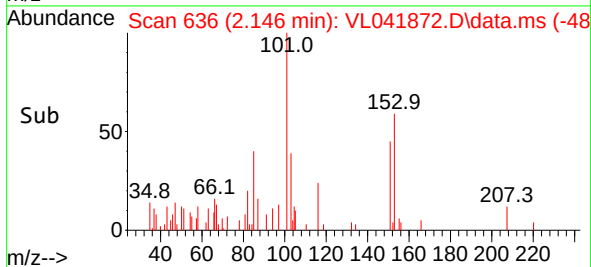
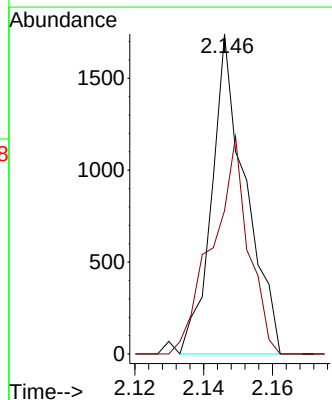
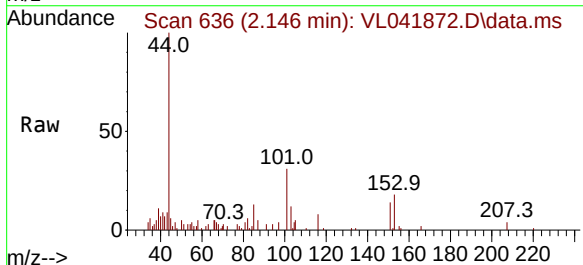
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

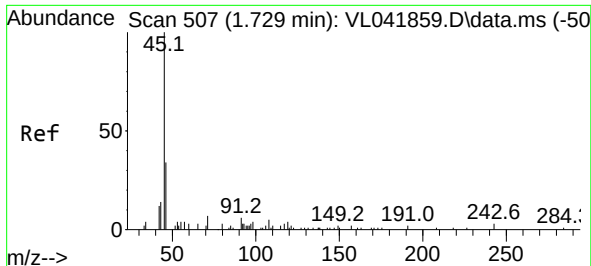
Tgt Ion:101 Resp: 4882
 Ion Ratio Lower Upper
 101 100
 103 69.3 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.073 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. -0.007 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Tgt Ion:101 Resp: 1188
 Ion Ratio Lower Upper
 101 100
 151 72.5 59.4 89.0

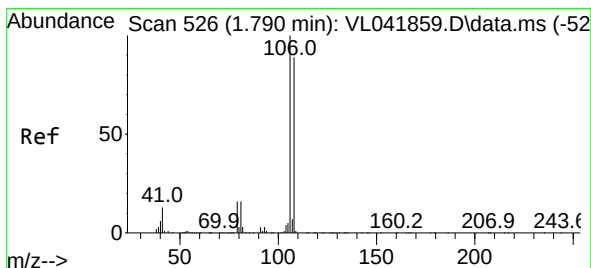
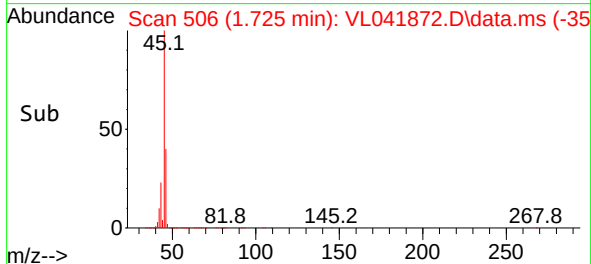
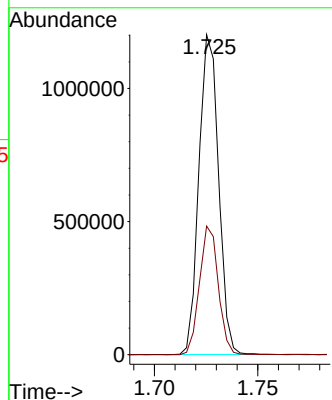
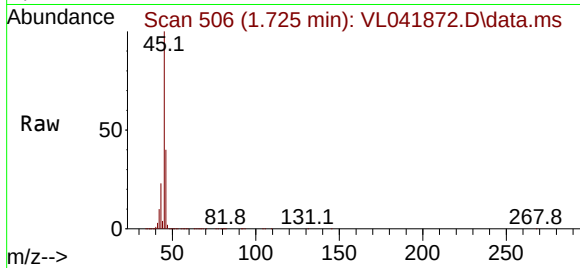




#13
Ethanol
Concen: 1248.775 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

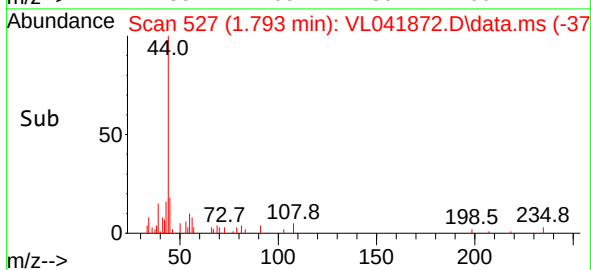
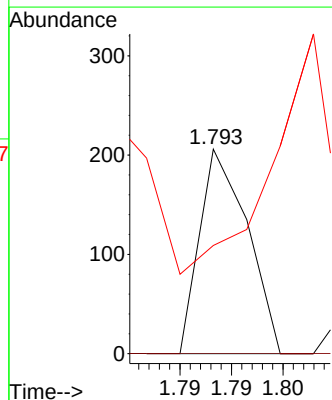
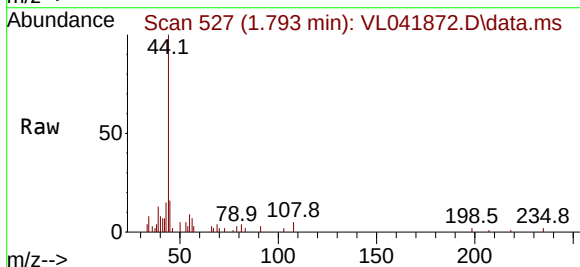
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

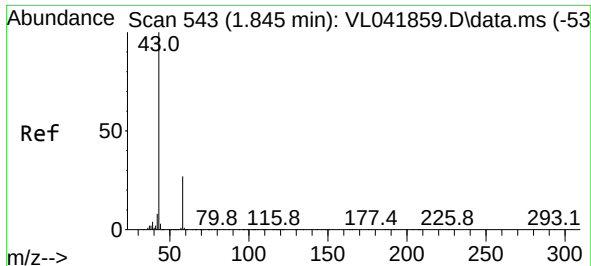
Tgt Ion: 45 Resp: 795184
Ion Ratio Lower Upper
45 100
46 38.6 19.0 76.0



#14
Bromoethene
Concen: 0.011 ppbv
RT: 1.793 min Scan# 527
Delta R.T. 0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 108 Resp: 66
Ion Ratio Lower Upper
108 100
106 131.8 86.9 130.3#
79 824.2 15.6 23.4#

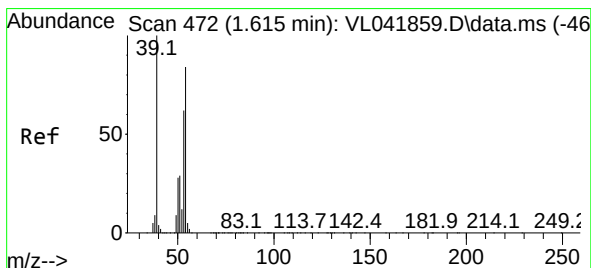
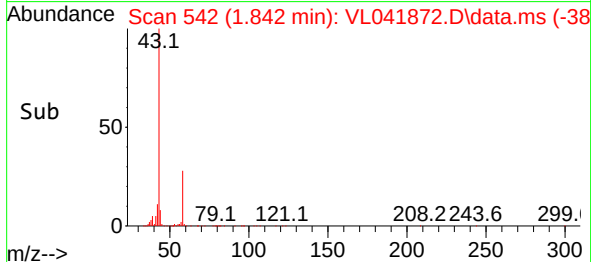
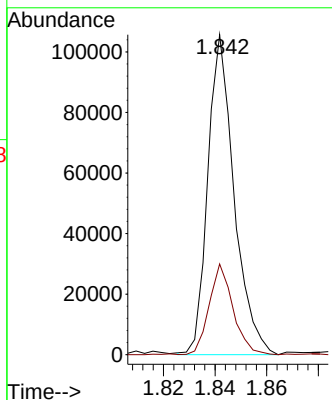
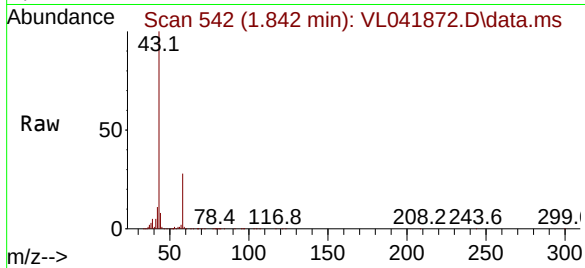




#15
Acetone
Concen: 3.719 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

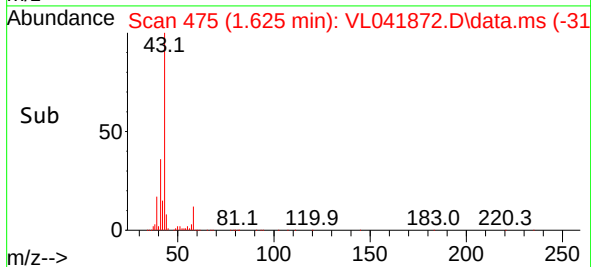
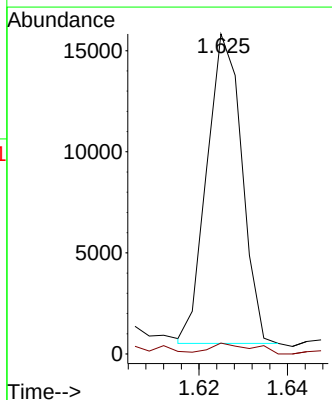
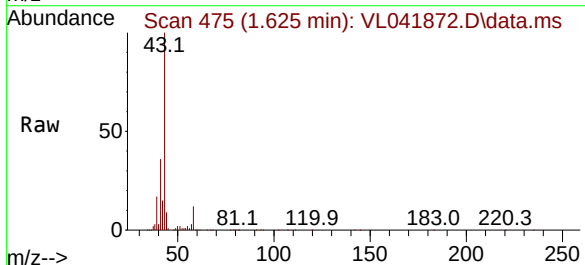
Instrument :
MSVOA_1
ClientSampleId :
INDOOR

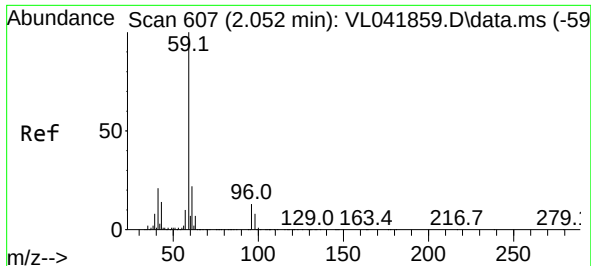
Tgt Ion: 43 Resp: 74735
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1



#16
1,3-Butadiene
Concen: 0.975 ppbv
RT: 1.625 min Scan# 475
Delta R.T. 0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 39 Resp: 8418
Ion Ratio Lower Upper
39 100
54 9.7 60.1 90.1#





#17

tert-Butyl alcohol

Concen: 0.157 ppbv

RT: 2.049 min Scan# 606

Delta R.T. -0.003 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

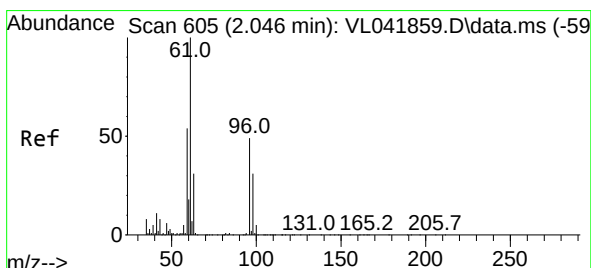
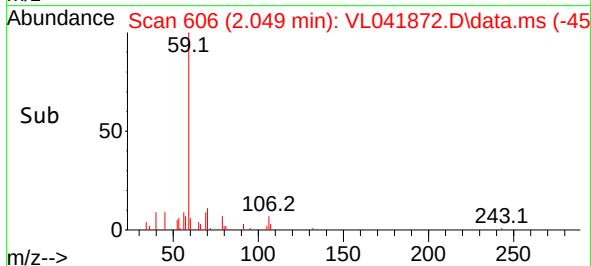
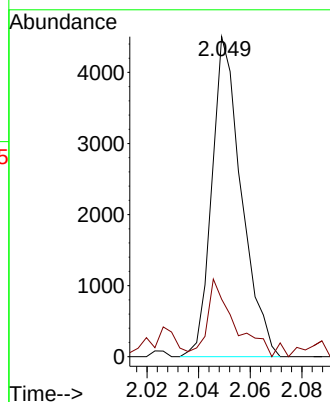
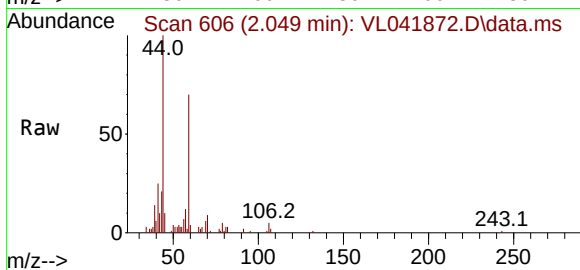
INDOOR

Tgt Ion: 59 Resp: 3585

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.004 ppbv

RT: 2.052 min Scan# 607

Delta R.T. 0.006 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

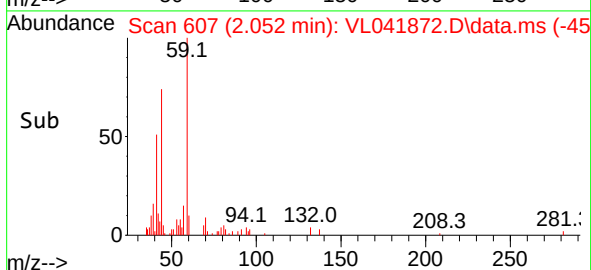
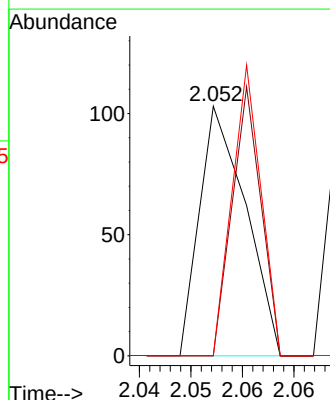
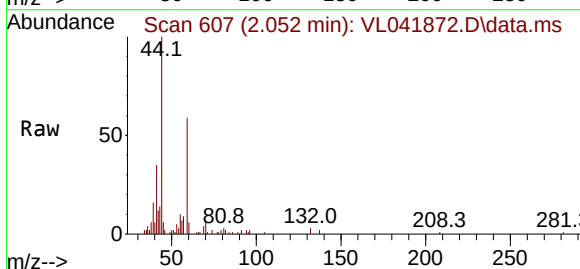
Tgt Ion: 96 Resp: 32

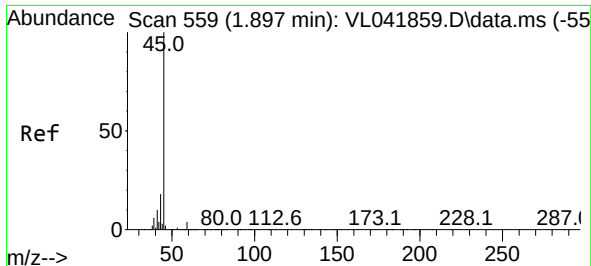
Ion Ratio Lower Upper

96 100

61 0.0 161.7 242.5#

98 0.0 51.0 76.4#

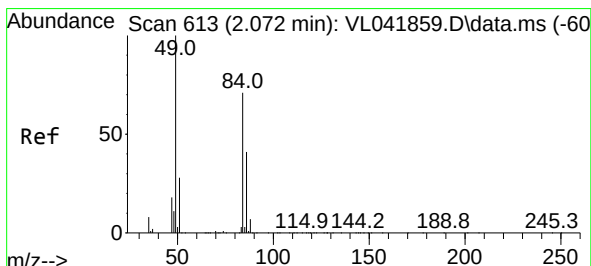
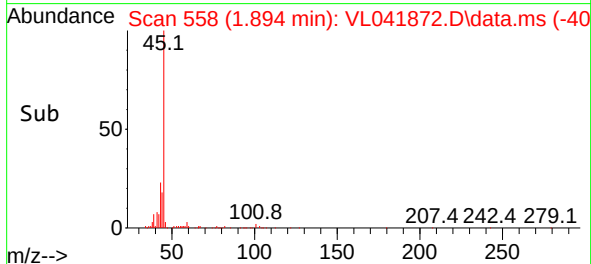
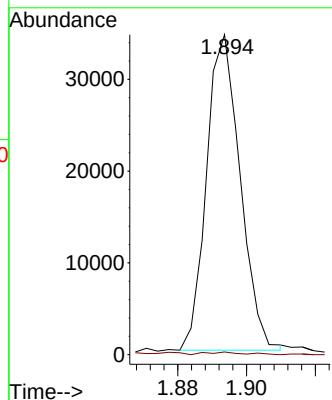
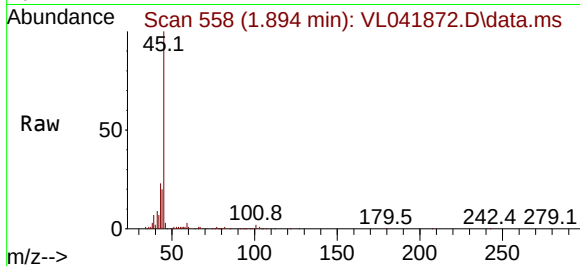




#19
Isopropyl Alcohol
Concen: 2.211 ppbv
RT: 1.894 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

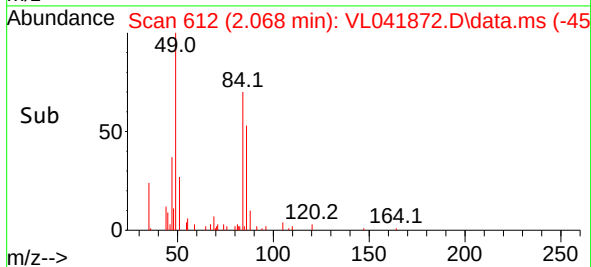
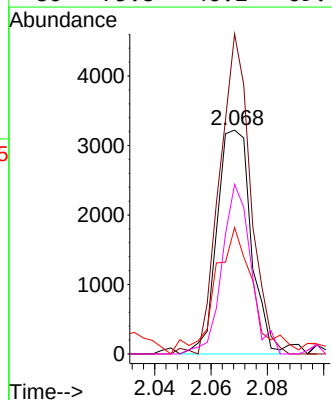
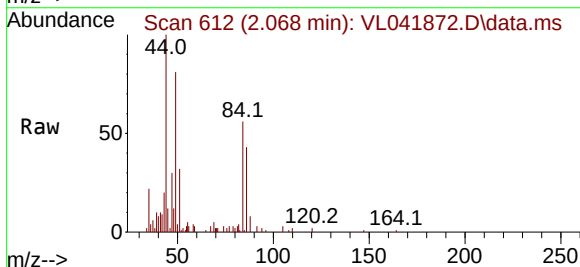
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

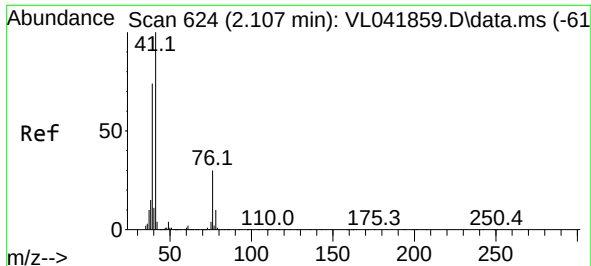
Tgt Ion: 45 Resp: 23353
Ion Ratio Lower Upper
45 100
58 84.9 37.0 55.6#



#20
Methylene Chloride
Concen: 0.394 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 84 Resp: 2700
Ion Ratio Lower Upper
84 100
49 140.4 113.8 170.8
51 50.1 33.5 50.3
86 75.8 46.2 69.4#

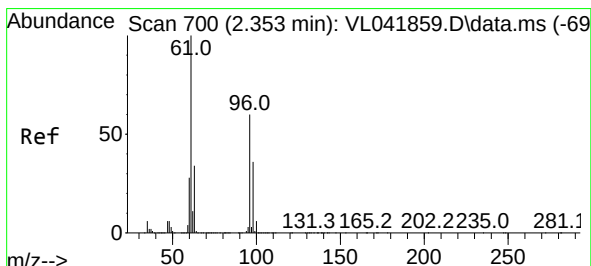
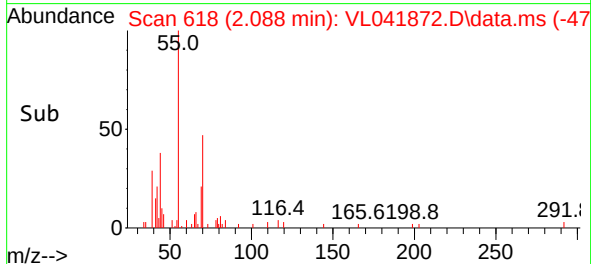
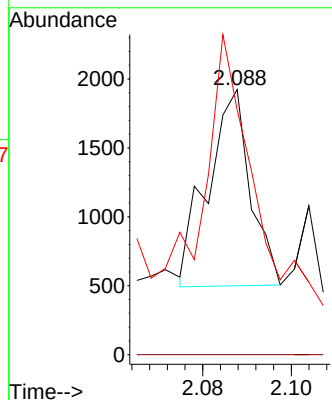
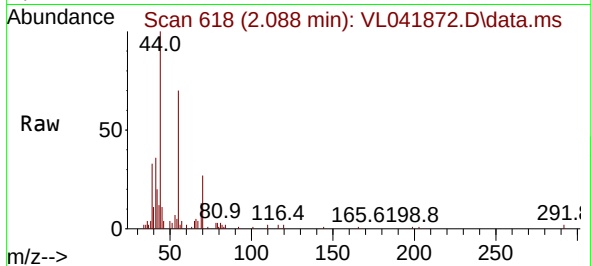




#21
 Allyl Chloride
 Concen: 0.074 ppbv
 RT: 2.088 min Scan# 61
 Delta R.T. -0.020 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

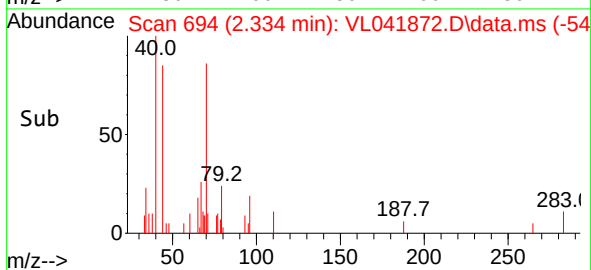
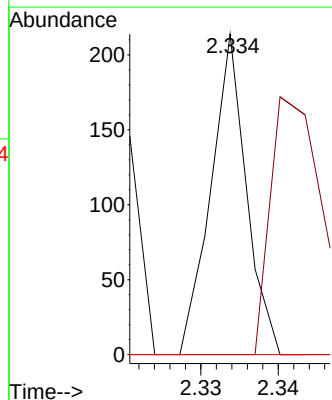
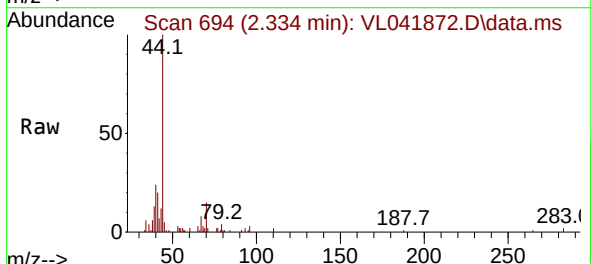
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

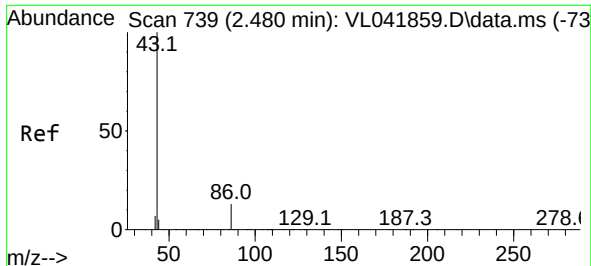
Tgt Ion: 41 Resp: 955
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.6 36.8#
 39 203.0 60.1 90.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.008 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.020 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Tgt Ion: 96 Resp: 68
 Ion Ratio Lower Upper
 96 100
 61 0.0 134.2 201.4#
 98 0.0 49.0 73.4#

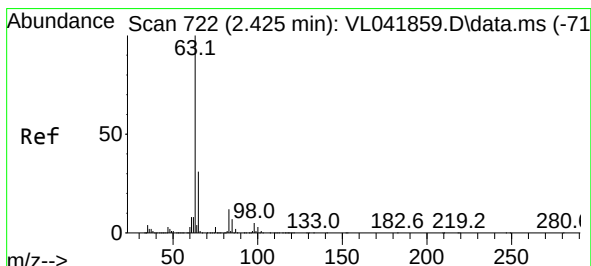
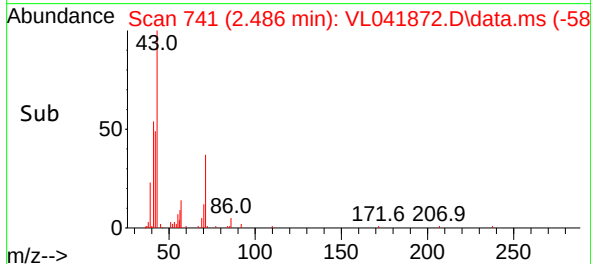
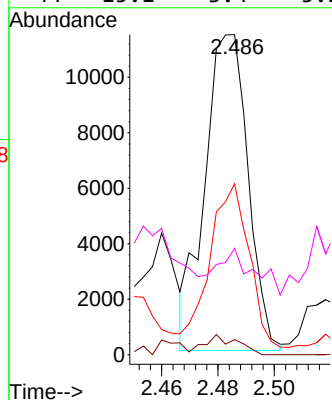
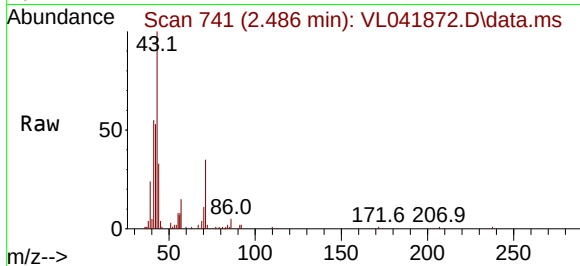




#23
 Vinyl Acetate
 Concen: 1.198 ppbv
 RT: 2.486 min Scan# 741
 Delta R.T. 0.006 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

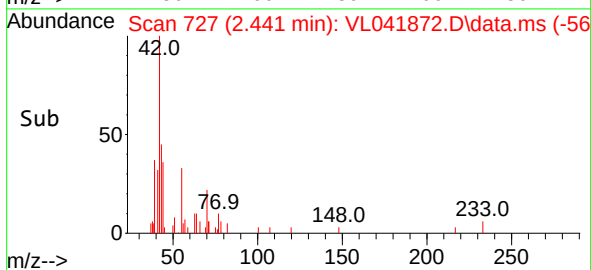
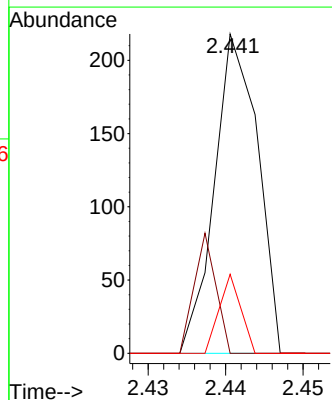
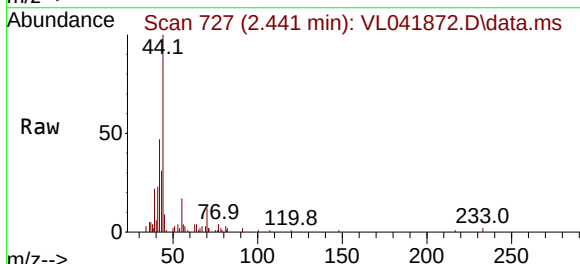
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

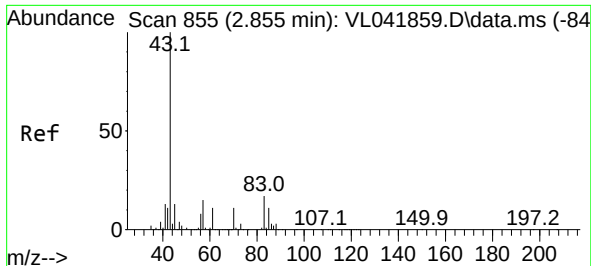
Tgt Ion:	43	Resp:	12203
Ion	Ratio	Lower	Upper
43	100		
86	4.9	7.8	11.6#
42	52.7	7.0	10.4#
44	15.1	3.4	5.2#



#24
 1,1-Dichloroethane
 Concen: 0.005 ppbv
 RT: 2.441 min Scan# 727
 Delta R.T. 0.016 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Tgt Ion:	63	Resp:	85
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.9#
100	12.9	1.3	3.8#

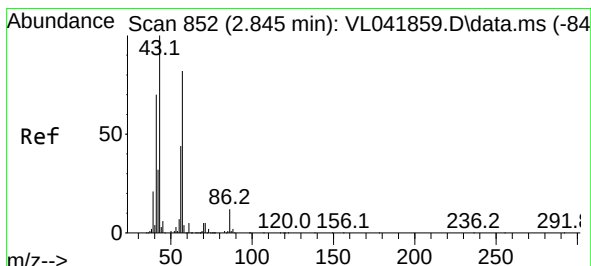
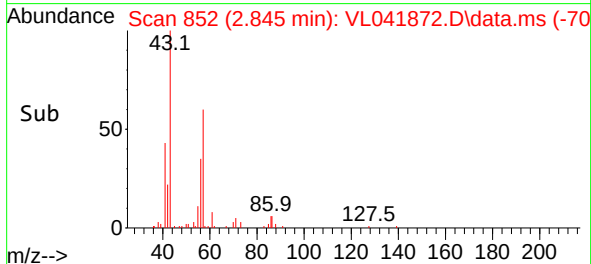
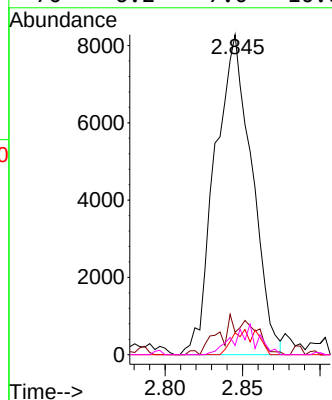
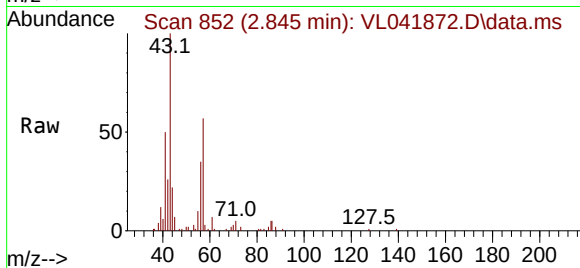




#25
Ethyl Acetate
Concen: 0.274 ppbv
RT: 2.845 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

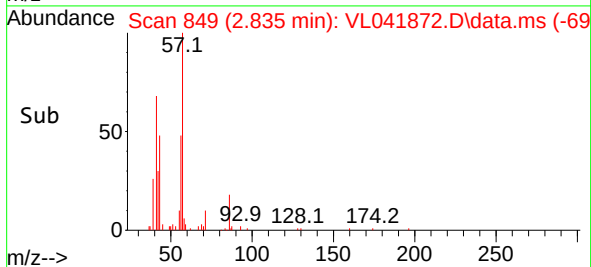
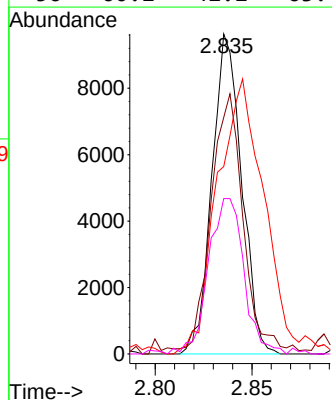
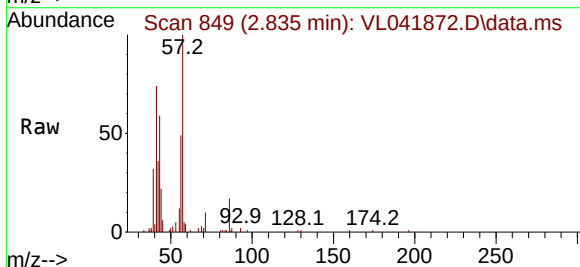
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

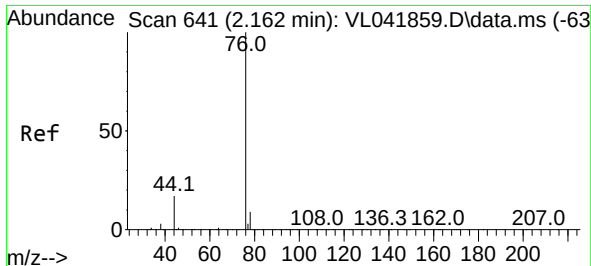
Tgt Ion:	43	Resp:	13700
Ion	Ratio	Lower	Upper
43	100		
45	12.2	8.4	12.6
61	5.4	7.3	10.9#
70	6.2	7.0	10.6#



#26
Hexane
Concen: 0.501 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion:	57	Resp:	10287
Ion	Ratio	Lower	Upper
57	100		
41	90.9	71.5	107.3
43	135.4	200.2	300.4#
56	60.2	42.2	63.4

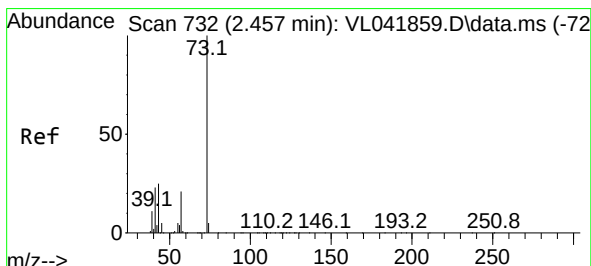
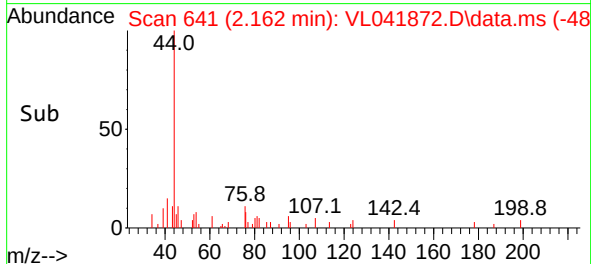
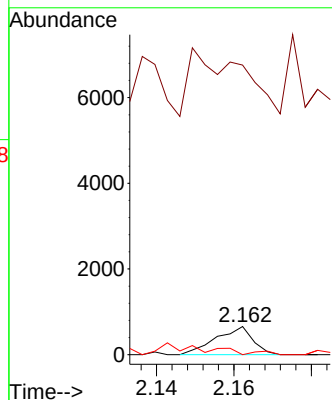
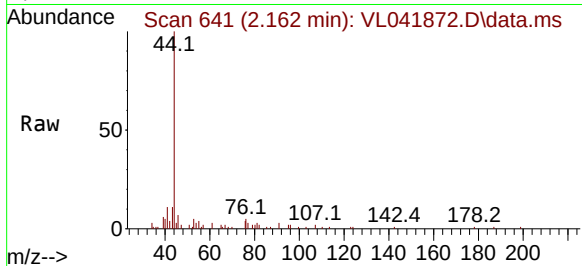




#27
Carbon Disulfide
Concen: 0.022 ppbv
RT: 2.162 min Scan# 641
Delta R.T. -0.000 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

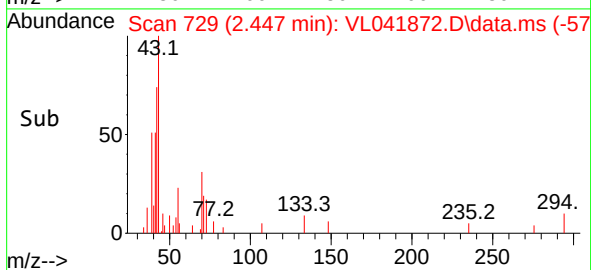
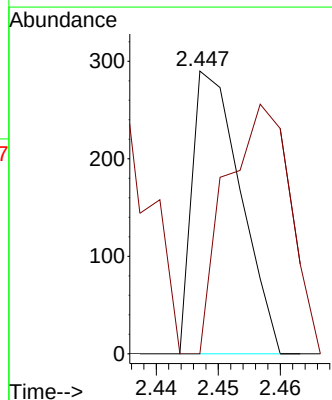
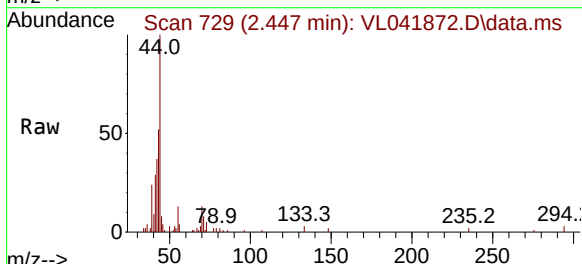
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

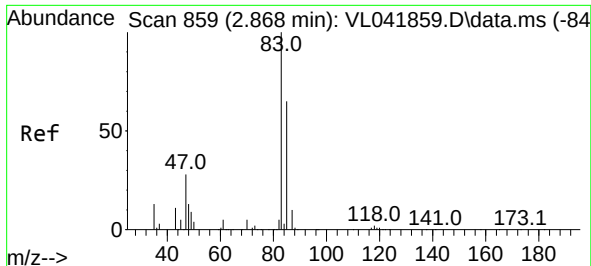
Tgt Ion: 76 Resp: 438
Ion Ratio Lower Upper
76 100
44 2000.2 13.1 19.7#
78 60.5 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.010 ppbv
RT: 2.447 min Scan# 729
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 73 Resp: 157
Ion Ratio Lower Upper
73 100
57 198.7 17.5 26.3#





#29

Chloroform

Concen: 0.036 ppbv

RT: 2.865 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

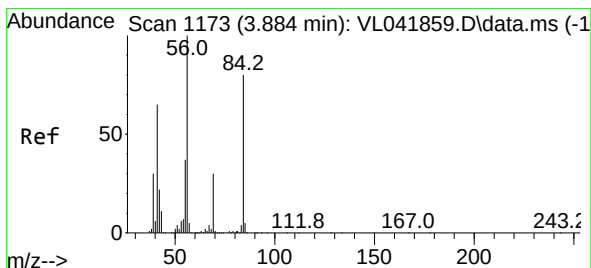
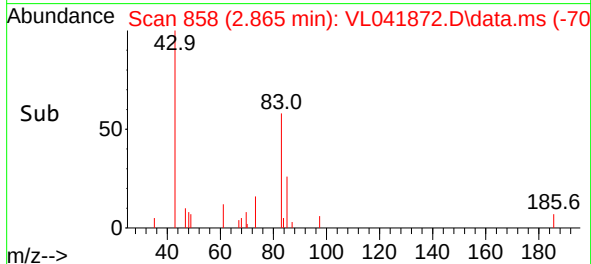
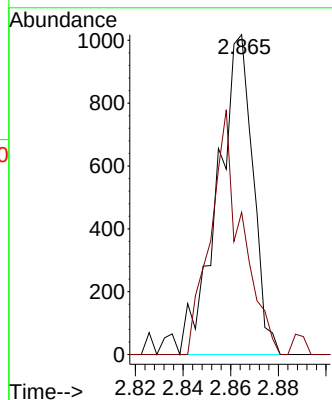
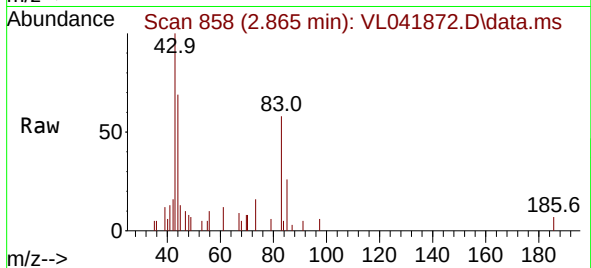
INDOOR

Tgt Ion: 83 Resp: 1046

Ion Ratio Lower Upper

83 100

85 44.5 51.7 77.5#



#30

Cyclohexane

Concen: 0.102 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. -0.007 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

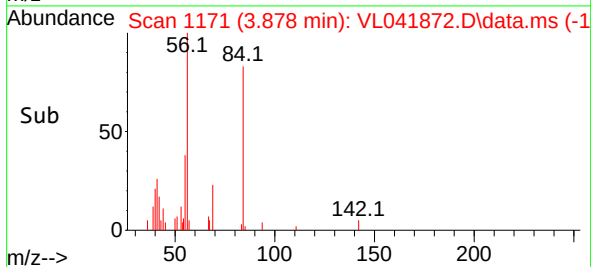
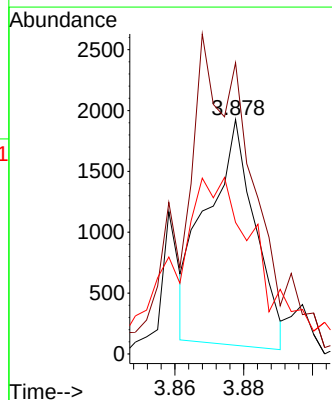
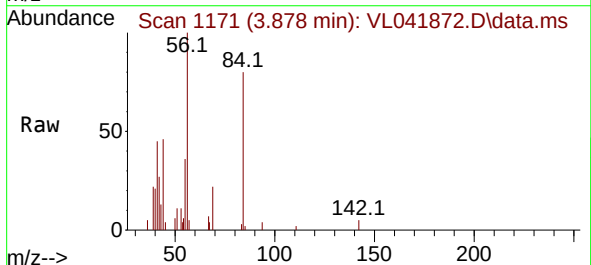
Tgt Ion: 84 Resp: 1791

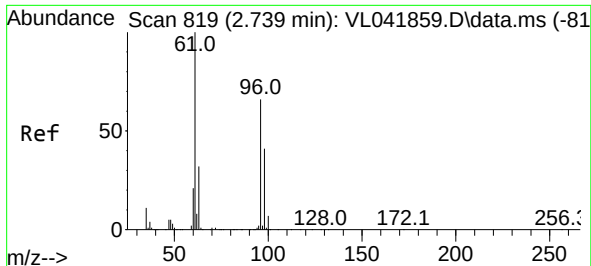
Ion Ratio Lower Upper

84 100

56 211.2 100.7 151.1#

41 175.2 62.8 94.2#

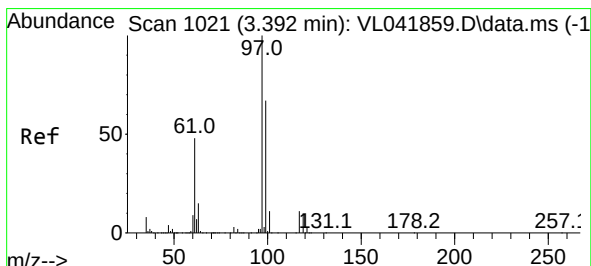
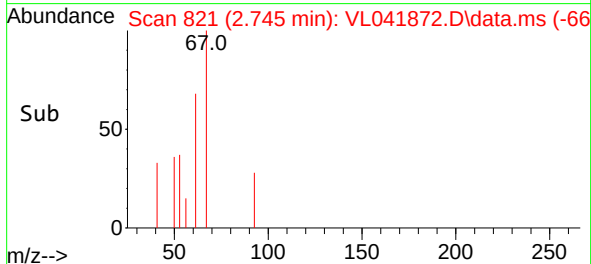
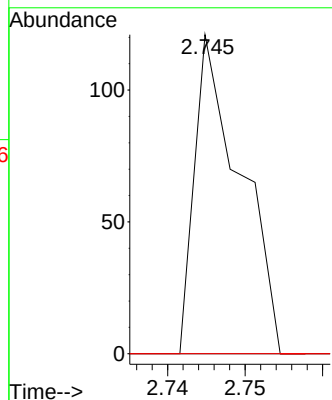
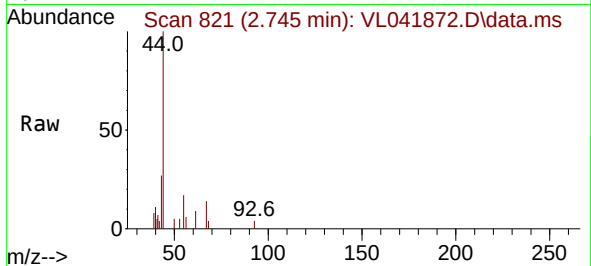




#31
 cis-1,2-Dichloroethene
 Concen: 0.002 ppbv
 RT: 2.745 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

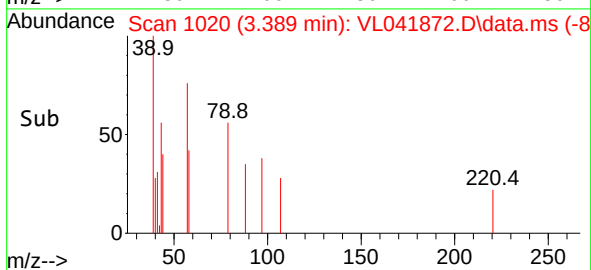
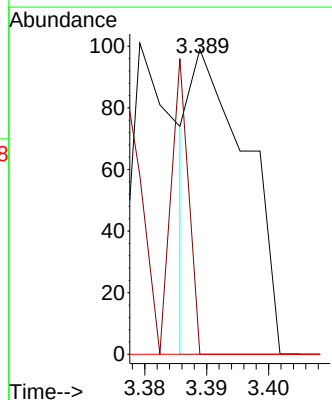
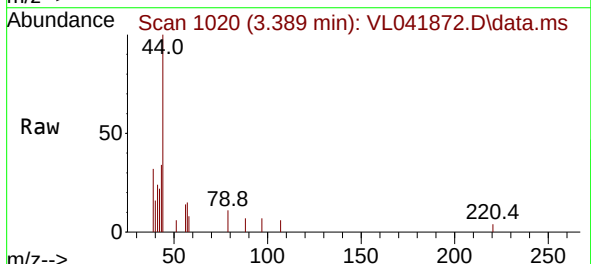
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

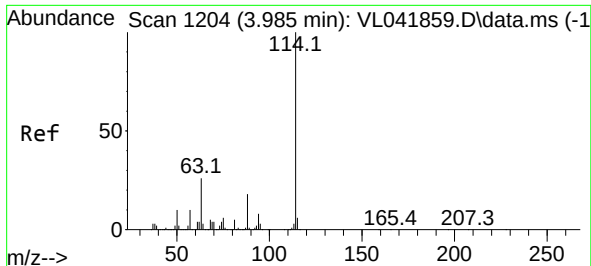
Tgt Ion:	61	Resp:	50
Ion	Ratio	Lower	Upper
61	100		
96	0.0	53.2	79.8#
98	0.0	32.5	48.7#



#32
 1,1,1-Trichloroethane
 Concen: 0.002 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. -0.003 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Tgt Ion:	97	Resp:	61
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.0	78.0#
61	0.0	38.8	58.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

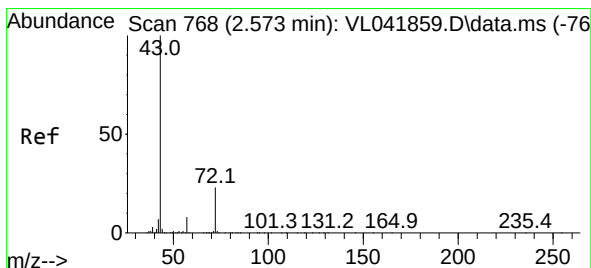
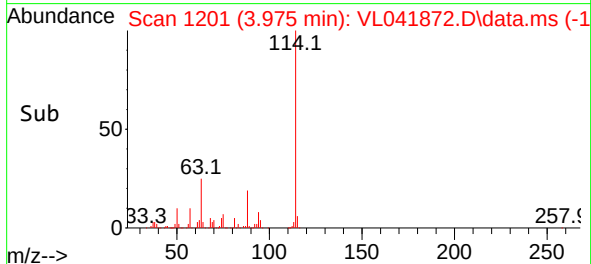
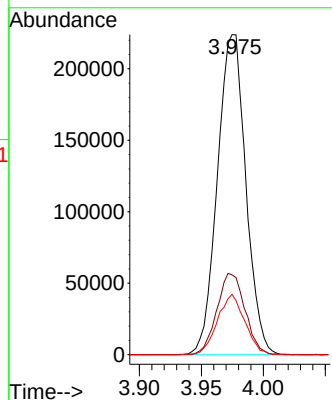
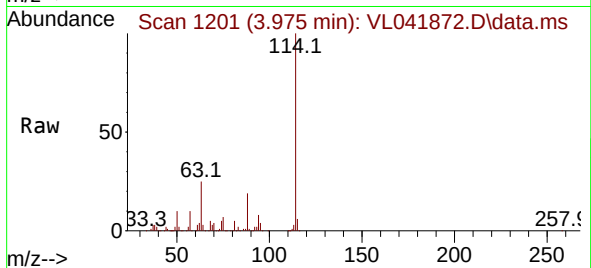
Tgt Ion:114 Resp: 358497

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 18.1 14.6 21.8



#34

2-Butanone

Concen: 0.156 ppbv

RT: 2.573 min Scan# 768

Delta R.T. -0.000 min

Lab File: VL041872.D

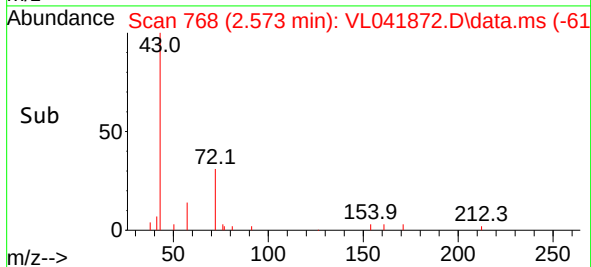
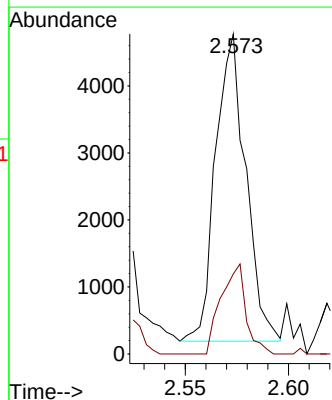
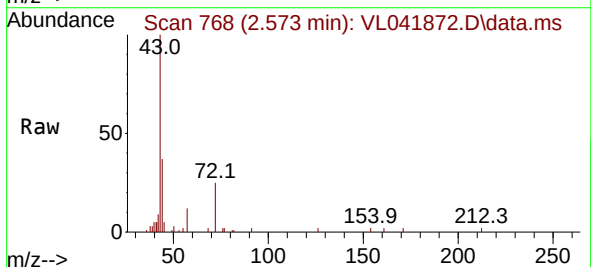
Acq: 09 Jan 2025 18:37

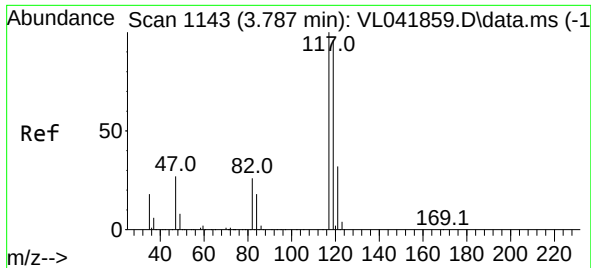
Tgt Ion: 43 Resp: 4652

Ion Ratio Lower Upper

43 100

72 24.2 18.5 27.7

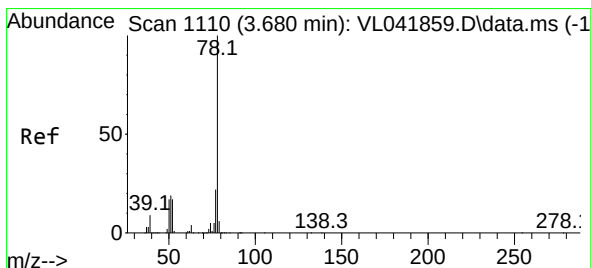
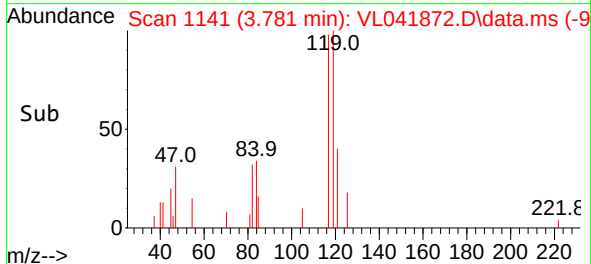
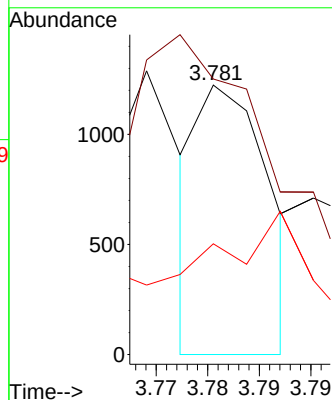
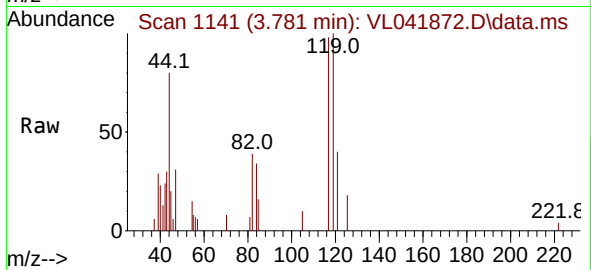




#35
Carbon Tetrachloride
Concen: 0.021 ppbv
RT: 3.781 min Scan# 1141
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

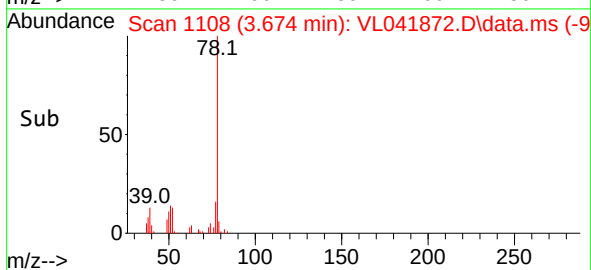
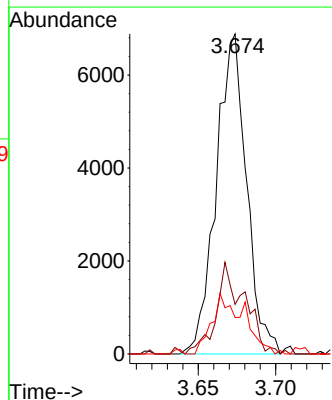
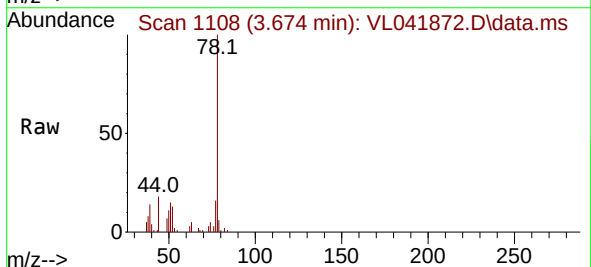
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

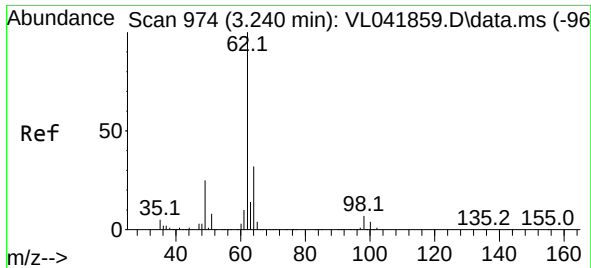
Tgt Ion:117 Resp: 577
Ion Ratio Lower Upper
117 100
119 87.7 76.9 115.3
121 23.8 25.9 38.9#



#36
Benzene
Concen: 0.225 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 78 Resp: 9375
Ion Ratio Lower Upper
78 100
77 15.5 17.9 26.9#
50 10.3 13.7 20.5#

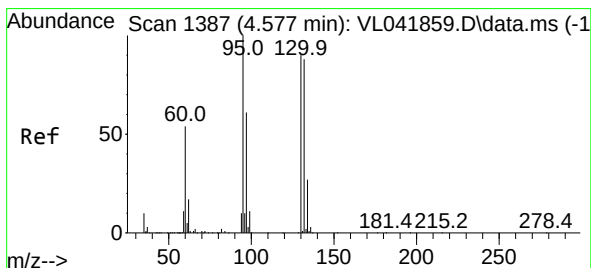
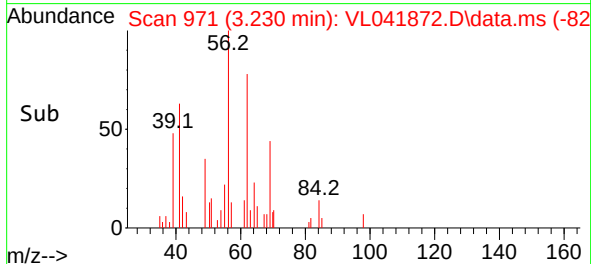
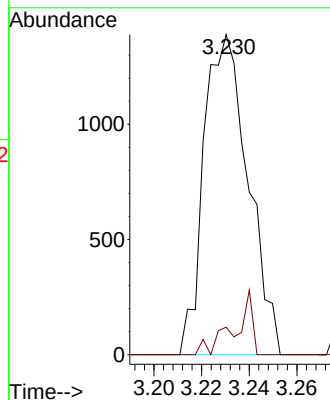
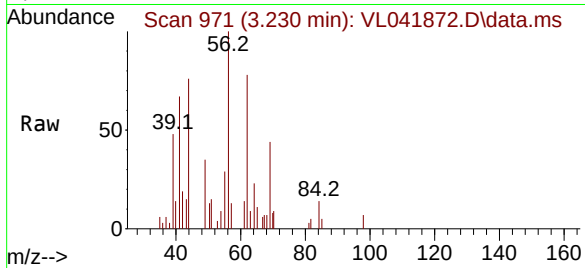




#37
1,2-Dichloroethane
Concen: 0.082 ppbv
RT: 3.230 min Scan# 91
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

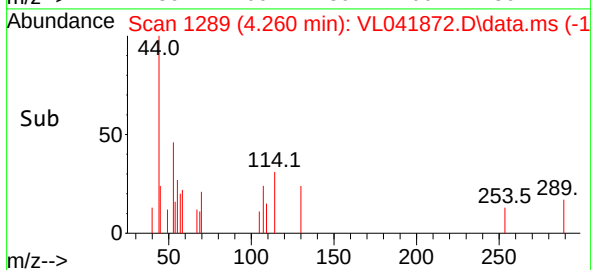
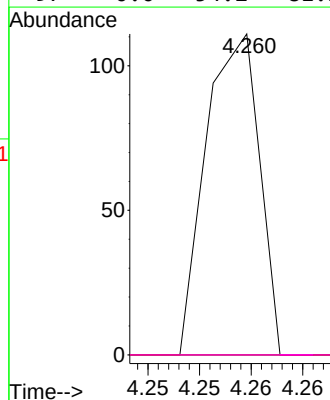
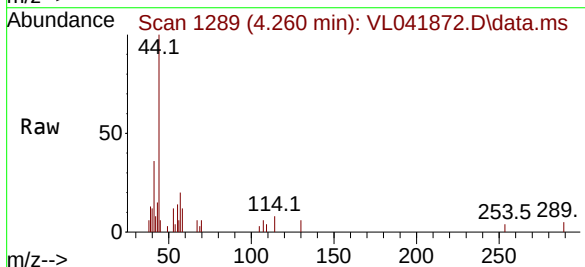
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

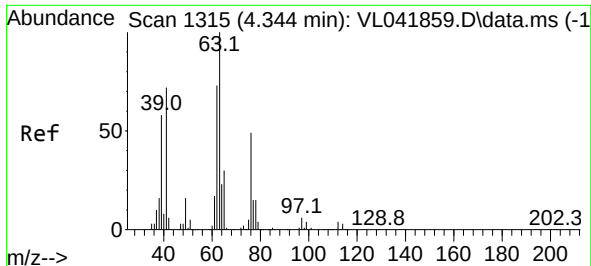
Tgt Ion: 62 Resp: 1792
Ion Ratio Lower Upper
62 100
98 8.0 5.6 8.4



#38
Trichloroethene
Concen: 0.002 ppbv
RT: 4.260 min Scan# 1289
Delta R.T. -0.317 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion:130 Resp: 40
Ion Ratio Lower Upper
130 100
95 0.0 88.5 132.7#
132 0.0 78.2 117.2#
97 0.0 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 6.068 ppbv

RT: 3.971 min Scan# 11

Delta R.T. -0.372 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

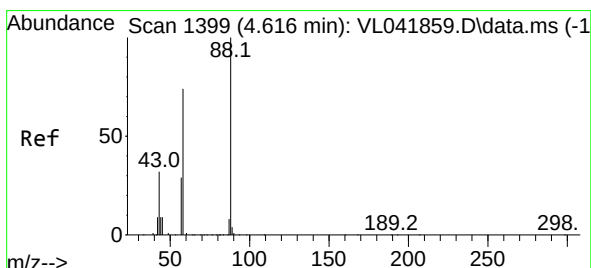
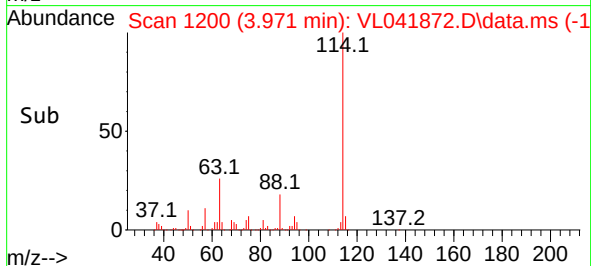
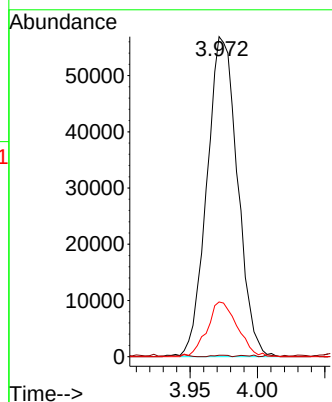
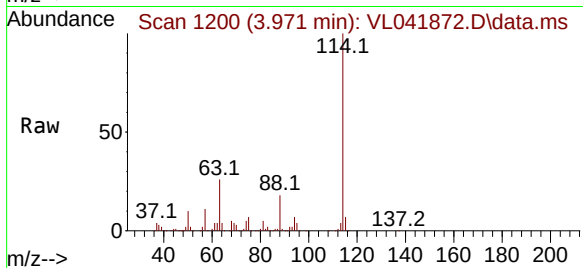
Tgt Ion: 63 Resp: 89780

Ion Ratio Lower Upper

63 100

41 0.3 58.0 87.0#

62 17.1 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. -0.013 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Tgt Ion: 88 Resp: 23

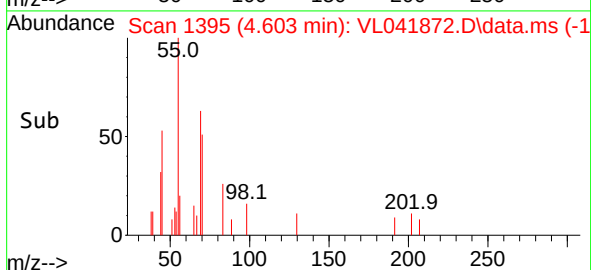
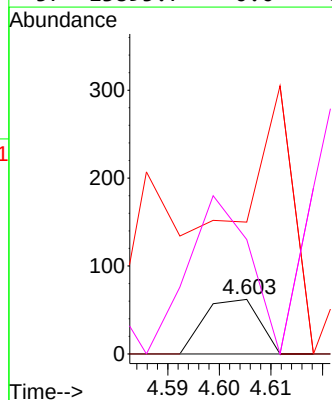
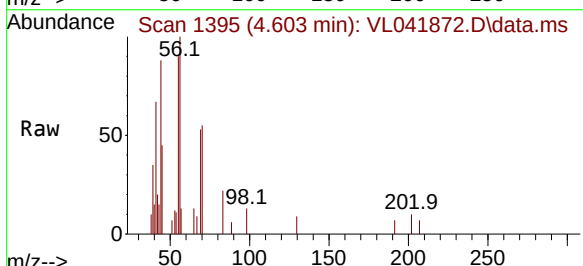
Ion Ratio Lower Upper

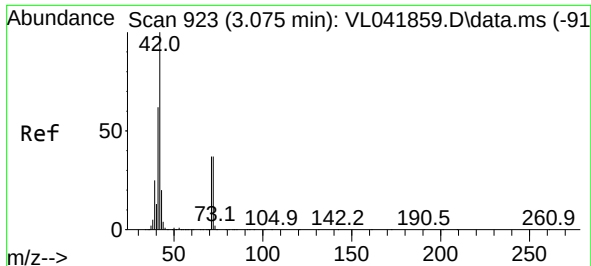
88 100

58 626.1 52.2 78.4#

43 4939.1 0.0 0.0#

57 13895.7 0.0 0.0#

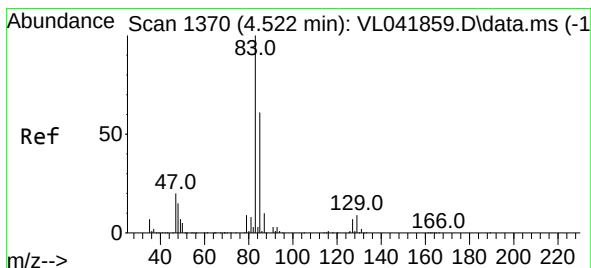
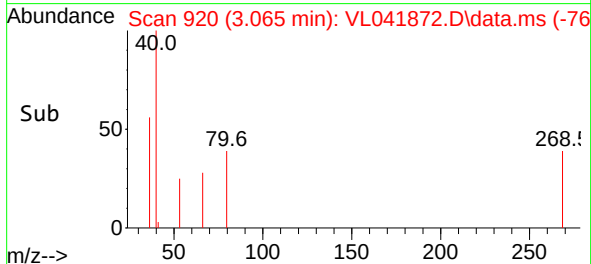
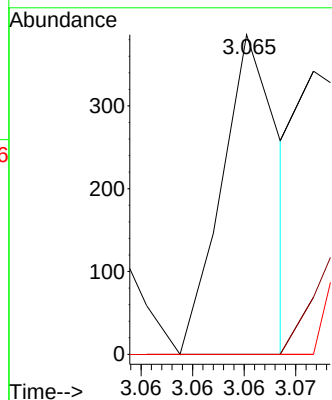
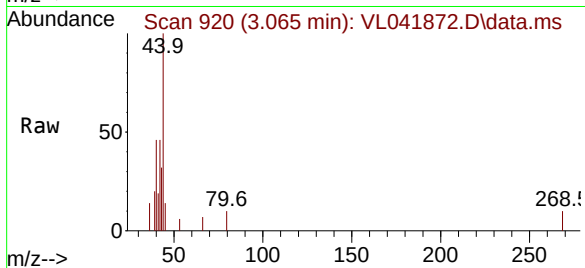




#41
Tetrahydrofuran
Concen: 0.009 ppbv
RT: 3.065 min Scan# 91
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

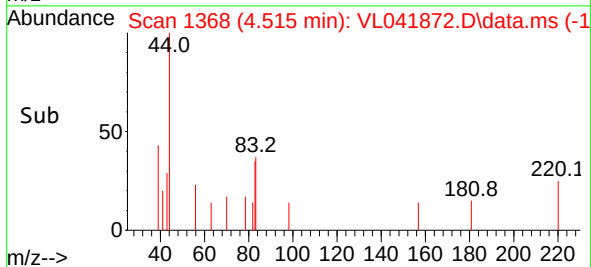
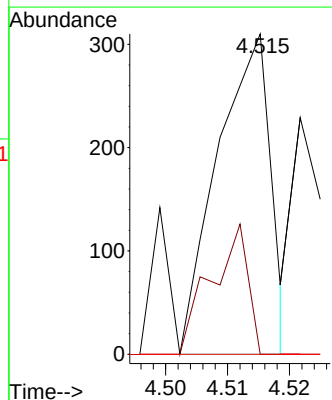
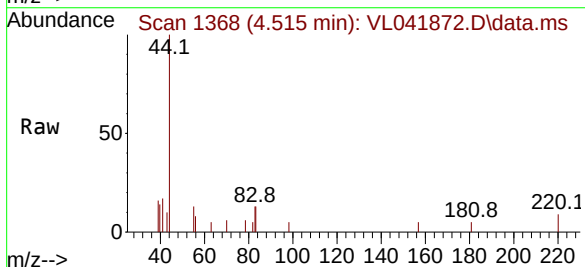
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

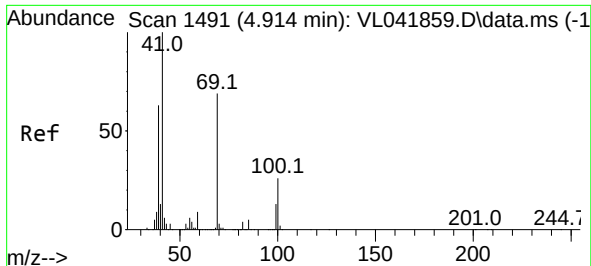
Tgt Ion: 42 Resp: 154
Ion Ratio Lower Upper
42 100
72 0.0 30.8 46.2#
71 0.0 30.1 45.1#



#42
Bromodichloromethane
Concen: 0.006 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 83 Resp: 186
Ion Ratio Lower Upper
83 100
85 0.0 48.9 73.3#
127 0.0 5.4 8.2#

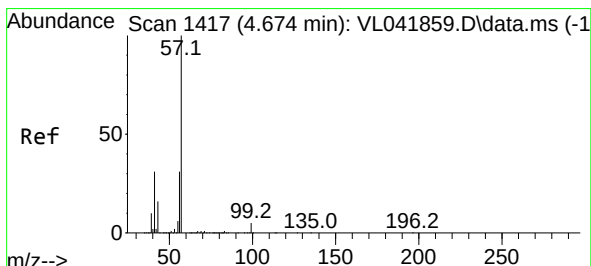
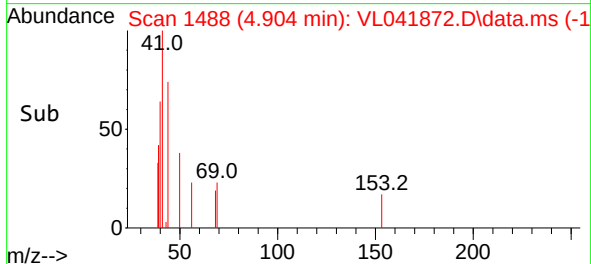
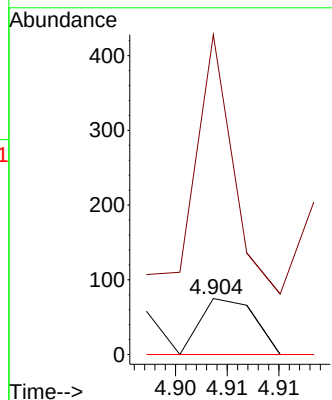
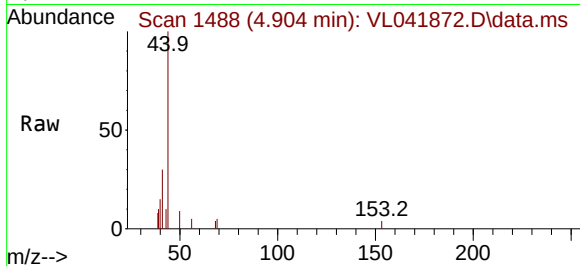




#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.904 min Scan# 1411
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

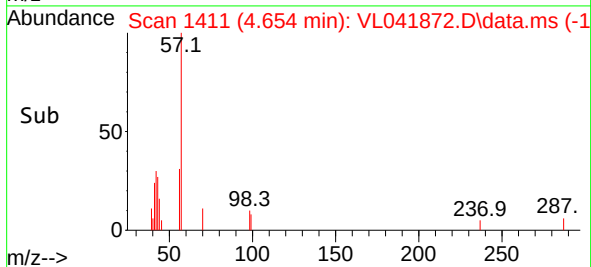
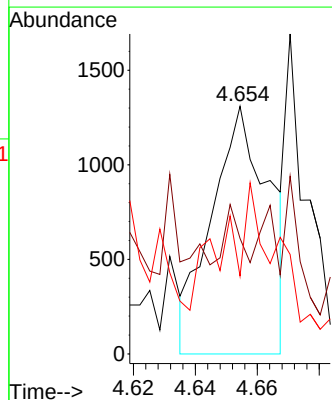
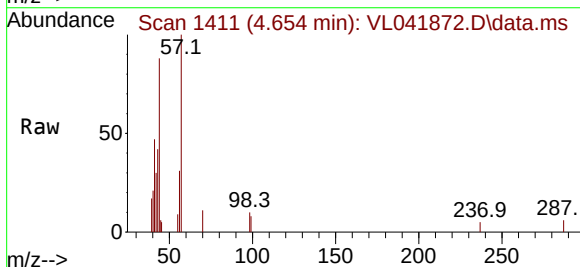
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

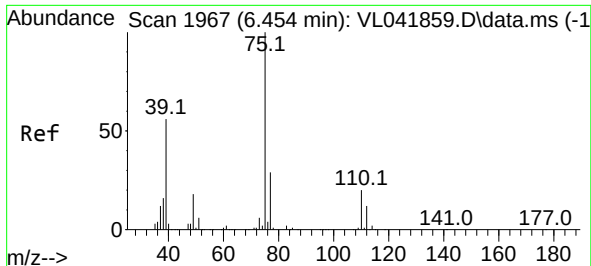
Tgt Ion: 69 Resp: 27
Ion Ratio Lower Upper
69 100
41 0.0 116.2 174.4#
100 0.0 29.8 44.8#



#44
2,2,4-Trimethylpentane
Concen: 0.024 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. -0.020 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 57 Resp: 1673
Ion Ratio Lower Upper
57 100
41 0.0 25.5 38.3#
56 86.4 25.6 38.4#





#45

t-1,3-Dichloropropene

Concen: 0.002 ppbv

RT: 6.587 min Scan# 20

Delta R.T. 0.133 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

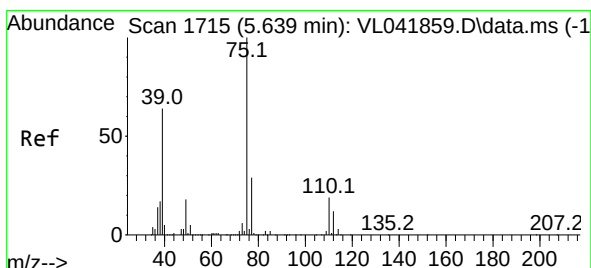
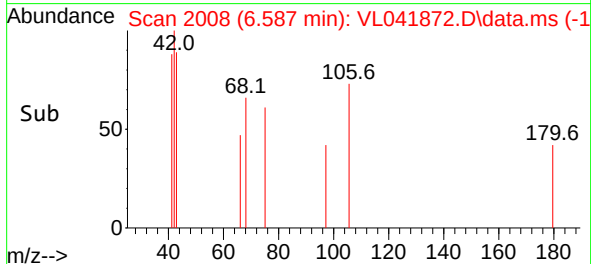
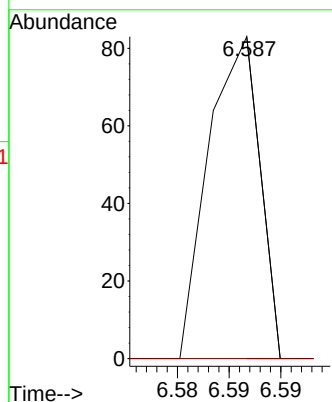
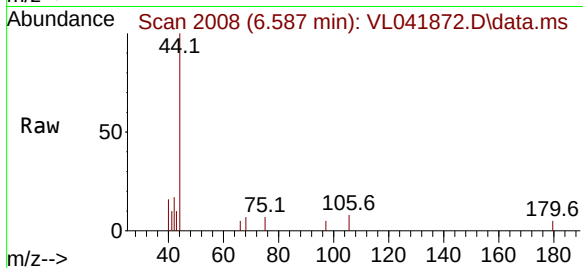
INDOOR

Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

77 0.0 23.4 35.2#



#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 5.612 min Scan# 1707

Delta R.T. -0.026 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

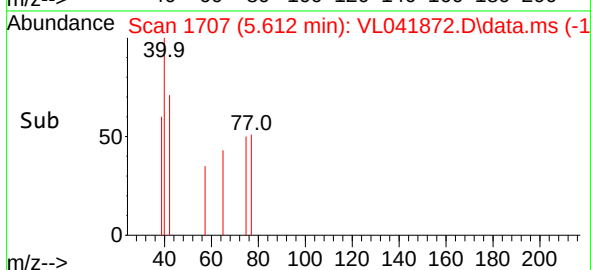
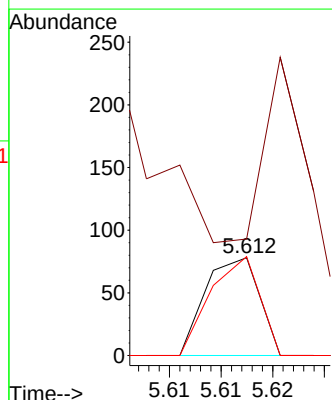
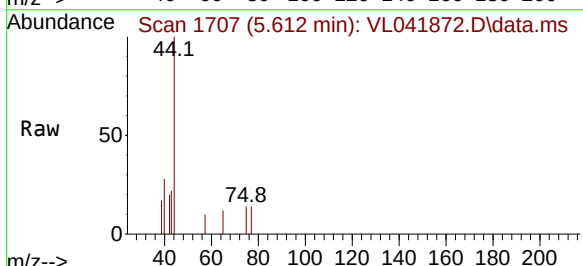
Tgt Ion: 75 Resp: 28

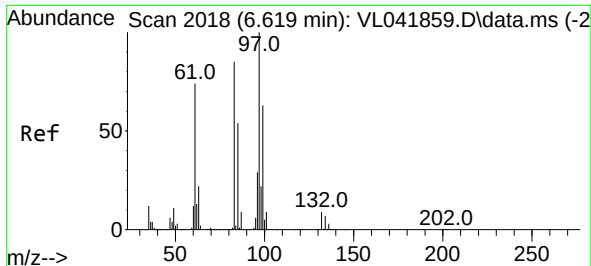
Ion Ratio Lower Upper

75 100

39 0.0 51.4 77.2#

77 101.3 23.0 34.4#





#47

1,1,2-Trichloroethane

Concen: 0.002 ppbv

RT: 6.590 min Scan# 2018

Delta R.T. -0.029 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

Tgt Ion: 97 Resp: 27

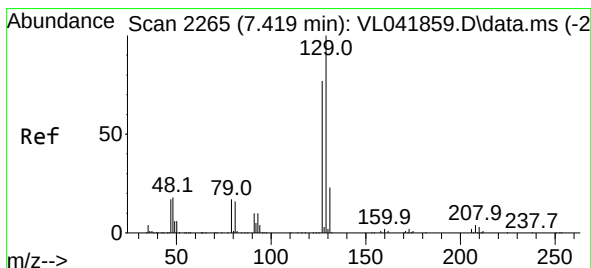
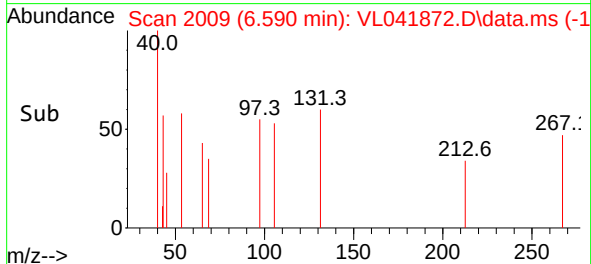
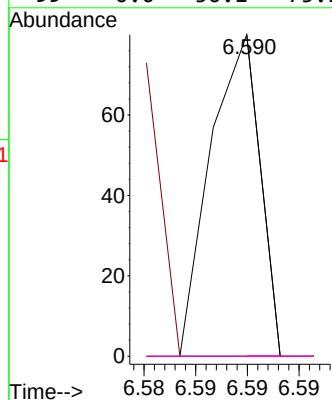
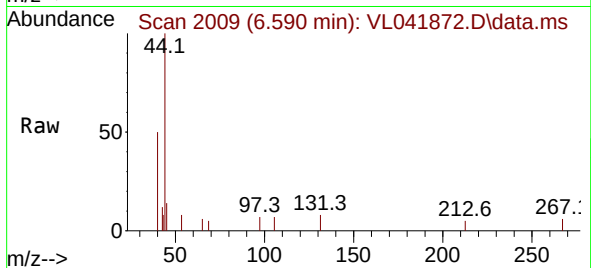
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 43.4 65.2#

99 0.0 50.1 75.1#



#48

Dibromochloromethane

Concen: 0.002 ppbv

RT: 7.406 min Scan# 2261

Delta R.T. -0.013 min

Lab File: VL041872.D

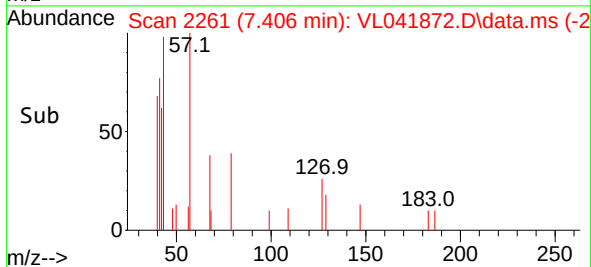
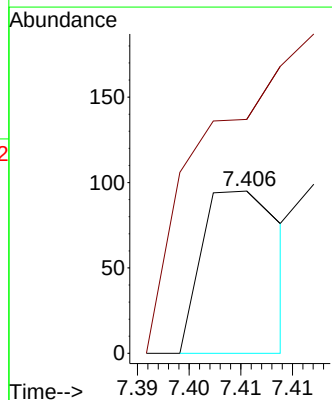
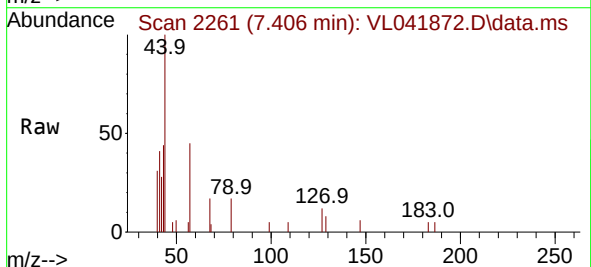
Acq: 09 Jan 2025 18:37

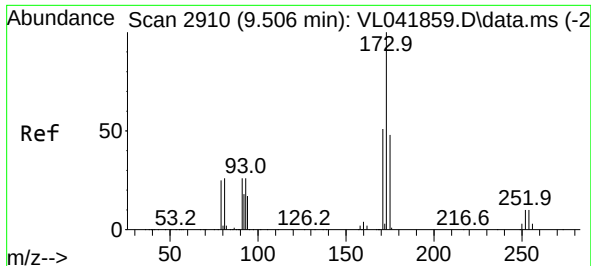
Tgt Ion: 129 Resp: 51

Ion Ratio Lower Upper

129 100

127 0.0 39.4 118.1#

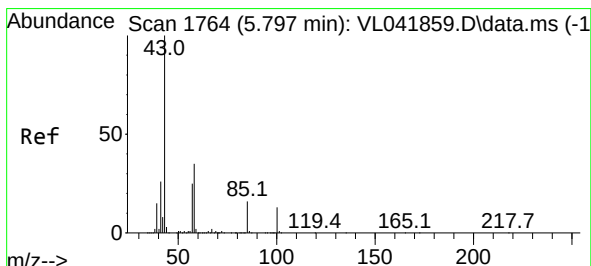
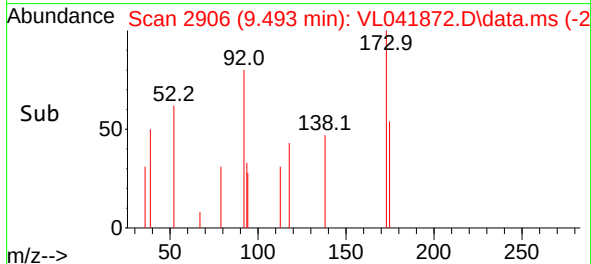
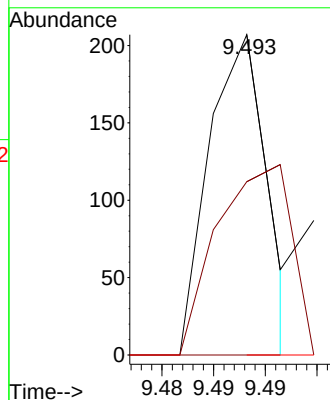
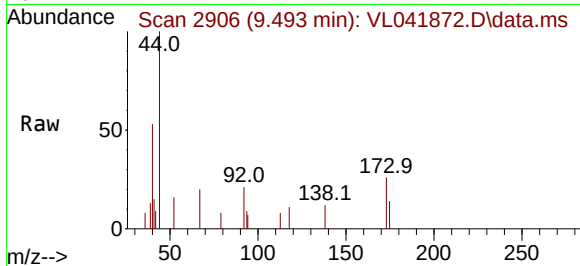




#49
Bromoform
Concen: 0.004 ppbv
RT: 9.493 min Scan# 2910
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

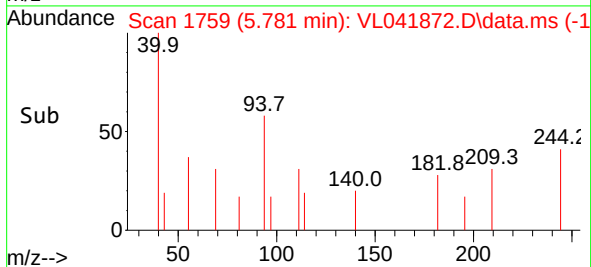
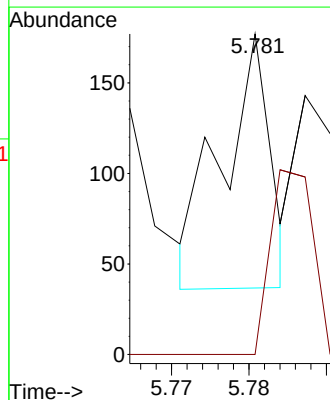
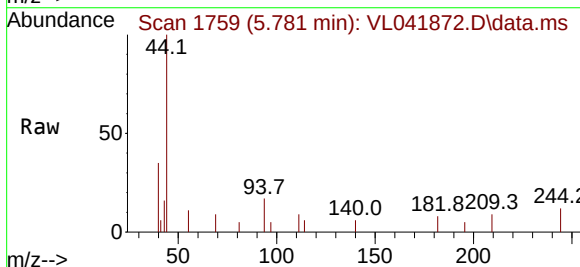
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

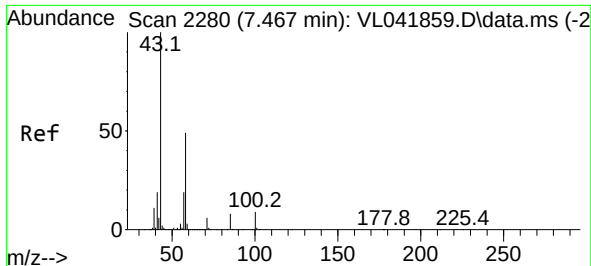
Tgt Ion:173 Resp: 81
Ion Ratio Lower Upper
173 100
175 75.3 38.2 57.2#
171 0.0 41.3 61.9#



#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 5.781 min Scan# 1759
Delta R.T. -0.016 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 111.5 29.4 44.2#

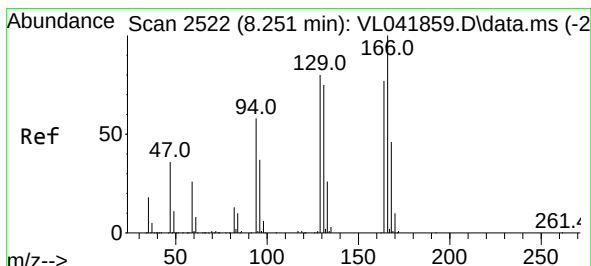
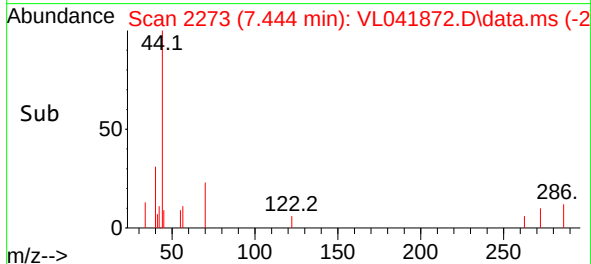
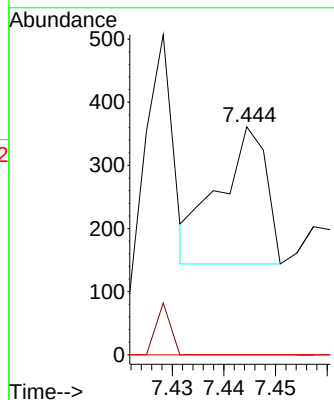
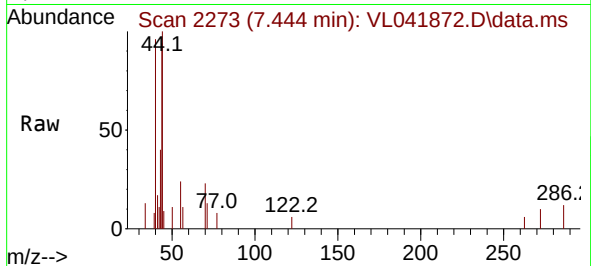




#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.444 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

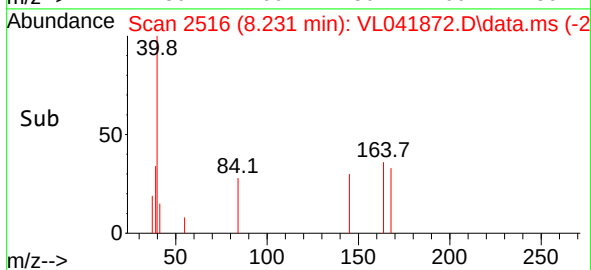
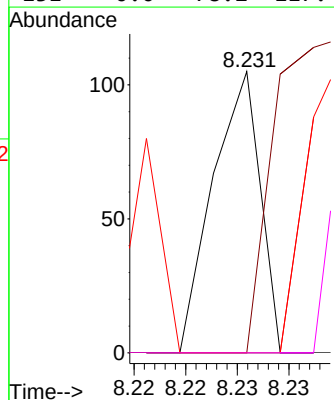
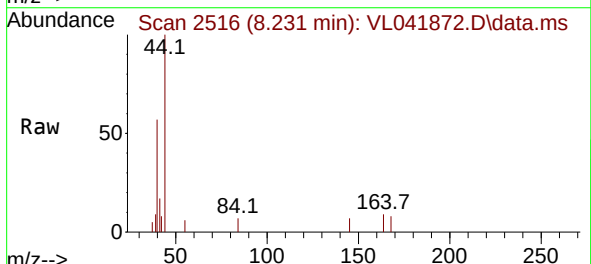
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

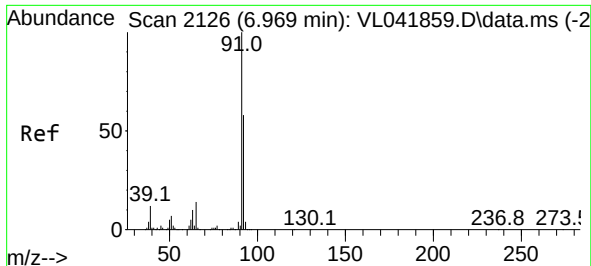
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.002 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.020 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 164 Resp: 33
Ion Ratio Lower Upper
164 100
166 0.0 103.6 155.4#
129 0.0 82.6 123.8#
131 0.0 78.2 117.4#

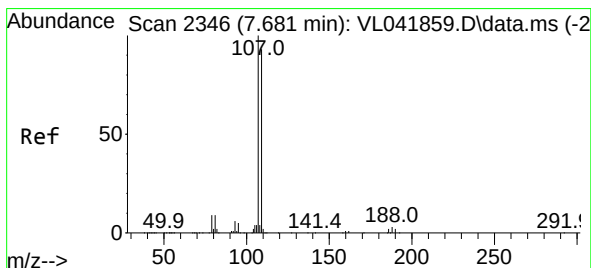
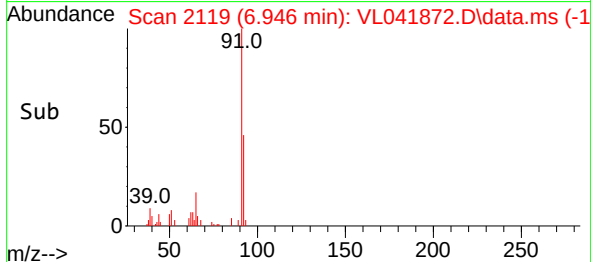
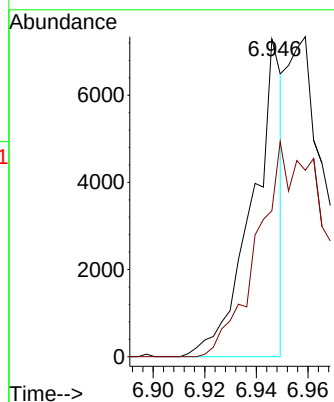
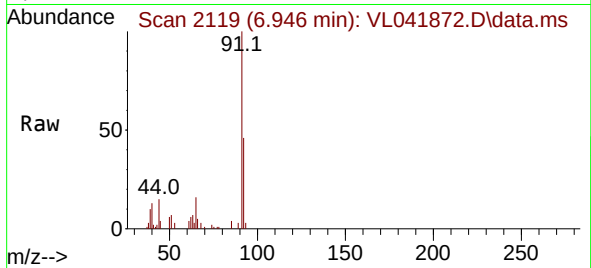




#53
Toluene
Concen: 0.118 ppbv
RT: 6.946 min Scan# 2119
Delta R.T. -0.023 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

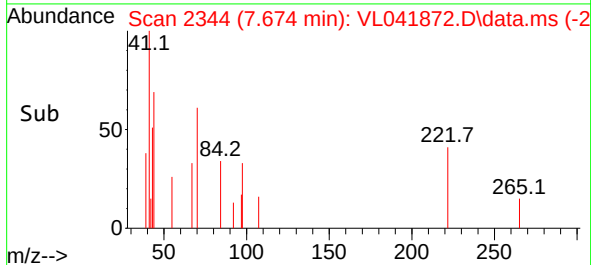
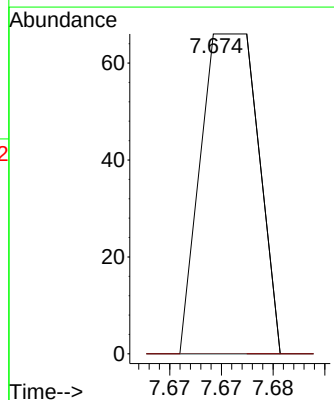
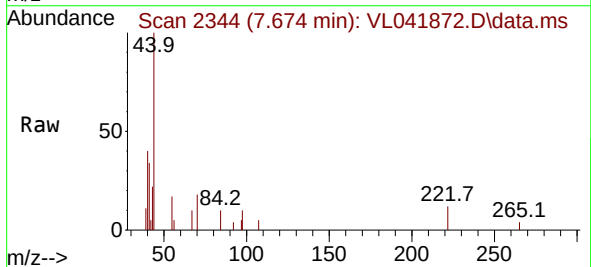
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

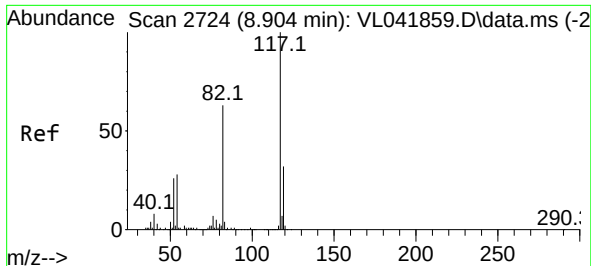
Tgt Ion: 91 Resp: 5818
Ion Ratio Lower Upper
91 100
92 155.3 47.2 70.8#



#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 7.674 min Scan# 2344
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 107 Resp: 26
Ion Ratio Lower Upper
107 100
109 0.0 74.6 112.0#

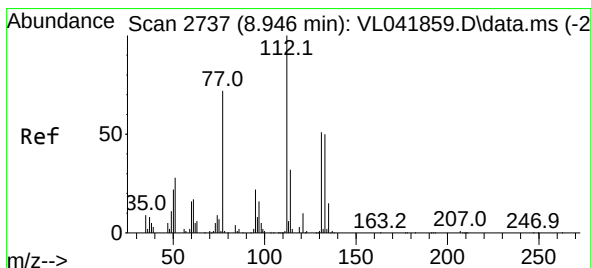
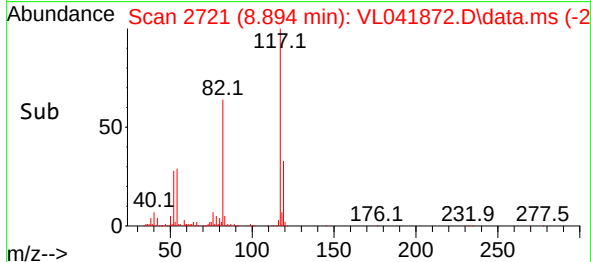
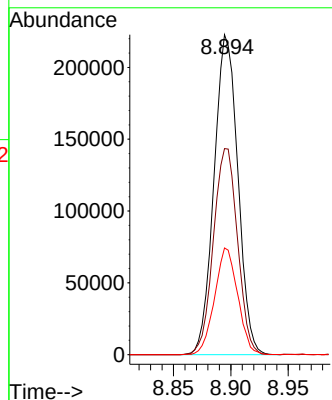
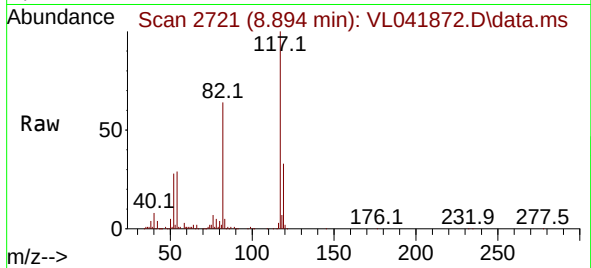




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

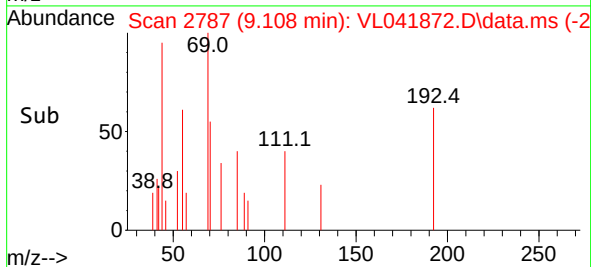
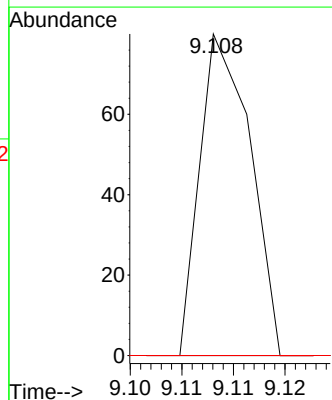
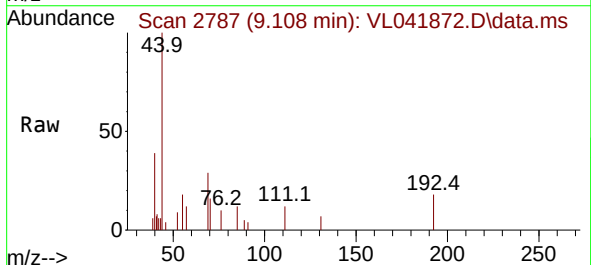
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

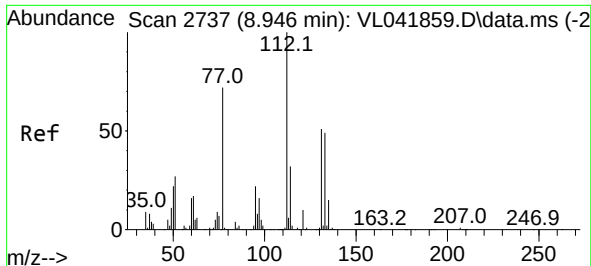
Tgt Ion:117 Resp: 322381
Ion Ratio Lower Upper
117 100
82 65.1 54.5 81.7
119 32.5 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 9.108 min Scan# 2787
Delta R.T. 0.162 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion:131 Resp: 27
Ion Ratio Lower Upper
131 100
133 4192.6 77.4 116.2#
119 386048.1 49.4 74.0#

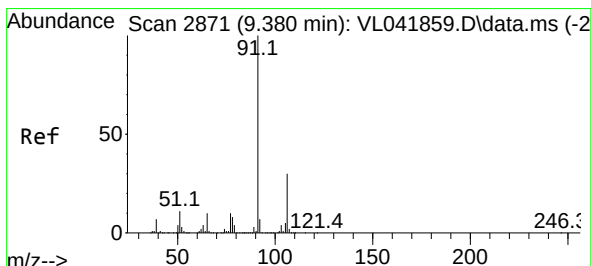
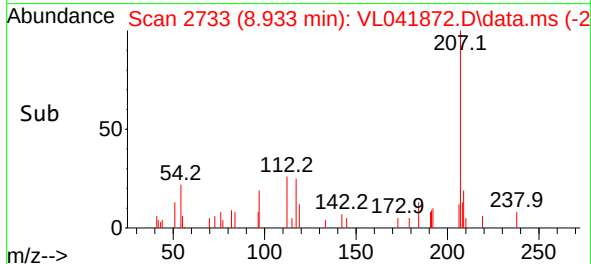
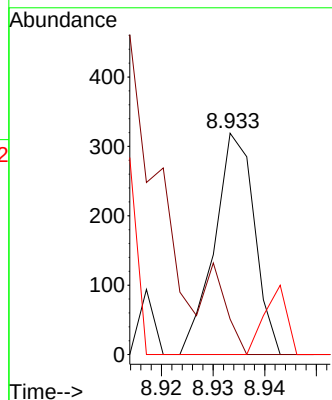
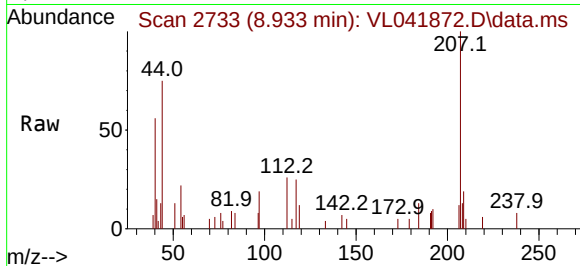




#57
Chlorobenzene
Concen: 0.005 ppbv
RT: 8.933 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

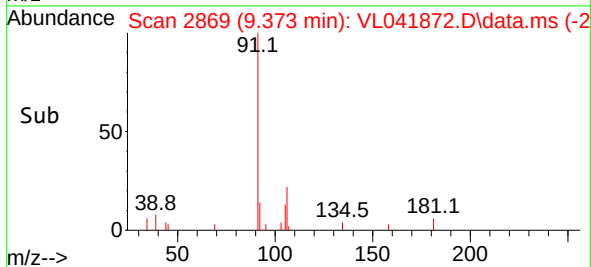
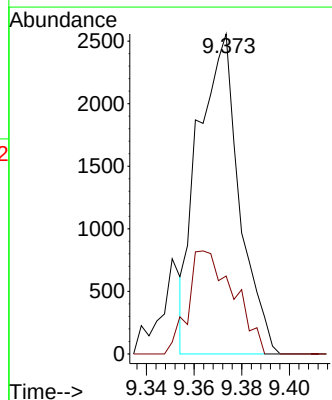
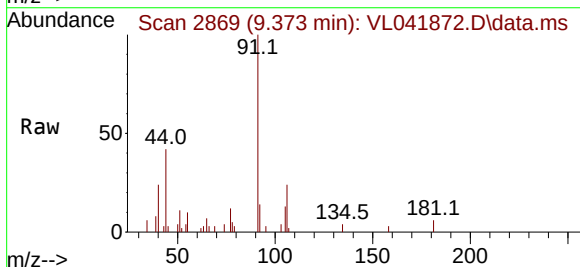
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

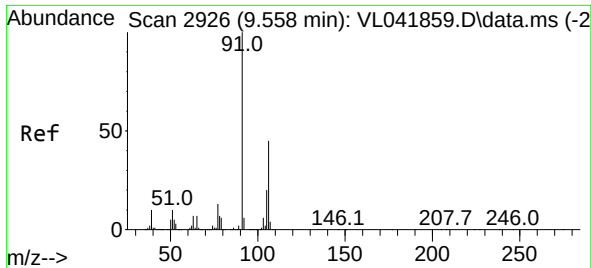
Tgt Ion:112 Resp: 172
Ion Ratio Lower Upper
112 100
77 16.0 58.3 87.5#
114 0.0 28.9 35.3#



#58
Ethyl Benzene
Concen: 0.046 ppbv
RT: 9.373 min Scan# 2869
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 91 Resp: 3068
Ion Ratio Lower Upper
91 100
106 24.3 24.2 36.2

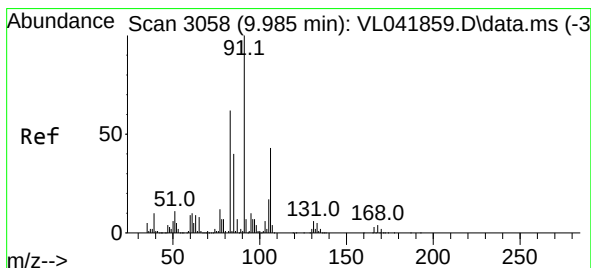
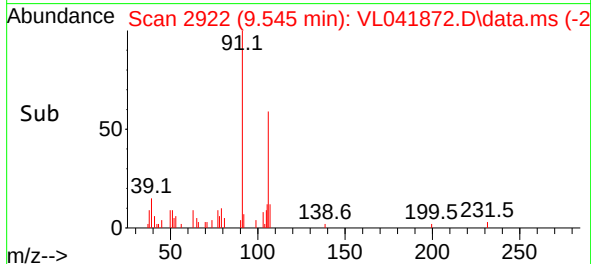
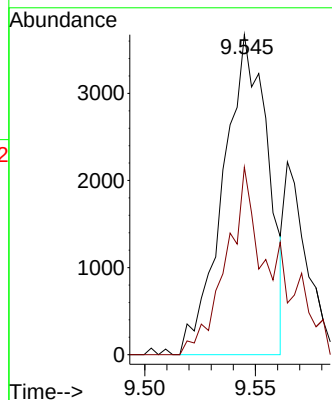
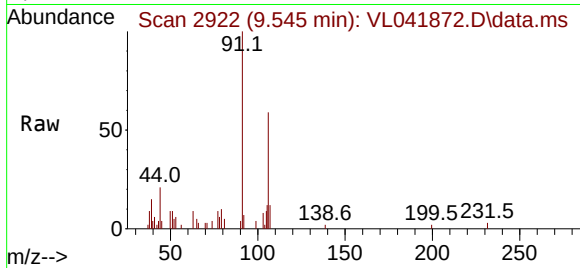




#59
m/p-Xylene
Concen: 0.099 ppbv
RT: 9.545 min Scan# 2926
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

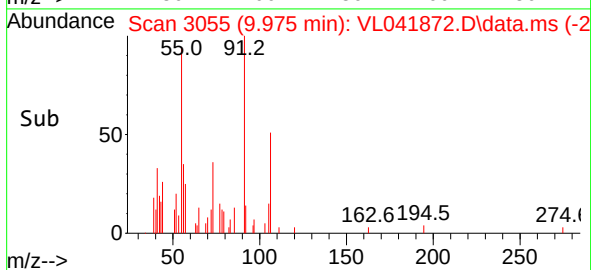
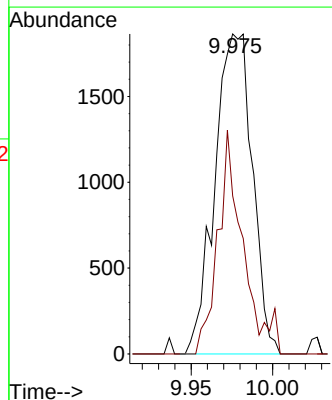
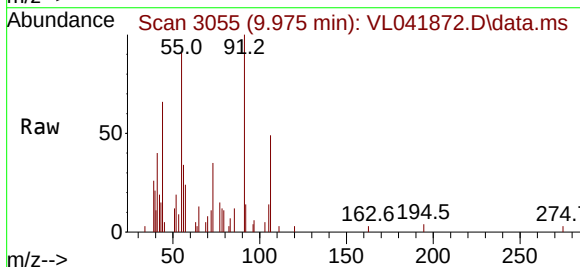
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

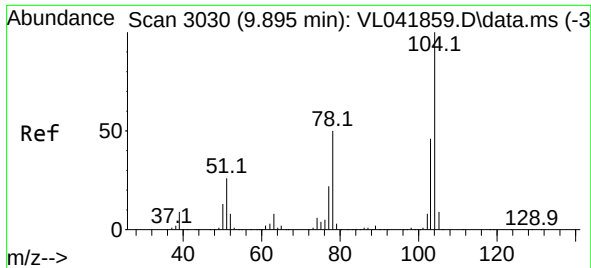
Tgt Ion: 91 Resp: 5167
Ion Ratio Lower Upper
91 100
106 63.4 0.0 0.0#



#60
o-Xylene
Concen: 0.057 ppbv
RT: 9.975 min Scan# 3055
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 91 Resp: 2991
Ion Ratio Lower Upper
91 100
106 46.3 21.4 64.3





#61

Styrene

Concen: 0.022 ppbv

RT: 9.885 min Scan# 3030

Delta R.T. -0.010 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

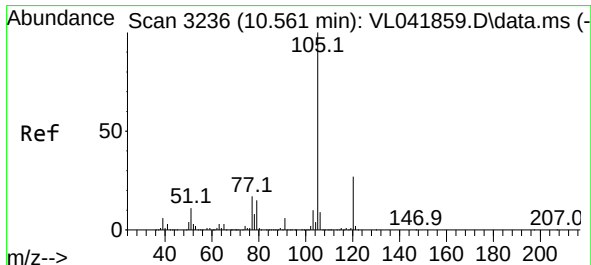
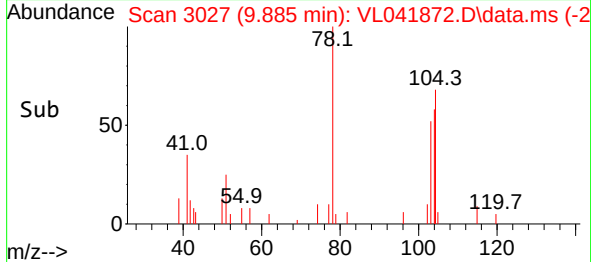
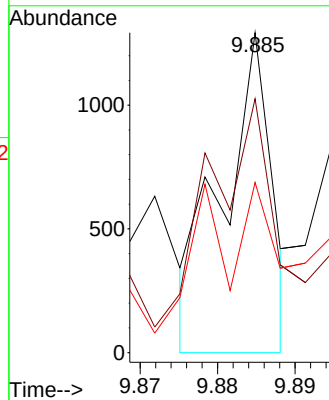
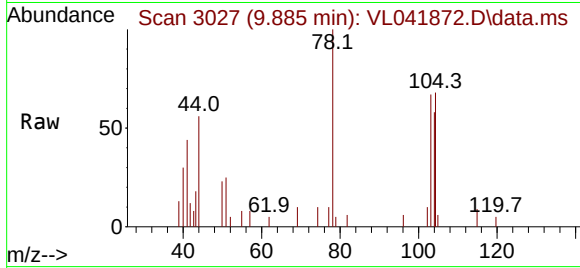
Tgt Ion:104 Resp: 570

Ion Ratio Lower Upper

104 100

78 166.1 40.7 61.1#

103 130.2 37.0 55.6#



#62

Isopropylbenzene

Concen: 0.010 ppbv

RT: 10.552 min Scan# 3233

Delta R.T. -0.010 min

Lab File: VL041872.D

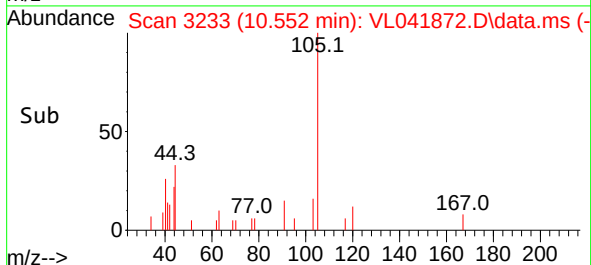
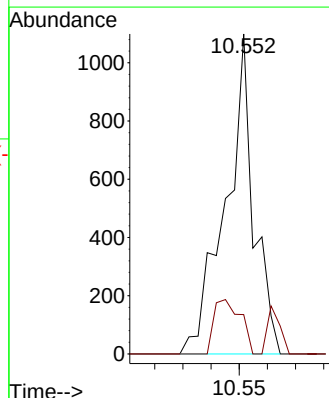
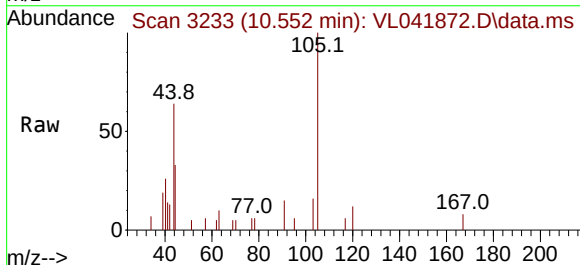
Acq: 09 Jan 2025 18:37

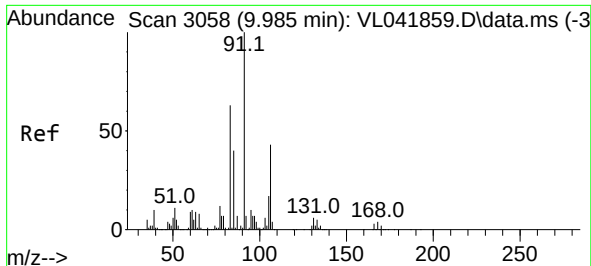
Tgt Ion:105 Resp: 757

Ion Ratio Lower Upper

105 100

120 23.0 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 9.975 min Scan# 3058

Delta R.T. -0.010 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

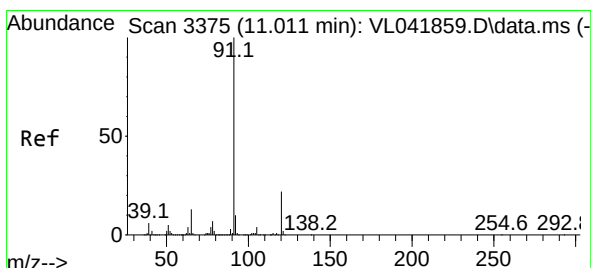
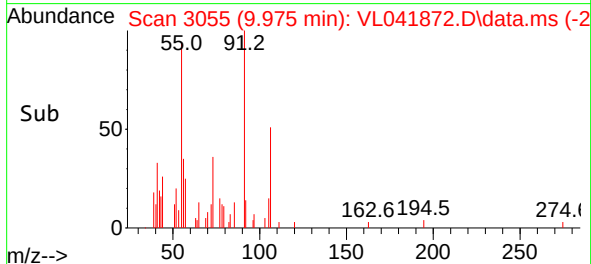
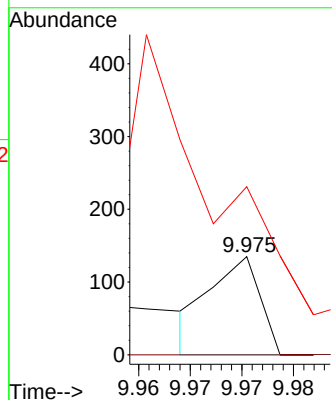
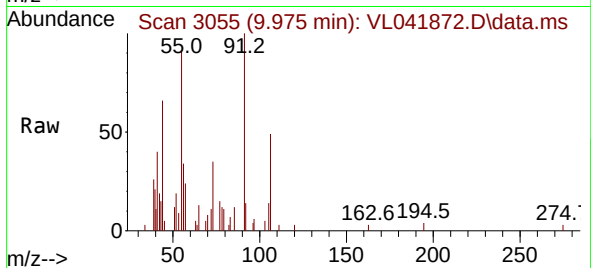
Instrument :

MSVOA_L

ClientSampleId :

INDOOR

Tgt Ion:	83	Resp:	44
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	32.1	96.3#



#64

n-propylbenzene

Concen: 0.001 ppbv

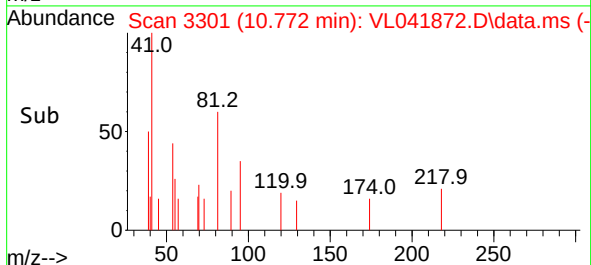
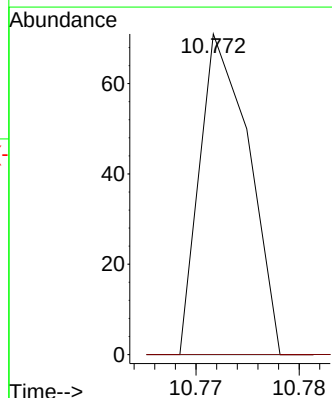
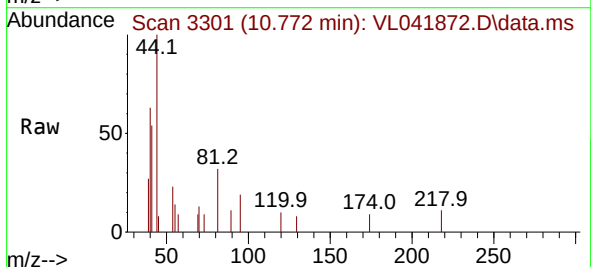
RT: 10.772 min Scan# 3301

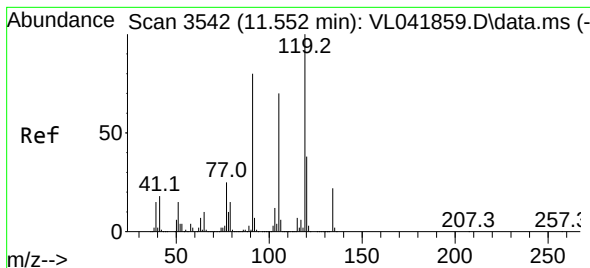
Delta R.T. -0.240 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Tgt Ion:	120	Resp:	24
Ion	Ratio	Lower	Upper
120	100		
91	429.2	376.9	565.3

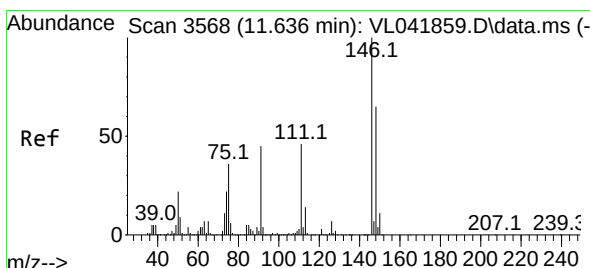
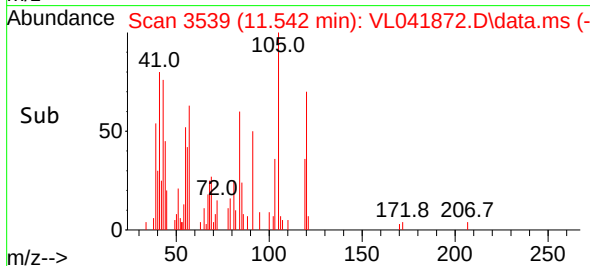
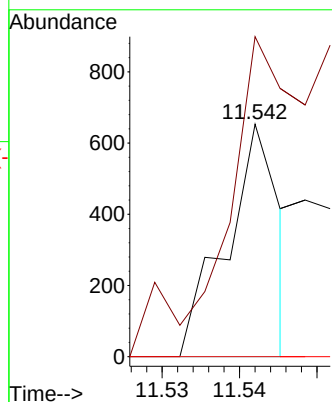
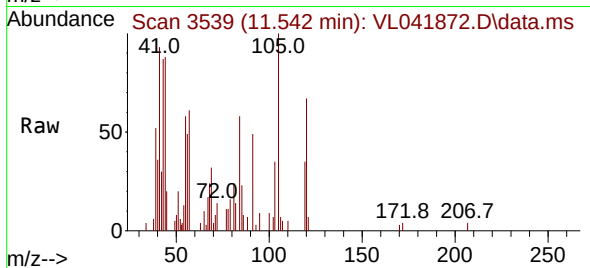




#65
tert-Butylbenzene
Concen: 0.004 ppbv
RT: 11.542 min Scan# 315
Delta R.T. -0.010 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

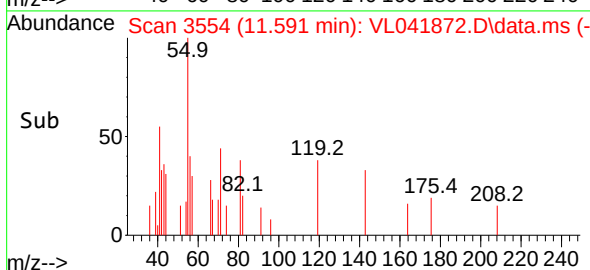
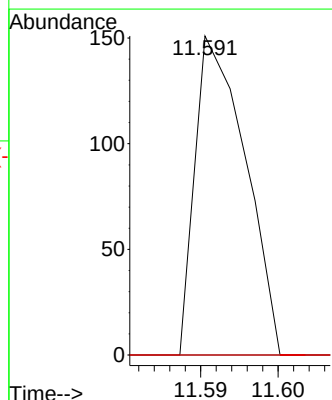
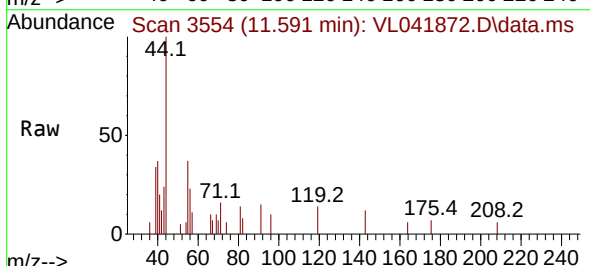
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

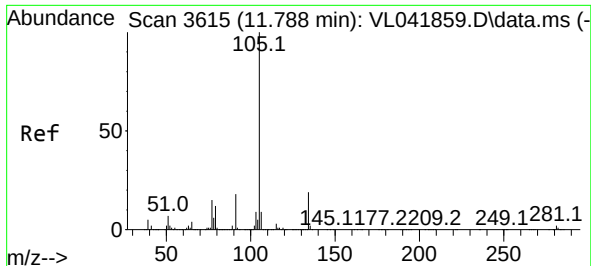
Tgt Ion:	119	Resp:	315
Ion	Ratio	Lower	Upper
119	100		
91	306.3	64.6	97.0#
134	0.0	16.9	25.3#



#66
Benzyl Chloride
Concen: 0.009 ppbv
RT: 11.591 min Scan# 3554
Delta R.T. -0.045 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion:	91	Resp:	68
Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.9	20.9#
128	0.0	4.8	7.2#

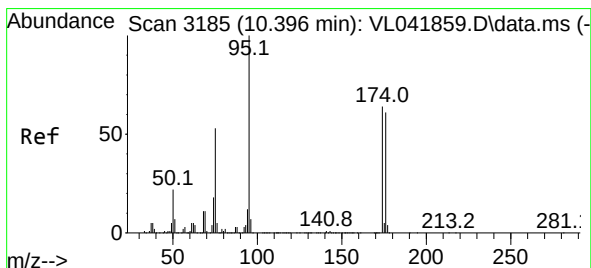
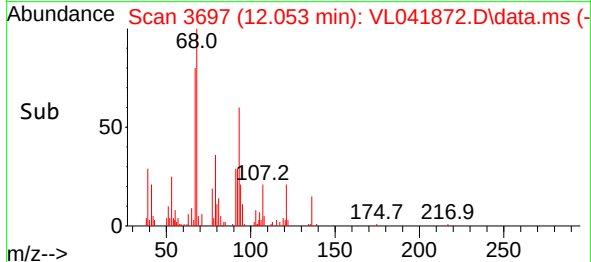
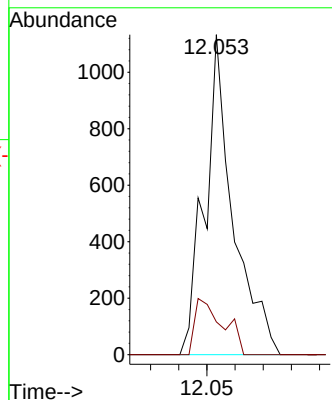
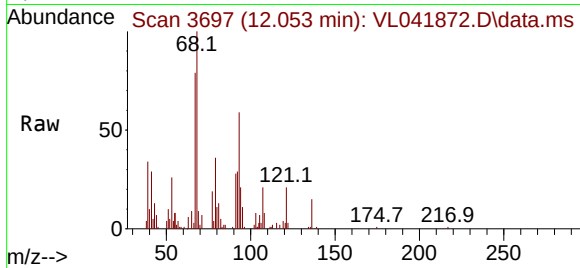




#67
 sec-Butylbenzene
 Concen: 0.008 ppbv
 RT: 12.053 min Scan# 3697
 Delta R.T. 0.265 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

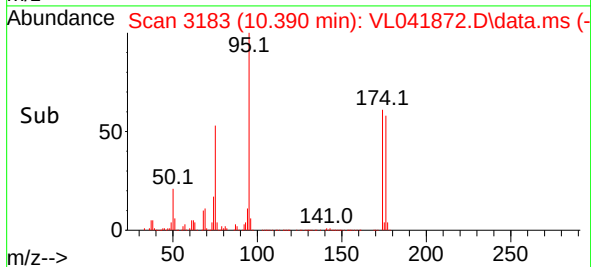
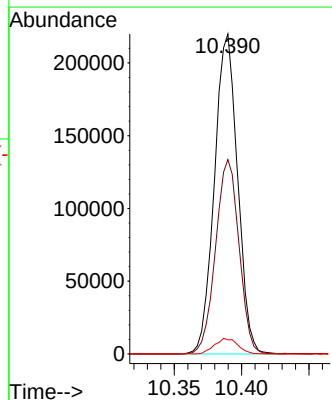
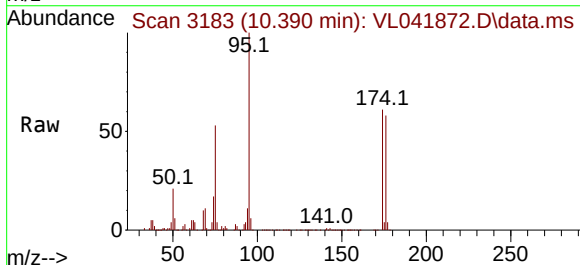
Instrument :
 MSVOA_L
 ClientSampleId :
 INDOOR

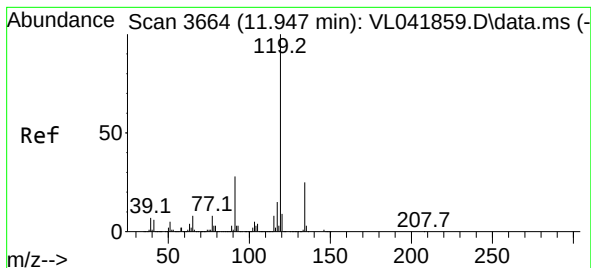
Tgt Ion:105 Resp: 791
 Ion Ratio Lower Upper
 105 100
 134 17.3 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.165 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.007 min
 Lab File: VL041872.D
 Acq: 09 Jan 2025 18:37

Tgt Ion: 95 Resp: 262755
 Ion Ratio Lower Upper
 95 100
 174 61.4 51.1 76.7
 175 5.0 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.016 ppbv

RT: 11.934 min Scan# 3

Delta R.T. -0.013 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

INDOOR

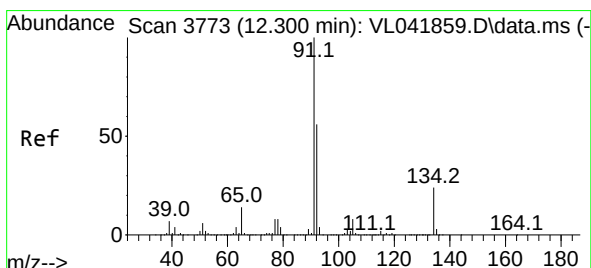
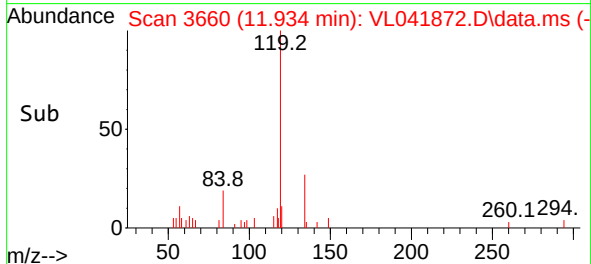
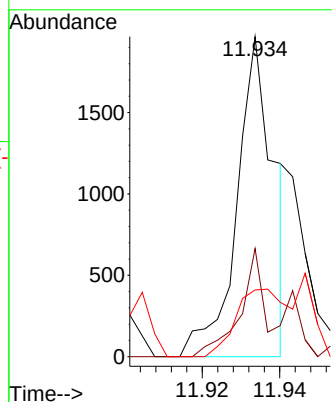
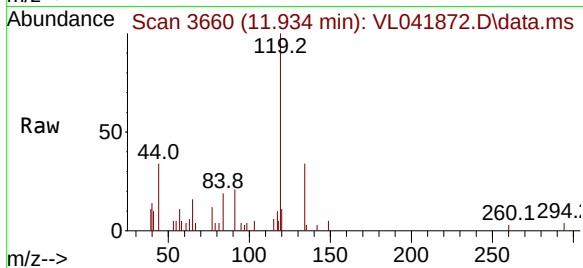
Tgt Ion:119 Resp: 1303

Ion Ratio Lower Upper

119 100

134 35.6 20.3 30.5#

91 40.5 22.6 34.0#



#70

n-Butylbenzene

Concen: 0.004 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. -0.007 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

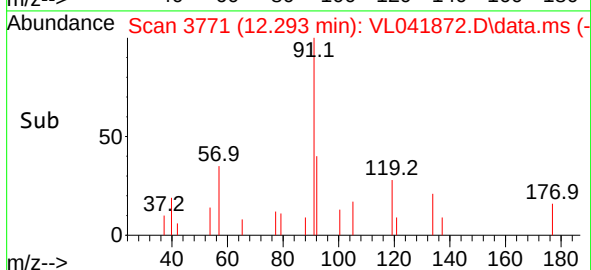
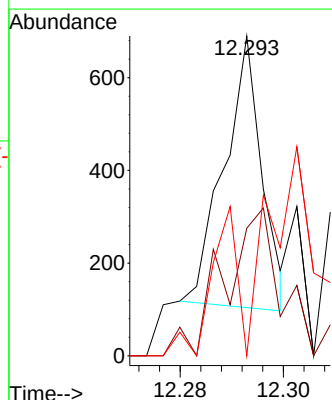
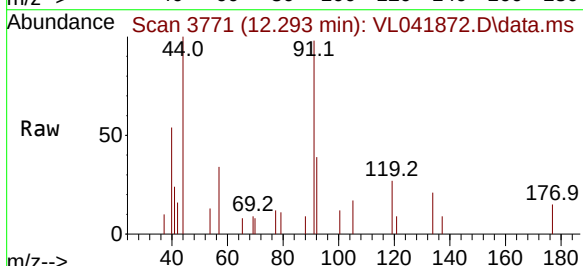
Tgt Ion: 91 Resp: 296

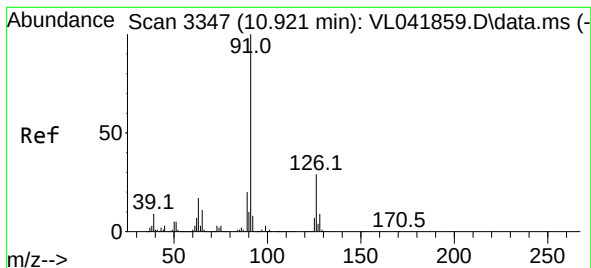
Ion Ratio Lower Upper

91 100

92 88.9 43.8 65.8#

134 0.0 19.3 28.9#

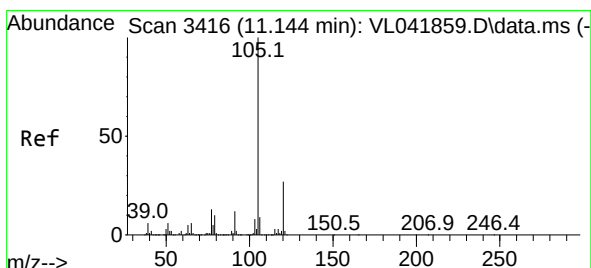
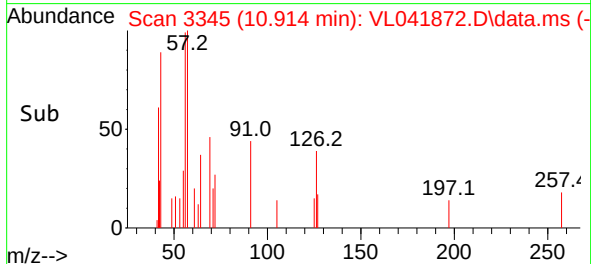
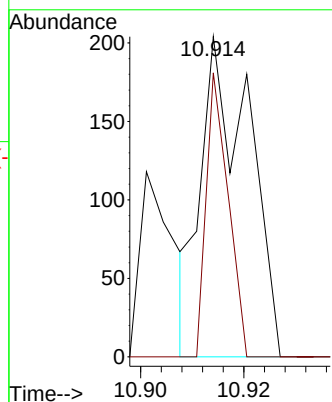
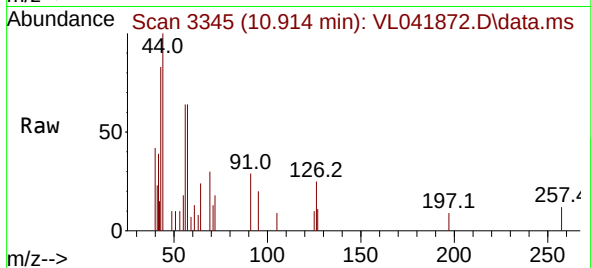




#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 10.914 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

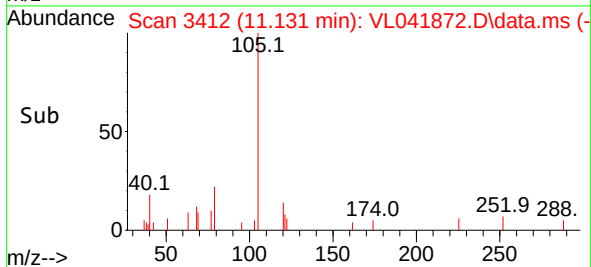
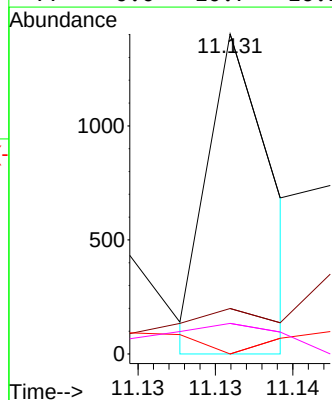
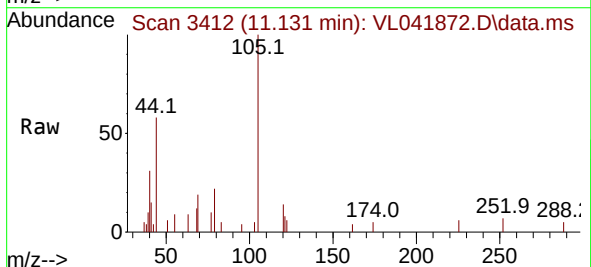
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

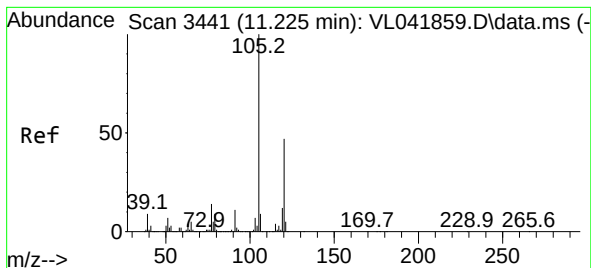
Tgt Ion: 91 Resp: 130
Ion Ratio Lower Upper
91 100
126 40.8 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.006 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.013 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion: 105 Resp: 406
Ion Ratio Lower Upper
105 100
120 0.0 23.5 35.3#
91 0.0 9.8 14.8#
77 0.0 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.015 ppbv

RT: 11.215 min Scan# 3441

Delta R.T. -0.010 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

ClientSampleId :

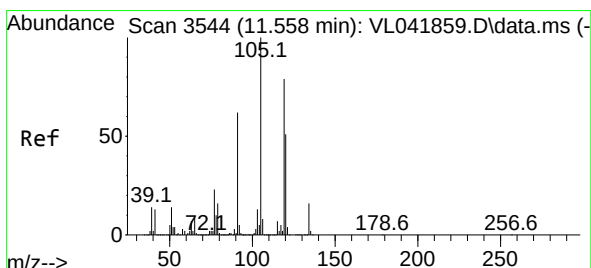
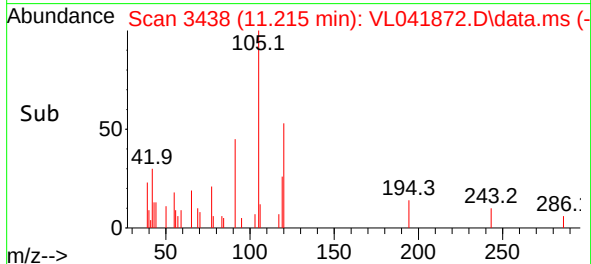
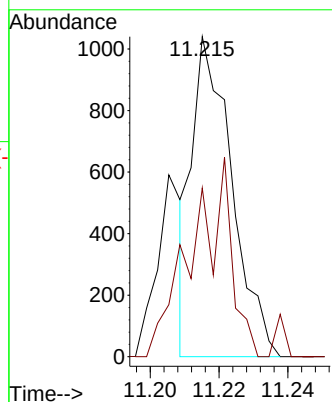
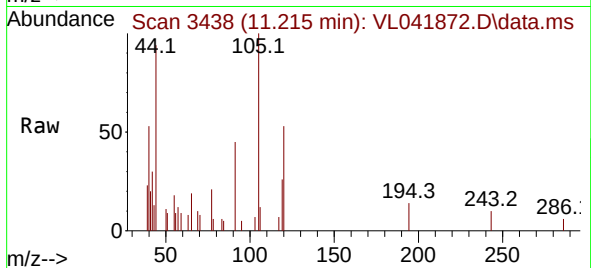
INDOOR

Tgt Ion:105 Resp: 832

Ion Ratio Lower Upper

105 100

120 39.4 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 0.059 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. -0.010 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Tgt Ion:105 Resp: 3461

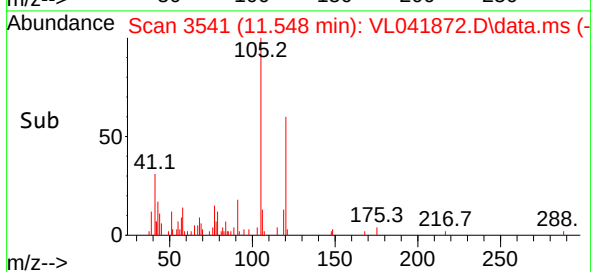
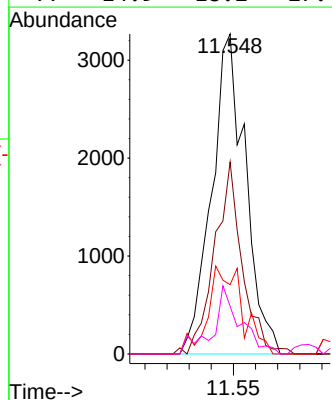
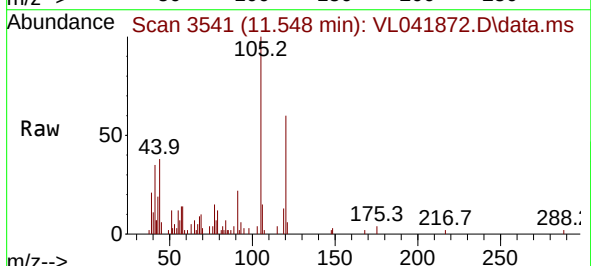
Ion Ratio Lower Upper

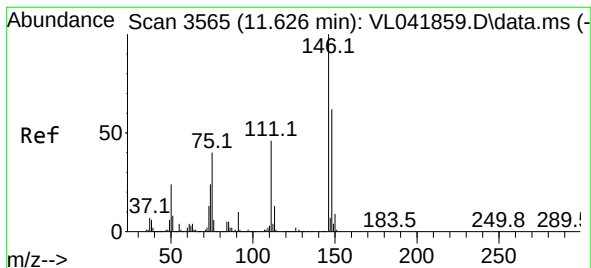
105 100

120 58.3 41.1 61.7

91 21.6 50.0 75.0#

77 14.9 18.2 27.4#





#75

1,3-Dichlorobenzene

Concen: 0.002 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. -0.003 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

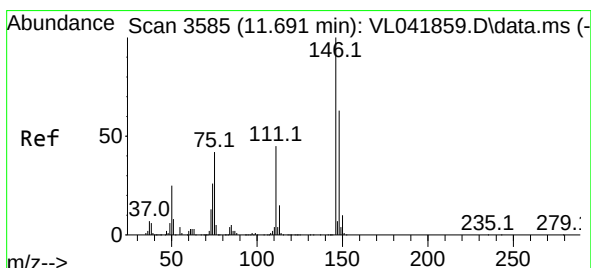
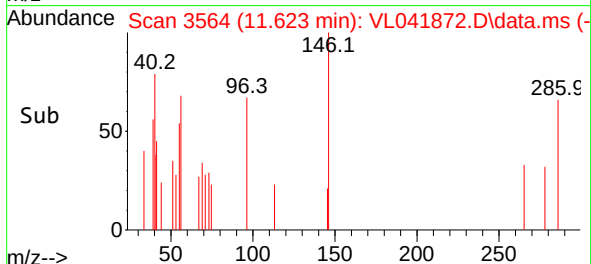
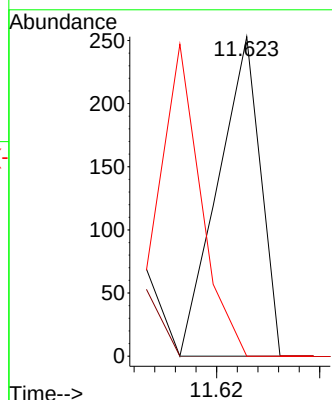
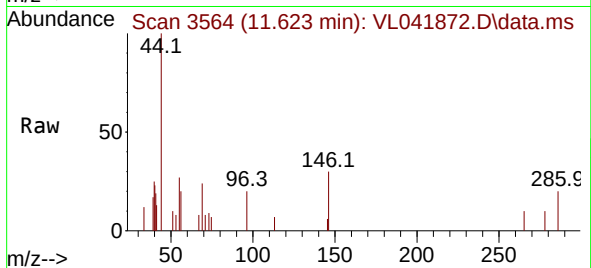
Instrument :

MSVOA_L

ClientSampleId :

INDOOR

Tgt Ion:	146	Resp:	72
Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.2	69.5#
148	100.0	31.6	94.7#



#76

1,4-Dichlorobenzene

Concen: 0.010 ppbv

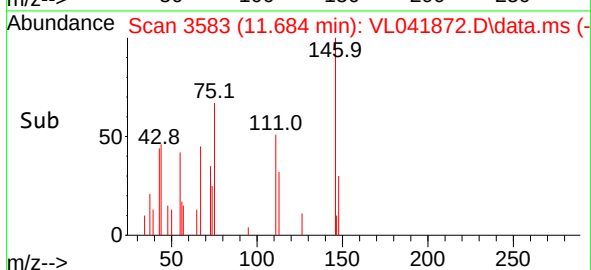
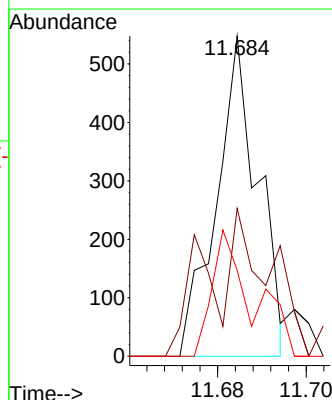
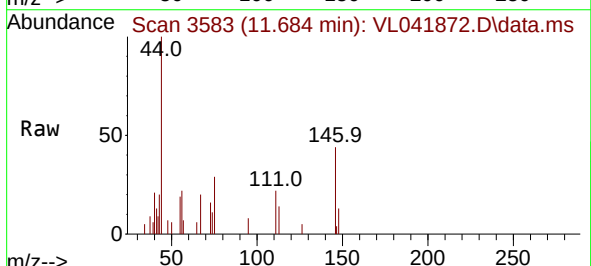
RT: 11.684 min Scan# 3583

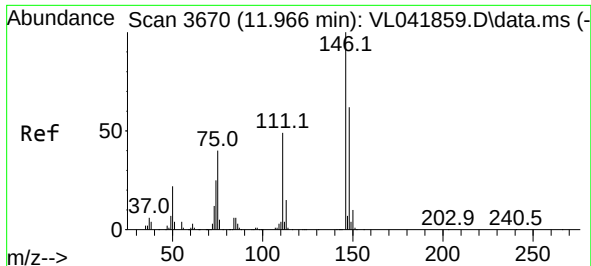
Delta R.T. -0.007 min

Lab File: VL041872.D

Acq: 09 Jan 2025 18:37

Tgt Ion:	146	Resp:	357
Ion	Ratio	Lower	Upper
146	100		
111	73.1	22.1	66.1#
148	38.4	31.2	93.6

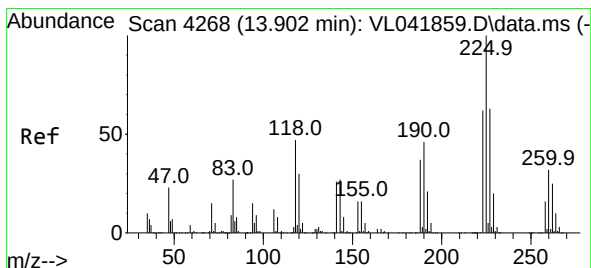
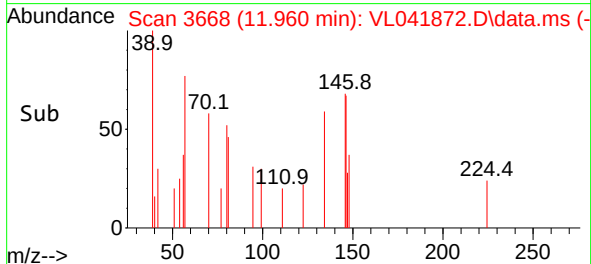
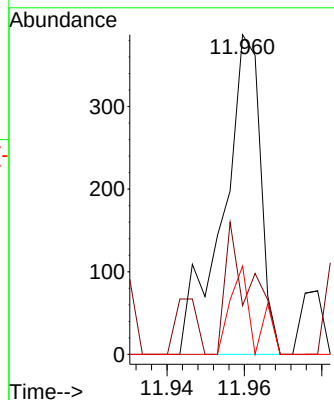
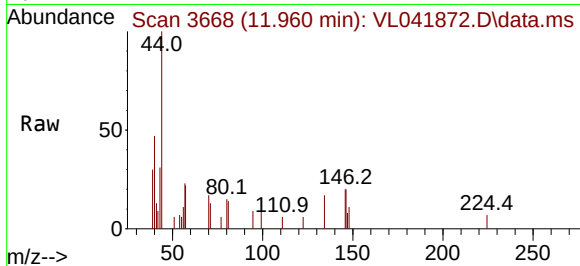




#77
1,2-Dichlorobenzene
Concen: 0.008 ppbv
RT: 11.960 min Scan# 30
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

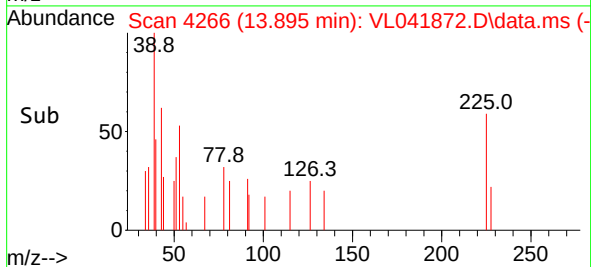
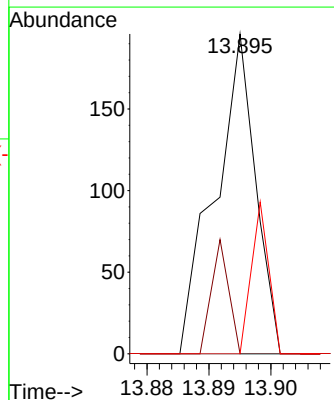
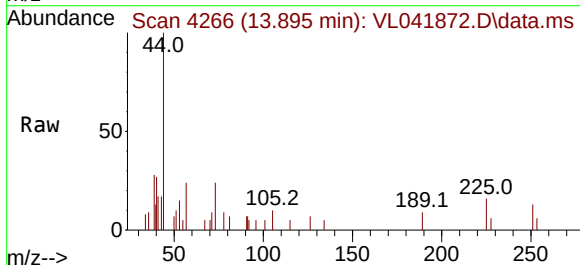
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

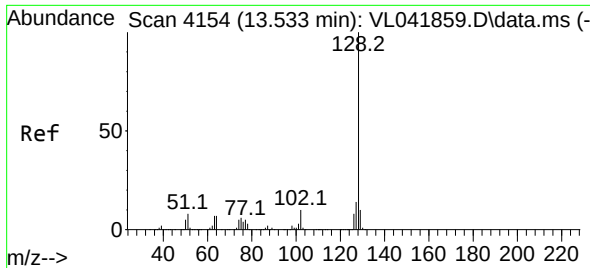
Tgt Ion:146 Resp: 260
Ion Ratio Lower Upper
146 100
111 28.5 24.1 72.3
148 17.3 31.5 94.5#



#78
Hexachloro-1,3-Butadiene
Concen: 0.003 ppbv
RT: 13.895 min Scan# 4266
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion:225 Resp: 89
Ion Ratio Lower Upper
225 100
223 0.0 50.6 75.8#
227 0.0 50.9 76.3#

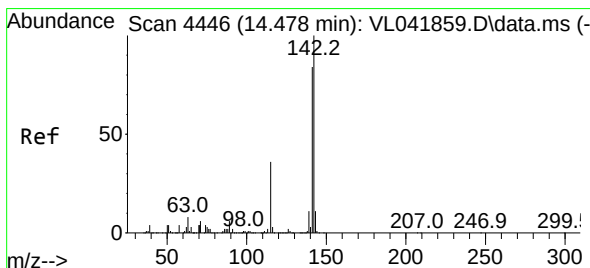
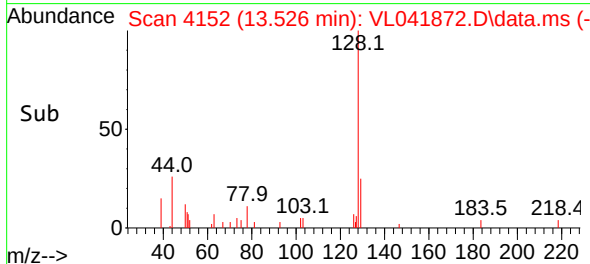
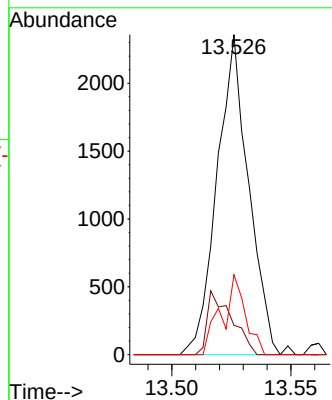
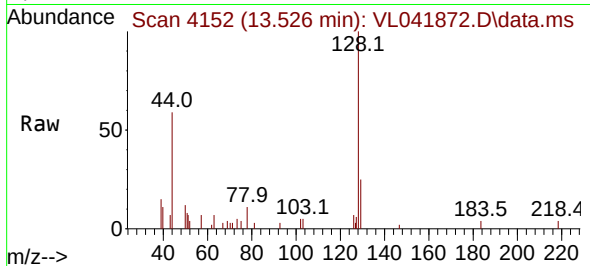




#79
Naphthalene
Concen: 0.034 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.007 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

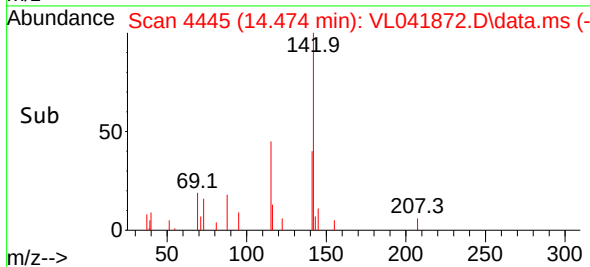
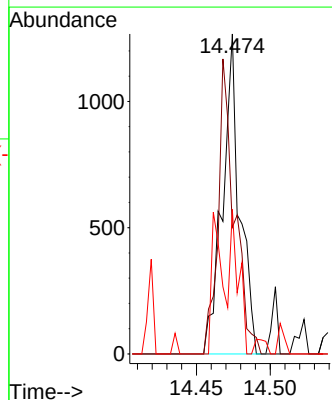
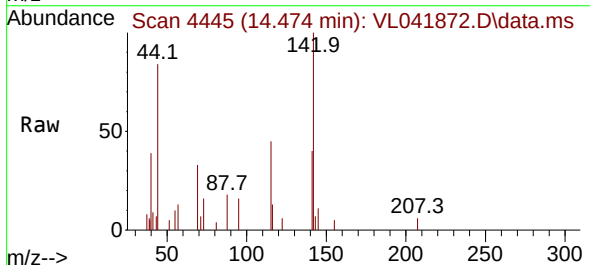
Instrument :
MSVOA_L
ClientSampleId :
INDOOR

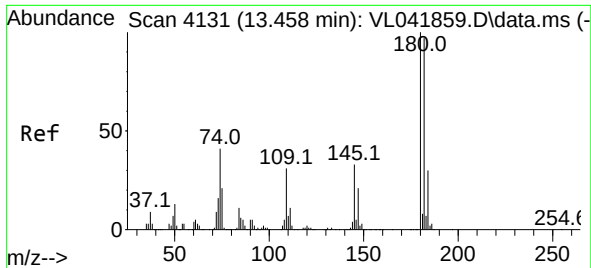
Tgt Ion:128 Resp: 2170
Ion Ratio Lower Upper
128 100
127 9.2 10.8 16.2#
129 24.9 8.2 12.4#



#80
Naphthalene,2-methyl-
Concen: 0.032 ppbv
RT: 14.474 min Scan# 4445
Delta R.T. -0.003 min
Lab File: VL041872.D
Acq: 09 Jan 2025 18:37

Tgt Ion:142 Resp: 1095
Ion Ratio Lower Upper
142 100
141 82.4 68.2 102.4
115 49.5 29.4 44.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.022 ppbv

RT: 13.448 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041872.D

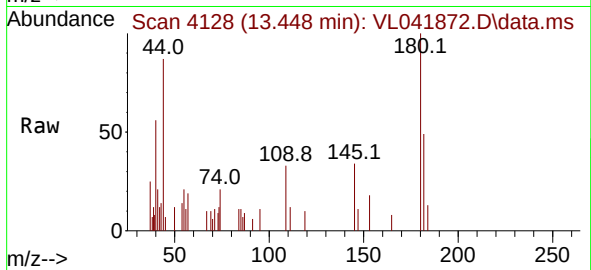
Acq: 09 Jan 2025 18:37

Instrument :

MSVOA_L

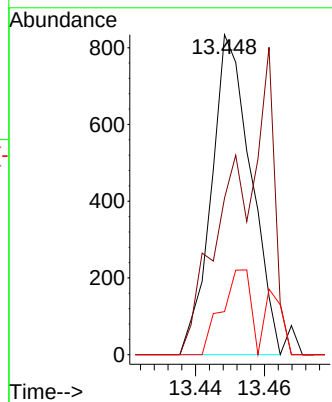
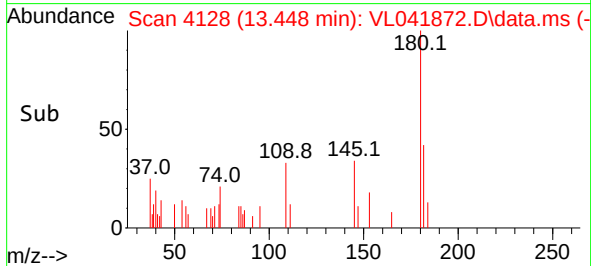
ClientSampleId :

INDOOR



Tgt Ion:180 Resp: 664

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.8
184	28.2	24.1	36.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041873.D
 Acq On : 09 Jan 2025 19:10
 Operator : SY/MD
 Sample : Q1037-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

Quant Time: Jan 10 01:45:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	117703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	358809	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	322467	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	259255	10.027	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	8570	0.444	ppbv	89
3) Chlorodifluoromethane	1.479	51	11526	0.543	ppbv #	87
4) Chloromethane	1.538	50	3716	0.495	ppbv	97
5) Vinyl Chloride	1.502	62	11	0.001	ppbv #	45
6) Bromomethane	1.674	94	47	0.012	ppbv #	3
7) Chloroethane	1.716	64	72	0.023	ppbv #	46
8) Dichlorotetrafluoroethane	1.557	85	327	0.019	ppbv	89
9) Propene	1.564	41	206538	20.855	ppbv	100
10) Heptane	5.007	43	1343	0.051	ppbv #	46
11) Trichlorofluoromethane	1.884	101	5197	0.262	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.149	101	1068	0.066	ppbv	92
13) Ethanol	1.729	45	493455	784.479	ppbv	85
14) Bromoethene	1.722	108	110	0.019	ppbv #	1
15) Acetone	1.842	43	68601	3.456	ppbv	94
16) 1,3-Butadiene	1.628	39	5658	0.664	ppbv #	22
17) tert-Butyl alcohol	2.052	59	2600	0.115	ppbv #	42
18) 1,1-Dichloroethene	2.033	96	85	0.012	ppbv #	1
19) Isopropyl Alcohol	1.897	45	12736	1.221	ppbv #	1
20) Methylene Chloride	2.072	84	3372	0.498	ppbv #	92
21) Allyl Chloride	2.088	41	628	0.049	ppbv #	1
22) trans-1,2-Dichloroethene	2.347	96	40	0.005	ppbv #	56
23) Vinyl Acetate	2.486	43	7682	0.764	ppbv #	34
24) 1,1-Dichloroethane	2.408	63	53	0.003	ppbv #	17
25) Ethyl Acetate	2.849	43	1676	0.034	ppbv #	54
26) Hexane	2.842	57	6813	0.336	ppbv #	49
27) Carbon Disulfide	2.166	76	108	0.006	ppbv #	1
28) Methyl tert-Butyl Ether	2.457	73	148	0.010	ppbv #	1
29) Chloroform	2.861	83	854	0.030	ppbv #	65
30) Cyclohexane	3.881	84	1406	0.081	ppbv #	1
31) cis-1,2-Dichloroethene	2.784	61	39	0.002	ppbv #	24
32) 1,1,1-Trichloroethane	3.389	97	37	0.001	ppbv #	1
34) 2-Butanone	2.577	43	5540	0.186	ppbv	91
35) Carbon Tetrachloride	3.781	117	1559	0.056	ppbv #	53
36) Benzene	3.677	78	5396	0.130	ppbv #	88
37) 1,2-Dichloroethane	3.230	62	442	0.020	ppbv #	80
38) Trichloroethene	4.305	130	36	0.002	ppbv #	3
39) 1,2-Dichloropropane	3.975	63	89907	6.072	ppbv #	24
40) 1,4-Dioxane	4.431	88	31	0.004	ppbv #	17
41) Tetrahydrofuran	3.065	42	70	0.004	ppbv #	37
42) Bromodichloromethane	4.512	83	74	0.002	ppbv #	26
43) Methyl Methacrylate	4.904	69	53	0.003	ppbv #	1
44) 2,2,4-Trimethylpentane	4.668	57	1969	0.028	ppbv #	43
45) t-1,3-Dichloropropene	6.189	75	46	0.003	ppbv #	45

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041873.D
 Acq On : 09 Jan 2025 19:10
 Operator : SY/MD
 Sample : Q1037-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

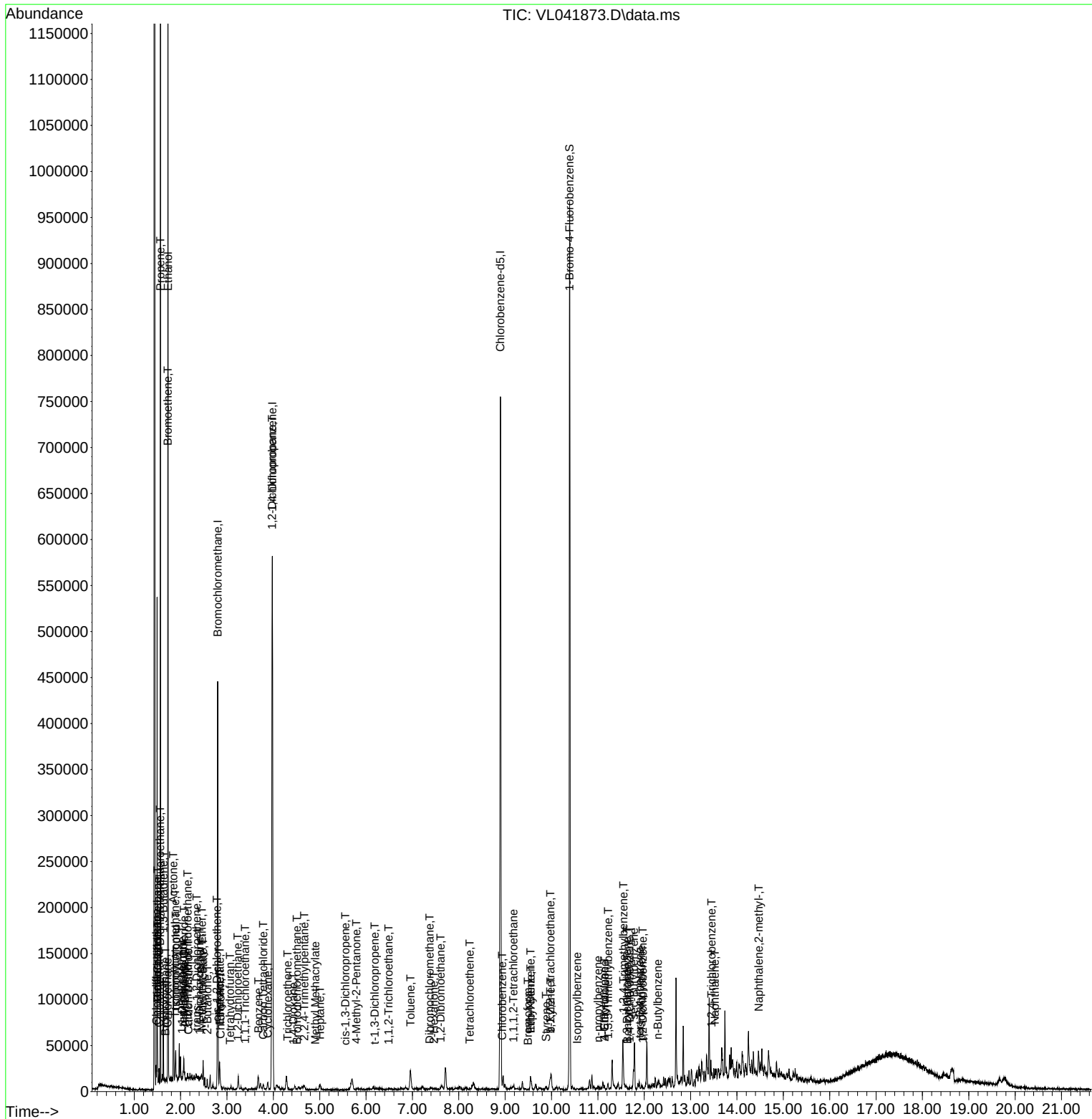
Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

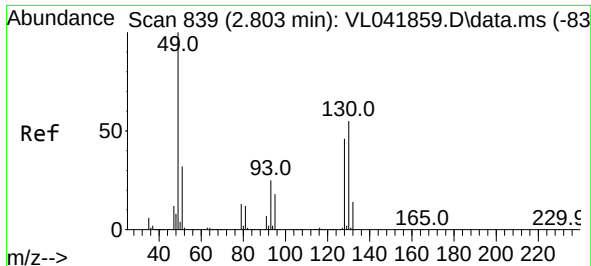
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.554	75	29	0.001	ppbv #	27
47) 1,1,2-Trichloroethane	6.483	97	25	0.002	ppbv #	15
48) Dibromochloromethane	7.373	129	26	0.001	ppbv #	1
49) Bromoform	9.493	173	37	0.002	ppbv #	28
50) 4-Methyl-2-Pentanone	5.791	43	55	0.001	ppbv #	38
51) 2-Hexanone	7.461	43	164	0.005	ppbv #	28
52) Tetrachloroethene	8.238	164	57	0.004	ppbv #	12
53) Toluene	6.959	91	13871	0.280	ppbv	96
54) 1,2-Dibromoethane	7.606	107	23	0.001	ppbv #	3
56) 1,1,1,2-Tetrachloroethane	9.179	131	60	0.003	ppbv #	8
57) Chlorobenzene	8.937	112	78	0.002	ppbv #	22
58) Ethyl Benzene	9.548	91	9007	0.136	ppbv	97
59) m/p-Xylene	9.548	91	9007	0.172	ppbv #	100
60) o-Xylene	9.979	91	4146	0.079	ppbv	98
61) Styrene	9.885	104	479	0.018	ppbv #	27
62) Isopropylbenzene	10.552	105	699	0.009	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	9.976	83	41	0.001	ppbv #	25
64) n-propylbenzene	11.005	120	157	0.008	ppbv #	1
65) tert-Butylbenzene	11.898	119	565	0.008	ppbv	93
66) Benzyl Chloride	11.639	91	25	0.003	ppbv #	66
67) sec-Butylbenzene	11.778	105	441	0.004	ppbv #	57
69) p-Isopropyltoluene	11.937	119	1295	0.015	ppbv #	86
70) n-Butylbenzene	12.293	91	1120	0.013	ppbv #	73
71) 2-Chlorotoluene	11.144	91	115	0.002	ppbv	70
72) 4-Ethyltoluene	11.138	105	1929	0.030	ppbv #	60
73) 1,3,5-Trimethylbenzene	11.219	105	1863	0.034	ppbv #	63
74) 1,2,4-Trimethylbenzene	11.549	105	6458	0.109	ppbv #	53
75) 1,3-Dichlorobenzene	11.630	146	39	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	11.685	146	96	0.003	ppbv #	24
77) 1,2-Dichlorobenzene	11.966	146	60	0.002	ppbv #	1
79) Naphthalene	13.526	128	4760	0.075	ppbv #	84
80) Naphthalene,2-methyl-	14.471	142	2898	0.084	ppbv #	58
81) 1,2,4-Trichlorobenzene	13.449	180	231	0.008	ppbv #	23

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

Quant Time: Jan 10 01:45:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

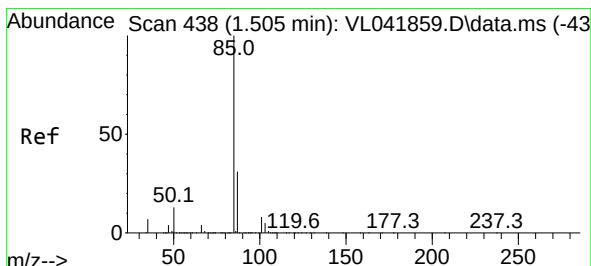
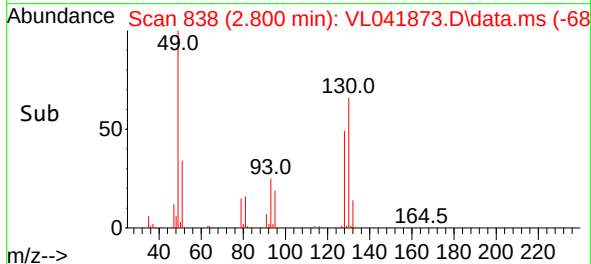
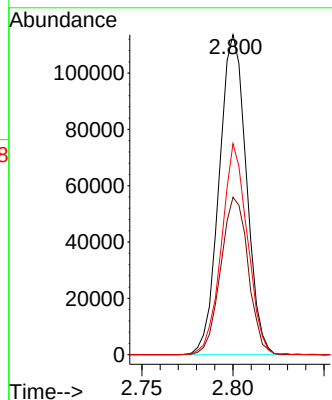
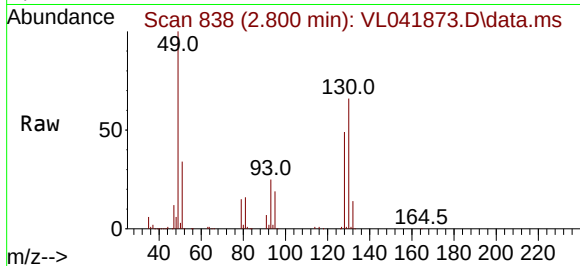




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

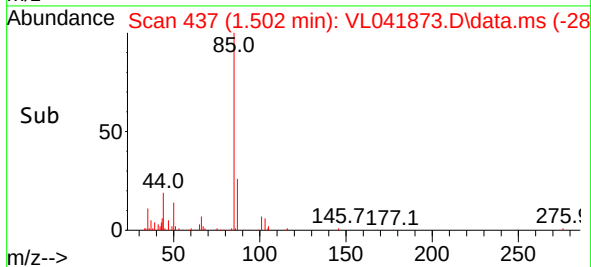
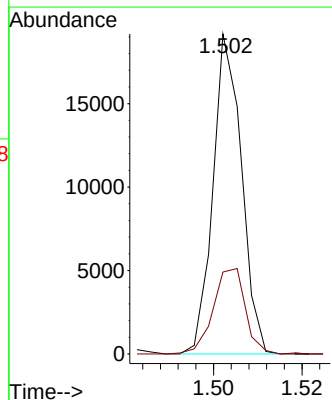
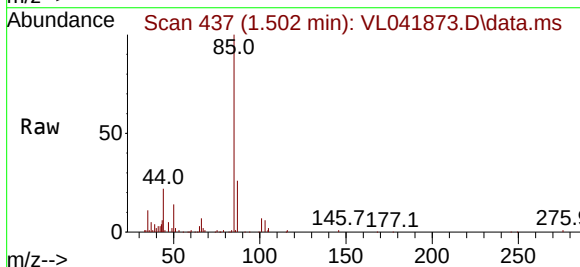
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

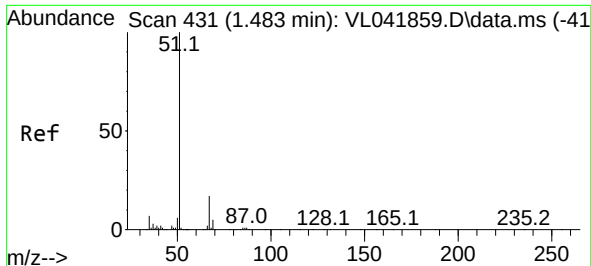
Tgt Ion: 49 Resp: 117703
Ion Ratio Lower Upper
49 100
128 49.7 23.2 69.5
130 62.9 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.444 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 85 Resp: 8570
Ion Ratio Lower Upper
85 100
87 25.6 25.2 37.8

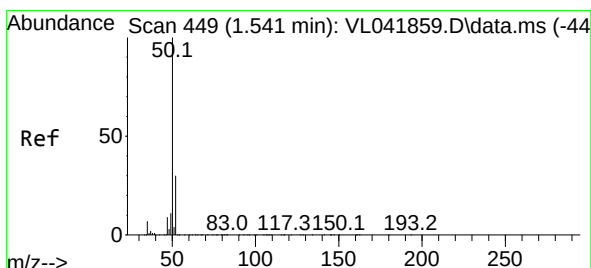
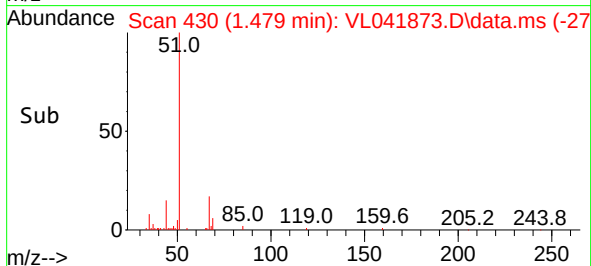
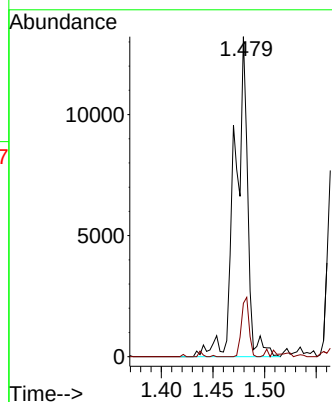
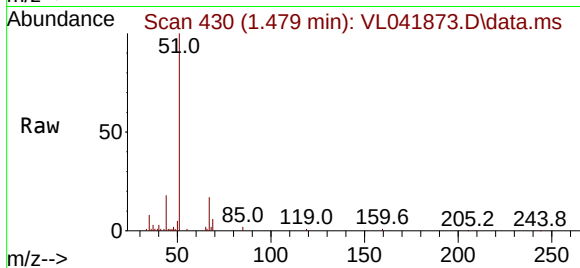




#3
Chlorodifluoromethane
Concen: 0.543 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

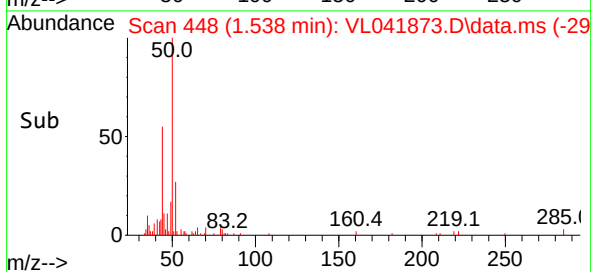
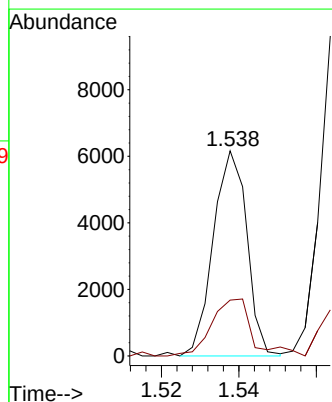
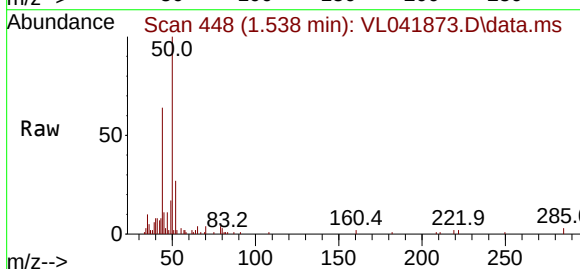
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

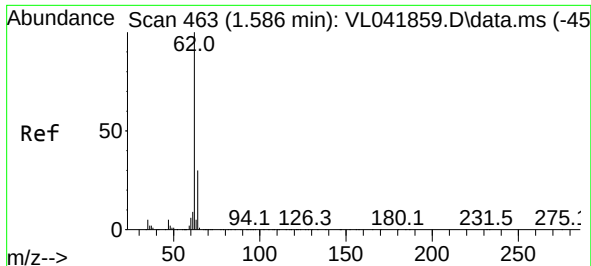
Tgt Ion: 51 Resp: 11526
Ion Ratio Lower Upper
51 100
67 11.4 13.8 20.8#



#4
Chloromethane
Concen: 0.495 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 50 Resp: 3716
Ion Ratio Lower Upper
50 100
52 28.2 23.9 35.9

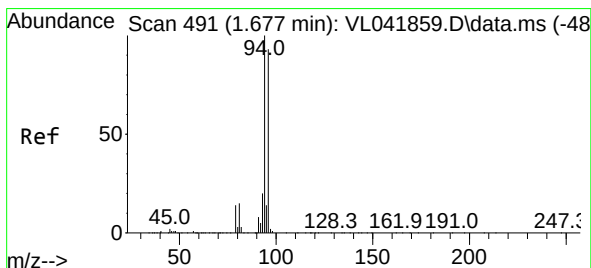
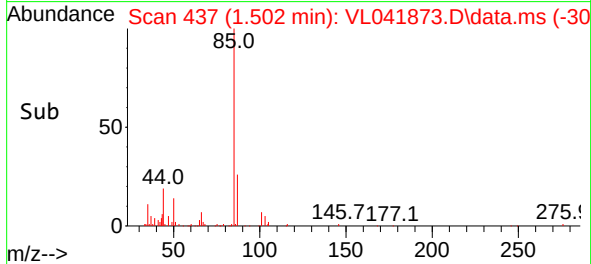
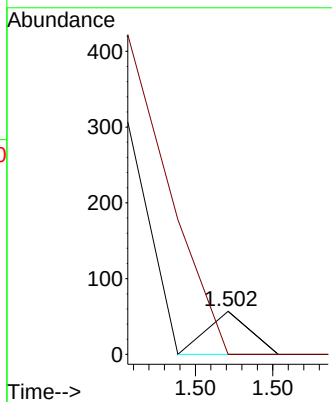
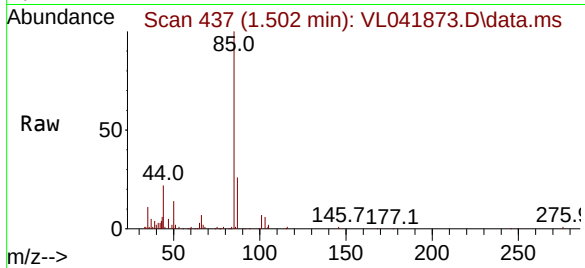




#5
 Vinyl Chloride
 Concen: 0.001 ppbv
 RT: 1.502 min Scan# 41
 Delta R.T. -0.084 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

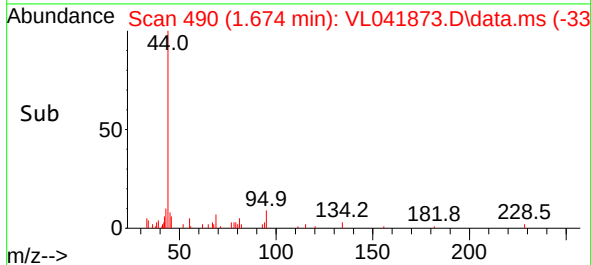
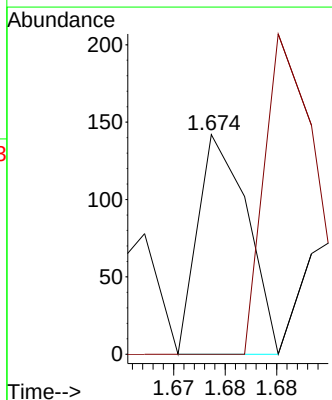
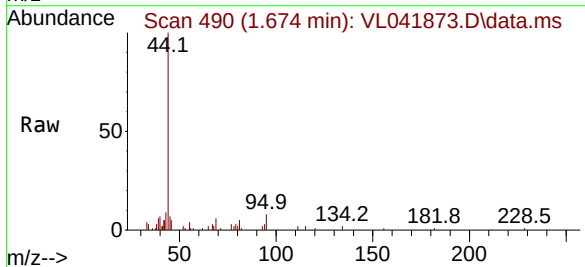
Instrument :
 MSVOA_L
 ClientSampleId :
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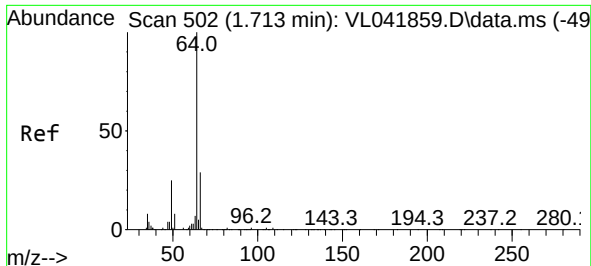
Tgt Ion: 62 Resp: 11
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.1 36.1#



#6
 Bromomethane
 Concen: 0.012 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.003 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

Tgt Ion: 94 Resp: 47
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.8 112.2#

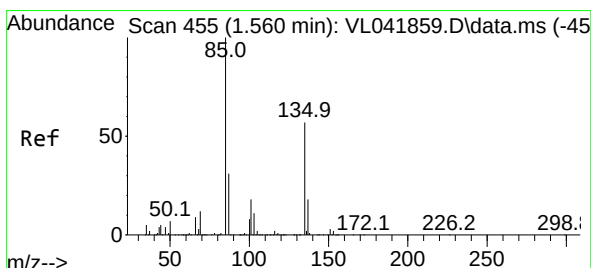
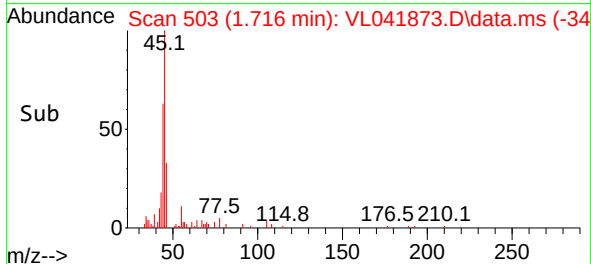
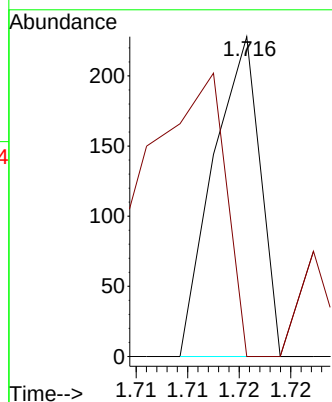
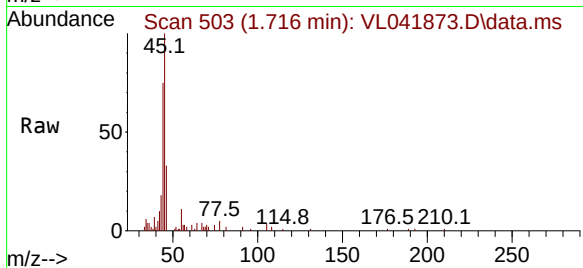




#7
Chloroethane
Concen: 0.023 ppbv
RT: 1.716 min Scan# 502
Delta R.T. 0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

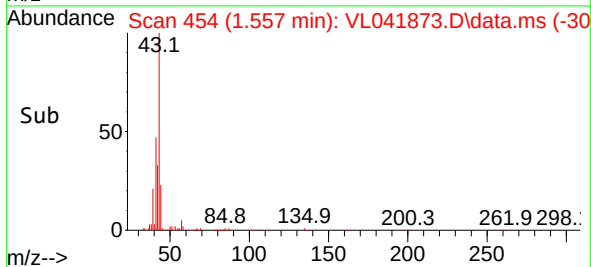
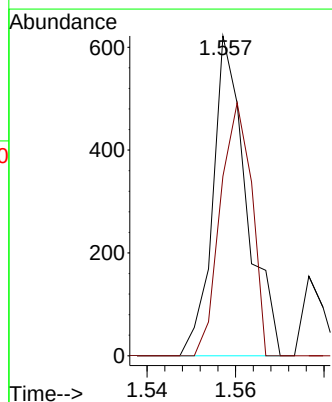
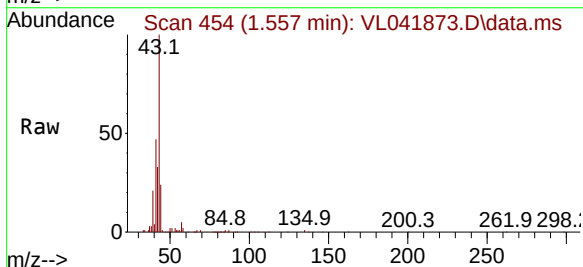
Instrument :
MSVOA_1
ClientSampleId :
GARAGE

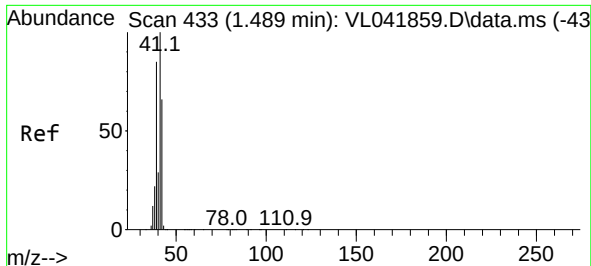
Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 0.0 23.0 34.6#



#8
Dichlorotetrafluoroethane
Concen: 0.019 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 85 Resp: 327
Ion Ratio Lower Upper
85 100
135 74.0 52.2 78.4





#9

Propene

Concen: 20.855 ppbv

RT: 1.564 min Scan# 41

Delta R.T. 0.074 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

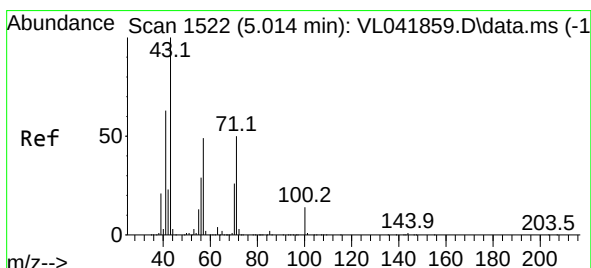
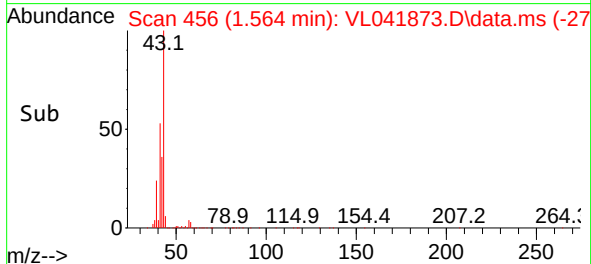
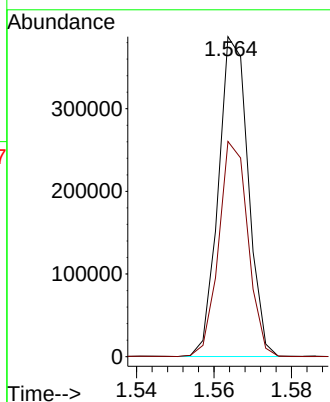
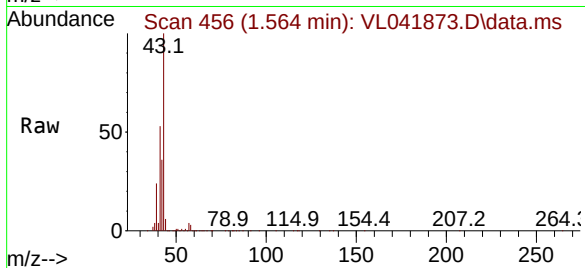
GARAGE

Tgt Ion: 41 Resp: 206538

Ion Ratio Lower Upper

41 100

42 66.5 53.0 79.6



#10

Heptane

Concen: 0.051 ppbv

RT: 5.007 min Scan# 1520

Delta R.T. -0.006 min

Lab File: VL041873.D

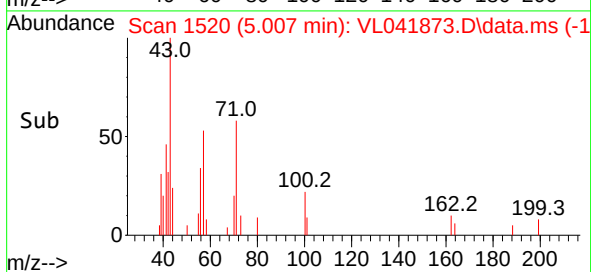
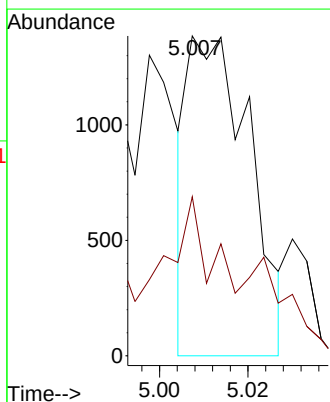
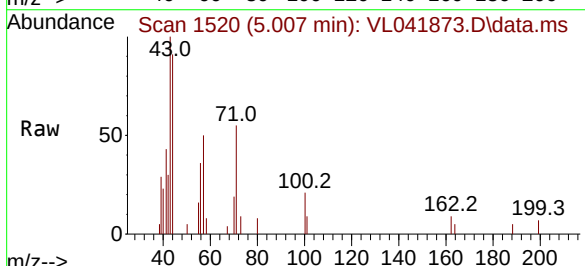
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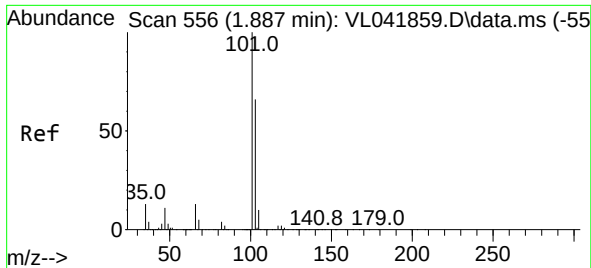
Tgt Ion: 43 Resp: 1343

Ion Ratio Lower Upper

43 100

57 87.5 40.2 60.2#

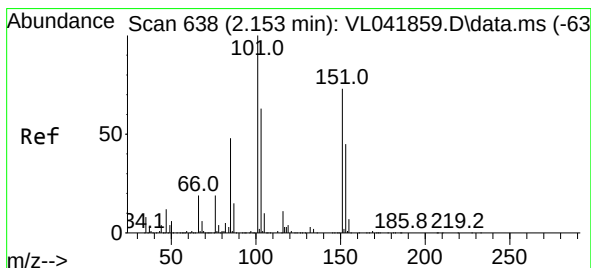
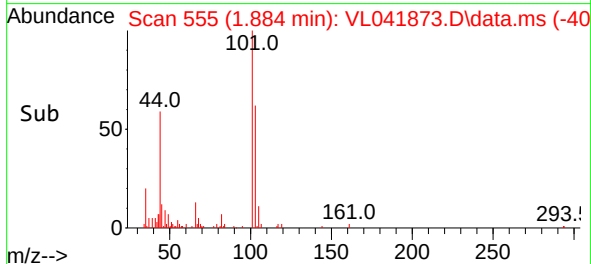
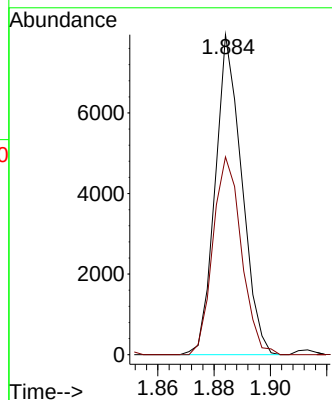
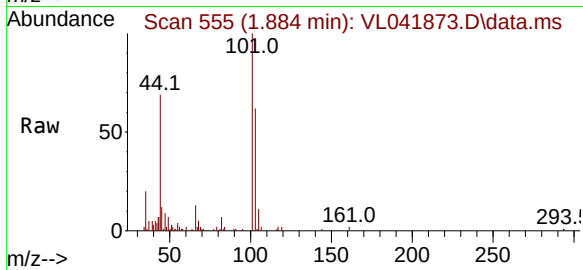




#11
 Trichlorofluoromethane
 Concen: 0.262 ppbv
 RT: 1.884 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

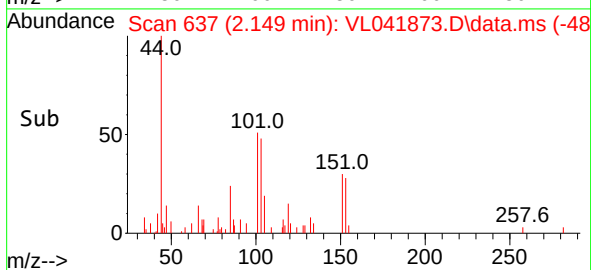
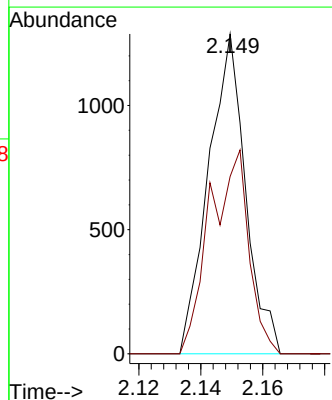
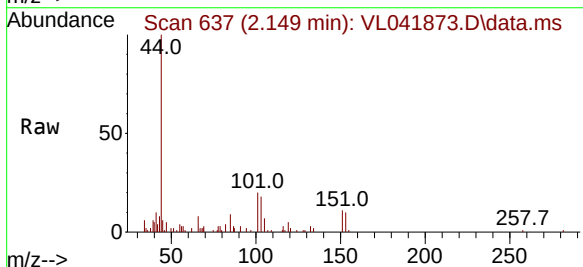
Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

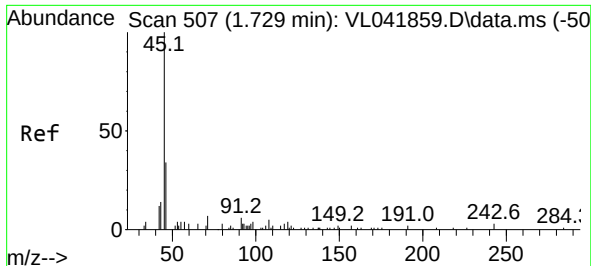
Tgt Ion:101 Resp: 5197
 Ion Ratio Lower Upper
 101 100
 103 61.8 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.066 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. -0.003 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

Tgt Ion:101 Resp: 1068
 Ion Ratio Lower Upper
 101 100
 151 67.1 59.4 89.0

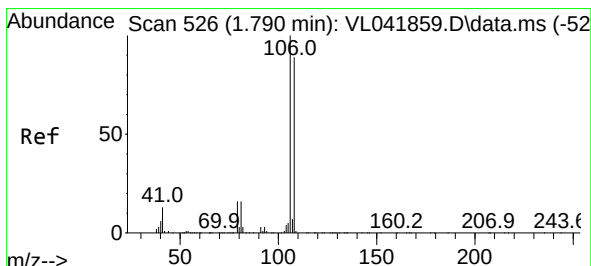
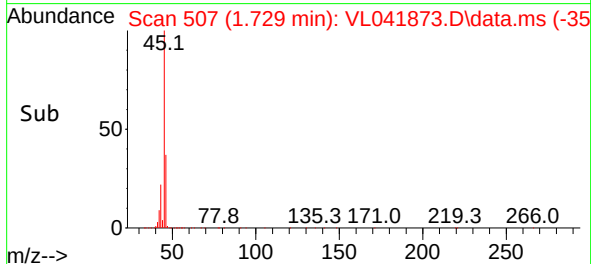
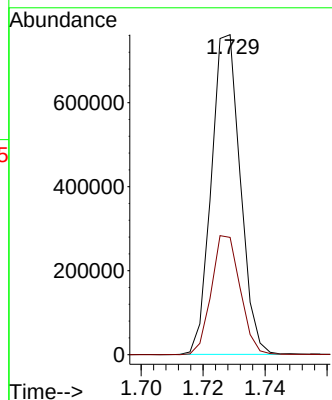
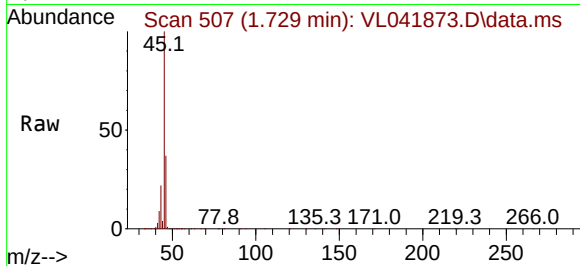




#13
Ethanol
Concen: 784.479 ppbv
RT: 1.729 min Scan# 50
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

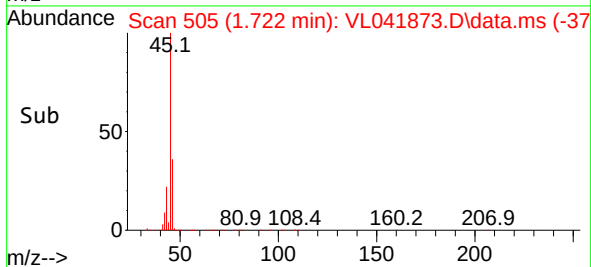
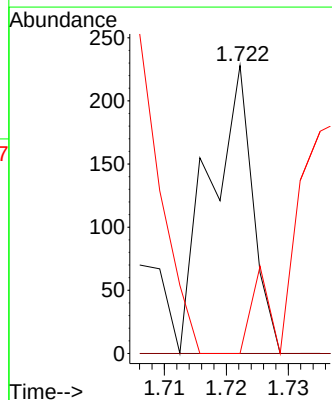
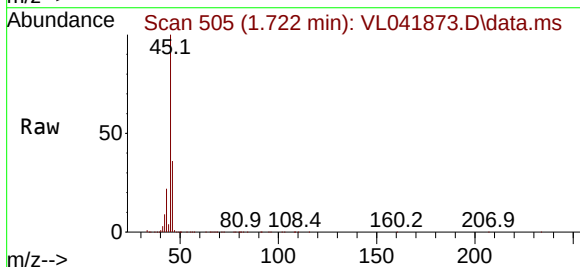
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

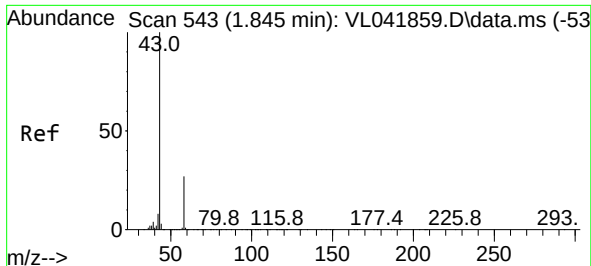
Tgt Ion: 45 Resp: 493455
Ion Ratio Lower Upper
45 100
46 37.4 19.0 76.0



#14
Bromoethene
Concen: 0.019 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.068 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 108 Resp: 110
Ion Ratio Lower Upper
108 100
106 51.8 86.9 130.3#
79 394.5 15.6 23.4#

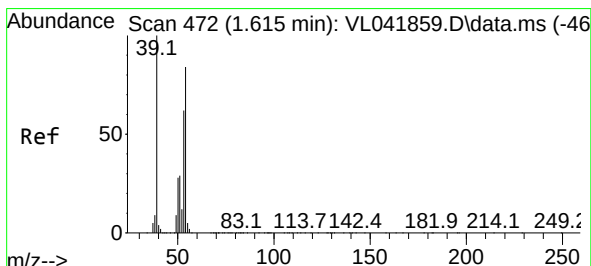
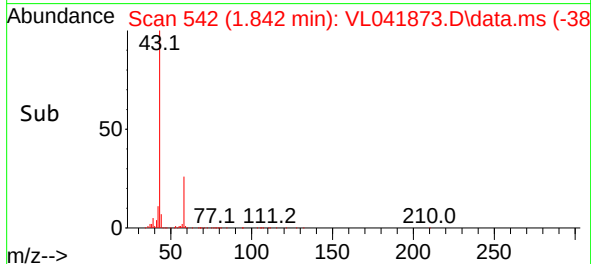
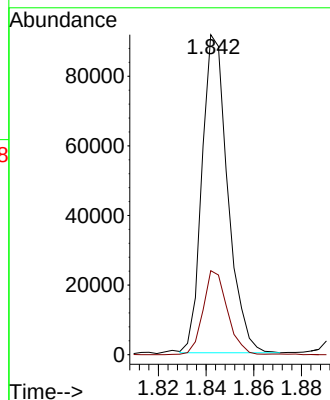
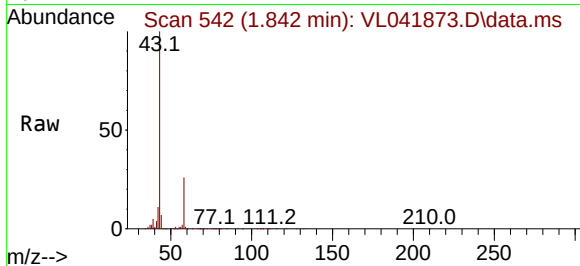




#15
Acetone
Concen: 3.456 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

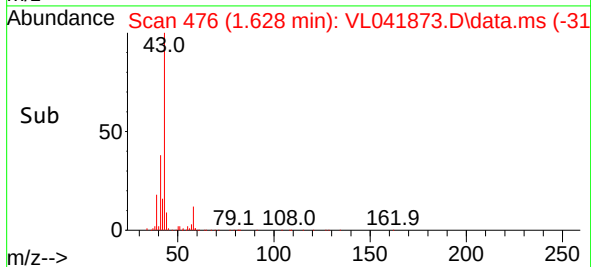
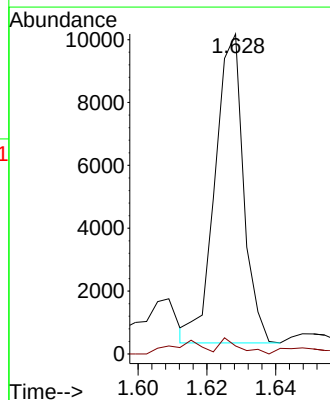
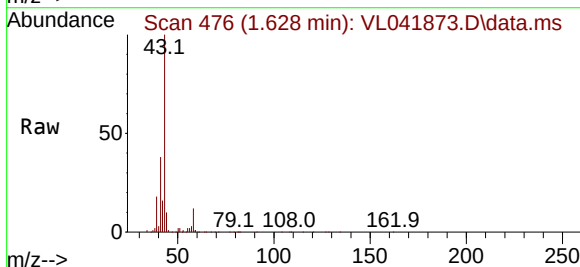
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

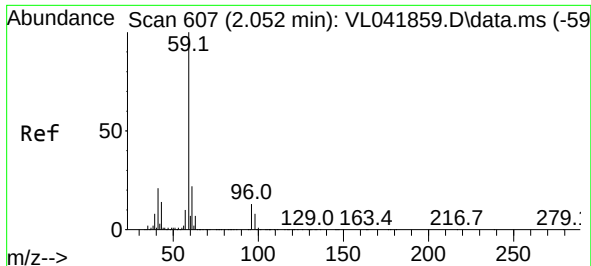
Tgt Ion: 43 Resp: 68601
Ion Ratio Lower Upper
43 100
58 25.2 22.7 34.1



#16
1,3-Butadiene
Concen: 0.664 ppbv
RT: 1.628 min Scan# 476
Delta R.T. 0.013 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 39 Resp: 5658
Ion Ratio Lower Upper
39 100
54 8.2 60.1 90.1#





#17

tert-Butyl alcohol

Concen: 0.115 ppbv

RT: 2.052 min Scan# 607

Delta R.T. -0.000 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

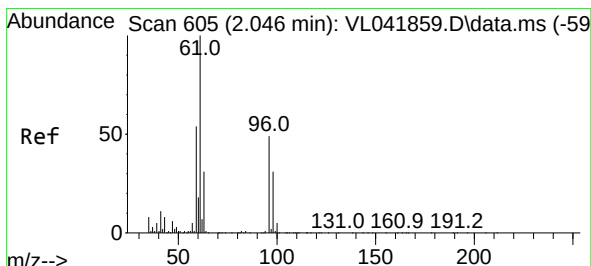
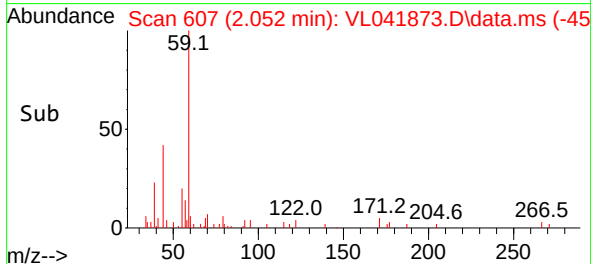
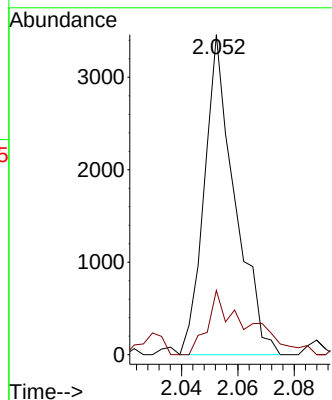
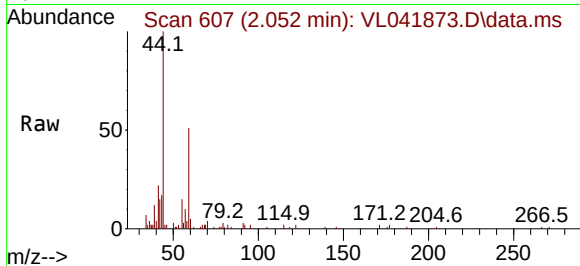
GARAGE

Tgt Ion: 59 Resp: 2600

Ion Ratio Lower Upper

59 100

57 32.0 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.012 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.013 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

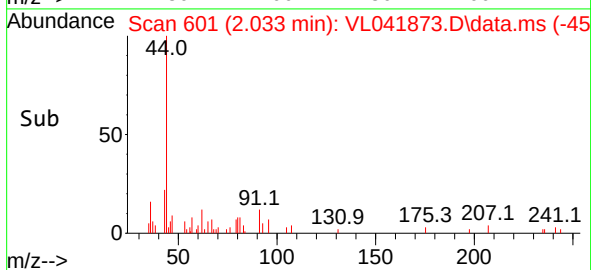
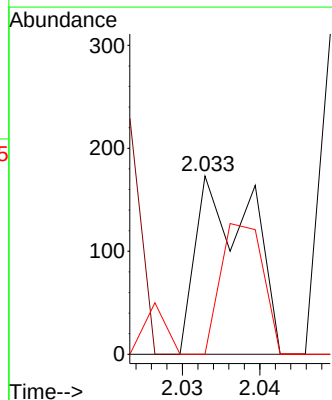
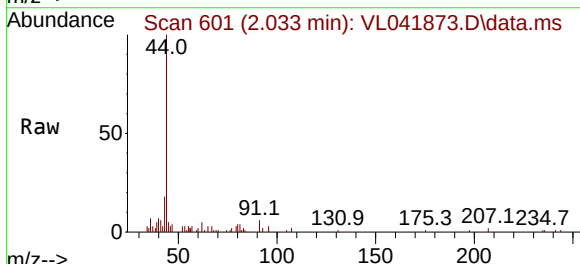
Tgt Ion: 96 Resp: 85

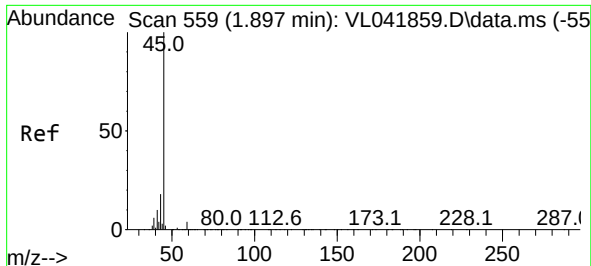
Ion Ratio Lower Upper

96 100

61 0.0 161.7 242.5#

98 0.0 51.0 76.4#

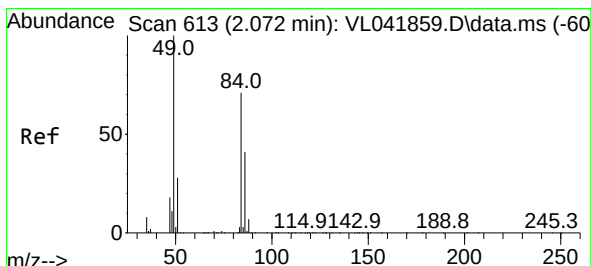
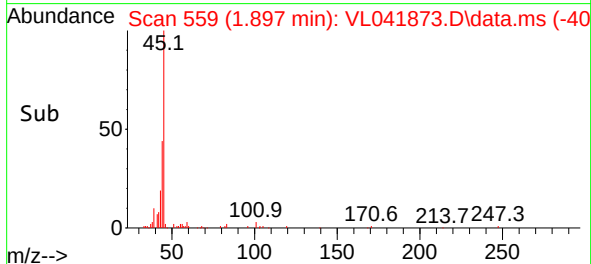
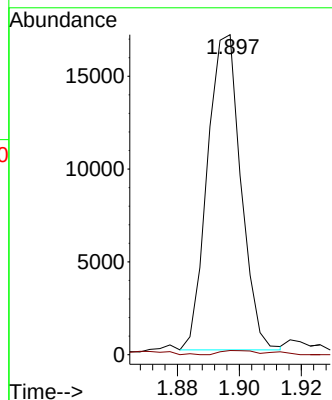
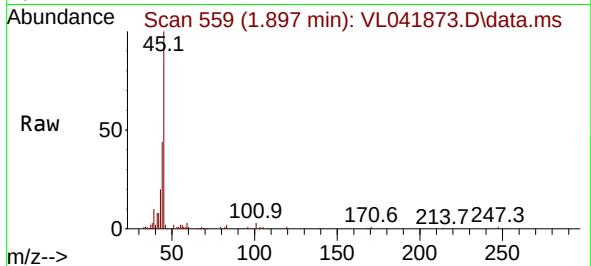




#19
Isopropyl Alcohol
Concen: 1.221 ppbv
RT: 1.897 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

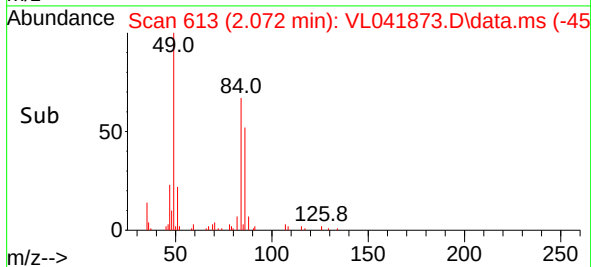
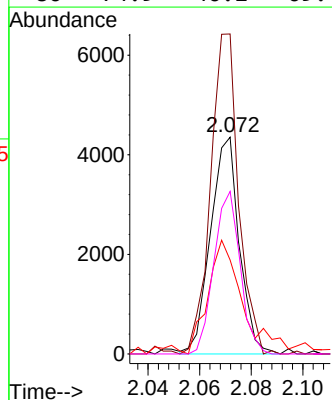
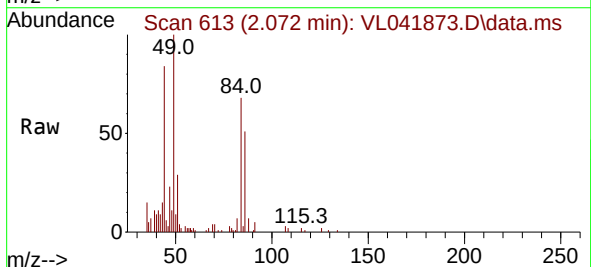
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

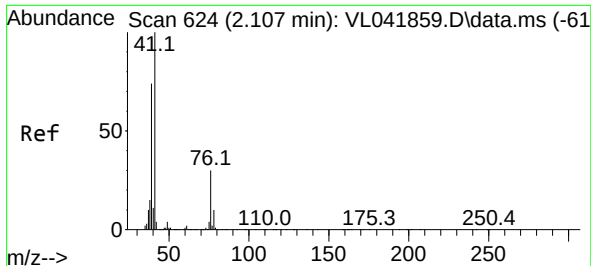
Tgt Ion: 45 Resp: 12736
Ion Ratio Lower Upper
45 100
58 135.7 37.0 55.6#



#20
Methylene Chloride
Concen: 0.498 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 84 Resp: 3372
Ion Ratio Lower Upper
84 100
49 147.6 113.8 170.8
51 41.9 33.5 50.3
86 74.9 46.2 69.4#

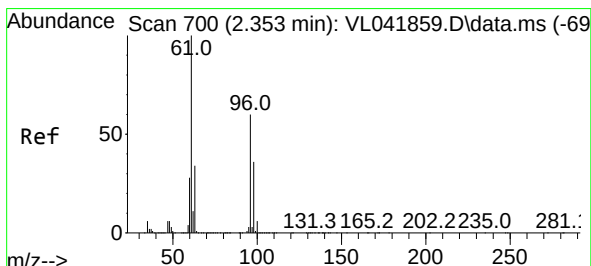
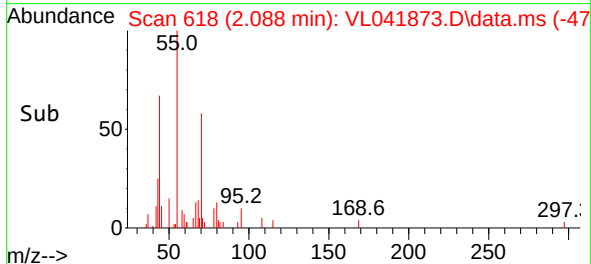
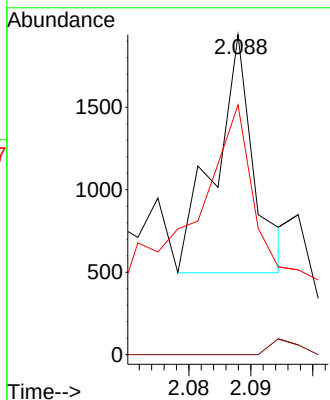
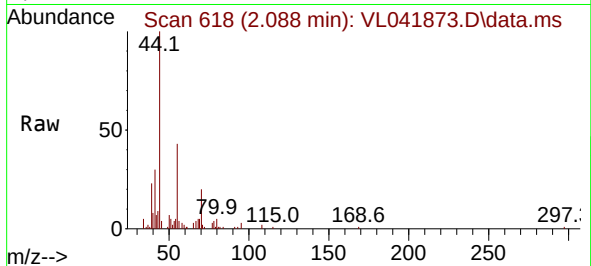




#21
 Allyl Chloride
 Concen: 0.049 ppbv
 RT: 2.088 min Scan# 618
 Delta R.T. -0.019 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

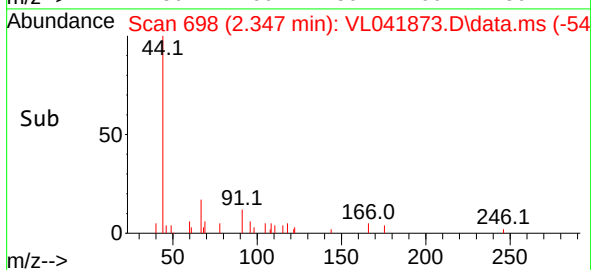
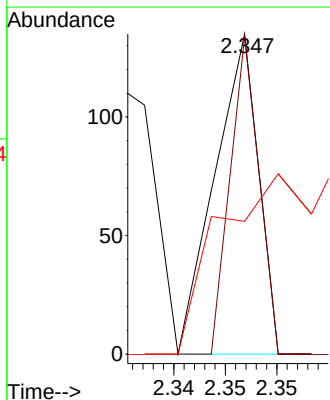
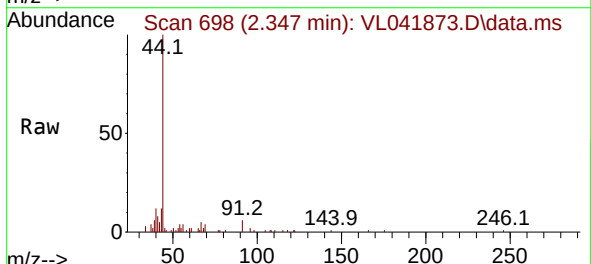
Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

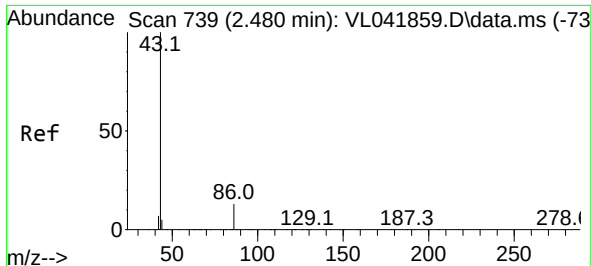
Tgt Ion: 41 Resp: 628
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.6 36.8#
 39 350.0 60.1 90.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.005 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.006 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

Tgt Ion: 96 Resp: 40
 Ion Ratio Lower Upper
 96 100
 61 99.3 134.2 201.4#
 98 41.5 49.0 73.4#





#23

Vinyl Acetate

Concen: 0.764 ppbv

RT: 2.486 min Scan# 741

Delta R.T. 0.006 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_1

ClientSampleId :

GARAGE

Tgt Ion: 43 Resp: 7682

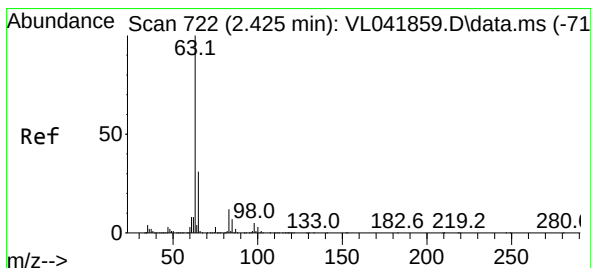
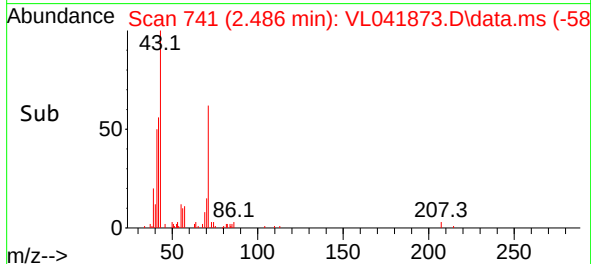
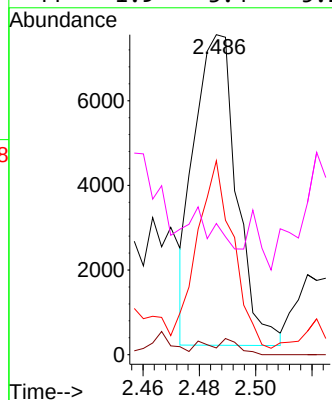
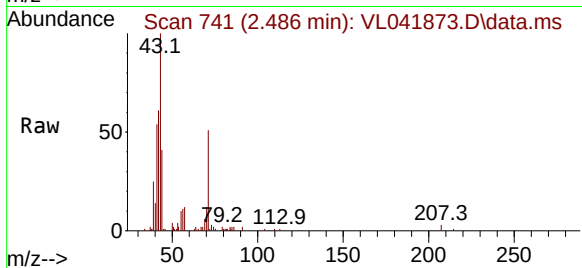
Ion Ratio Lower Upper

43 100

86 2.2 7.8 11.6#

42 61.0 7.0 10.4#

44 1.9 3.4 5.2#



#24

1,1-Dichloroethane

Concen: 0.003 ppbv

RT: 2.408 min Scan# 717

Delta R.T. -0.016 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

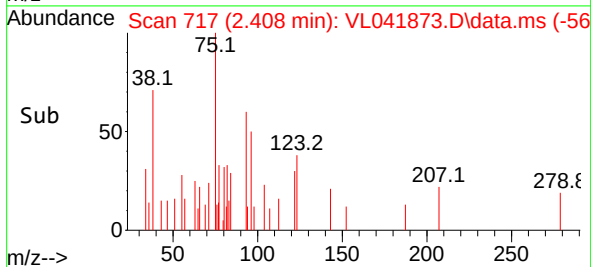
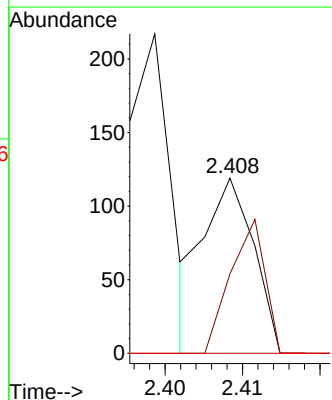
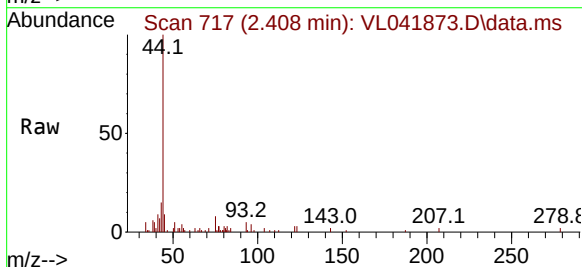
Tgt Ion: 63 Resp: 53

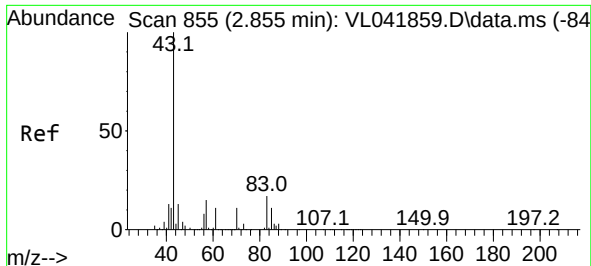
Ion Ratio Lower Upper

63 100

98 45.4 2.3 6.9#

100 0.0 1.3 3.8#

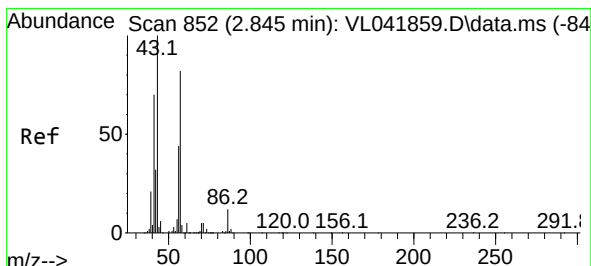
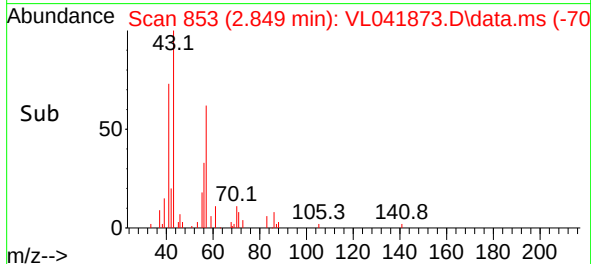
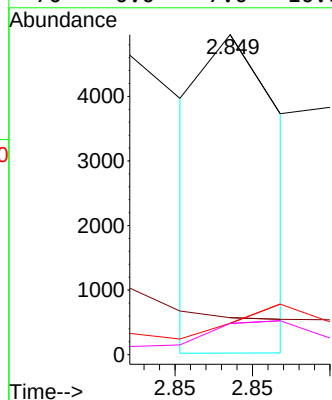
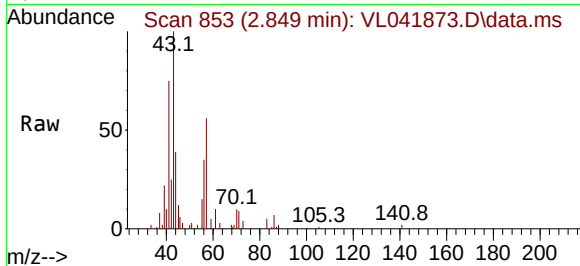




#25
Ethyl Acetate
Concen: 0.034 ppbv
RT: 2.849 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

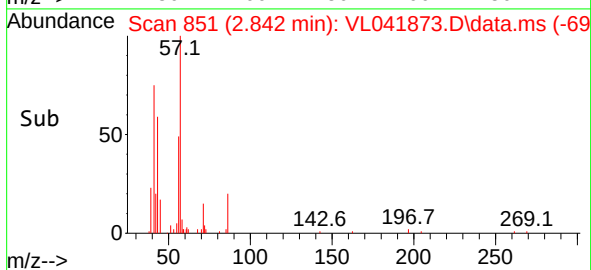
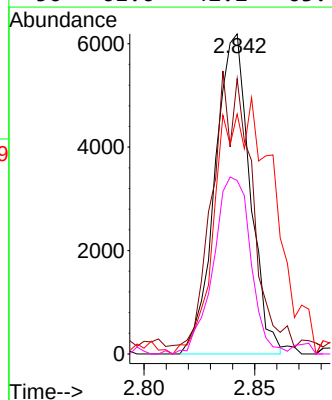
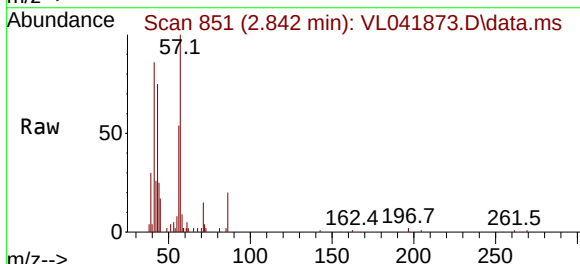
Instrument :
MSVOA_1
ClientSampleId :
GARAGE

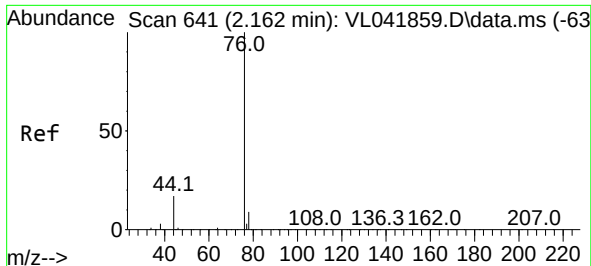
Tgt Ion: 43	Resp: 1676
Ion Ratio	Lower Upper
43 100	
45 0.0	8.4 12.6#
61 41.4	7.3 10.9#
70 0.0	7.0 10.6#



#26
Hexane
Concen: 0.336 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt	Ion: 57	Resp:	6813
Ion	Ratio	Lower	Upper
57	100		
41	109.7	71.5	107.3#
43	127.7	200.2	300.4#
56	61.6	42.2	63.4





#27

Carbon Disulfide

Concen: 0.006 ppbv

RT: 2.166 min Scan# 641

Delta R.T. 0.003 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_1

ClientSampleId :

GARAGE

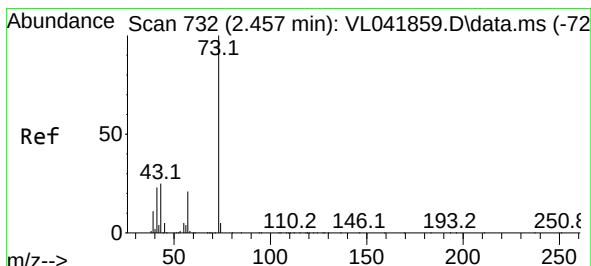
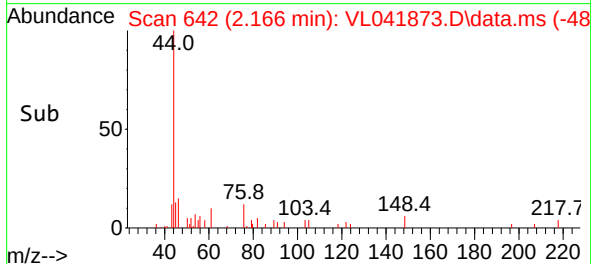
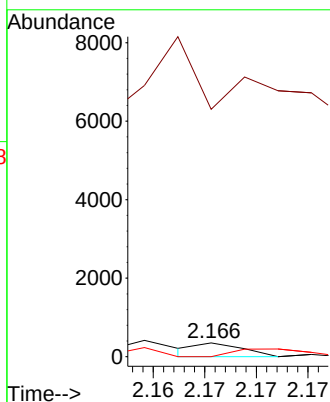
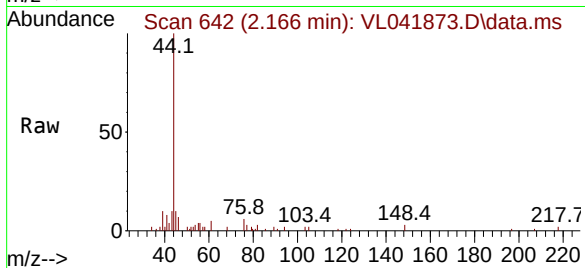
Tgt Ion: 76 Resp: 108

Ion Ratio Lower Upper

76 100

44 2130.6 13.1 19.7#

78 0.0 9.5 14.3#



#28

Methyl tert-Butyl Ether

Concen: 0.010 ppbv

RT: 2.457 min Scan# 732

Delta R.T. -0.000 min

Lab File: VL041873.D

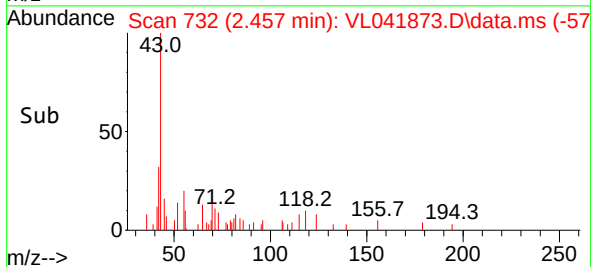
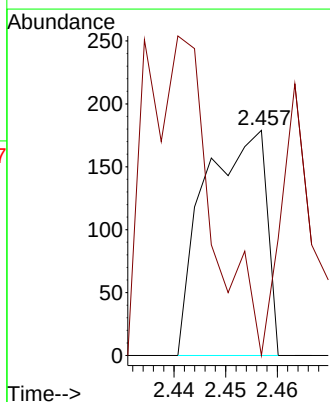
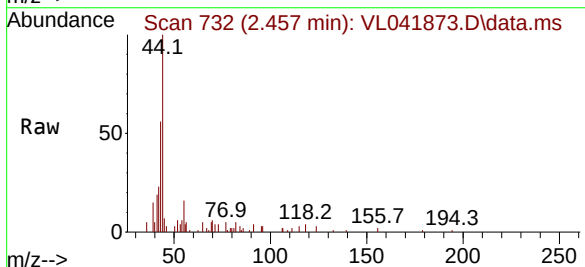
Acq: 09 Jan 2025 19:10

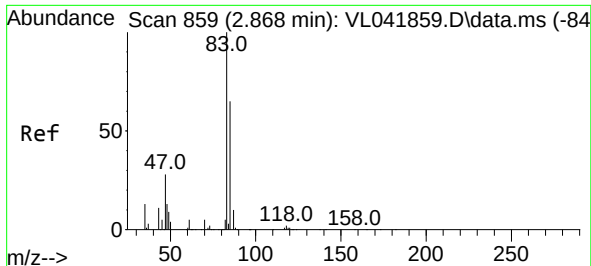
Tgt Ion: 73 Resp: 148

Ion Ratio Lower Upper

73 100

57 160.8 17.5 26.3#





#29

Chloroform

Concen: 0.030 ppbv

RT: 2.861 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

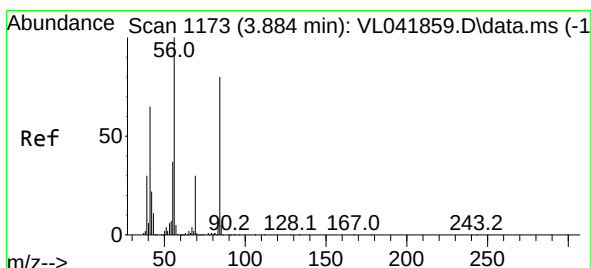
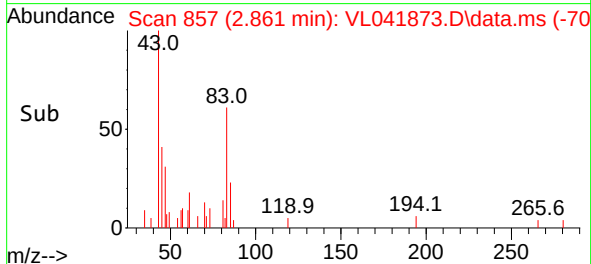
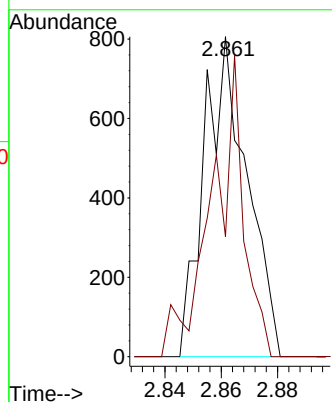
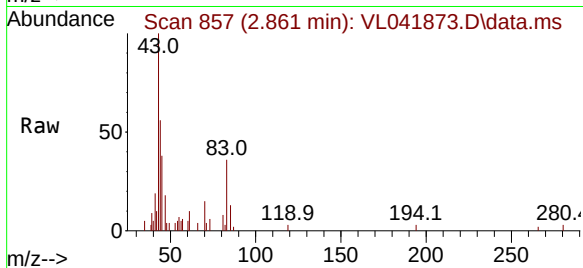
GARAGE

Tgt Ion: 83 Resp: 854

Ion Ratio Lower Upper

83 100

85 37.5 51.7 77.5#



#30

Cyclohexane

Concen: 0.081 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. -0.003 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

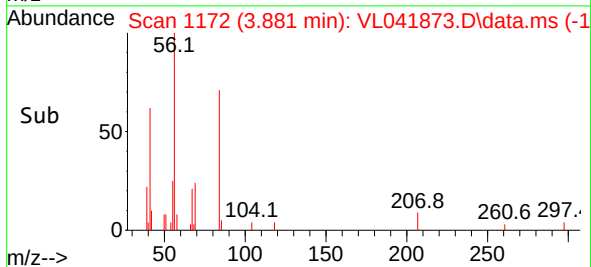
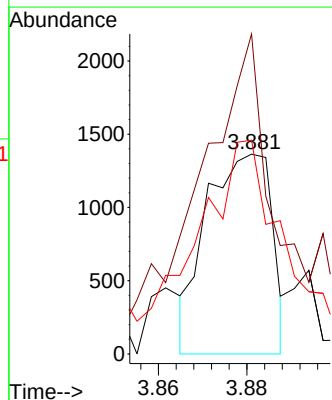
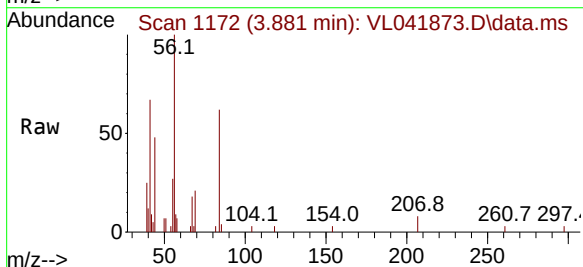
Tgt Ion: 84 Resp: 1406

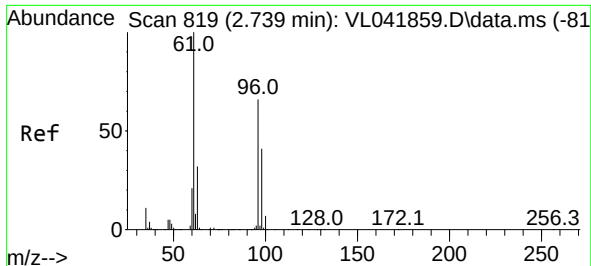
Ion Ratio Lower Upper

84 100

56 207.5 100.7 151.1#

41 208.5 62.8 94.2#

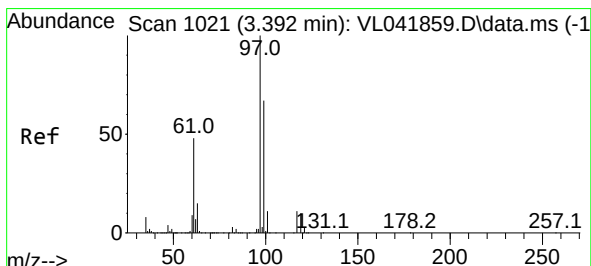
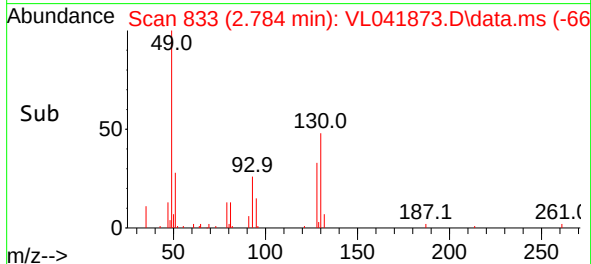
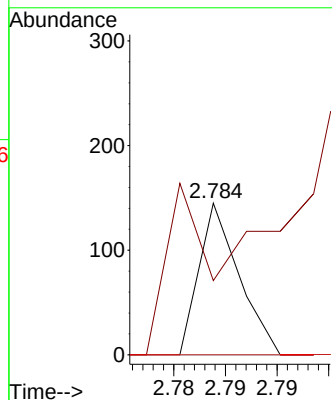
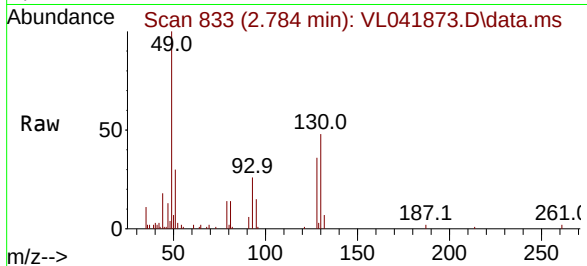




#31
 cis-1,2-Dichloroethene
 Concen: 0.002 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. 0.045 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

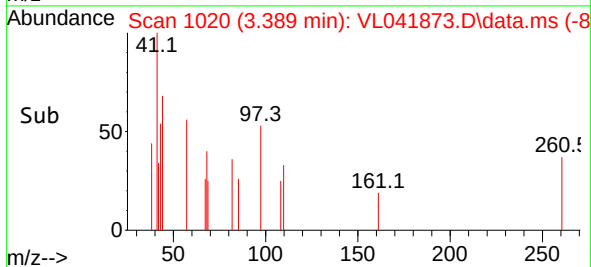
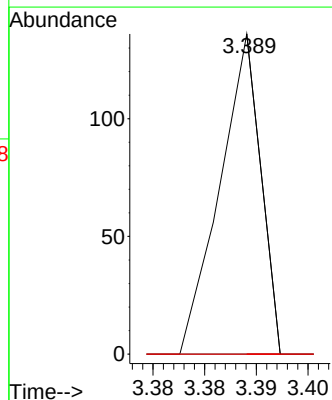
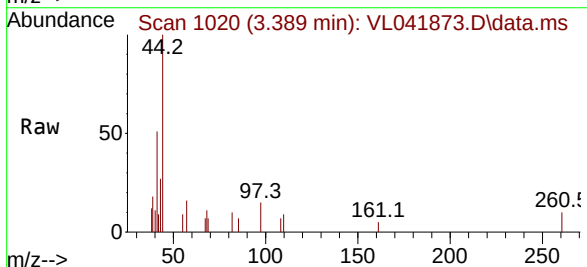
Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

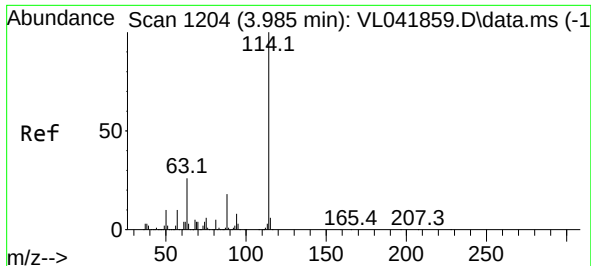
Tgt Ion: 61 Resp: 39
 Ion Ratio Lower Upper
 61 100
 96 0.0 53.2 79.8#
 98 0.0 32.5 48.7#



#32
 1,1,1-Trichloroethane
 Concen: 0.001 ppbv
 RT: 3.389 min Scan# 1020
 Delta R.T. -0.003 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

Tgt Ion: 97 Resp: 37
 Ion Ratio Lower Upper
 97 100
 99 0.0 52.0 78.0#
 61 227.0 38.8 58.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

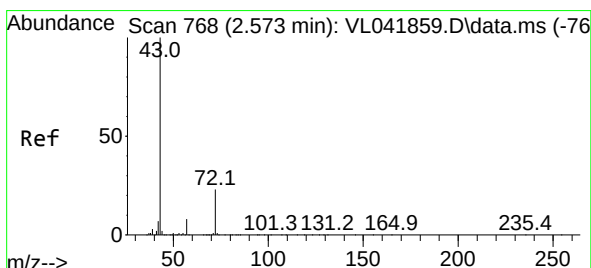
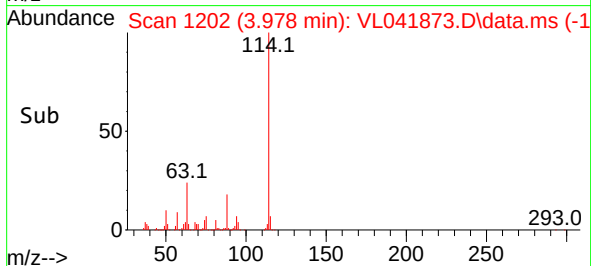
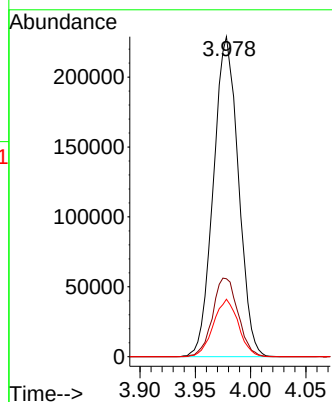
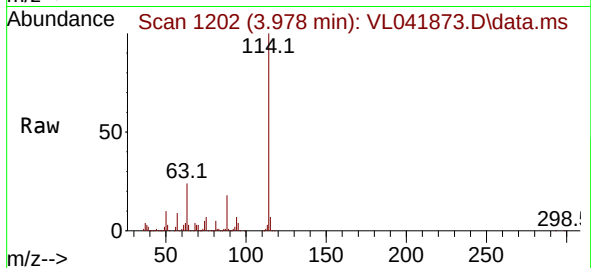
Tgt Ion:114 Resp: 358809

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 18.0 14.6 21.8



#34

2-Butanone

Concen: 0.186 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.003 min

Lab File: VL041873.D

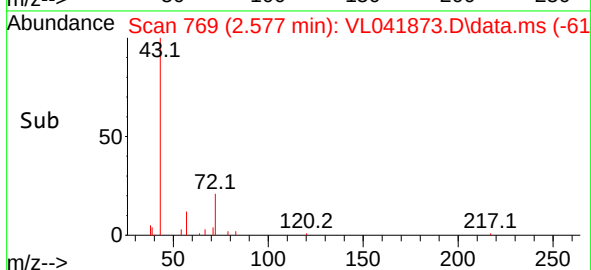
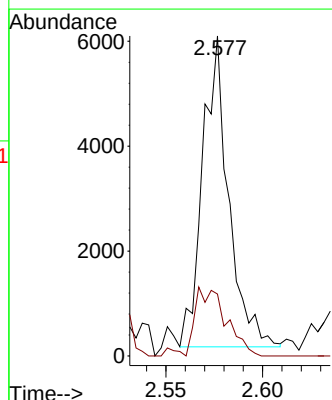
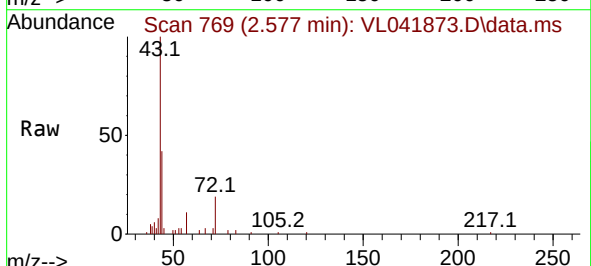
Acq: 09 Jan 2025 19:10

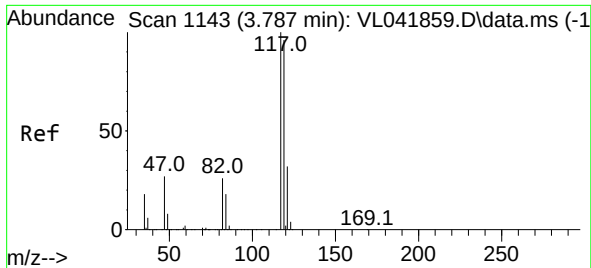
Tgt Ion: 43 Resp: 5540

Ion Ratio Lower Upper

43 100

72 27.3 18.5 27.7

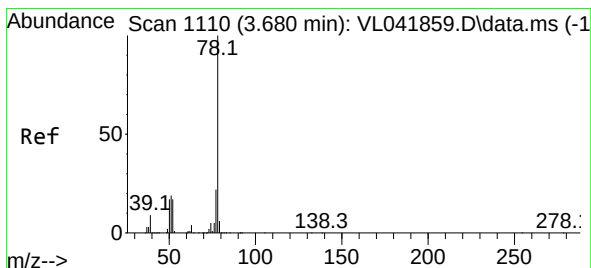
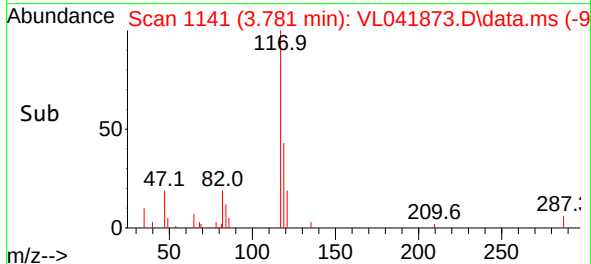
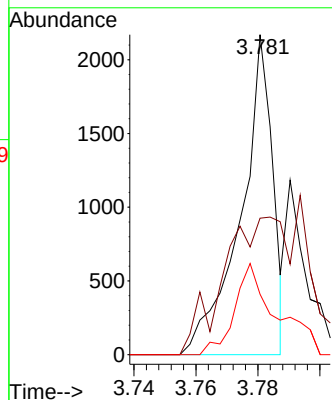
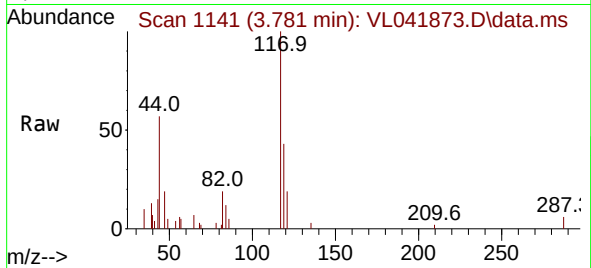




#35
Carbon Tetrachloride
Concen: 0.056 ppbv
RT: 3.781 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

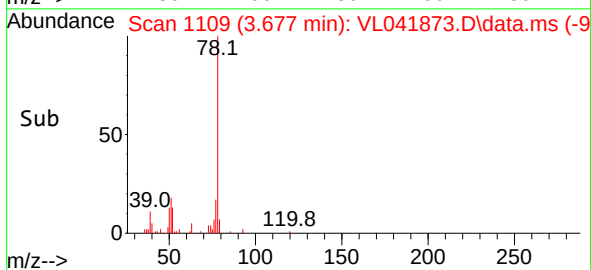
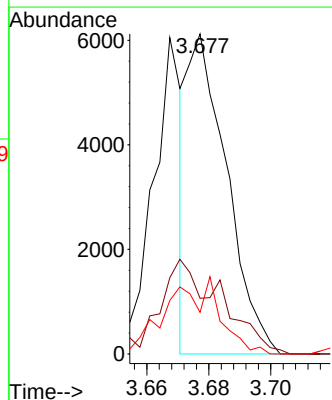
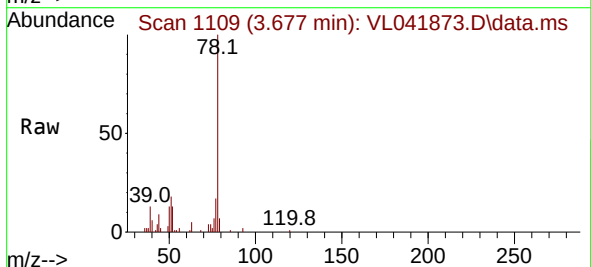
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

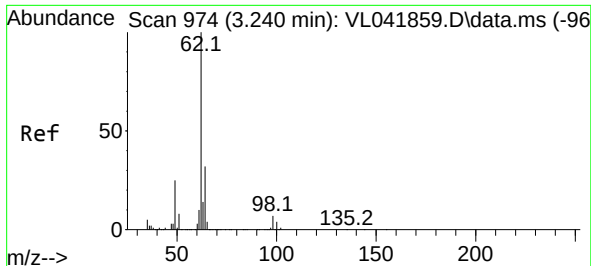
Tgt Ion:117 Resp: 1559
Ion Ratio Lower Upper
117 100
119 42.7 76.9 115.3#
121 18.9 25.9 38.9#



#36
Benzene
Concen: 0.130 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 78 Resp: 5396
Ion Ratio Lower Upper
78 100
77 16.1 17.9 26.9#
50 13.0 13.7 20.5#





#37

1,2-Dichloroethane

Concen: 0.020 ppbv

RT: 3.230 min Scan# 91

Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

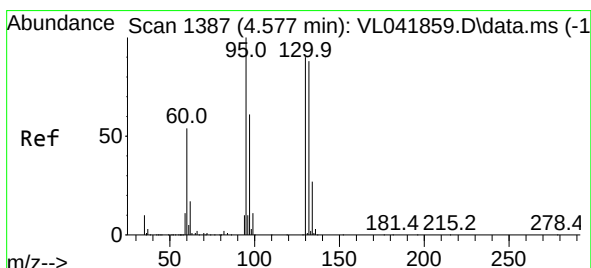
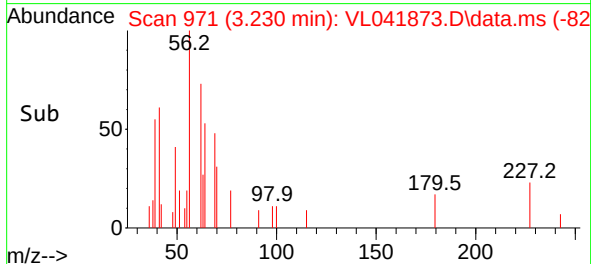
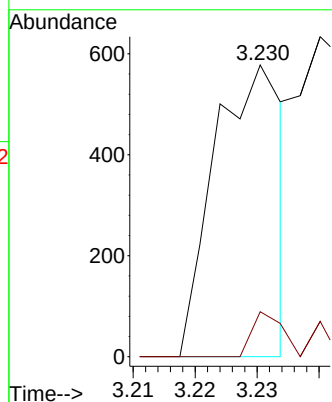
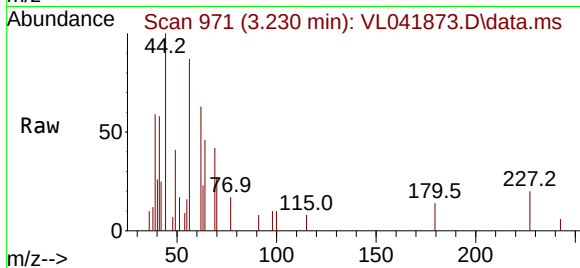
GARAGE

Tgt Ion: 62 Resp: 442

Ion Ratio Lower Upper

62 100

98 0.0 5.6 8.4#



#38

Trichloroethene

Concen: 0.002 ppbv

RT: 4.305 min Scan# 1303

Delta R.T. -0.272 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Tgt Ion:130 Resp: 36

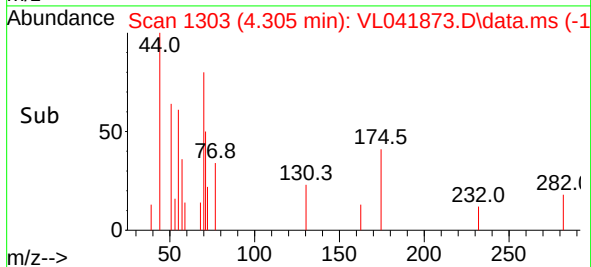
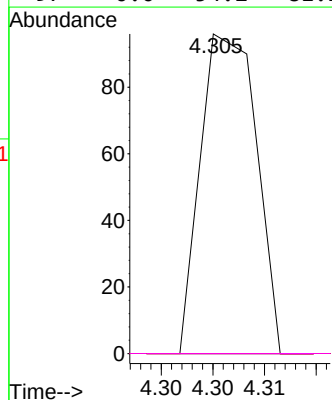
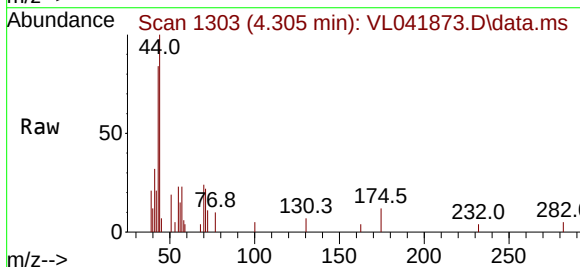
Ion Ratio Lower Upper

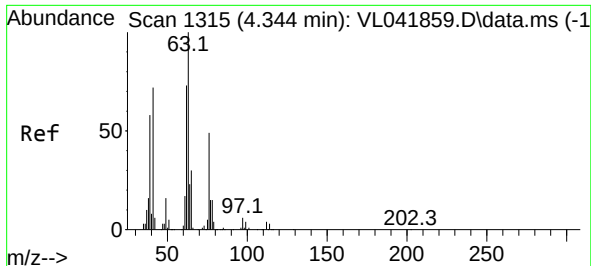
130 100

95 0.0 88.5 132.7#

132 0.0 78.2 117.2#

97 0.0 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 6.072 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.369 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

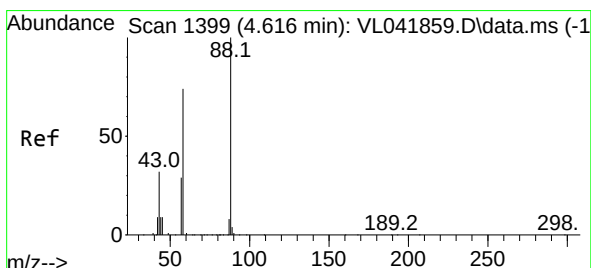
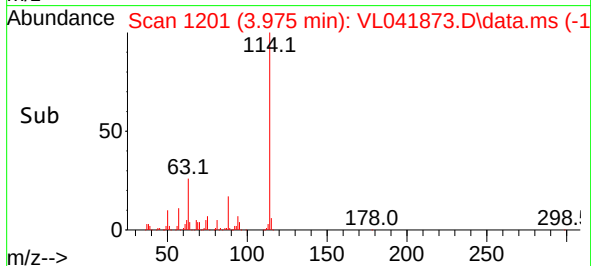
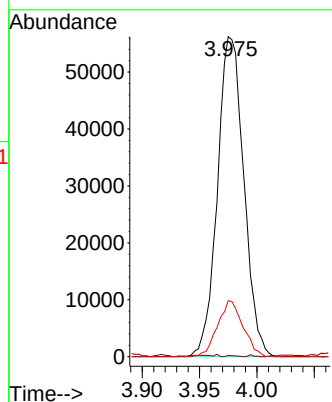
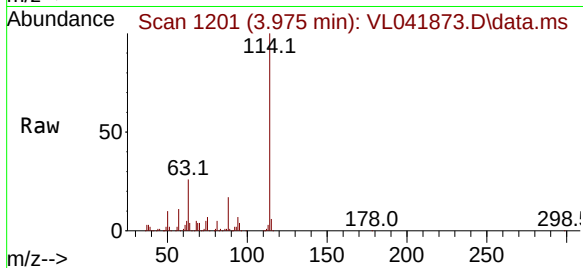
Tgt Ion: 63 Resp: 89907

Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 17.5 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.004 ppbv

RT: 4.431 min Scan# 1342

Delta R.T. -0.185 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Tgt Ion: 88 Resp: 31

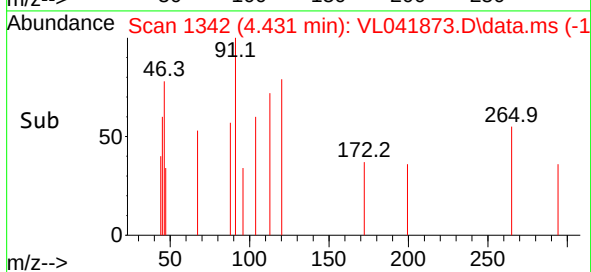
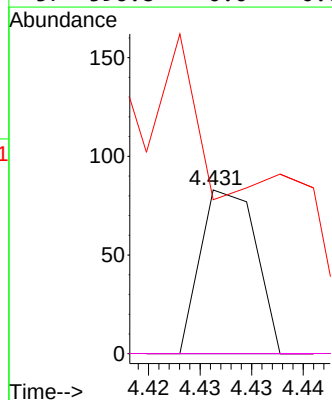
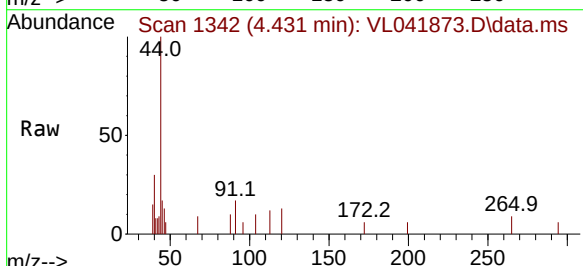
Ion Ratio Lower Upper

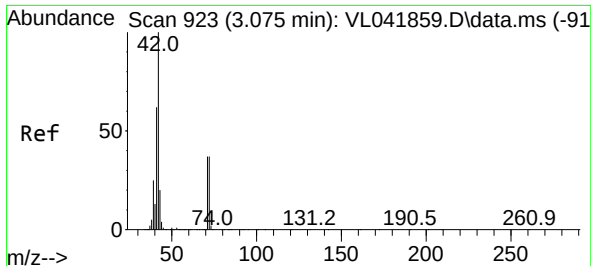
88 100

58 0.0 52.2 78.4#

43 1206.5 0.0 0.0#

57 596.8 0.0 0.0#

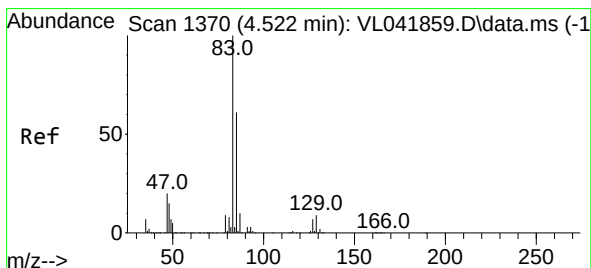
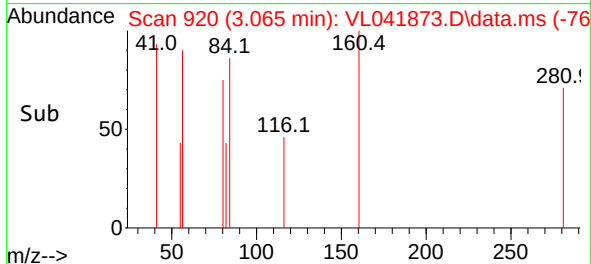
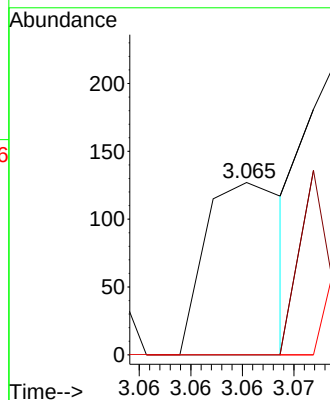
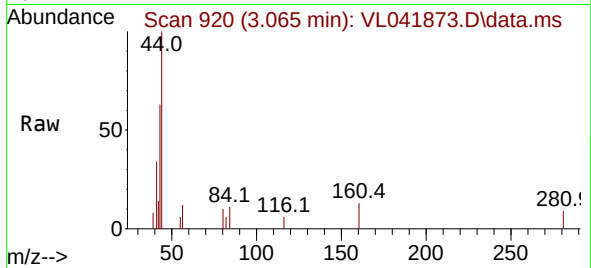




#41
Tetrahydrofuran
Concen: 0.004 ppbv
RT: 3.065 min Scan# 91
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

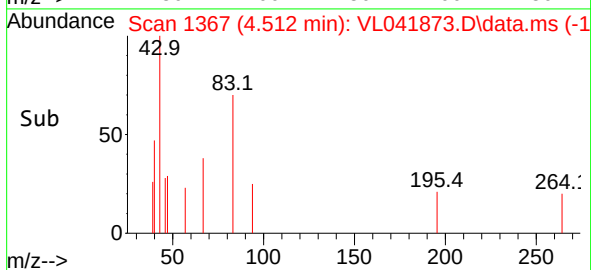
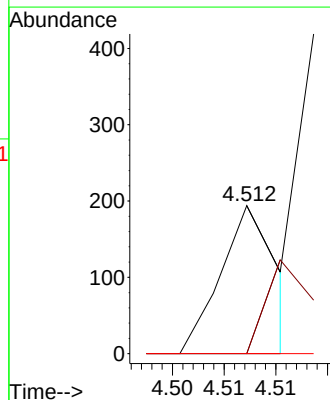
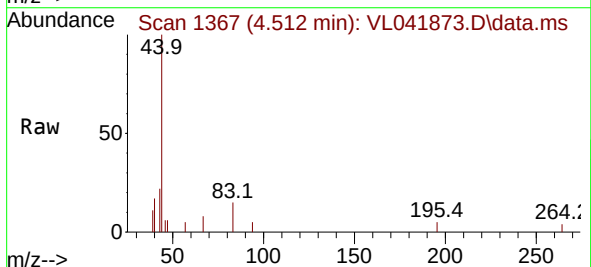
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

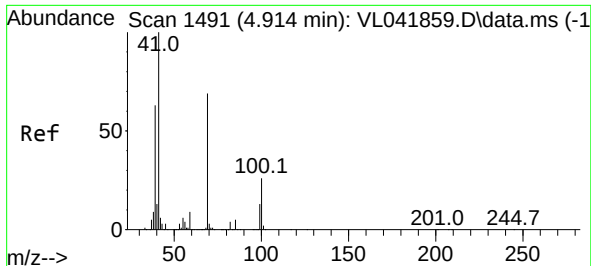
Tgt Ion: 42 Resp: 70
Ion Ratio Lower Upper
42 100
72 0.0 30.8 46.2#
71 0.0 30.1 45.1#



#42
Bromodichloromethane
Concen: 0.002 ppbv
RT: 4.512 min Scan# 1367
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 83 Resp: 74
Ion Ratio Lower Upper
83 100
85 0.0 48.9 73.3#
127 0.0 5.4 8.2#





#43

Methyl Methacrylate

Concen: 0.003 ppbv

RT: 4.904 min Scan# 1491

Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

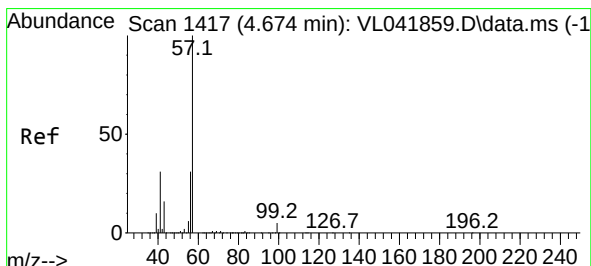
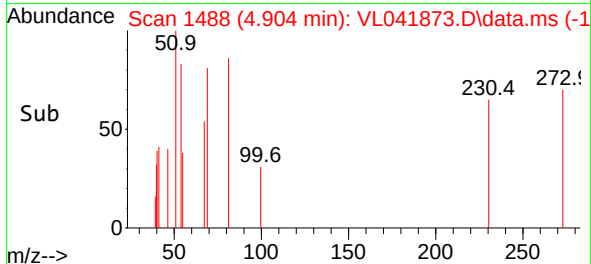
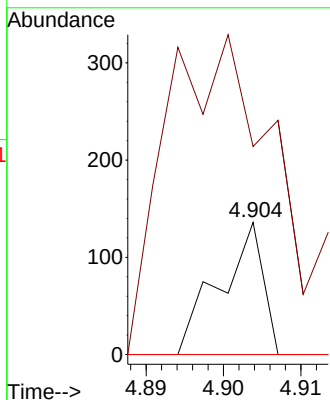
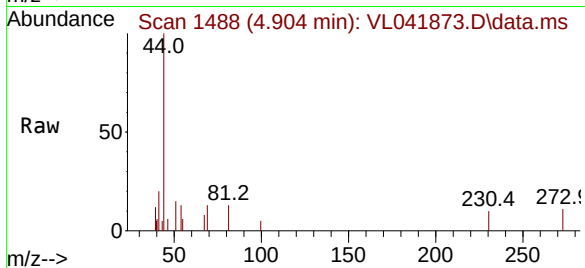
Instrument :

MSVOA_L

ClientSampleId :

GARAGE

Tgt Ion:	69	Resp:	53
Ion	Ratio	Lower	Upper
69	100		
41	1026.4	116.2	174.4#
100	0.0	29.8	44.8#



#44

2,2,4-Trimethylpentane

Concen: 0.028 ppbv

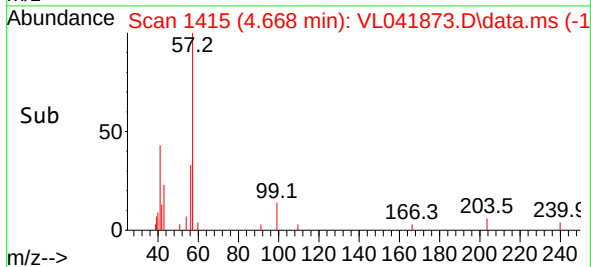
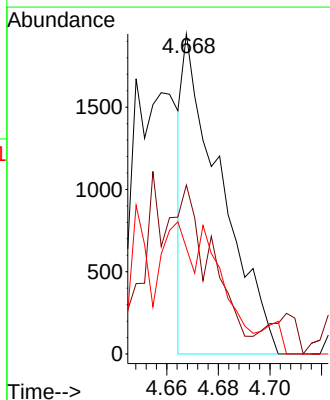
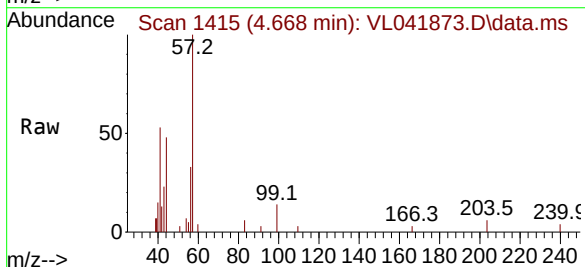
RT: 4.668 min Scan# 1415

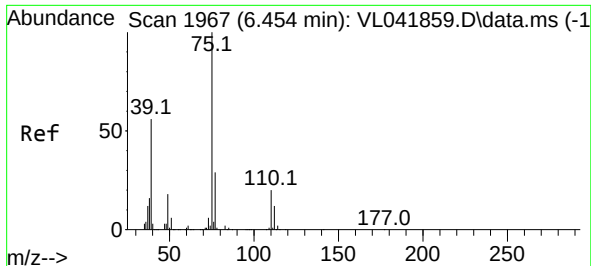
Delta R.T. -0.006 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Tgt Ion:	57	Resp:	1969
Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.5	38.3#
56	0.0	25.6	38.4#





#45

t-1,3-Dichloropropene

Concen: 0.003 ppbv

RT: 6.189 min Scan# 11

Delta R.T. -0.265 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

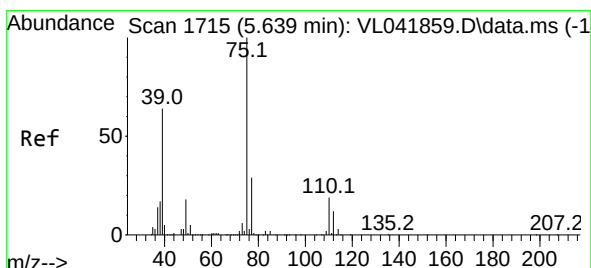
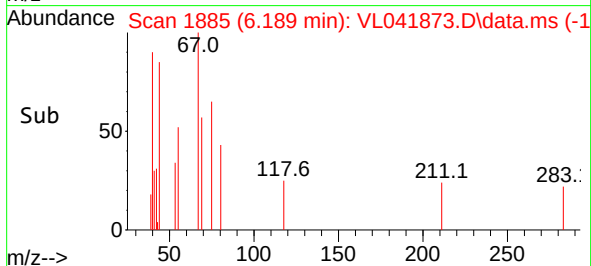
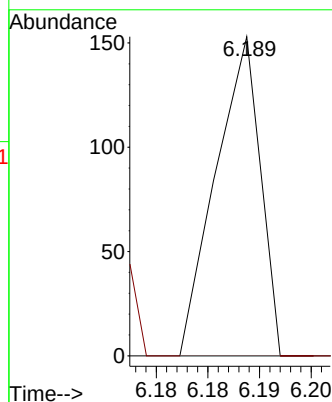
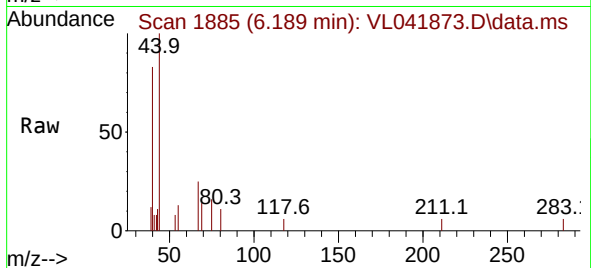
GARAGE

Tgt Ion: 75 Resp: 46

Ion Ratio Lower Upper

75 100

77 0.0 23.4 35.2#



#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 5.554 min Scan# 1689

Delta R.T. -0.084 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

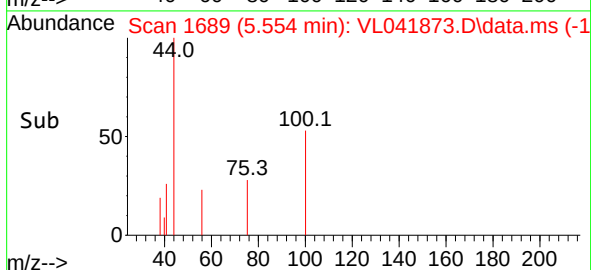
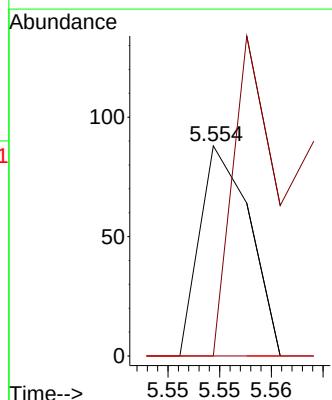
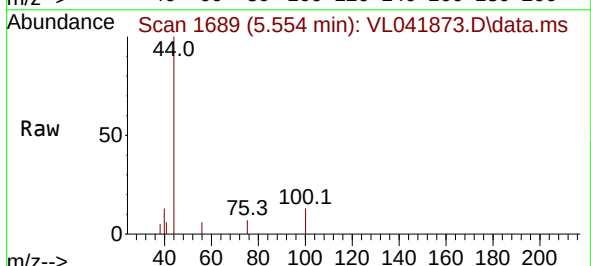
Tgt Ion: 75 Resp: 29

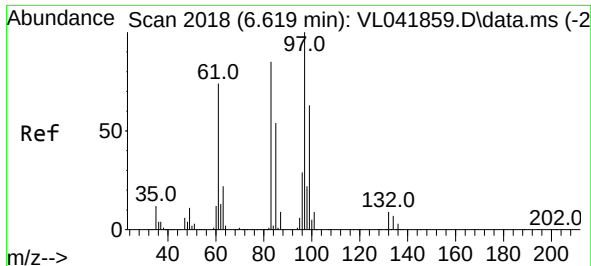
Ion Ratio Lower Upper

75 100

39 0.0 51.4 77.2#

77 0.0 23.0 34.4#

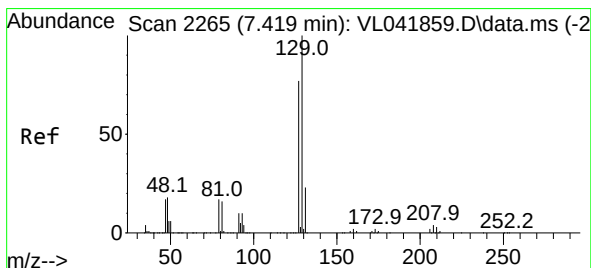
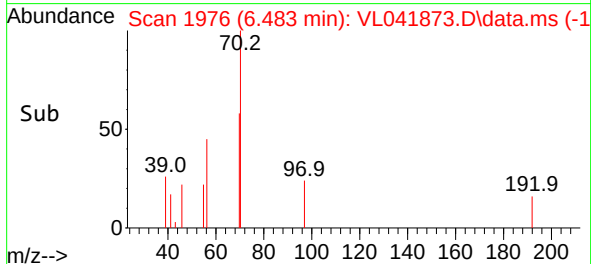
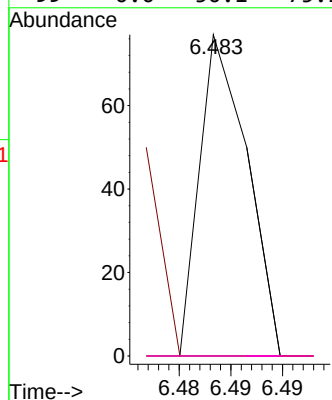
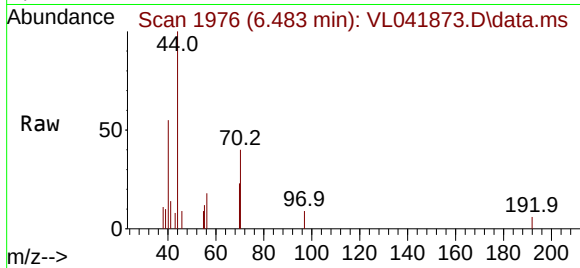




#47
1,1,2-Trichloroethane
Concen: 0.002 ppbv
RT: 6.483 min Scan# 19
Delta R.T. -0.136 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

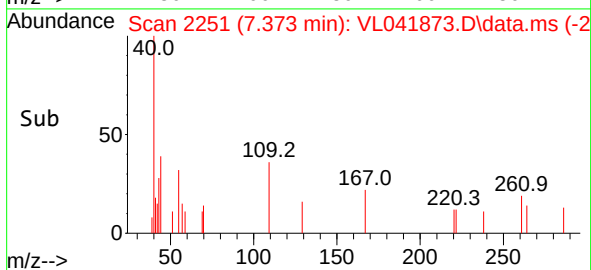
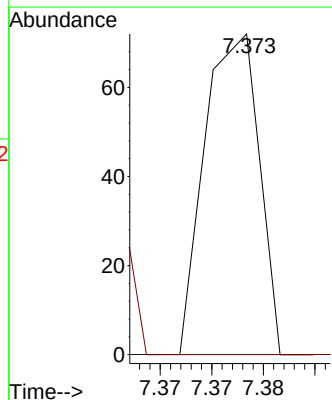
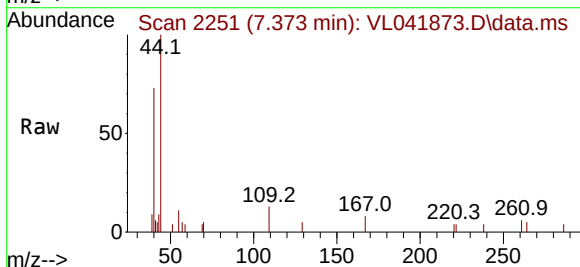
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

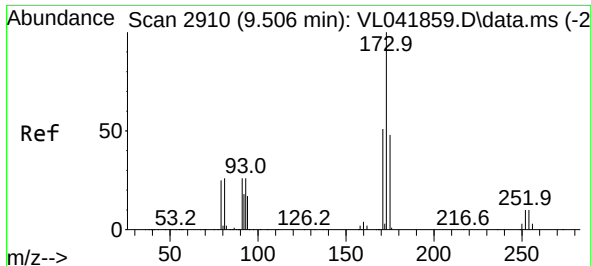
Tgt Ion: 97	Resp:	25
Ion	Ratio	Lower Upper
97	100	
83	0.0	68.1 102.1#
85	0.0	43.4 65.2#
99	0.0	50.1 75.1#



#48
Dibromochloromethane
Concen: 0.001 ppbv
RT: 7.373 min Scan# 2251
Delta R.T. -0.045 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 129	Resp:	26
Ion	Ratio	Lower Upper
129	100	
127	469.2	39.4 118.1#





#49

Bromoform

Concen: 0.002 ppbv

RT: 9.493 min Scan# 2910

Delta R.T. -0.013 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

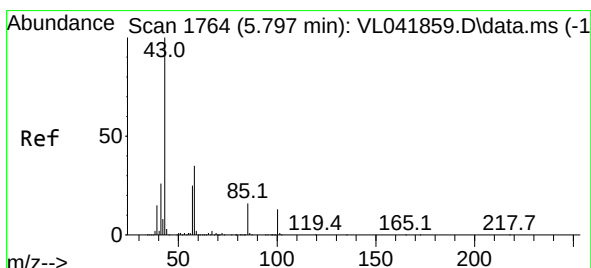
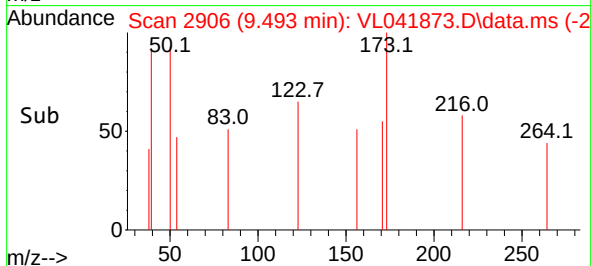
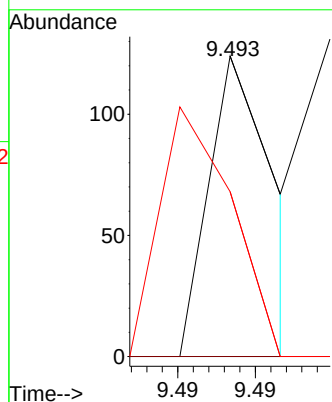
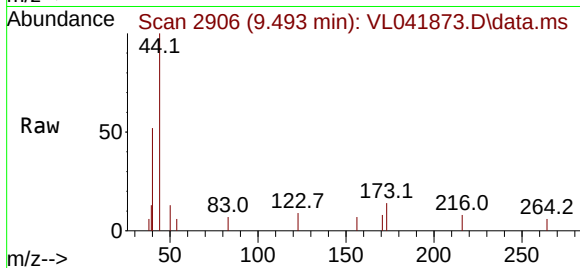
Tgt Ion:173 Resp: 37

Ion Ratio Lower Upper

173 100

175 0.0 38.2 57.2#

171 0.0 41.3 61.9#



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 5.791 min Scan# 1762

Delta R.T. -0.006 min

Lab File: VL041873.D

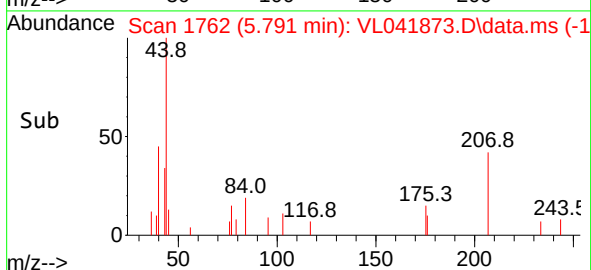
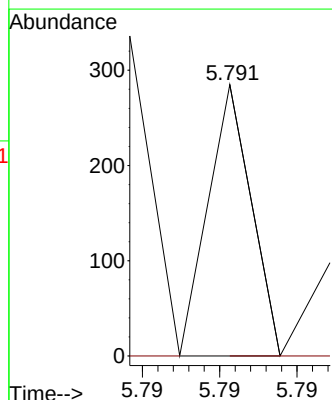
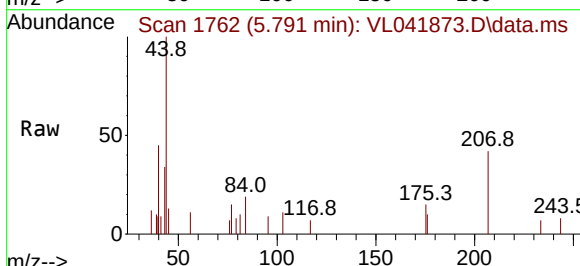
Acq: 09 Jan 2025 19:10

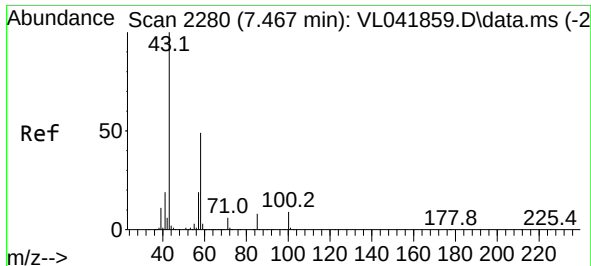
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#

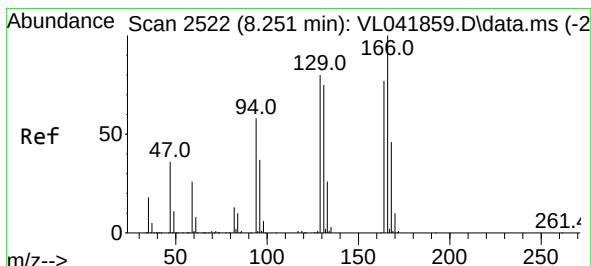
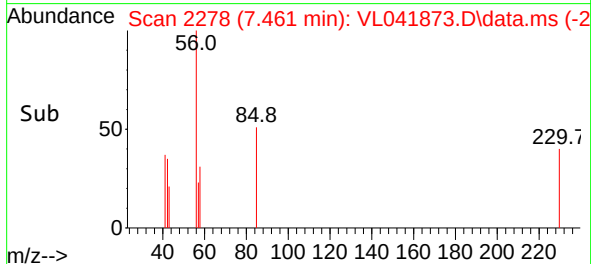
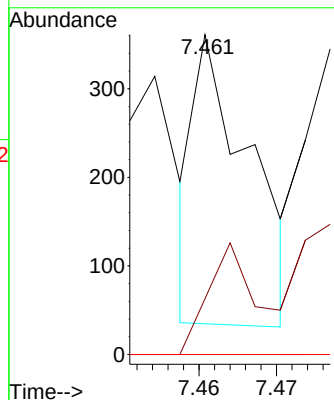
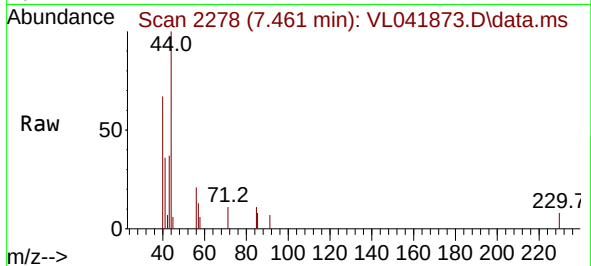




#51
2-Hexanone
Concen: 0.005 ppbv
RT: 7.461 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

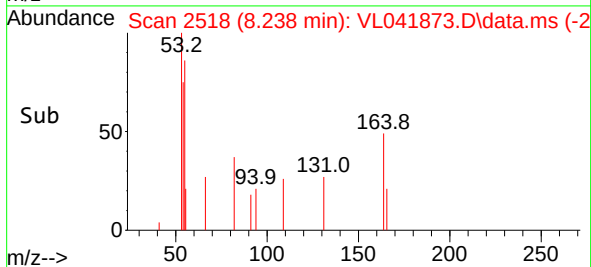
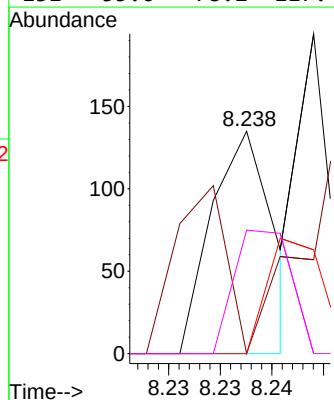
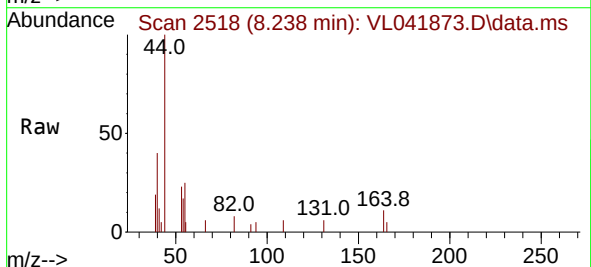
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

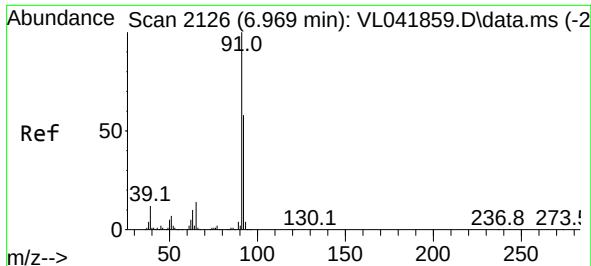
Tgt Ion: 43 Resp: 164
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.004 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.013 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 164 Resp: 57
Ion Ratio Lower Upper
164 100
166 0.0 103.6 155.4#
129 0.0 82.6 123.8#
131 55.6 78.2 117.4#

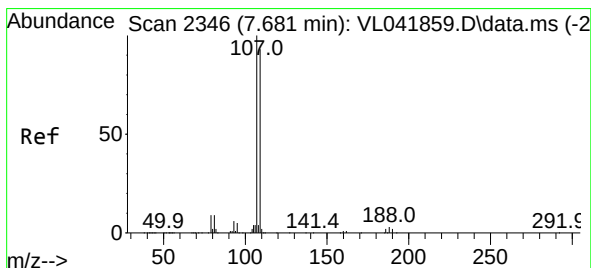
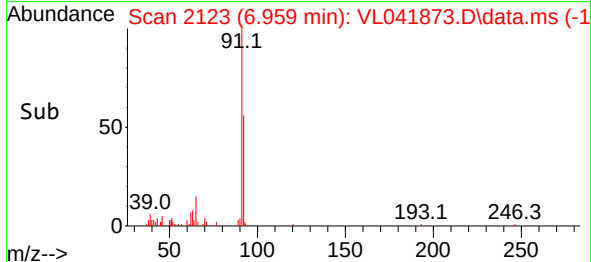
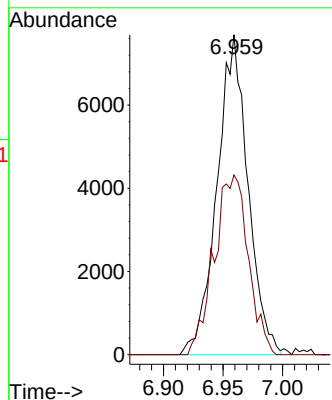
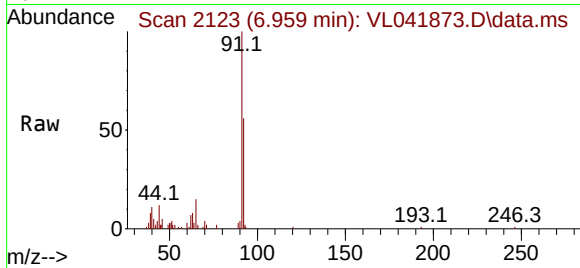




#53
Toluene
Concen: 0.280 ppbv
RT: 6.959 min Scan# 2126
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

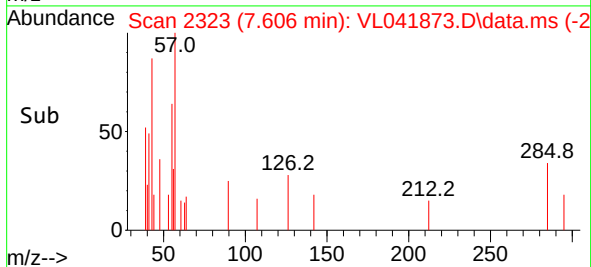
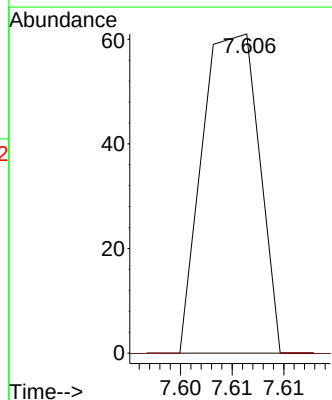
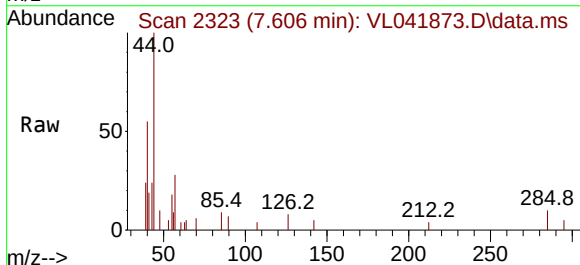
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

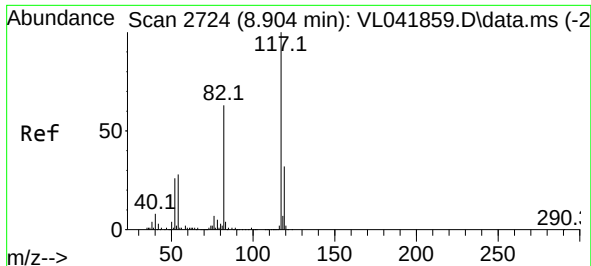
Tgt Ion: 91 Resp: 13871
Ion Ratio Lower Upper
91 100
92 62.2 47.2 70.8



#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 7.606 min Scan# 2323
Delta R.T. -0.074 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 107 Resp: 23
Ion Ratio Lower Upper
107 100
109 0.0 74.6 112.0#

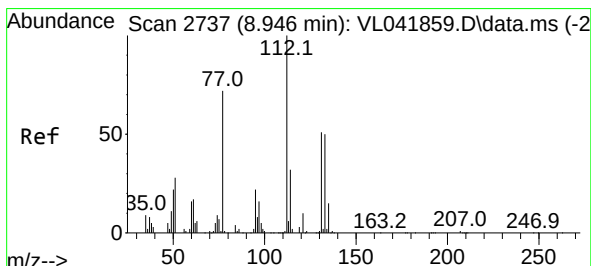
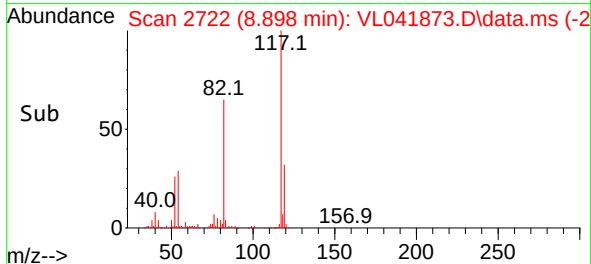
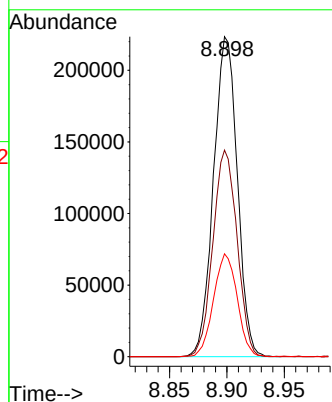
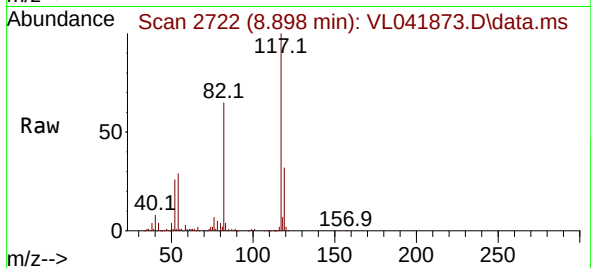




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

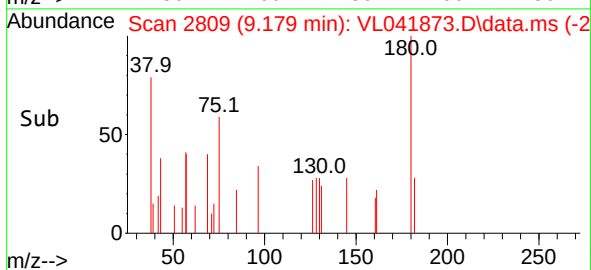
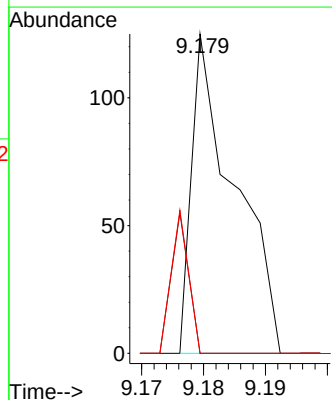
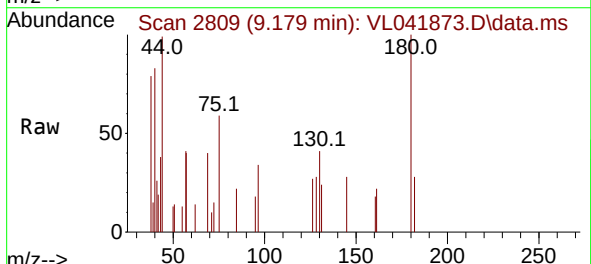
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

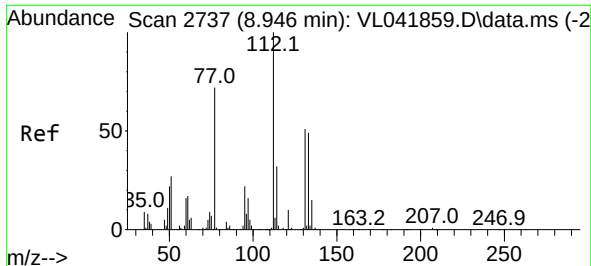
Tgt Ion:117 Resp: 322467
Ion Ratio Lower Upper
117 100
82 65.6 54.5 81.7
119 32.1 24.6 37.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.003 ppbv
RT: 9.179 min Scan# 2809
Delta R.T. 0.233 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion:131 Resp: 60
Ion Ratio Lower Upper
131 100
133 0.0 77.4 116.2#
119 0.0 49.4 74.0#

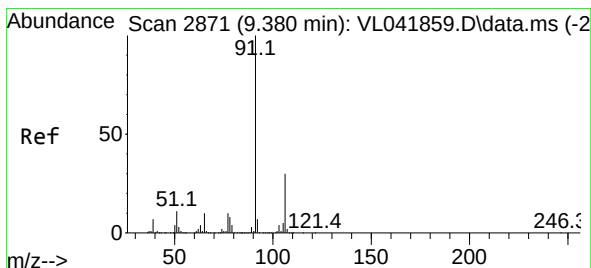
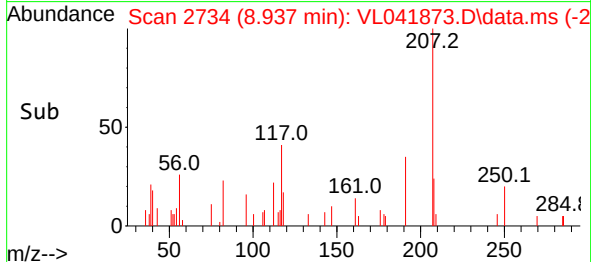
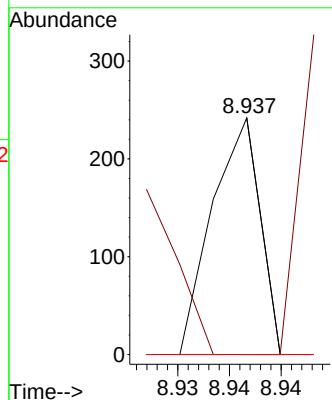
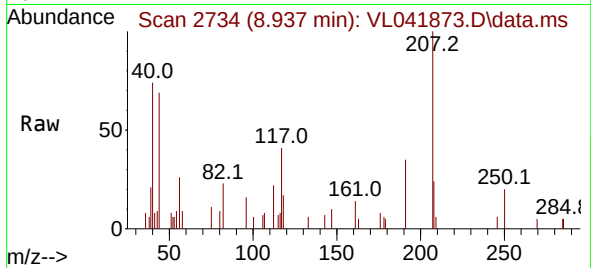




#57
Chlorobenzene
Concen: 0.002 ppbv
RT: 8.937 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

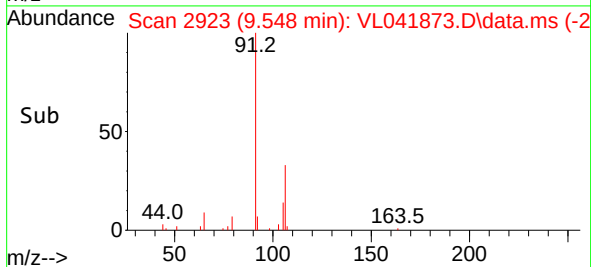
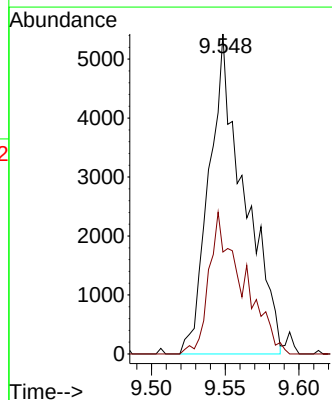
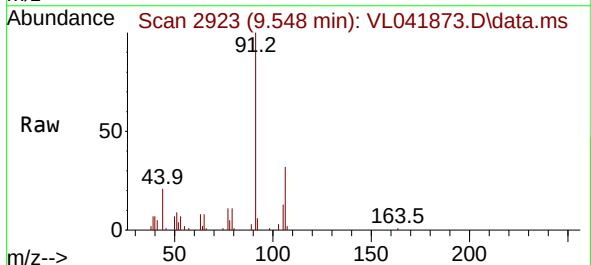
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

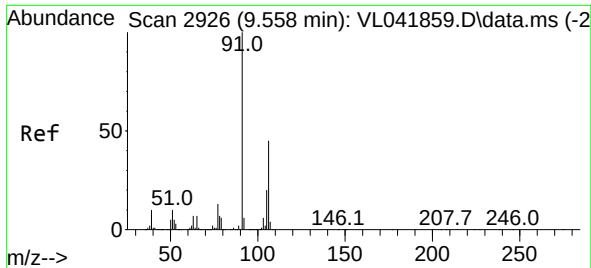
Tgt Ion:112 Resp: 78
Ion Ratio Lower Upper
112 100
77 0.0 58.3 87.5#
114 0.0 28.9 35.3#



#58
Ethyl Benzene
Concen: 0.136 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. 0.168 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 91 Resp: 9007
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.2





#59

m/p-Xylene

Concen: 0.172 ppbv

RT: 9.548 min Scan# 2926

Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

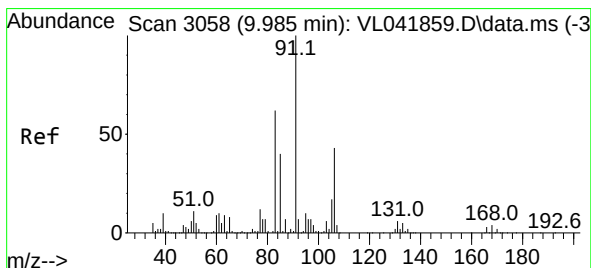
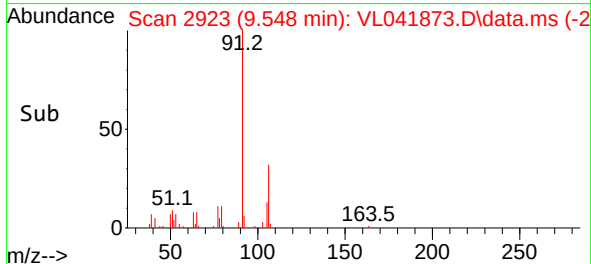
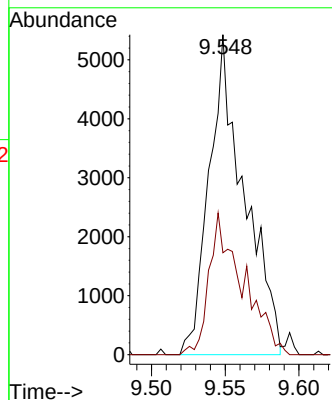
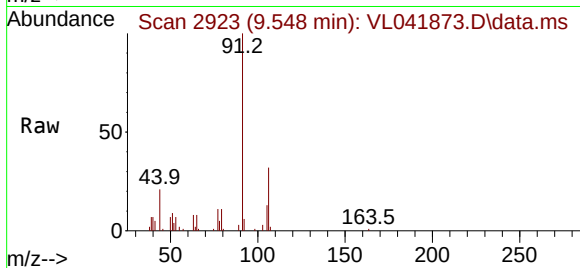
GARAGE

Tgt Ion: 91 Resp: 9007

Ion Ratio Lower Upper

91 100

106 42.4 0.0 0.0#



#60

o-Xylene

Concen: 0.079 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. -0.006 min

Lab File: VL041873.D

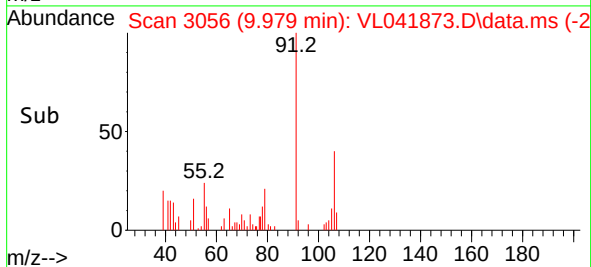
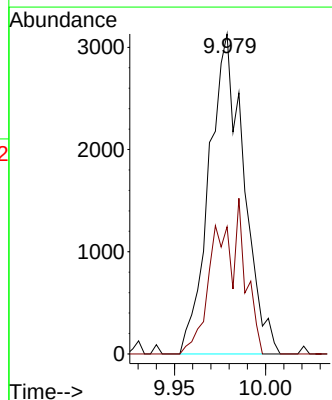
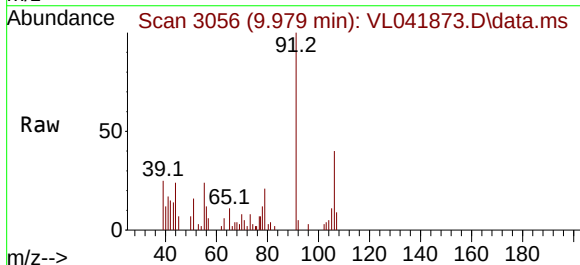
Acq: 09 Jan 2025 19:10

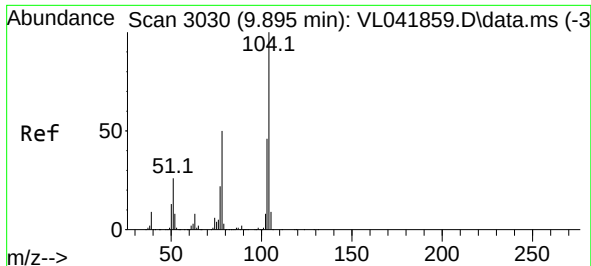
Tgt Ion: 91 Resp: 4146

Ion Ratio Lower Upper

91 100

106 41.6 21.4 64.3

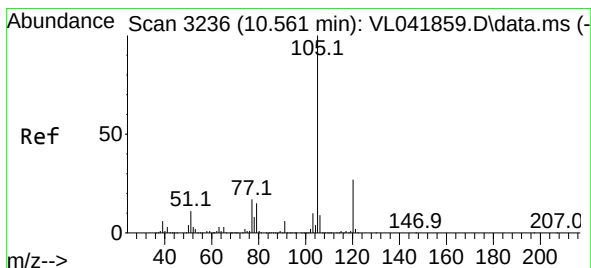
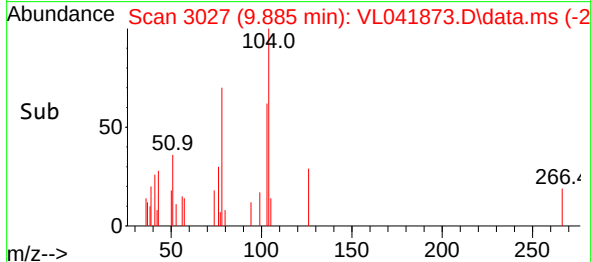
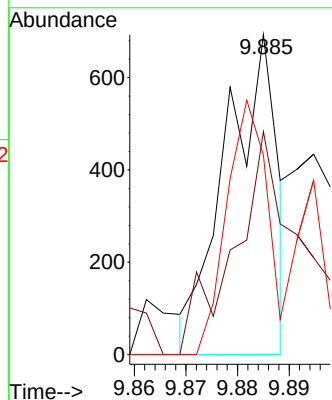
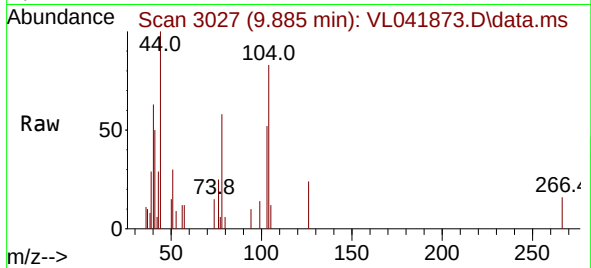




#61
Styrene
Concen: 0.018 ppbv
RT: 9.885 min Scan# 3030
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

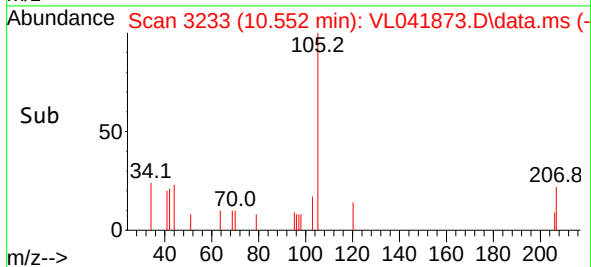
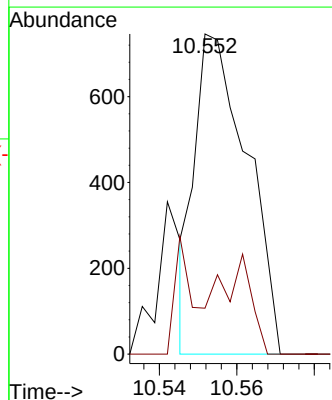
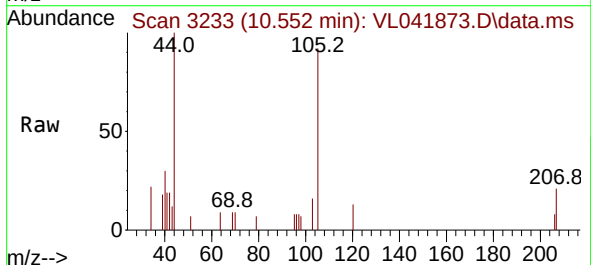
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

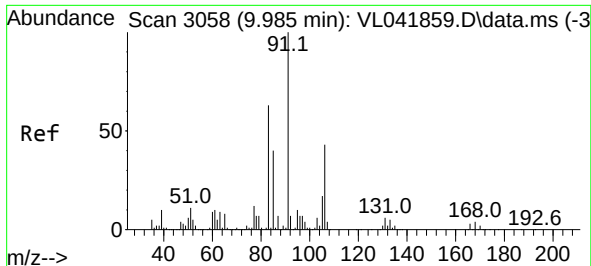
Tgt Ion:104 Resp: 479
Ion Ratio Lower Upper
104 100
78 104.2 40.7 61.1#
103 92.3 37.0 55.6#



#62
Isopropylbenzene
Concen: 0.009 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion:105 Resp: 699
Ion Ratio Lower Upper
105 100
120 0.0 20.3 30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

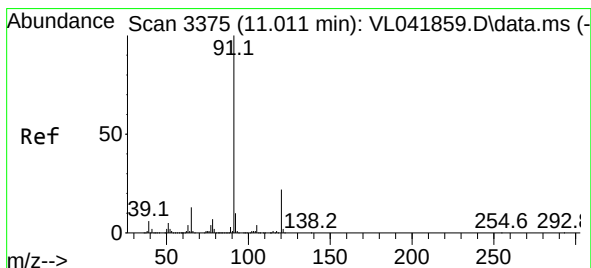
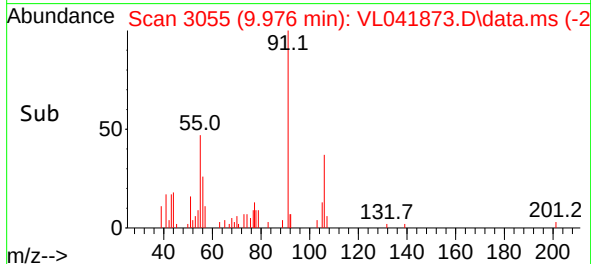
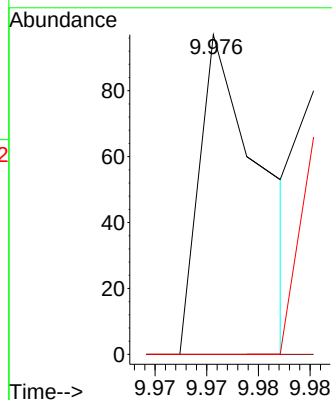
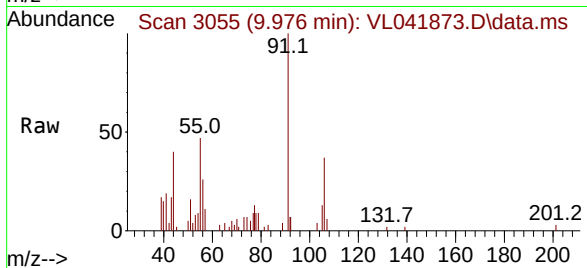
Tgt Ion: 83 Resp: 41

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 32.1 96.3#



#64

n-propylbenzene

Concen: 0.008 ppbv

RT: 11.005 min Scan# 3373

Delta R.T. -0.006 min

Lab File: VL041873.D

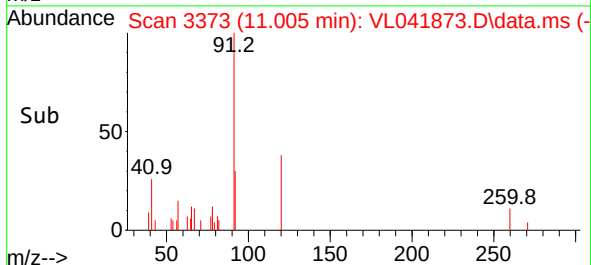
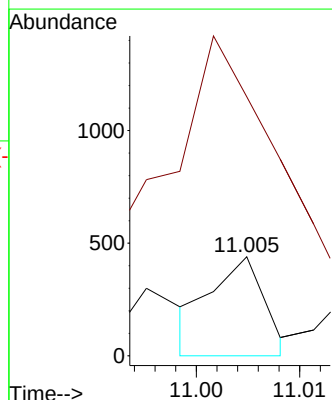
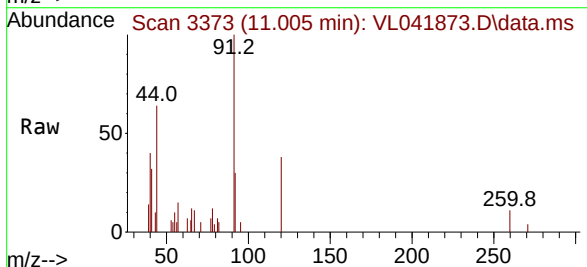
Acq: 09 Jan 2025 19:10

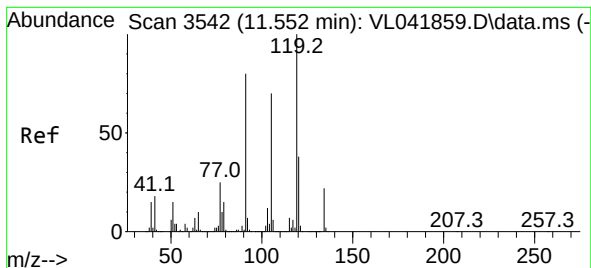
Tgt Ion: 120 Resp: 157

Ion Ratio Lower Upper

120 100

91 892.4 376.9 565.3#

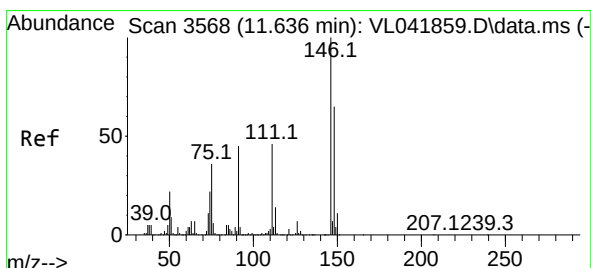
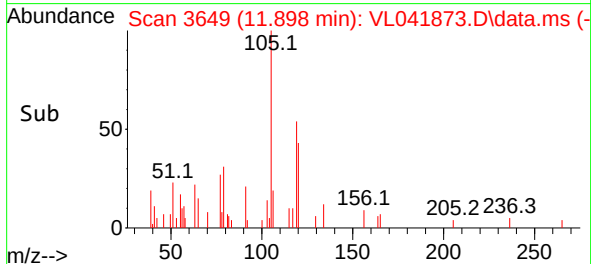
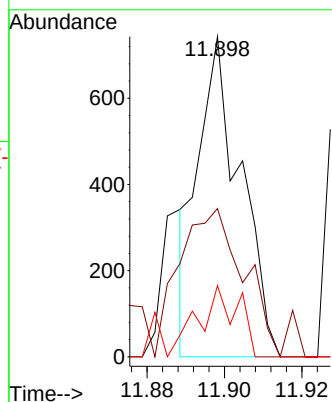
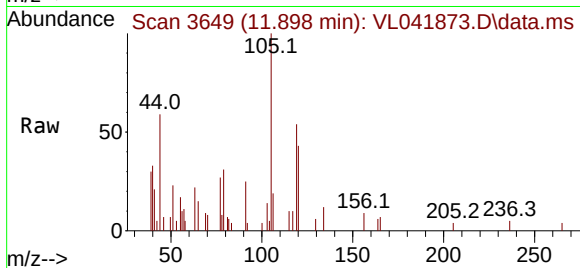




#65
tert-Butylbenzene
Concen: 0.008 ppbv
RT: 11.898 min Scan# 3542
Delta R.T. 0.346 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

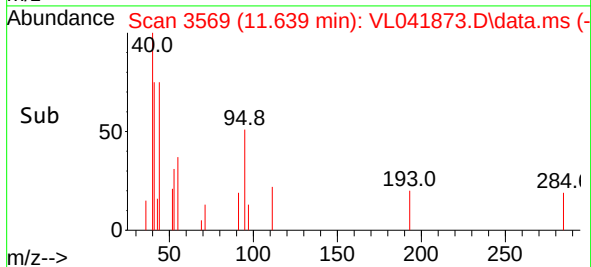
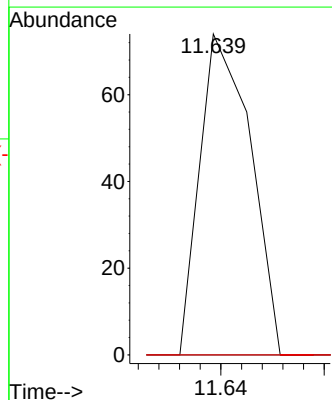
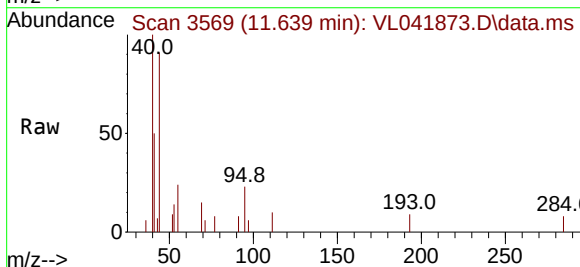
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

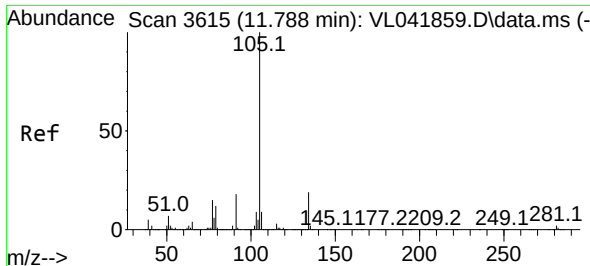
Tgt Ion:	119	Resp:	565
Ion	Ratio	Lower	Upper
119	100		
91	74.0	64.6	97.0
134	24.2	16.9	25.3



#66
Benzyl Chloride
Concen: 0.003 ppbv
RT: 11.639 min Scan# 3569
Delta R.T. 0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion:	91	Resp:	25
Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.9	20.9#
128	0.0	4.8	7.2#

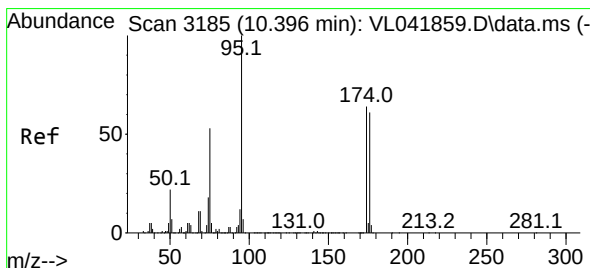
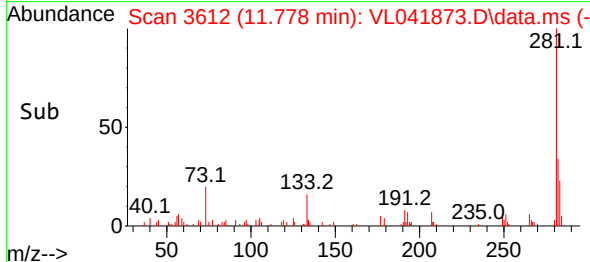
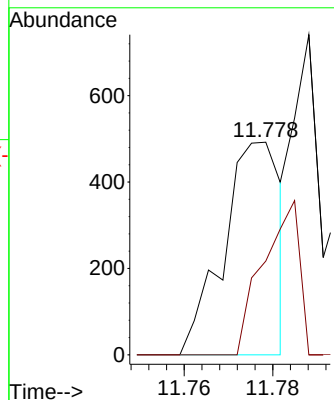
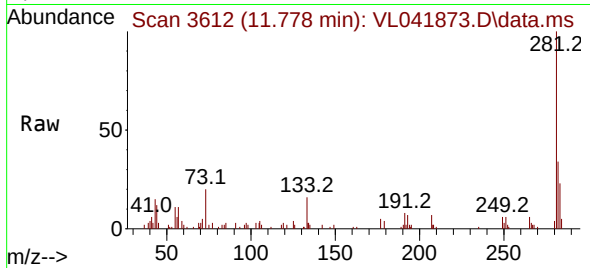




#67
 sec-Butylbenzene
 Concen: 0.004 ppbv
 RT: 11.778 min Scan# 3612
 Delta R.T. -0.010 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

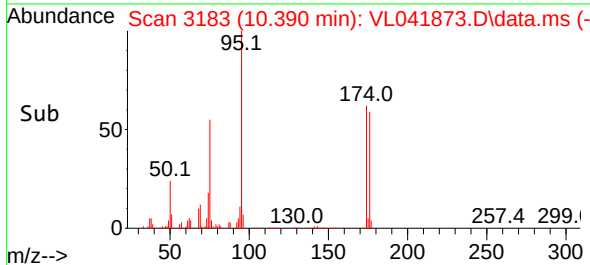
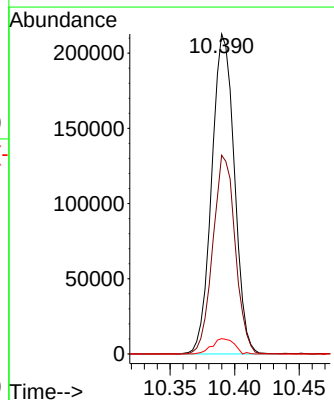
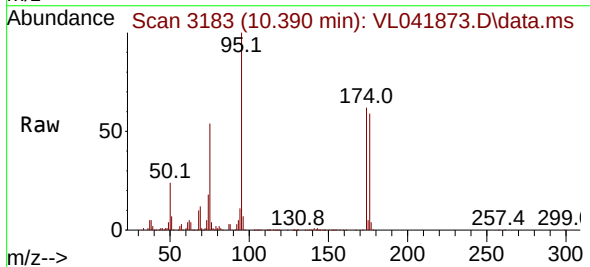
Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

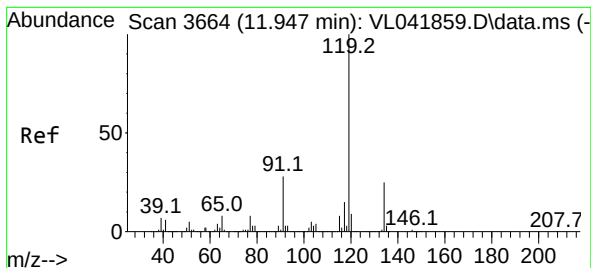
Tgt Ion:105 Resp: 441
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.027 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.007 min
 Lab File: VL041873.D
 Acq: 09 Jan 2025 19:10

Tgt Ion: 95 Resp: 259255
 Ion Ratio Lower Upper
 95 100
 174 61.4 51.1 76.7
 175 4.7 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.015 ppbv

RT: 11.937 min Scan# 3

Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

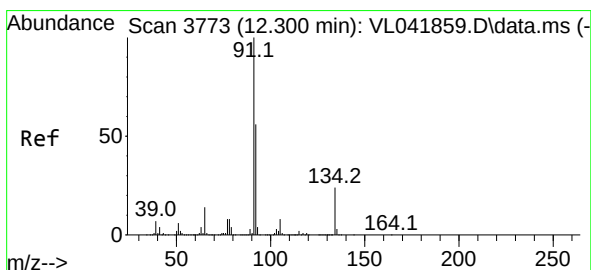
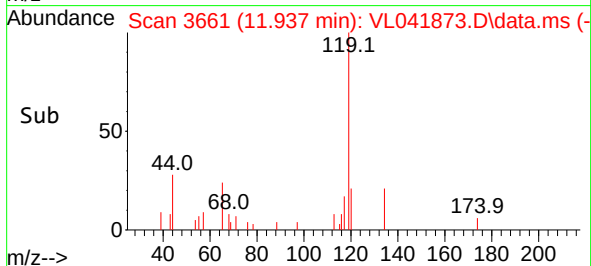
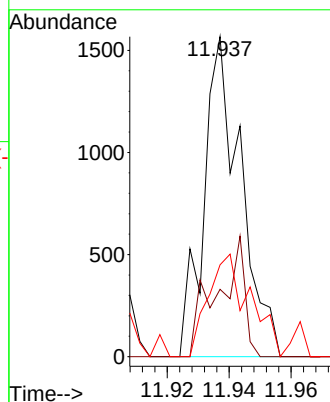
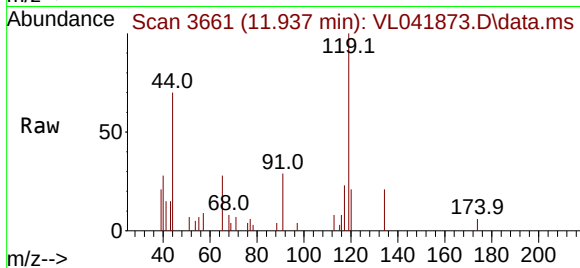
Tgt Ion:119 Resp: 1295

Ion Ratio Lower Upper

119 100

134 28.4 20.3 30.5

91 39.8 22.6 34.0#



#70

n-Butylbenzene

Concen: 0.013 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. -0.006 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

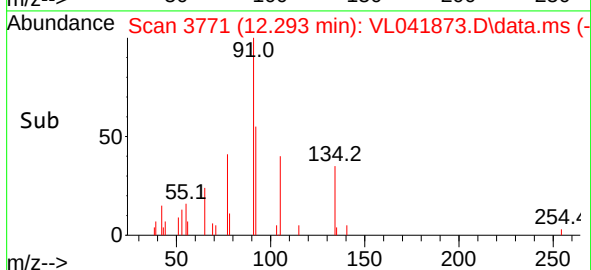
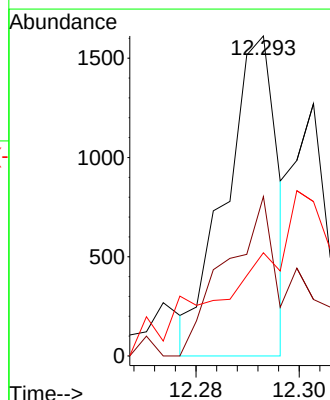
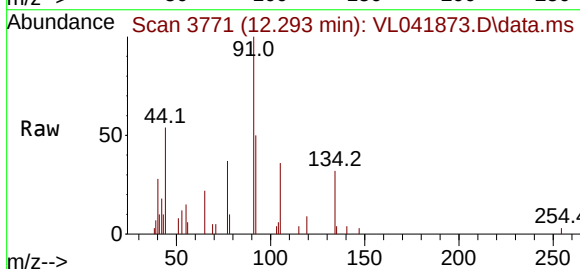
Tgt Ion: 91 Resp: 1120

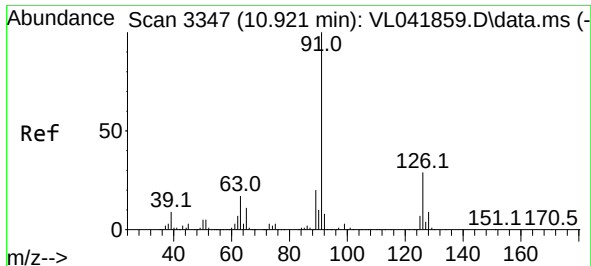
Ion Ratio Lower Upper

91 100

92 67.5 43.8 65.8#

134 0.0 19.3 28.9#

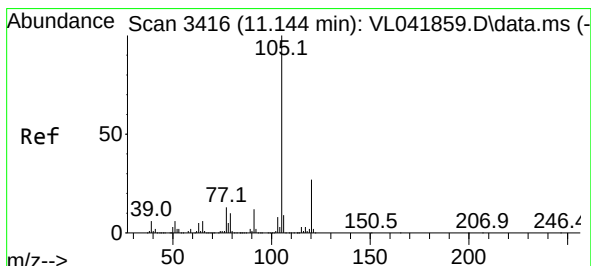
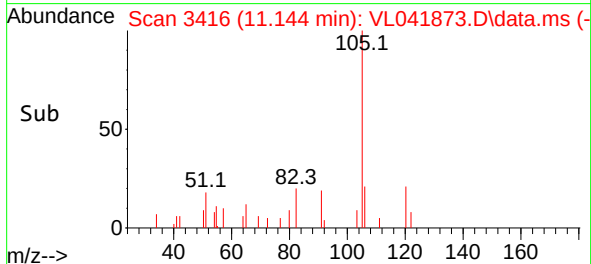
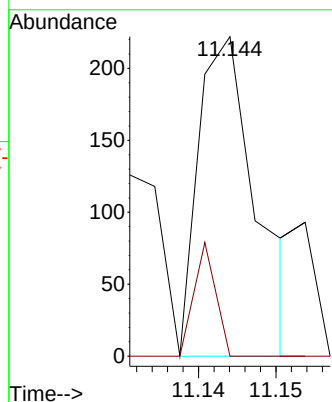
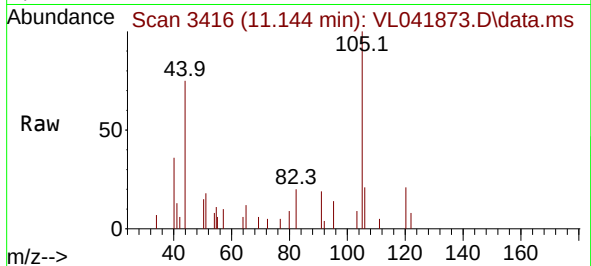




#71
2-Chlorotoluene
Concen: 0.002 ppbv
RT: 11.144 min Scan# 3416
Delta R.T. 0.223 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

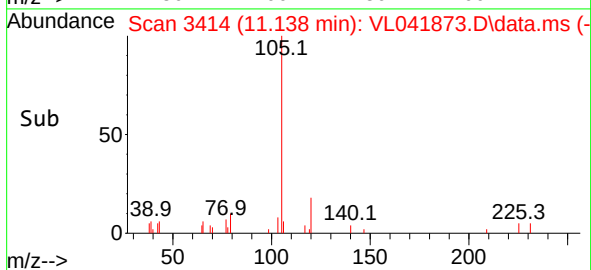
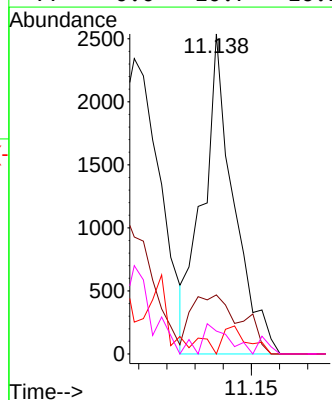
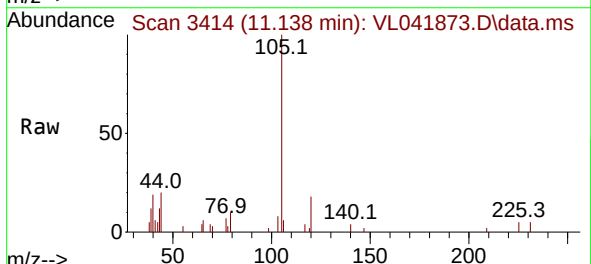
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

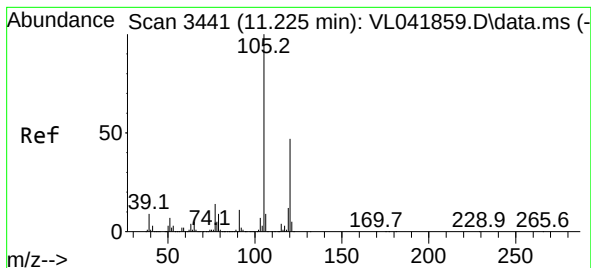
Tgt Ion: 91 Resp: 115
Ion Ratio Lower Upper
91 100
126 13.0 11.6 46.6



#72
4-Ethyltoluene
Concen: 0.030 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 105 Resp: 1929
Ion Ratio Lower Upper
105 100
120 0.0 23.5 35.3#
91 8.1 9.8 14.8#
77 0.0 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.034 ppbv

RT: 11.219 min Scan# 3441

Delta R.T. -0.006 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

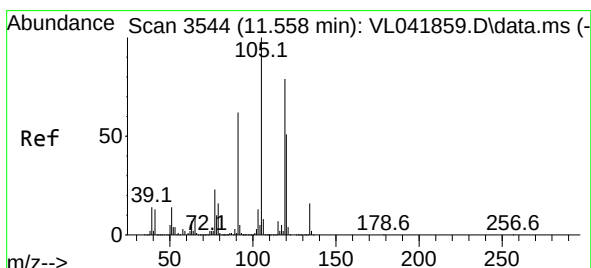
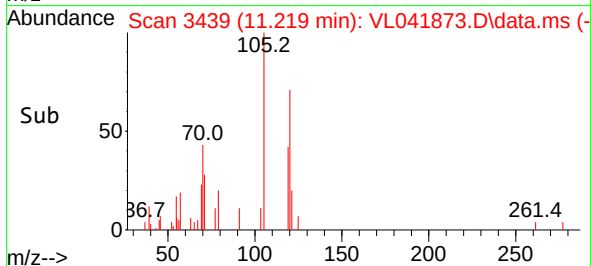
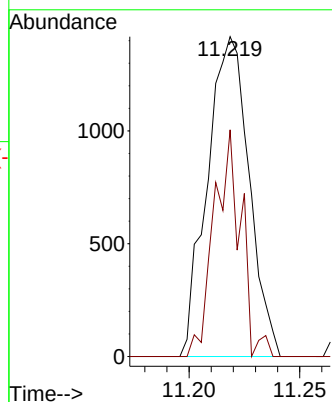
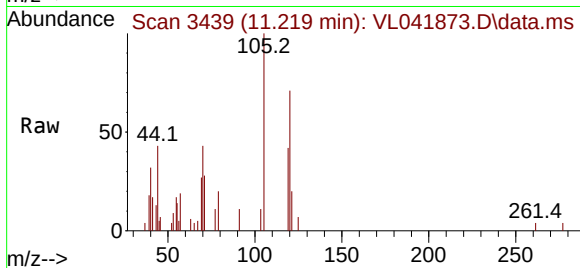
GARAGE

Tgt Ion:105 Resp: 1863

Ion Ratio Lower Upper

105 100

120 70.9 37.2 55.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.109 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Tgt Ion:105 Resp: 6458

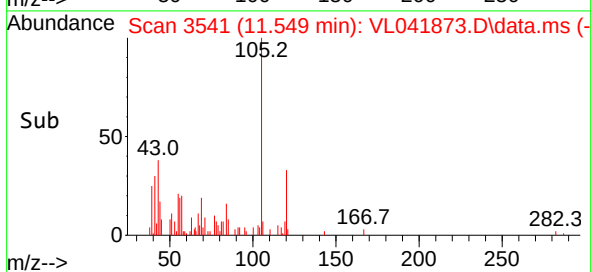
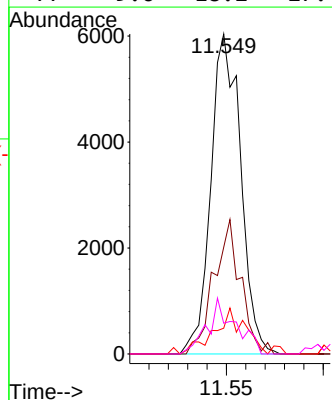
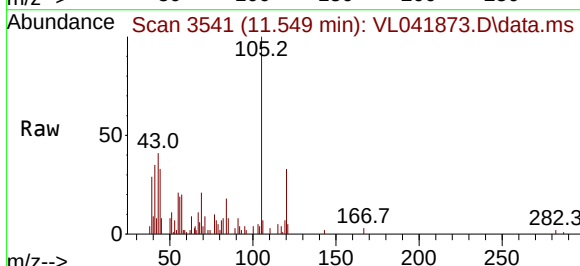
Ion Ratio Lower Upper

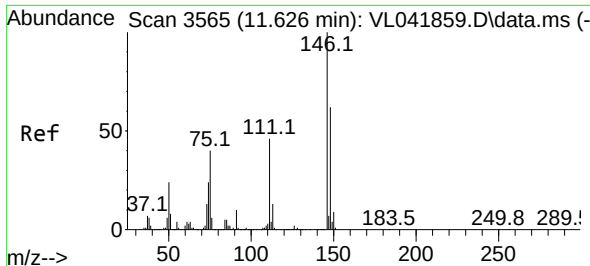
105 100

120 33.4 41.1 61.7#

91 8.0 50.0 75.0#

77 9.6 18.2 27.4#

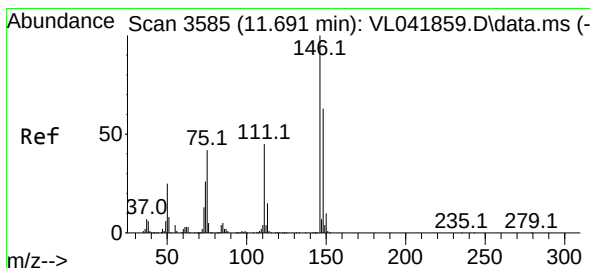
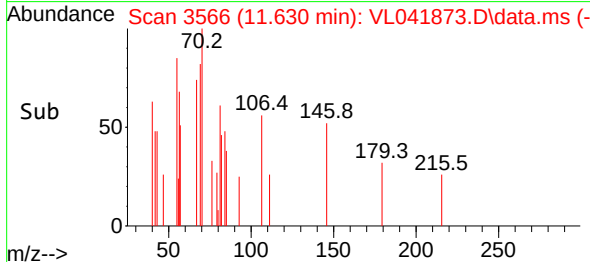
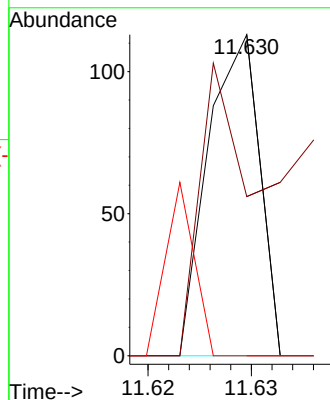
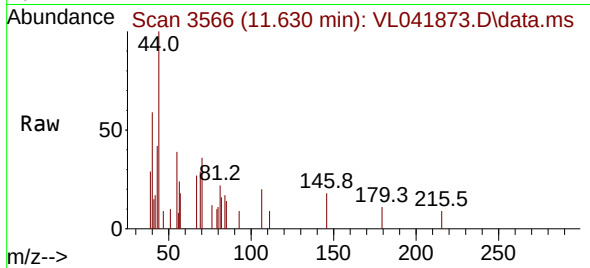




#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 11.630 min Scan# 3566
Delta R.T. 0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

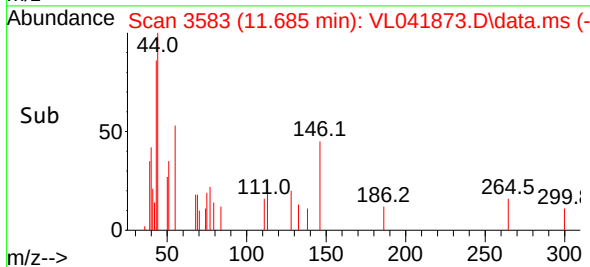
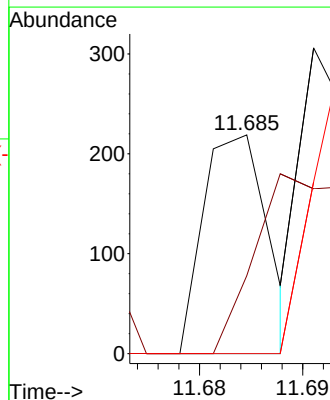
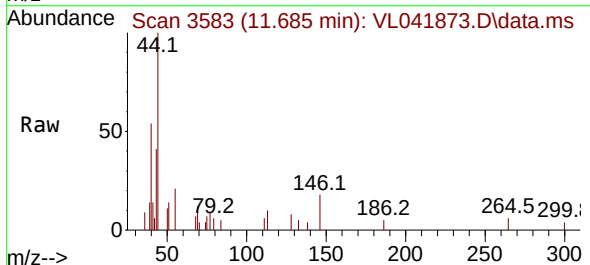
Instrument :
MSVOA_1
ClientSampleId :
GARAGE

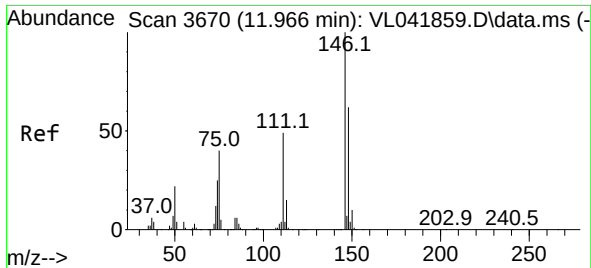
Tgt Ion:146 Resp: 39
Ion Ratio Lower Upper
146 100
111 235.9 23.2 69.5#
148 30.8 31.6 94.7#



#76
1,4-Dichlorobenzene
Concen: 0.003 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion:146 Resp: 96
Ion Ratio Lower Upper
146 100
111 0.0 22.1 66.1#
148 0.0 31.2 93.6#

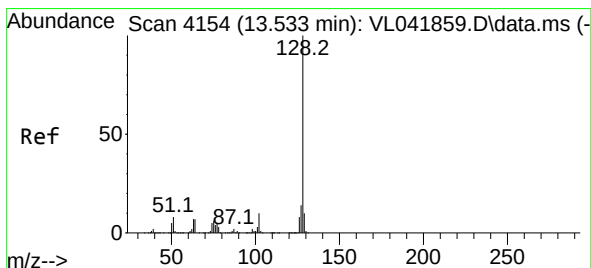
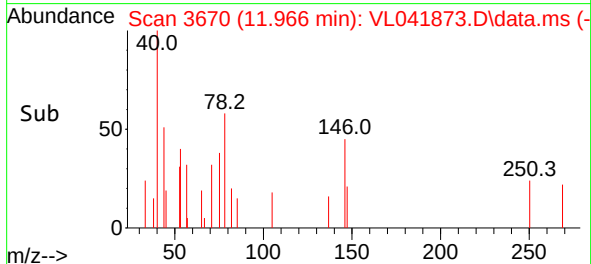
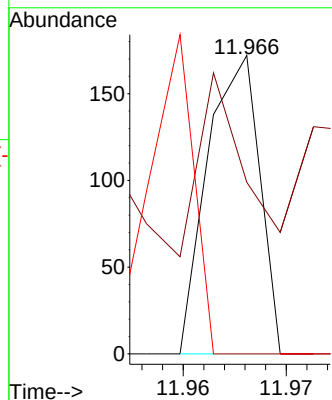
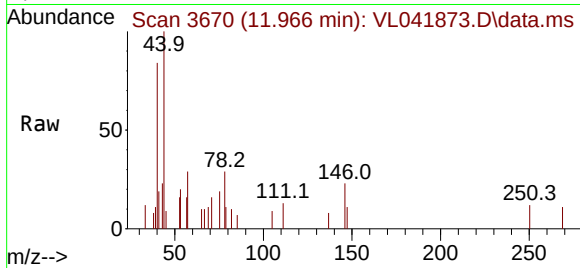




#77
1,2-Dichlorobenzene
Concen: 0.002 ppbv
RT: 11.966 min Scan# 30
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

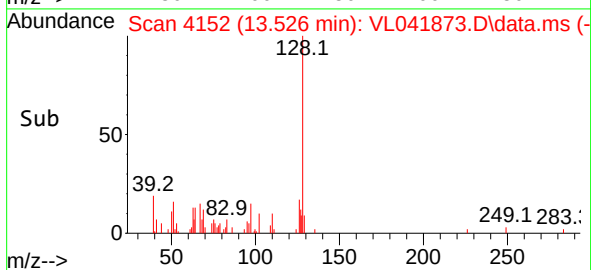
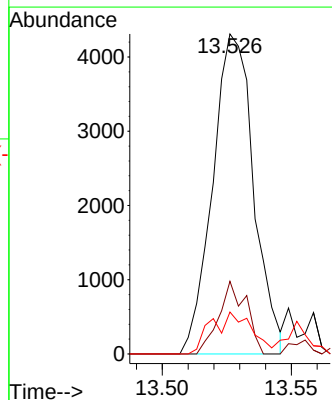
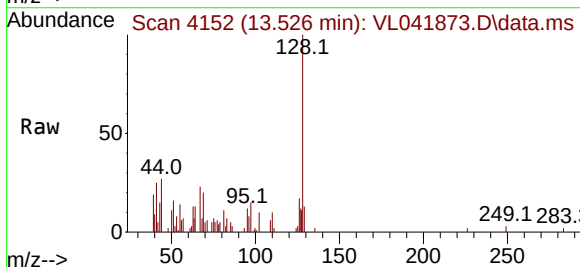
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

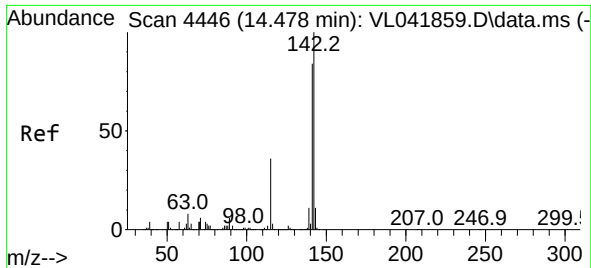
Tgt Ion:146 Resp: 60
Ion Ratio Lower Upper
146 100
111 270.0 24.1 72.3#
148 0.0 31.5 94.5#



#79
Naphthalene
Concen: 0.075 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.007 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion:128 Resp: 4760
Ion Ratio Lower Upper
128 100
127 22.7 10.8 16.2#
129 13.1 8.2 12.4#

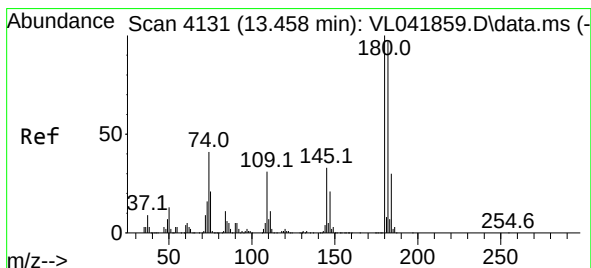
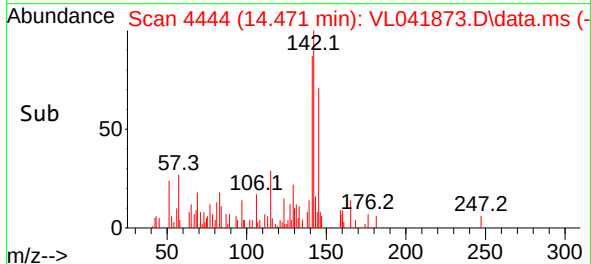
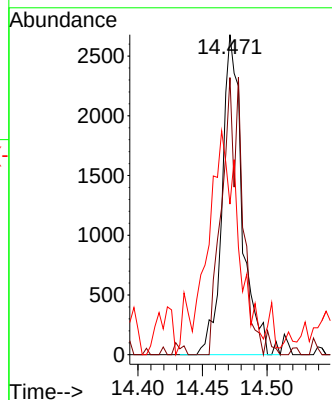
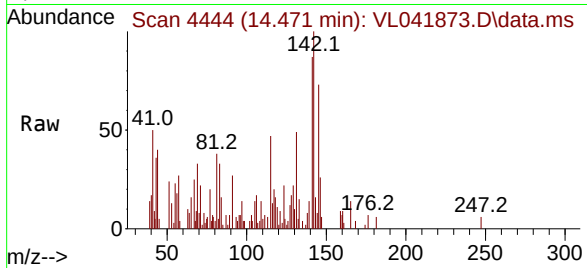




#80
Naphthalene, 2-methyl-
Concen: 0.084 ppbv
RT: 14.471 min Scan# 4128
Delta R.T. -0.007 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

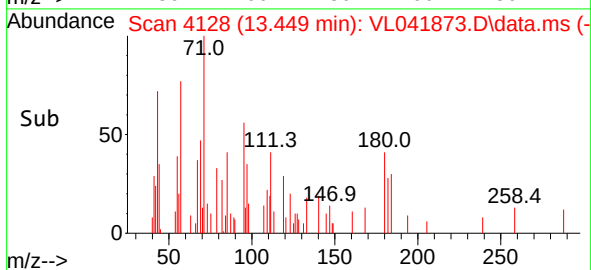
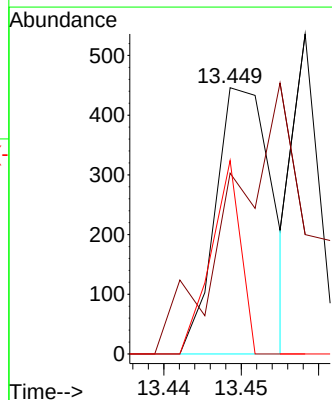
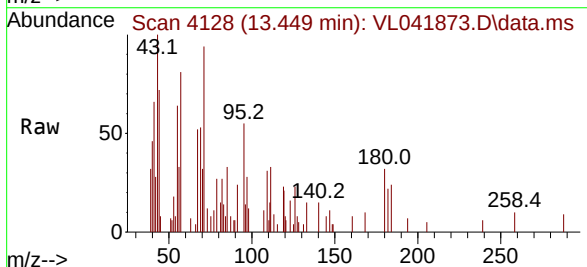
Instrument :
MSVOA_L
ClientSampleId :
GARAGE

Tgt Ion:142 Resp: 2898
Ion Ratio Lower Upper
142 100
141 94.1 68.2 102.4
115 106.0 29.4 44.2#



#81
1,2,4-Trichlorobenzene
Concen: 0.008 ppbv
RT: 13.449 min Scan# 4128
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion:180 Resp: 231
Ion Ratio Lower Upper
180 100
182 0.0 75.8 113.8#
184 37.2 24.1 36.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041874.D
 Acq On : 09 Jan 2025 19:43
 Operator : SY/MD
 Sample : Q1037-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

Quant Time: Jan 10 01:46:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	120904	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	358423	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	318762	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	256988	10.054	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9059	0.456	ppbv #	81
3) Chlorodifluoromethane	1.480	51	8248	0.378	ppbv	96
4) Chloromethane	1.538	50	3678	0.477	ppbv #	88
5) Vinyl Chloride	1.580	62	100	0.012	ppbv #	45
6) Bromomethane	1.671	94	79	0.020	ppbv #	74
7) Chloroethane	1.706	64	24	0.008	ppbv #	46
8) Dichlorotetrafluoroethane	1.560	85	384	0.022	ppbv #	79
9) Propene	1.441	41	501	0.049	ppbv	92
10) Heptane	5.011	43	217	0.008	ppbv #	27
11) Trichlorofluoromethane	1.884	101	5040	0.247	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.150	101	1387	0.084	ppbv #	80
13) Ethanol	1.729	45	43747	67.706	ppbv	85
14) Bromoethene	1.810	108	32	0.005	ppbv #	1
15) Acetone	1.842	43	37181	1.823	ppbv	95
16) 1,3-Butadiene	1.606	39	608	0.069	ppbv #	32
17) tert-Butyl alcohol	2.046	59	317	0.014	ppbv #	1
18) 1,1-Dichloroethene	2.056	96	61	0.008	ppbv #	1
19) Isopropyl Alcohol	1.729	45	43747	4.082	ppbv #	42
20) Methylene Chloride	2.069	84	8101	1.165	ppbv #	92
21) Allyl Chloride	2.111	41	421	0.032	ppbv #	21
22) trans-1,2-Dichloroethene	2.344	96	32	0.004	ppbv #	52
23) Vinyl Acetate	2.486	43	3861	0.374	ppbv #	39
24) 1,1-Dichloroethane	2.418	63	110	0.007	ppbv #	88
25) Ethyl Acetate	2.862	43	298	0.006	ppbv #	1
26) Hexane	2.842	57	6013	0.288	ppbv #	40
27) Carbon Disulfide	2.162	76	65	0.003	ppbv #	65
28) Methyl tert-Butyl Ether	2.444	73	29	0.002	ppbv #	1
29) Chloroform	2.865	83	1963	0.067	ppbv #	69
30) Cyclohexane	3.881	84	190	0.011	ppbv #	1
31) cis-1,2-Dichloroethene	2.849	61	142	0.007	ppbv #	24
32) 1,1,1-Trichloroethane	3.548	97	24	0.001	ppbv #	53
34) 2-Butanone	2.574	43	3248	0.109	ppbv	96
35) Carbon Tetrachloride	3.784	117	1225	0.044	ppbv #	76
36) Benzene	3.671	78	5509	0.132	ppbv #	86
37) 1,2-Dichloroethane	3.234	62	416	0.019	ppbv	97
39) 1,2-Dichloropropane	3.978	63	89414	6.045	ppbv #	24
40) 1,4-Dioxane	4.571	88	25	0.003	ppbv #	17
41) Tetrahydrofuran	3.062	42	53	0.003	ppbv #	37
42) Bromodichloromethane	4.464	83	25	0.001	ppbv #	26
43) Methyl Methacrylate	4.904	69	36	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.668	57	491	0.007	ppbv #	43
45) t-1,3-Dichloropropene	6.351	75	26	0.001	ppbv #	1
46) cis-1,3-Dichloropropene	5.694	75	22	0.001	ppbv #	27

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041874.D
 Acq On : 09 Jan 2025 19:43
 Operator : SY/MD
 Sample : Q1037-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

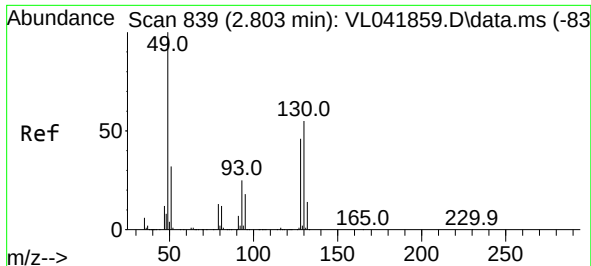
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	6.584	97	51	0.003	ppbv #	15
48) Dibromochloromethane	7.338	129	24	0.001	ppbv #	10
49) Bromoform	9.662	173	42	0.002	ppbv #	18
50) 4-Methyl-2-Pentanone	5.800	43	109	0.003	ppbv #	38
51) 2-Hexanone	7.454	43	76	0.002	ppbv #	28
52) Tetrachloroethene	8.458	164	32	0.002	ppbv #	1
53) Toluene	6.959	91	1322	0.027	ppbv #	1
54) 1,2-Dibromoethane	7.658	107	45	0.002	ppbv #	3
56) 1,1,1,2-Tetrachloroethane	8.959	131	32	0.002	ppbv #	1
57) Chlorobenzene	8.885	112	28	0.001	ppbv #	79
58) Ethyl Benzene	9.374	91	833	0.013	ppbv	96
59) m/p-Xylene	9.545	91	1191	0.023	ppbv #	100
60) o-Xylene	9.982	91	606	0.012	ppbv #	33
61) Styrene	9.892	104	161	0.006	ppbv #	70
62) Isopropylbenzene	10.558	105	155	0.002	ppbv #	71
63) 1,1,2,2-Tetrachloroethane	9.953	83	33	0.001	ppbv #	1
64) n-propylbenzene	11.015	120	37	0.002	ppbv #	1
65) tert-Butylbenzene	11.549	119	162	0.002	ppbv #	10
66) Benzyl Chloride	11.555	91	100	0.014	ppbv #	52
67) sec-Butylbenzene	11.779	105	97	0.001	ppbv #	57
69) p-Isopropyltoluene	11.931	119	78	0.001	ppbv #	3
70) n-Butylbenzene	12.290	91	85	0.001	ppbv #	1
71) 2-Chlorotoluene	10.921	91	42	0.001	ppbv #	46
72) 4-Ethyltoluene	11.134	105	180	0.003	ppbv #	56
73) 1,3,5-Trimethylbenzene	11.222	105	301	0.006	ppbv #	60
74) 1,2,4-Trimethylbenzene	11.549	105	1544	0.026	ppbv #	61
75) 1,3-Dichlorobenzene	11.675	146	83	0.002	ppbv #	1
76) 1,4-Dichlorobenzene	11.675	146	83	0.002	ppbv #	24
77) 1,2-Dichlorobenzene	11.688	146	26	0.001	ppbv #	1
78) Hexachloro-1,3-Butadiene	14.225	225	34	0.001	ppbv #	58
79) Naphthalene	13.526	128	767	0.012	ppbv #	82
80) Naphthalene,2-methyl-	14.484	142	202	0.006	ppbv #	81
81) 1,2,4-Trichlorobenzene	13.442	180	62	0.002	ppbv #	12

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

Quant Time: Jan 10 01:46:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration

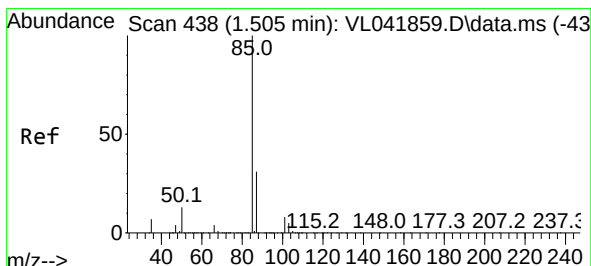
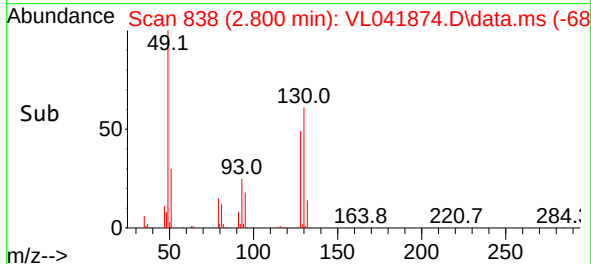
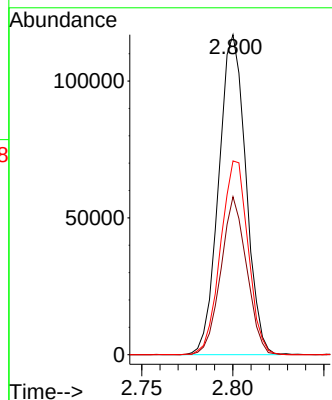
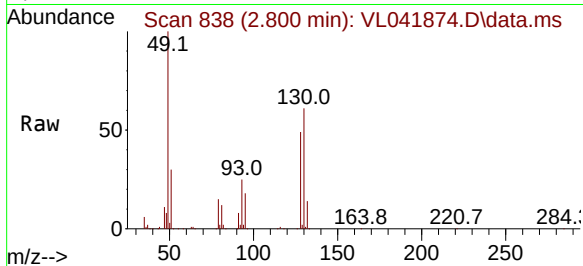




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

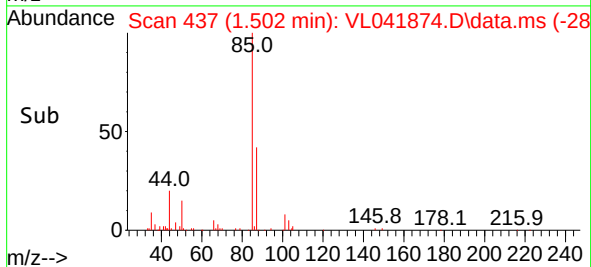
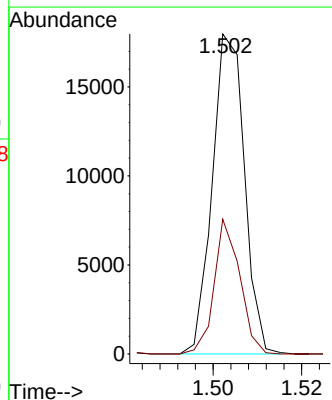
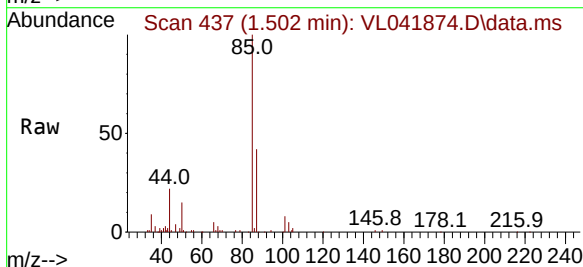
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MSVOA_L
ClientSampleId :
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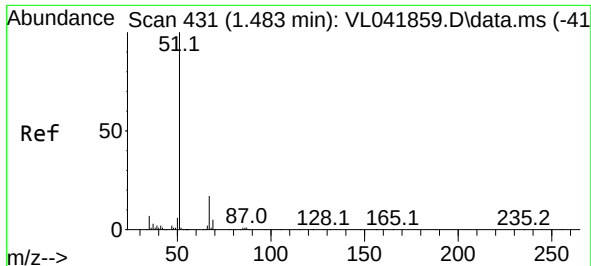
Tgt Ion: 49 Resp: 120904
Ion Ratio Lower Upper
49 100
128 46.8 23.2 69.5
130 61.4 29.9 89.8



#2
Dichlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 85 Resp: 9059
Ion Ratio Lower Upper
85 100
87 42.1 25.2 37.8

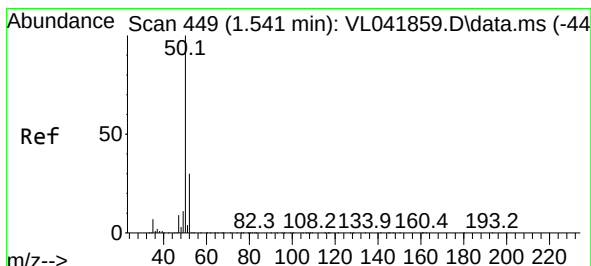
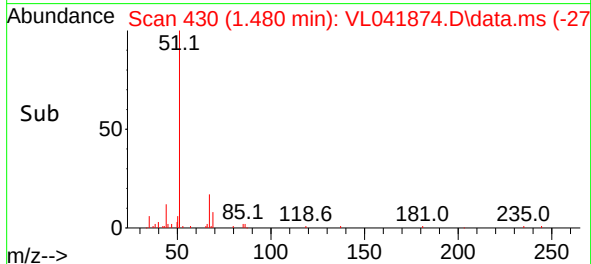
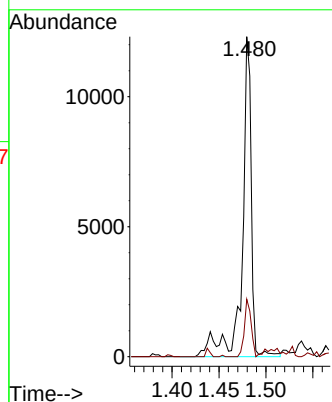
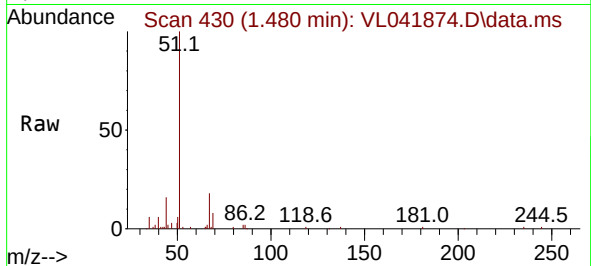




#3
Chlorodifluoromethane
Concen: 0.378 ppbv
RT: 1.480 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

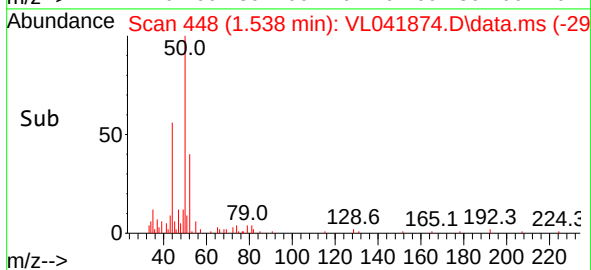
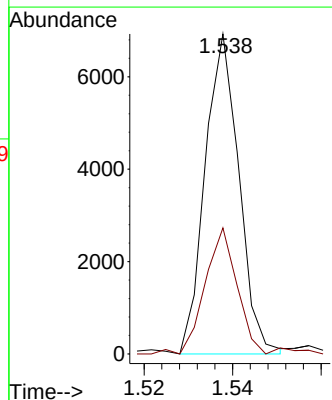
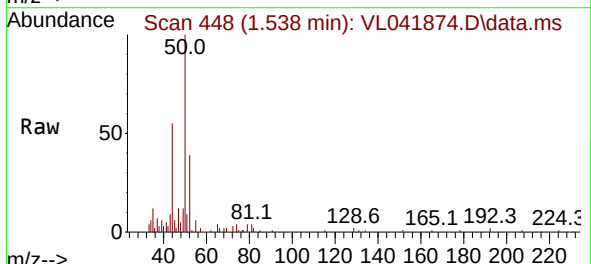
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ClientSampleId :
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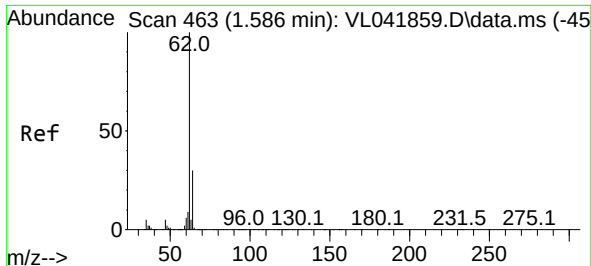
Tgt Ion: 51 Resp: 8248
Ion Ratio Lower Upper
51 100
67 19.3 13.8 20.8



#4
Chloromethane
Concen: 0.477 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 50 Resp: 3678
Ion Ratio Lower Upper
50 100
52 36.3 23.9 35.9#

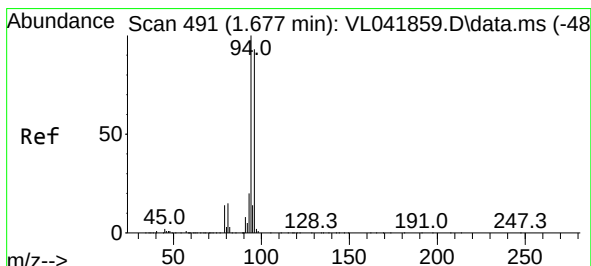
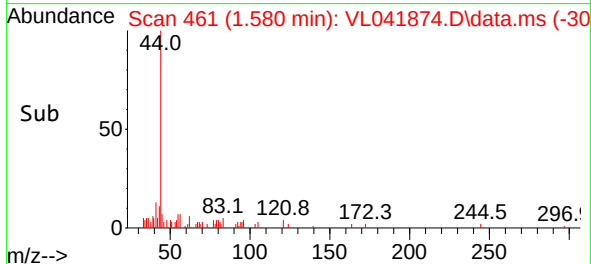
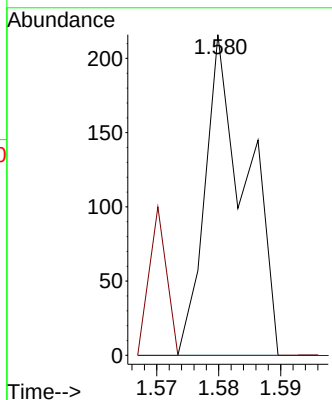
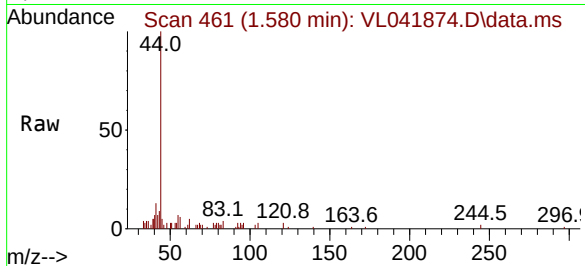




#5
 Vinyl Chloride
 Concen: 0.012 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.006 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

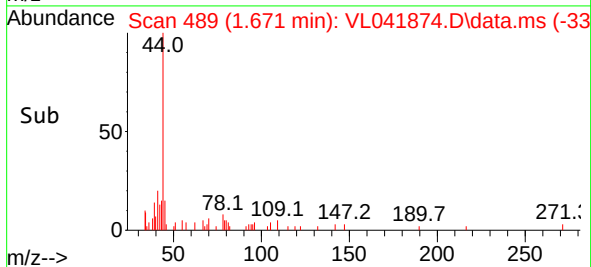
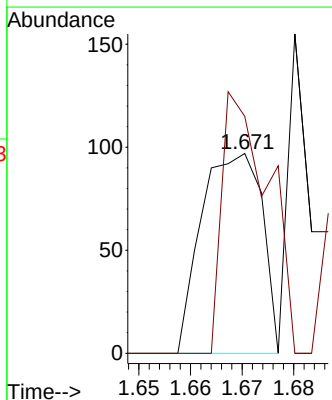
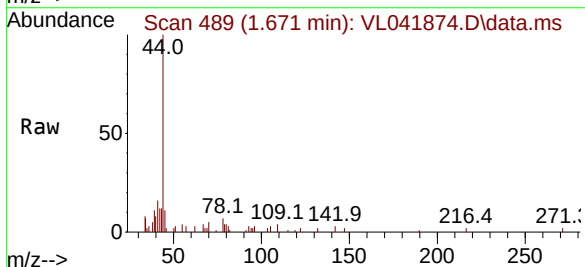
Instrument :
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 ClientSampleId :
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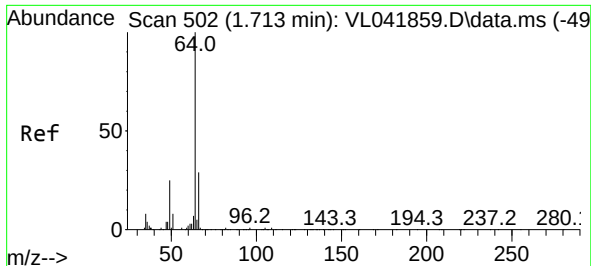
Tgt Ion: 62 Resp: 100
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.1 36.1#



#6
 Bromomethane
 Concen: 0.020 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.006 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion: 94 Resp: 79
 Ion Ratio Lower Upper
 94 100
 96 118.6 74.8 112.2#

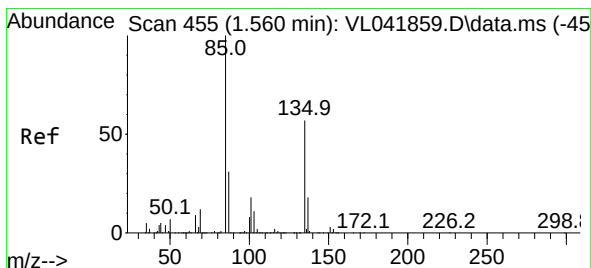
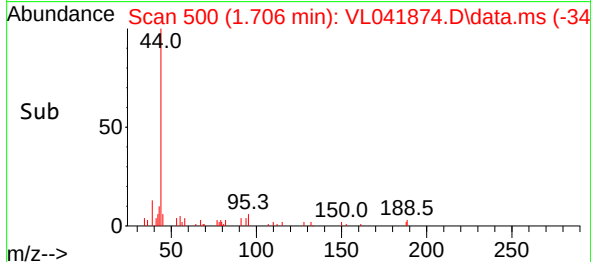
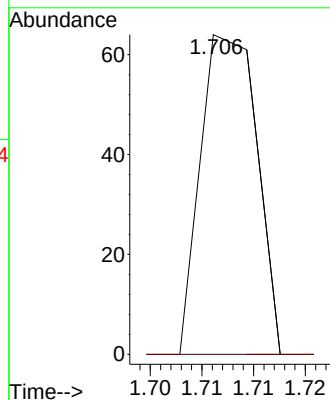
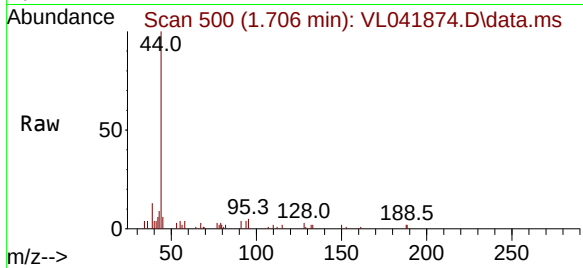




#7
Chloroethane
Concen: 0.008 ppbv
RT: 1.706 min Scan# 50
Delta R.T. -0.006 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

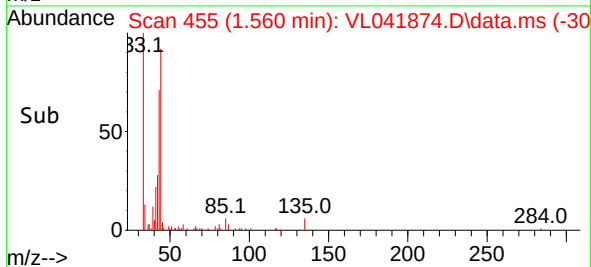
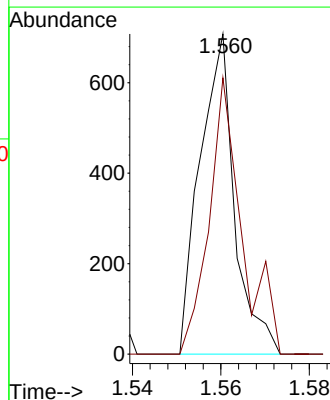
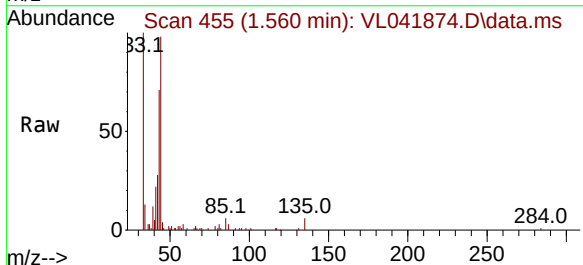
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

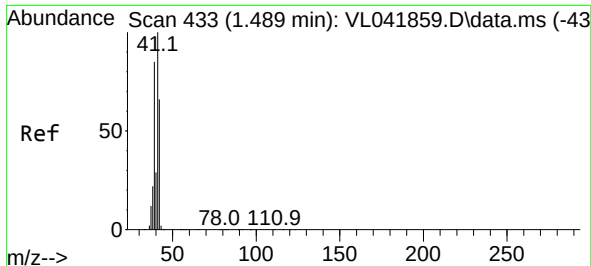
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 23.0 34.6#



#8
Dichlorotetrafluoroethane
Concen: 0.022 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.000 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 85 Resp: 384
Ion Ratio Lower Upper
85 100
135 82.0 52.2 78.4#





#9

Propene

Concen: 0.049 ppbv

RT: 1.441 min Scan# 41

Delta R.T. -0.048 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

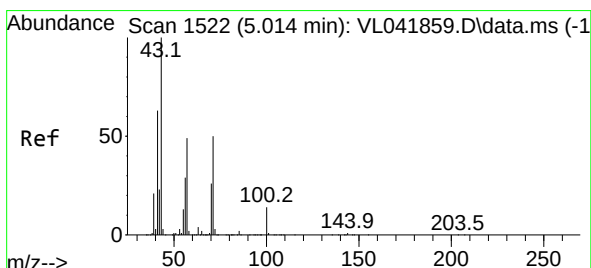
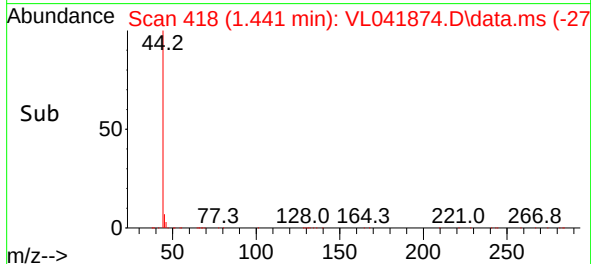
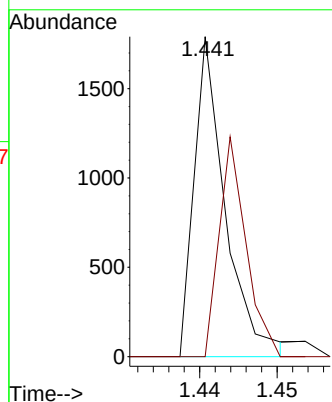
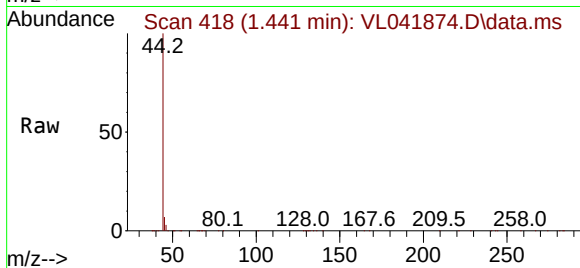
AMBIENT AIR

Tgt Ion: 41 Resp: 501

Ion Ratio Lower Upper

41 100

42 73.1 53.0 79.6



#10

Heptane

Concen: 0.008 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. -0.003 min

Lab File: VL041874.D

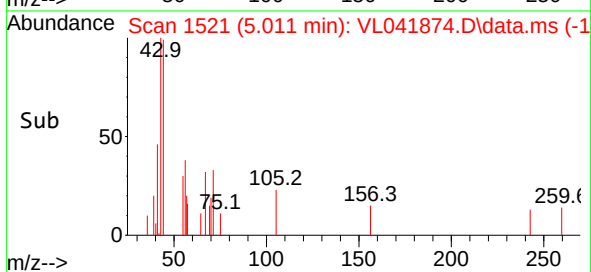
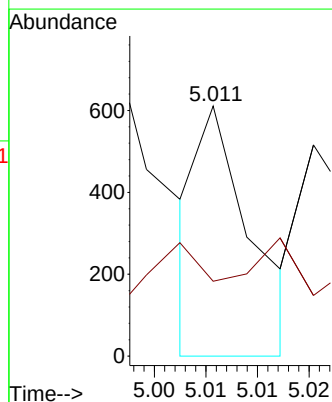
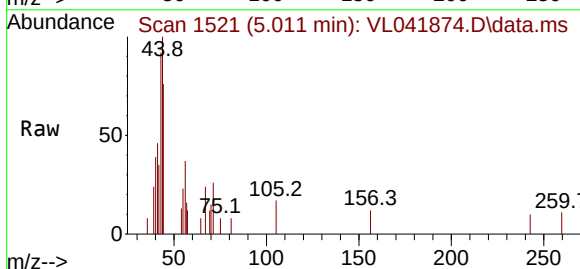
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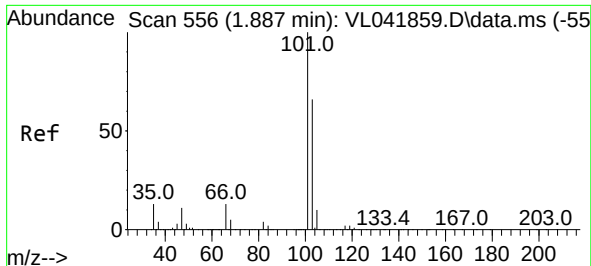
Tgt Ion: 43 Resp: 217

Ion Ratio Lower Upper

43 100

57 0.0 40.2 60.2#

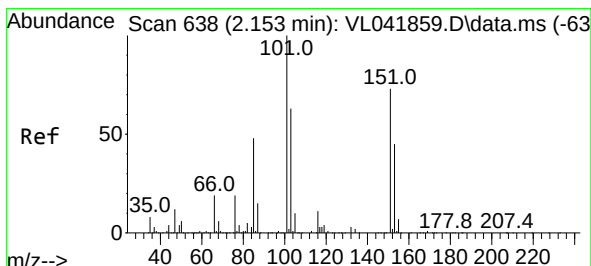
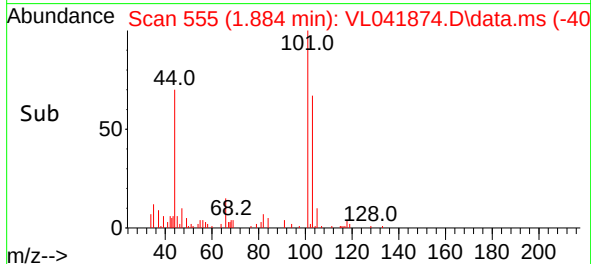
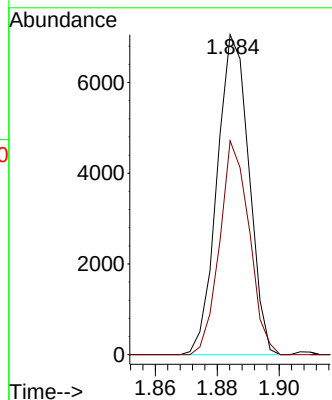
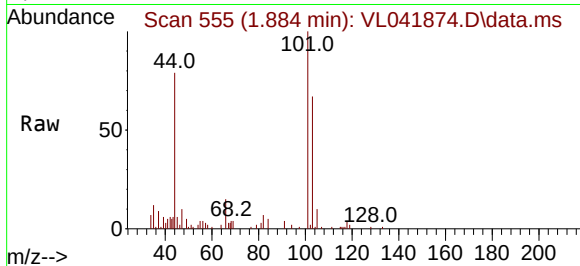




#11
 Trichlorofluoromethane
 Concen: 0.247 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

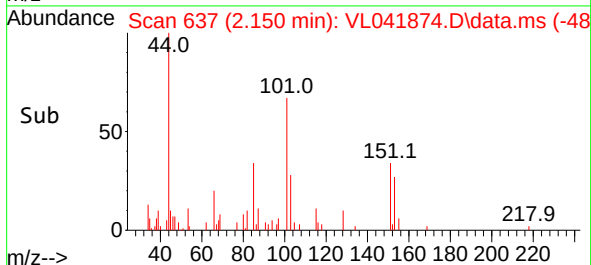
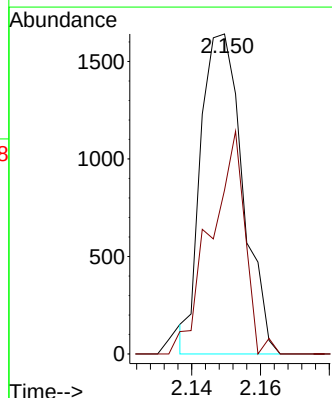
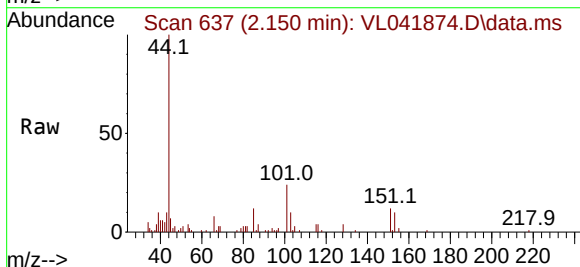
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 ClientSampleId :
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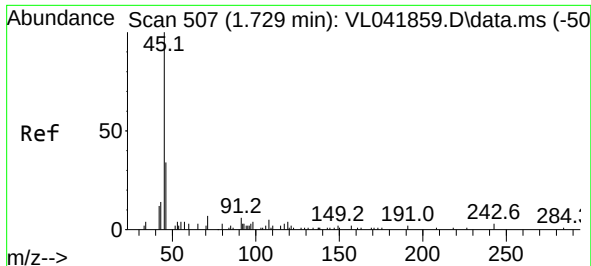
Tgt Ion:101 Resp: 5040
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.084 ppbv
 RT: 2.150 min Scan# 637
 Delta R.T. -0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion:101 Resp: 1387
 Ion Ratio Lower Upper
 101 100
 151 57.1 59.4 89.0#

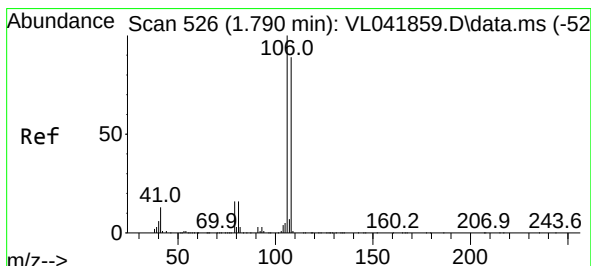
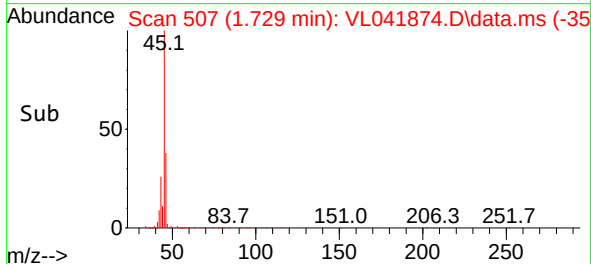
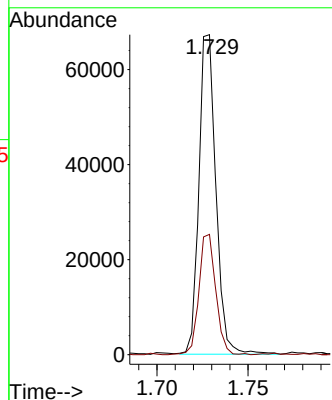
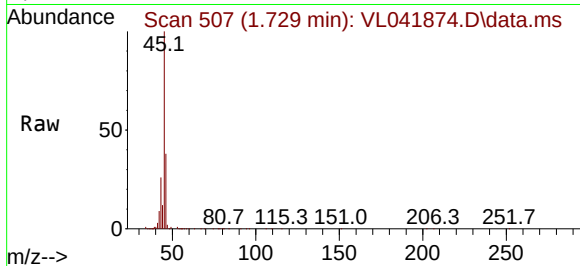




#13
 Ethanol
 Concen: 67.706 ppbv
 RT: 1.729 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

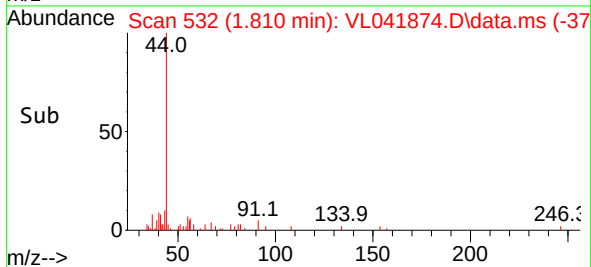
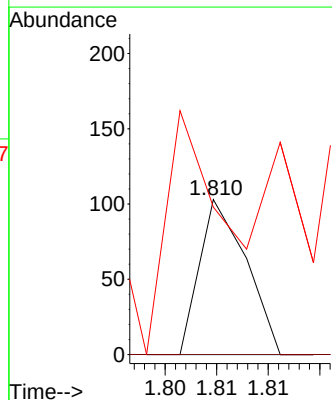
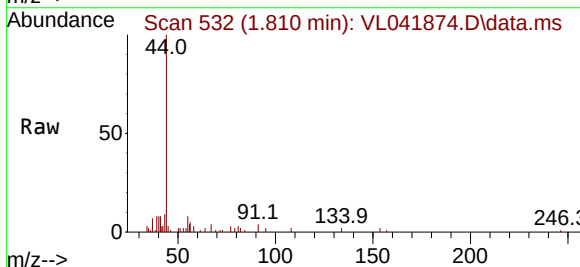
Instrument :
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 ClientSampleId :
 AMBIENT AIR

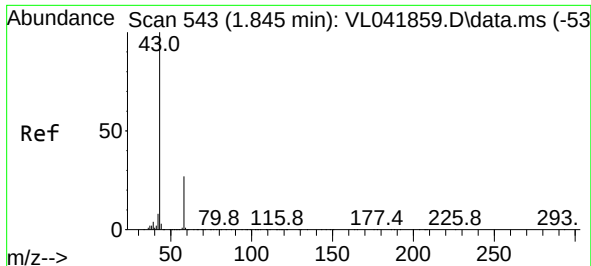
Tgt Ion: 45 Resp: 43747
 Ion Ratio Lower Upper
 45 100
 46 37.5 19.0 76.0



#14
 Bromoethene
 Concen: 0.005 ppbv
 RT: 1.810 min Scan# 532
 Delta R.T. 0.019 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion: 108 Resp: 32
 Ion Ratio Lower Upper
 108 100
 106 137.5 86.9 130.3#
 79 875.0 15.6 23.4#

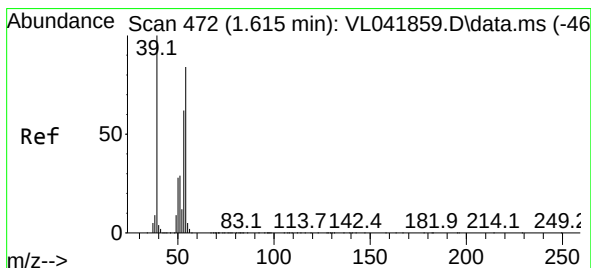
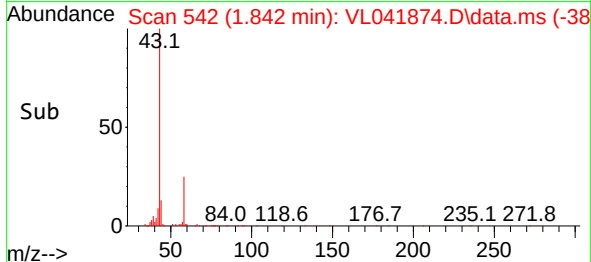
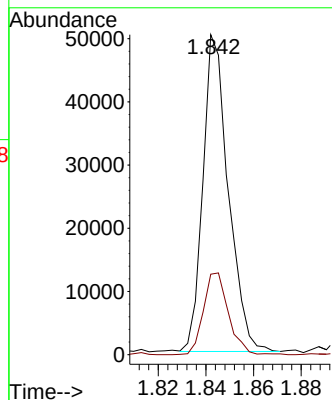
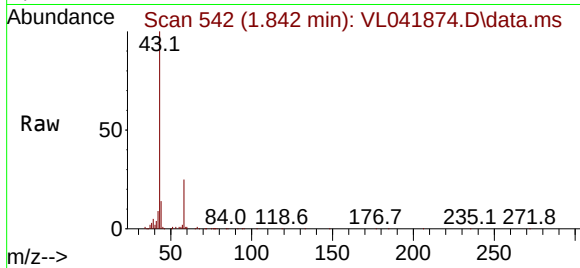




#15
Acetone
Concen: 1.823 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

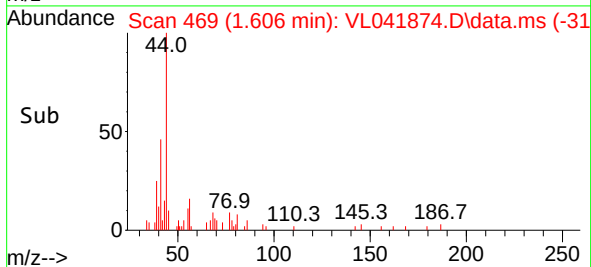
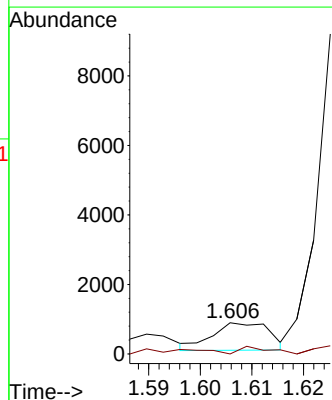
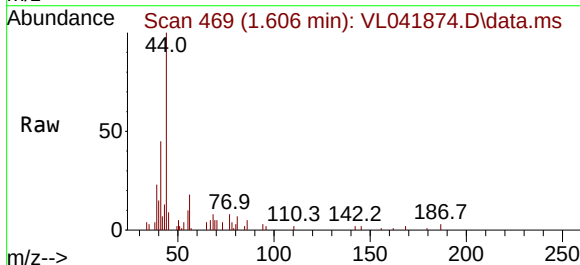
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

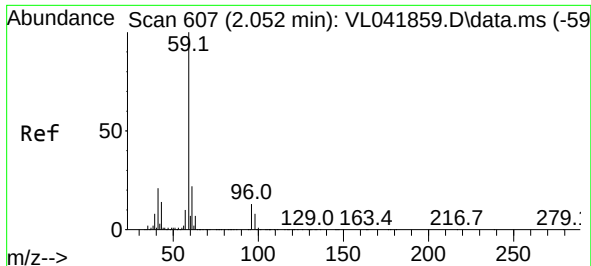
Tgt Ion: 43 Resp: 37181
Ion Ratio Lower Upper
43 100
58 25.8 22.7 34.1



#16
1,3-Butadiene
Concen: 0.069 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.010 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 39 Resp: 608
Ion Ratio Lower Upper
39 100
54 17.4 60.1 90.1#





#17

tert-Butyl alcohol

Concen: 0.014 ppbv

RT: 2.046 min Scan# 607

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

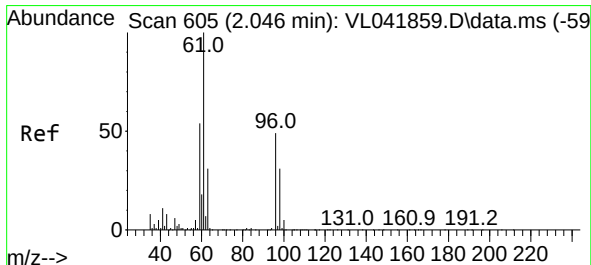
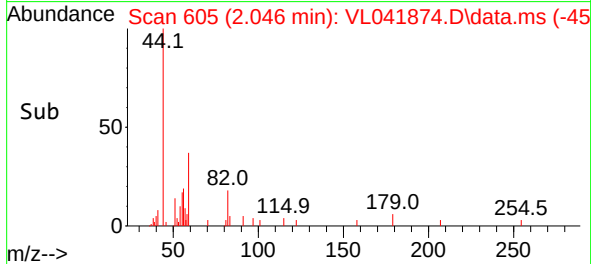
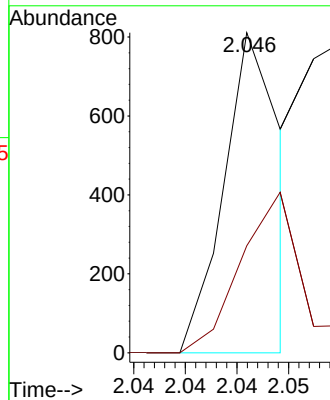
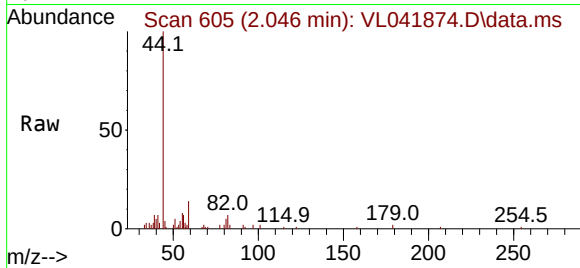
AMBIENT AIR

Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

59 100

57 110.7 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.008 ppbv

RT: 2.056 min Scan# 608

Delta R.T. 0.010 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

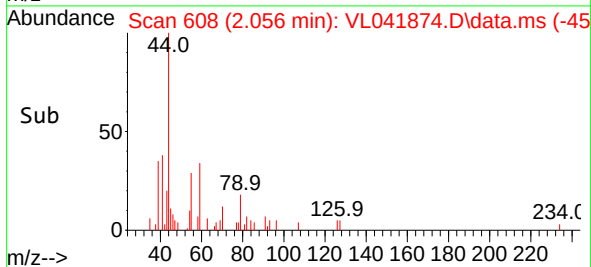
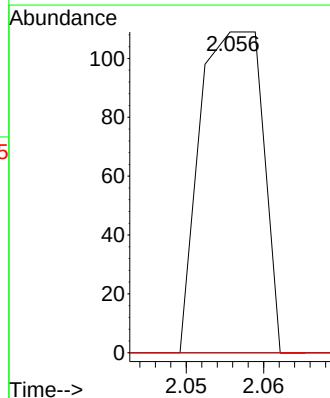
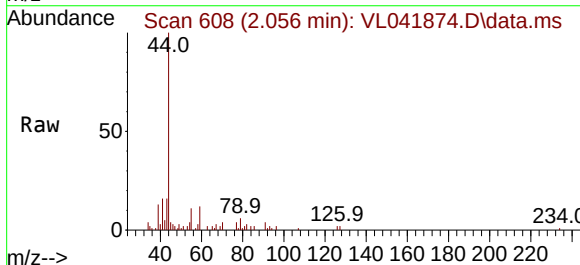
Tgt Ion: 96 Resp: 61

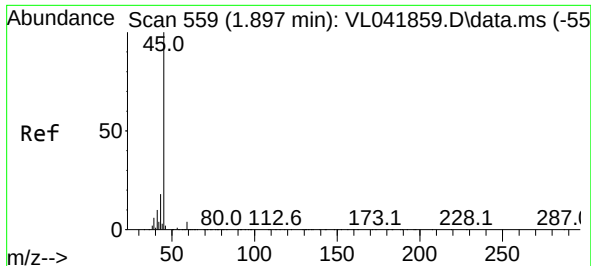
Ion Ratio Lower Upper

96 100

61 0.0 161.7 242.5#

98 0.0 51.0 76.4#

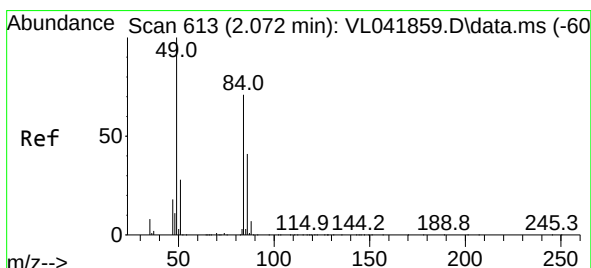
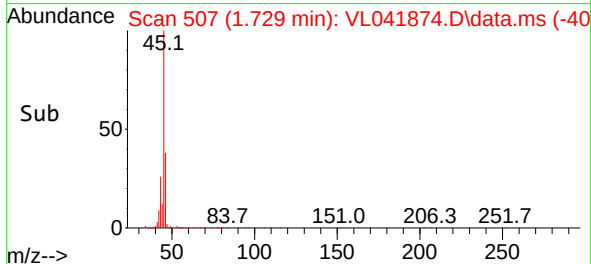
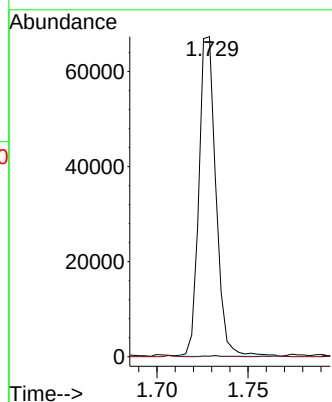
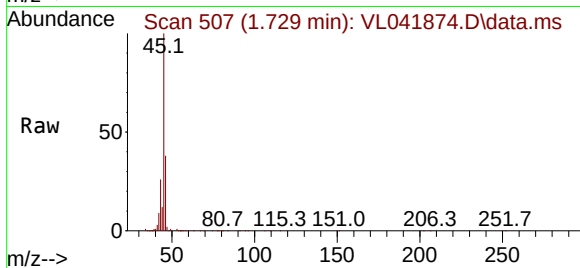




#19
Isopropyl Alcohol
Concen: 4.082 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.168 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

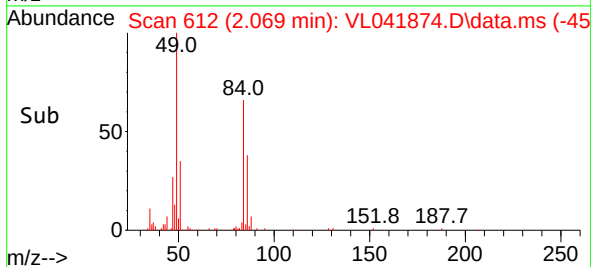
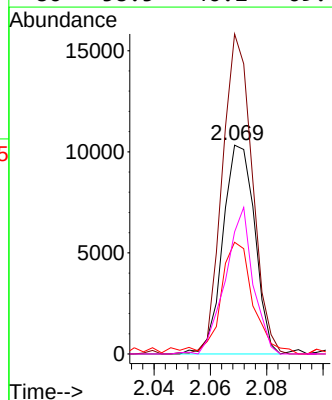
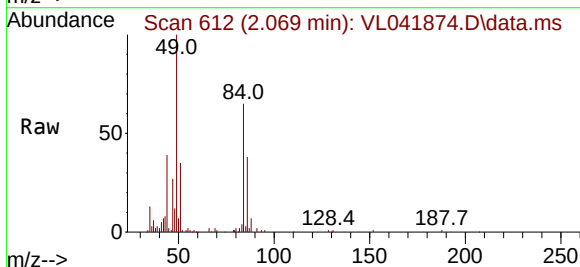
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

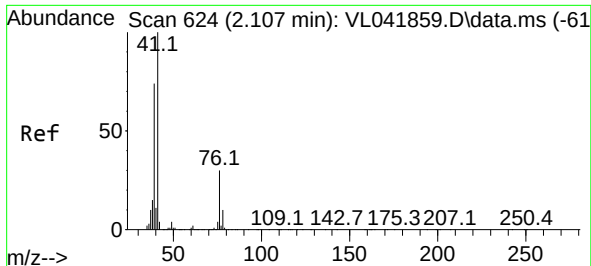
Tgt Ion: 45 Resp: 43747
Ion Ratio Lower Upper
45 100
58 7.9 37.0 55.6#



#20
Methylene Chloride
Concen: 1.165 ppbv
RT: 2.069 min Scan# 612
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 84 Resp: 8101
Ion Ratio Lower Upper
84 100
49 152.6 113.8 170.8
51 51.7 33.5 50.3#
86 58.5 46.2 69.4

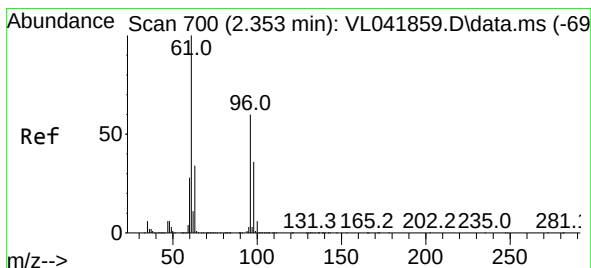
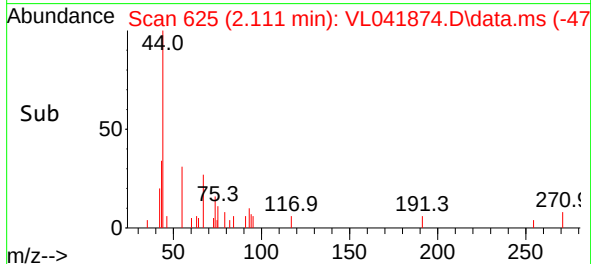
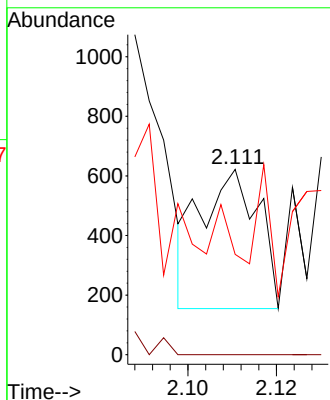
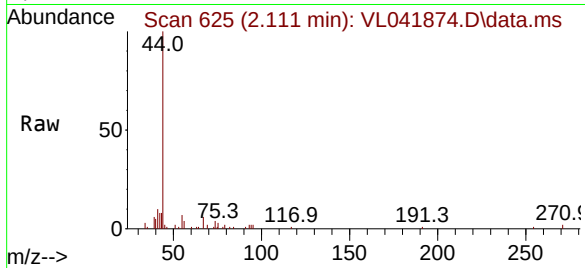




#21
 Allyl Chloride
 Concen: 0.032 ppbv
 RT: 2.111 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

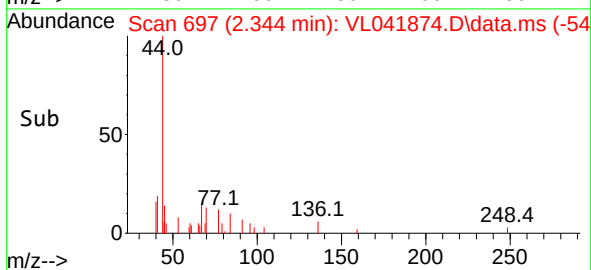
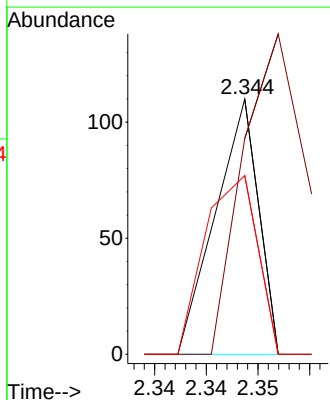
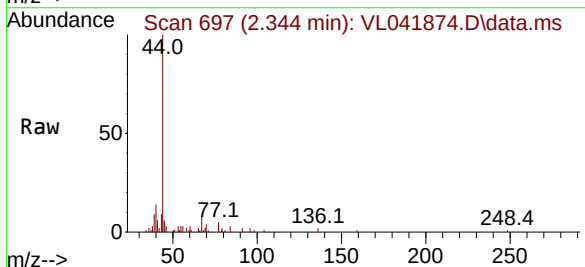
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

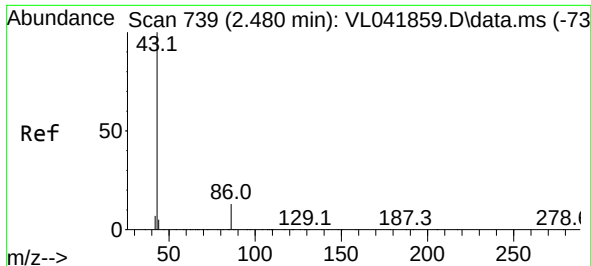
Tgt Ion: 41 Resp: 421
 Ion Ratio Lower Upper
 41 100
 76 0.0 24.6 36.8#
 39 0.0 60.1 90.1#



#22
 trans-1,2-Dichloroethene
 Concen: 0.004 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.010 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion: 96 Resp: 32
 Ion Ratio Lower Upper
 96 100
 61 84.5 134.2 201.4#
 98 70.0 49.0 73.4

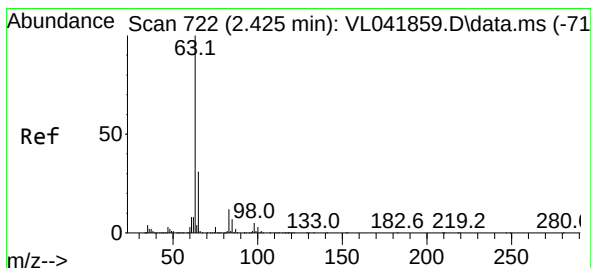
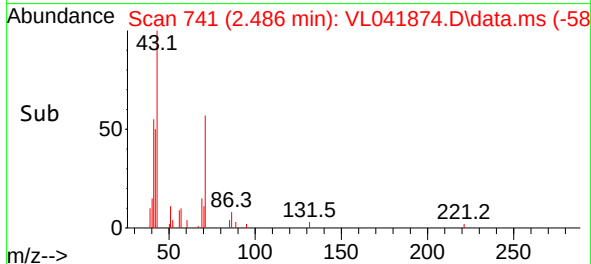
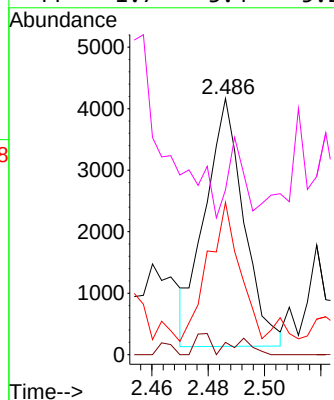
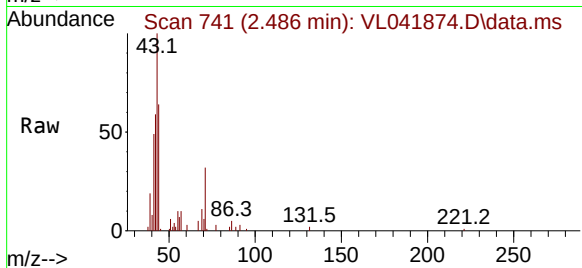




#23
Vinyl Acetate
Concen: 0.374 ppbv
RT: 2.486 min Scan# 741
Delta R.T. 0.007 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

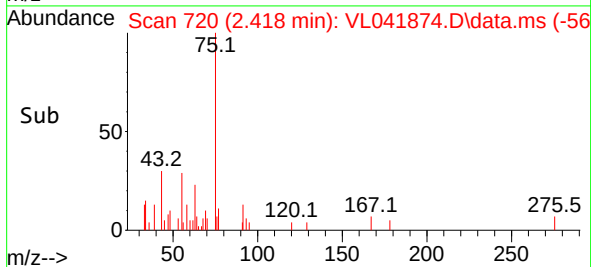
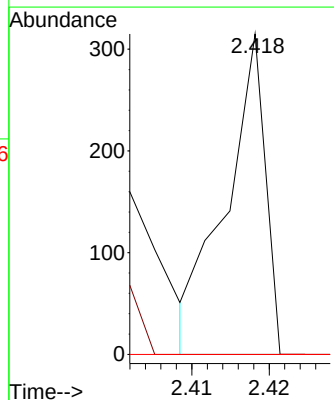
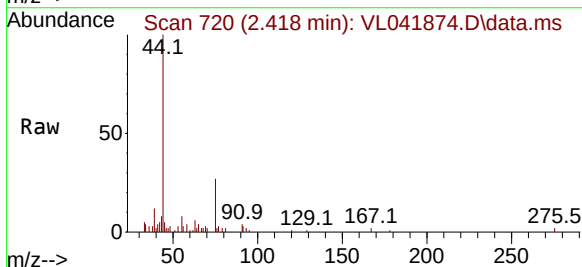
Instrument :
MSVOA_1
ClientSampleId :
AMBIENT AIR

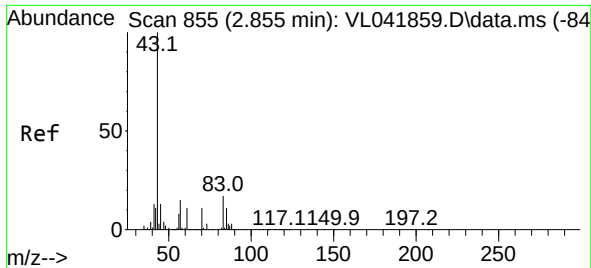
Tgt Ion:	43	Resp:	3861
Ion	Ratio	Lower	Upper
43	100		
86	5.3	7.8	11.6#
42	59.5	7.0	10.4#
44	1.7	3.4	5.2#



#24
1,1-Dichloroethane
Concen: 0.007 ppbv
RT: 2.418 min Scan# 720
Delta R.T. -0.006 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion:	63	Resp:	110
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.3	6.9#
100	0.0	1.3	3.8#

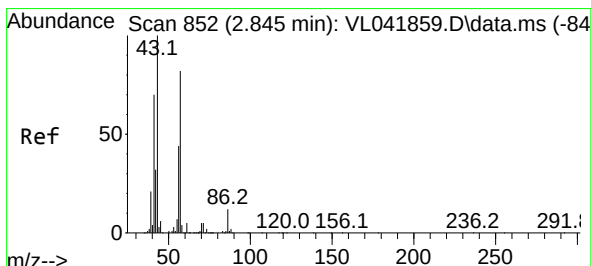
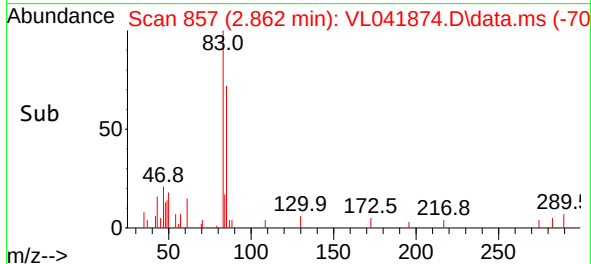
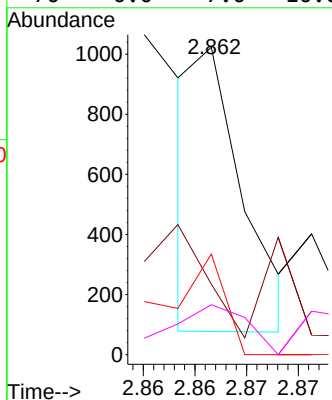
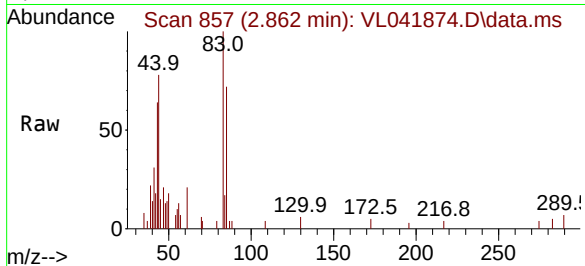




#25
Ethyl Acetate
Concen: 0.006 ppbv
RT: 2.862 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

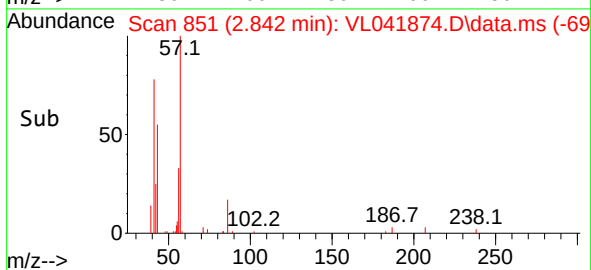
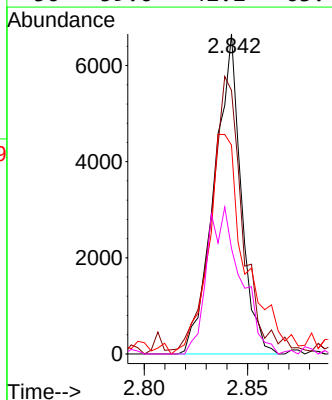
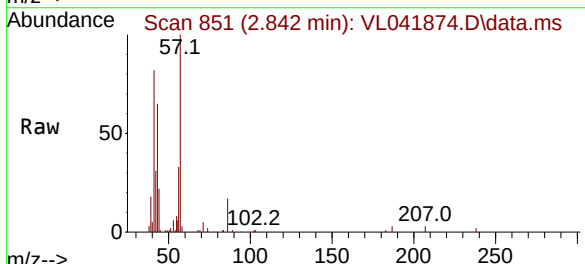
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

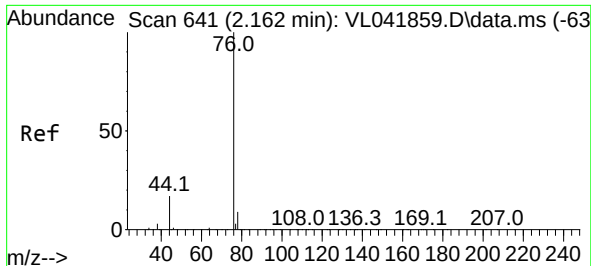
Tgt Ion: 43	Resp: 298
Ion Ratio	Lower Upper
43 100	
45 177.5	8.4 12.6#
61 69.5	7.3 10.9#
70 0.0	7.0 10.6#



#26
Hexane
Concen: 0.288 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 57	Resp: 6013
Ion Ratio	Lower Upper
57 100	
41 107.1	71.5 107.3
43 102.1	200.2 300.4#
56 59.6	42.2 63.4

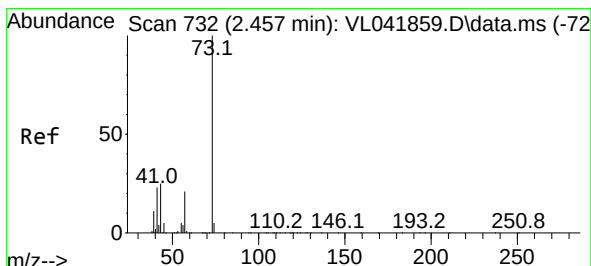
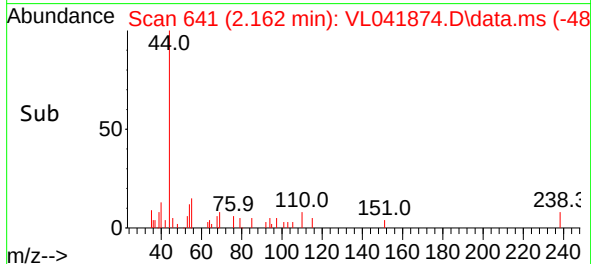
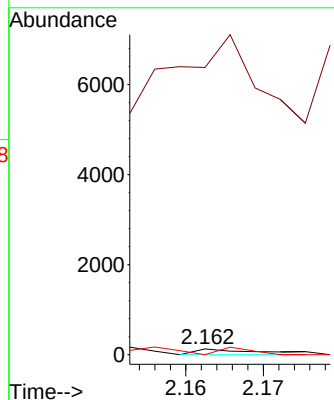
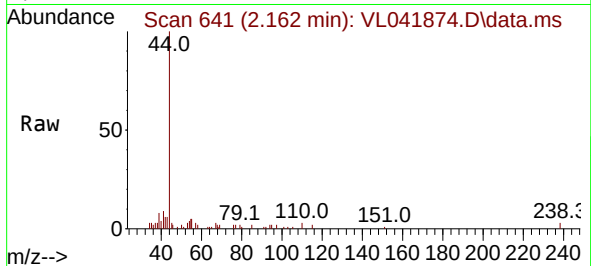




#27
Carbon Disulfide
Concen: 0.003 ppbv
RT: 2.162 min Scan# 641
Delta R.T. 0.000 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

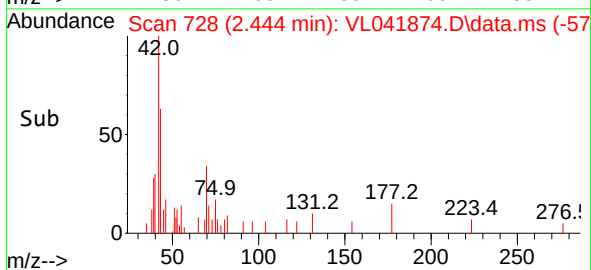
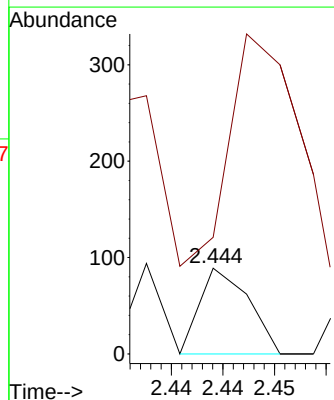
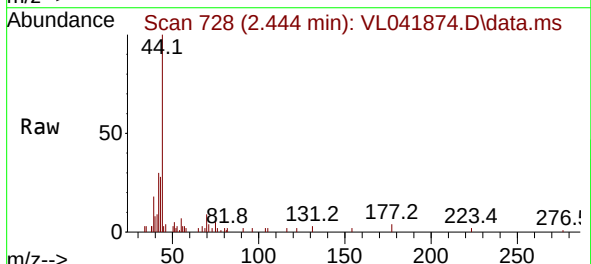
Instrument :
MSVOA_1
ClientSampleId :
AMBIENT AIR

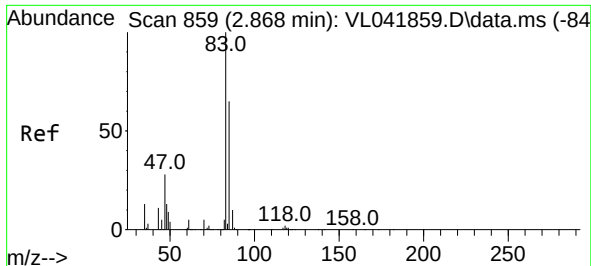
Tgt Ion: 76 Resp: 65
Ion Ratio Lower Upper
76 100
44 0.0 13.1 19.7#
78 0.0 9.5 14.3#



#28
Methyl tert-Butyl Ether
Concen: 0.002 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.013 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 73 Resp: 29
Ion Ratio Lower Upper
73 100
57 3762.1 17.5 26.3#





#29

Chloroform

Concen: 0.067 ppbv

RT: 2.865 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

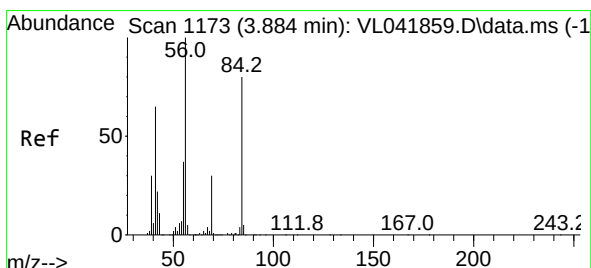
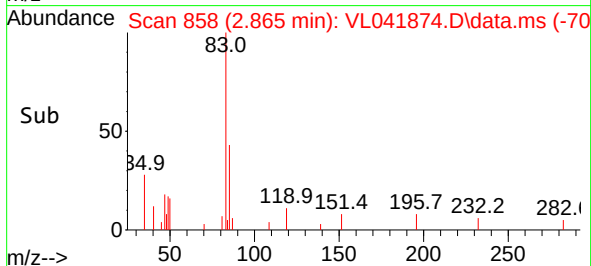
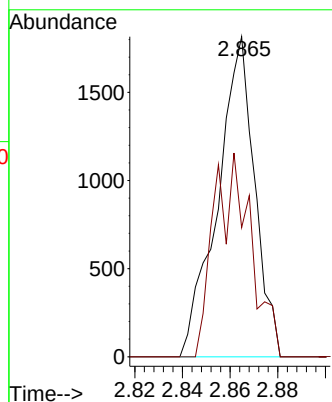
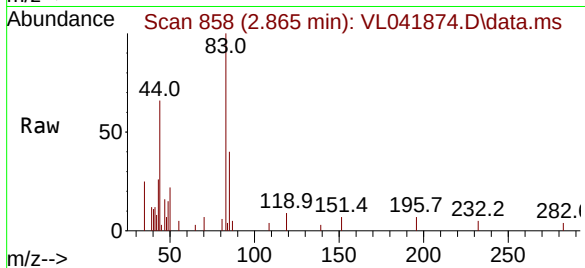
AMBIENT AIR

Tgt Ion: 83 Resp: 1963

Ion Ratio Lower Upper

83 100

85 40.4 51.7 77.5#



#30

Cyclohexane

Concen: 0.011 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. -0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

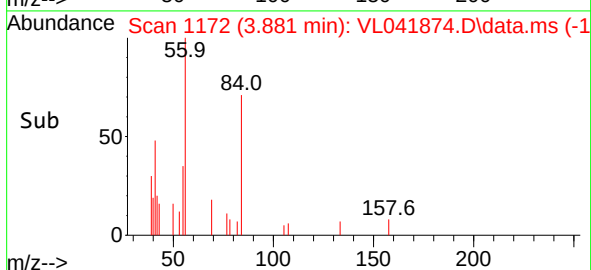
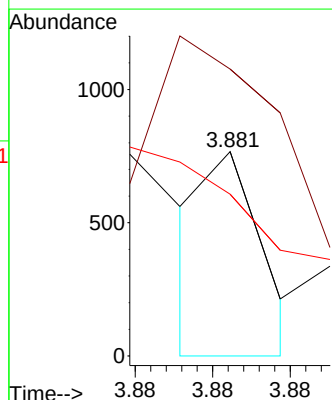
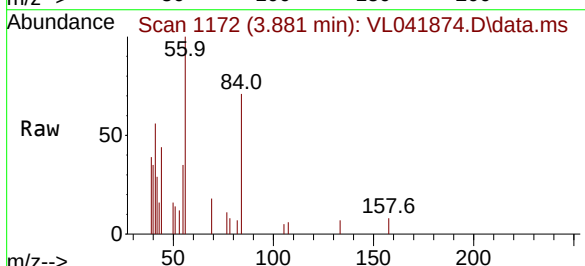
Tgt Ion: 84 Resp: 190

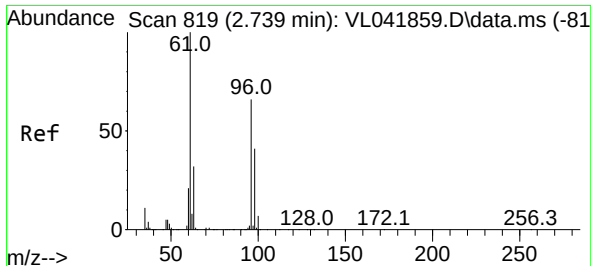
Ion Ratio Lower Upper

84 100

56 903.2 100.7 151.1#

41 0.0 62.8 94.2#

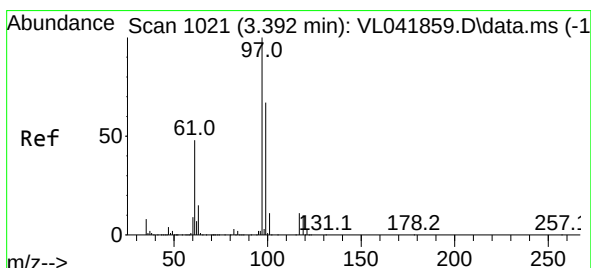
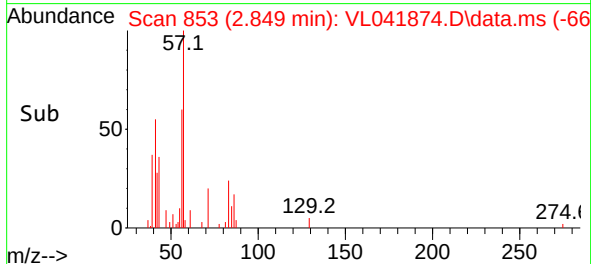
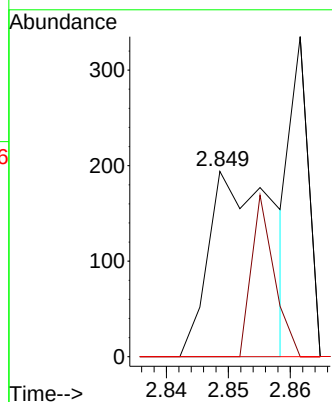
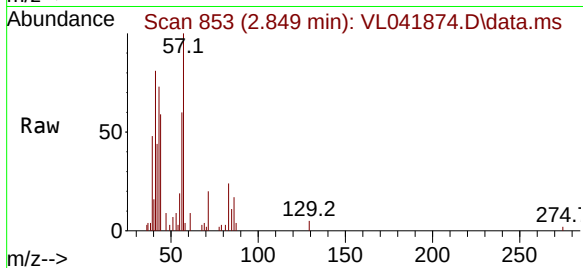




#31
 cis-1,2-Dichloroethene
 Concen: 0.007 ppbv
 RT: 2.849 min Scan# 81
 Delta R.T. 0.110 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

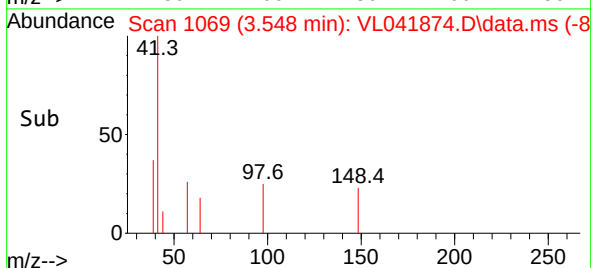
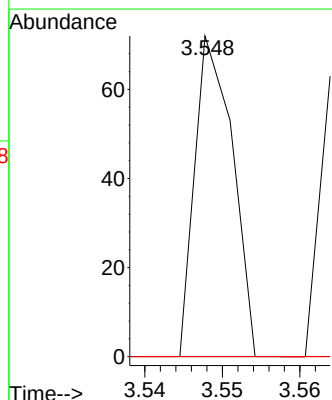
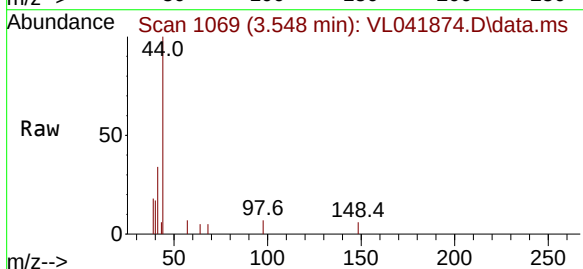
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

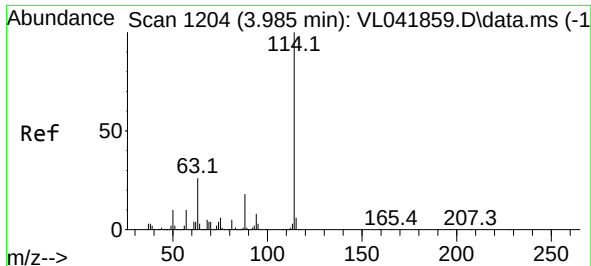
Tgt Ion:	61	Resp:	142
Ion	Ratio	Lower	Upper
61	100		
96	0.0	53.2	79.8#
98	0.0	32.5	48.7#



#32
 1,1,1-Trichloroethane
 Concen: 0.001 ppbv
 RT: 3.548 min Scan# 1069
 Delta R.T. 0.155 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion:	97	Resp:	24
Ion	Ratio	Lower	Upper
97	100		
99	41.7	52.0	78.0#
61	0.0	38.8	58.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT AIR

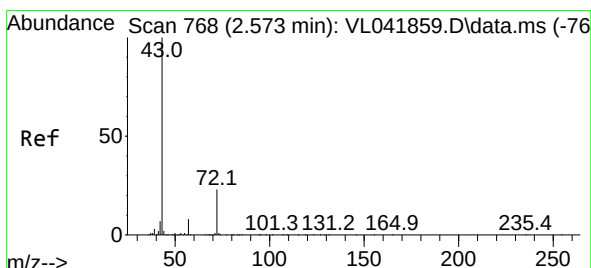
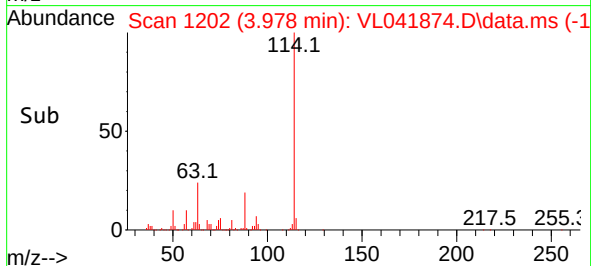
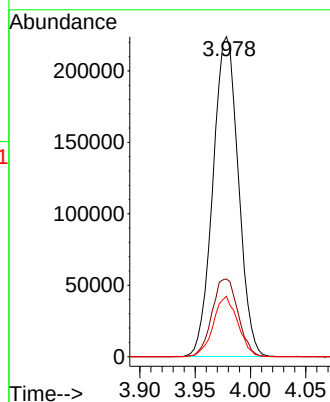
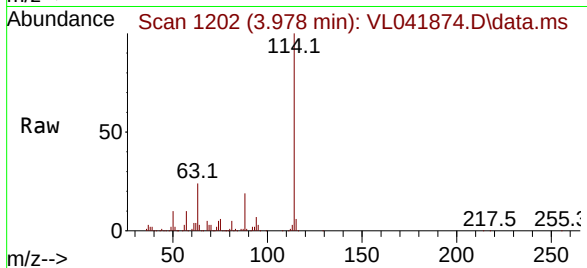
Tgt Ion:114 Resp: 358423

Ion Ratio Lower Upper

114 100

63 24.9 20.3 30.5

88 18.2 14.6 21.8



#34

2-Butanone

Concen: 0.109 ppbv

RT: 2.574 min Scan# 768

Delta R.T. 0.000 min

Lab File: VL041874.D

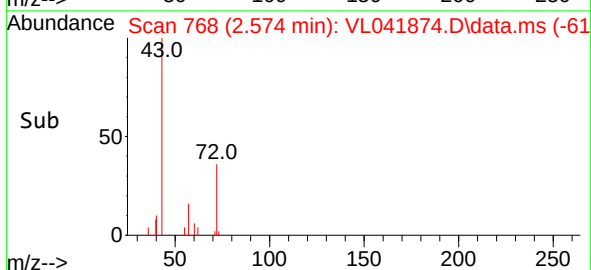
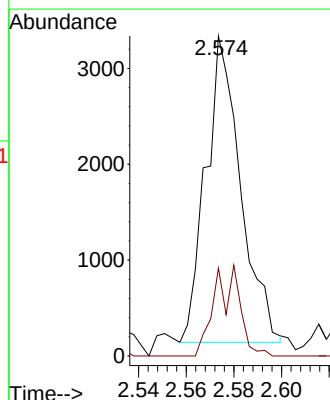
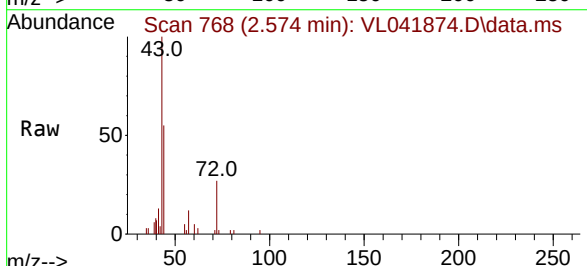
Acq: 09 Jan 2025 19:43

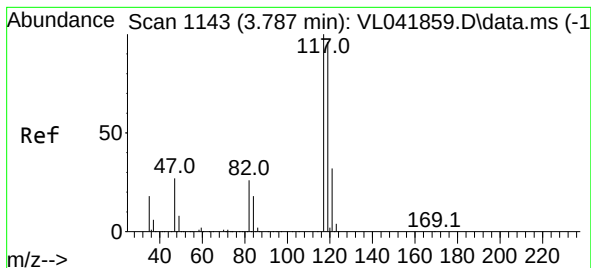
Tgt Ion: 43 Resp: 3248

Ion Ratio Lower Upper

43 100

72 21.3 18.5 27.7





#35

Carbon Tetrachloride

Concen: 0.044 ppbv

RT: 3.784 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT AIR

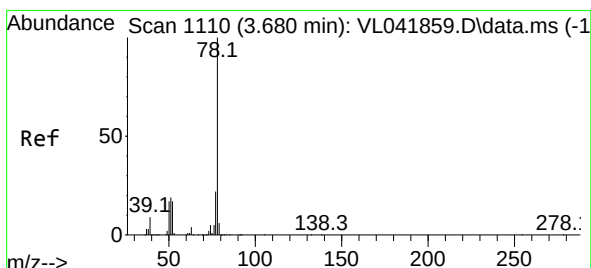
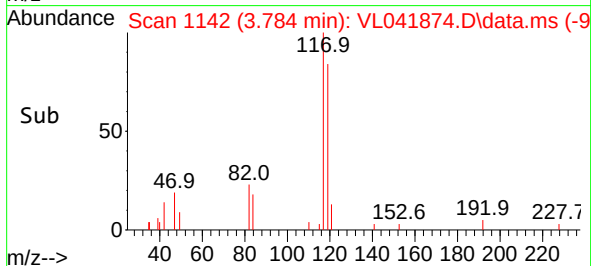
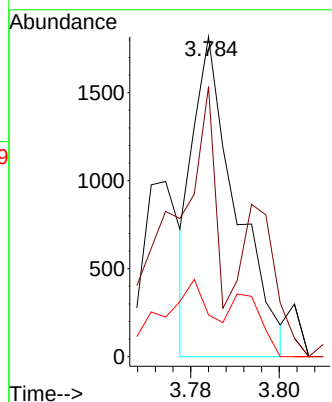
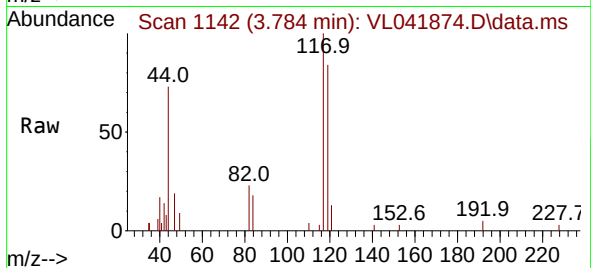
Tgt Ion:117 Resp: 1225

Ion Ratio Lower Upper

117 100

119 75.0 76.9 115.3#

121 14.5 25.9 38.9#



#36

Benzene

Concen: 0.132 ppbv

RT: 3.671 min Scan# 1107

Delta R.T. -0.010 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

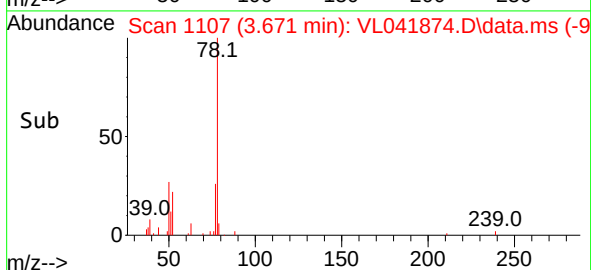
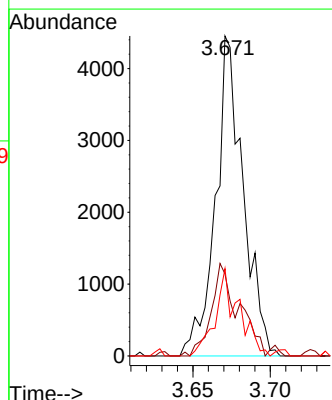
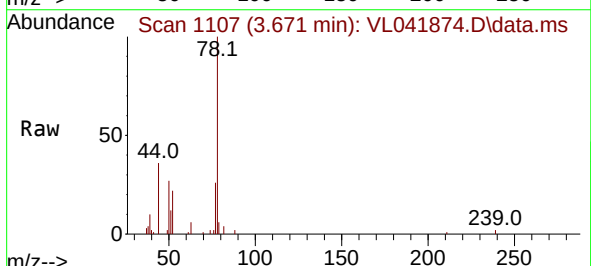
Tgt Ion: 78 Resp: 5509

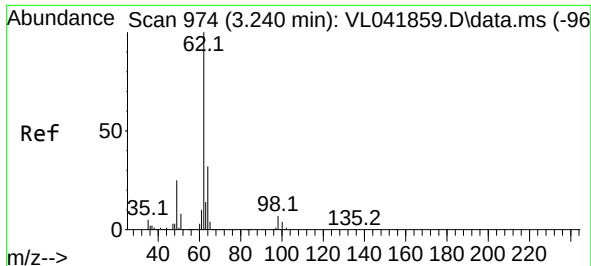
Ion Ratio Lower Upper

78 100

77 25.6 17.9 26.9

50 27.3 13.7 20.5#





#37

1,2-Dichloroethane

Concen: 0.019 ppbv

RT: 3.234 min Scan# 91

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

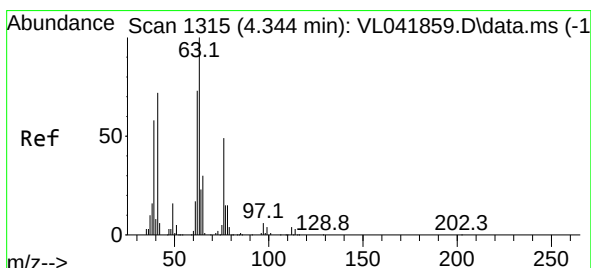
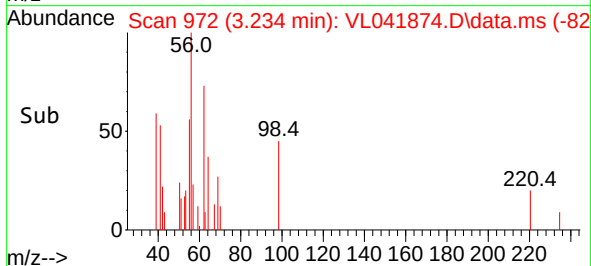
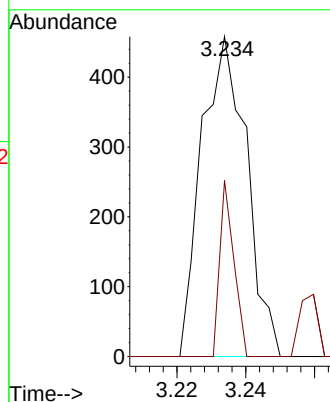
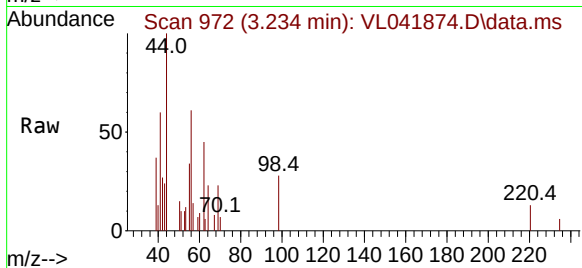
AMBIENT AIR

Tgt Ion: 62 Resp: 416

Ion Ratio Lower Upper

62 100

98 7.9 5.6 8.4



#39

1,2-Dichloropropane

Concen: 6.045 ppbv

RT: 3.978 min Scan# 1202

Delta R.T. -0.366 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

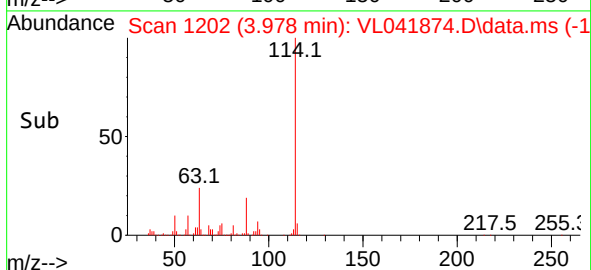
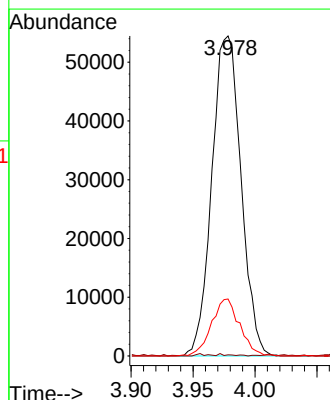
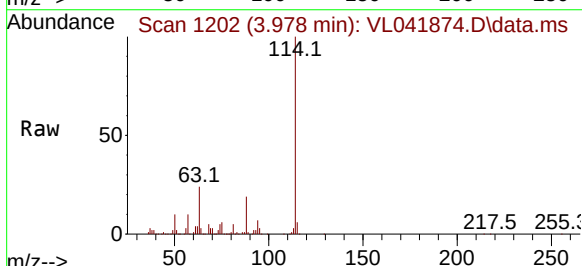
Tgt Ion: 63 Resp: 89414

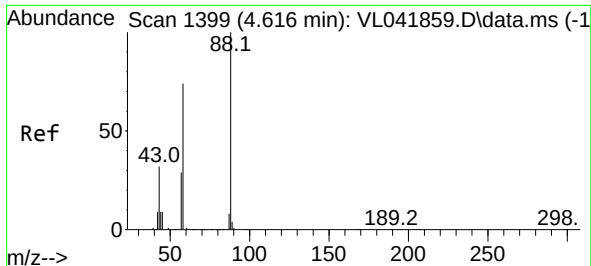
Ion Ratio Lower Upper

63 100

41 0.2 58.0 87.0#

62 17.8 58.6 87.8#





#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 4.571 min Scan# 11

Delta R.T. -0.045 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

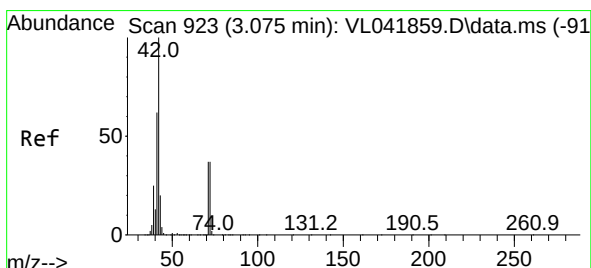
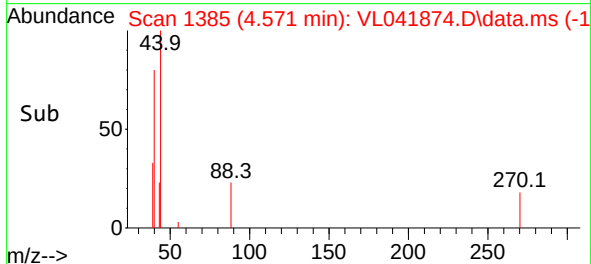
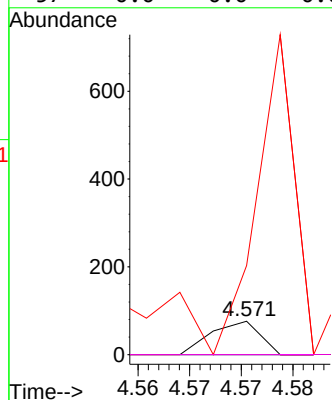
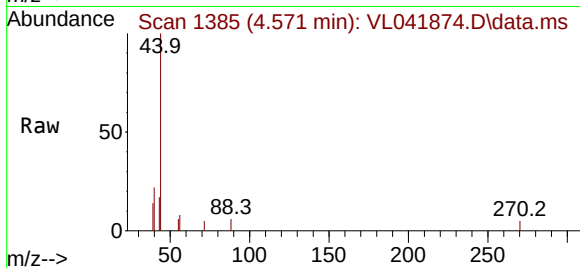
MSVOA_L

ClientSampleId :

AMBIENT AIR

Tgt Ion: 88 Resp: 25

Ion	Ratio	Lower	Upper
88	100		
58	0.0	52.2	78.4#
43	2216.0	0.0	0.0#
57	0.0	0.0	0.0



#41

Tetrahydrofuran

Concen: 0.003 ppbv

RT: 3.062 min Scan# 919

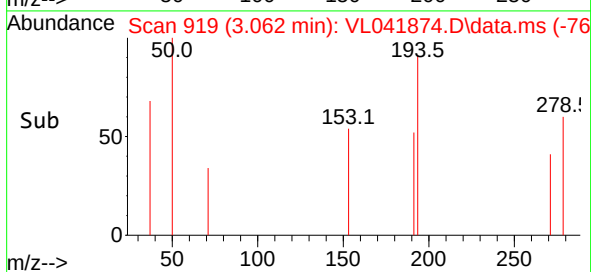
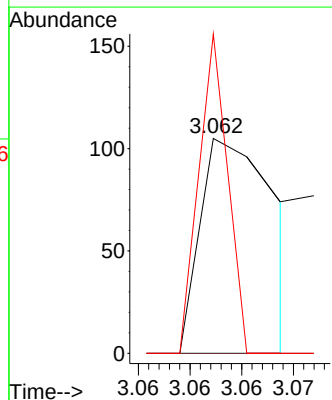
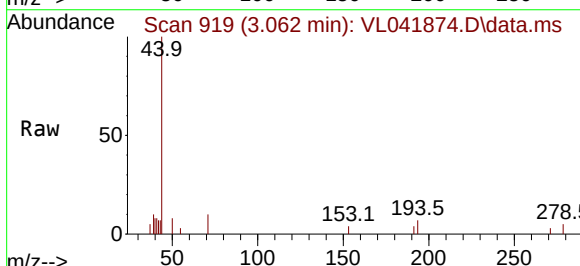
Delta R.T. -0.013 min

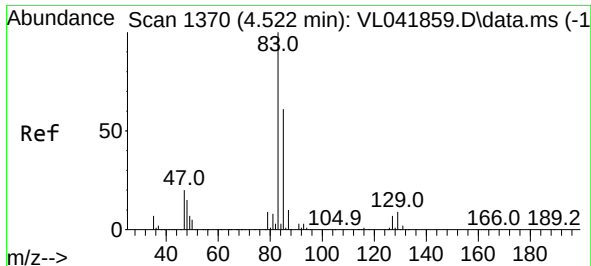
Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Tgt Ion: 42 Resp: 53

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	30.1	45.1#

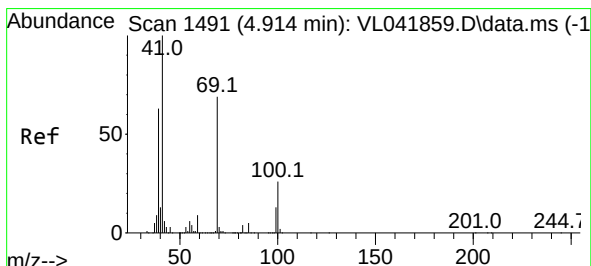
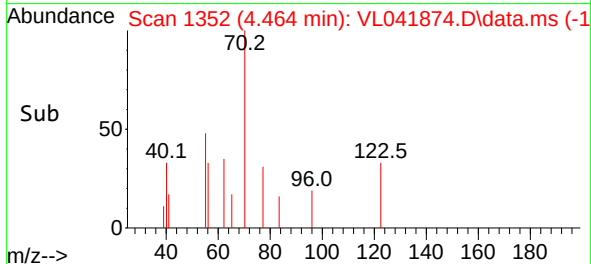
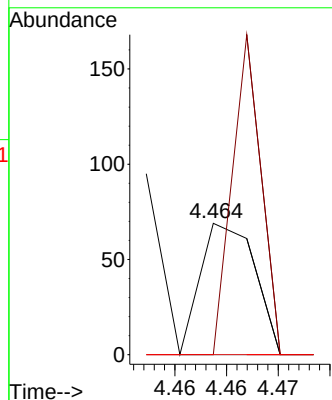
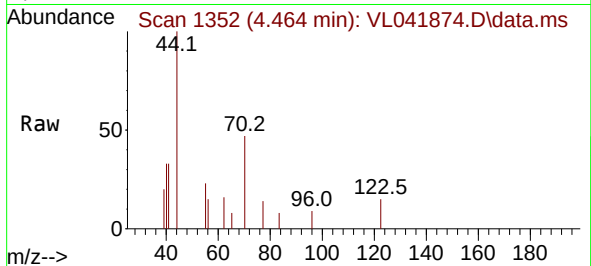




#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 4.464 min Scan# 11
Delta R.T. -0.058 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

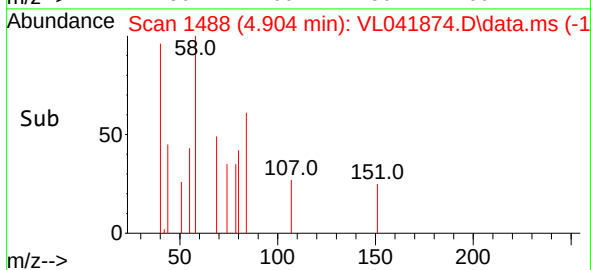
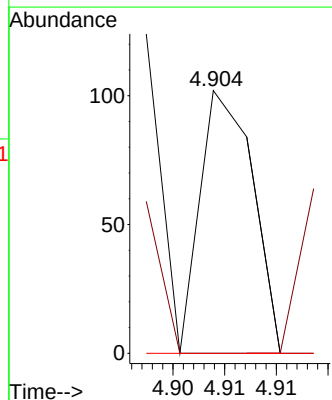
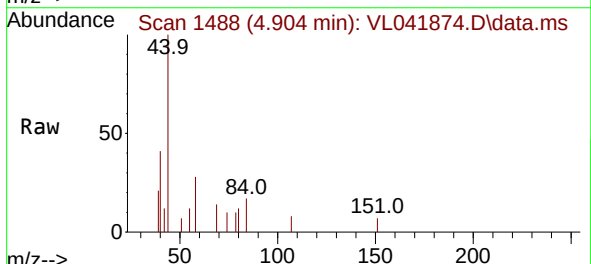
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

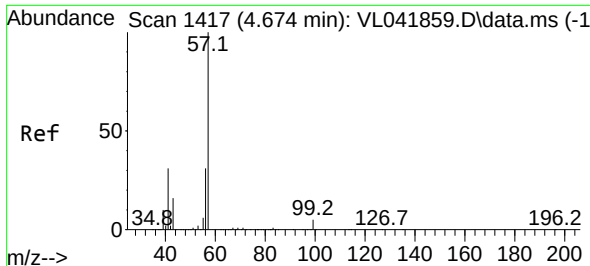
Tgt Ion: 83 Resp: 25
Ion Ratio Lower Upper
83 100
85 0.0 48.9 73.3#
127 0.0 5.4 8.2#



#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.904 min Scan# 1488
Delta R.T. -0.010 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 69 Resp: 36
Ion Ratio Lower Upper
69 100
41 780.6 116.2 174.4#
100 0.0 29.8 44.8#

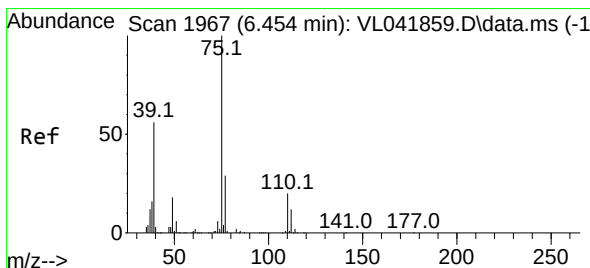
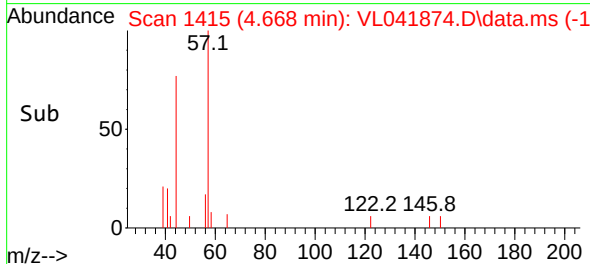
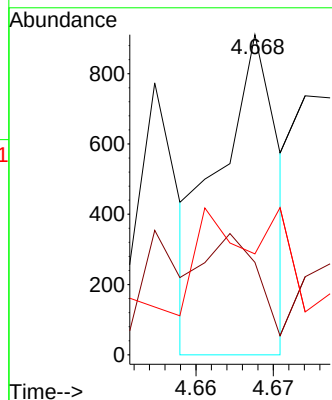
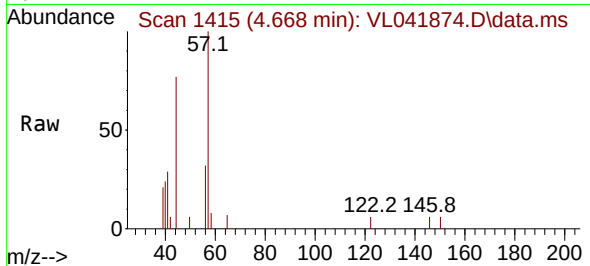




#44
 2,2,4-Trimethylpentane
 Concen: 0.007 ppbv
 RT: 4.668 min Scan# 1417
 Delta R.T. -0.006 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

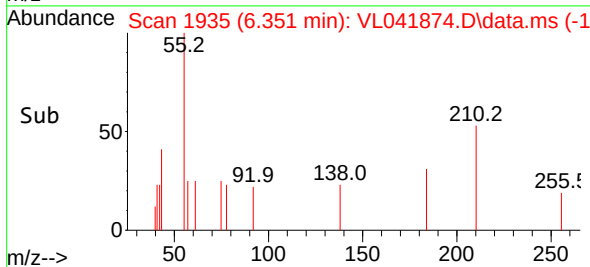
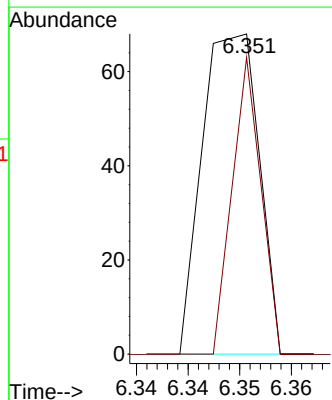
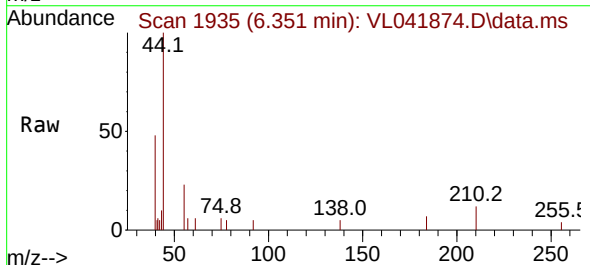
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

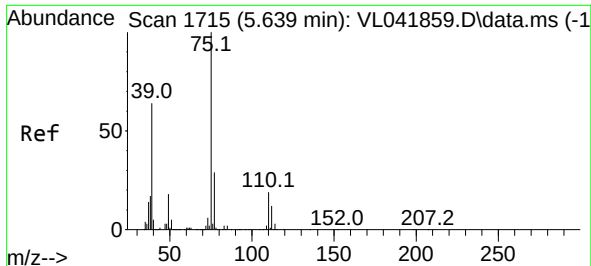
Tgt Ion: 57 Resp: 491
 Ion Ratio Lower Upper
 57 100
 41 0.0 25.5 38.3#
 56 0.0 25.6 38.4#



#45
 t-1,3-Dichloropropene
 Concen: 0.001 ppbv
 RT: 6.351 min Scan# 1935
 Delta R.T. -0.104 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion: 75 Resp: 26
 Ion Ratio Lower Upper
 75 100
 77 92.6 23.4 35.2#

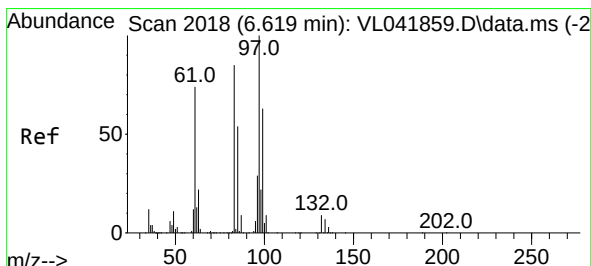
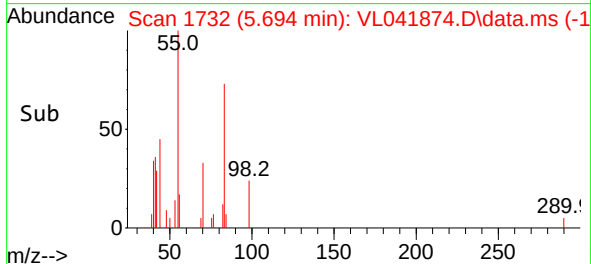
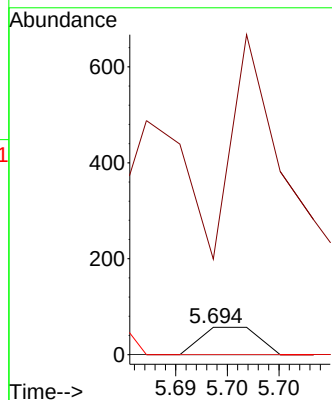
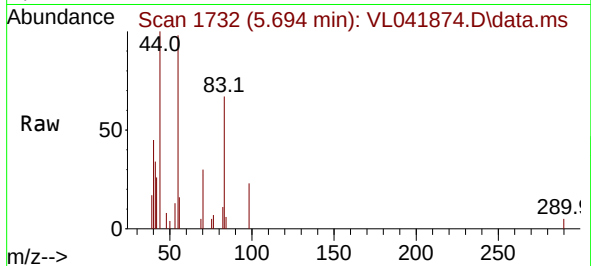




#46
 cis-1,3-Dichloropropene
 Concen: 0.001 ppbv
 RT: 5.694 min Scan# 11
 Delta R.T. 0.055 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

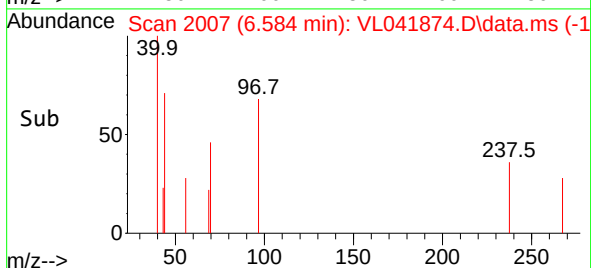
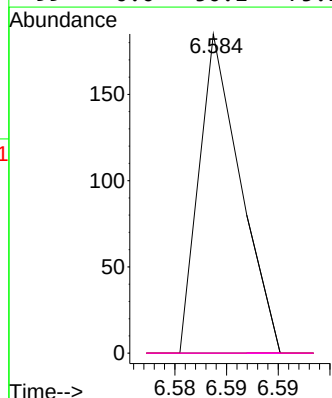
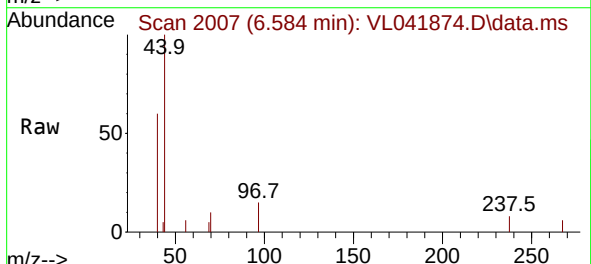
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

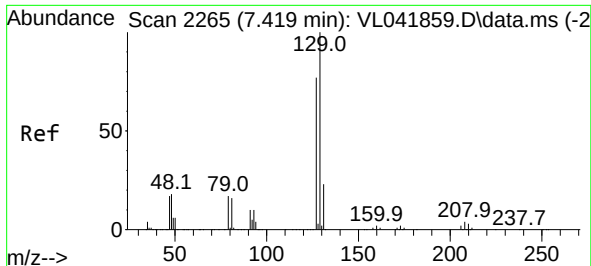
Tgt Ion: 75 Resp: 22
 Ion Ratio Lower Upper
 75 100
 39 0.0 51.4 77.2#
 77 0.0 23.0 34.4#



#47
 1,1,2-Trichloroethane
 Concen: 0.003 ppbv
 RT: 6.584 min Scan# 2007
 Delta R.T. -0.036 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion: 97 Resp: 51
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.1 102.1#
 85 0.0 43.4 65.2#
 99 0.0 50.1 75.1#

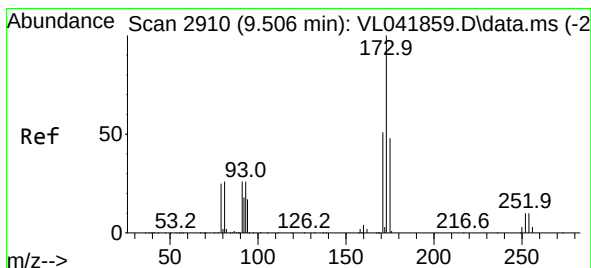
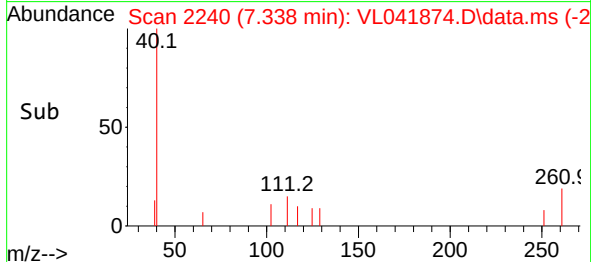
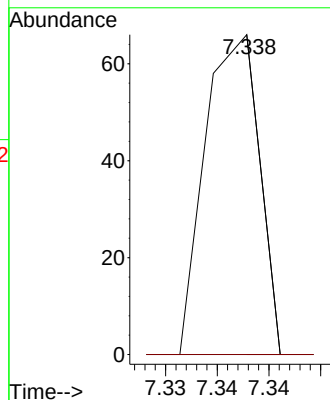
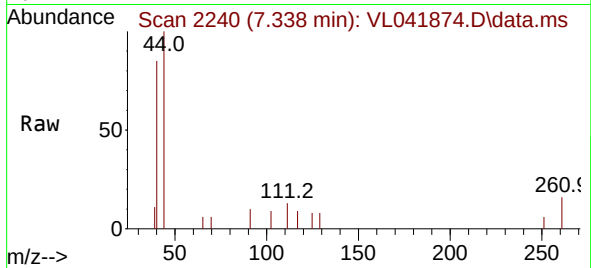




#48
 Dibromochloromethane
 Concen: 0.001 ppbv
 RT: 7.338 min Scan# 21
 Delta R.T. -0.081 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

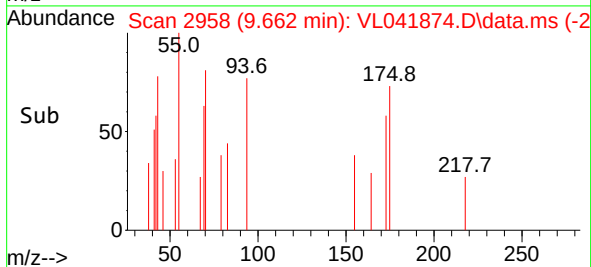
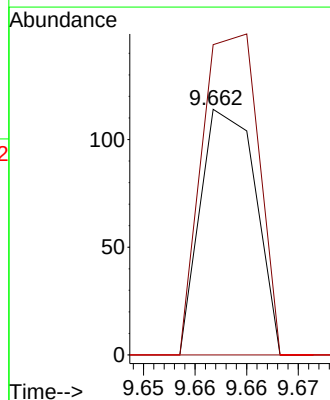
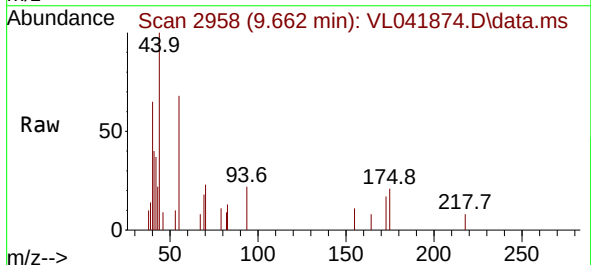
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

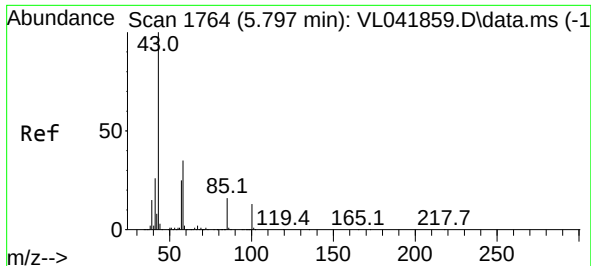
Tgt Ion:129 Resp: 24
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.4 118.1#



#49
 Bromoform
 Concen: 0.002 ppbv
 RT: 9.662 min Scan# 2958
 Delta R.T. 0.155 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion:173 Resp: 42
 Ion Ratio Lower Upper
 173 100
 175 135.7 38.2 57.2#
 171 26.2 41.3 61.9#

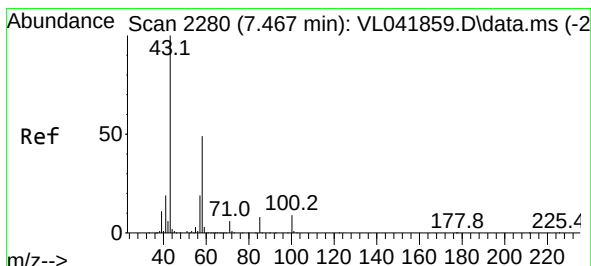
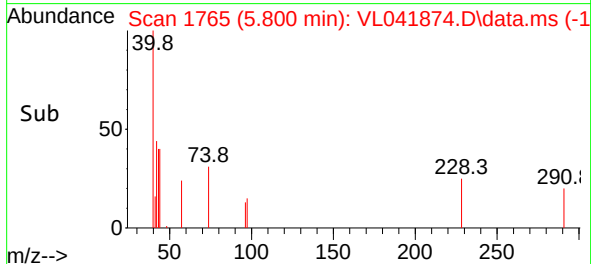
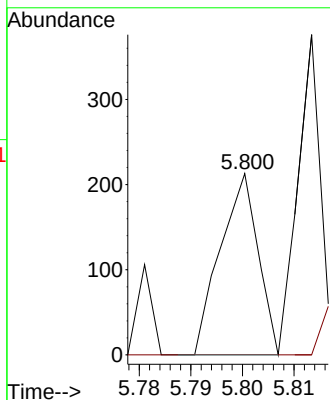
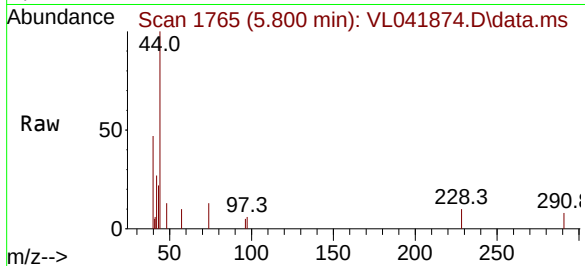




#50
 4-Methyl-2-Pentanone
 Concen: 0.003 ppbv
 RT: 5.800 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

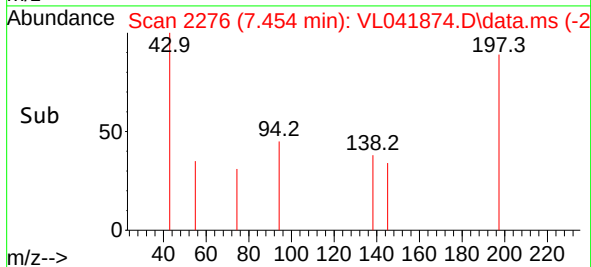
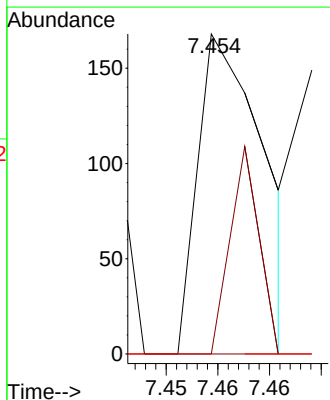
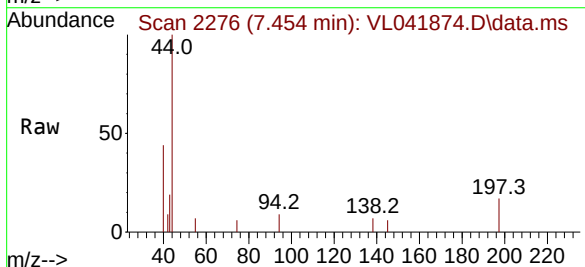
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

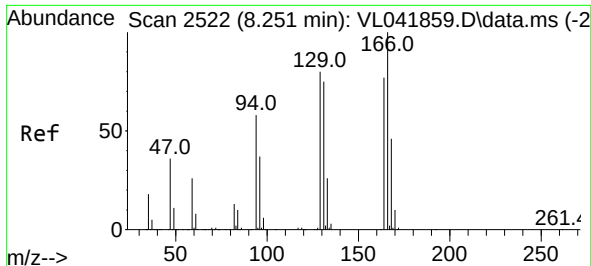
Tgt Ion: 43 Resp: 109
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.2#



#51
 2-Hexanone
 Concen: 0.002 ppbv
 RT: 7.454 min Scan# 2276
 Delta R.T. -0.013 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion: 43 Resp: 76
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.0 60.0#
 98 0.0 0.1 0.1#

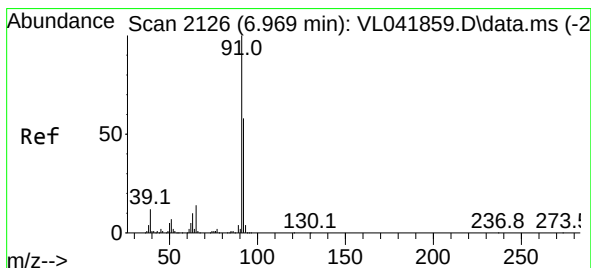
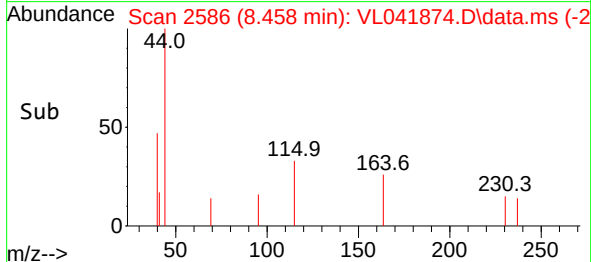
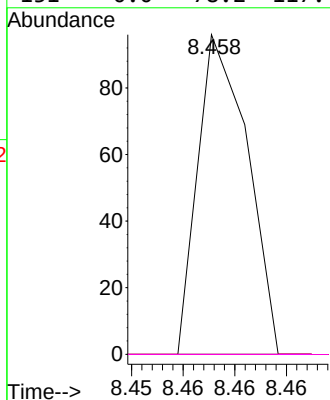
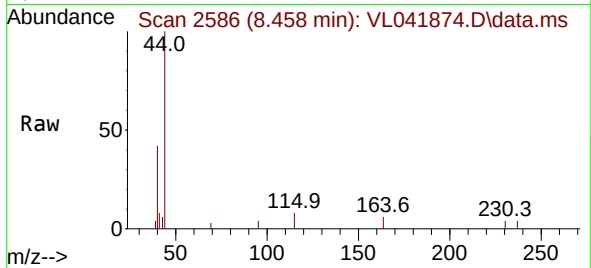




#52
Tetrachloroethene
Concen: 0.002 ppbv
RT: 8.458 min Scan# 2123
Delta R.T. 0.207 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

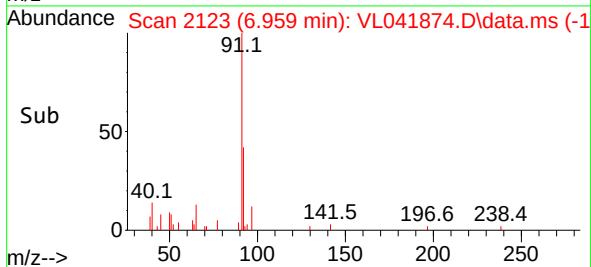
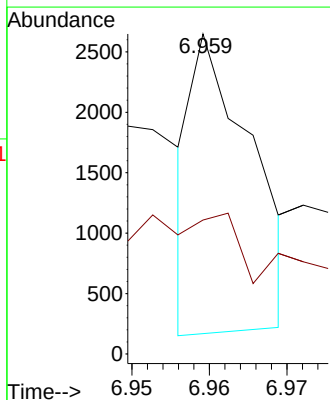
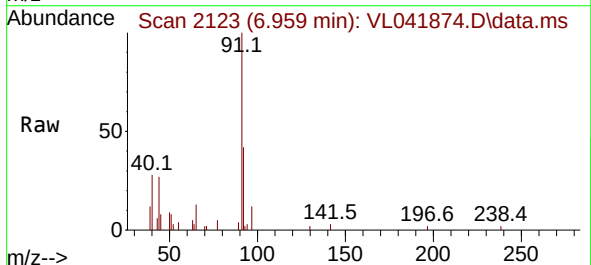
Instrument :
MSVOA_1
ClientSampleId :
AMBIENT AIR

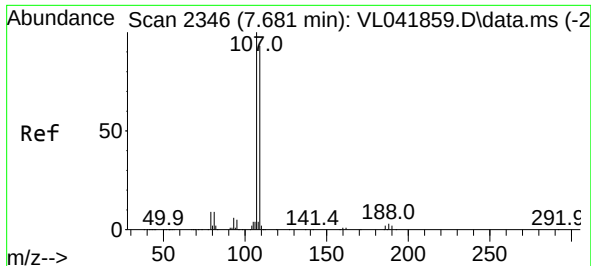
Tgt Ion:164	Resp:	32
Ion Ratio	Lower	Upper
164	100	
166	0.0	103.6 155.4#
129	0.0	82.6 123.8#
131	0.0	78.2 117.4#



#53
Toluene
Concen: 0.027 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 91	Resp:	1322
Ion Ratio	Lower	Upper
91	100	
92	160.7	47.2 70.8#

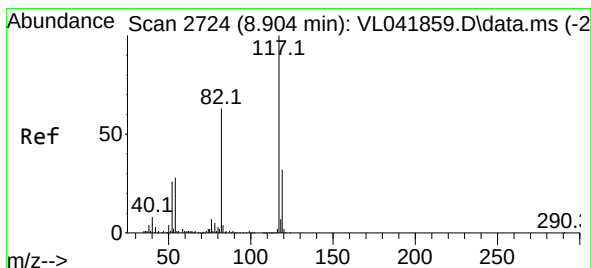
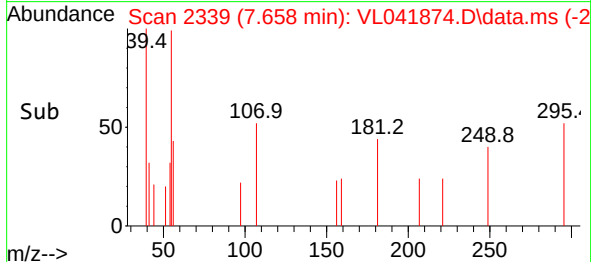
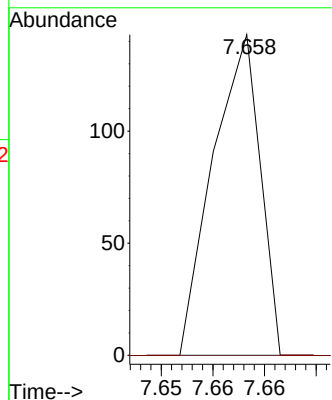
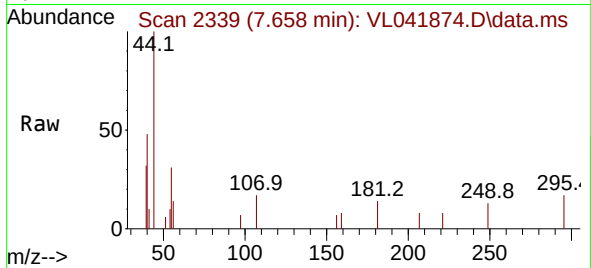




#54
1,2-Dibromoethane
Concen: 0.002 ppbv
RT: 7.658 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

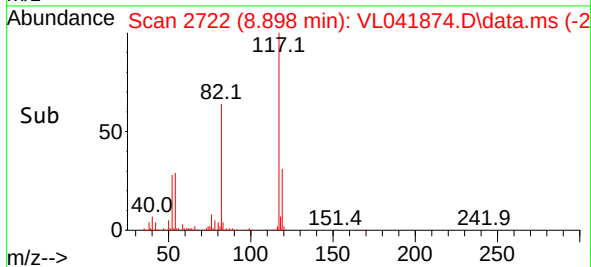
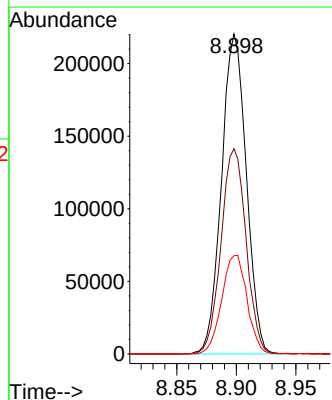
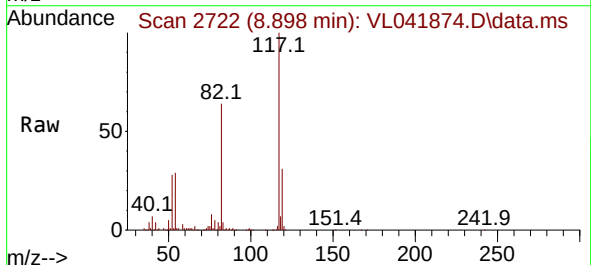
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

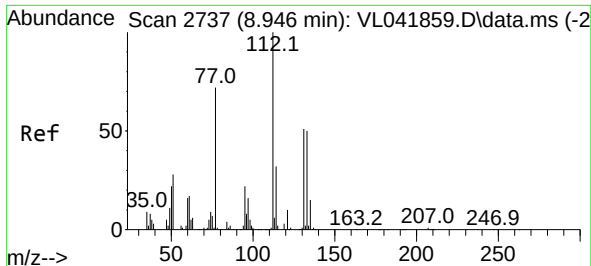
Tgt Ion:107 Resp: 45
Ion Ratio Lower Upper
107 100
109 0.0 74.6 112.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.006 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion:117 Resp: 318762
Ion Ratio Lower Upper
117 100
82 64.6 54.5 81.7
119 31.6 24.6 37.0

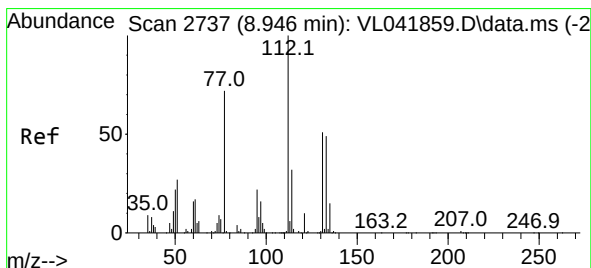
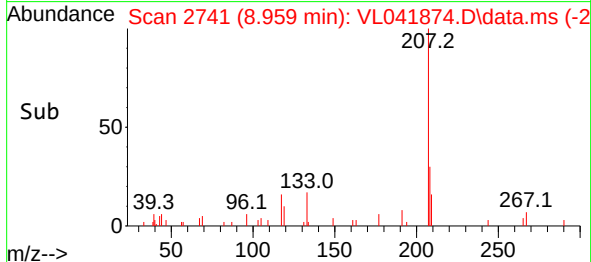
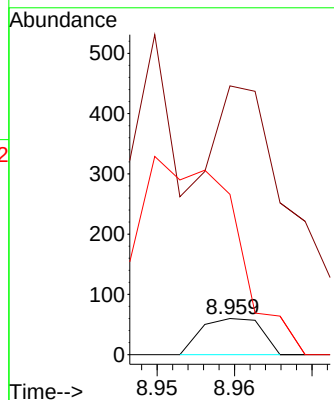
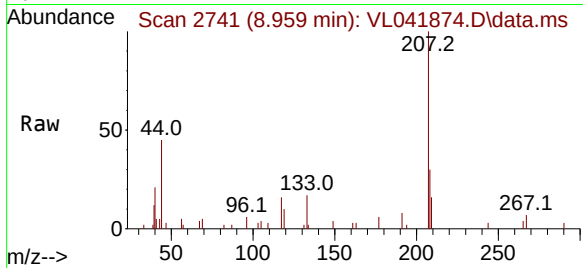




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.002 ppbv
 RT: 8.959 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

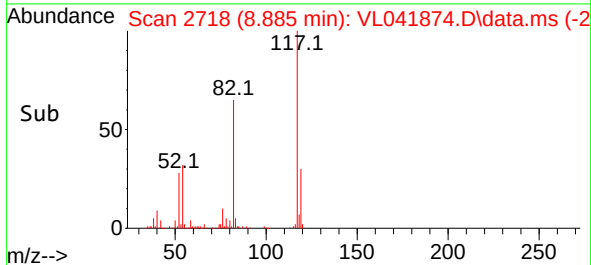
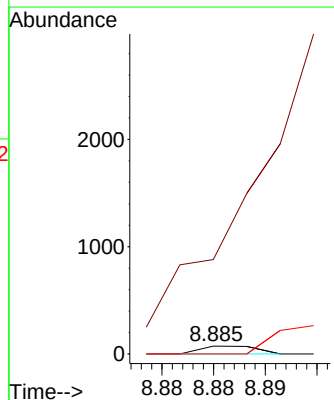
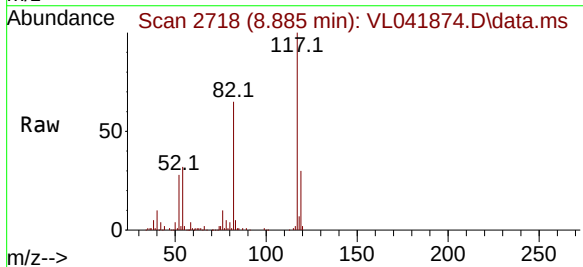
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

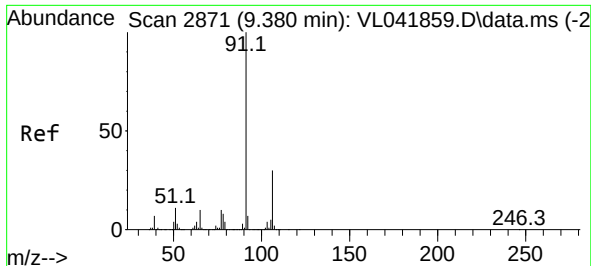
Tgt Ion:131 Resp: 32
 Ion Ratio Lower Upper
 131 100
 133 2209.4 77.4 116.2#
 119 314246.9 49.4 74.0#



#57
 Chlorobenzene
 Concen: 0.001 ppbv
 RT: 8.885 min Scan# 2718
 Delta R.T. -0.061 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

Tgt Ion:112 Resp: 28
 Ion Ratio Lower Upper
 112 100
 77 68.5 58.3 87.5
 114 0.0 28.9 35.3#





#58

Ethyl Benzene

Concen: 0.013 ppbv

RT: 9.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

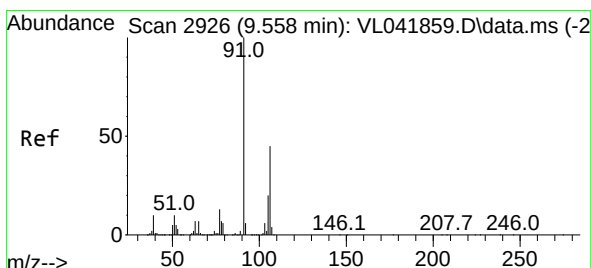
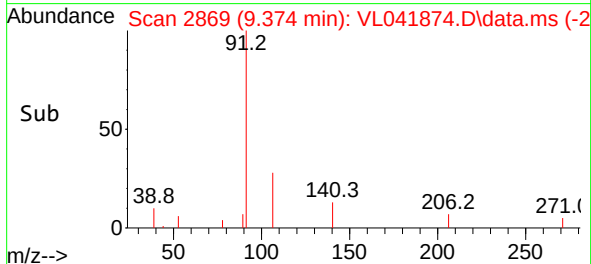
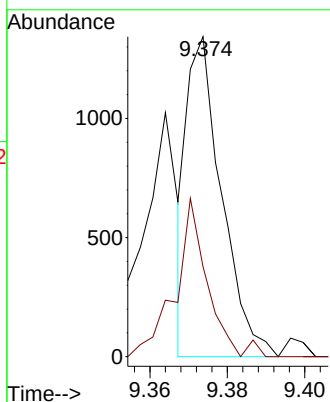
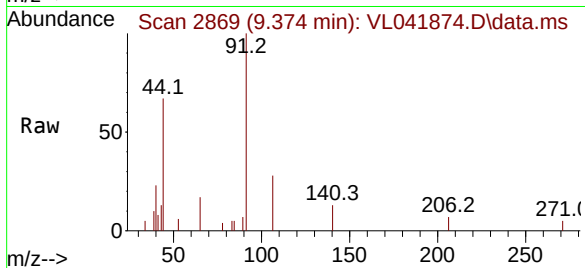
AMBIENT AIR

Tgt Ion: 91 Resp: 833

Ion Ratio Lower Upper

91 100

106 28.1 24.2 36.2



#59

m/p-Xylene

Concen: 0.023 ppbv

RT: 9.545 min Scan# 2922

Delta R.T. -0.013 min

Lab File: VL041874.D

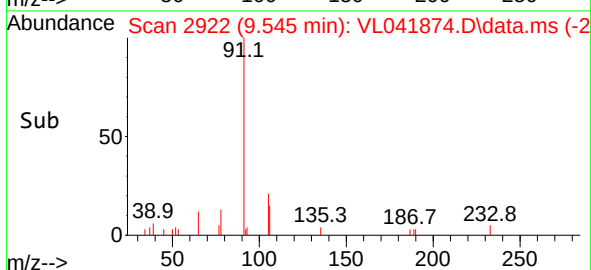
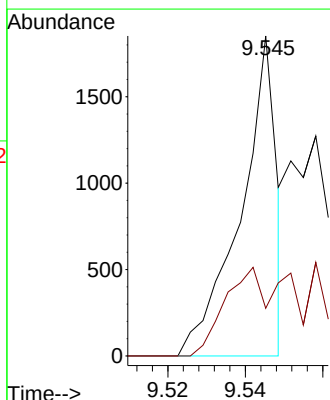
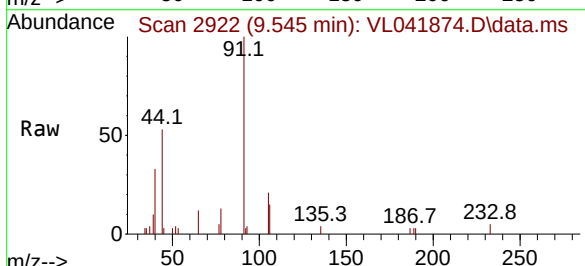
Acq: 09 Jan 2025 19:43

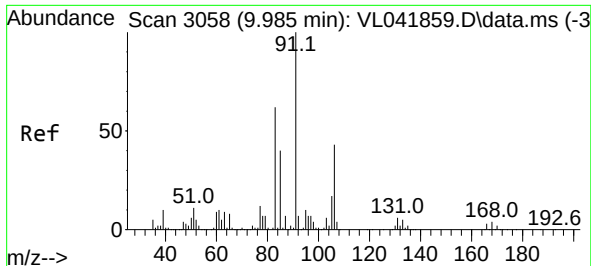
Tgt Ion: 91 Resp: 1191

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0





#60

o-Xylene

Concen: 0.012 ppbv

RT: 9.982 min Scan# 3058

Delta R.T. -0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

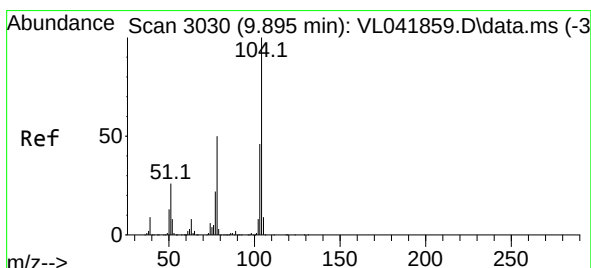
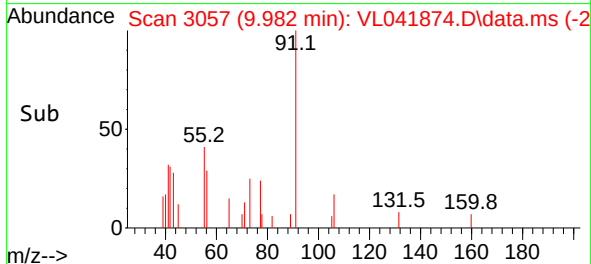
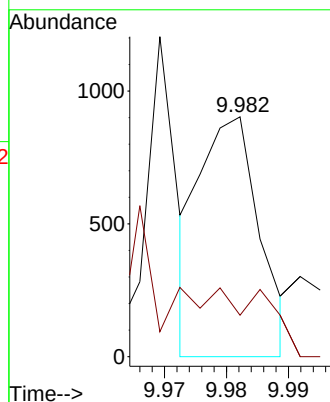
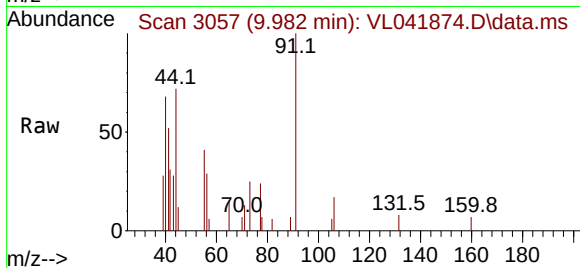
AMBIENT AIR

Tgt Ion: 91 Resp: 606

Ion Ratio Lower Upper

91 100

106 0.0 21.4 64.3#



#61

Styrene

Concen: 0.006 ppbv

RT: 9.892 min Scan# 3029

Delta R.T. -0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

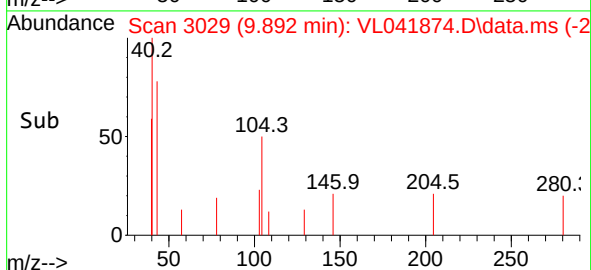
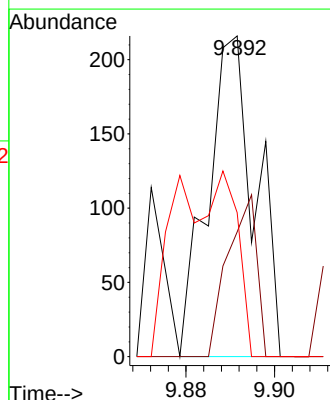
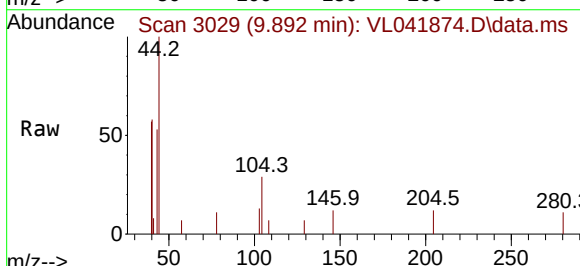
Tgt Ion: 104 Resp: 161

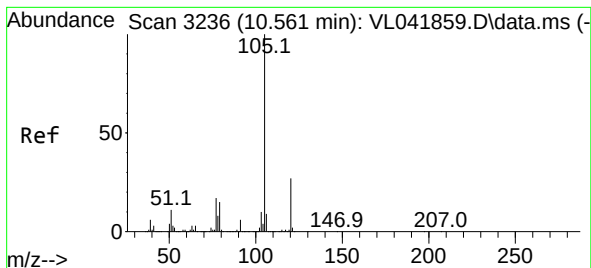
Ion Ratio Lower Upper

104 100

78 37.9 40.7 61.1#

103 73.9 37.0 55.6#





#62

Isopropylbenzene

Concen: 0.002 ppbv

RT: 10.558 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

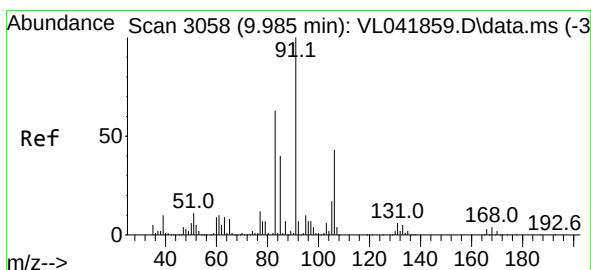
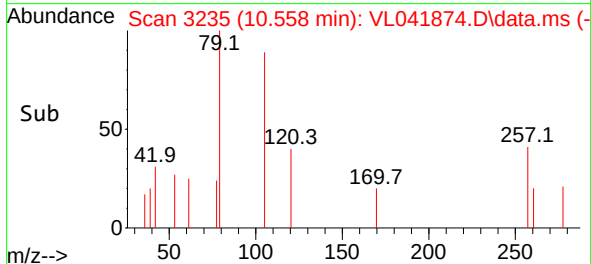
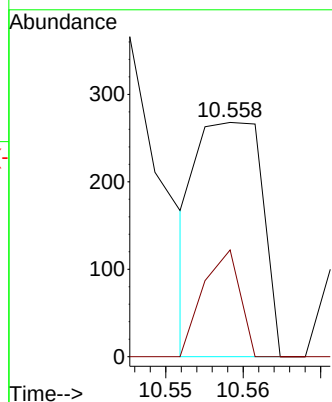
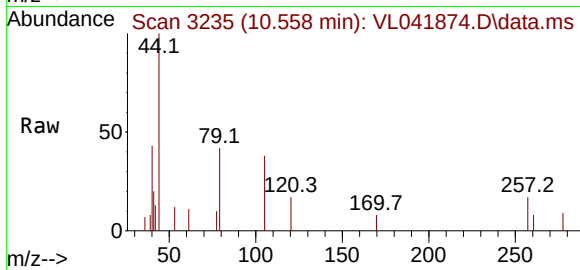
AMBIENT AIR

Tgt Ion:105 Resp: 155

Ion Ratio Lower Upper

105 100

120 40.0 20.3 30.5#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.032 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

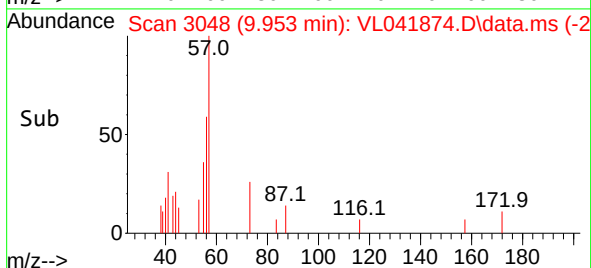
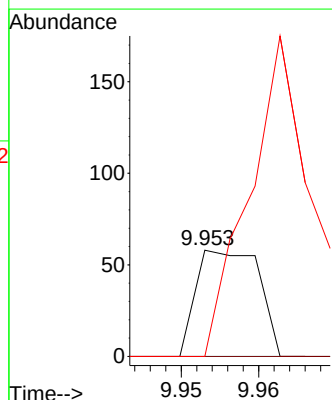
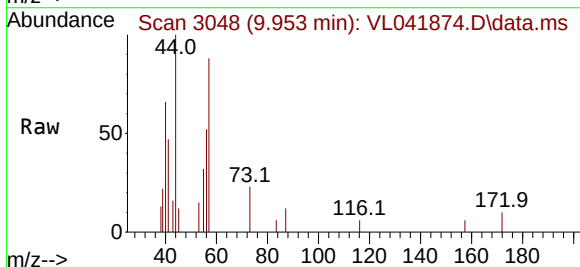
Tgt Ion: 83 Resp: 33

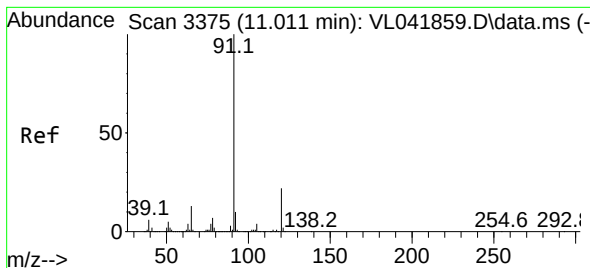
Ion Ratio Lower Upper

83 100

131 75.8 4.8 14.3#

85 539.4 32.1 96.3#





#64

n-propylbenzene

Concen: 0.002 ppbv

RT: 11.015 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

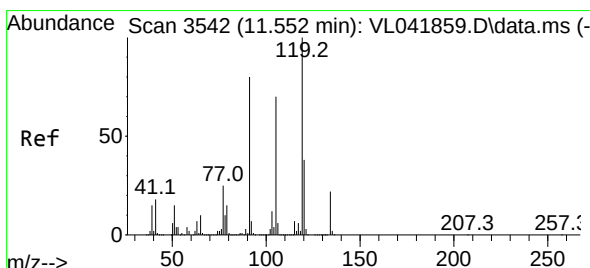
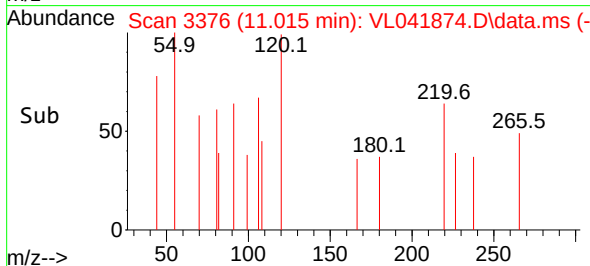
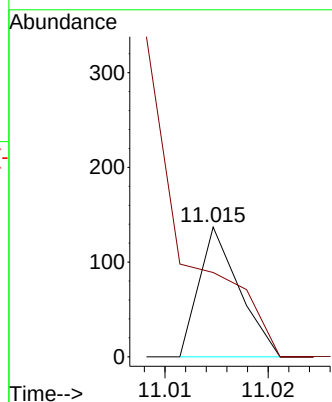
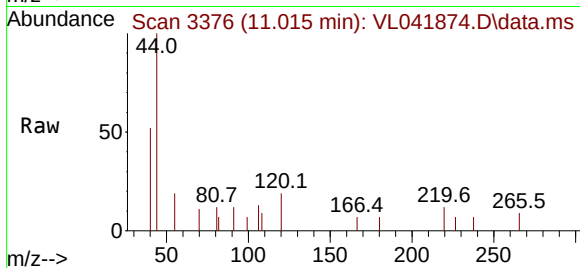
AMBIENT AIR

Tgt Ion:120 Resp: 37

Ion Ratio Lower Upper

120 100

91 1259.5 376.9 565.3#



#65

tert-Butylbenzene

Concen: 0.002 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

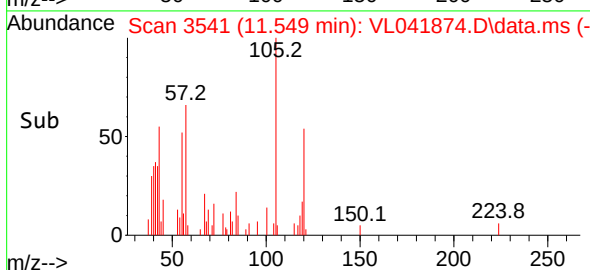
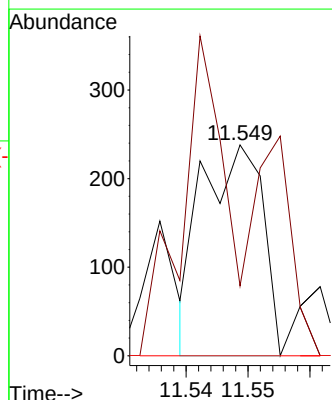
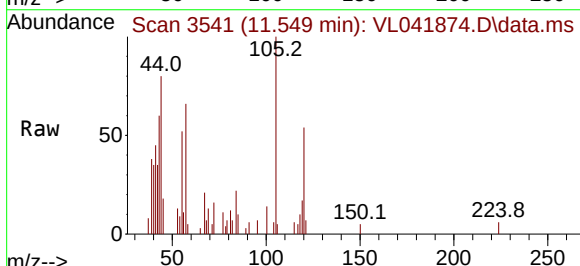
Tgt Ion:119 Resp: 162

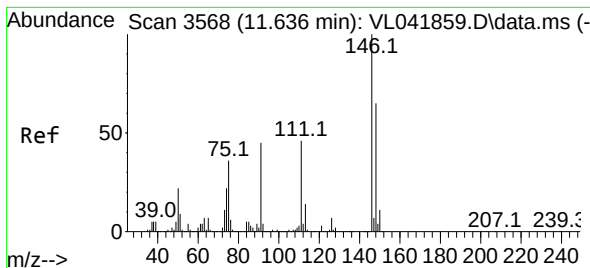
Ion Ratio Lower Upper

119 100

91 171.0 64.6 97.0#

134 0.0 16.9 25.3#

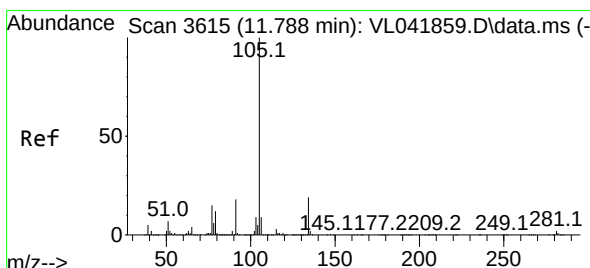
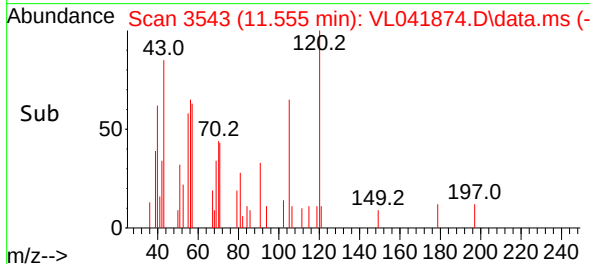
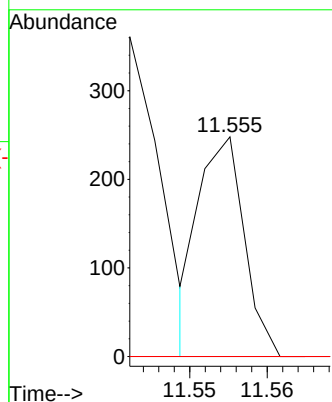
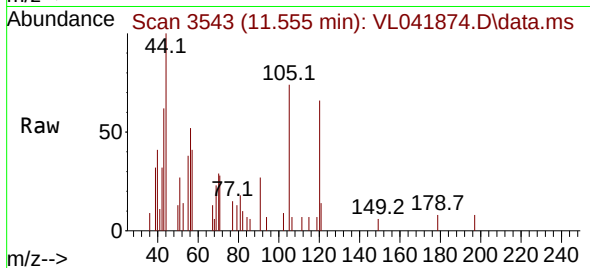




#66
Benzyl Chloride
Concen: 0.014 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. -0.081 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

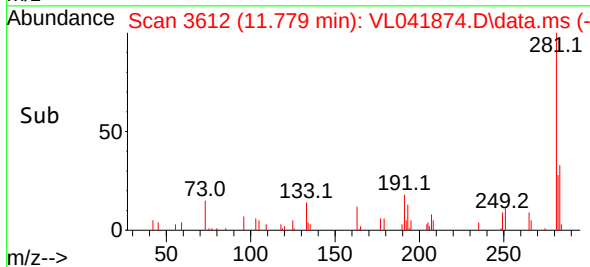
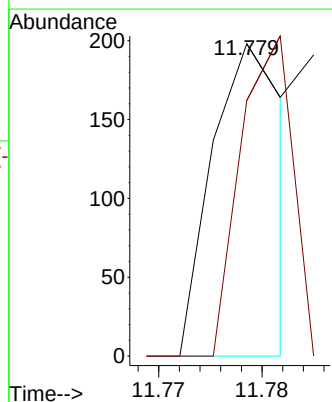
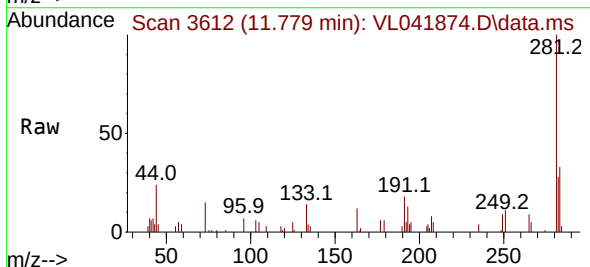
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

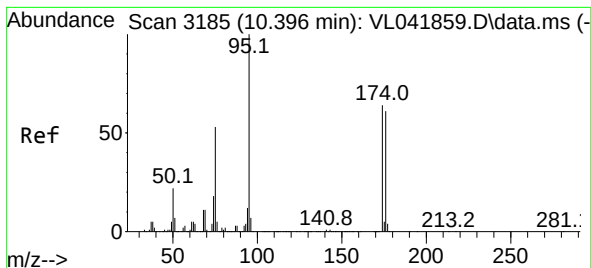
Tgt Ion: 91 Resp: 100
Ion Ratio Lower Upper
91 100
126 0.0 13.9 20.9#
128 30.0 4.8 7.2#



#67
sec-Butylbenzene
Concen: 0.001 ppbv
RT: 11.779 min Scan# 3612
Delta R.T. -0.010 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 105 Resp: 97
Ion Ratio Lower Upper
105 100
134 0.0 15.4 23.2#

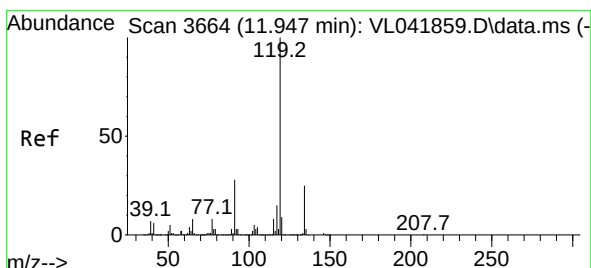
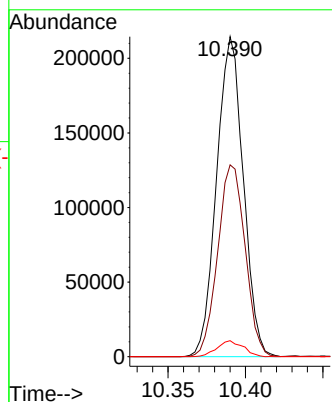
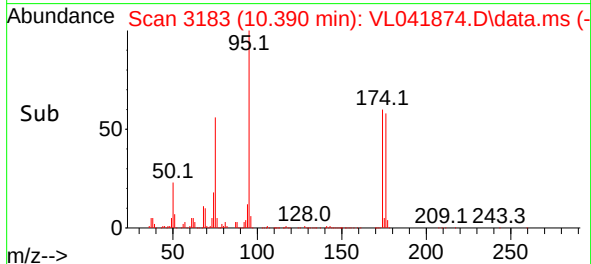
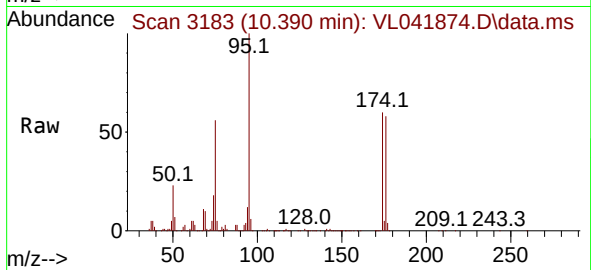




#68
1-Bromo-4-Fluorobenzene
Concen: 10.054 ppbv
RT: 10.390 min Scan# 3185
Delta R.T. -0.006 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

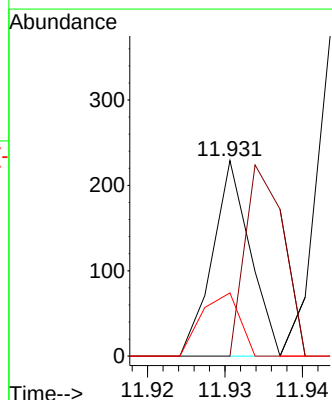
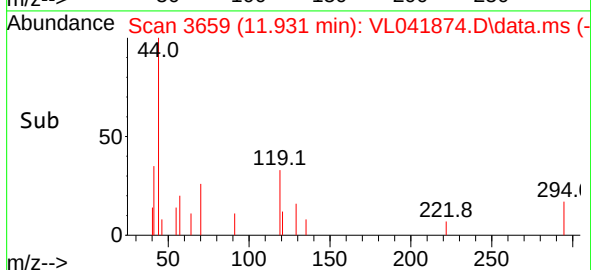
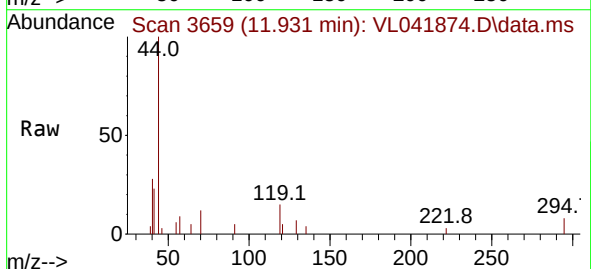
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

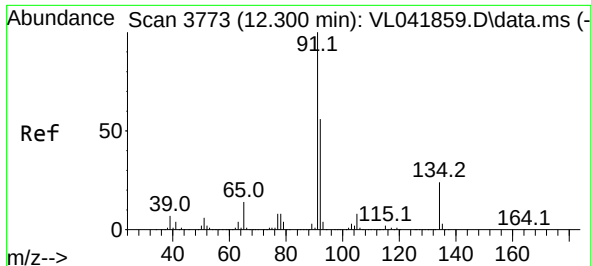
Tgt Ion: 95 Resp: 256988
Ion Ratio Lower Upper
95 100
174 61.7 51.1 76.7
175 4.9 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.001 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. -0.016 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 119 Resp: 78
Ion Ratio Lower Upper
119 100
134 98.7 20.3 30.5#
91 0.0 22.6 34.0#

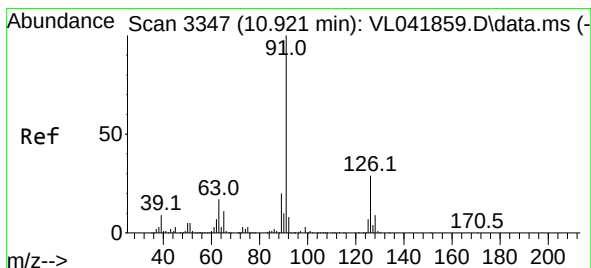
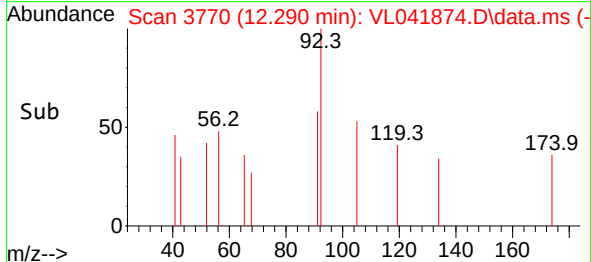
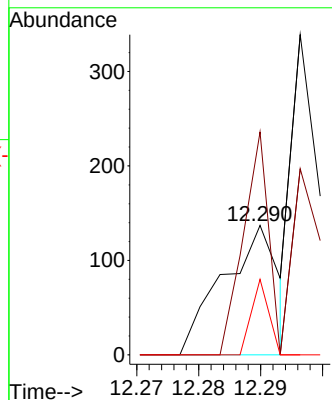
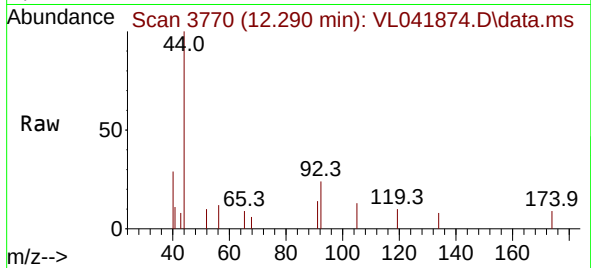




#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 12.290 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

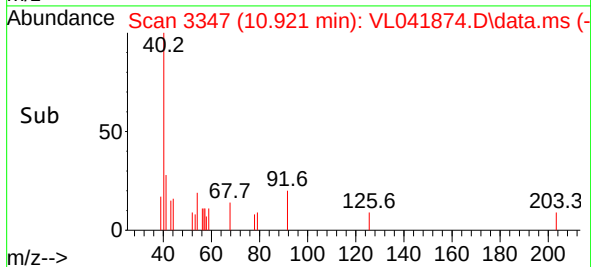
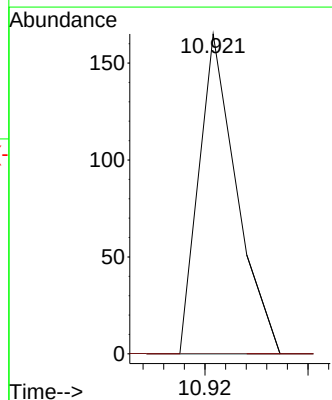
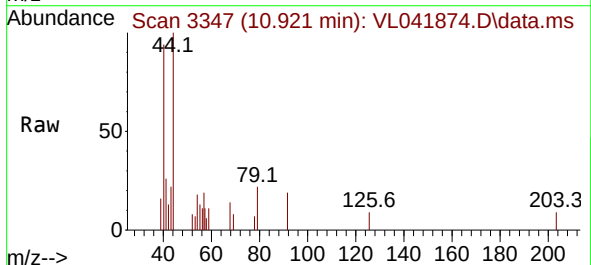
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

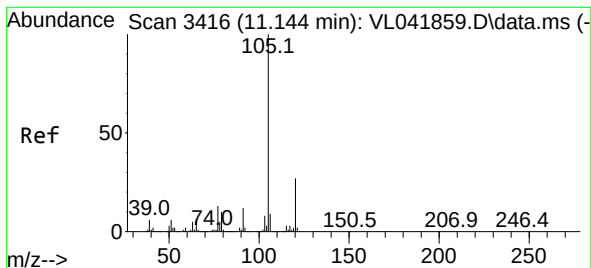
Tgt Ion: 91 Resp: 85
Ion Ratio Lower Upper
91 100
92 150.6 43.8 65.8#
134 0.0 19.3 28.9#



#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 10.921 min Scan# 3347
Delta R.T. 0.000 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion: 91 Resp: 42
Ion Ratio Lower Upper
91 100
126 0.0 11.6 46.6#





#72

4-Ethyltoluene

Concen: 0.003 ppbv

RT: 11.134 min Scan# 3416

Delta R.T. -0.010 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT AIR

Tgt Ion:105 Resp: 180

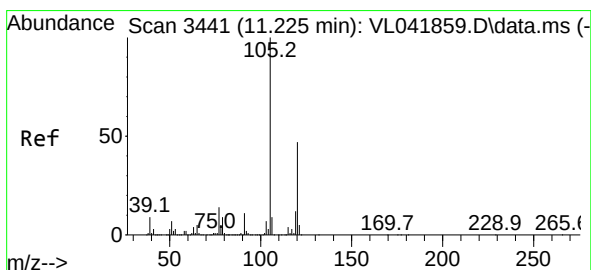
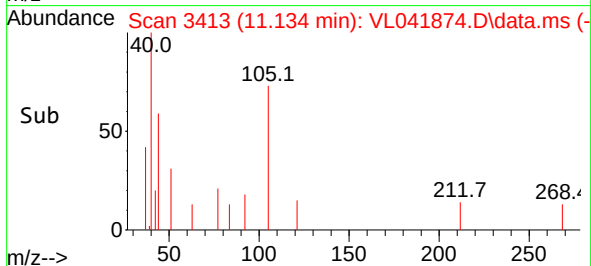
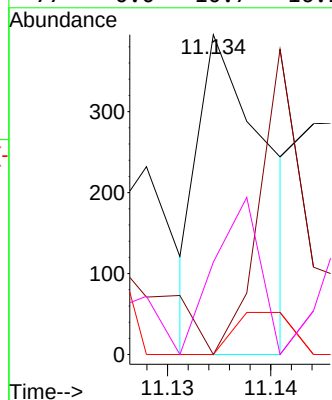
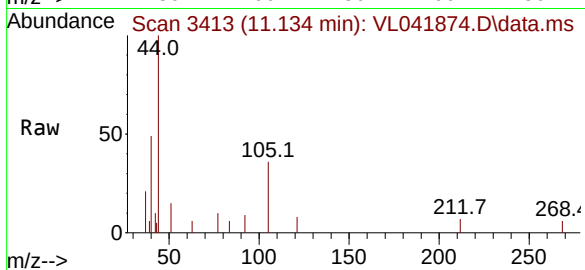
Ion Ratio Lower Upper

105 100

120 0.0 23.5 35.3#

91 0.0 9.8 14.8#

77 0.0 10.7 16.1#



#73

1,3,5-Trimethylbenzene

Concen: 0.006 ppbv

RT: 11.222 min Scan# 3440

Delta R.T. -0.003 min

Lab File: VL041874.D

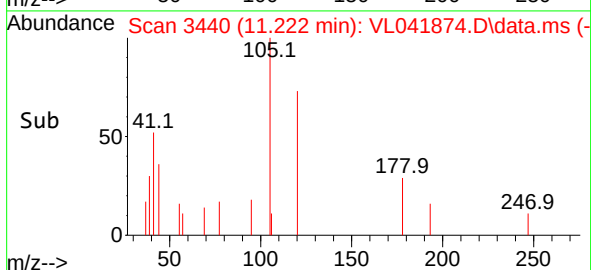
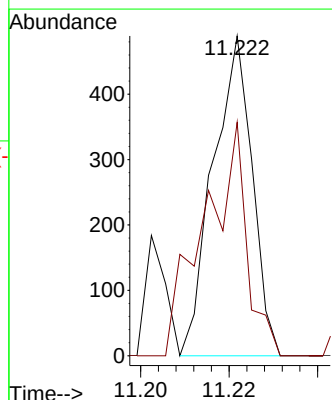
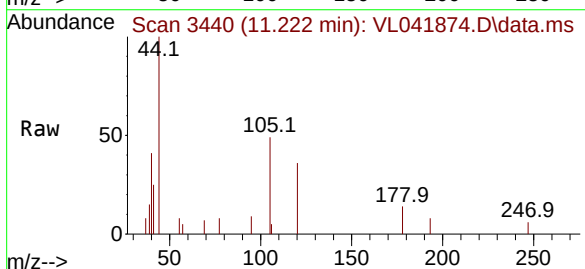
Acq: 09 Jan 2025 19:43

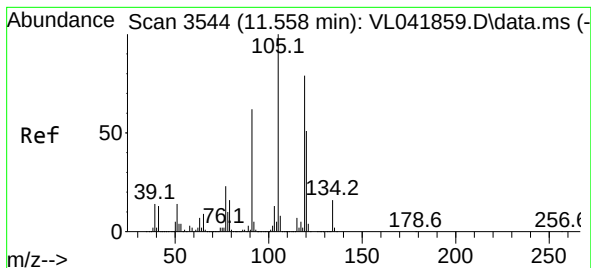
Tgt Ion:105 Resp: 301

Ion Ratio Lower Upper

105 100

120 73.0 37.2 55.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.026 ppbv

RT: 11.549 min Scan# 3544

Delta R.T. -0.010 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

AMBIENT AIR

Tgt Ion:105 Resp: 1544

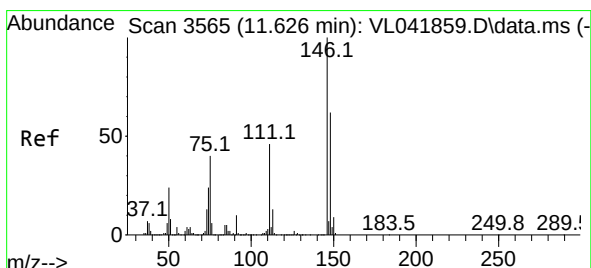
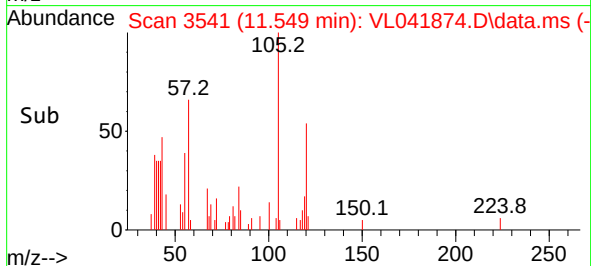
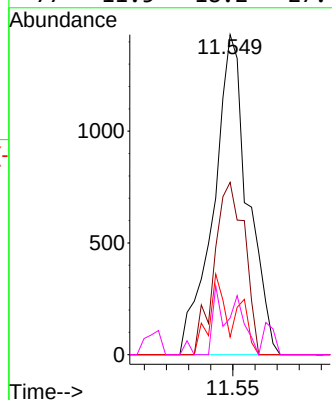
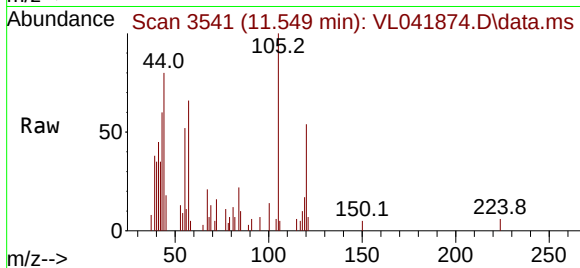
Ion Ratio Lower Upper

105 100

120 53.8 41.1 61.7

91 5.5 50.0 75.0#

77 11.5 18.2 27.4#



#75

1,3-Dichlorobenzene

Concen: 0.002 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.049 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

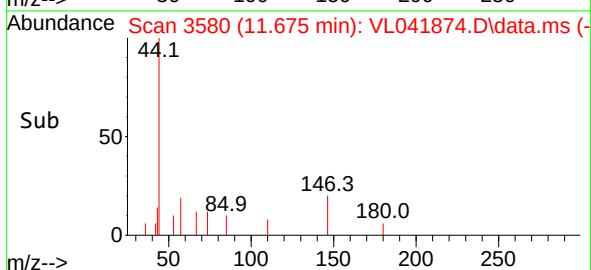
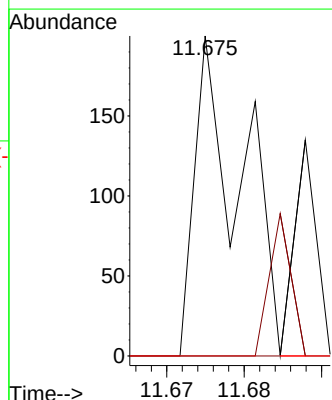
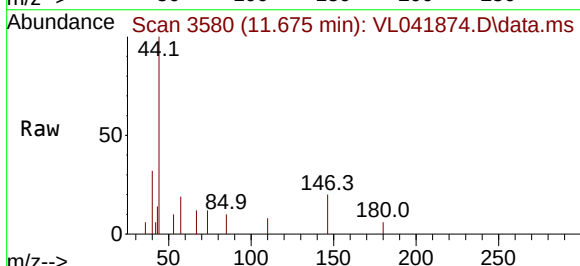
Tgt Ion:146 Resp: 83

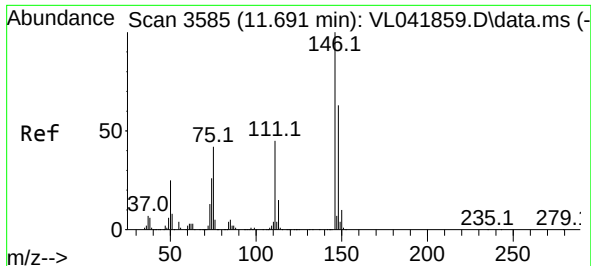
Ion Ratio Lower Upper

146 100

111 156.6 23.2 69.5#

148 0.0 31.6 94.7#

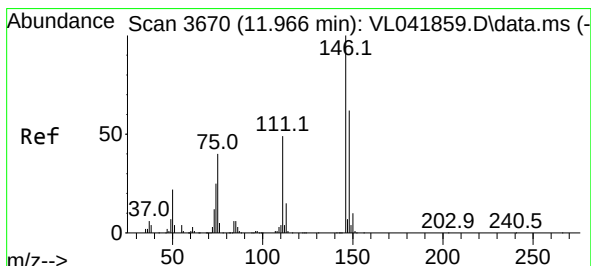
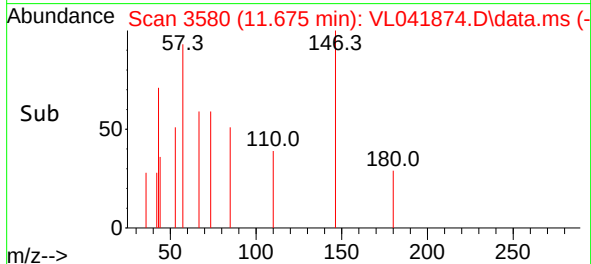
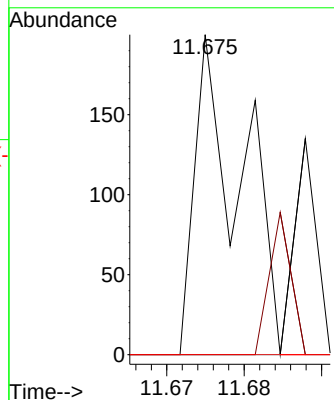
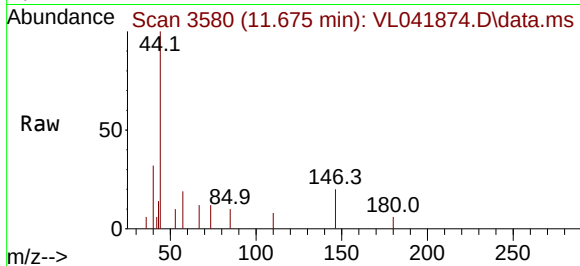




#76
1,4-Dichlorobenzene
Concen: 0.002 ppbv
RT: 11.675 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

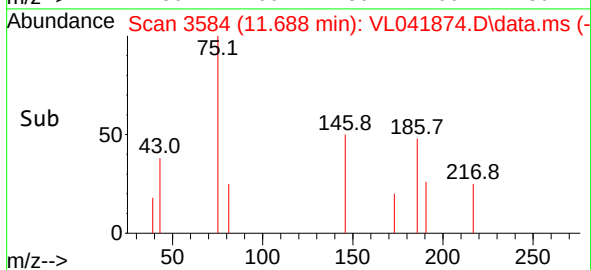
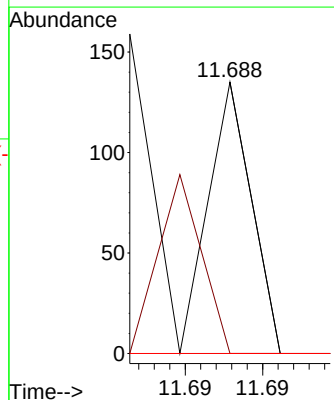
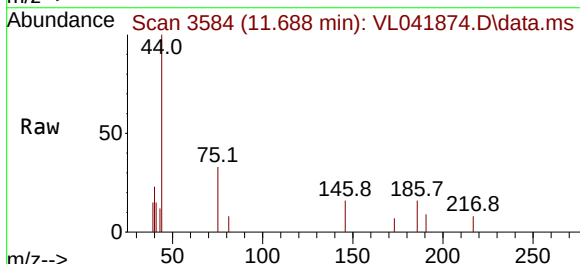
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

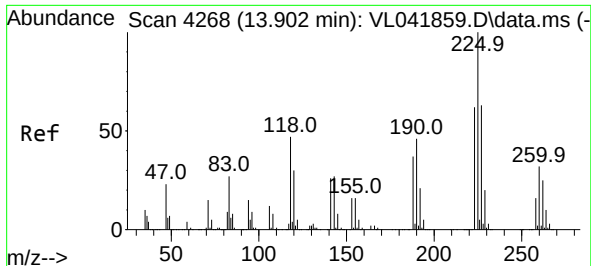
Tgt Ion:146 Resp: 83
Ion Ratio Lower Upper
146 100
111 89.2 22.1 66.1#
148 0.0 31.2 93.6#



#77
1,2-Dichlorobenzene
Concen: 0.001 ppbv
RT: 11.688 min Scan# 3584
Delta R.T. -0.278 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion:146 Resp: 26
Ion Ratio Lower Upper
146 100
111 492.3 24.1 72.3#
148 0.0 31.5 94.5#

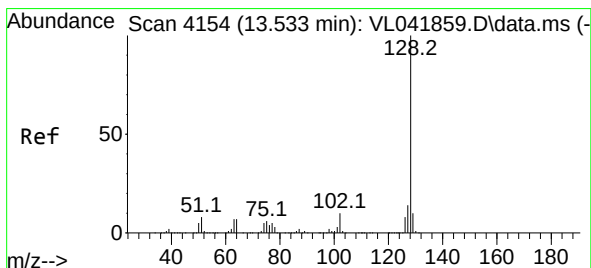
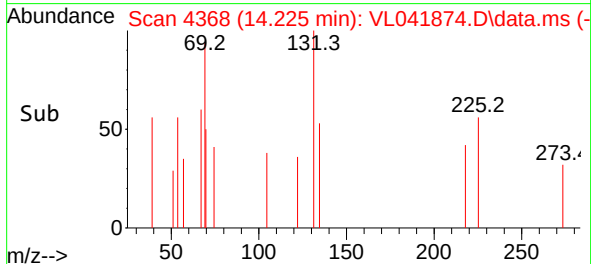
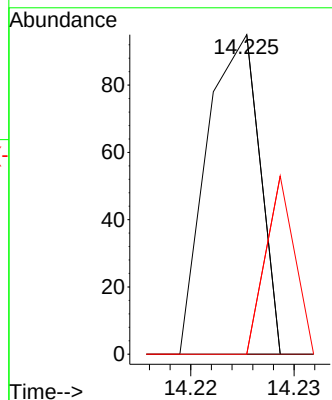
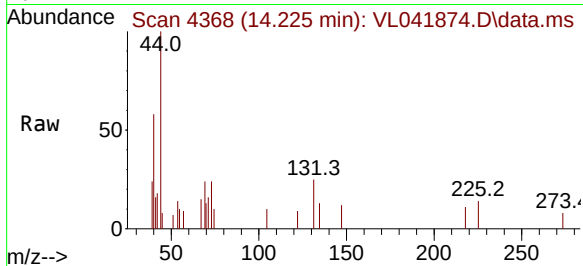




#78
Hexachloro-1,3-Butadiene
Concen: 0.001 ppbv
RT: 14.225 min Scan# 41
Delta R.T. 0.324 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

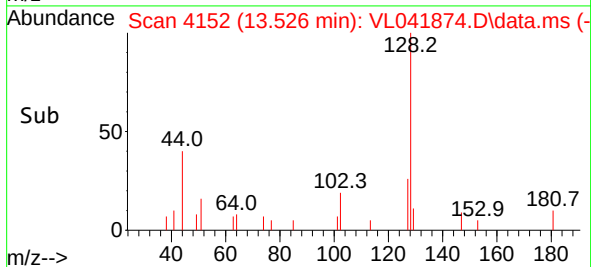
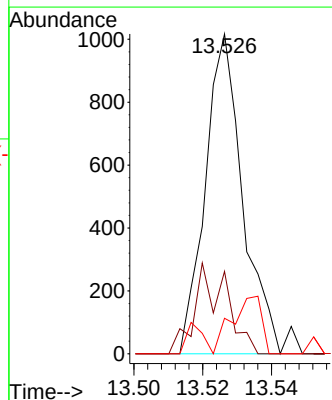
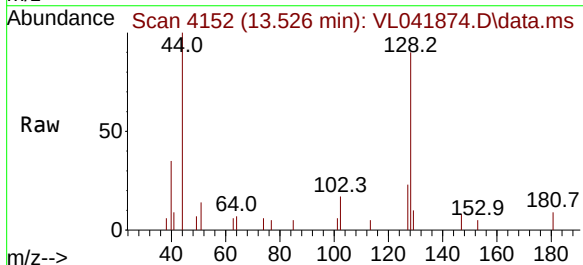
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

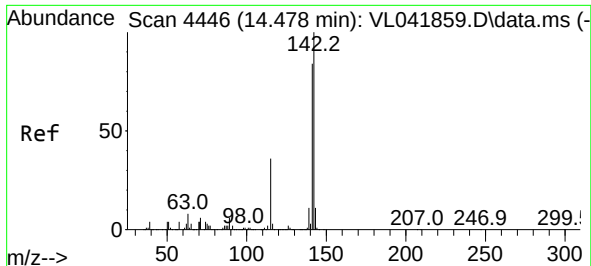
Tgt Ion:225 Resp: 34
Ion Ratio Lower Upper
225 100
223 32.4 50.6 75.8#
227 29.4 50.9 76.3#



#79
Naphthalene
Concen: 0.012 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.006 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion:128 Resp: 767
Ion Ratio Lower Upper
128 100
127 25.8 10.8 16.2#
129 11.1 8.2 12.4

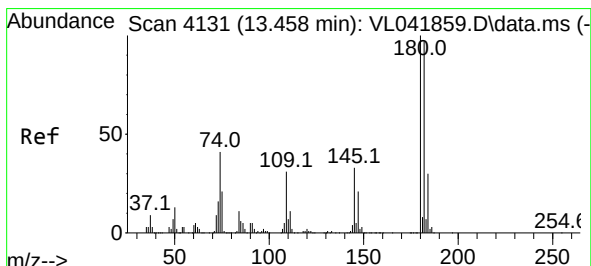
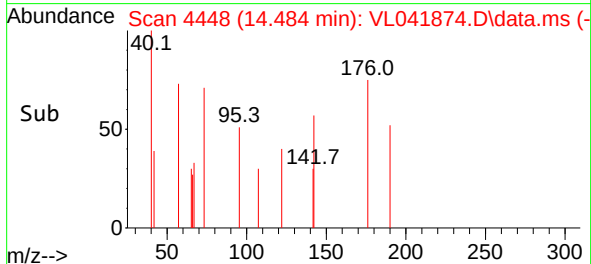
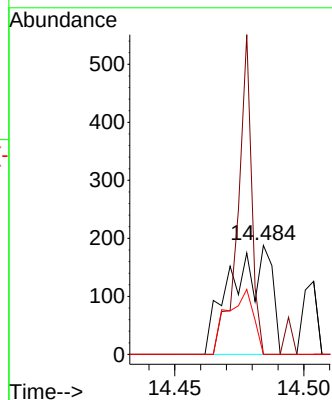
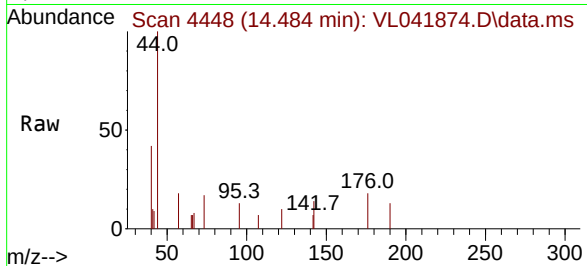




#80
Naphthalene, 2-methyl-
Concen: 0.006 ppbv
RT: 14.484 min Scan# 4448
Delta R.T. 0.007 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

Tgt Ion:142 Resp: 202
Ion Ratio Lower Upper
142 100
141 108.4 68.2 102.4#
115 39.1 29.4 44.2



#81
1,2,4-Trichlorobenzene
Concen: 0.002 ppbv
RT: 13.442 min Scan# 4126
Delta R.T. -0.016 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Tgt Ion:180 Resp: 62
Ion Ratio Lower Upper
180 100
182 0.0 75.8 113.8#
184 0.0 24.1 36.1#

