



SHIPPING DOCUMENTS

Client Contact Information						Bottle Order ID : B2504002				Courier : F Galdun				2 of 2 COCs			
Client ID : GFEL01 Project ID : 10-011101 St.						Sampler Name(s) : FRANK GALDUN				Analysis				Matrix			
Customer : GFE LLC Name : Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :						Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified							
						Phone Number : 646-542-3465											
						Fax Number : 973-334-1692											
						Site Details: 4701 WHITE PLAINS RD, BRONX, NY											
Analysis Turnaround Time 5 DAY						Standard : 10 business days OR				Data Package Type : RESULTS ONLY							
Rush (Specify): 5 Days						EDD Type : PDF											
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	0-15	Indoor Ambient Air	Soil Gas
IA1	4/9/25	10:20	12:20	20	5.5	60	60	-30	-4.7	10511	10285	6 L	50	VL042217.D	1	1	
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) Sut							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY: PCE, TCE, cis-1,2-DCE, 1,1,1-TCA, 1,1-DCE, VINYL CHLORIDE 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: 0.0																	
Sampling site (State):																	
Quick Connector required : No																	
Canisters Shipped by: Sgm				Date/Time: 4/9/25				Canisters Received by:				Date/Time:					
Samples Relinquished by: FLD				Date/Time: 4/9/25				Received by: J.C.				Date/Time: 4.9.2025 1342					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Client Contact Information				Bottle Order ID : B2504002				Courier : F GALDUN				1 of 2 COCs					
Client ID : GFEL01 Project ID : 10 Eldridge St.				Sampler Name(s) : FRANK GALDUN				Analysis				Matrix					
Customer : GFE LLC Name : Address : 58 Nokomis Ave City : Lake Hiawatha State : NJ Zip Code : 07034 Country :				Project Manager : Frank galdun				AIR ANALYSIS CHAIN-OF-CUSTODY Batch Certified									
				Phone Number : 646-542-3465													
				Fax Number : 973-334-1692													
				Site Details: 4701 WHITE PLAINS RD. BRONX, NY													
Analysis Turnaround Time 5 DAY				Standard : 10 Business days OR				Data Package Type : RESULTS ONLY									
Rush (Specify): 5 Days				EDD Type : PDF													
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
SU1	4/9/25	10:48	12:48	30	4.5	60	60	-30	-5.1	10613	10439	6 L	50	VL042217.D	1		1
Temperature (Fahrenheit)										GC/MS Analyst Signature (TO-15) 							
		Ambient	Maximum	Minimum													
Start																	
Stop																	
Pressure (Inches of Hg)										** Submittal of this COC indicates approval of the analysis based on existing conditions. REPORT ONLY: PCE, TCE, cis-1,2-DEE, 1,1-DEE, 1,1-TCA, VINYL CHLORIDE 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: 0.0																	
Sampling site (State):																	
Quick Connector required : NJ																	
Canisters Shipped by:				Date/Time: 04/07/25				Canisters Received by:				Date/Time:					
Samples Relinquished by:				Date/Time: 4/9/25				Received by:				Date/Time: 4-9-2025					
Relinquished by:				Date/Time:				Received by:				Date/Time:					

Laboratory Certification

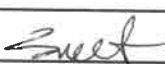
Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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>	
~~DATE~~		Title: <u>Sample Custodian</u>	
Field Sample Seal No.: <u>Q1772</u>		Date Broken: <u>4/9/2025</u> Military Time Seal Broken: <u>13:42:00</u>	
Case No.: <u>4701 White Plains Rd, Bror</u>		Analytical Parameter/Fraction: <u>WOCMS Group3</u>	

Sample No.	Aliquot/Extract No.	Sample No.	Aliquot/Extract No.
Q1772-01	SV1		
Q1772-02	IA1		

Date	Time	Relinquished By	Received By	Purpose of Change of Custody
4-10-25	9:15	Signature 	Signature 	
		Printed Name <u>Cassandra Peni</u>	Printed Name <u>Sample Custodian</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

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

LAB CHRONICLE

OrderID:	Q1772	OrderDate:	4/10/2025 8:57:00 AM
Client:	GFE LLC	Project:	4701 White Plains Rd, Bronx, NY
Contact:	Frank Galdun	Location:	F11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1772-01	SV1	Air	VOCMS Group3	TO-15	04/09/25		04/10/25	04/09/25
Q1772-02	IA1	Air	VOCMS Group3	TO-15	04/09/25		04/10/25	04/09/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1772

Client: GFE LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	SV1							
Q1772-01	SV1	Air	Tetrachloroethene	1.02		0.41	0.81	ug/m3
			Total Voc :	1.02				
			Total Concentration:	1.02				



QC SUMMARY

Surrogate Summary

SDG No.: Q1772

Client: GFE LLC

Analytical Method: SWTO-15

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1772-01	SV1	1-Bromo-4-Fluorobenzene	10	9.44	94	65	135
Q1772-02	IA1	1-Bromo-4-Fluorobenzene	10	9.21	92	65	135
Q1772-02DUP	IA1DUP	1-Bromo-4-Fluorobenzene	10	9.24	92	65	135
VL0410ABL01	VL0410ABL01	1-Bromo-4-Fluorobenzene	10	8.95	89	65	135
VL0410ABS01	VL0410ABS01	1-Bromo-4-Fluorobenzene	10	9.87	99	65	135

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1772
Client: GFE LLC
Analytical Method: SWTO-15 **Datafile :** VL042302.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VL0410ABS01	Vinyl Chloride	10	8.50	ppbv	85			70	130	
	1,1-Dichloroethene	10	8.40	ppbv	84			70	130	
	cis-1,2-Dichloroethene	10	9.00	ppbv	90			70	130	
	1,1,1-Trichloroethane	10	8.80	ppbv	88			70	130	
	Trichloroethene	10	10.3	ppbv	103			70	130	
	Tetrachloroethene	10	9.20	ppbv	92			70	130	

Duplicate Sample Summary

Lab Sample Id :	Q1772-02DUP	Q1772-02
Client Id :	IA1DUP	IA1
DF :	1	1
Datafile :	VL042304.D	VL042303.D
Anal Date & Time :	04/10/2025 12:30	04/10/2025 11:56

Parameter	Result	Result	RPD
1,1,1-Trichloroethane	0	0	0
1,1-Dichloroethene	0	0	0
cis-1,2-Dichloroethene	0	0	0
Tetrachloroethene	0	0	0
Trichloroethene	0	0	0
Vinyl Chloride	0	0	0

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

IA1DUP

Lab Name: CHEMTECH

Contract: GFEL01

Lab Code: CHEM Case No.: Q1772

SAS No.: Q1772 SDG NO.: Q1772

Lab File ID: VL042304.D

Lab Sample ID: Q1772-02DUP

Date Analyzed: 04/10/2025

Time Analyzed: 12:30

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
IA1DUP	Q1772-02DUP	VL042304.D	04/10/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VL0410ABL01

Lab Name: CHEMTECH

Contract: GFEL01

Lab Code: CHEM Case No.: Q1772

SAS No.: Q1772 SDG NO.: Q1772

Lab File ID: VL042301.D

Lab Sample ID: VL0410ABL01

Date Analyzed: 04/10/2025

Time Analyzed: 10:11

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
VL0410ABS01	VL0410ABS01	VL042302.D	04/10/2025
IA1	Q1772-02	VL042303.D	04/10/2025
SV1	Q1772-01	VL042305.D	04/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01
Lab Code: CHEM Case No.: Q1772 SAS No.: Q1772 SDG NO.: Q1772
Lab File ID: VL042171.D BFB Injection Date: 03/27/2025
Instrument ID: MSVOA_L BFB Injection Time: 07:44
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	23
75	30.0 - 66.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	63.8
175	4.0 - 9.0% of mass 174	5.1 (8) 1
176	93.0 - 101.0% of mass 174	61.1 (95.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC010	VSTDICCC010	VL042172.D	03/27/2025	08:26
VSTDICCC002	VSTDICCC002	VL042173.D	03/27/2025	08:59
VSTDICCC001	VSTDICCC001	VL042174.D	03/27/2025	09:30
VSTDICCC0.5	VSTDICCC0.5	VL042175.D	03/27/2025	10:01
VSTDICCC0.1	VSTDICCC0.1	VL042176.D	03/27/2025	10:32
VSTDICCC0.03	VSTDICCC0.03	VL042177.D	03/27/2025	11:03
VSTDICCC015	VSTDICCC015	VL042178.D	03/27/2025	11:36

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GFEL01
Lab Code: CHEM Case No.: Q1772 SAS No.: Q1772 SDG NO.: Q1772
Lab File ID: VL042299.D BFB Injection Date: 04/10/2025
Instrument ID: MSVOA_L BFB Injection Time: 08:46
GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	24.7
75	30.0 - 66.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (1.3) 1
174	50.0 - 120.0% of mass 95	62.9
175	4.0 - 9.0% of mass 174	4.8 (7.7) 1
176	93.0 - 101.0% of mass 174	60.3 (95.7) 1
177	5.0 - 9.0% of mass 176	3.6 (5.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VL042300.D	04/10/2025	09:27
VL0410ABL01	VL0410ABL01	VL042301.D	04/10/2025	10:11
VL0410ABS01	VL0410ABS01	VL042302.D	04/10/2025	11:05
IA1	Q1772-02	VL042303.D	04/10/2025	11:56
IA1DUP	Q1772-02DUP	VL042304.D	04/10/2025	12:30
SV1	Q1772-01	VL042305.D	04/10/2025	13:01

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01
 Lab Code: CHEM Case No.: Q1772 SAS No.: Q1772 SDG NO.: Q1772
 Lab File ID: VL042300.D Date Analyzed: 04/10/2025
 Instrument ID: MSVOA_L Time Analyzed: 09:27
 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	178247	2.78	448439	3.95	388079	8.88
UPPER LIMIT	249546	3.11	627815	4.28	543311	9.21
LOWER LIMIT	106948	2.45	269063	3.62	232847	8.55
EPA SAMPLE NO.						
SV1	177842	2.78	440171	3.95	367459	8.88
IA1	193225	2.78	482161	3.95	409076	8.88
IA1DUP	190869	2.79	468438	3.96	410794	8.88
VL0410ABL01	176739	2.78	440263	3.95	371291	8.87
VL0410ABS01	181992	2.78	454728	3.95	404669	8.87

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GFEL01
 Lab Code: CHEM Case No.: Q1772 SAS No.: Q1772 SDG NO.: Q1772
 Lab File ID: VL042300.D Date Analyzed: 04/10/2025
 Instrument ID: MSVOA_L Time Analyzed: 09:27
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
SV1	0	0.00				
IA1	0	0.00				
IA1DUP	0	0.00				
VL0410ABL01	0	0.00				
VL0410ABS01	0	0.00				

IS4 =

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:	GFE LLC	Date Collected:	04/09/25
Project:	4701 White Plains Rd, Bronx, NY	Date Received:	04/09/25
Client Sample ID:	SV1	SDG No.:	Q1772
Lab Sample ID:	Q1772-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042305.D	4		04/10/25 13:01	VL041025

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.060	0.15	U	0.15	0.31	ug/m3
75-35-4	1,1-Dichloroethene	0.56	2.22	U	2.22	7.93	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.36	1.43	U	1.43	7.93	ug/m3
71-55-6	1,1,1-Trichloroethane	0.040	0.22	U	0.22	0.65	ug/m3
79-01-6	Trichloroethene	0.070	0.38	U	0.38	0.64	ug/m3
127-18-4	Tetrachloroethene	0.15	1.02		0.41	0.81	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.40			65 - 135	94%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	178000			2.781		
540-36-3	1,4-Difluorobenzene	440000			3.953		
3114-55-4	Chlorobenzene-d5	367000			8.875		

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\VL041025\
 Data File : VL042305.D
 Acq On : 10 Apr 2025 13:01
 Operator : SY/MD
 Sample : Q1772-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:57:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	177842	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.953	114	440171	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	367459	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	284923	9.442	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	3211	0.122	ppbv	90
9) Propene	1.486	41	1583	0.129	ppbv	94
13) Ethanol	1.719	45	27883	23.990	ppbv	84
15) Acetone	1.833	43	91216	3.667	ppbv	96
19) Isopropyl Alcohol	1.884	45	3888	0.277	ppbv #	1
20) Methylene Chloride	2.059	84	1806	0.195	ppbv	95
29) Chloroform	2.842	83	15456	0.424	ppbv	89
34) 2-Butanone	2.554	43	9947	0.312	ppbv	93
52) Tetrachloroethene	8.215	164	658m	0.038	ppbv	
53) Toluene	6.924	91	7507m	0.145	ppbv	
59) m/p-Xylene	9.526	91	7304m	0.140	ppbv	
74) 1,2,4-Trimethylbenzene	11.533	105	15291	0.234	ppbv #	67

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

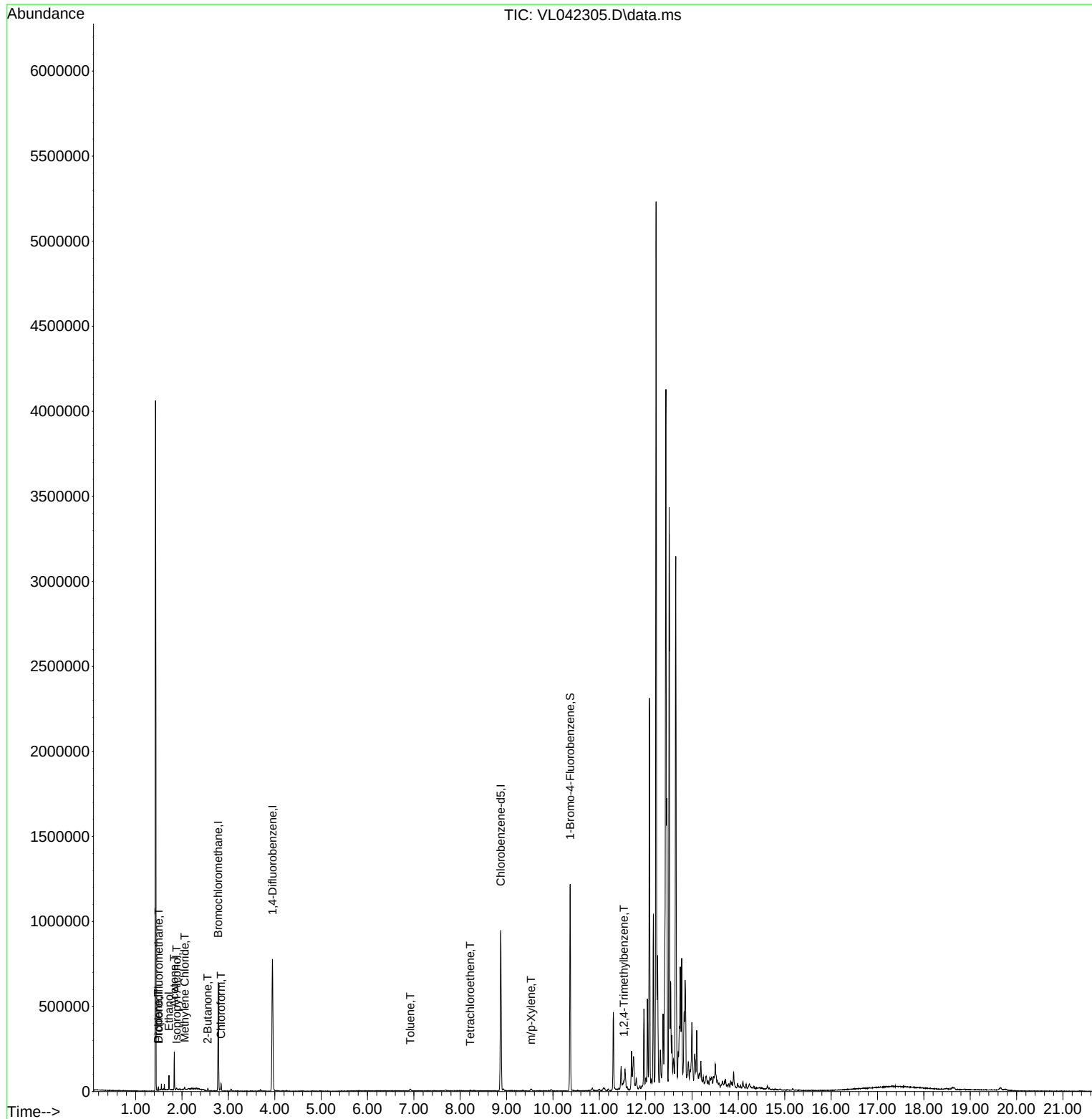
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042305.D
Acq On : 10 Apr 2025 13:01
Operator : SY/MD
Sample : Q1772-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

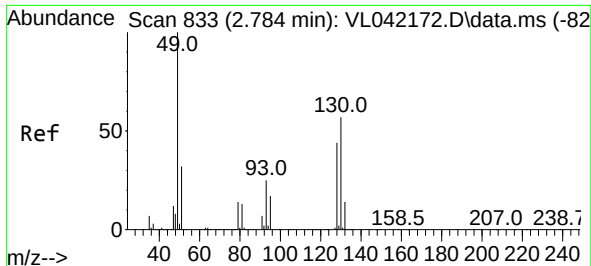
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Apr 11 01:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

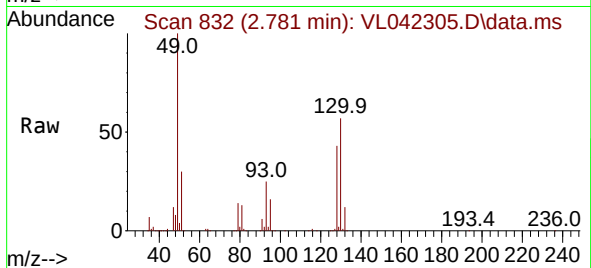
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

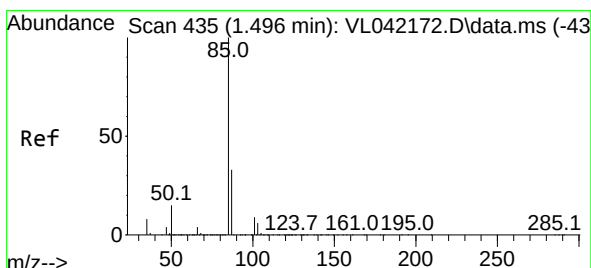
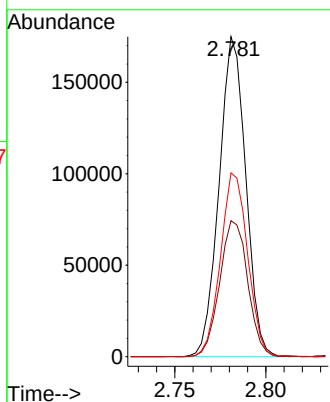
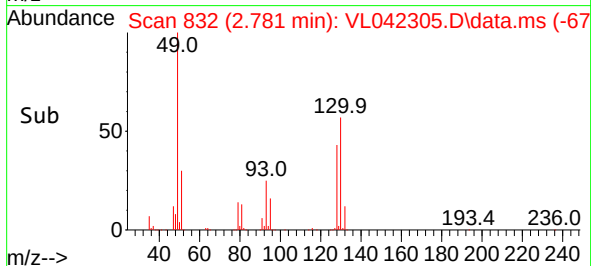
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 17784
Ion Ratio Lower Upper
49 100
128 44.8 22.9 68.5
130 58.6 28.8 86.4

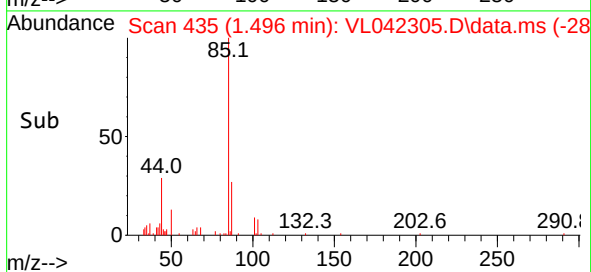
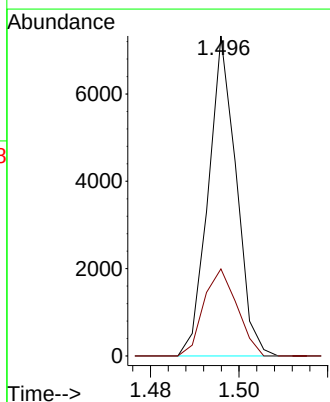
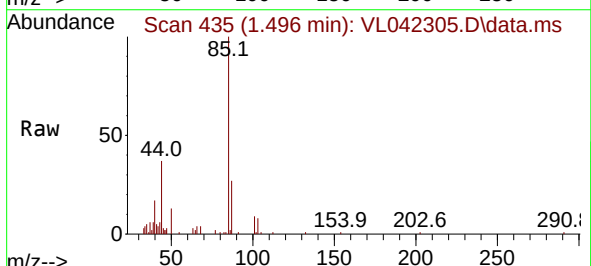
Manual Integrations
APPROVED

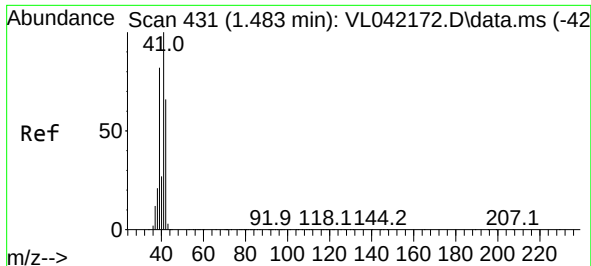
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#2
Dichlorodifluoromethane
Concen: 0.122 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

Tgt Ion: 85 Resp: 3211
Ion Ratio Lower Upper
85 100
87 27.2 26.1 39.1





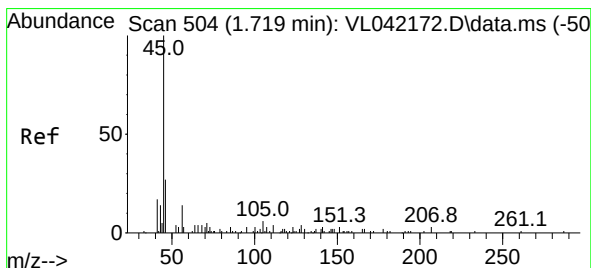
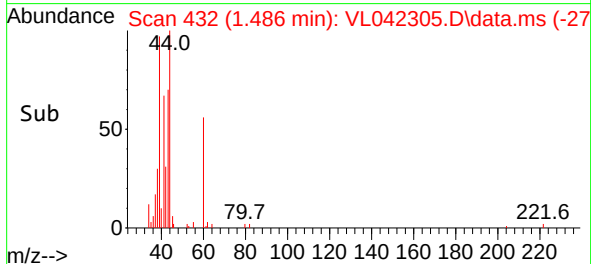
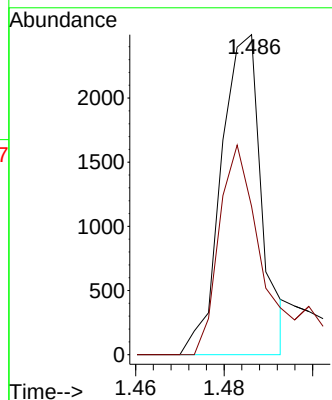
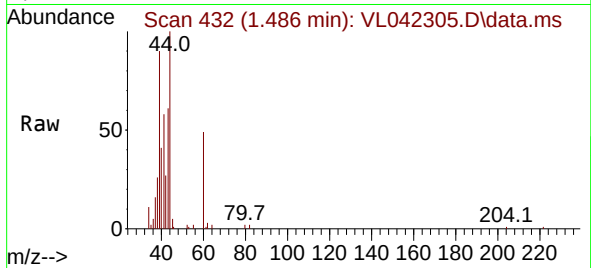
#9
Propene
Concen: 0.129 ppbv
RT: 1.486 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 158
Ion Ratio Lower Upper
41 100
42 74.4 55.4 83.2

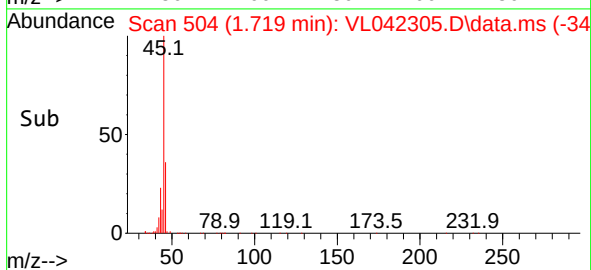
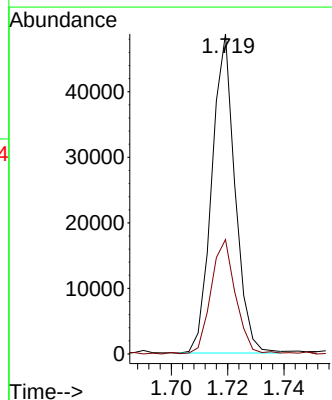
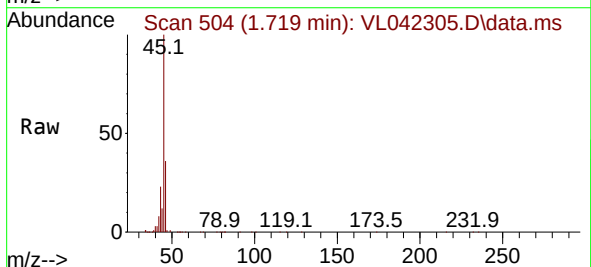
Manual Integrations
APPROVED

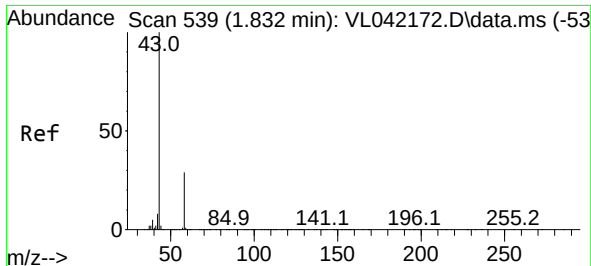
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#13
Ethanol
Concen: 23.990 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

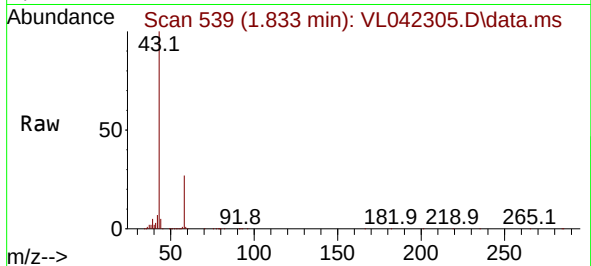
Tgt Ion: 45 Resp: 27883
Ion Ratio Lower Upper
45 100
46 39.5 20.2 80.8





#15
Acetone
Concen: 3.667 ppbv
RT: 1.833 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

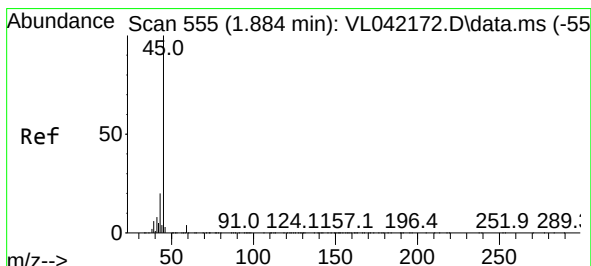
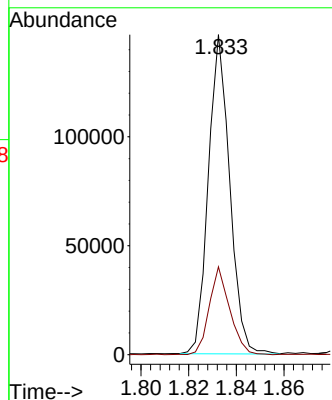
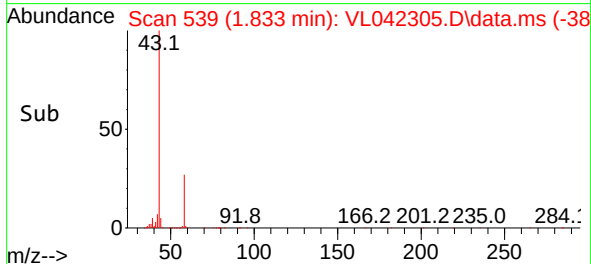
Instrument :
MSVOA_L
ClientSampleId :
SV1



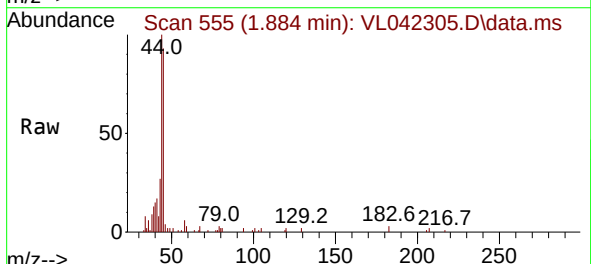
Tgt Ion: 43 Resp: 91210
Ion Ratio Lower Upper
43 100
58 26.7 23.2 34.8

Manual Integrations
APPROVED

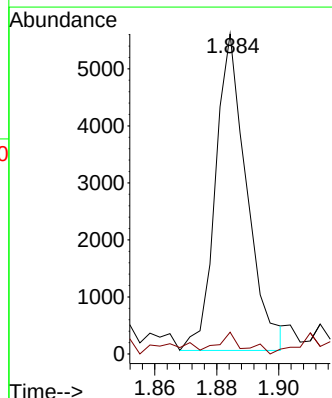
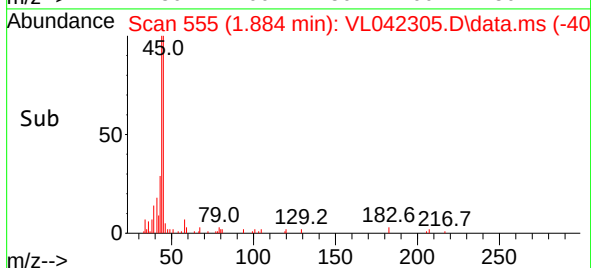
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

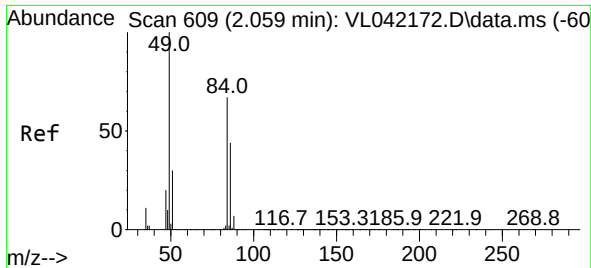


#19
Isopropyl Alcohol
Concen: 0.277 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01



Tgt Ion: 45 Resp: 3888
Ion Ratio Lower Upper
45 100
58 631.3 36.9 55.3#





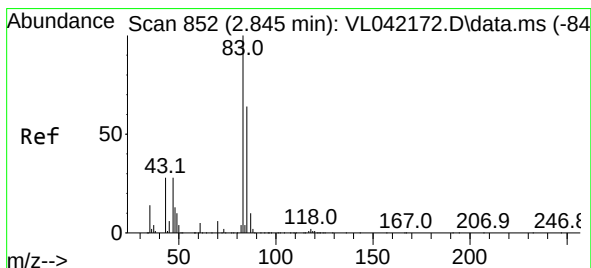
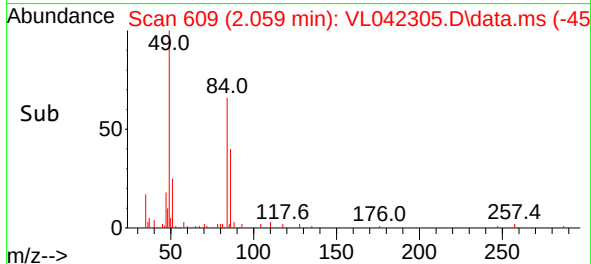
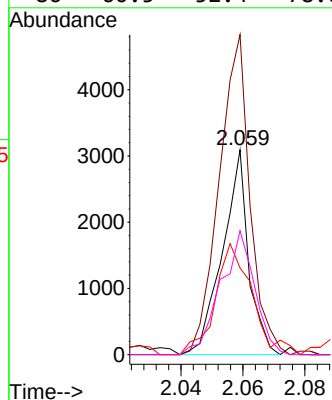
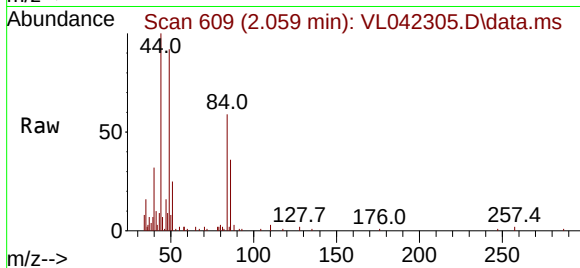
#20
Methylene Chloride
Concen: 0.195 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:	84	Resp:	1800
Ion	Ratio	Lower	Upper
84	100		
49	156.2	120.2	180.4
51	42.4	37.4	56.0
86	60.5	52.4	78.6

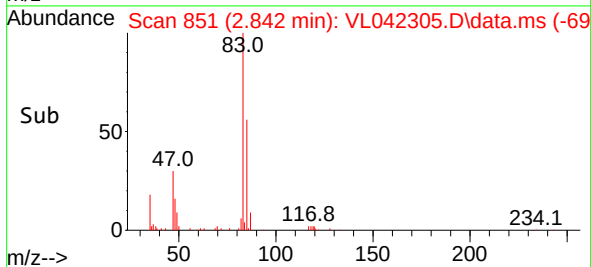
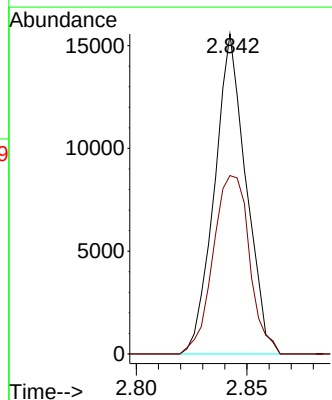
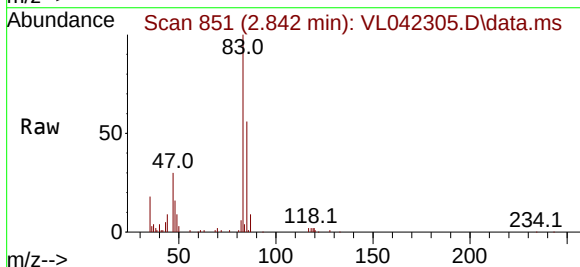
Manual Integrations
APPROVED

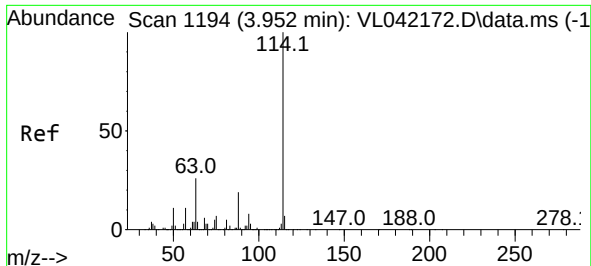
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#29
Chloroform
Concen: 0.424 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

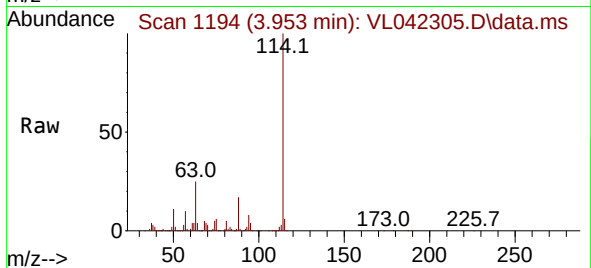
Tgt Ion:	83	Resp:	15456
Ion	Ratio	Lower	Upper
83	100		
85	55.8	51.4	77.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.953 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

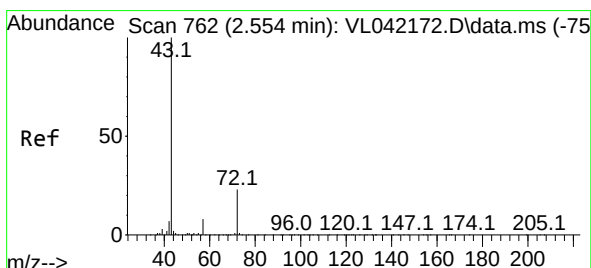
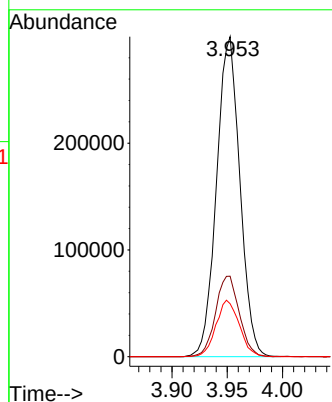
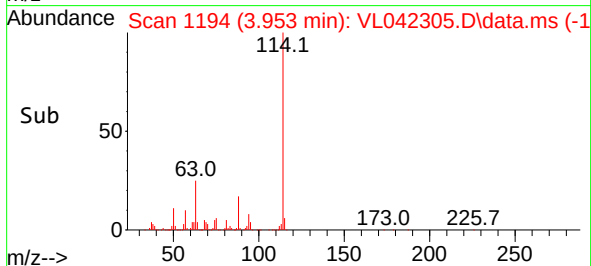
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:114 Resp: 44017
Ion Ratio Lower Upper
114 100
63 25.7 20.7 31.1
88 17.6 15.0 22.4

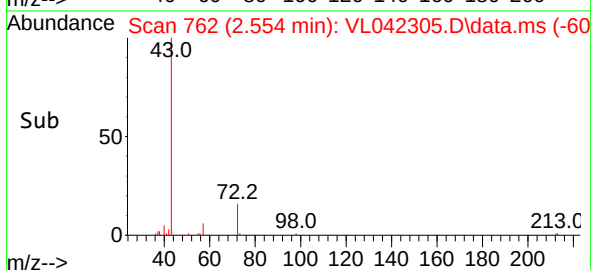
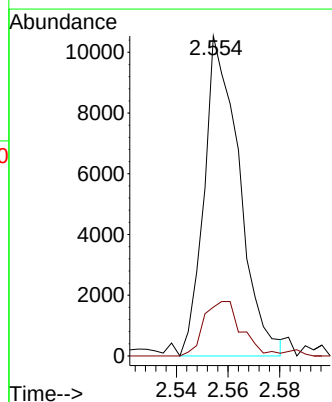
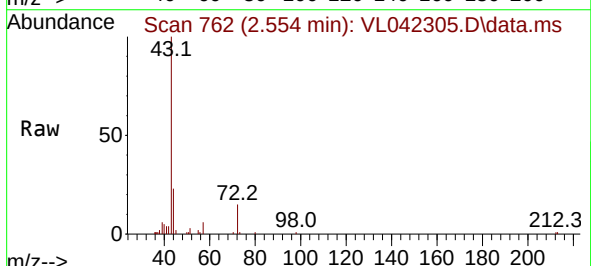
Manual Integrations
APPROVED

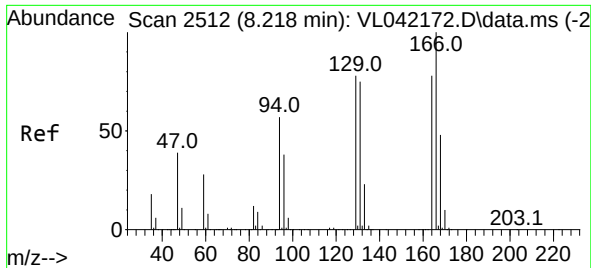
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#34
2-Butanone
Concen: 0.312 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

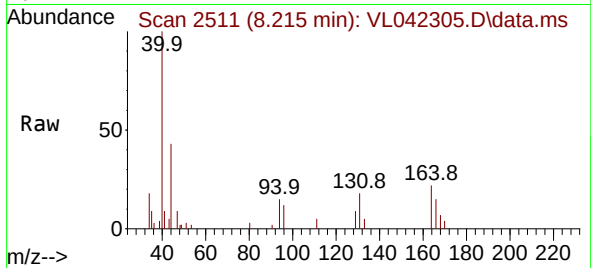
Tgt Ion: 43 Resp: 9947
Ion Ratio Lower Upper
43 100
72 19.1 18.2 27.2





#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 8.215 min Scan# 2112
Delta R.T. -0.003 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

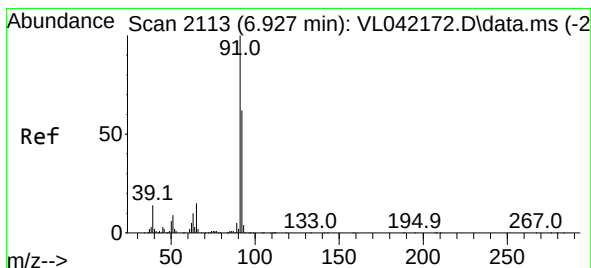
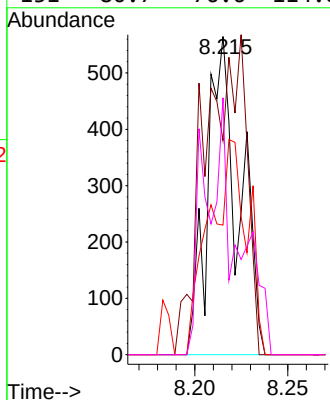
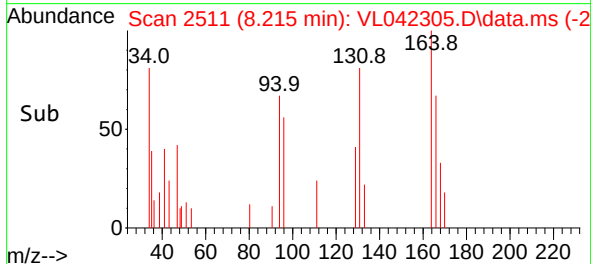
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:164 Resp: 658
Ion Ratio Lower Upper
164 100
166 67.3 102.5 153.7
129 40.7 79.8 119.8
131 80.7 76.6 114.8

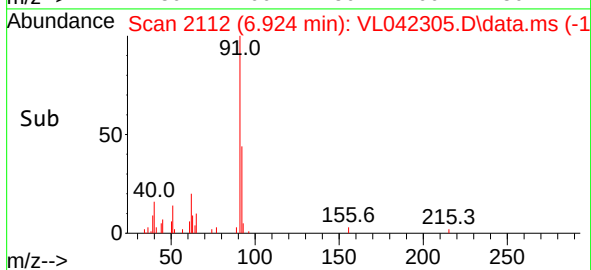
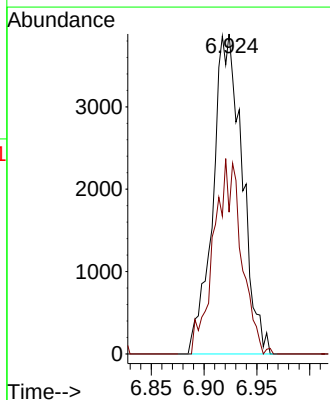
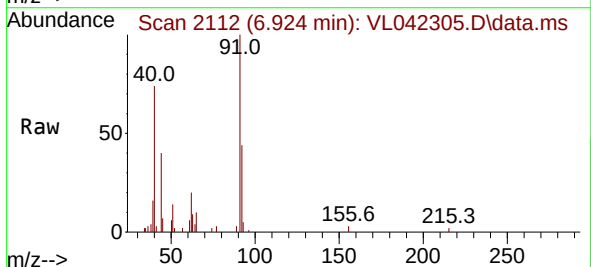
Manual Integrations
APPROVED

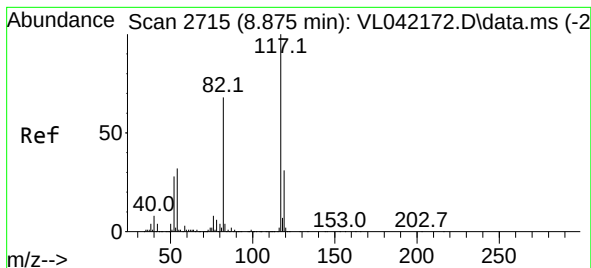
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#53
Toluene
Concen: 0.145 ppbv m
RT: 6.924 min Scan# 2112
Delta R.T. -0.003 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

Tgt Ion: 91 Resp: 7507
Ion Ratio Lower Upper
91 100
92 57.7 48.4 72.6





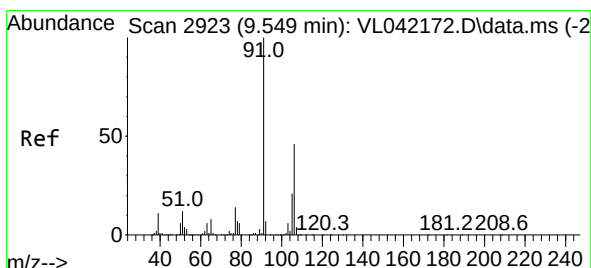
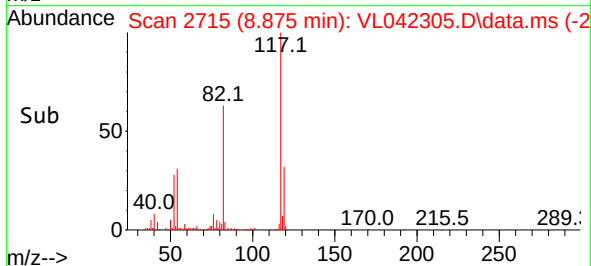
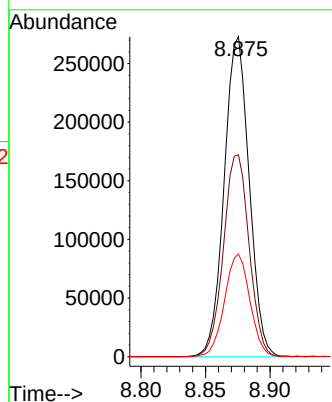
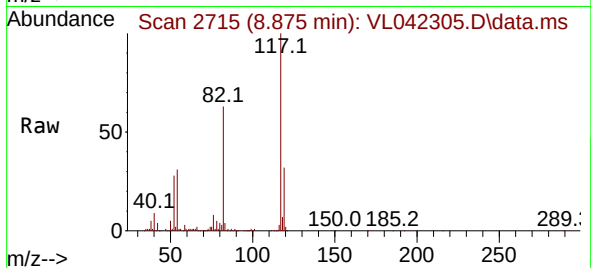
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:117 Resp: 367459
Ion Ratio Lower Upper
117 100
82 64.9 55.8 83.6
119 32.6 25.5 38.3

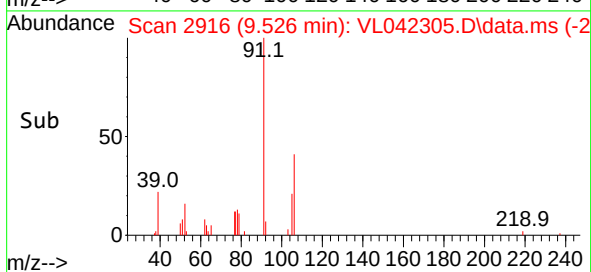
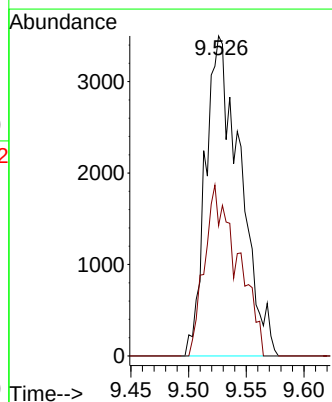
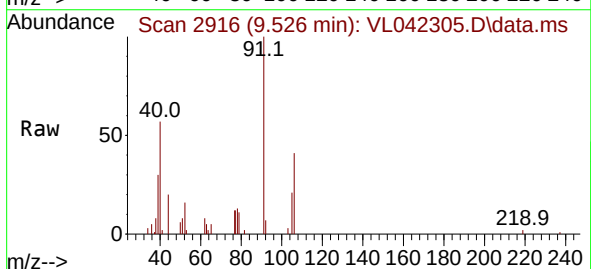
Manual Integrations
APPROVED

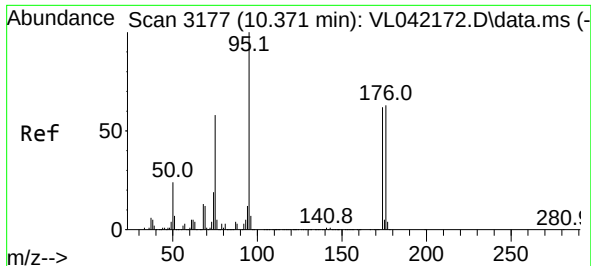
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#59
m/p-Xylene
Concen: 0.140 ppbv m
RT: 9.526 min Scan# 2916
Delta R.T. -0.023 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

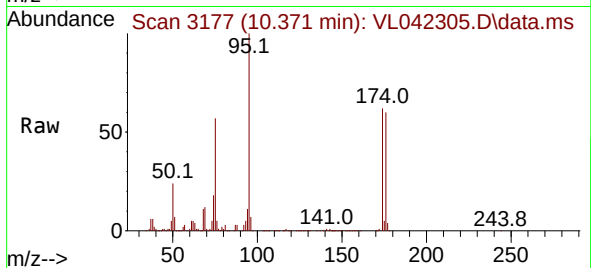
Tgt Ion: 91 Resp: 7304
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.442 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.000 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

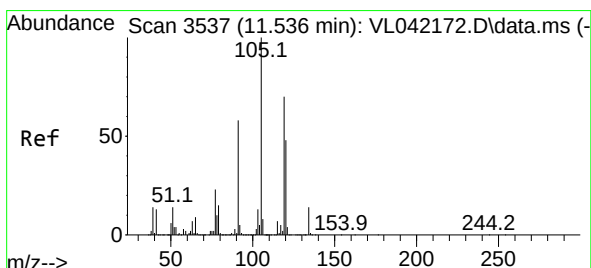
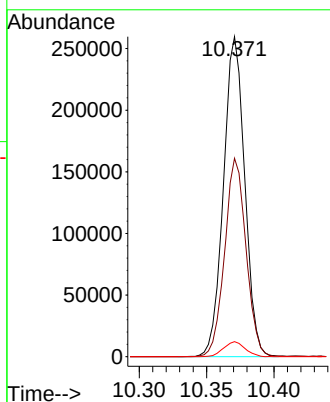
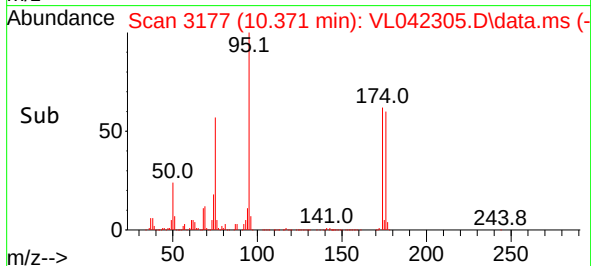
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 95 Resp: 28492
Ion Ratio Lower Upper
95 100
174 62.5 50.6 76.0
175 4.8 3.8 5.6

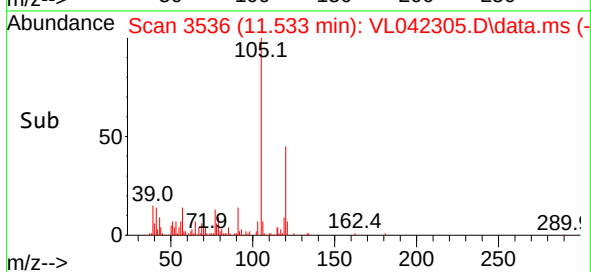
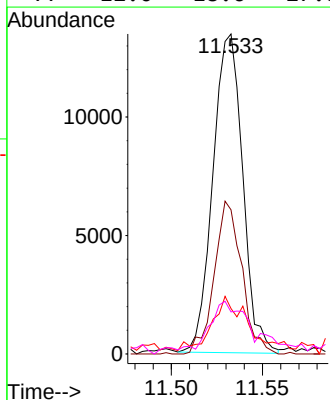
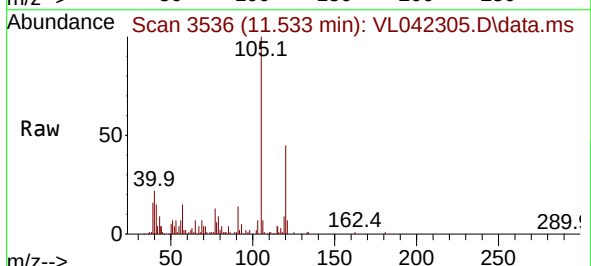
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.234 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042305.D
Acq: 10 Apr 2025 13:01

Tgt Ion:105 Resp: 15291
Ion Ratio Lower Upper
105 100
120 45.3 38.6 58.0
91 13.2 46.2 69.2#
77 12.0 18.6 27.8#



Report of Analysis

Client:	GFE LLC	Date Collected:	04/09/25
Project:	4701 White Plains Rd, Bronx, NY	Date Received:	04/09/25
Client Sample ID:	IA1	SDG No.:	Q1772
Lab Sample ID:	Q1772-02	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042303.D	1		04/10/25 11:56	VL041025

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.20			65 - 135	92%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	193000		2.784			
540-36-3	1,4-Difluorobenzene	482000		3.952			
3114-55-4	Chlorobenzene-d5	409000		8.875			

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\VL041025\
 Data File : VL042303.D
 Acq On : 10 Apr 2025 11:56
 Operator : SY/MD
 Sample : Q1772-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/11/2025
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:56:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	193225	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	482161	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	409076	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	309434	9.211	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.100%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	10639	0.373	ppbv	99
3) Chlorodifluoromethane	1.473	51	12737m	0.437	ppbv	
4) Chloromethane	1.531	50	9157	0.785	ppbv	97
9) Propene	1.486	41	173135	12.960	ppbv #	62
11) Trichlorofluoromethane	1.877	101	7035	0.253	ppbv	100
13) Ethanol	1.732	45	3500698	2772.094	ppbv	81
15) Acetone	1.835	43	200683	7.426	ppbv	98
19) Isopropyl Alcohol	1.887	45	74380	4.878	ppbv #	47
20) Methylene Chloride	2.059	84	5015	0.498	ppbv #	90
25) Ethyl Acetate	2.836	43	96942	1.382	ppbv #	93
29) Chloroform	2.845	83	18198	0.459	ppbv	96
34) 2-Butanone	2.560	43	27194	0.778	ppbv	100
35) Carbon Tetrachloride	3.761	117	3102m	0.082	ppbv	
36) Benzene	3.648	78	14521	0.304	ppbv #	89
53) Toluene	6.923	91	14342	0.253	ppbv	99
59) m/p-Xylene	9.529	91	6113m	0.105	ppbv	
76) 1,4-Dichlorobenzene	11.672	146	7765	0.195	ppbv	90

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

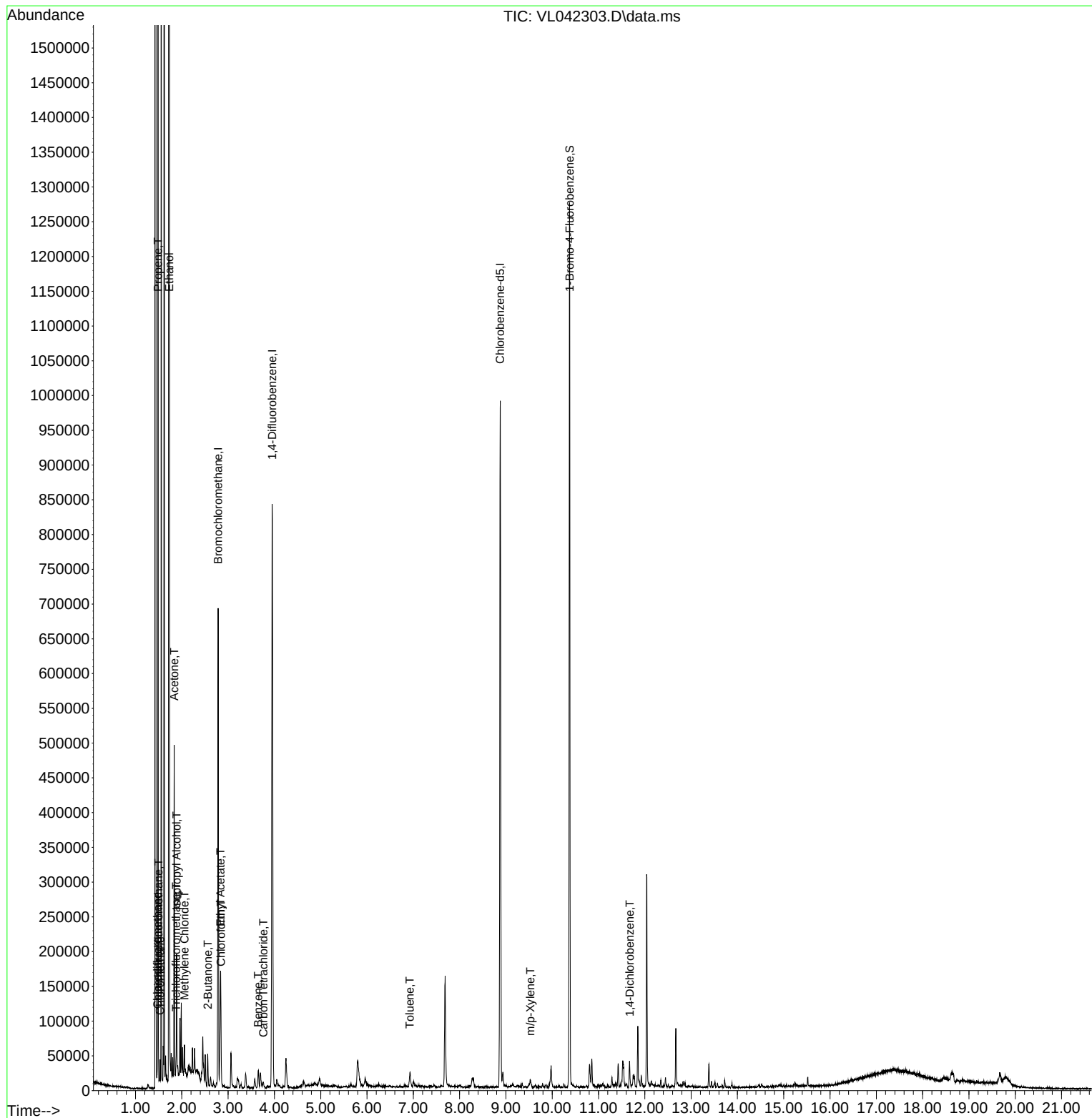
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042303.D
Acq On : 10 Apr 2025 11:56
Operator : SY/MD
Sample : Q1772-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

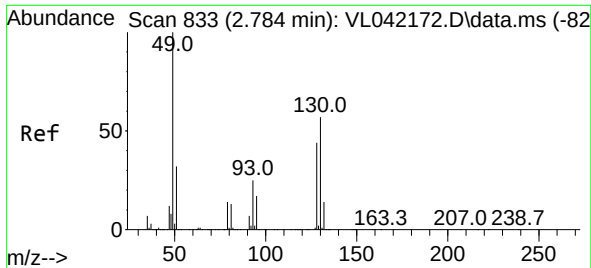
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Apr 11 01:56:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025





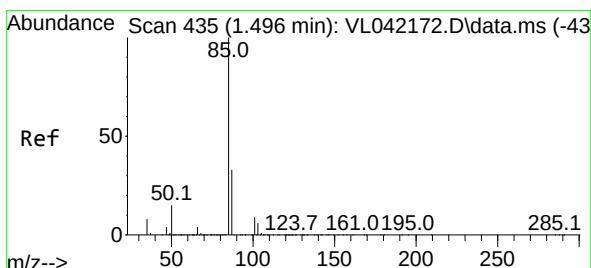
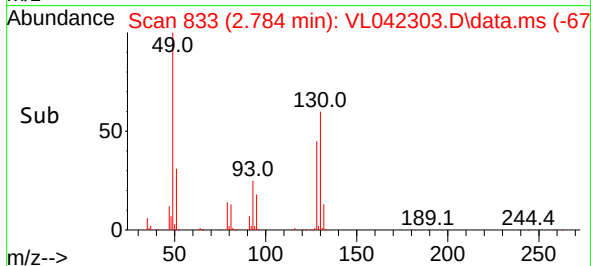
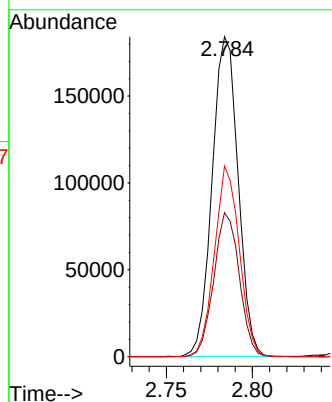
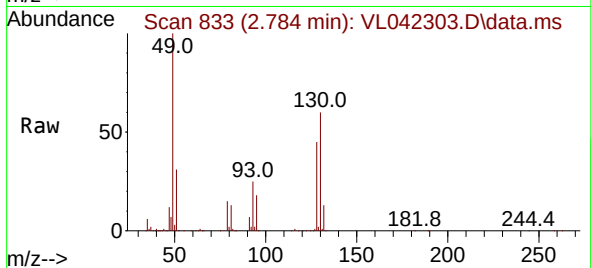
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 193225
Ion Ratio Lower Upper
49 100
128 44.1 22.9 68.5
130 57.1 28.8 86.4

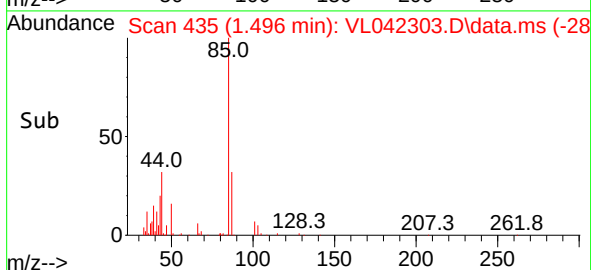
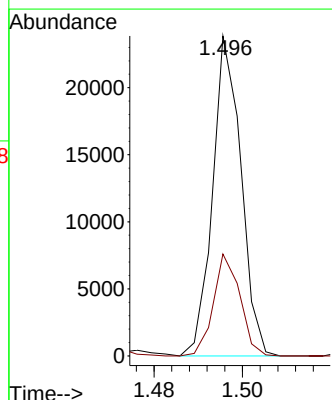
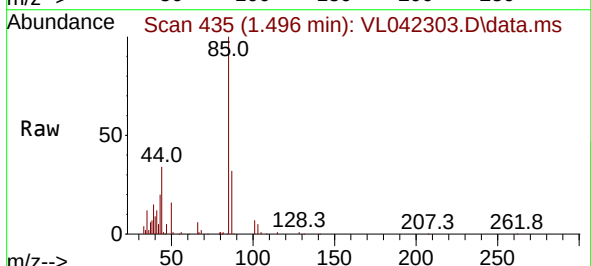
Manual Integrations
APPROVED

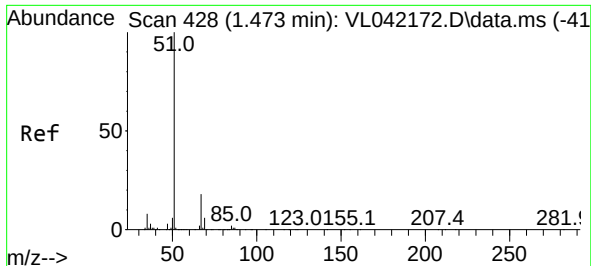
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#2
Dichlorodifluoromethane
Concen: 0.373 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

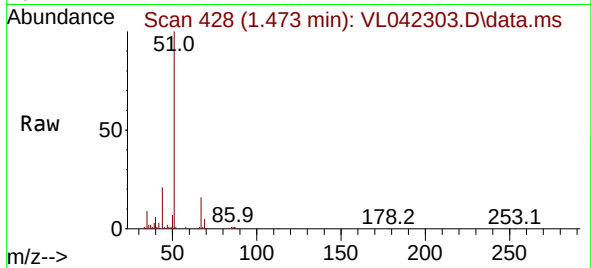
Tgt Ion: 85 Resp: 10639
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1





#3
Chlorodifluoromethane
Concen: 0.437 ppbv m
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

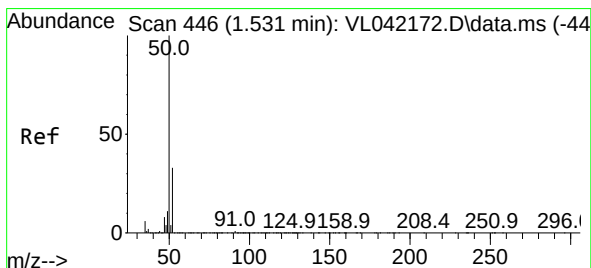
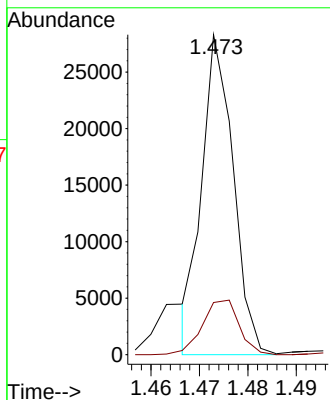
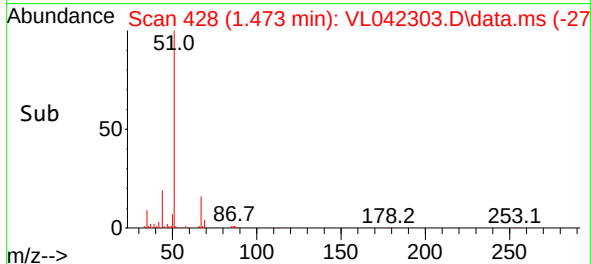
Instrument :
MSVOA_L
ClientSampleId :
IA1



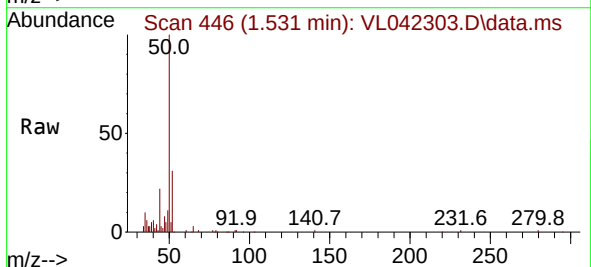
Tgt Ion: 51 Resp: 1273
Ion Ratio Lower Upper
51 100
67 20.7 15.0 22.6

Manual Integrations
APPROVED

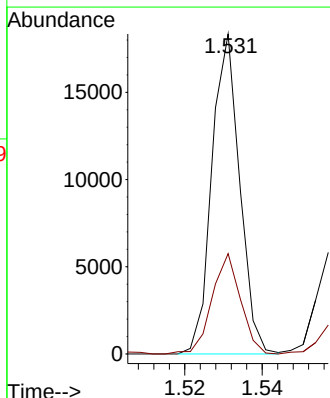
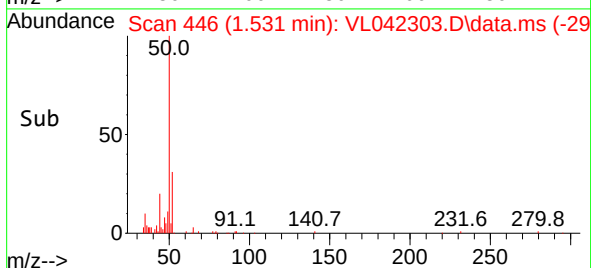
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

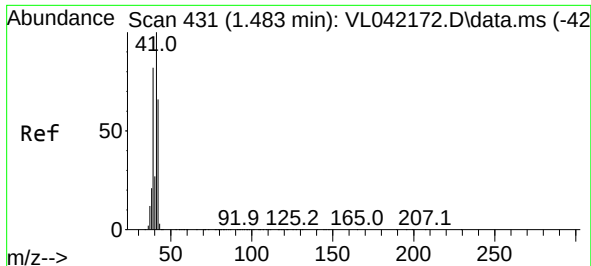


#4
Chloromethane
Concen: 0.785 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56



Tgt Ion: 50 Resp: 9157
Ion Ratio Lower Upper
50 100
52 31.0 26.1 39.1





#9

Propene

Concen: 12.960 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042303.D

Acq: 10 Apr 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 17313

Ion Ratio Lower Upper

41 100

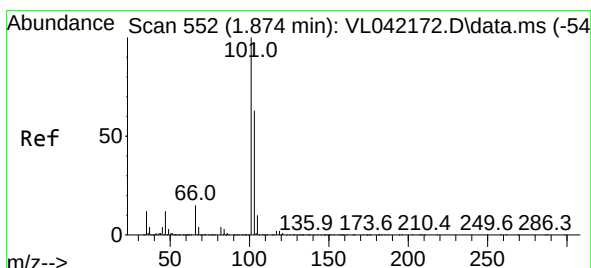
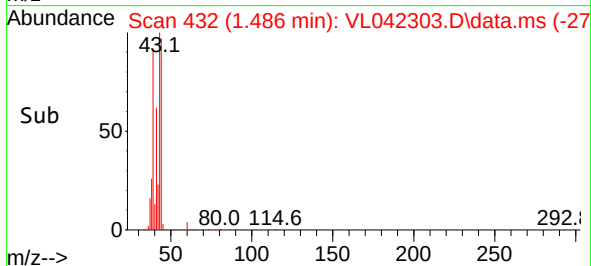
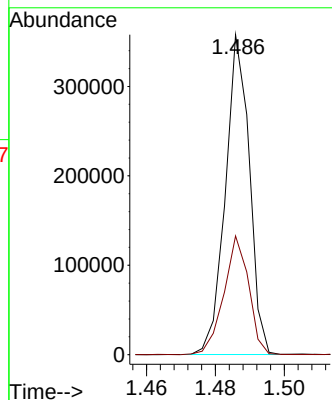
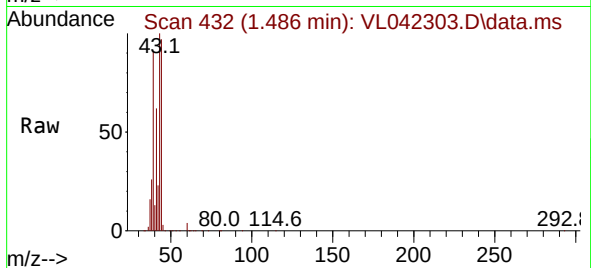
42 38.7 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#11

Trichlorofluoromethane

Concen: 0.253 ppbv

RT: 1.877 min Scan# 553

Delta R.T. 0.003 min

Lab File: VL042303.D

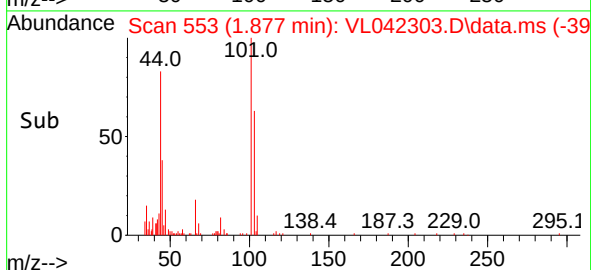
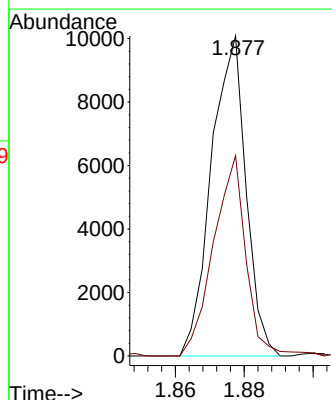
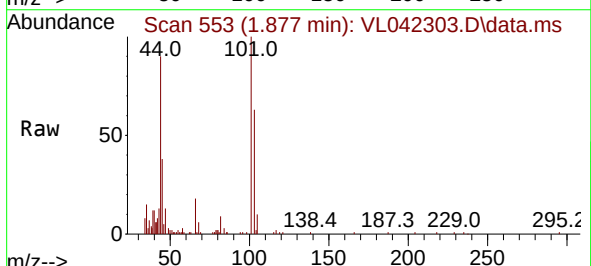
Acq: 10 Apr 2025 11:56

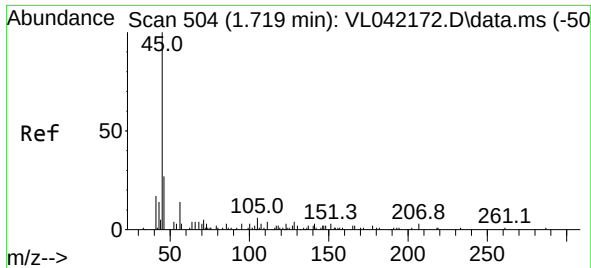
Tgt Ion:101 Resp: 7035

Ion Ratio Lower Upper

101 100

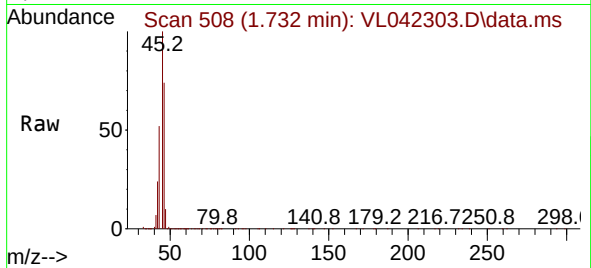
103 62.6 50.2 75.2





#13
Ethanol
Concen: 2772.094 ppbv
RT: 1.732 min Scan# 50
Delta R.T. 0.013 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

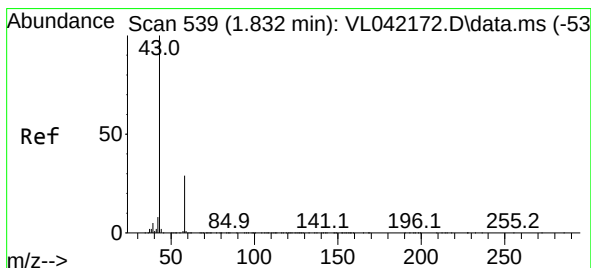
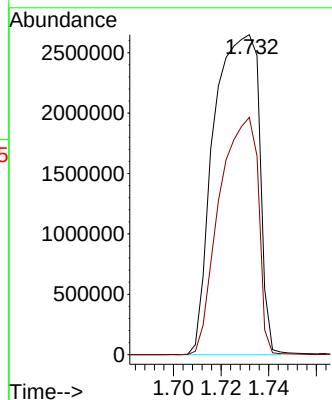
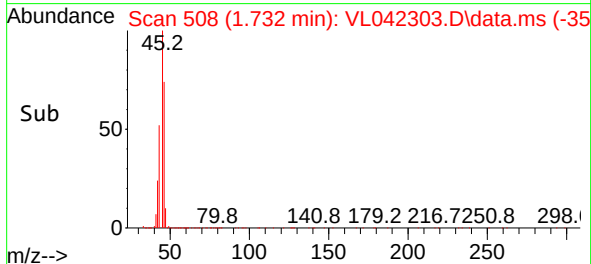
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 3500698
Ion Ratio Lower Upper
45 100
46 63.6 20.2 80.8

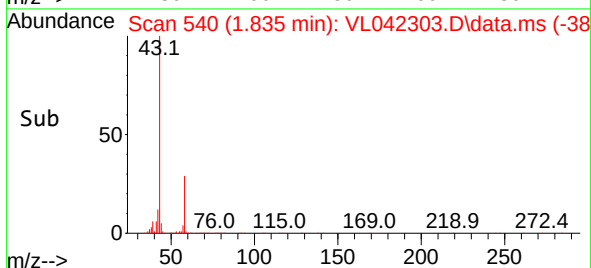
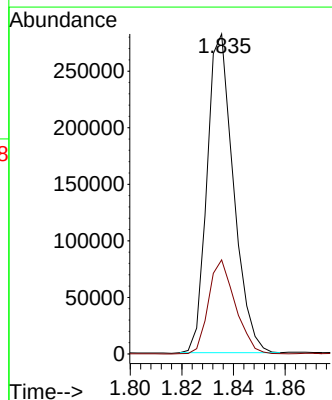
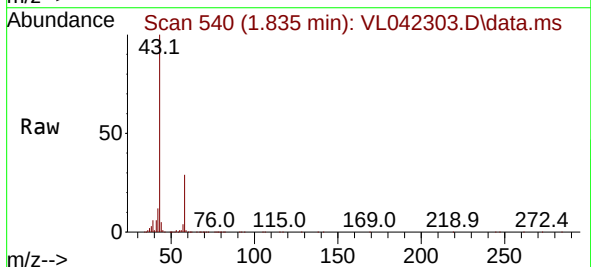
Manual Integrations
APPROVED

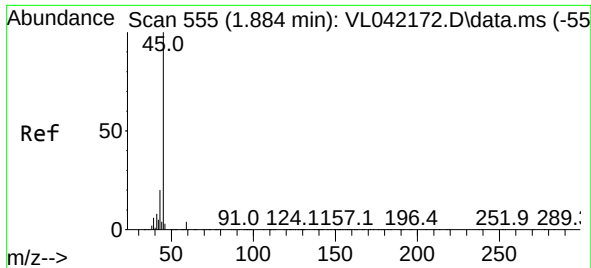
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#15
Acetone
Concen: 7.426 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Tgt Ion: 43 Resp: 200683
Ion Ratio Lower Upper
43 100
58 30.1 23.2 34.8





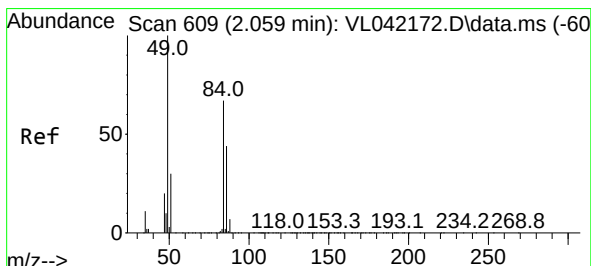
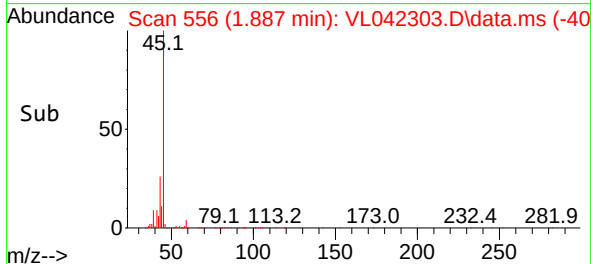
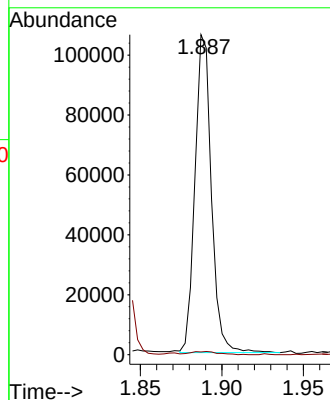
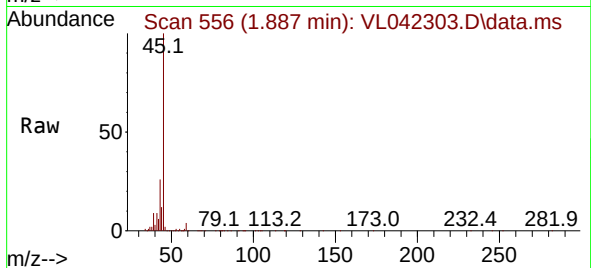
#19
Isopropyl Alcohol
Concen: 4.878 ppbv
RT: 1.887 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 74380
Ion Ratio Lower Upper
45 100
58 81.1 36.9 55.3

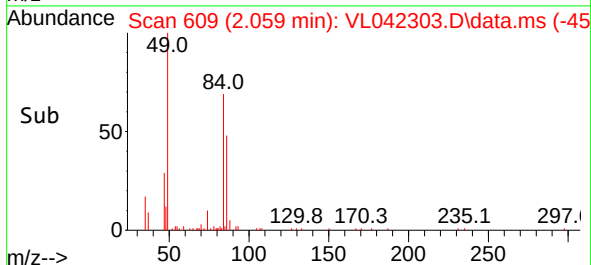
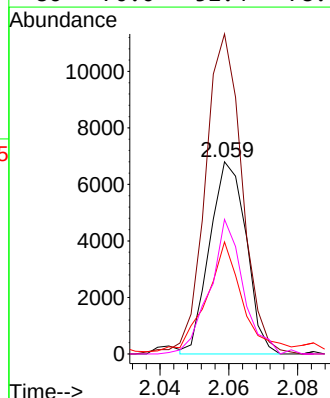
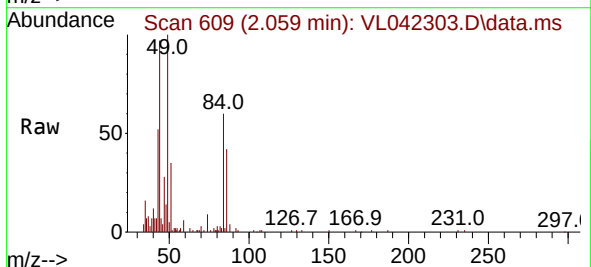
Manual Integrations
APPROVED

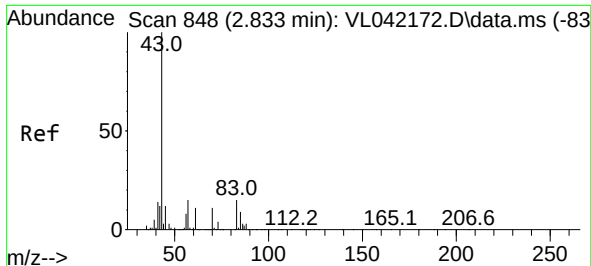
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#20
Methylene Chloride
Concen: 0.498 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Tgt Ion: 84 Resp: 5015
Ion Ratio Lower Upper
84 100
49 164.4 120.2 180.4
51 56.6 37.4 56.0
86 70.0 52.4 78.6





#25

Ethyl Acetate

Concen: 1.382 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042303.D

Acq: 10 Apr 2025 11:56

Instrument :

MSVOA_L

ClientSampleId :

IA1

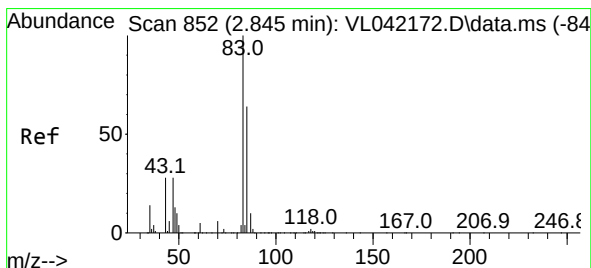
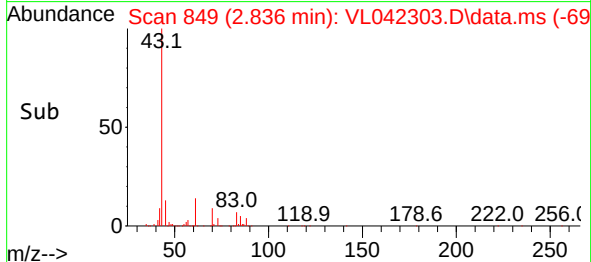
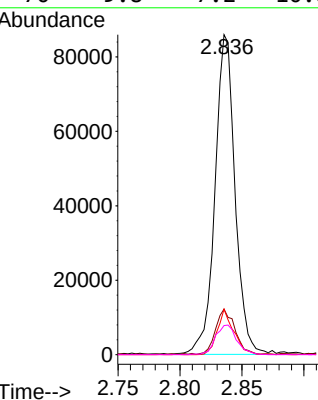
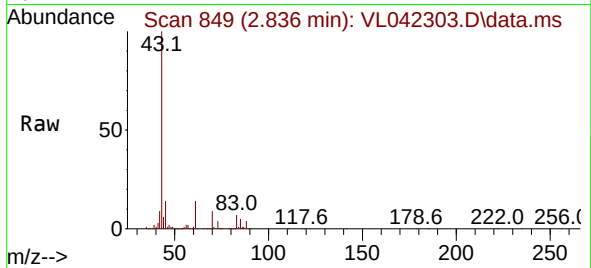
Tgt Ion: 43	Resp: 9694
Ion Ratio	Lower Upper
43 100	
45 14.4	8.2 12.2
61 11.8	7.3 10.9
70 9.8	7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#29

Chloroform

Concen: 0.459 ppbv

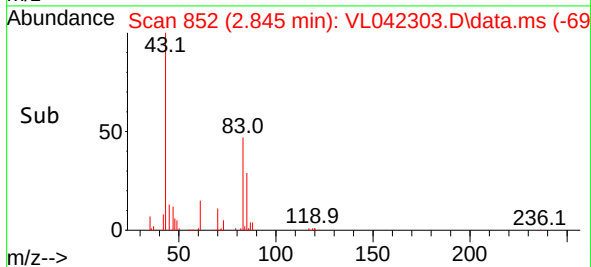
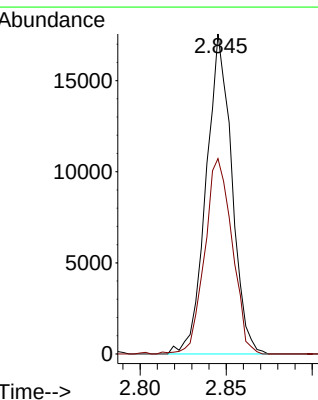
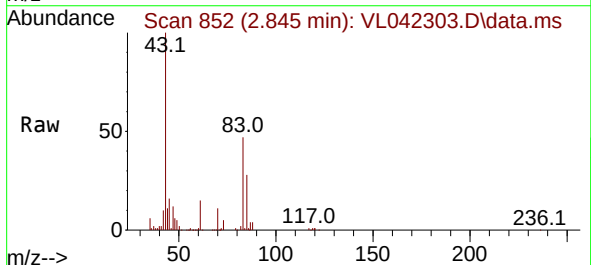
RT: 2.845 min Scan# 852

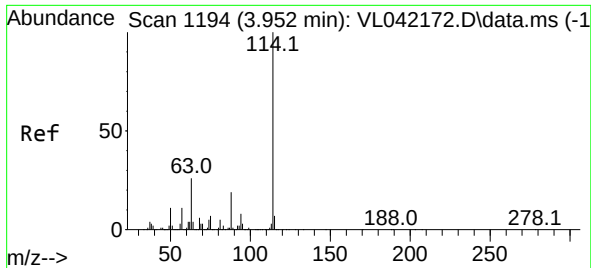
Delta R.T. -0.000 min

Lab File: VL042303.D

Acq: 10 Apr 2025 11:56

Tgt Ion: 83	Resp: 18198
Ion Ratio	Lower Upper
83 100	
85 61.1	51.4 77.2





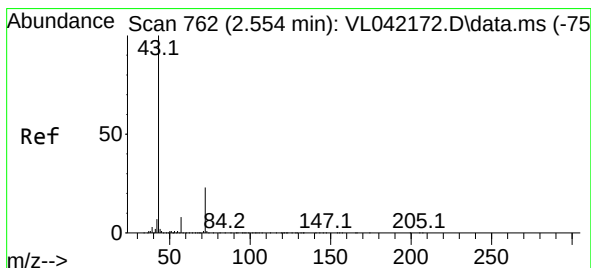
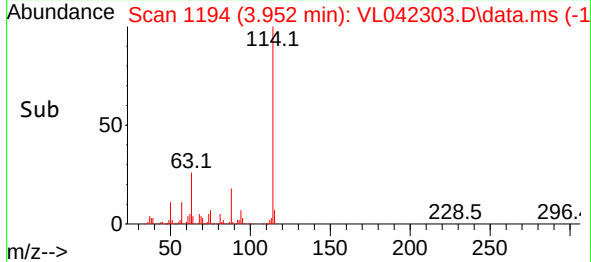
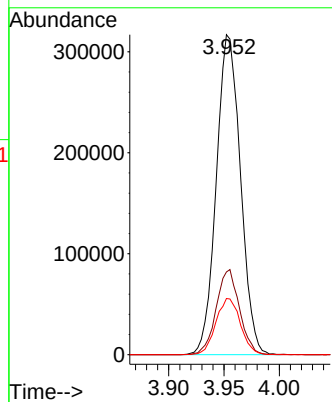
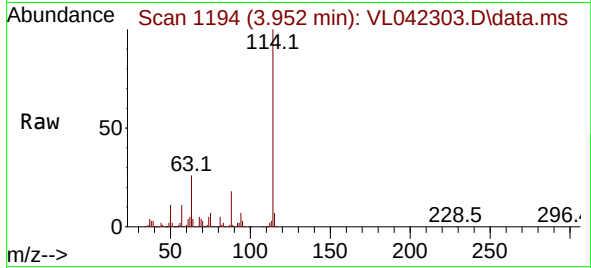
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:114 Resp: 48216
Ion Ratio Lower Upper
114 100
63 25.7 20.7 31.1
88 17.8 15.0 22.4

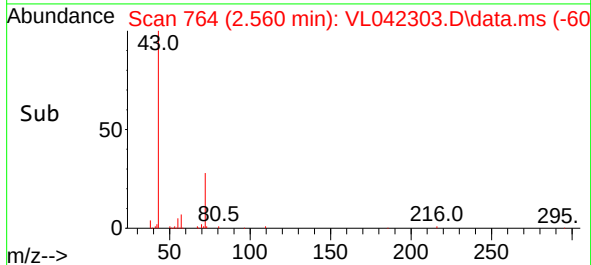
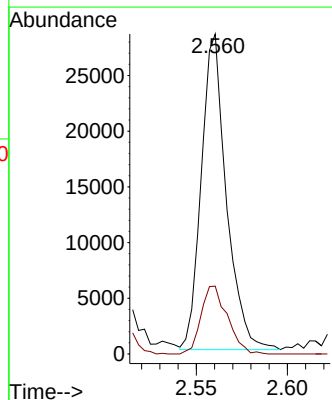
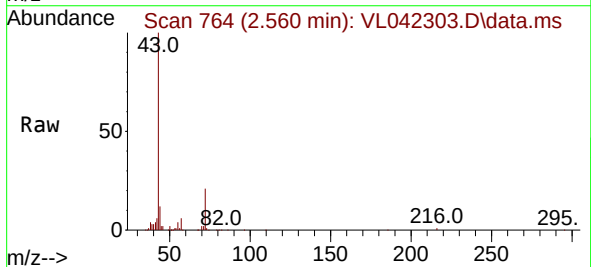
Manual Integrations
APPROVED

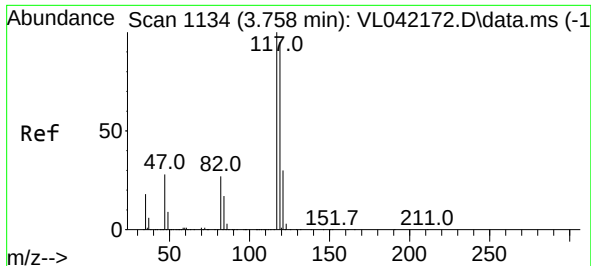
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#34
2-Butanone
Concen: 0.778 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.006 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

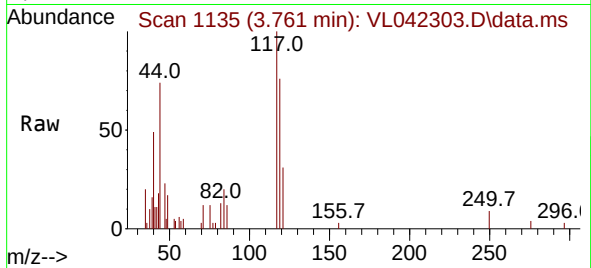
Tgt Ion: 43 Resp: 27194
Ion Ratio Lower Upper
43 100
72 22.6 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

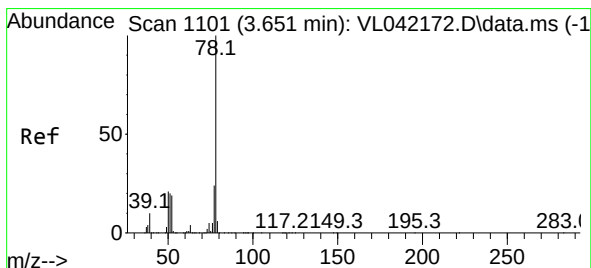
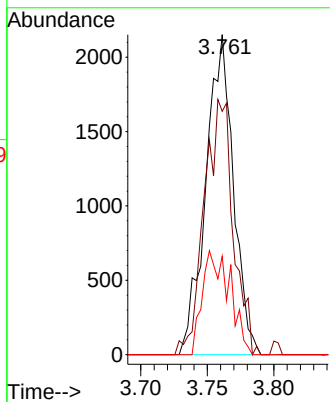
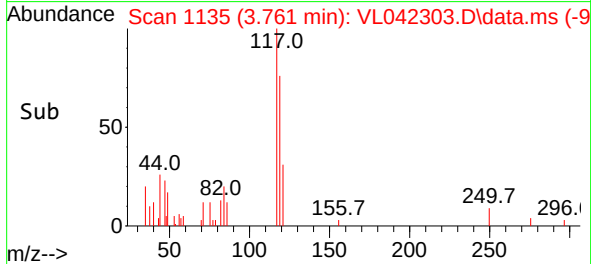
Instrument :
MSVOA_L
ClientSampleId :
IA1



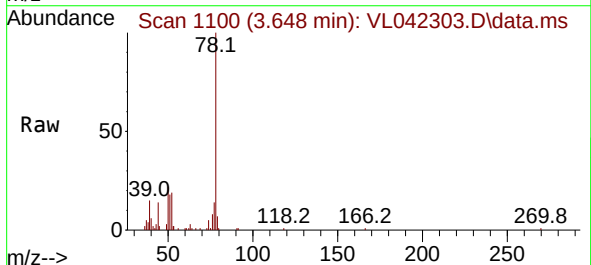
Tgt Ion: 117 Resp: 3102
Ion Ratio Lower Upper
117 100
119 76.0 76.2 114.2
121 30.7 24.2 36.4

Manual Integrations
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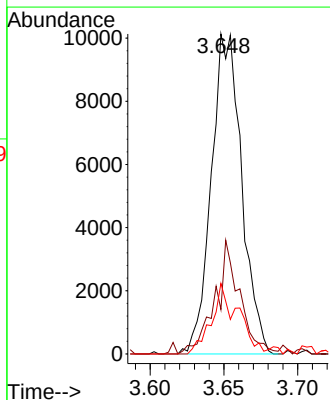
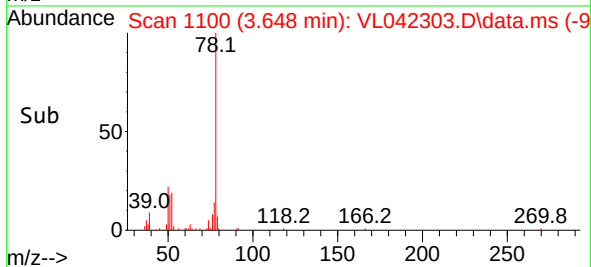
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

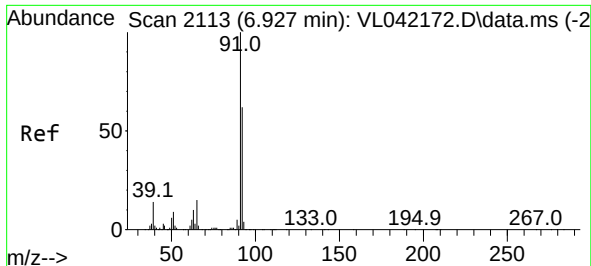


#36
Benzene
Concen: 0.304 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56



Tgt Ion: 78 Resp: 14521
Ion Ratio Lower Upper
78 100
77 13.9 19.1 28.7#
50 21.1 16.6 24.8





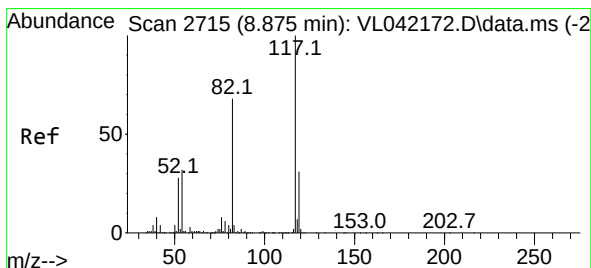
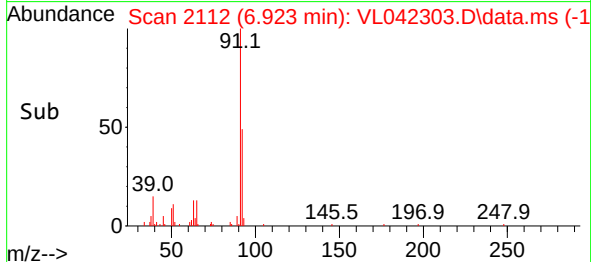
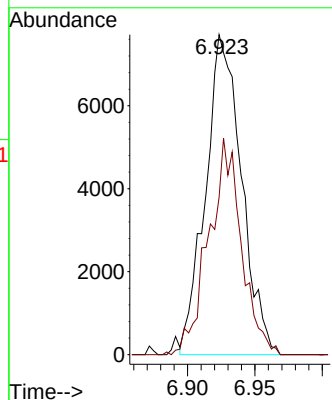
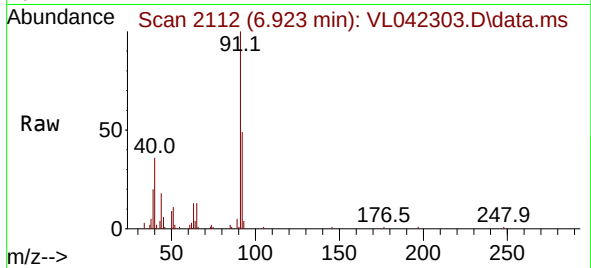
#53
Toluene
Concen: 0.253 ppbv
RT: 6.923 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 1434
Ion Ratio Lower Upper
91 100
92 61.2 48.4 72.6

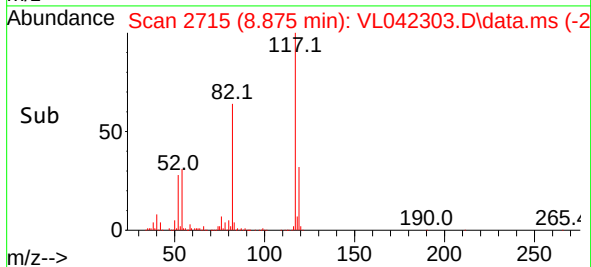
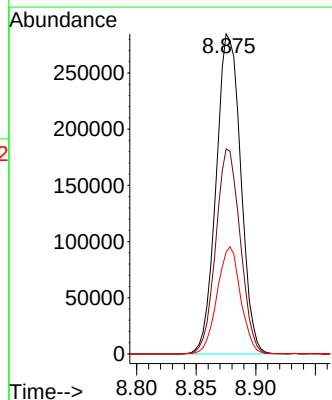
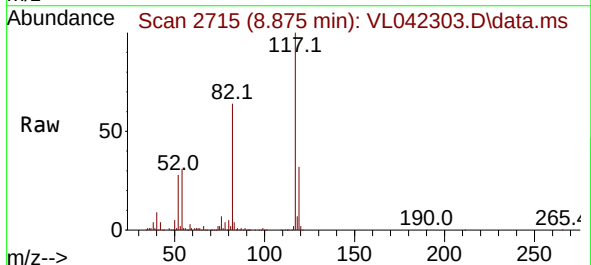
Manual Integrations
APPROVED

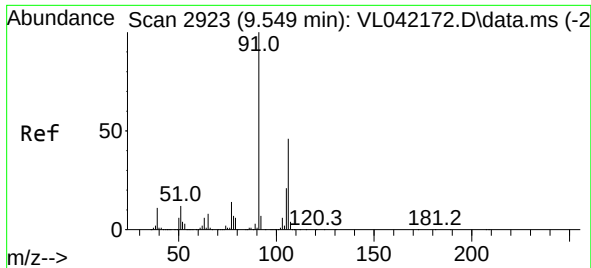
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.000 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Tgt Ion:117 Resp: 409076
Ion Ratio Lower Upper
117 100
82 63.6 55.8 83.6
119 32.2 25.5 38.3





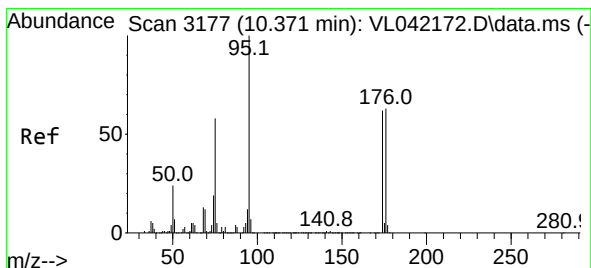
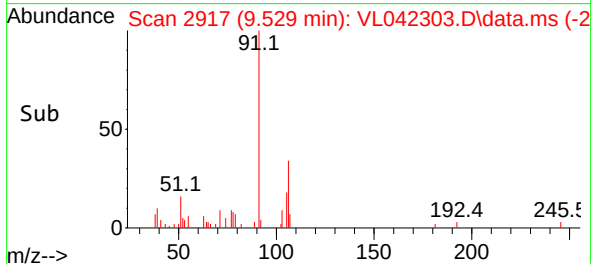
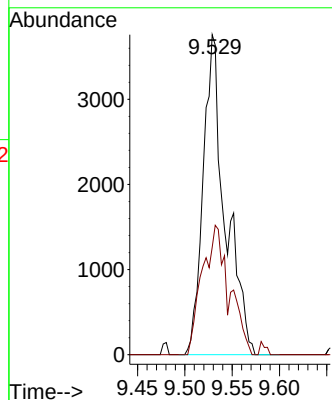
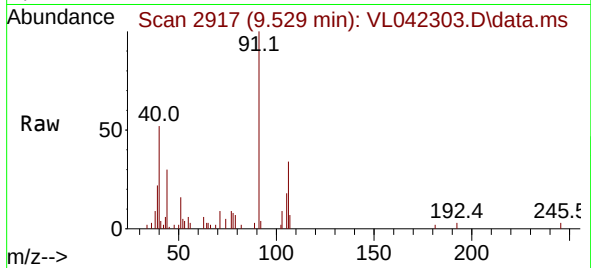
#59
m/p-Xylene
Concen: 0.105 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.020 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 611
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6

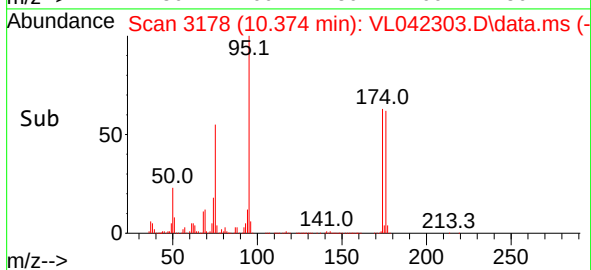
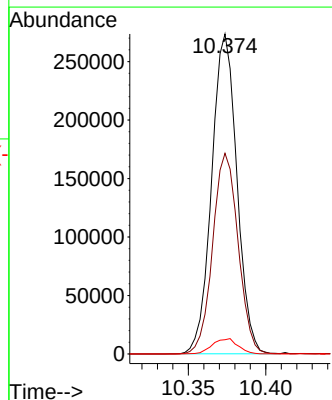
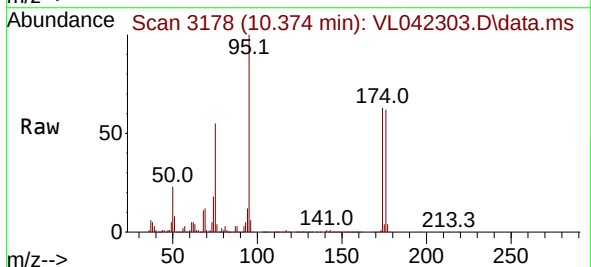
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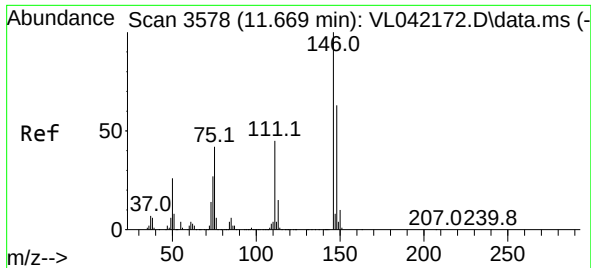
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.211 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042303.D
Acq: 10 Apr 2025 11:56

Tgt Ion: 95 Resp: 309434
Ion Ratio Lower Upper
95 100
174 63.6 50.6 76.0
175 4.9 3.8 5.6





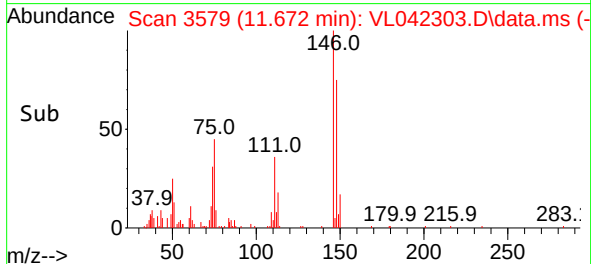
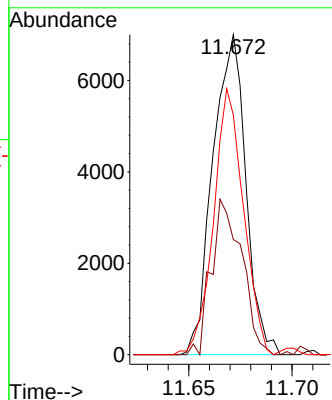
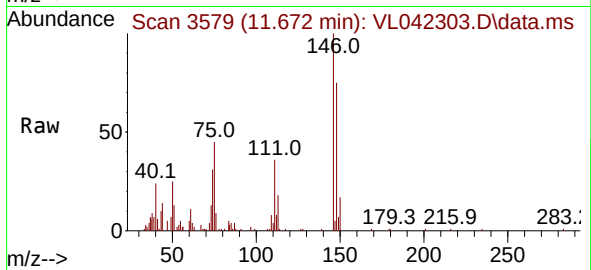
#76
 1,4-Dichlorobenzene
 Concen: 0.195 ppbv
 RT: 11.672 min Scan# 3579
 Delta R.T. 0.003 min
 Lab File: VL042303.D
 Acq: 10 Apr 2025 11:56

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Tgt Ion:146 Resp: 776
 Ion Ratio Lower Upper
 146 100
 111 46.0 23.0 69.0
 148 76.7 31.9 95.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025





CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GFEL01
 Lab Code: CHEM Case No.: Q1772 SAS No.: Q1772 SDG No.: Q1772
 Instrument ID: MSVOA_L Calibration Date(s): 03/27/2025 03/27/2025
 Heated Purge: (Y/N) N Calibration Time(s): 08:26 11:36
 GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID:		RRF010 = VL042172.D		RRF002 = VL042173.D		RRF001 = VL042174.D		
		RRF0.5 = VL042175.D		RRF0.1 = VL042176.D		RRF.03 = VL042177.D		
COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	RRF	% RSD
Vinyl Chloride	0.549	0.584	0.576	0.635	0.705	0.882	0.639	18.8
1,1-Dichloroethene	0.504	0.560	0.565	0.624			0.552	9
cis-1,2-Dichloroethene	1.371	1.426	1.460	1.507			1.423	4.4
1,1,1-Trichloroethane	2.062	2.152	2.201	2.279	2.495	3.151	2.349	16.2
Trichloroethene	0.374	0.398	0.408	0.438	0.437	0.463	0.414	8
Tetrachloroethene	0.343	0.371	0.361	0.401	0.359	0.572	0.393	20.6
1-Bromo-4-Fluorobenzene	0.813	0.828	0.810	0.832	0.827	0.820	0.821	1

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

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

Method File : VL032725AIR.M

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

Last Update : Fri Mar 28 02:00:52 2025

Response Via : Initial Calibration

Calibration Files

0.03=VL042177.D 0.1 =VL042176.D 0.5 =VL042175.D 1 =VL042174.D 2 =VL042173.D 10 =VL042172.D 15 =VL042178.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.602	1.514	1.482	1.404	1.380	1.476	6.03
3) Chlorodifluoro...			1.622	1.541	1.514	1.457	1.408	1.508	5.41
4) Chloromethane			0.660	0.597	0.618	0.573	0.570	0.603	6.17
5) T Vinyl Chloride	0.882	0.705	0.635	0.576	0.584	0.549	0.546	0.639	18.84
6) T Bromomethane			0.327	0.268	0.266	0.256	0.250	0.273	11.20
7) Chloroethane			0.286	0.248	0.223	0.227	0.226	0.242	10.92
8) T Dichlorotetra...			1.306	1.283	1.274	1.214	1.211	1.257	3.40
9) T Propene			0.734	0.736	0.698	0.660	0.630	0.691	6.69
10) T Heptane			1.847	1.940	1.897	1.792	1.719	1.839	4.73
11) T Trichlorofluor...			1.562	1.457	1.480	1.339	1.346	1.437	6.59
12) T 1,1,2-Trichlor...			1.247	1.215	1.188	1.120	1.135	1.181	4.52
13) Ethanol			0.110	0.086	0.073	0.029	0.028	0.065	55.48
14) T Bromoethene			0.529	0.447	0.460	0.417	0.409	0.452	10.47
15) T Acetone			1.699	1.573	1.469	1.113	1.139	1.399	18.73
16) T 1,3-Butadiene			0.952	0.705	0.608	0.573	0.577	0.683	23.38
17) tert-Butyl alc...			1.935	1.799	1.756	1.618	1.601	1.742	7.91
18) T 1,1-Dichloroet...			0.624	0.565	0.560	0.504	0.507	0.552	8.99
19) T Isopropyl Alcohol			1.016	0.800	0.738	0.702	0.689	0.789	16.99
20) T Methylene Chlo...			0.624	0.563	0.545	0.438	0.435	0.521	15.85
21) T Allyl Chloride			1.067	1.022	1.020	0.902	0.921	0.986	7.25
22) T trans-1,2-Dich...			0.704	0.701	0.621	0.590	0.575	0.638	9.56
23) T Vinyl Acetate			0.754	0.692	0.550	0.498	0.532	0.605	18.40
24) T 1,1-Dichloroet...			1.247	1.208	1.187	1.122	1.149	1.183	4.17
25) T Ethyl Acetate			4.017	3.619	3.703	3.457	3.353	3.630	7.06
26) T Hexane			1.507	1.462	1.383	1.333	1.325	1.402	5.71
27) T Carbon Disulfide			1.608	1.512	1.538	1.436	1.423	1.503	5.07
28) T Methyl tert-Bu...			0.921	0.886	0.894	0.831	0.832	0.873	4.56
29) T Chloroform			2.233	2.068	2.071	1.932	1.956	2.052	5.81
30) T Cyclohexane			1.337	1.238	1.211	1.162	1.140	1.217	6.33
31) T cis-1,2-Dichlo...			1.507	1.460	1.426	1.371	1.353	1.423	4.44
32) T 1,1,1-Trichlor...	3.151	2.495	2.279	2.201	2.152	2.062	2.105	2.349	16.23

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.754	0.771	0.770	0.667	0.664	0.725	7.58
35) T Carbon Tetrach...	1.069	0.782	0.709	0.732	0.748	0.703	0.725	0.781	16.60
36) T Benzene			1.049	1.027	1.013	0.934	0.934	0.991	5.47
37) T 1,2-Dichloroet...			0.613	0.569	0.563	0.537	0.556	0.568	4.95
38) T Trichloroethene	0.463	0.437	0.438	0.408	0.398	0.374	0.378	0.414	8.00
39) T 1,2-Dichloropr...			0.386	0.373	0.365	0.337	0.344	0.361	5.68

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\										
Method File : VL032725AIR.M										
40) T	1,4-Dioxane			0.234	0.197	0.191	0.169	0.167	0.192	14.08
41) T	Tetrahydrofuran			0.439	0.425	0.432	0.398	0.393	0.418	4.98
42) T	Bromodichlorom...			0.778	0.779	0.802	0.769	0.785	0.782	1.58
43) T	Methyl Methacr...			0.442	0.451	0.408	0.403	0.394	0.420	6.03
44) T	2,2,4-Trimethy...			1.781	1.689	1.723	1.608	1.576	1.675	5.00
45) T	t-1,3-Dichloro...			0.474	0.447	0.453	0.439	0.440	0.450	3.15
46) T	cis-1,3-Dichlo...			0.549	0.560	0.566	0.550	0.535	0.552	2.12
47) T	1,1,2-Trichlor...			0.419	0.382	0.379	0.364	0.365	0.382	5.88
48) T	Dibromochlorom...			0.651	0.641	0.663	0.636	0.644	0.647	1.62
49) T	Bromoform			0.566	0.588	0.597	0.582	0.570	0.581	2.18
50) T	4-Methyl-2-Pen...			1.286	1.214	1.211	1.027	1.008	1.149	10.79
51) T	2-Hexanone			0.999	1.018	1.031	0.844	0.827	0.944	10.56
52) T	Tetrachloroethene	0.572	0.359	0.401	0.361	0.371	0.343	0.345	0.393	20.64
53) T	Toluene			1.239	1.203	1.202	1.125	1.108	1.175	4.76
54) T	1,2-Dibromoethane	0.574		0.543	0.538	0.520	0.508	0.510	0.532	4.74
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.576	0.575	0.576	0.510	0.515	0.550	6.30
57) T	Chlorobenzene			1.024	0.979	0.994	0.875	0.871	0.949	7.46
58) T	Ethyl Benzene			1.850	1.822	1.894	1.671	1.645	1.776	6.28
59) T	m/p-Xylene			1.505	1.472	1.484	1.321	1.309	1.418	6.71
60) T	o-Xylene			1.521	1.475	1.499	1.328	1.287	1.422	7.50
61) T	Styrene			0.709	0.722	0.735	0.683	0.668	0.703	3.92
62) T	Isopropylbenzene			2.290	2.199	2.261	1.962	1.920	2.126	8.14
63) T	1,1,2,2-Tetrac...	0.986	0.800	0.907	0.889	0.893	0.796	0.777	0.864	8.78
64) T	n-propylbenzene			0.578	0.581	0.576	0.499	0.502	0.547	7.81
65) T	tert-Butylbenzene			2.190	2.071	2.144	1.736	1.691	1.966	11.96
66) T	Benzyl Chloride			0.217	0.213	0.221	0.203	0.189	0.209	6.06
67) T	sec-Butylbenzene			3.005	2.994	2.947	2.404	2.316	2.733	12.54
68) S	1-Bromo-4-Fluo...	0.820	0.827	0.832	0.810	0.828	0.813	0.820	0.821	0.98
69) T	p-Isopropyltol...			2.554	2.551	2.560	2.078	2.025	2.354	11.74
70) T	n-Butylbenzene			2.536	2.598	2.682	2.137	2.082	2.407	11.51
71) T	2-Chlorotoluene			1.717	1.728	1.759	1.538	1.510	1.650	7.07
72) T	4-Ethyltoluene			1.834	1.859	1.929	1.629	1.601	1.770	8.26
73) T	1,3,5-Trimethy...			1.616	1.671	1.677	1.387	1.381	1.546	9.71
74) T	1,2,4-Trimethy...			1.994	1.958	1.966	1.510	1.478	1.781	14.74
75) T	1,3-Dichlorobe...			1.036	1.022	1.063	0.882	0.882	0.977	8.99
76) T	1,4-Dichlorobe...			1.030	1.017	1.040	0.888	0.886	0.972	8.05
77) T	1,2-Dichlorobe...			1.012	1.031	1.014	0.850	0.850	0.951	9.78
78) T	Hexachloro-1,3...			1.057	1.113	1.086	0.802	0.784	0.968	16.65
79) T	Naphthalene	1.637		1.979	2.181	2.314	1.806	1.773	1.948	13.31
80) T	Naphthalene,2-...			0.721	0.891	1.163	0.990	1.013	0.955	17.09
81) T	1,2,4-Trichlor...			0.821	0.941	1.028	0.859	0.843	0.899	9.51

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042172.D
 Acq On : 27 Mar 2025 08:26
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:31:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	187002	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	545068	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	519536	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.371	95	422410	9.901	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	262496	9.507	ppbv	100
3) Chlorodifluoromethane	1.473	51	272522	9.662	ppbv	100
4) Chloromethane	1.531	50	107099	9.491	ppbv	100
5) Vinyl Chloride	1.577	62	102699	8.925	ppbv	100
6) Bromomethane	1.664	94	47950	9.377	ppbv	100
7) Chloroethane	1.703	64	42516	9.387	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	227041	9.656	ppbv	100
9) Propene	1.483	41	123386	9.709	ppbv	100
10) Heptane	4.972	43	335086	9.744	ppbv	100
11) Trichlorofluoromethane	1.874	101	250349	9.318	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.137	101	209365	9.481	ppbv	100
13) Ethanol	1.719	45	5338	5.364	ppbv	100
14) Bromoethene	1.777	108	77999	9.220	ppbv	100
15) Acetone	1.832	43	208061	7.955	ppbv	100
16) 1,3-Butadiene	1.606	39	107104	9.105	ppbv	100
17) tert-Butyl alcohol	2.036	59	302616	9.290	ppbv	100
18) 1,1-Dichloroethene	2.030	96	94236	9.128	ppbv	100
19) Isopropyl Alcohol	1.884	45	131359	8.902	ppbv	100
20) Methylene Chloride	2.059	84	81828	8.401	ppbv	100
21) Allyl Chloride	2.091	41	168602	9.141	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	110371	9.149	ppbv	100
23) Vinyl Acetate	2.460	43	93080	8.563	ppbv	100
24) 1,1-Dichloroethane	2.405	63	209753	9.484	ppbv	100
25) Ethyl Acetate	2.833	43	646501	9.524	ppbv	100
26) Hexane	2.823	57	249331	9.510	ppbv	100
27) Carbon Disulfide	2.146	76	268507	9.550	ppbv	100
28) Methyl tert-Butyl Ether	2.438	73	155398	9.520	ppbv	100
29) Chloroform	2.845	83	361264	9.415	ppbv	100
30) Cyclohexane	3.852	84	217215	9.537	ppbv	100
31) cis-1,2-Dichloroethene	2.716	61	256425	9.634	ppbv	100
32) 1,1,1-Trichloroethane	3.363	97	385628	8.784	ppbv	100
34) 2-Butanone	2.554	43	363735	9.203	ppbv	100
35) Carbon Tetrachloride	3.758	117	382925	9.129	ppbv	100
36) Benzene	3.651	78	508860	9.417	ppbv	100
37) 1,2-Dichloroethane	3.214	62	292937	9.469	ppbv	100
38) Trichloroethene	4.545	130	204027	9.045	ppbv	100
39) 1,2-Dichloropropane	4.312	63	183439	9.321	ppbv	100
40) 1,4-Dioxane	4.577	88	92327	9.042	ppbv #	100
41) Tetrahydrofuran	3.049	42	216851	9.643	ppbv	100
42) Bromodichloromethane	4.483	83	418887	9.822	ppbv	100
43) Methyl Methacrylate	4.872	69	219399	9.618	ppbv	100
44) 2,2,4-Trimethylpentane	4.635	57	876649	9.600	ppbv	100
45) t-1,3-Dichloropropene	6.406	75	239180	9.746	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042172.D
 Acq On : 27 Mar 2025 08:26
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:31:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	300021	9.973	ppbv	100
47) 1,1,2-Trichloroethane	6.574	97	198176	9.526	ppbv	100
48) Dibromochloromethane	7.380	129	346499	9.828	ppbv	100
49) Bromoform	9.477	173	317189	10.021	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	559800	8.934	ppbv	100
51) 2-Hexanone	7.432	43	460013	8.848	ppbv #	100
52) Tetrachloroethene	8.218	164	186912	8.722	ppbv	100
53) Toluene	6.927	91	613378	9.576	ppbv	100
54) 1,2-Dibromoethane	7.649	107	276797	9.536	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	265037	9.268	ppbv	100
57) Chlorobenzene	8.917	112	454511	9.223	ppbv	100
58) Ethyl Benzene	9.351	91	868003	9.406	ppbv	100
59) m/p-Xylene	9.549	91	1372806m	18.607	ppbv	
60) o-Xylene	9.960	91	689933	9.340	ppbv	100
61) Styrene	9.866	104	354697	9.706	ppbv	100
62) Isopropylbenzene	10.536	105	1019255	9.227	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.960	83	413392	9.210	ppbv	100
64) n-propylbenzene	10.986	120	259405	9.122	ppbv	100
65) tert-Butylbenzene	11.529	119	901951	8.828	ppbv	100
66) Benzyl Chloride	11.610	91	105411	9.724	ppbv	100
67) sec-Butylbenzene	11.766	105	1249106	8.796	ppbv	100
69) p-Isopropyltoluene	11.924	119	1079675	8.830	ppbv	100
70) n-Butylbenzene	12.277	91	1110351	8.879	ppbv	100
71) 2-Chlorotoluene	10.898	91	799102	9.320	ppbv	100
72) 4-Ethyltoluene	11.122	105	846232	9.200	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	720566	8.970	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	784745	8.480	ppbv	100
75) 1,3-Dichlorobenzene	11.604	146	458226	9.028	ppbv	100
76) 1,4-Dichlorobenzene	11.669	146	461371	9.134	ppbv	100
77) 1,2-Dichlorobenzene	11.944	146	441473	8.933	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	416735	8.284	ppbv	100
79) Naphthalene	13.510	128	938470	9.271	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	514394	10.436	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	446420	9.561	ppbv	100

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

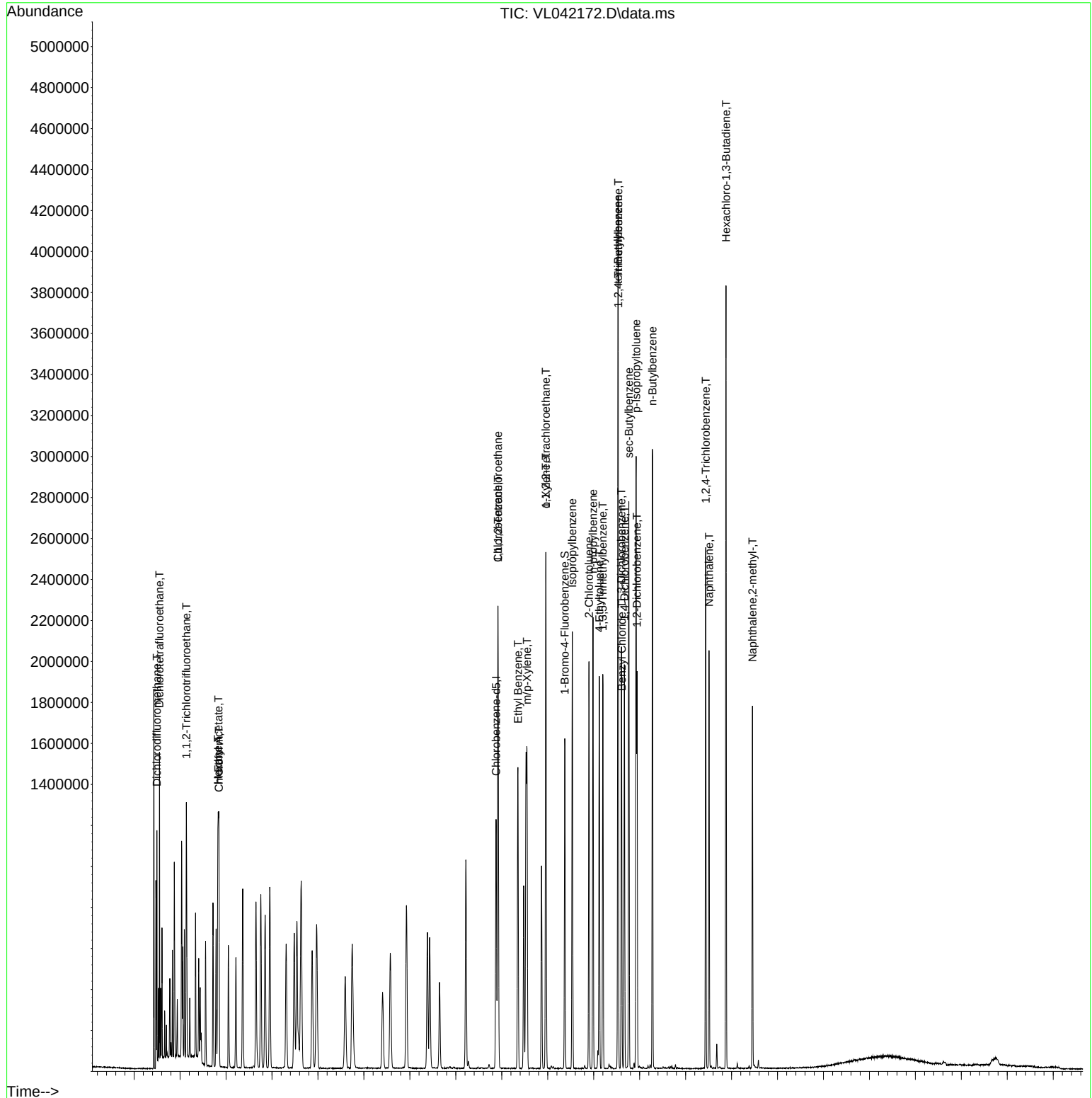
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Acq On : 27 Mar 2025 08:26
Operator : SY/MD
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

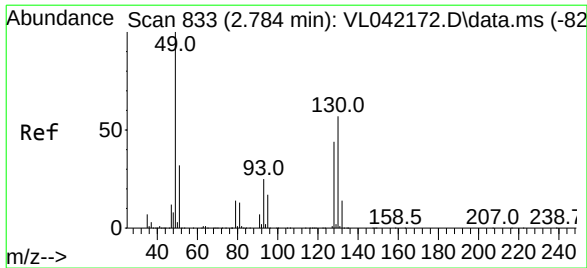
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 28 01:31:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

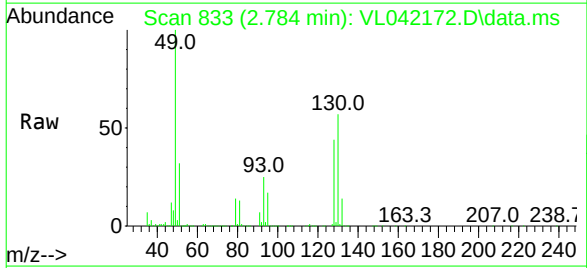
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

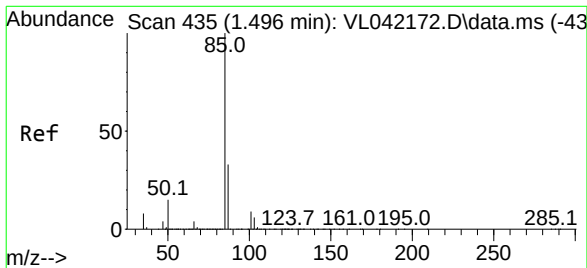
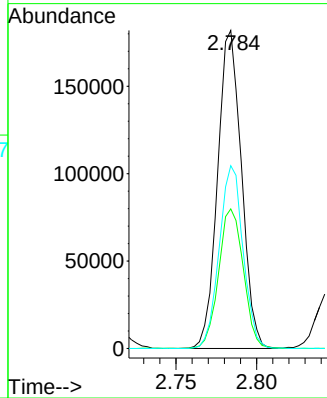
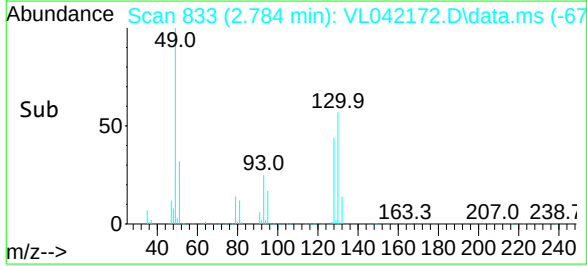
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 49 Resp: 187002
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 57.6 28.8 86.4

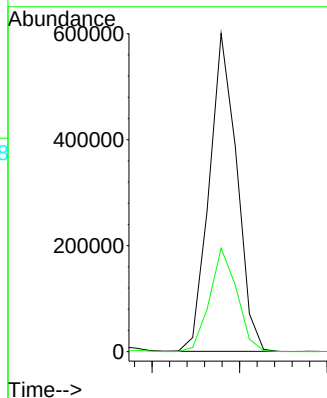
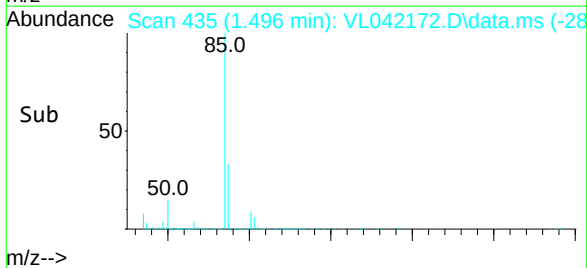
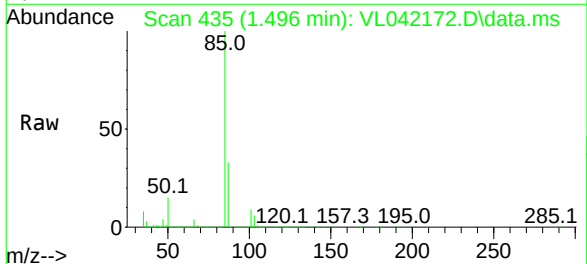
Manual Integrations
APPROVED

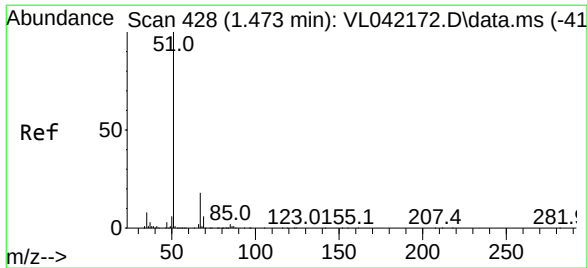
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#2
Dichlorodifluoromethane
Concen: 9.507 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 85 Resp: 262496
Ion Ratio Lower Upper
85 100
87 32.6 26.1 39.1





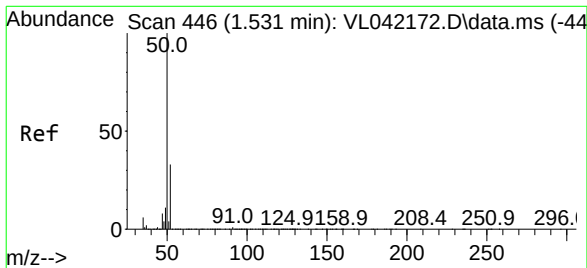
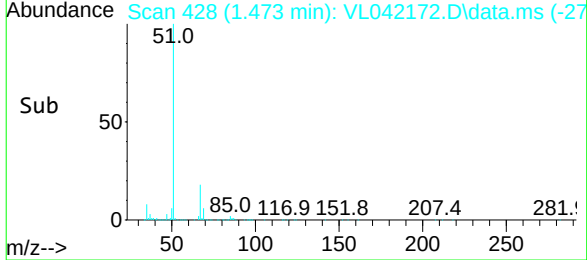
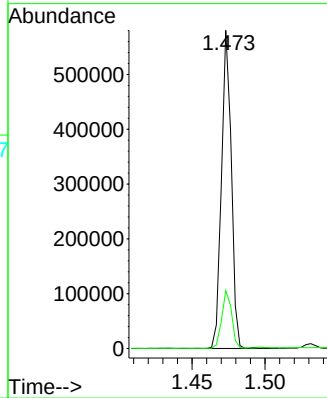
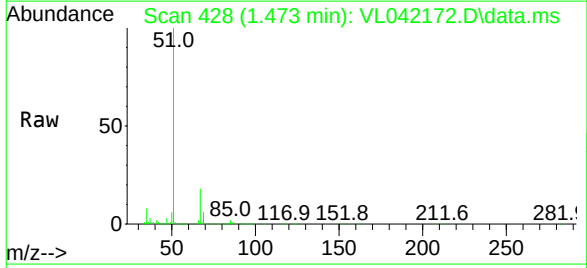
#3
Chlorodifluoromethane
Concen: 9.662 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 272522
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.6

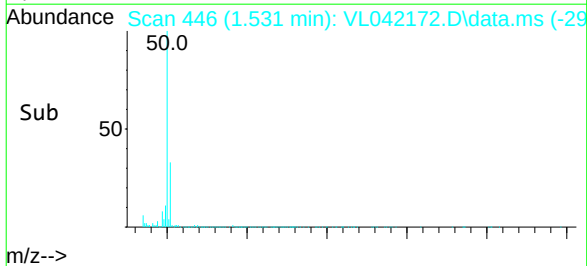
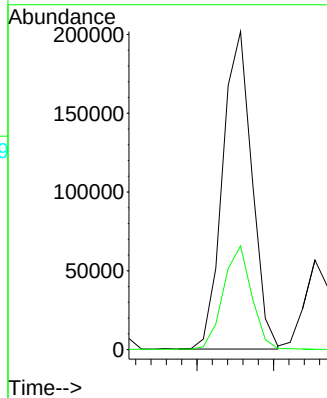
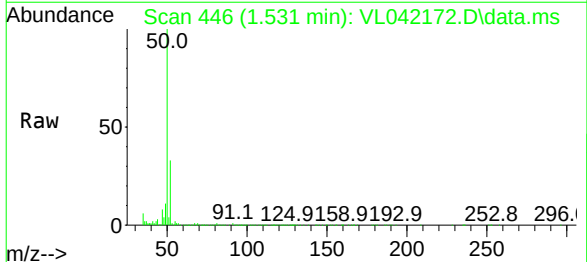
Manual Integrations
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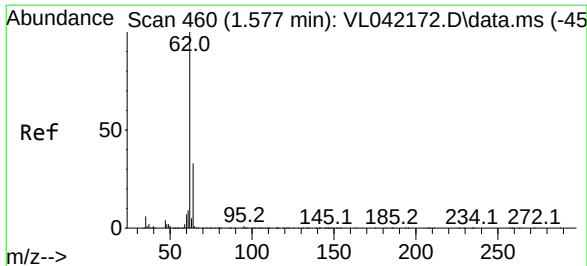
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 9.491 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 50 Resp: 107099
Ion Ratio Lower Upper
50 100
52 32.6 26.1 39.1





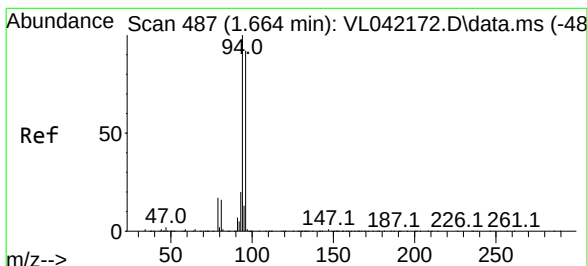
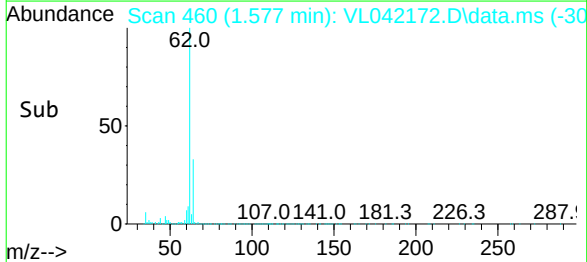
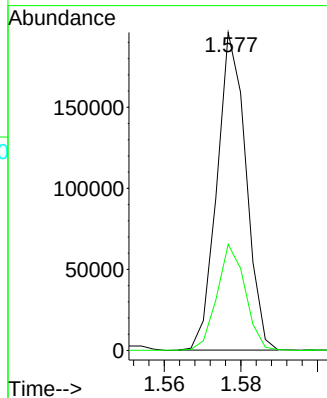
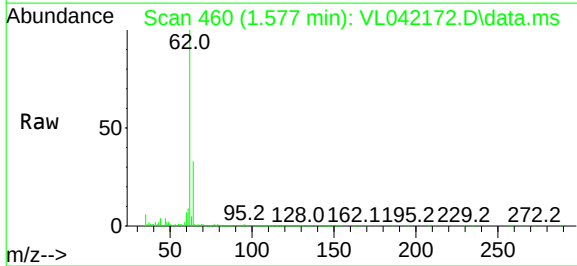
#5
 Vinyl Chloride
 Concen: 8.925 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 102699
 Ion Ratio Lower Upper
 62 100
 64 33.3 26.6 40.0

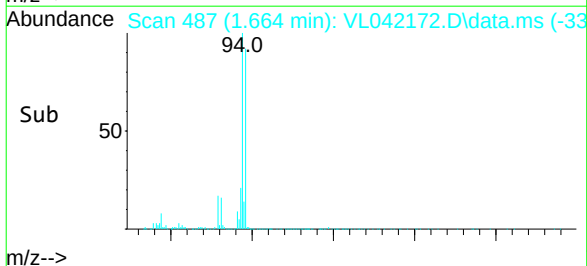
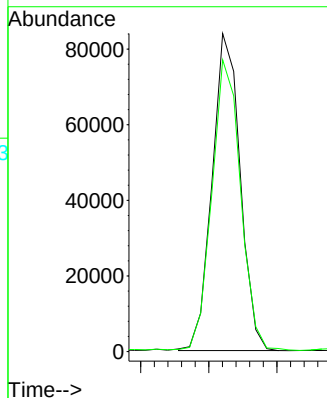
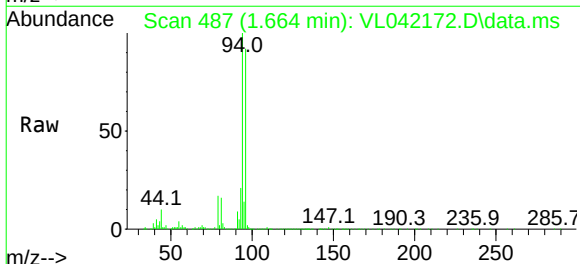
Manual Integrations
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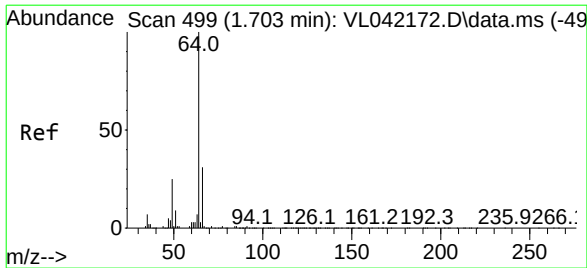
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 9.377 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

Tgt Ion: 94 Resp: 47950
 Ion Ratio Lower Upper
 94 100
 96 91.4 73.1 109.7





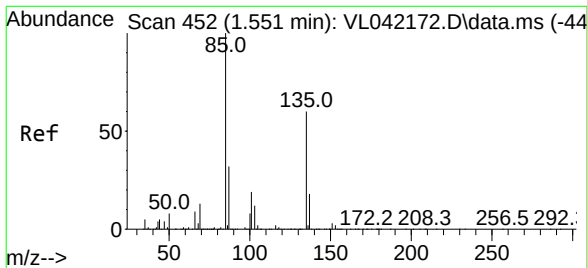
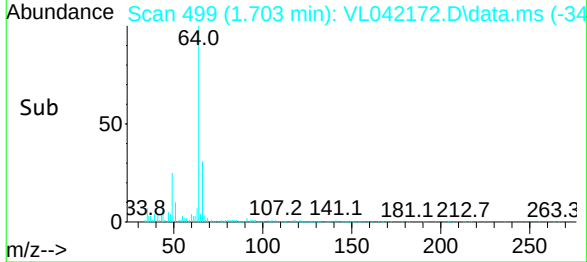
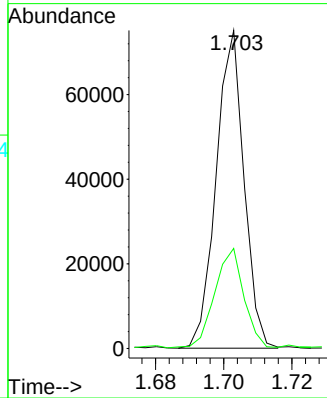
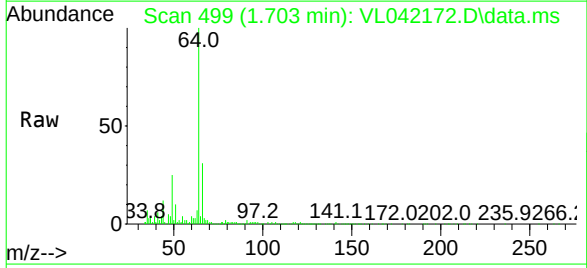
#7
Chloroethane
Concen: 9.387 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 42516
Ion Ratio Lower Upper
64 100
66 31.5 25.2 37.8

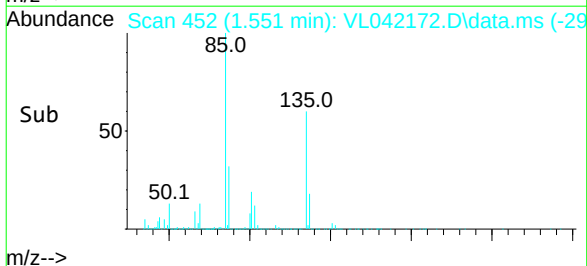
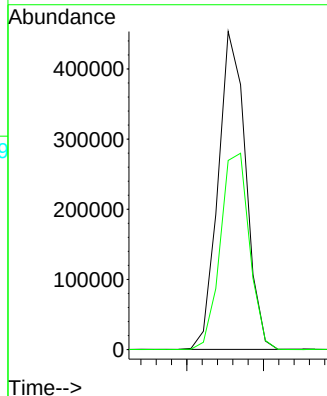
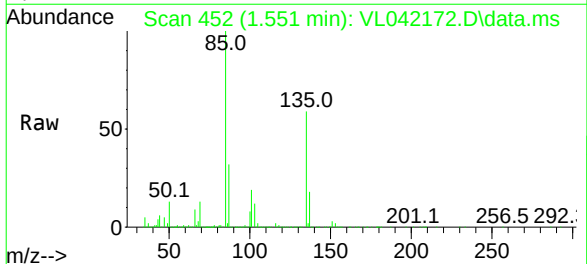
Manual Integrations
APPROVED

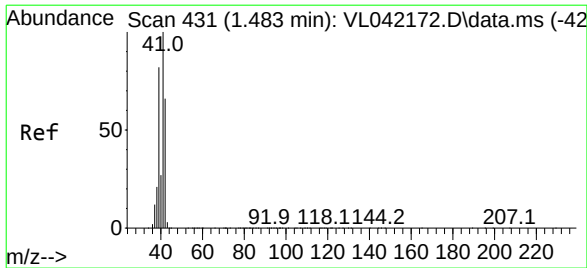
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 9.656 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

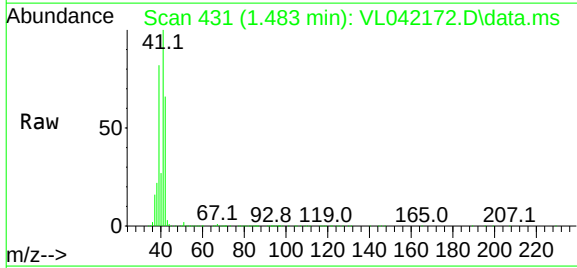
Tgt Ion: 85 Resp: 227041
Ion Ratio Lower Upper
85 100
135 65.5 52.4 78.6





#9
 Propene
 Concen: 9.709 ppbv
 RT: 1.483 min Scan# 431
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

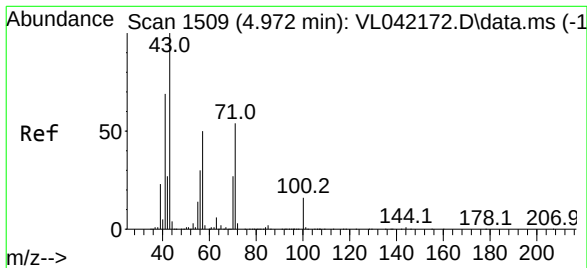
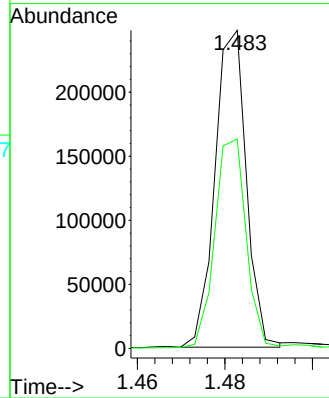
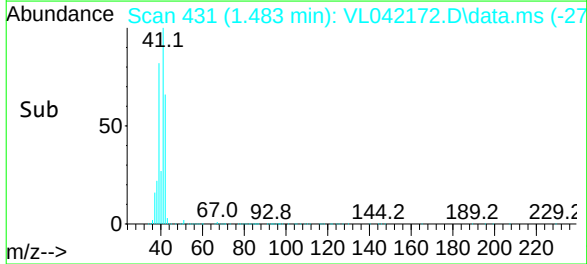
Instrument :
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 ClientSampleId :
 VSTDICCC010



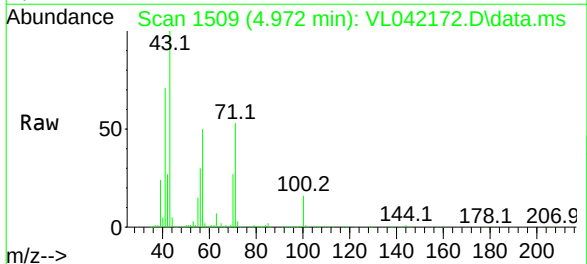
Tgt Ion: 41 Resp: 123386
 Ion Ratio Lower Upper
 41 100
 42 69.3 55.4 83.2

Manual Integrations
 APPROVED

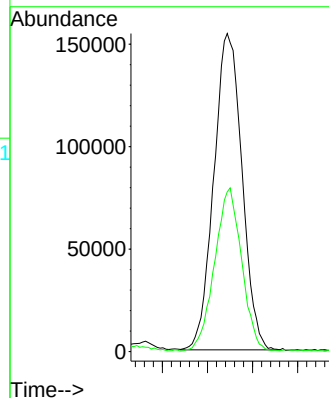
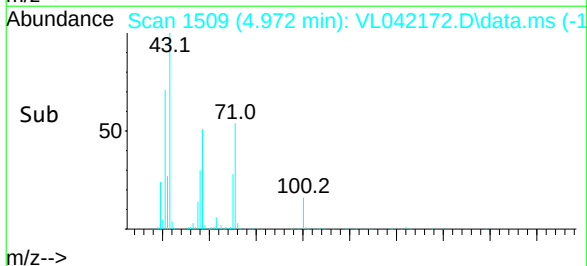
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

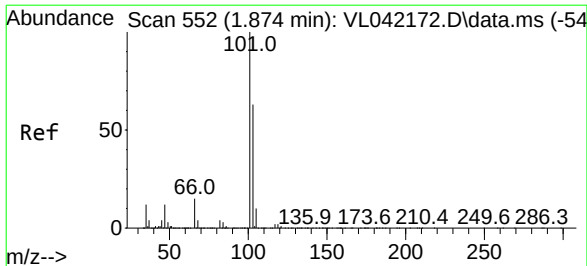


#10
 Heptane
 Concen: 9.744 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26



Tgt Ion: 43 Resp: 335086
 Ion Ratio Lower Upper
 43 100
 57 49.3 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.318 ppbv

RT: 1.874 min Scan# 552

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:101 Resp: 250349

Ion Ratio Lower Upper

101 100

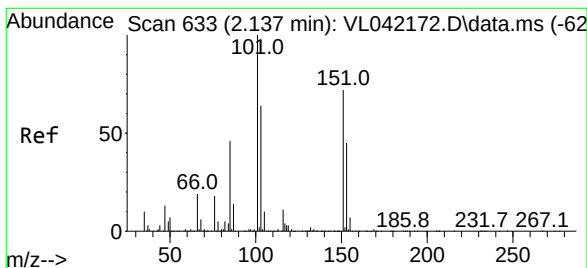
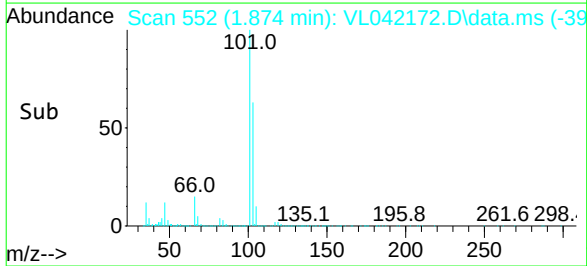
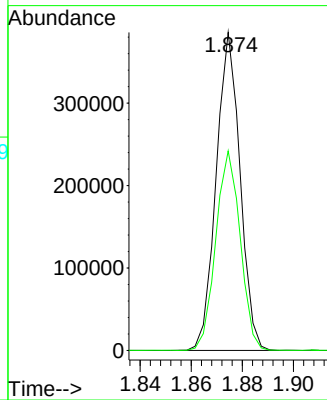
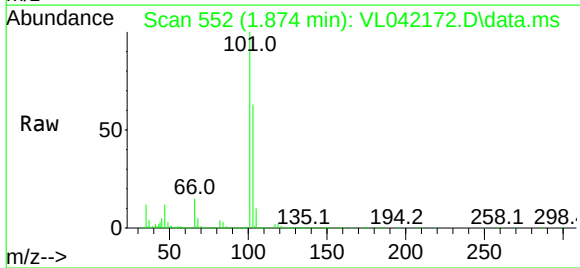
103 62.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.481 ppbv

RT: 2.137 min Scan# 633

Delta R.T. 0.000 min

Lab File: VL042172.D

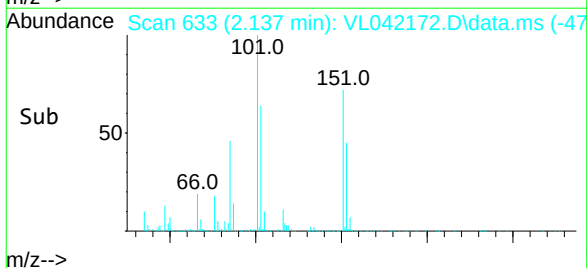
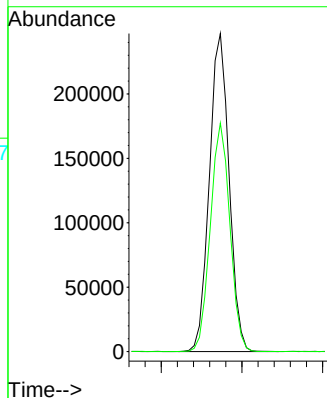
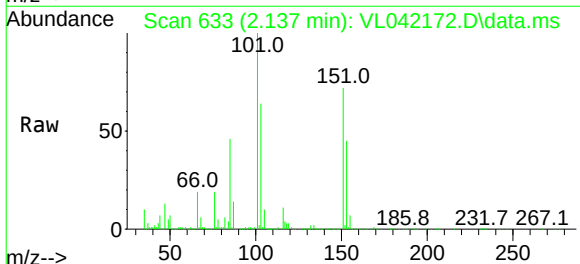
Acq: 27 Mar 2025 08:26

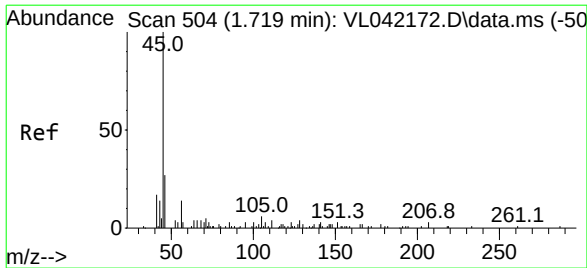
Tgt Ion:101 Resp: 209365

Ion Ratio Lower Upper

101 100

151 71.4 57.1 85.7





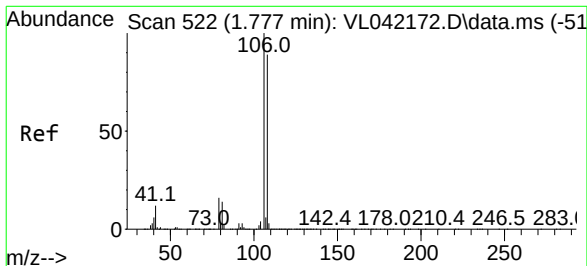
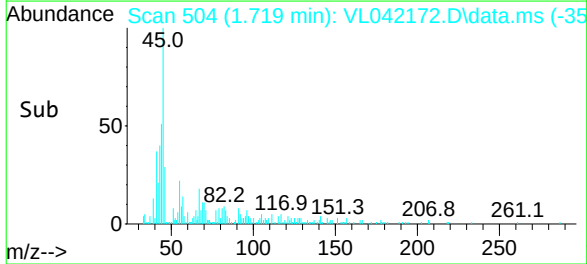
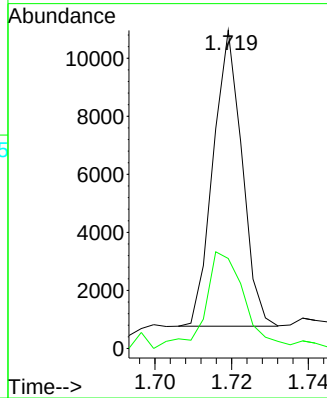
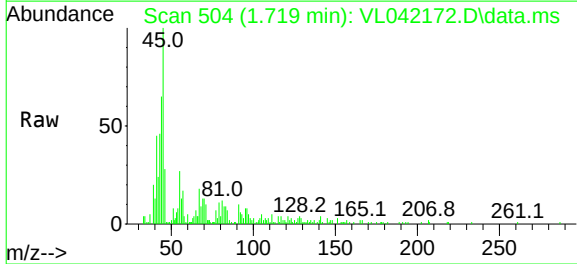
#13
Ethanol
Concen: 5.364 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 5338
Ion Ratio Lower Upper
45 100
46 50.5 20.2 80.8

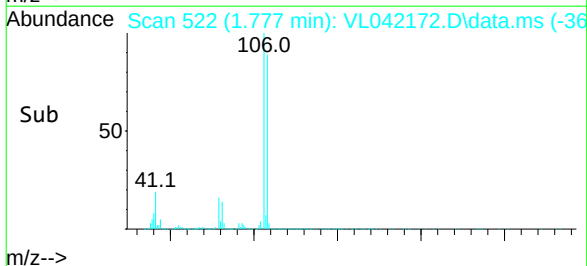
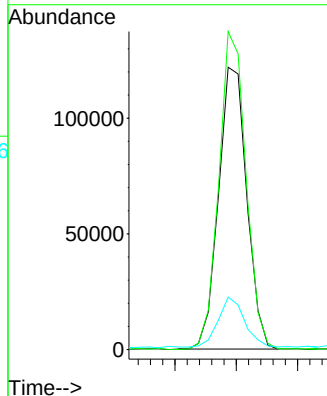
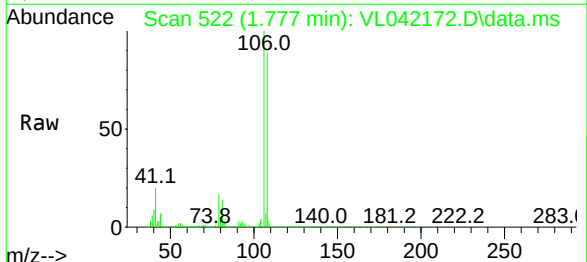
Manual Integrations
APPROVED

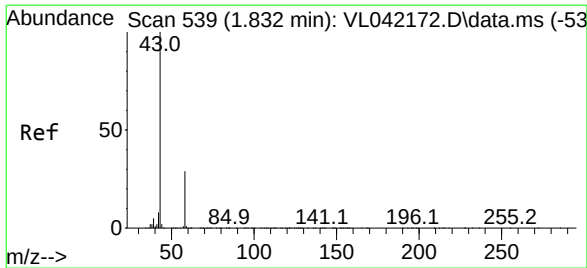
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 9.220 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:108 Resp: 77999
Ion Ratio Lower Upper
108 100
106 108.5 86.8 130.2
79 18.8 15.0 22.6





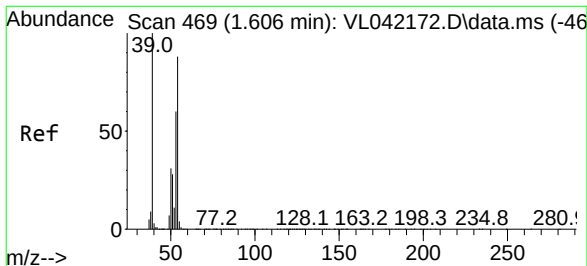
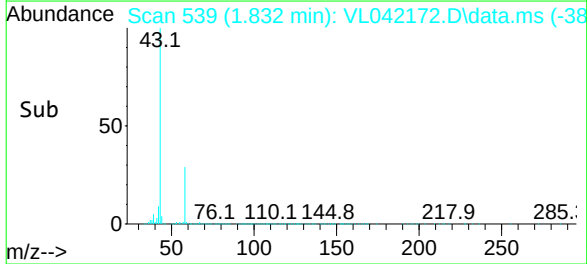
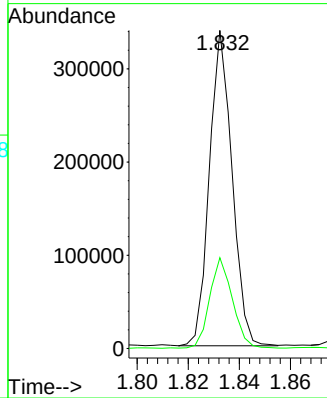
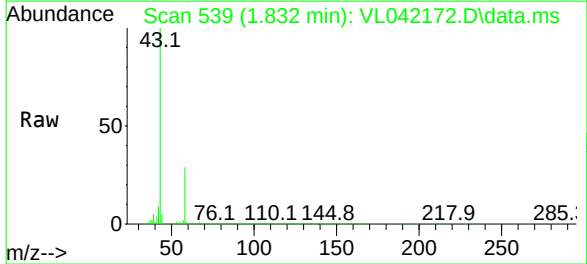
#15
Acetone
Concen: 7.955 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 208061
Ion Ratio Lower Upper
43 100
58 29.0 23.2 34.8

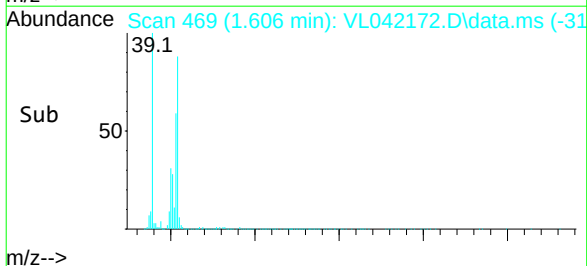
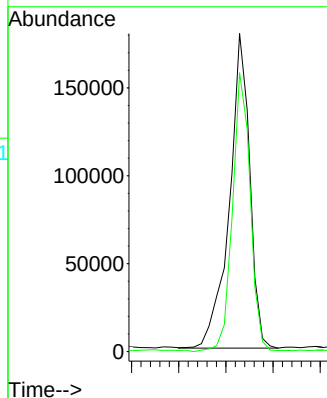
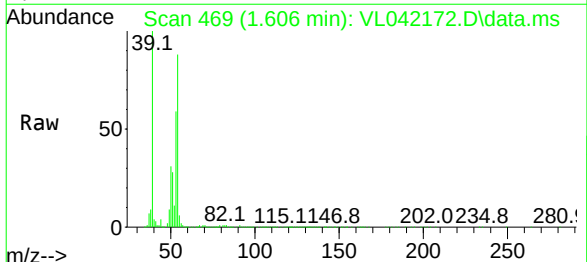
Manual Integrations
APPROVED

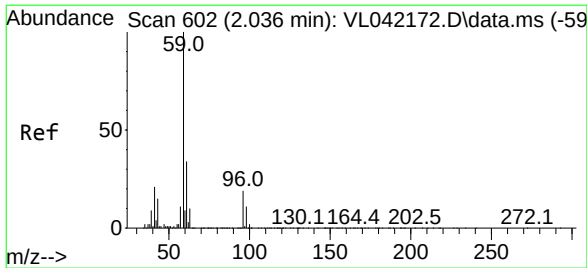
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 9.105 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 39 Resp: 107104
Ion Ratio Lower Upper
39 100
54 75.9 60.7 91.1





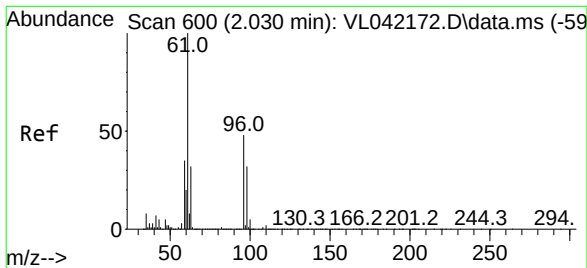
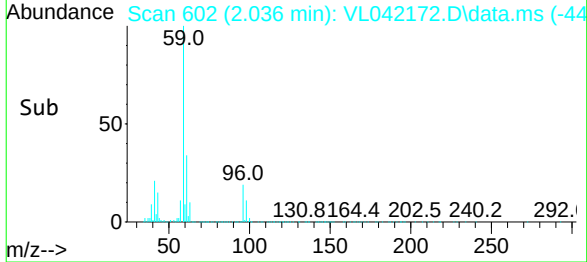
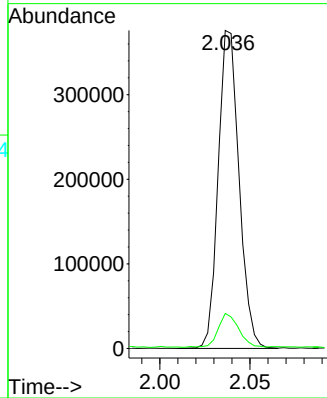
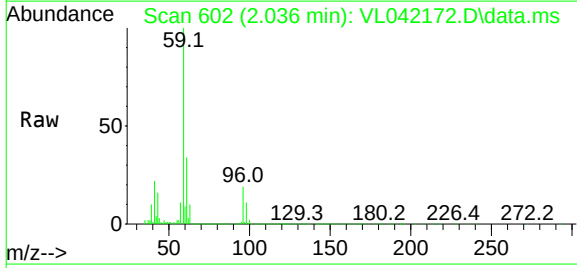
#17
tert-Butyl alcohol
Concen: 9.290 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 302616
Ion Ratio Lower Upper
59 100
57 11.1 8.9 13.3

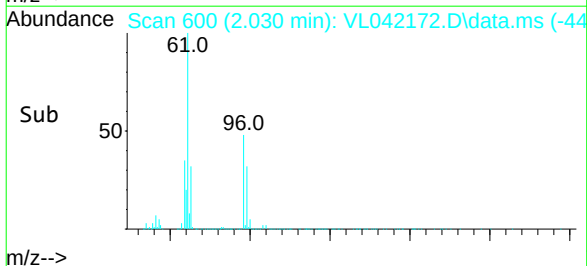
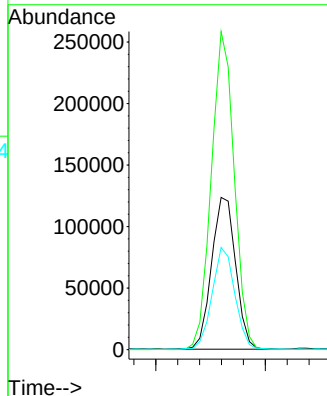
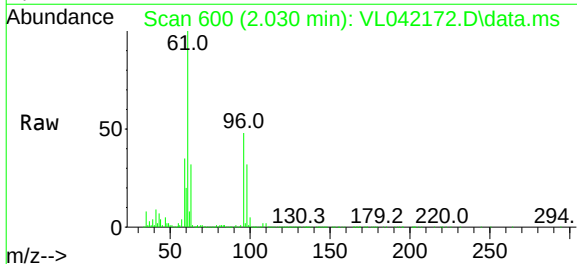
Manual Integrations
APPROVED

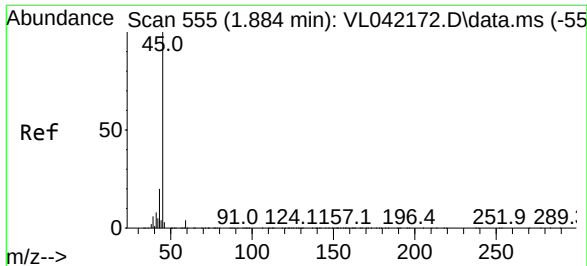
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 9.128 ppbv
RT: 2.030 min Scan# 600
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 96 Resp: 94236
Ion Ratio Lower Upper
96 100
61 209.5 167.6 251.4
98 66.9 53.5 80.3





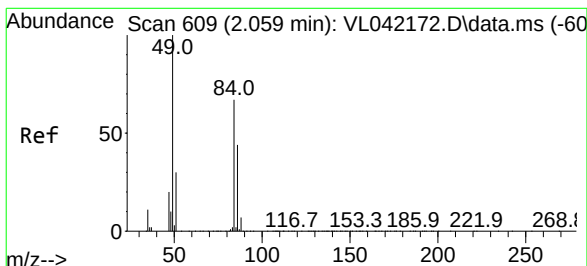
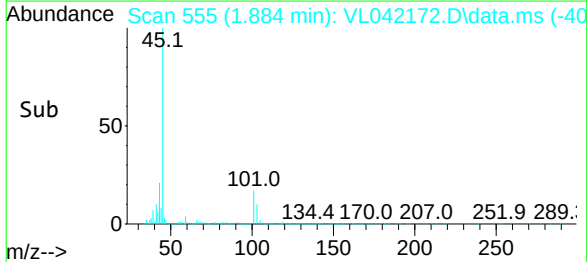
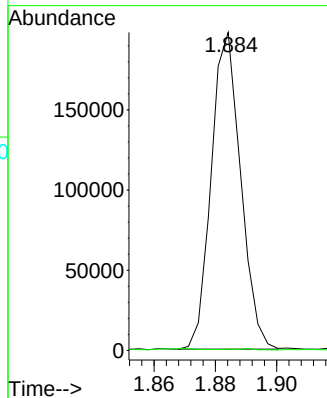
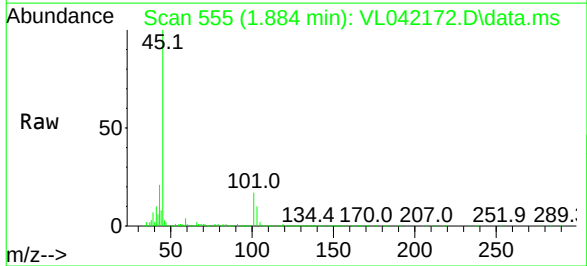
#19
Isopropyl Alcohol
Concen: 8.902 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 131359
Ion Ratio Lower Upper
45 100
58 46.1 36.9 55.3

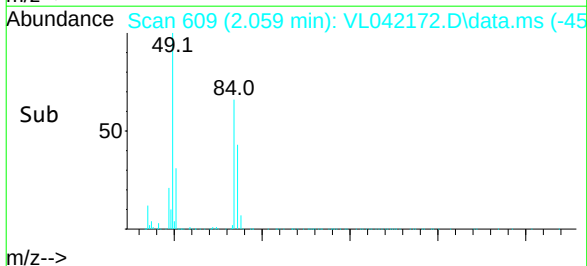
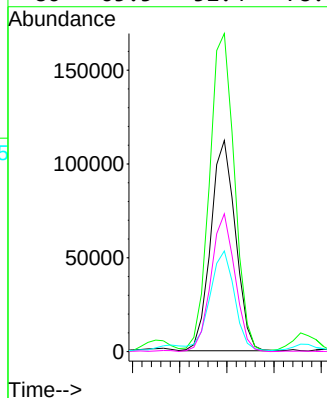
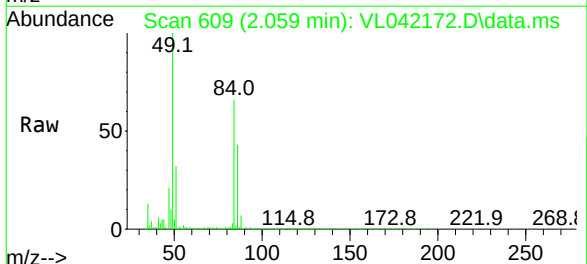
Manual Integrations
APPROVED

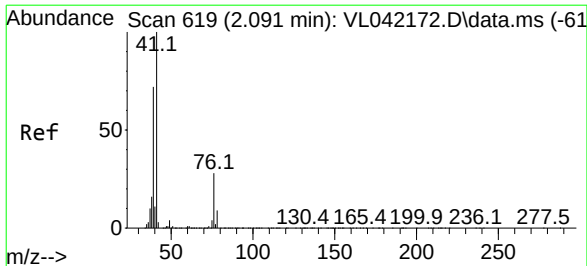
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 8.401 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 84 Resp: 81828
Ion Ratio Lower Upper
84 100
49 150.3 120.2 180.4
51 46.7 37.4 56.0
86 65.5 52.4 78.6





#21

Allyl Chloride

Concen: 9.141 ppbv

RT: 2.091 min Scan# 619

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

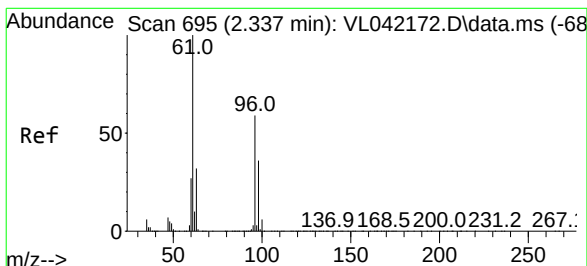
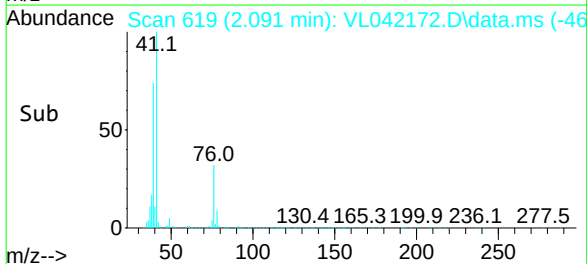
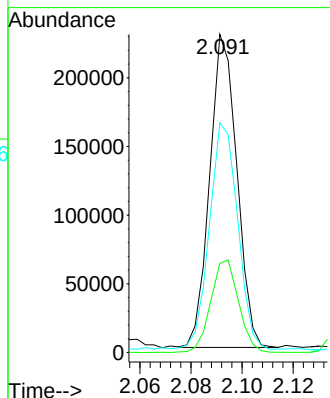
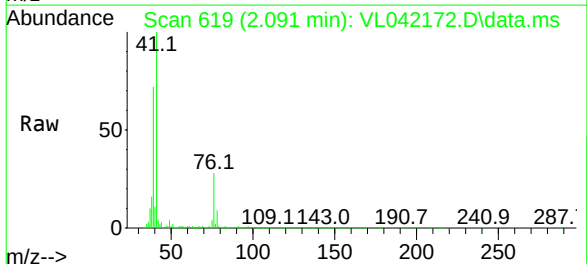
VSTDICCC010

Tgt Ion:	41	Resp:	168602
Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.1	36.1
39	76.4	61.1	91.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#22

trans-1,2-Dichloroethene

Concen: 9.149 ppbv

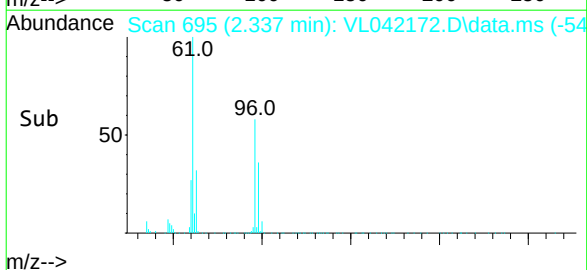
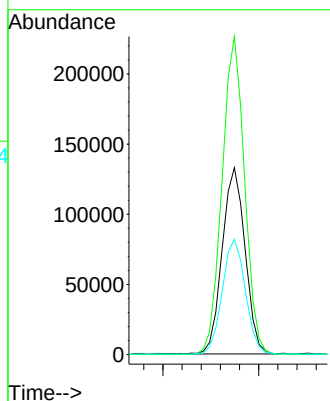
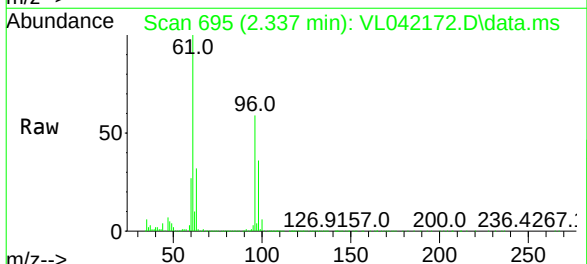
RT: 2.337 min Scan# 695

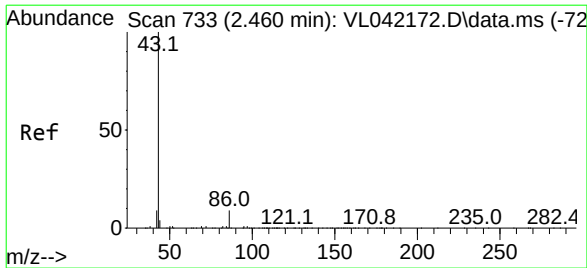
Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

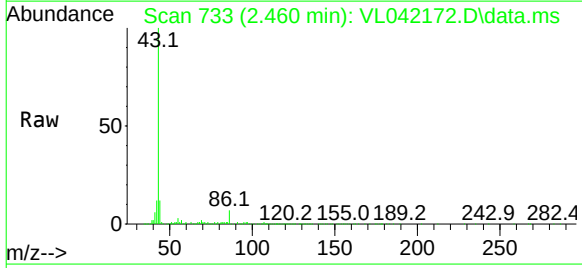
Tgt Ion:	96	Resp:	110371
Ion	Ratio	Lower	Upper
96	100		
61	170.7	136.6	204.8
98	61.8	49.4	74.2





#23
 Vinyl Acetate
 Concen: 8.563 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

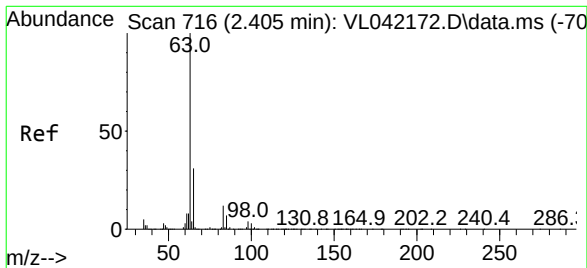
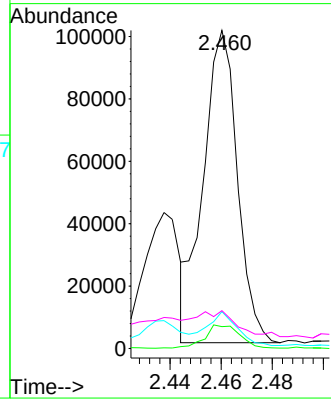
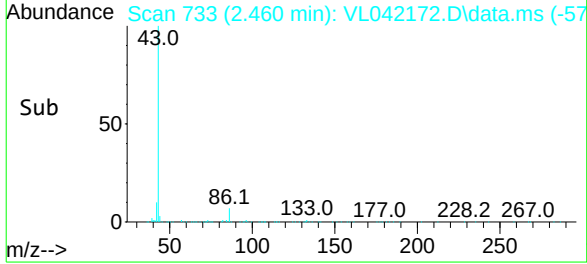
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion: 43 Resp: 93080
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.5 8.3
 42 10.8 8.6 13.0
 44 7.8 6.2 9.4

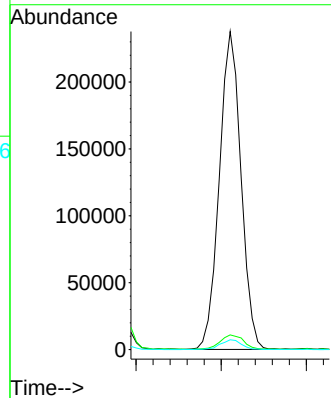
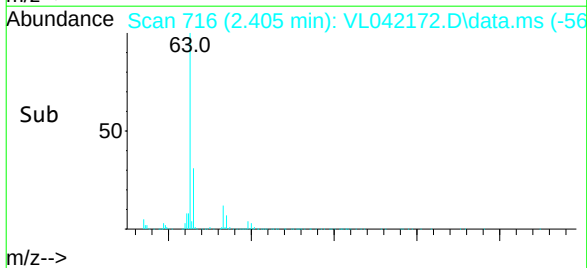
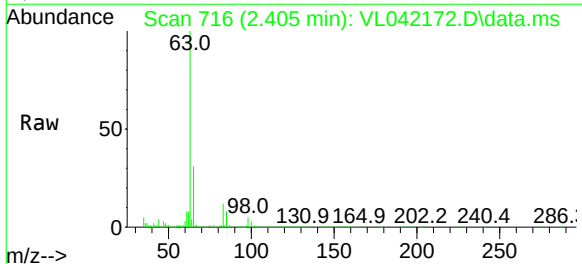
Manual Integrations
 APPROVED

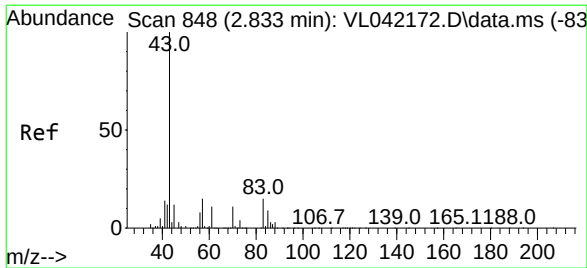
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#24
 1,1-Dichloroethane
 Concen: 9.484 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

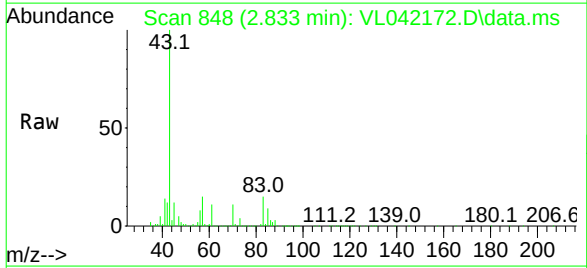
Tgt Ion: 63 Resp: 209753
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.3 6.8
 100 3.1 1.6 4.7





#25
Ethyl Acetate
Concen: 9.524 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

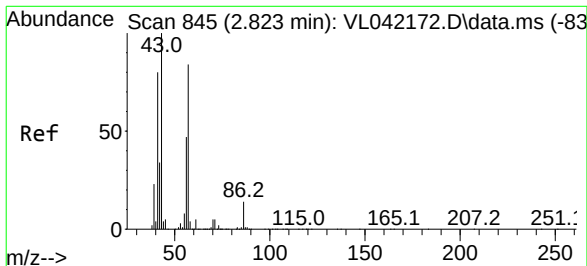
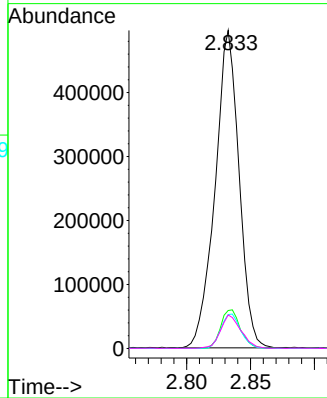
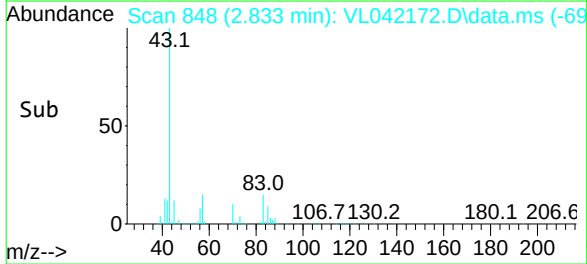
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



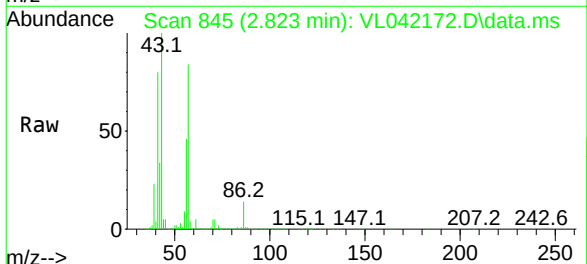
Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.1	7.3	10.9
70	9.0	7.2	10.8

Manual Integrations
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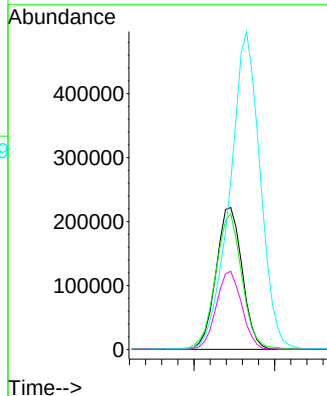
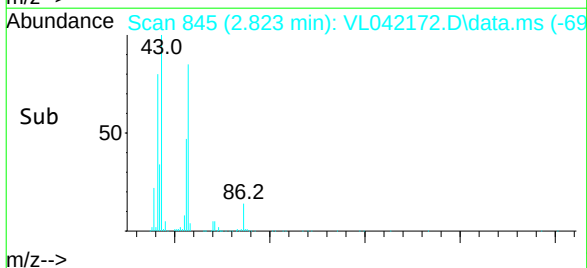
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

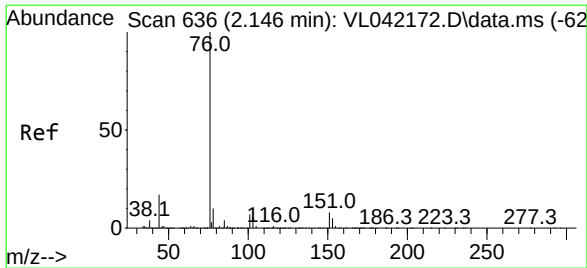


#26
Hexane
Concen: 9.510 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26



Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.6	114.8
43	259.8	207.8	311.8
56	54.5	43.6	65.4





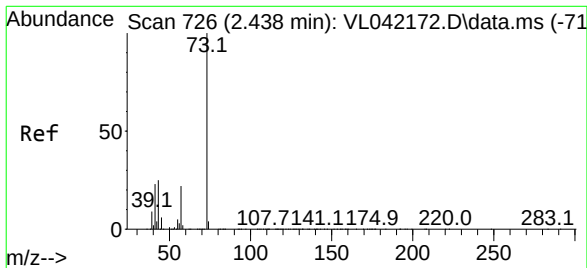
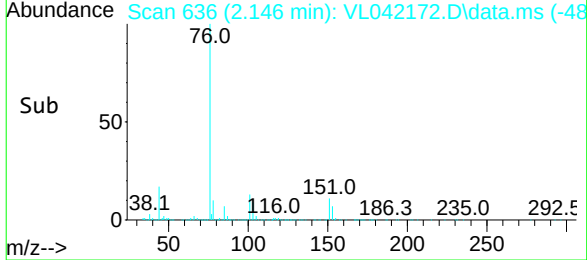
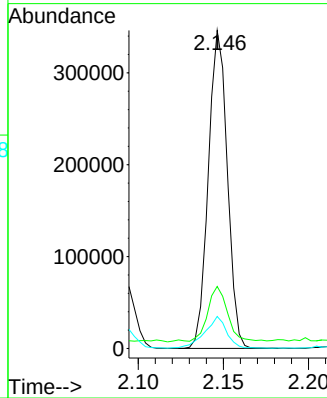
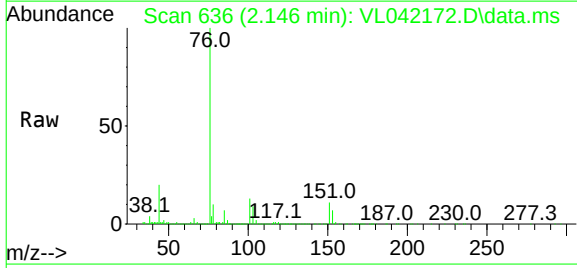
#27
Carbon Disulfide
Concen: 9.550 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 268507
Ion Ratio Lower Upper
76 100
44 18.4 14.7 22.1
78 11.6 9.3 13.9

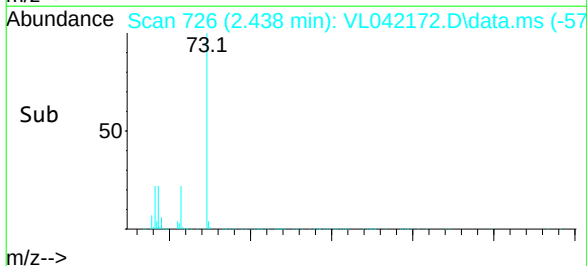
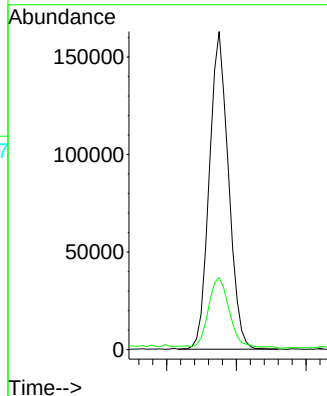
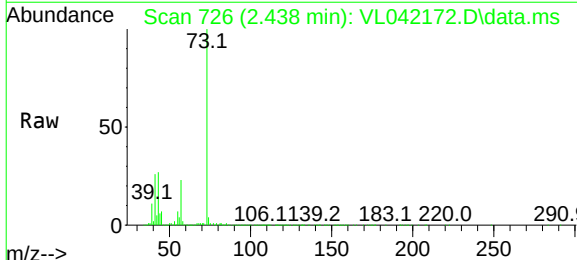
Manual Integrations
APPROVED

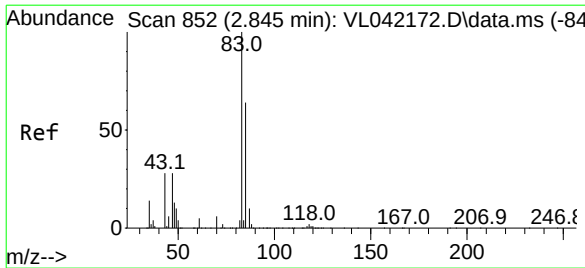
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 9.520 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 73 Resp: 155398
Ion Ratio Lower Upper
73 100
57 25.6 20.5 30.7





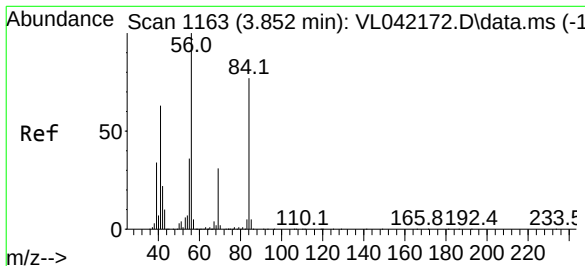
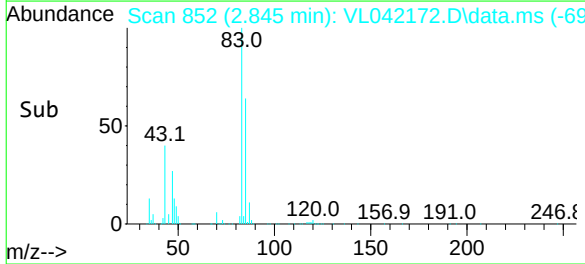
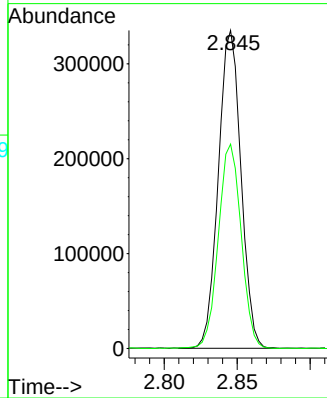
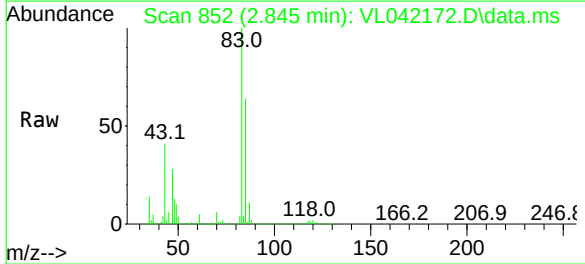
#29
Chloroform
Concen: 9.415 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 361264
Ion Ratio Lower Upper
83 100
85 64.3 51.4 77.2

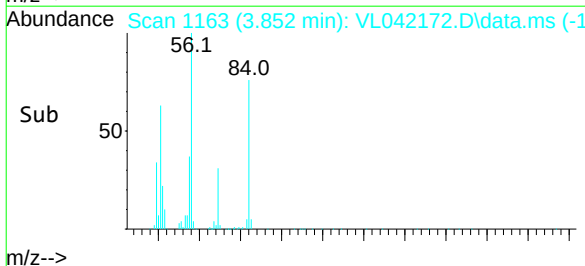
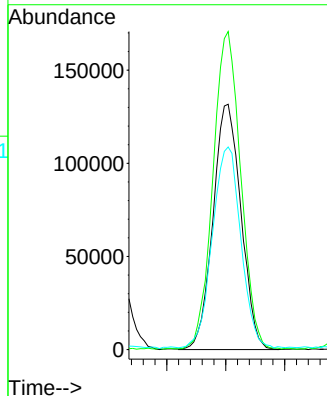
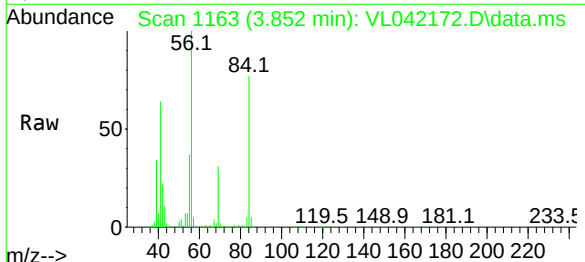
Manual Integrations
APPROVED

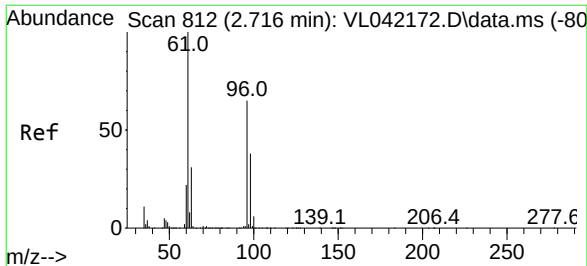
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#30
Cyclohexane
Concen: 9.537 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

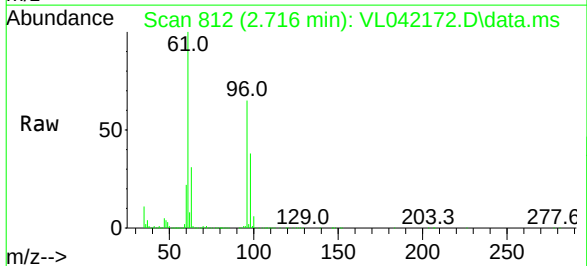
Tgt Ion: 84 Resp: 217215
Ion Ratio Lower Upper
84 100
56 128.5 102.8 154.2
41 83.1 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 9.634 ppbv
 RT: 2.716 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

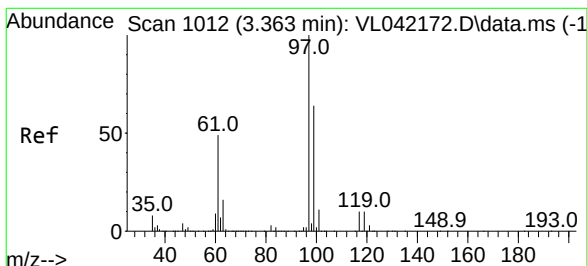
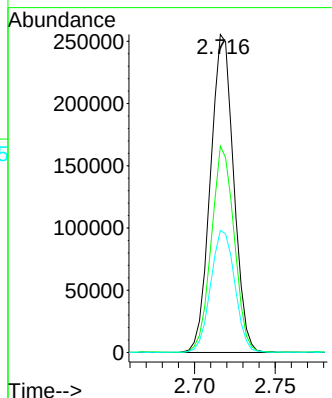
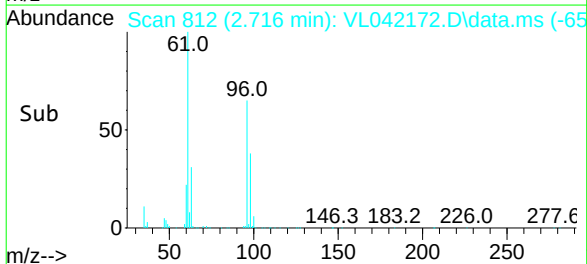
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:	61	Resp:	256425
Ion	Ratio	Lower	Upper
61	100		
96	64.8	51.8	77.8
98	38.3	30.6	46.0

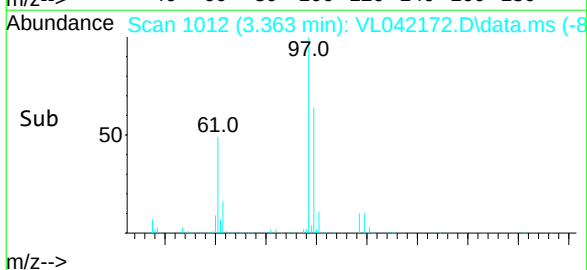
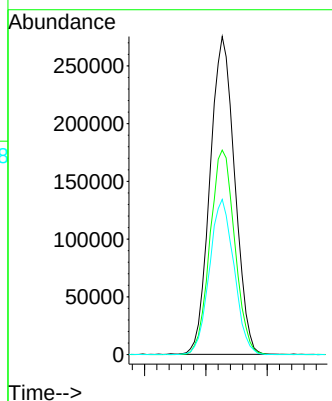
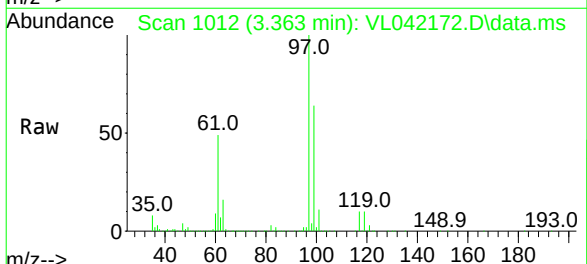
Manual Integrations
 APPROVED

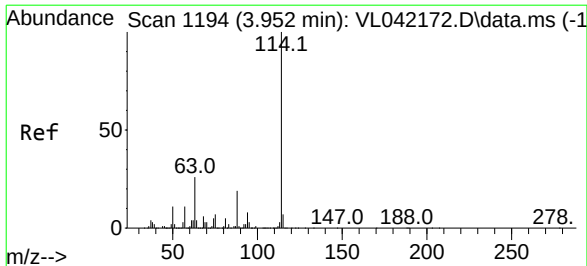
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 8.784 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

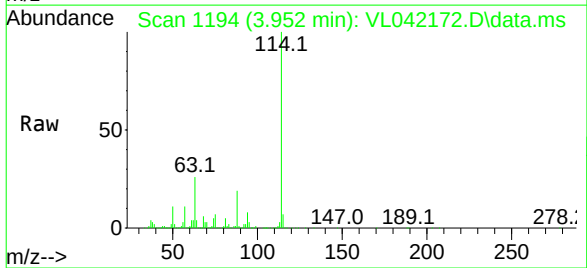
Tgt Ion:	97	Resp:	385628
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.5	77.3
61	48.4	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

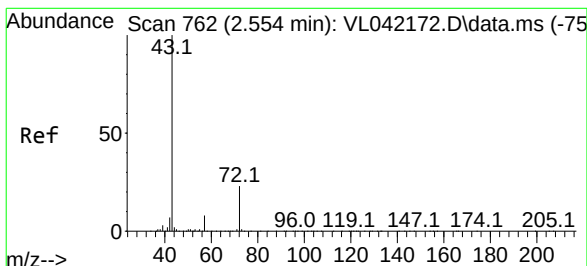
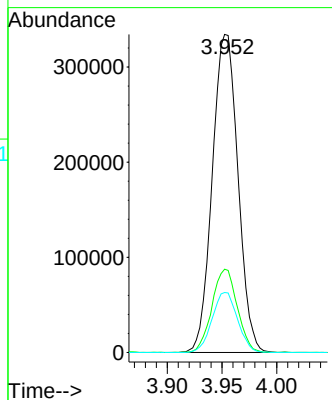
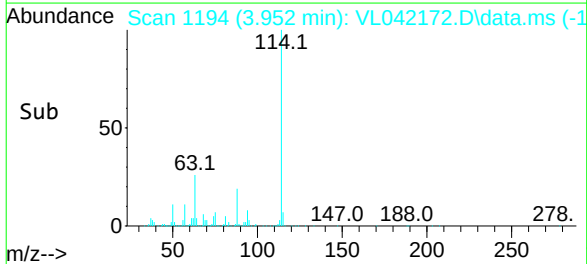
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 114 Resp: 545068
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 18.7 15.0 22.4

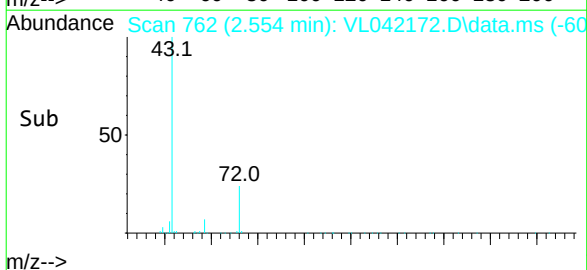
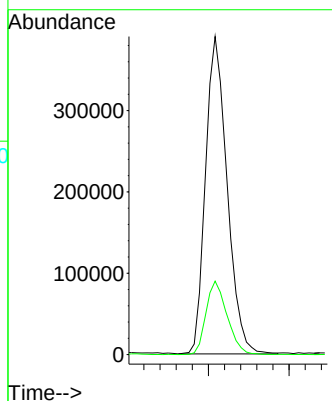
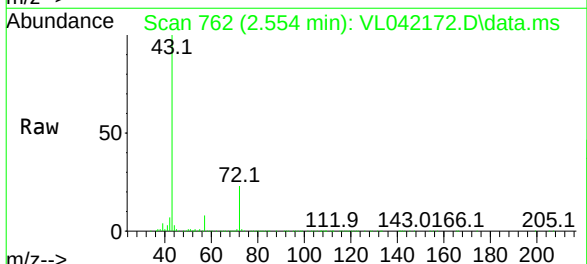
Manual Integrations
APPROVED

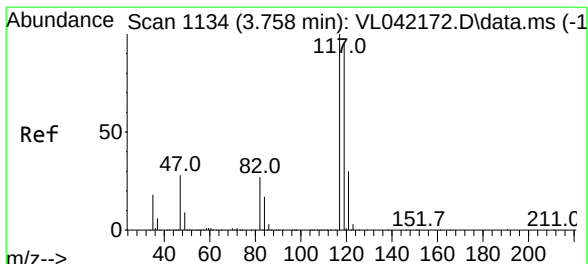
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#34
2-Butanone
Concen: 9.203 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 363735
Ion Ratio Lower Upper
43 100
72 22.7 18.2 27.2





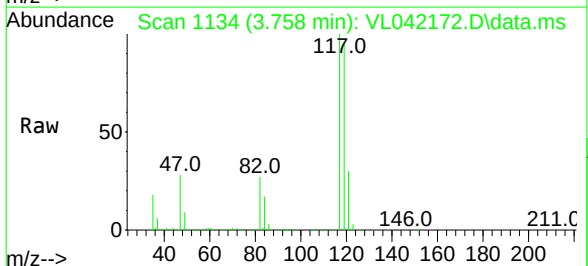
#35
Carbon Tetrachloride
Concen: 9.129 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

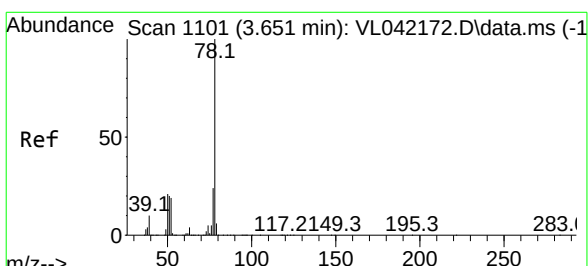
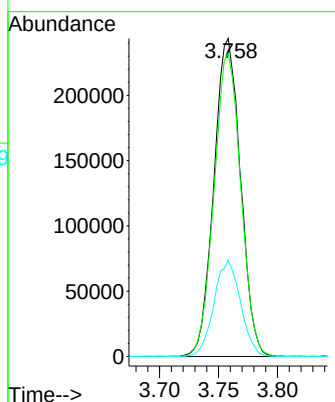
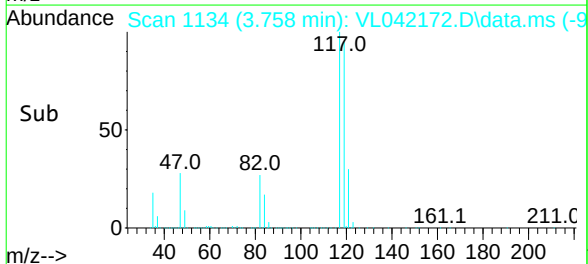


Tgt Ion: 117 Resp: 382925

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.3	24.2	36.4

Manual Integrations
APPROVED

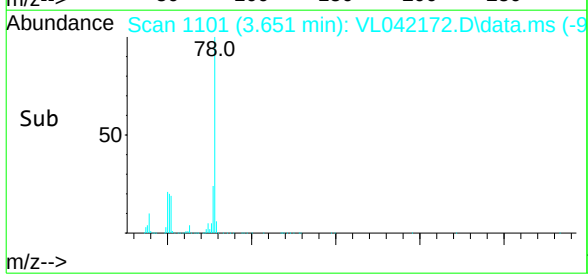
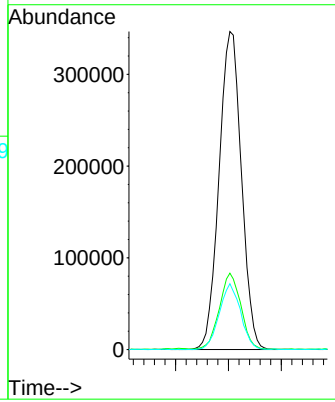
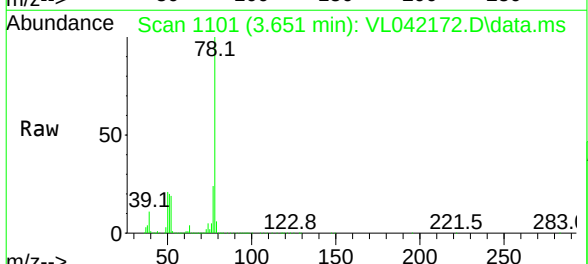
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025

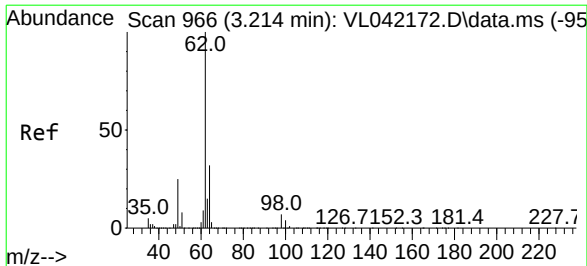


#36
Benzene
Concen: 9.417 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 78 Resp: 508860

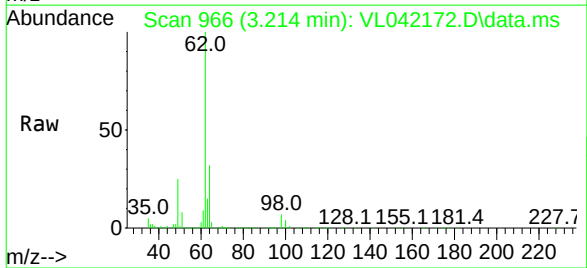
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
50	20.7	16.6	24.8





#37
1,2-Dichloroethane
Concen: 9.469 ppbv
RT: 3.214 min Scan# 966
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

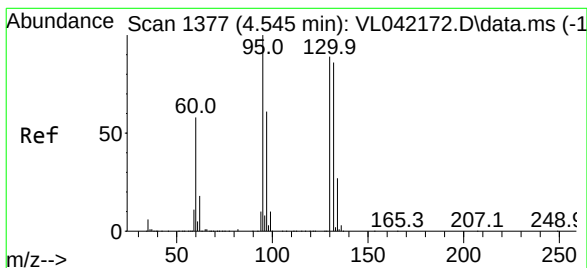
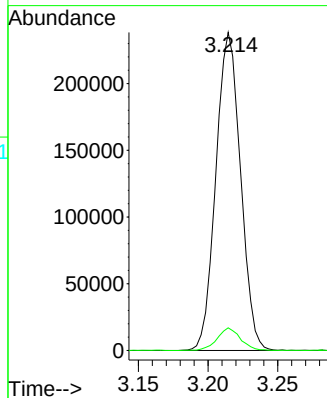
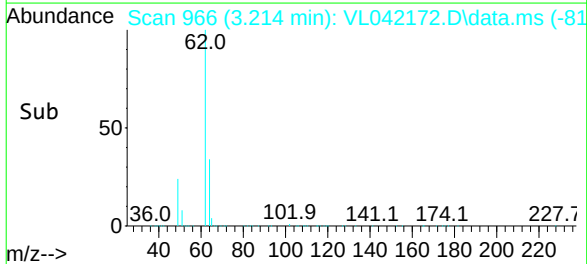
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 62 Resp: 292937
Ion Ratio Lower Upper
62 100
98 6.8 5.4 8.2

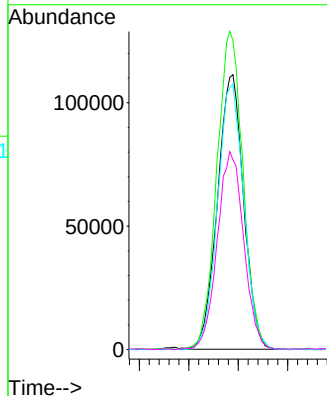
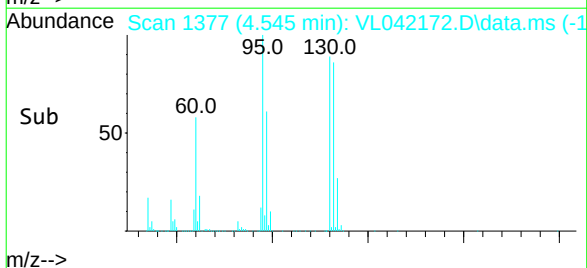
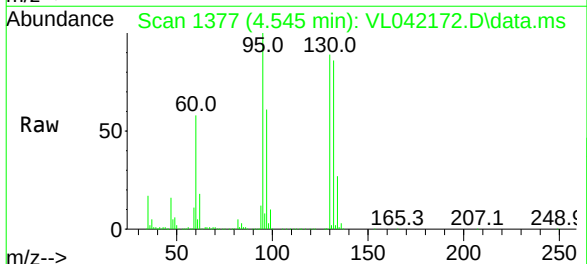
Manual Integrations
APPROVED

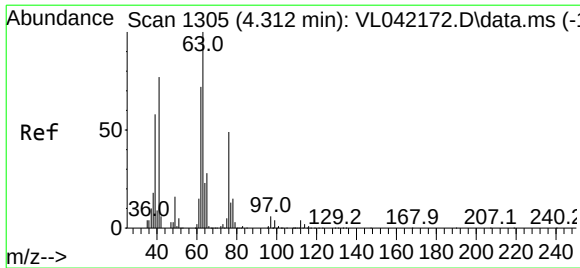
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 9.045 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

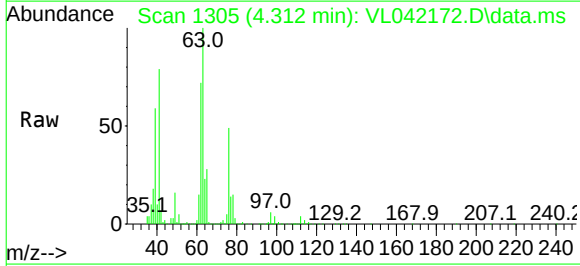
Tgt Ion:130 Resp: 204027
Ion Ratio Lower Upper
130 100
95 112.3 89.8 134.8
132 96.8 77.4 116.2
97 68.9 55.1 82.7





#39
 1,2-Dichloropropane
 Concen: 9.321 ppbv
 RT: 4.312 min Scan# 1305
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

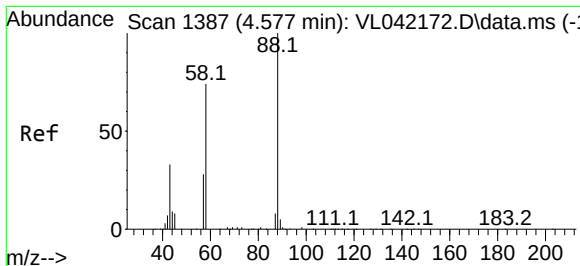
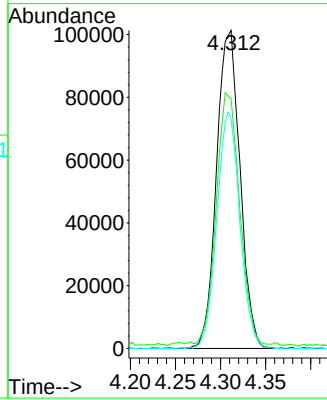
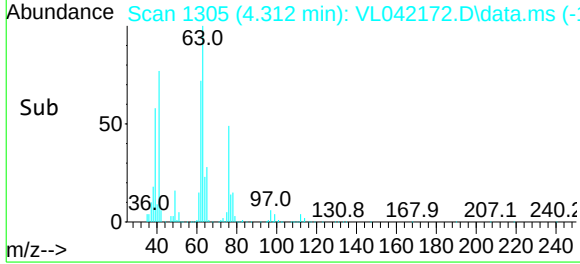
Instrument : MSVOA_1
 ClientSampleId : VSTDICCC010



Tgt Ion:	63	Resp:	183439
Ion	Ratio	Lower	Upper
63	100		
41	77.1	61.7	92.5
62	72.0	57.6	86.4

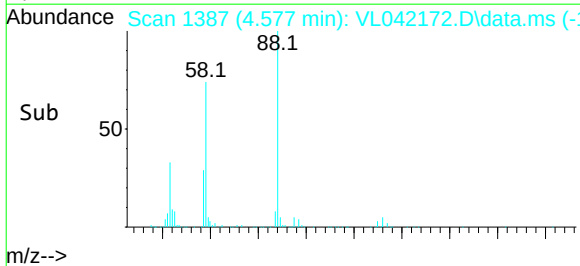
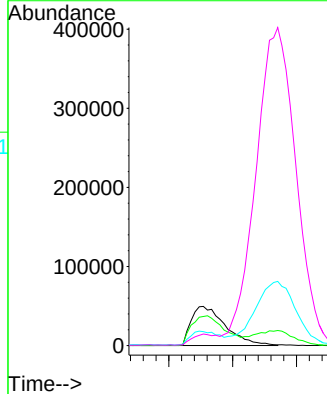
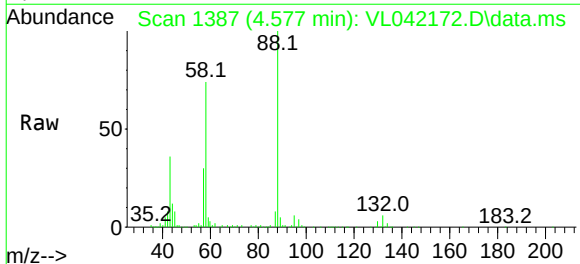
Manual Integrations
 APPROVED

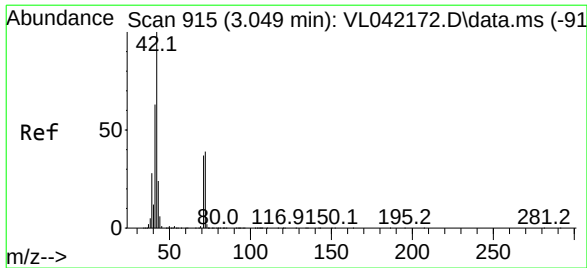
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#40
 1,4-Dioxane
 Concen: 9.042 ppbv
 RT: 4.577 min Scan# 1387
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

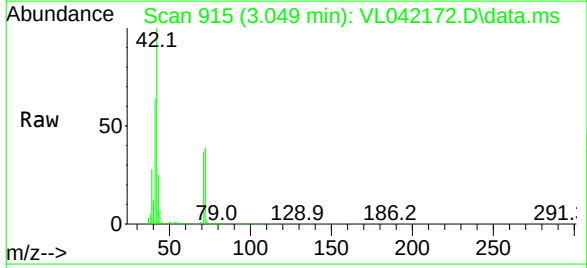
Tgt Ion:	88	Resp:	92327
Ion	Ratio	Lower	Upper
88	100		
58	78.4	62.7	94.1
43	28.7	23.0	34.4
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 9.643 ppbv
RT: 3.049 min Scan# 915
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

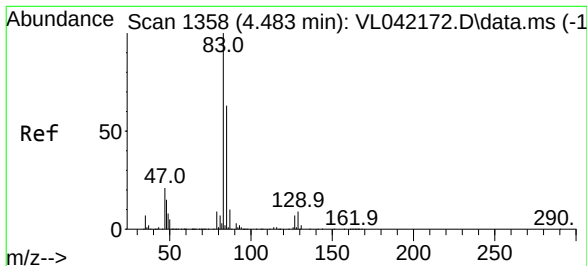
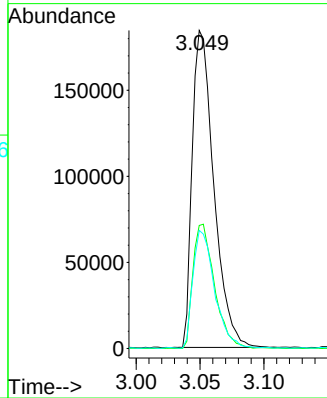
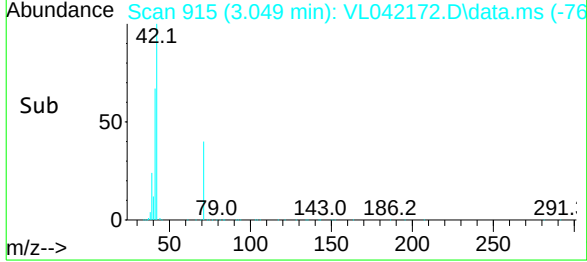
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



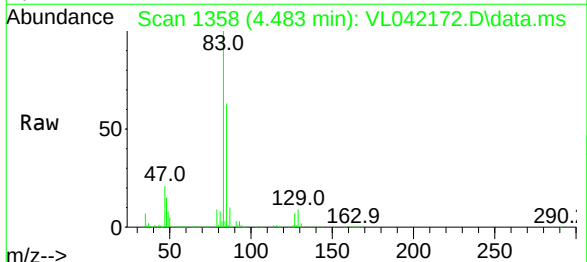
Tgt Ion: 42 Resp: 216851
Ion Ratio Lower Upper
42 100
72 39.2 31.4 47.0
71 37.8 30.2 45.4

Manual Integrations
APPROVED

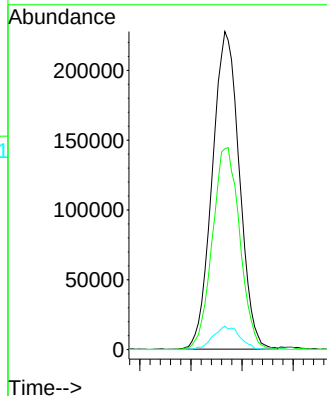
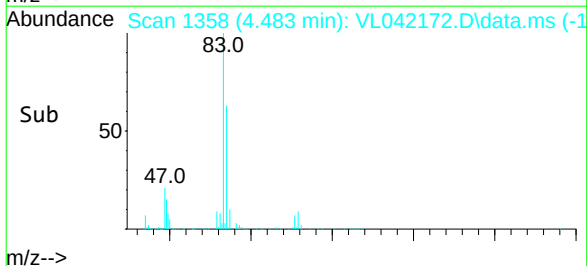
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

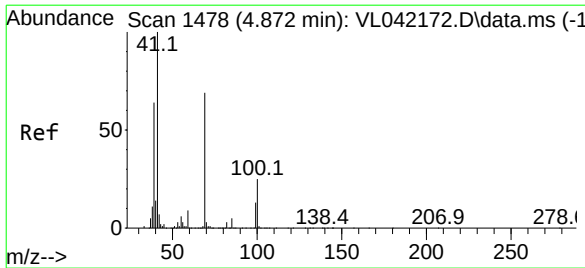


#42
Bromodichloromethane
Concen: 9.822 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26



Tgt Ion: 83 Resp: 418887
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7
127 7.4 5.9 8.9





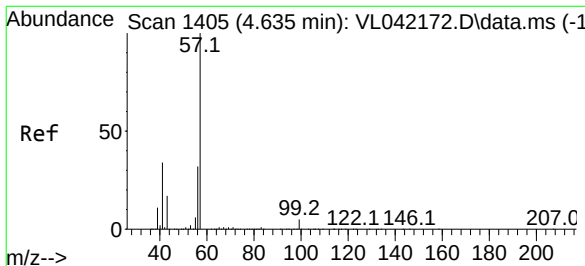
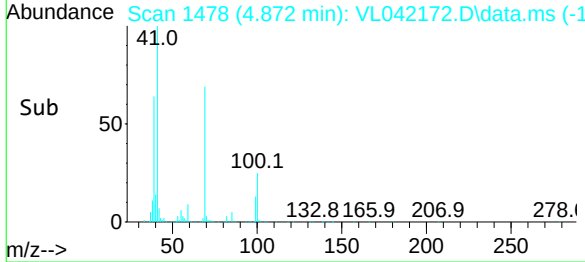
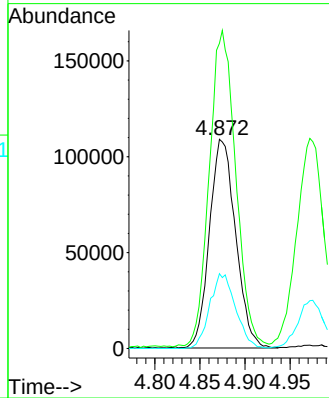
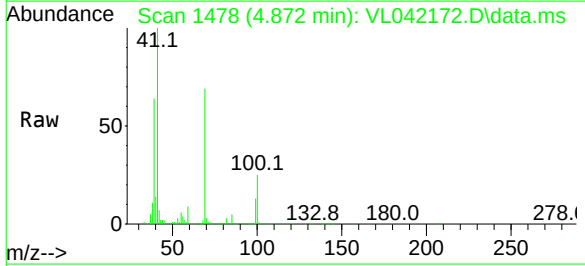
#43
Methyl Methacrylate
Concen: 9.618 ppbv
RT: 4.872 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

Tgt Ion:	69	Resp:	219399
Ion	Ratio	Lower	Upper
69	100		
41	154.7	123.8	185.6
100	35.5	28.4	42.6

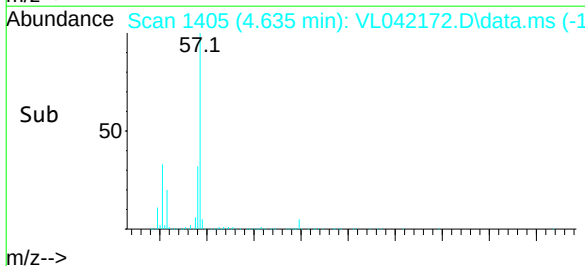
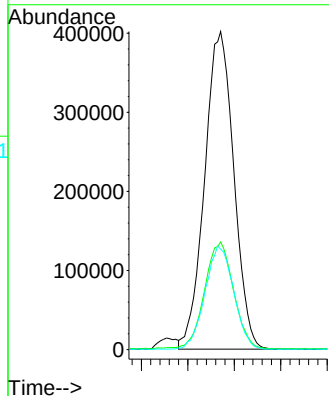
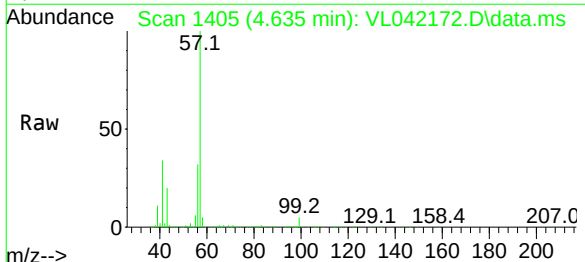
Manual Integrations
APPROVED

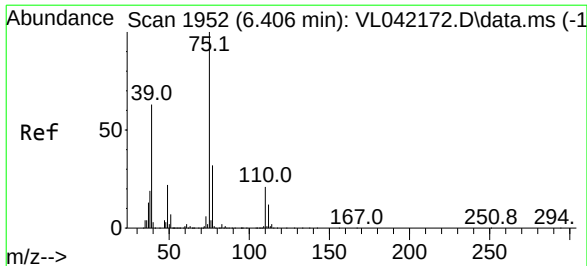
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 9.600 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:	57	Resp:	876649
Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.8	40.2
56	32.0	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 9.746 ppbv

RT: 6.406 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 75 Resp: 239180

Ion Ratio Lower Upper

75 100

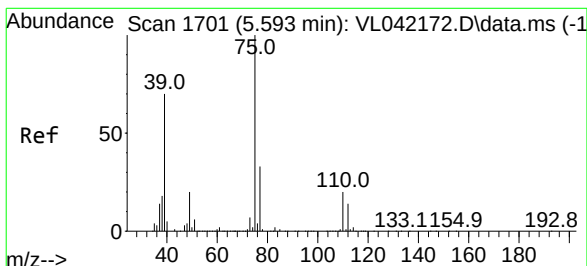
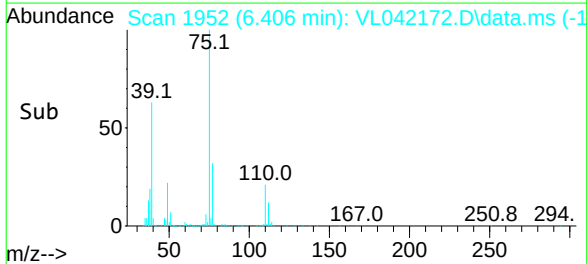
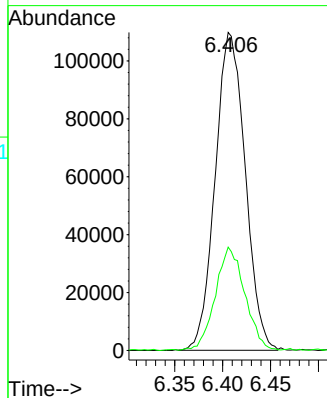
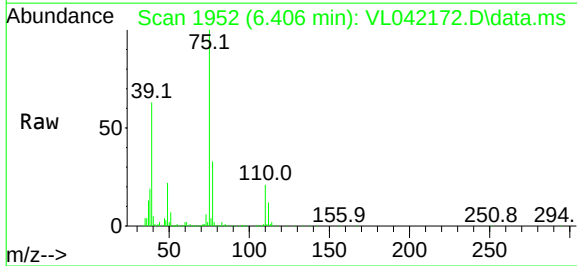
77 32.5 26.0 39.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 9.973 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

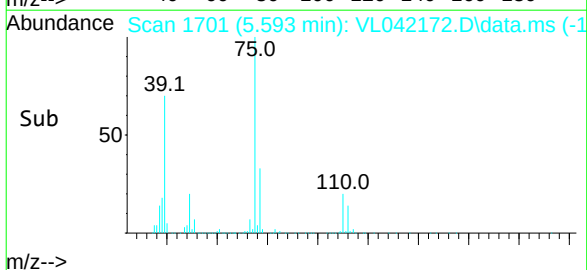
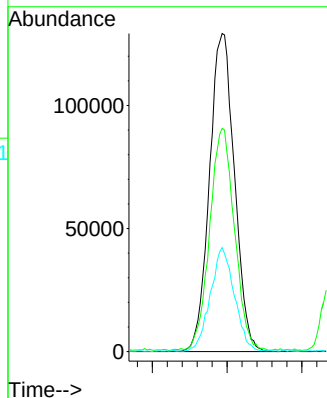
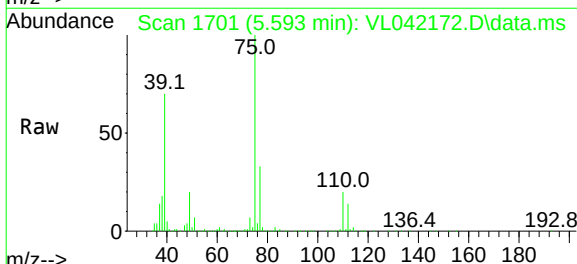
Tgt Ion: 75 Resp: 300021

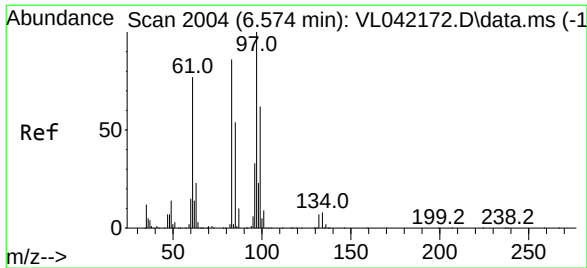
Ion Ratio Lower Upper

75 100

39 69.7 55.8 83.6

77 32.5 26.0 39.0





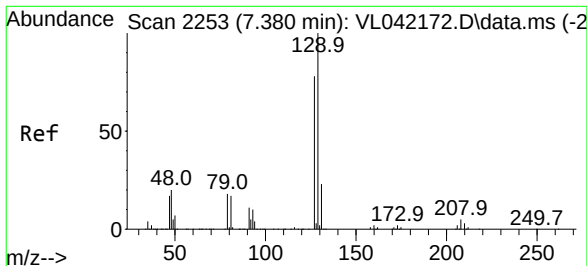
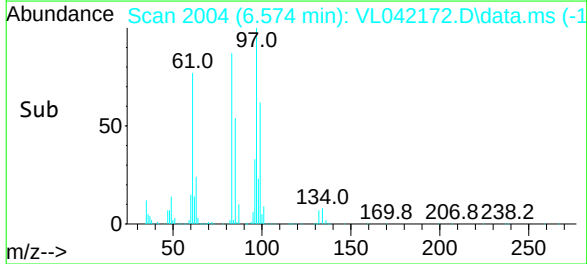
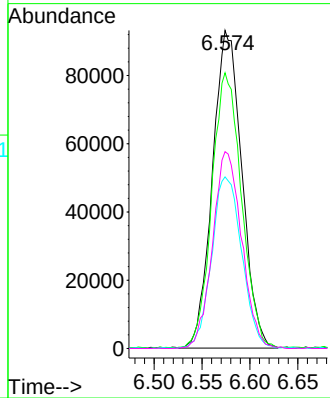
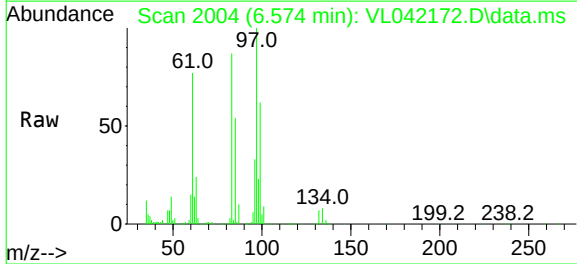
#47
1,1,2-Trichloroethane
Concen: 9.526 ppbv
RT: 6.574 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.2	103.8
85	53.9	43.1	64.7
99	61.8	49.4	74.2

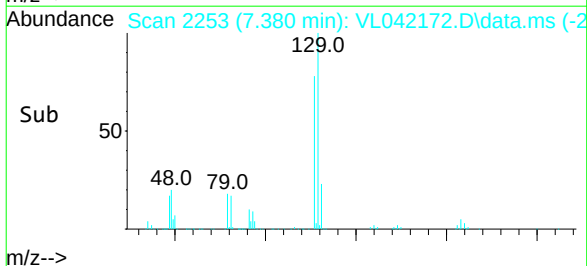
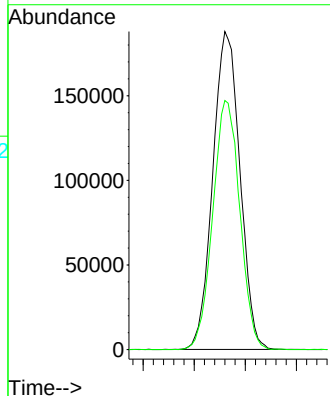
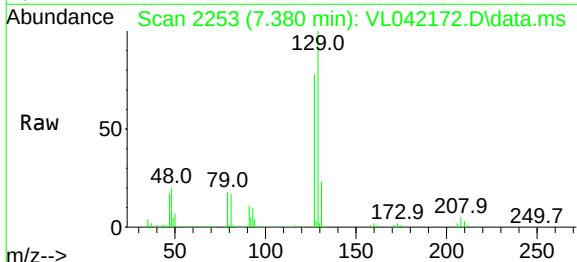
Manual Integrations
APPROVED

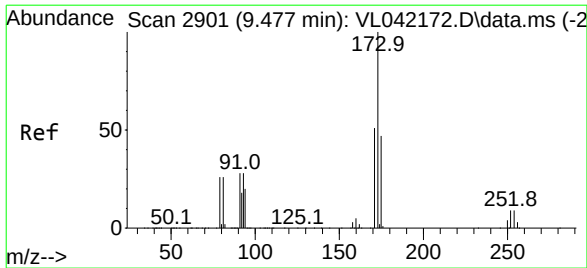
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 9.828 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





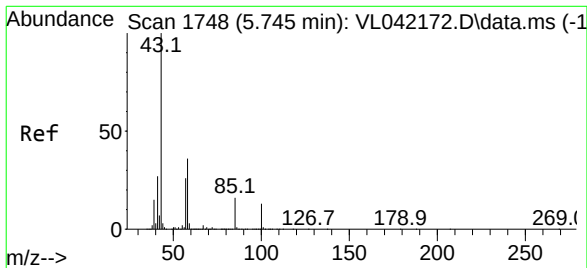
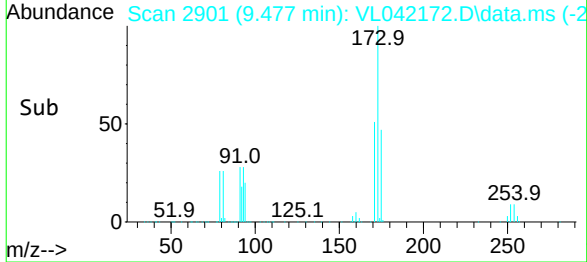
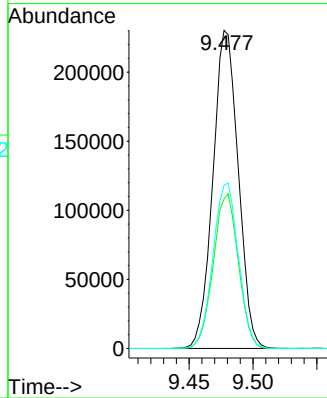
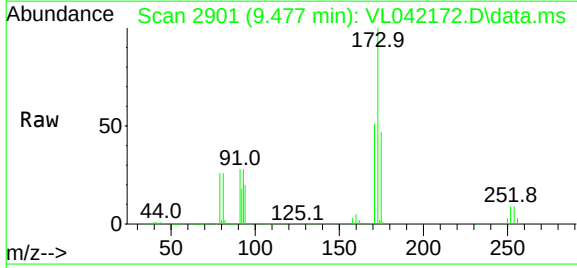
#49
Bromoform
Concen: 10.021 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 173 Resp: 317189
Ion Ratio Lower Upper
173 100
175 48.2 38.6 57.8
171 52.2 41.8 62.6

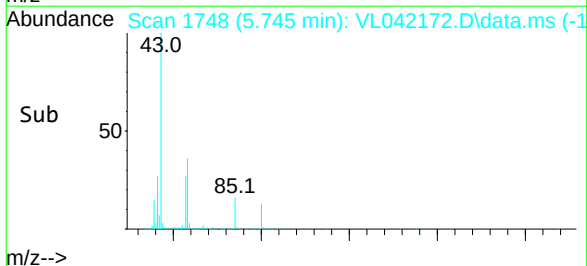
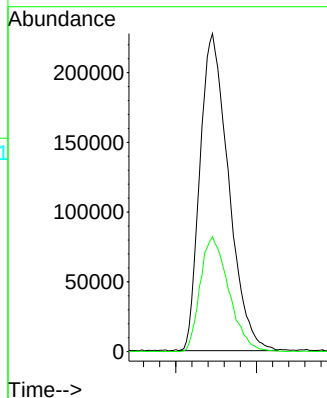
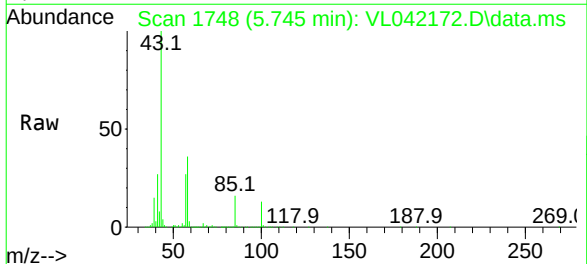
Manual Integrations
APPROVED

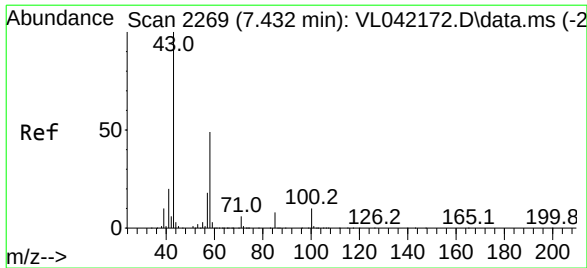
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 8.934 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 43 Resp: 559800
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6





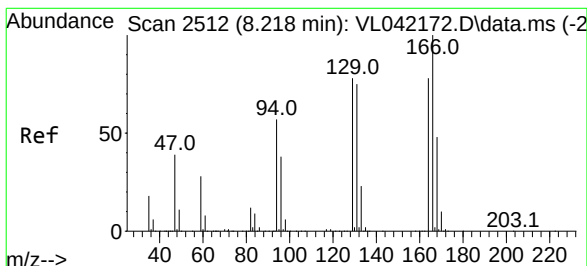
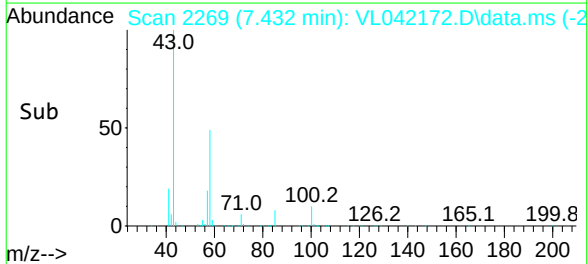
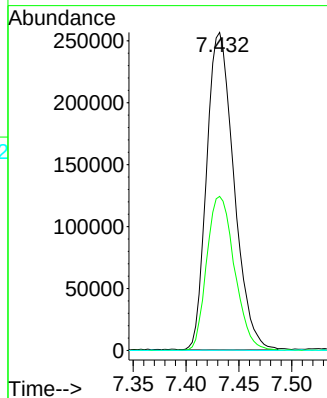
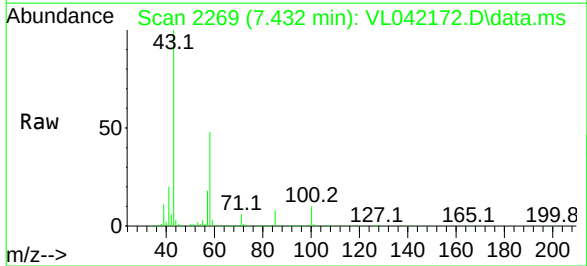
#51
2-Hexanone
Concen: 8.848 ppbv
RT: 7.432 min Scan# 2269
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 460013
Ion Ratio Lower Upper
43 100
58 49.6 39.7 59.5
98 0.1 0.1 0.1

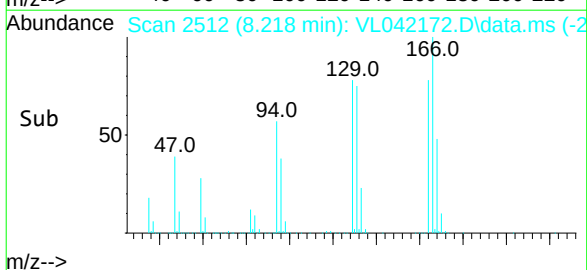
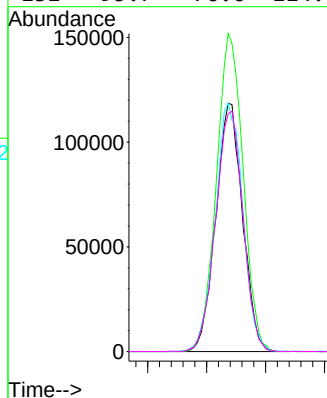
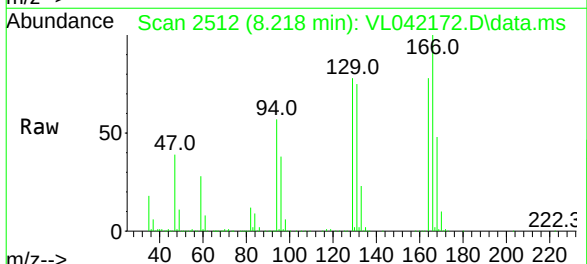
Manual Integrations
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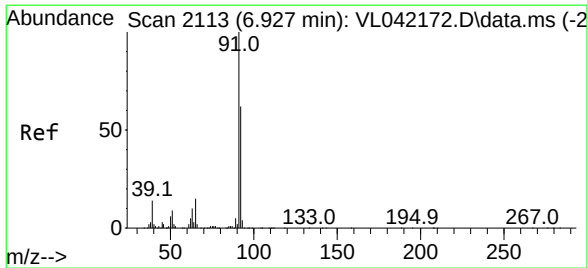
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 8.722 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion:164 Resp: 186912
Ion Ratio Lower Upper
164 100
166 128.1 102.5 153.7
129 99.8 79.8 119.8
131 95.7 76.6 114.8





#53

Toluene

Concen: 9.576 ppbv

RT: 6.927 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 613378

Ion Ratio Lower Upper

91 100

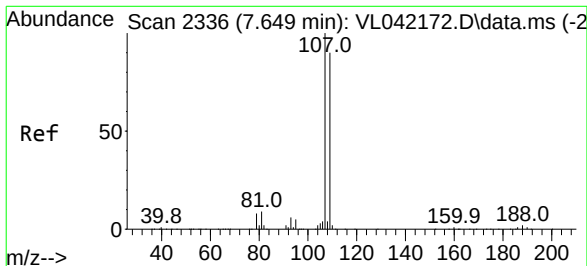
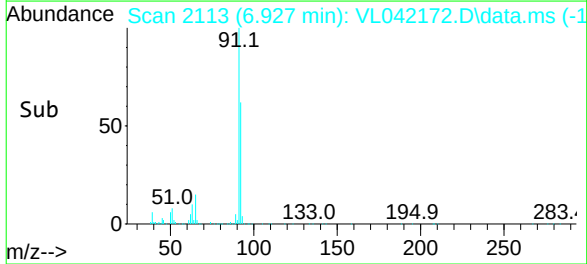
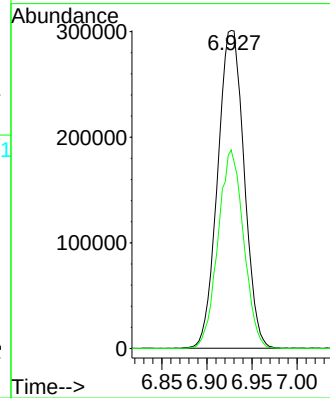
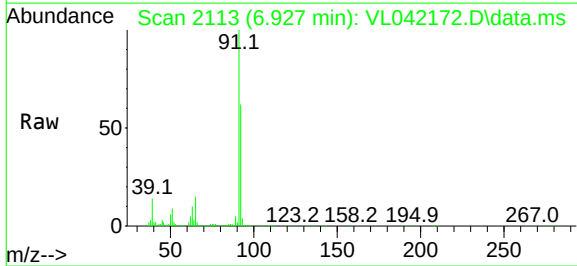
92 60.5 48.4 72.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 9.536 ppbv

RT: 7.649 min Scan# 2336

Delta R.T. 0.000 min

Lab File: VL042172.D

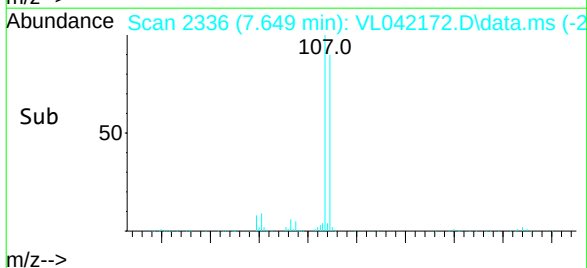
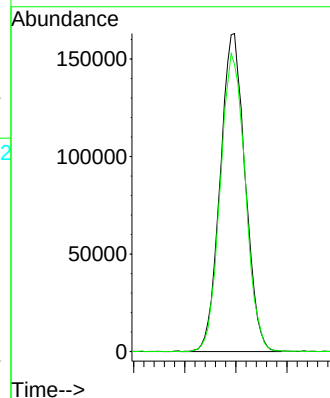
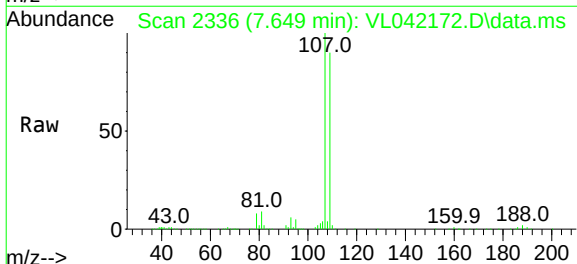
Acq: 27 Mar 2025 08:26

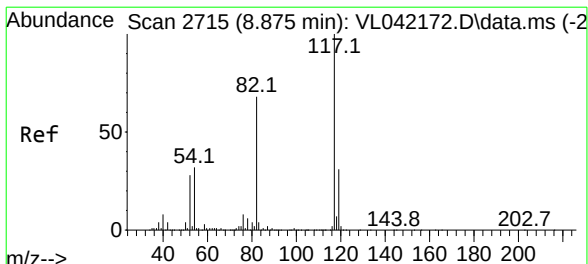
Tgt Ion:107 Resp: 276797

Ion Ratio Lower Upper

107 100

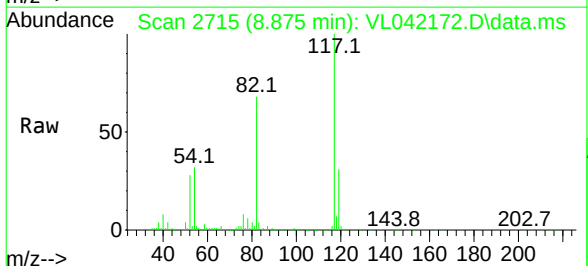
109 90.3 72.2 108.4





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.875 min Scan# 2715
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

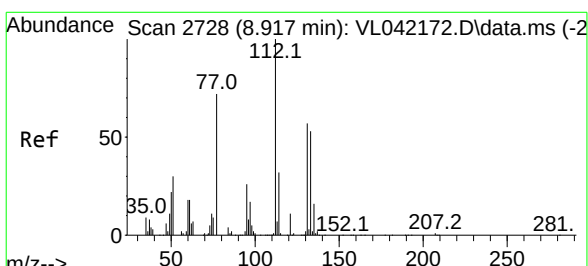
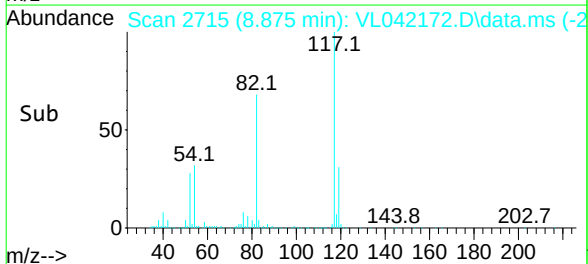
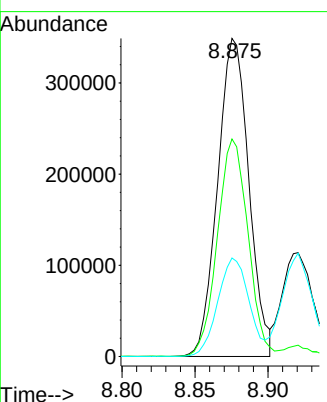
Instrument : MSVOA_L
 ClientSampleId : VSTDICCC010



Tgt Ion: 117 Resp: 519536

Ion	Ratio	Lower	Upper
117	100		
82	69.7	55.8	83.6
119	31.9	25.5	38.3

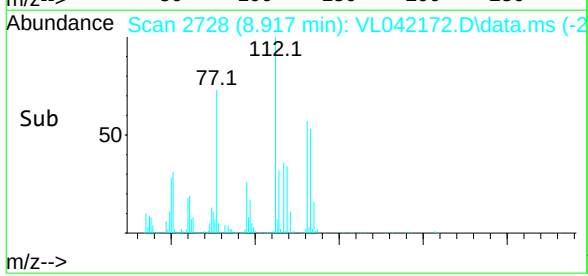
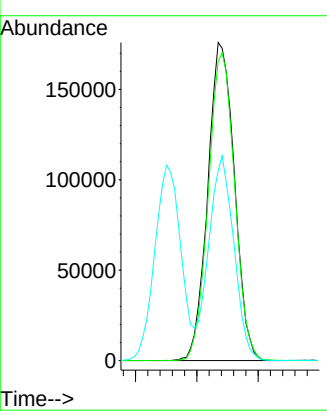
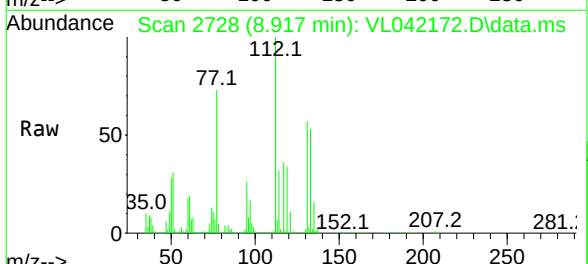
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 Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

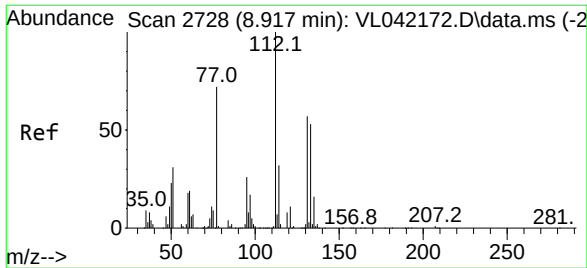


#56
 1,1,1,2-Tetrachloroethane
 Concen: 9.268 ppbv
 RT: 8.917 min Scan# 2728
 Delta R.T. 0.000 min
 Lab File: VL042172.D
 Acq: 27 Mar 2025 08:26

Tgt Ion: 131 Resp: 265037

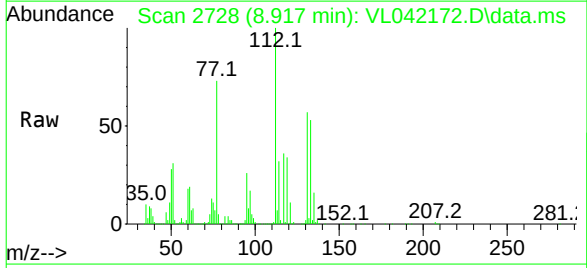
Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.6	114.8
119	62.2	49.8	74.6





#57
Chlorobenzene
Concen: 9.223 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

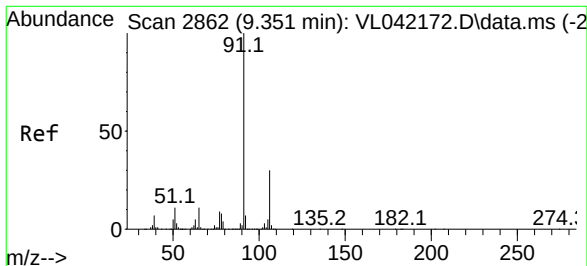
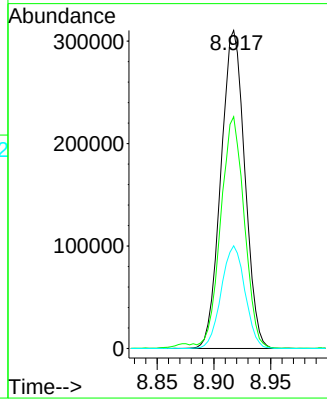
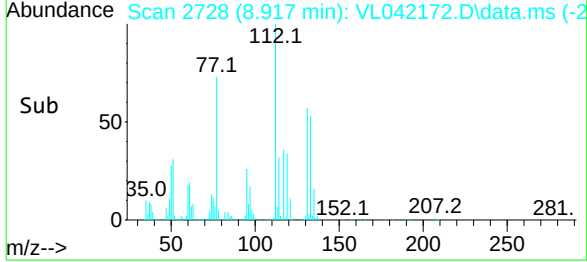
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 112 Resp: 454511
Ion Ratio Lower Upper
112 100
77 72.7 58.2 87.2
114 32.3 29.1 35.5

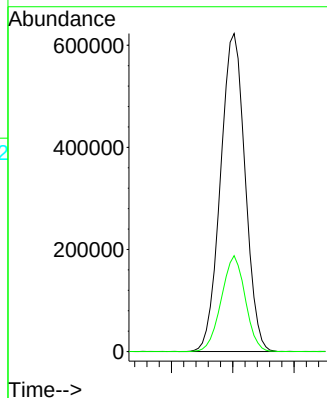
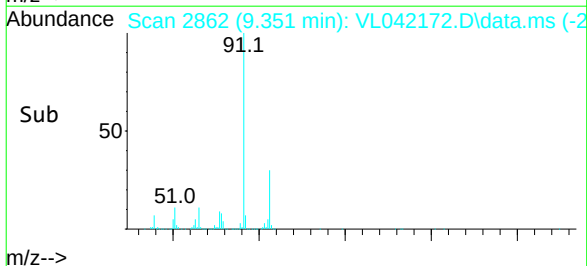
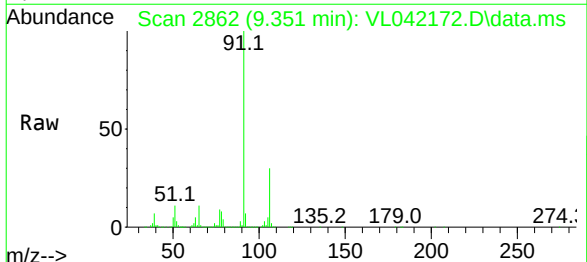
Manual Integrations
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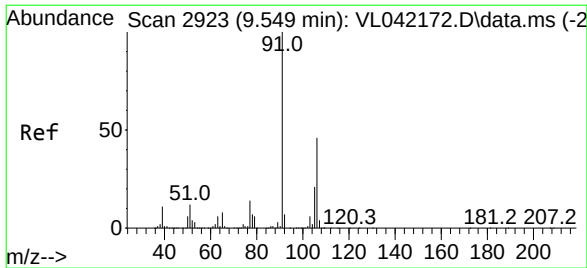
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 9.406 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 868003
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2





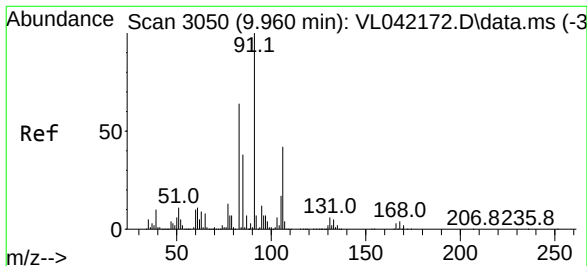
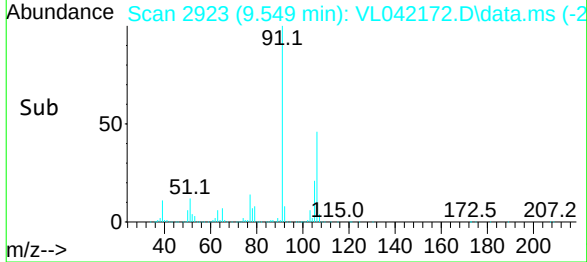
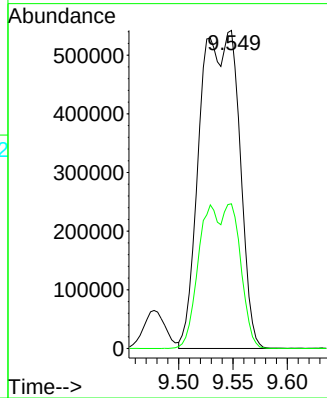
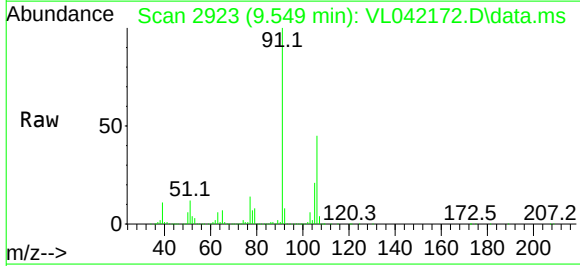
#59
m/p-Xylene
Concen: 18.607 ppbv m
RT: 9.549 min Scan# 2923
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 1372806
Ion Ratio Lower Upper
91 100
106 45.5 36.4 54.6

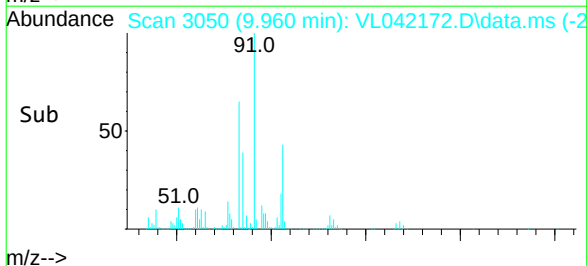
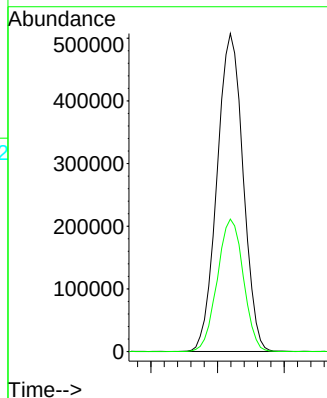
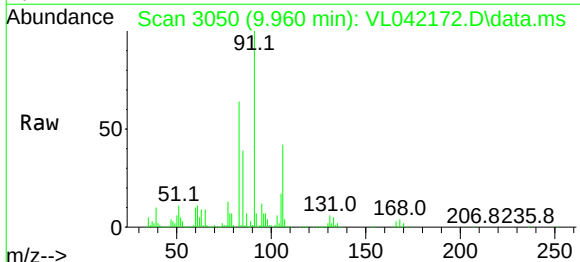
Manual Integrations
APPROVED

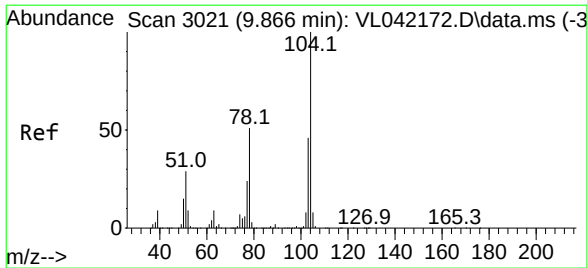
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 9.340 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 689933
Ion Ratio Lower Upper
91 100
106 41.7 20.8 62.5





#61

Styrene

Concen: 9.706 ppbv

RT: 9.866 min Scan# 3021

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

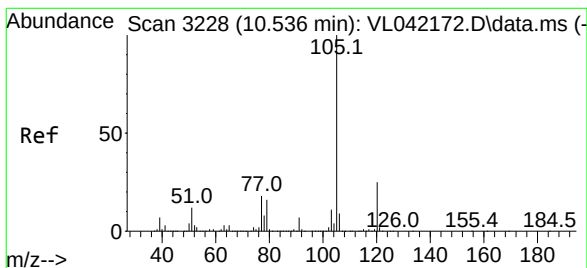
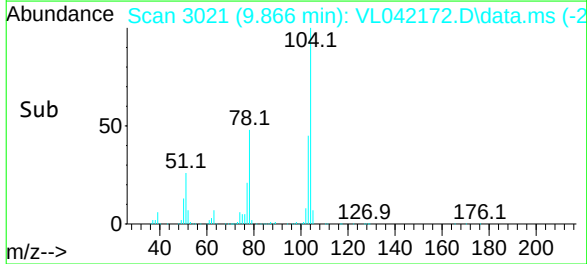
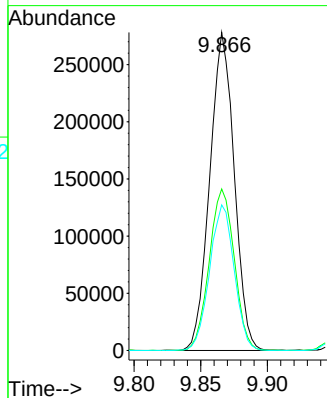
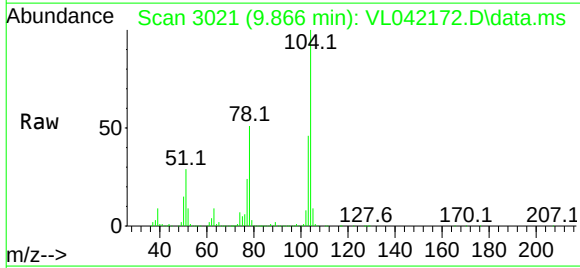
ClientSampleId :

VSTDICCC010

Tgt Ion:	104	Resp:	354697
Ion	Ratio	Lower	Upper
104	100		
78	52.2	41.8	62.6
103	46.2	37.0	55.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62

Isopropylbenzene

Concen: 9.227 ppbv

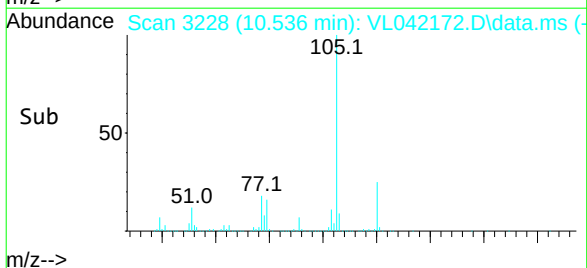
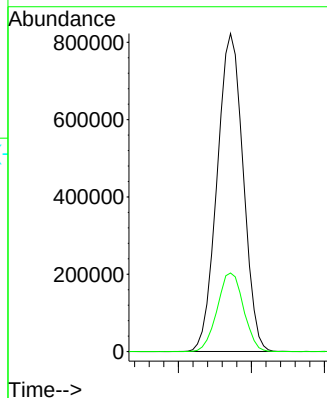
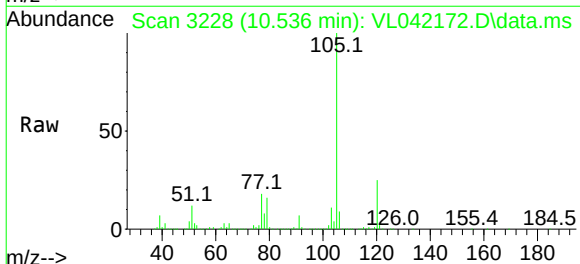
RT: 10.536 min Scan# 3228

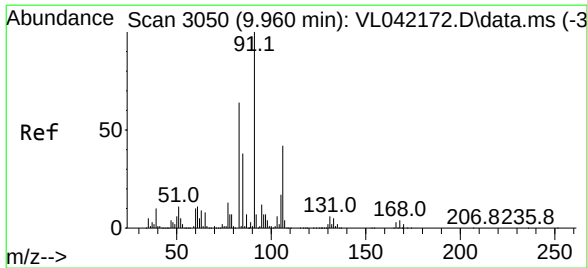
Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Tgt Ion:	105	Resp:	1019255
Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.9	29.9





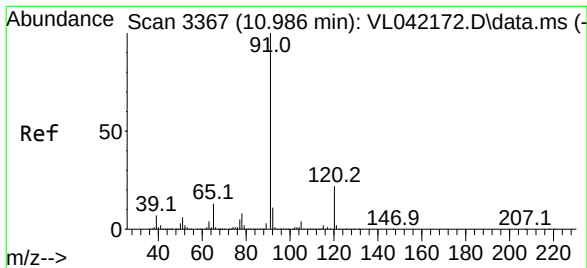
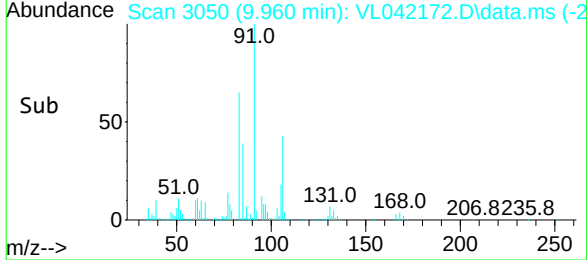
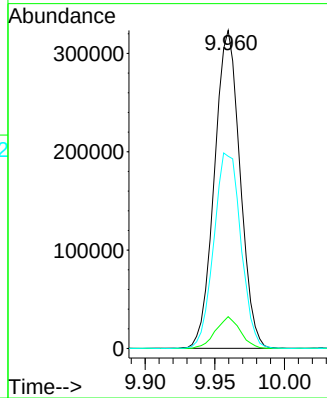
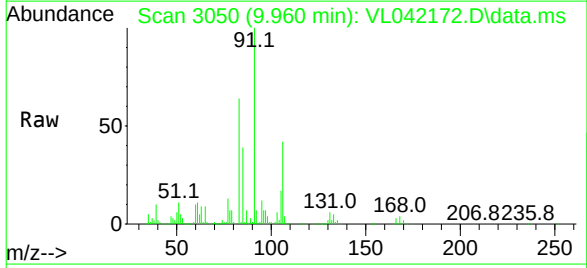
#63
1,1,2,2-Tetrachloroethane
Concen: 9.210 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 413392
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 65.0 32.5 97.5

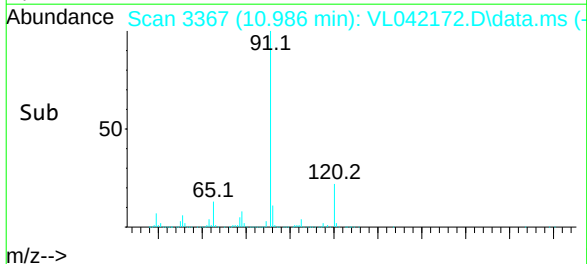
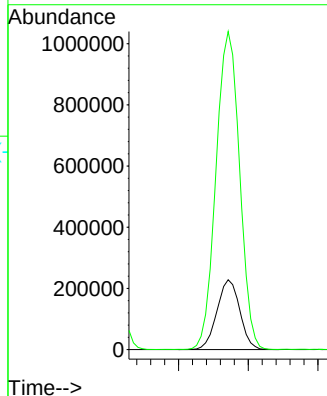
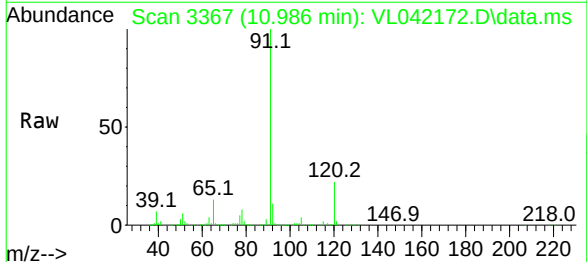
Manual Integrations
APPROVED

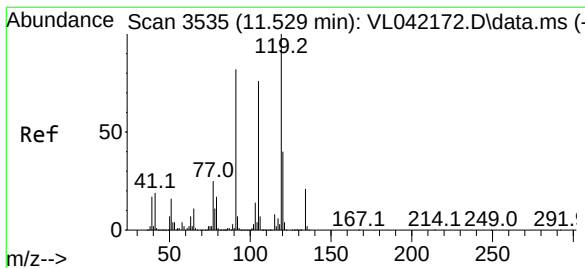
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 9.122 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

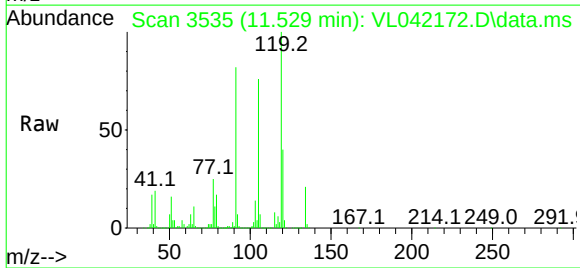
Tgt Ion:120 Resp: 259405
Ion Ratio Lower Upper
120 100
91 471.1 376.9 565.3





#65
tert-Butylbenzene
Concen: 8.828 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

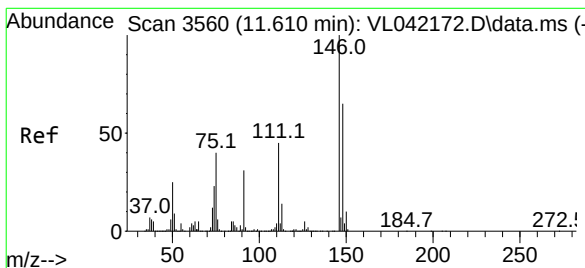
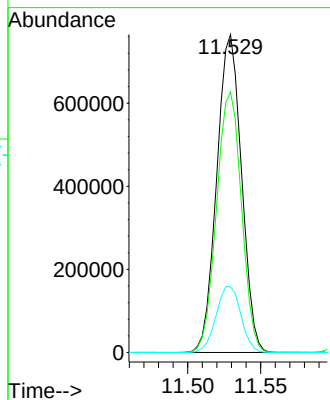
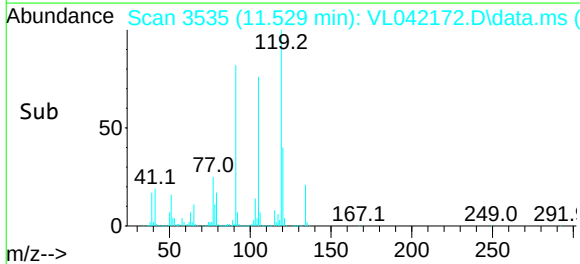
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010



Tgt Ion: 119 Resp: 901951
Ion Ratio Lower Upper
119 100
91 82.5 66.0 99.0
134 20.9 16.7 25.1

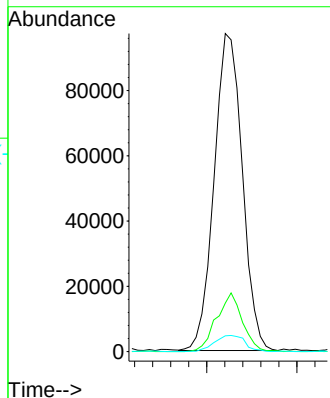
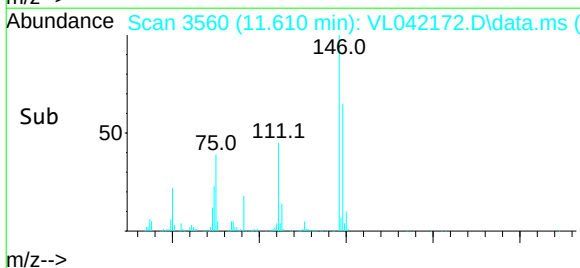
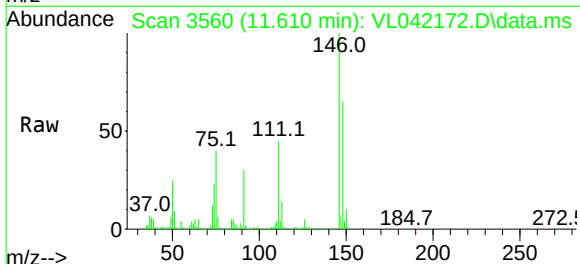
Manual Integrations
APPROVED

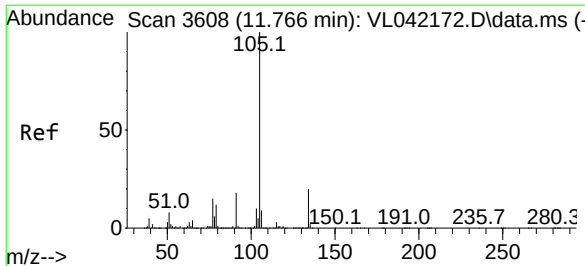
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66
Benzyl Chloride
Concen: 9.724 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

Tgt Ion: 91 Resp: 105411
Ion Ratio Lower Upper
91 100
126 17.2 13.8 20.6
128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.796 ppbv

RT: 11.766 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 1249106

Ion Ratio Lower Upper

105 100

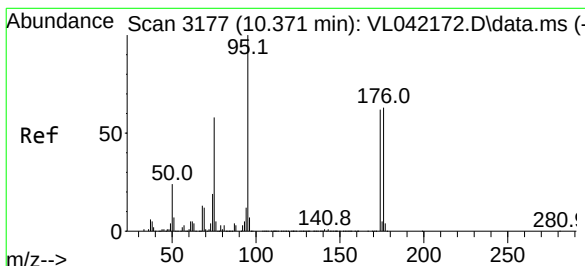
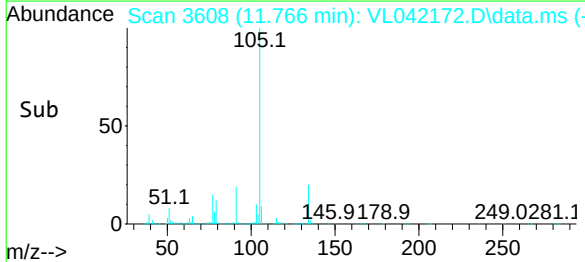
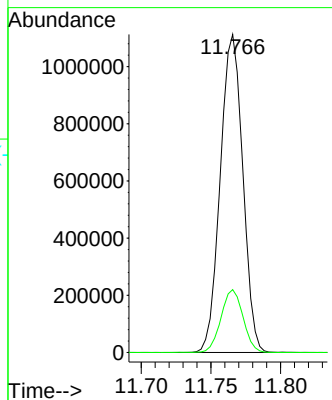
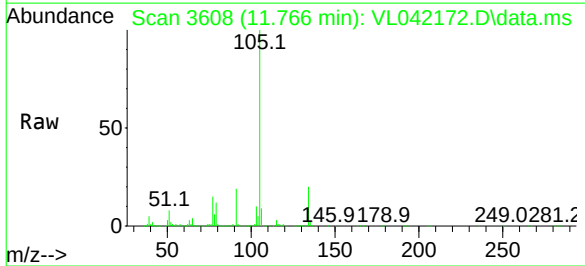
134 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.901 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

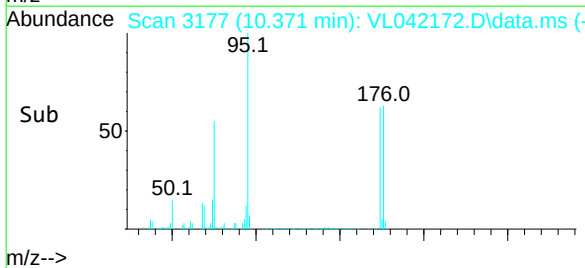
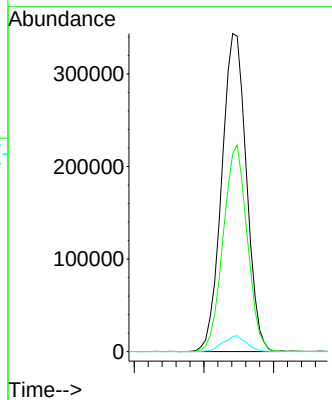
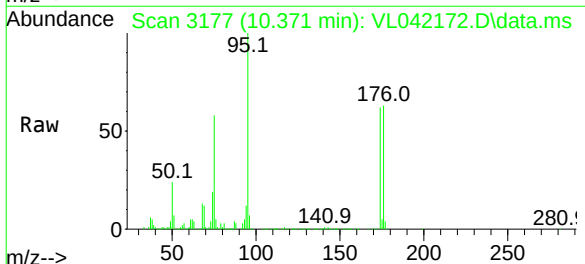
Tgt Ion: 95 Resp: 422410

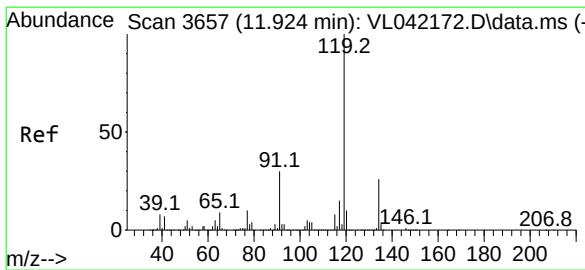
Ion Ratio Lower Upper

95 100

174 63.3 50.6 76.0

175 4.7 3.8 5.6





#69

p-Isopropyltoluene

Concen: 8.830 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 119 Resp: 1079675

Ion Ratio Lower Upper

119 100

134 25.5 20.4 30.6

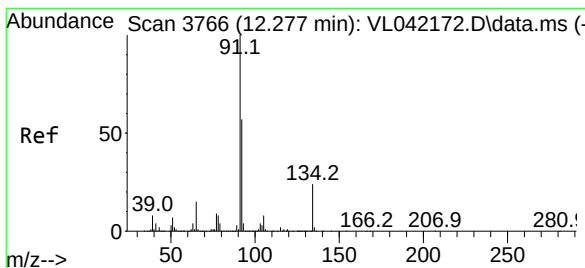
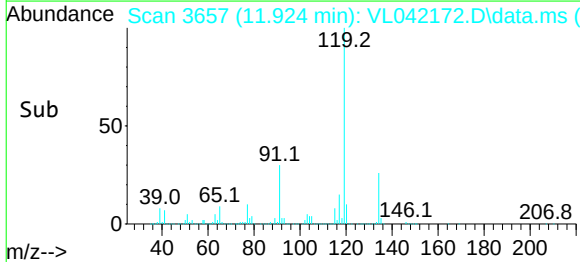
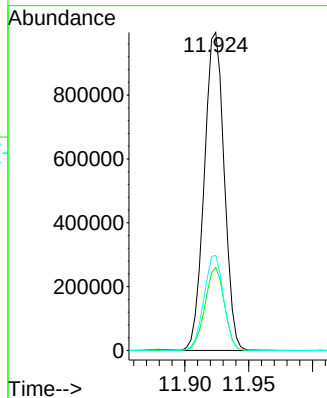
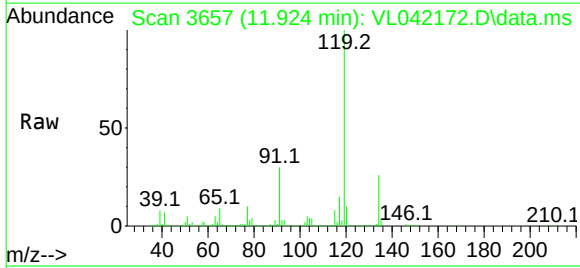
91 29.6 23.7 35.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#70

n-Butylbenzene

Concen: 8.879 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

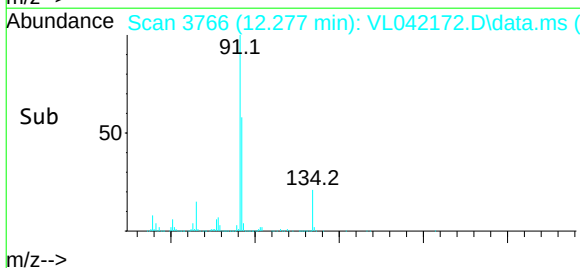
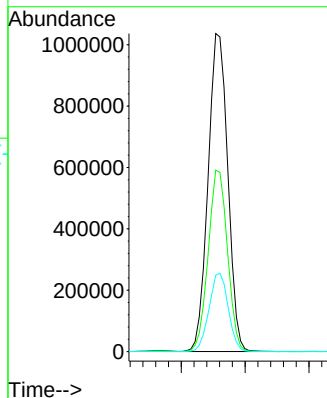
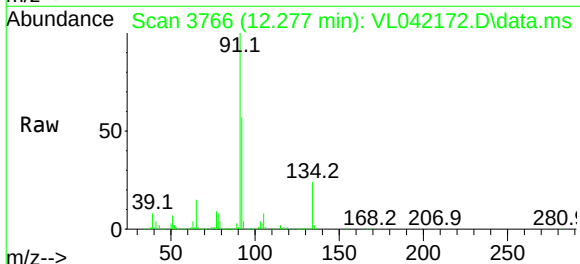
Tgt Ion: 91 Resp: 1110351

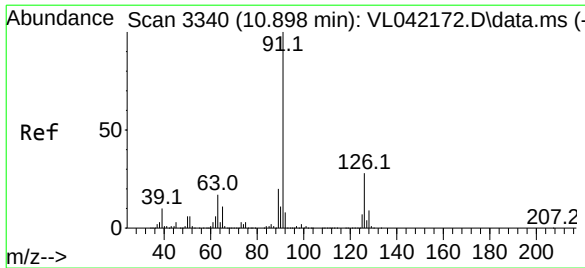
Ion Ratio Lower Upper

91 100

92 56.1 44.9 67.3

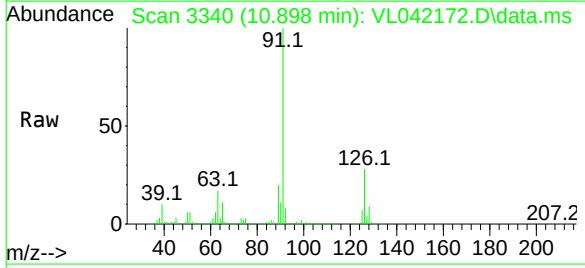
134 24.0 19.2 28.8





#71
2-Chlorotoluene
Concen: 9.320 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

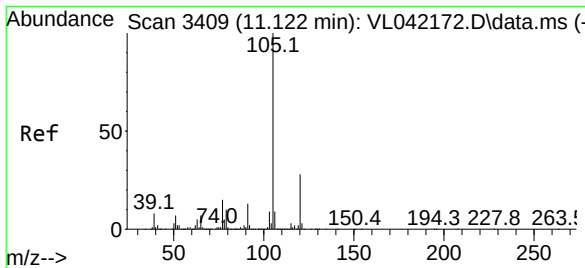
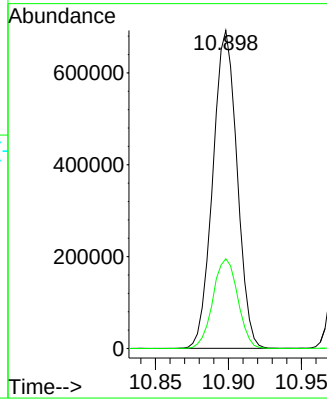
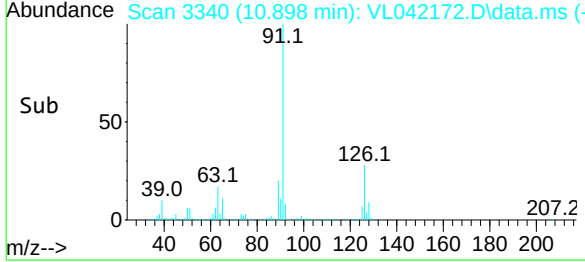
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



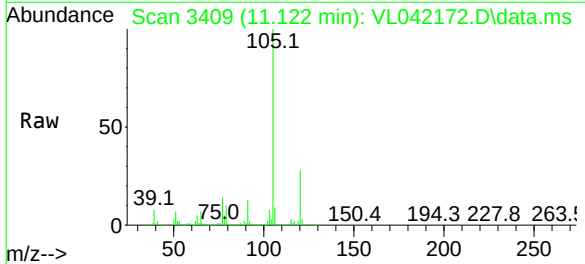
Tgt Ion: 91 Resp: 799102
Ion Ratio Lower Upper
91 100
126 29.0 11.6 46.4

Manual Integrations
APPROVED

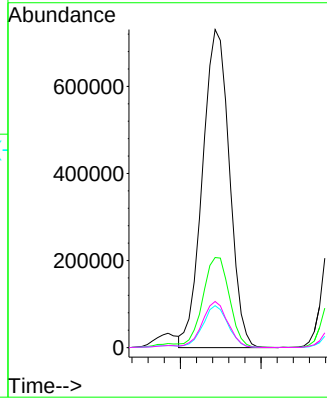
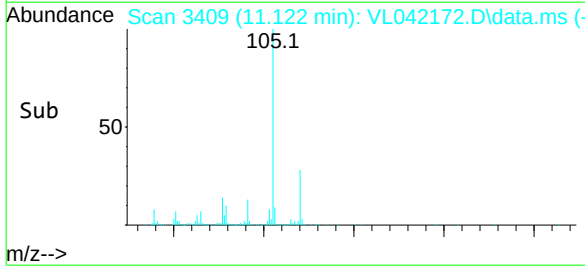
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

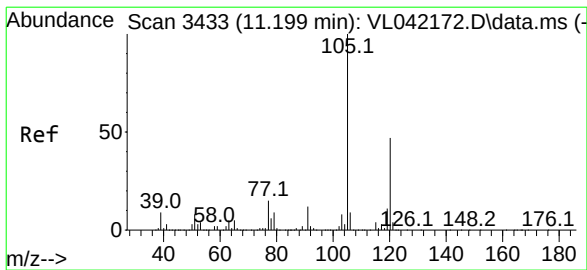


#72
4-Ethyltoluene
Concen: 9.200 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26



Tgt Ion:105 Resp: 846232
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.0
91 12.9 10.3 15.5
77 14.3 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 8.970 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 720566

Ion Ratio Lower Upper

105 100

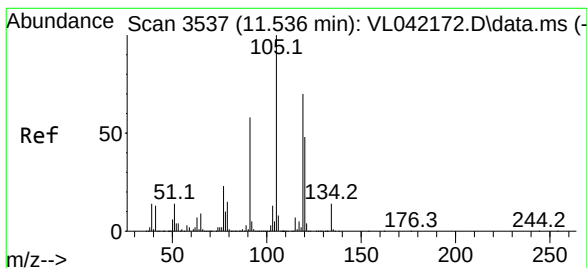
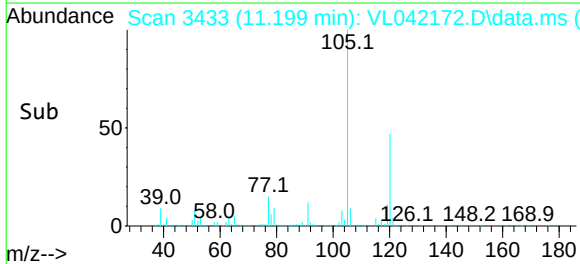
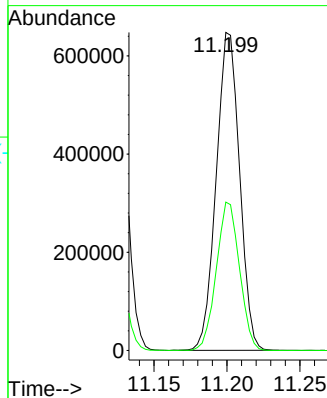
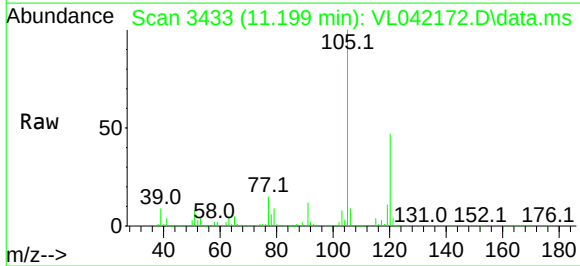
120 46.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.480 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Tgt Ion:105 Resp: 784745

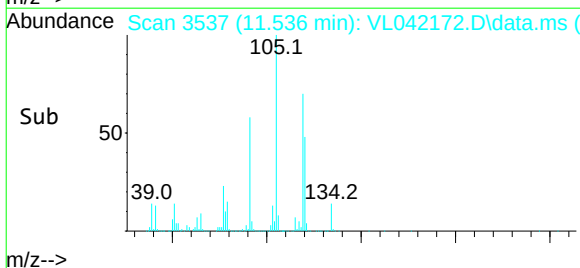
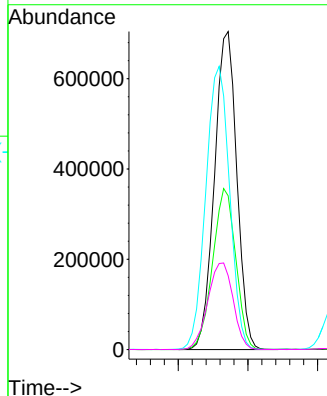
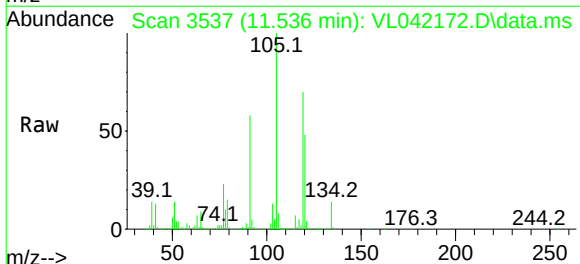
Ion Ratio Lower Upper

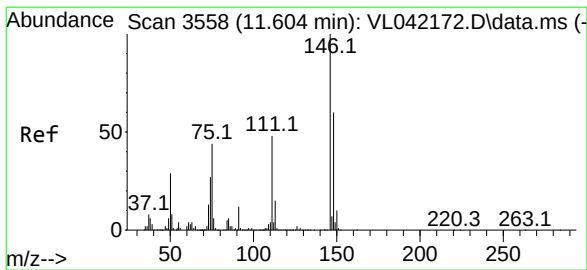
105 100

120 48.3 38.6 58.0

91 57.7 46.2 69.2

77 23.2 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 9.028 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

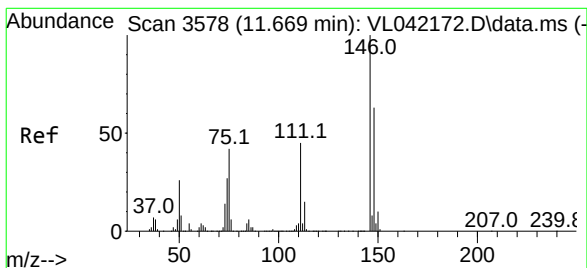
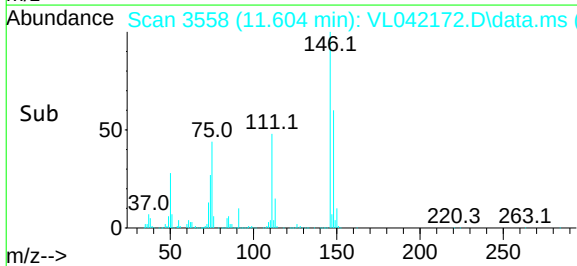
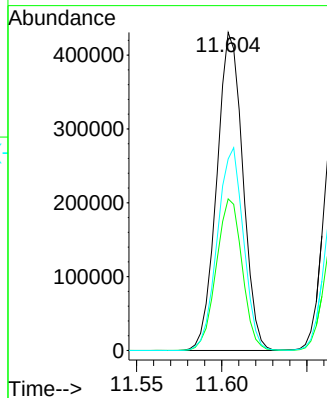
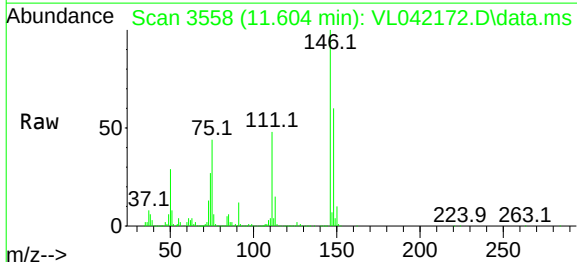
VSTDICCC010

Tgt Ion:	146	Resp:	458226
Ion Ratio	Lower	Upper	
146	100		
111	47.5	23.8	71.2
148	63.9	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 9.134 ppbv

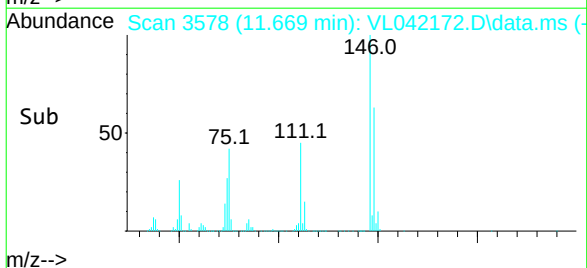
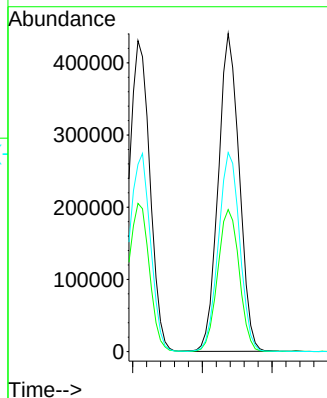
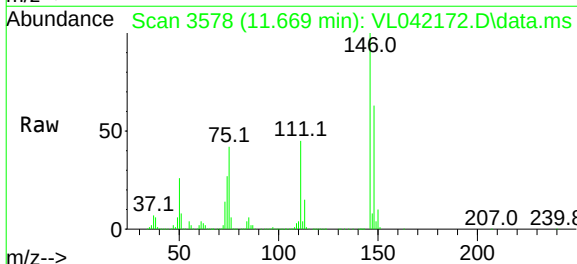
RT: 11.669 min Scan# 3578

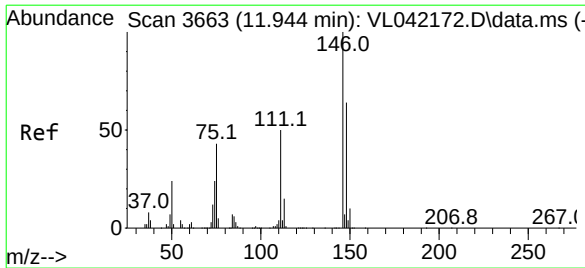
Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Tgt Ion:	146	Resp:	461371
Ion Ratio	Lower	Upper	
146	100		
111	46.0	23.0	69.0
148	63.8	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 8.933 ppbv

RT: 11.944 min Scan# 3663

Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

Instrument :

MSVOA_L

ClientSampleId :

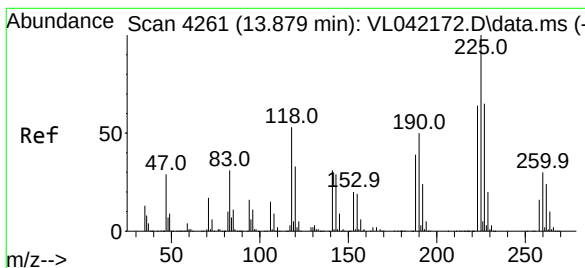
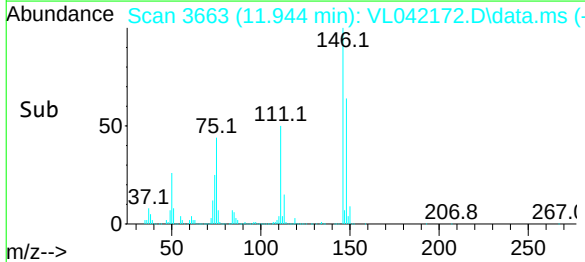
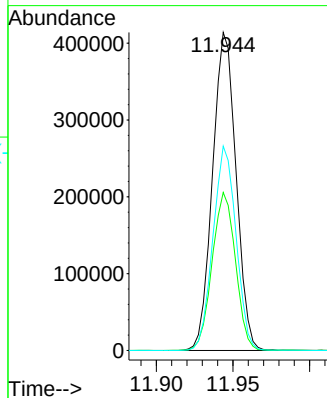
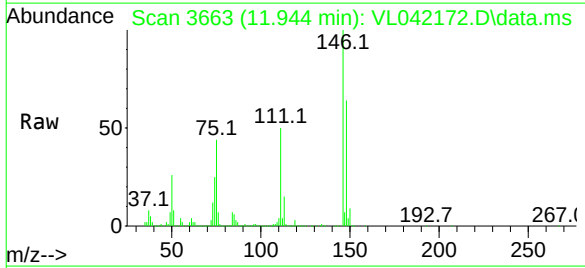
VSTDICCC010

Tgt Ion:	146	Resp:	441473
Ion Ratio	Lower	Upper	
146	100		
111	49.5	24.8	74.3
148	63.2	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.284 ppbv

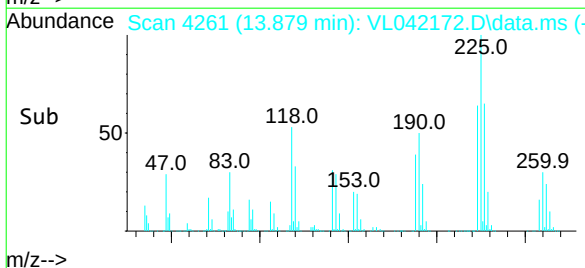
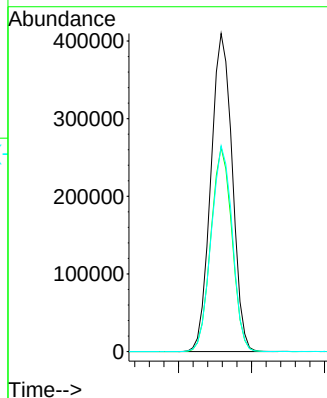
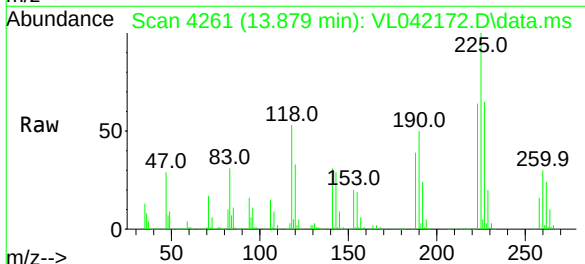
RT: 13.879 min Scan# 4261

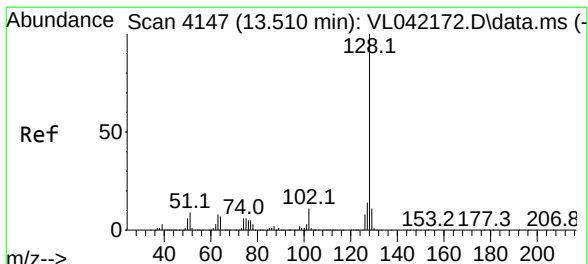
Delta R.T. 0.000 min

Lab File: VL042172.D

Acq: 27 Mar 2025 08:26

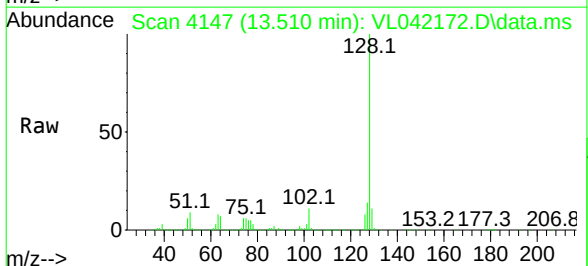
Tgt Ion:	225	Resp:	416735
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.6	76.0
227	64.0	51.2	76.8





#79
Naphthalene
Concen: 9.271 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

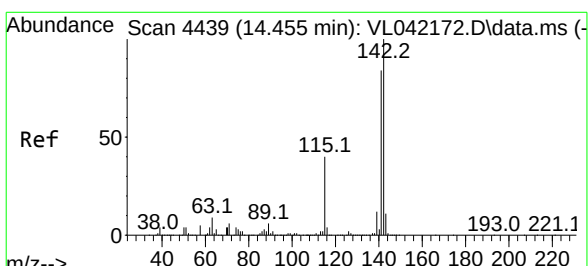
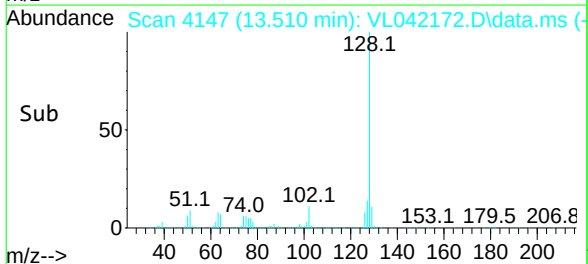
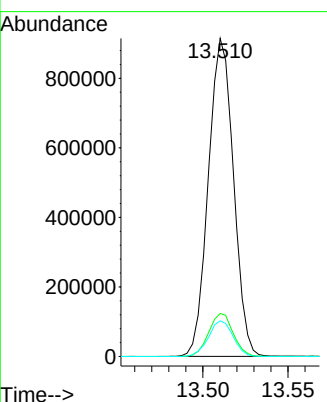
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010



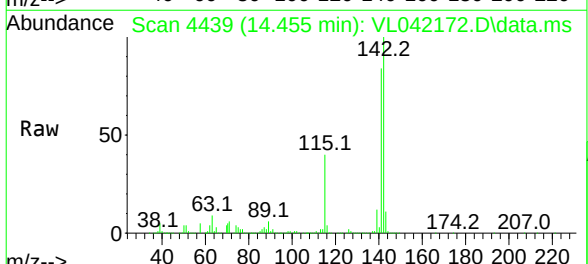
Tgt Ion: 128 Resp: 938476

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.2	9.0	13.4

Manual Integrations
APPROVED
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025

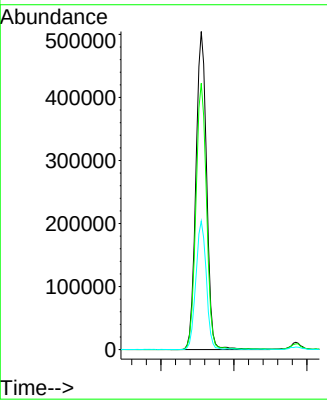
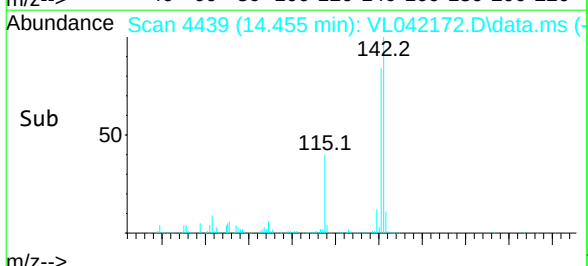


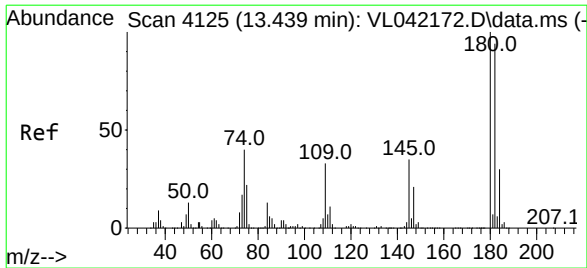
#80
Naphthalene, 2-methyl-
Concen: 10.436 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26



Tgt Ion: 142 Resp: 514394

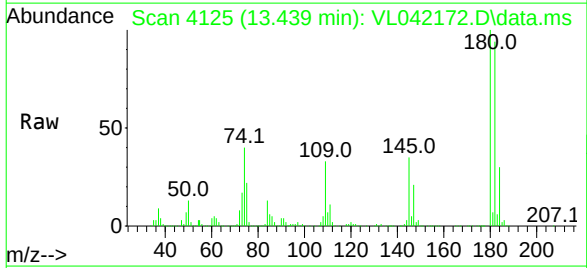
Ion	Ratio	Lower	Upper
142	100		
141	82.9	66.3	99.5
115	39.5	31.6	47.4





#81
1,2,4-Trichlorobenzene
Concen: 9.561 ppbv
RT: 13.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042172.D
Acq: 27 Mar 2025 08:26

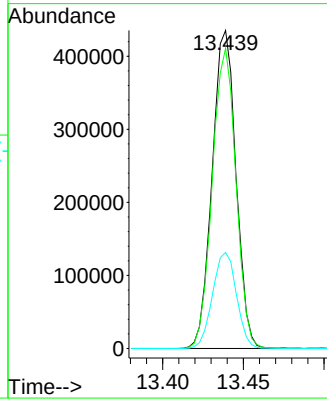
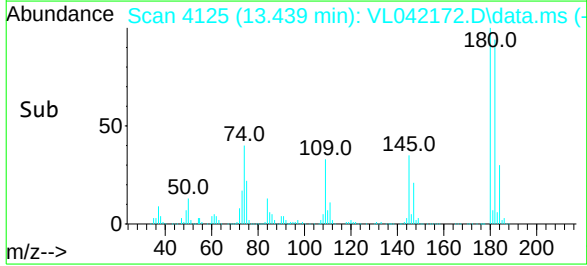
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:180 Resp: 446420
Ion Ratio Lower Upper
180 100
182 93.9 75.1 112.7
184 30.5 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042173.D
 Acq On : 27 Mar 2025 08:59
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:32:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	188395	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	546394	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	504538	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 417532 10.077 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	55859	2.008	ppbv	99
3) Chlorodifluoromethane	1.473	51	57045	2.007	ppbv	99
4) Chloromethane	1.531	50	23293	2.049	ppbv	94
5) Vinyl Chloride	1.576	62	21989	1.897	ppbv	99
6) Bromomethane	1.664	94	10027	1.946	ppbv	98
7) Chloroethane	1.703	64	8413	1.844	ppbv	92
8) Dichlorotetrafluoroethane	1.551	85	48008	2.027	ppbv	98
9) Propene	1.483	41	26295	2.054	ppbv	94
10) Heptane	4.972	43	71466	2.063	ppbv	99
11) Trichlorofluoromethane	1.874	101	55754	2.060	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	2.136	101	44761	2.012	ppbv	98
13) Ethanol	1.719	45	2748m	2.741	ppbv	
14) Bromoethene	1.780	108	17323	2.033	ppbv #	89
15) Acetone	1.832	43	55365	2.101	ppbv	95
16) 1,3-Butadiene	1.606	39	22894	1.932	ppbv	95
17) tert-Butyl alcohol	2.039	59	66174	2.016	ppbv	100
18) 1,1-Dichloroethene	2.030	96	21103	2.029	ppbv	95
19) Isopropyl Alcohol	1.884	45	27804	1.870	ppbv #	35
20) Methylene Chloride	2.059	84	20518	2.091	ppbv	96
21) Allyl Chloride	2.094	41	38425	2.068	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	23384	1.924	ppbv	92
23) Vinyl Acetate	2.460	43	20736	1.894	ppbv #	97
24) 1,1-Dichloroethane	2.405	63	44740	2.008	ppbv	99
25) Ethyl Acetate	2.832	43	139516	2.040	ppbv	99
26) Hexane	2.823	57	52095	1.972	ppbv	92
27) Carbon Disulfide	2.146	76	57969	2.047	ppbv #	76
28) Methyl tert-Butyl Ether	2.437	73	33703	2.049	ppbv	99
29) Chloroform	2.845	83	78043	2.019	ppbv	95
30) Cyclohexane	3.852	84	45641	1.989	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	53713	2.003	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	81070	1.833	ppbv	99
34) 2-Butanone	2.554	43	84157	2.124	ppbv	99
35) Carbon Tetrachloride	3.758	117	81735	1.944	ppbv	96
36) Benzene	3.651	78	110727	2.044	ppbv	97
37) 1,2-Dichloroethane	3.214	62	61476	1.982	ppbv	97
38) Trichloroethene	4.541	130	43501	1.924	ppbv	97
39) 1,2-Dichloropropane	4.308	63	39912	2.023	ppbv	93
40) 1,4-Dioxane	4.587	88	20884m	2.040	ppbv	
41) Tetrahydrofuran	3.056	42	47262	2.097	ppbv	99
42) Bromodichloromethane	4.483	83	87640	2.050	ppbv	99
43) Methyl Methacrylate	4.878	69	44624	1.952	ppbv	97
44) 2,2,4-Trimethylpentane	4.632	57	188282	2.057	ppbv	100
45) t-1,3-Dichloropropene	6.406	75	49461	2.011	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042173.D
 Acq On : 27 Mar 2025 08:59
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:32:52 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

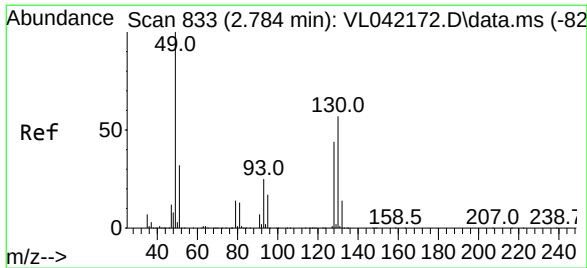
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

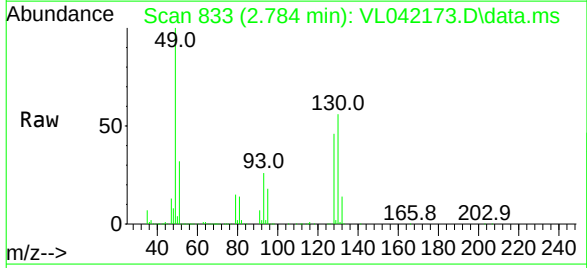
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	61829	2.050	ppbv #	91
47) 1,1,2-Trichloroethane	6.577	97	41387	1.985	ppbv	95
48) Dibromochloromethane	7.383	129	72441	2.050	ppbv	100
49) Bromoform	9.477	173	65221	2.056	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	132328	2.107	ppbv	99
51) 2-Hexanone	7.435	43	112681	2.162	ppbv #	99
52) Tetrachloroethene	8.221	164	40558	1.888	ppbv	98
53) Toluene	6.923	91	131314	2.045	ppbv	99
54) 1,2-Dibromoethane	7.648	107	56799	1.952	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.920	131	58141	2.093	ppbv	97
57) Chlorobenzene	8.914	112	100308	2.096	ppbv #	94
58) Ethyl Benzene	9.351	91	191114	2.132	ppbv	96
59) m/p-Xylene	9.548	91	299531m	4.181	ppbv	
60) o-Xylene	9.959	91	151292	2.109	ppbv	98
61) Styrene	9.865	104	74134	2.089	ppbv	98
62) Isopropylbenzene	10.535	105	228191	2.127	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	90114	2.067	ppbv	99
64) n-propylbenzene	10.985	120	58105	2.104	ppbv	92
65) tert-Butylbenzene	11.529	119	216336	2.180	ppbv	99
66) Benzyl Chloride	11.610	91	22272	2.116	ppbv	95
67) sec-Butylbenzene	11.762	105	297381	2.156	ppbv	99
69) p-Isopropyltoluene	11.921	119	258357	2.176	ppbv	100
70) n-Butylbenzene	12.277	91	270616	2.228	ppbv	99
71) 2-Chlorotoluene	10.898	91	177487	2.132	ppbv	100
72) 4-Ethyltoluene	11.121	105	194660	2.179	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	169221	2.169	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	198351	2.207	ppbv	96
75) 1,3-Dichlorobenzene	11.604	146	107217	2.175	ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	104925	2.139	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	102310	2.132	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	109539	2.242	ppbv	99
79) Naphthalene	13.510	128	233451	2.375	ppbv	97
80) Naphthalene,2-methyl-	14.455	142	117313	2.451	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	103765	2.288	ppbv	97

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

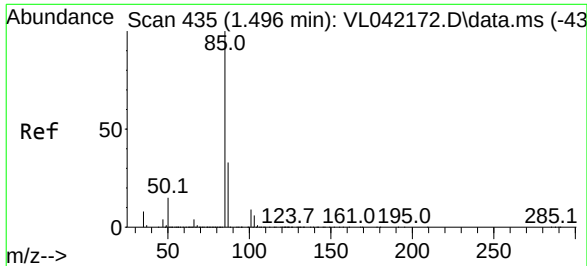
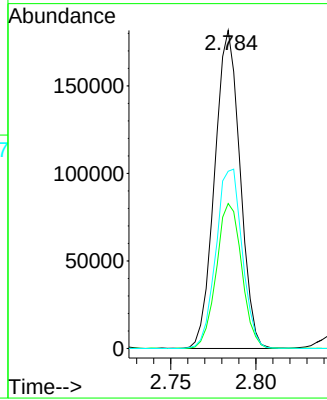
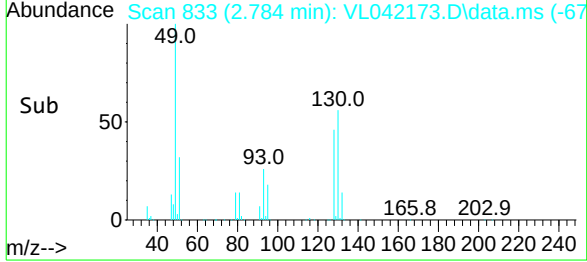
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 49 Resp: 188395
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 58.5 28.8 86.4

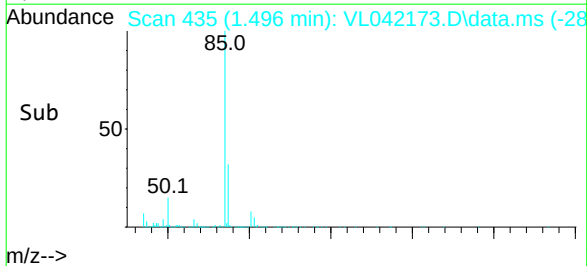
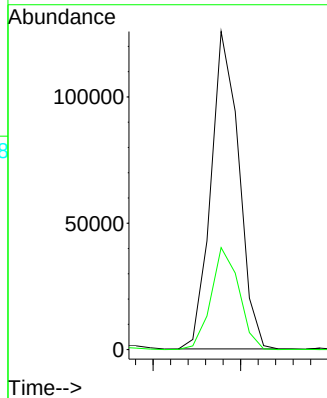
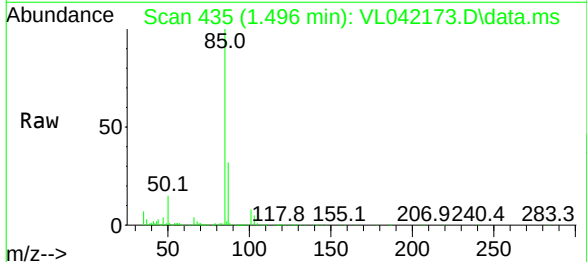
Manual Integrations
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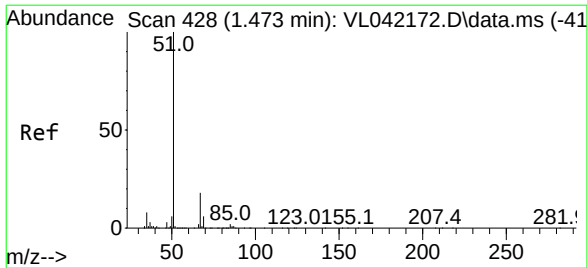
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#2
Dichlorodifluoromethane
Concen: 2.008 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 55859
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1





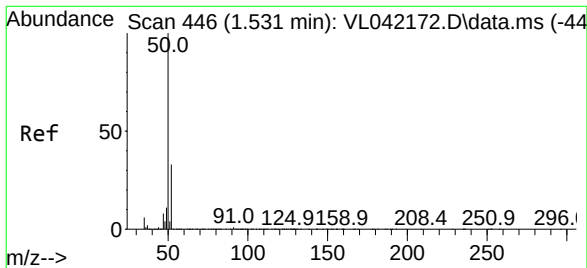
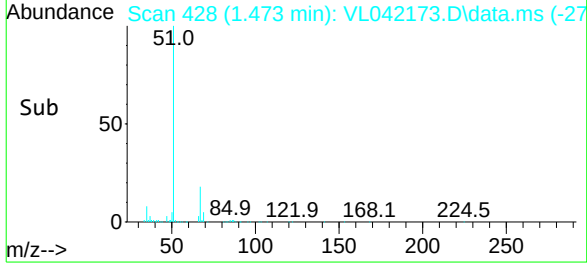
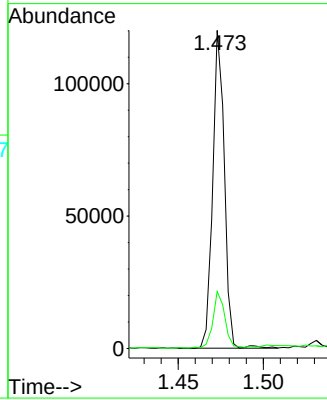
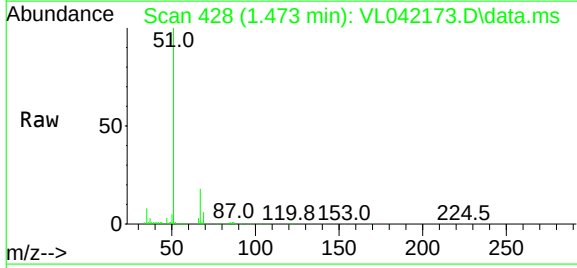
#3
Chlorodifluoromethane
Concen: 2.007 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 57045
Ion Ratio Lower Upper
51 100
67 19.4 15.0 22.6

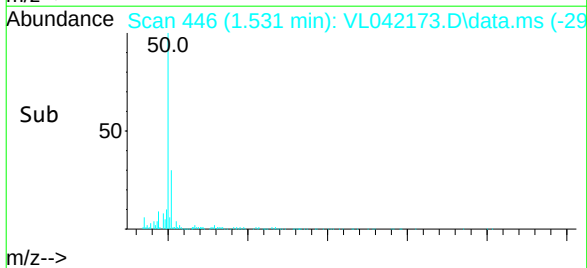
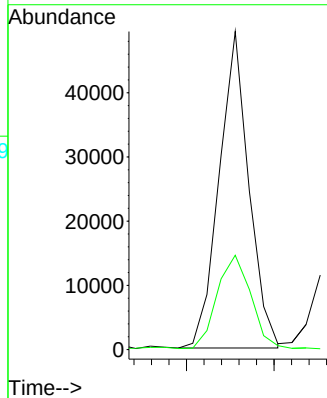
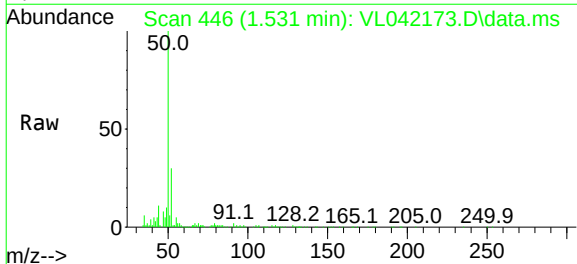
Manual Integrations
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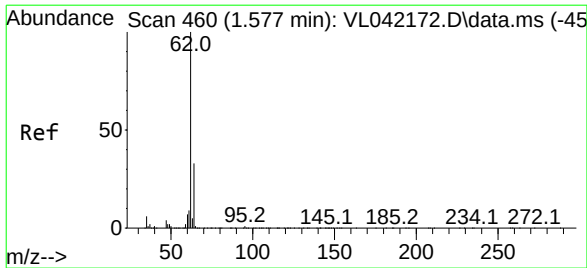
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 2.049 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 50 Resp: 23293
Ion Ratio Lower Upper
50 100
52 29.5 26.1 39.1





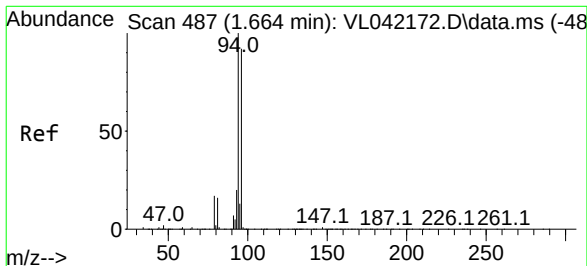
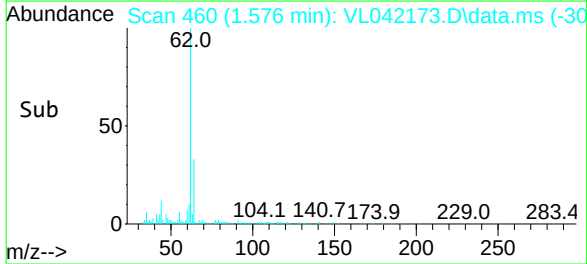
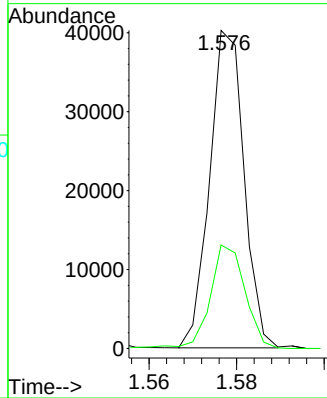
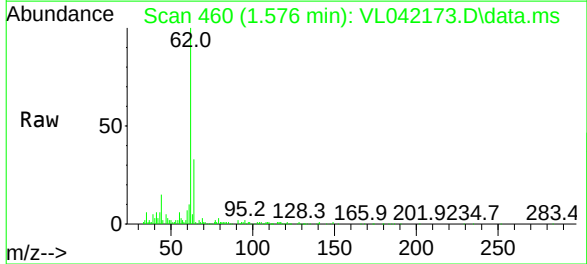
#5
 Vinyl Chloride
 Concen: 1.897 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Instrument : MSVOA_1
 ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 21989
 Ion Ratio Lower Upper
 62 100
 64 32.5 26.6 40.0

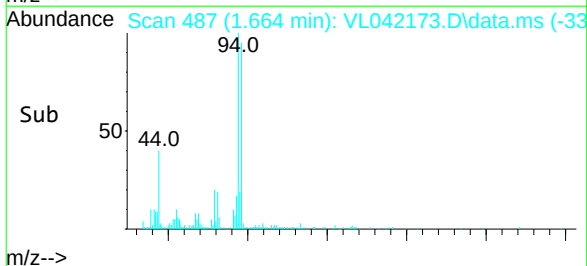
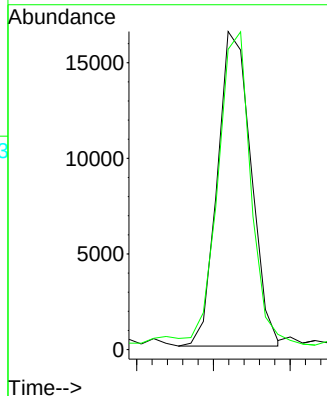
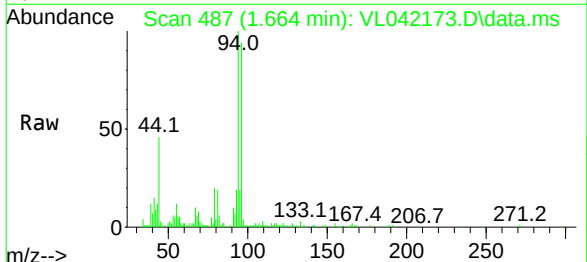
Manual Integrations
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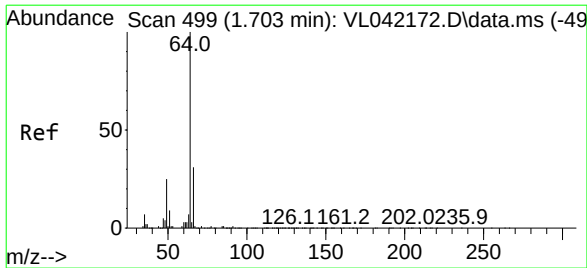
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 1.946 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion: 94 Resp: 10027
 Ion Ratio Lower Upper
 94 100
 96 93.6 73.1 109.7





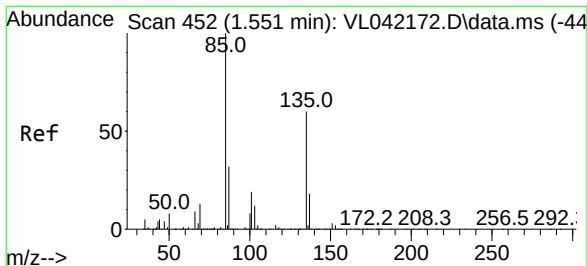
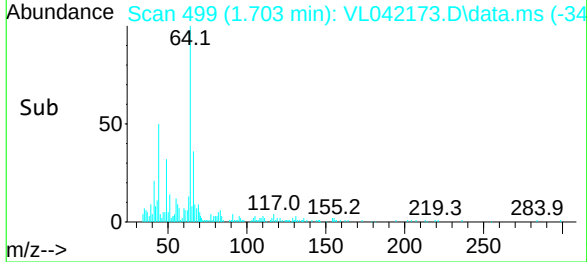
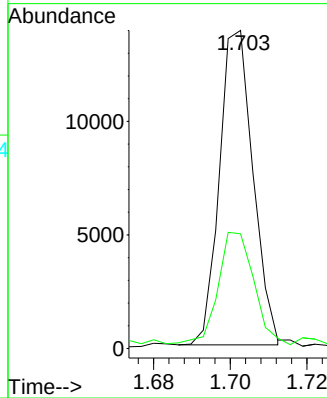
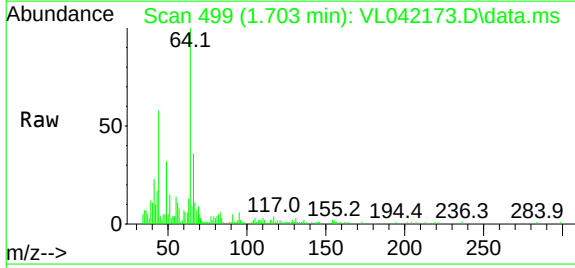
#7
Chloroethane
Concen: 1.844 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 64 Resp: 8413
Ion Ratio Lower Upper
64 100
66 36.1 25.2 37.8

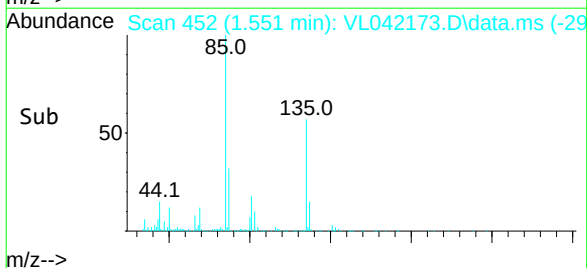
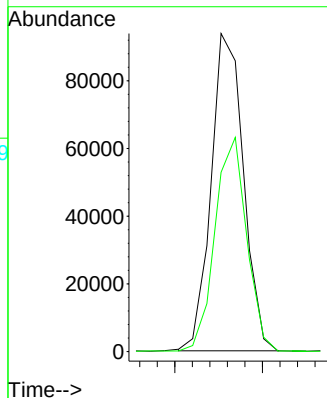
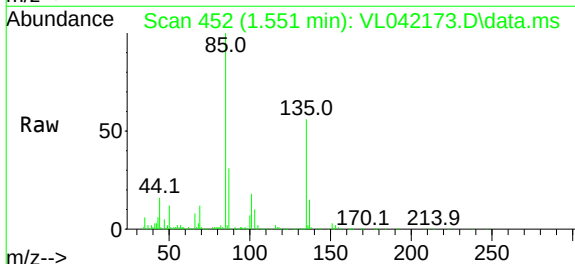
Manual Integrations
APPROVED

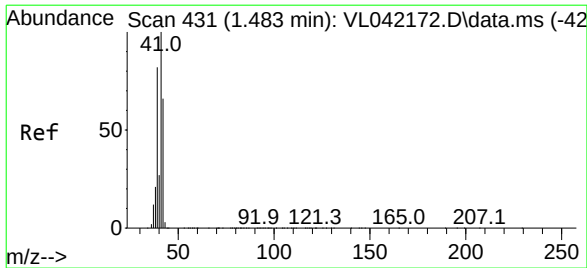
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 2.027 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

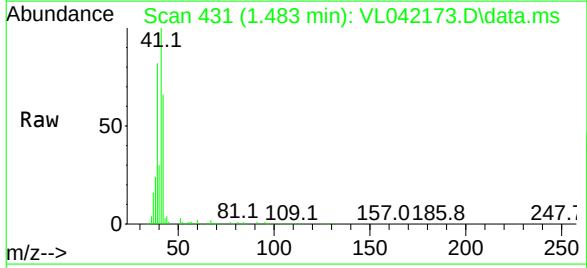
Tgt Ion: 85 Resp: 48008
Ion Ratio Lower Upper
85 100
135 66.8 52.4 78.6





#9
Propene
Concen: 2.054 ppbv
RT: 1.483 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

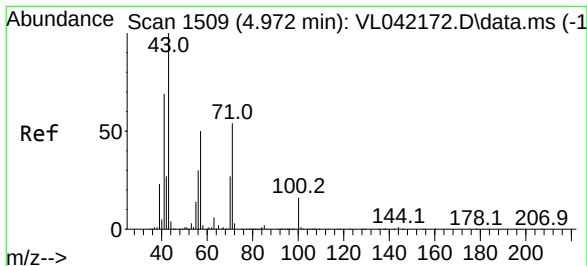
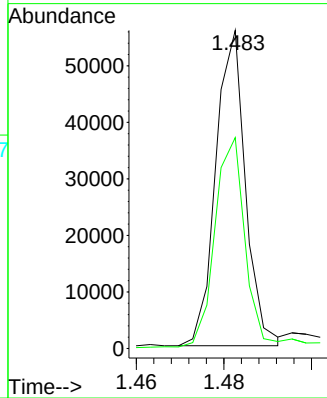
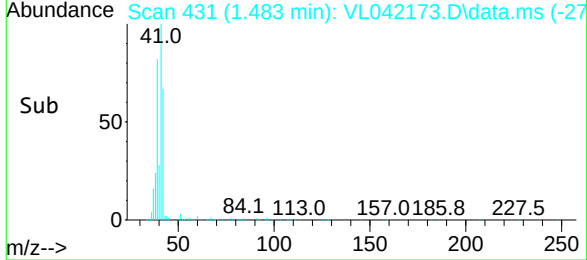
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



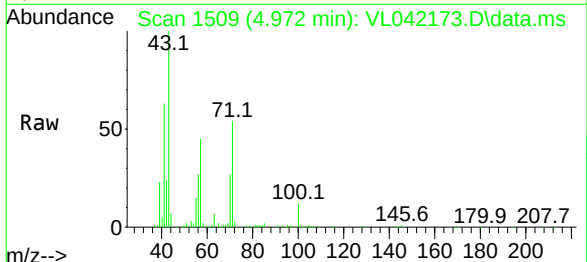
Tgt Ion: 41 Resp: 26295
Ion Ratio Lower Upper
41 100
42 73.9 55.4 83.2

Manual Integrations
APPROVED

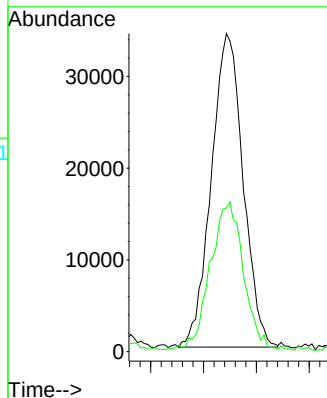
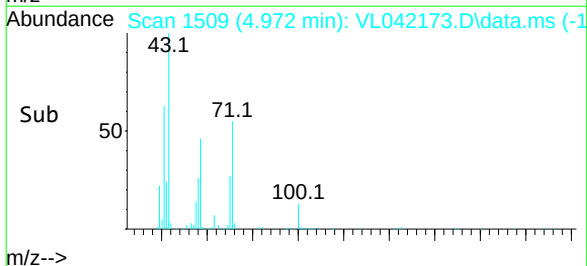
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

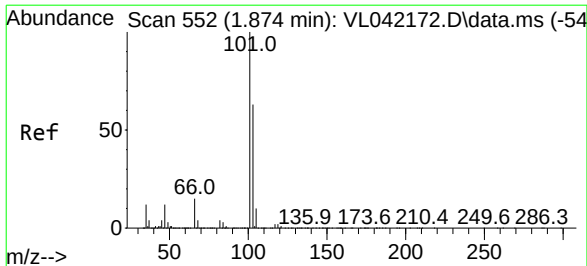


#10
Heptane
Concen: 2.063 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion: 43 Resp: 71466
Ion Ratio Lower Upper
43 100
57 49.6 39.4 59.2





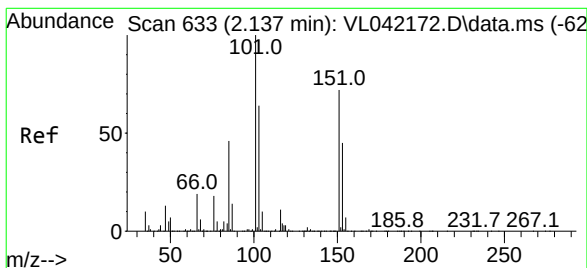
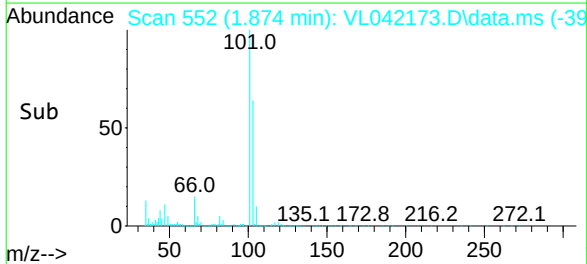
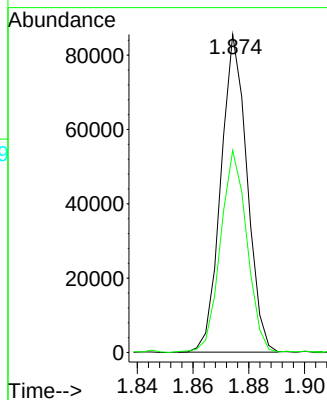
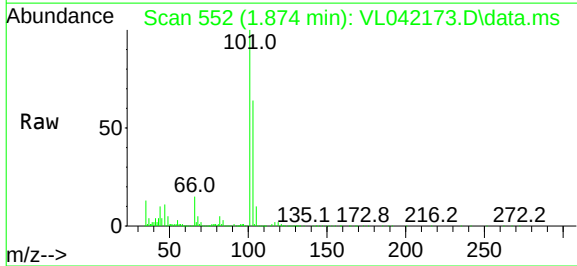
#11
Trichlorofluoromethane
Concen: 2.060 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 55754
Ion Ratio Lower Upper
101 100
103 63.5 50.2 75.2

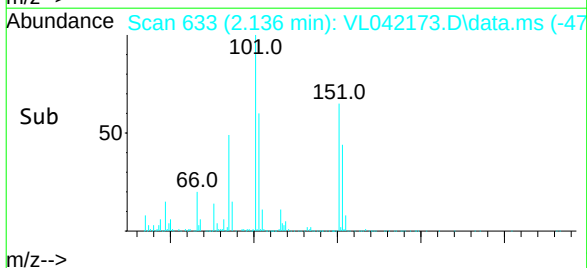
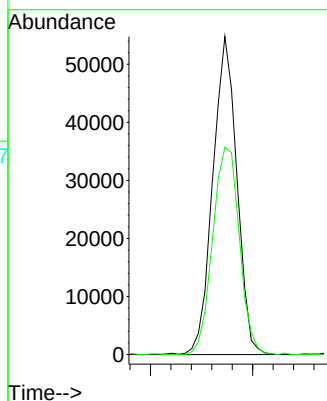
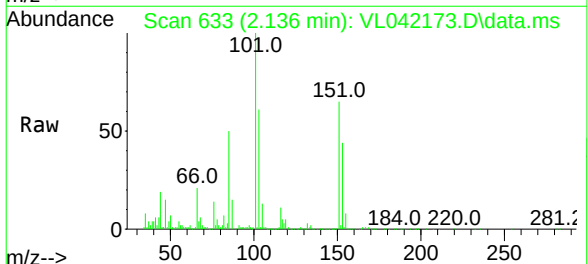
Manual Integrations
APPROVED

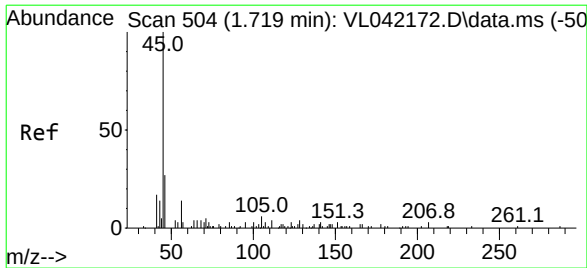
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.012 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:101 Resp: 44761
Ion Ratio Lower Upper
101 100
151 73.0 57.1 85.7





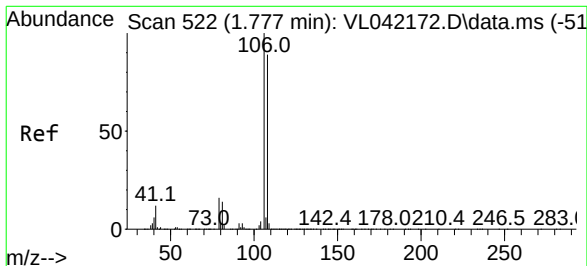
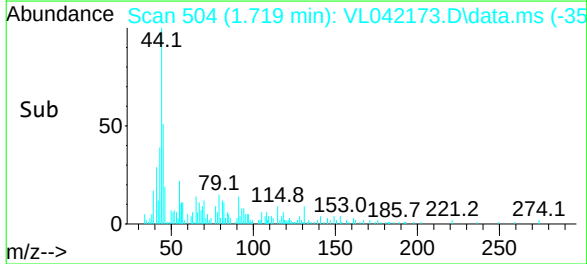
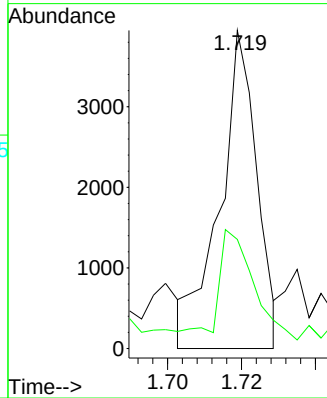
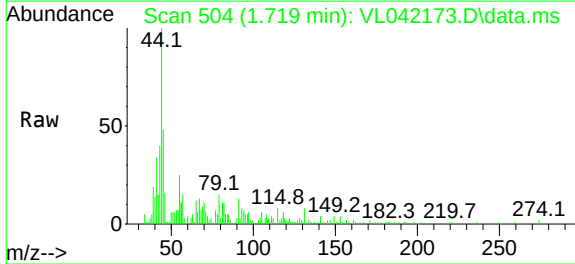
#13
Ethanol
Concen: 2.741 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 2748
Ion Ratio Lower Upper
45 100
46 56.9 20.2 80.8

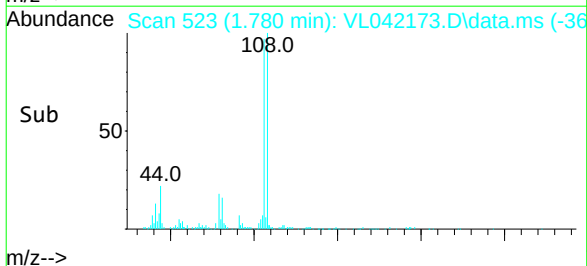
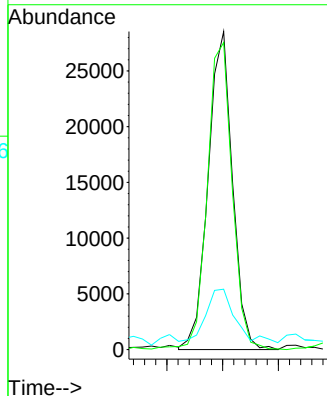
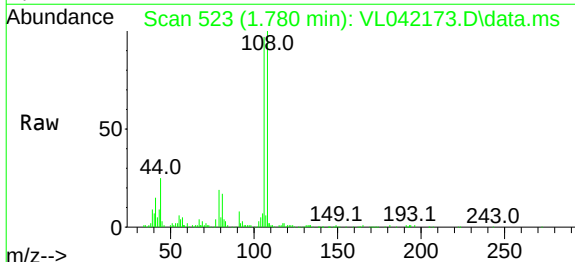
Manual Integrations
APPROVED

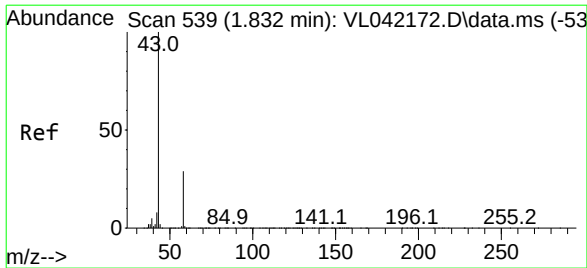
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 2.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:108 Resp: 17323
Ion Ratio Lower Upper
108 100
106 100.6 86.8 130.2
79 32.0 15.0 22.6#





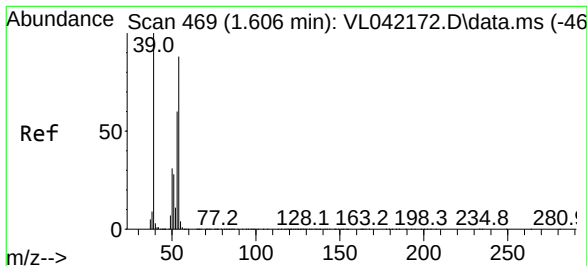
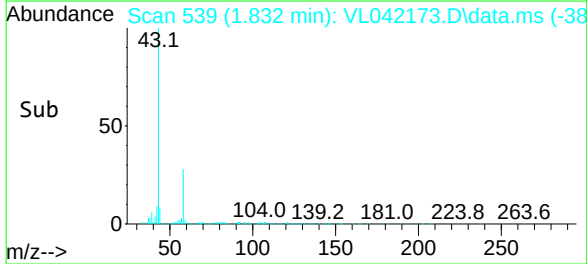
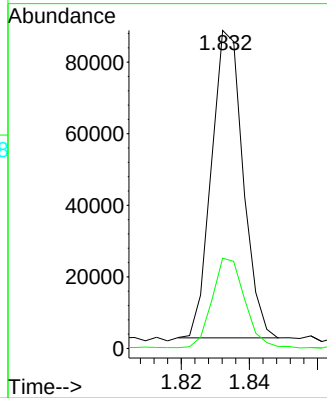
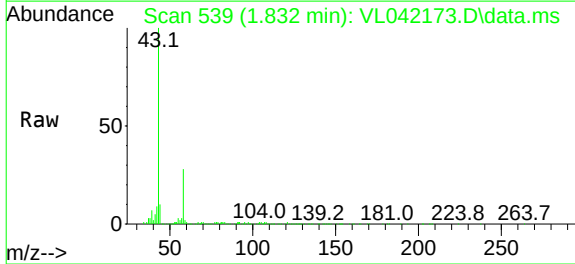
#15
Acetone
Concen: 2.101 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 55365
Ion Ratio Lower Upper
43 100
58 31.8 23.2 34.8

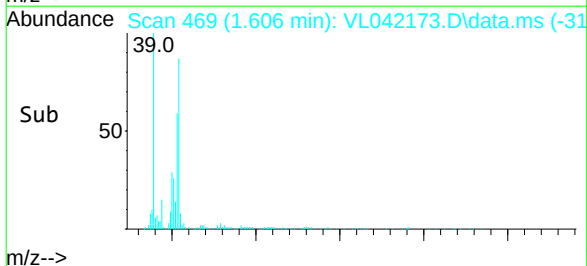
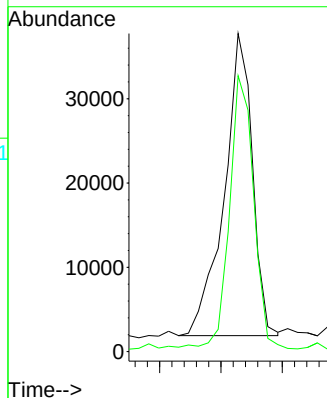
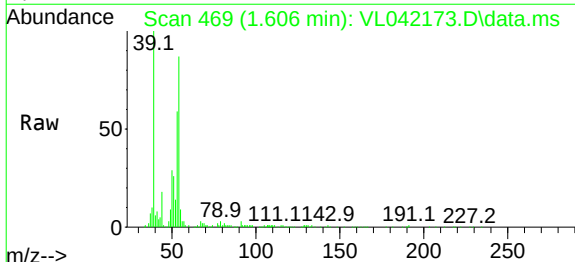
Manual Integrations
APPROVED

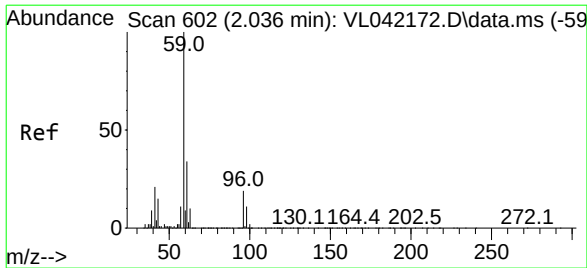
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 39 Resp: 22894
Ion Ratio Lower Upper
39 100
54 79.9 60.7 91.1





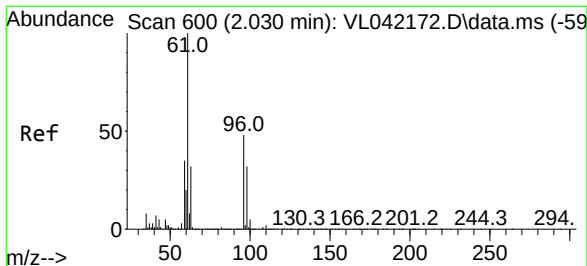
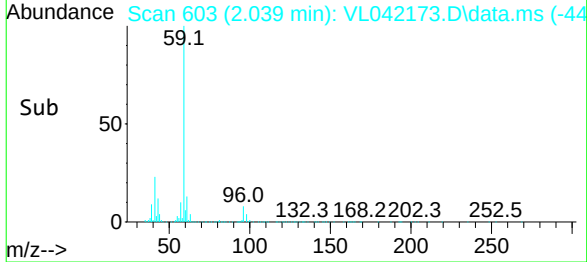
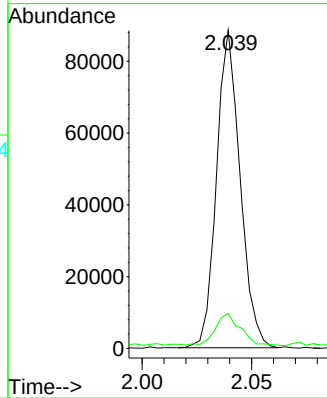
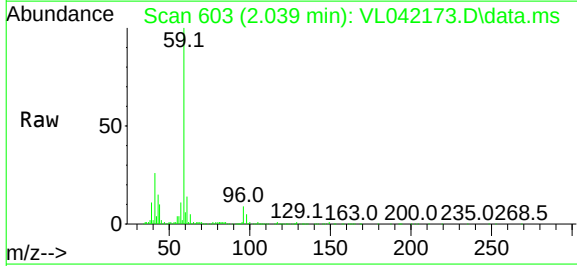
#17
tert-Butyl alcohol
Concen: 2.016 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 59 Resp: 66174
Ion Ratio Lower Upper
59 100
57 11.2 8.9 13.3

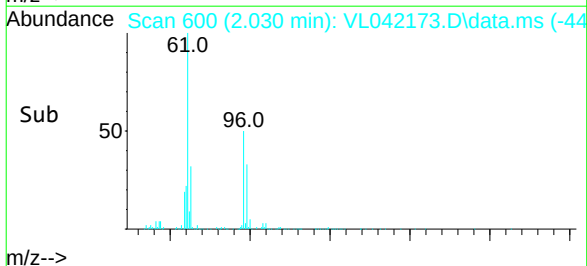
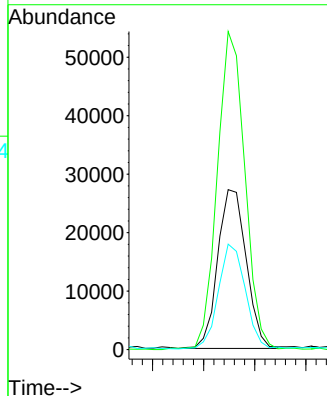
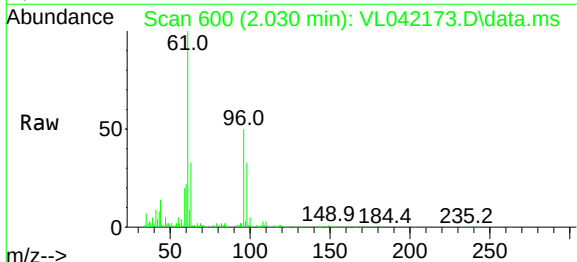
Manual Integrations
APPROVED

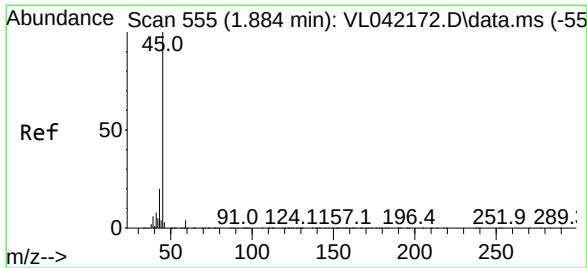
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 2.029 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 21103
Ion Ratio Lower Upper
96 100
61 199.8 167.6 251.4
98 66.0 53.5 80.3





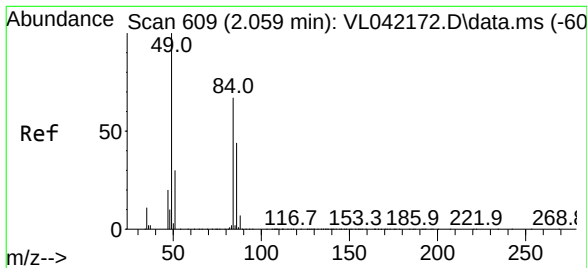
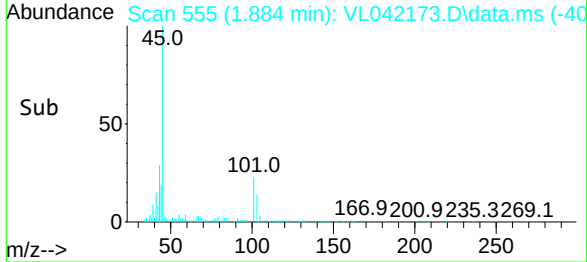
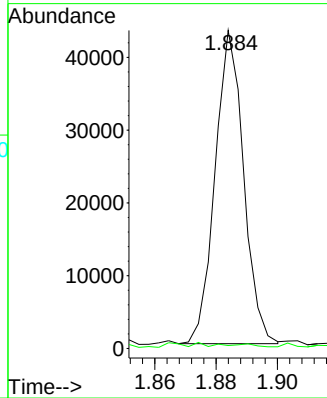
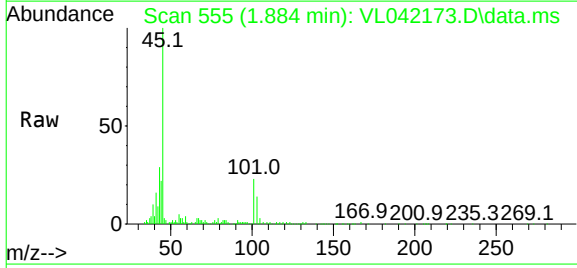
#19
Isopropyl Alcohol
Concen: 1.870 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 45 Resp: 27804
Ion Ratio Lower Upper
45 100
58 3.3 36.9 55.3

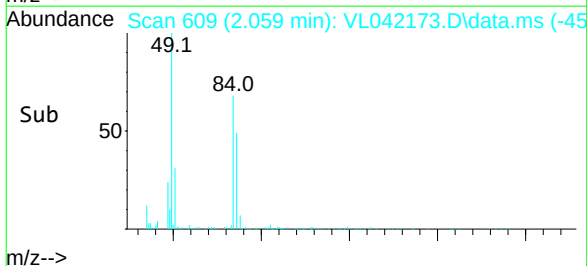
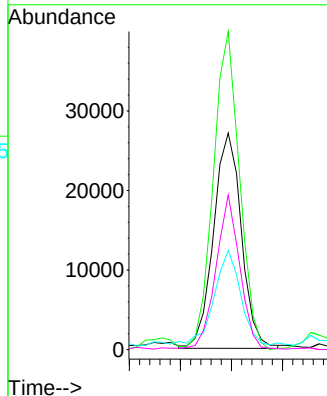
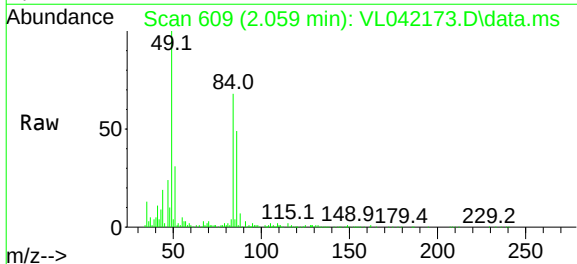
Manual Integrations
APPROVED

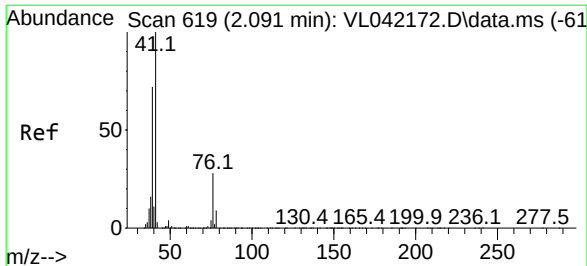
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 2.091 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 20518
Ion Ratio Lower Upper
84 100
49 148.8 120.2 180.4
51 43.5 37.4 56.0
86 72.2 52.4 78.6





#21

Allyl Chloride

Concen: 2.068 ppbv

RT: 2.094 min Scan# 62

Delta R.T. 0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

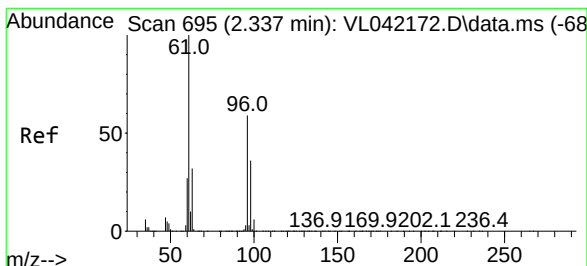
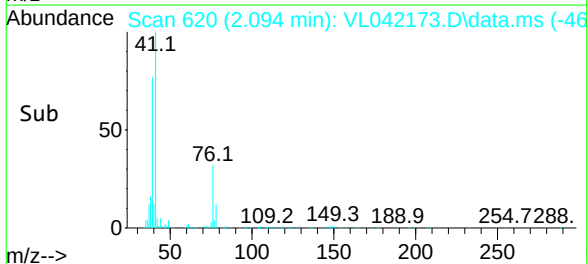
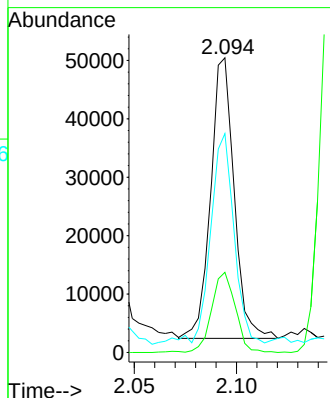
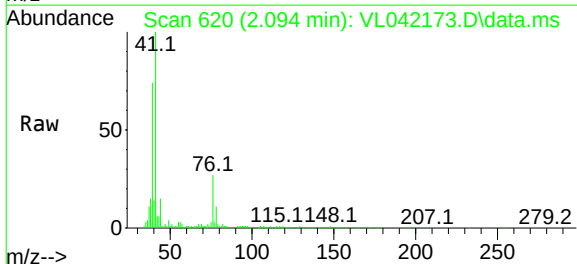
VSTDICC002

Tgt Ion:	41	Resp:	38425
Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.1	36.1
39	77.5	61.1	91.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#22

trans-1,2-Dichloroethene

Concen: 1.924 ppbv

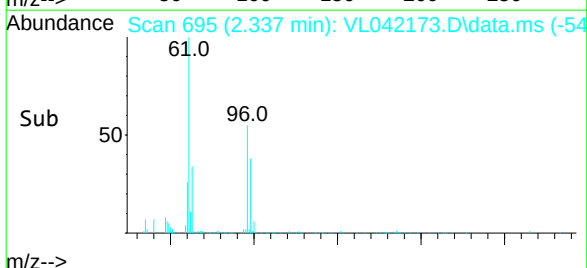
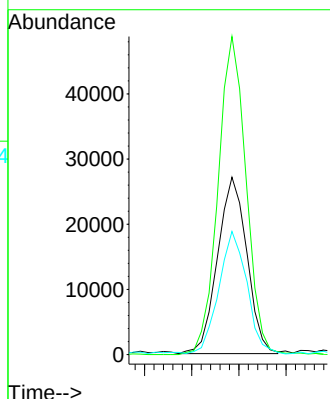
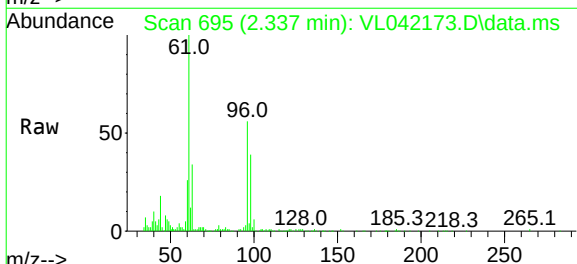
RT: 2.337 min Scan# 695

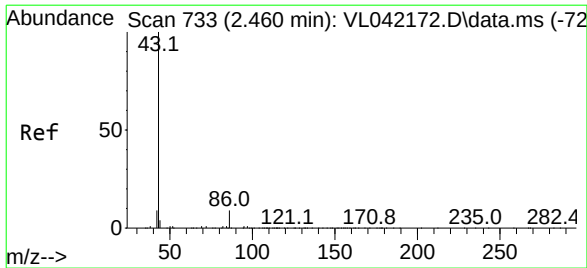
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

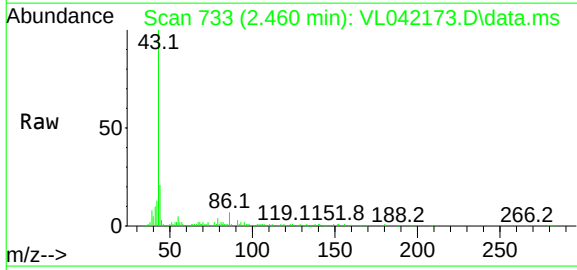
Tgt Ion:	96	Resp:	23384
Ion	Ratio	Lower	Upper
96	100		
61	180.3	136.6	204.8
98	68.6	49.4	74.2





#23
 Vinyl Acetate
 Concen: 1.894 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

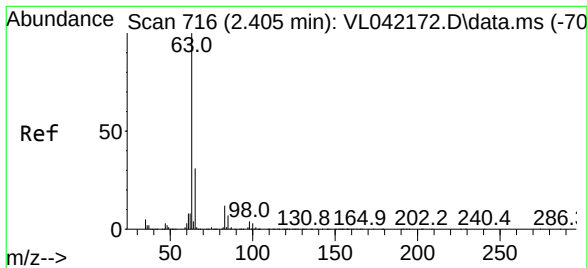
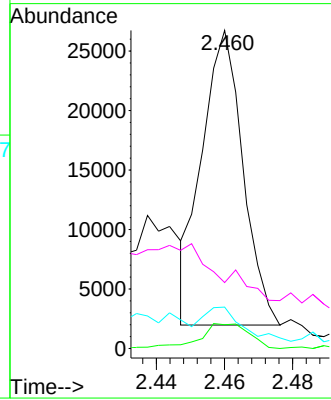
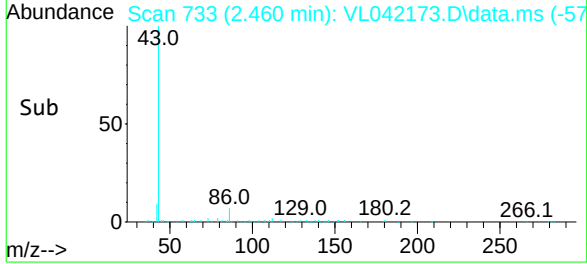
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



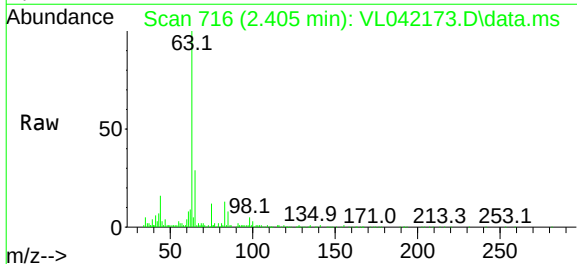
Tgt Ion:	43	Resp:	20736
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.4	8.6	13.0
44	6.1	6.2	9.4

Manual Integrations
 APPROVED

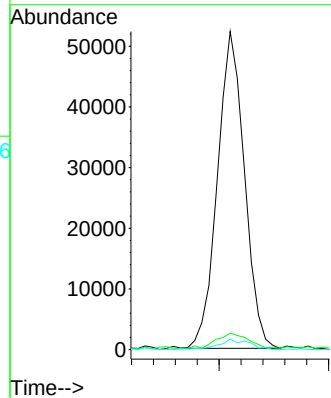
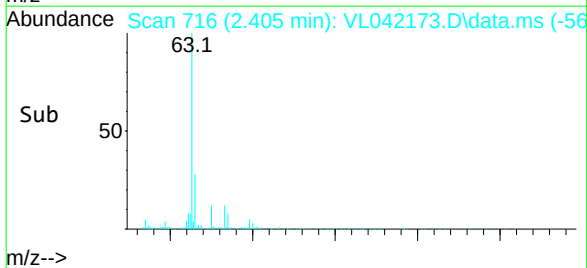
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

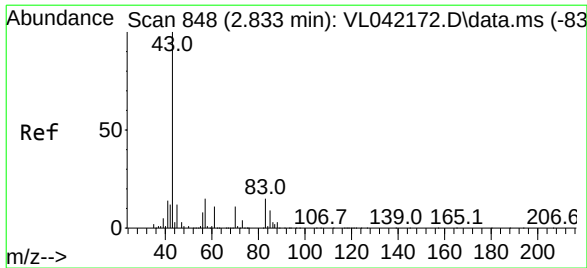


#24
 1,1-Dichloroethane
 Concen: 2.008 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59



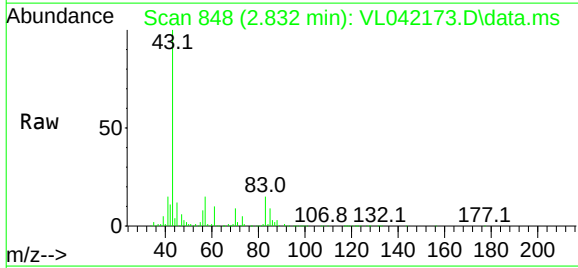
Tgt Ion:	63	Resp:	44740
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	3.3	1.6	4.7





#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

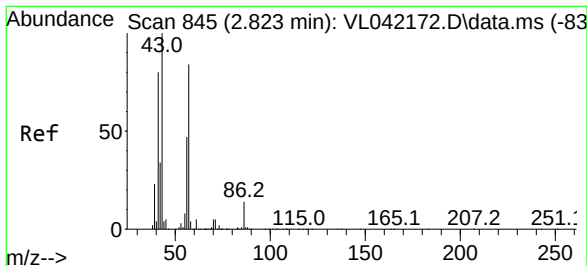
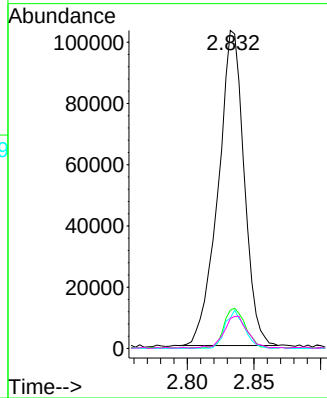
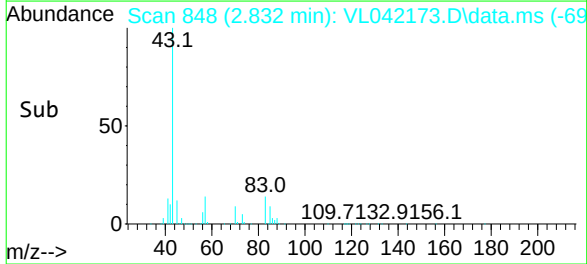
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 139516
Ion Ratio Lower Upper
43 100
45 10.9 8.2 12.2
61 9.1 7.3 10.9
70 9.5 7.2 10.8

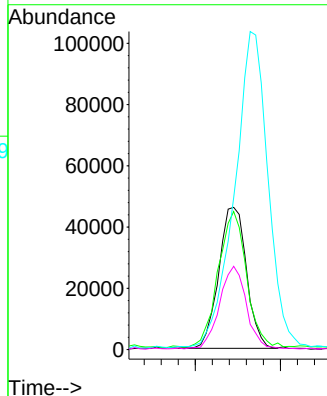
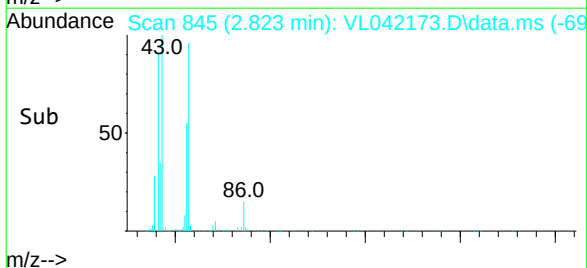
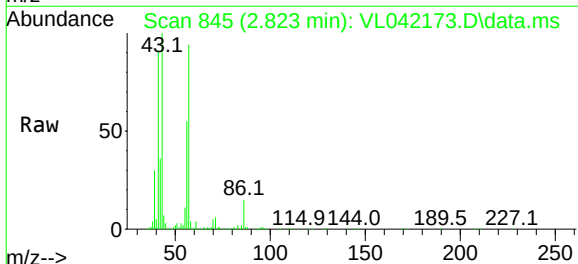
Manual Integrations
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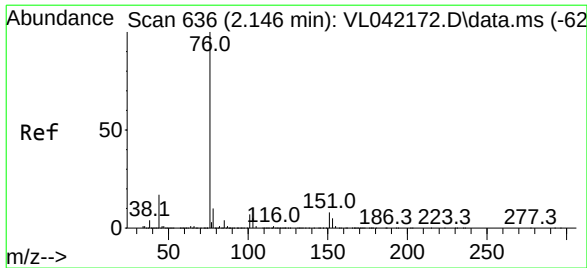
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#26
Hexane
Concen: 1.972 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 57 Resp: 52095
Ion Ratio Lower Upper
57 100
41 100.9 76.6 114.8
43 274.8 207.8 311.8
56 61.1 43.6 65.4





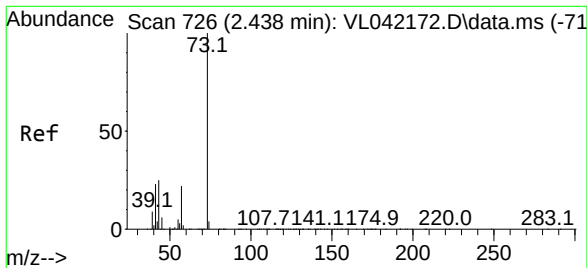
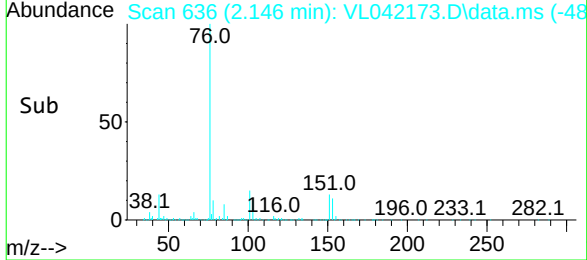
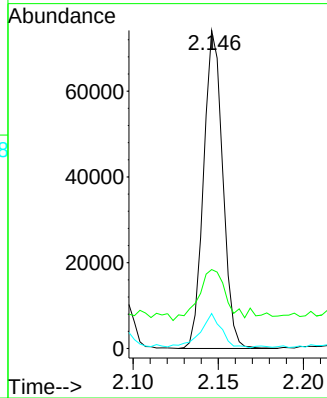
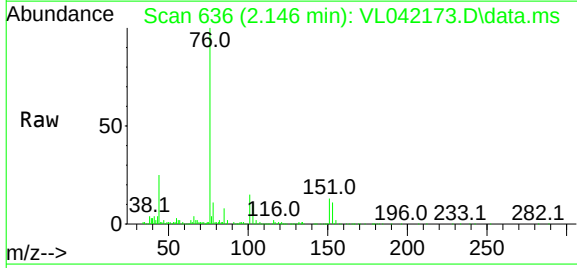
#27
Carbon Disulfide
Concen: 2.047 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 57969
Ion Ratio Lower Upper
76 100
44 35.2 14.7 22.1#
78 12.0 9.3 13.9

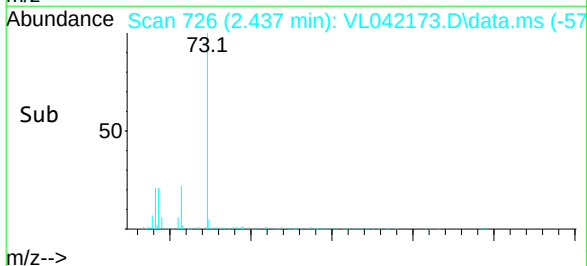
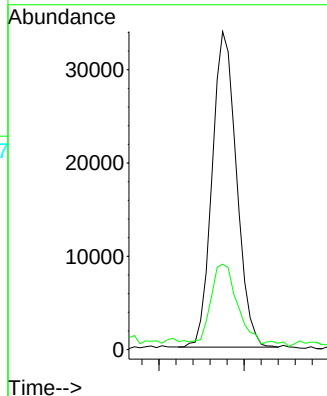
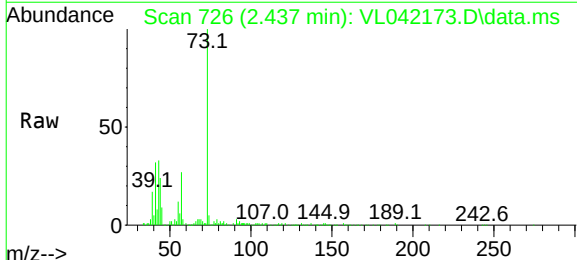
Manual Integrations
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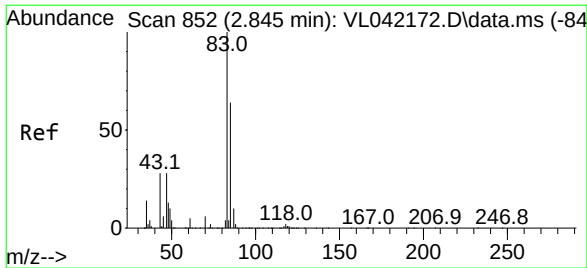
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 2.049 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 73 Resp: 33703
Ion Ratio Lower Upper
73 100
57 25.2 20.5 30.7





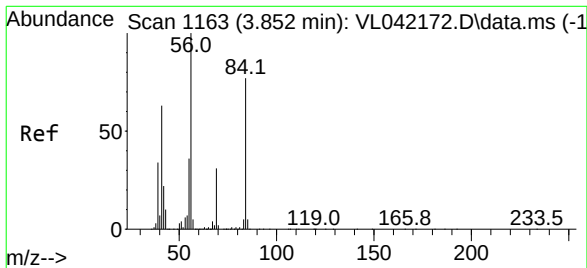
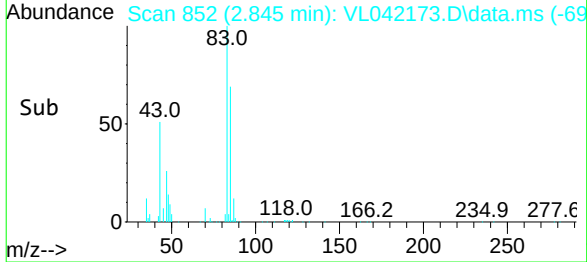
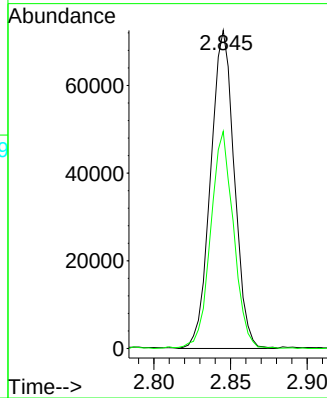
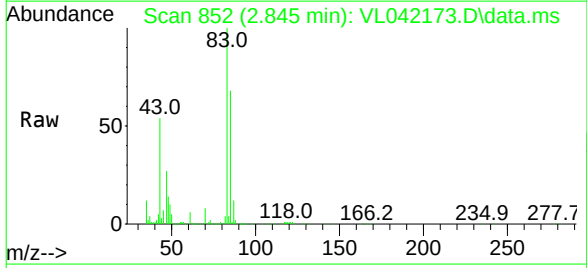
#29
Chloroform
Concen: 2.019 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 83 Resp: 78043
Ion Ratio Lower Upper
83 100
85 68.2 51.4 77.2

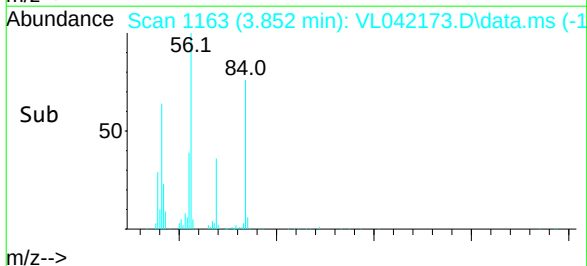
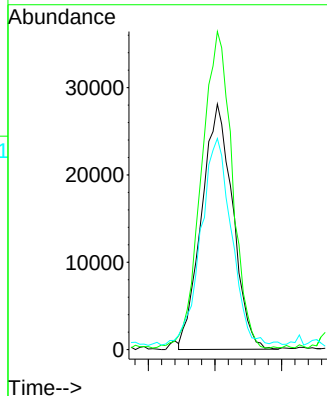
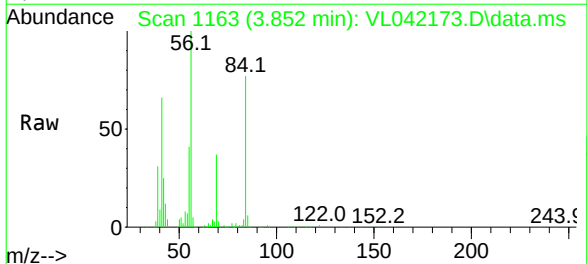
Manual Integrations
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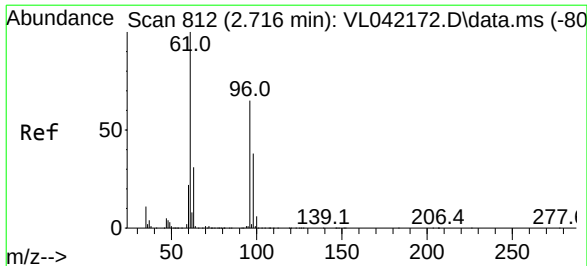
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#30
Cyclohexane
Concen: 1.989 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 45641
Ion Ratio Lower Upper
84 100
56 127.8 102.8 154.2
41 84.6 66.5 99.7





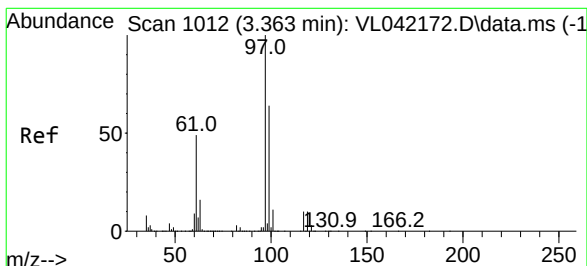
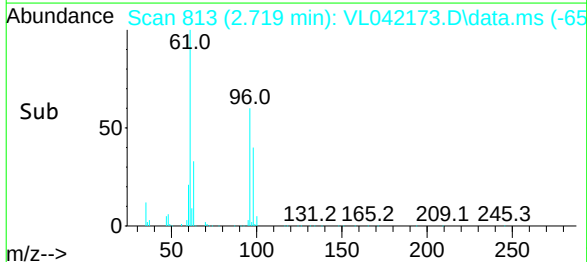
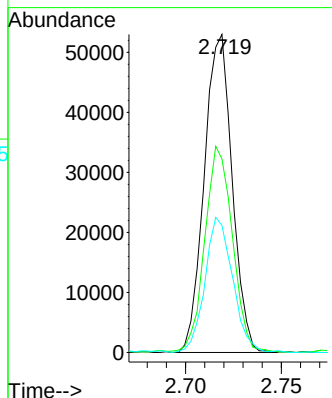
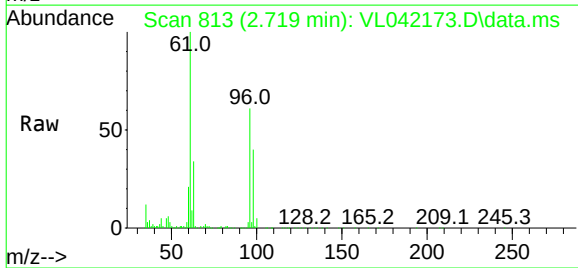
#31
 cis-1,2-Dichloroethene
 Concen: 2.003 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion:	61	Resp:	53713
Ion	Ratio	Lower	Upper
61	100		
96	60.6	51.8	77.8
98	39.6	30.6	46.0

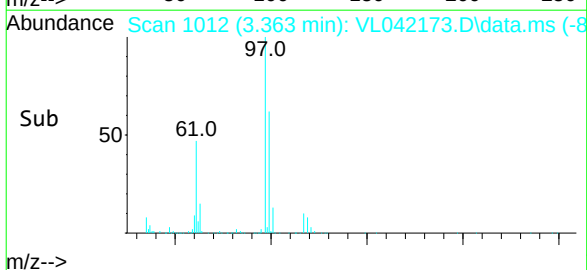
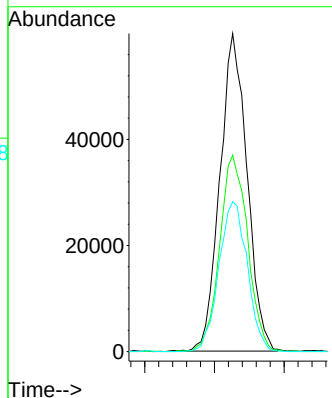
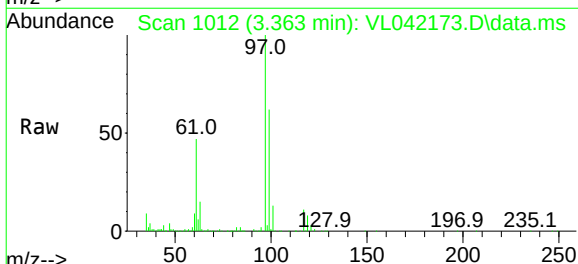
Manual Integrations
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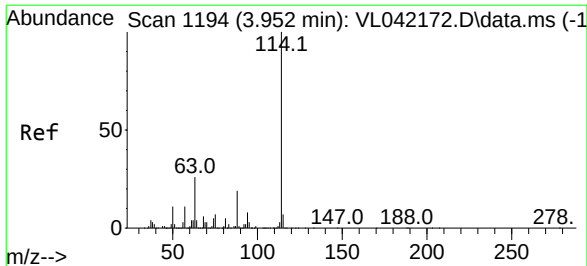
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 1.833 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

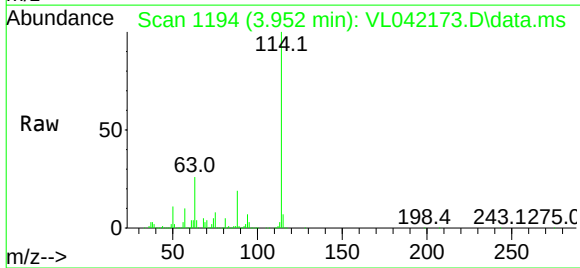
Tgt Ion:	97	Resp:	81070
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.5	77.3
61	49.3	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

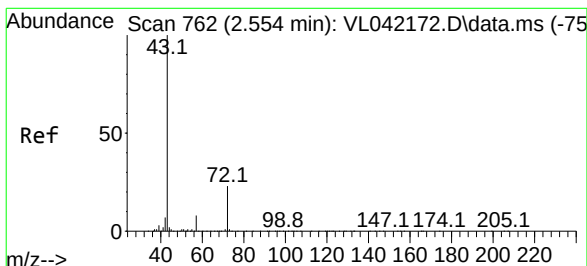
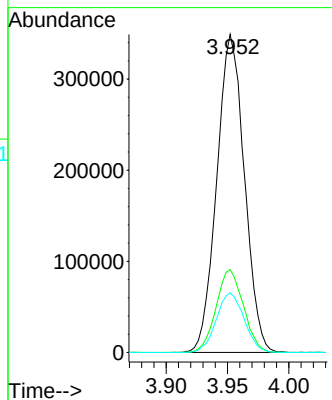
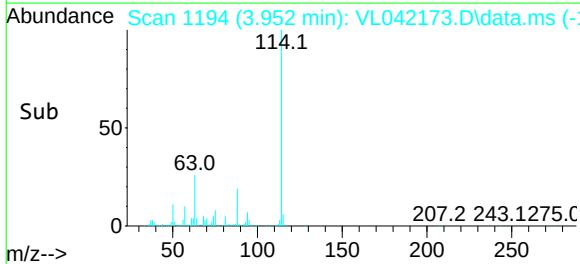
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



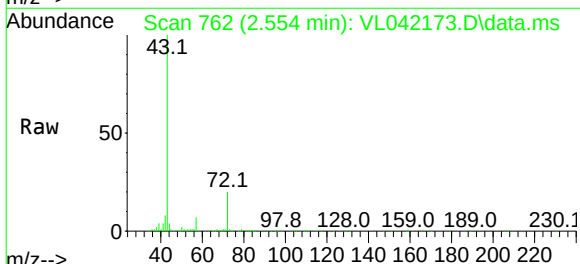
Tgt Ion: 114 Resp: 546394
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 18.9 15.0 22.4

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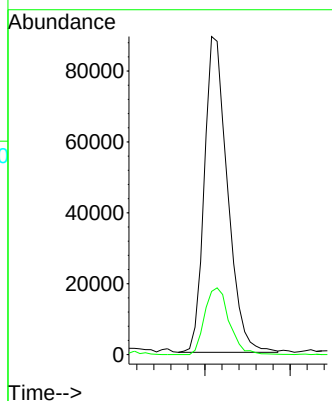
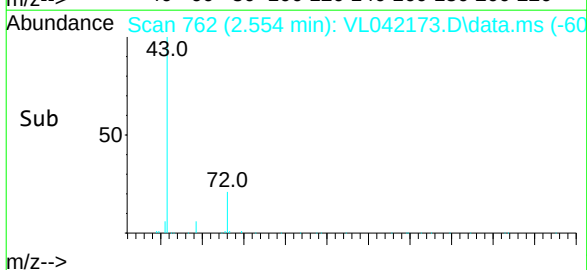
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

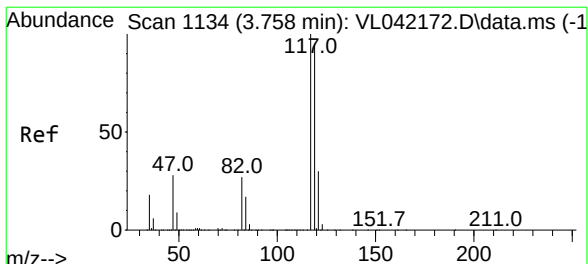


#34
2-Butanone
Concen: 2.124 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion: 43 Resp: 84157
Ion Ratio Lower Upper
43 100
72 22.4 18.2 27.2





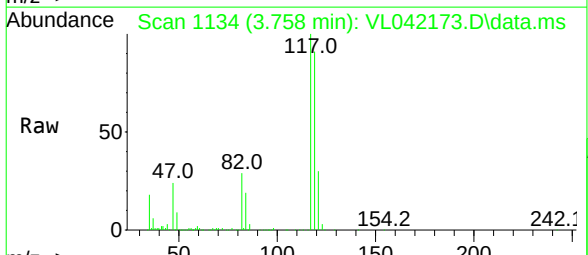
#35
Carbon Tetrachloride
Concen: 1.944 ppbv
RT: 3.758 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

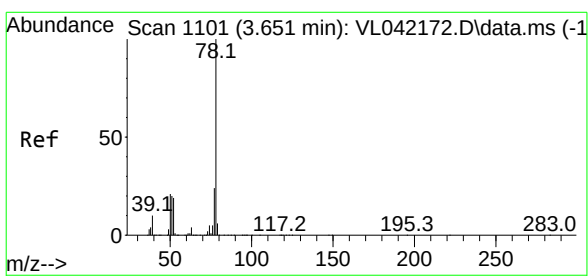
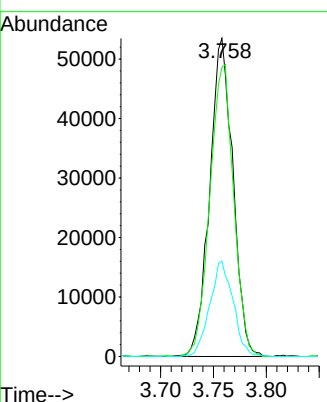
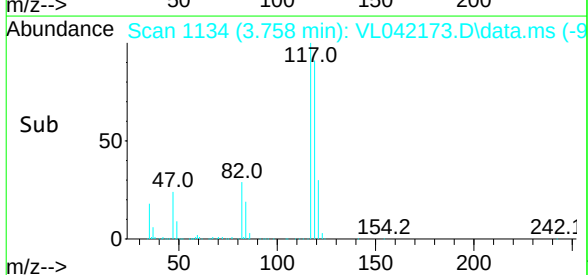


Tgt Ion: 117 Resp: 81735

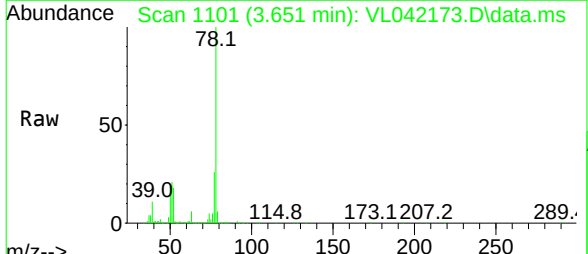
Ion	Ratio	Lower	Upper
117	100		
119	90.8	76.2	114.2
121	30.0	24.2	36.4

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Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025

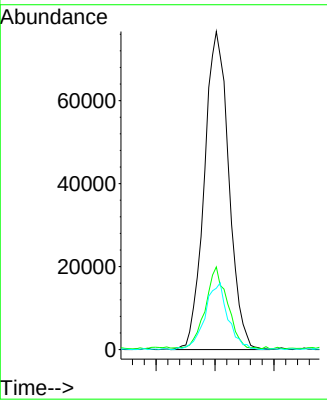
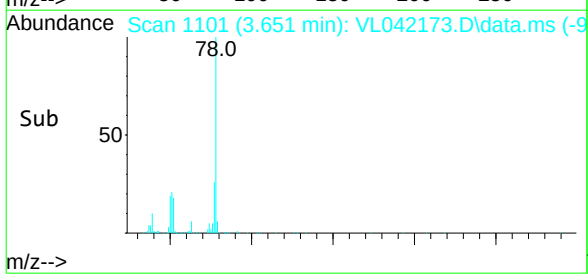


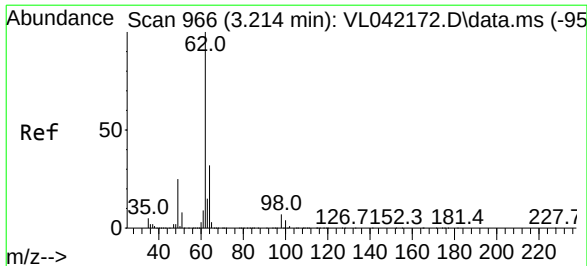
#36
Benzene
Concen: 2.044 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion: 78 Resp: 110727

Ion	Ratio	Lower	Upper
78	100		
77	25.7	19.1	28.7
50	19.3	16.6	24.8





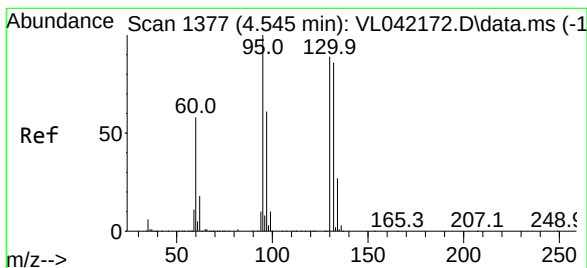
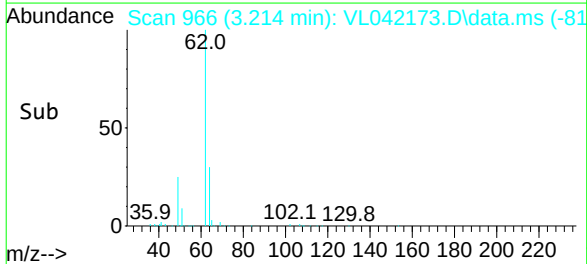
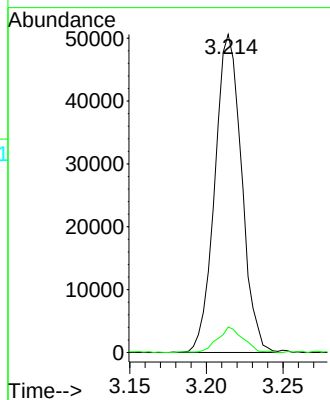
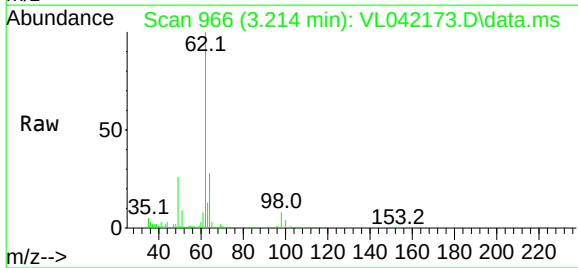
#37
1,2-Dichloroethane
Concen: 1.982 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 61476
Ion Ratio Lower Upper
62 100
98 7.7 5.4 8.2

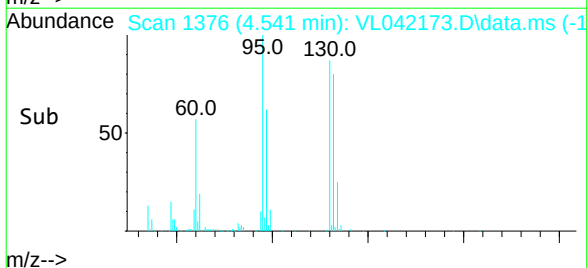
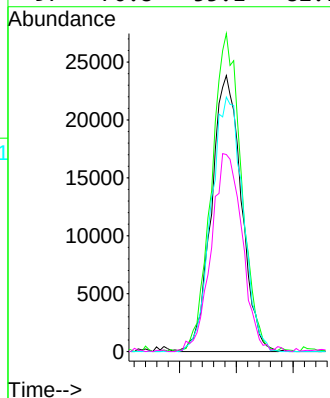
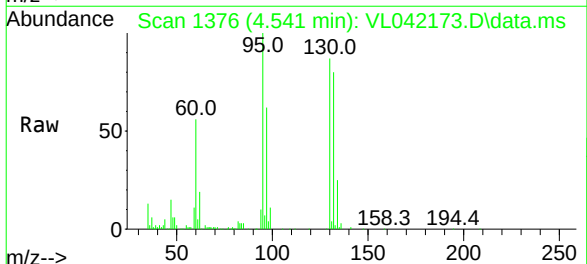
Manual Integrations
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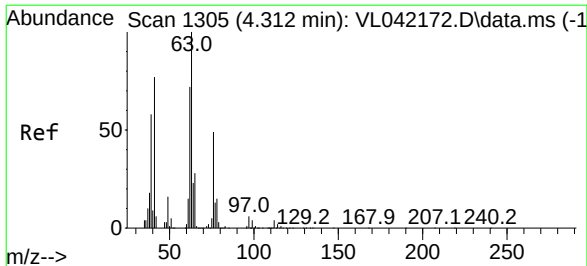
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 1.924 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

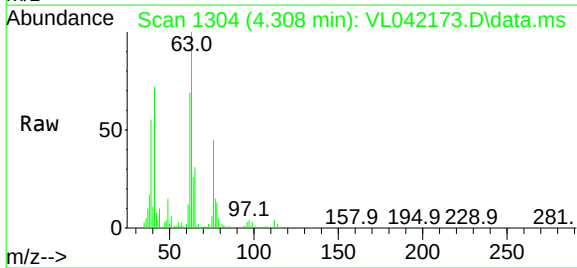
Tgt Ion:130 Resp: 43501
Ion Ratio Lower Upper
130 100
95 114.8 89.8 134.8
132 92.2 77.4 116.2
97 70.8 55.1 82.7





#39
1,2-Dichloropropane
Concen: 2.023 ppbv
RT: 4.308 min Scan# 1305
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

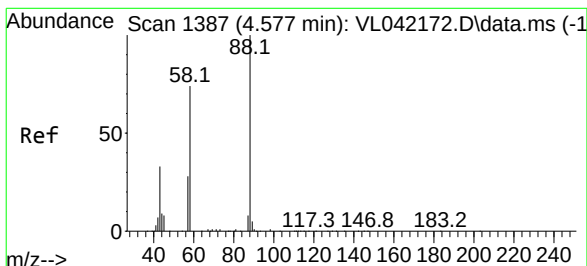
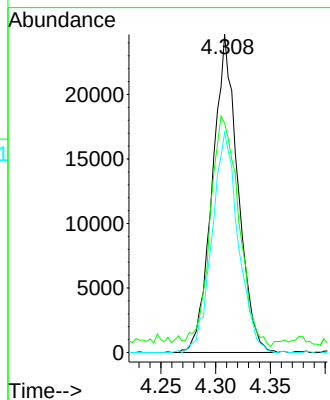
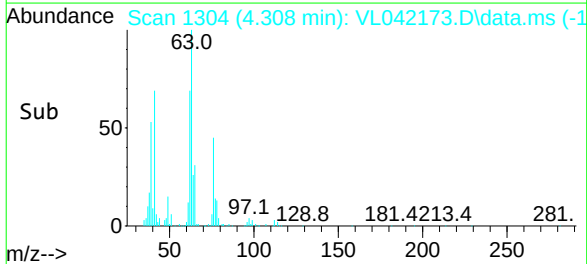
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



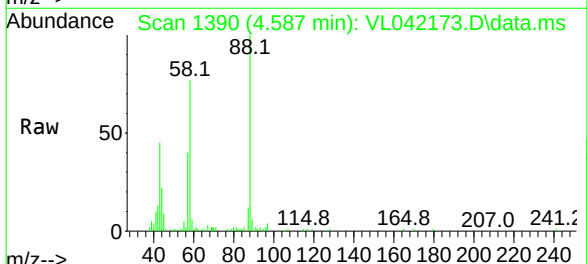
Tgt Ion: 63 Resp: 39912
Ion Ratio Lower Upper
63 100
41 68.6 61.7 92.5
62 69.2 57.6 86.4

Manual Integrations
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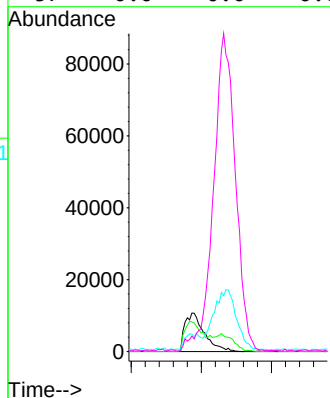
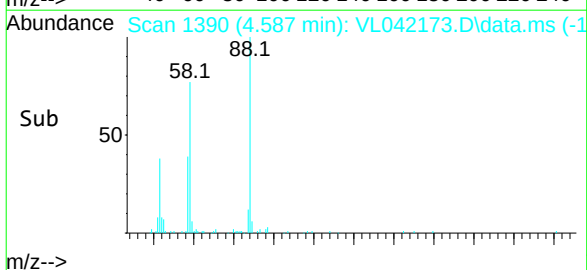
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

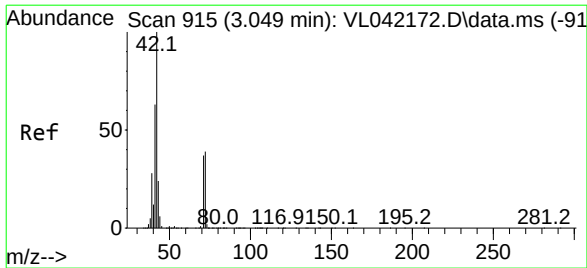


#40
1,4-Dioxane
Concen: 2.040 ppbv m
RT: 4.587 min Scan# 1390
Delta R.T. 0.009 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



Tgt Ion: 88 Resp: 20884
Ion Ratio Lower Upper
88 100
58 119.5 62.7 94.1#
43 0.0 23.0 34.4#
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 2.097 ppbv

RT: 3.056 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 42 Resp: 47262

Ion Ratio Lower Upper

42 100

72 39.6 31.4 47.0

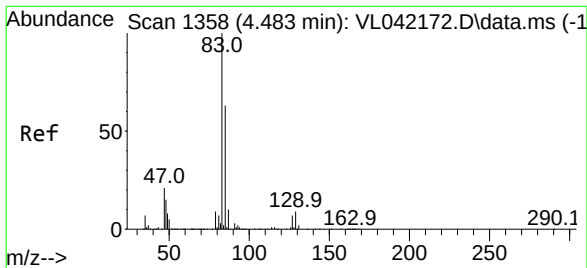
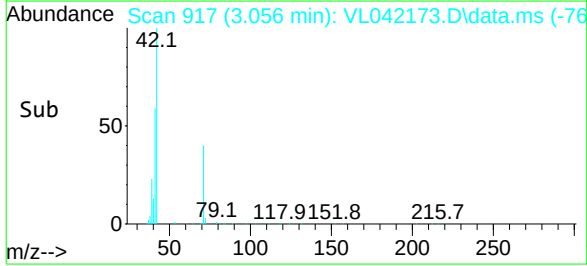
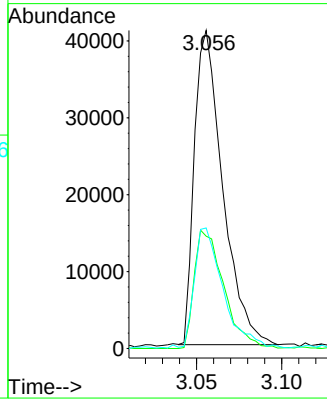
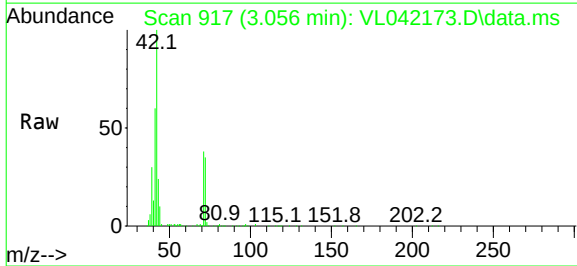
71 39.0 30.2 45.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#42

Bromodichloromethane

Concen: 2.050 ppbv

RT: 4.483 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

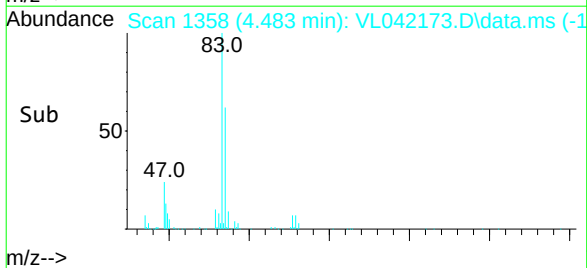
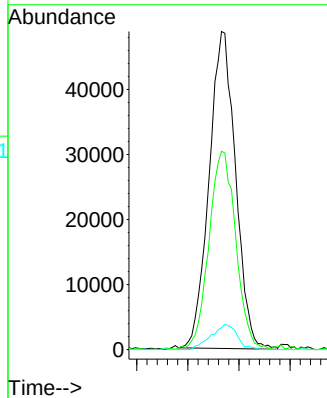
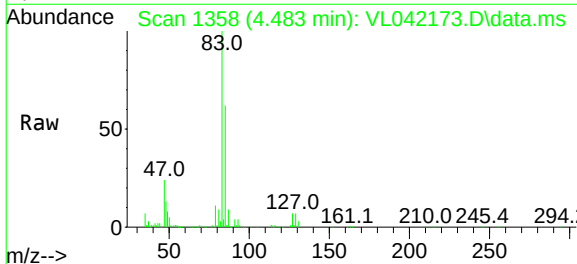
Tgt Ion: 83 Resp: 87640

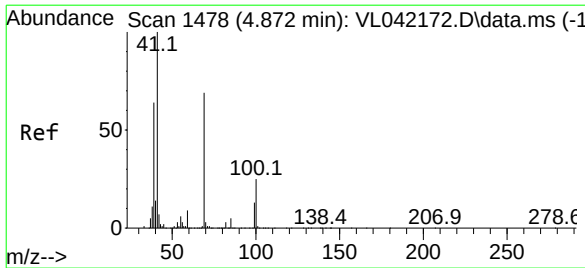
Ion Ratio Lower Upper

83 100

85 62.2 50.5 75.7

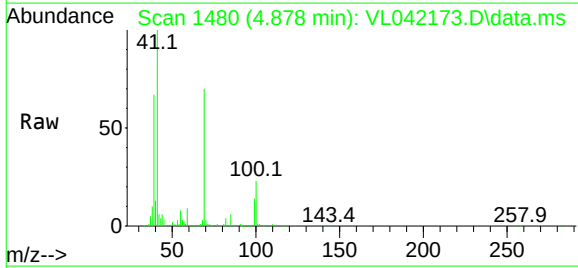
127 6.9 5.9 8.9





#43
Methyl Methacrylate
Concen: 1.952 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

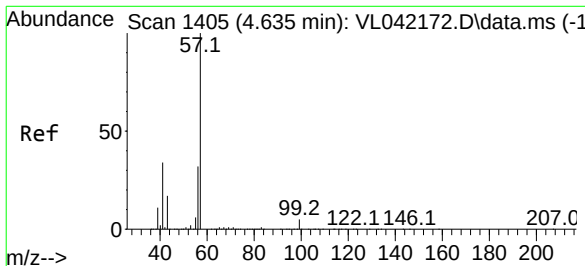
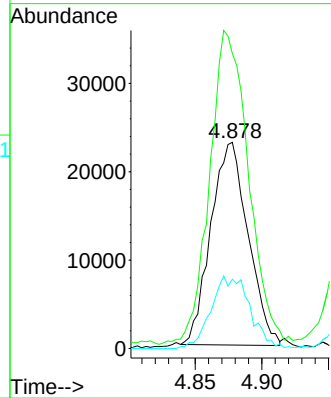
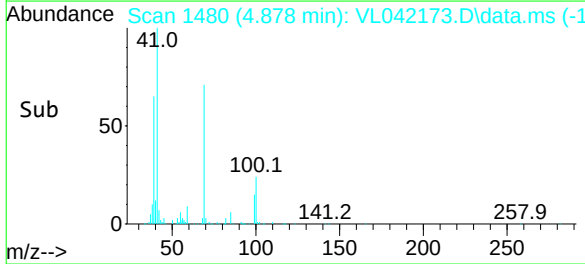
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



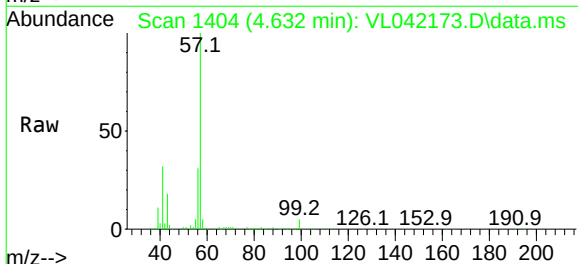
Tgt Ion: 69 Resp: 44624
Ion Ratio Lower Upper
69 100
41 158.7 123.8 185.6
100 37.5 28.4 42.6

Manual Integrations
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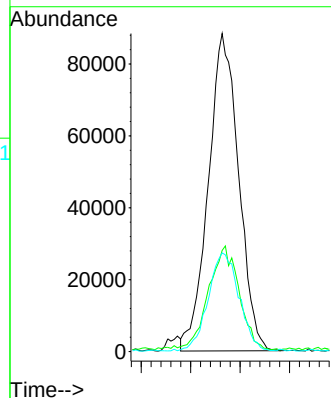
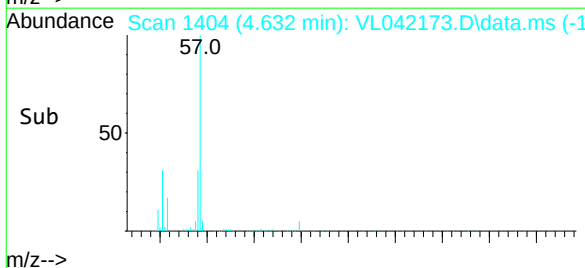
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

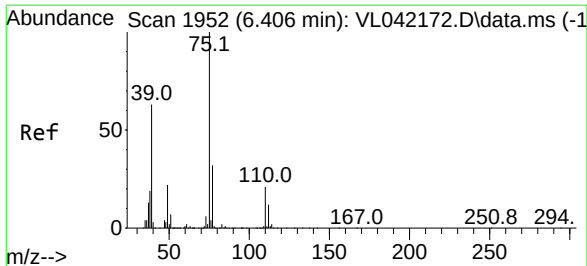


#44
2,2,4-Trimethylpentane
Concen: 2.057 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59



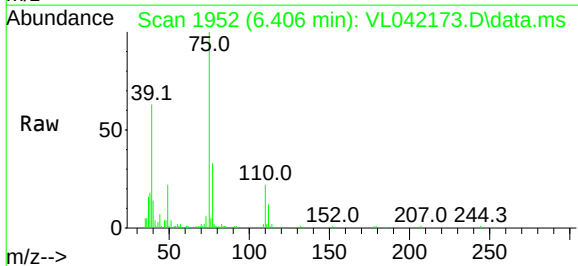
Tgt Ion: 57 Resp: 188282
Ion Ratio Lower Upper
57 100
41 33.8 26.8 40.2
56 31.8 25.6 38.4





#45
 t-1,3-Dichloropropene
 Concen: 2.011 ppbv
 RT: 6.406 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

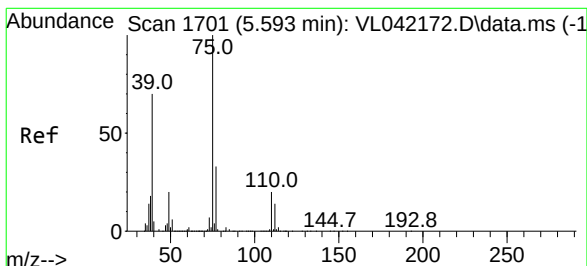
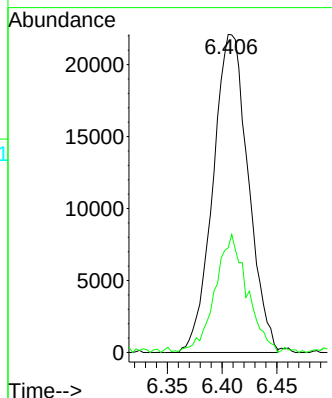
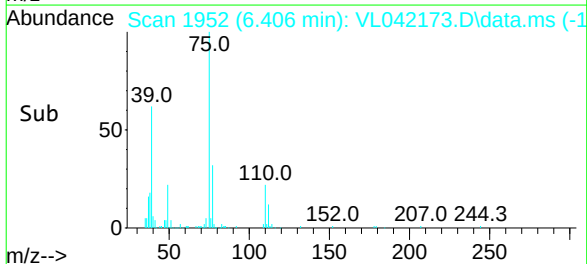
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion: 75 Resp: 49461
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.0 39.0

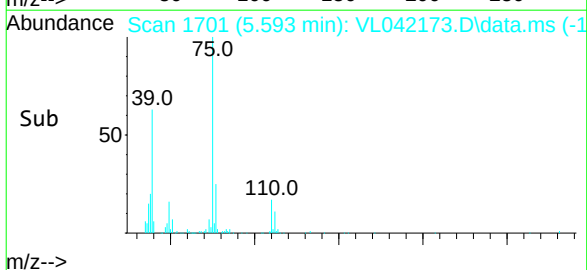
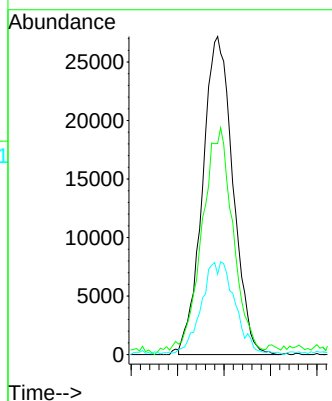
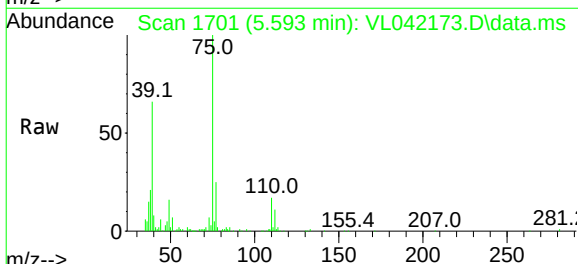
Manual Integrations
 APPROVED

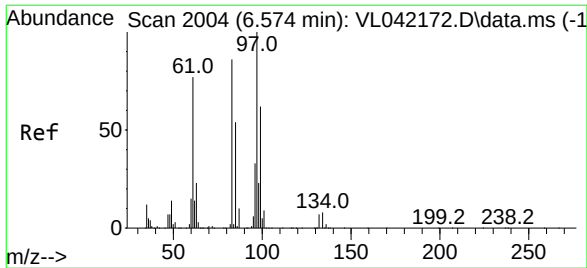
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#46
 cis-1,3-Dichloropropene
 Concen: 2.050 ppbv
 RT: 5.593 min Scan# 1701
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

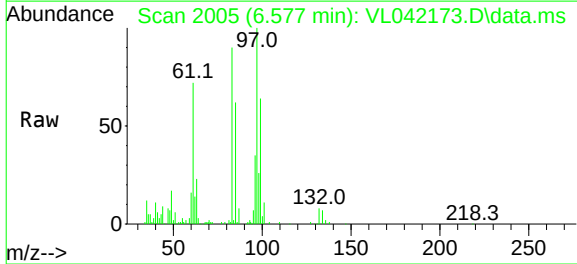
Tgt Ion: 75 Resp: 61829
 Ion Ratio Lower Upper
 75 100
 39 64.4 55.8 83.6
 77 24.5 26.0 39.0#





#47
1,1,2-Trichloroethane
Concen: 1.985 ppbv
RT: 6.577 min Scan# 2004
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

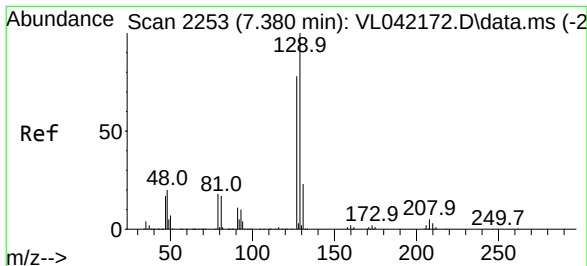
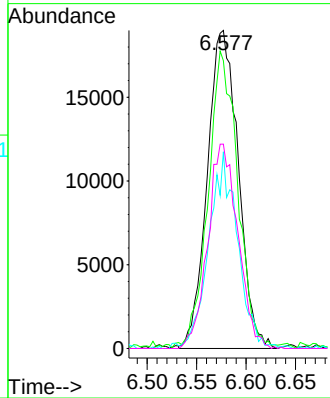
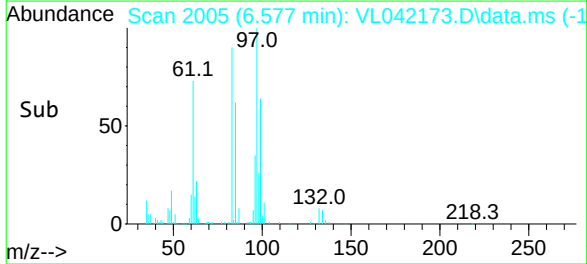
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.2	103.8
85	61.3	43.1	64.7
99	64.2	49.4	74.2

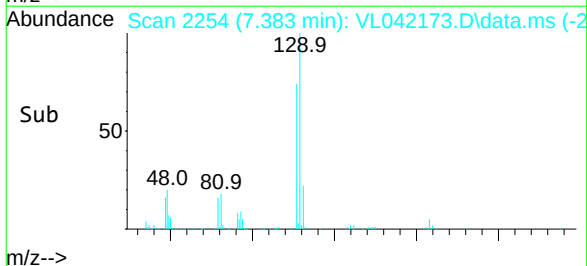
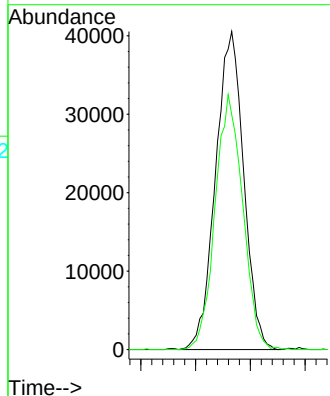
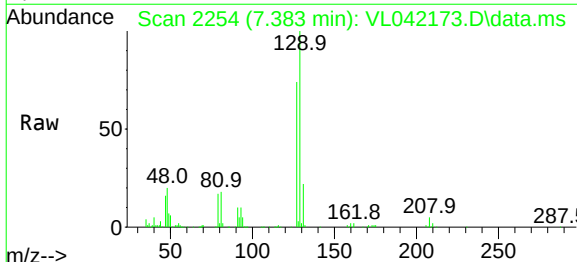
Manual Integrations
APPROVED

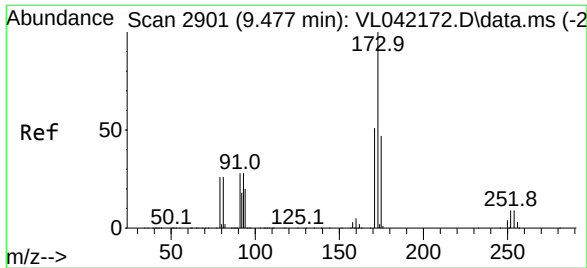
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 2.050 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





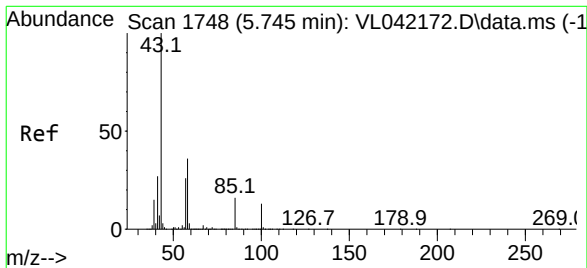
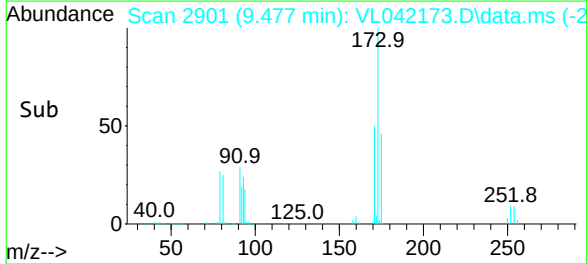
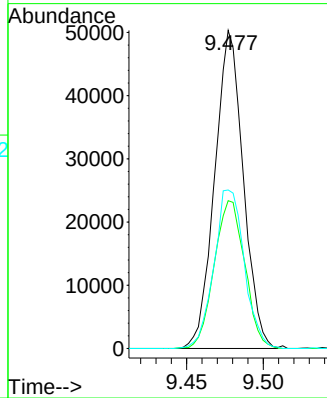
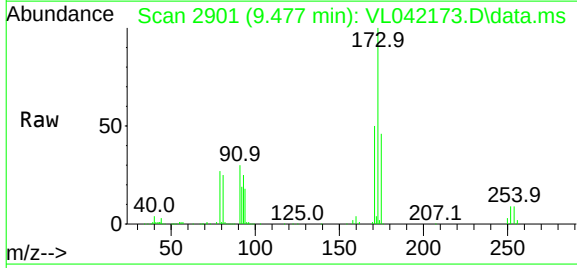
#49
Bromoform
Concen: 2.056 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
171	53.0	41.8	62.6

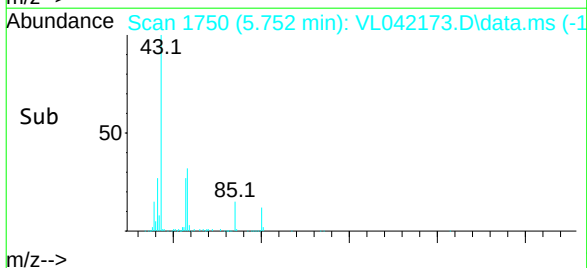
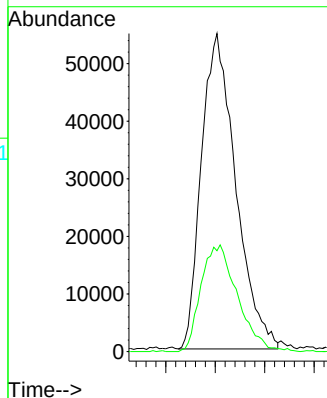
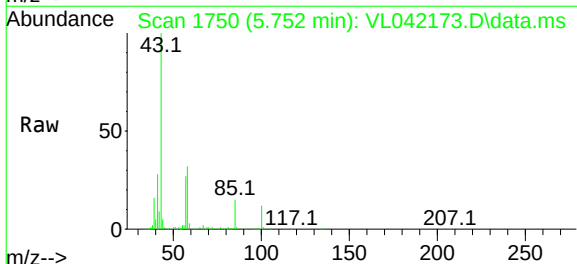
Manual Integrations
APPROVED

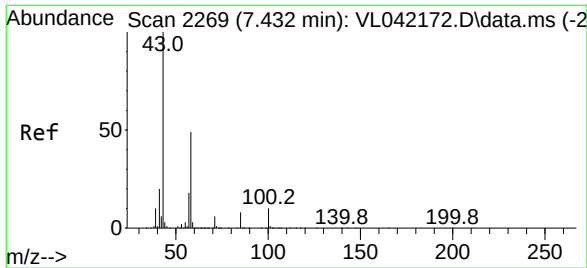
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 2.107 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.0	43.6





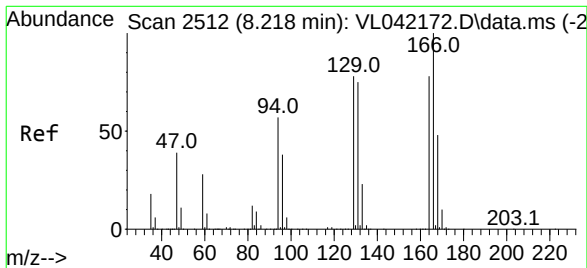
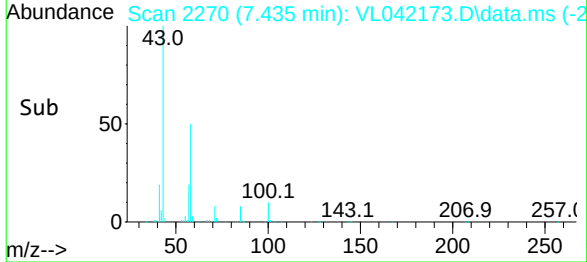
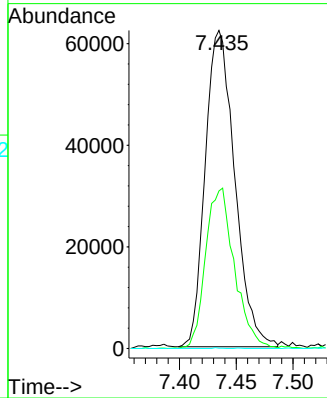
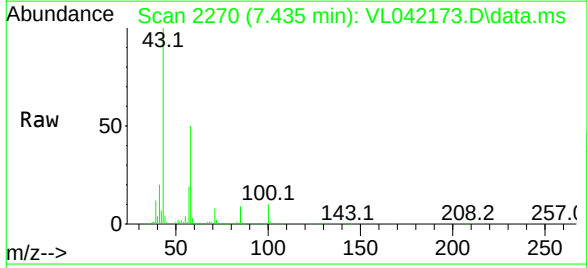
#51
2-Hexanone
Concen: 2.162 ppbv
RT: 7.435 min Scan# 2269
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 112681
Ion Ratio Lower Upper
43 100
58 50.0 39.7 59.5
98 0.0 0.1 0.1#

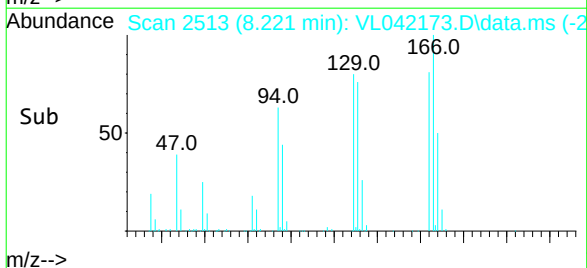
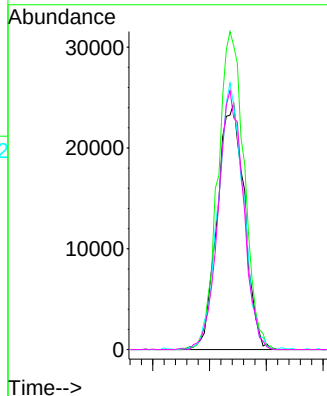
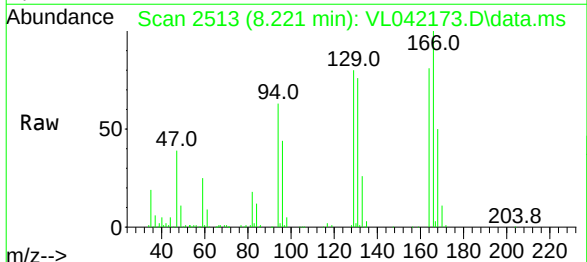
Manual Integrations
APPROVED

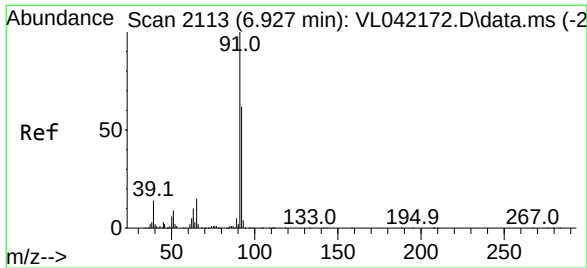
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 1.888 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:164 Resp: 40558
Ion Ratio Lower Upper
164 100
166 123.4 102.5 153.7
129 99.2 79.8 119.8
131 94.1 76.6 114.8





#53

Toluene

Concen: 2.045 ppbv

RT: 6.923 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 91 Resp: 131314

Ion Ratio Lower Upper

91 100

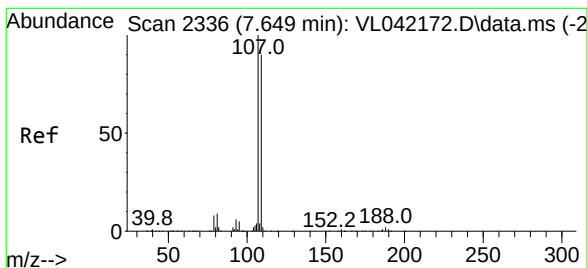
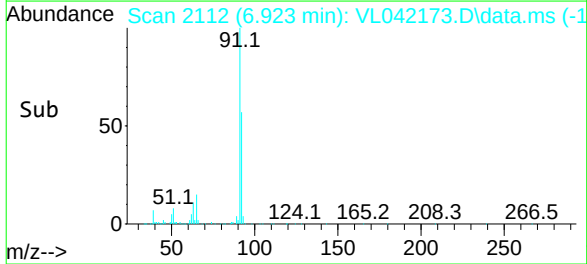
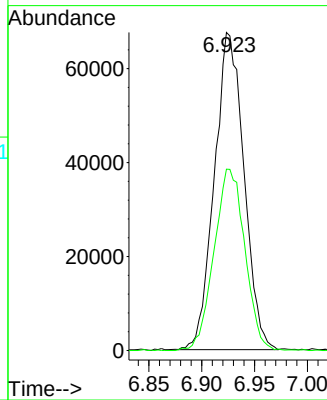
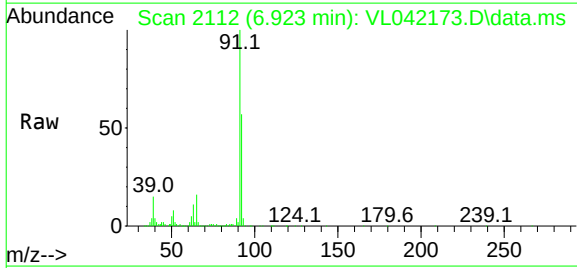
92 59.6 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 1.952 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VL042173.D

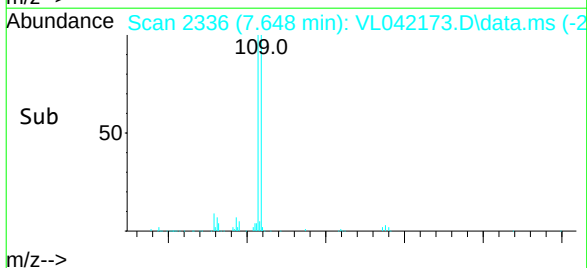
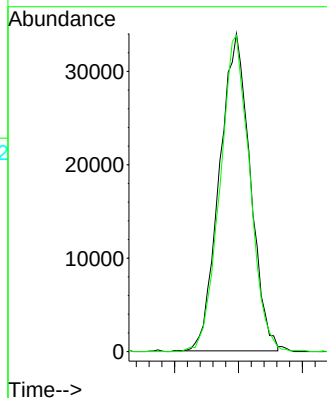
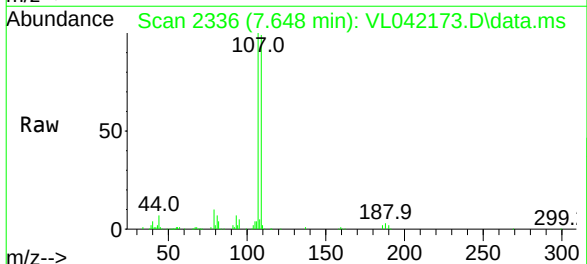
Acq: 27 Mar 2025 08:59

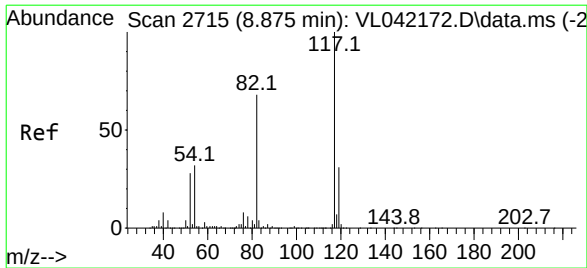
Tgt Ion:107 Resp: 56799

Ion Ratio Lower Upper

107 100

109 99.7 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

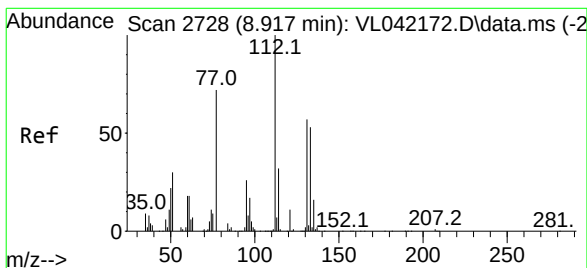
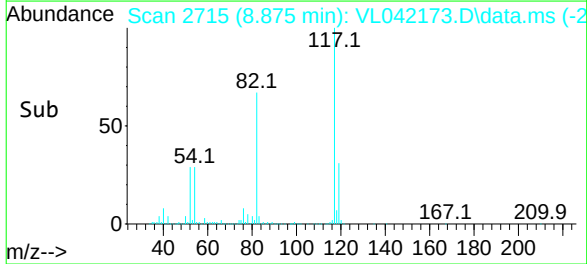
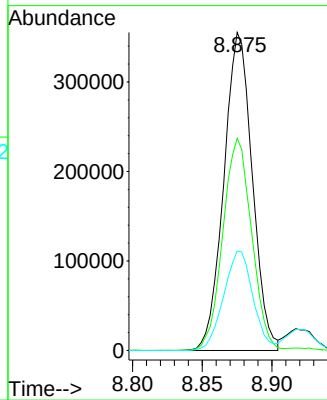
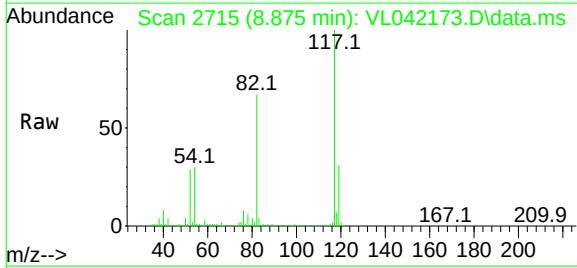
ClientSampleId :

VSTDIC002

Tgt Ion:	117	Resp:	504538
Ion	Ratio	Lower	Upper
117	100		
82	68.2	55.8	83.6
119	33.0	25.5	38.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 2.093 ppbv

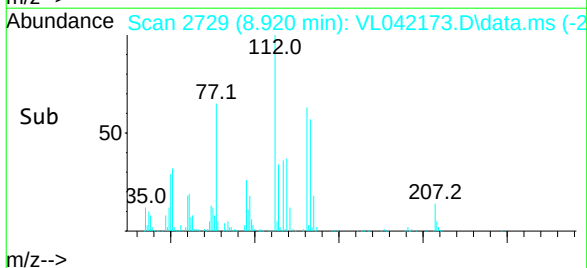
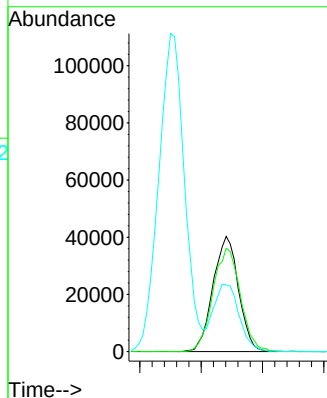
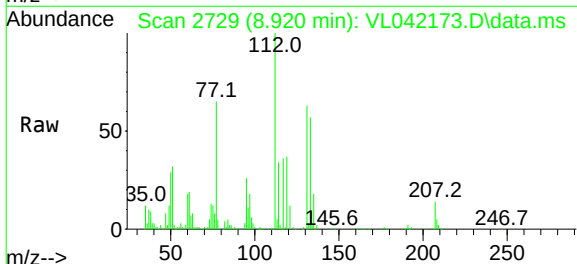
RT: 8.920 min Scan# 2729

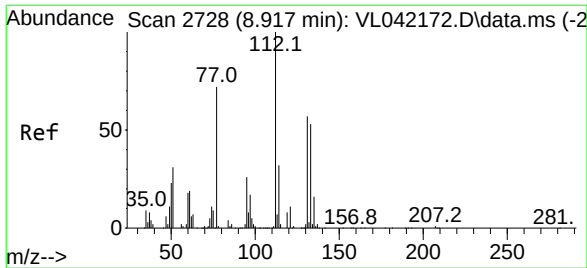
Delta R.T. 0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:	131	Resp:	58141
Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.6	114.8
119	58.3	49.8	74.6





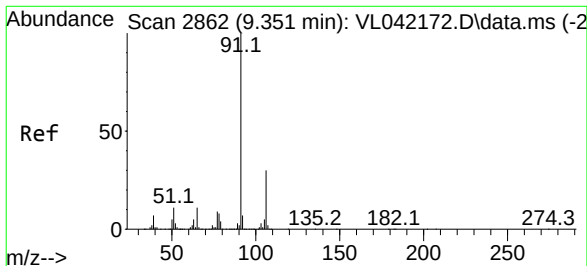
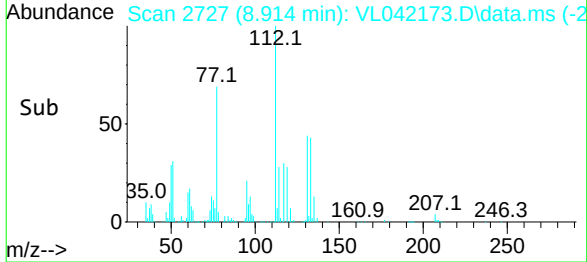
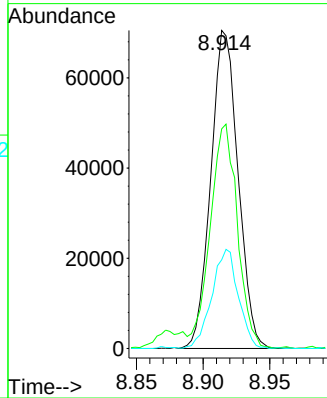
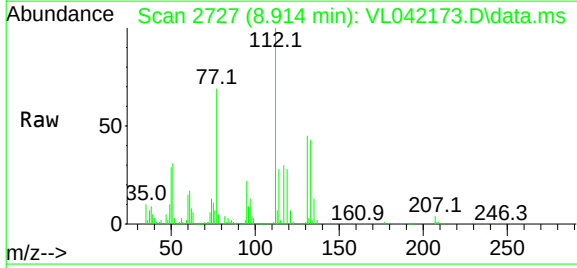
#57
Chlorobenzene
Concen: 2.096 ppbv
RT: 8.914 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 112 Resp: 100308
Ion Ratio Lower Upper
112 100
77 68.8 58.2 87.2
114 27.8 29.1 35.5#

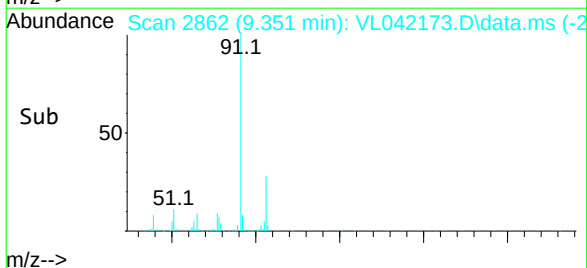
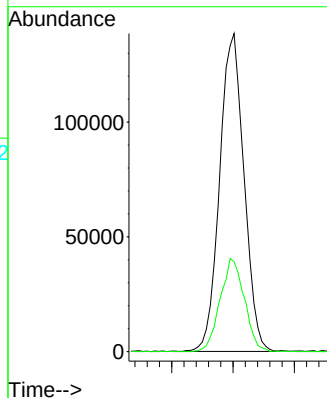
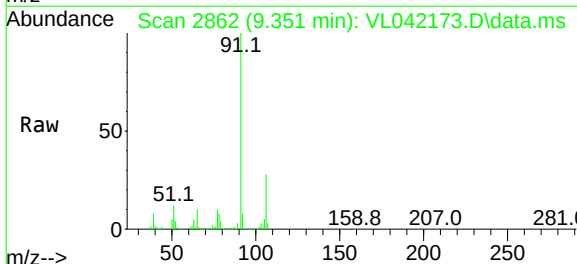
Manual Integrations
APPROVED

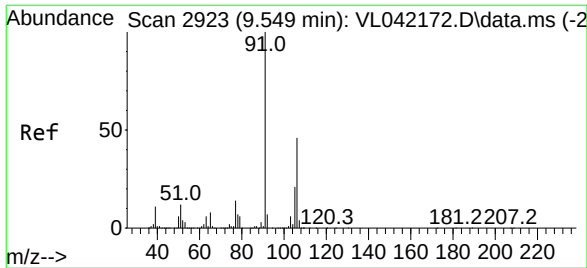
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 2.132 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 191114
Ion Ratio Lower Upper
91 100
106 28.3 24.2 36.2





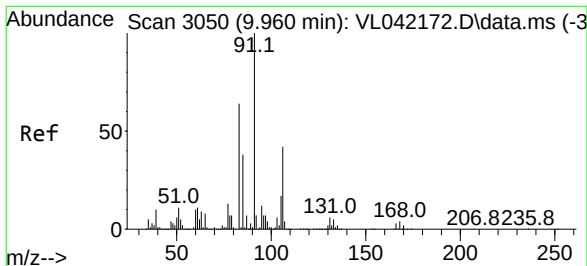
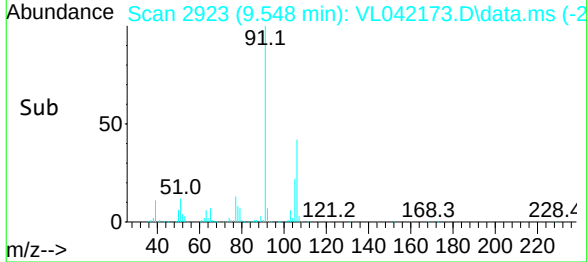
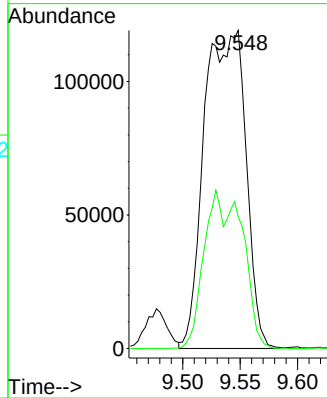
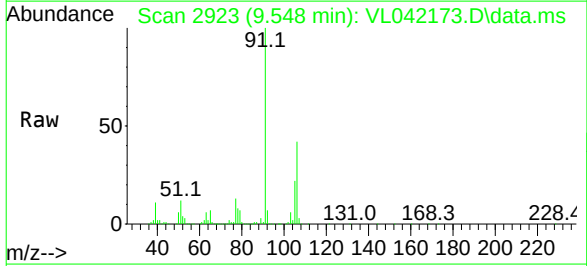
#59
m/p-Xylene
Concen: 4.181 ppbv m
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 91 Resp: 299531
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#

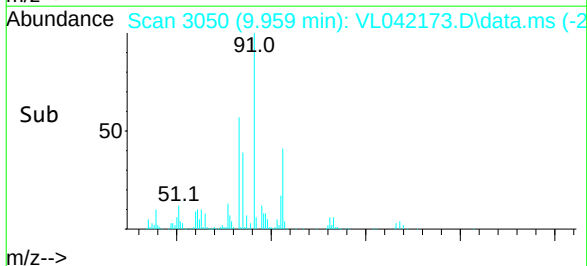
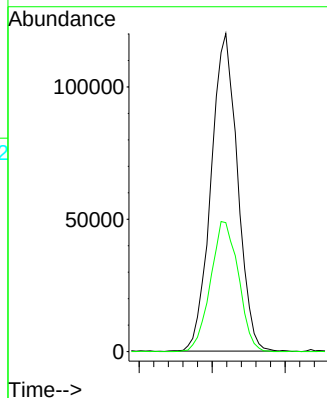
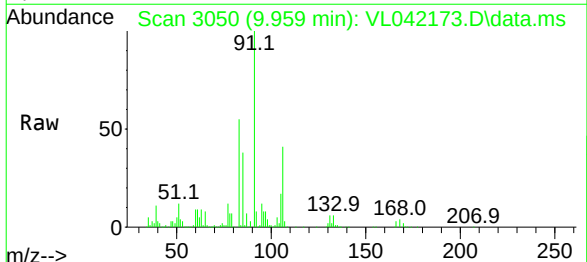
Manual Integrations
APPROVED

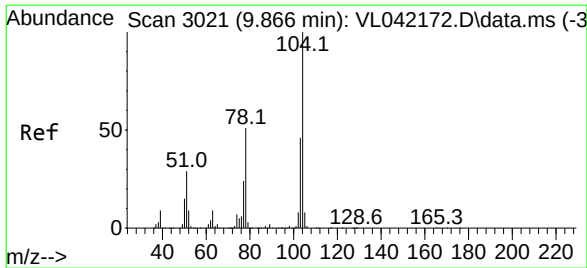
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 2.109 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

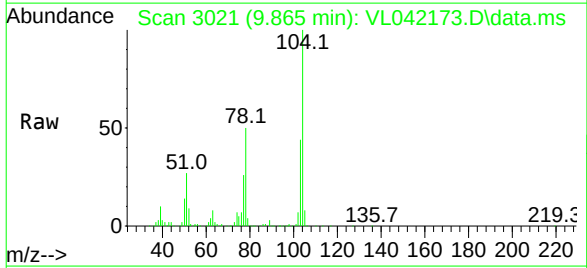
Tgt Ion: 91 Resp: 151292
Ion Ratio Lower Upper
91 100
106 43.2 20.8 62.5





#61
Styrene
Concen: 2.089 ppbv
RT: 9.865 min Scan# 3021
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

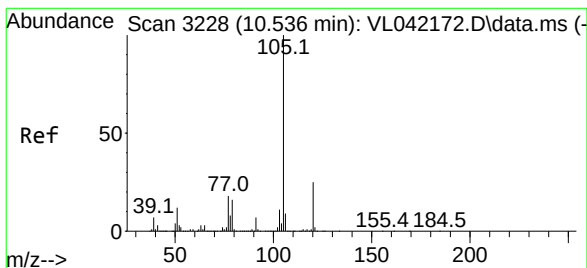
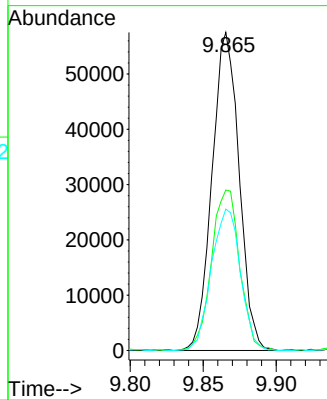
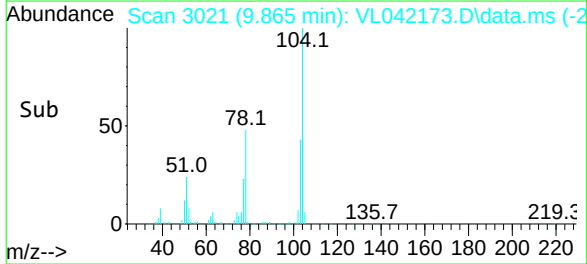
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion:104 Resp: 74134
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.6
103 47.8 37.0 55.4

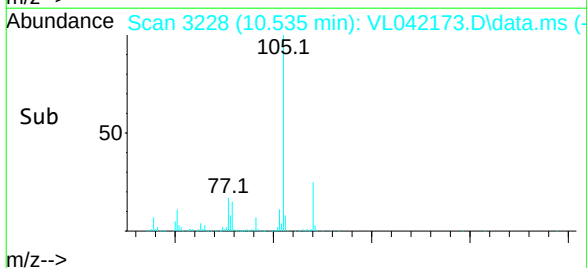
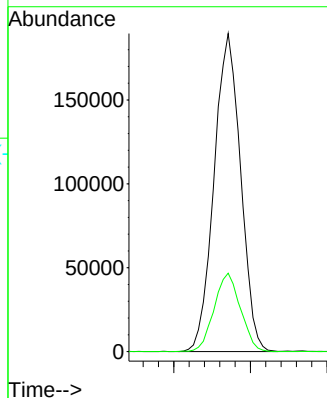
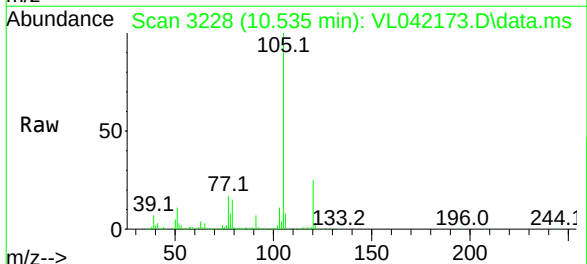
Manual Integrations
APPROVED

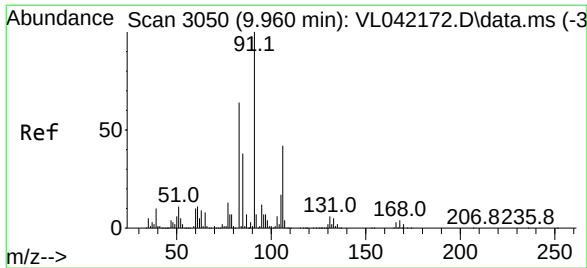
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62
Isopropylbenzene
Concen: 2.127 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

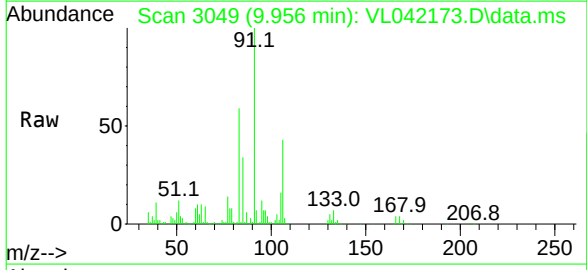
Tgt Ion:105 Resp: 228191
Ion Ratio Lower Upper
105 100
120 24.4 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 2.067 ppbv
RT: 9.956 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

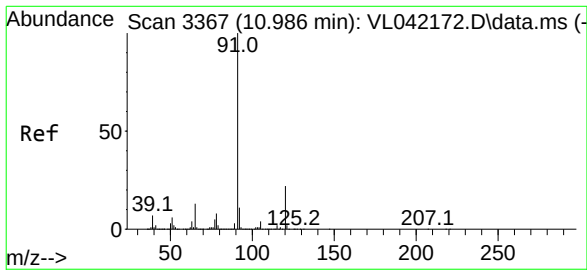
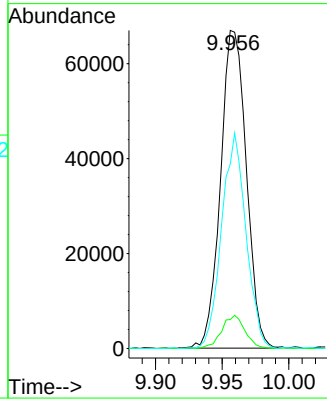
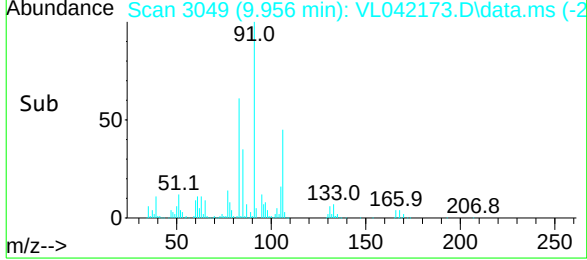
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion: 83 Resp: 90114
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 64.4 32.5 97.5

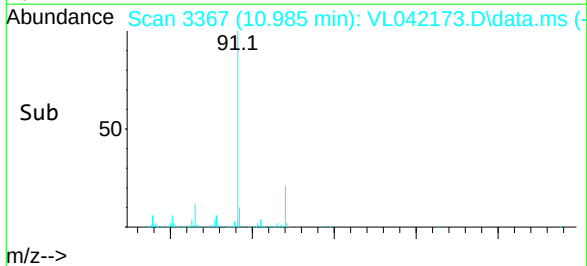
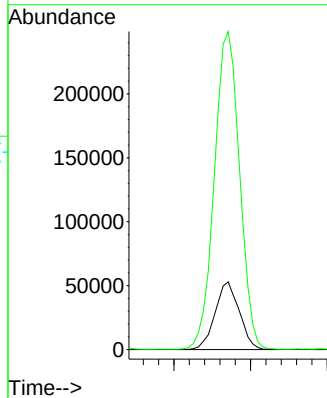
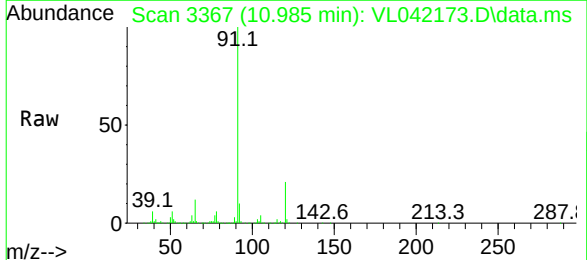
Manual Integrations
APPROVED

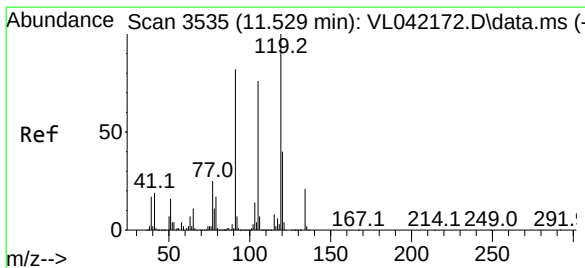
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 2.104 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:120 Resp: 58105
Ion Ratio Lower Upper
120 100
91 491.1 376.9 565.3





#65

tert-Butylbenzene

Concen: 2.180 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

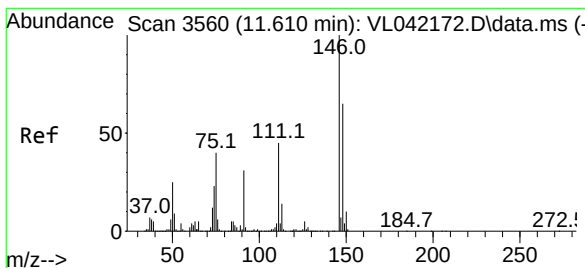
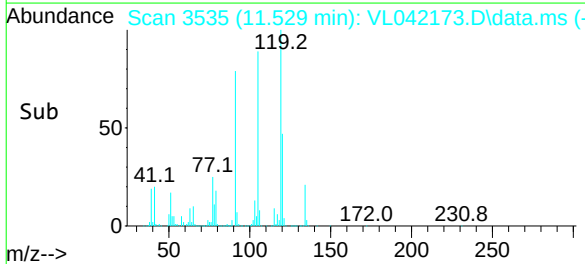
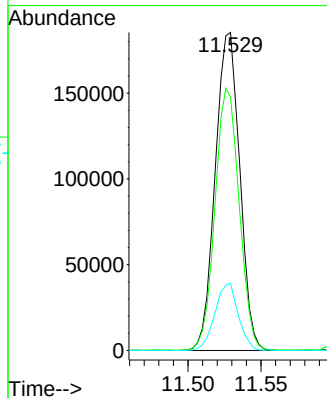
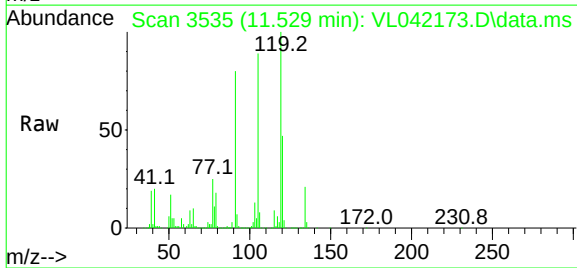
VSTDIC002

Tgt Ion:	119	Resp:	216336
Ion	Ratio	Lower	Upper
119	100		
91	81.5	66.0	99.0
134	20.2	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 2.116 ppbv

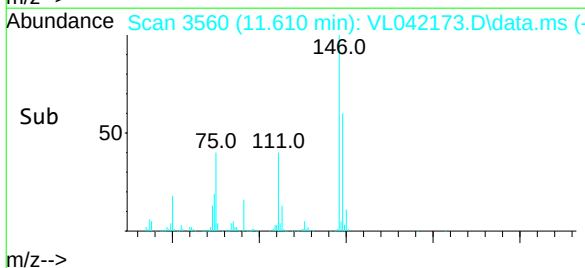
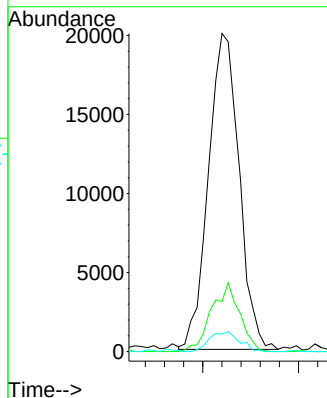
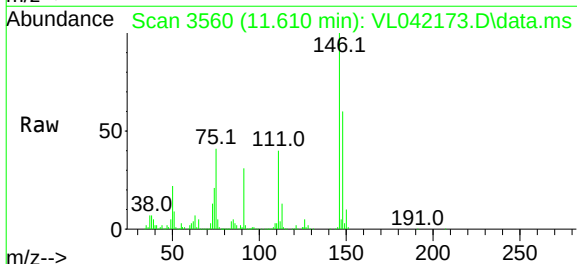
RT: 11.610 min Scan# 3560

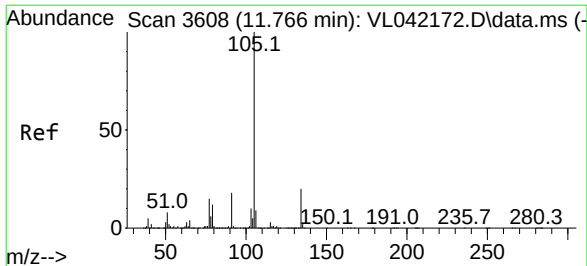
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:	91	Resp:	22272
Ion	Ratio	Lower	Upper
91	100		
126	20.0	13.8	20.6
128	6.5	4.5	6.7





#67

sec-Butylbenzene

Concen: 2.156 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 105 Resp: 297381

Ion Ratio Lower Upper

105 100

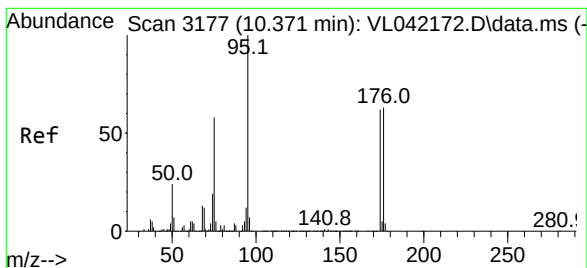
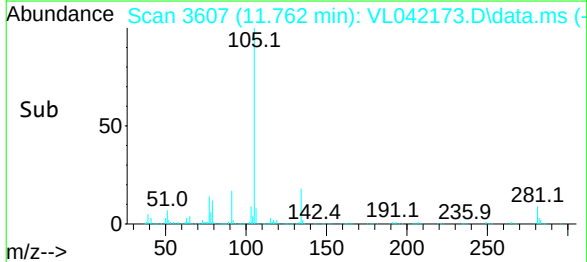
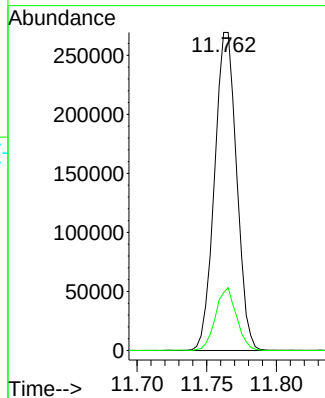
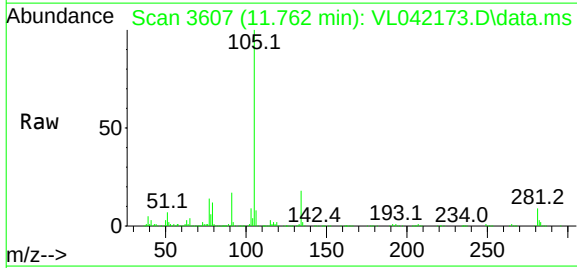
134 18.8 15.5 23.3

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025

Supervised By : Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.077 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

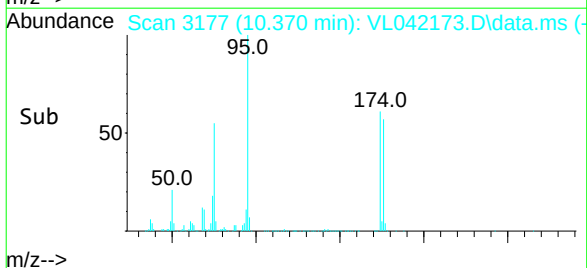
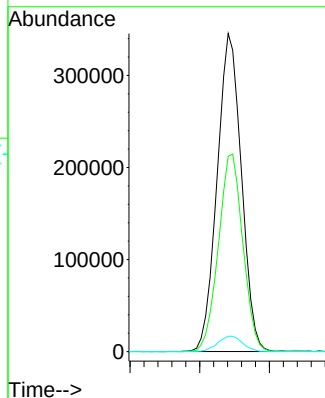
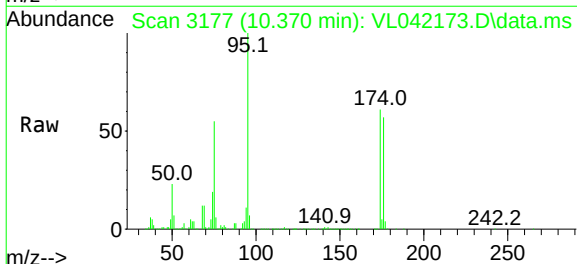
Tgt Ion: 95 Resp: 417532

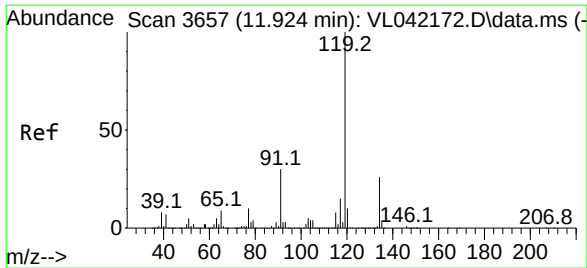
Ion Ratio Lower Upper

95 100

174 62.6 50.6 76.0

175 5.0 3.8 5.6





#69

p-Isopropyltoluene

Concen: 2.176 ppbv

RT: 11.921 min Scan# 3657

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

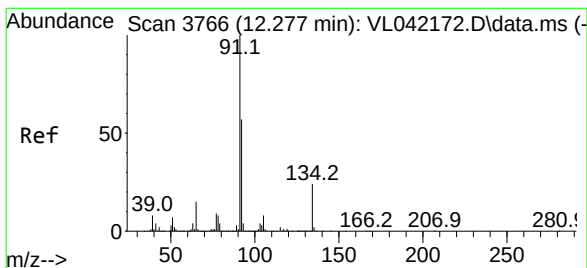
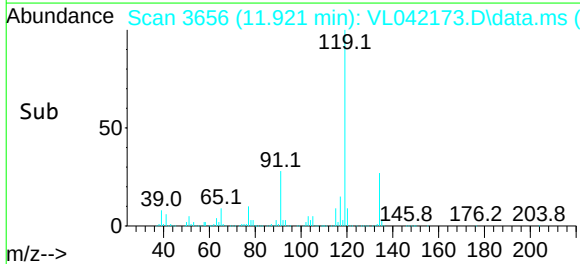
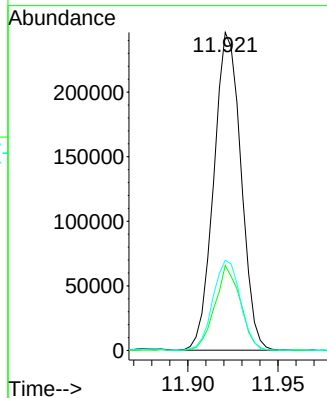
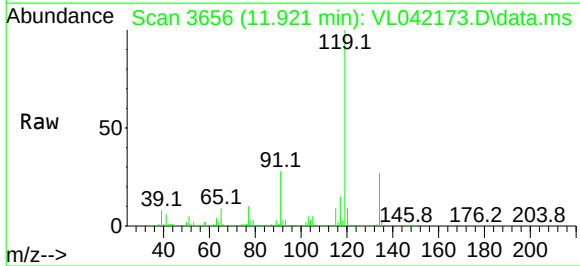
VSTDICC002

Tgt Ion:	119	Resp:	258357
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.4	30.6
91	29.5	23.7	35.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#70

n-Butylbenzene

Concen: 2.228 ppbv

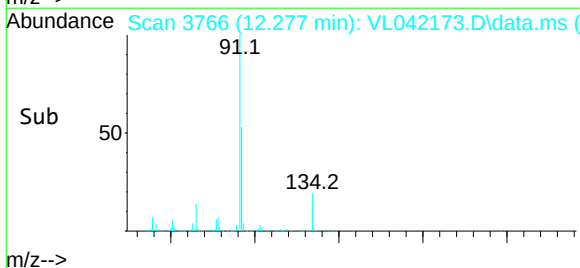
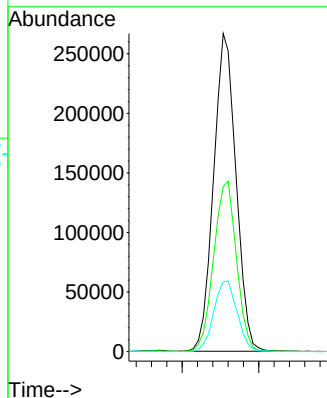
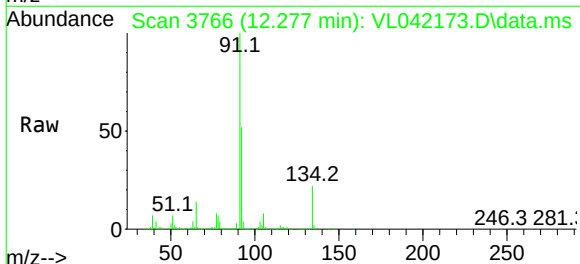
RT: 12.277 min Scan# 3766

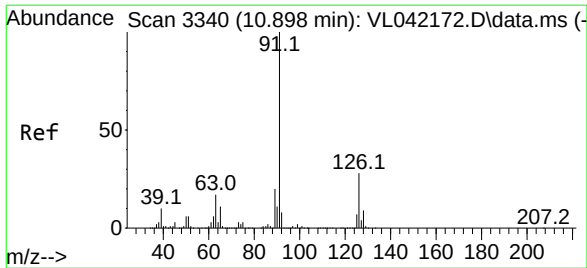
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:	91	Resp:	270616
Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.9	67.3
134	23.3	19.2	28.8





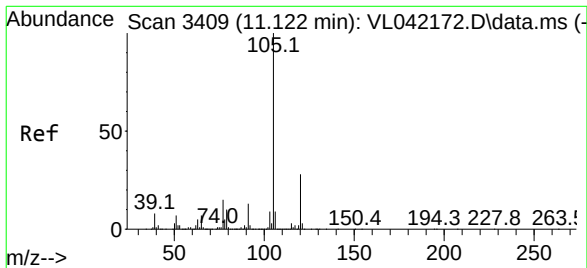
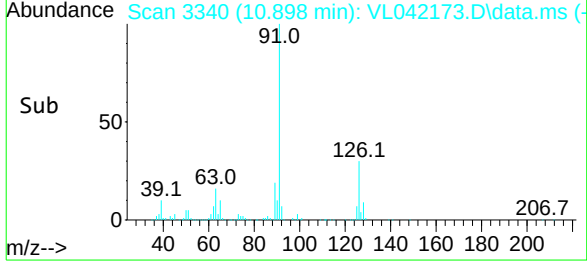
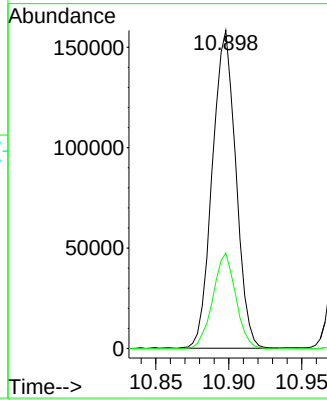
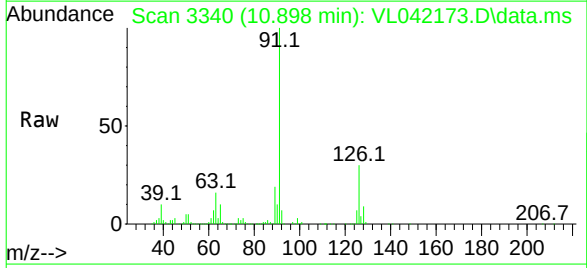
#71
2-Chlorotoluene
Concen: 2.132 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 91 Resp: 177487
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.4

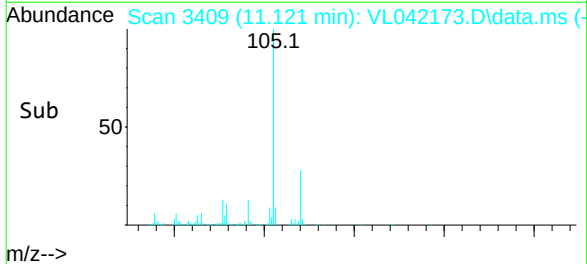
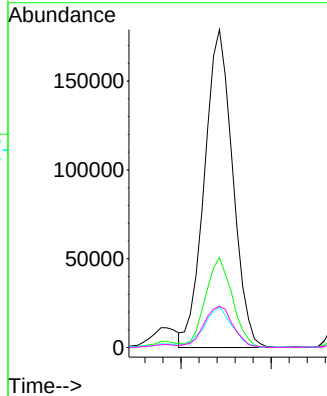
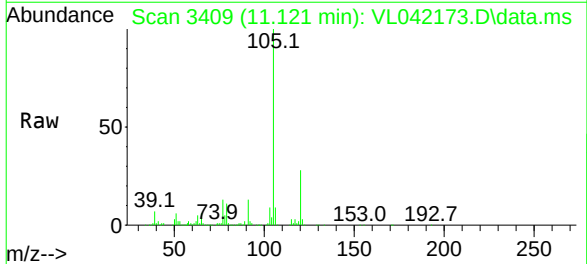
Manual Integrations
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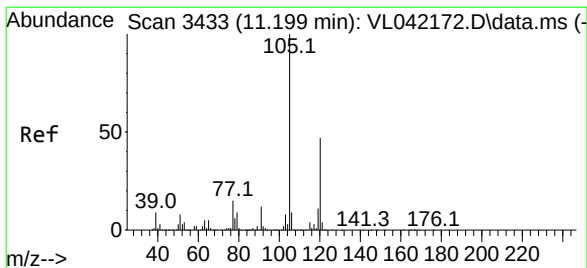
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 2.179 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 194660
Ion Ratio Lower Upper
105 100
120 29.1 23.4 35.0
91 13.7 10.3 15.5
77 14.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 2.169 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:105 Resp: 169221

Ion Ratio Lower Upper

105 100

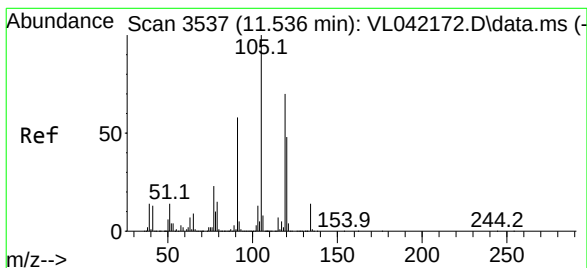
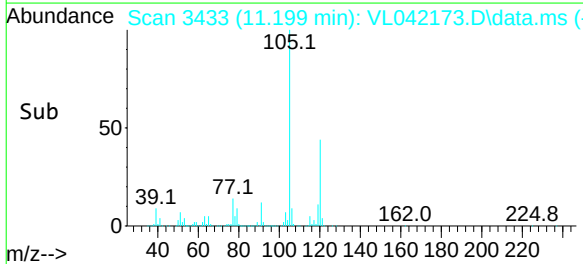
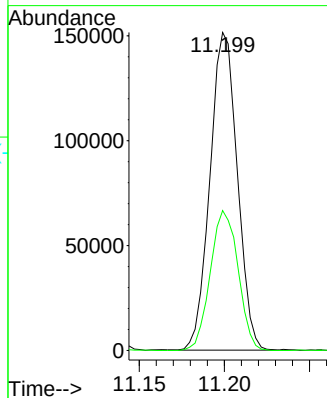
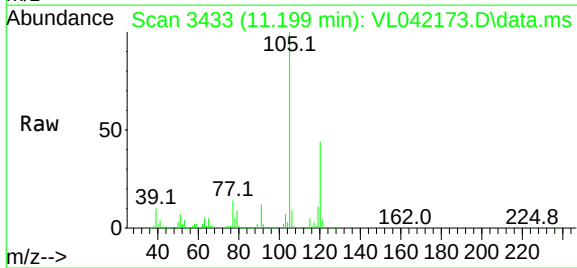
120 44.0 37.4 56.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.207 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 198351

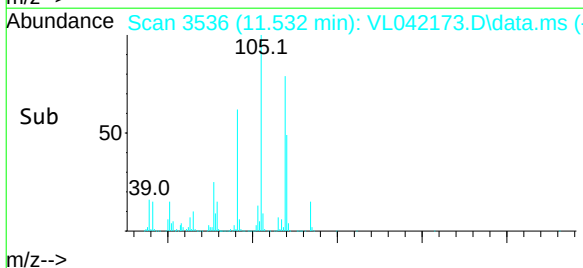
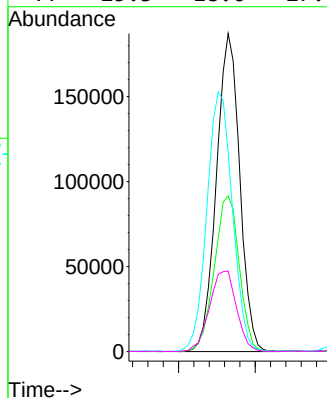
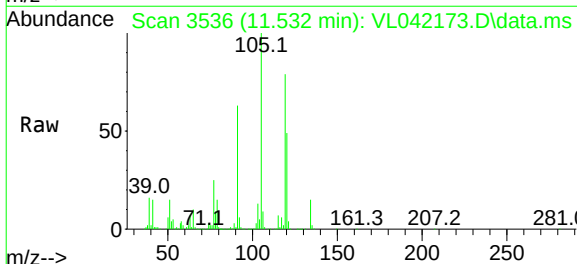
Ion Ratio Lower Upper

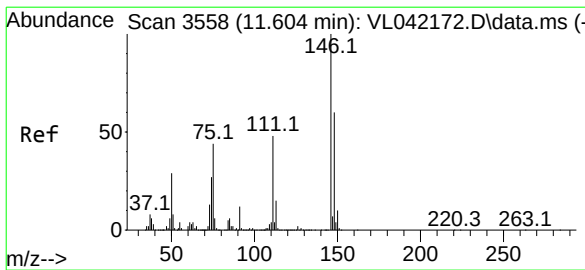
105 100

120 49.0 38.6 58.0

91 62.4 46.2 69.2

77 25.3 18.6 27.8





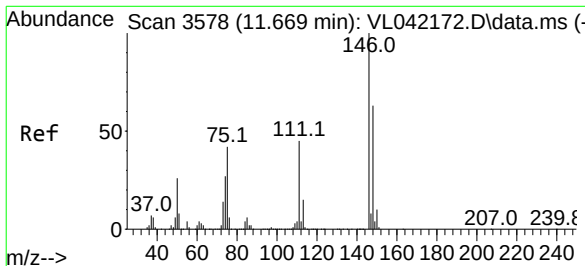
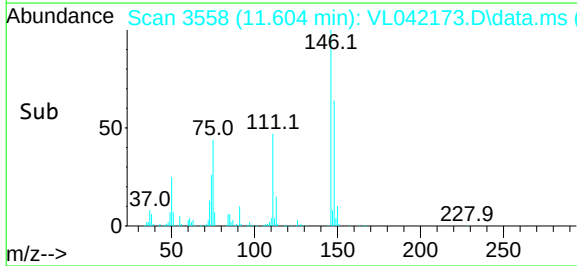
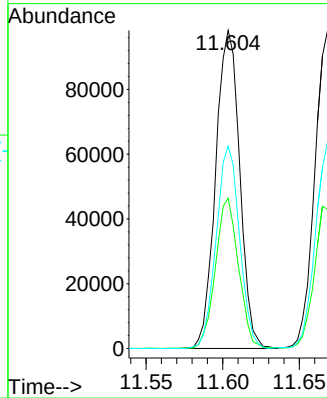
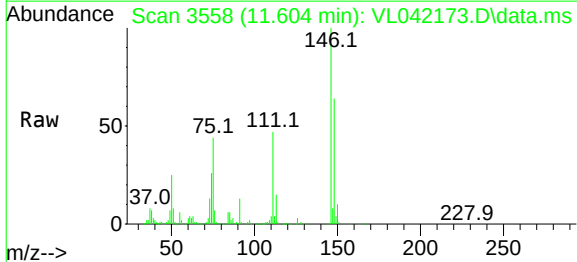
#75
1,3-Dichlorobenzene
Concen: 2.175 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 107217
Ion Ratio Lower Upper
146 100
111 45.5 23.8 71.2
148 61.6 31.9 95.9

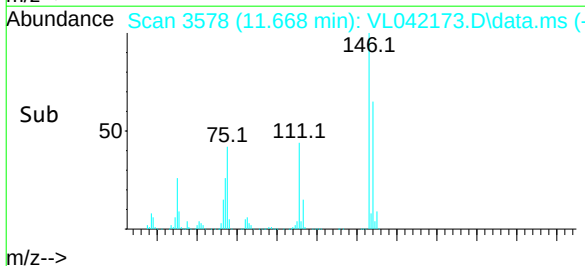
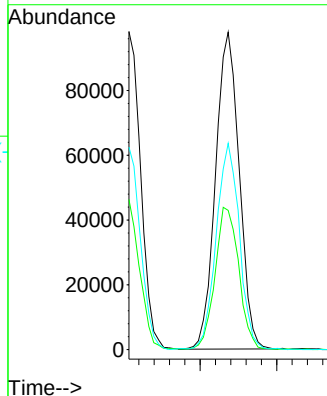
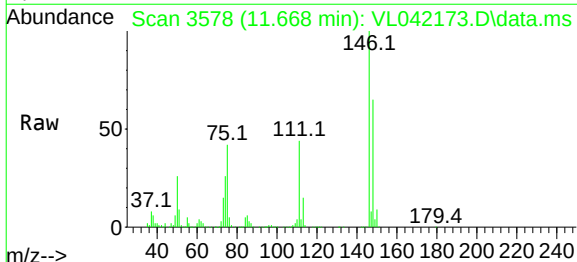
Manual Integrations
APPROVED

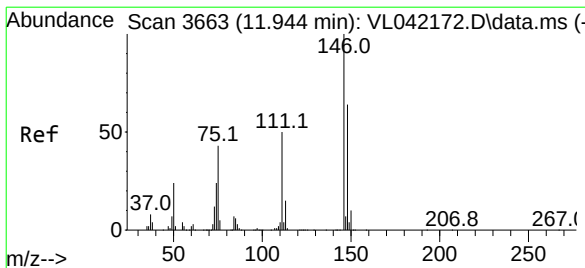
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76
1,4-Dichlorobenzene
Concen: 2.139 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:146 Resp: 104925
Ion Ratio Lower Upper
146 100
111 45.3 23.0 69.0
148 64.0 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 2.132 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.000 min

Lab File: VL042173.D

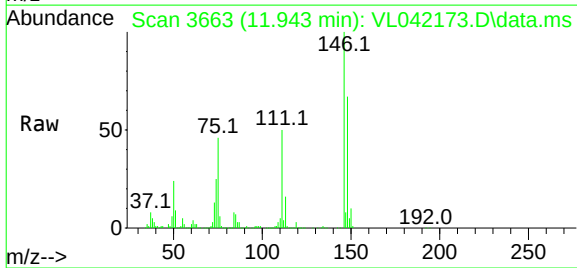
Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:146 Resp: 102310

Ion Ratio Lower Upper

146 100

111 48.8 24.8 74.3

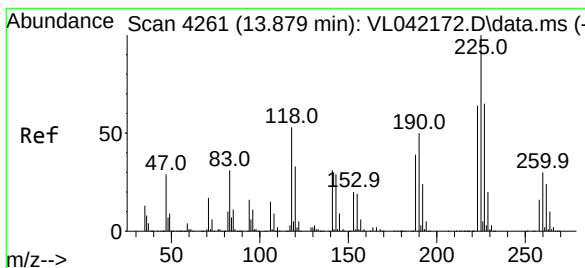
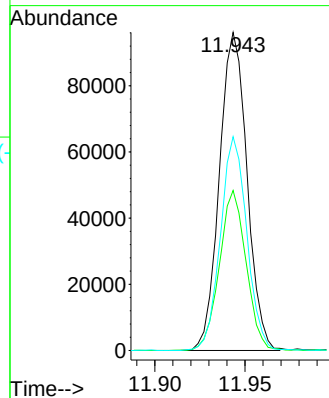
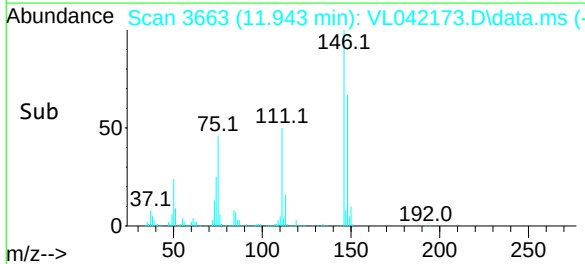
148 64.6 31.6 94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

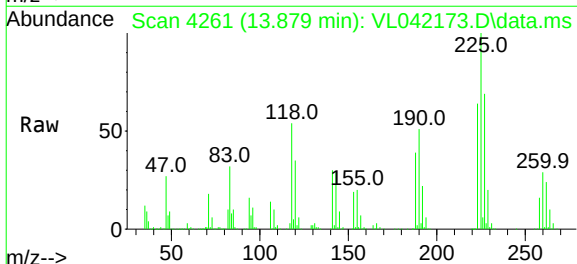
Concen: 2.242 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59



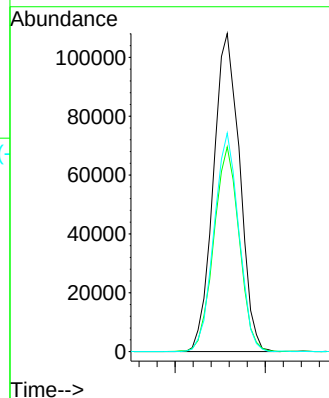
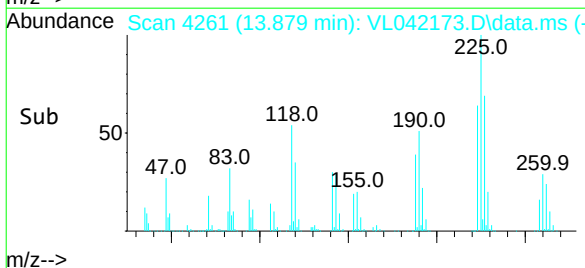
Tgt Ion:225 Resp: 109539

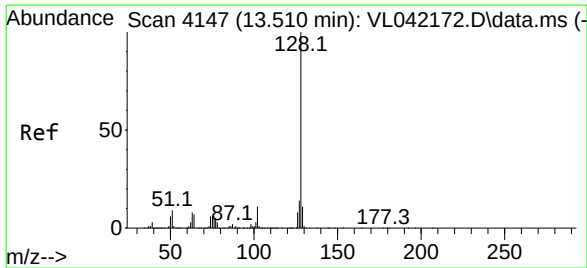
Ion Ratio Lower Upper

225 100

223 62.2 50.6 76.0

227 64.9 51.2 76.8





#79

Naphthalene

Concen: 2.375 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

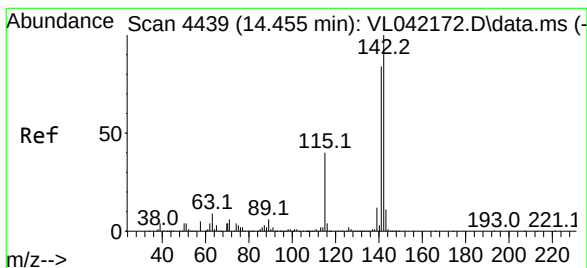
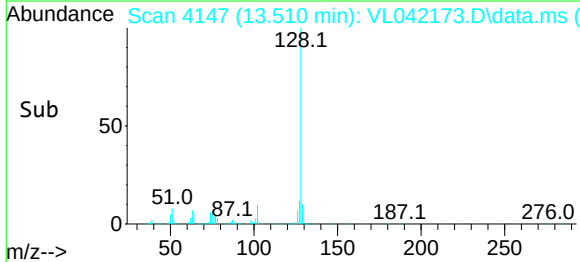
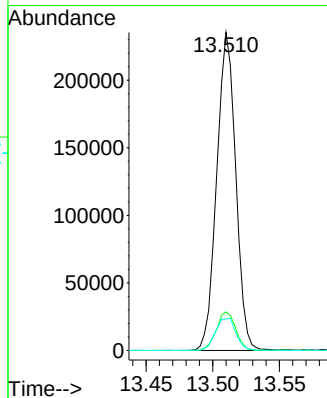
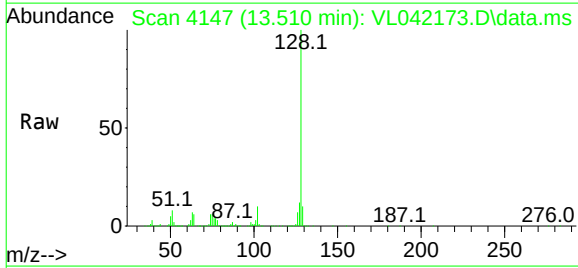
VSTDICC002

Tgt Ion:	128	Resp:	233451
Ion Ratio	Lower	Upper	
128	100		
127	12.1	10.8	16.2
129	9.9	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene, 2-methyl-

Concen: 2.451 ppbv

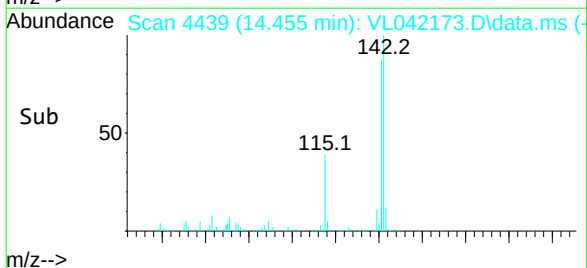
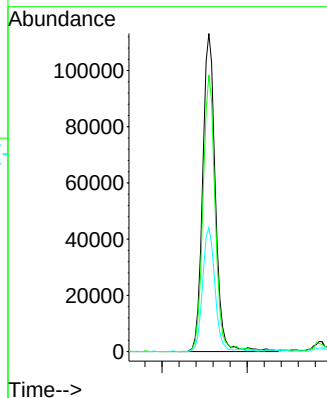
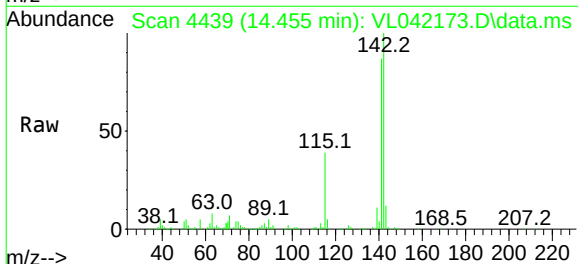
RT: 14.455 min Scan# 4439

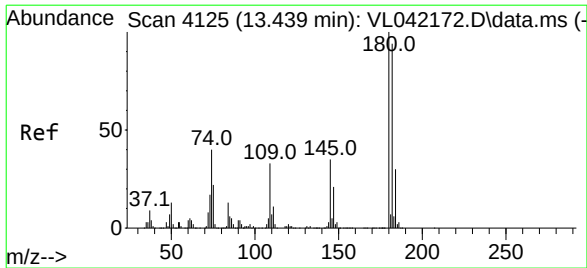
Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

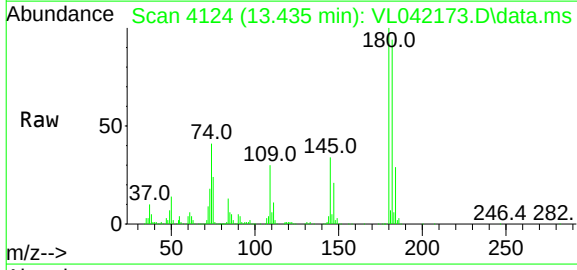
Tgt Ion:	142	Resp:	117313
Ion Ratio	Lower	Upper	
142	100		
141	83.5	66.3	99.5
115	38.5	31.6	47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 2.288 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

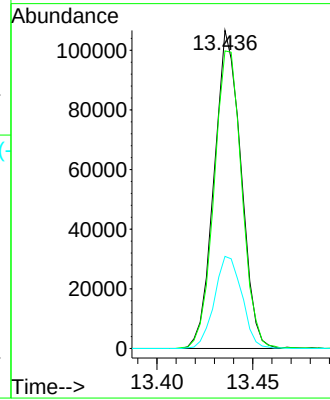
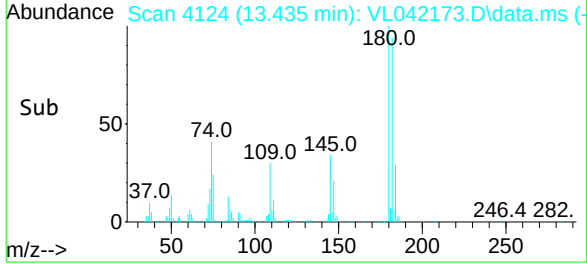
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:	180	Resp:	103765
Ion Ratio	Lower	Upper	
180	100		
182	97.0	75.1	112.7
184	29.6	24.4	36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042174.D
 Acq On : 27 Mar 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:33:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	186244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	537244	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	499830	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.371	95	404753	9.861	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	28203	1.026	ppbv	99
3) Chlorodifluoromethane	1.473	51	28693	1.021	ppbv	94
4) Chloromethane	1.531	50	11111	0.989	ppbv	99
5) Vinyl Chloride	1.577	62	10723	0.936	ppbv	98
6) Bromomethane	1.667	94	4984	0.979	ppbv	97
7) Chloroethane	1.703	64	4622	1.025	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	23886	1.020	ppbv	98
9) Propene	1.483	41	13699m	1.082	ppbv	
10) Heptane	4.975	43	36132	1.055	ppbv	100
11) Trichlorofluoromethane	1.875	101	27136	1.014	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	22629	1.029	ppbv	99
13) Ethanol	1.719	45	1610m	1.624	ppbv	
14) Bromoethene	1.781	108	8330	0.989	ppbv #	82
15) Acetone	1.836	43	29294	1.125	ppbv	95
16) 1,3-Butadiene	1.606	39	13133	1.121	ppbv	97
17) tert-Butyl alcohol	2.040	59	33500	1.033	ppbv	97
18) 1,1-Dichloroethene	2.033	96	10532	1.024	ppbv	89
19) Isopropyl Alcohol	1.884	45	14903	1.014	ppbv #	38
20) Methylene Chloride	2.059	84	10481	1.080	ppbv	93
21) Allyl Chloride	2.095	41	19039	1.036	ppbv	99
22) trans-1,2-Dichloroethene	2.341	96	13051m	1.086	ppbv	
23) Vinyl Acetate	2.464	43	12883m	1.190	ppbv	
24) 1,1-Dichloroethane	2.409	63	22505	1.022	ppbv	99
25) Ethyl Acetate	2.836	43	67402	0.997	ppbv #	96
26) Hexane	2.823	57	27223	1.043	ppbv	98
27) Carbon Disulfide	2.146	76	28167	1.006	ppbv #	47
28) Methyl tert-Butyl Ether	2.441	73	16501	1.015	ppbv	95
29) Chloroform	2.845	83	38516	1.008	ppbv	96
30) Cyclohexane	3.852	84	23052	1.016	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	27187	1.026	ppbv	89
32) 1,1,1-Trichloroethane	3.363	97	40993	0.938	ppbv	99
34) 2-Butanone	2.557	43	41423	1.063	ppbv	98
35) Carbon Tetrachloride	3.758	117	39345	0.952	ppbv	93
36) Benzene	3.651	78	55156	1.036	ppbv	94
37) 1,2-Dichloroethane	3.218	62	30543	1.002	ppbv	98
38) Trichloroethene	4.545	130	21906	0.985	ppbv	93
39) 1,2-Dichloropropane	4.312	63	20020	1.032	ppbv	99
40) 1,4-Dioxane	4.593	88	10592m	1.052	ppbv	
41) Tetrahydrofuran	3.056	42	22818	1.029	ppbv	97
42) Bromodichloromethane	4.483	83	41864	0.996	ppbv	90
43) Methyl Methacrylate	4.875	69	24233m	1.078	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	90727	1.008	ppbv	96
45) t-1,3-Dichloropropene	6.403	75	23993m	0.992	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042174.D
 Acq On : 27 Mar 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:33:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	30063	1.014	ppbv	93
47) 1,1,2-Trichloroethane	6.577	97	20546	1.002	ppbv	96
48) Dibromochloromethane	7.383	129	34425	0.991	ppbv	100
49) Bromoform	9.481	173	31610	1.013	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	65226m	1.056	ppbv	
51) 2-Hexanone	7.438	43	54680	1.067	ppbv #	100
52) Tetrachloroethene	8.222	164	19415	0.919	ppbv	95
53) Toluene	6.927	91	64612	1.023	ppbv	99
54) 1,2-Dibromoethane	7.652	107	28879	1.009	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.924	131	28764	1.045	ppbv #	87
57) Chlorobenzene	8.917	112	48930	1.032	ppbv	93
58) Ethyl Benzene	9.348	91	91086	1.026	ppbv	97
59) m/p-Xylene	9.529	91	147162m	2.073	ppbv	
60) o-Xylene	9.960	91	73702	1.037	ppbv	96
61) Styrene	9.866	104	36110	1.027	ppbv	97
62) Isopropylbenzene	10.536	105	109897	1.034	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.960	83	44431	1.029	ppbv	99
64) n-propylbenzene	10.986	120	29054	1.062	ppbv	98
65) tert-Butylbenzene	11.526	119	103520	1.053	ppbv	96
66) Benzyl Chloride	11.614	91	10660	1.022	ppbv #	93
67) sec-Butylbenzene	11.762	105	149660	1.095	ppbv	97
69) p-Isopropyltoluene	11.921	119	127509	1.084	ppbv	99
70) n-Butylbenzene	12.280	91	129860	1.079	ppbv	99
71) 2-Chlorotoluene	10.898	91	86356	1.047	ppbv	100
72) 4-Ethyltoluene	11.122	105	92912	1.050	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	83497	1.080	ppbv	92
74) 1,2,4-Trimethylbenzene	11.533	105	97858	1.099	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	51096	1.046	ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	50841	1.046	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	51523	1.084	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	55611	1.149	ppbv	97
79) Naphthalene	13.510	128	109031	1.120	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	44518	0.939	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	47040	1.047	ppbv	98

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

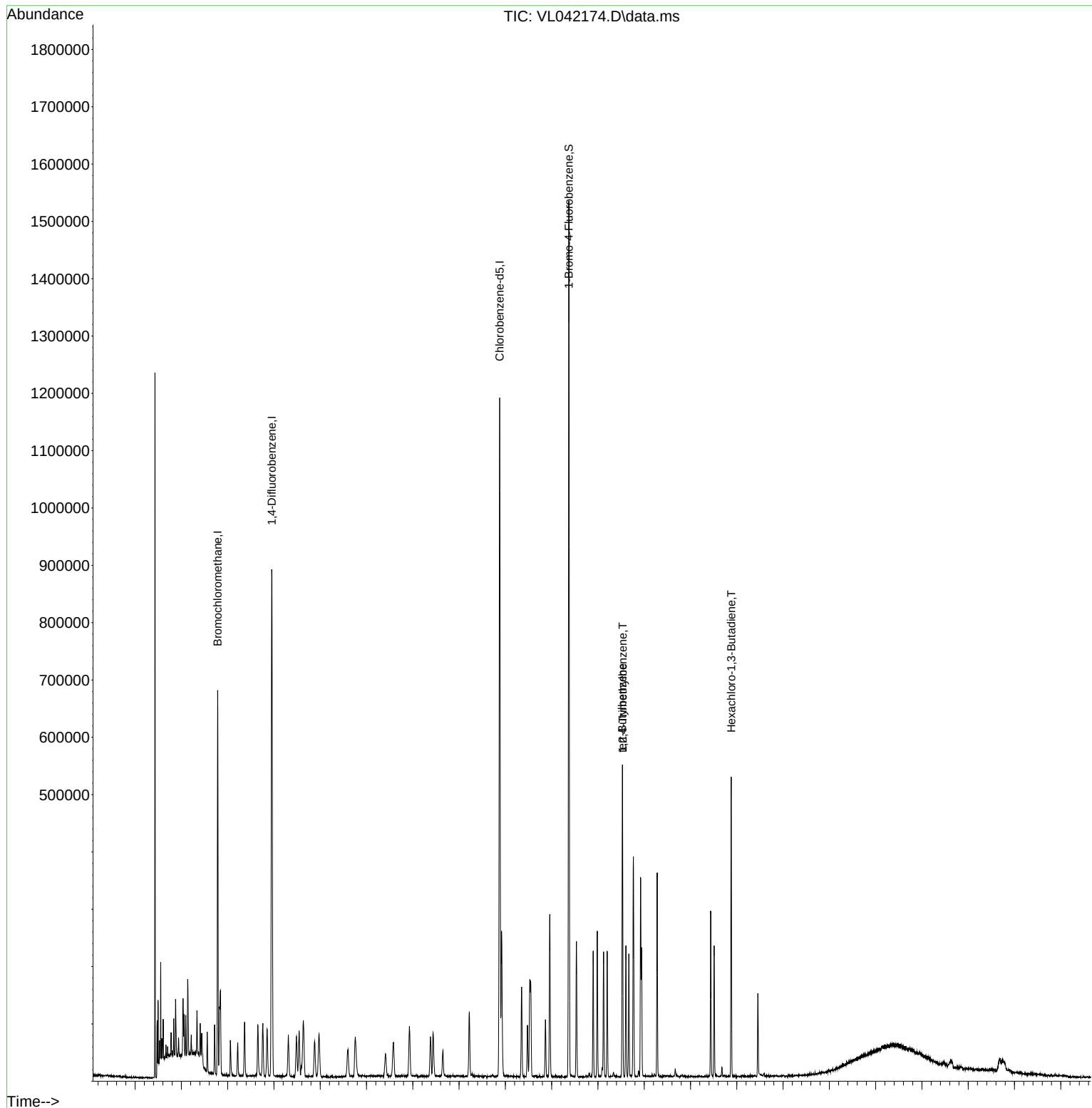
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042174.D
Acq On : 27 Mar 2025 09:30
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

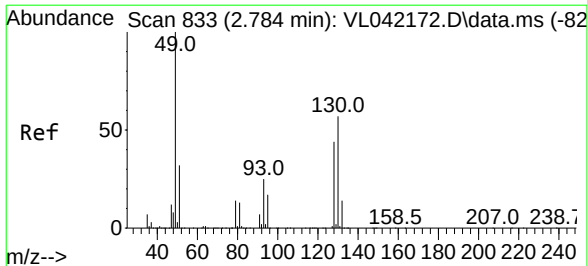
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

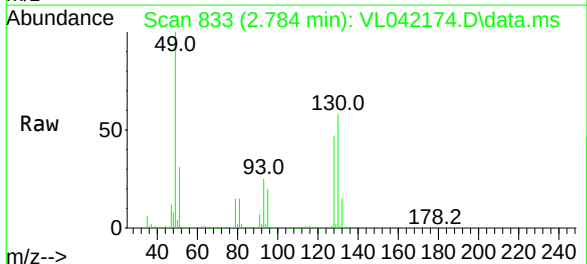
Quant Time: Mar 28 01:33:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

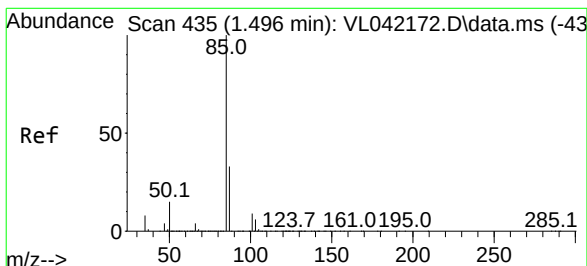
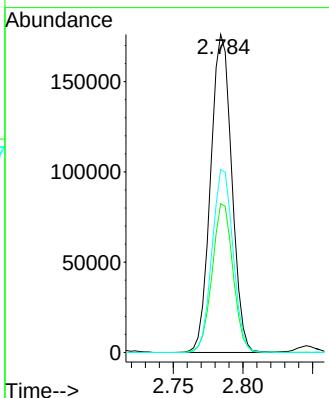
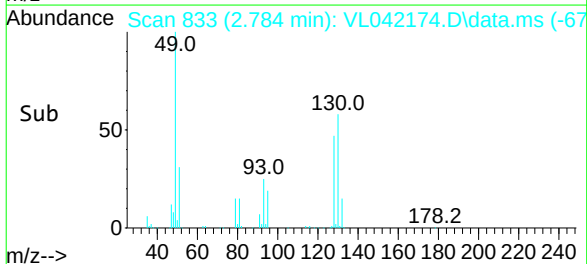
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



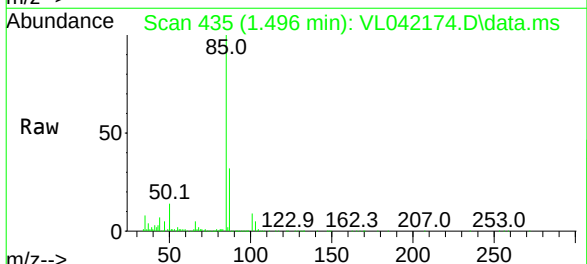
Tgt Ion: 49 Resp: 186244
Ion Ratio Lower Upper
49 100
128 46.2 22.9 68.5
130 57.0 28.8 86.4

Manual Integrations
APPROVED

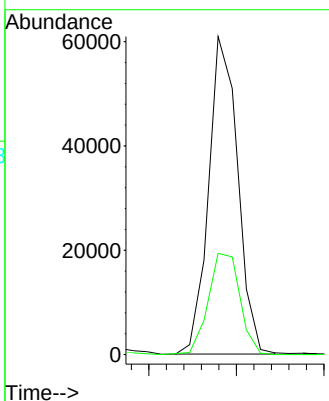
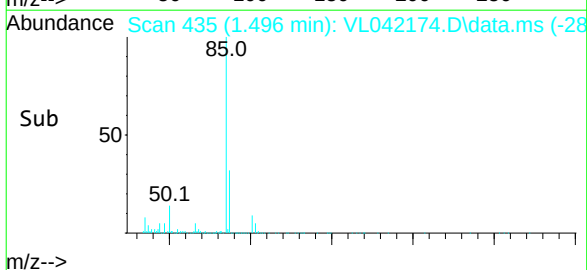
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

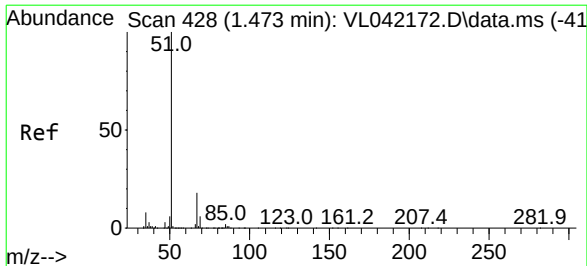


#2
Dichlorodifluoromethane
Concen: 1.026 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



Tgt Ion: 85 Resp: 28203
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1





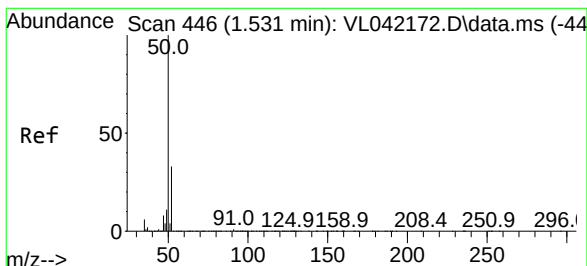
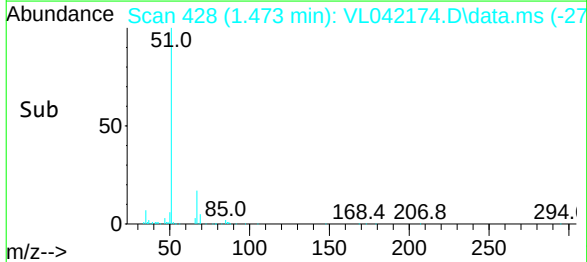
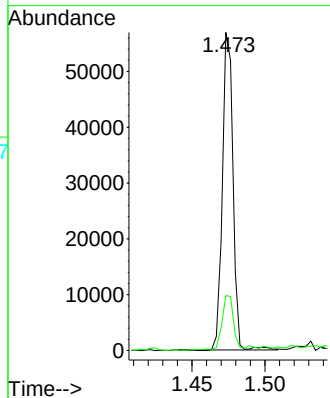
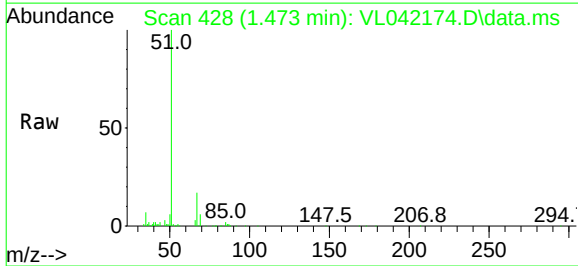
#3
Chlorodifluoromethane
Concen: 1.021 ppbv
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 28693
Ion Ratio Lower Upper
51 100
67 21.5 15.0 22.6

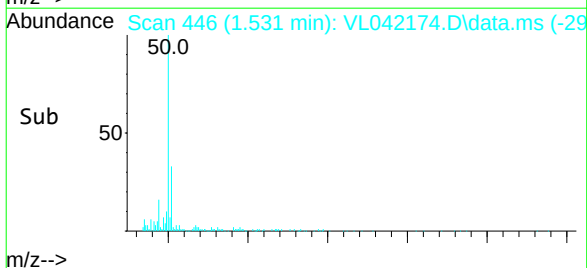
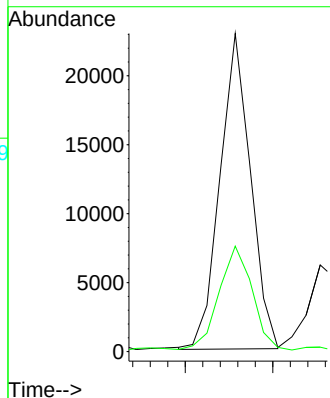
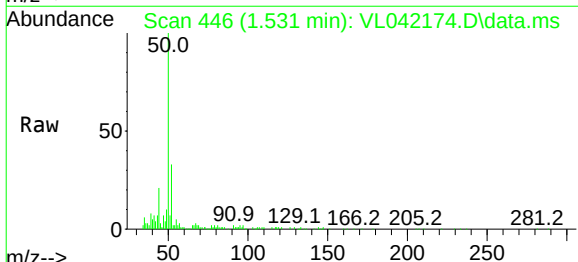
Manual Integrations
APPROVED

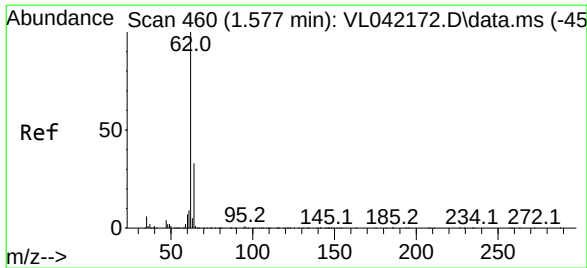
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 0.989 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 50 Resp: 11111
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1





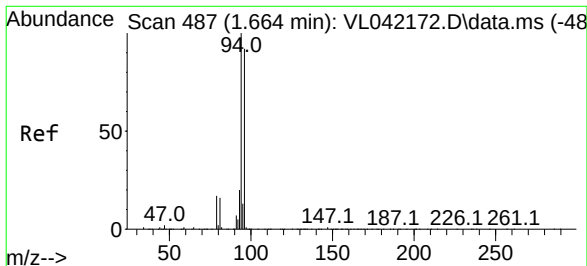
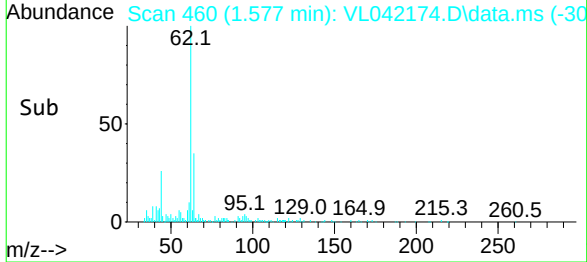
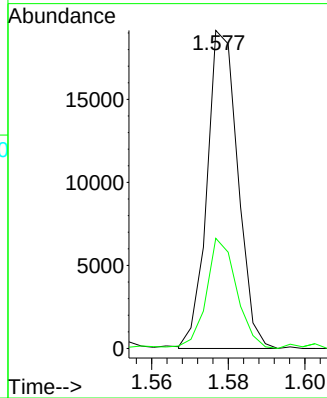
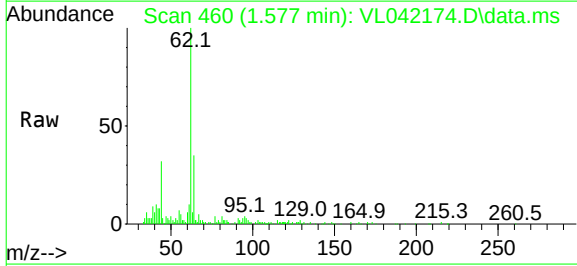
#5
 Vinyl Chloride
 Concen: 0.936 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 62 Resp: 10723
 Ion Ratio Lower Upper
 62 100
 64 34.6 26.6 40.0

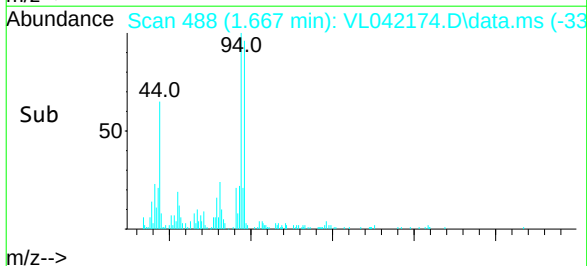
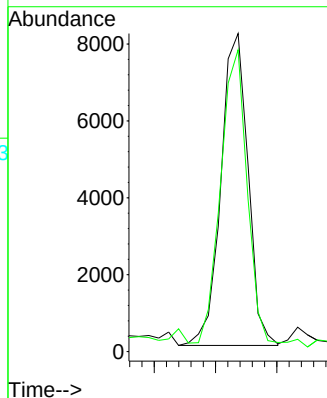
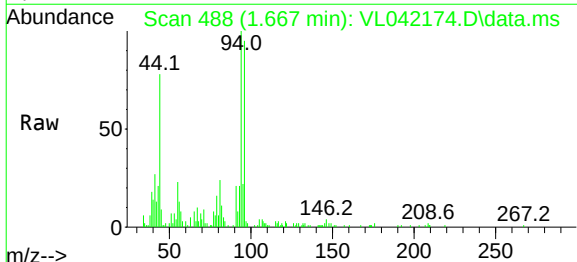
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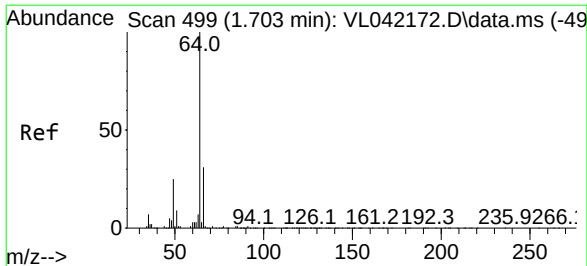
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 0.979 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

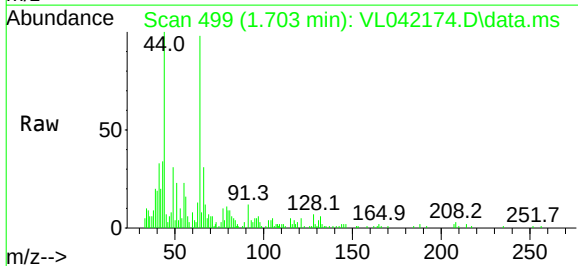
Tgt Ion: 94 Resp: 4984
 Ion Ratio Lower Upper
 94 100
 96 93.8 73.1 109.7





#7
Chloroethane
Concen: 1.025 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

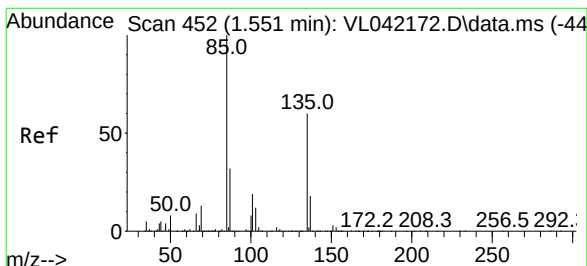
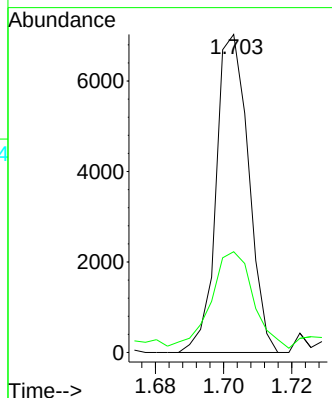
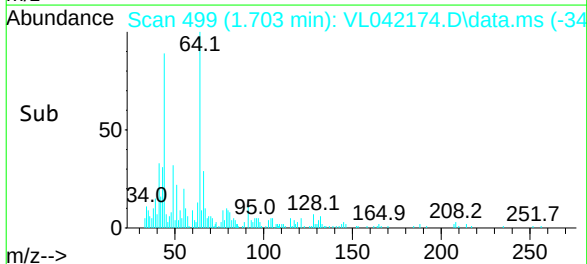
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



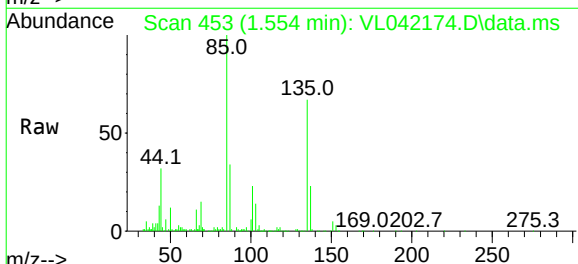
Tgt Ion: 64 Resp: 4622
Ion Ratio Lower Upper
64 100
66 31.7 25.2 37.8

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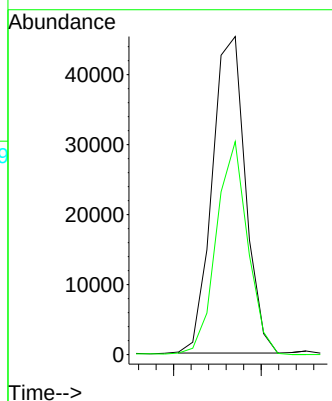
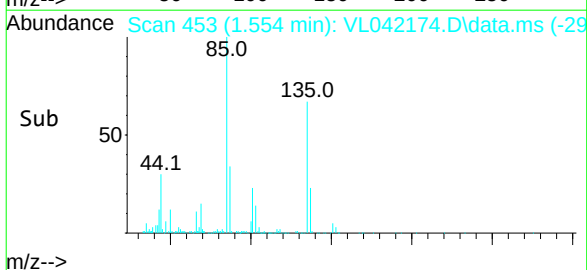
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

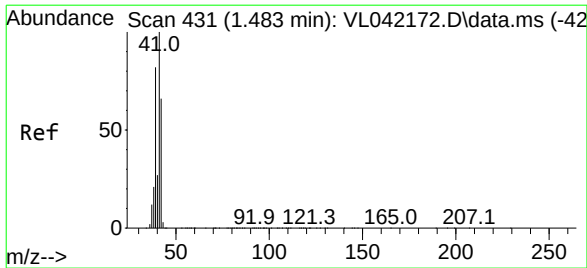


#8
Dichlorotetrafluoroethane
Concen: 1.020 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



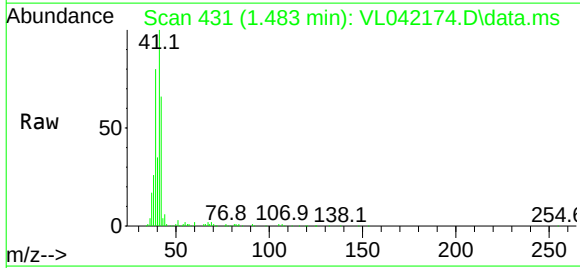
Tgt Ion: 85 Resp: 23886
Ion Ratio Lower Upper
85 100
135 64.2 52.4 78.6





#9
 Propene
 Concen: 1.082 ppbv m
 RT: 1.483 min Scan# 431
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

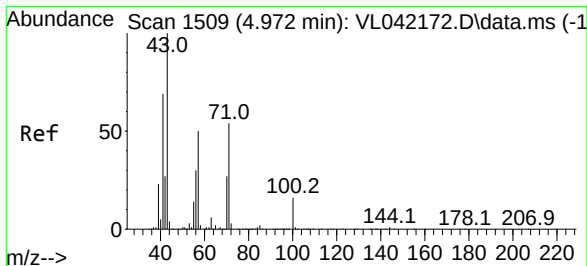
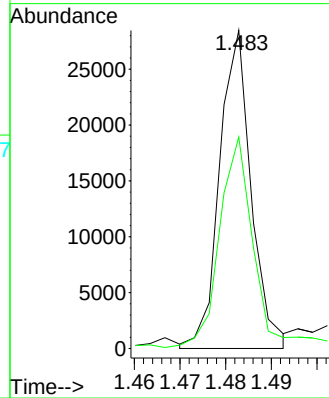
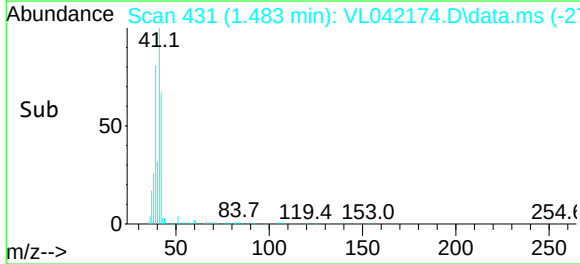
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



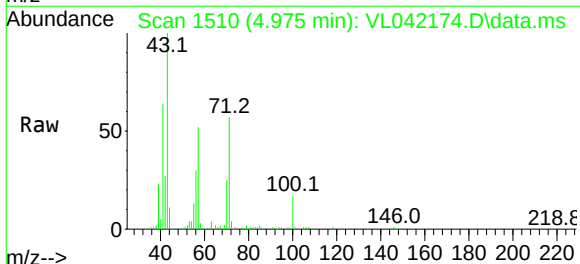
Tgt Ion: 41 Resp: 13699
 Ion Ratio Lower Upper
 41 100
 42 7.5 55.4 83.2#

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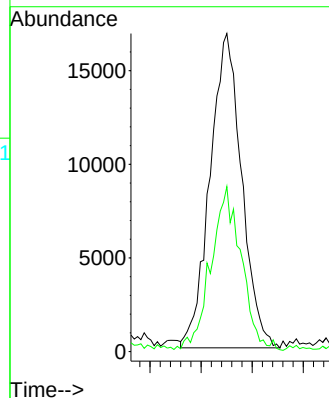
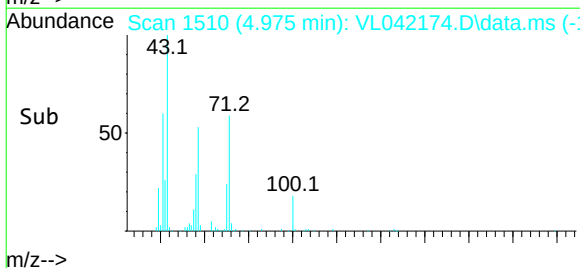
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

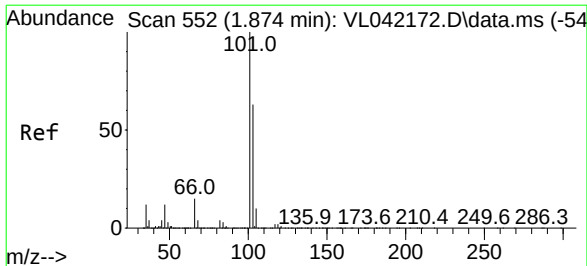


#10
 Heptane
 Concen: 1.055 ppbv
 RT: 4.975 min Scan# 1510
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30



Tgt Ion: 43 Resp: 36132
 Ion Ratio Lower Upper
 43 100
 57 49.6 39.4 59.2





#11

Trichlorofluoromethane

Concen: 1.014 ppbv

RT: 1.875 min Scan# 552

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:101 Resp: 27136

Ion Ratio Lower Upper

101 100

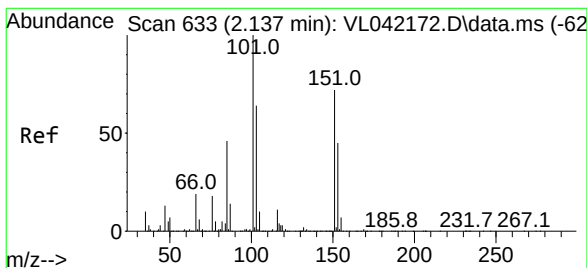
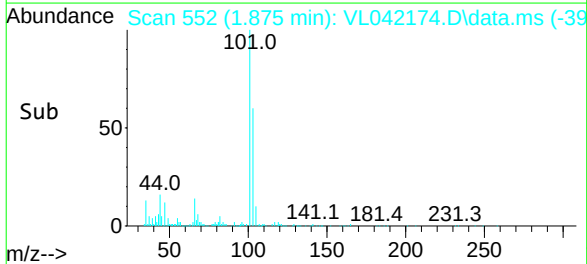
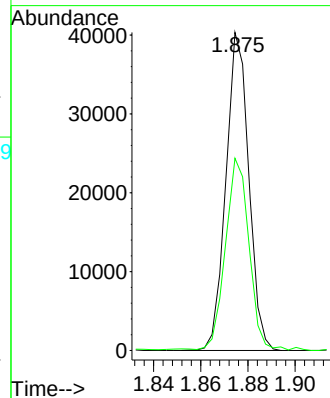
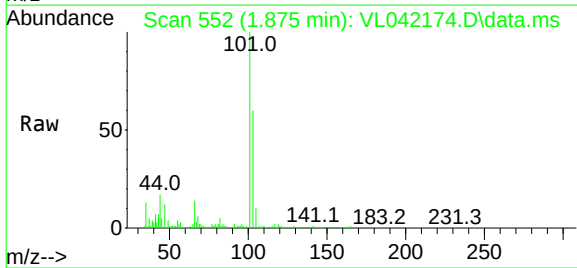
103 59.9 50.2 75.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.029 ppbv

RT: 2.137 min Scan# 633

Delta R.T. 0.000 min

Lab File: VL042174.D

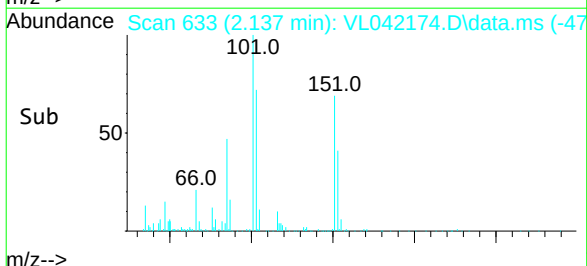
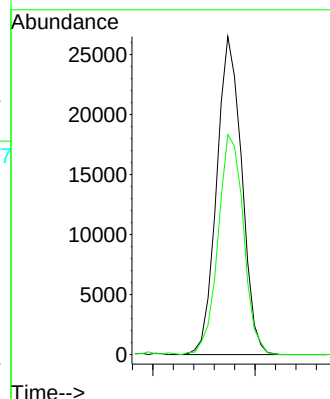
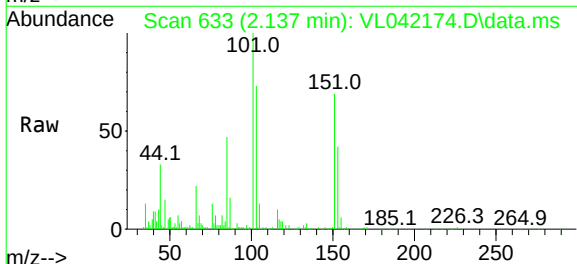
Acq: 27 Mar 2025 09:30

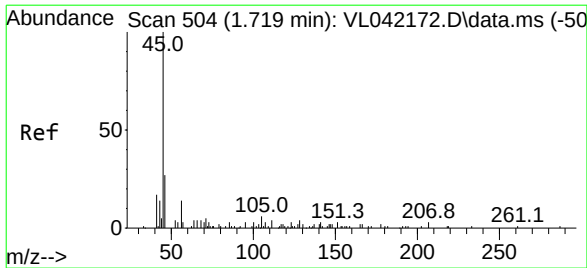
Tgt Ion:101 Resp: 22629

Ion Ratio Lower Upper

101 100

151 70.3 57.1 85.7





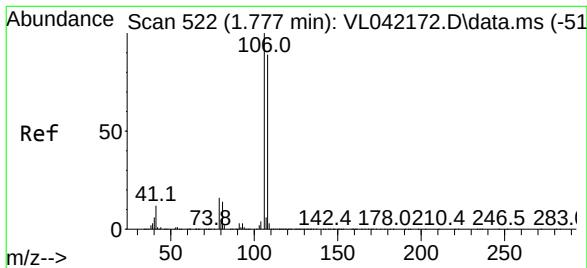
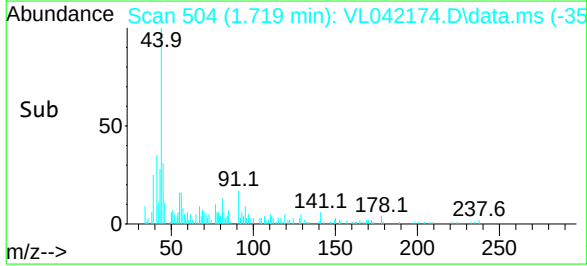
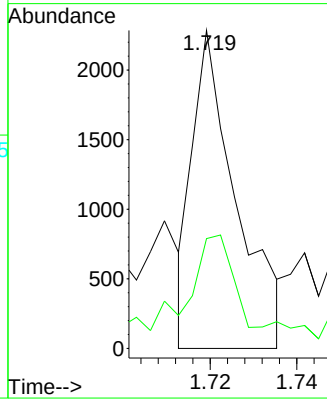
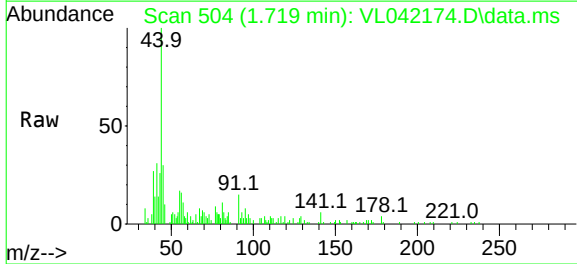
#13
Ethanol
Concen: 1.624 ppbv m
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 1610
Ion Ratio Lower Upper
45 100
46 73.4 20.2 80.8

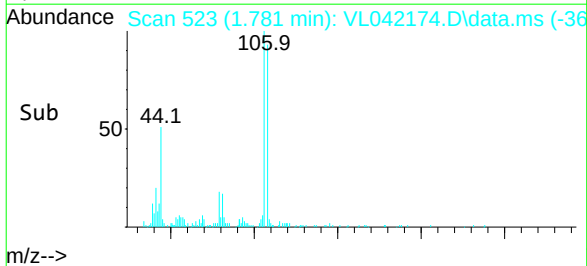
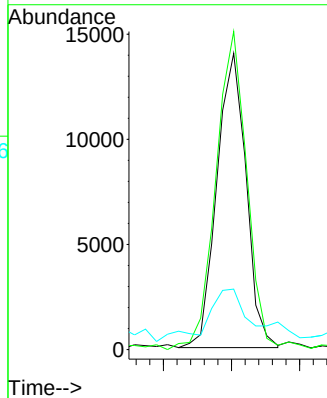
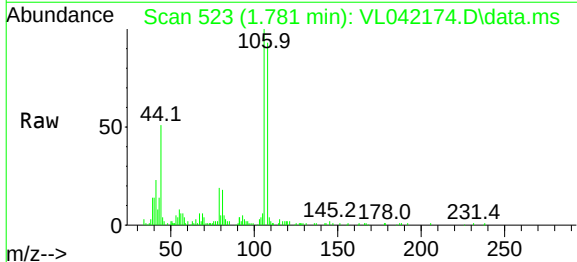
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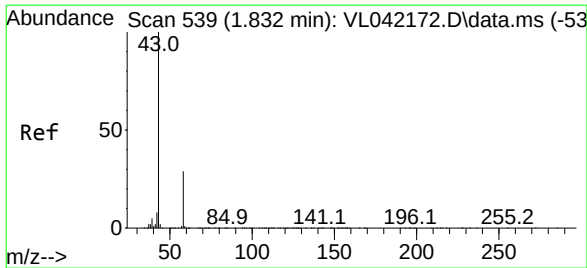
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 0.989 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:108 Resp: 8330
Ion Ratio Lower Upper
108 100
106 115.2 86.8 130.2
79 57.0 15.0 22.6#





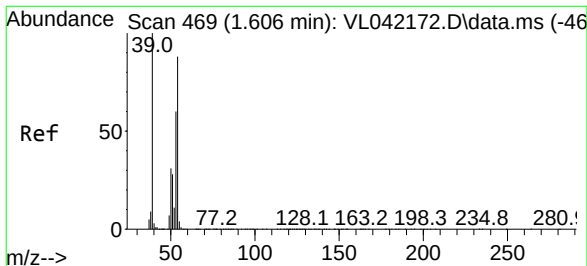
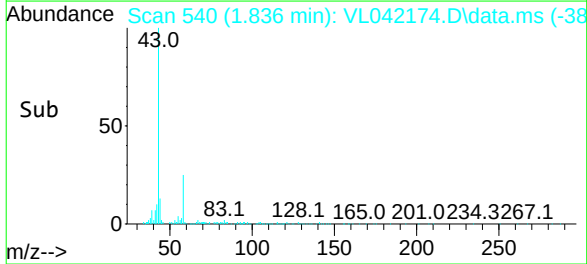
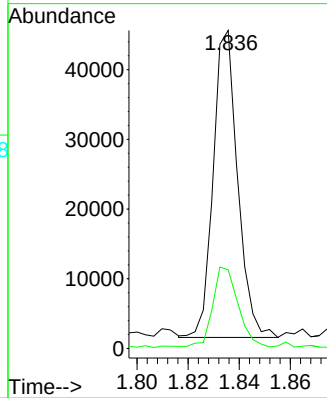
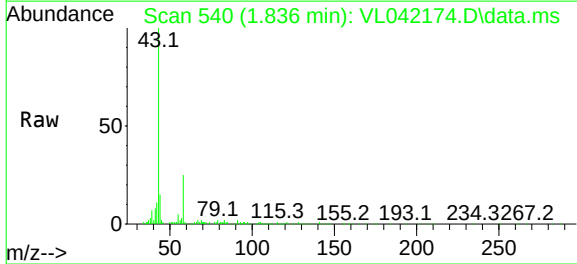
#15
Acetone
Concen: 1.125 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 29294
Ion Ratio Lower Upper
43 100
58 31.6 23.2 34.8

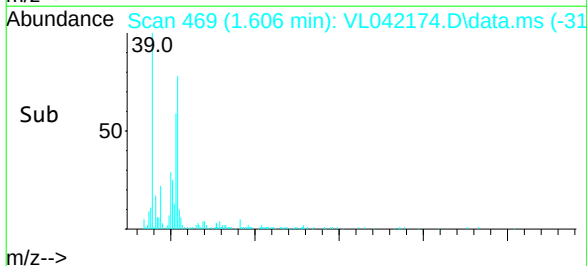
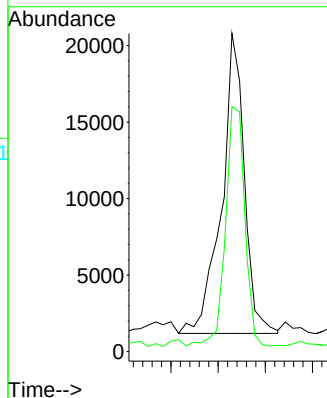
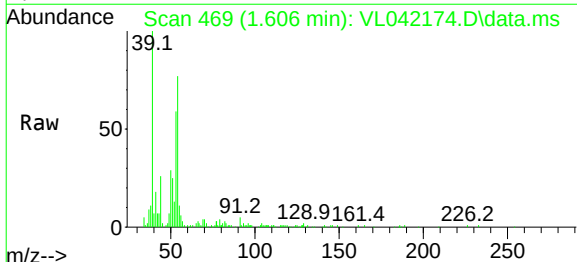
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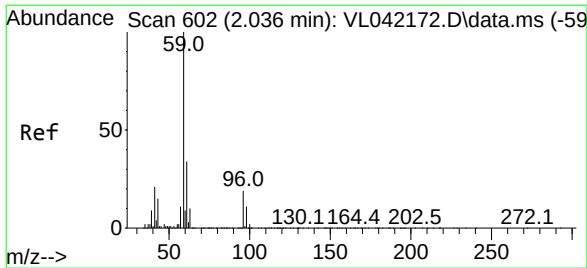
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 1.121 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 39 Resp: 13133
Ion Ratio Lower Upper
39 100
54 73.5 60.7 91.1





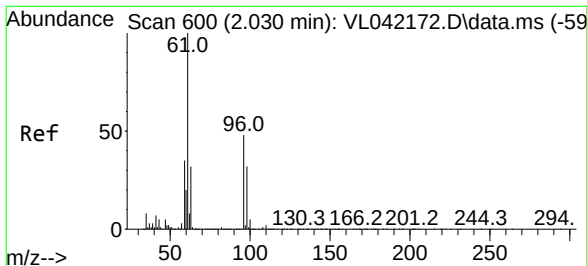
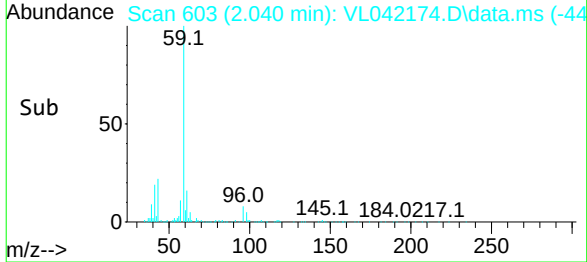
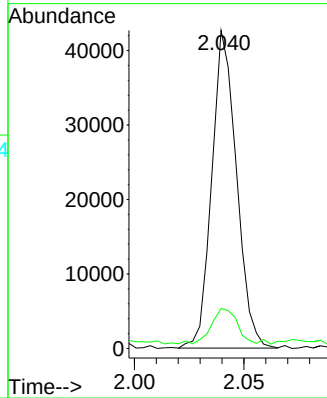
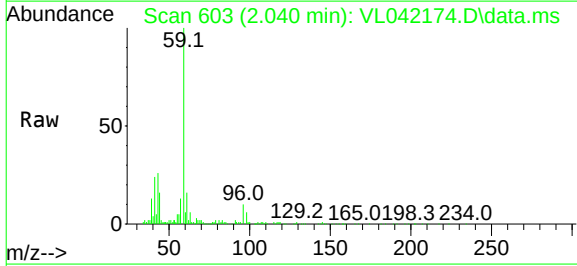
#17
tert-Butyl alcohol
Concen: 1.033 ppbv
RT: 2.040 min Scan# 600
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 33500
Ion Ratio Lower Upper
59 100
57 12.3 8.9 13.3

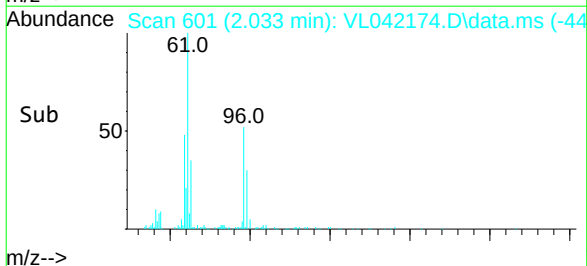
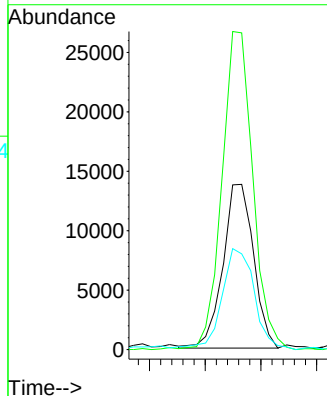
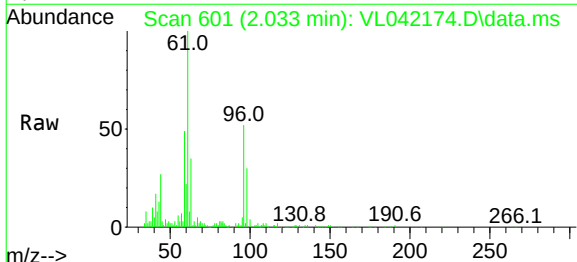
Manual Integrations
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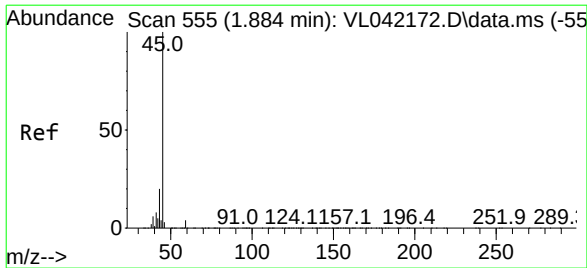
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 1.024 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 96 Resp: 10532
Ion Ratio Lower Upper
96 100
61 192.9 167.6 251.4
98 56.7 53.5 80.3





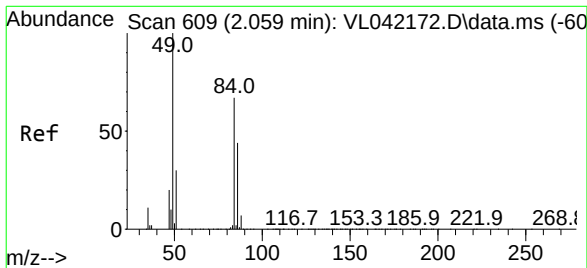
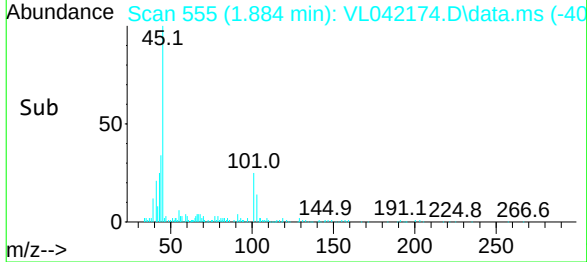
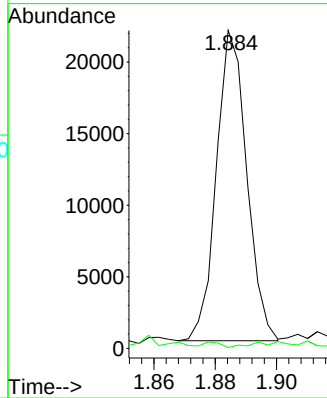
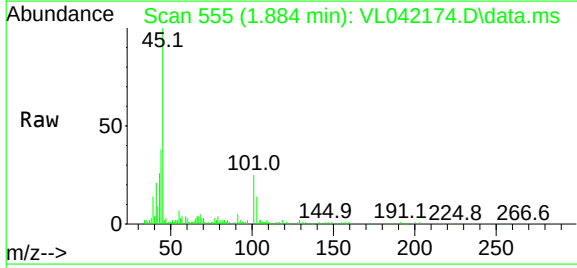
#19
Isopropyl Alcohol
Concen: 1.014 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 14903
Ion Ratio Lower Upper
45 100
58 4.9 36.9 55.3

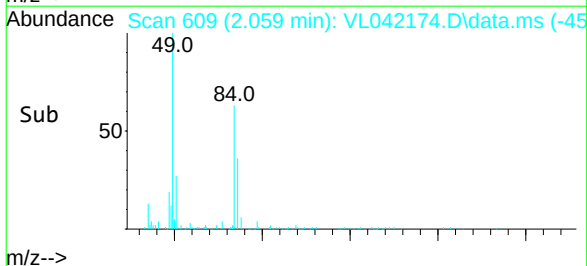
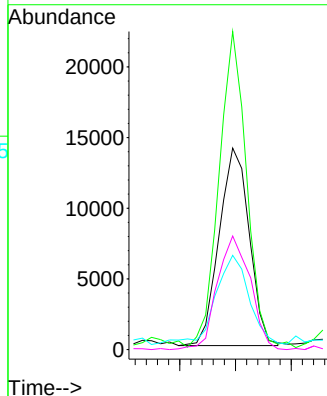
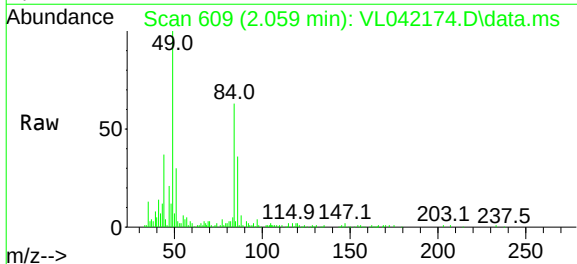
Manual Integrations
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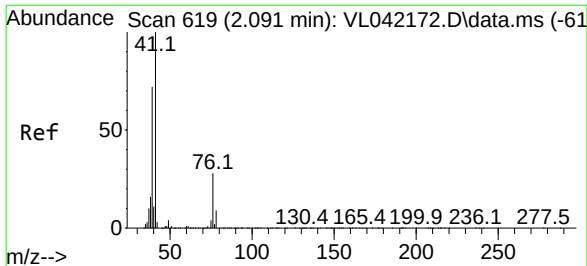
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 1.080 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 84 Resp: 10481
Ion Ratio Lower Upper
84 100
49 158.3 120.2 180.4
51 44.3 37.4 56.0
86 57.1 52.4 78.6





#21

Allyl Chloride

Concen: 1.036 ppbv

RT: 2.095 min Scan# 621

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

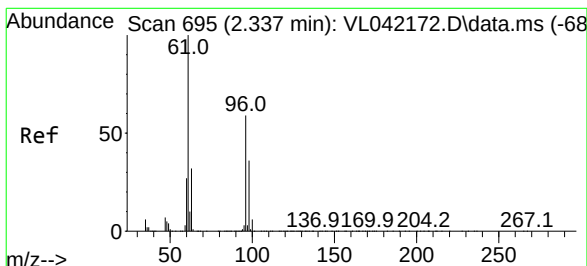
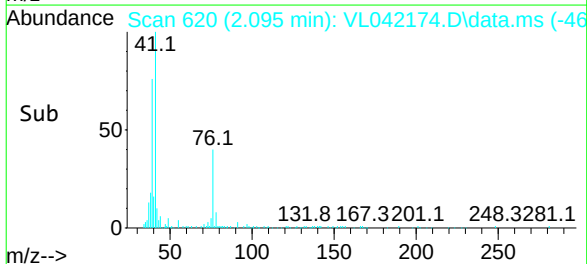
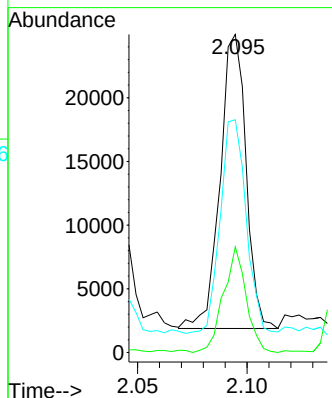
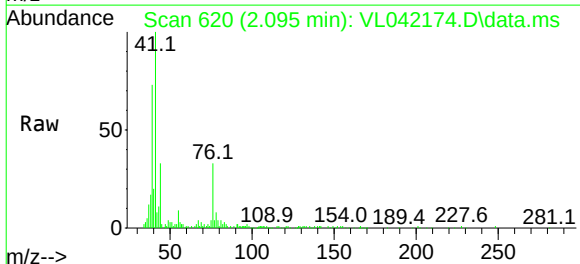
VSTDICC001

Tgt Ion: 41	Resp: 19039
Ion Ratio	Lower Upper
41 100	
76 30.5	24.1 36.1
39 77.8	61.1 91.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#22

trans-1,2-Dichloroethene

Concen: 1.086 ppbv m

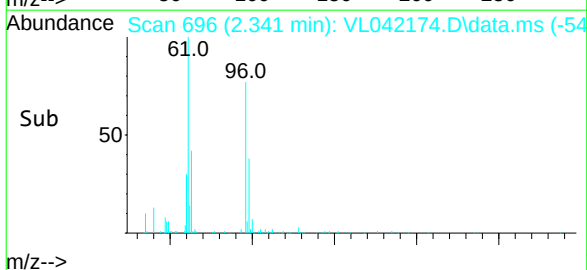
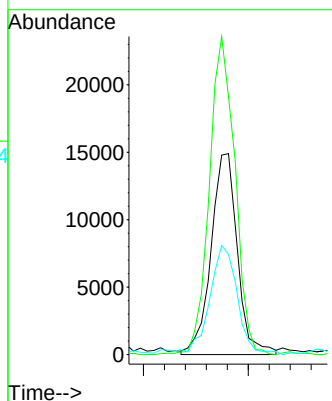
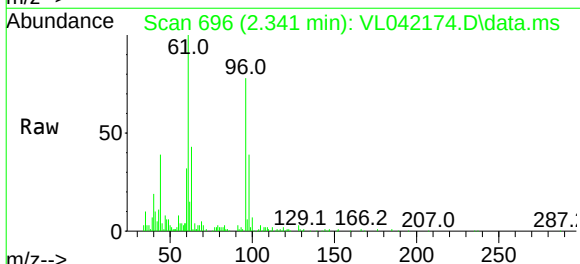
RT: 2.341 min Scan# 696

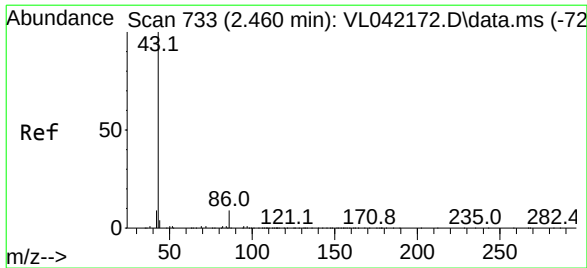
Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

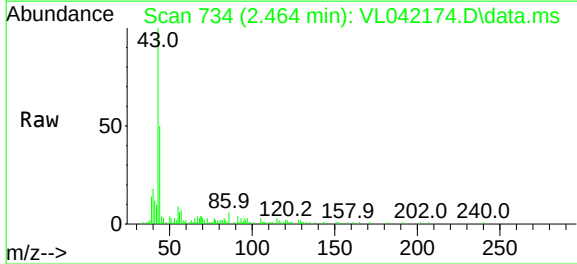
Tgt Ion: 96	Resp: 13051
Ion Ratio	Lower Upper
96 100	
61 128.3	136.6 204.8#
98 49.9	49.4 74.2





#23
 Vinyl Acetate
 Concen: 1.190 ppbv m
 RT: 2.464 min Scan# 73
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

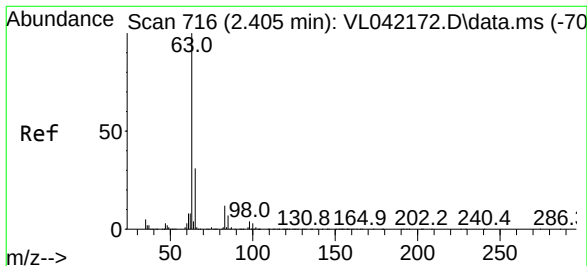
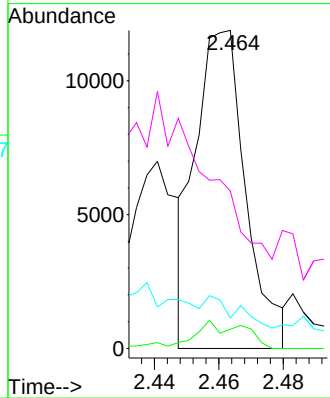
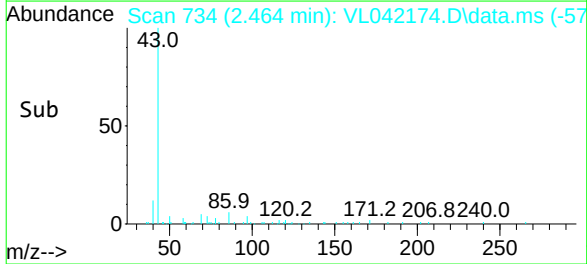
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001



Tgt Ion: 43 Resp: 12883
 Ion Ratio Lower Upper
 43 100
 86 6.0 5.5 8.3
 42 9.5 8.6 13.0
 44 49.5 6.2 9.4#

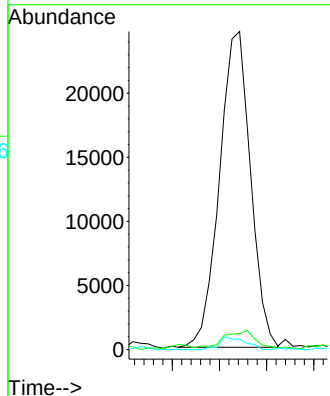
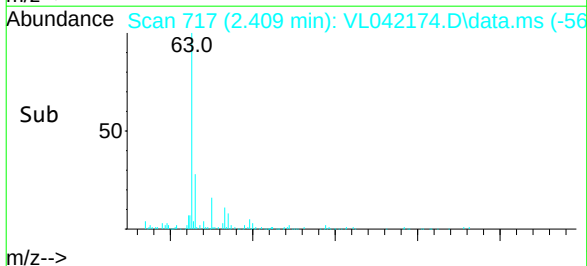
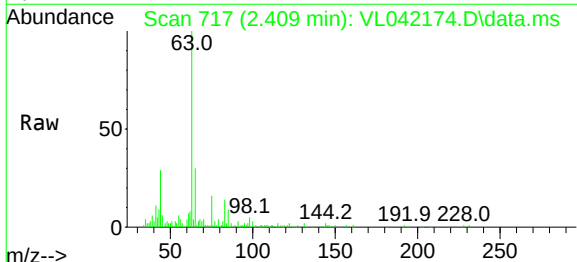
Manual Integrations
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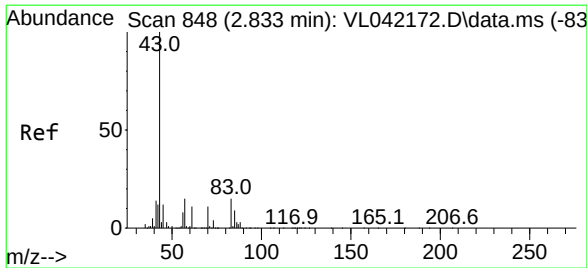
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#24
 1,1-Dichloroethane
 Concen: 1.022 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

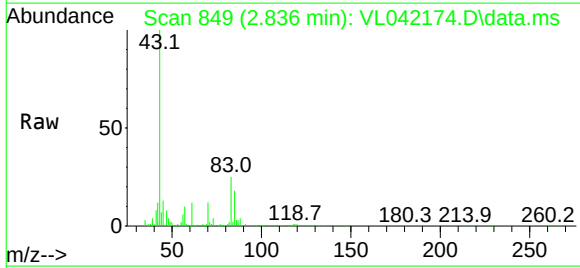
Tgt Ion: 63 Resp: 22505
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.3 6.8
 100 3.4 1.6 4.7





#25
Ethyl Acetate
Concen: 0.997 ppbv
RT: 2.836 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

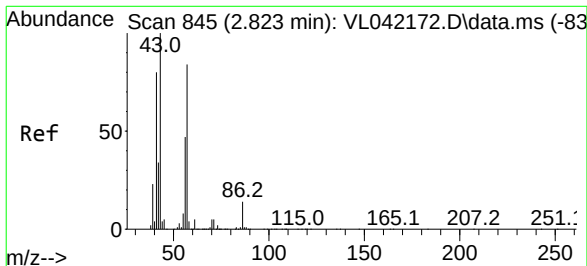
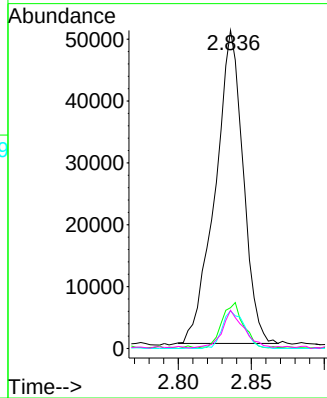
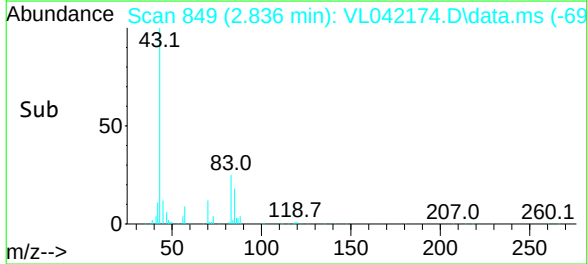
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



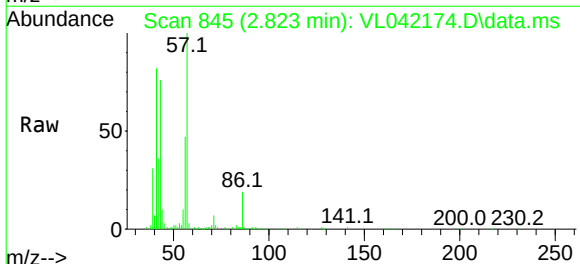
Tgt Ion:	43	Resp:	67402
Ion	Ratio	Lower	Upper
43	100		
45	12.3	8.2	12.2
61	9.6	7.3	10.9
70	10.3	7.2	10.8

Manual Integrations
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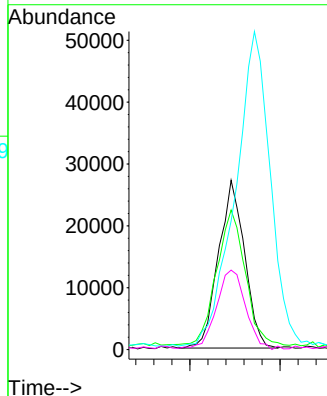
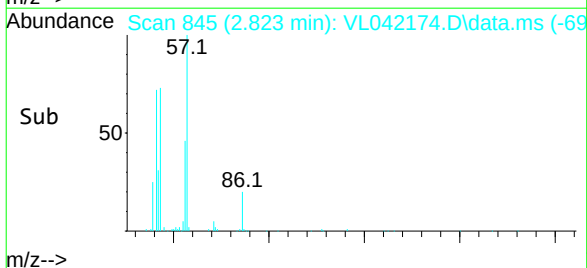
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

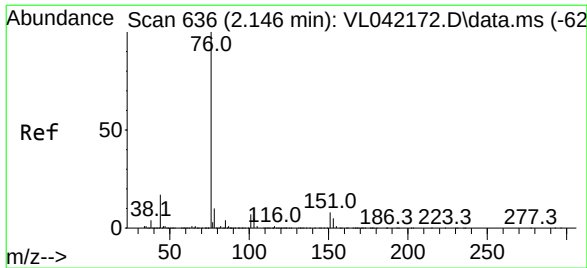


#26
Hexane
Concen: 1.043 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



Tgt Ion:	57	Resp:	27223
Ion	Ratio	Lower	Upper
57	100		
41	93.5	76.6	114.8
43	256.9	207.8	311.8
56	53.3	43.6	65.4





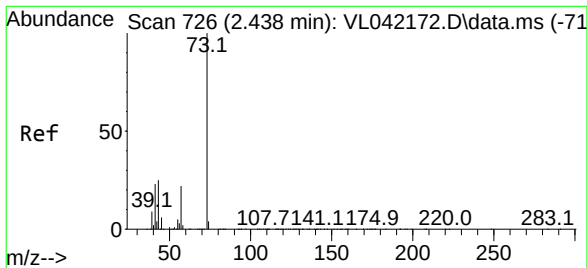
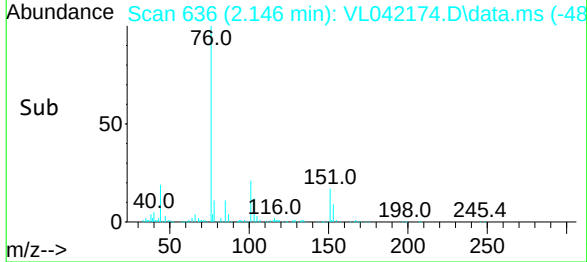
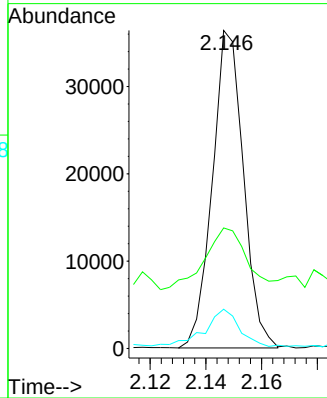
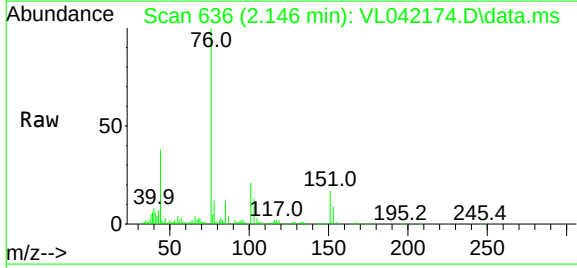
#27
Carbon Disulfide
Concen: 1.006 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 28167
Ion Ratio Lower Upper
76 100
44 54.6 14.7 22.1#
78 15.0 9.3 13.9#

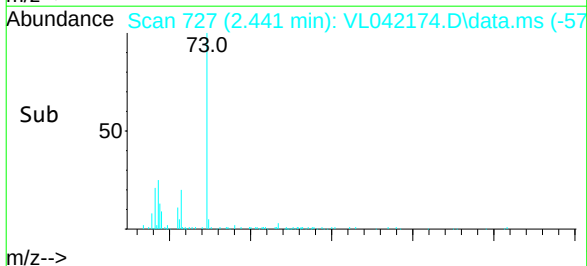
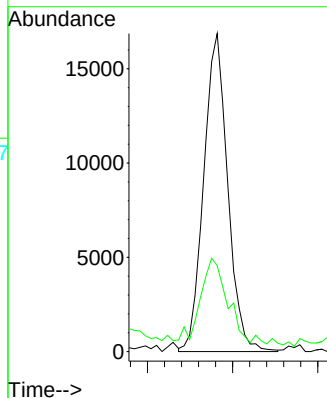
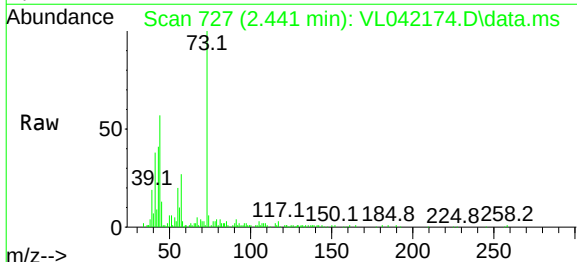
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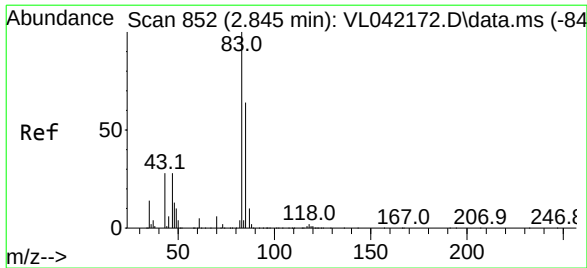
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 1.015 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 73 Resp: 16501
Ion Ratio Lower Upper
73 100
57 28.0 20.5 30.7





#29

Chloroform

Concen: 1.008 ppbv

RT: 2.845 min Scan# 85

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 83 Resp: 38516

Ion Ratio Lower Upper

83 100

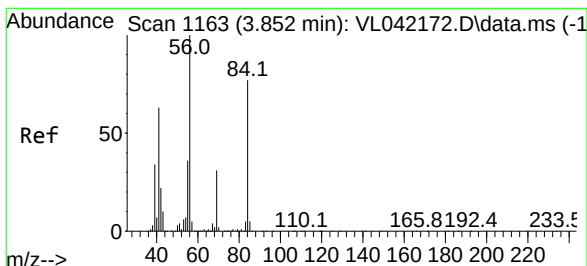
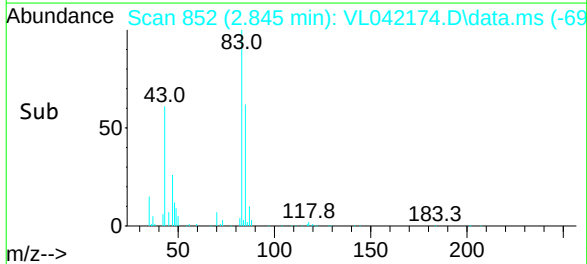
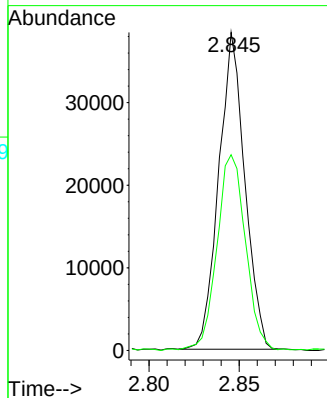
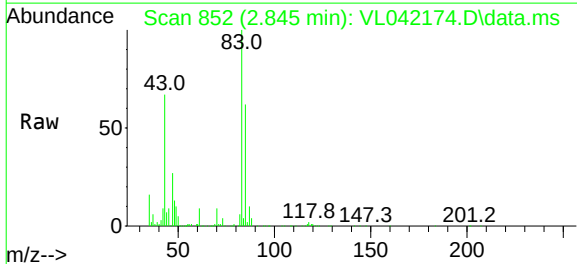
85 61.6 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 1.016 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

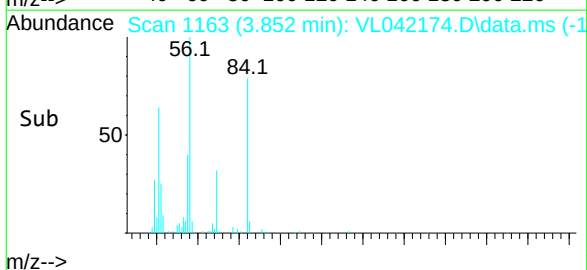
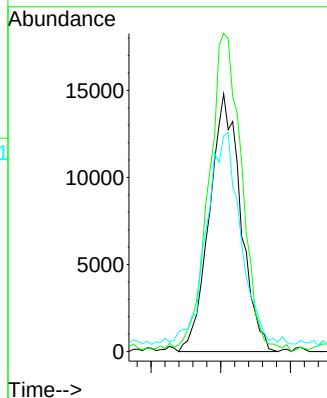
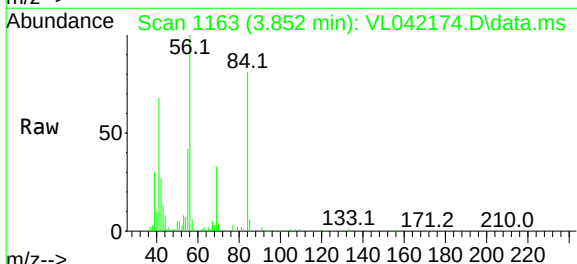
Tgt Ion: 84 Resp: 23052

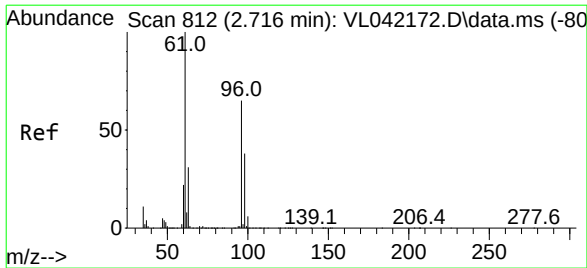
Ion Ratio Lower Upper

84 100

56 128.9 102.8 154.2

41 89.3 66.5 99.7





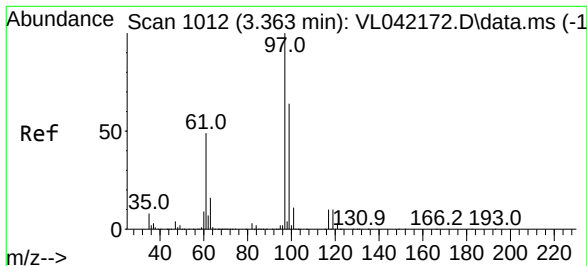
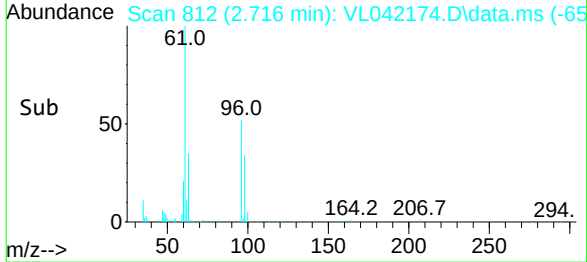
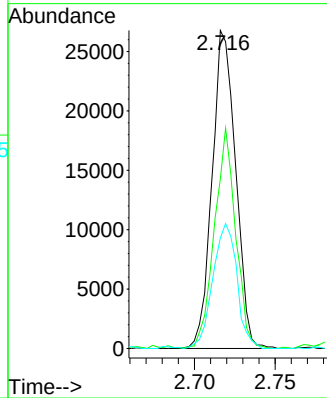
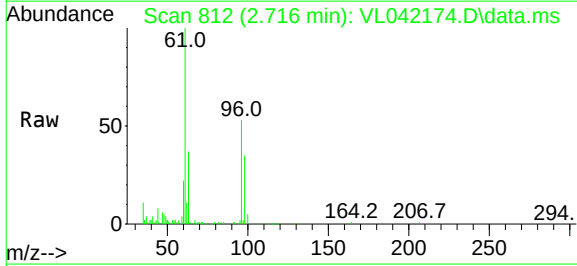
#31
 cis-1,2-Dichloroethene
 Concen: 1.026 ppbv
 RT: 2.716 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:	61	Resp:	27187
Ion	Ratio	Lower	Upper
61	100		
96	53.3	51.8	77.8
98	34.8	30.6	46.0

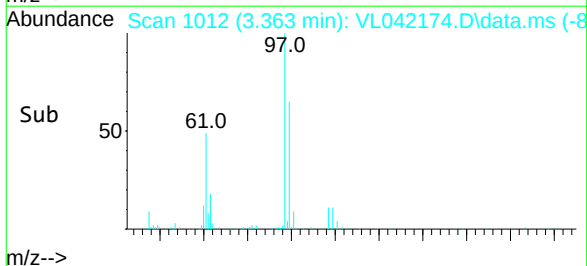
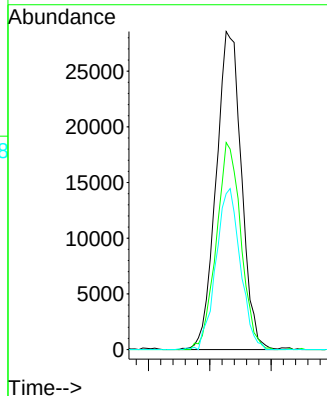
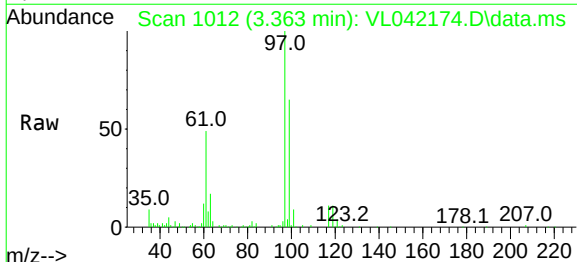
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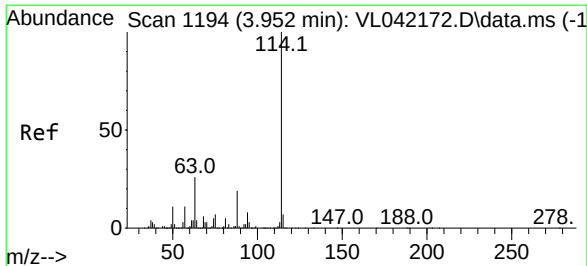
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.938 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

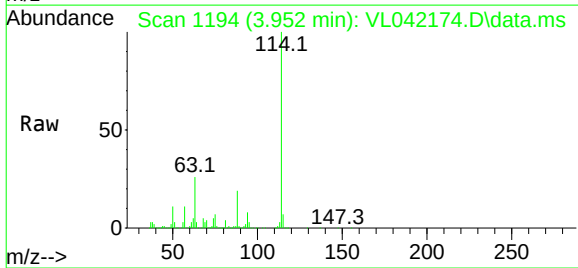
Tgt Ion:	97	Resp:	40993
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	48.8	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

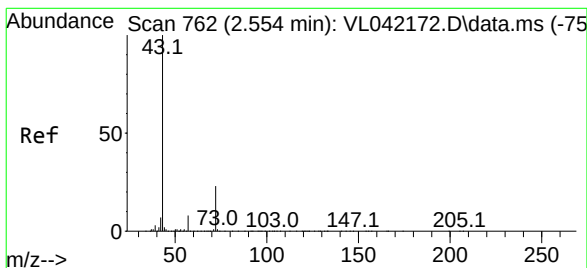
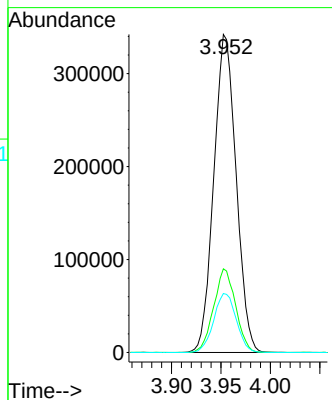
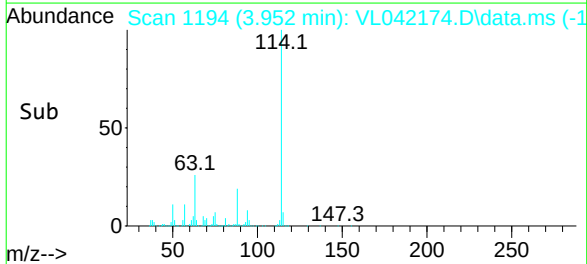
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



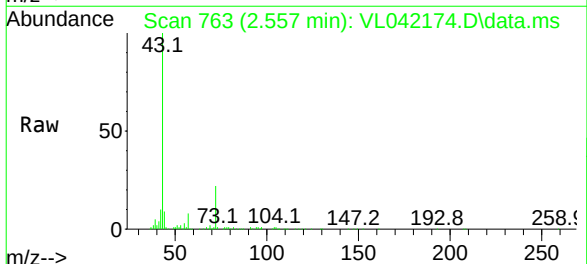
Tgt Ion: 114 Resp: 537244
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 18.8 15.0 22.4

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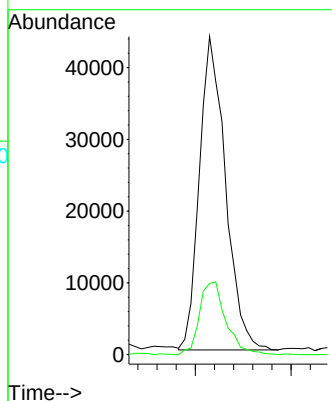
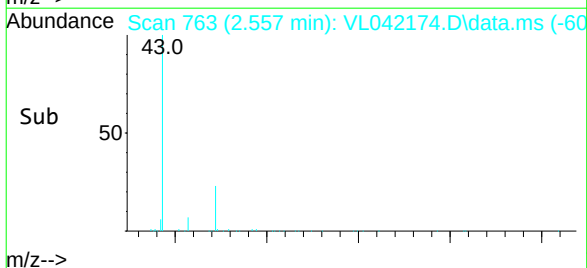
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

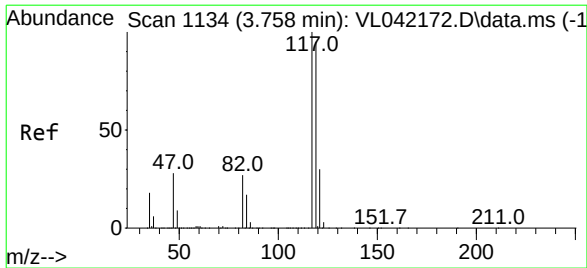


#34
2-Butanone
Concen: 1.063 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



Tgt Ion: 43 Resp: 41423
Ion Ratio Lower Upper
43 100
72 23.5 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.952 ppbv

RT: 3.758 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042174.D

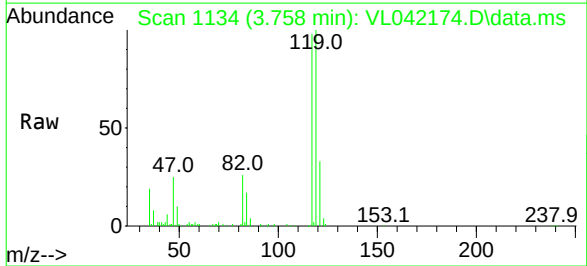
Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

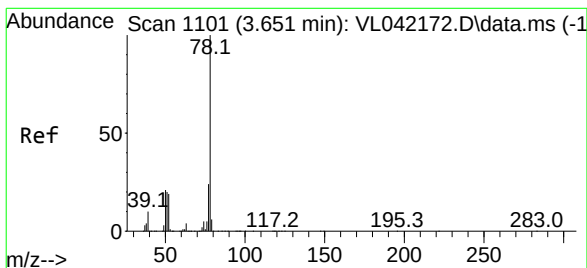
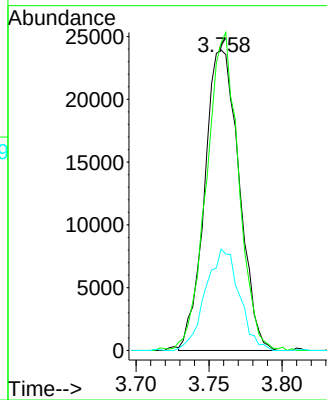
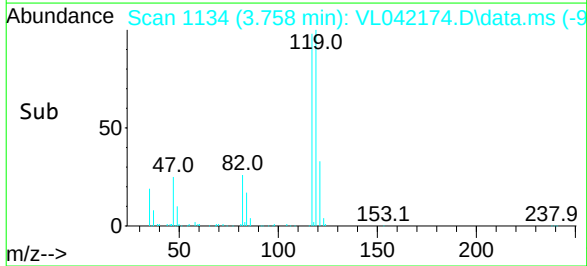


Tgt Ion:	117	Resp:	39345
Ion	Ratio	Lower	Upper
117	100		
119	101.8	76.2	114.2
121	33.7	24.2	36.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#36

Benzene

Concen: 1.036 ppbv

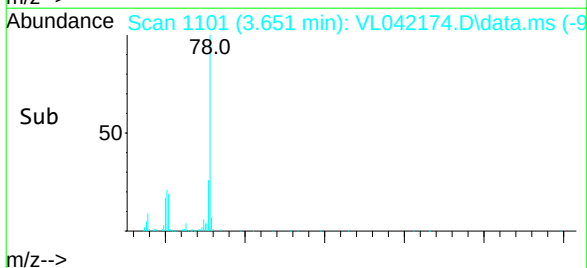
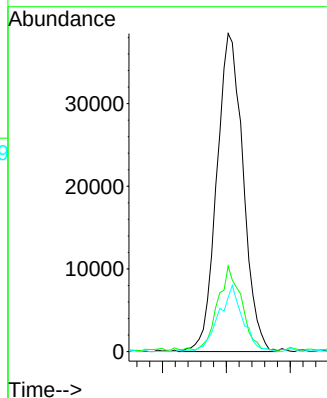
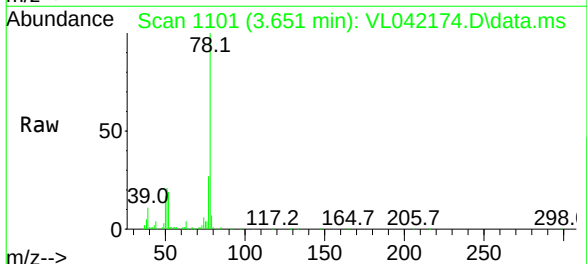
RT: 3.651 min Scan# 1101

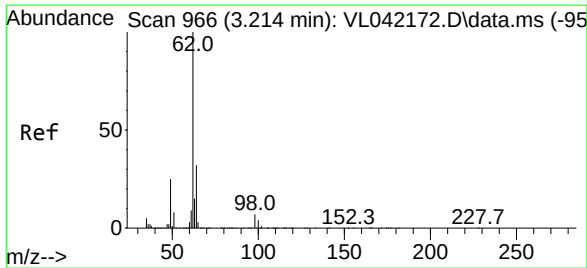
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	78	Resp:	55156
Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.1	28.7
50	17.1	16.6	24.8





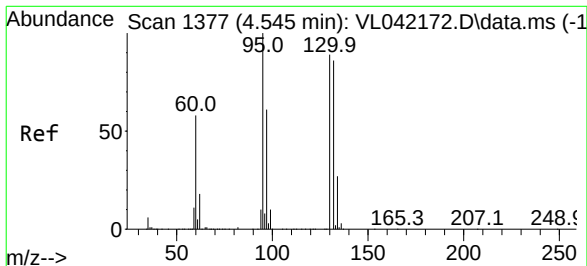
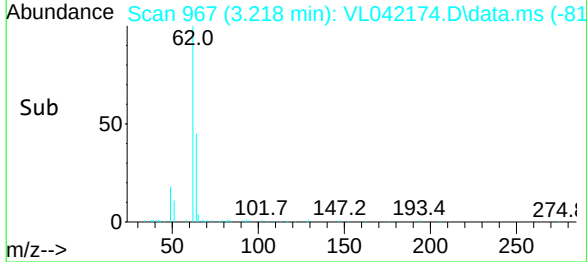
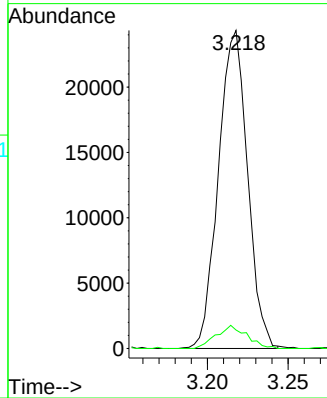
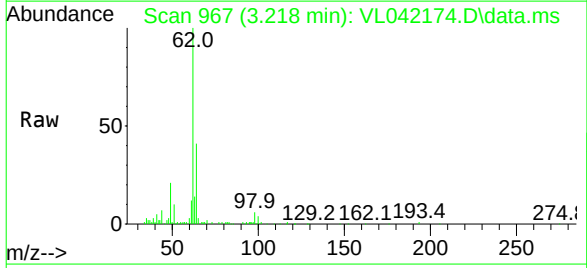
#37
1,2-Dichloroethane
Concen: 1.002 ppbv
RT: 3.218 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 30543
Ion Ratio Lower Upper
62 100
98 7.6 5.4 8.2

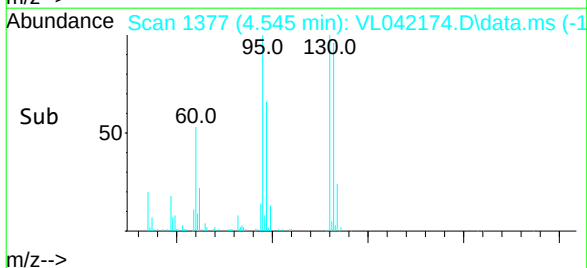
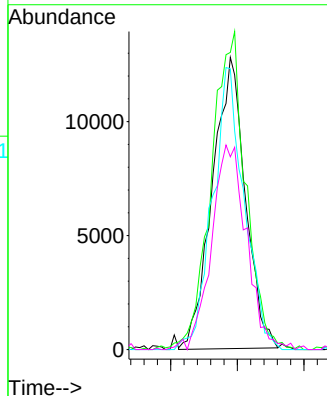
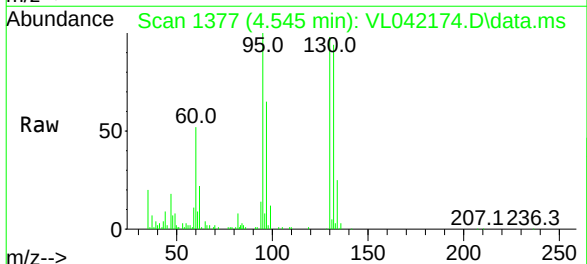
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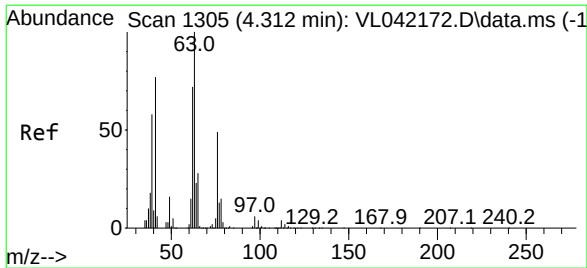
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 0.985 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:130 Resp: 21906
Ion Ratio Lower Upper
130 100
95 100.2 89.8 134.8
132 95.3 77.4 116.2
97 64.3 55.1 82.7





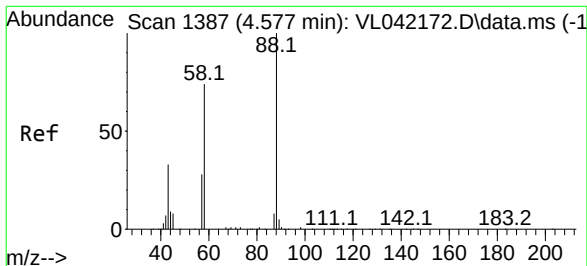
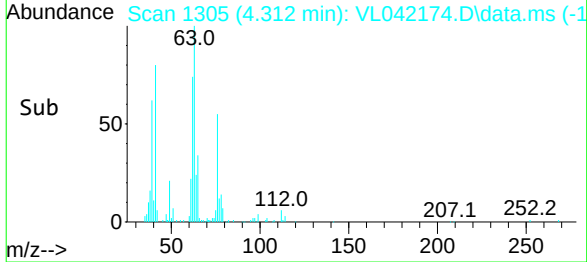
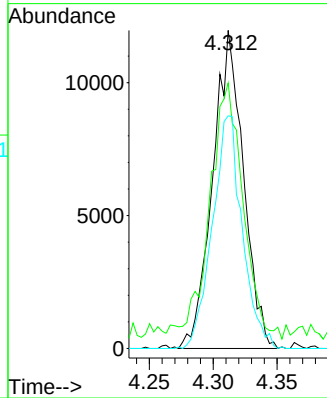
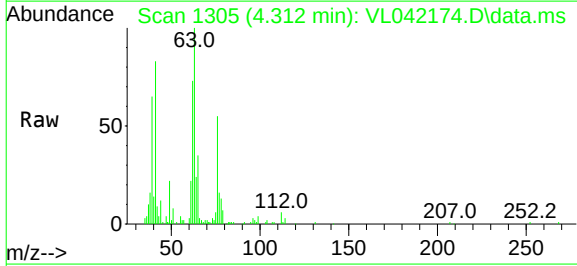
#39
1,2-Dichloropropane
Concen: 1.032 ppbv
RT: 4.312 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 20020
Ion Ratio Lower Upper
63 100
41 76.8 61.7 92.5
62 73.1 57.6 86.4

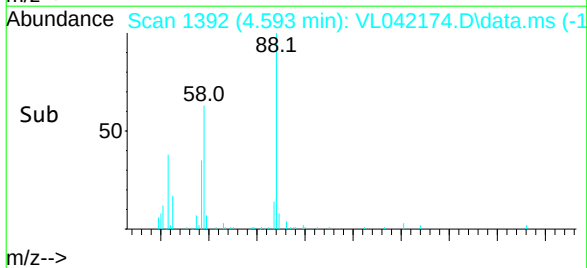
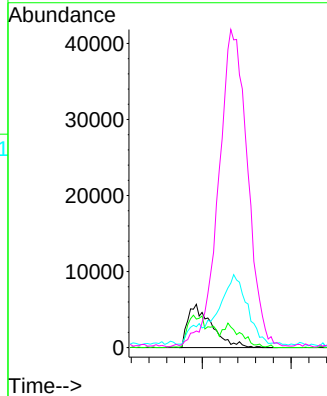
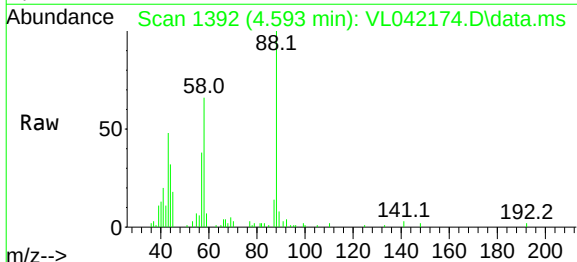
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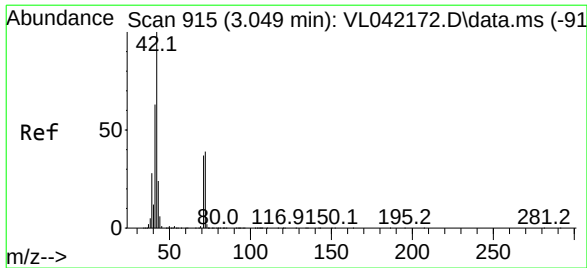
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#40
1,4-Dioxane
Concen: 1.052 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.016 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 88 Resp: 10592
Ion Ratio Lower Upper
88 100
58 115.3 62.7 94.1#
43 0.0 23.0 34.4#
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 1.029 ppbv

RT: 3.056 min Scan# 91

Delta R.T. 0.007 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 42 Resp: 22818

Ion Ratio Lower Upper

42 100

72 39.4 31.4 47.0

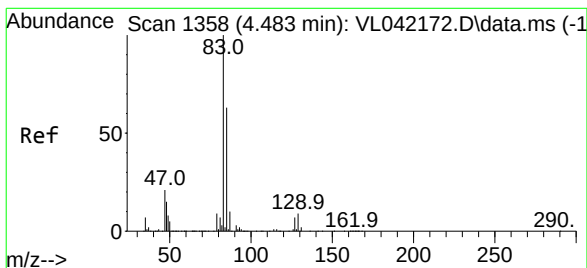
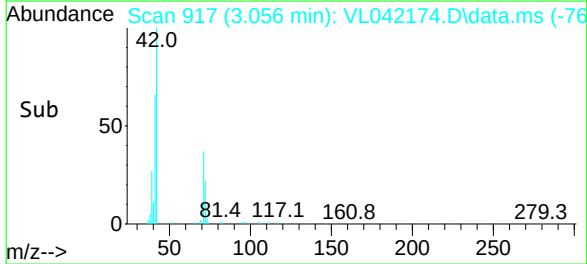
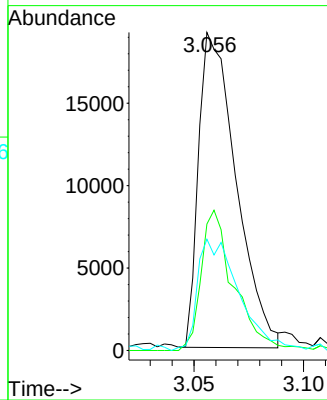
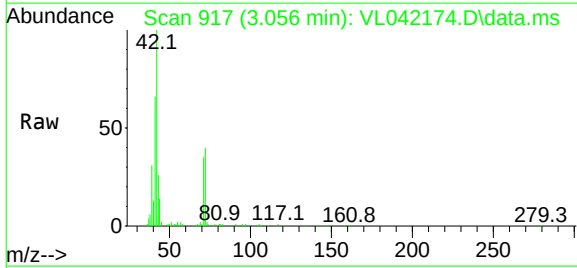
71 40.8 30.2 45.4

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#42

Bromodichloromethane

Concen: 0.996 ppbv

RT: 4.483 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

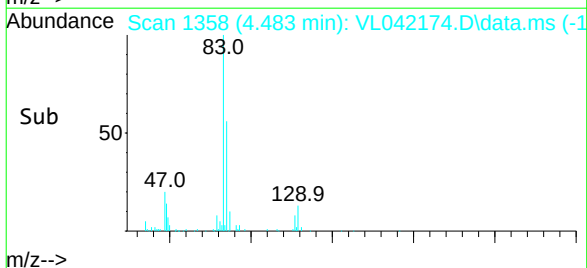
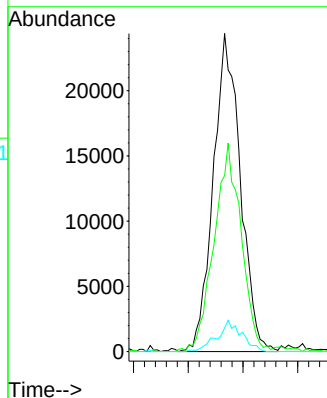
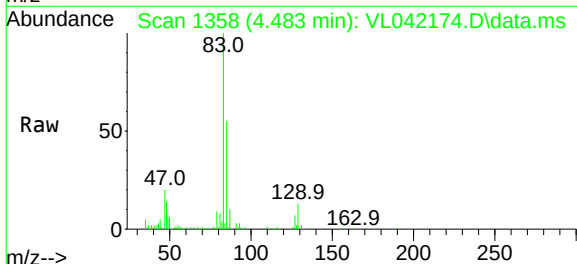
Tgt Ion: 83 Resp: 41864

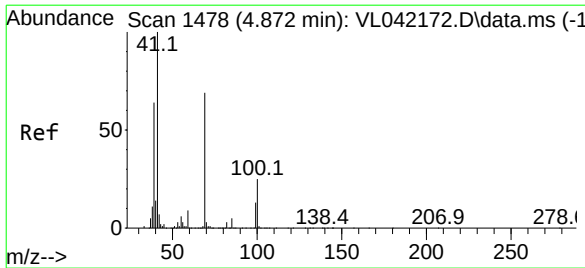
Ion Ratio Lower Upper

83 100

85 54.7 50.5 75.7

127 7.5 5.9 8.9





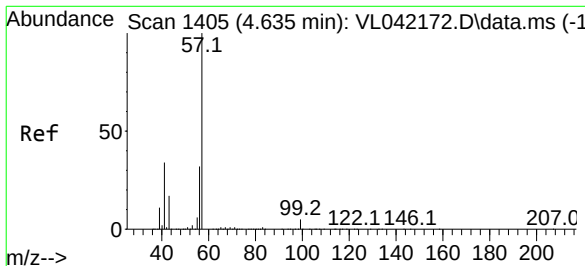
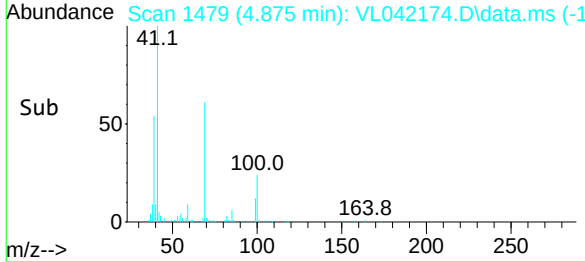
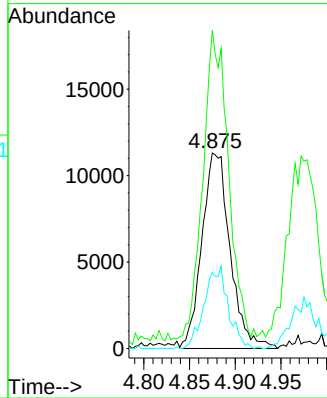
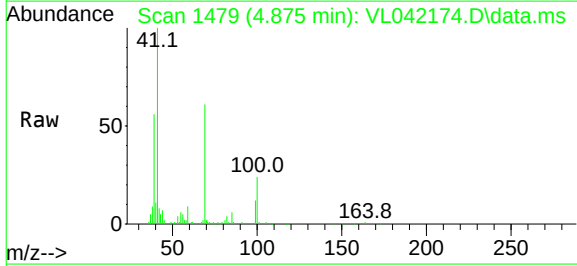
#43
Methyl Methacrylate
Concen: 1.078 ppbv m
RT: 4.875 min Scan# 1478
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 24233
Ion Ratio Lower Upper
69 100
41 146.1 123.8 185.6
100 0.0 28.4 42.6#

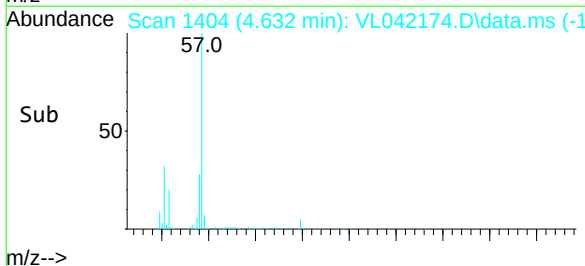
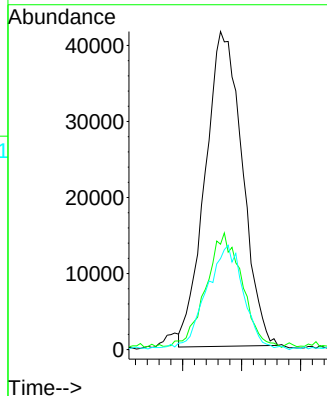
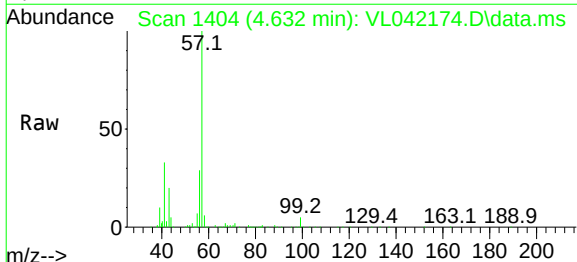
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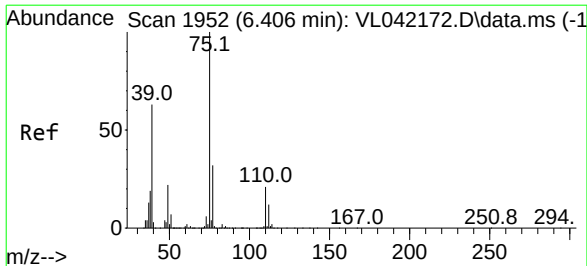
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 1.008 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57 Resp: 90727
Ion Ratio Lower Upper
57 100
41 35.9 26.8 40.2
56 33.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.992 ppbv m

RT: 6.403 min Scan# 19

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 23993

Ion Ratio Lower Upper

75 100

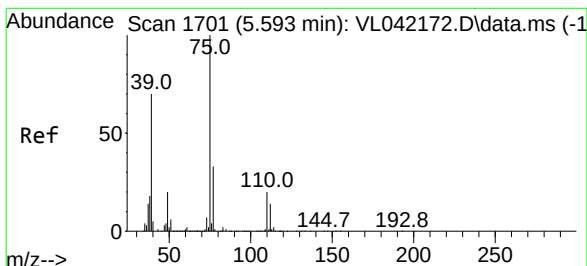
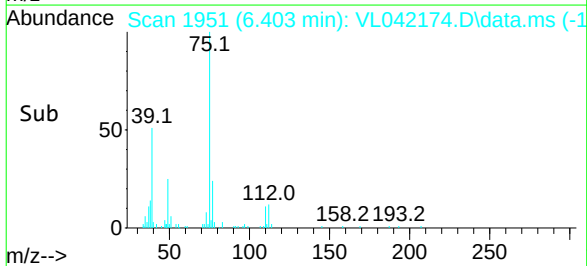
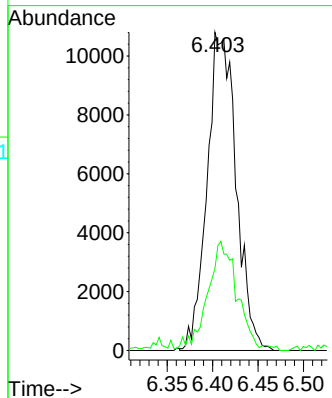
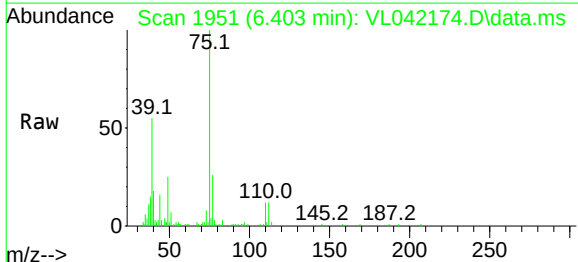
77 25.9 26.0 39.0#

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 1.014 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

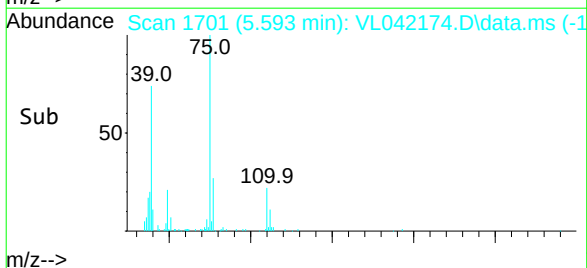
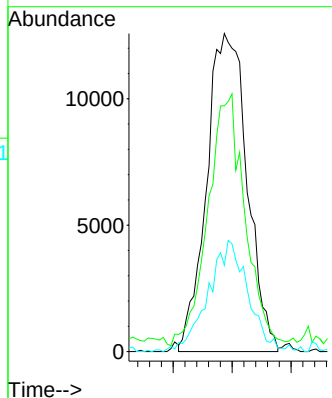
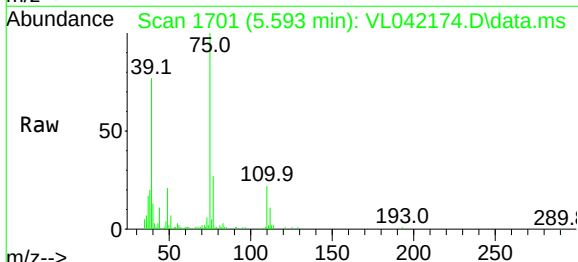
Tgt Ion: 75 Resp: 30063

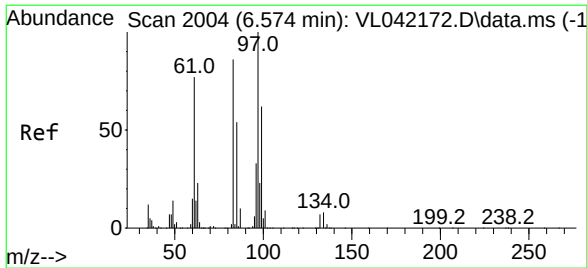
Ion Ratio Lower Upper

75 100

39 74.2 55.8 83.6

77 26.4 26.0 39.0





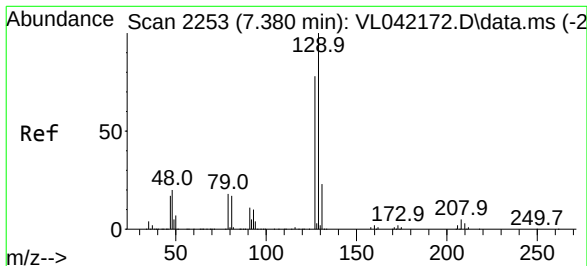
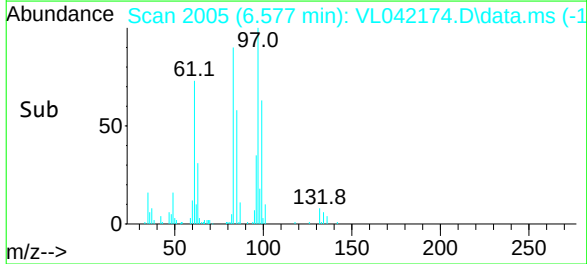
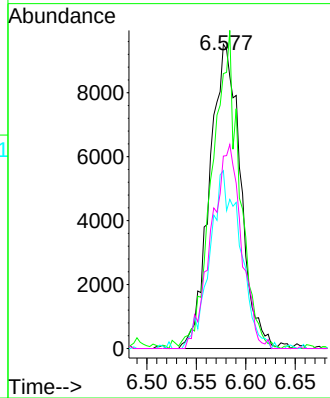
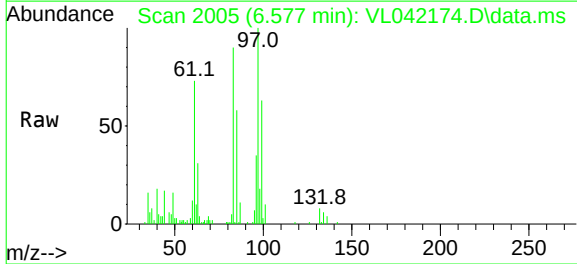
#47
1,1,2-Trichloroethane
Concen: 1.002 ppbv
RT: 6.577 min Scan# 20546
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.2	103.8
85	58.4	43.1	64.7
99	63.2	49.4	74.2

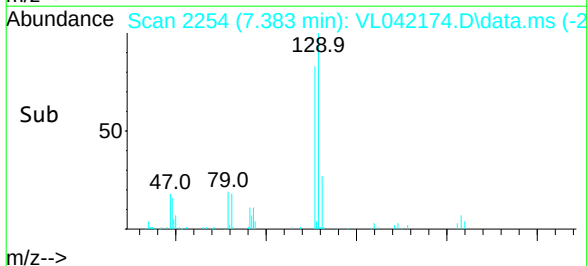
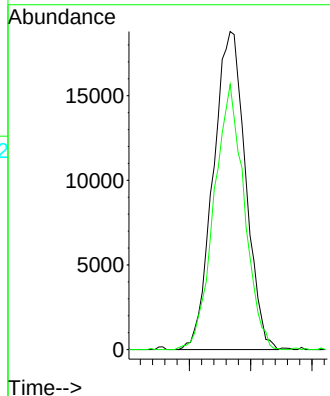
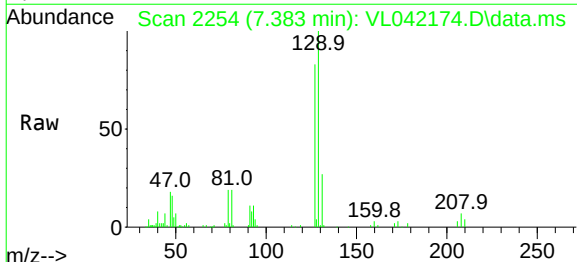
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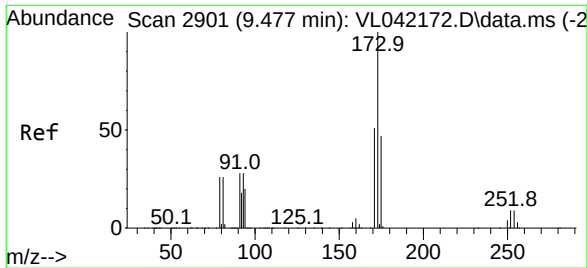
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 0.991 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





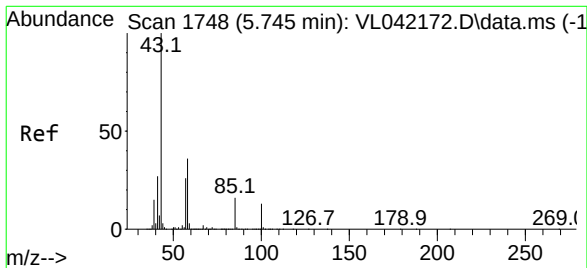
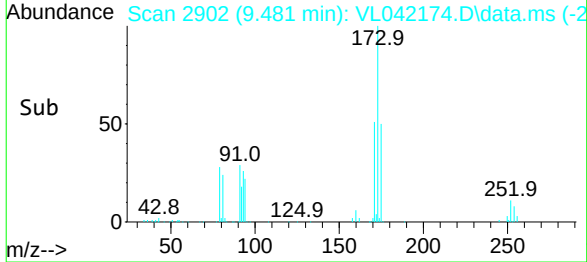
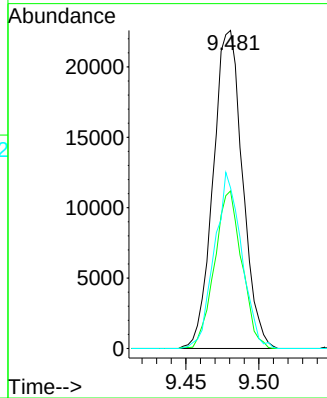
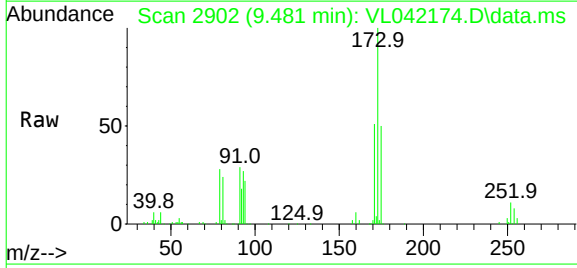
#49
Bromoform
Concen: 1.013 ppbv
RT: 9.481 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 173 Resp: 31610
Ion Ratio Lower Upper
173 100
175 46.1 38.6 57.8
171 51.3 41.8 62.6

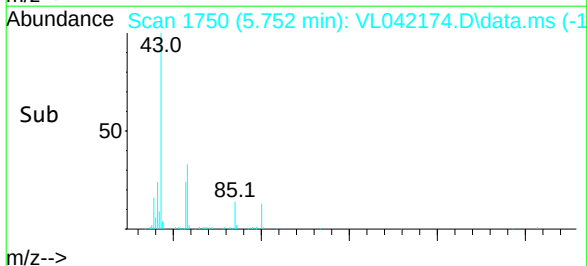
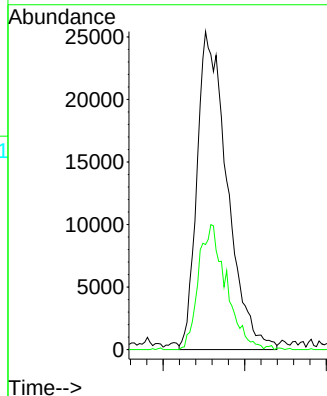
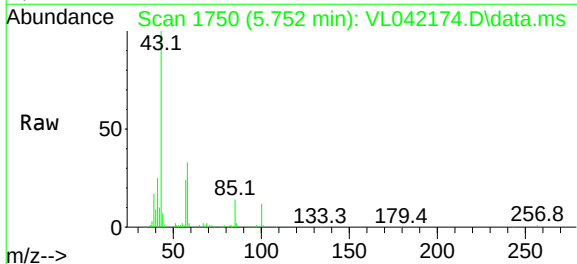
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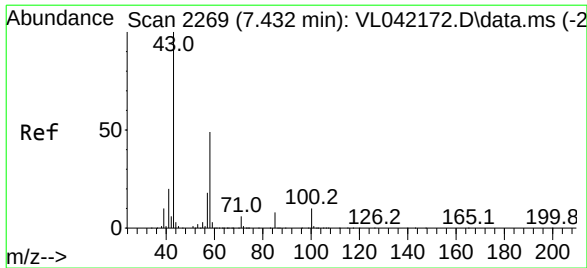
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 1.056 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

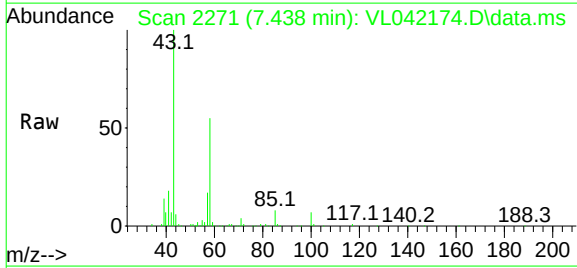
Tgt Ion: 43 Resp: 65226
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6





#51
2-Hexanone
Concen: 1.067 ppbv
RT: 7.438 min Scan# 2269
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

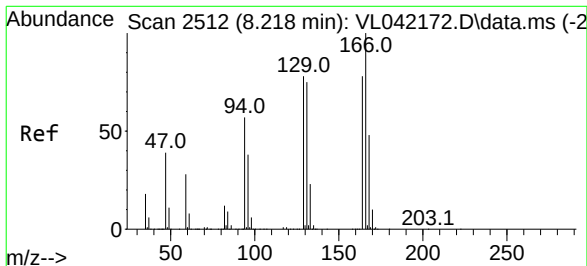
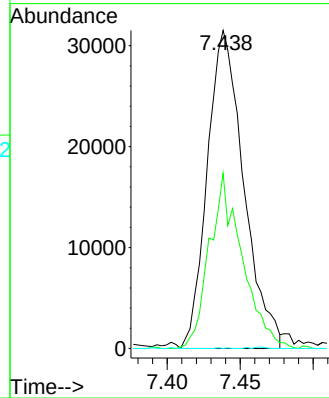
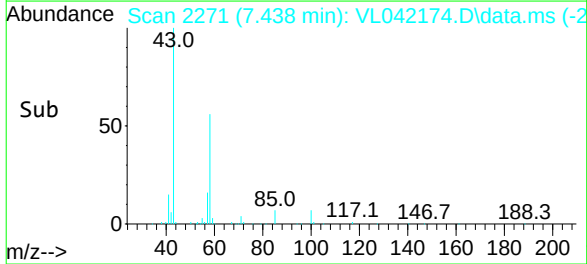
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 54680
Ion Ratio Lower Upper
43 100
58 49.8 39.7 59.5
98 0.2 0.1 0.1

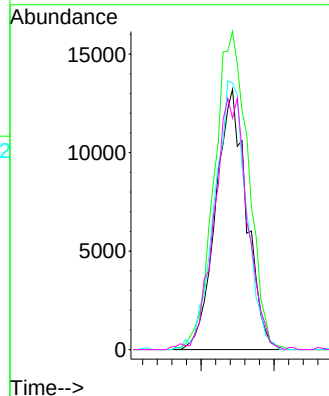
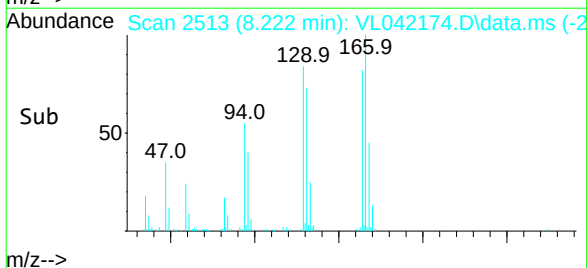
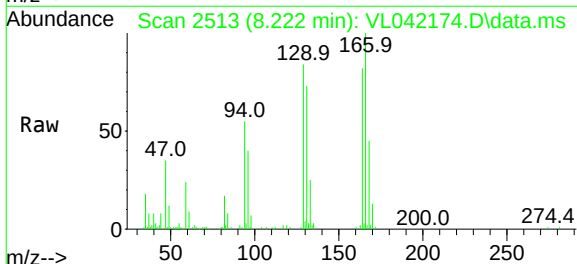
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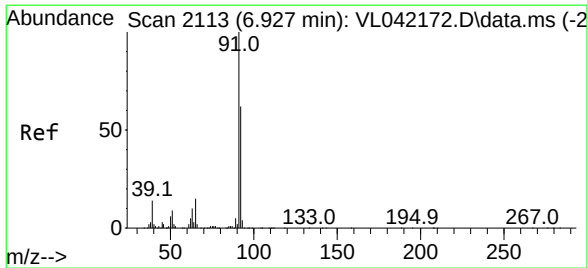
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 0.919 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:164 Resp: 19415
Ion Ratio Lower Upper
164 100
166 121.4 102.5 153.7
129 102.4 79.8 119.8
131 88.1 76.6 114.8





#53

Toluene

Concen: 1.023 ppbv

RT: 6.927 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 64612

Ion Ratio Lower Upper

91 100

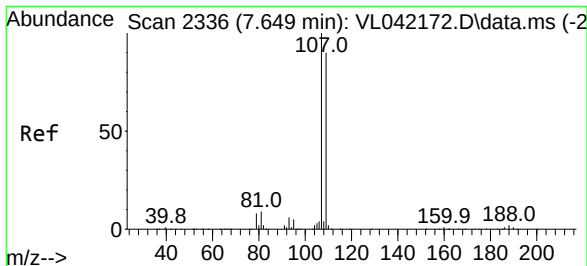
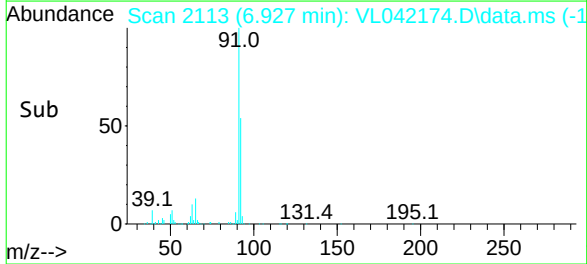
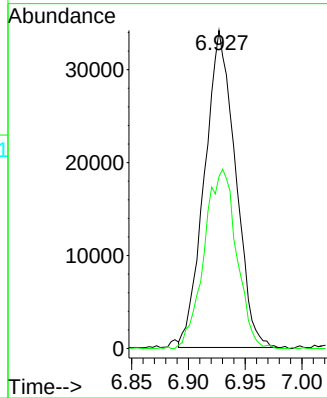
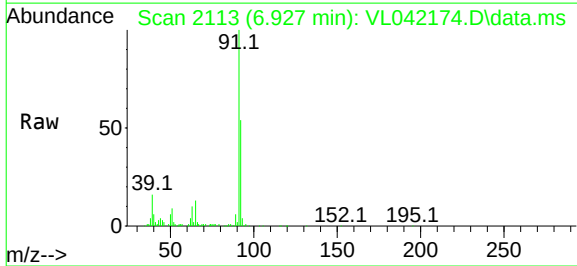
92 59.4 48.4 72.6

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 1.009 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL042174.D

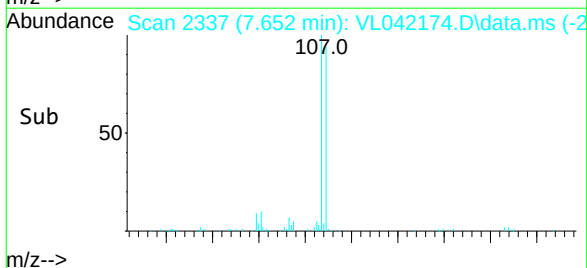
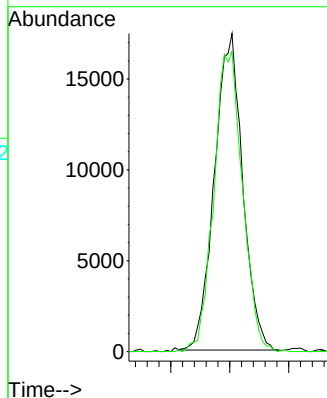
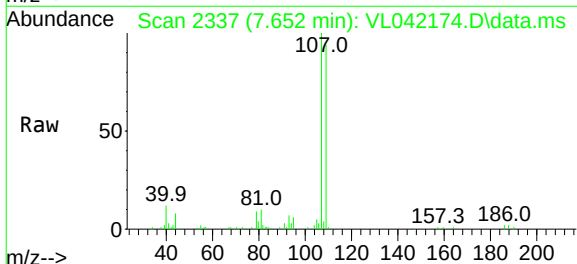
Acq: 27 Mar 2025 09:30

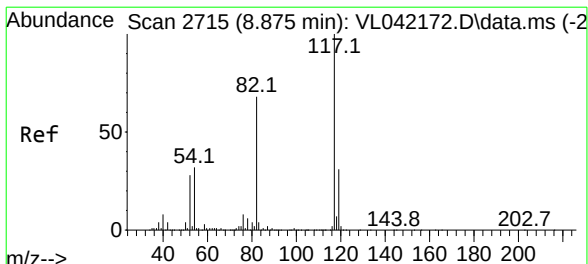
Tgt Ion:107 Resp: 28879

Ion Ratio Lower Upper

107 100

109 94.8 72.2 108.4





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.879 min Scan# 2715
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

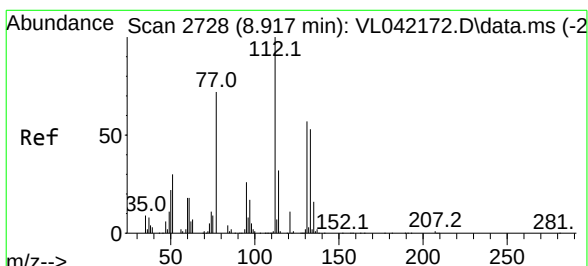
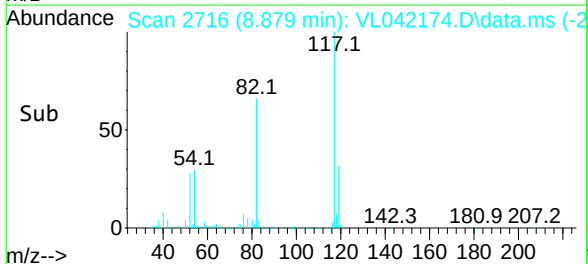
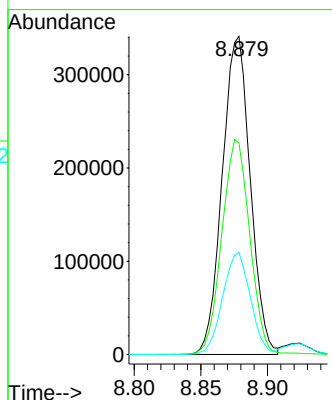
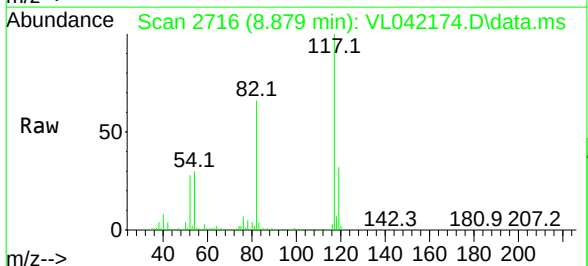
VSTDIC001

Tgt Ion:117 Resp: 499836

Ion	Ratio	Lower	Upper
117	100		
82	67.6	55.8	83.6
119	32.2	25.5	38.3

Manual Integrations
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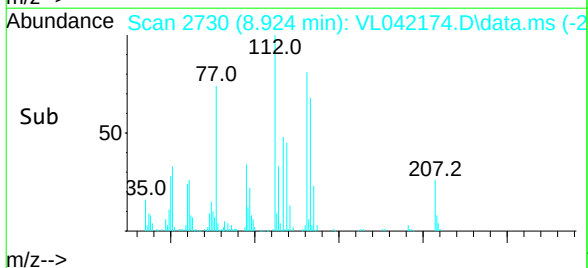
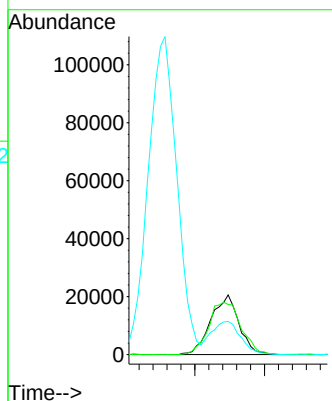
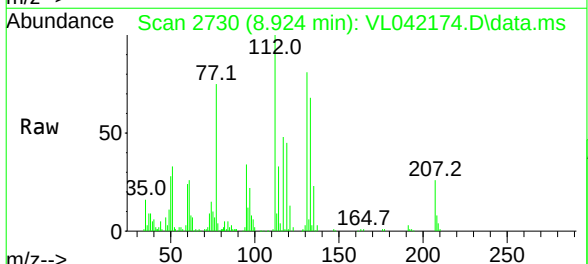
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

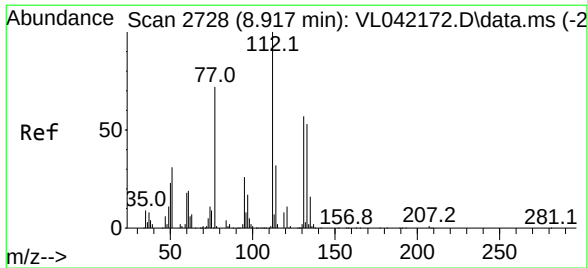


#56
 1,1,1,2-Tetrachloroethane
 Concen: 1.045 ppbv
 RT: 8.924 min Scan# 2730
 Delta R.T. 0.007 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion:131 Resp: 28764

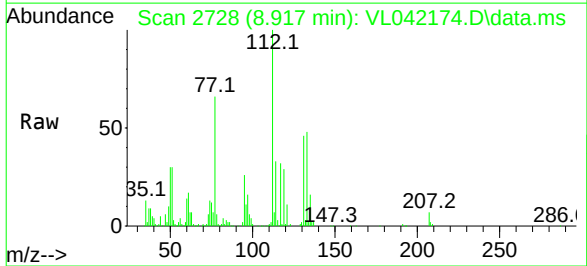
Ion	Ratio	Lower	Upper
131	100		
133	101.7	76.6	114.8
119	44.1	49.8	74.6





#57
Chlorobenzene
Concen: 1.032 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

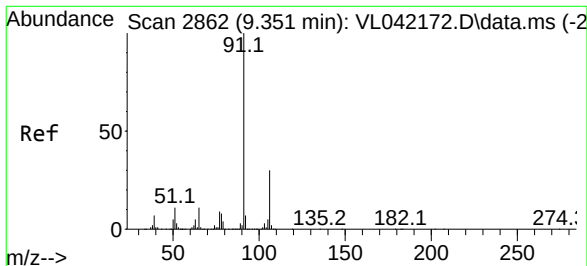
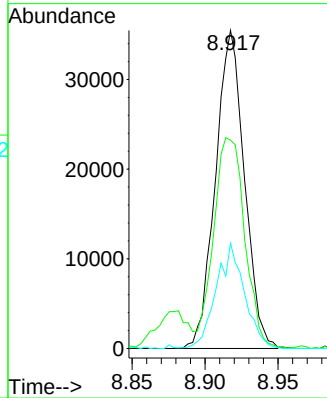
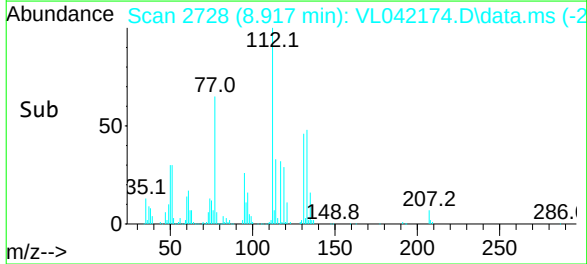
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 112 Resp: 48936
Ion Ratio Lower Upper
112 100
77 65.0 58.2 87.2
114 32.9 29.1 35.5

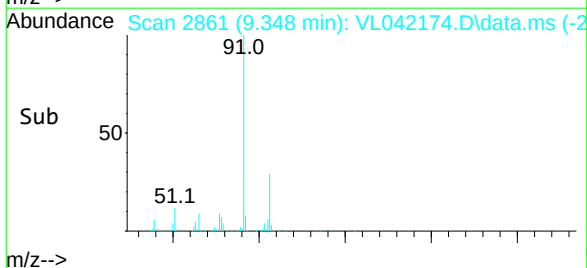
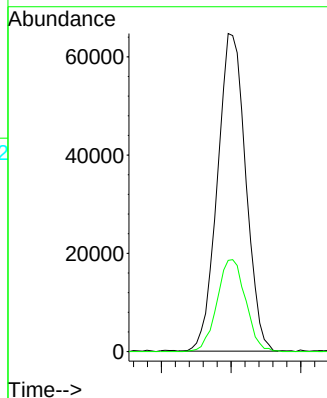
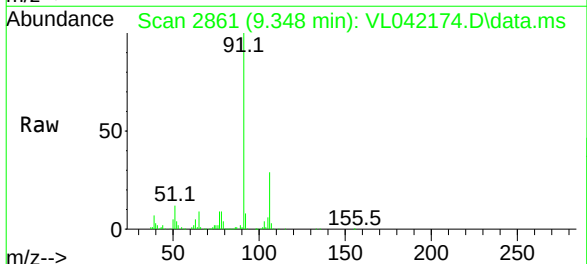
Manual Integrations
APPROVED

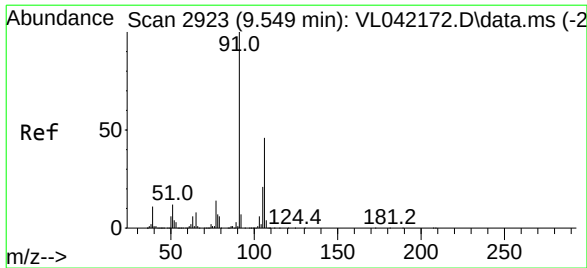
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 1.026 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

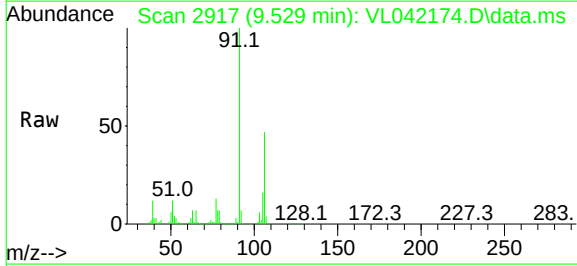
Tgt Ion: 91 Resp: 91086
Ion Ratio Lower Upper
91 100
106 28.7 24.2 36.2





#59
m/p-Xylene
Concen: 2.073 ppbv m
RT: 9.529 min Scan# 2917
Delta R.T. -0.019 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

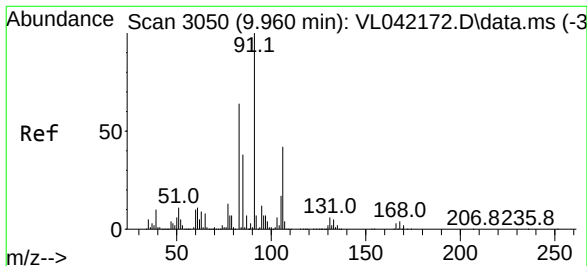
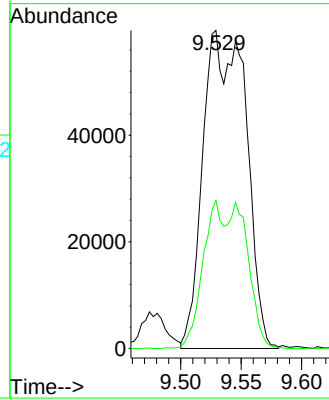
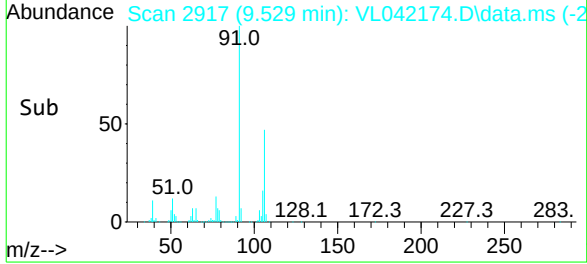
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



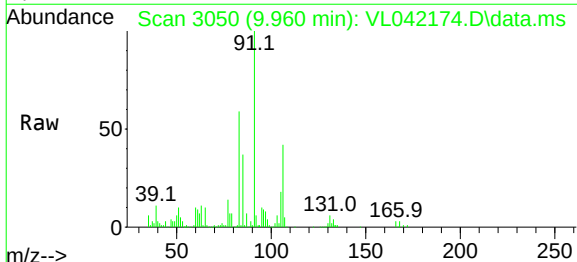
Tgt Ion: 91 Resp: 147162
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6

Manual Integrations
APPROVED

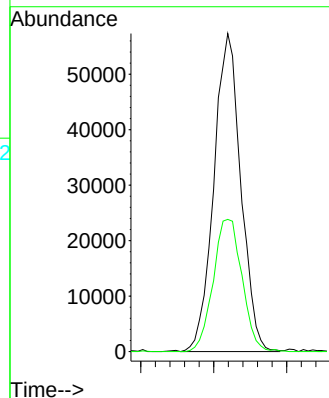
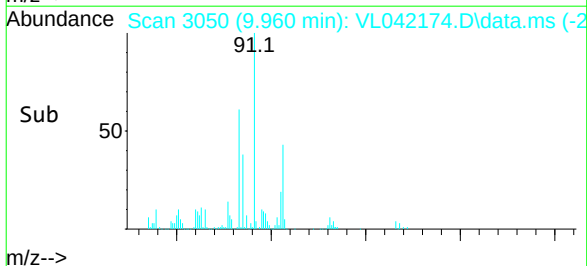
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

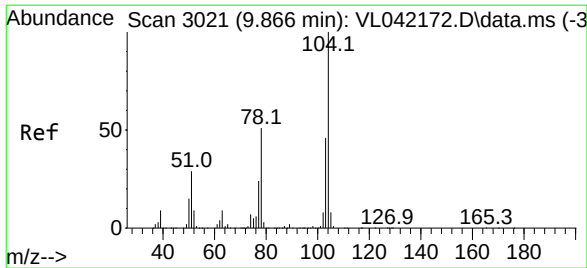


#60
o-Xylene
Concen: 1.037 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30



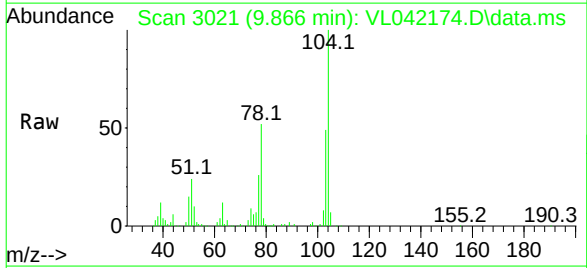
Tgt Ion: 91 Resp: 73702
Ion Ratio Lower Upper
91 100
106 44.3 20.8 62.5





#61
Styrene
Concen: 1.027 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

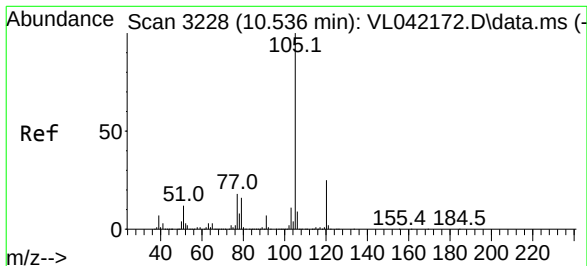
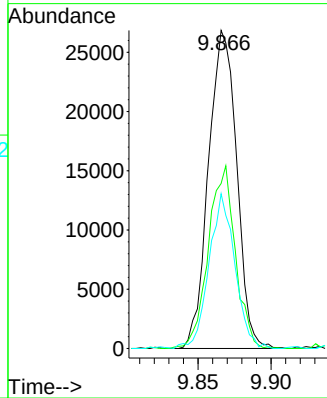
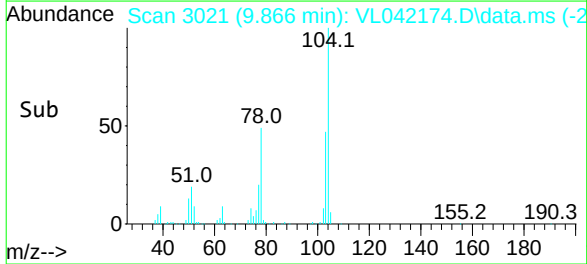
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:104 Resp: 36110
Ion Ratio Lower Upper
104 100
78 54.9 41.8 62.6
103 45.1 37.0 55.4

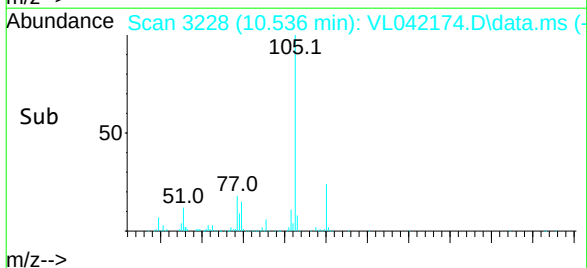
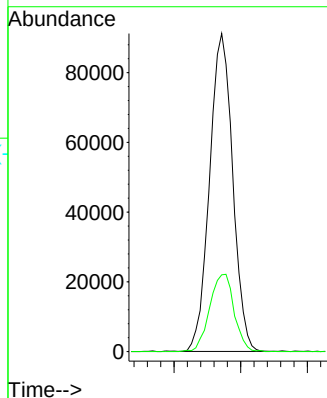
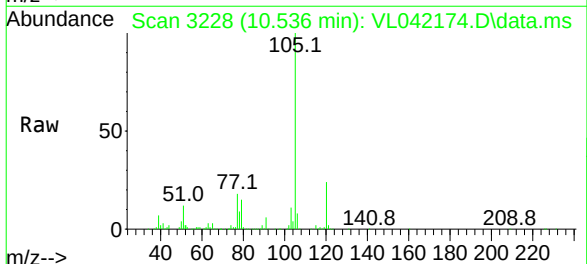
Manual Integrations
APPROVED

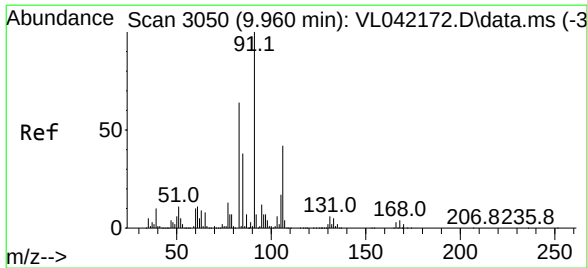
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62
Isopropylbenzene
Concen: 1.034 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

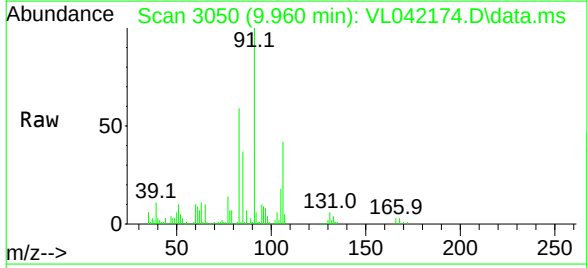
Tgt Ion:105 Resp: 109897
Ion Ratio Lower Upper
105 100
120 25.7 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 1.029 ppbv
RT: 9.960 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

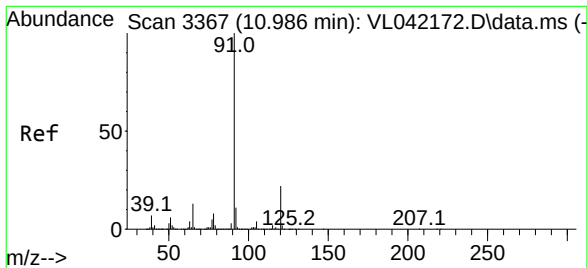
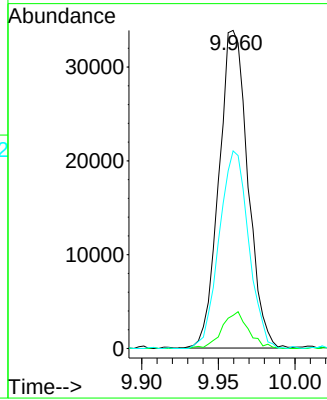
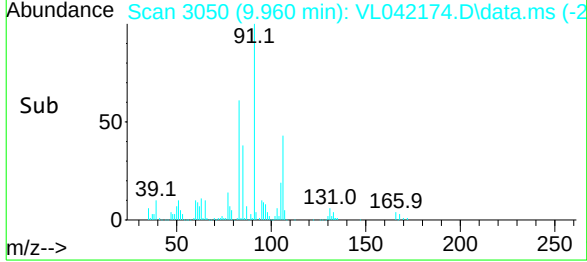
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.8	14.4
85	64.0	32.5	97.5

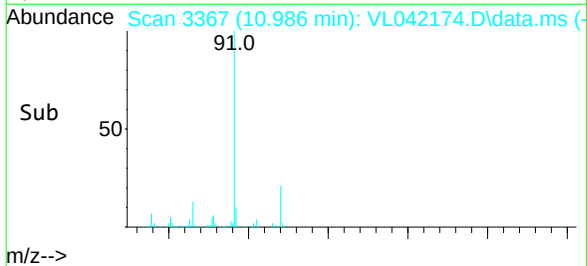
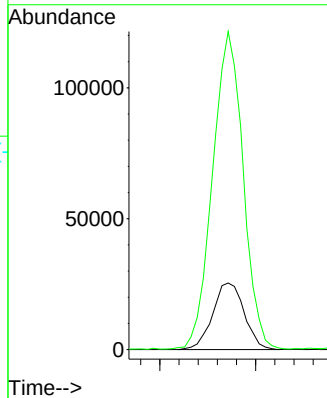
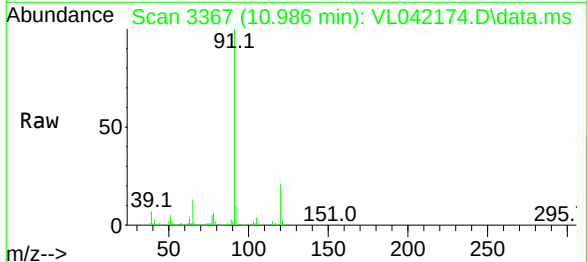
Manual Integrations
APPROVED

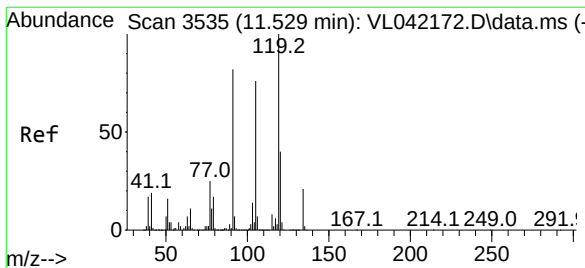
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 1.062 ppbv
RT: 10.986 min Scan# 3367
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

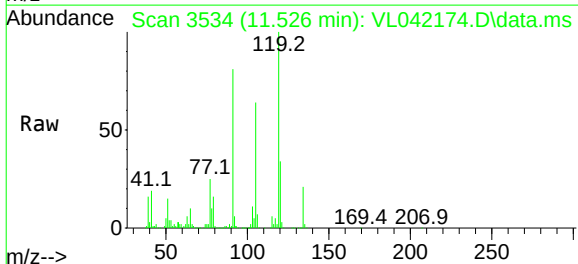
Tgt Ion	Ratio	Lower	Upper
120	100		
91	466.9	376.9	565.3





#65
tert-Butylbenzene
Concen: 1.053 ppbv
RT: 11.526 min Scan# 3535
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

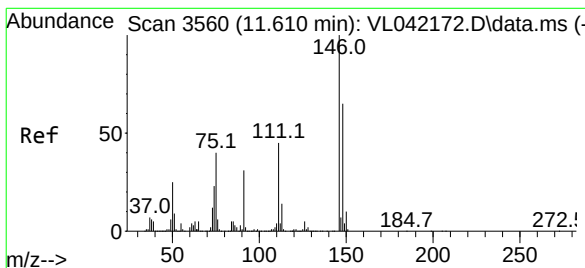
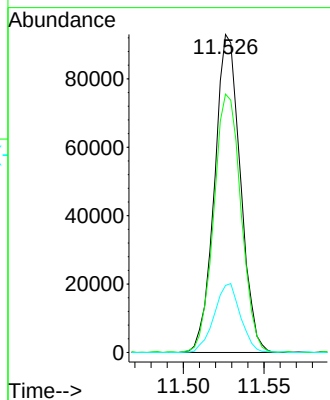
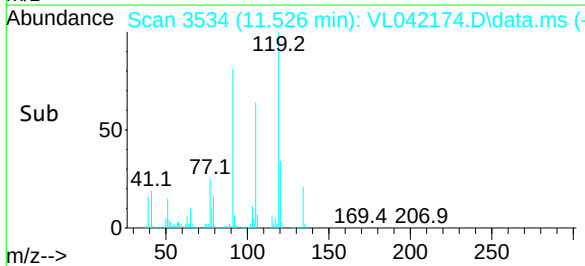
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 119 Resp: 103520
Ion Ratio Lower Upper
119 100
91 85.9 66.0 99.0
134 22.1 16.7 25.1

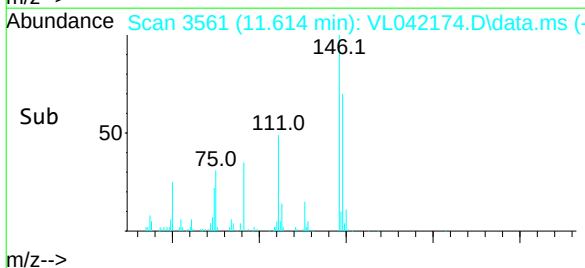
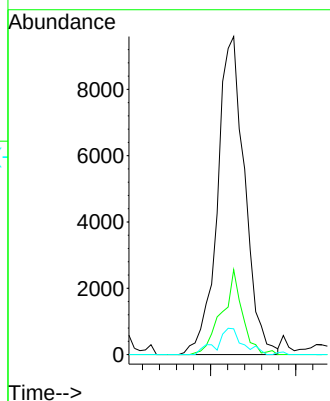
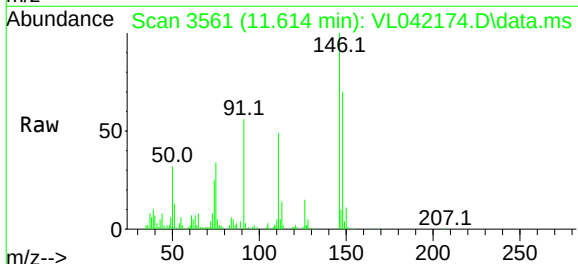
Manual Integrations
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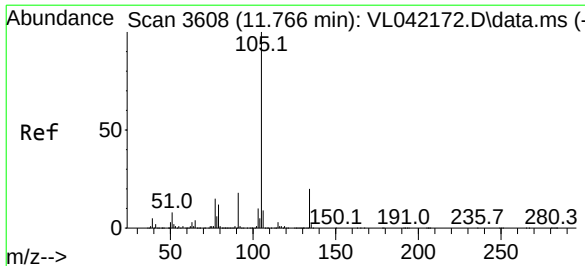
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66
Benzyl Chloride
Concen: 1.022 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 10660
Ion Ratio Lower Upper
91 100
126 20.0 13.8 20.6
128 8.0 4.5 6.7#





#67

sec-Butylbenzene

Concen: 1.095 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 149660

Ion Ratio Lower Upper

105 100

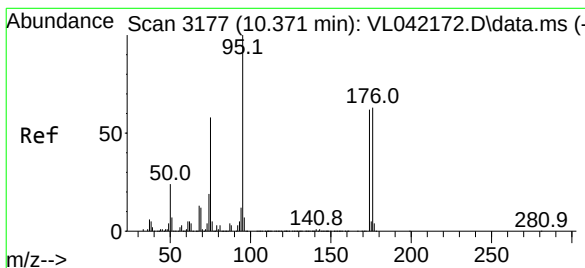
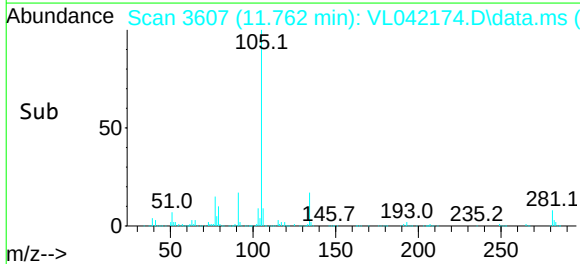
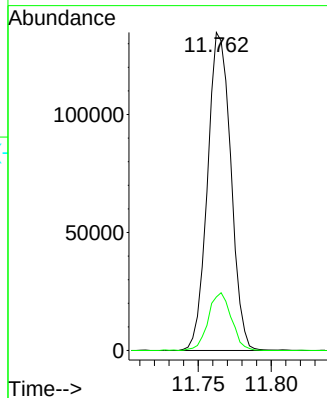
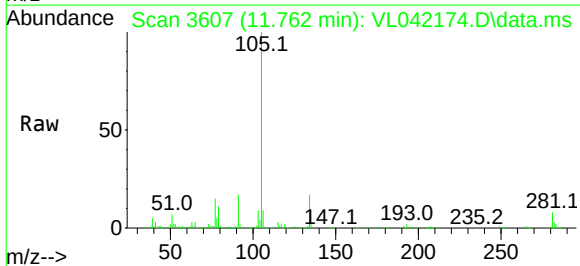
134 18.1 15.5 23.3

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025

Supervised By : Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.861 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

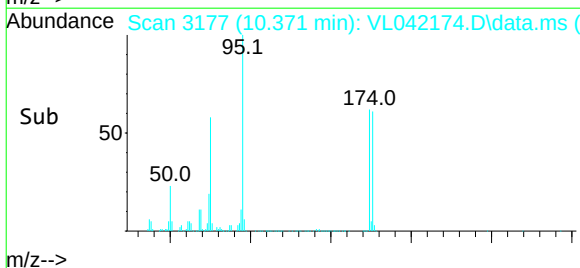
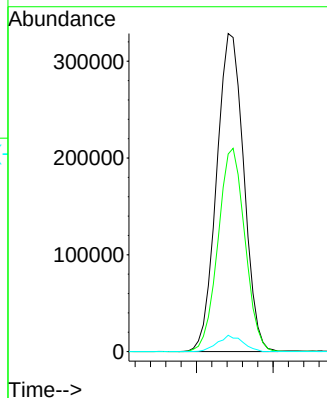
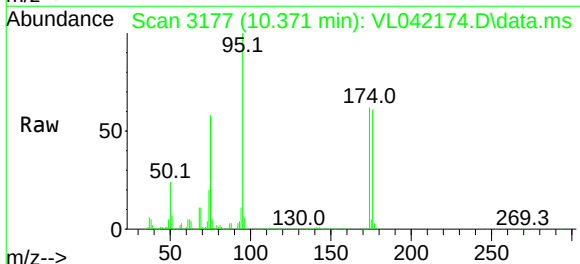
Tgt Ion: 95 Resp: 404753

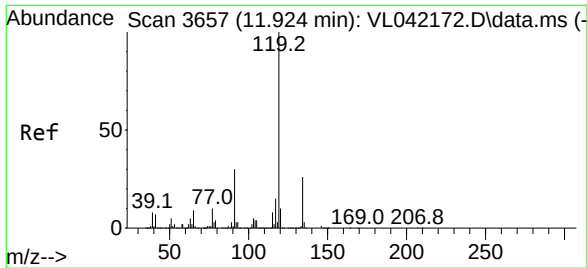
Ion Ratio Lower Upper

95 100

174 63.4 50.6 76.0

175 4.7 3.8 5.6





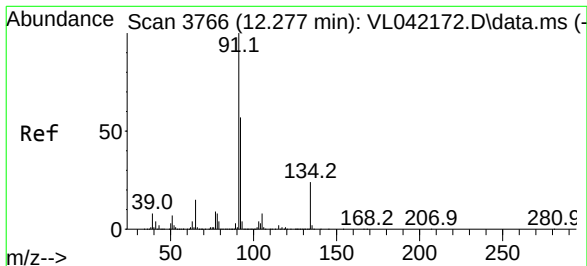
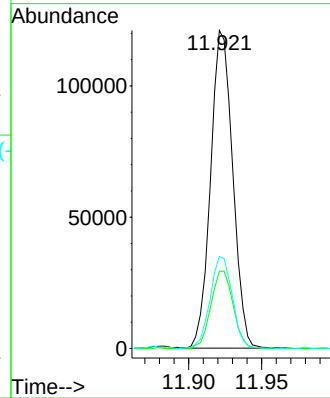
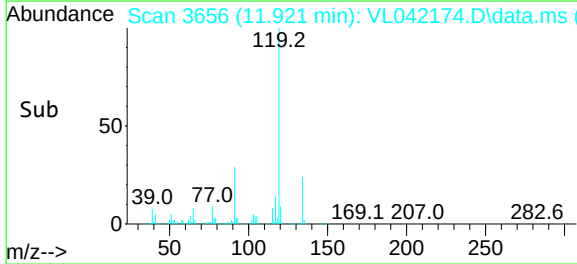
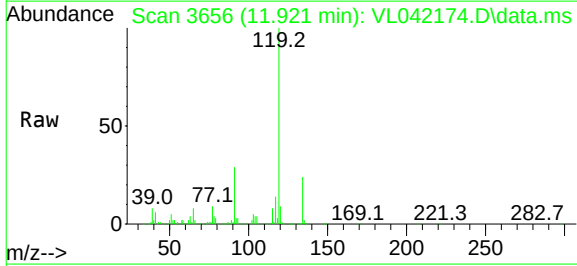
#69
 p-Isopropyltoluene
 Concen: 1.084 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. -0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion:	119	Resp:	127509
Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.4	30.6
91	30.0	23.7	35.5

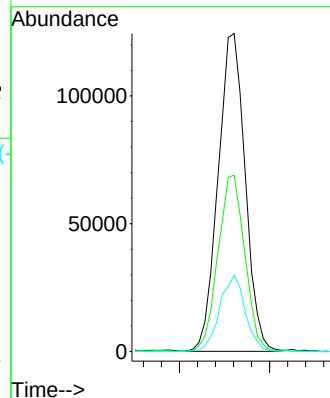
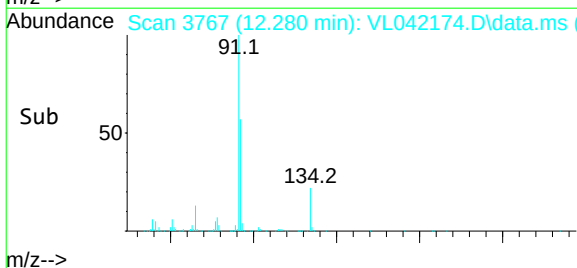
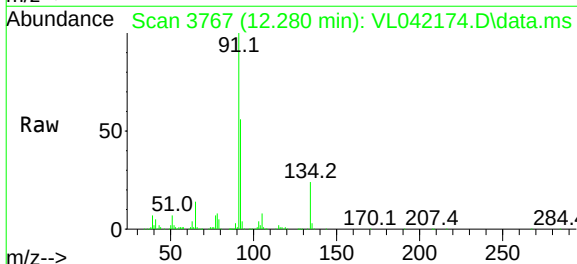
Manual Integrations
 APPROVED

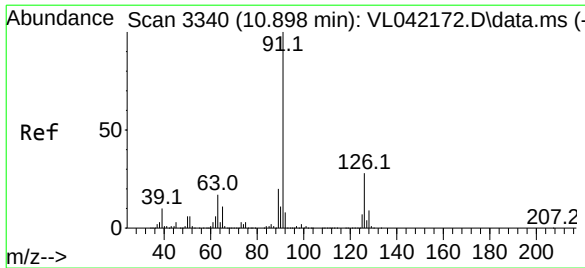
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#70
 n-Butylbenzene
 Concen: 1.079 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion:	91	Resp:	129860
Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.9	67.3
134	22.8	19.2	28.8





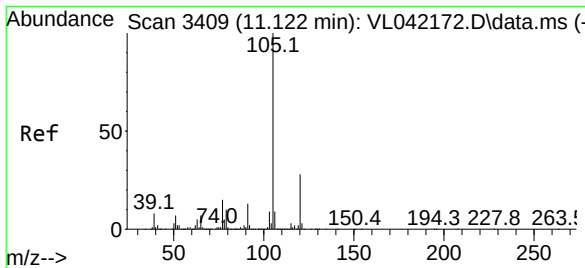
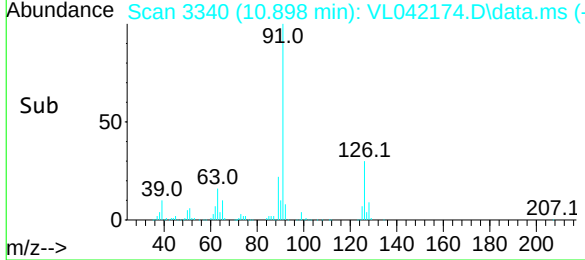
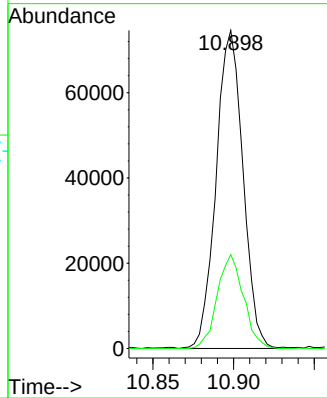
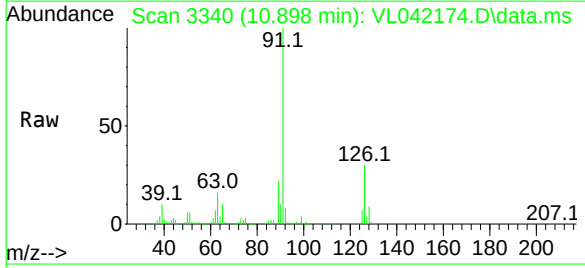
#71
2-Chlorotoluene
Concen: 1.047 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 86356
Ion Ratio Lower Upper
91 100
126 28.8 11.6 46.4

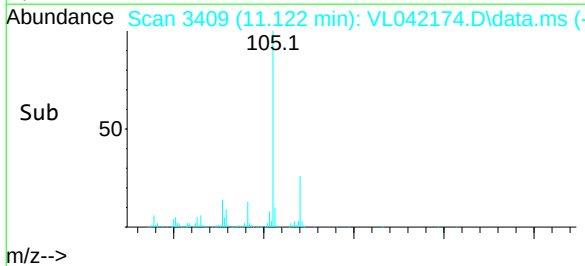
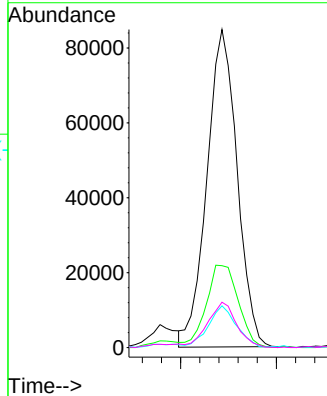
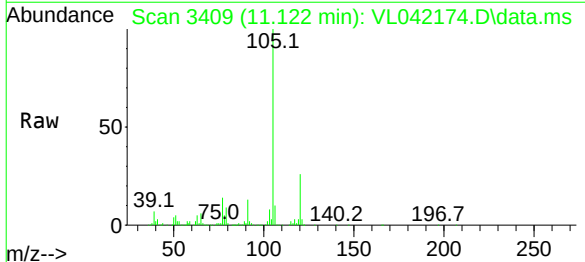
Manual Integrations
APPROVED

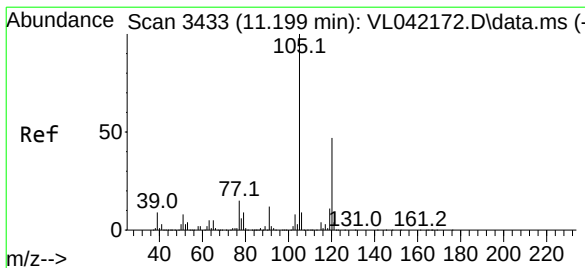
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 1.050 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 92912
Ion Ratio Lower Upper
105 100
120 29.7 23.4 35.0
91 13.5 10.3 15.5
77 15.1 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 1.080 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 83497

Ion Ratio Lower Upper

105 100

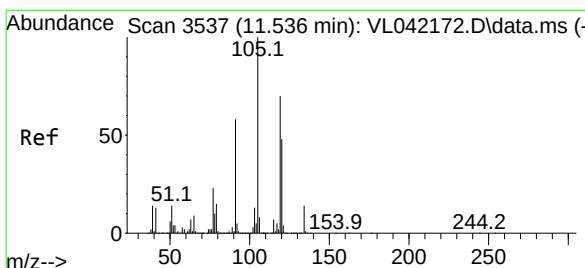
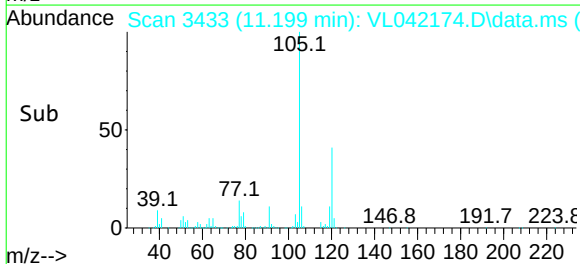
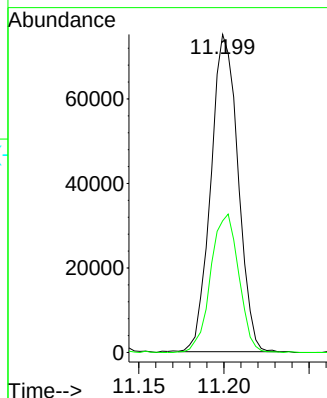
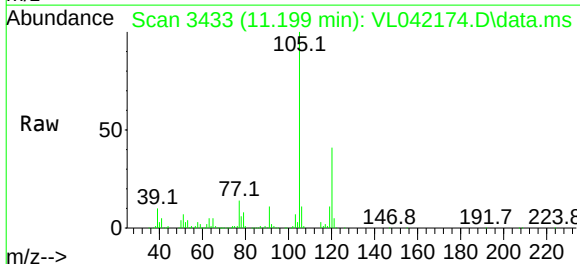
120 41.3 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.099 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 97858

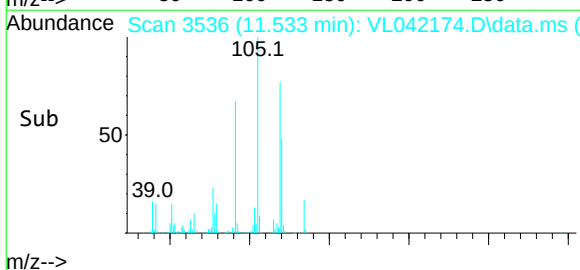
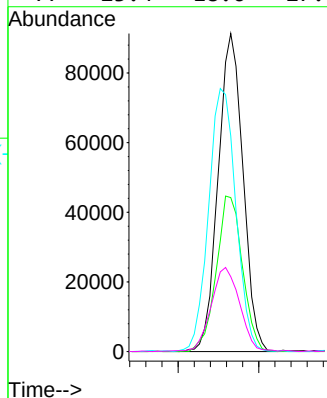
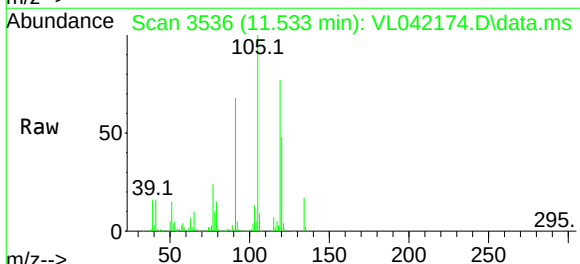
Ion Ratio Lower Upper

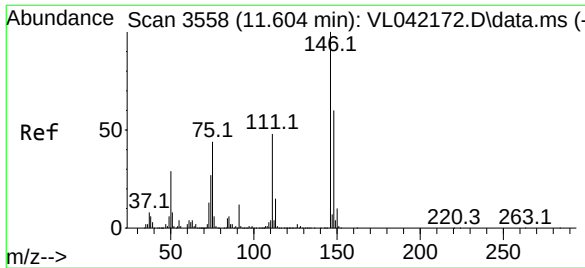
105 100

120 48.4 38.6 58.0

91 67.6 46.2 69.2

77 23.4 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 1.046 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

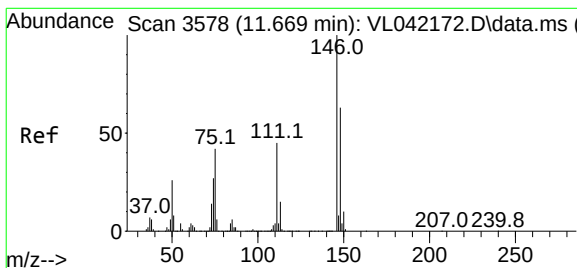
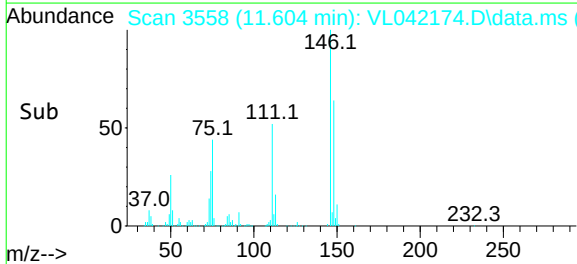
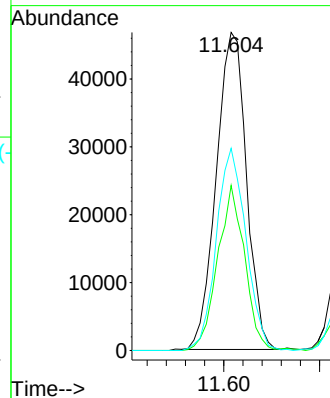
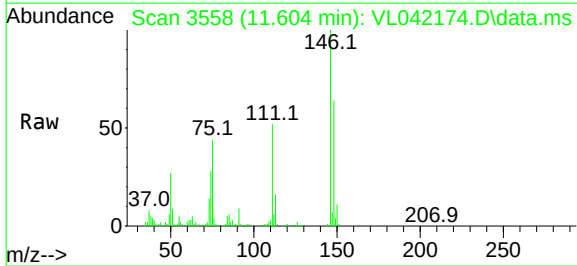
VSTDIC001

Tgt Ion:	146	Resp:	51096
Ion Ratio	Lower	Upper	
146	100		
111	46.8	23.8	71.2
148	62.6	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 1.046 ppbv

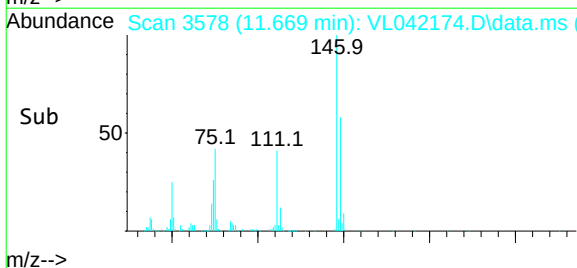
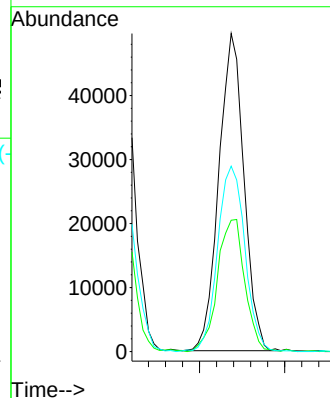
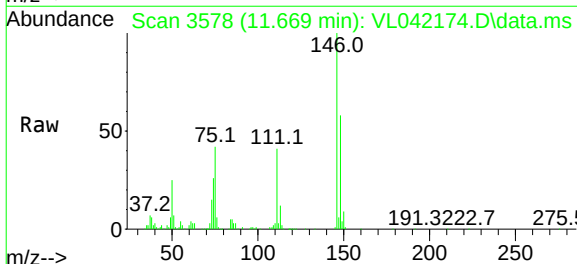
RT: 11.669 min Scan# 3578

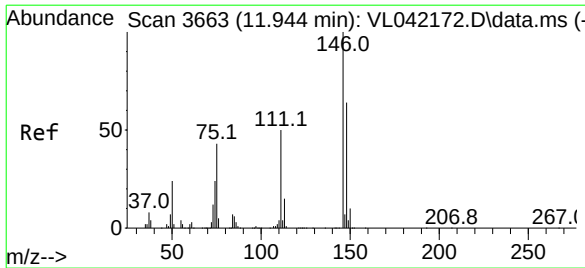
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	146	Resp:	50841
Ion Ratio	Lower	Upper	
146	100		
111	45.4	23.0	69.0
148	63.6	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 1.084 ppbv

RT: 11.944 min Scan# 3663

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

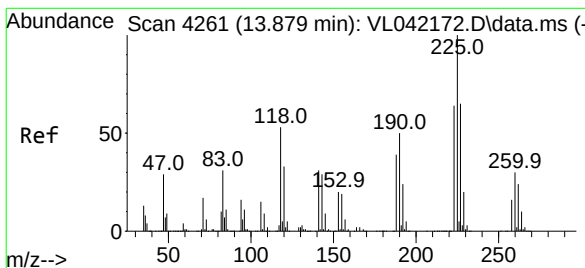
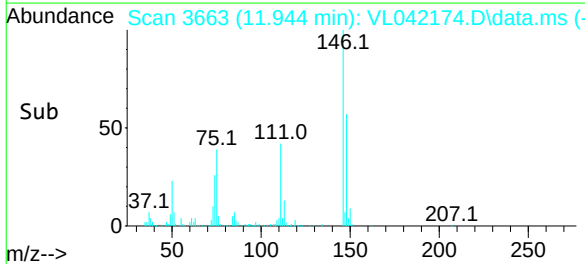
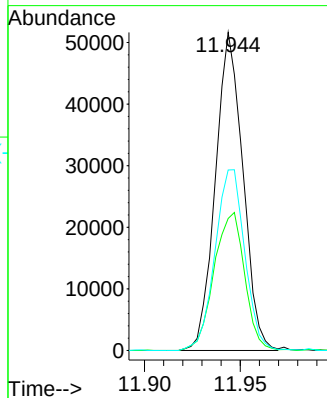
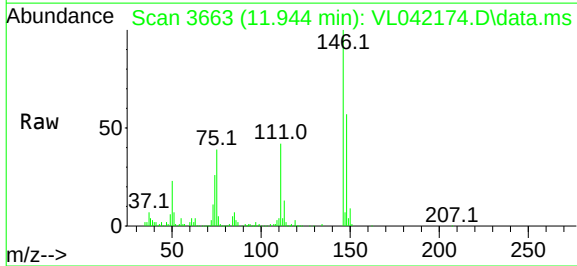
VSTDIC001

Tgt Ion:	146	Resp:	51523
Ion Ratio	Lower	Upper	
146	100		
111	48.6	24.8	74.3
148	61.9	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 1.149 ppbv

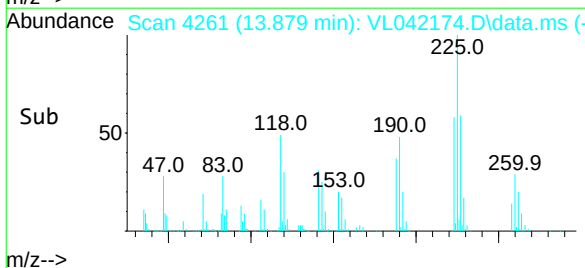
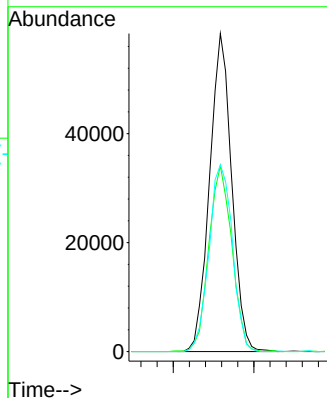
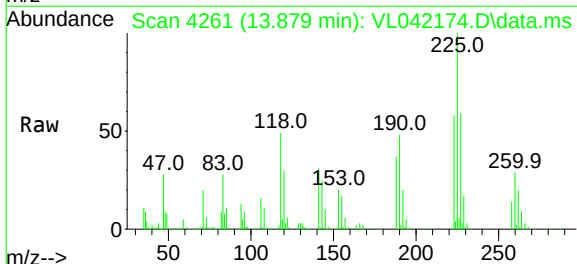
RT: 13.879 min Scan# 4261

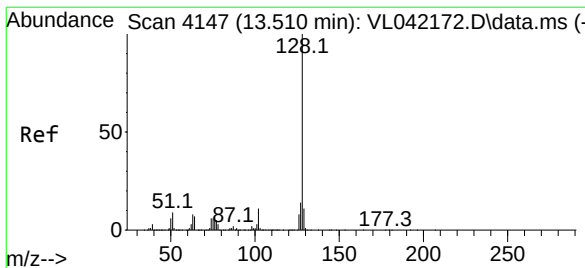
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:	225	Resp:	55611
Ion Ratio	Lower	Upper	
225	100		
223	60.8	50.6	76.0
227	62.3	51.2	76.8





#79

Naphthalene

Concen: 1.120 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

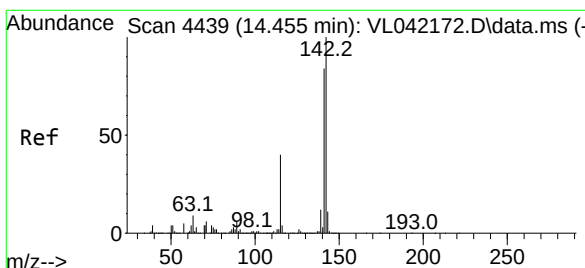
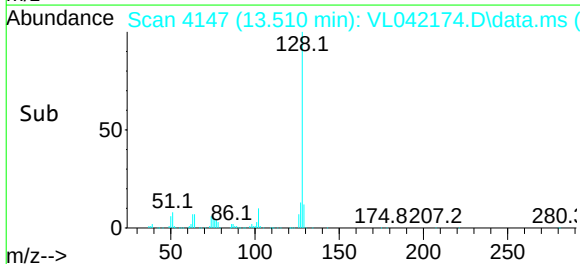
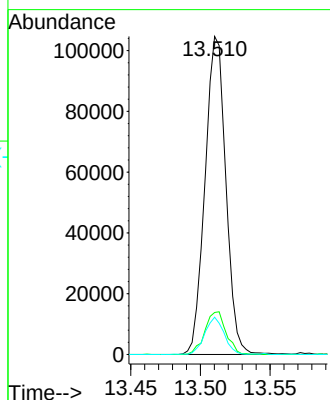
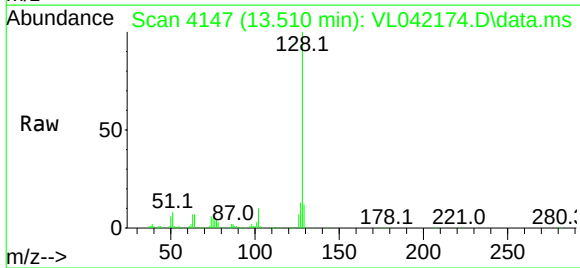
VSTDICC001

Tgt Ion:	128	Resp:	109031
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	11.7	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene,2-methyl-

Concen: 0.939 ppbv

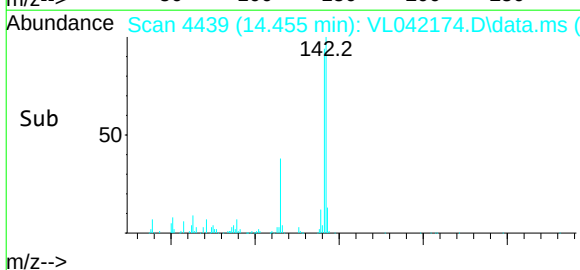
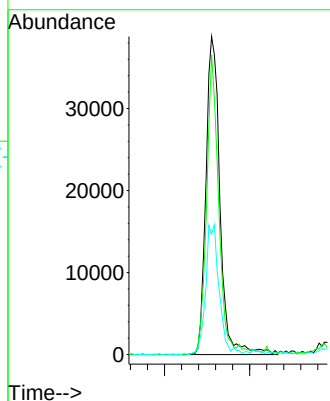
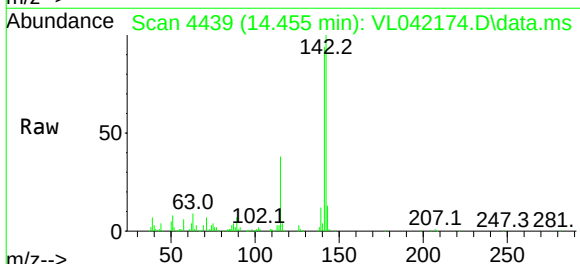
RT: 14.455 min Scan# 4439

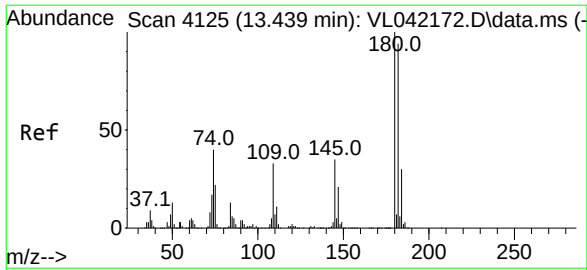
Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

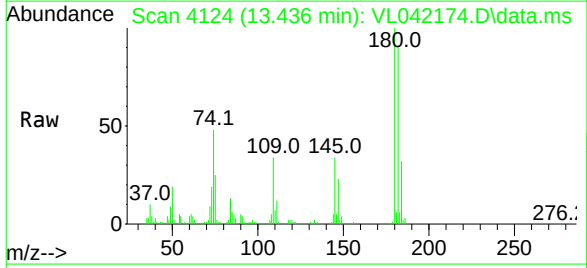
Tgt Ion:	142	Resp:	44518
Ion Ratio	Lower	Upper	
142	100		
141	83.4	66.3	99.5
115	41.5	31.6	47.4





#81
1,2,4-Trichlorobenzene
Concen: 1.047 ppbv
RT: 13.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

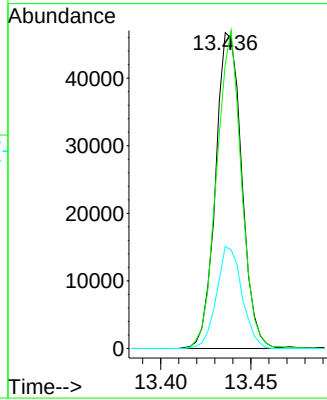
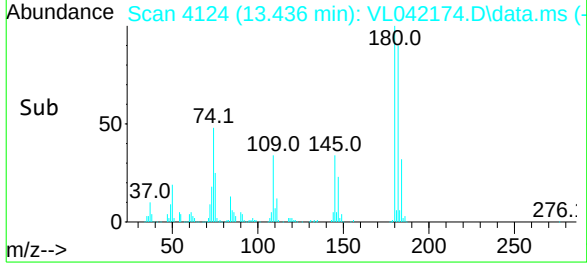
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:180 Resp: 47040
Ion Ratio Lower Upper
180 100
182 95.7 75.1 112.7
184 31.4 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042175.D
 Acq On : 27 Mar 2025 10:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:34:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	180502	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	523832	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	485078	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 403513 10.130 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.496	85	14455	0.542	ppbv	95
3) Chlorodifluoromethane	1.473	51	14637	0.538	ppbv #	89
4) Chloromethane	1.531	50	5956	0.547	ppbv	94
5) Vinyl Chloride	1.577	62	5732	0.516	ppbv	92
6) Bromomethane	1.664	94	2949	0.597	ppbv	95
7) Chloroethane	1.703	64	2582	0.591	ppbv #	87
8) Dichlorotetrafluoroethane	1.551	85	11783	0.519	ppbv	98
9) Propene	1.483	41	6622m	0.540	ppbv	
10) Heptane	4.972	43	16673	0.502	ppbv	89
11) Trichlorofluoromethane	1.874	101	14099	0.544	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.136	101	11252	0.528	ppbv	99
13) Ethanol	1.722	45	997	1.038	ppbv #	36
14) Bromoethene	1.780	108	4770	0.584	ppbv #	86
15) Acetone	1.835	43	15331	0.607	ppbv #	85
16) 1,3-Butadiene	1.606	39	8594	0.757	ppbv	82
17) tert-Butyl alcohol	2.039	59	17467	0.556	ppbv	97
18) 1,1-Dichloroethene	2.030	96	5634	0.565	ppbv #	92
19) Isopropyl Alcohol	1.884	45	9171	0.644	ppbv #	39
20) Methylene Chloride	2.059	84	5634	0.599	ppbv #	93
21) Allyl Chloride	2.091	41	9632	0.541	ppbv	89
22) trans-1,2-Dichloroethene	2.334	96	6353	0.546	ppbv	83
23) Vinyl Acetate	2.457	43	6809	0.649	ppbv #	91
24) 1,1-Dichloroethane	2.405	63	11258	0.527	ppbv	97
25) Ethyl Acetate	2.836	43	36258	0.553	ppbv	98
26) Hexane	2.823	57	13605	0.538	ppbv	92
27) Carbon Disulfide	2.146	76	14510	0.535	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	8310	0.527	ppbv #	89
29) Chloroform	2.845	83	20149	0.544	ppbv	98
30) Cyclohexane	3.852	84	12063m	0.549	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	13601	0.529	ppbv	92
32) 1,1,1-Trichloroethane	3.360	97	20567	0.485	ppbv	100
34) 2-Butanone	2.557	43	19739	0.520	ppbv	96
35) Carbon Tetrachloride	3.755	117	18558	0.460	ppbv	93
36) Benzene	3.651	78	27488	0.529	ppbv #	87
37) 1,2-Dichloroethane	3.214	62	16062	0.540	ppbv	100
38) Trichloroethene	4.538	130	11460m	0.529	ppbv	
39) 1,2-Dichloropropane	4.308	63	10123	0.535	ppbv	92
40) 1,4-Dioxane	4.593	88	6121m	0.624	ppbv	
41) Tetrahydrofuran	3.059	42	11509m	0.533	ppbv	
42) Bromodichloromethane	4.483	83	20374	0.497	ppbv #	98
43) Methyl Methacrylate	4.875	69	11583m	0.528	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	46646	0.532	ppbv	95
45) t-1,3-Dichloropropene	6.406	75	12404	0.526	ppbv #	79

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042175.D
 Acq On : 27 Mar 2025 10:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:34:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	14374m	0.497	ppbv	
47) 1,1,2-Trichloroethane	6.574	97	10972m	0.549	ppbv	
48) Dibromochloromethane	7.380	129	17042	0.503	ppbv	99
49) Bromoform	9.480	173	14828	0.487	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	33674	0.559	ppbv	97
51) 2-Hexanone	7.438	43	26154	0.523	ppbv #	100
52) Tetrachloroethene	8.218	164	10502	0.510	ppbv	94
53) Toluene	6.923	91	32444	0.527	ppbv	98
54) 1,2-Dibromoethane	7.648	107	14220	0.510	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.920	131	13959	0.523	ppbv #	1
57) Chlorobenzene	8.914	112	24826	0.540	ppbv #	91
58) Ethyl Benzene	9.348	91	44862	0.521	ppbv	96
59) m/p-Xylene	9.542	91	73028m	1.060	ppbv	
60) o-Xylene	9.959	91	36879	0.535	ppbv	98
61) Styrene	9.866	104	17198	0.504	ppbv	96
62) Isopropylbenzene	10.536	105	55531	0.538	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	21989	0.525	ppbv	96
64) n-propylbenzene	10.985	120	14030	0.528	ppbv	95
65) tert-Butylbenzene	11.526	119	53115	0.557	ppbv	100
66) Benzyl Chloride	11.613	91	5263	0.520	ppbv	97
67) sec-Butylbenzene	11.762	105	72879	0.550	ppbv	98
69) p-Isopropyltoluene	11.921	119	61933	0.542	ppbv	100
70) n-Butylbenzene	12.277	91	61507	0.527	ppbv	99
71) 2-Chlorotoluene	10.895	91	41637	0.520	ppbv	95
72) 4-Ethyltoluene	11.121	105	44473	0.518	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.199	105	39190	0.523	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	48370	0.560	ppbv	97
75) 1,3-Dichlorobenzene	11.600	146	25122	0.530	ppbv	100
76) 1,4-Dichlorobenzene	11.668	146	24991	0.530	ppbv	97
77) 1,2-Dichlorobenzene	11.943	146	24548	0.532	ppbv	96
78) Hexachloro-1,3-Butadiene	13.879	225	25636	0.546	ppbv	99
79) Naphthalene	13.510	128	47990	0.508	ppbv	95
80) Naphthalene,2-methyl-	14.458	142	17486	0.380	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	19924	0.457	ppbv	97

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

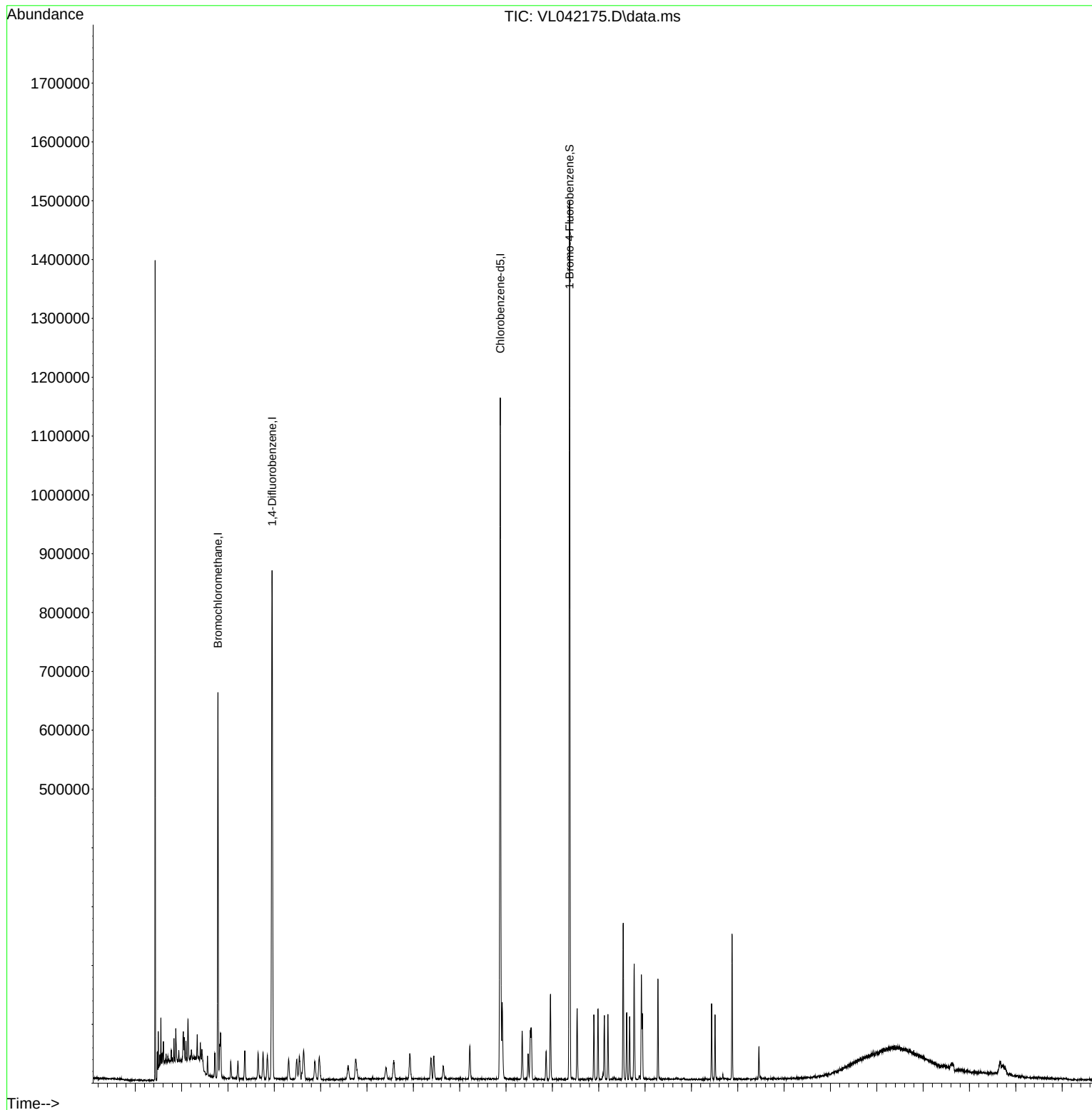
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042175.D
Acq On : 27 Mar 2025 10:01
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

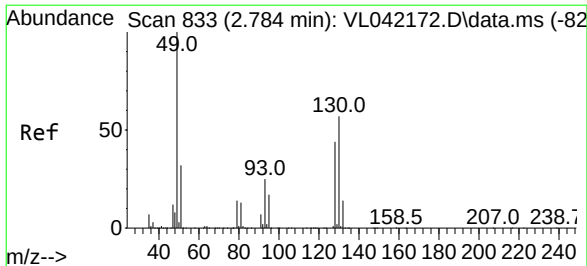
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Mar 28 01:34:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

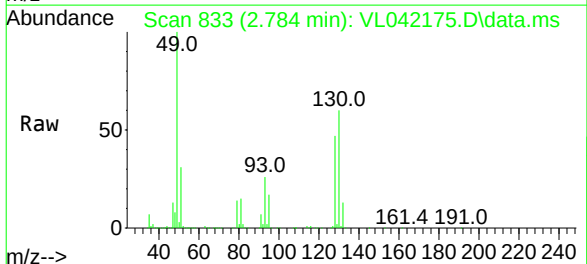
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

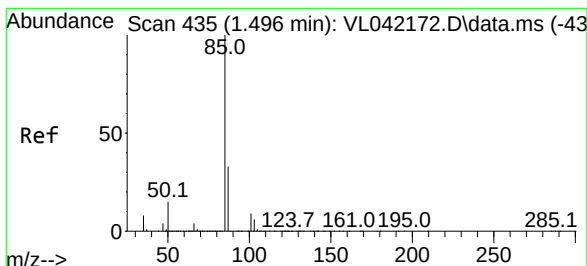
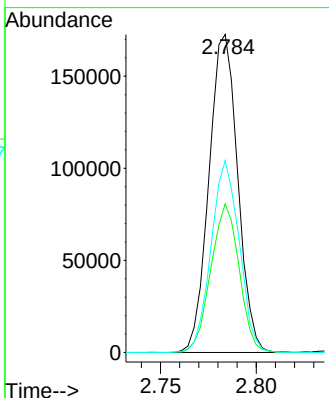
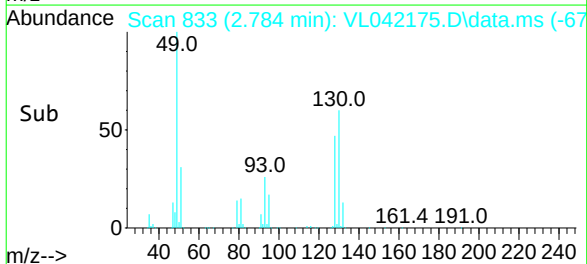
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



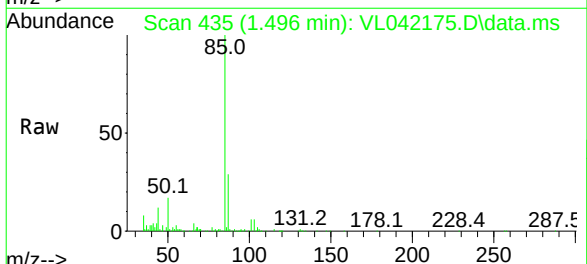
Tgt Ion: 49 Resp: 180502
Ion Ratio Lower Upper
49 100
128 46.1 22.9 68.5
130 59.2 28.8 86.4

Manual Integrations
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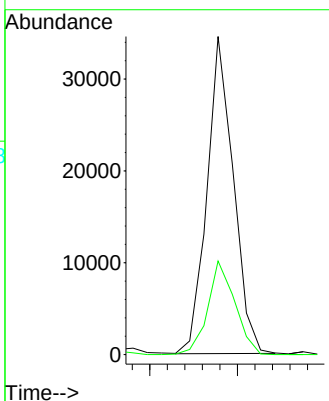
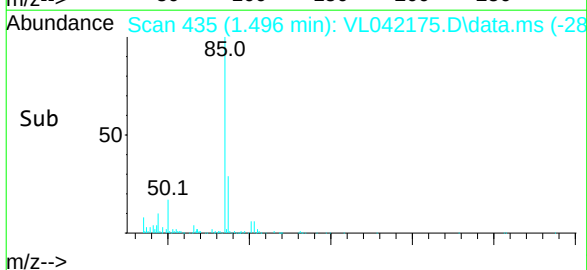
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

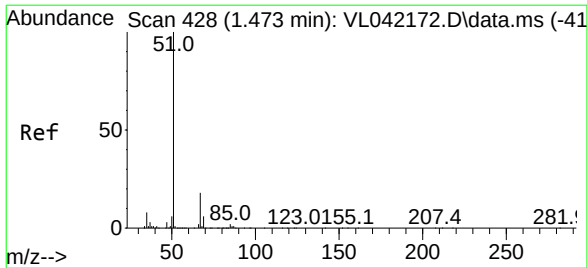


#2
Dichlorodifluoromethane
Concen: 0.542 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



Tgt Ion: 85 Resp: 14455
Ion Ratio Lower Upper
85 100
87 29.5 26.1 39.1





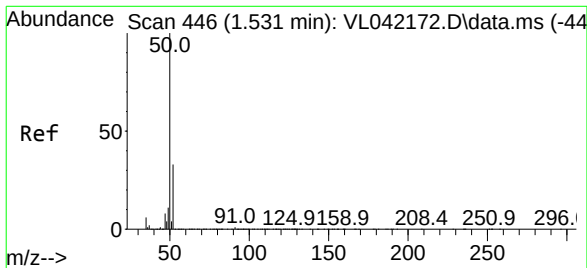
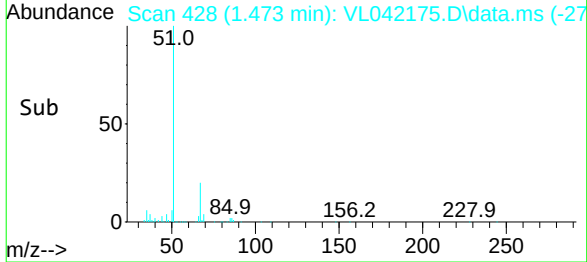
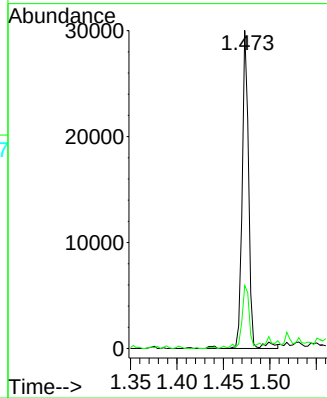
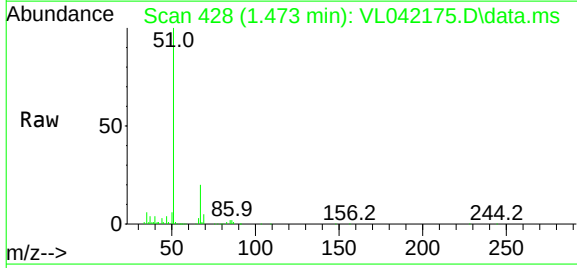
#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 14637
Ion Ratio Lower Upper
51 100
67 23.6 15.0 22.6#

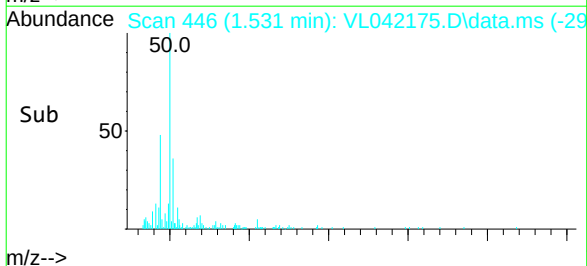
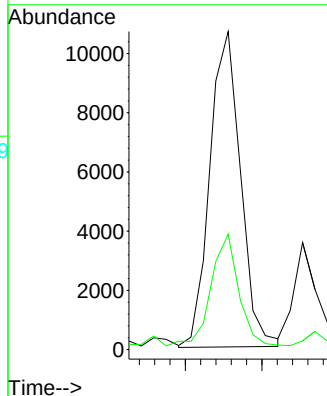
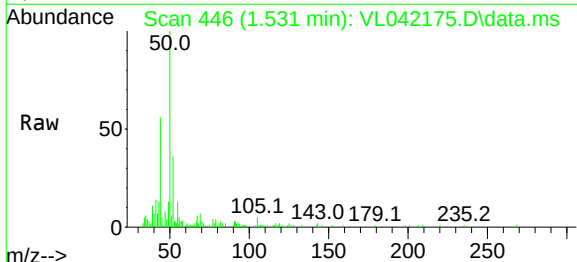
Manual Integrations
APPROVED

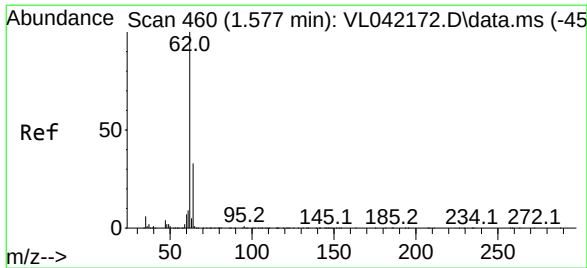
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 50 Resp: 5956
Ion Ratio Lower Upper
50 100
52 36.1 26.1 39.1





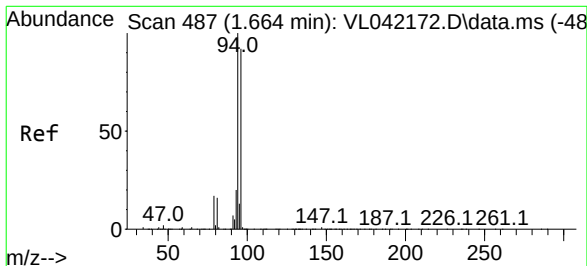
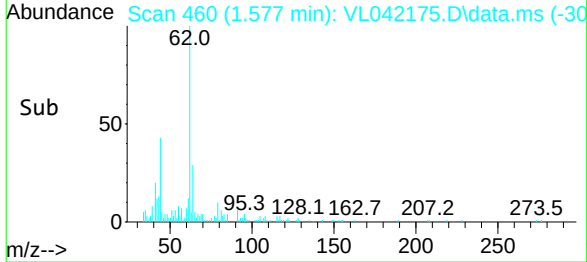
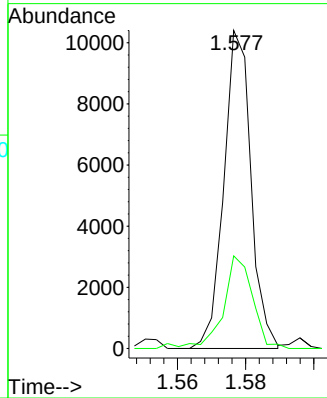
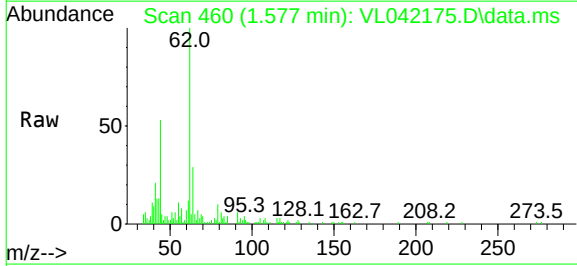
#5
 Vinyl Chloride
 Concen: 0.516 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 5732
 Ion Ratio Lower Upper
 62 100
 64 28.5 26.6 40.0

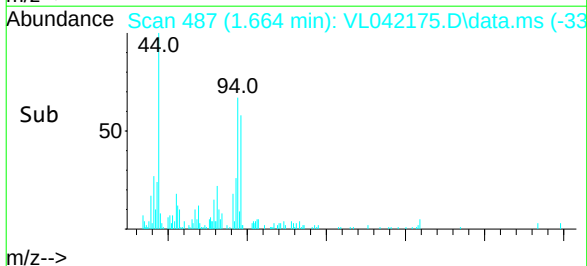
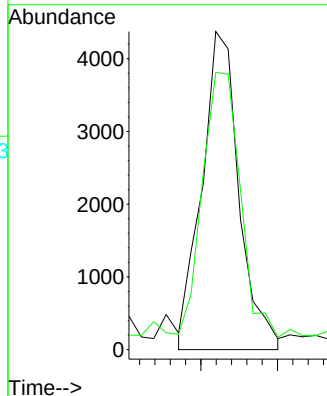
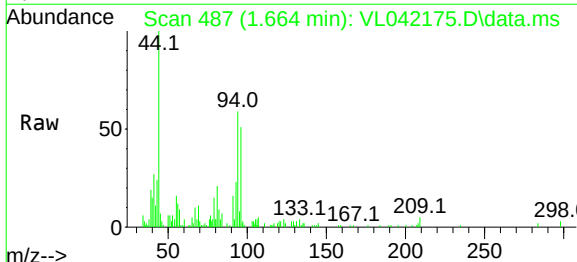
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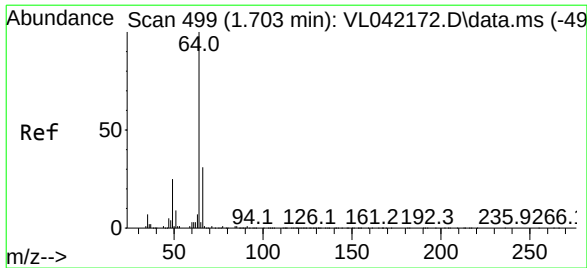
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 0.597 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

Tgt Ion: 94 Resp: 2949
 Ion Ratio Lower Upper
 94 100
 96 86.2 73.1 109.7





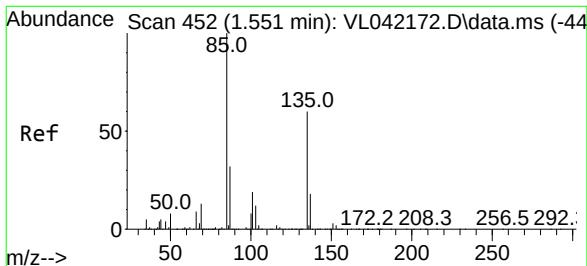
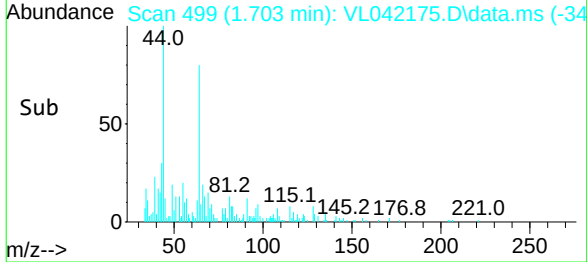
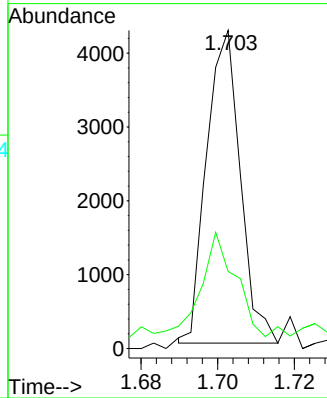
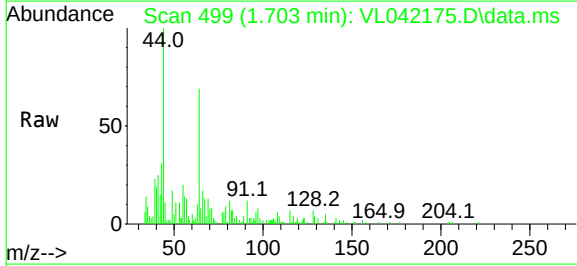
#7
Chloroethane
Concen: 0.591 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5

Tgt Ion: 64 Resp: 2582
Ion Ratio Lower Upper
64 100
66 24.2 25.2 37.8#

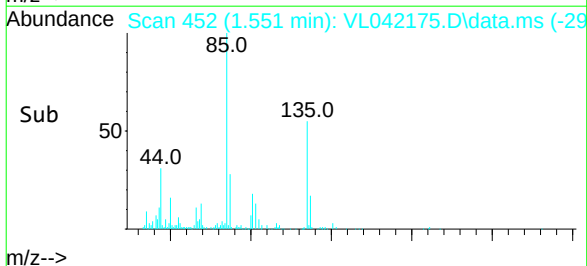
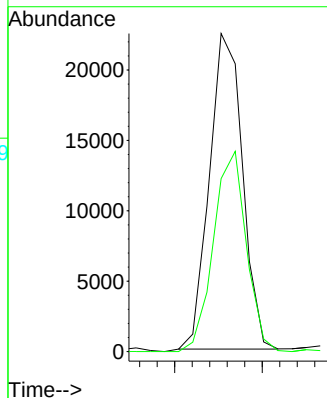
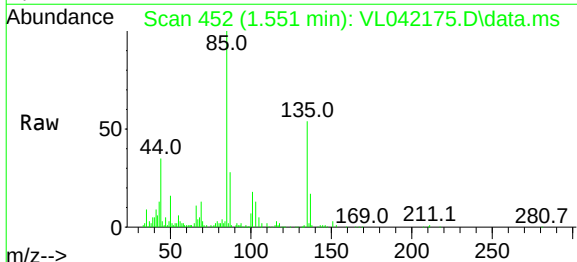
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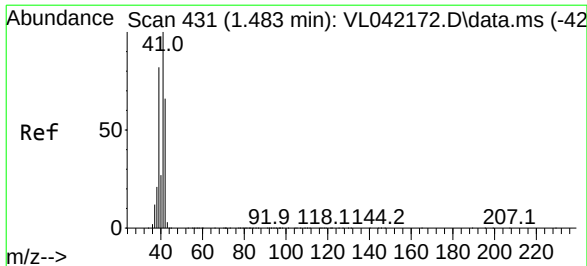
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 0.519 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

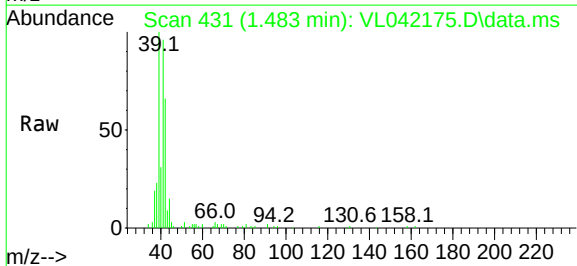
Tgt Ion: 85 Resp: 11783
Ion Ratio Lower Upper
85 100
135 63.7 52.4 78.6





#9
 Propene
 Concen: 0.540 ppbv m
 RT: 1.483 min Scan# 431
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

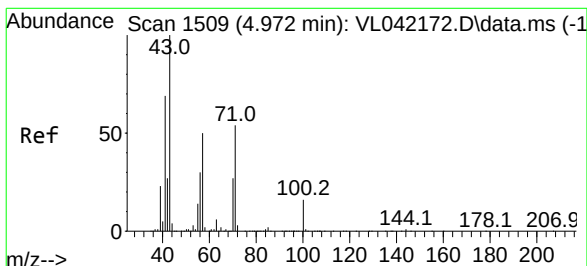
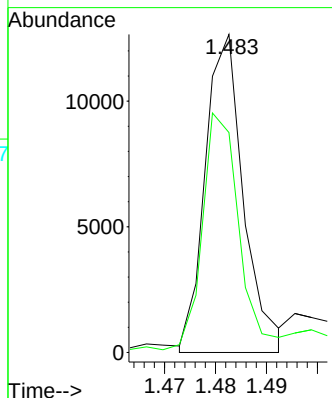
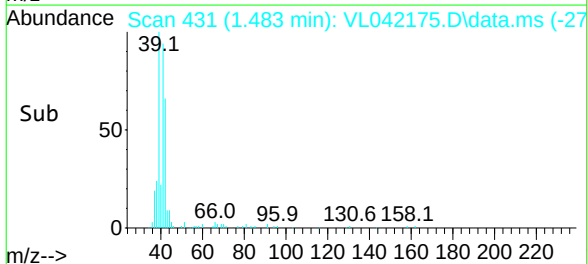
Instrument : MSVOA_L
 ClientSampleId : VSTDIC0.5



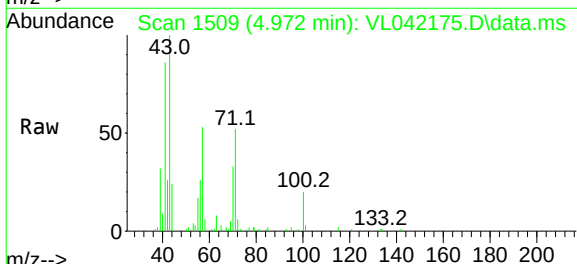
Tgt Ion: 41 Resp: 6622
 Ion Ratio Lower Upper
 41 100
 42 19.5 55.4 83.2#

Manual Integrations
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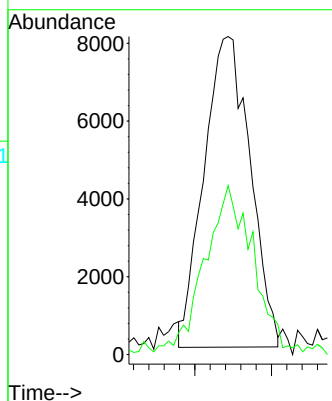
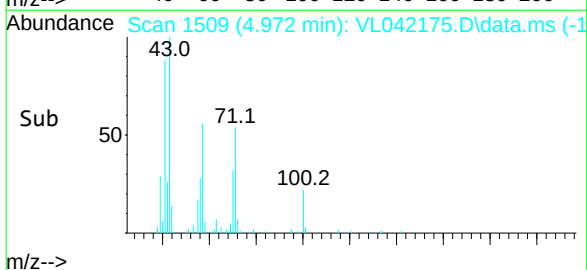
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

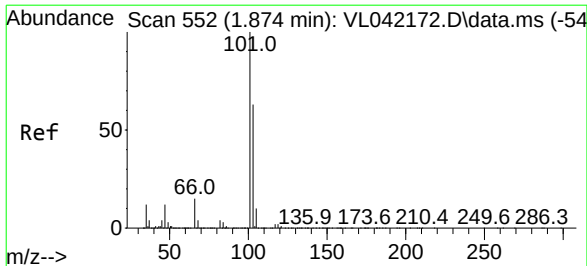


#10
 Heptane
 Concen: 0.502 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01



Tgt Ion: 43 Resp: 16673
 Ion Ratio Lower Upper
 43 100
 57 57.0 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.544 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:101 Resp: 14099

Ion Ratio Lower Upper

101 100

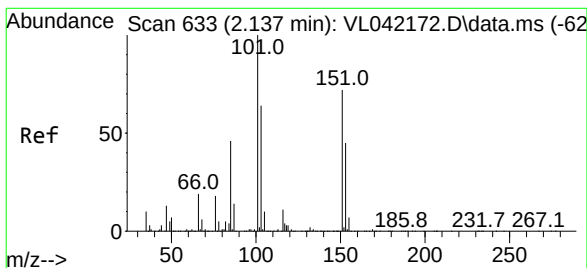
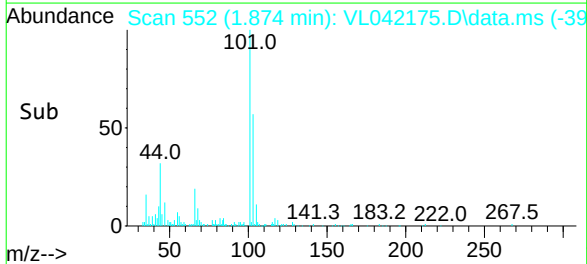
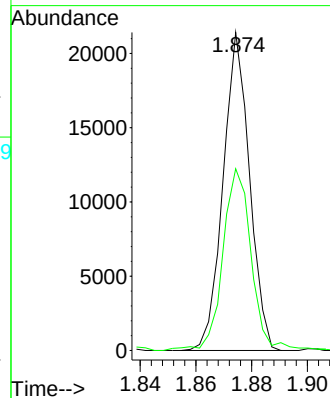
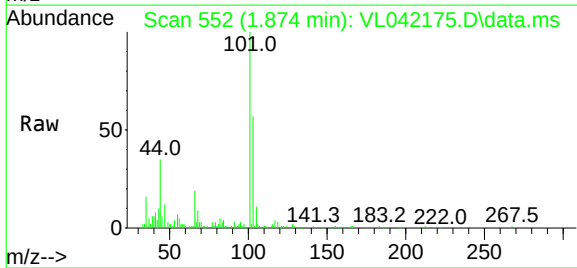
103 56.3 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.528 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL042175.D

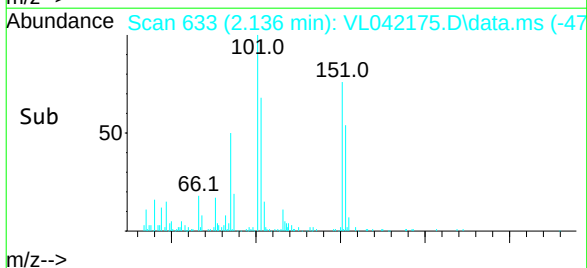
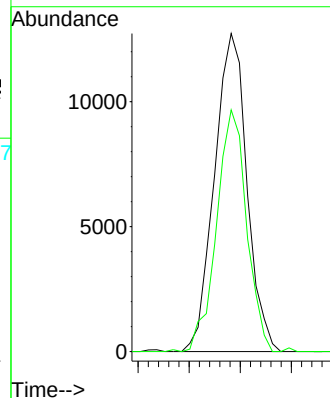
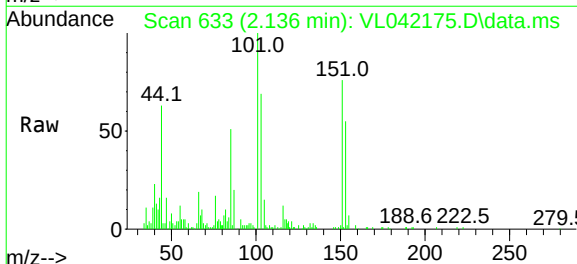
Acq: 27 Mar 2025 10:01

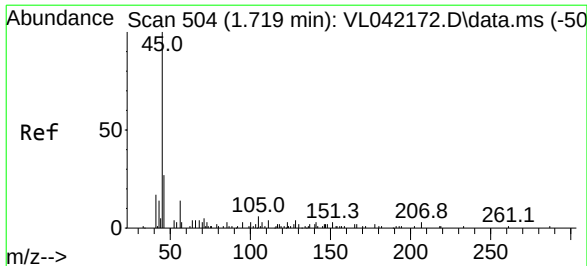
Tgt Ion:101 Resp: 11252

Ion Ratio Lower Upper

101 100

151 70.6 57.1 85.7





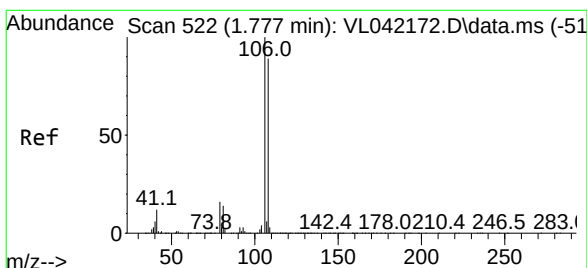
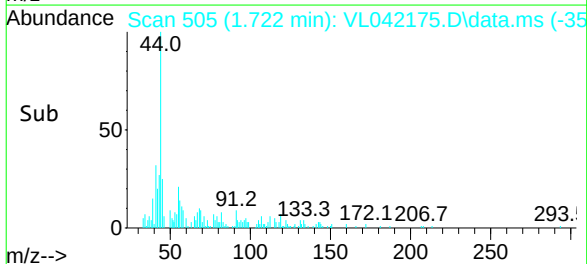
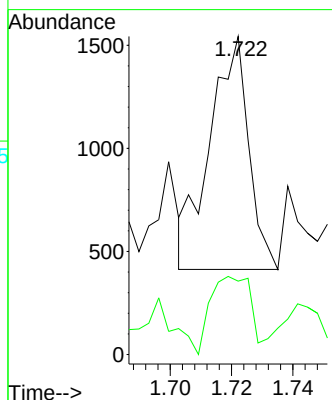
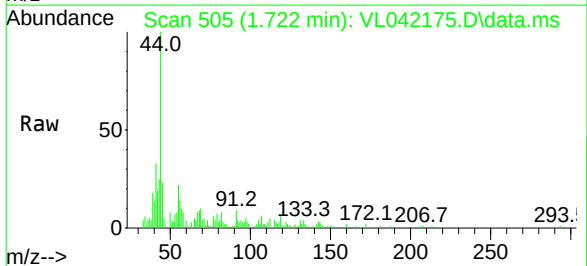
#13
Ethanol
Concen: 1.038 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 997
Ion Ratio Lower Upper
45 100
46 94.5 20.2 80.8#

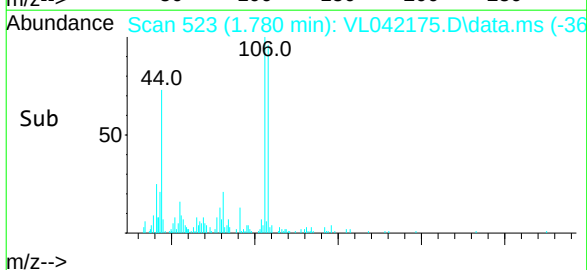
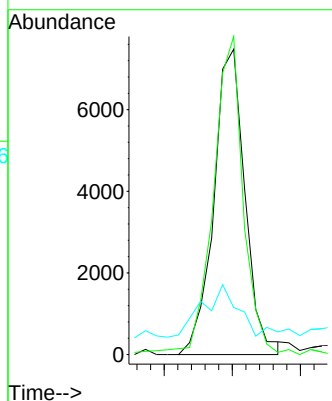
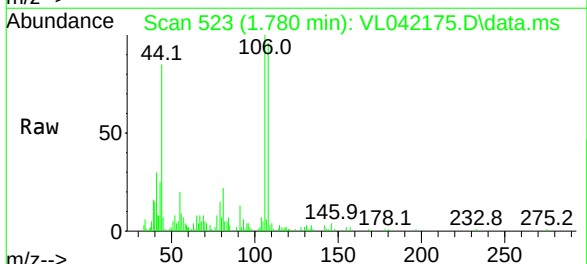
Manual Integrations
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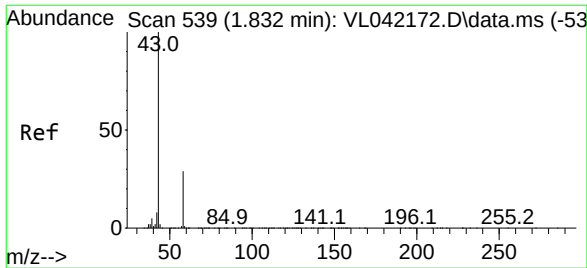
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 0.584 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:108 Resp: 4770
Ion Ratio Lower Upper
108 100
106 101.3 86.8 130.2
79 42.6 15.0 22.6#





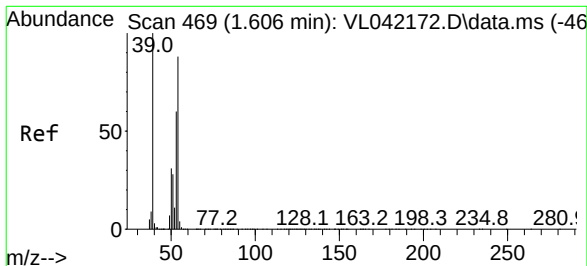
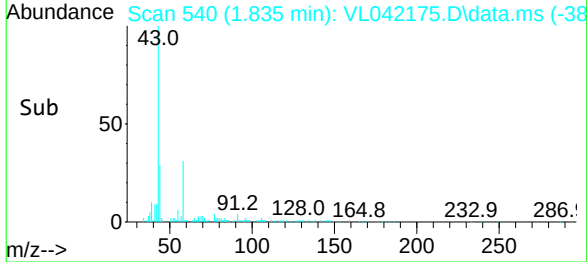
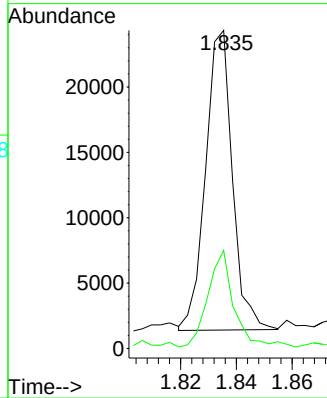
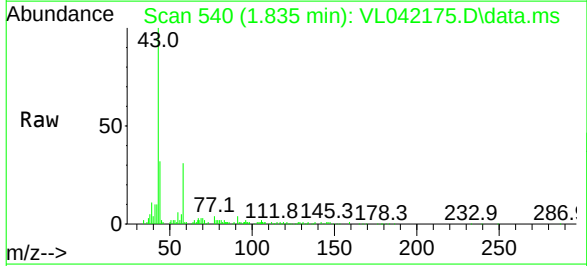
#15
Acetone
Concen: 0.607 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 15331
Ion Ratio Lower Upper
43 100
58 37.1 23.2 34.8#

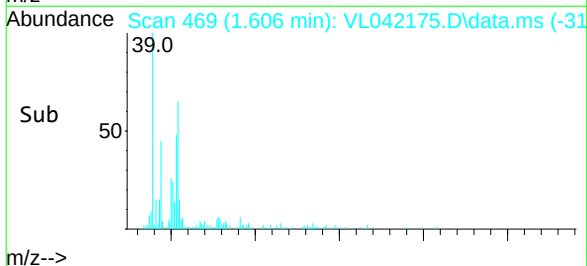
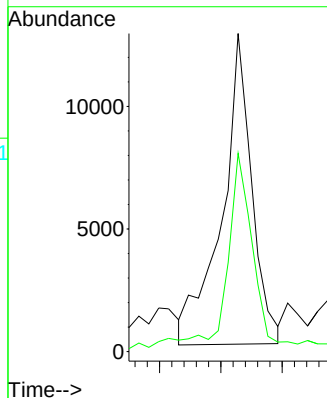
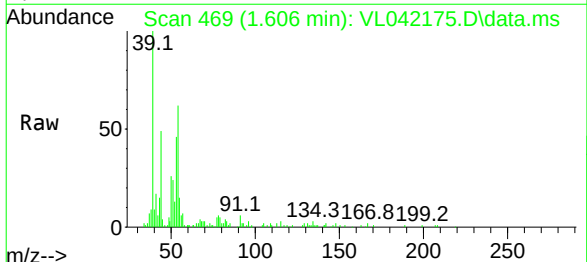
Manual Integrations
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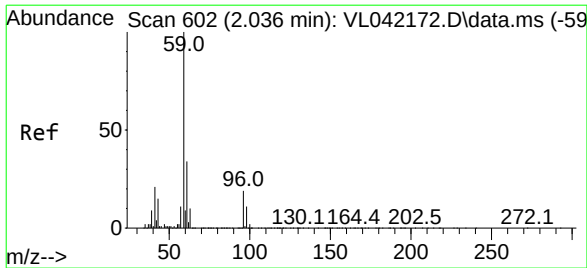
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 0.757 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 39 Resp: 8594
Ion Ratio Lower Upper
39 100
54 60.7 60.7 91.1





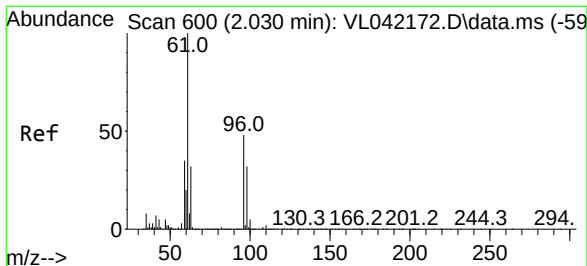
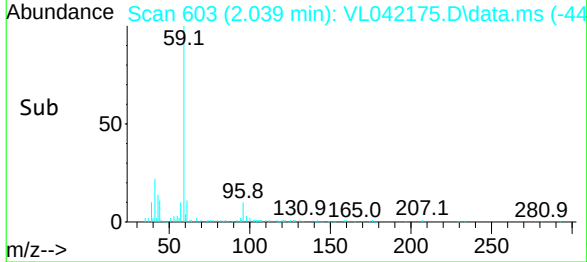
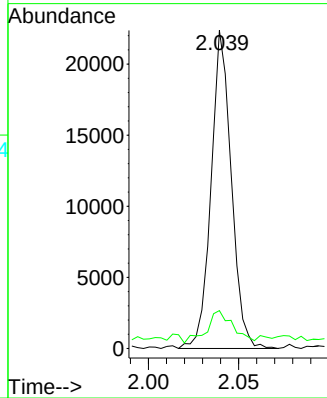
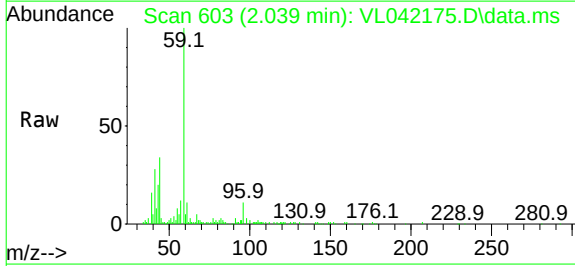
#17
tert-Butyl alcohol
Concen: 0.556 ppbv
RT: 2.039 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 17467
Ion Ratio Lower Upper
59 100
57 12.1 8.9 13.3

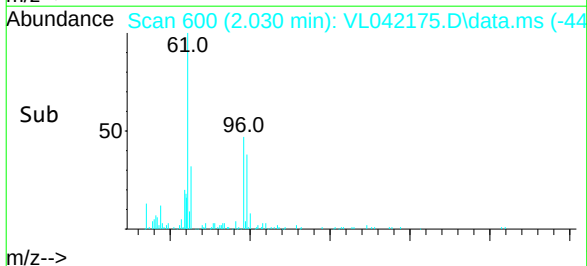
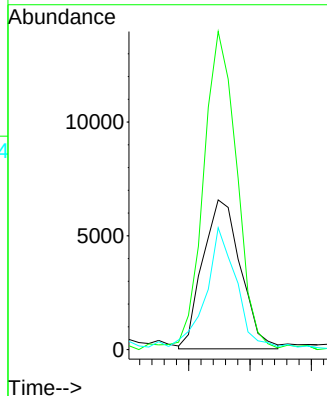
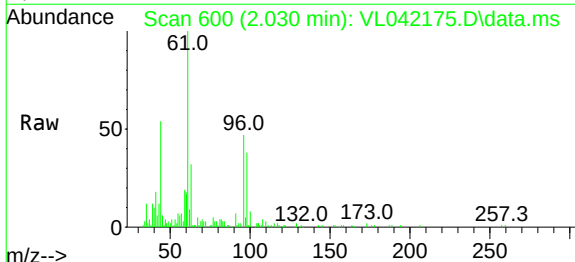
Manual Integrations
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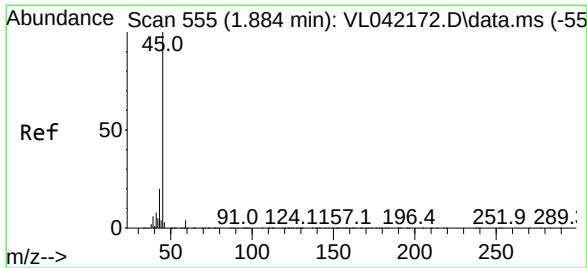
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 0.565 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 96 Resp: 5634
Ion Ratio Lower Upper
96 100
61 216.6 167.6 251.4
98 81.2 53.5 80.3#





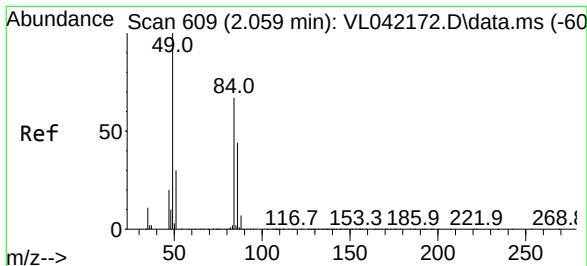
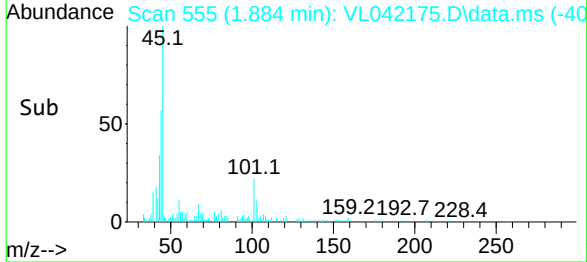
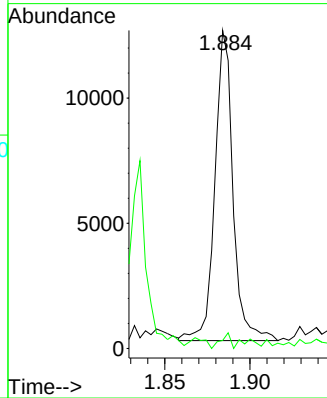
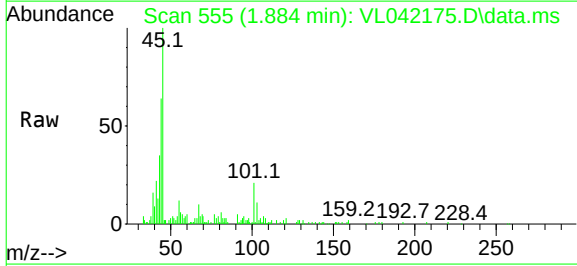
#19
Isopropyl Alcohol
Concen: 0.644 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 45 Resp: 9171
Ion Ratio Lower Upper
45 100
58 5.5 36.9 55.3#

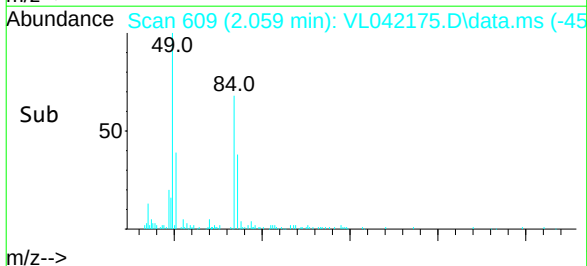
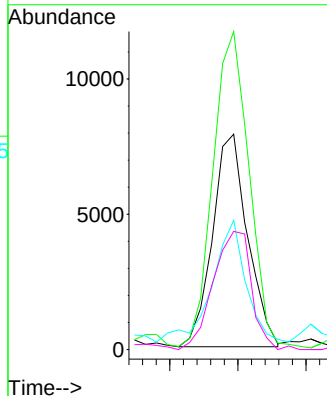
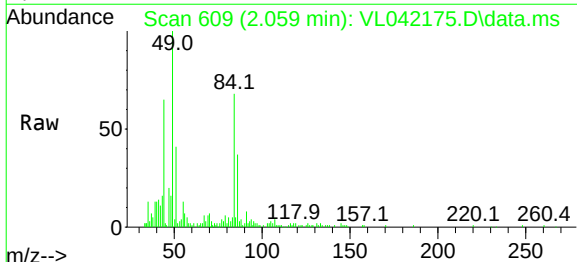
Manual Integrations
APPROVED

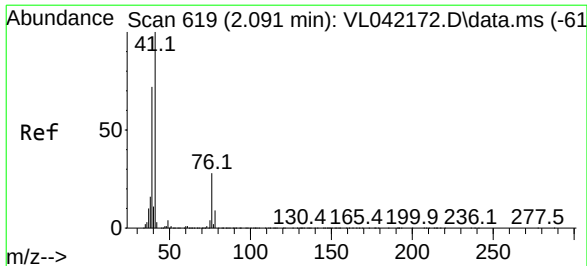
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 0.599 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

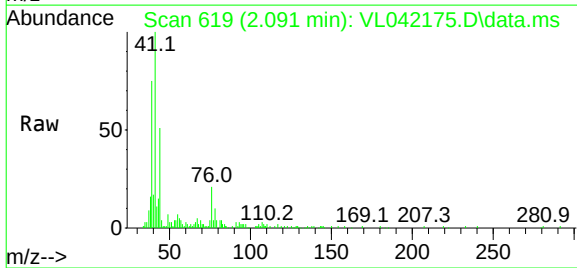
Tgt Ion: 84 Resp: 5634
Ion Ratio Lower Upper
84 100
49 148.1 120.2 180.4
51 56.1 37.4 56.0#
86 55.6 52.4 78.6





#21
 Allyl Chloride
 Concen: 0.541 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

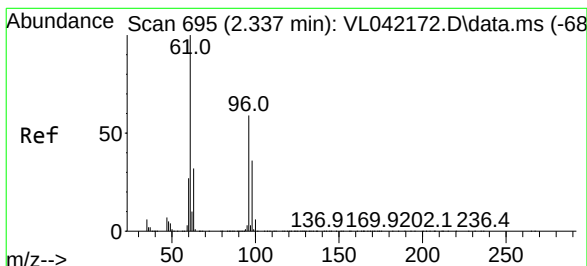
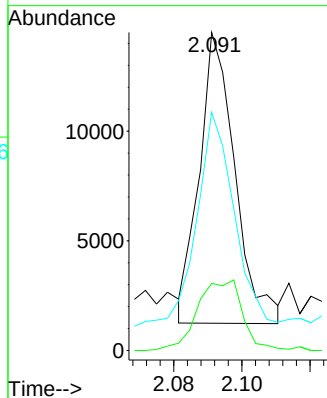
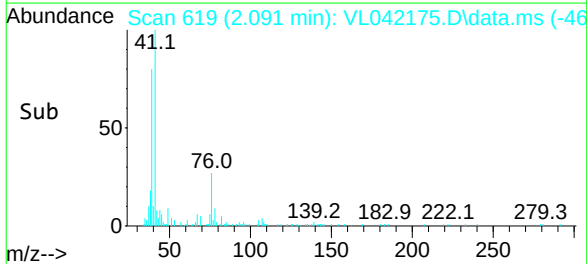
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



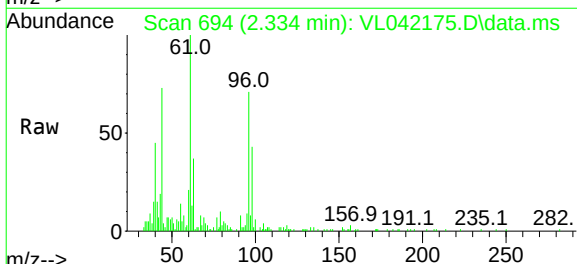
Tgt Ion:	41	Resp:	9632
Ion	Ratio	Lower	Upper
41	100		
76	30.9	24.1	36.1
39	88.9	61.1	91.7

Manual Integrations
 APPROVED

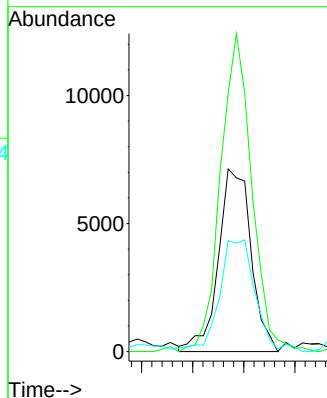
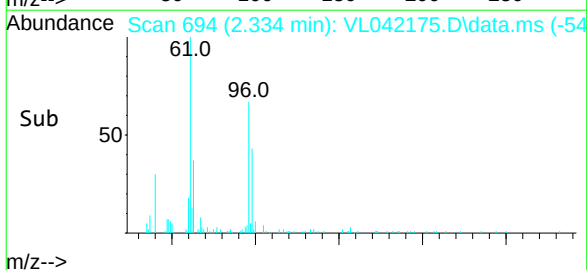
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

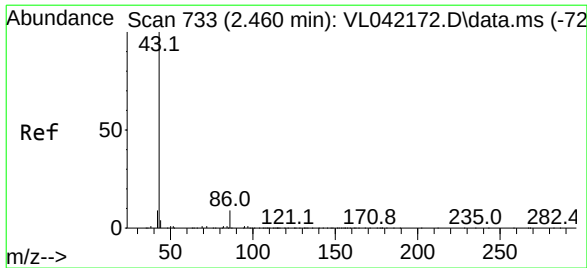


#22
 trans-1,2-Dichloroethene
 Concen: 0.546 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.003 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01



Tgt Ion:	96	Resp:	6353
Ion	Ratio	Lower	Upper
96	100		
61	141.3	136.6	204.8
98	59.4	49.4	74.2





#23

Vinyl Acetate

Concen: 0.649 ppbv

RT: 2.457 min Scan# 733

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

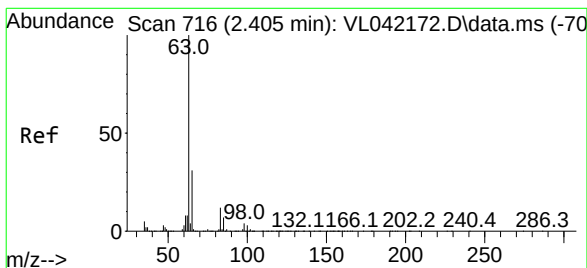
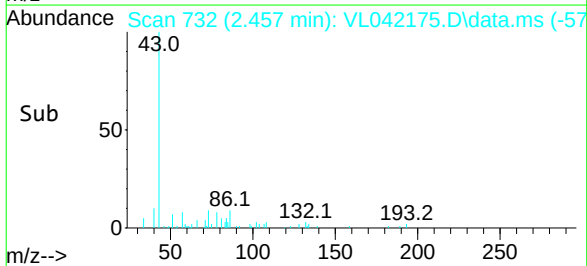
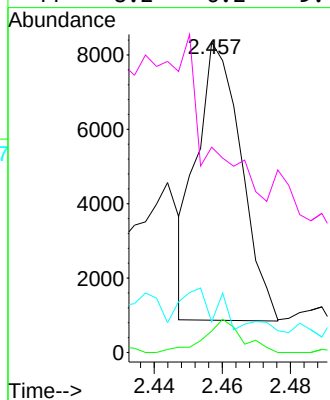
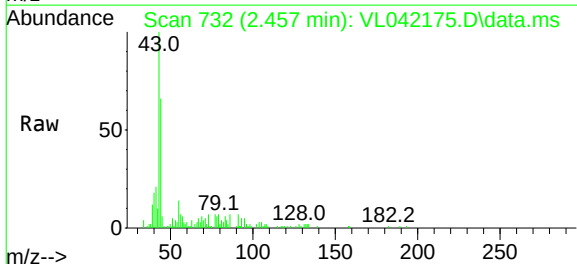
Tgt Ion: 43	Resp: 6809
Ion Ratio	Lower Upper
43 100	
86 7.7	5.5 8.3
42 3.2	8.6 13.0#
44 8.2	6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#24

1,1-Dichloroethane

Concen: 0.527 ppbv

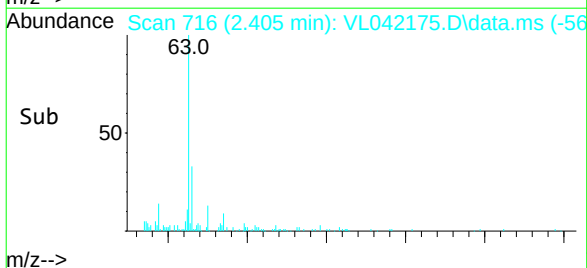
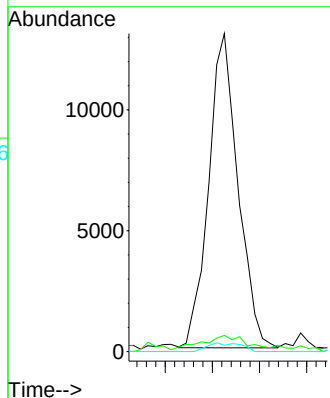
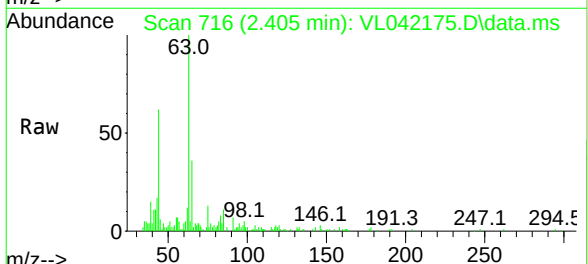
RT: 2.405 min Scan# 716

Delta R.T. -0.000 min

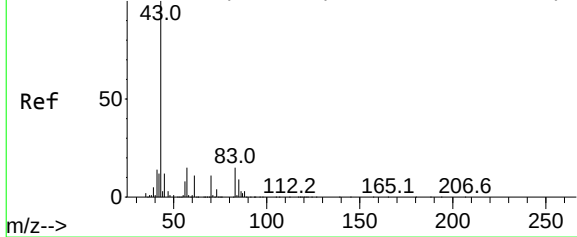
Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion: 63	Resp: 11258
Ion Ratio	Lower Upper
63 100	
98 3.7	2.3 6.8
100 2.0	1.6 4.7



Abundance Scan 848 (2.833 min): VL042172.D\data.ms (-83



#25

Ethyl Acetate

Concen: 0.553 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 36258

Ion Ratio Lower Upper

43 100

45 11.2 8.2 12.2

61 8.3 7.3 10.9

70 9.9 7.2 10.8

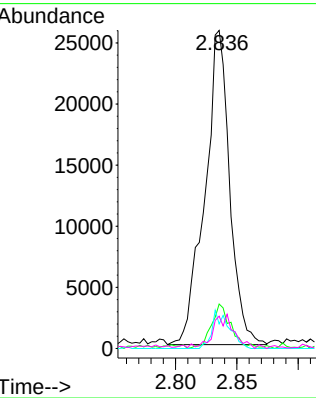
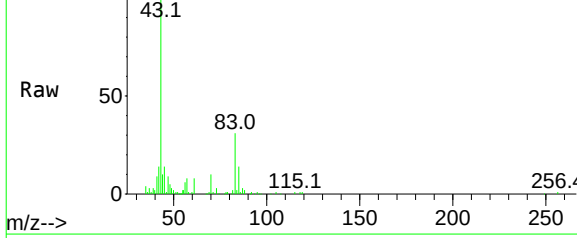
Manual Integrations

APPROVED

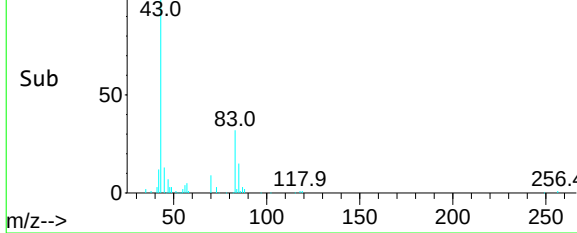
Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025

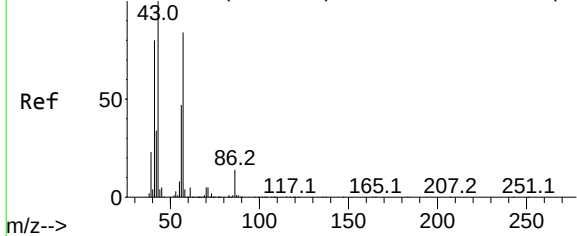
Abundance Scan 849 (2.836 min): VL042175.D\data.ms



Abundance Scan 849 (2.836 min): VL042175.D\data.ms (-69



Abundance Scan 845 (2.823 min): VL042172.D\data.ms (-83



#26

Hexane

Concen: 0.538 ppbv

RT: 2.823 min Scan# 845

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion: 57 Resp: 13605

Ion Ratio Lower Upper

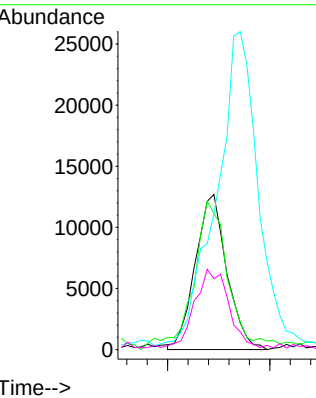
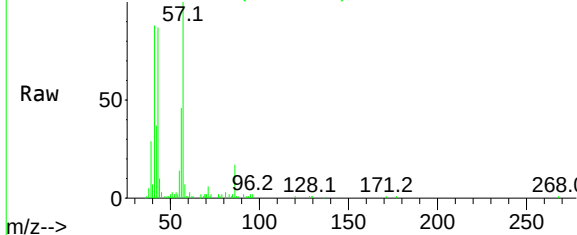
57 100

41 92.1 76.6 114.8

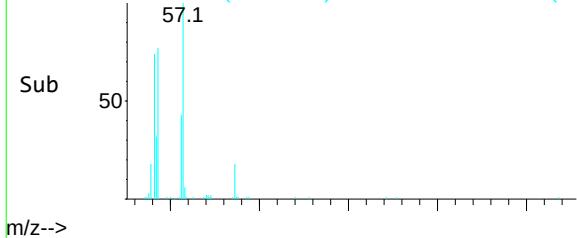
43 273.4 207.8 311.8

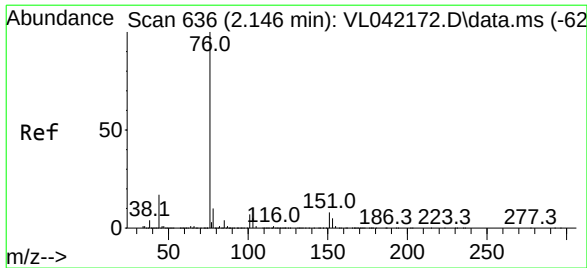
56 64.6 43.6 65.4

Abundance Scan 845 (2.823 min): VL042175.D\data.ms



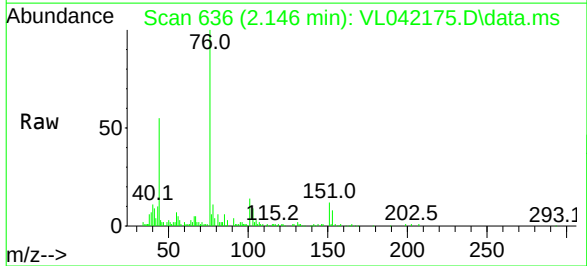
Abundance Scan 845 (2.823 min): VL042175.D\data.ms (-69





#27
Carbon Disulfide
Concen: 0.535 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

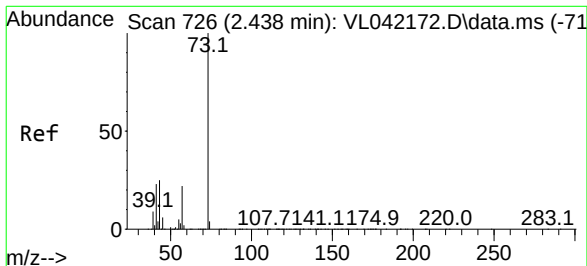
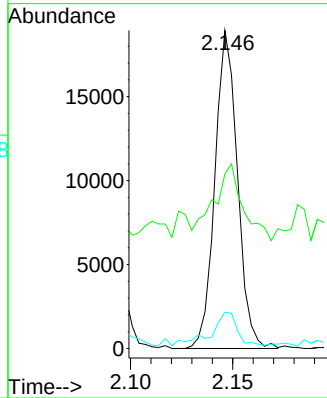
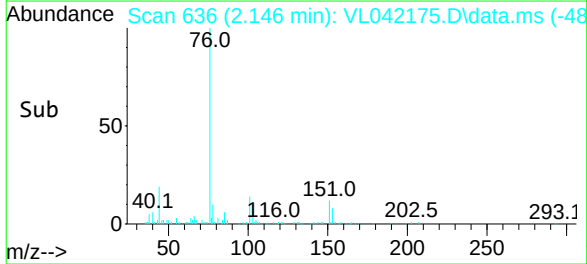
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



Tgt Ion: 76 Resp: 14510
Ion Ratio Lower Upper
76 100
44 115.5 14.7 22.1#
78 14.9 9.3 13.9#

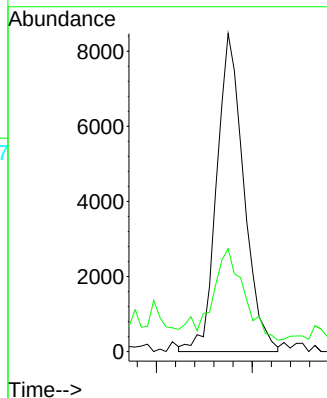
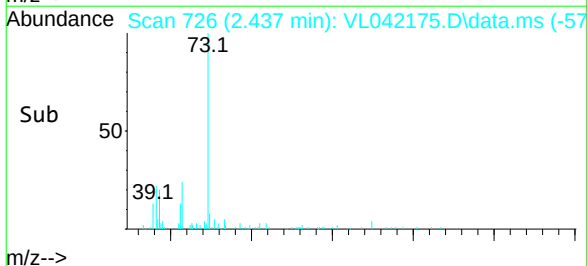
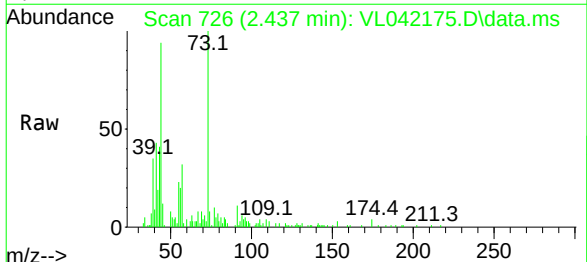
Manual Integrations
APPROVED

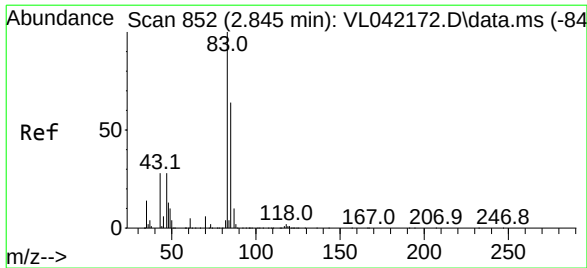
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 0.527 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 73 Resp: 8310
Ion Ratio Lower Upper
73 100
57 31.1 20.5 30.7#





#29

Chloroform

Concen: 0.544 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 20149

Ion Ratio Lower Upper

83 100

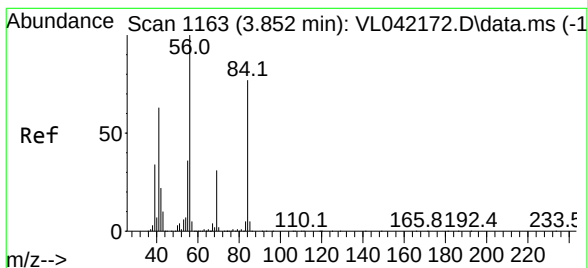
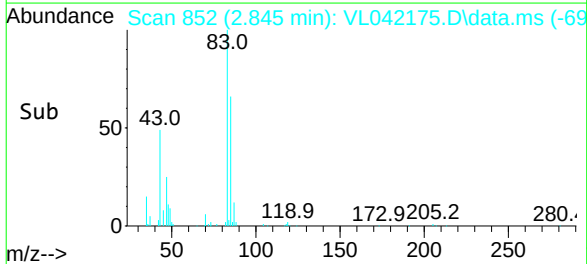
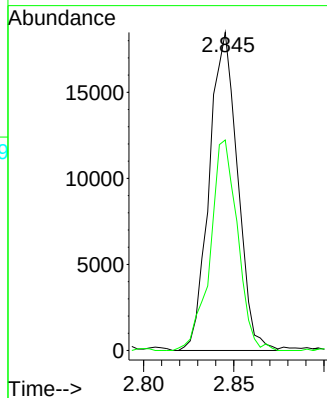
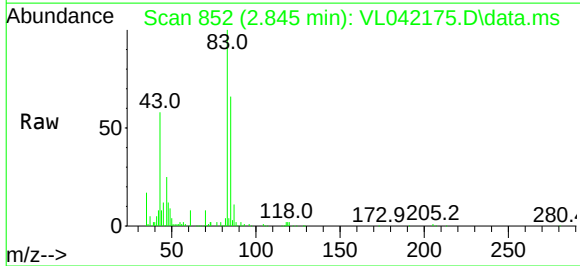
85 66.2 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 0.549 ppbv m

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

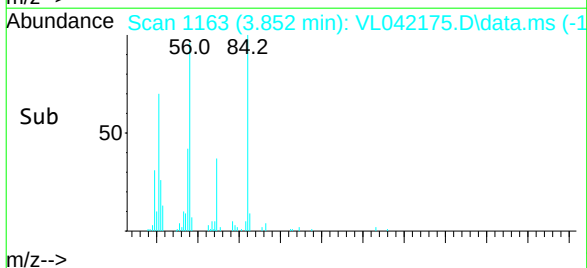
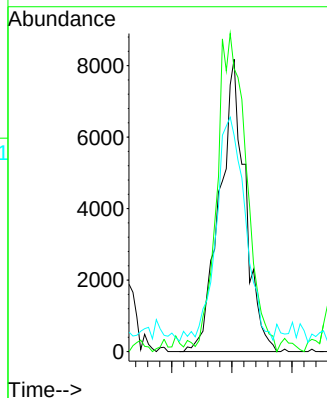
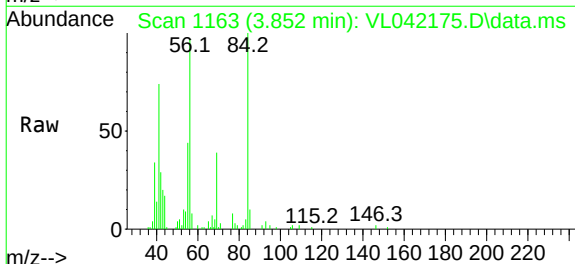
Tgt Ion: 84 Resp: 12063

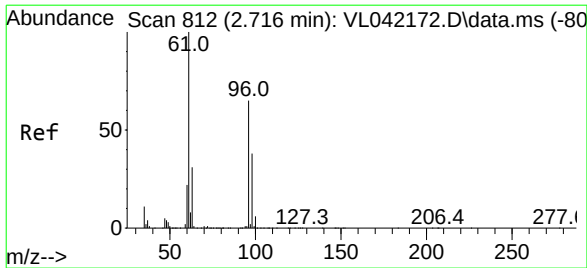
Ion Ratio Lower Upper

84 100

56 126.3 102.8 154.2

41 93.5 66.5 99.7





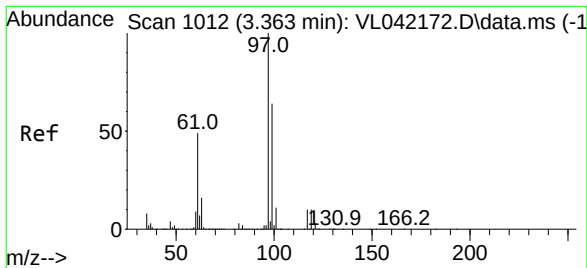
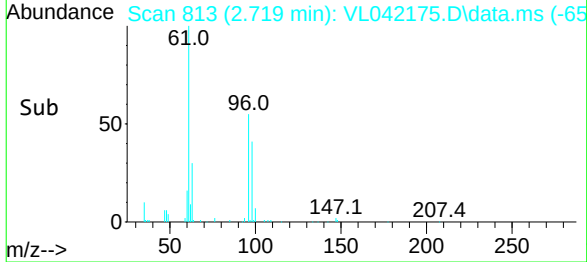
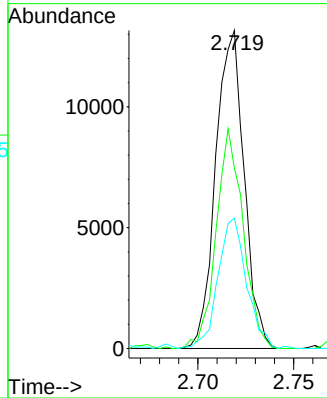
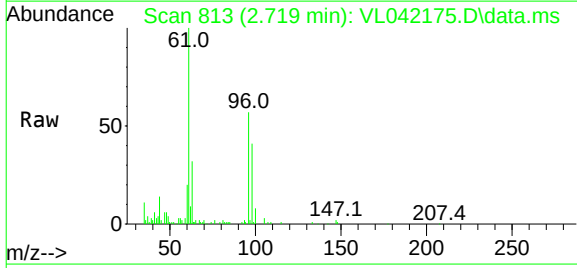
#31
cis-1,2-Dichloroethene
Concen: 0.529 ppbv
RT: 2.719 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
61	100		
96	56.8	51.8	77.8
98	41.0	30.6	46.0

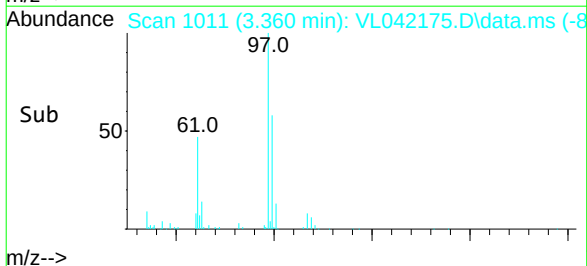
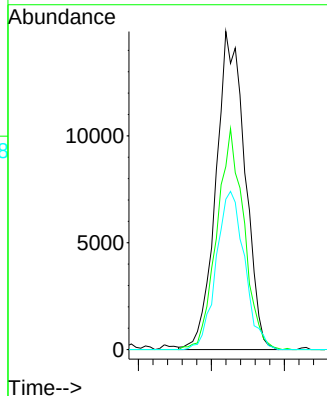
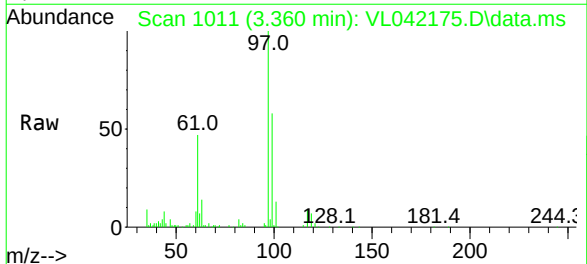
Manual Integrations
APPROVED

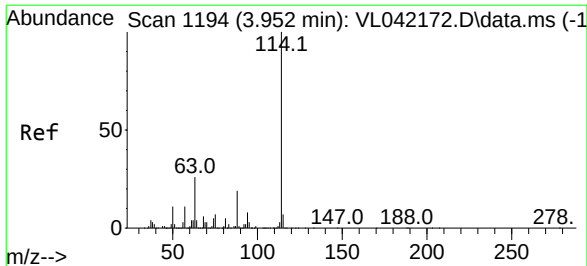
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#32
1,1,1-Trichloroethane
Concen: 0.485 ppbv
RT: 3.360 min Scan# 1011
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

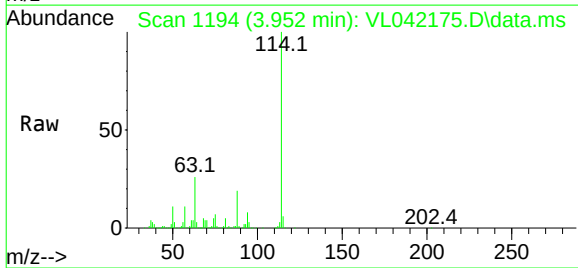
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.5	77.3
61	48.6	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

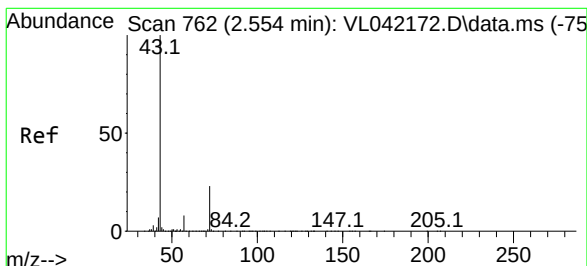
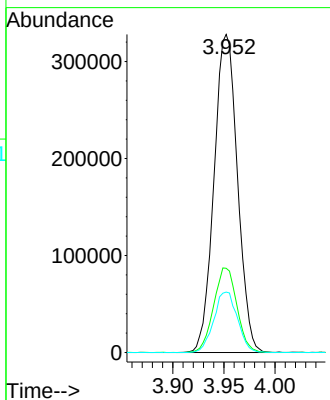
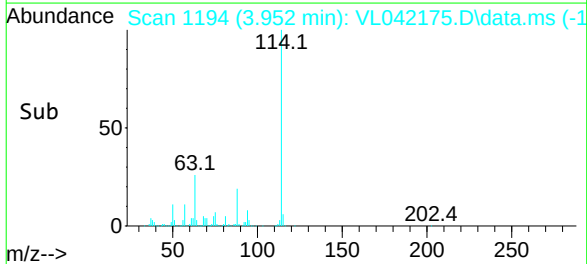
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 114 Resp: 523832
Ion Ratio Lower Upper
114 100
63 26.4 20.7 31.1
88 19.1 15.0 22.4

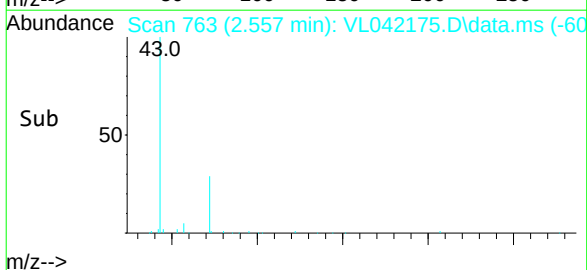
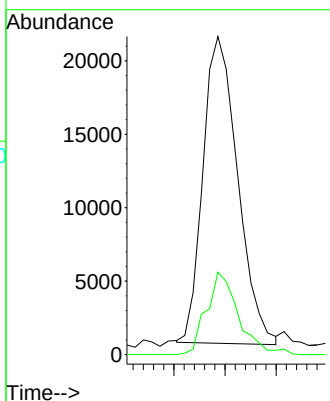
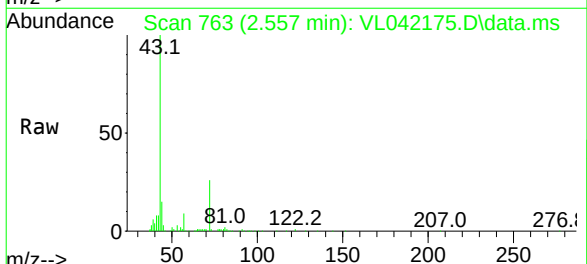
Manual Integrations
APPROVED

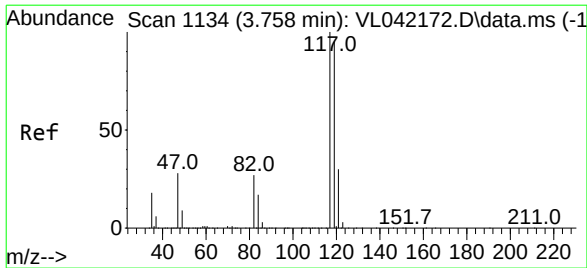
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#34
2-Butanone
Concen: 0.520 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

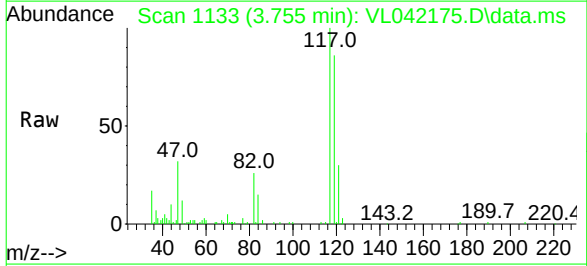
Tgt Ion: 43 Resp: 19739
Ion Ratio Lower Upper
43 100
72 24.8 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.460 ppbv
RT: 3.755 min Scan# 1113
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

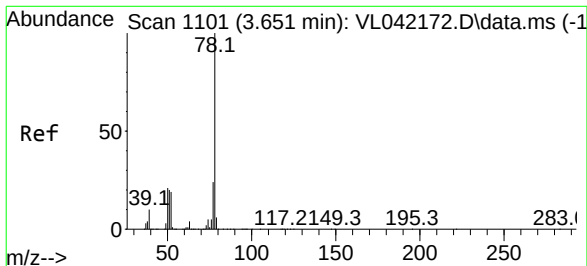
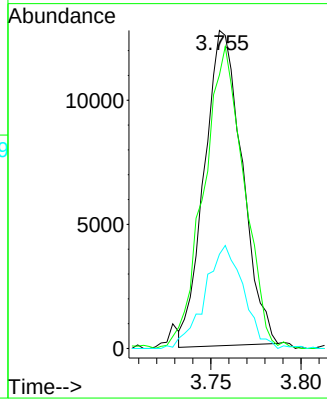
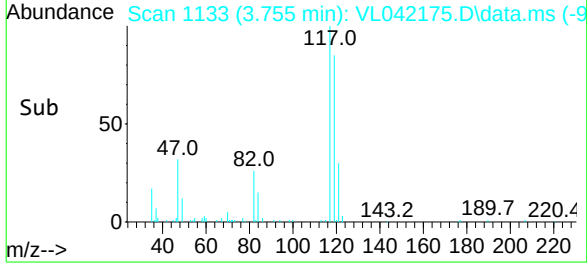
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.5



Tgt Ion: 117 Resp: 18558
Ion Ratio Lower Upper
117 100
119 86.4 76.2 114.2
121 30.1 24.2 36.4

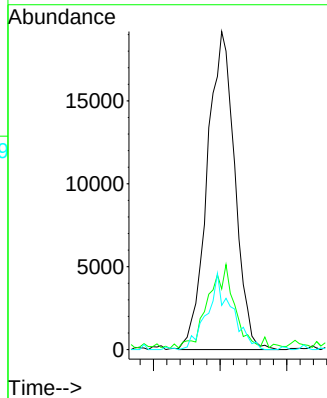
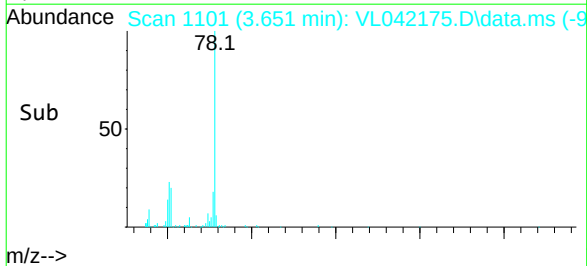
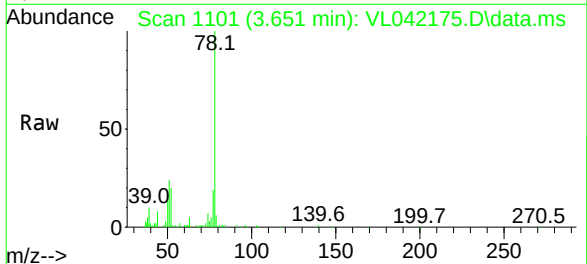
Manual Integrations
APPROVED

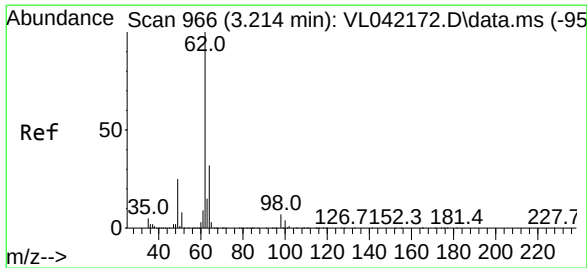
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#36
Benzene
Concen: 0.529 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

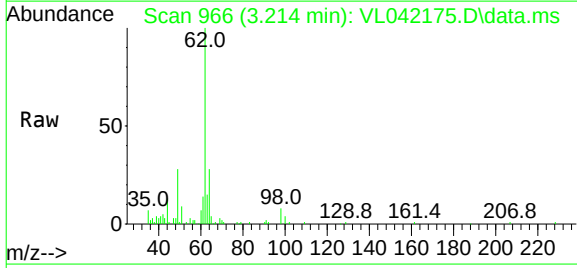
Tgt Ion: 78 Resp: 27488
Ion Ratio Lower Upper
78 100
77 18.5 19.1 28.7#
50 13.9 16.6 24.8#





#37
1,2-Dichloroethane
Concen: 0.540 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

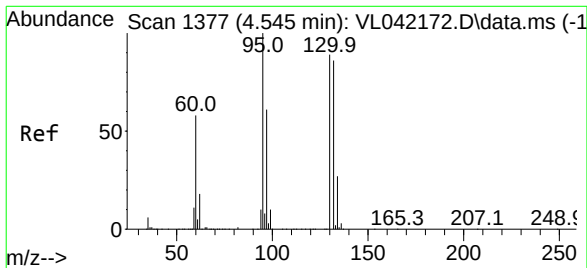
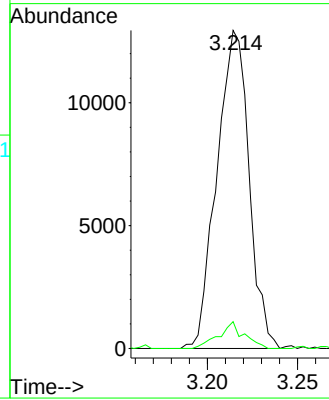
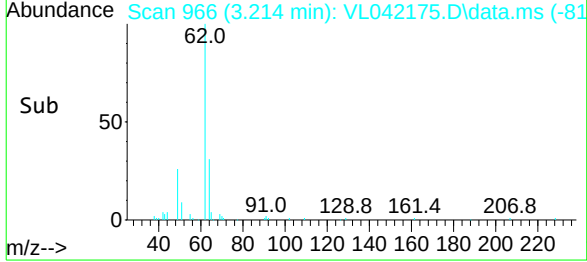
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



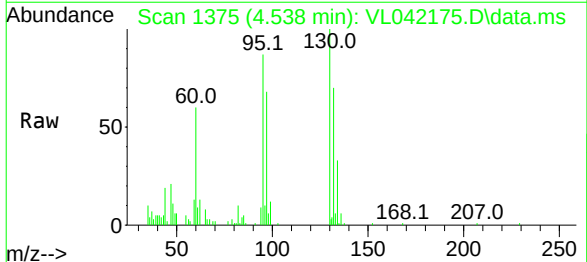
Tgt Ion: 62 Resp: 16062
Ion Ratio Lower Upper
62 100
98 7.0 5.4 8.2

Manual Integrations
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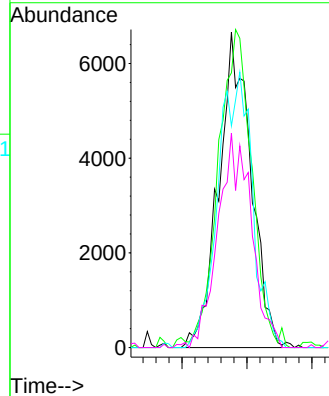
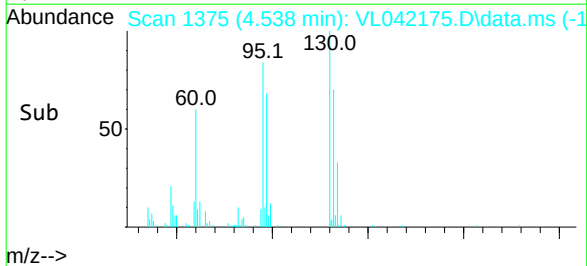
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

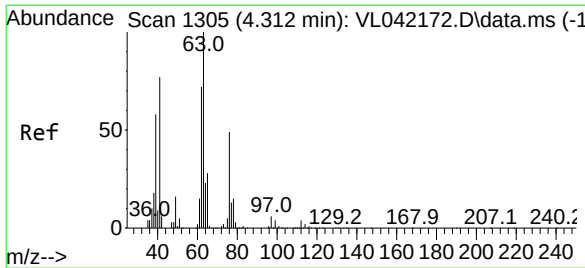


#38
Trichloroethene
Concen: 0.529 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



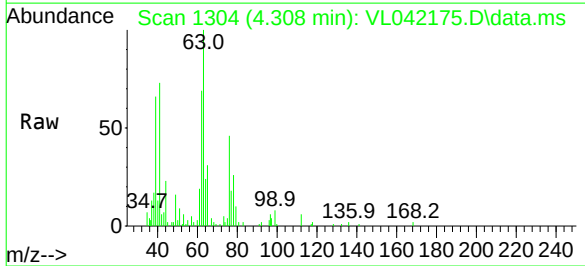
Tgt Ion:130 Resp: 11460
Ion Ratio Lower Upper
130 100
95 87.1 89.8 134.8#
132 70.3 77.4 116.2#
97 68.0 55.1 82.7





#39
1,2-Dichloropropane
Concen: 0.535 ppbv
RT: 4.308 min Scan# 1305
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

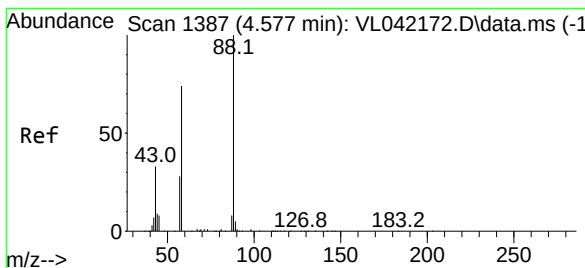
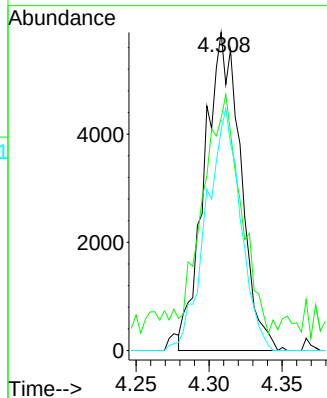
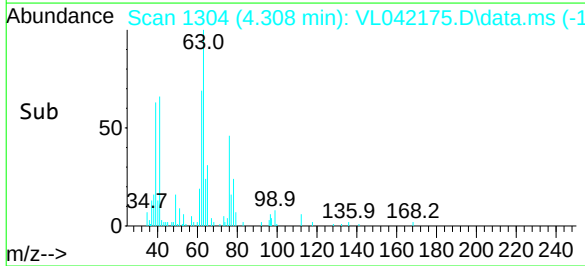
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



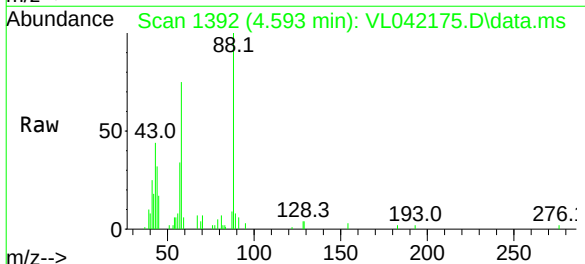
Tgt Ion: 63 Resp: 10123
Ion Ratio Lower Upper
63 100
41 66.4 61.7 92.5
62 69.3 57.6 86.4

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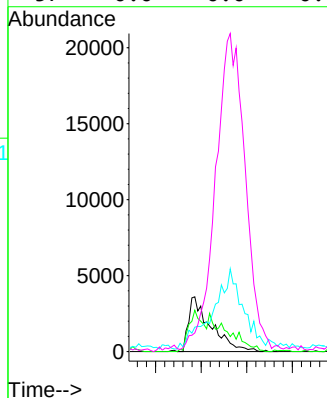
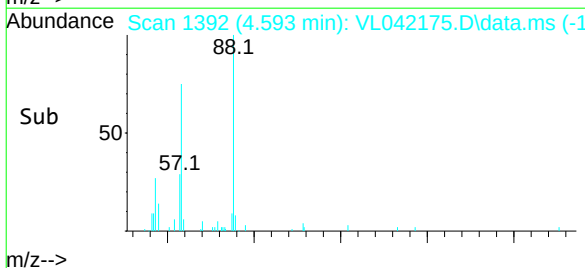
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

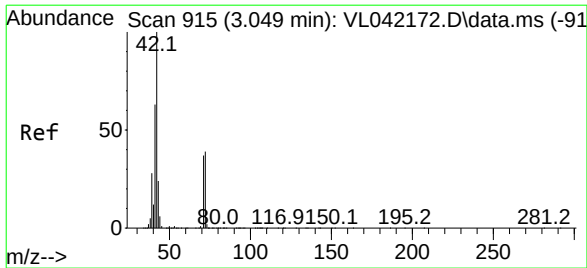


#40
1,4-Dioxane
Concen: 0.624 ppbv m
RT: 4.593 min Scan# 1392
Delta R.T. 0.016 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



Tgt Ion: 88 Resp: 6121
Ion Ratio Lower Upper
88 100
58 111.2 62.7 94.1#
43 0.0 23.0 34.4#
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.533 ppbv m

RT: 3.059 min Scan# 91

Delta R.T. 0.010 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 42 Resp: 11509

Ion Ratio Lower Upper

42 100

72 38.4 31.4 47.0

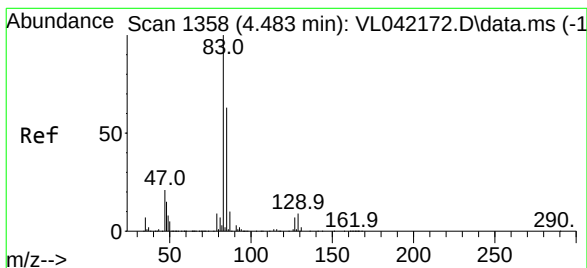
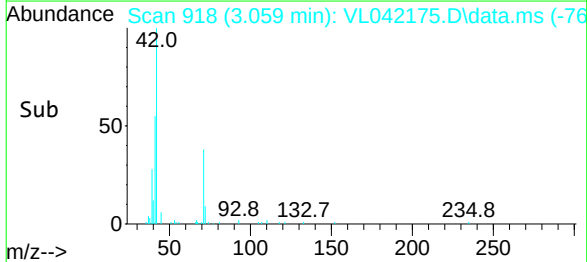
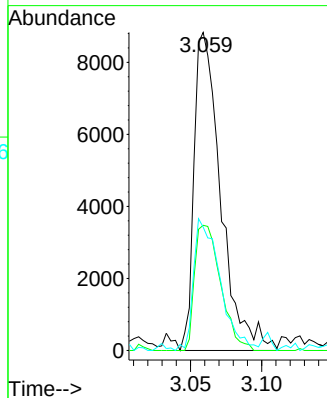
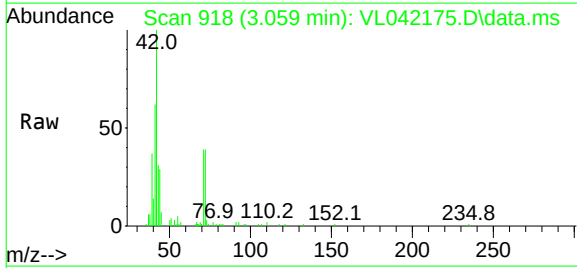
71 40.7 30.2 45.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#42

Bromodichloromethane

Concen: 0.497 ppbv

RT: 4.483 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

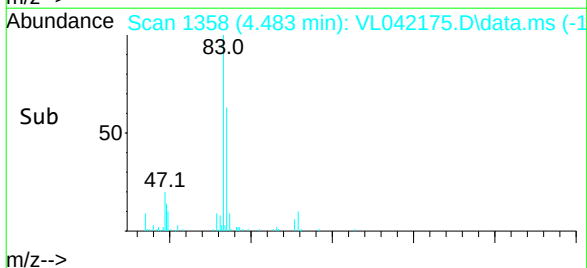
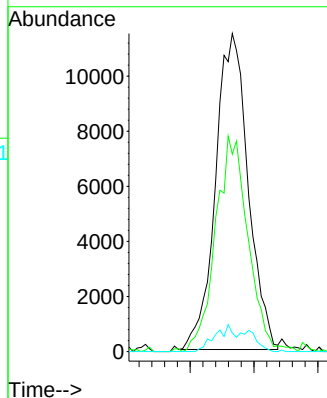
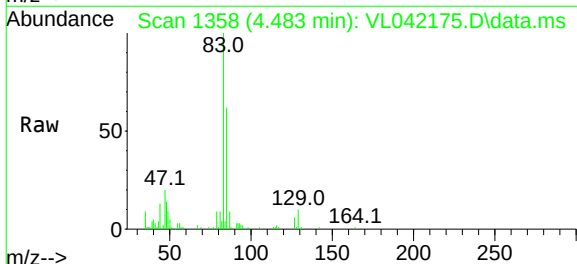
Tgt Ion: 83 Resp: 20374

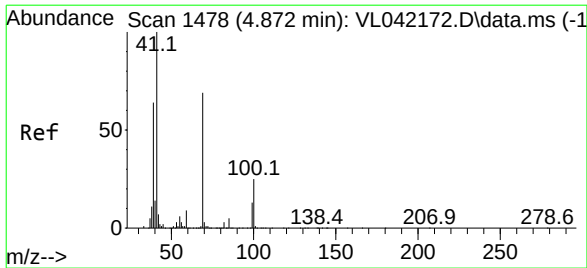
Ion Ratio Lower Upper

83 100

85 61.6 50.5 75.7

127 5.9 5.9 8.9#





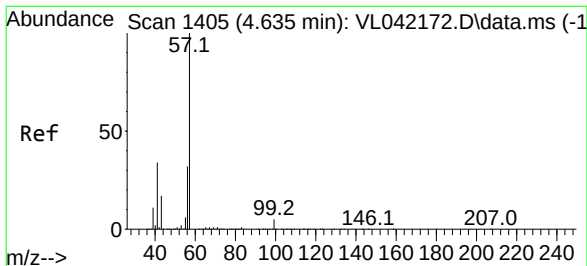
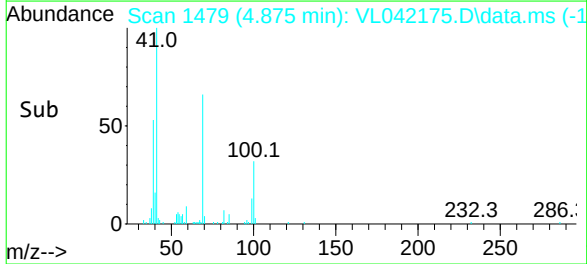
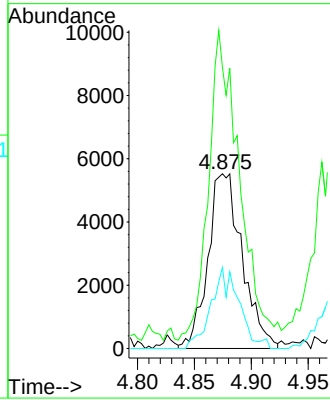
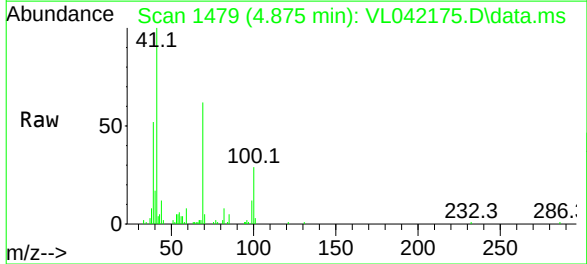
#43
Methyl Methacrylate
Concen: 0.528 ppbv m
RT: 4.875 min Scan# 1478
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
69	100		
41	150.3	123.8	185.6
100	37.9	28.4	42.6

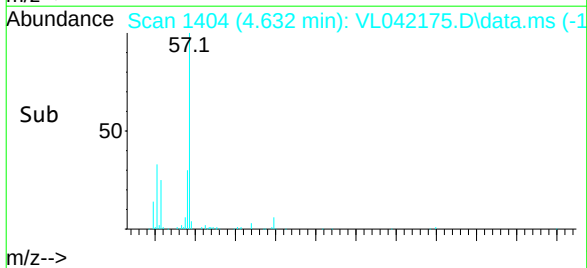
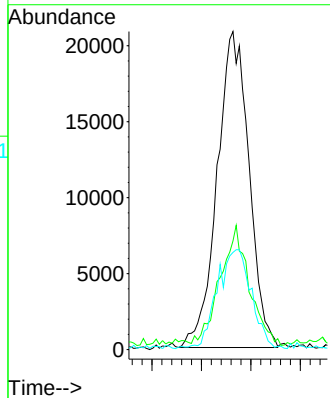
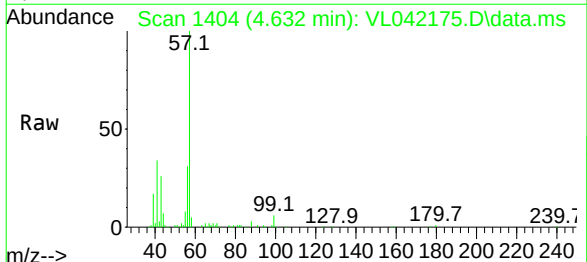
Manual Integrations
APPROVED

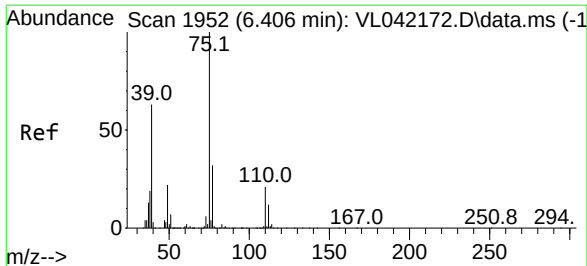
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 0.532 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.7	26.8	40.2
56	34.3	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 0.526 ppbv

RT: 6.406 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VL042175.D

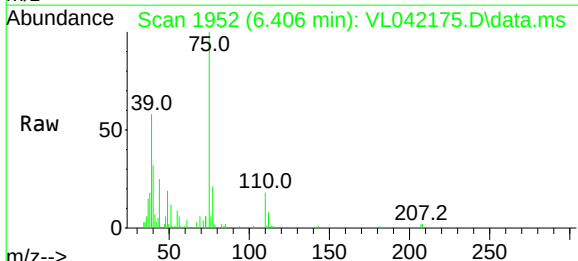
Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion: 75 Resp: 12404

Ion Ratio Lower Upper

75 100

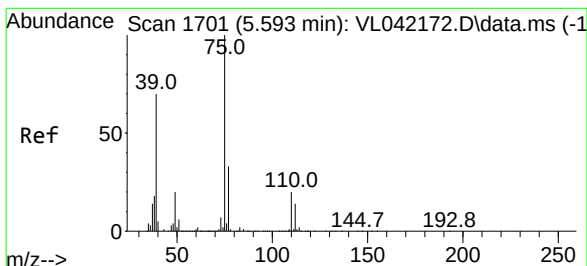
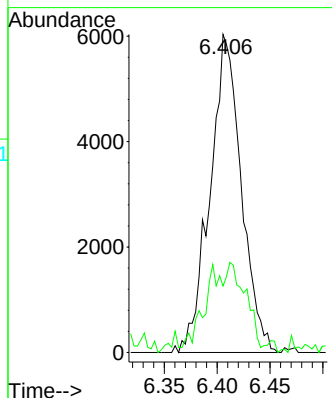
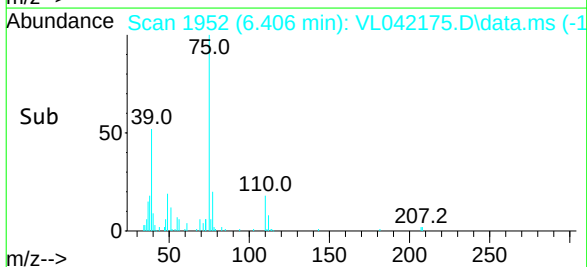
77 20.9 26.0 39.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 0.497 ppbv m

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

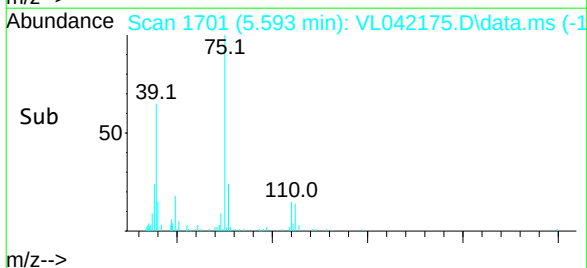
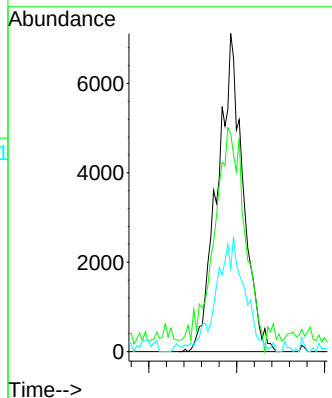
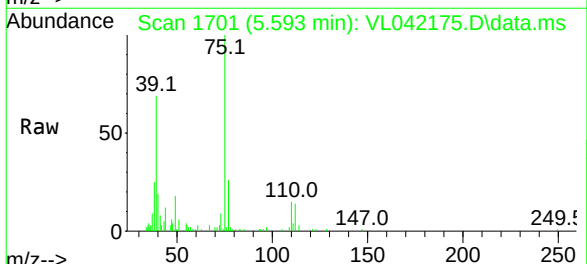
Tgt Ion: 75 Resp: 14374

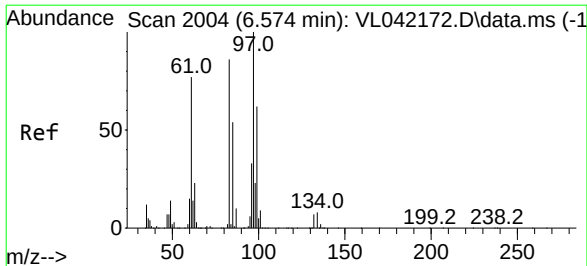
Ion Ratio Lower Upper

75 100

39 68.5 55.8 83.6

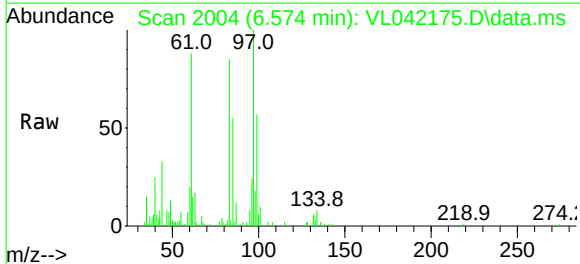
77 26.1 26.0 39.0





#47
1,1,2-Trichloroethane
Concen: 0.549 ppbv m
RT: 6.574 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

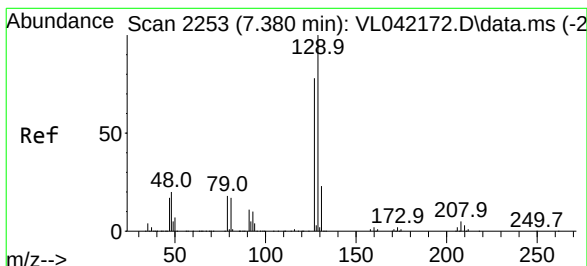
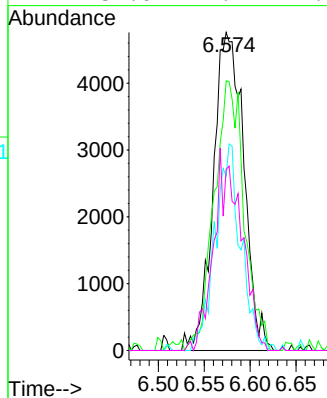
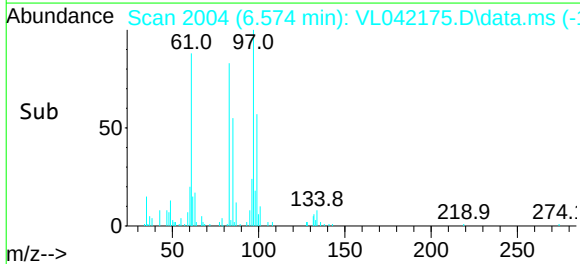
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.8	69.2	103.8
85	54.9	43.1	64.7
99	57.0	49.4	74.2

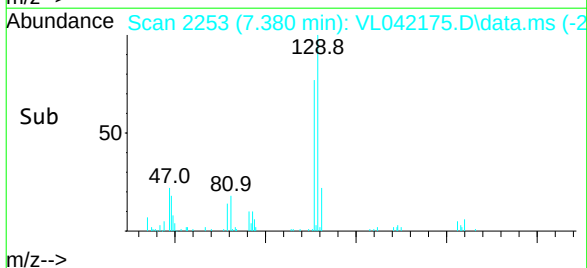
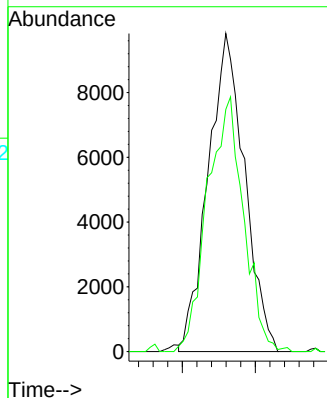
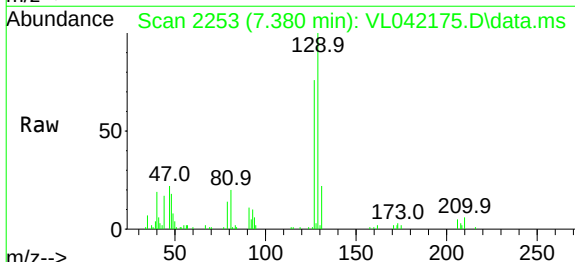
Manual Integrations
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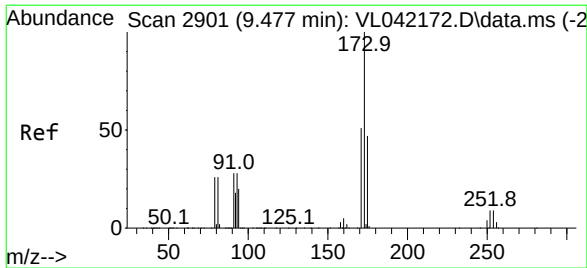
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#48
Dibromochloromethane
Concen: 0.503 ppbv
RT: 7.380 min Scan# 2253
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.1	117.2





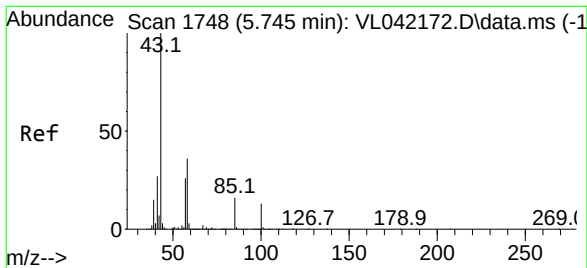
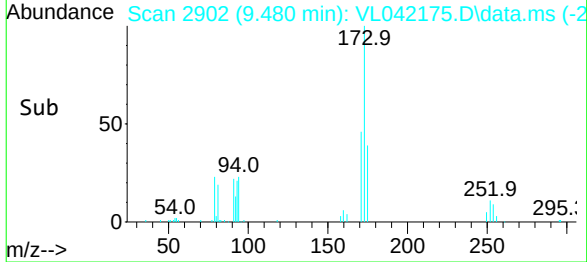
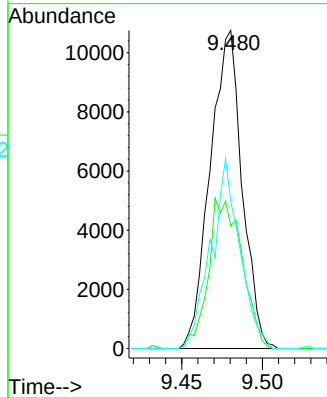
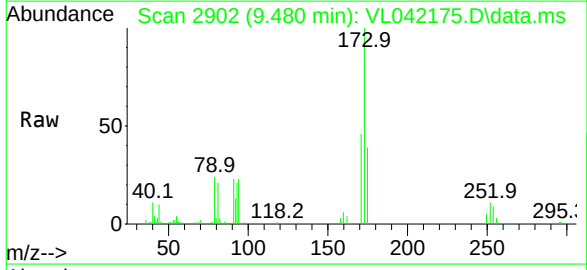
#49
Bromoform
Concen: 0.487 ppbv
RT: 9.480 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 173 Resp: 14828
Ion Ratio Lower Upper
173 100
175 49.7 38.6 57.8
171 53.8 41.8 62.6

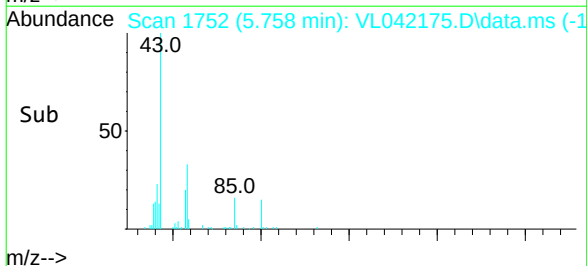
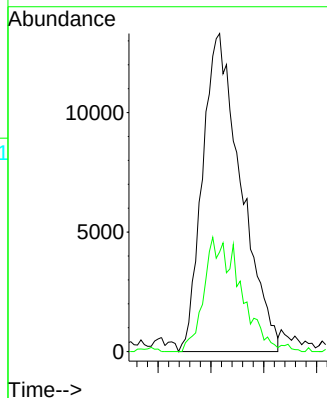
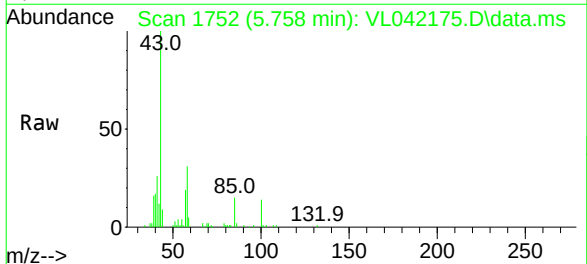
Manual Integrations
APPROVED

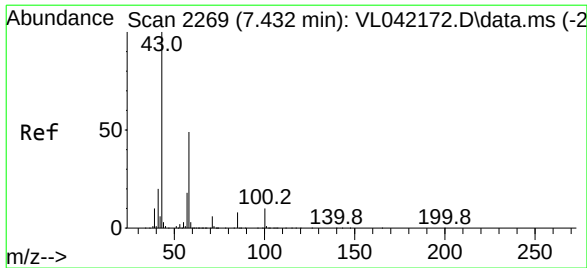
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 0.559 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.013 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

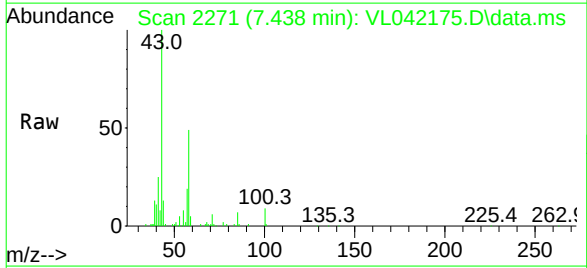
Tgt Ion: 43 Resp: 33674
Ion Ratio Lower Upper
43 100
58 34.4 29.0 43.6





#51
2-Hexanone
Concen: 0.523 ppbv
RT: 7.438 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

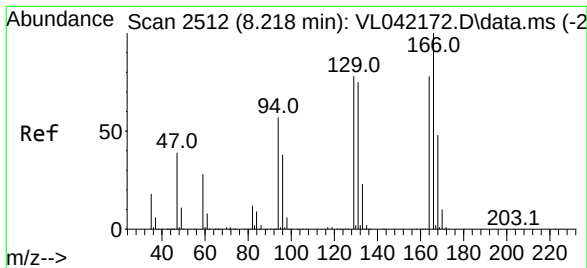
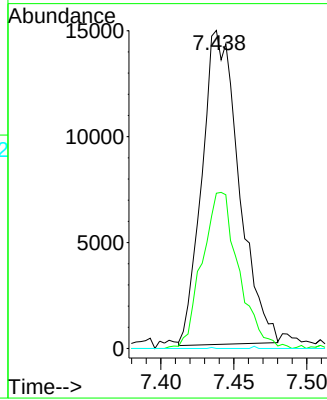
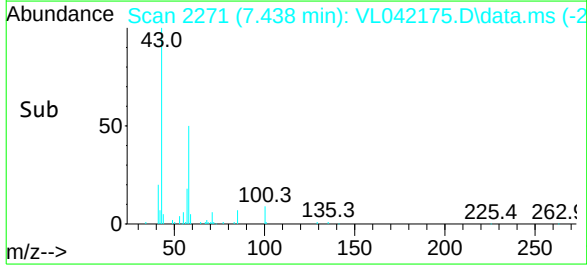
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



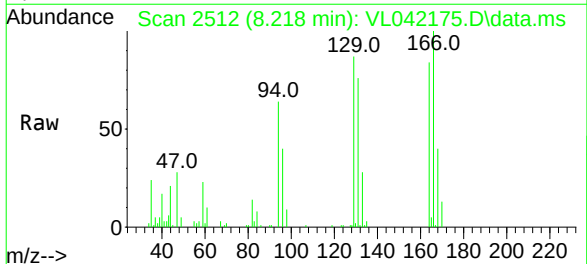
Tgt Ion: 43 Resp: 26154
Ion Ratio Lower Upper
43 100
58 49.8 39.7 59.5
98 0.0 0.1 0.1#

Manual Integrations
APPROVED

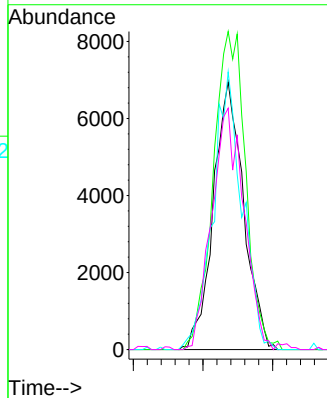
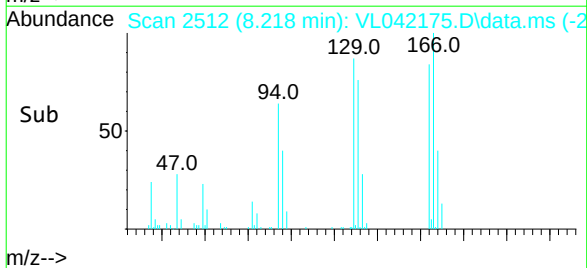
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

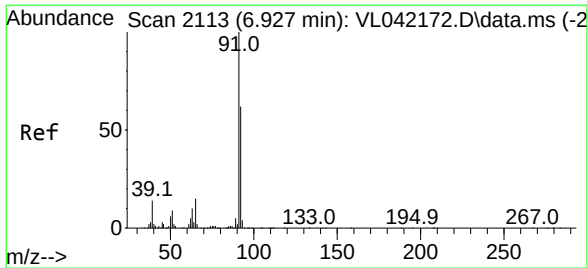


#52
Tetrachloroethene
Concen: 0.510 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



Tgt Ion:164 Resp: 10502
Ion Ratio Lower Upper
164 100
166 118.9 102.5 153.7
129 103.8 79.8 119.8
131 90.2 76.6 114.8





#53

Toluene

Concen: 0.527 ppbv

RT: 6.923 min Scan# 2113

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 32444

Ion Ratio Lower Upper

91 100

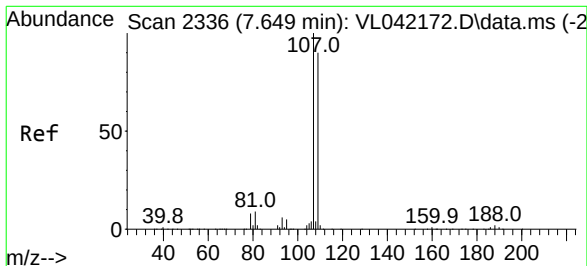
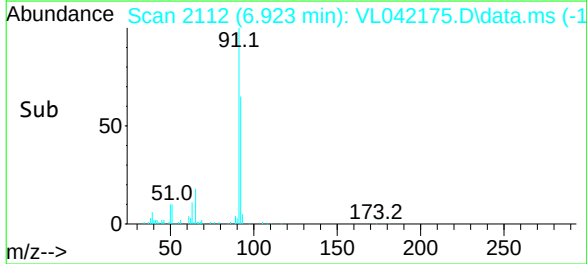
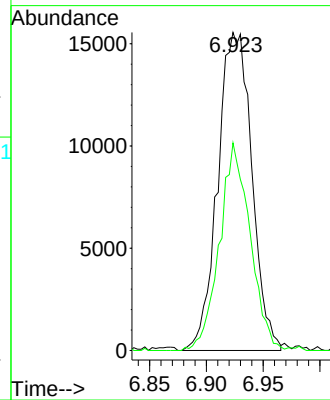
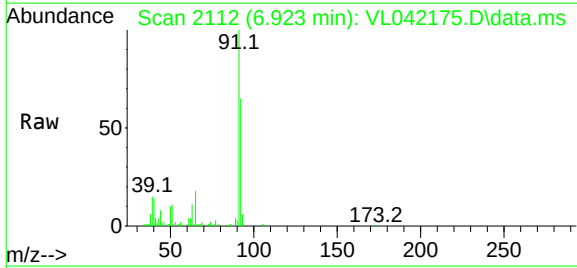
92 58.9 48.4 72.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 0.510 ppbv

RT: 7.648 min Scan# 2336

Delta R.T. -0.000 min

Lab File: VL042175.D

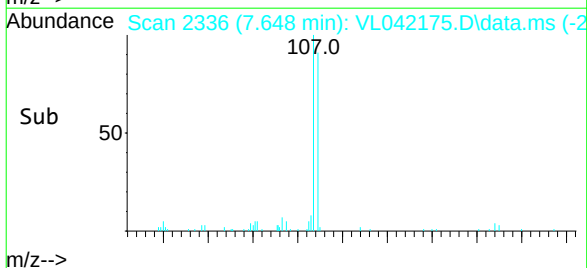
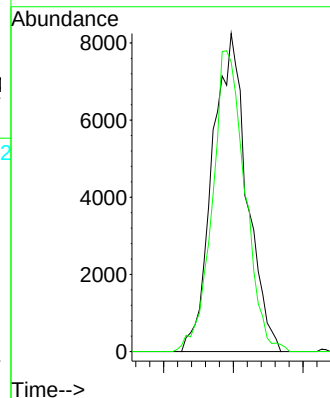
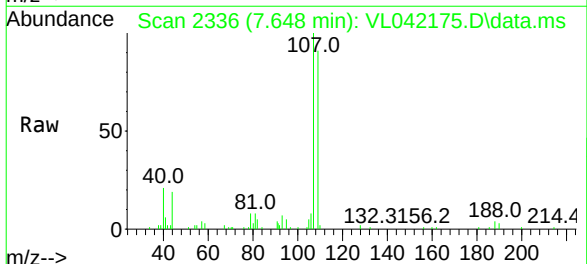
Acq: 27 Mar 2025 10:01

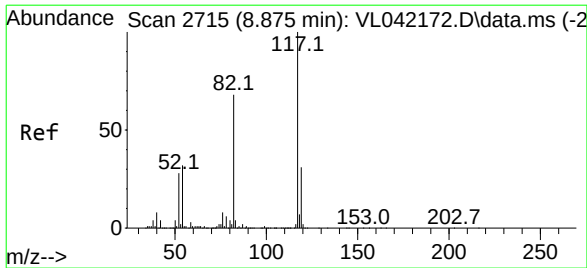
Tgt Ion:107 Resp: 14220

Ion Ratio Lower Upper

107 100

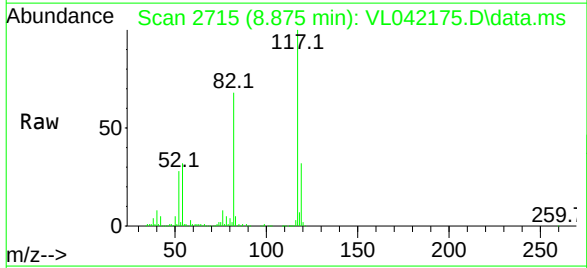
109 89.1 72.2 108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

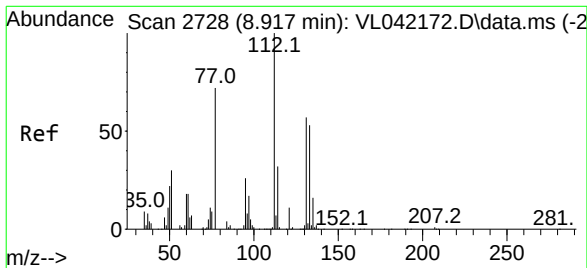
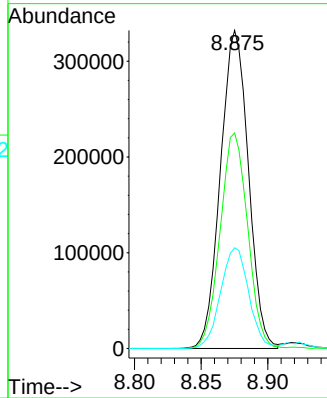
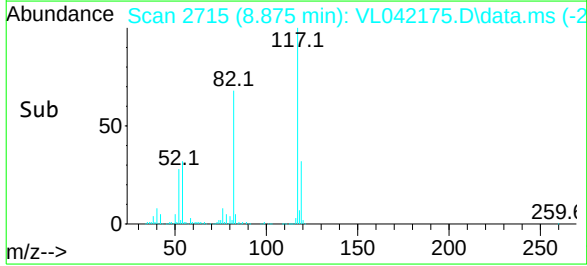
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 485078
Ion Ratio Lower Upper
117 100
82 67.0 55.8 83.6
119 33.7 25.5 38.3

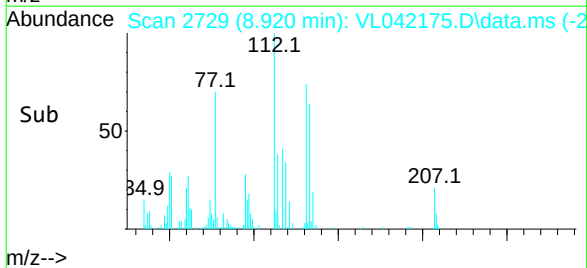
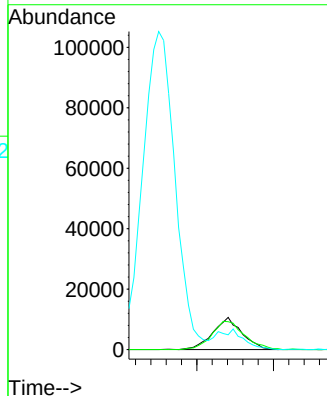
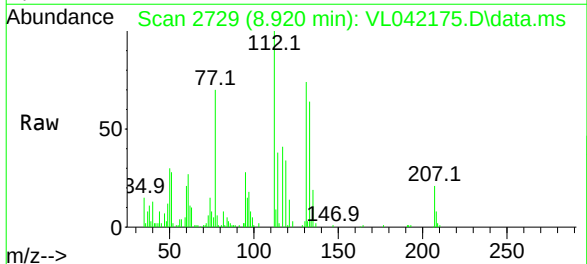
Manual Integrations
APPROVED

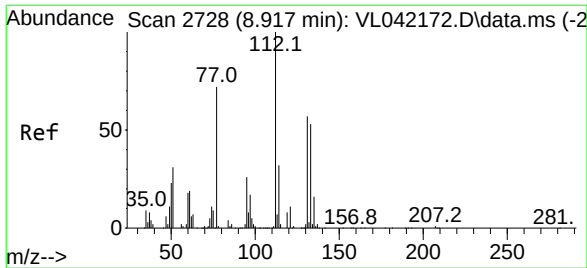
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.523 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

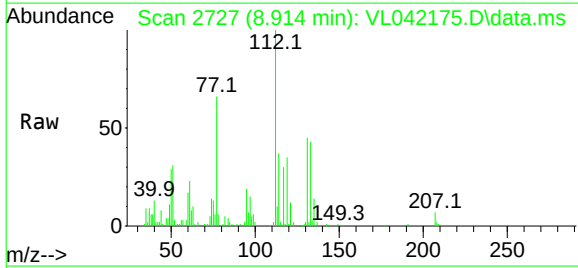
Tgt Ion:131 Resp: 13959
Ion Ratio Lower Upper
131 100
133 99.6 76.6 114.8
119 1170.3 49.8 74.6#





#57
Chlorobenzene
Concen: 0.540 ppbv
RT: 8.914 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

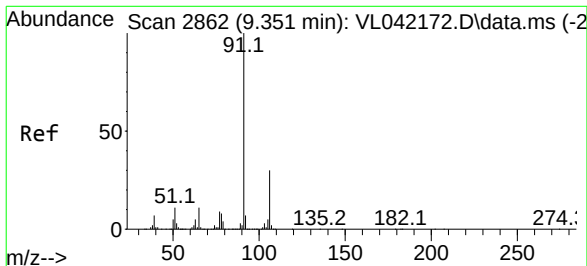
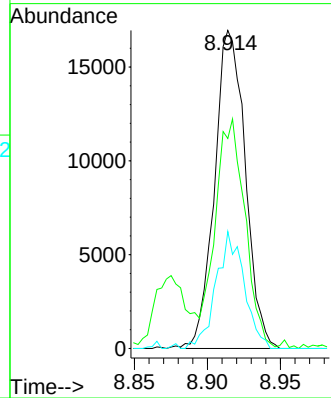
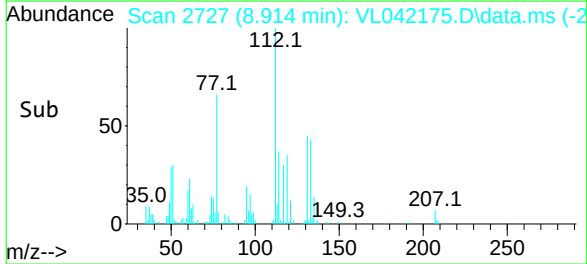
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 112 Resp: 24826
Ion Ratio Lower Upper
112 100
77 65.1 58.2 87.2
114 36.8 29.1 35.5#

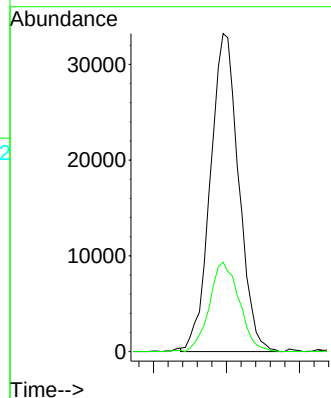
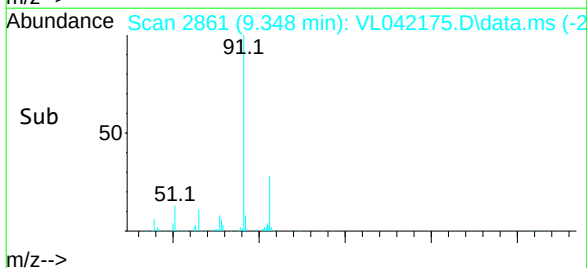
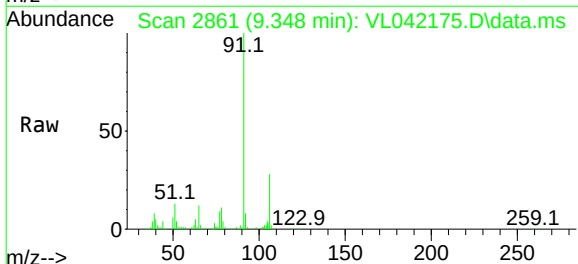
Manual Integrations
APPROVED

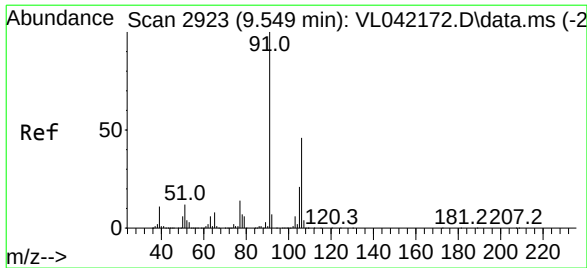
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 0.521 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 44862
Ion Ratio Lower Upper
91 100
106 28.1 24.2 36.2





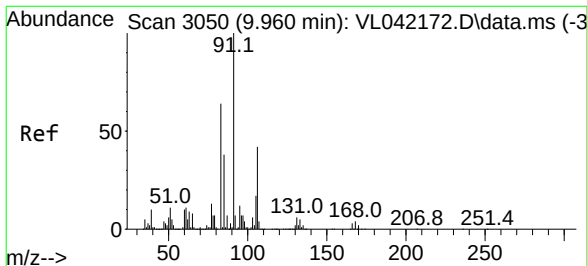
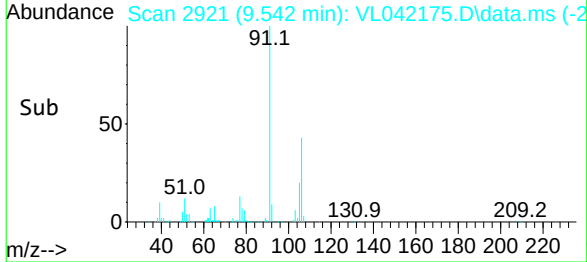
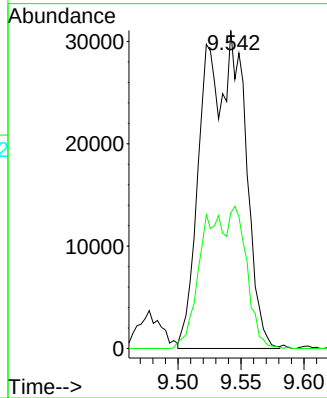
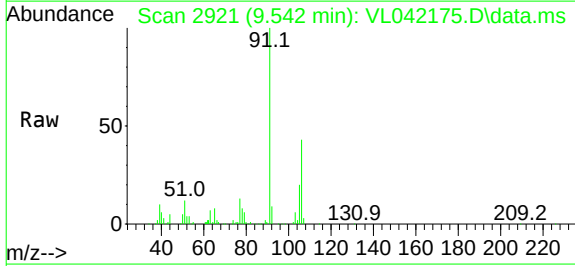
#59
m/p-Xylene
Concen: 1.060 ppbv m
RT: 9.542 min Scan# 29
Delta R.T. -0.007 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 73028
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6

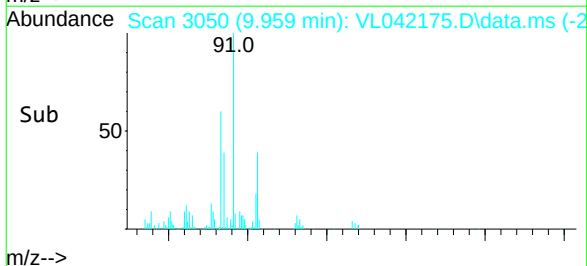
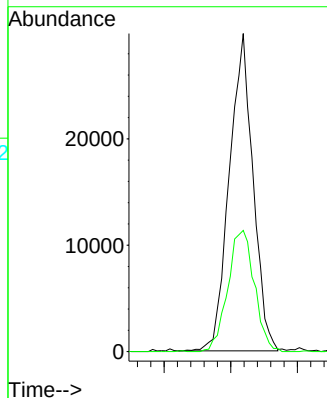
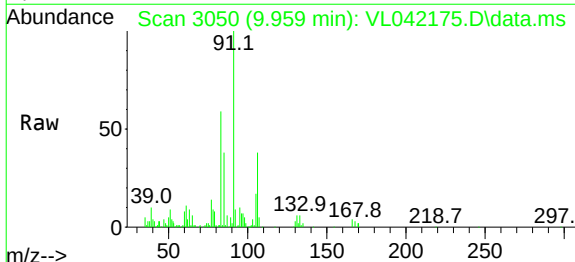
Manual Integrations
APPROVED

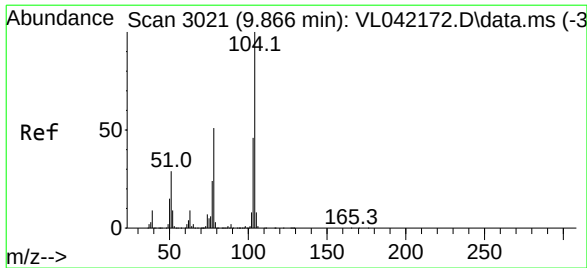
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 0.535 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion: 91 Resp: 36879
Ion Ratio Lower Upper
91 100
106 42.7 20.8 62.5





#61

Styrene

Concen: 0.504 ppbv

RT: 9.866 min Scan# 3021

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

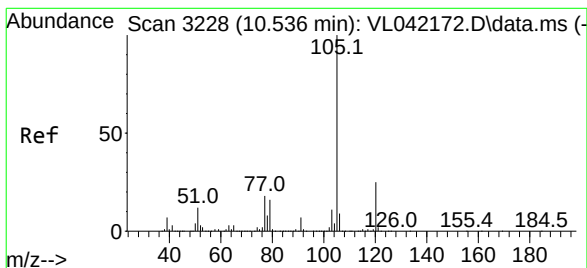
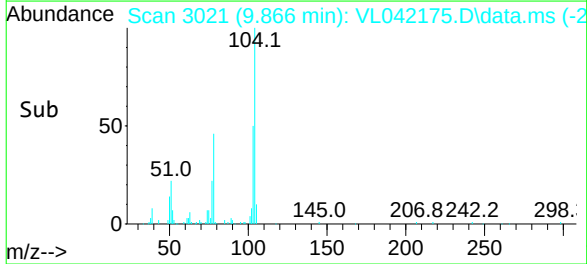
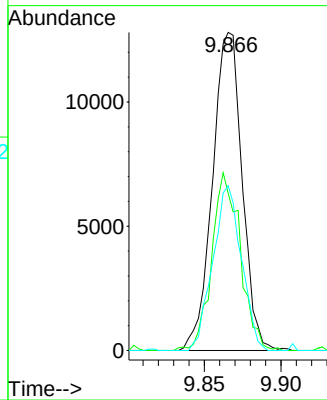
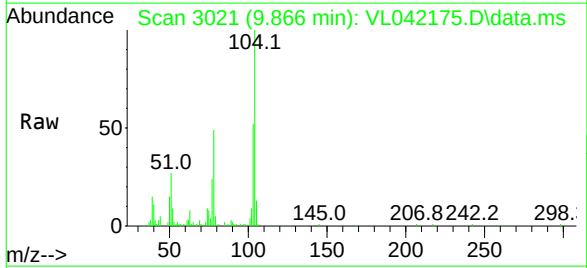
VSTDICC0.5

Tgt Ion:	104	Resp:	17198
Ion Ratio	Lower	Upper	
104	100		
78	53.7	41.8	62.6
103	50.2	37.0	55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62

Isopropylbenzene

Concen: 0.538 ppbv

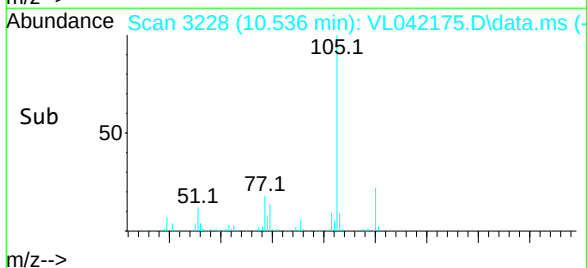
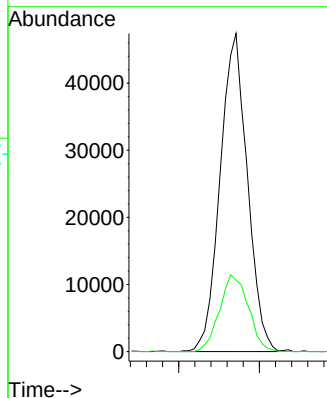
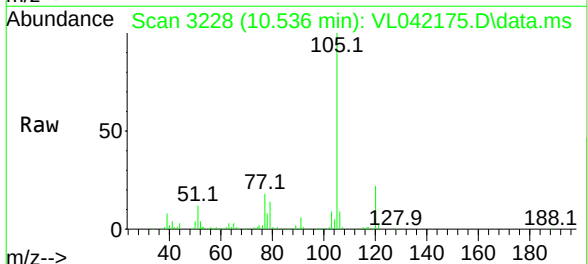
RT: 10.536 min Scan# 3228

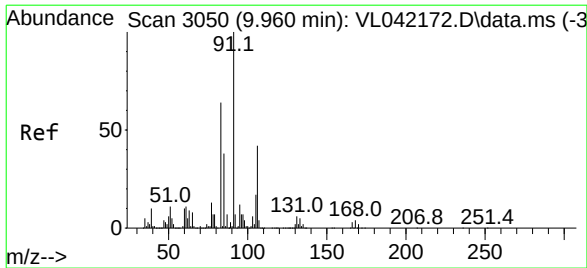
Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion:	105	Resp:	55531
Ion Ratio	Lower	Upper	
105	100		
120	25.5	19.9	29.9





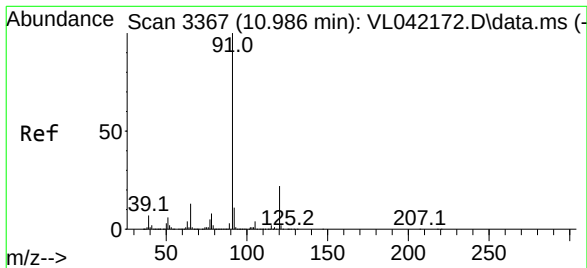
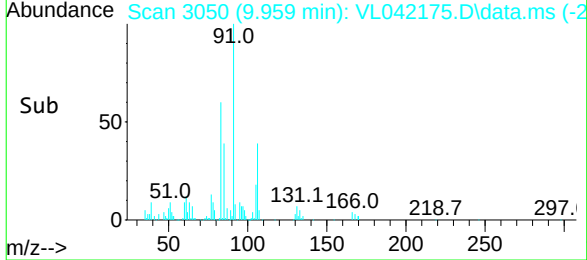
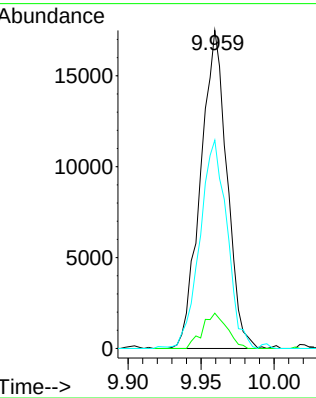
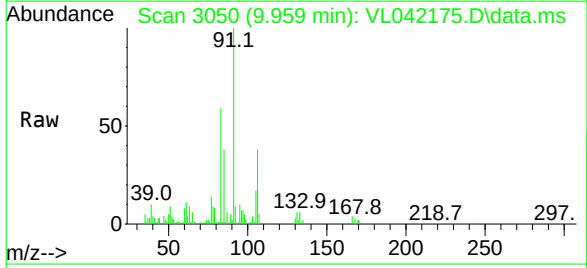
#63
1,1,2,2-Tetrachloroethane
Concen: 0.525 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument : MSVOA_1
ClientSampleId : VSTDIC0.5

Tgt Ion:	83	Resp:	21989
Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.8	14.4
85	68.1	32.5	97.5

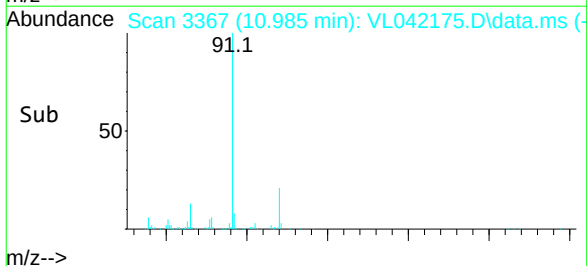
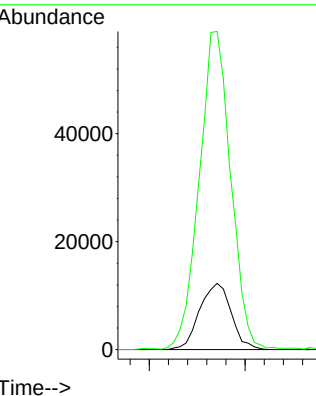
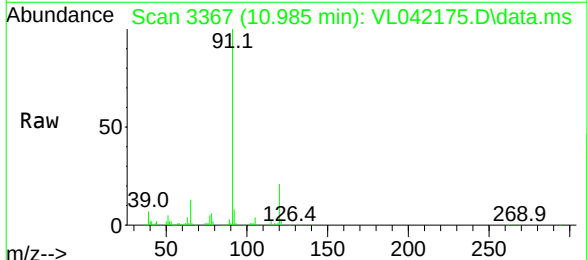
Manual Integrations
APPROVED

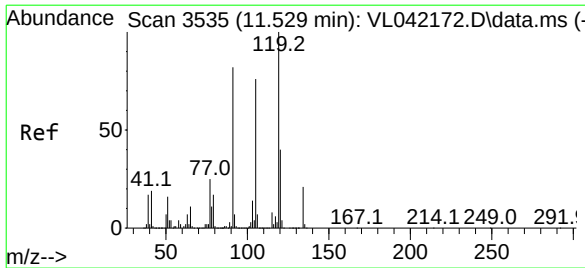
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 0.528 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:	120	Resp:	14030
Ion	Ratio	Lower	Upper
120	100		
91	483.1	376.9	565.3





#65

tert-Butylbenzene

Concen: 0.557 ppbv

RT: 11.526 min Scan# 3511

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

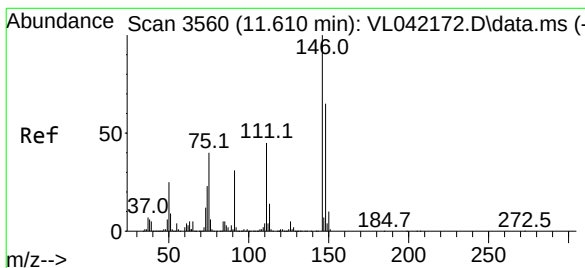
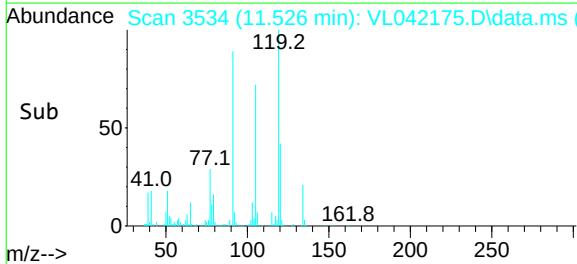
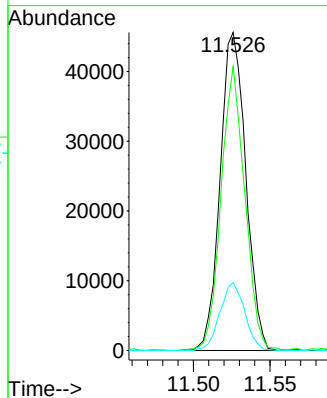
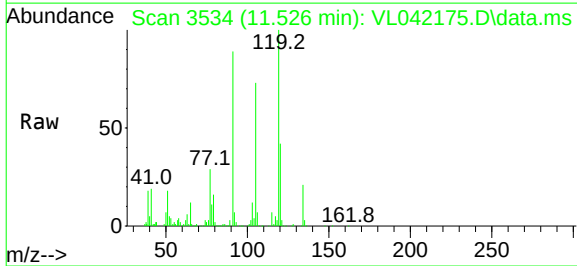
VSTDICC0.5

Tgt Ion:	119	Resp:	53115
Ion	Ratio	Lower	Upper
119	100		
91	82.9	66.0	99.0
134	20.6	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 0.520 ppbv

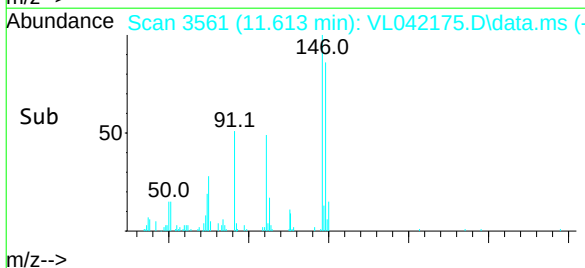
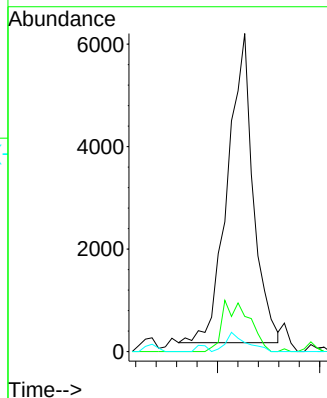
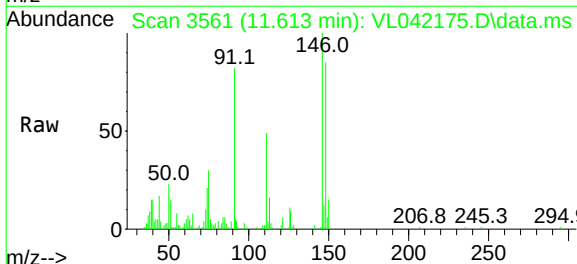
RT: 11.613 min Scan# 3561

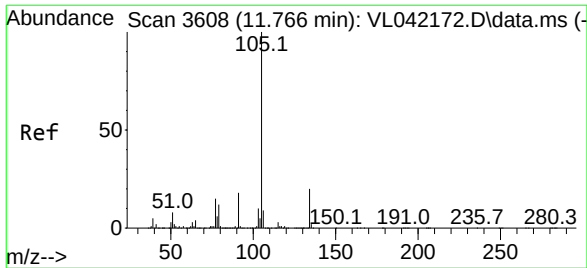
Delta R.T. 0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion:	91	Resp:	5263
Ion	Ratio	Lower	Upper
91	100		
126	18.7	13.8	20.6
128	5.8	4.5	6.7





#67

sec-Butylbenzene

Concen: 0.550 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 72879

Ion Ratio Lower Upper

105 100

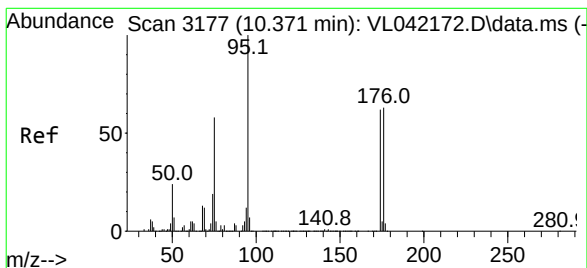
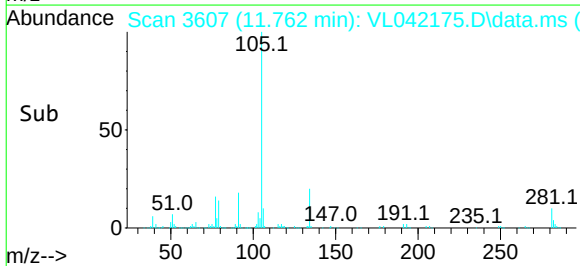
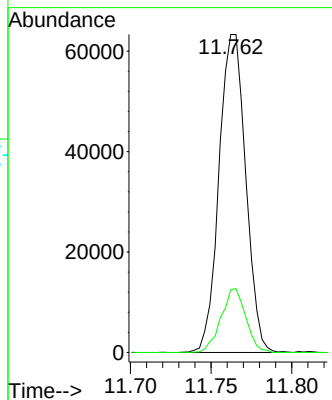
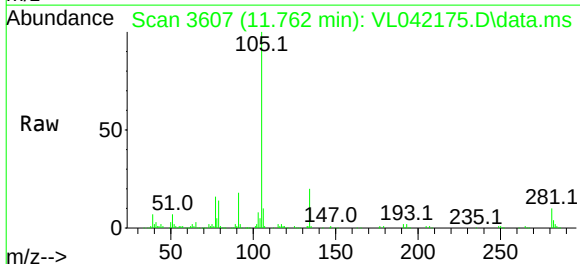
134 18.6 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.130 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

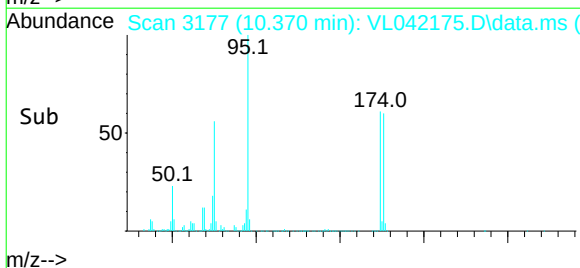
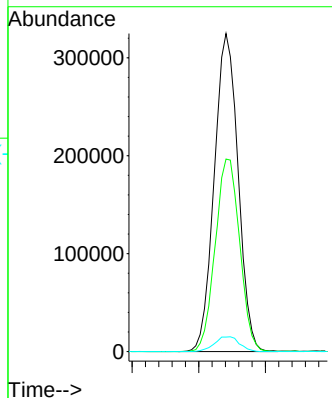
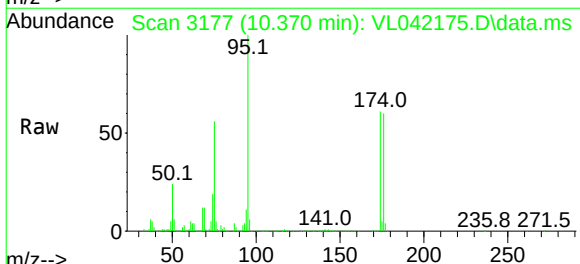
Tgt Ion: 95 Resp: 403513

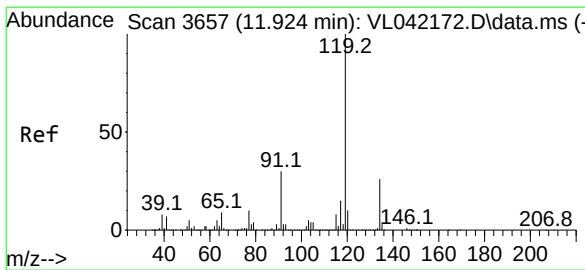
Ion Ratio Lower Upper

95 100

174 62.3 50.6 76.0

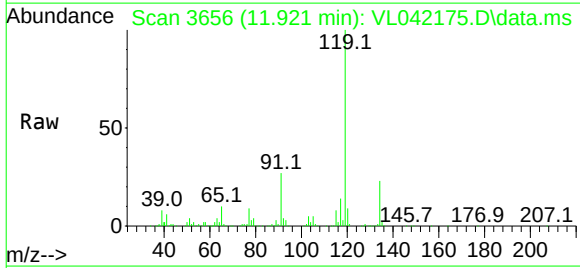
175 4.9 3.8 5.6





#69
p-Isopropyltoluene
Concen: 0.542 ppbv
RT: 11.921 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

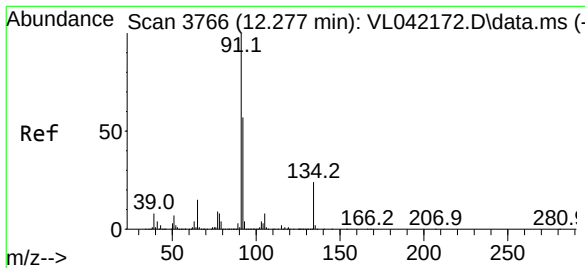
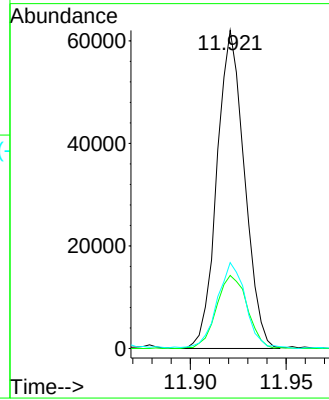
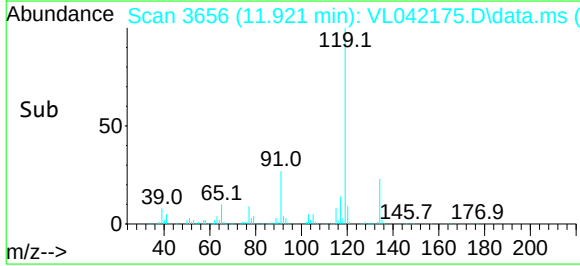
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



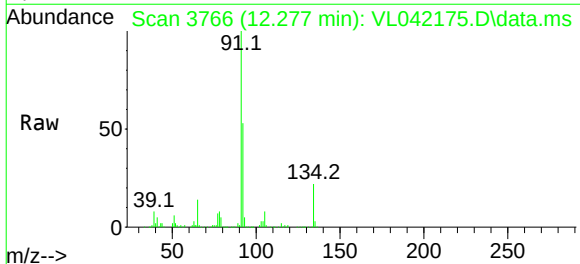
Tgt Ion: 119 Resp: 61933
Ion Ratio Lower Upper
119 100
134 25.8 20.4 30.6
91 29.4 23.7 35.5

Manual Integrations
APPROVED

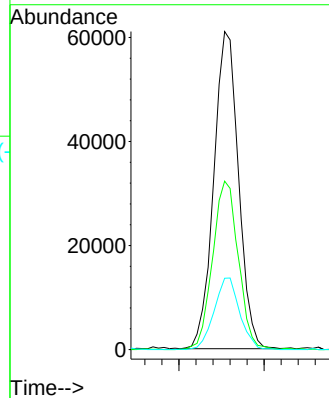
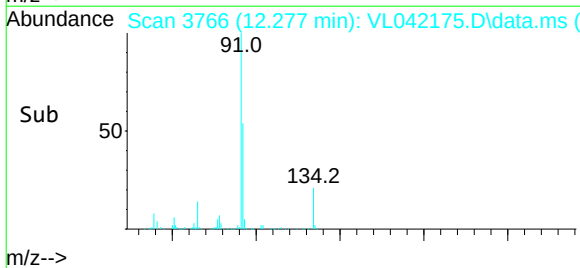
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

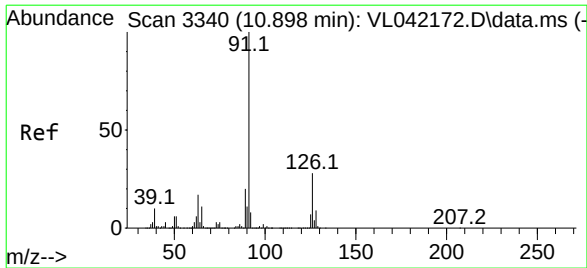


#70
n-Butylbenzene
Concen: 0.527 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01



Tgt Ion: 91 Resp: 61507
Ion Ratio Lower Upper
91 100
92 55.3 44.9 67.3
134 23.4 19.2 28.8





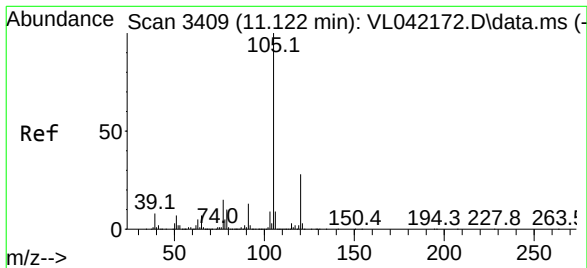
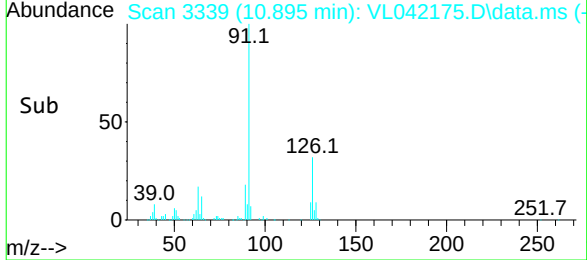
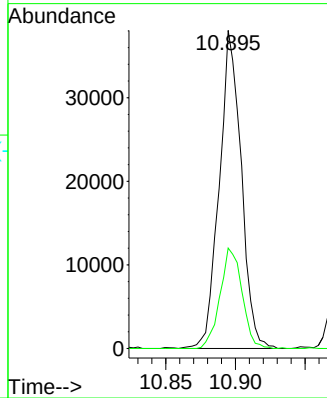
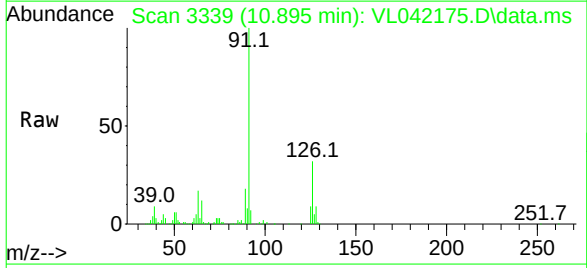
#71
2-Chlorotoluene
Concen: 0.520 ppbv
RT: 10.895 min Scan# 3339
Delta R.T. -0.003 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 41637
Ion Ratio Lower Upper
91 100
126 31.7 11.6 46.4

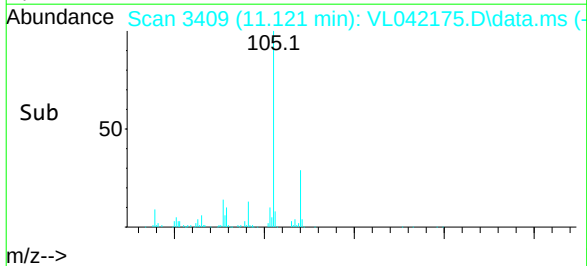
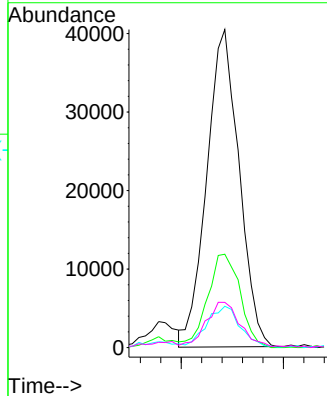
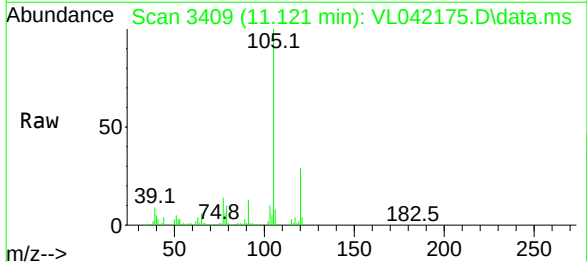
Manual Integrations
APPROVED

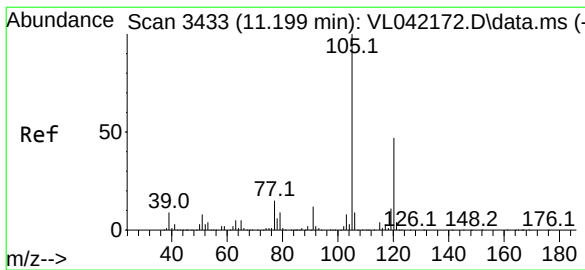
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 0.518 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042175.D
Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 44473
Ion Ratio Lower Upper
105 100
120 32.3 23.4 35.0
91 14.9 10.3 15.5
77 17.8 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.523 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 39190

Ion Ratio Lower Upper

105 100

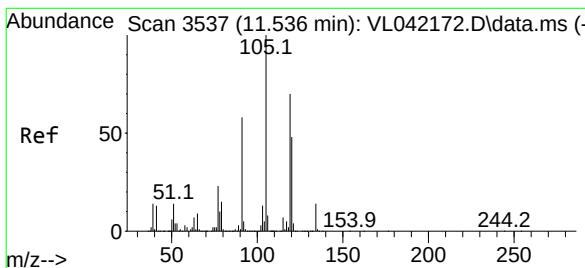
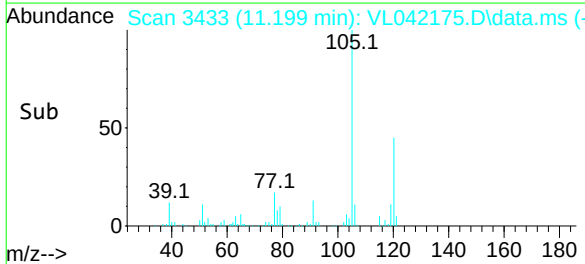
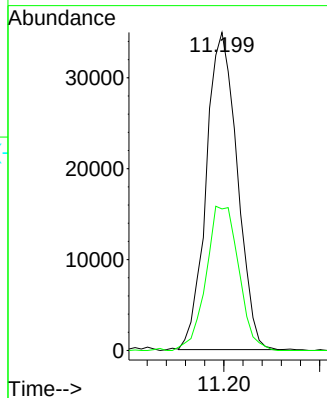
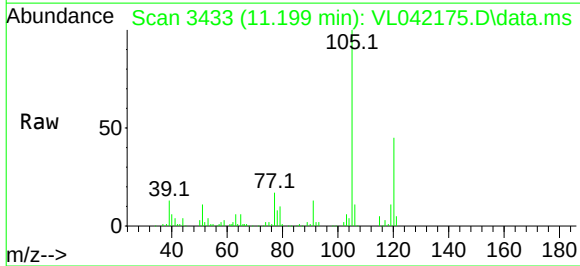
120 44.6 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.560 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion:105 Resp: 48370

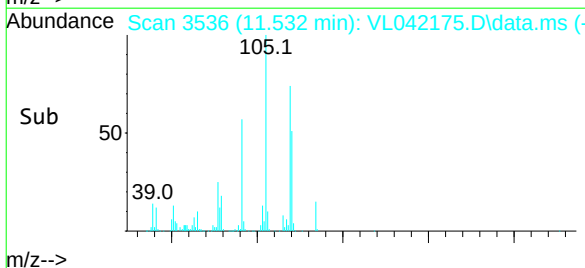
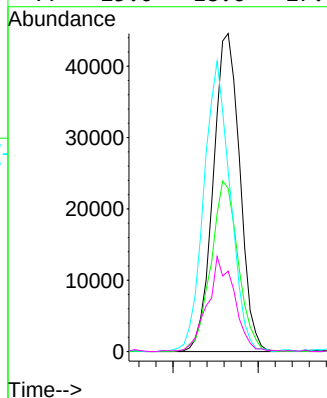
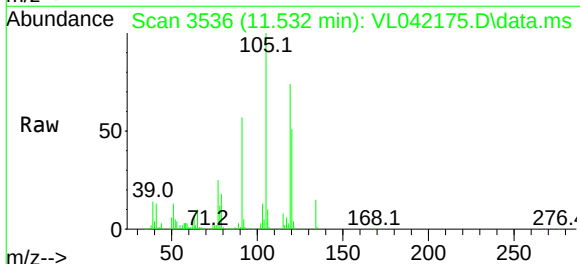
Ion Ratio Lower Upper

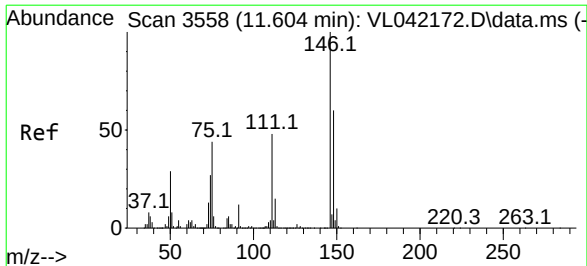
105 100

120 51.3 38.6 58.0

91 56.5 46.2 69.2

77 25.0 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 0.530 ppbv

RT: 11.600 min Scan# 3558

Delta R.T. -0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

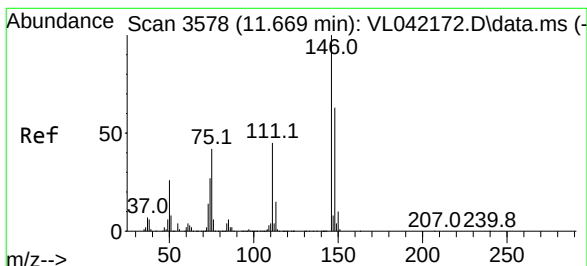
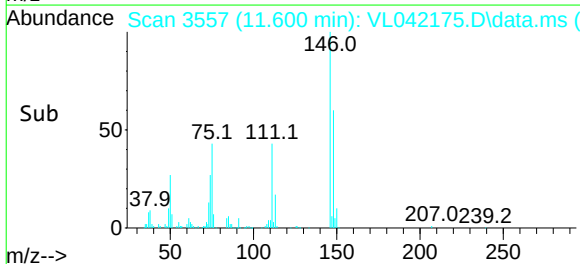
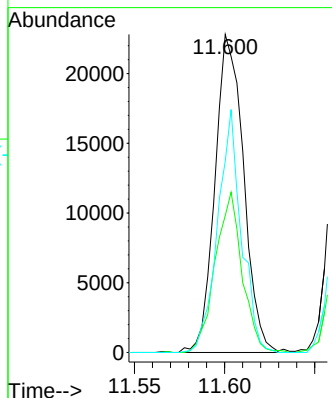
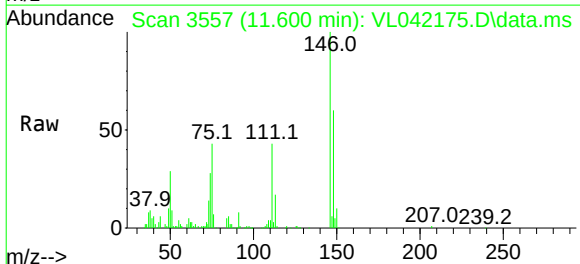
VSTDIC0.5

Tgt	Ion:146	Resp:	25122
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.2
148	63.7	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 0.530 ppbv

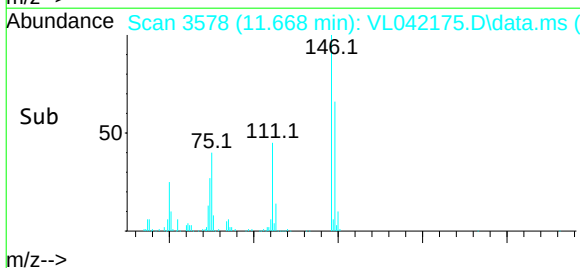
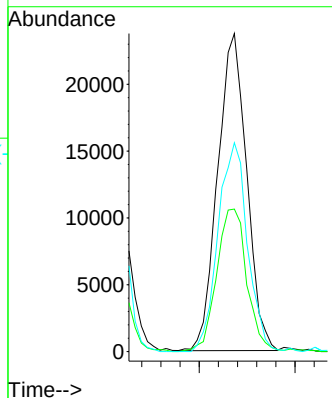
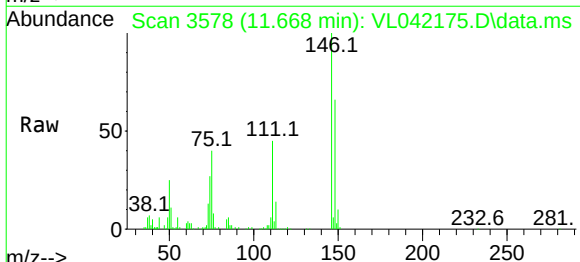
RT: 11.668 min Scan# 3578

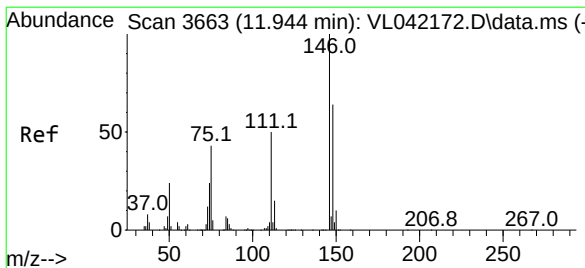
Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt	Ion:146	Resp:	24991
Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.0	69.0
148	67.5	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 0.532 ppbv

RT: 11.943 min Scan# 3663

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

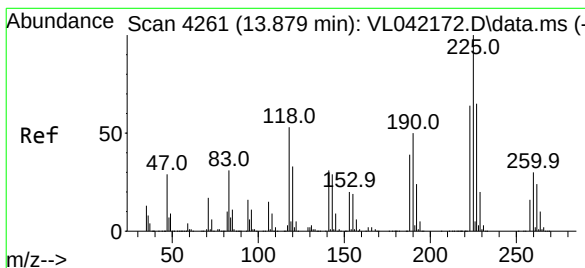
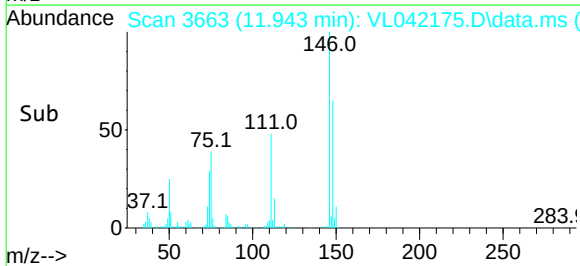
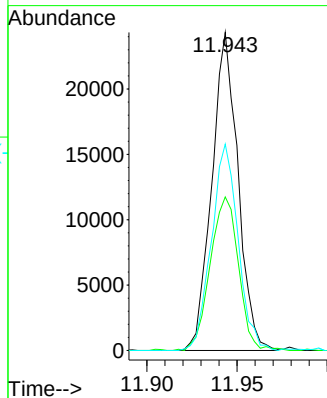
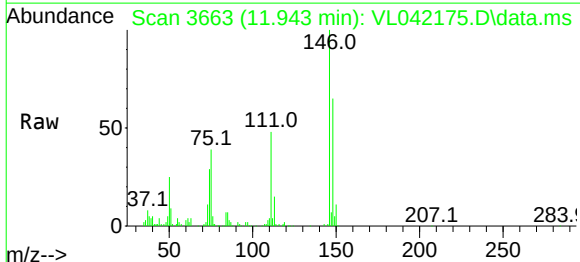
VSTDICC0.5

Tgt Ion:	146	Resp:	24548
Ion Ratio	Lower	Upper	
146	100		
111	52.2	24.8	74.3
148	66.6	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.546 ppbv

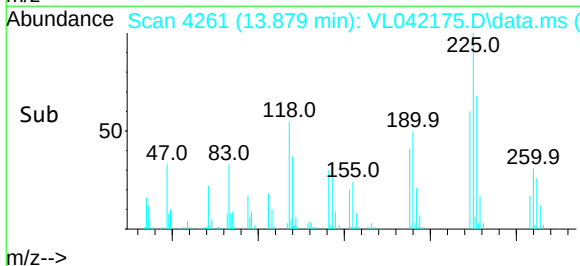
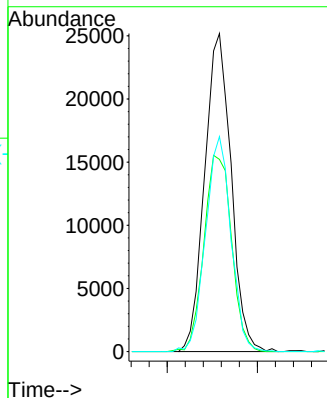
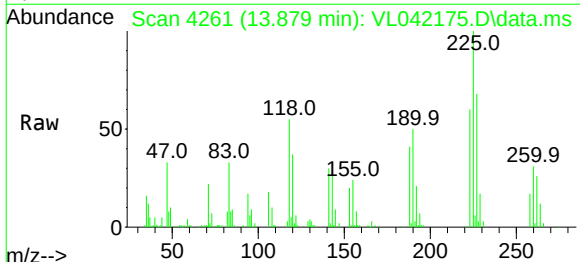
RT: 13.879 min Scan# 4261

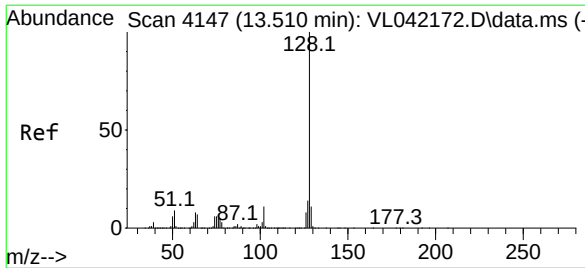
Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Tgt Ion:	225	Resp:	25636
Ion Ratio	Lower	Upper	
225	100		
223	64.5	50.6	76.0
227	64.8	51.2	76.8





#79

Naphthalene

Concen: 0.508 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

Instrument :

MSVOA_L

ClientSampleId :

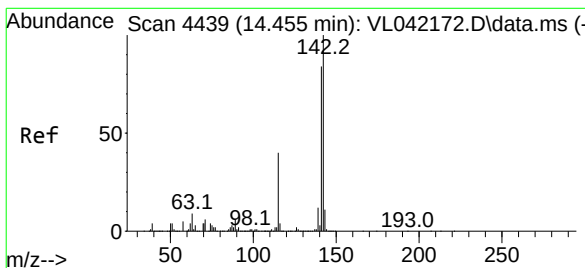
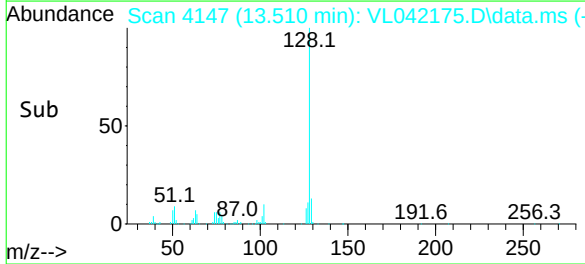
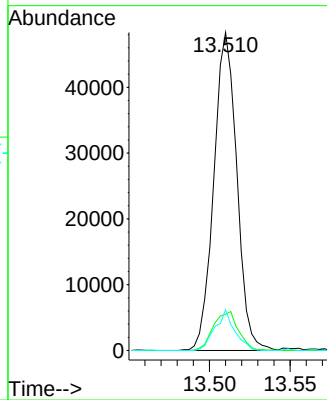
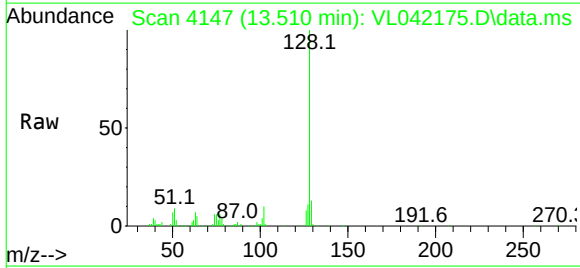
VSTDICC0.5

Tgt Ion:	128	Resp:	47990
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.8	16.2
129	12.8	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene, 2-methyl-

Concen: 0.380 ppbv

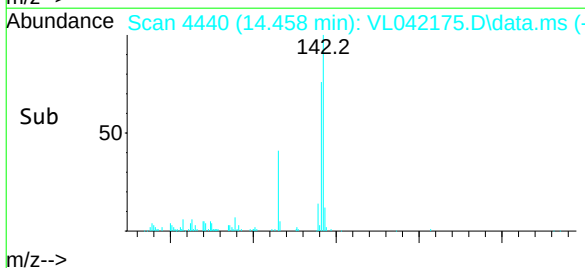
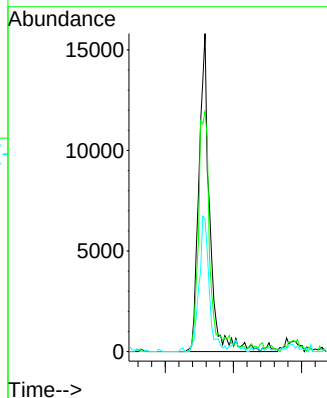
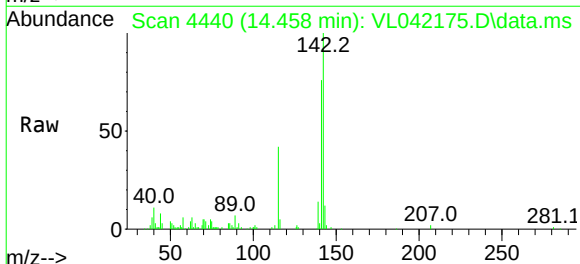
RT: 14.458 min Scan# 4440

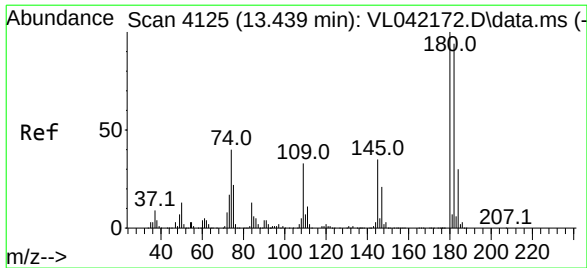
Delta R.T. 0.003 min

Lab File: VL042175.D

Acq: 27 Mar 2025 10:01

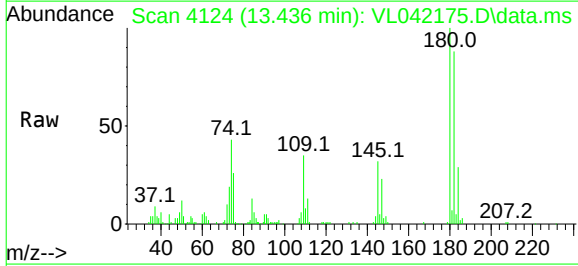
Tgt Ion:	142	Resp:	17486
Ion Ratio	Lower	Upper	
142	100		
141	83.3	66.3	99.5
115	43.5	31.6	47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.457 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042175.D
 Acq: 27 Mar 2025 10:01

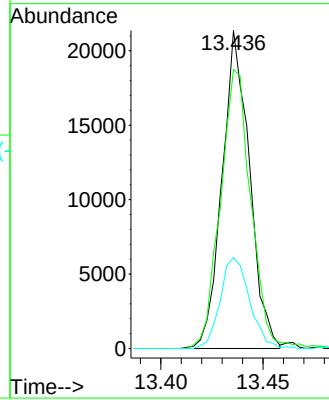
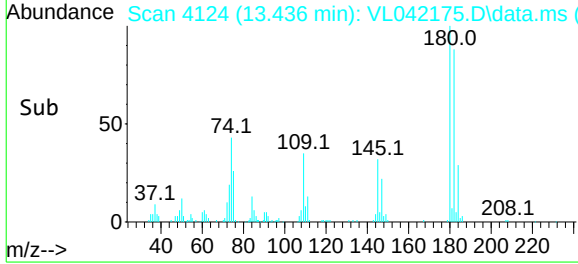
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	19924
Ion Ratio	Lower	Upper	
180	100		
182	97.9	75.1	112.7
184	31.1	24.4	36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042176.D
 Acq On : 27 Mar 2025 10:32
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:35:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	180740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	528028	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	481506	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	398069	10.067	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%
Target Compounds						
5) Vinyl Chloride	1.580	62	1274	0.115	ppbv #	42
32) 1,1,1-Trichloroethane	3.366	97	4509m	0.106	ppbv	
35) Carbon Tetrachloride	3.768	117	4131m	0.102	ppbv	
38) Trichloroethene	4.551	130	2306m	0.106	ppbv	
52) Tetrachloroethene	8.225	164	1895m	0.091	ppbv	
54) 1,2-Dibromoethane	7.652	107	3033m	0.108	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	3852m	0.093	ppbv	
79) Naphthalene	13.513	128	7882	0.084	ppbv #	92

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

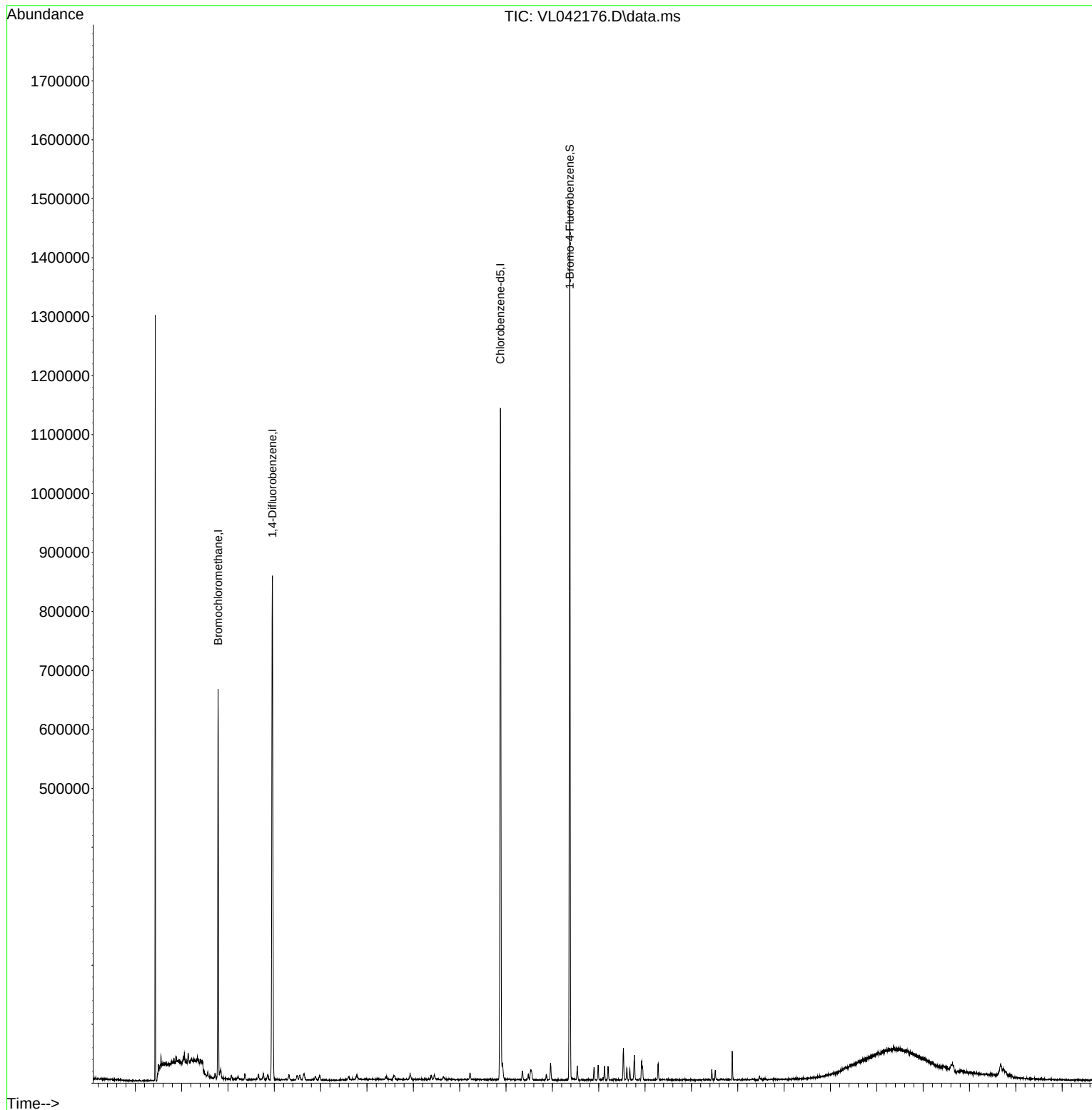
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042176.D
Acq On : 27 Mar 2025 10:32
Operator : SY/MD
Sample : VSTDIC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

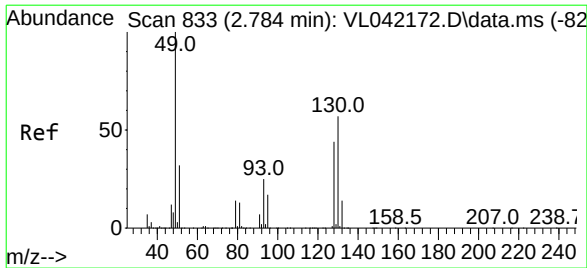
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

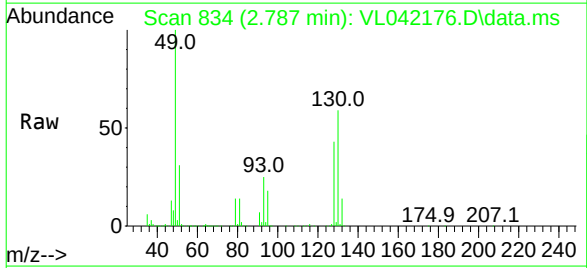
Quant Time: Mar 28 01:35:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

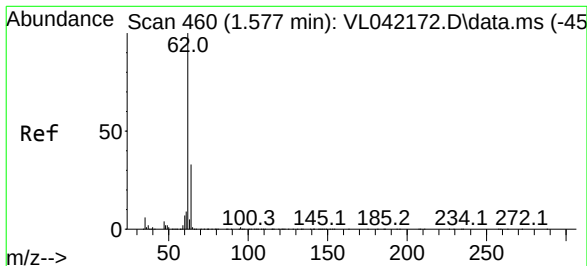
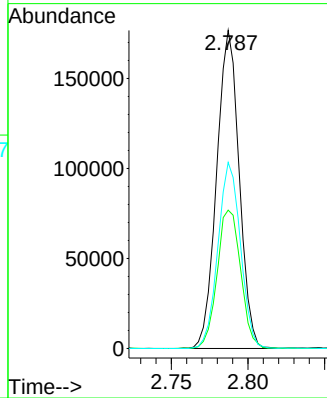
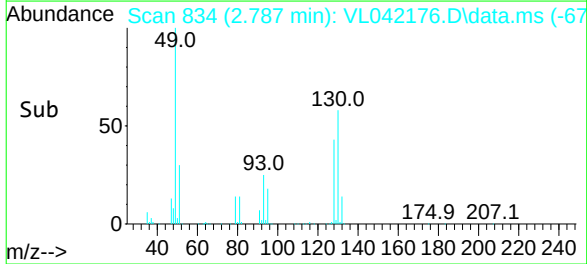
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 180740
Ion Ratio Lower Upper
49 100
128 45.6 22.9 68.5
130 58.5 28.8 86.4

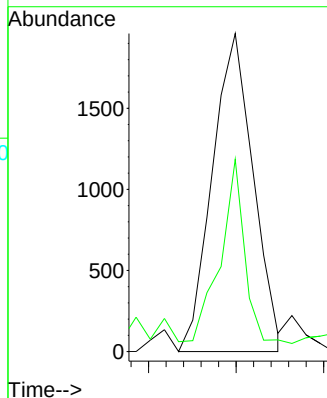
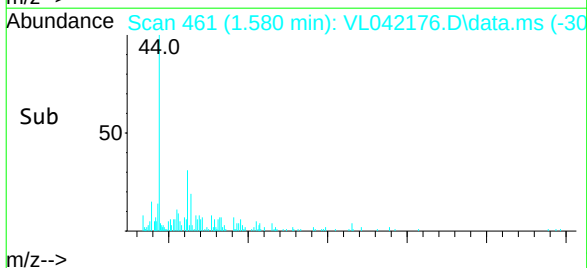
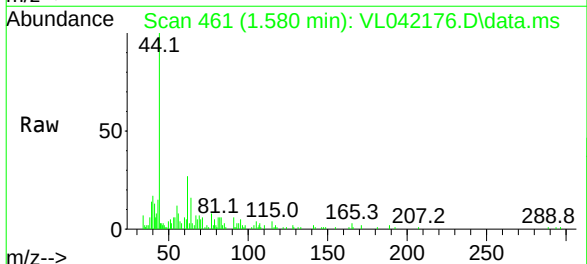
Manual Integrations
APPROVED

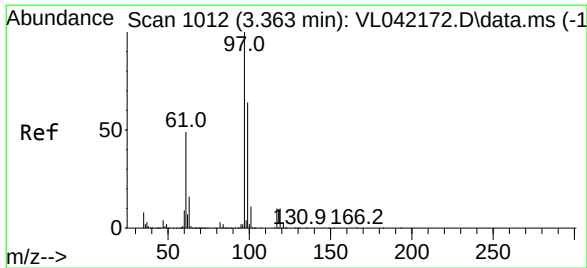
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#5
Vinyl Chloride
Concen: 0.115 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

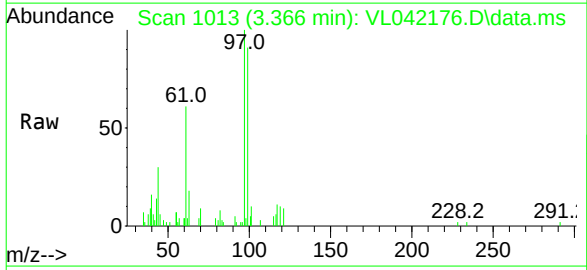
Tgt Ion: 62 Resp: 1274
Ion Ratio Lower Upper
62 100
64 66.4 26.6 40.0#





#32
1,1,1-Trichloroethane
Concen: 0.106 ppbv m
RT: 3.366 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

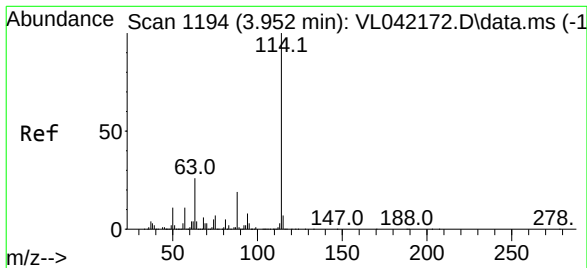
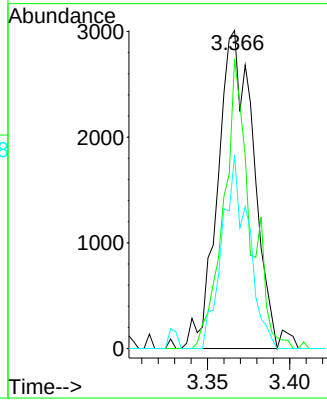
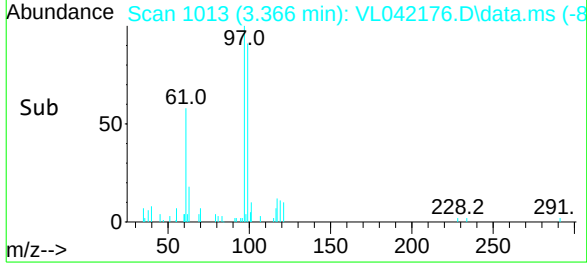
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 97 Resp: 4509
Ion Ratio Lower Upper
97 100
99 68.6 51.5 77.3
61 45.4 38.7 58.1

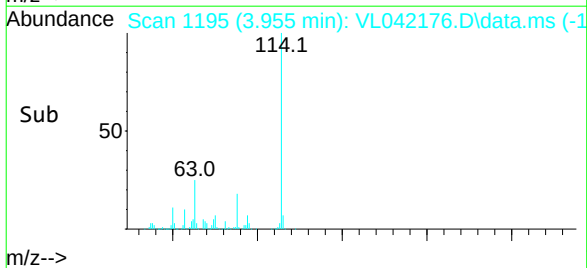
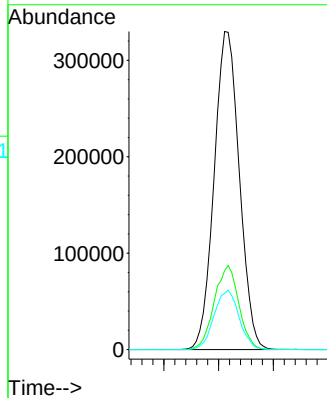
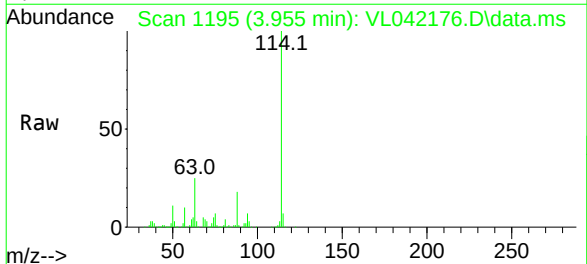
Manual Integrations
APPROVED

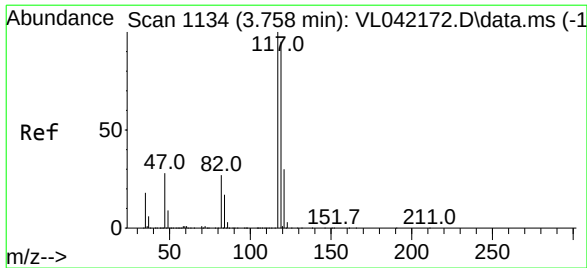
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

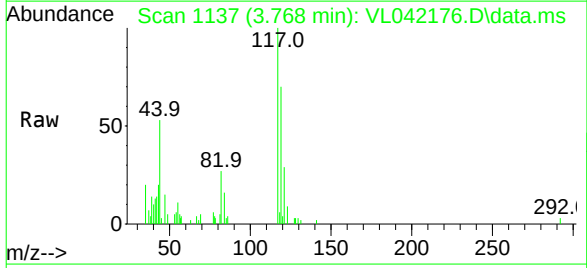
Tgt Ion:114 Resp: 528028
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 18.5 15.0 22.4





#35
Carbon Tetrachloride
Concen: 0.102 ppbv m
RT: 3.768 min Scan# 1134
Delta R.T. 0.010 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

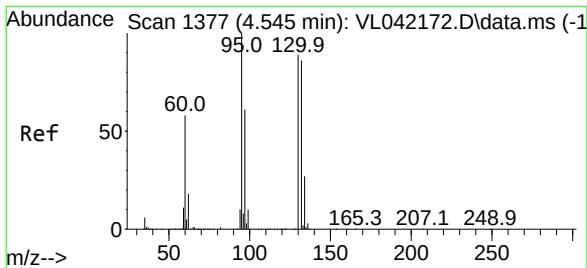
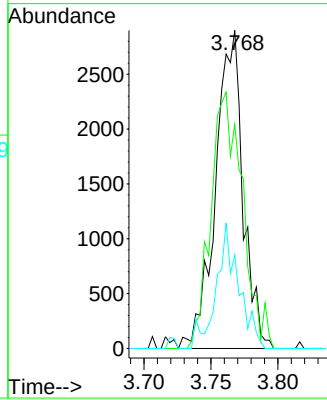
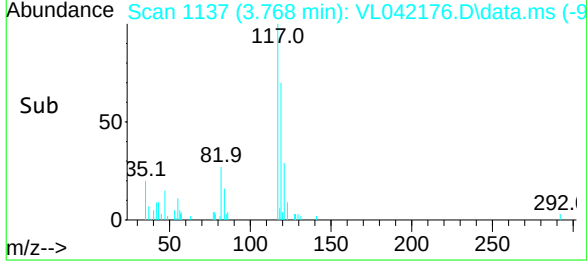
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



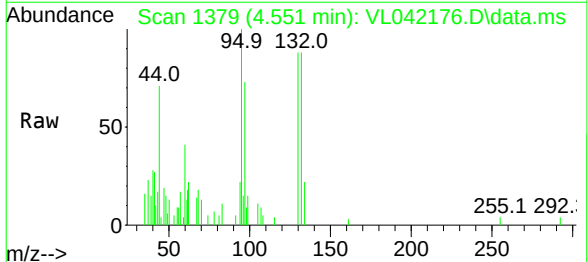
Tgt Ion:117 Resp: 4131
Ion Ratio Lower Upper
117 100
119 70.5 76.2 114.2#
121 29.4 24.2 36.4

Manual Integrations
APPROVED

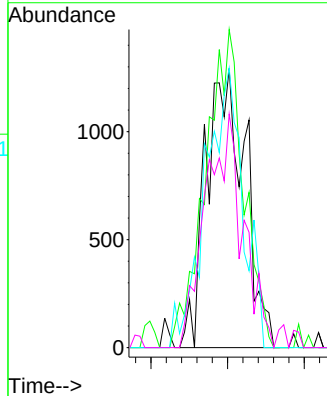
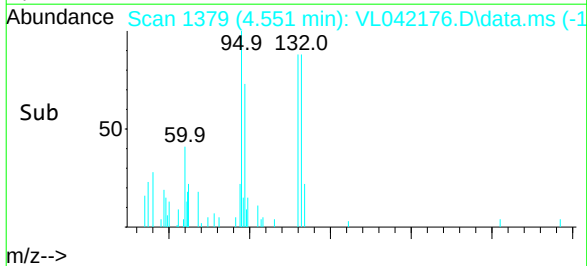
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

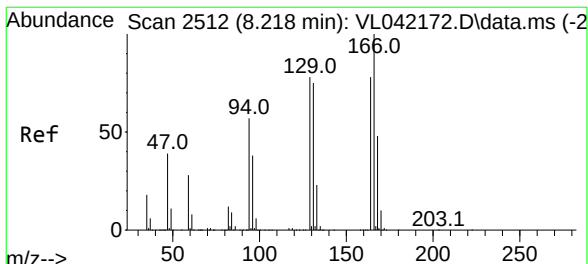


#38
Trichloroethene
Concen: 0.106 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32



Tgt Ion:130 Resp: 2306
Ion Ratio Lower Upper
130 100
95 114.0 89.8 134.8
132 100.2 77.4 116.2
97 83.7 55.1 82.7#





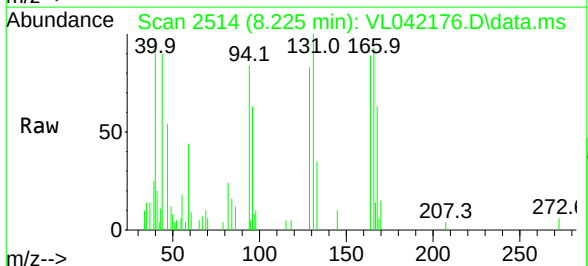
#52
 Tetrachloroethene
 Concen: 0.091 ppbv m
 RT: 8.225 min Scan# 2512
 Delta R.T. 0.006 min
 Lab File: VL042176.D
 Acq: 27 Mar 2025 10:32

Instrument :

MSVOA_L

ClientSampleId :

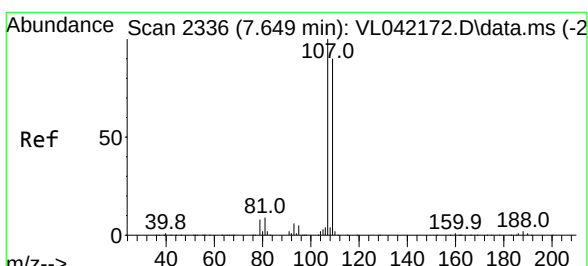
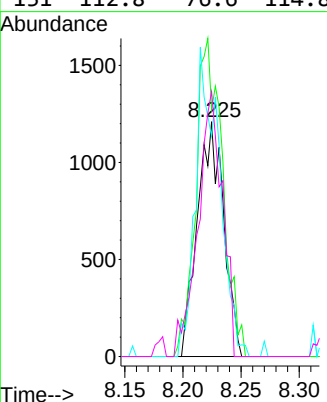
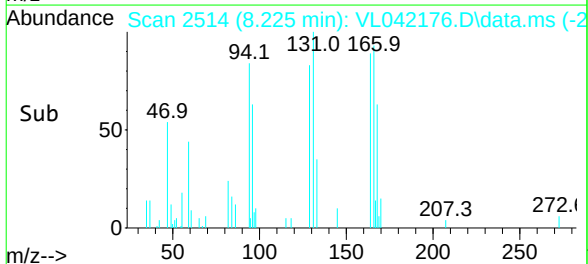
VSTDIC0.1



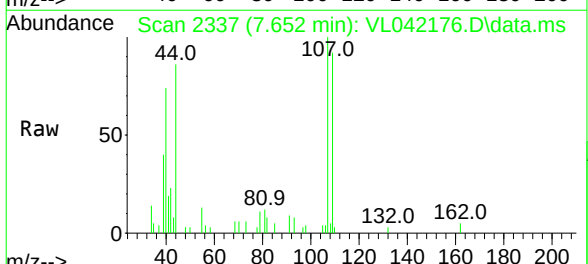
Tgt Ion:	164	Resp:	1895
Ion	Ratio	Lower	Upper
164	100		
166	105.1	102.5	153.7
129	93.7	79.8	119.8
131	112.8	76.6	114.8

Manual Integrations
 APPROVED

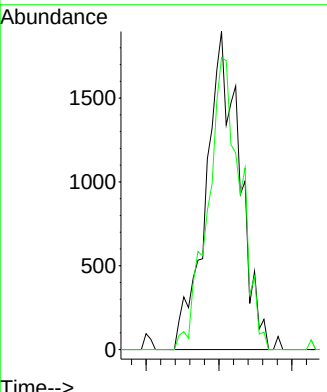
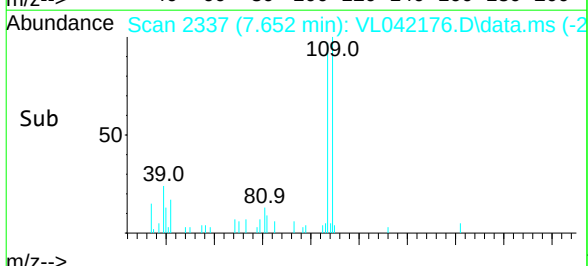
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

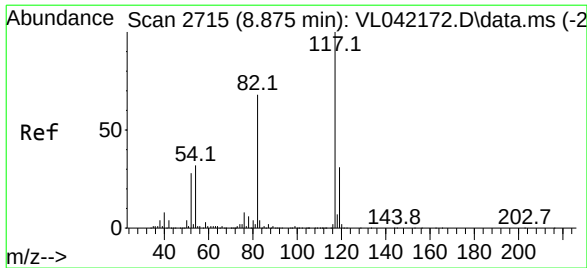


#54
 1,2-Dibromoethane
 Concen: 0.108 ppbv m
 RT: 7.652 min Scan# 2337
 Delta R.T. 0.003 min
 Lab File: VL042176.D
 Acq: 27 Mar 2025 10:32



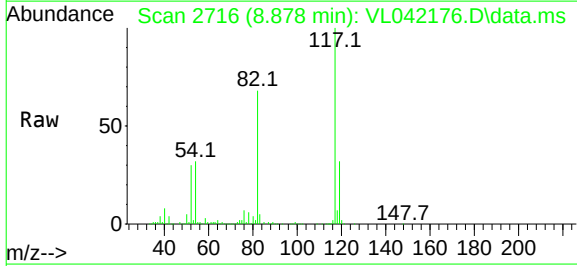
Tgt Ion:	107	Resp:	3033
Ion	Ratio	Lower	Upper
107	100		
109	91.8	72.2	108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32

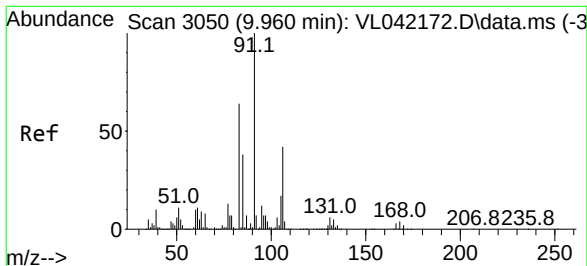
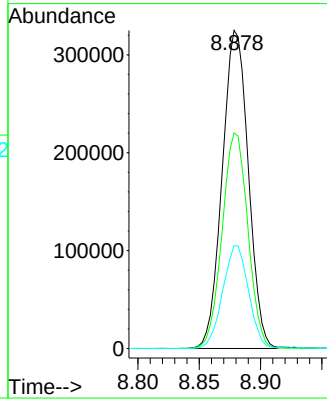
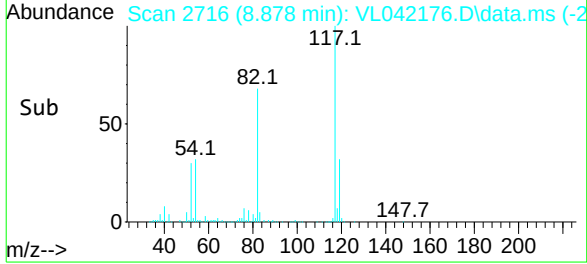
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



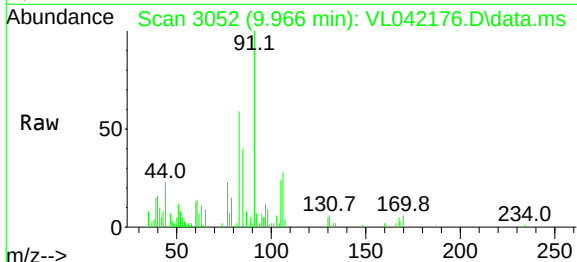
Tgt Ion: 117 Resp: 481506
Ion Ratio Lower Upper
117 100
82 66.7 55.8 83.6
119 32.3 25.5 38.3

Manual Integrations
APPROVED

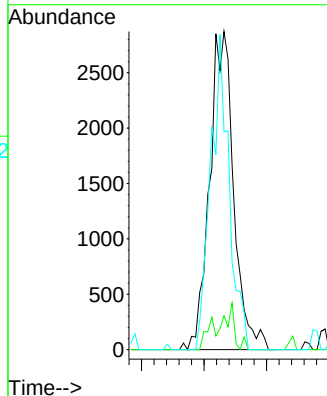
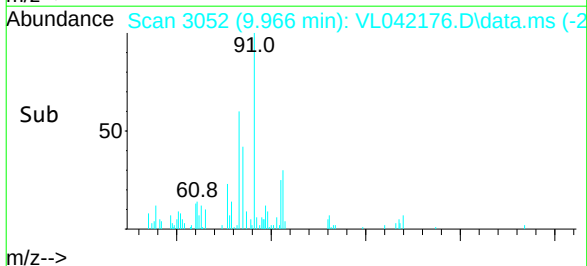
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025

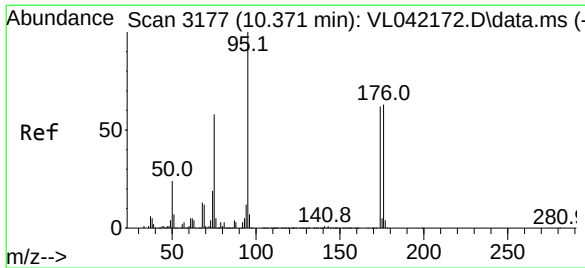


#63
1,1,2,2-Tetrachloroethane
Concen: 0.093 ppbv m
RT: 9.966 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VL042176.D
Acq: 27 Mar 2025 10:32



Tgt Ion: 83 Resp: 3852
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 0.0 32.5 97.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.067 ppbv

RT: 10.374 min Scan# 3177

Delta R.T. 0.003 min

Lab File: VL042176.D

Acq: 27 Mar 2025 10:32

Instrument :

MSVOA_L

ClientSampleId :

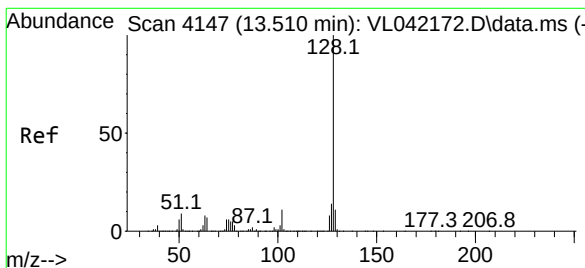
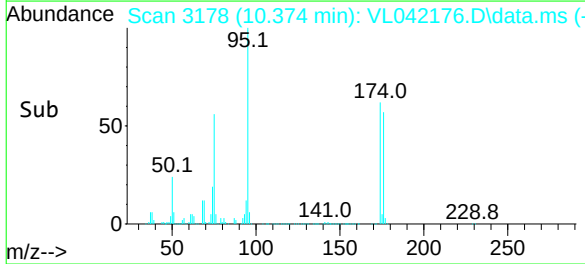
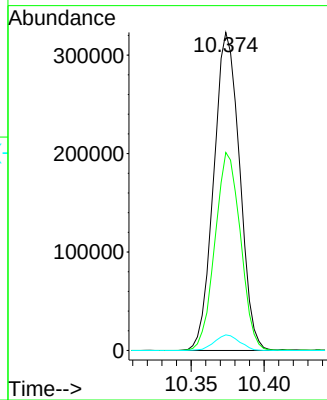
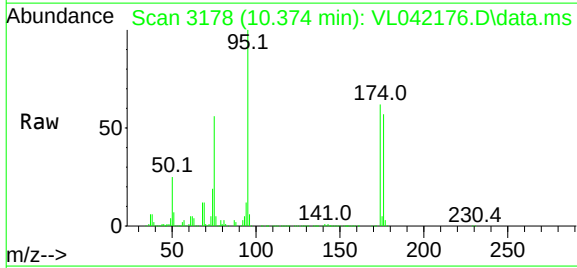
VSTDIC0.1

Tgt Ion:	95	Resp:	398069
Ion	Ratio	Lower	Upper
95	100		
174	61.5	50.6	76.0
175	4.8	3.8	5.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#79

Naphthalene

Concen: 0.084 ppbv

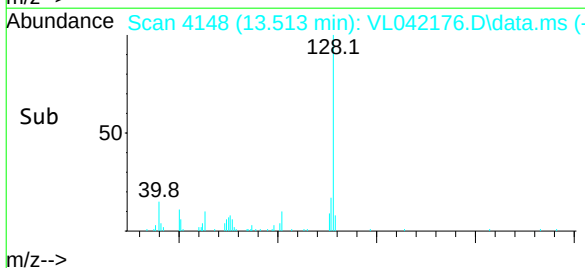
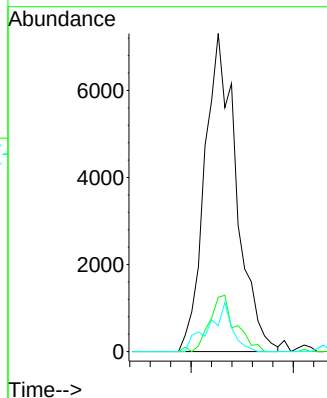
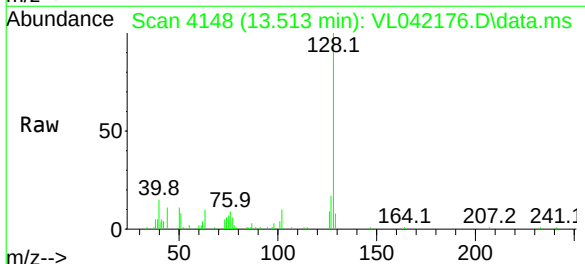
RT: 13.513 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL042176.D

Acq: 27 Mar 2025 10:32

Tgt Ion:	128	Resp:	7882
Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.8	16.2#
129	8.1	9.0	13.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042177.D
 Acq On : 27 Mar 2025 11:03
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 01:36:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	178058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	512915	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	475617	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	389935	9.983	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
5) Vinyl Chloride	1.580	62	471m	0.043	ppbv	Qvalue
32) 1,1,1-Trichloroethane	3.366	97	1683m	0.040	ppbv	
35) Carbon Tetrachloride	3.758	117	1645m	0.042	ppbv	
38) Trichloroethene	4.541	130	712m	0.034	ppbv	
52) Tetrachloroethene	8.208	164	880m	0.044	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	1407m	0.034	ppbv	

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

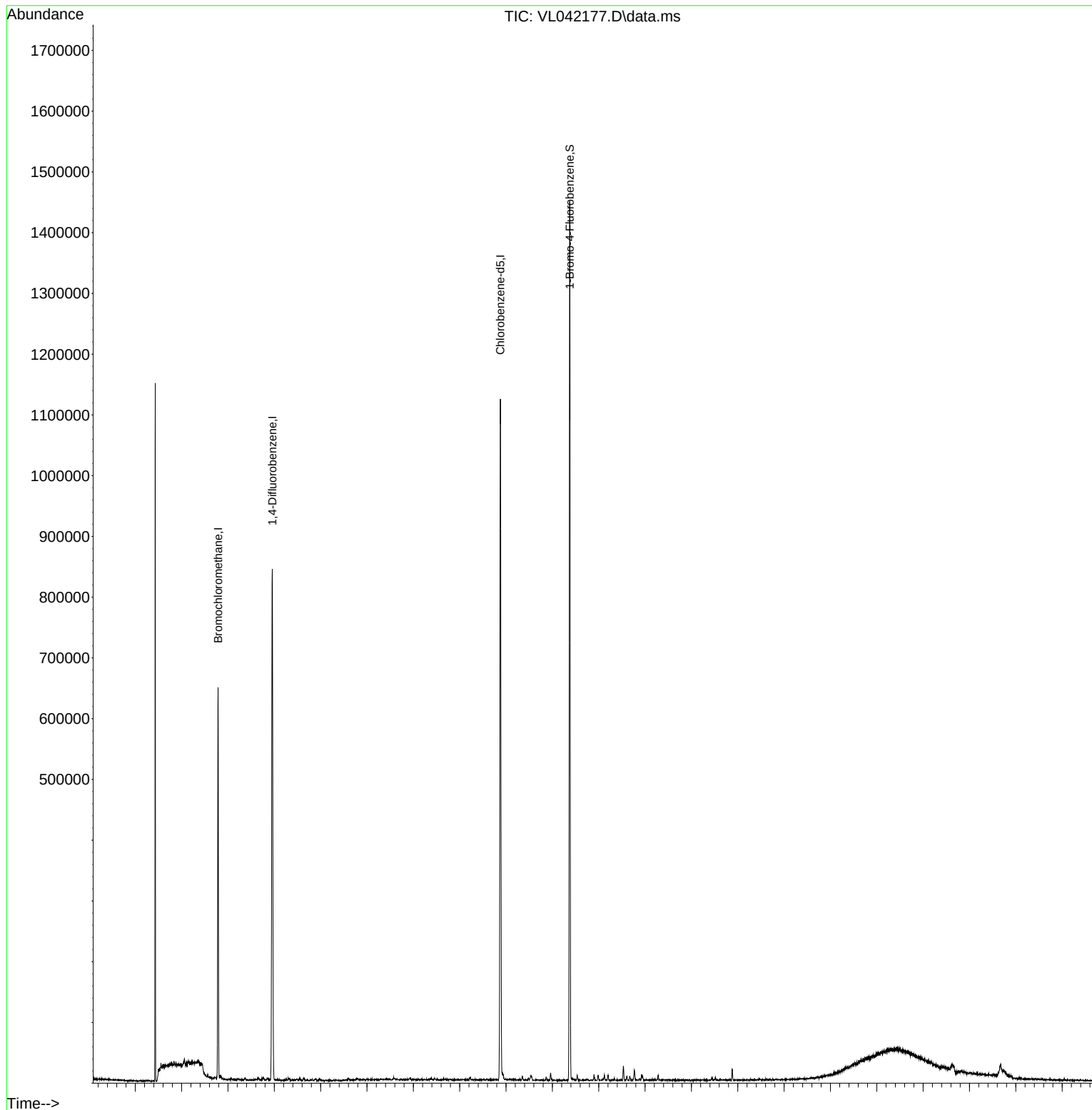
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042177.D
Acq On : 27 Mar 2025 11:03
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

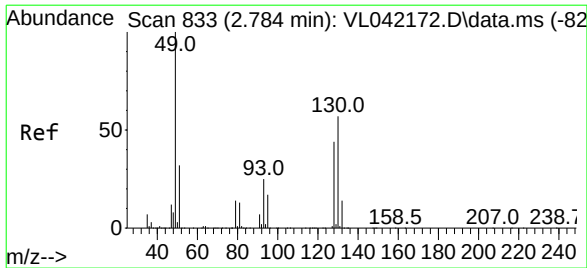
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

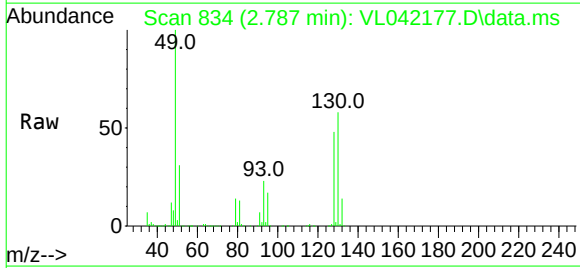
Quant Time: Mar 28 01:36:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 83
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

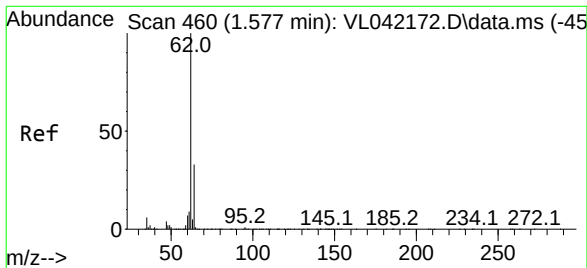
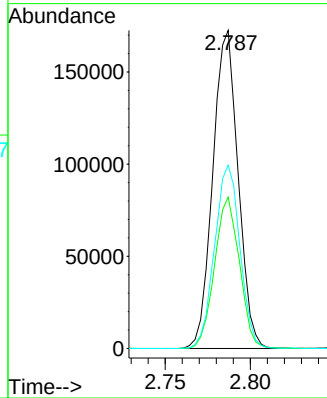
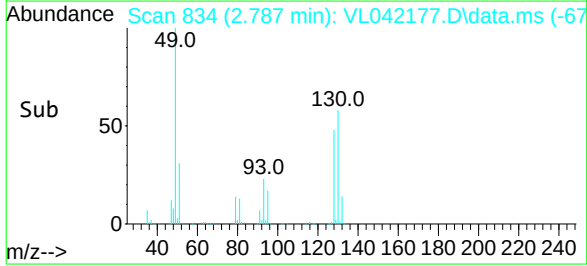
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 49 Resp: 178058
Ion Ratio Lower Upper
49 100
128 46.8 22.9 68.5
130 57.9 28.8 86.4

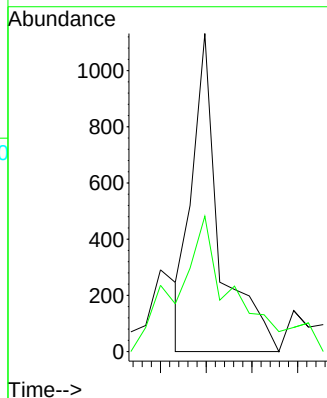
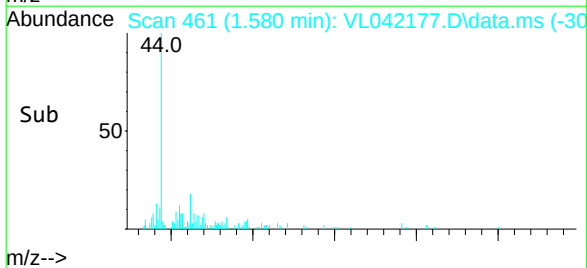
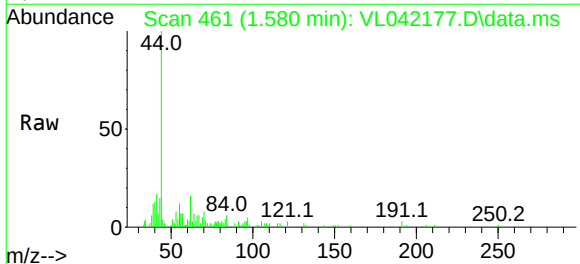
Manual Integrations
APPROVED

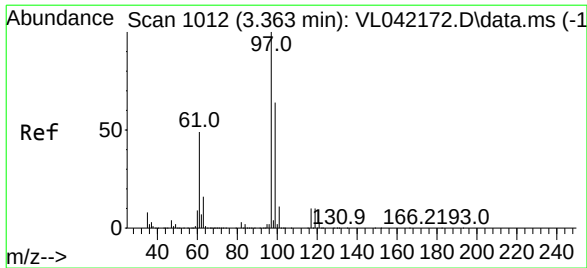
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#5
Vinyl Chloride
Concen: 0.043 ppbv m
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

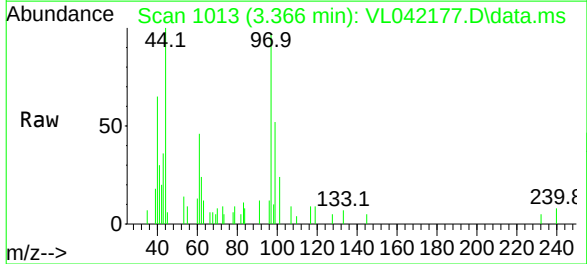
Tgt Ion: 62 Resp: 471
Ion Ratio Lower Upper
62 100
64 42.6 26.6 40.0#





#32
1,1,1-Trichloroethane
Concen: 0.040 ppbv m
RT: 3.366 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

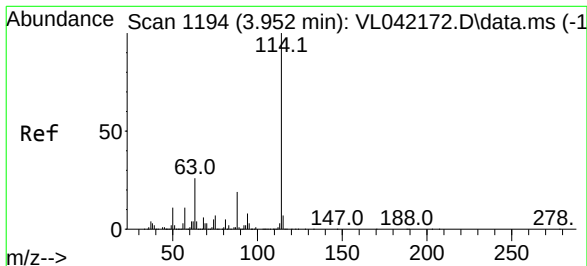
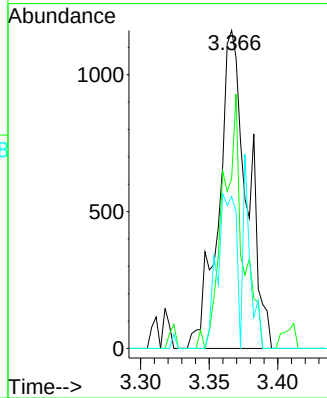
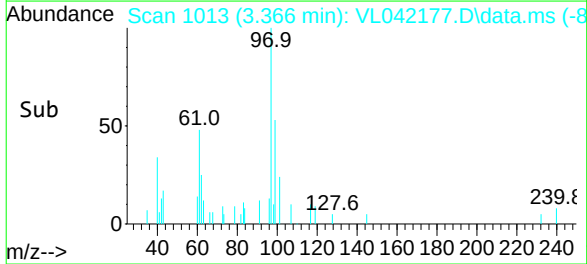
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 97 Resp: 1683
Ion Ratio Lower Upper
97 100
99 3.8 51.5 77.3#
61 2.1 38.7 58.1#

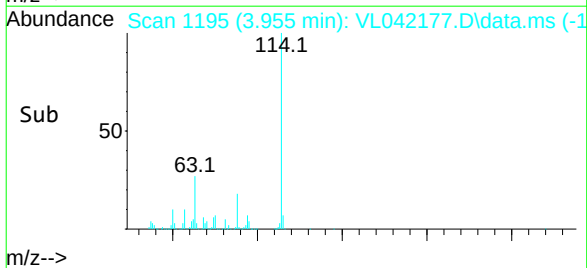
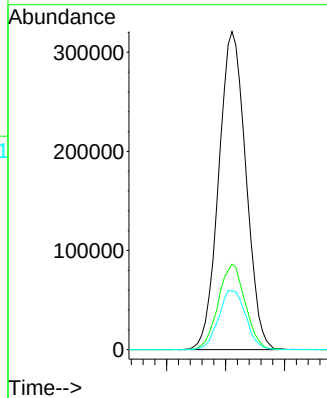
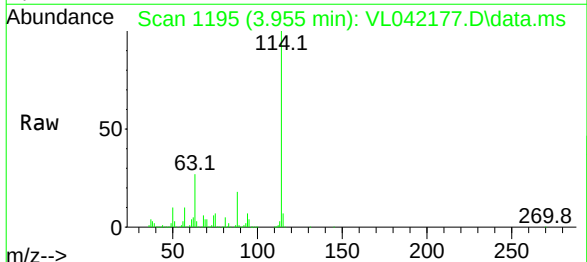
Manual Integrations
APPROVED

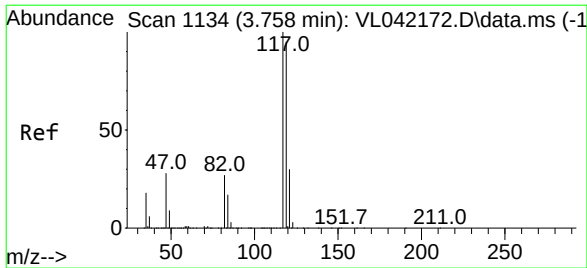
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

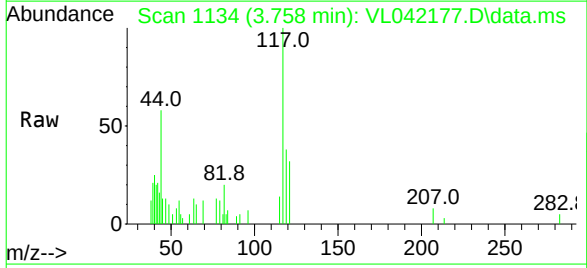
Tgt Ion:114 Resp: 512915
Ion Ratio Lower Upper
114 100
63 26.6 20.7 31.1
88 18.6 15.0 22.4





#35
Carbon Tetrachloride
Concen: 0.042 ppbv m
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

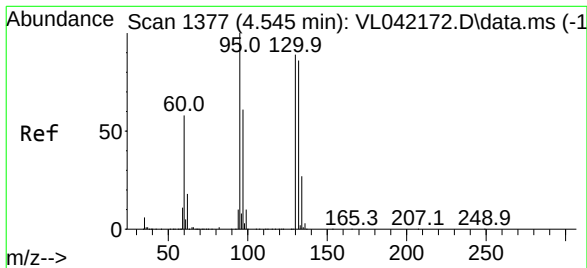
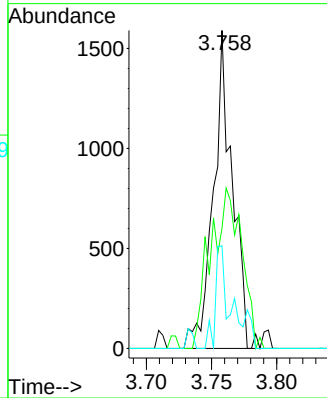
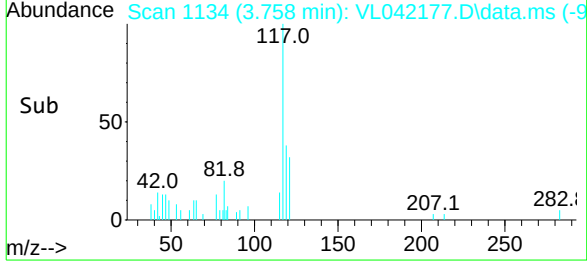
Instrument : MSVOA_L
ClientSampleId : VSTDIC0.03



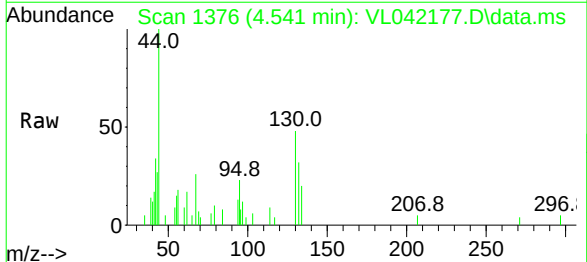
Tgt Ion:117 Resp: 1645
Ion Ratio Lower Upper
117 100
119 37.7 76.2 114.2#
121 32.3 24.2 36.4

Manual Integrations
APPROVED

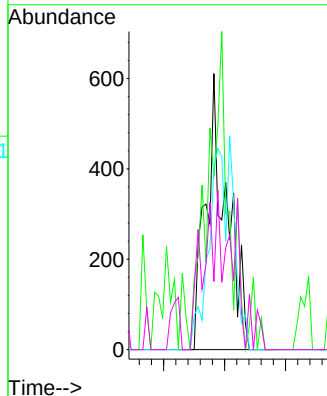
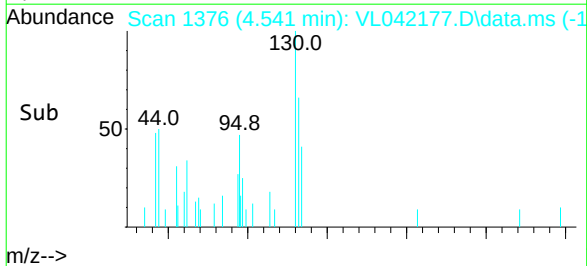
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

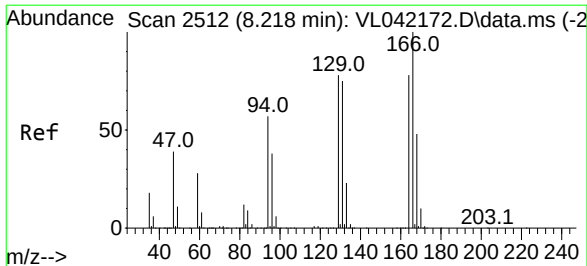


#38
Trichloroethene
Concen: 0.034 ppbv m
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03



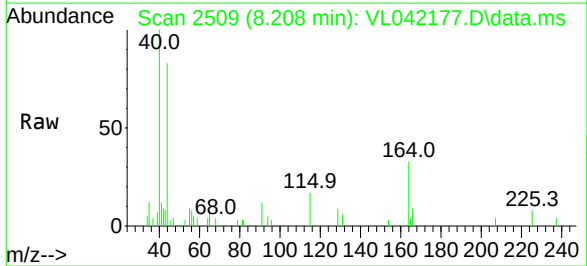
Tgt Ion:130 Resp: 712
Ion Ratio Lower Upper
130 100
95 47.0 89.8 134.8#
132 65.6 77.4 116.2#
97 24.7 55.1 82.7#





#52
Tetrachloroethene
Concen: 0.044 ppbv m
RT: 8.208 min Scan# 2512
Delta R.T. -0.010 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

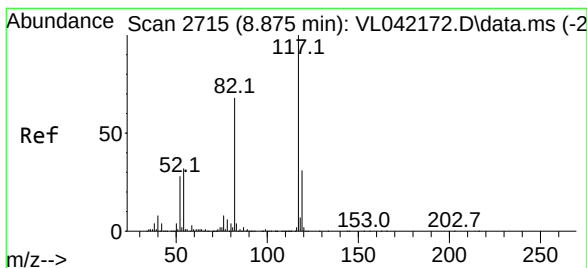
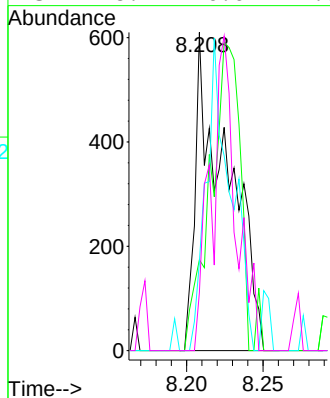
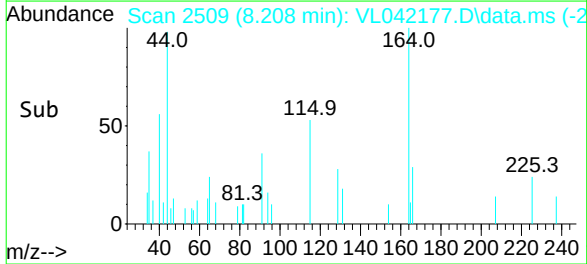
Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03



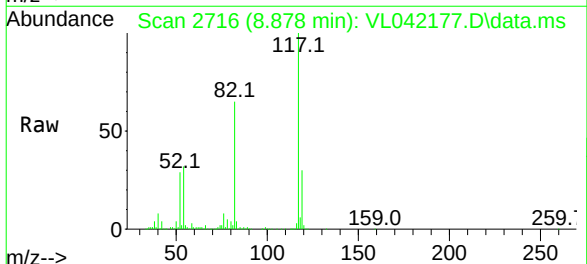
Tgt Ion	Ratio	Lower	Upper
164	100		
166	28.5	102.5	153.7#
129	27.7	79.8	119.8#
131	18.2	76.6	114.8#

Manual Integrations
APPROVED

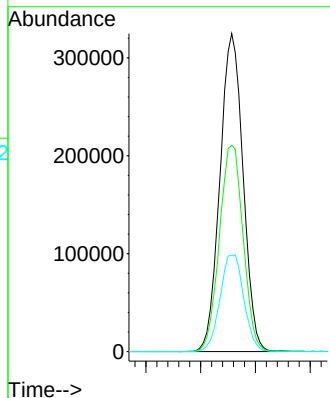
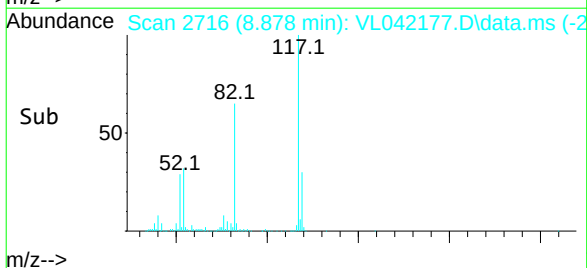
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

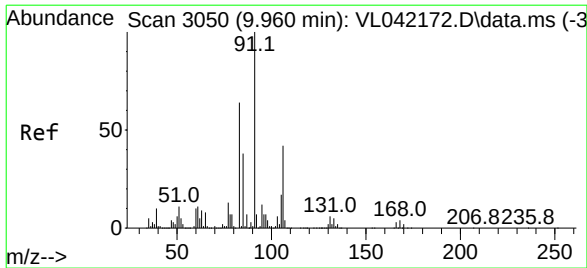


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03



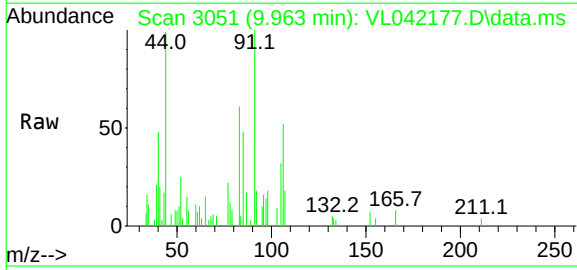
Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.7	55.8	83.6
119	31.5	25.5	38.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv m
RT: 9.963 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03

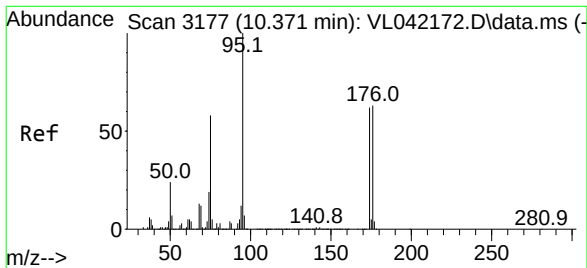
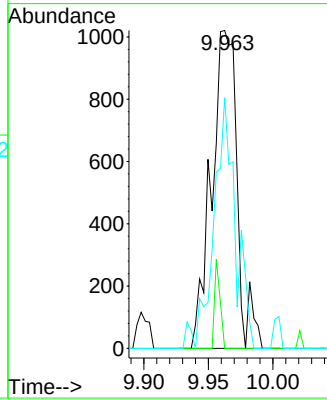
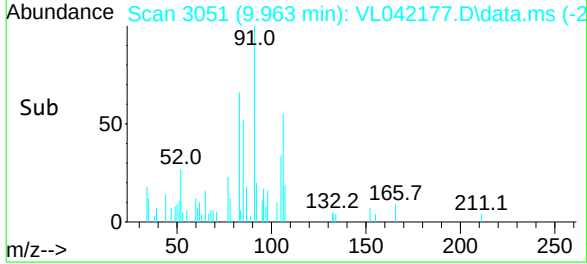
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



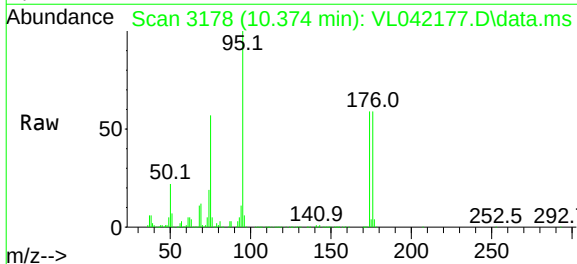
Tgt Ion: 83 Resp: 1407
Ion Ratio Lower Upper
83 100
131 6.0 4.8 14.4
85 67.2 32.5 97.5

Manual Integrations
APPROVED

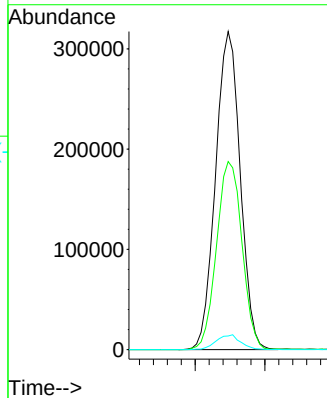
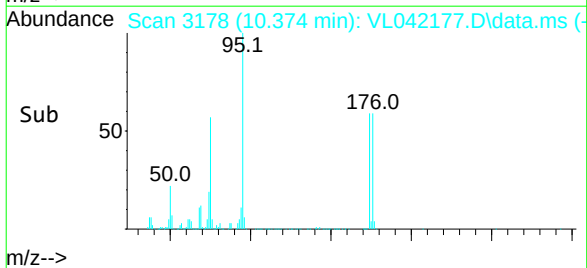
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.983 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042177.D
Acq: 27 Mar 2025 11:03



Tgt Ion: 95 Resp: 389935
Ion Ratio Lower Upper
95 100
174 61.2 50.6 76.0
175 4.6 3.8 5.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042178.D
 Acq On : 27 Mar 2025 11:36
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Quant Time: Mar 28 01:37:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	173372	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	499360	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	473077	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	387777	9.981	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	358962	14.023	ppbv	99
3) Chlorodifluoromethane	1.473	51	366164	14.002	ppbv	98
4) Chloromethane	1.531	50	148133	14.160	ppbv	98
5) Vinyl Chloride	1.576	62	141938	13.304	ppbv	97
6) Bromomethane	1.667	94	65113	13.734	ppbv	99
7) Chloroethane	1.703	64	58820	14.007	ppbv	99
8) Dichlorotetrafluoroethane	1.550	85	314834	14.442	ppbv	98
9) Propene	1.482	41	163799	13.902	ppbv	95
10) Heptane	4.972	43	446949	14.019	ppbv	99
11) Trichlorofluoromethane	1.874	101	349967	14.050	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	295217	14.419	ppbv	99
13) Ethanol	1.719	45	7382	8.001	ppbv	92
14) Bromoethene	1.780	108	106436	13.571	ppbv	98
15) Acetone	1.832	43	296254	12.218	ppbv	98
16) 1,3-Butadiene	1.605	39	150122	13.766	ppbv	100
17) tert-Butyl alcohol	2.039	59	416362	13.787	ppbv	99
18) 1,1-Dichloroethene	2.029	96	131720	13.762	ppbv	99
19) Isopropyl Alcohol	1.884	45	179117	13.093	ppbv	100
20) Methylene Chloride	2.059	84	113183	12.533	ppbv	95
21) Allyl Chloride	2.094	41	239440	14.002	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	149455	13.362	ppbv	98
23) Vinyl Acetate	2.460	43	138419	13.736	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	298760	14.570	ppbv	99
25) Ethyl Acetate	2.832	43	871882	13.855	ppbv	100
26) Hexane	2.822	57	344636	14.178	ppbv	98
27) Carbon Disulfide	2.146	76	370022	14.196	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	216463	14.303	ppbv	95
29) Chloroform	2.845	83	508614	14.297	ppbv	100
30) Cyclohexane	3.852	84	296458	14.040	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	351945	14.262	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	547329	13.448	ppbv	99
34) 2-Butanone	2.554	43	497020	13.726	ppbv	99
35) Carbon Tetrachloride	3.758	117	543385	14.140	ppbv	100
36) Benzene	3.651	78	699549	14.131	ppbv	98
37) 1,2-Dichloroethane	3.214	62	416544	14.697	ppbv	99
38) Trichloroethene	4.541	130	283430	13.715	ppbv	98
39) 1,2-Dichloropropane	4.308	63	257891	14.304	ppbv	99
40) 1,4-Dioxane	4.577	88	124925	13.354	ppbv #	91
41) Tetrahydrofuran	3.049	42	294634	14.301	ppbv	100
42) Bromodichloromethane	4.483	83	587772	15.043	ppbv	99
43) Methyl Methacrylate	4.874	69	295300	14.130	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	1180275	14.108	ppbv	99
45) t-1,3-Dichloropropene	6.405	75	329360	14.649	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042178.D
 Acq On : 27 Mar 2025 11:36
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Quant Time: Mar 28 01:37:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 01:31:23 2025

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	400813	14.542	ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	273137	14.331	ppbv	98
48) Dibromochloromethane	7.383	129	482431	14.936	ppbv	100
49) Bromoform	9.480	173	427143	14.730	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	755146	13.155	ppbv	99
51) 2-Hexanone	7.431	43	619419	13.005	ppbv #	99
52) Tetrachloroethene	8.221	164	258356	13.159	ppbv	95
53) Toluene	6.926	91	829648	14.137	ppbv	100
54) 1,2-Dibromoethane	7.645	107	381823	14.359	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.920	131	365410	14.032	ppbv	99
57) Chlorobenzene	8.917	112	618201	13.777	ppbv	100
58) Ethyl Benzene	9.351	91	1167096	13.889	ppbv	97
59) m/p-Xylene	9.548	91	1857561m	27.651	ppbv	
60) o-Xylene	9.962	91	913234	13.577	ppbv	99
61) Styrene	9.865	104	474195	14.250	ppbv	99
62) Isopropylbenzene	10.535	105	1362416	13.544	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	551386	13.491	ppbv	99
64) n-propylbenzene	10.985	120	356118	13.753	ppbv	94
65) tert-Butylbenzene	11.529	119	1200149	12.901	ppbv	98
66) Benzyl Chloride	11.613	91	134397	13.615	ppbv	100
67) sec-Butylbenzene	11.765	105	1643629	12.711	ppbv	99
69) p-Isopropyltoluene	11.924	119	1437016	12.906	ppbv	98
70) n-Butylbenzene	12.280	91	1477443	12.975	ppbv	99
71) 2-Chlorotoluene	10.898	91	1071432	13.724	ppbv	99
72) 4-Ethyltoluene	11.121	105	1136415	13.569	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	979783	13.395	ppbv	99
74) 1,2,4-Trimethylbenzene	11.535	105	1048874	12.447	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	626015	13.545	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	628694	13.668	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	602844	13.396	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	556392	12.147	ppbv	99
79) Naphthalene	13.513	128	1258479	13.653	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	718900	16.018	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	598416	14.075	ppbv	99

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

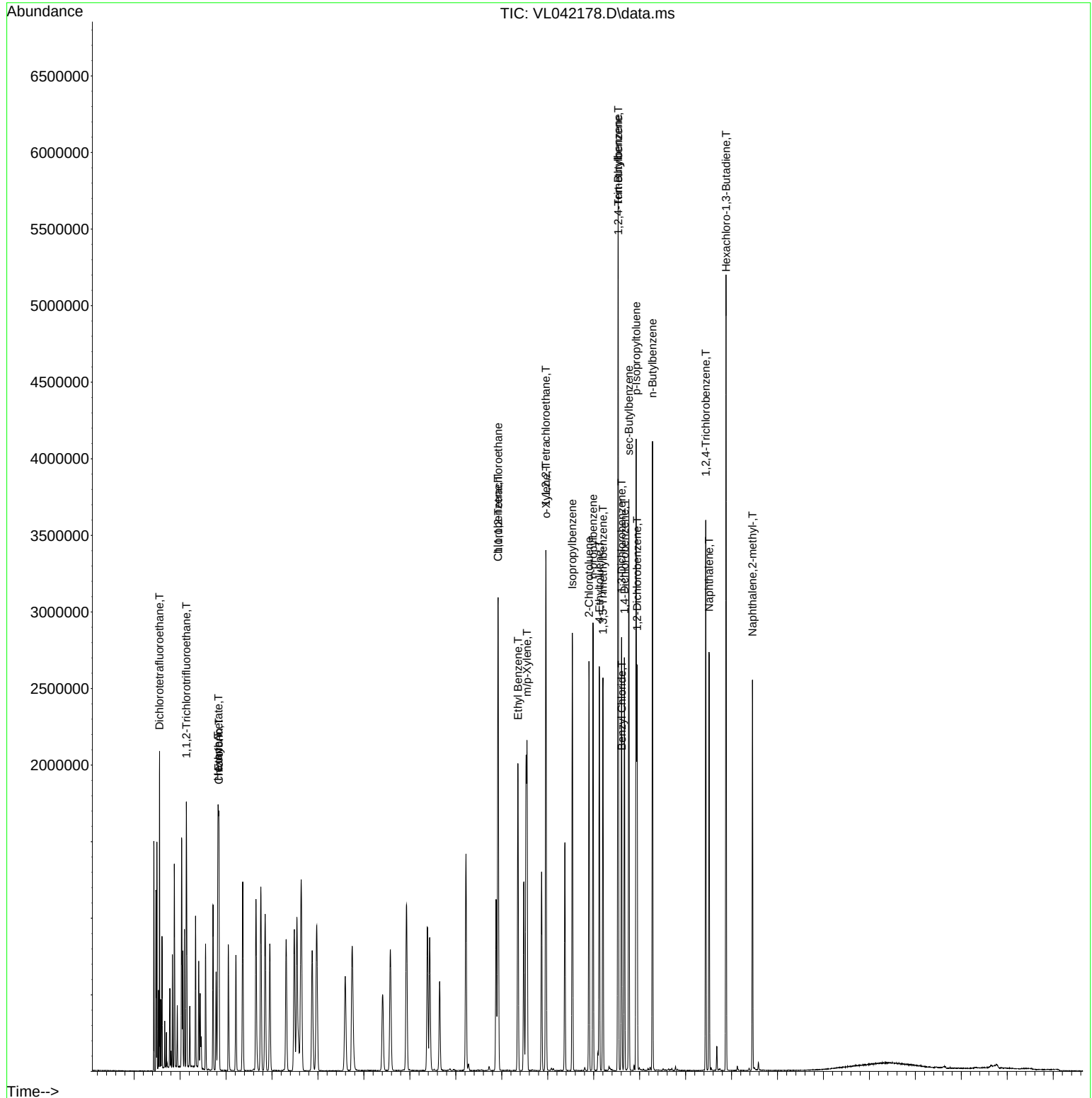
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042178.D
Acq On : 27 Mar 2025 11:36
Operator : SY/MD
Sample : VSTDIC015
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

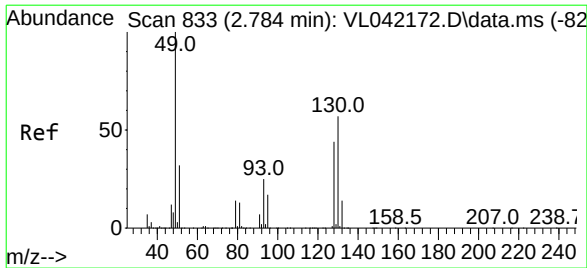
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

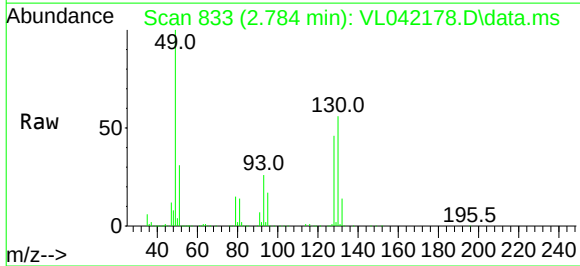
Quant Time: Mar 28 01:37:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

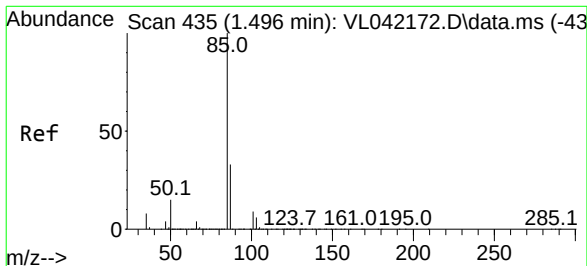
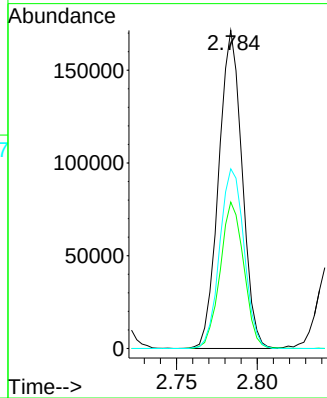
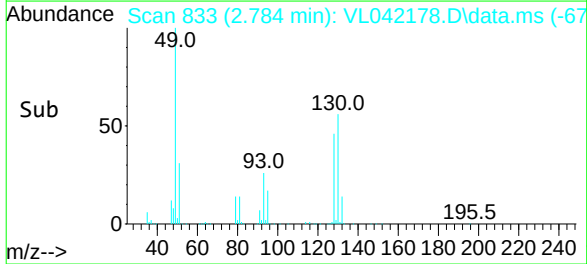
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 49 Resp: 173372
Ion Ratio Lower Upper
49 100
128 46.4 22.9 68.5
130 58.7 28.8 86.4

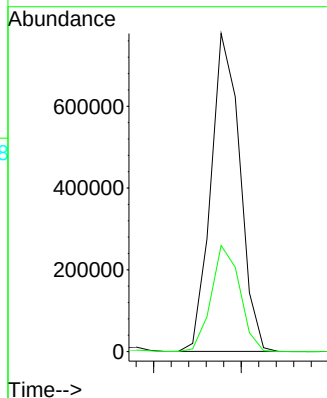
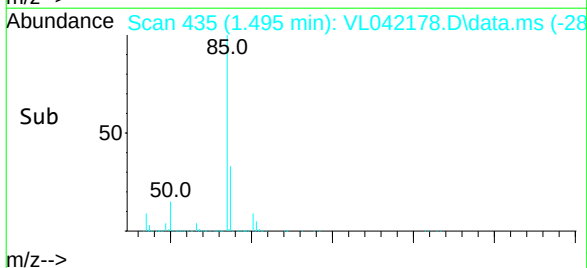
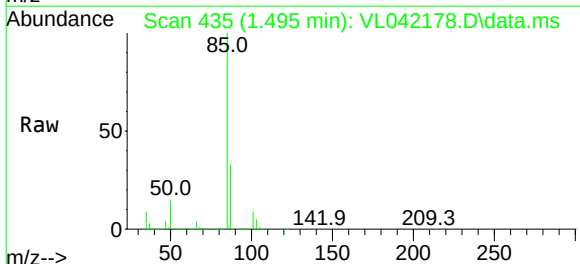
Manual Integrations
APPROVED

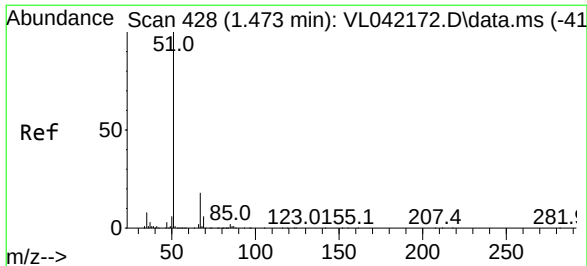
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#2
Dichlorodifluoromethane
Concen: 14.023 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

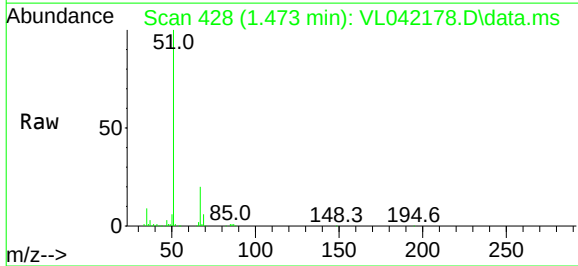
Tgt Ion: 85 Resp: 358962
Ion Ratio Lower Upper
85 100
87 33.4 26.1 39.1





#3
Chlorodifluoromethane
Concen: 14.002 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

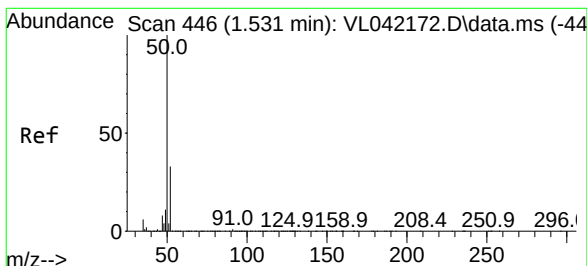
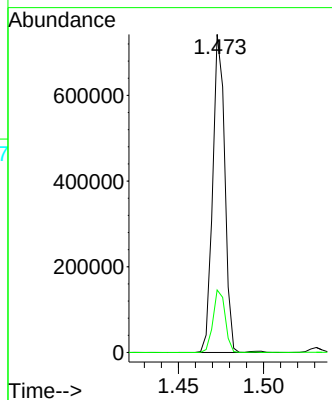
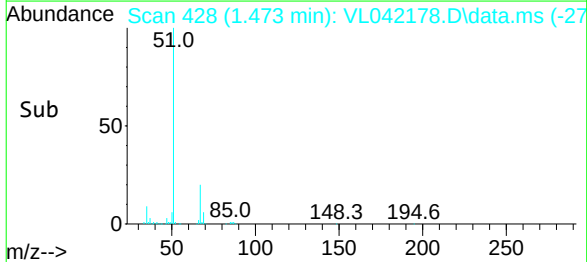
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



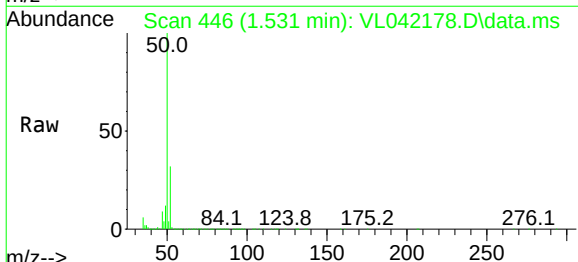
Tgt Ion: 51 Resp: 366164
Ion Ratio Lower Upper
51 100
67 19.8 15.0 22.6

Manual Integrations
APPROVED

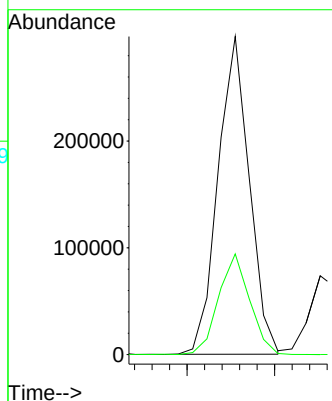
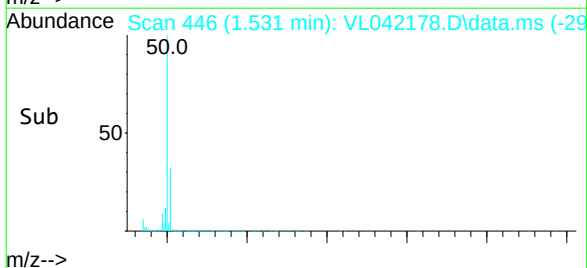
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

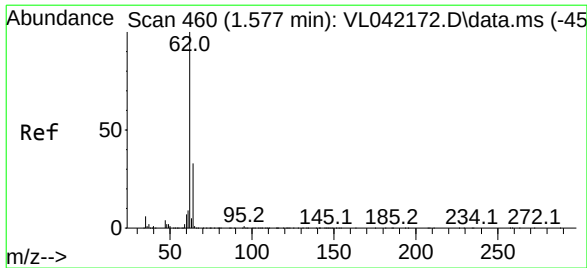


#4
Chloromethane
Concen: 14.160 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



Tgt Ion: 50 Resp: 148133
Ion Ratio Lower Upper
50 100
52 31.6 26.1 39.1





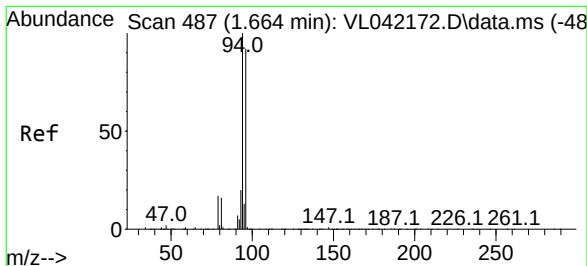
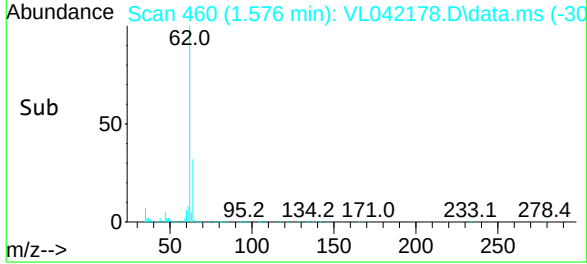
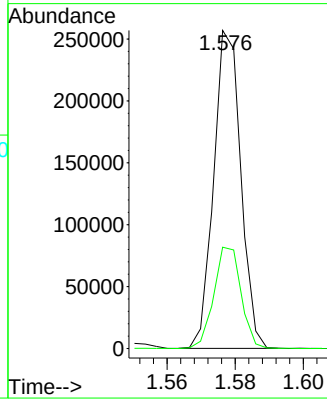
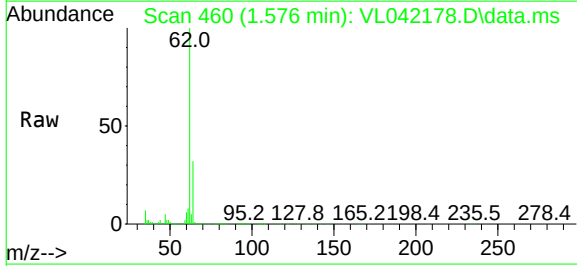
#5
 Vinyl Chloride
 Concen: 13.304 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Tgt Ion: 62 Resp: 141938
 Ion Ratio Lower Upper
 62 100
 64 31.9 26.6 40.0

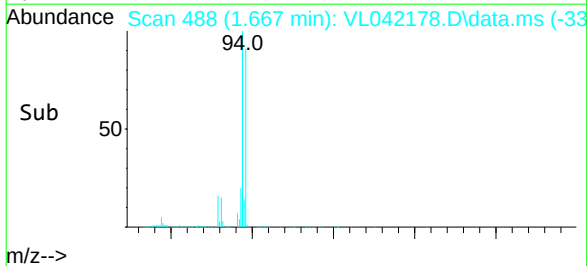
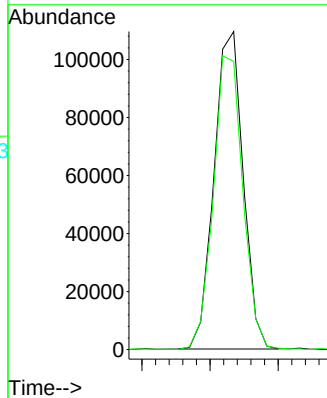
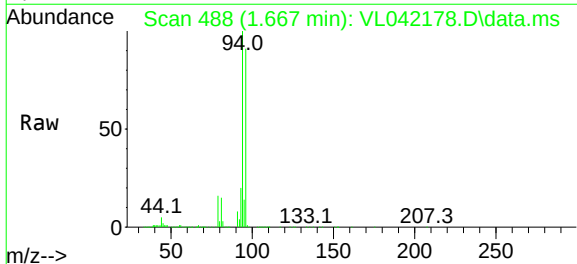
Manual Integrations
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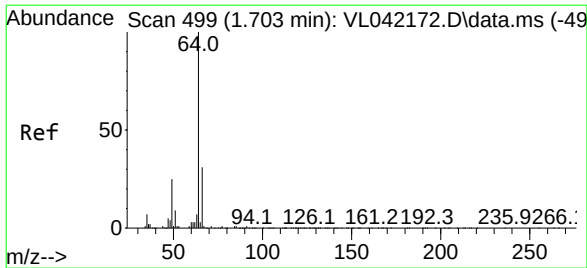
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 13.734 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Tgt Ion: 94 Resp: 65113
 Ion Ratio Lower Upper
 94 100
 96 90.7 73.1 109.7





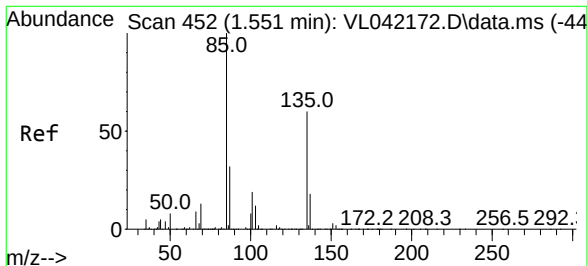
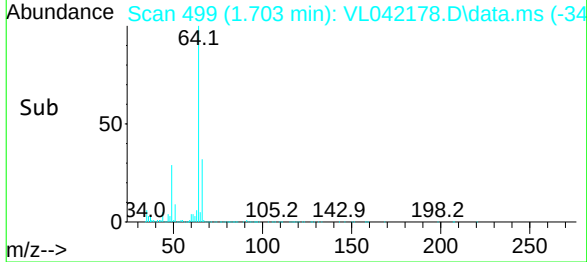
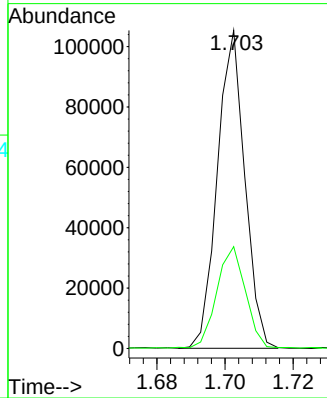
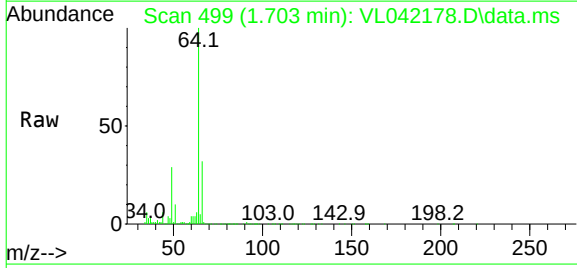
#7
Chloroethane
Concen: 14.007 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 58820
Ion Ratio Lower Upper
64 100
66 32.0 25.2 37.8

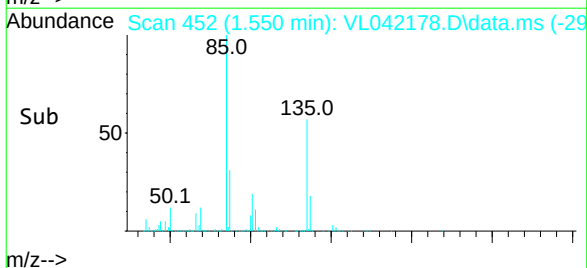
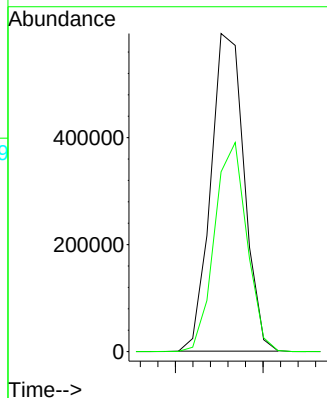
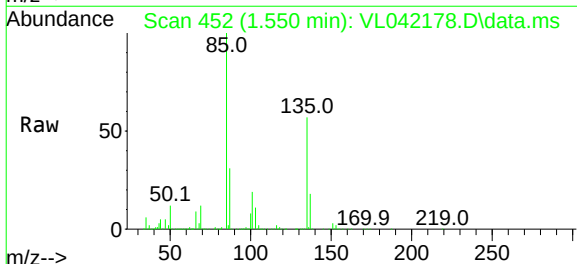
Manual Integrations
APPROVED

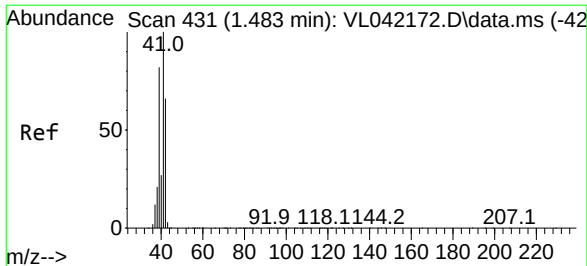
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 14.442 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

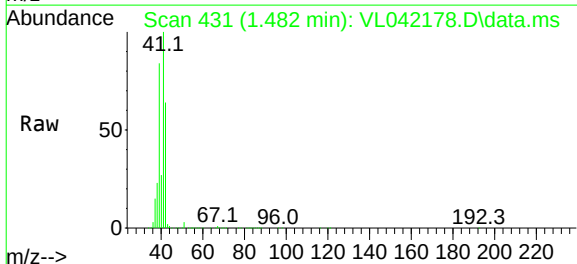
Tgt Ion: 85 Resp: 314834
Ion Ratio Lower Upper
85 100
135 63.8 52.4 78.6





#9
 Propene
 Concen: 13.902 ppbv
 RT: 1.482 min Scan# 431
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

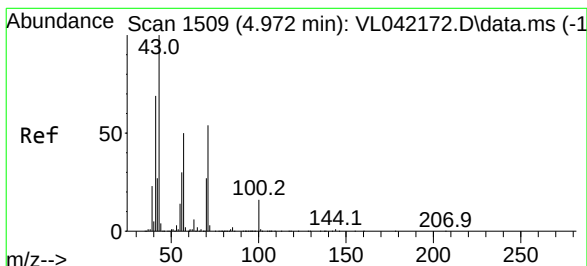
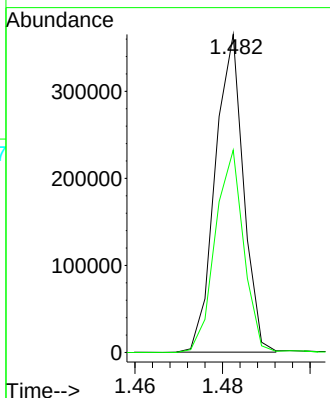
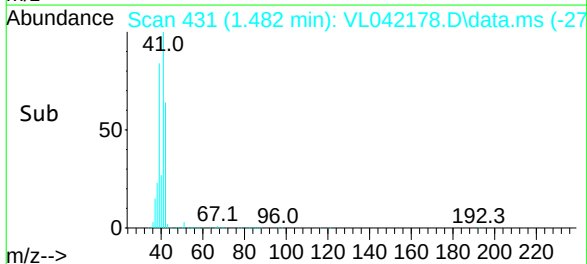
Instrument : MSVOA_L
 ClientSampleId : VSTDIC015



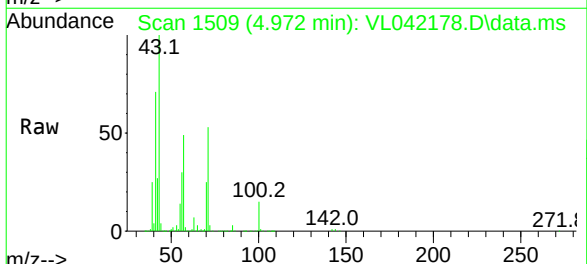
Tgt Ion: 41 Resp: 163799
 Ion Ratio Lower Upper
 41 100
 42 65.3 55.4 83.2

Manual Integrations
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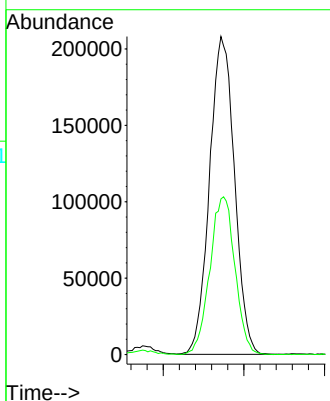
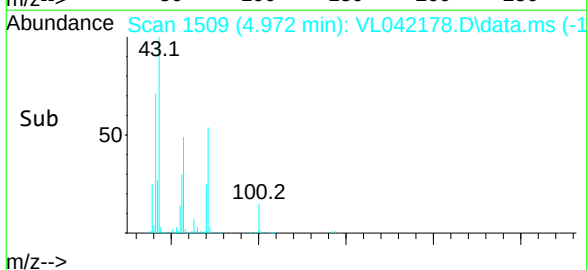
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

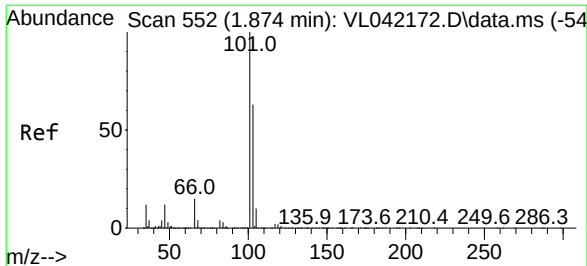


#10
 Heptane
 Concen: 14.019 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36



Tgt Ion: 43 Resp: 446949
 Ion Ratio Lower Upper
 43 100
 57 49.9 39.4 59.2





#11

Trichlorofluoromethane

Concen: 14.050 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:101 Resp: 349967

Ion Ratio Lower Upper

101 100

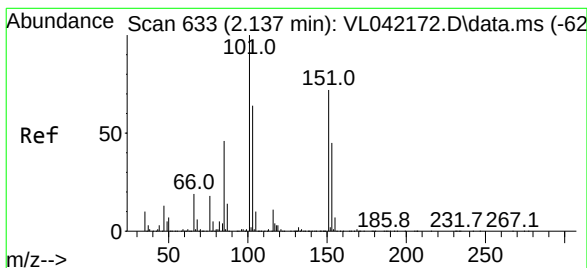
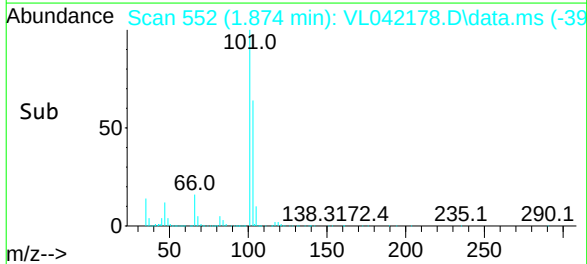
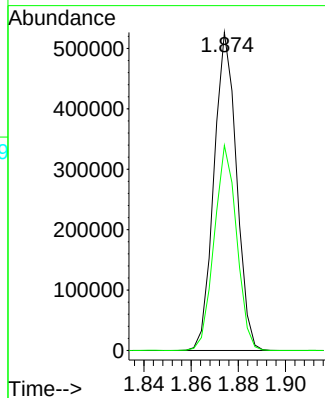
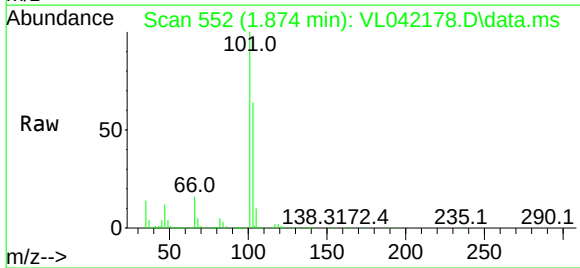
103 64.5 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 14.419 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL042178.D

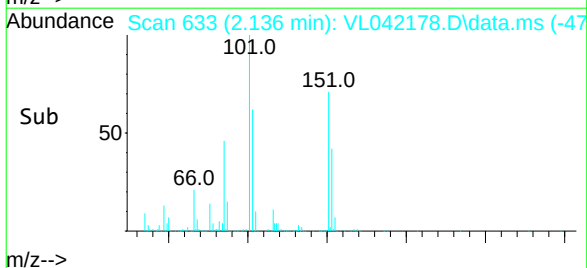
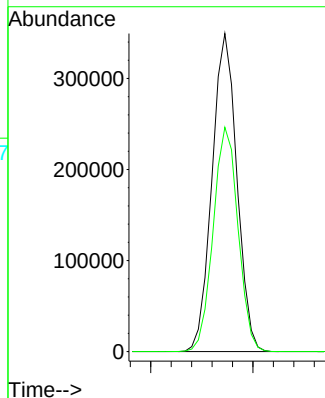
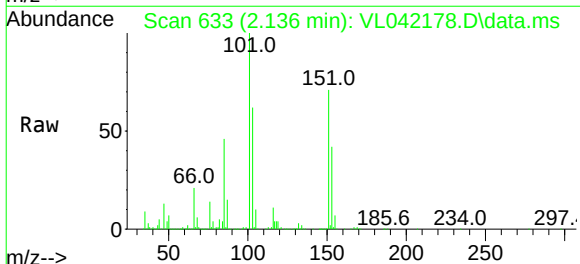
Acq: 27 Mar 2025 11:36

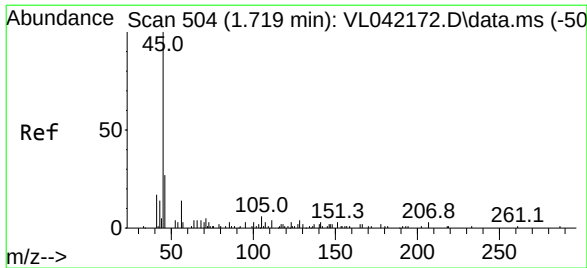
Tgt Ion:101 Resp: 295217

Ion Ratio Lower Upper

101 100

151 70.4 57.1 85.7





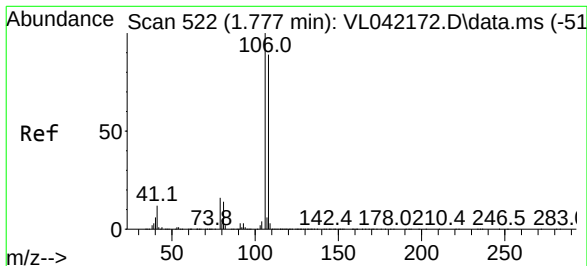
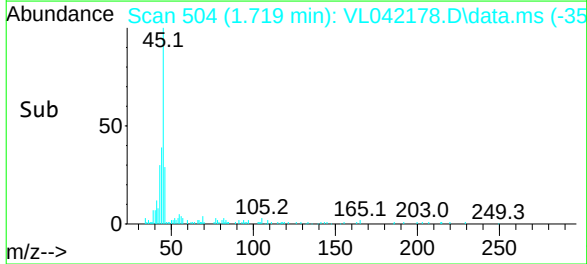
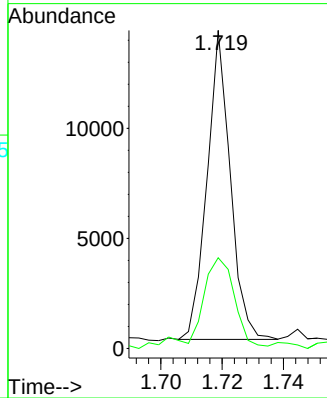
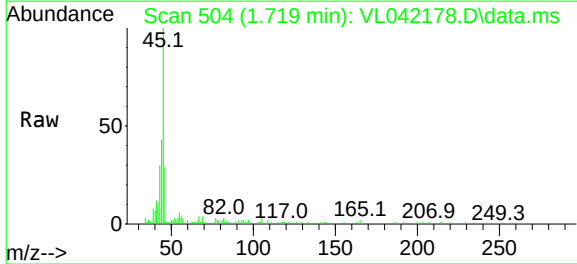
#13
Ethanol
Concen: 8.001 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument : MSVOA_L
ClientSampleId : VSTDIC015

Tgt Ion: 45 Resp: 7382
Ion Ratio Lower Upper
45 100
46 44.6 20.2 80.8

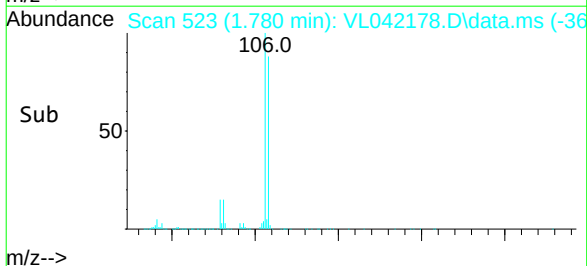
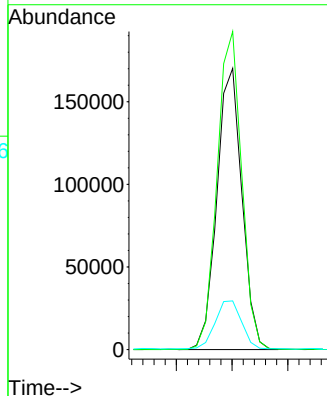
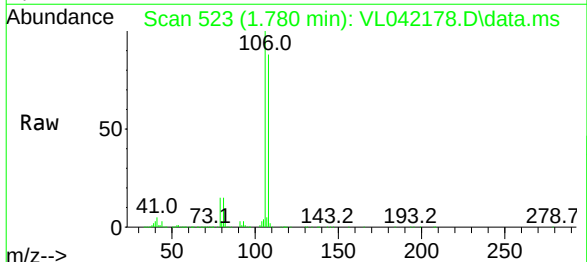
Manual Integrations
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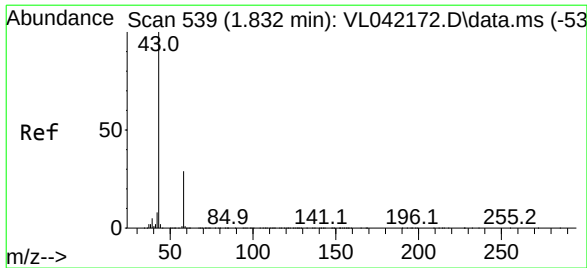
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 13.571 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:108 Resp: 106436
Ion Ratio Lower Upper
108 100
106 110.9 86.8 130.2
79 18.8 15.0 22.6





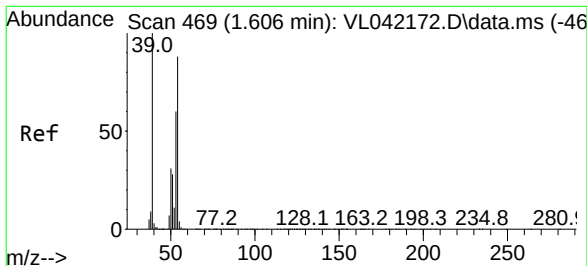
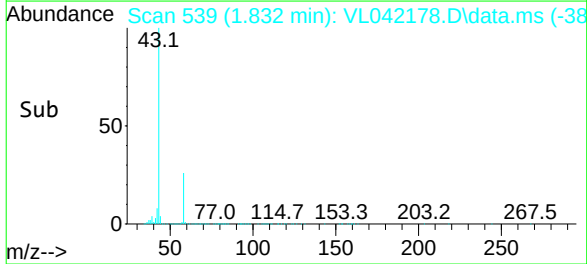
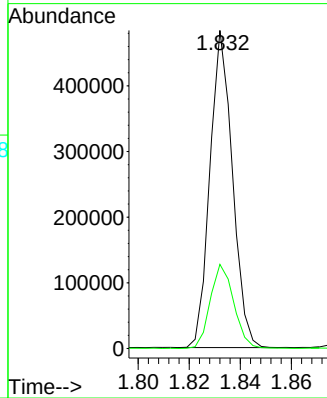
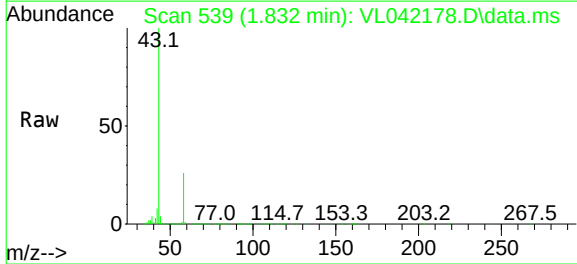
#15
Acetone
Concen: 12.218 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 296254
Ion Ratio Lower Upper
43 100
58 27.7 23.2 34.8

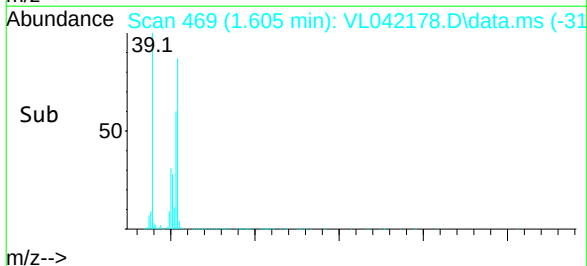
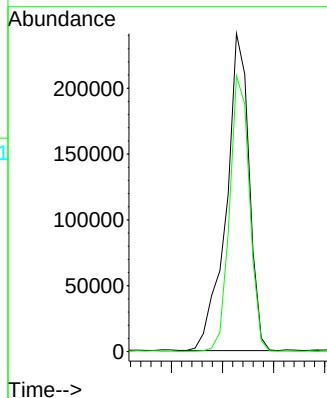
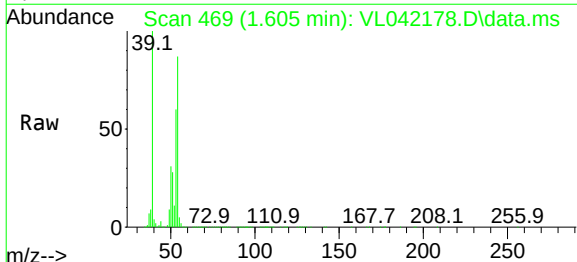
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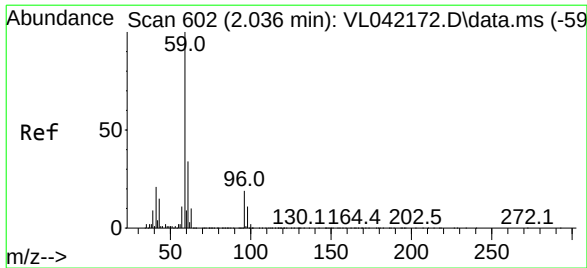
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 13.766 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 39 Resp: 150122
Ion Ratio Lower Upper
39 100
54 76.3 60.7 91.1





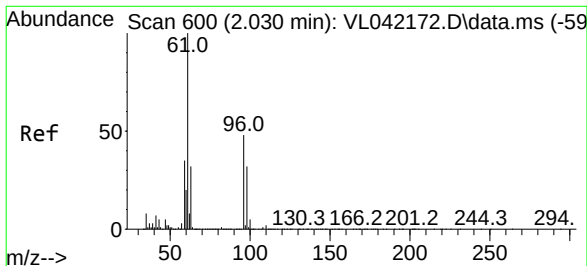
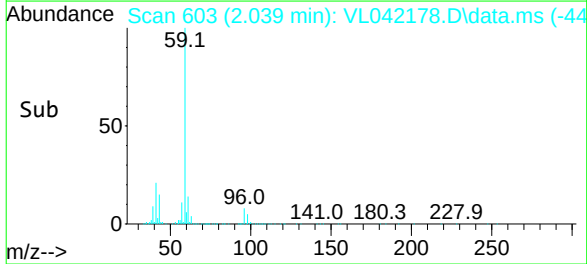
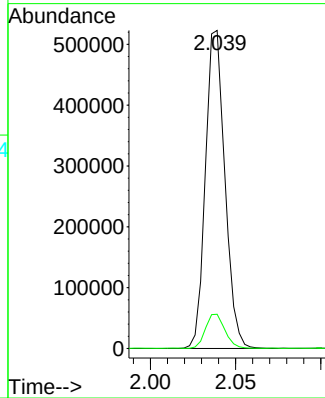
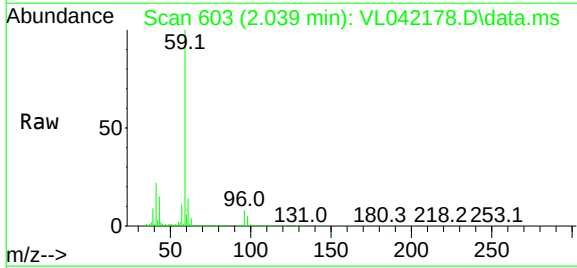
#17
tert-Butyl alcohol
Concen: 13.787 ppbv
RT: 2.039 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 59 Resp: 416362
Ion Ratio Lower Upper
59 100
57 10.8 8.9 13.3

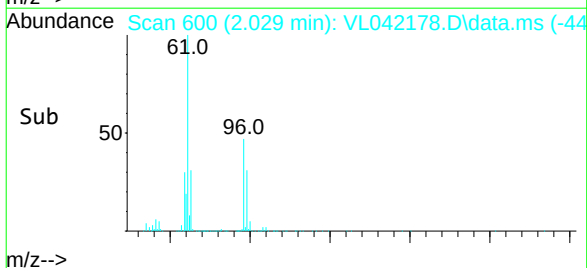
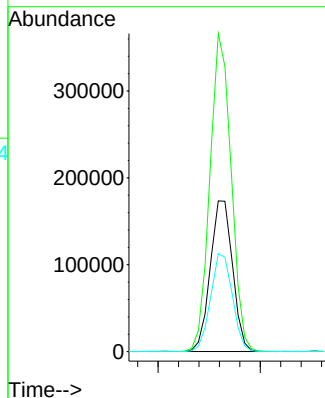
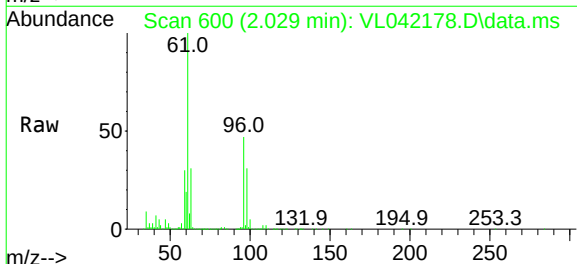
Manual Integrations
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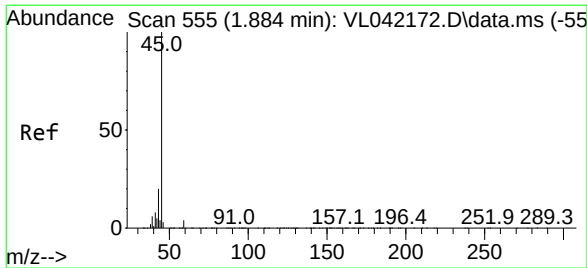
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#18
1,1-Dichloroethene
Concen: 13.762 ppbv
RT: 2.029 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

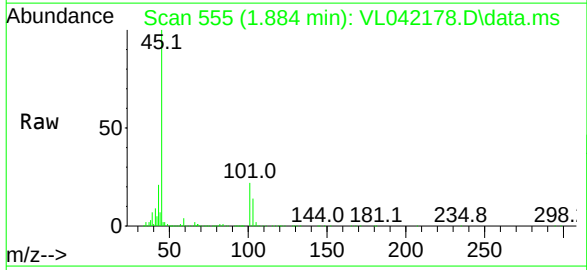
Tgt Ion: 96 Resp: 131720
Ion Ratio Lower Upper
96 100
61 211.1 167.6 251.4
98 64.9 53.5 80.3





#19
Isopropyl Alcohol
Concen: 13.093 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

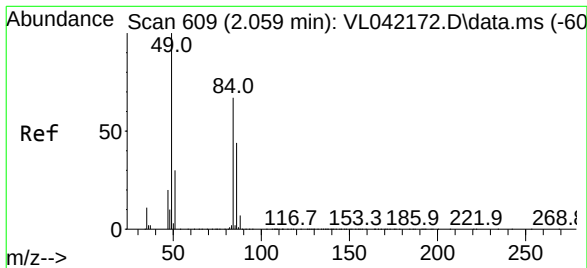
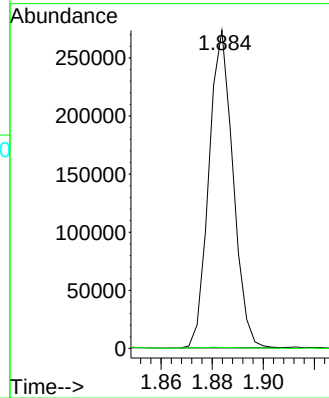
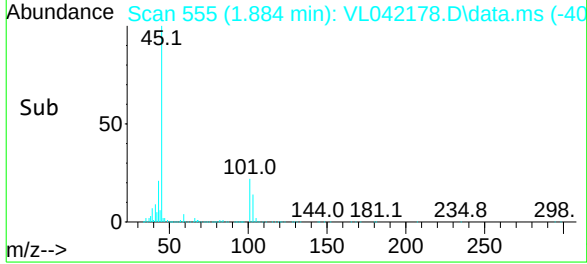
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 45 Resp: 179117
Ion Ratio Lower Upper
45 100
58 46.4 36.9 55.3

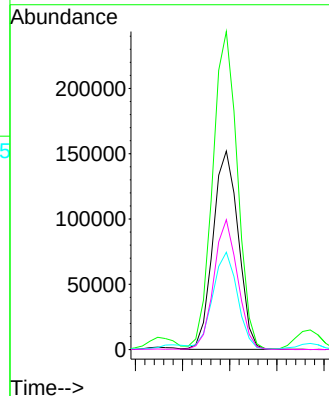
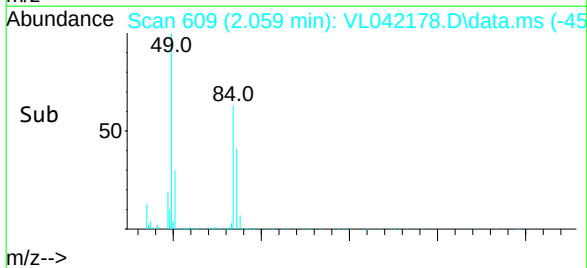
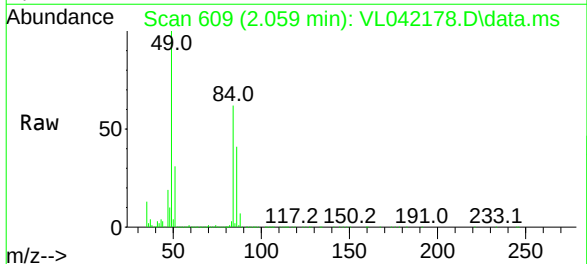
Manual Integrations
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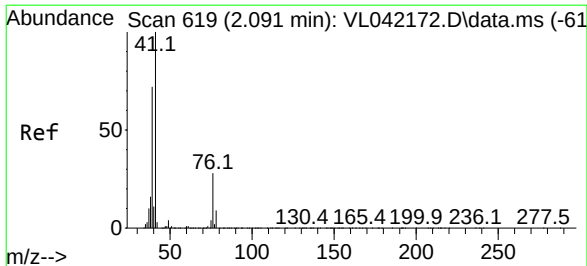
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 12.533 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 84 Resp: 113183
Ion Ratio Lower Upper
84 100
49 159.7 120.2 180.4
51 48.7 37.4 56.0
86 65.3 52.4 78.6





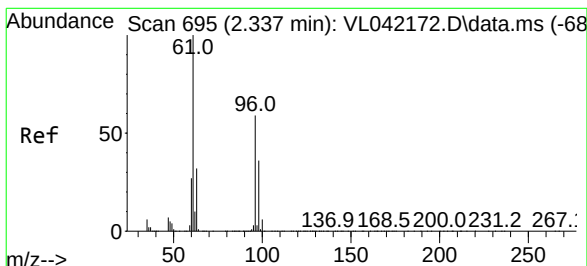
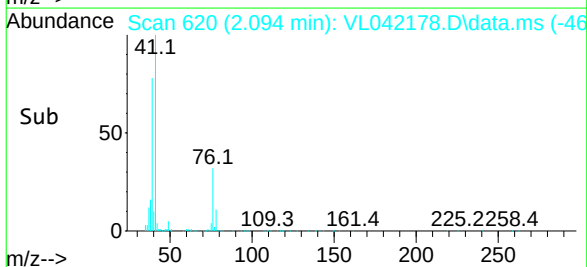
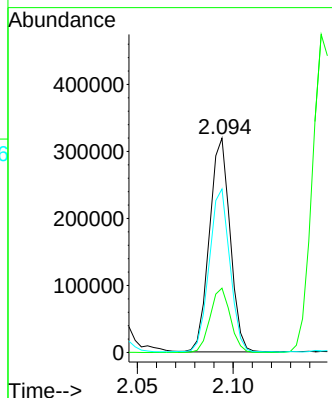
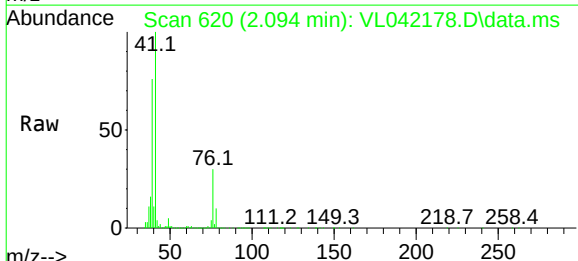
#21
 Allyl Chloride
 Concen: 14.002 ppbv
 RT: 2.094 min Scan# 621
 Delta R.T. 0.003 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.1	36.1
39	76.1	61.1	91.7

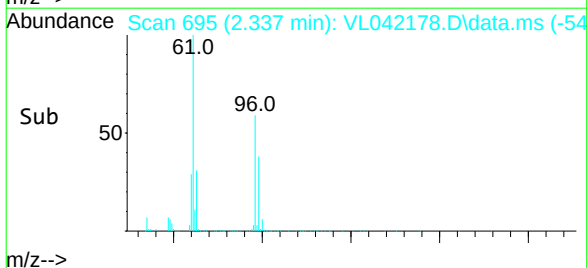
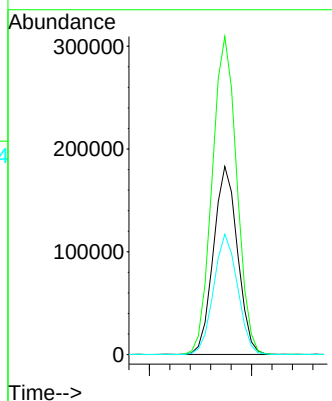
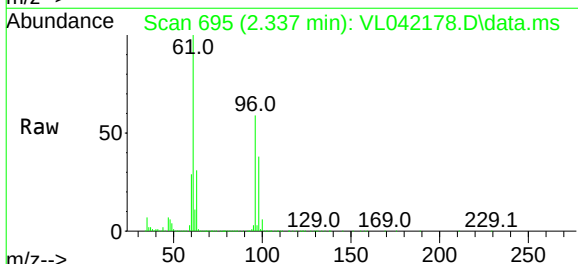
Manual Integrations
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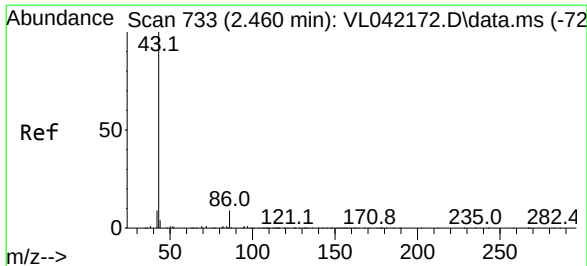
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#22
 trans-1,2-Dichloroethene
 Concen: 13.362 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.2	136.6	204.8
98	63.9	49.4	74.2





#23

Vinyl Acetate

Concen: 13.736 ppbv

RT: 2.460 min Scan# 733

Delta R.T. -0.000 min

Lab File: VL042178.D

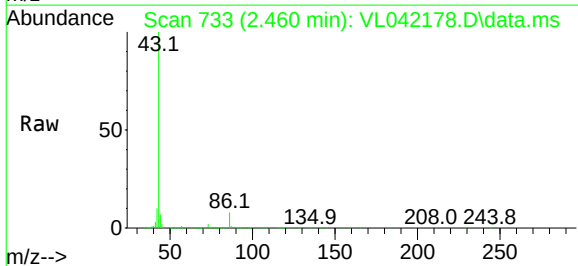
Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



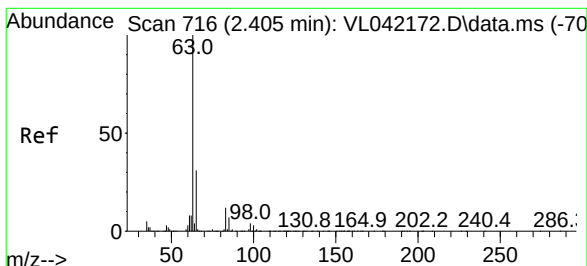
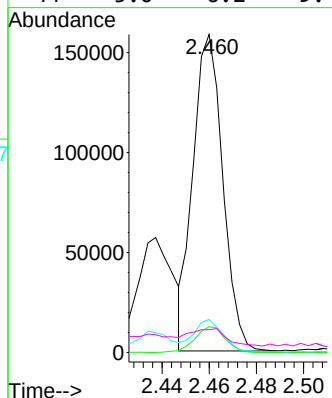
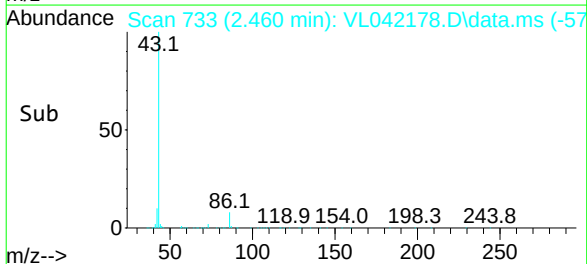
Tgt Ion:	43	Resp:	138419
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.1	8.6	13.0
44	5.0	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#24

1,1-Dichloroethane

Concen: 14.570 ppbv

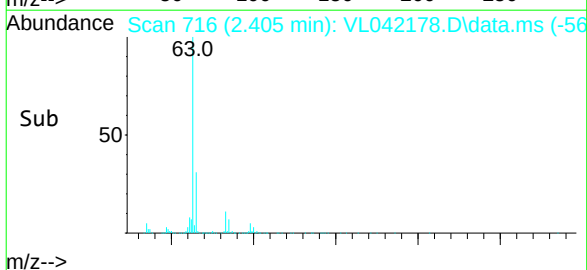
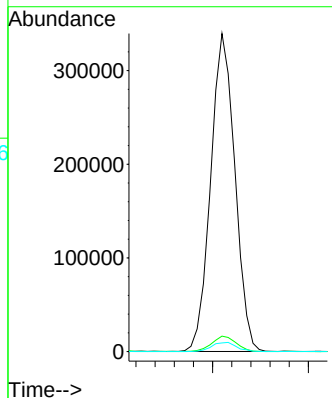
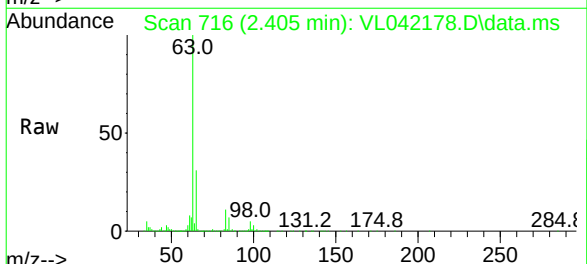
RT: 2.405 min Scan# 716

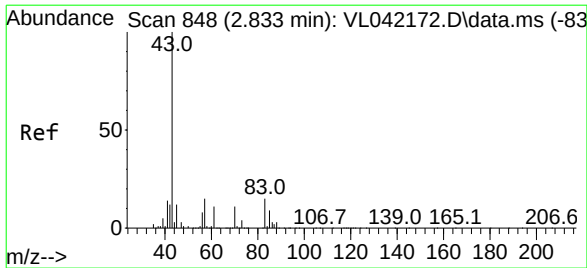
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

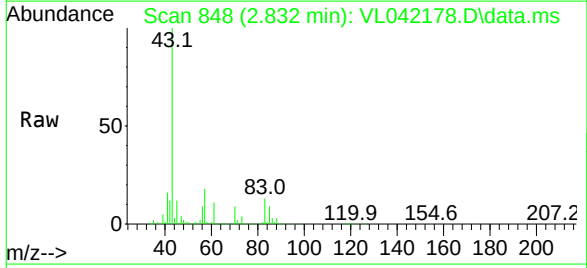
Tgt Ion:	63	Resp:	298760
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	2.7	1.6	4.7





#25
Ethyl Acetate
Concen: 13.855 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

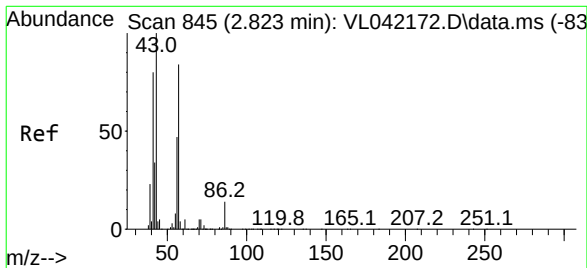
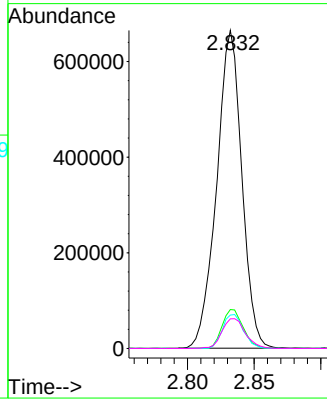
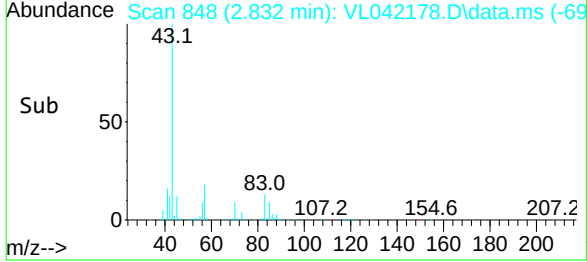
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



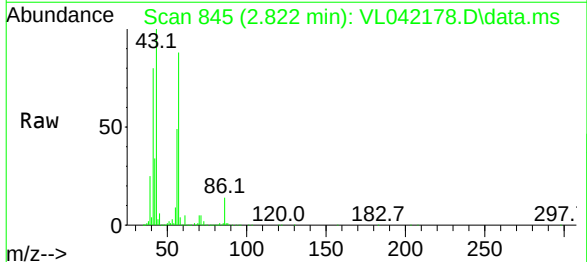
Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	9.0	7.3	10.9
70	8.8	7.2	10.8

Manual Integrations
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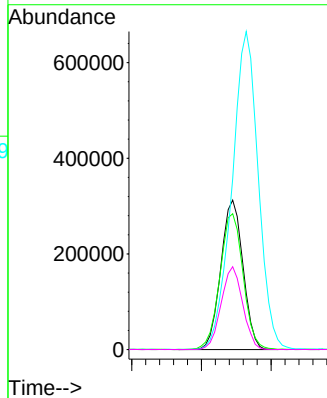
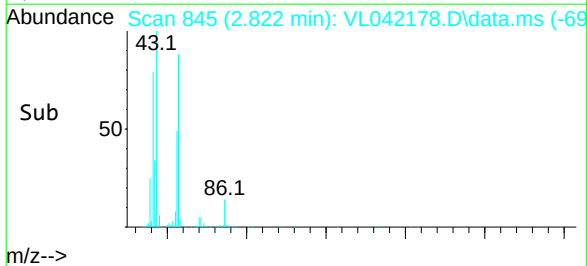
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

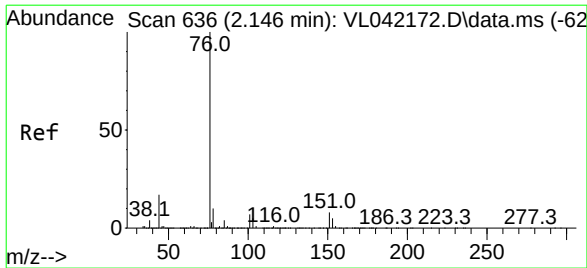


#26
Hexane
Concen: 14.178 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



Tgt Ion	Ratio	Lower	Upper
57	100		
41	96.1	76.6	114.8
43	254.0	207.8	311.8
56	53.9	43.6	65.4





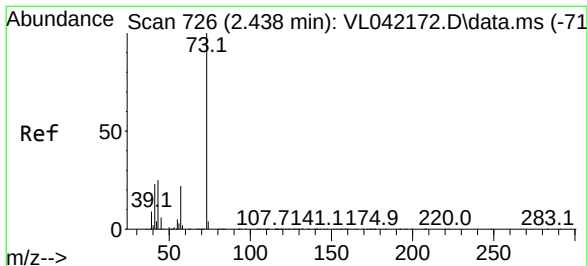
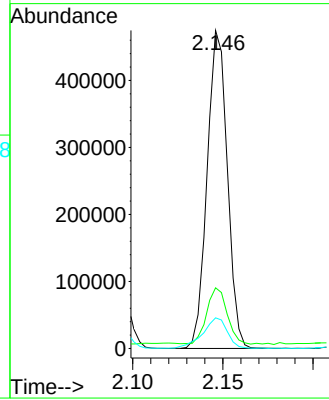
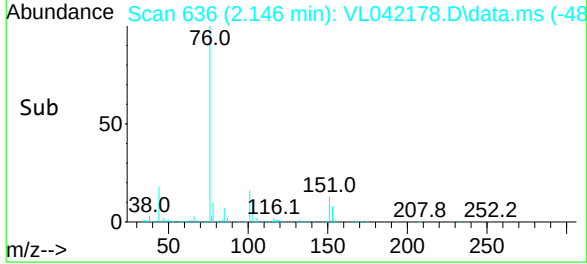
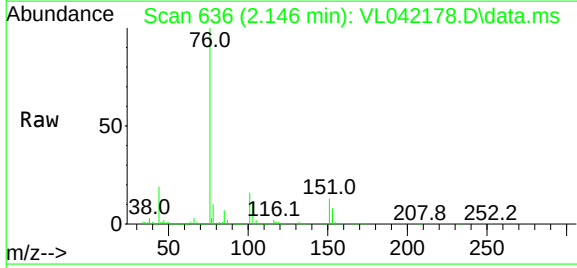
#27
Carbon Disulfide
Concen: 14.196 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 76 Resp: 370022
Ion Ratio Lower Upper
76 100
44 20.3 14.7 22.1
78 11.7 9.3 13.9

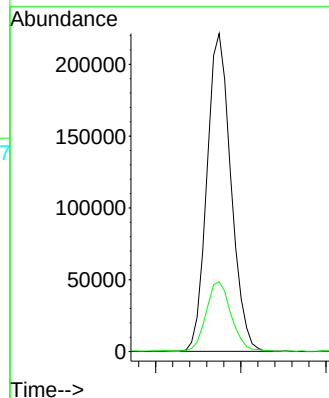
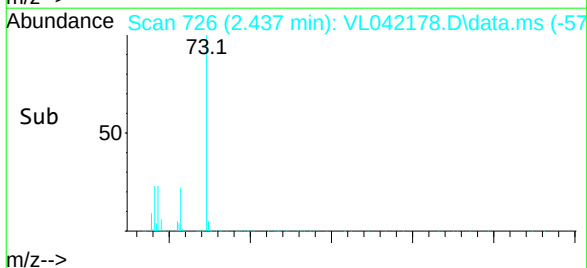
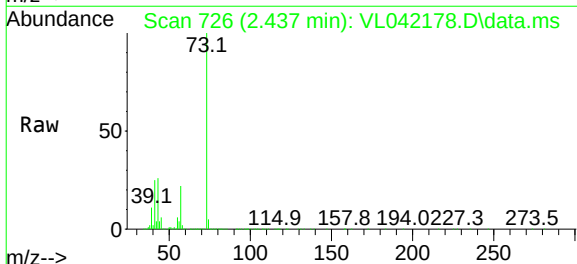
Manual Integrations
APPROVED

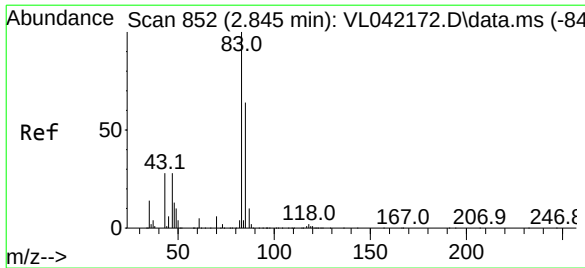
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#28
Methyl tert-Butyl Ether
Concen: 14.303 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

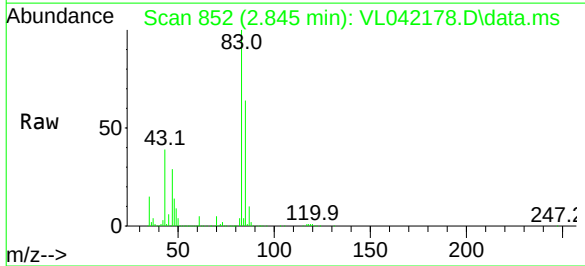
Tgt Ion: 73 Resp: 216463
Ion Ratio Lower Upper
73 100
57 23.2 20.5 30.7





#29
Chloroform
Concen: 14.297 ppbv
RT: 2.845 min Scan# 85
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

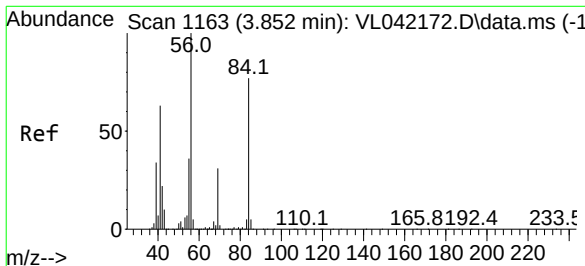
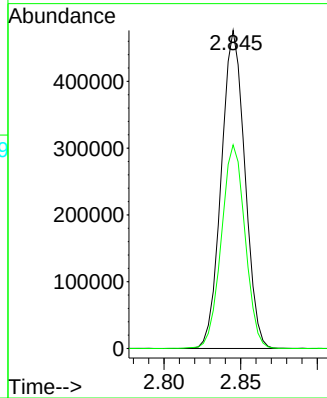
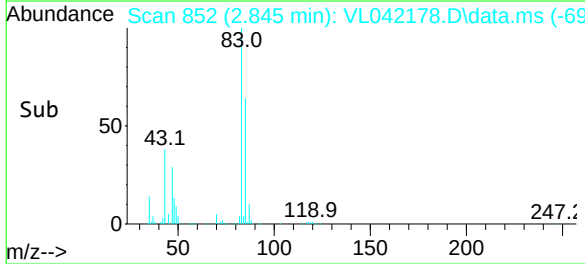
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



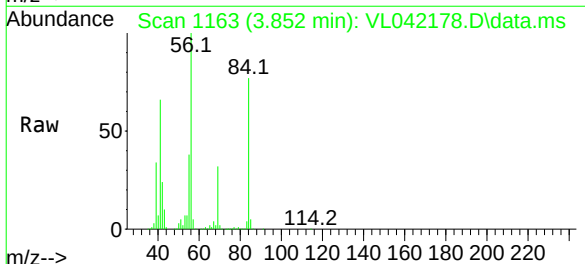
Tgt Ion: 83 Resp: 508614
Ion Ratio Lower Upper
83 100
85 64.0 51.4 77.2

Manual Integrations
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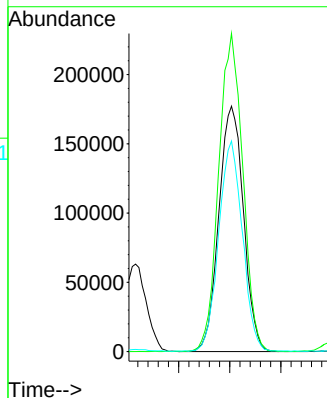
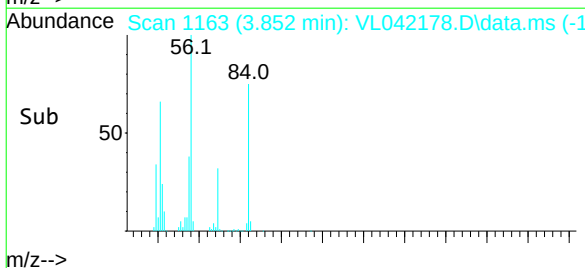
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

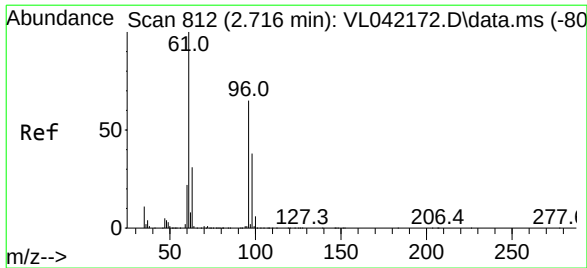


#30
Cyclohexane
Concen: 14.040 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



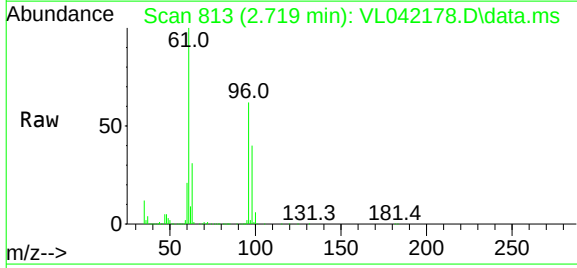
Tgt Ion: 84 Resp: 296458
Ion Ratio Lower Upper
84 100
56 126.7 102.8 154.2
41 82.6 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 14.262 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

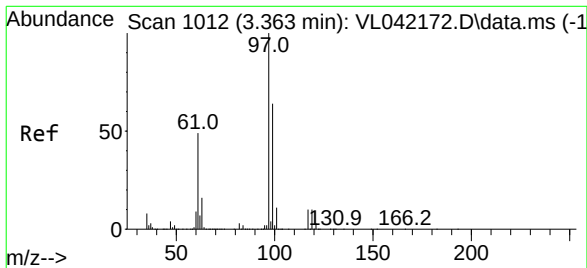
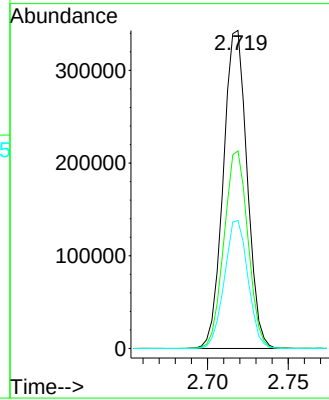
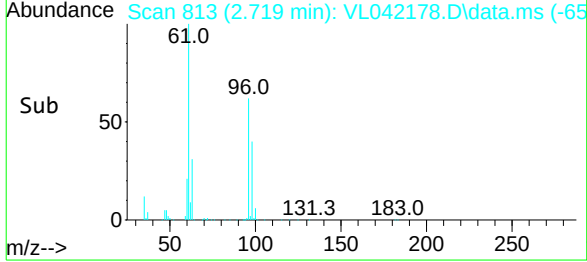
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



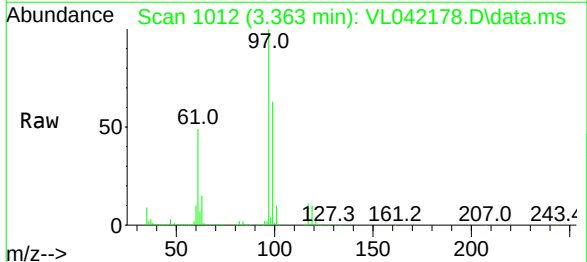
Tgt Ion: 61 Resp: 351945
 Ion Ratio Lower Upper
 61 100
 96 62.1 51.8 77.8
 98 40.2 30.6 46.0

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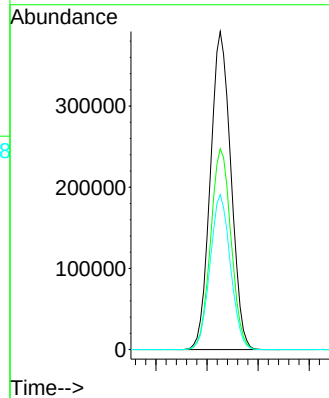
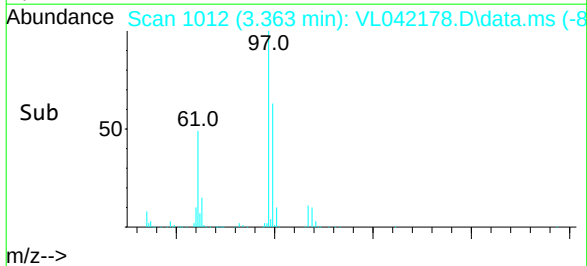
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

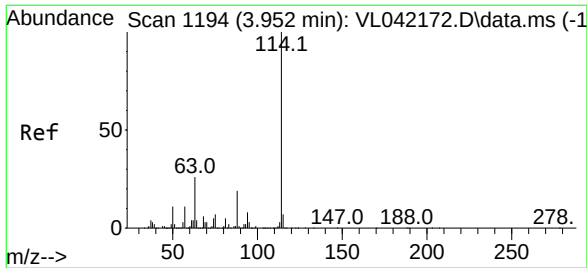


#32
 1,1,1-Trichloroethane
 Concen: 13.448 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.000 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36



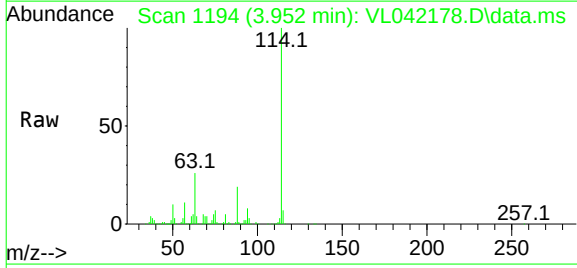
Tgt Ion: 97 Resp: 547329
 Ion Ratio Lower Upper
 97 100
 99 62.8 51.5 77.3
 61 48.4 38.7 58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

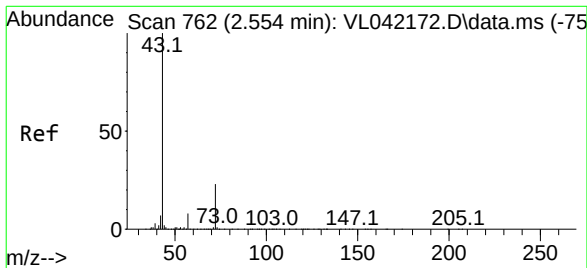
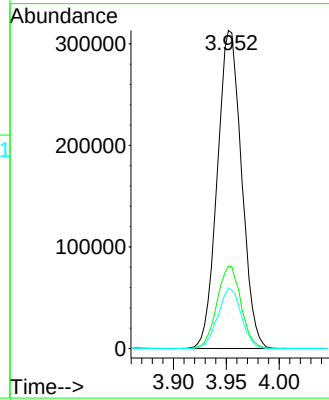
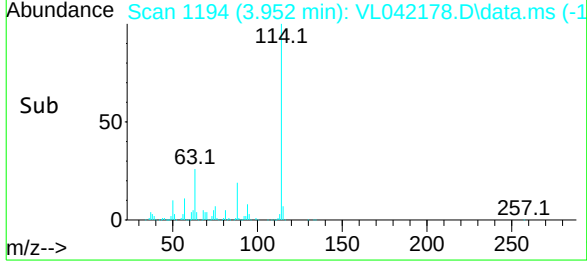
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



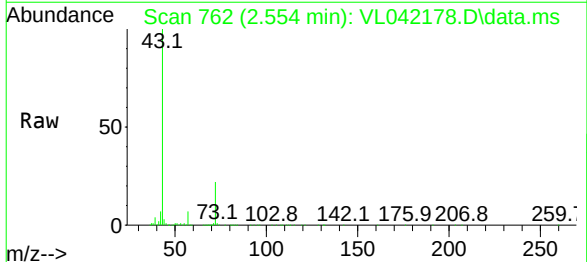
Tgt Ion: 114 Resp: 499360
Ion Ratio Lower Upper
114 100
63 25.7 20.7 31.1
88 18.4 15.0 22.4

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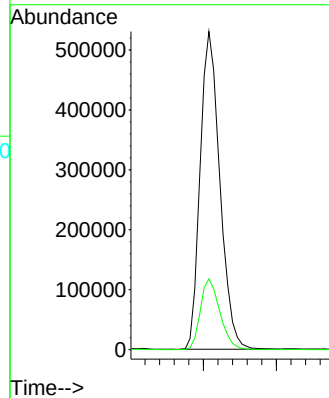
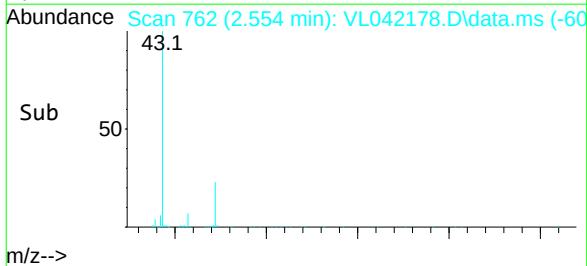
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

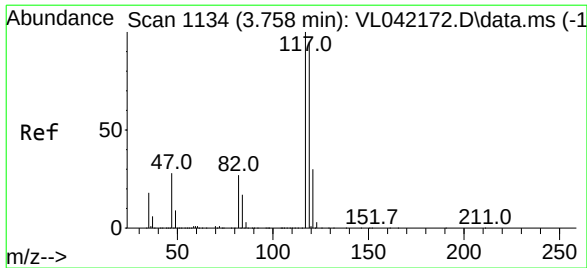


#34
2-Butanone
Concen: 13.726 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



Tgt Ion: 43 Resp: 497020
Ion Ratio Lower Upper
43 100
72 22.0 18.2 27.2





#35

Carbon Tetrachloride

Concen: 14.140 ppbv

RT: 3.758 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

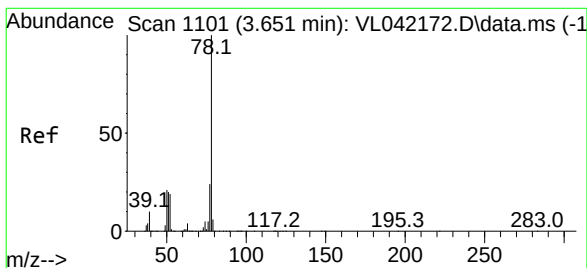
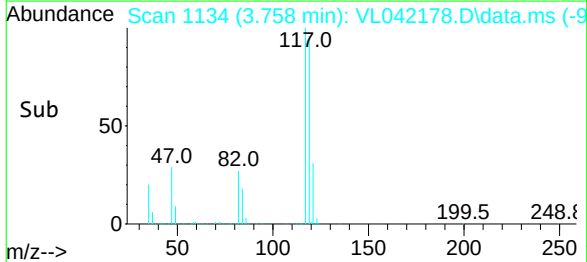
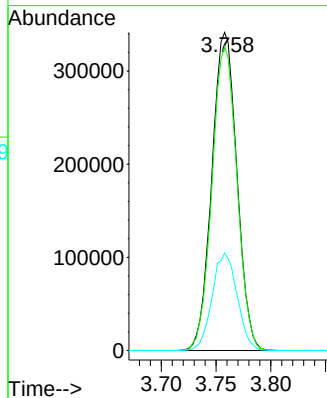
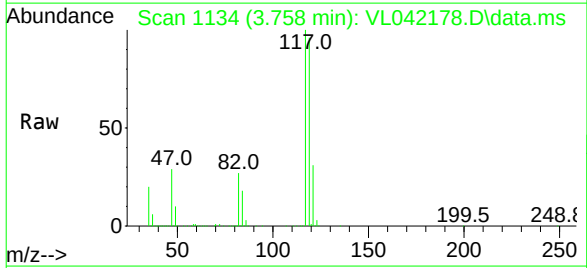
VSTDIC015

Tgt Ion:	117	Resp:	543385
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	30.6	24.2	36.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#36

Benzene

Concen: 14.131 ppbv

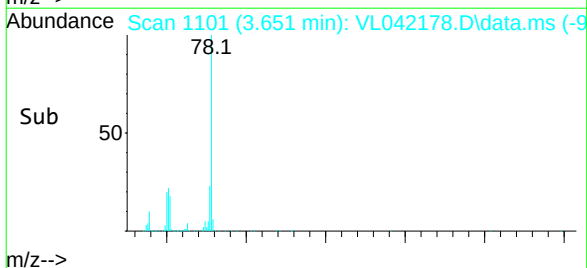
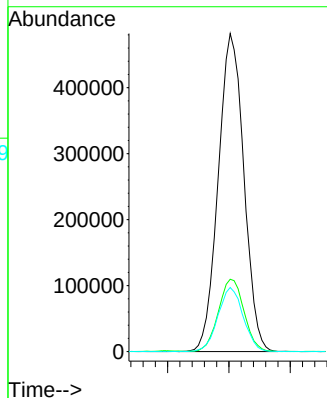
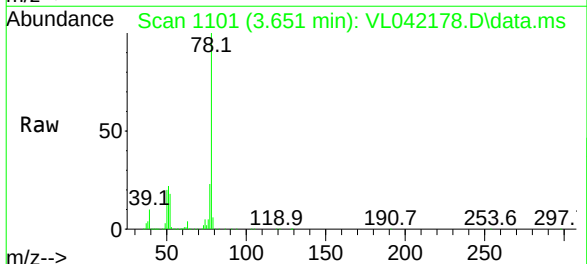
RT: 3.651 min Scan# 1101

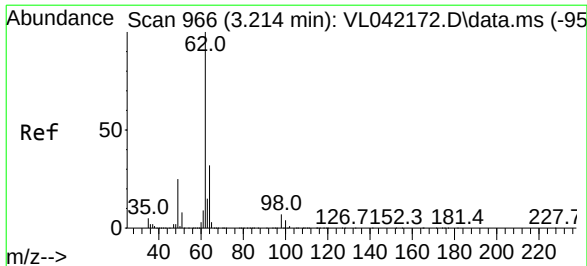
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:	78	Resp:	699549
Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7
50	20.1	16.6	24.8





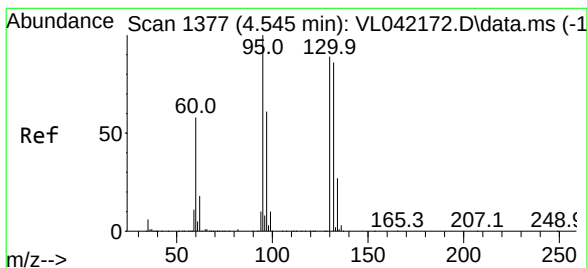
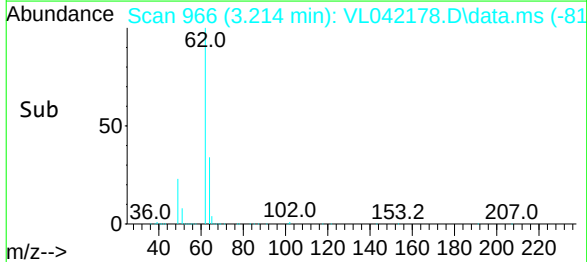
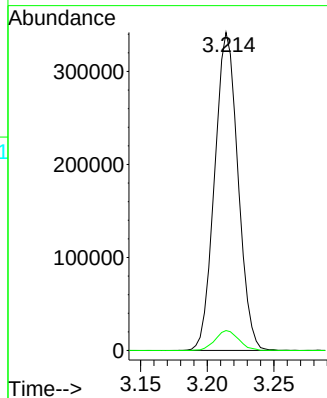
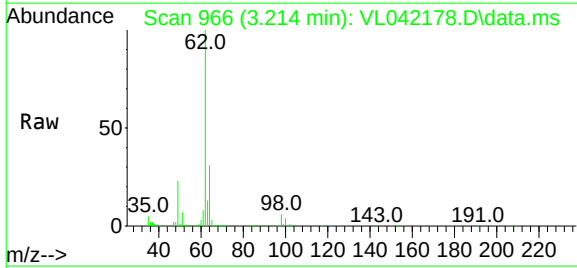
#37
1,2-Dichloroethane
Concen: 14.697 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 62 Resp: 416544
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.2

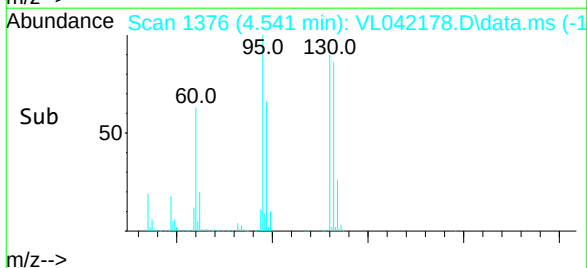
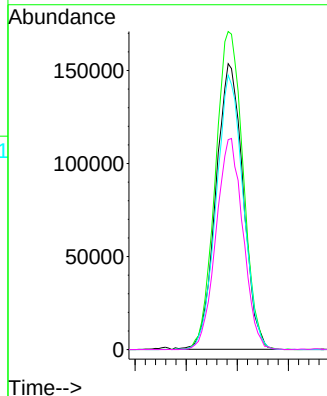
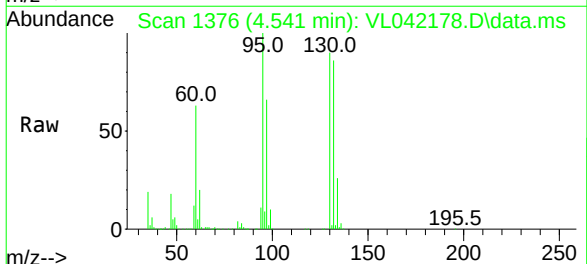
Manual Integrations
APPROVED

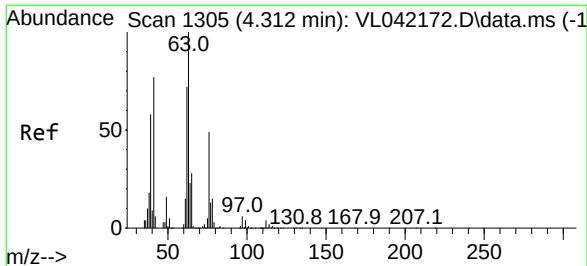
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 13.715 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:130 Resp: 283430
Ion Ratio Lower Upper
130 100
95 111.3 89.8 134.8
132 96.0 77.4 116.2
97 73.5 55.1 82.7





#39

1,2-Dichloropropane

Concen: 14.304 ppbv

RT: 4.308 min Scan# 13

Delta R.T. -0.004 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 257891

Ion Ratio Lower Upper

63 100

41 78.7 61.7 92.5

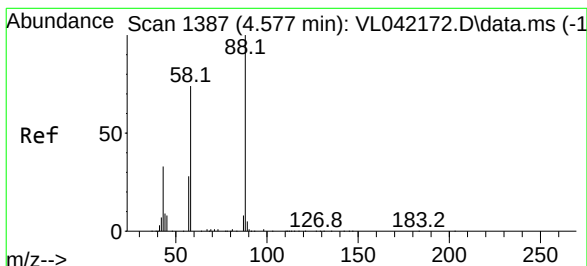
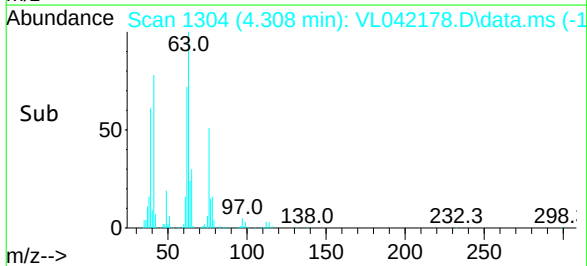
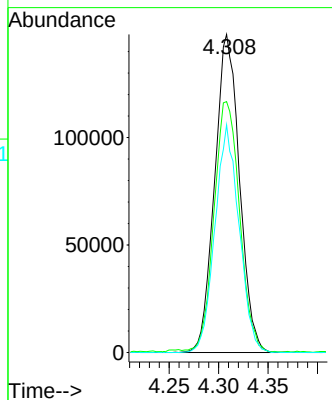
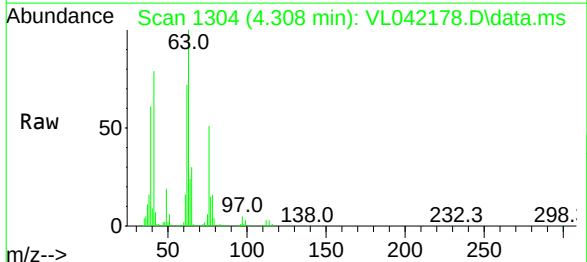
62 71.6 57.6 86.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#40

1,4-Dioxane

Concen: 13.354 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion: 88 Resp: 124925

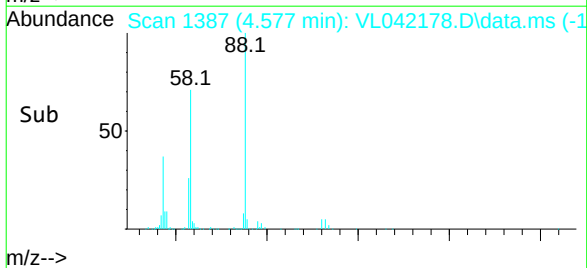
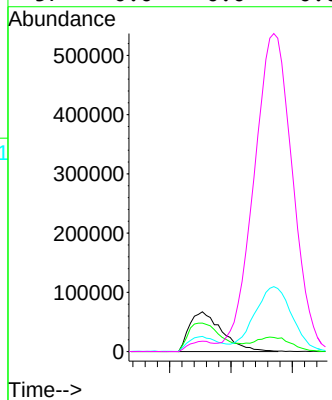
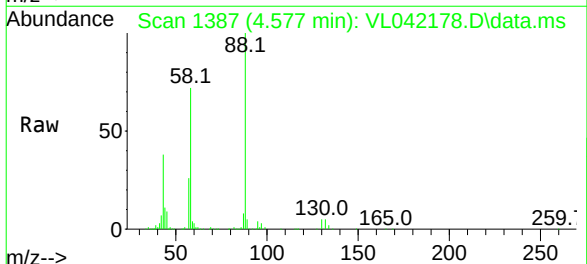
Ion Ratio Lower Upper

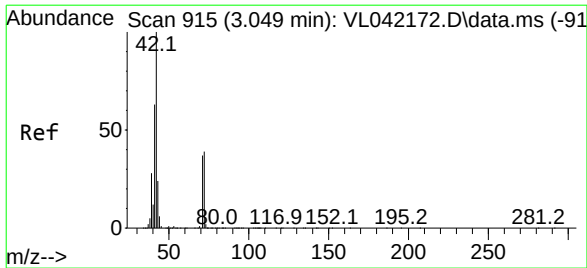
88 100

58 69.6 62.7 94.1

43 31.6 23.0 34.4

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 14.301 ppbv

RT: 3.049 min Scan# 91

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

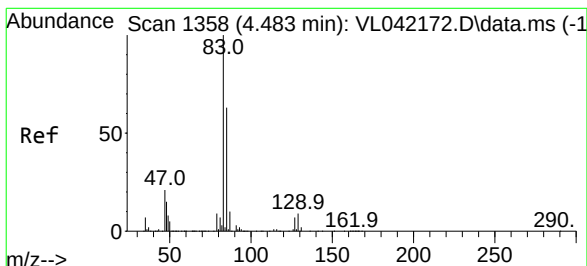
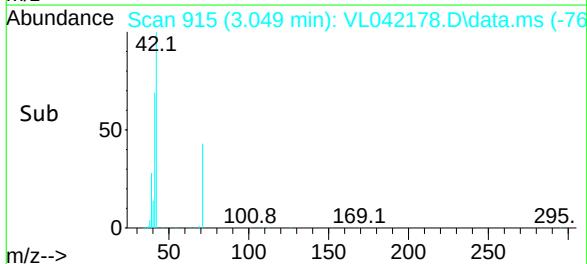
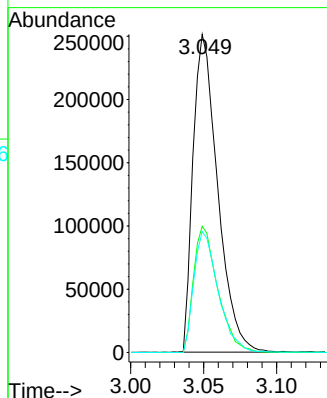
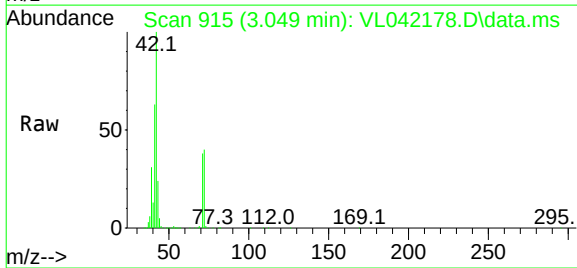
VSTDICC015

Tgt Ion:	42	Resp:	294634
Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.0
71	37.9	30.2	45.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#42

Bromodichloromethane

Concen: 15.043 ppbv

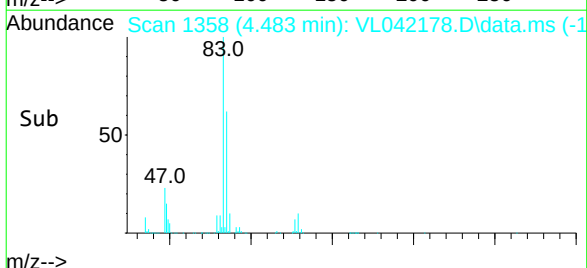
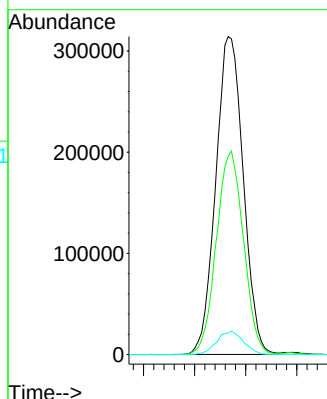
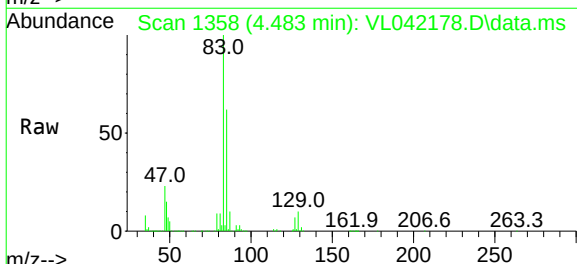
RT: 4.483 min Scan# 1358

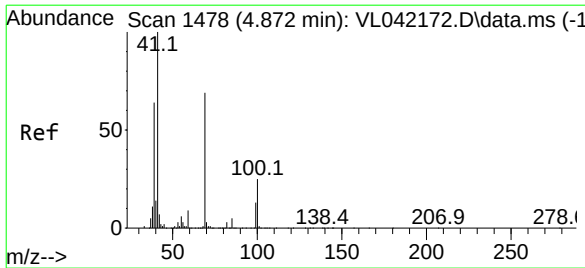
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:	83	Resp:	587772
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	6.8	5.9	8.9





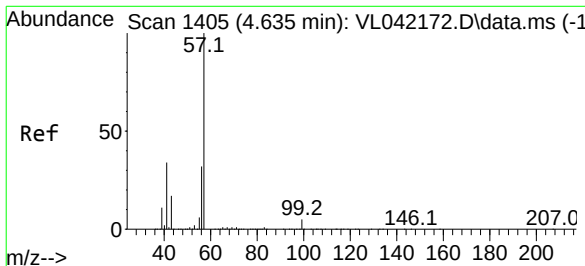
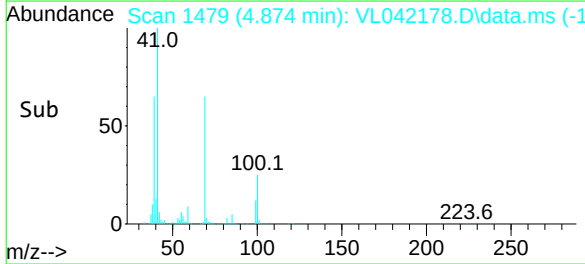
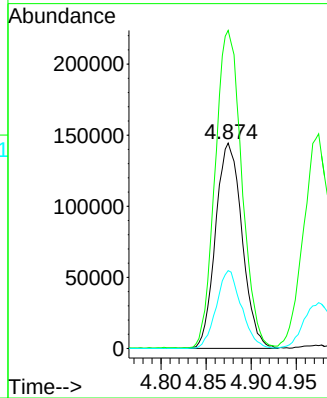
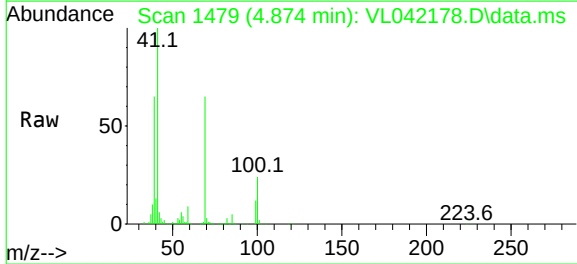
#43
Methyl Methacrylate
Concen: 14.130 ppbv
RT: 4.874 min Scan# 1478
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 69 Resp: 295300
Ion Ratio Lower Upper
69 100
41 155.4 123.8 185.6
100 36.0 28.4 42.6

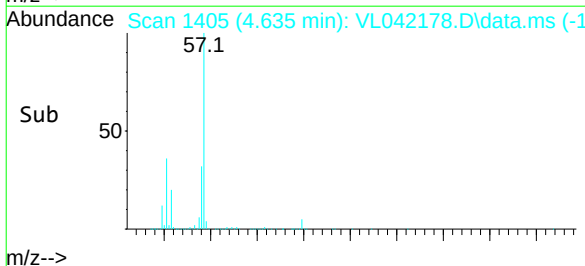
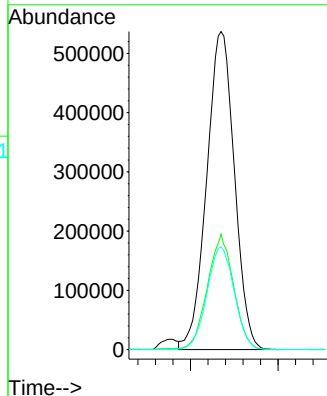
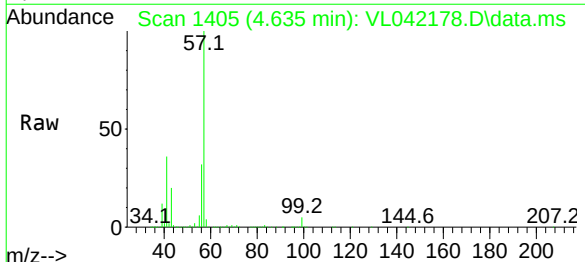
Manual Integrations
APPROVED

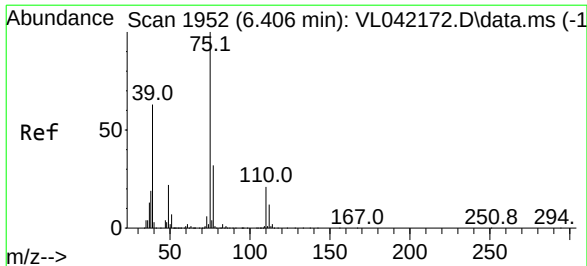
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 14.108 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 57 Resp: 1180275
Ion Ratio Lower Upper
57 100
41 34.2 26.8 40.2
56 31.9 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 14.649 ppbv

RT: 6.405 min Scan# 19

Delta R.T. -0.000 min

Lab File: VL042178.D

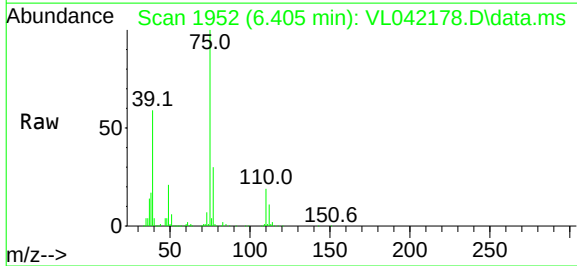
Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 75 Resp: 329360

Ion Ratio Lower Upper

75 100

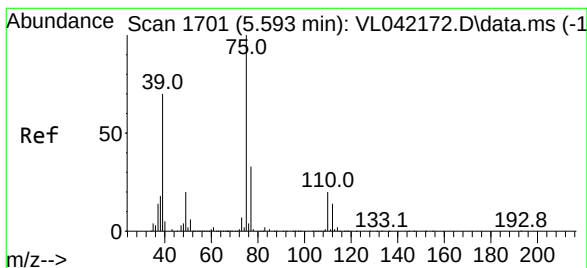
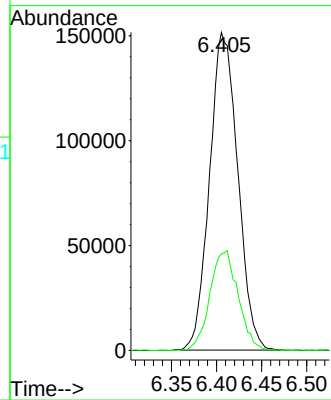
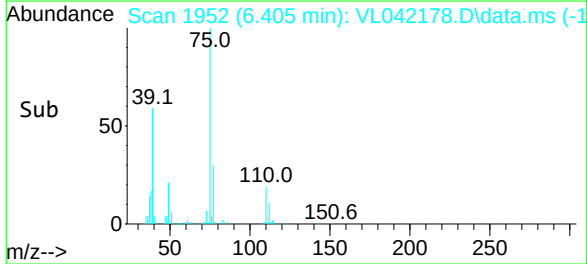
77 30.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#46

cis-1,3-Dichloropropene

Concen: 14.542 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

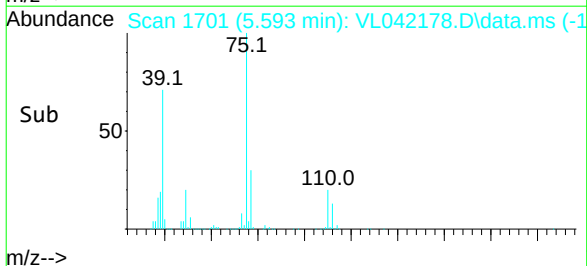
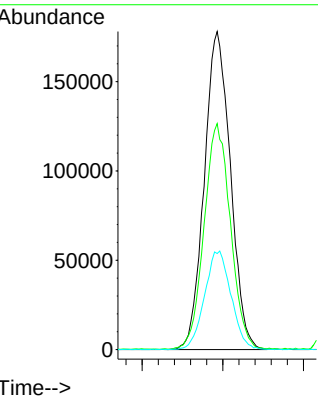
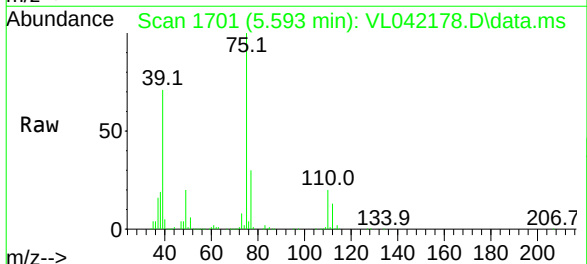
Tgt Ion: 75 Resp: 400813

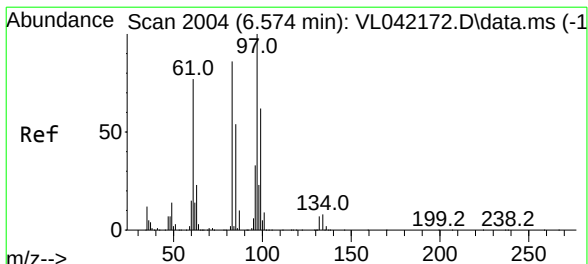
Ion Ratio Lower Upper

75 100

39 70.9 55.8 83.6

77 30.2 26.0 39.0





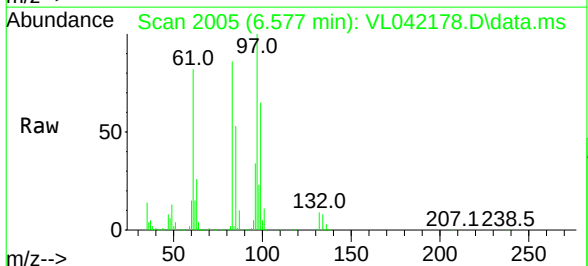
#47
 1,1,2-Trichloroethane
 Concen: 14.331 ppbv
 RT: 6.577 min Scan# 2005
 Delta R.T. 0.003 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

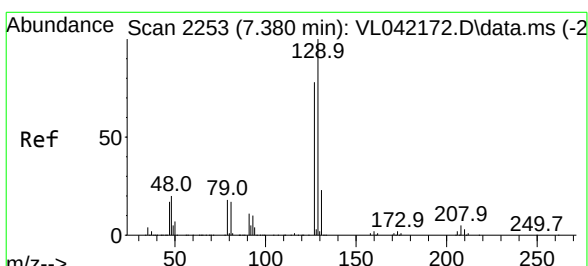
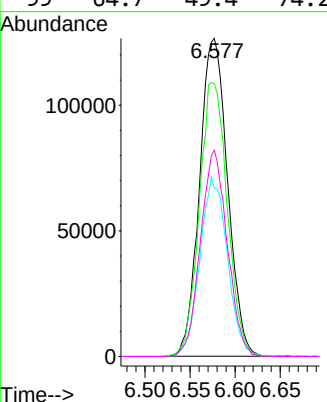
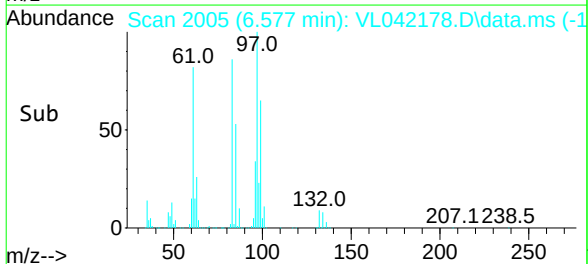
VSTDIC015



Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.2	103.8
85	52.7	43.1	64.7
99	64.7	49.4	74.2

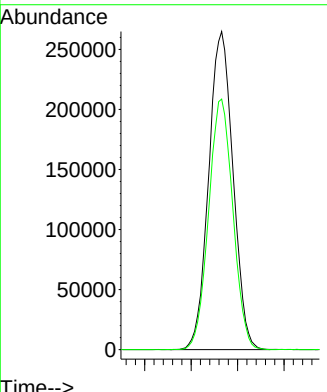
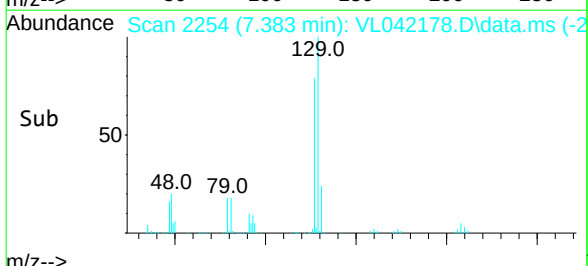
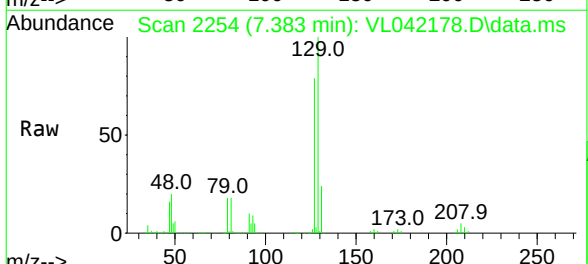
Manual Integrations
 APPROVED

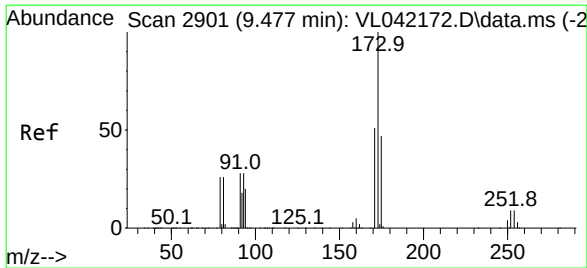
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#48
 Dibromochloromethane
 Concen: 14.936 ppbv
 RT: 7.383 min Scan# 2254
 Delta R.T. 0.003 min
 Lab File: VL042178.D
 Acq: 27 Mar 2025 11:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.2





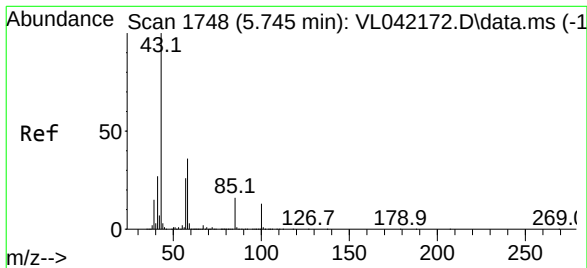
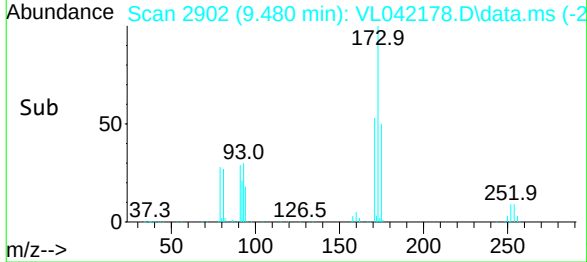
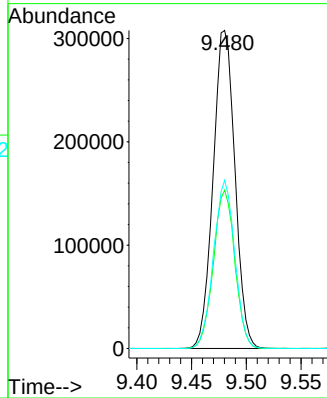
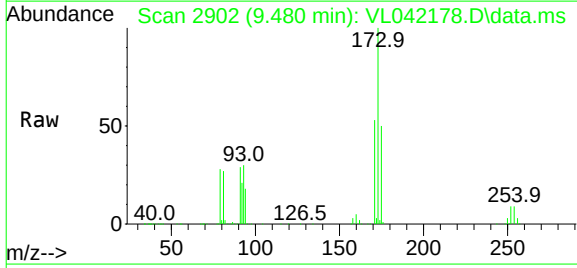
#49
Bromoform
Concen: 14.730 ppbv
RT: 9.480 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 173 Resp: 427143
Ion Ratio Lower Upper
173 100
175 48.9 38.6 57.8
171 51.5 41.8 62.6

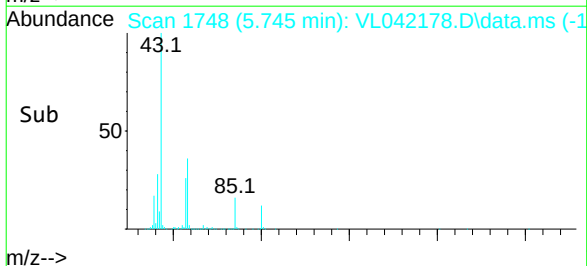
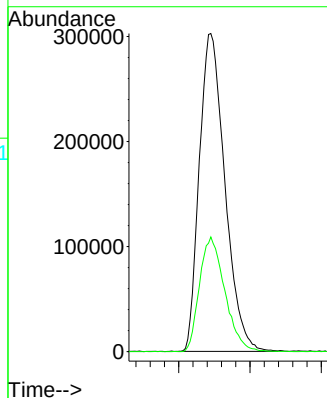
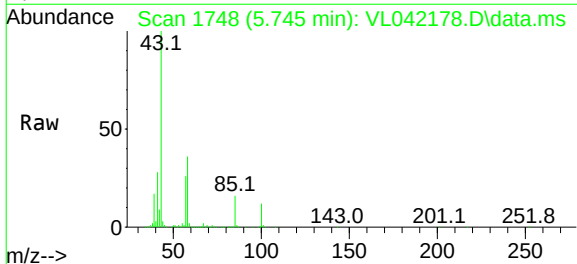
Manual Integrations
APPROVED

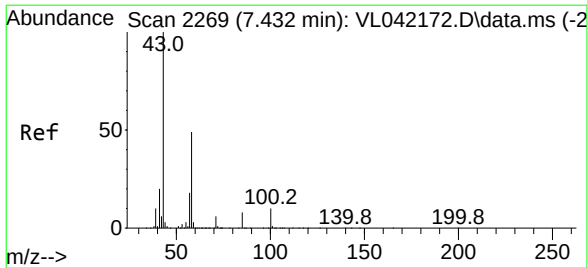
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 13.155 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

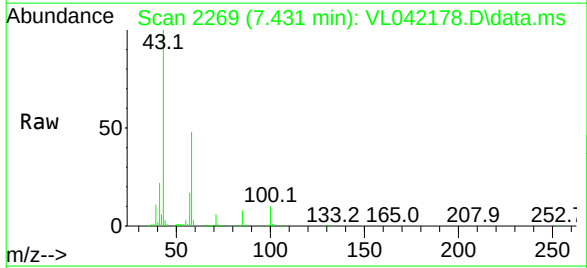
Tgt Ion: 43 Resp: 755146
Ion Ratio Lower Upper
43 100
58 35.5 29.0 43.6





#51
2-Hexanone
Concen: 13.005 ppbv
RT: 7.431 min Scan# 2269
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

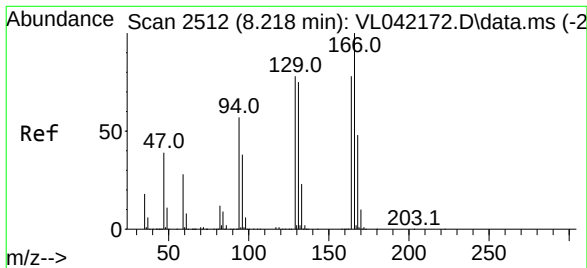
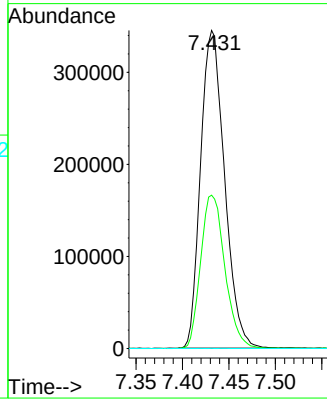
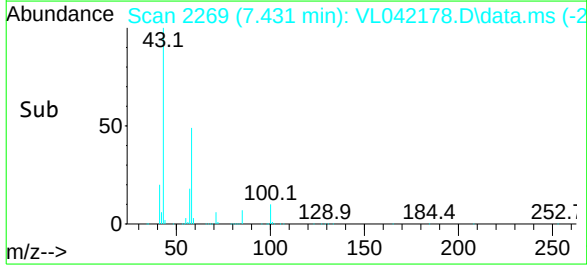
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



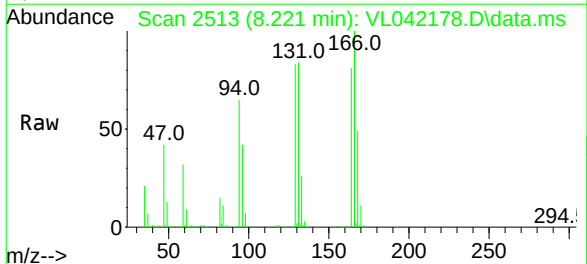
Tgt Ion: 43 Resp: 619419
Ion Ratio Lower Upper
43 100
58 49.0 39.7 59.5
98 0.0 0.1 0.1#

Manual Integrations
APPROVED

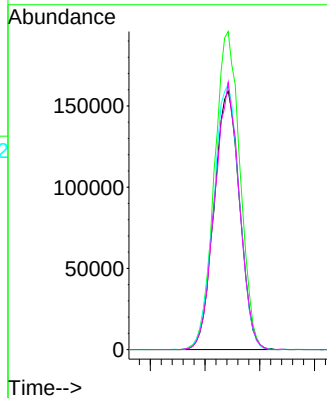
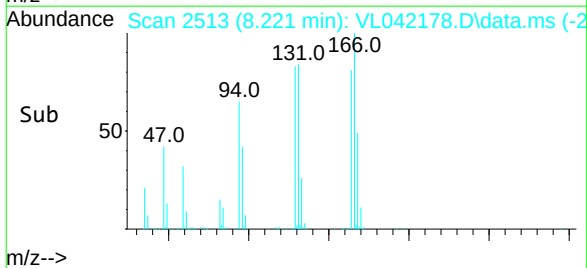
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

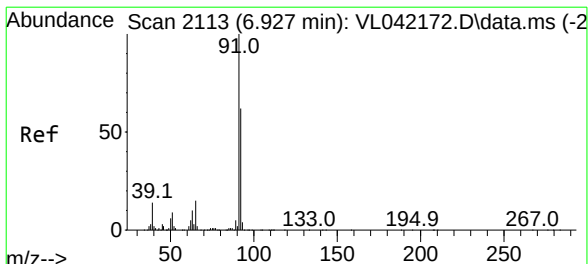


#52
Tetrachloroethene
Concen: 13.159 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36



Tgt Ion:164 Resp: 258356
Ion Ratio Lower Upper
164 100
166 123.0 102.5 153.7
129 102.5 79.8 119.8
131 103.3 76.6 114.8





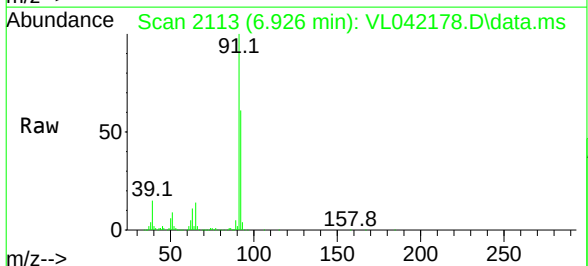
#53
Toluene
Concen: 14.137 ppbv
RT: 6.926 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

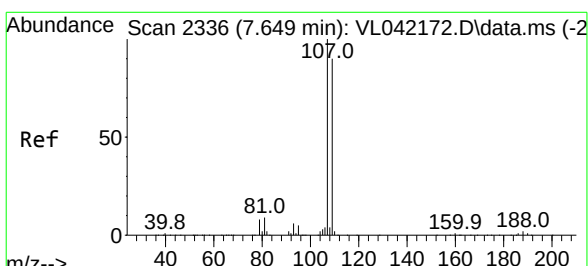
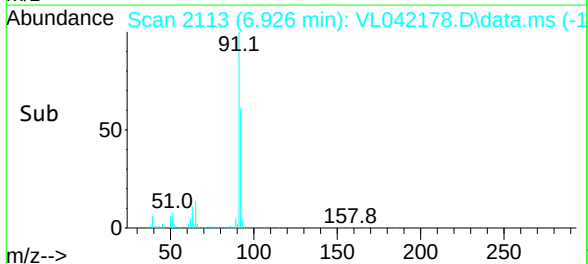
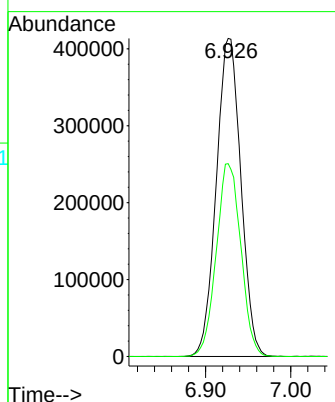
VSTDICC015



Tgt Ion: 91 Resp: 829648
Ion Ratio Lower Upper
91 100
92 60.6 48.4 72.6

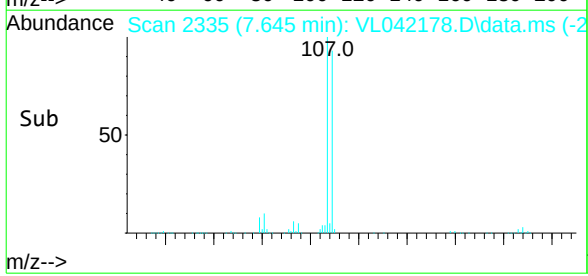
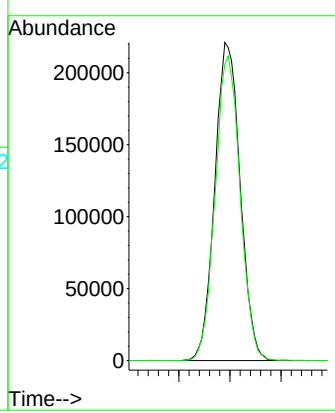
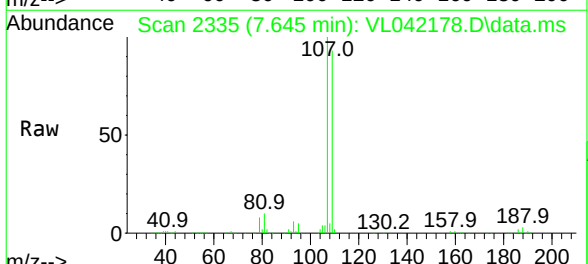
Manual Integrations
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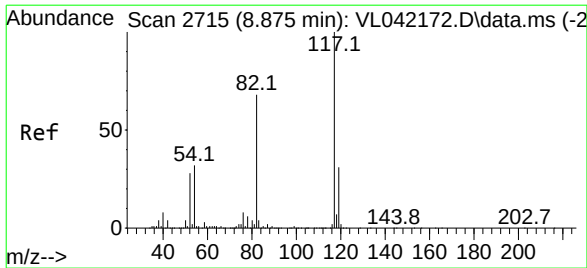
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#54
1,2-Dibromoethane
Concen: 14.359 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.004 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

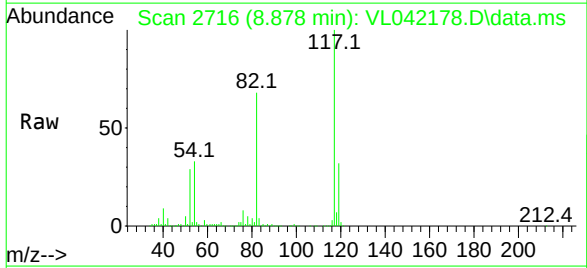
Tgt Ion:107 Resp: 381823
Ion Ratio Lower Upper
107 100
109 93.2 72.2 108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

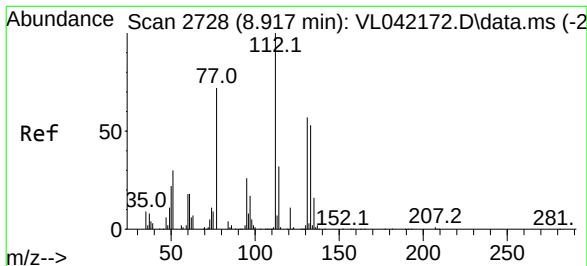
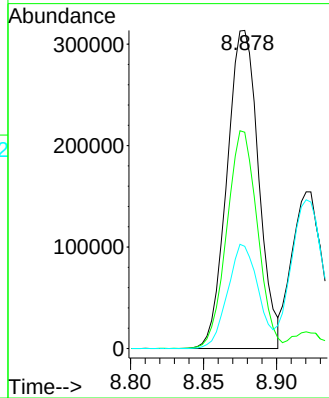
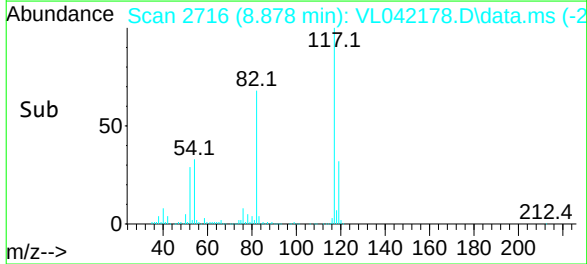
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:117 Resp: 473077
Ion Ratio Lower Upper
117 100
82 71.4 55.8 83.6
119 31.7 25.5 38.3

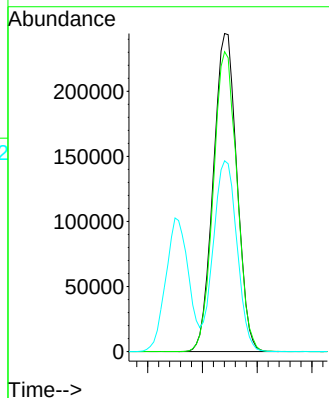
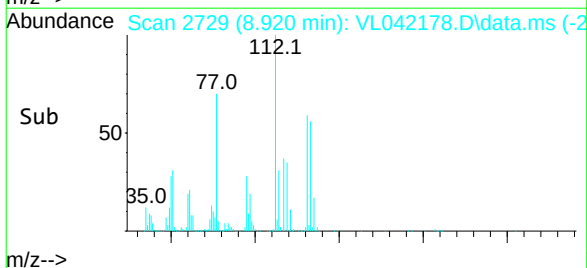
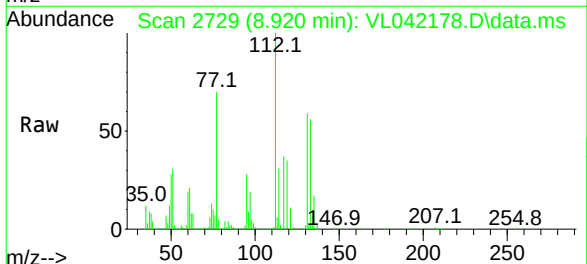
Manual Integrations
APPROVED

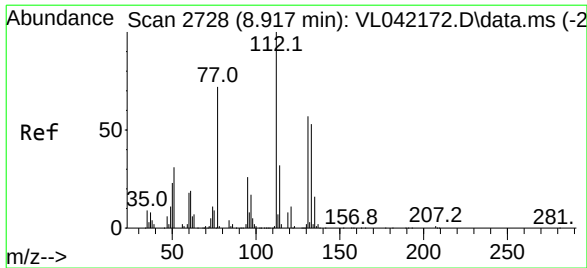
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 14.032 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

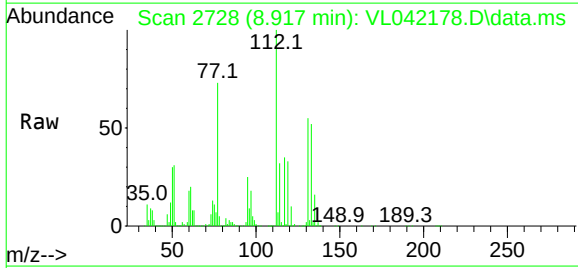
Tgt Ion:131 Resp: 365410
Ion Ratio Lower Upper
131 100
133 94.5 76.6 114.8
119 61.2 49.8 74.6





#57
Chlorobenzene
Concen: 13.777 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

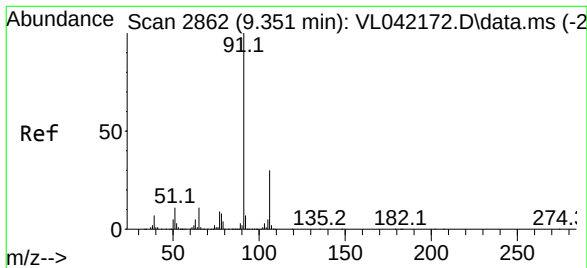
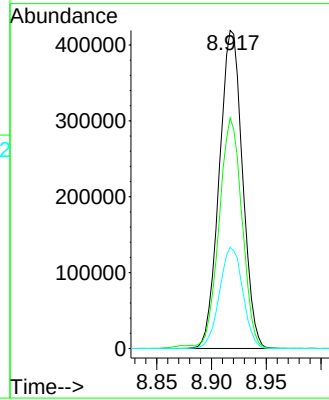
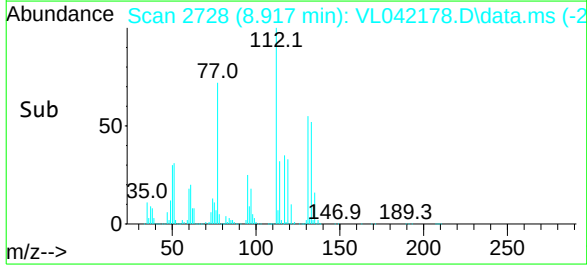
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 112 Resp: 618201
Ion Ratio Lower Upper
112 100
77 72.5 58.2 87.2
114 31.8 29.1 35.5

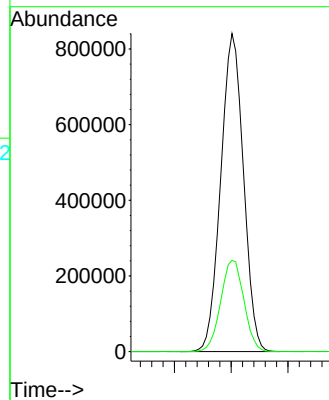
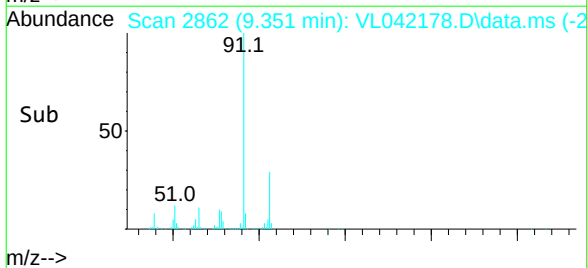
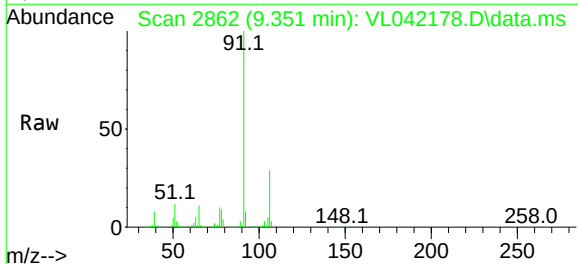
Manual Integrations
APPROVED

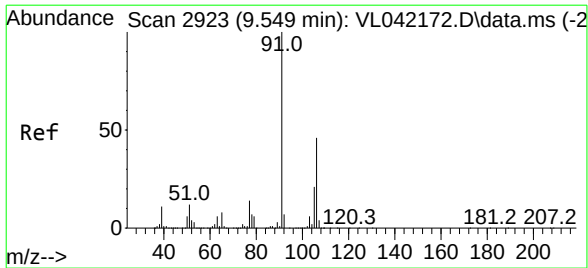
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 13.889 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

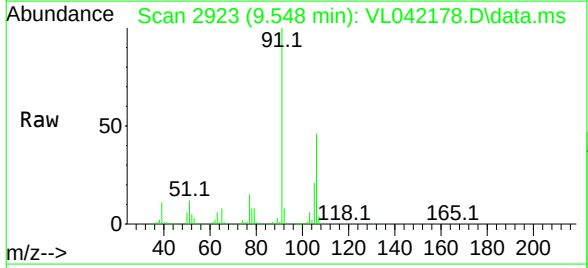
Tgt Ion: 91 Resp: 1167096
Ion Ratio Lower Upper
91 100
106 28.7 24.2 36.2





#59
m/p-Xylene
Concen: 27.651 ppbv m
RT: 9.548 min Scan# 29
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

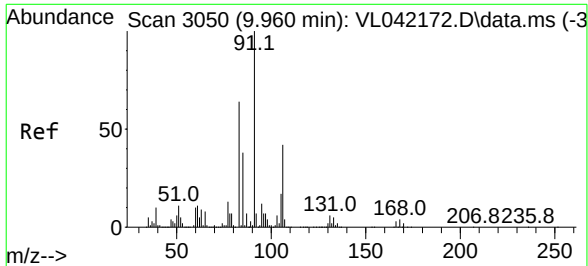
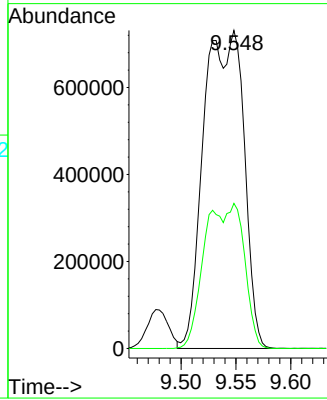
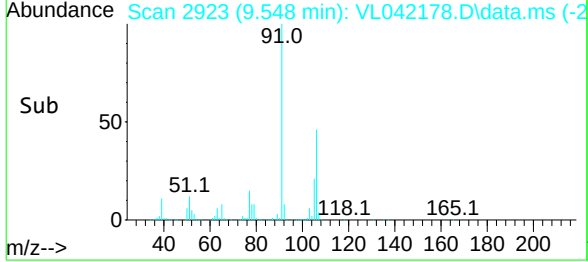
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 91 Resp: 1857561
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6

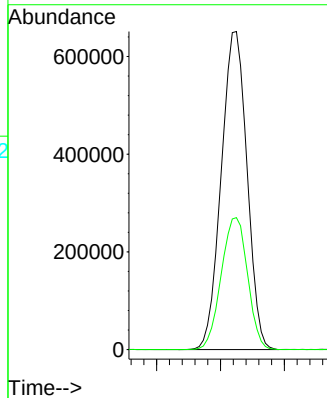
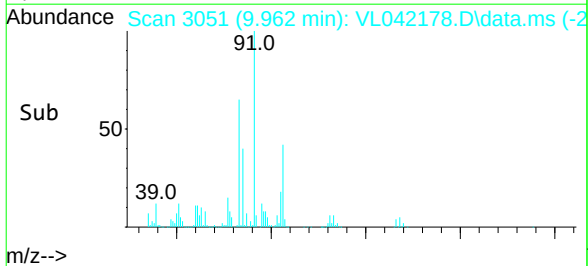
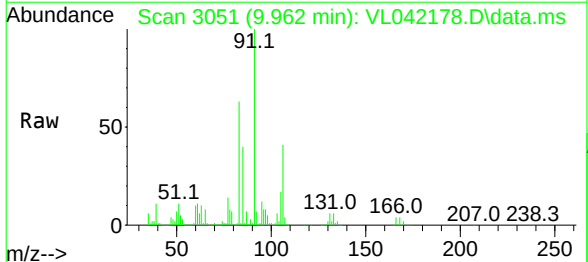
Manual Integrations
APPROVED

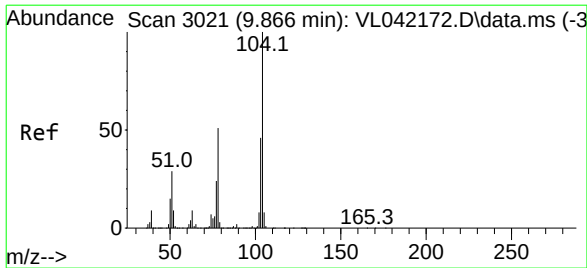
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 13.577 ppbv
RT: 9.962 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 913234
Ion Ratio Lower Upper
91 100
106 42.4 20.8 62.5





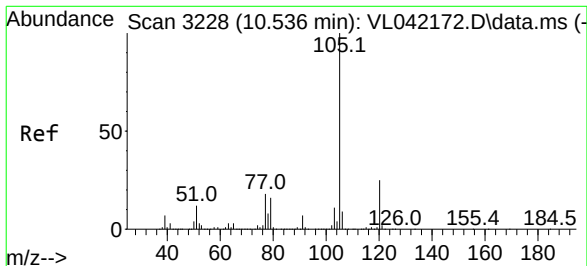
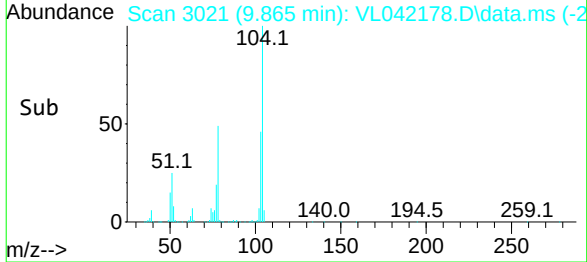
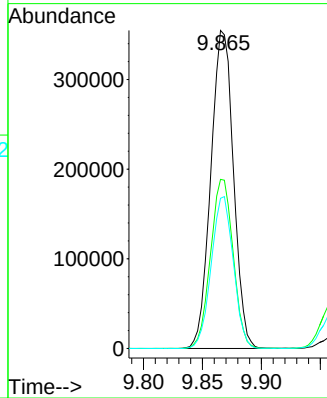
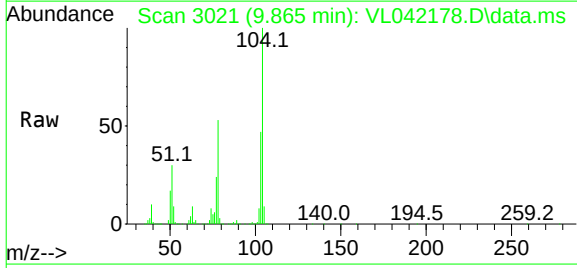
#61
Styrene
Concen: 14.250 ppbv
RT: 9.865 min Scan# 3021
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 474195
Ion Ratio Lower Upper
104 100
78 53.0 41.8 62.6
103 46.7 37.0 55.4

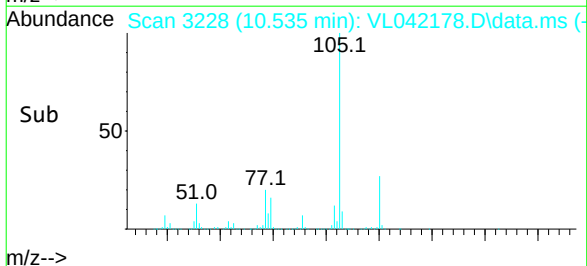
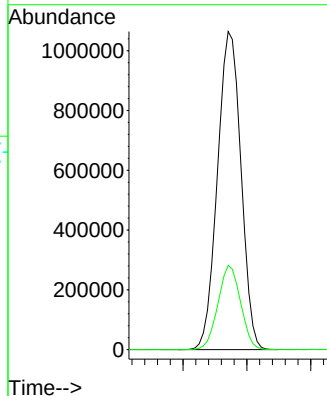
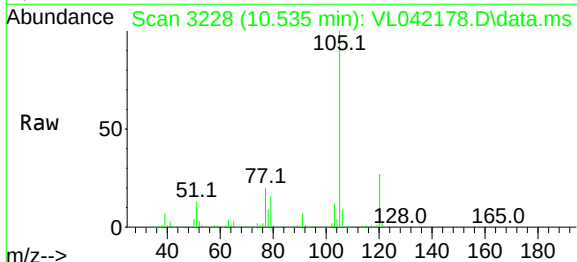
Manual Integrations
APPROVED

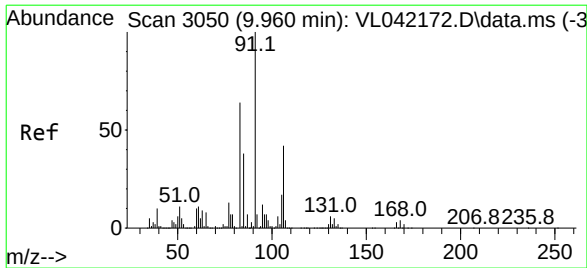
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62
Isopropylbenzene
Concen: 13.544 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

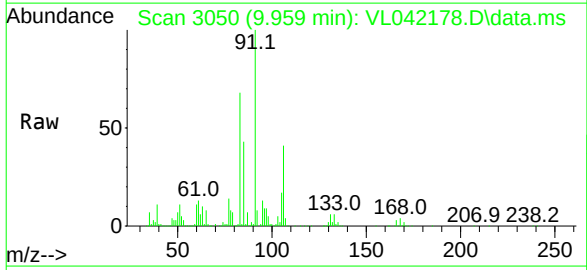
Tgt Ion:105 Resp: 1362416
Ion Ratio Lower Upper
105 100
120 25.3 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 13.491 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

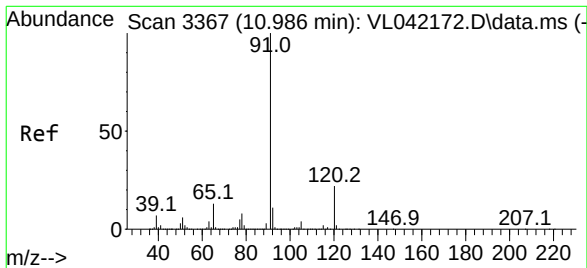
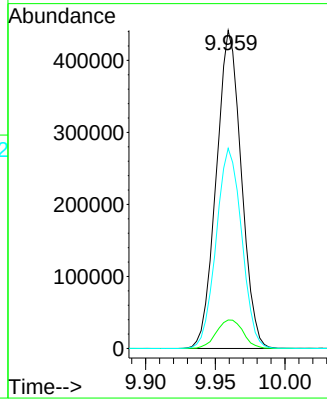
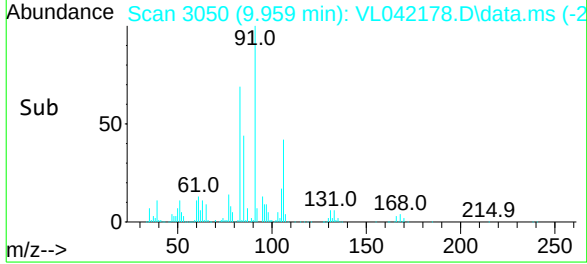
Instrument : MSVOA_L
ClientSampleId : VSTDIC015



Tgt Ion: 83 Resp: 551386
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 64.2 32.5 97.5

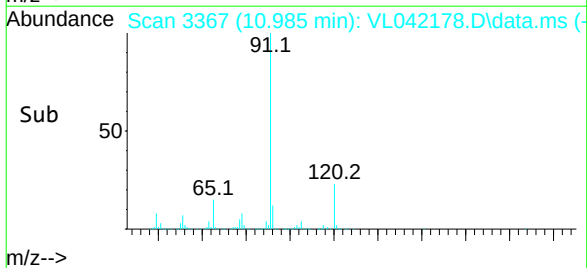
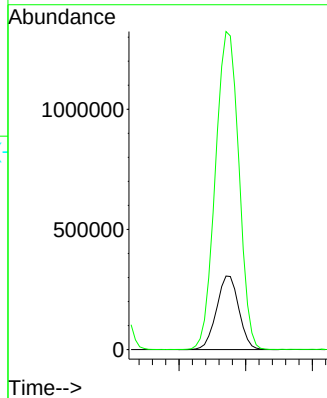
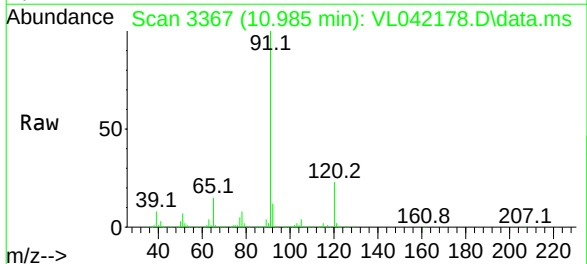
Manual Integrations
APPROVED

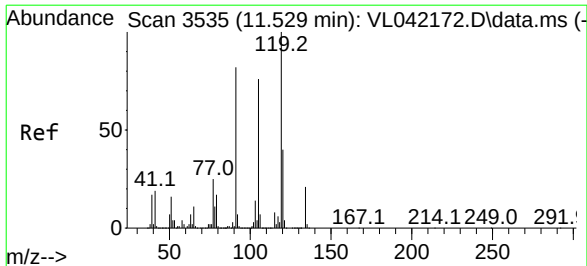
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 13.753 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:120 Resp: 356118
Ion Ratio Lower Upper
120 100
91 455.4 376.9 565.3





#65

tert-Butylbenzene

Concen: 12.901 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

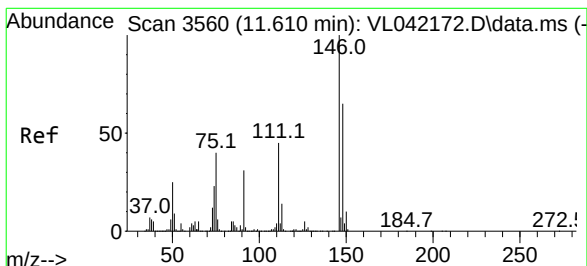
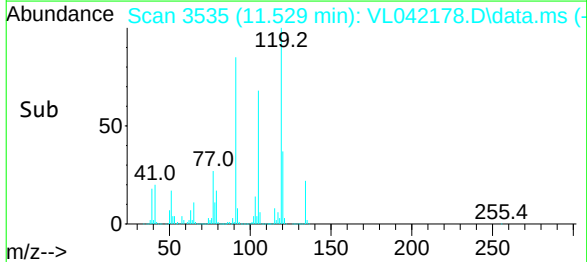
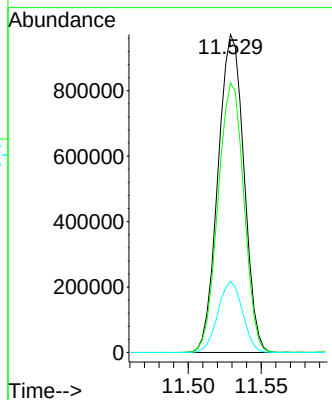
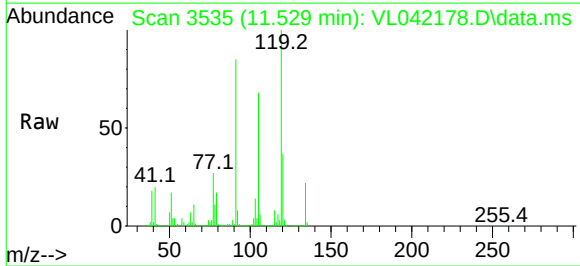
VSTDIC015

Tgt Ion: 119 Resp: 1200149

Ion	Ratio	Lower	Upper
119	100		
91	84.6	66.0	99.0
134	21.2	16.7	25.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 13.615 ppbv

RT: 11.613 min Scan# 3561

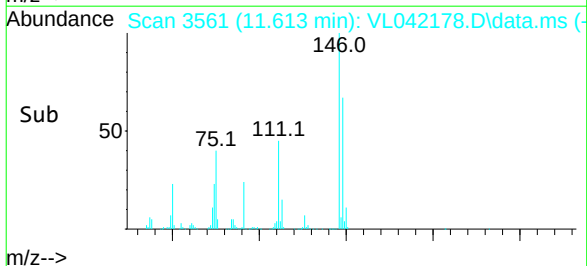
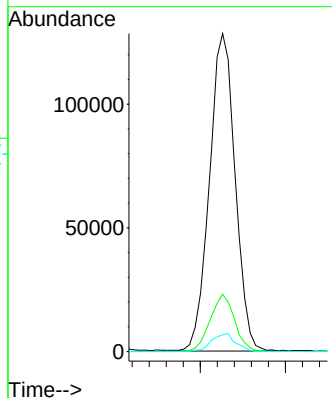
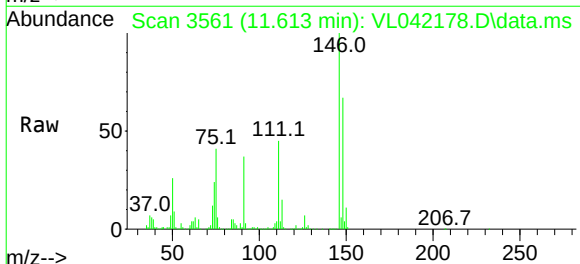
Delta R.T. 0.003 min

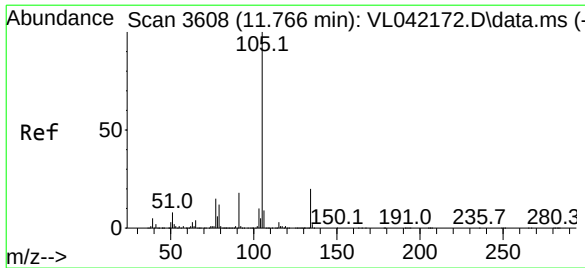
Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion: 91 Resp: 134397

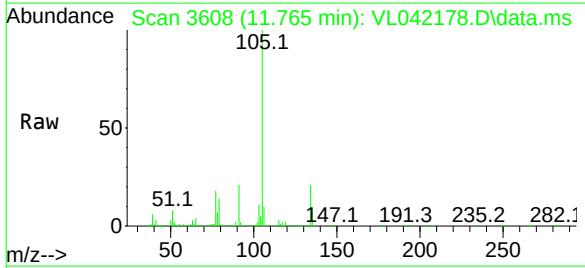
Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.6
128	5.4	4.5	6.7





#67
sec-Butylbenzene
Concen: 12.711 ppbv
RT: 11.765 min Scan# 3608
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

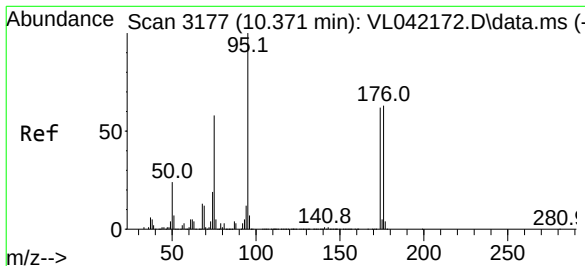
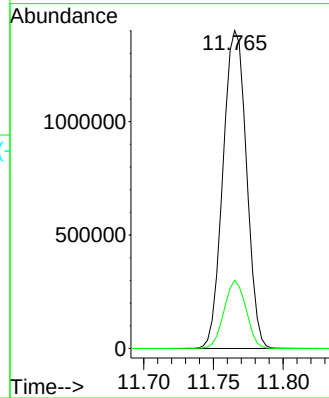
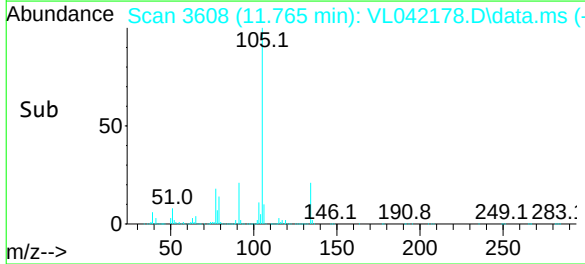
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 105 Resp: 1643629
Ion Ratio Lower Upper
105 100
134 20.0 15.5 23.3

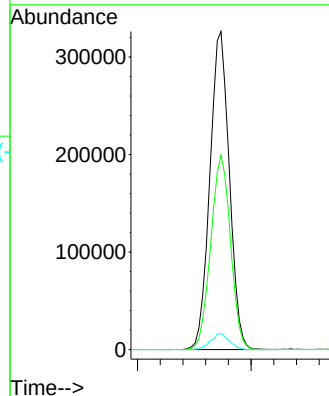
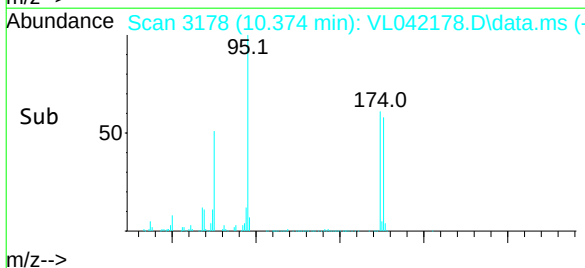
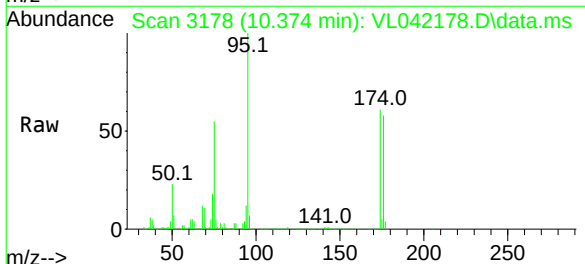
Manual Integrations
APPROVED

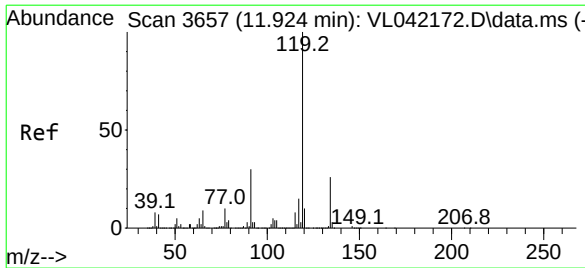
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.981 ppbv
RT: 10.374 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion: 95 Resp: 387777
Ion Ratio Lower Upper
95 100
174 62.1 50.6 76.0
175 4.8 3.8 5.6





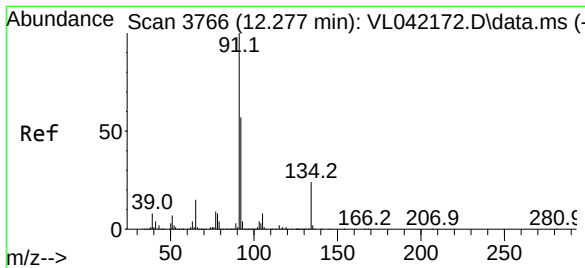
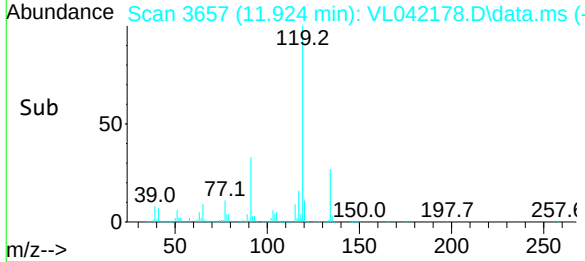
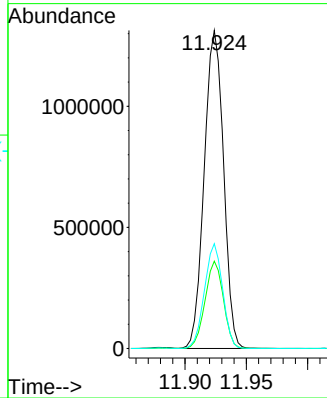
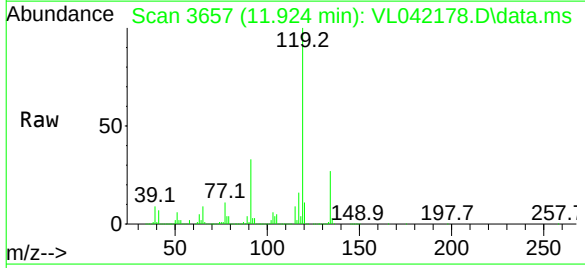
#69
p-Isopropyltoluene
Concen: 12.906 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument : MSVOA_1
ClientSampleId : VSTDIC015

Tgt Ion:	119	Resp:	1437016
Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.4	30.6
91	31.2	23.7	35.5

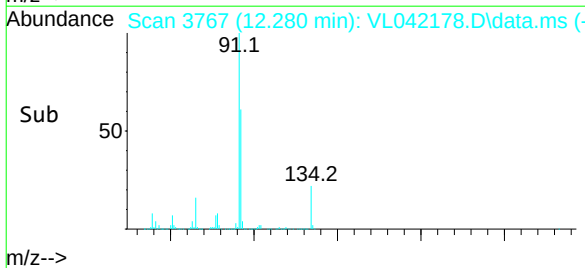
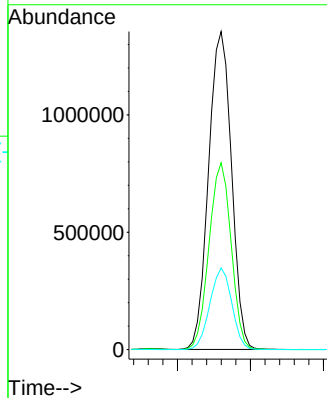
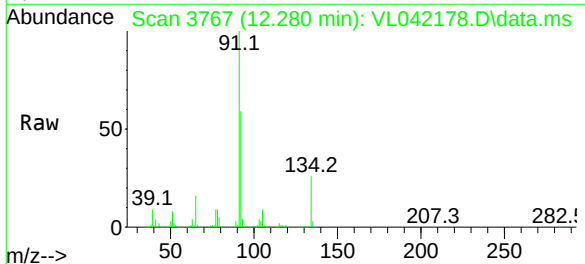
Manual Integrations
APPROVED

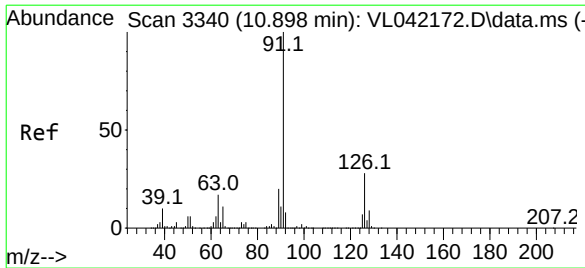
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#70
n-Butylbenzene
Concen: 12.975 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:	91	Resp:	1477443
Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.9	67.3
134	24.6	19.2	28.8





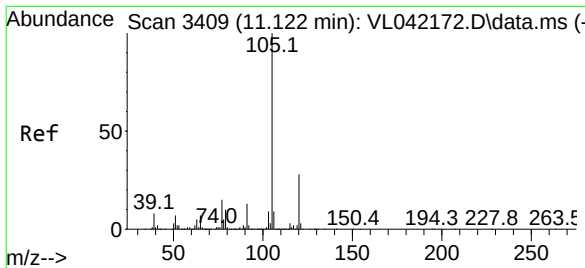
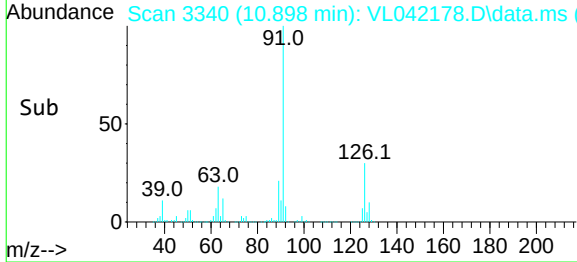
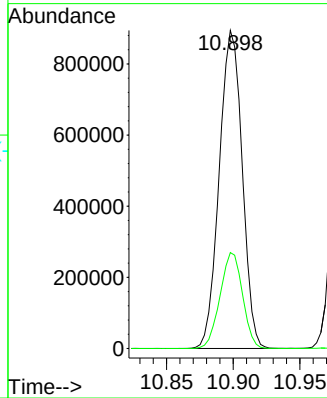
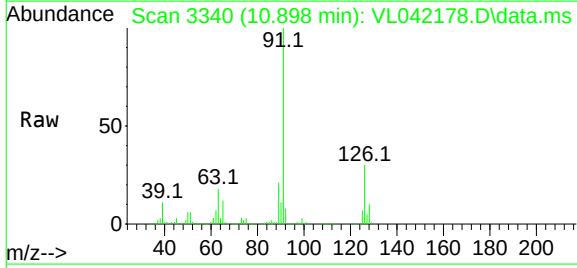
#71
2-Chlorotoluene
Concen: 13.724 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Instrument : MSVOA_L
ClientSampleId : VSTDIC015

Tgt Ion: 91 Resp: 1071432
Ion Ratio Lower Upper
91 100
126 29.5 11.6 46.4

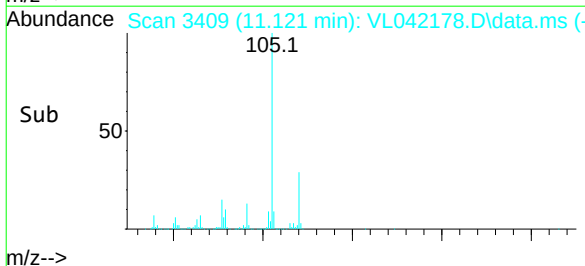
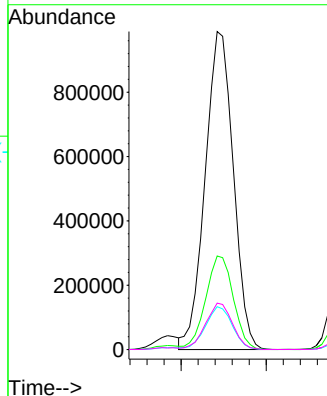
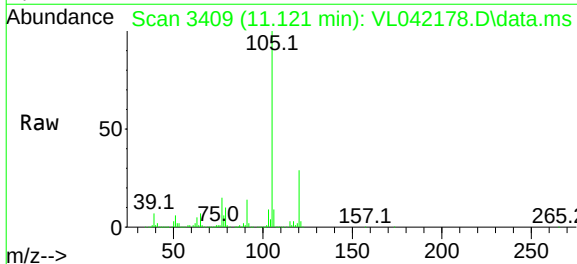
Manual Integrations
APPROVED

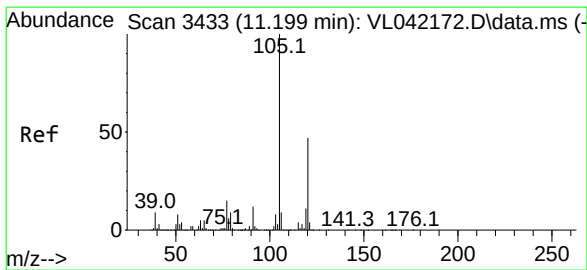
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#72
4-Ethyltoluene
Concen: 13.569 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1136415
Ion Ratio Lower Upper
105 100
120 30.1 23.4 35.0
91 13.5 10.3 15.5
77 14.6 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 13.395 ppbv

RT: 11.202 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:105 Resp: 979783

Ion Ratio Lower Upper

105 100

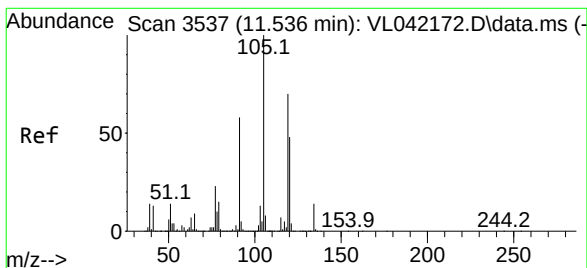
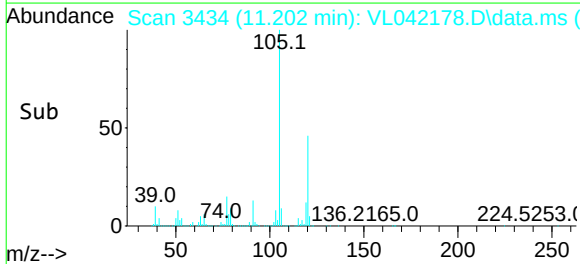
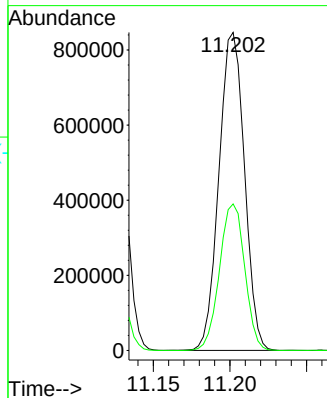
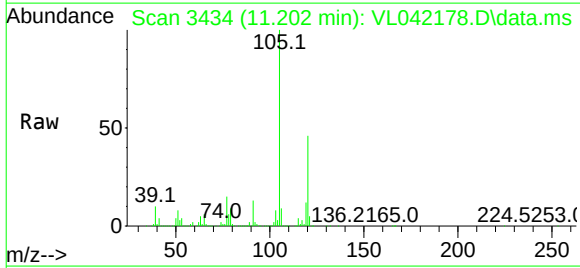
120 46.1 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 12.447 ppbv

RT: 11.535 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:105 Resp: 1048874

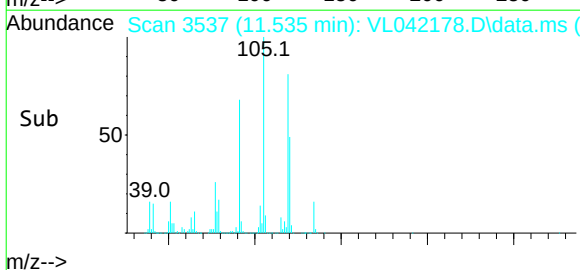
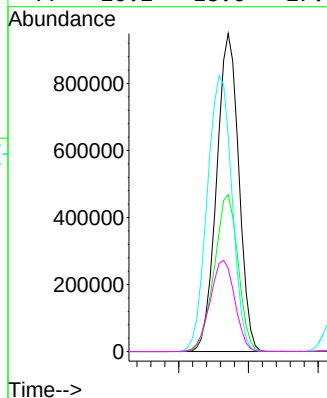
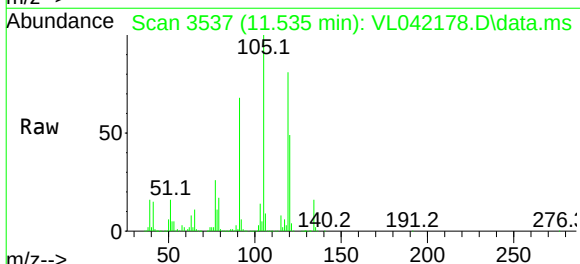
Ion Ratio Lower Upper

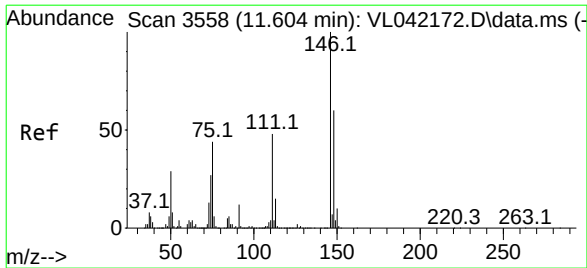
105 100

120 49.3 38.6 58.0

91 67.8 46.2 69.2

77 26.2 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 13.545 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

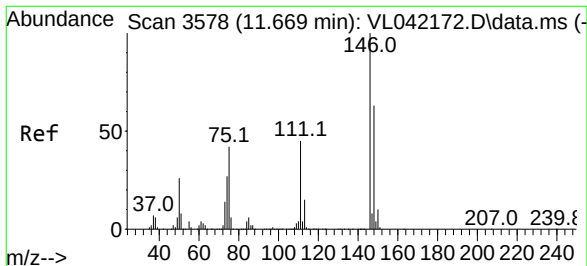
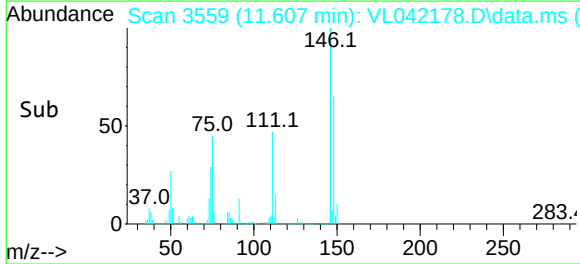
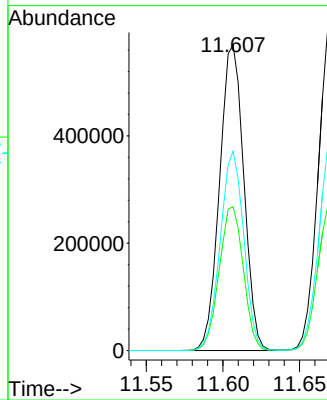
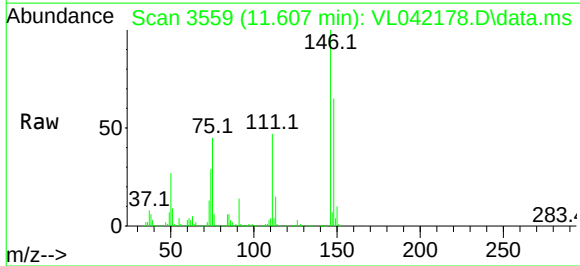
VSTDICC015

Tgt Ion:	146	Resp:	626015
Ion Ratio	Lower	Upper	
146	100		
111	47.0	23.8	71.2
148	63.5	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 13.668 ppbv

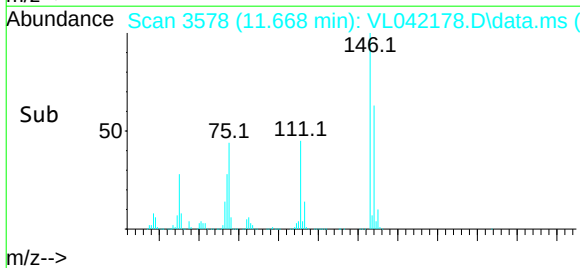
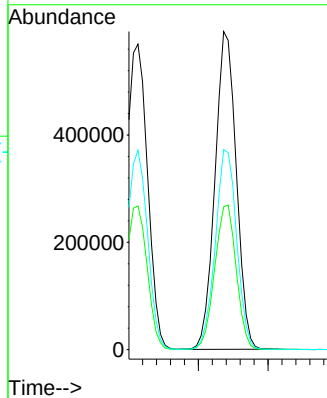
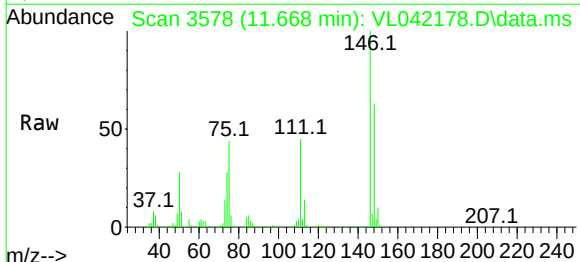
RT: 11.668 min Scan# 3578

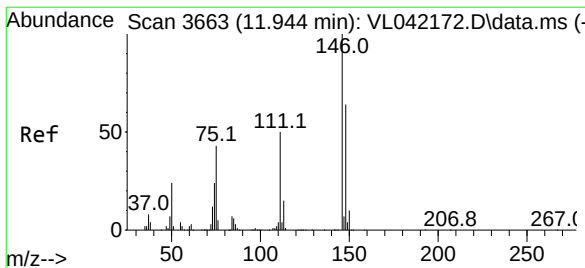
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:	146	Resp:	628694
Ion Ratio	Lower	Upper	
146	100		
111	46.1	23.0	69.0
148	63.6	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 13.396 ppbv

RT: 11.947 min Scan# 3663

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

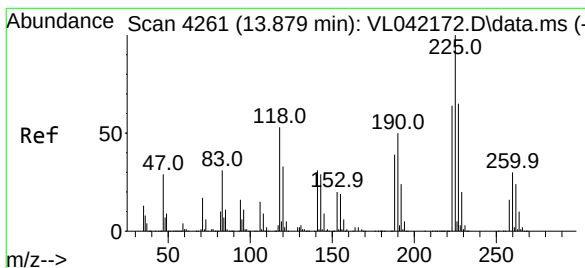
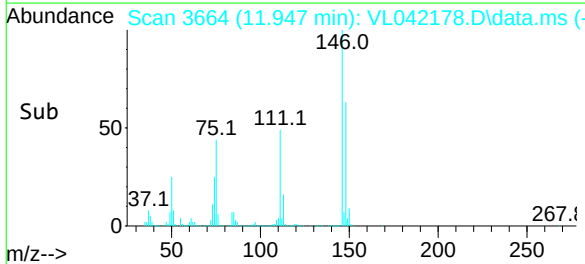
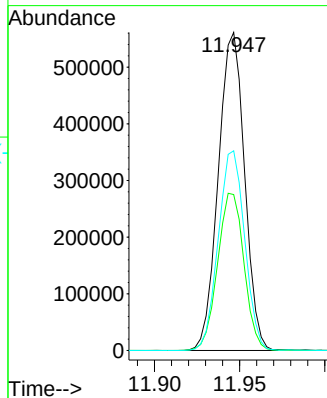
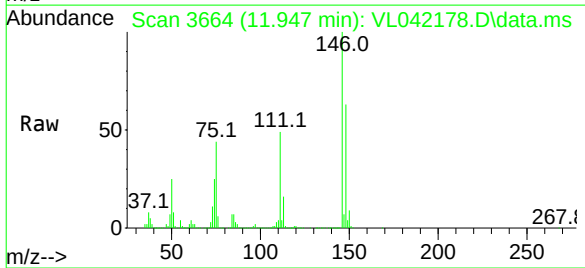
VSTDIC015

Tgt Ion:	146	Resp:	602844
Ion Ratio	Lower	Upper	
146	100		
111	49.7	24.8	74.3
148	63.3	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 12.147 ppbv

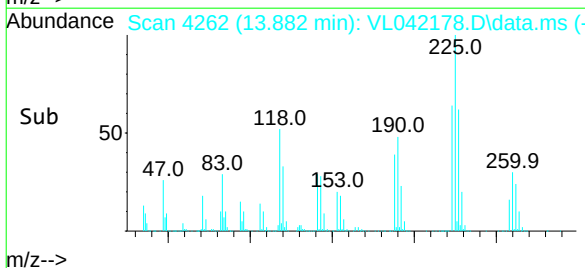
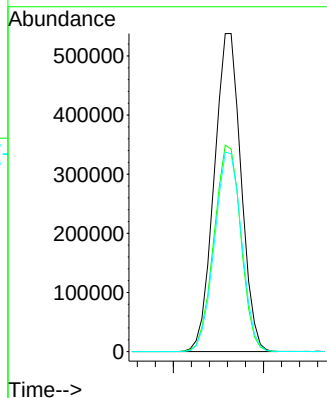
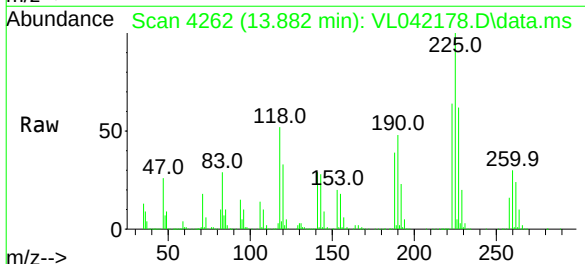
RT: 13.882 min Scan# 4262

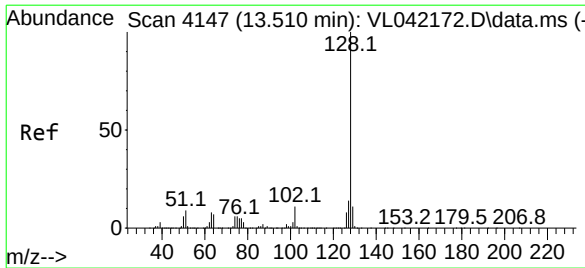
Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Tgt Ion:	225	Resp:	556392
Ion Ratio	Lower	Upper	
225	100		
223	64.7	50.6	76.0
227	63.3	51.2	76.8





#79

Naphthalene

Concen: 13.653 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

Instrument :

MSVOA_L

ClientSampleId :

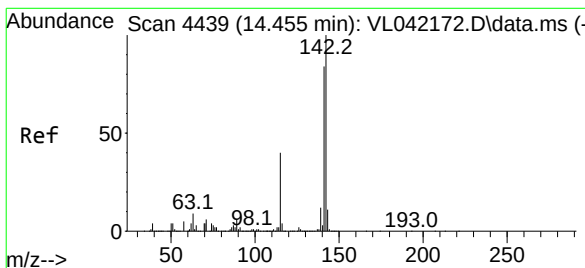
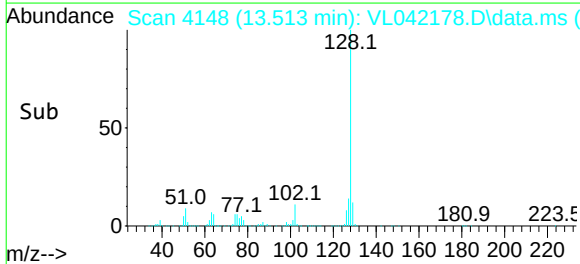
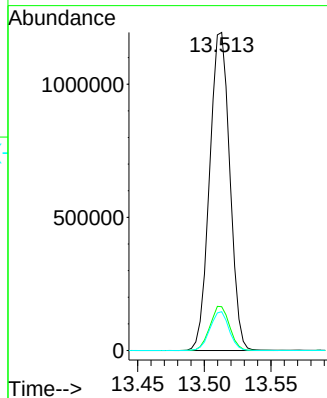
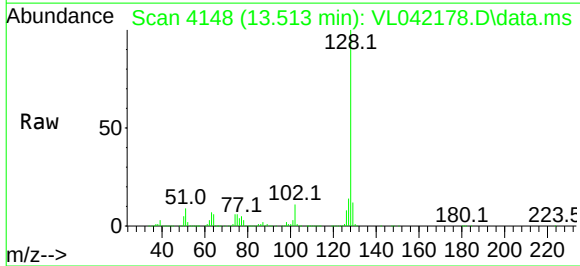
VSTDIC015

Tgt Ion:	128	Resp:	1258479
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.8	16.2
129	12.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene, 2-methyl-

Concen: 16.018 ppbv

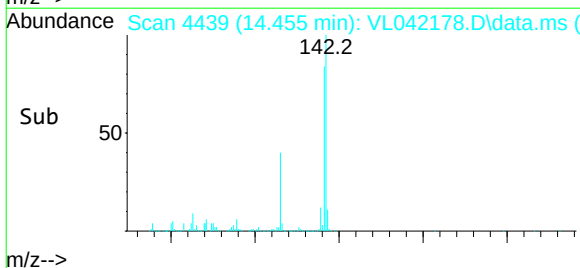
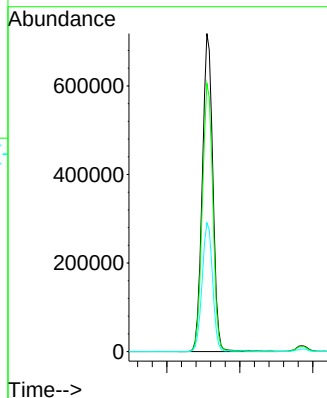
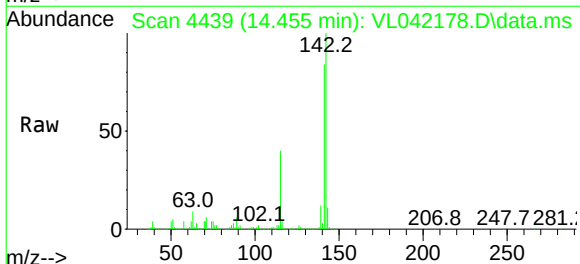
RT: 14.455 min Scan# 4439

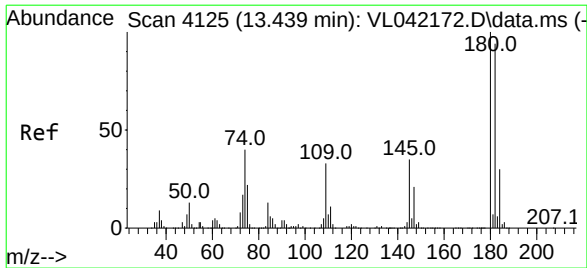
Delta R.T. -0.000 min

Lab File: VL042178.D

Acq: 27 Mar 2025 11:36

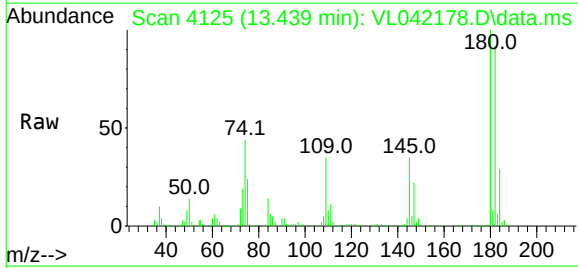
Tgt Ion:	142	Resp:	718900
Ion	Ratio	Lower	Upper
142	100		
141	84.3	66.3	99.5
115	40.6	31.6	47.4





#81
1,2,4-Trichlorobenzene
Concen: 14.075 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042178.D
Acq: 27 Mar 2025 11:36

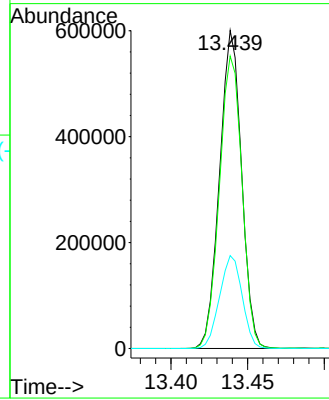
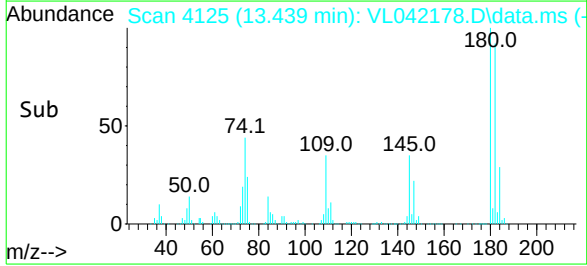
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:180 Resp: 598416
Ion Ratio Lower Upper
180 100
182 94.7 75.1 112.7
184 30.1 24.4 36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042179.D
 Acq On : 27 Mar 2025 12:23
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL032725

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 02:05:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	174350	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	498105	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	473357	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.374	95	379929	9.774	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	245714	9.545	ppbv	100
3) Chlorodifluoromethane	1.473	51	247046	9.394	ppbv	97
4) Chloromethane	1.531	50	98527	9.365	ppbv	98
5) Vinyl Chloride	1.577	62	95578	8.573	ppbv	97
6) Bromomethane	1.667	94	41950	8.799	ppbv	97
7) Chloroethane	1.703	64	37400	8.856	ppbv	94
8) Dichlorotetrafluoroethane	1.551	85	213819	9.753	ppbv	95
9) Propene	1.483	41	105338	8.739	ppbv	99
10) Heptane	4.972	43	298768	9.318	ppbv	100
11) Trichlorofluoromethane	1.874	101	236793	9.453	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.136	101	193965	9.421	ppbv	98
13) Ethanol	1.719	45	5773	5.066	ppbv	97
14) Bromoethene	1.780	108	73572	9.328	ppbv	97
15) Acetone	1.832	43	198300	8.132	ppbv	98
16) 1,3-Butadiene	1.606	39	97840	8.216	ppbv	99
17) tert-Butyl alcohol	2.039	59	276195	9.094	ppbv	99
18) 1,1-Dichloroethene	2.033	96	87137	9.053	ppbv	89
19) Isopropyl Alcohol	1.884	45	122768	8.923	ppbv	98
20) Methylene Chloride	2.059	84	72813	8.018	ppbv	97
21) Allyl Chloride	2.094	41	157418	9.154	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	101141	9.092	ppbv	93
23) Vinyl Acetate	2.460	43	90260	8.553	ppbv #	97
24) 1,1-Dichloroethane	2.405	63	197968	9.600	ppbv	99
25) Ethyl Acetate	2.832	43	592585	9.364	ppbv	99
26) Hexane	2.823	57	231125	9.455	ppbv	99
27) Carbon Disulfide	2.146	76	248834	9.493	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	146470	9.624	ppbv	95
29) Chloroform	2.845	83	344106	9.619	ppbv	100
30) Cyclohexane	3.852	84	197897	9.323	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	234487	9.449	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	365364	8.921	ppbv	99
34) 2-Butanone	2.554	43	331236	9.171	ppbv	99
35) Carbon Tetrachloride	3.758	117	363392	9.339	ppbv	98
36) Benzene	3.651	78	461261	9.341	ppbv	99
37) 1,2-Dichloroethane	3.217	62	273559	9.676	ppbv	99
38) Trichloroethene	4.541	130	191746	9.306	ppbv	97
39) 1,2-Dichloropropane	4.311	63	170839	9.500	ppbv	95
40) 1,4-Dioxane	4.577	88	80592	8.443	ppbv #	97
41) Tetrahydrofuran	3.052	42	196163	9.431	ppbv	99
42) Bromodichloromethane	4.486	83	384006	9.853	ppbv	100
43) Methyl Methacrylate	4.878	69	195339	9.344	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	787400	9.436	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	212335	9.467	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042179.D
 Acq On : 27 Mar 2025 12:23
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL032725

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 02:05:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	265101	9.643	ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	183228	9.638	ppbv	98
48) Dibromochloromethane	7.383	129	322766	10.018	ppbv	100
49) Bromoform	9.480	173	285149	9.858	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	500791	8.749	ppbv	99
51) 2-Hexanone	7.432	43	410889	8.741	ppbv #	99
52) Tetrachloroethene	8.221	164	173420	8.855	ppbv	93
53) Toluene	6.927	91	556897	9.514	ppbv	99
54) 1,2-Dibromoethane	7.645	107	256930	9.695	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.920	131	249270	9.567	ppbv	99
57) Chlorobenzene	8.917	112	422531	9.411	ppbv	98
58) Ethyl Benzene	9.351	91	791360	9.412	ppbv	98
59) m/p-Xylene	9.548	91	1260340m	18.772	ppbv	
60) o-Xylene	9.959	91	632918	9.404	ppbv	99
61) Styrene	9.866	104	315910	9.488	ppbv	99
62) Isopropylbenzene	10.539	105	944938	9.388	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.959	83	382635	9.357	ppbv	99
64) n-propylbenzene	10.985	120	244547	9.439	ppbv	98
65) tert-Butylbenzene	11.529	119	843828	9.065	ppbv	98
66) Benzyl Chloride	11.613	91	86804	8.789	ppbv	97
67) sec-Butylbenzene	11.765	105	1172636	9.063	ppbv	100
69) p-Isopropyltoluene	11.924	119	1019694	9.153	ppbv	100
70) n-Butylbenzene	12.280	91	1038548	9.115	ppbv	100
71) 2-Chlorotoluene	10.898	91	732874	9.382	ppbv	100
72) 4-Ethyltoluene	11.125	105	785185	9.370	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	673541	9.203	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	729155	8.648	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	426573	9.224	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	426318	9.263	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	412180	9.154	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	356386	7.776	ppbv	100
79) Naphthalene	13.513	128	773311	8.385	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	323443	7.151	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	363863	8.553	ppbv	98

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

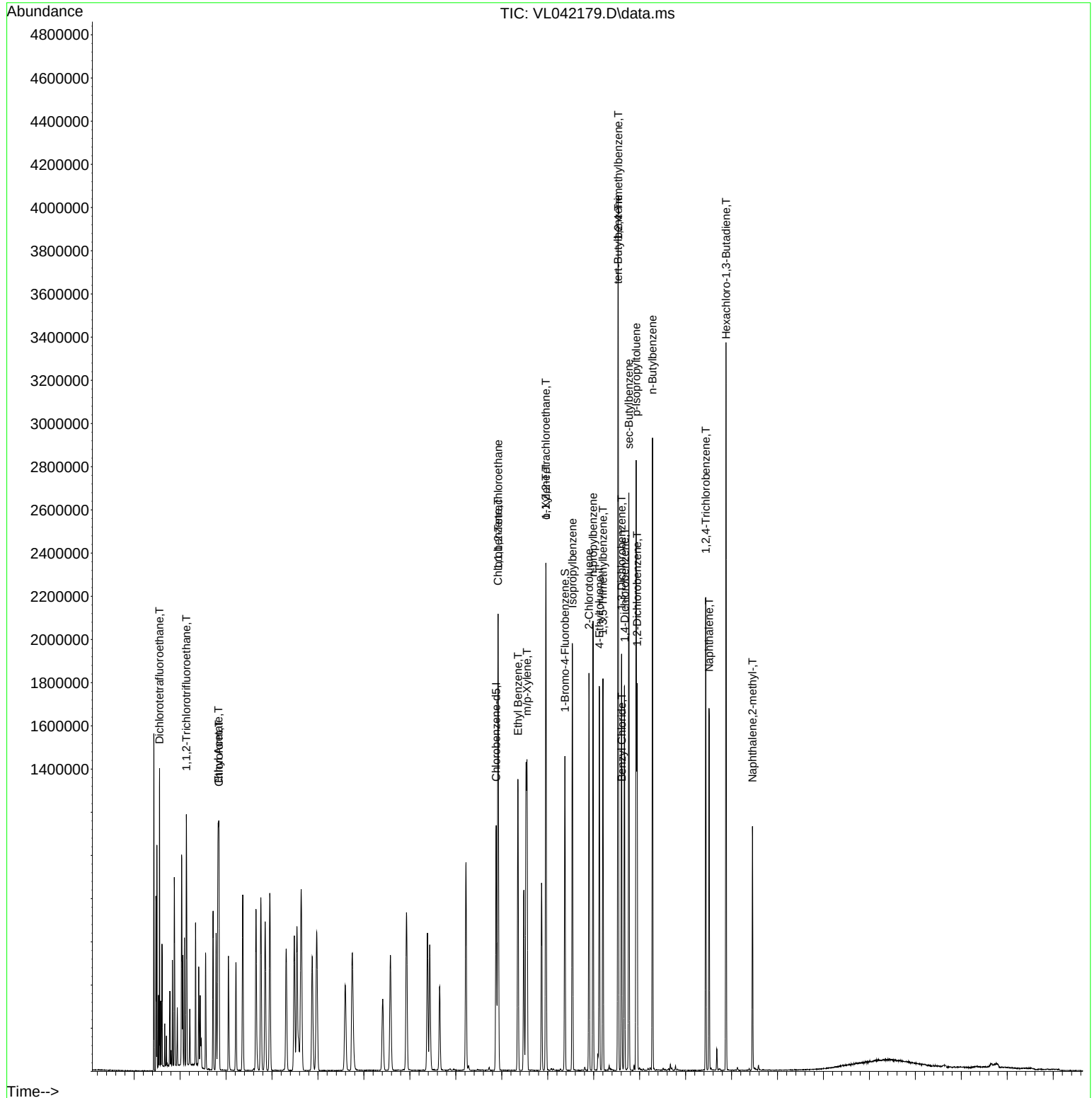
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Data File : VL042179.D
Acq On : 27 Mar 2025 12:23
Operator : SY/MD
Sample : VSTDICV010
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

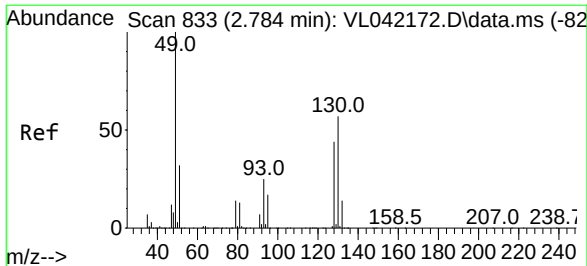
Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

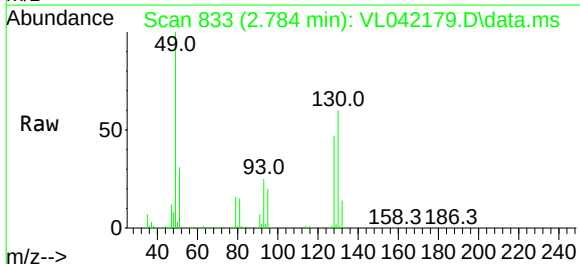
Quant Time: Mar 28 02:05:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

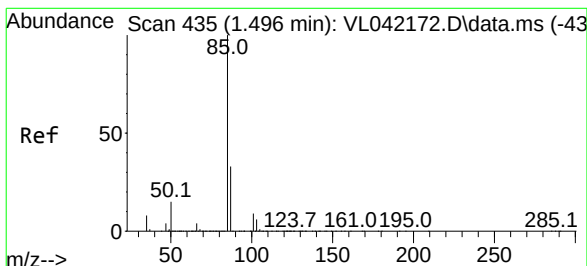
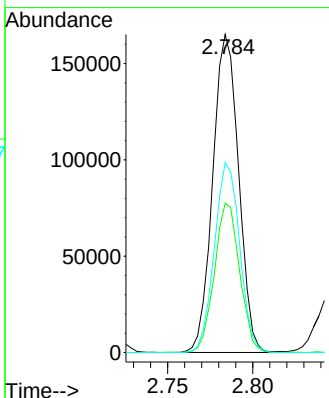
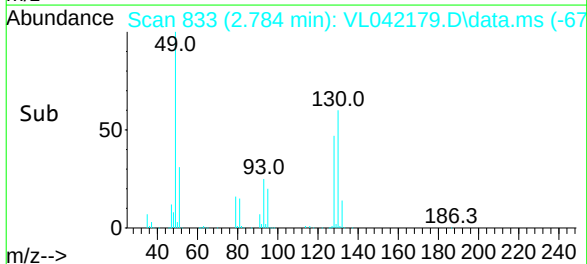
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



Tgt Ion: 49 Resp: 174356
Ion Ratio Lower Upper
49 100
128 45.8 22.9 68.5
130 58.4 28.8 86.4

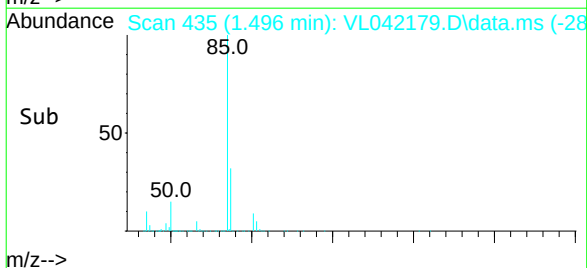
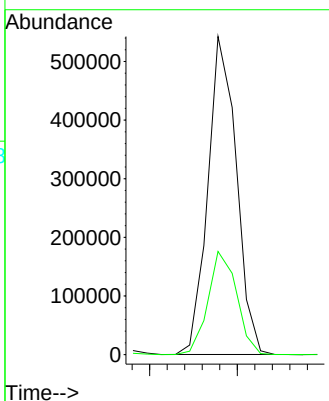
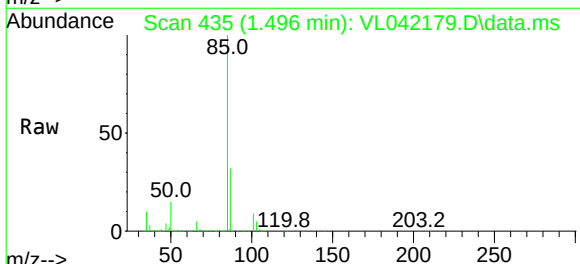
Manual Integrations
APPROVED

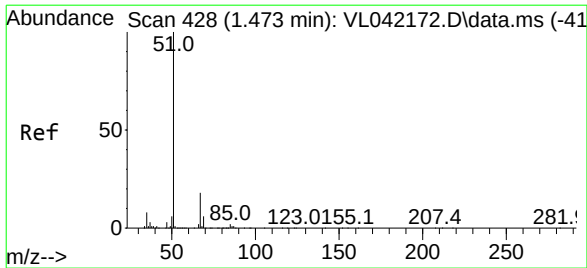
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#2
Dichlorodifluoromethane
Concen: 9.545 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 85 Resp: 245714
Ion Ratio Lower Upper
85 100
87 32.4 26.1 39.1





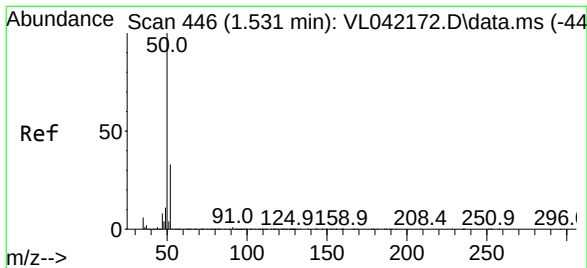
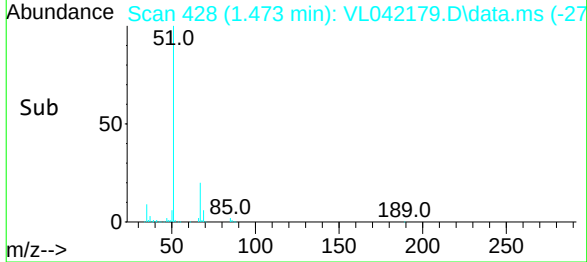
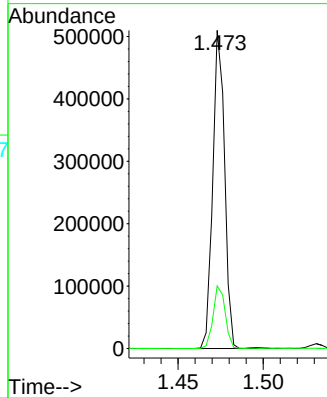
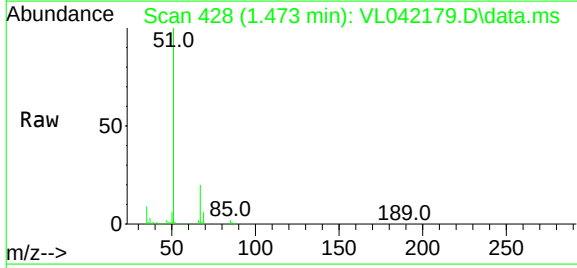
#3
Chlorodifluoromethane
Concen: 9.394 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion: 51 Resp: 247046
Ion Ratio Lower Upper
51 100
67 20.1 15.0 22.6

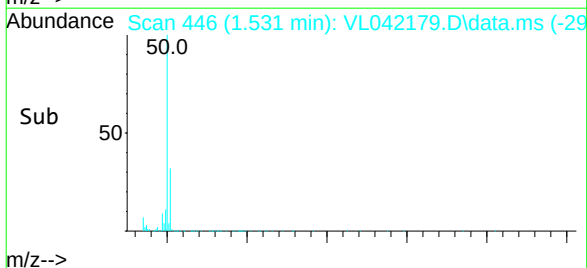
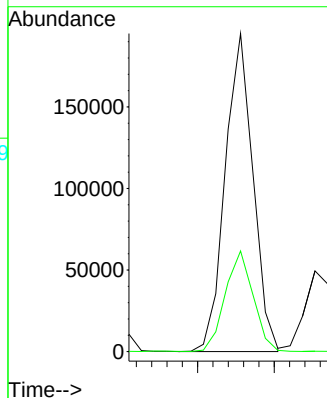
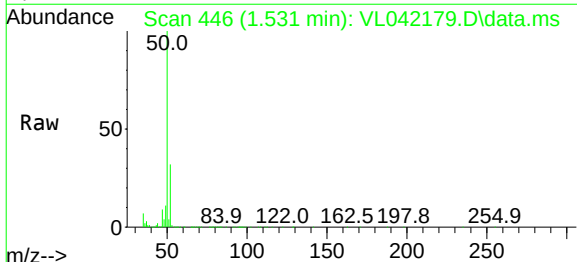
Manual Integrations
APPROVED

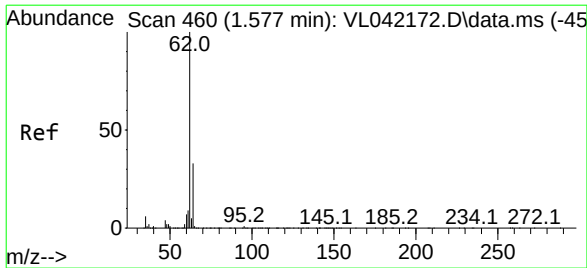
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#4
Chloromethane
Concen: 9.365 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 50 Resp: 98527
Ion Ratio Lower Upper
50 100
52 31.6 26.1 39.1





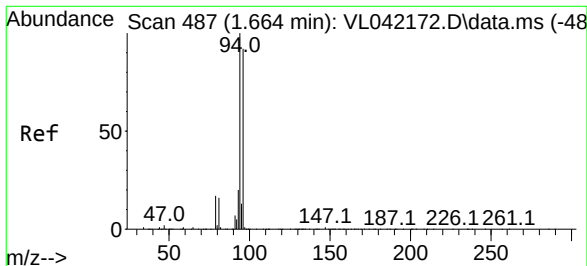
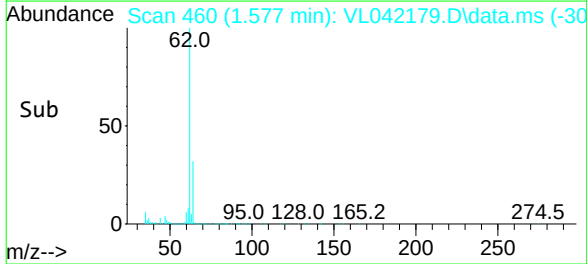
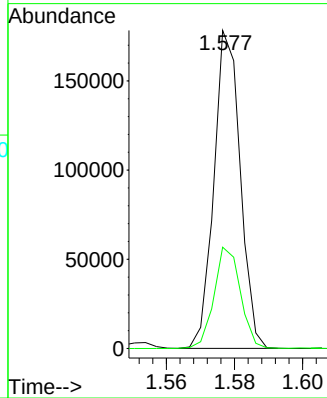
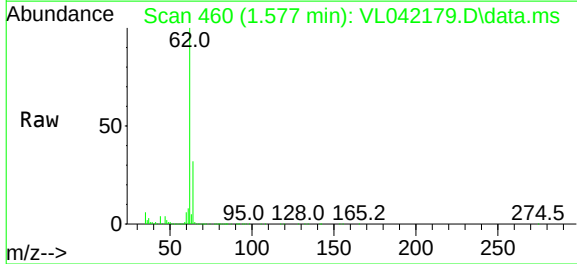
#5
 Vinyl Chloride
 Concen: 8.573 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23

Instrument : MSVOA_1
 ClientSampleId : ICVVL032725

Tgt Ion: 62 Resp: 95578
 Ion Ratio Lower Upper
 62 100
 64 31.8 26.6 40.0

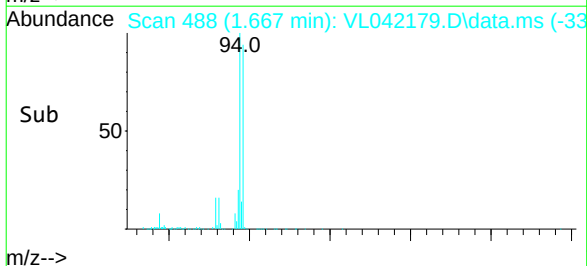
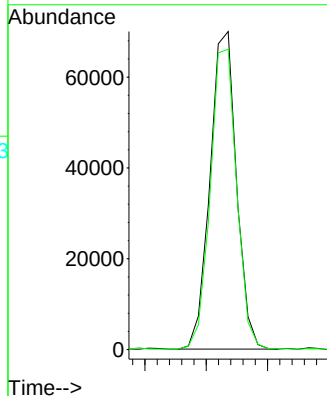
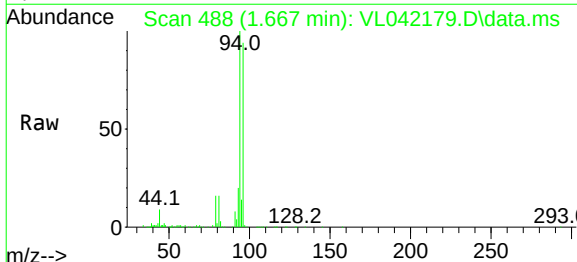
Manual Integrations
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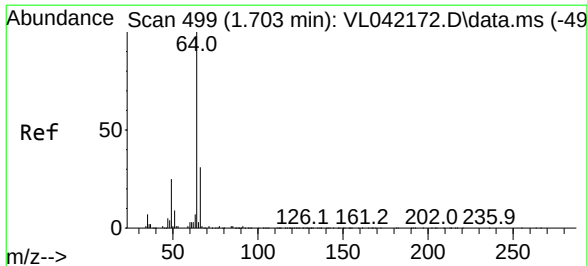
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025



#6
 Bromomethane
 Concen: 8.799 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23

Tgt Ion: 94 Resp: 41950
 Ion Ratio Lower Upper
 94 100
 96 94.4 73.1 109.7





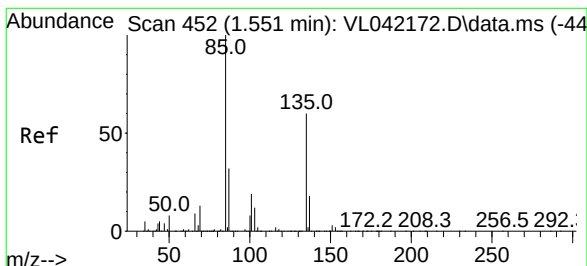
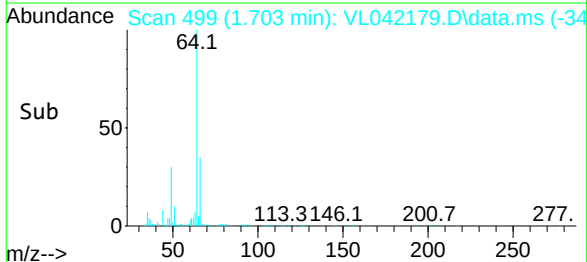
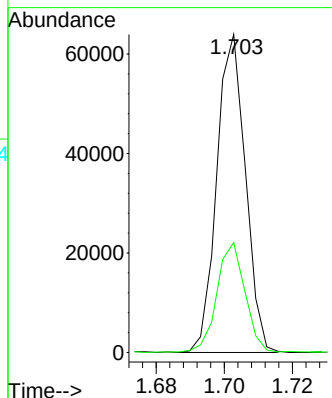
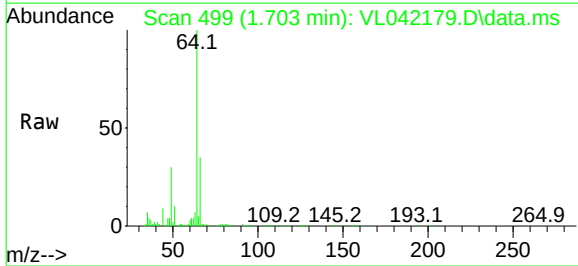
#7
Chloroethane
Concen: 8.856 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion: 64 Resp: 37400
Ion Ratio Lower Upper
64 100
66 34.5 25.2 37.8

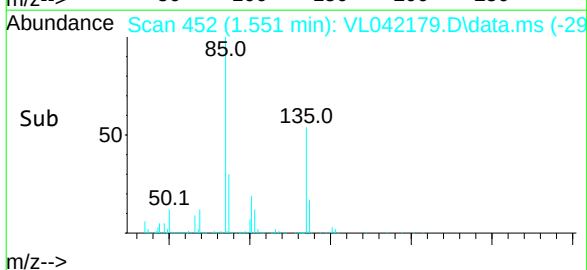
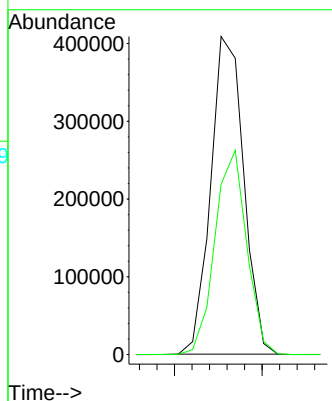
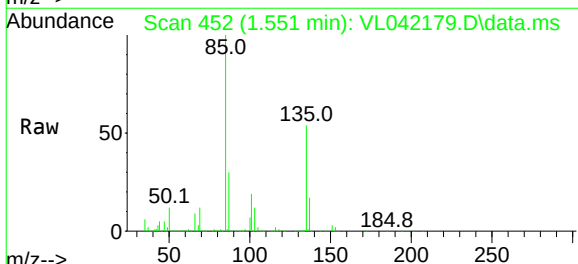
Manual Integrations
APPROVED

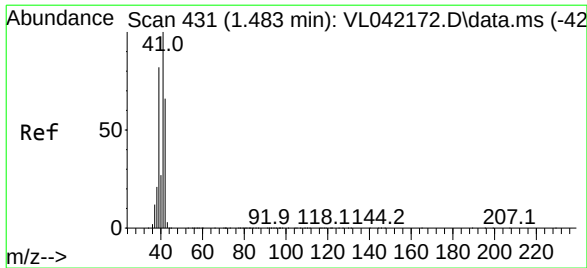
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#8
Dichlorotetrafluoroethane
Concen: 9.753 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

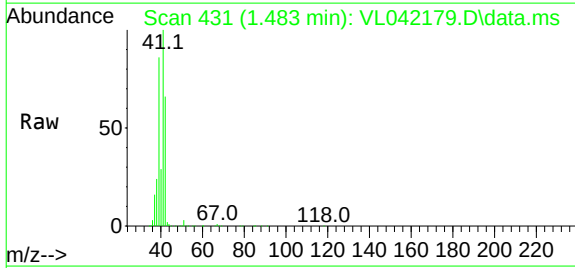
Tgt Ion: 85 Resp: 213819
Ion Ratio Lower Upper
85 100
135 61.9 52.4 78.6





#9
 Propene
 Concen: 8.739 ppbv
 RT: 1.483 min Scan# 431
 Delta R.T. -0.000 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23

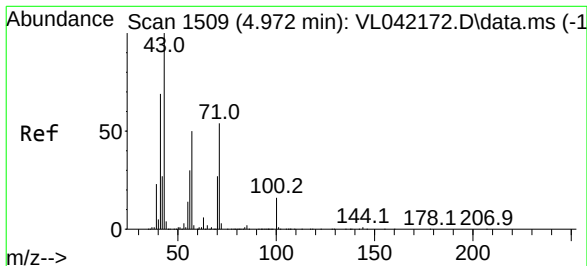
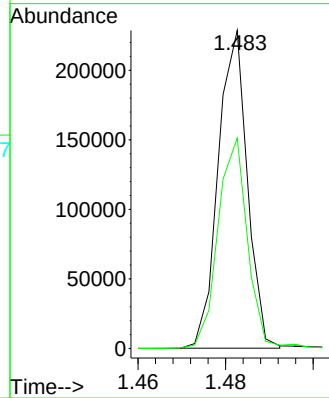
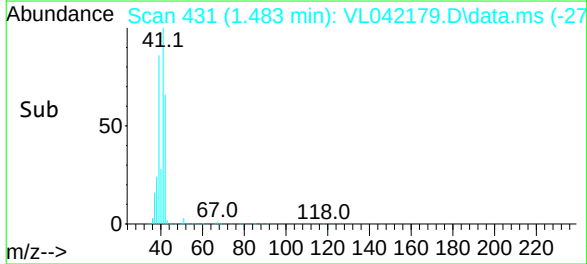
Instrument : MSVOA_L
 ClientSampleId : ICVVL032725



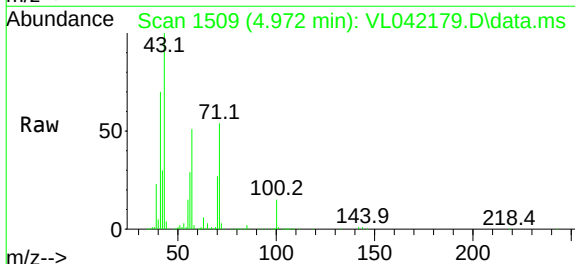
Tgt Ion: 41 Resp: 105338
 Ion Ratio Lower Upper
 41 100
 42 68.1 55.4 83.2

Manual Integrations
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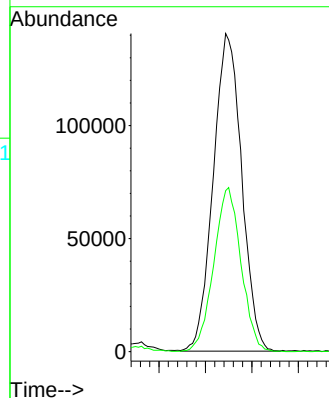
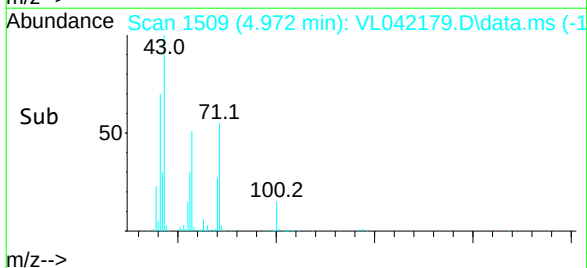
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

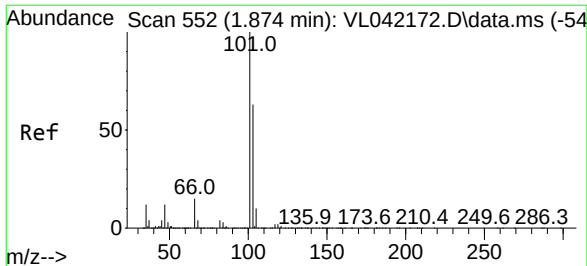


#10
 Heptane
 Concen: 9.318 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.000 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23



Tgt Ion: 43 Resp: 298768
 Ion Ratio Lower Upper
 43 100
 57 49.5 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.453 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

ICVVL032725

Tgt Ion:101 Resp: 236793

Ion Ratio Lower Upper

101 100

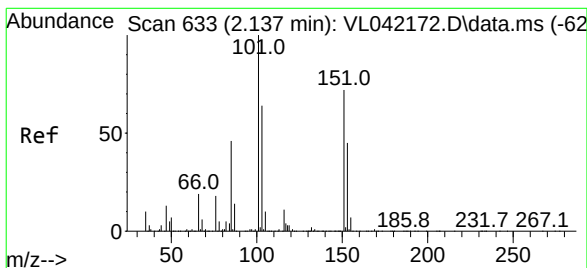
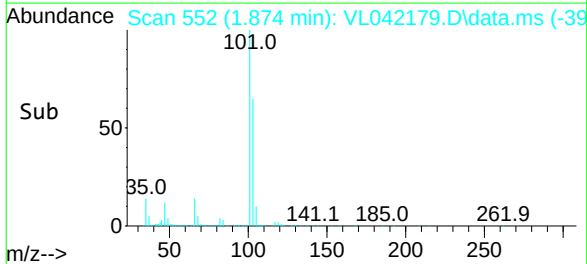
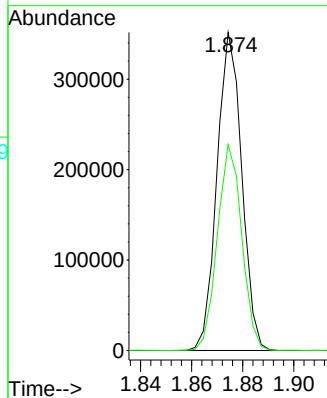
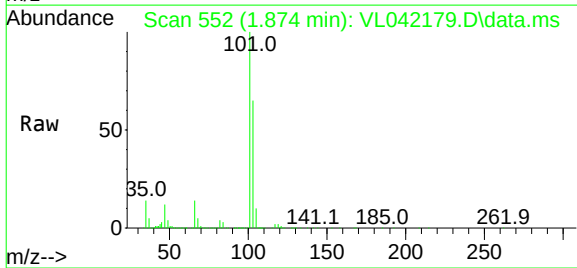
103 64.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.421 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL042179.D

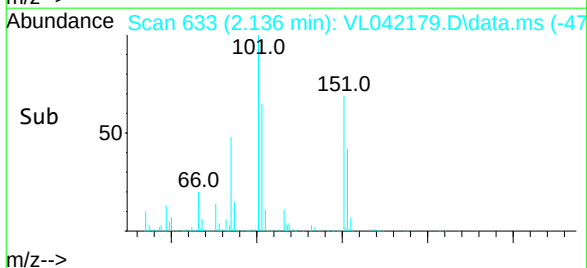
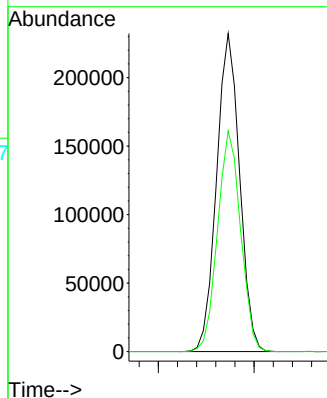
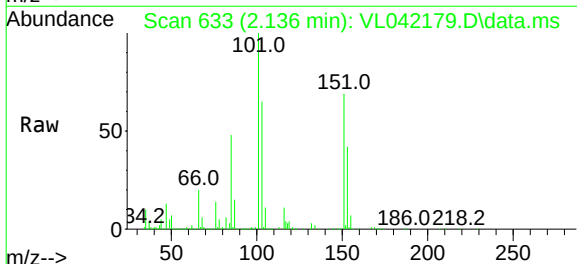
Acq: 27 Mar 2025 12:23

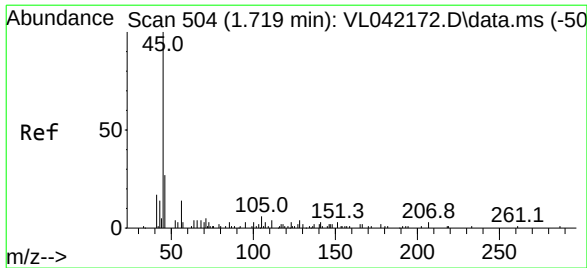
Tgt Ion:101 Resp: 193965

Ion Ratio Lower Upper

101 100

151 69.6 57.1 85.7





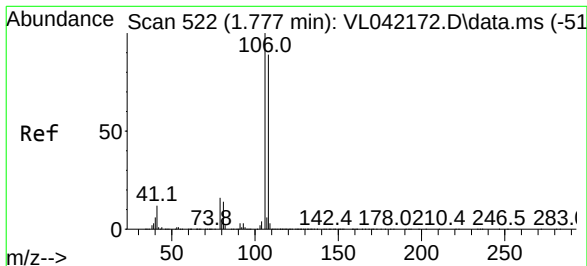
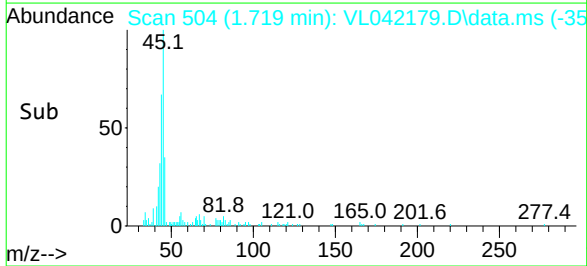
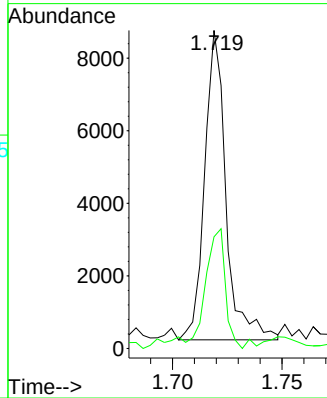
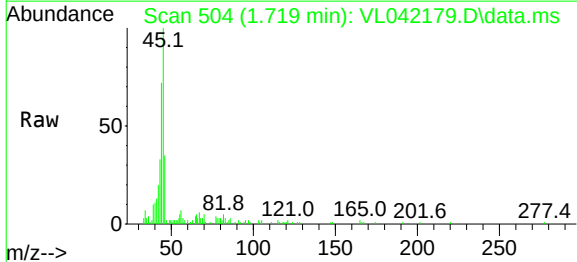
#13
Ethanol
Concen: 5.066 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion: 45 Resp: 5773
Ion Ratio Lower Upper
45 100
46 48.5 20.2 80.8

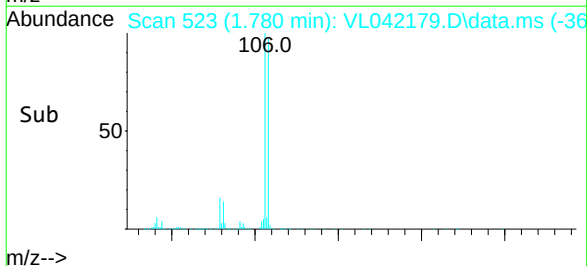
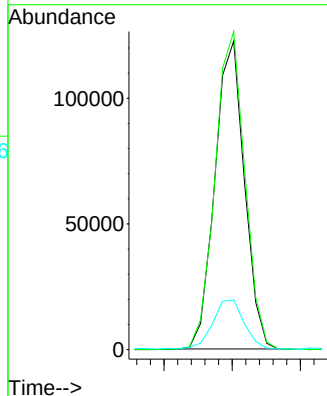
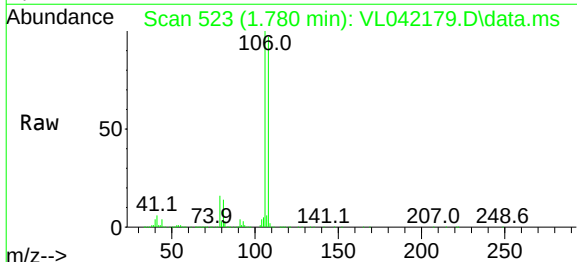
Manual Integrations
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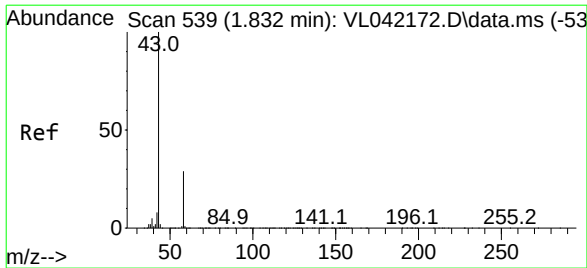
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#14
Bromoethene
Concen: 9.328 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:108 Resp: 73572
Ion Ratio Lower Upper
108 100
106 105.0 86.8 130.2
79 18.8 15.0 22.6





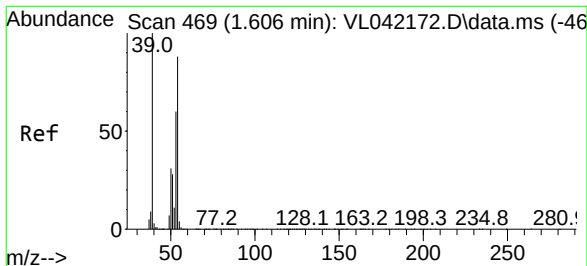
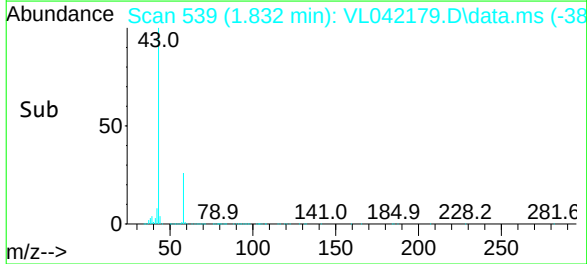
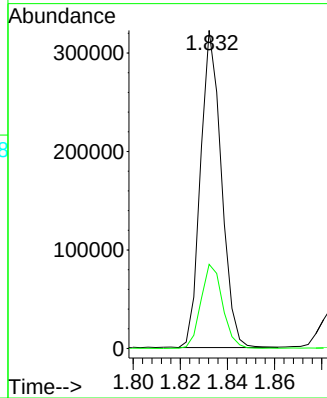
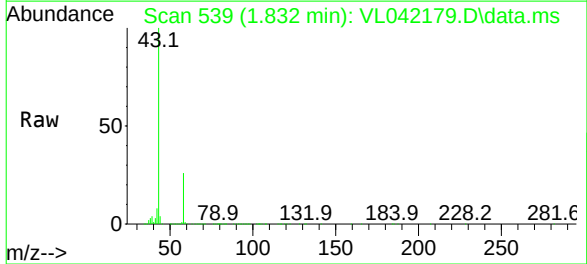
#15
Acetone
Concen: 8.132 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion: 43 Resp: 198300
Ion Ratio Lower Upper
43 100
58 27.7 23.2 34.8

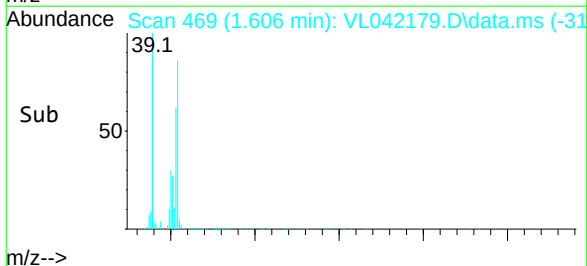
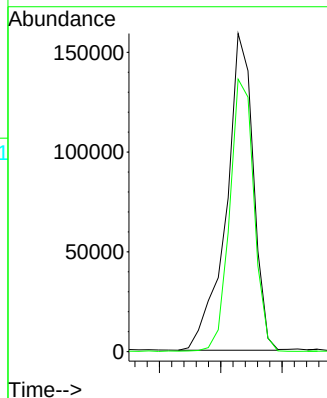
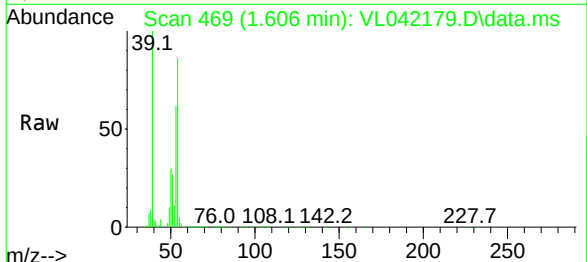
Manual Integrations
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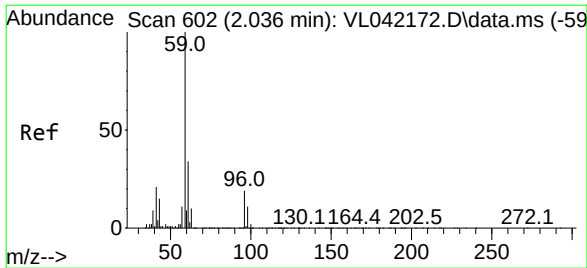
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#16
1,3-Butadiene
Concen: 8.216 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

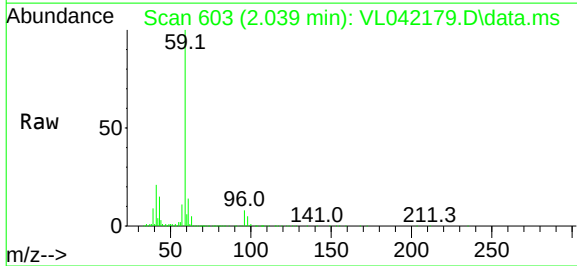
Tgt Ion: 39 Resp: 97840
Ion Ratio Lower Upper
39 100
54 76.9 60.7 91.1





#17
tert-Butyl alcohol
Concen: 9.094 ppbv
RT: 2.039 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

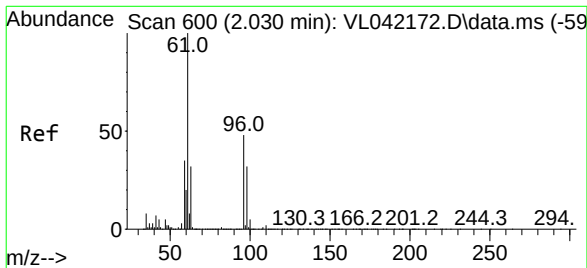
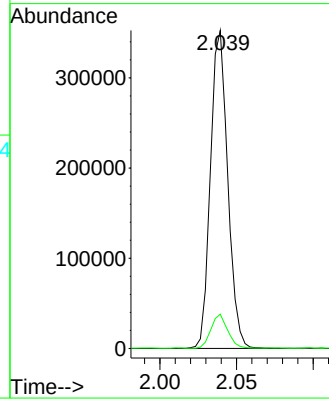
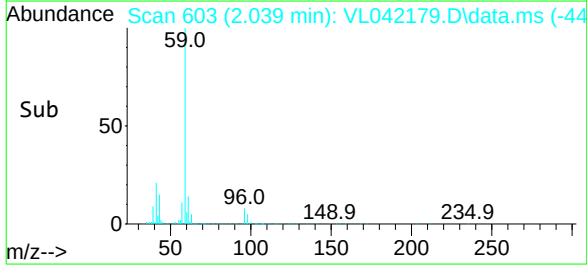
Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725



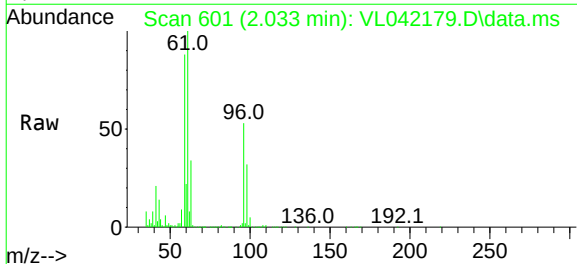
Tgt Ion: 59 Resp: 276195
Ion Ratio Lower Upper
59 100
57 10.6 8.9 13.3

Manual Integrations
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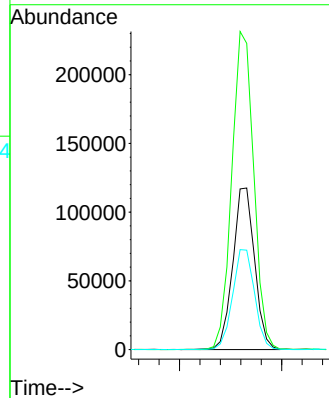
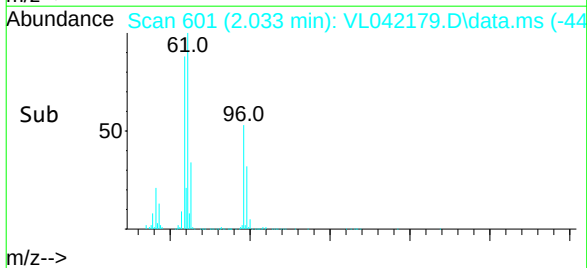
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

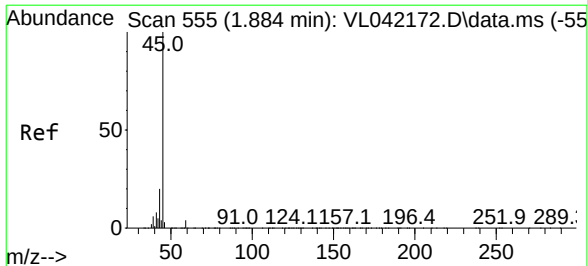


#18
1,1-Dichloroethene
Concen: 9.053 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



Tgt Ion: 96 Resp: 87137
Ion Ratio Lower Upper
96 100
61 189.6 167.6 251.4
98 61.5 53.5 80.3





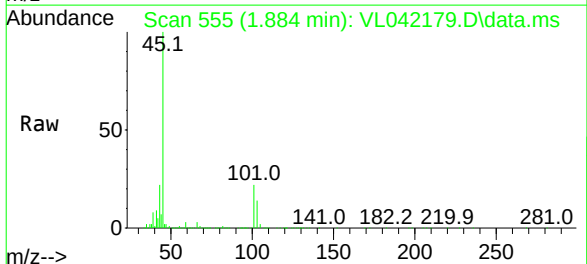
#19
Isopropyl Alcohol
Concen: 8.923 ppbv
RT: 1.884 min Scan# 555
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

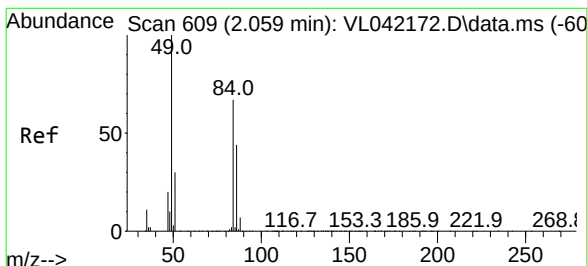
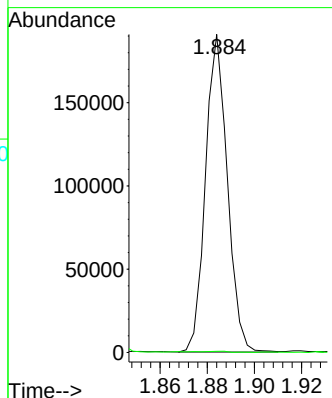
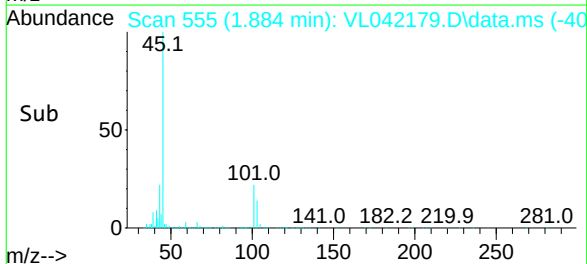
ICVVL032725



Tgt Ion: 45 Resp: 122768
Ion Ratio Lower Upper
45 100
58 44.9 36.9 55.3

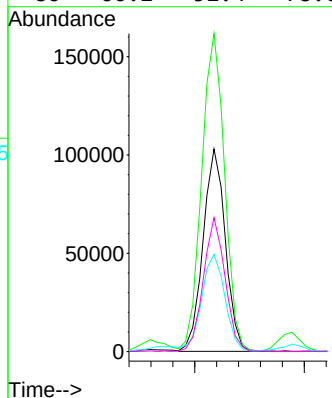
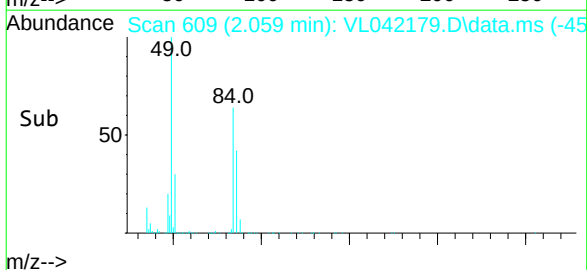
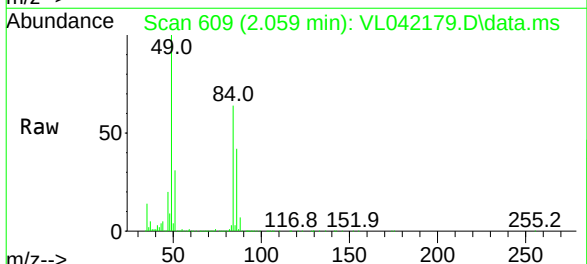
Manual Integrations
APPROVED

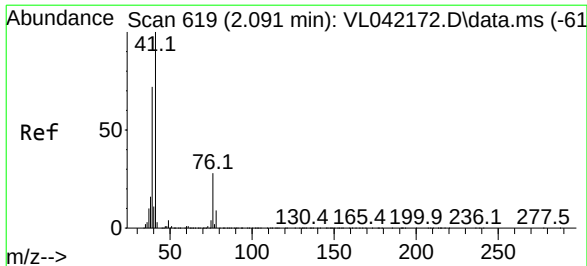
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#20
Methylene Chloride
Concen: 8.018 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 84 Resp: 72813
Ion Ratio Lower Upper
84 100
49 155.8 120.2 180.4
51 46.4 37.4 56.0
86 66.2 52.4 78.6





#21

Allyl Chloride

Concen: 9.154 ppbv

RT: 2.094 min Scan# 621

Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

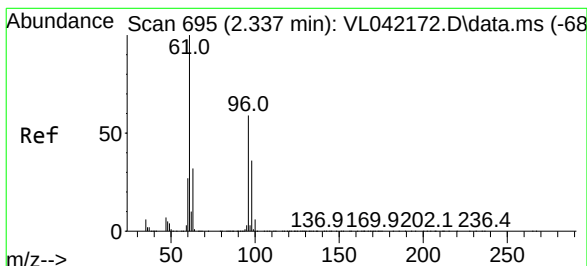
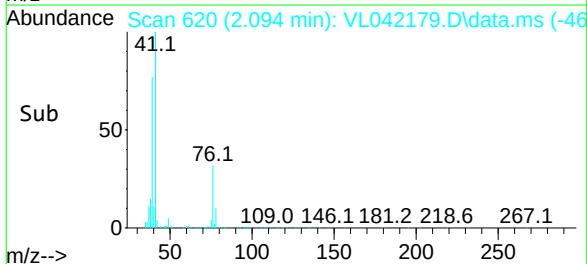
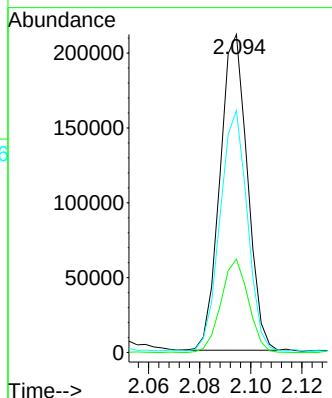
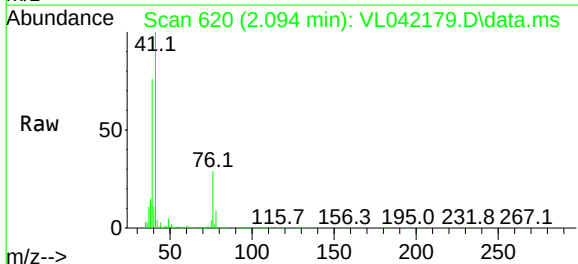
ClientSampleId :

ICVVL032725

Tgt Ion:	41	Resp:	157418
Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.1	36.1
39	75.5	61.1	91.7

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#22

trans-1,2-Dichloroethene

Concen: 9.092 ppbv

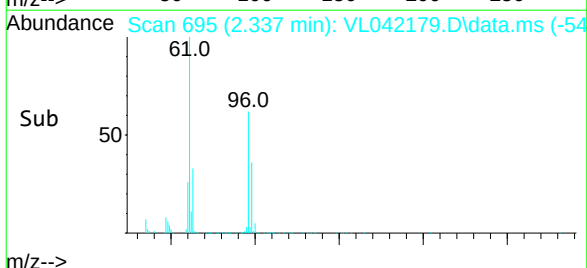
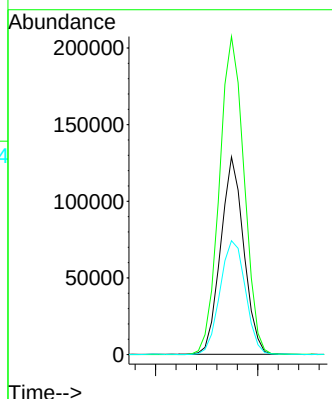
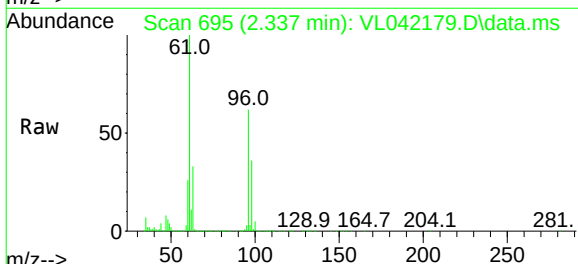
RT: 2.337 min Scan# 695

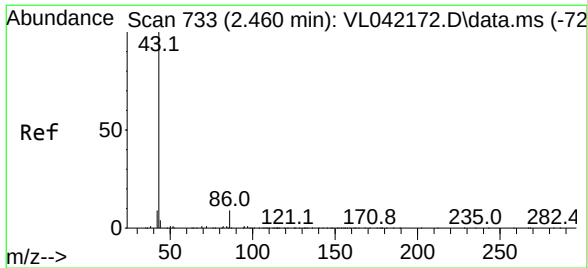
Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Tgt Ion:	96	Resp:	101141
Ion	Ratio	Lower	Upper
96	100		
61	161.2	136.6	204.8
98	57.7	49.4	74.2





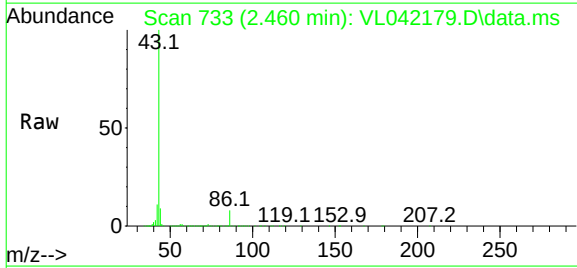
#23
 Vinyl Acetate
 Concen: 8.553 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. -0.000 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

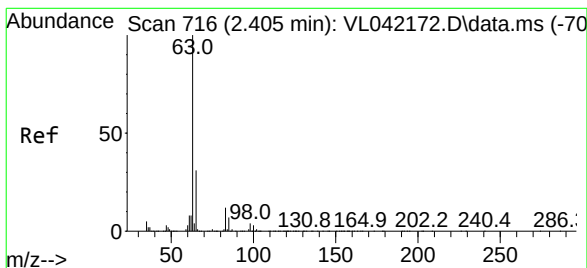
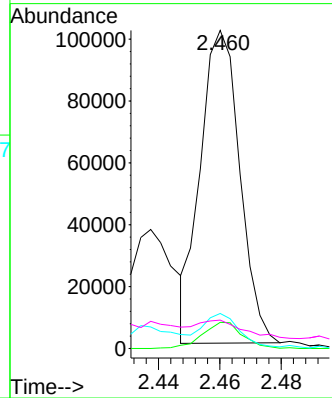
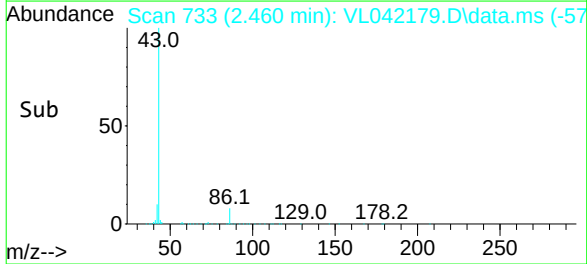
ICVVL032725



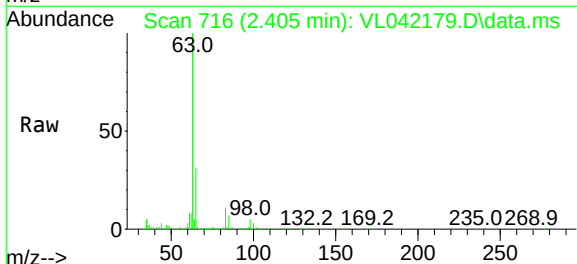
Tgt Ion:	43	Resp:	90260
Ion	Ratio	Lower	Upper
43	100		
86	8.3	5.5	8.3
42	10.7	8.6	13.0
44	5.5	6.2	9.4

Manual Integrations
 APPROVED

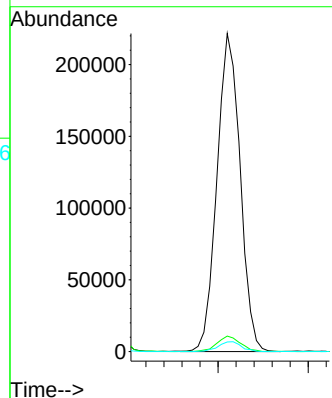
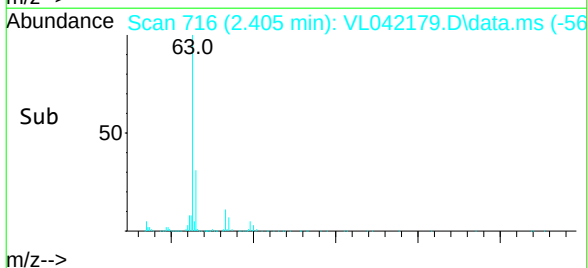
Reviewed By :Semsettin Yesilyurt 03/31/2025
 Supervised By :Mahesh Dadoda 04/03/2025

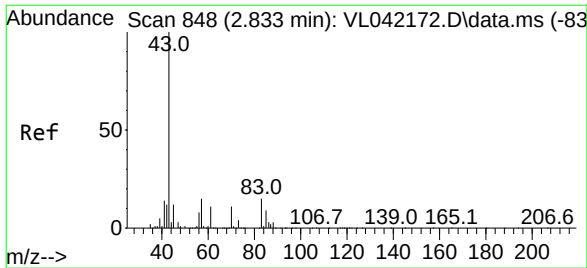


#24
 1,1-Dichloroethane
 Concen: 9.600 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23



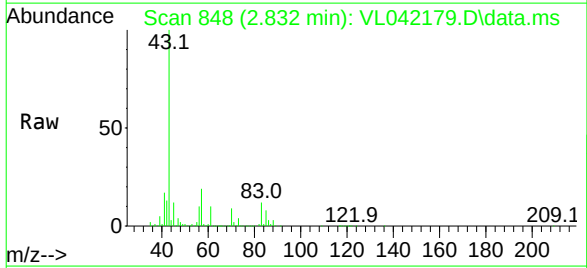
Tgt Ion:	63	Resp:	197968
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.8
100	3.0	1.6	4.7





#25
Ethyl Acetate
Concen: 9.364 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

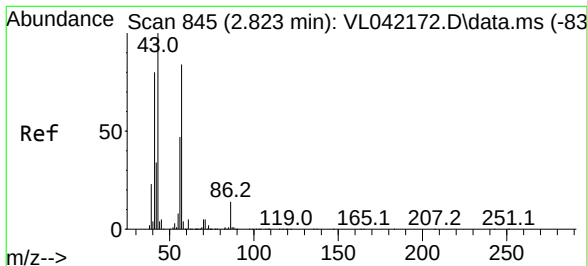
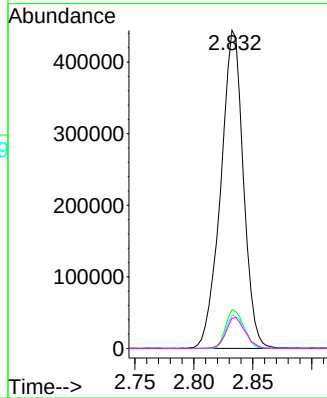
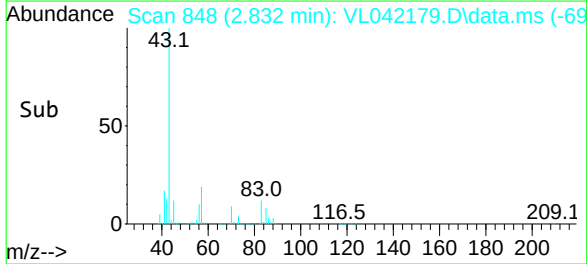
Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725



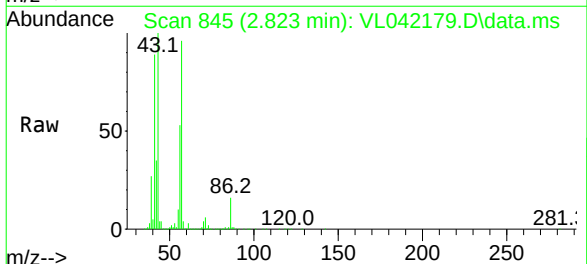
Tgt Ion:	43	Resp:	592585
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	8.7	7.3	10.9
70	8.4	7.2	10.8

Manual Integrations
APPROVED

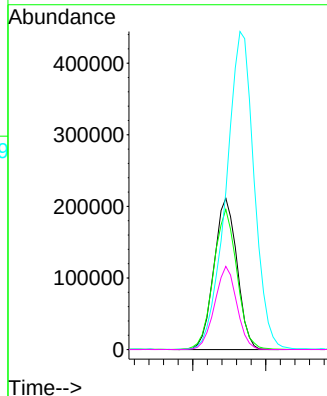
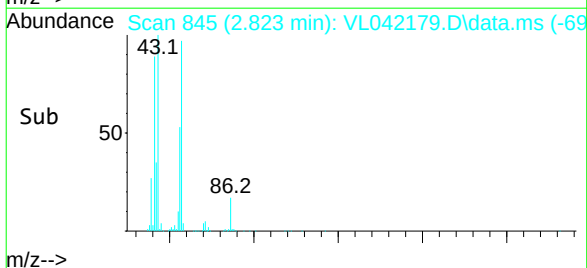
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

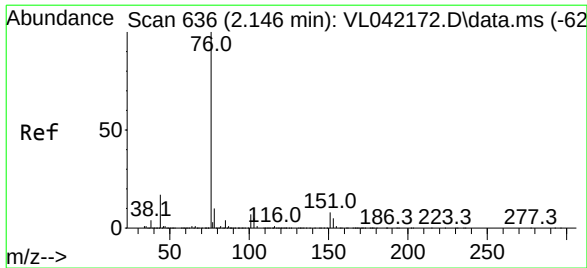


#26
Hexane
Concen: 9.455 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



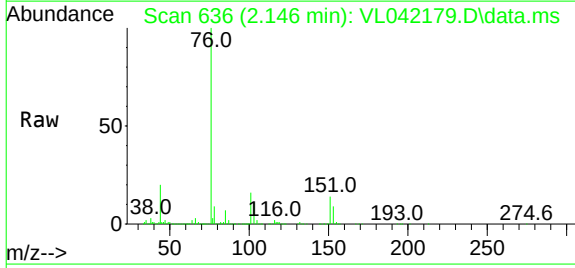
Tgt Ion:	57	Resp:	231125
Ion	Ratio	Lower	Upper
57	100		
41	95.2	76.6	114.8
43	256.8	207.8	311.8
56	53.0	43.6	65.4





#27
Carbon Disulfide
Concen: 9.493 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

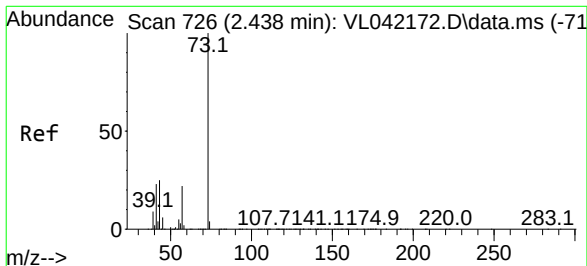
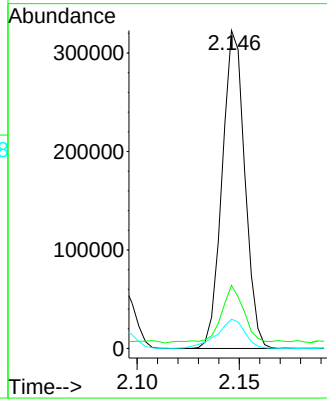
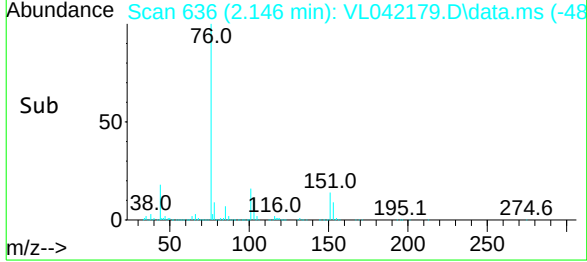
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



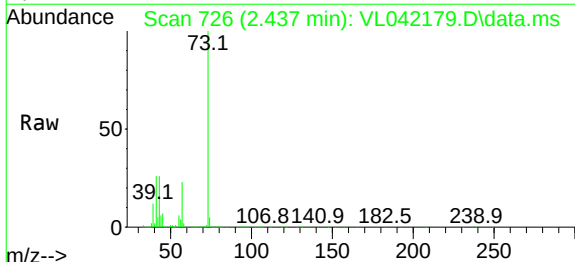
Tgt Ion: 76 Resp: 248834
Ion Ratio Lower Upper
76 100
44 20.1 14.7 22.1
78 11.3 9.3 13.9

Manual Integrations
APPROVED

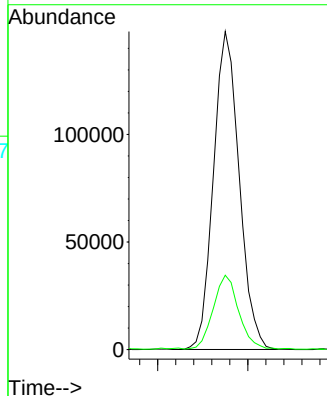
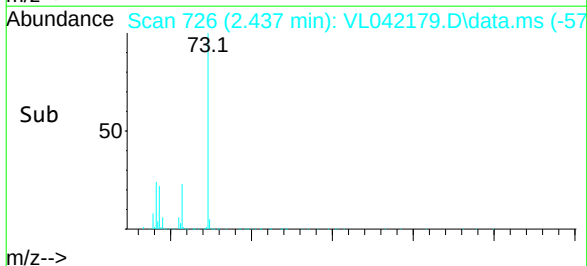
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

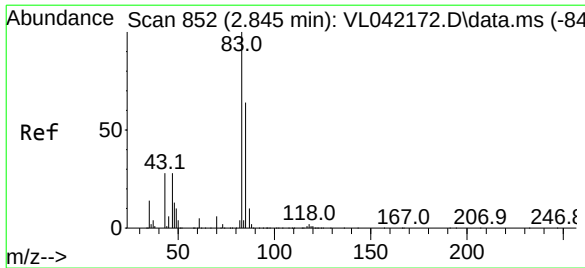


#28
Methyl tert-Butyl Ether
Concen: 9.624 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



Tgt Ion: 73 Resp: 146470
Ion Ratio Lower Upper
73 100
57 23.3 20.5 30.7





#29

Chloroform

Concen: 9.619 ppbv

RT: 2.845 min Scan# 85

Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

ICVVL032725

Tgt Ion: 83 Resp: 344106

Ion Ratio Lower Upper

83 100

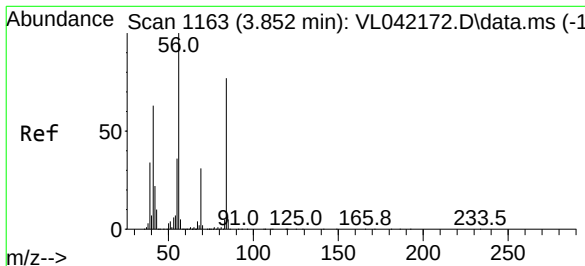
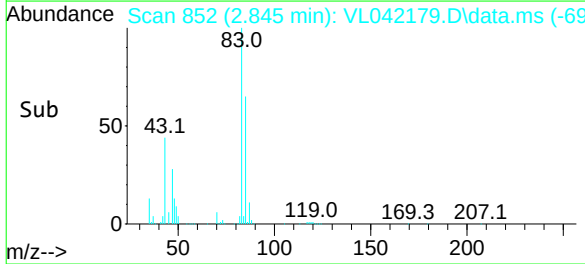
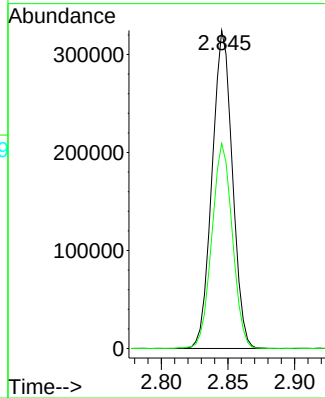
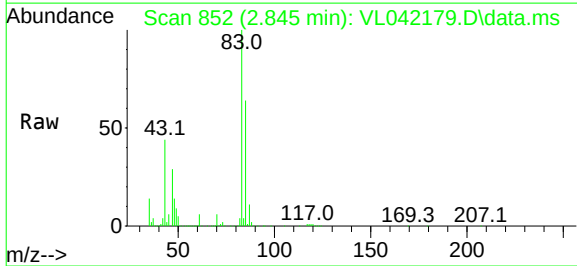
85 64.5 51.4 77.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#30

Cyclohexane

Concen: 9.323 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

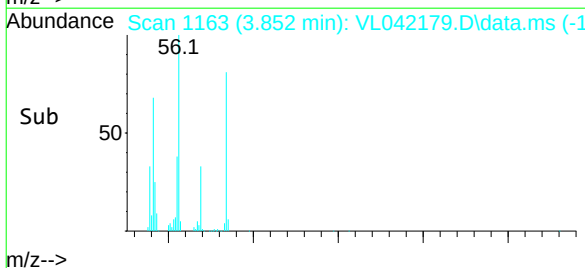
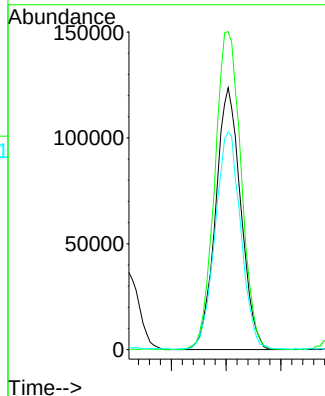
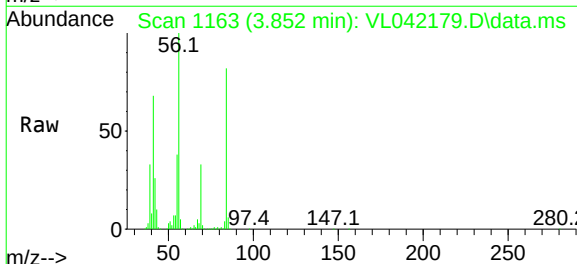
Tgt Ion: 84 Resp: 197897

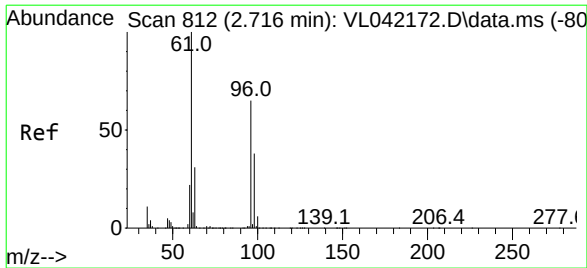
Ion Ratio Lower Upper

84 100

56 126.8 102.8 154.2

41 84.6 66.5 99.7





#31

cis-1,2-Dichloroethene

Concen: 9.449 ppbv

RT: 2.719 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

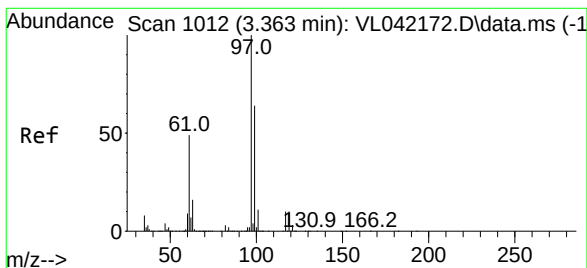
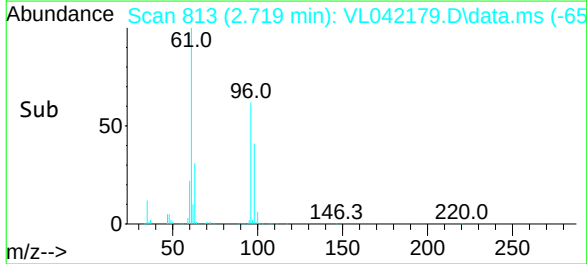
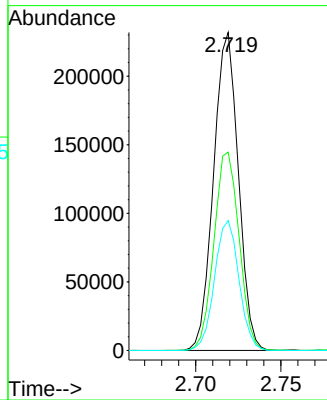
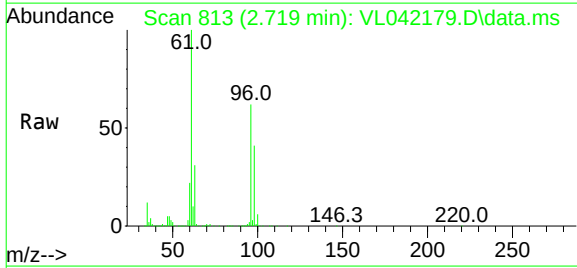
ICVVL032725

Tgt Ion:	61	Resp:	234487
Ion	Ratio	Lower	Upper
61	100		
96	62.3	51.8	77.8
98	40.9	30.6	46.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#32

1,1,1-Trichloroethane

Concen: 8.921 ppbv

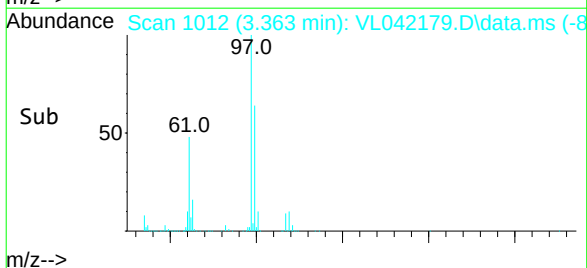
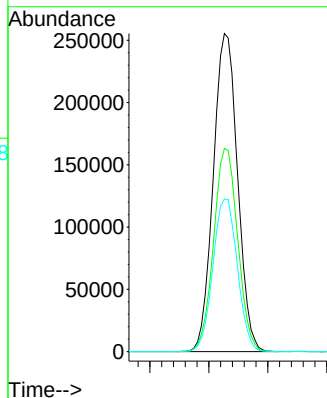
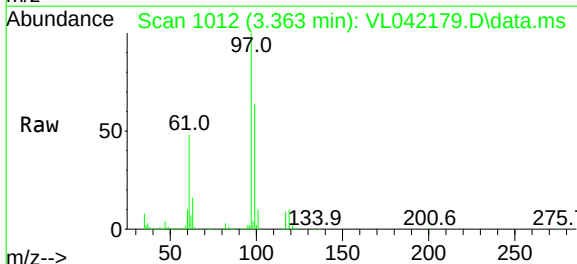
RT: 3.363 min Scan# 1012

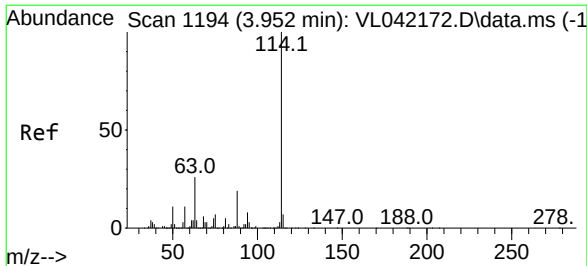
Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

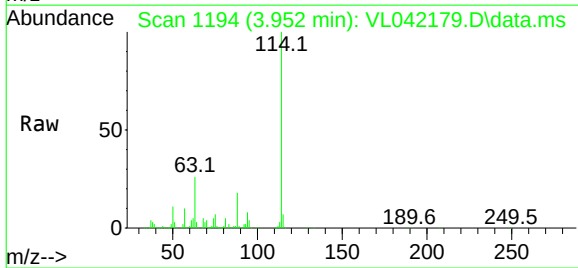
Tgt Ion:	97	Resp:	365364
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	48.4	38.7	58.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

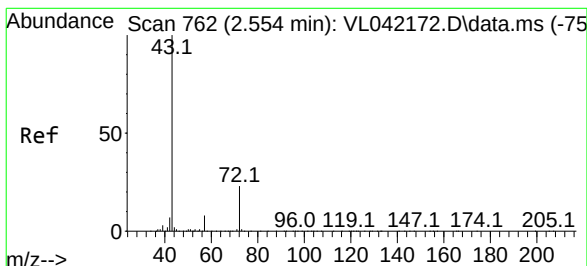
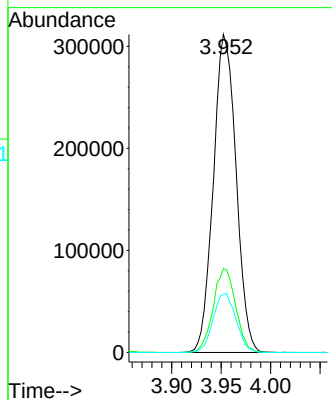
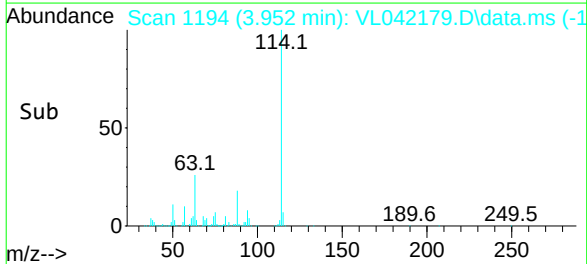
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



Tgt Ion: 114 Resp: 498105
Ion Ratio Lower Upper
114 100
63 26.1 20.7 31.1
88 18.7 15.0 22.4

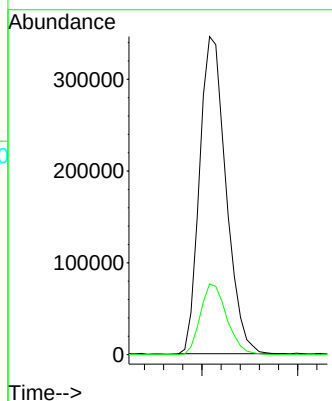
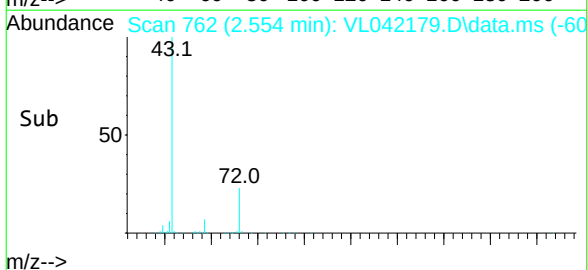
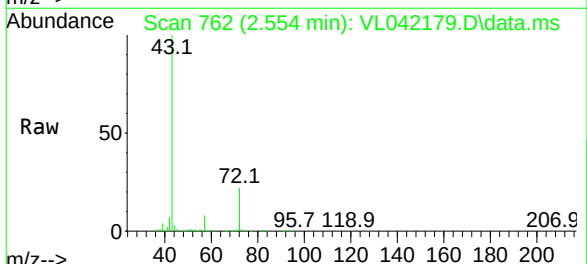
Manual Integrations
APPROVED

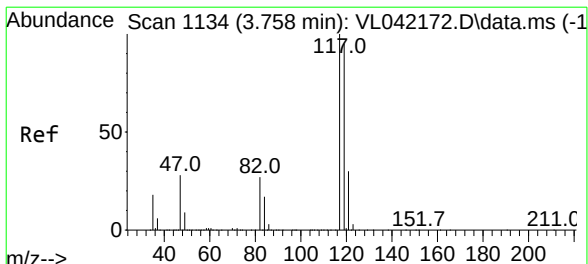
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#34
2-Butanone
Concen: 9.171 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

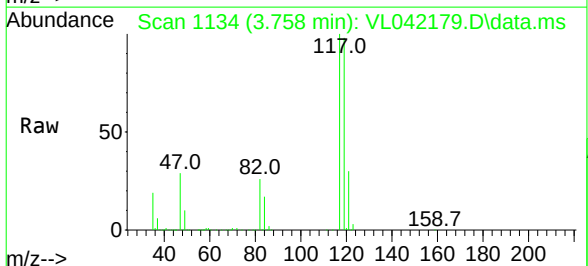
Tgt Ion: 43 Resp: 331236
Ion Ratio Lower Upper
43 100
72 22.2 18.2 27.2





#35
Carbon Tetrachloride
Concen: 9.339 ppbv
RT: 3.758 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

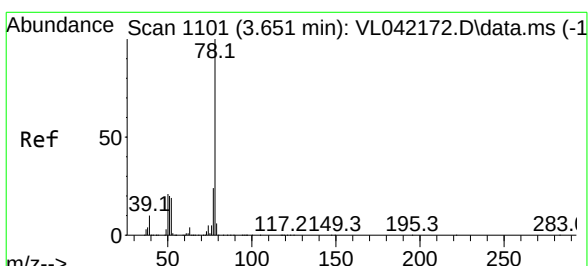
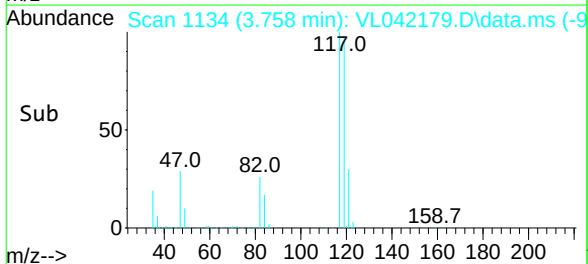
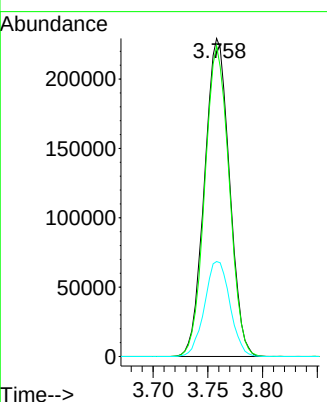
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



Tgt Ion: 117 Resp: 363392

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
121	29.9	24.2	36.4

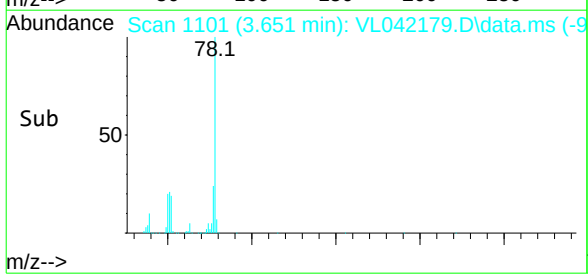
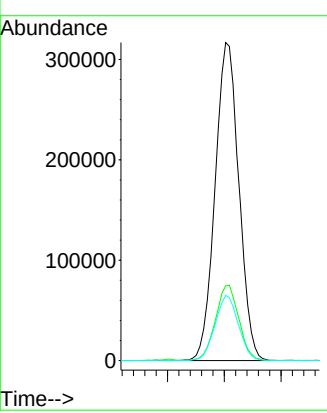
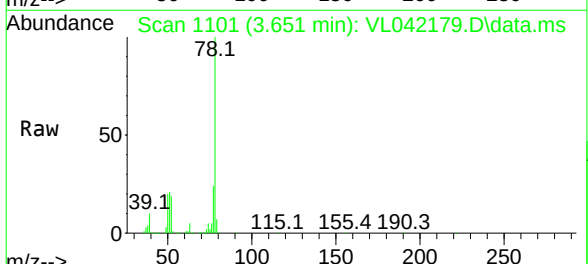
Manual Integrations
APPROVED
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025

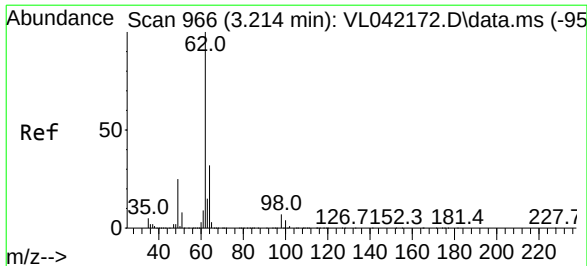


#36
Benzene
Concen: 9.341 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 78 Resp: 461261

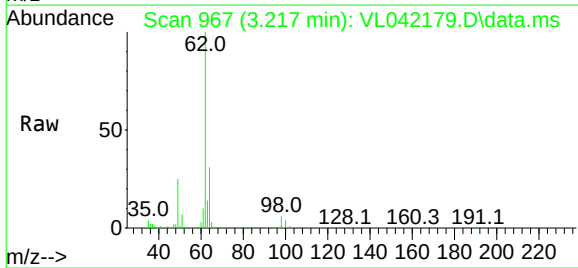
Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
50	20.4	16.6	24.8





#37
1,2-Dichloroethane
Concen: 9.676 ppbv
RT: 3.217 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

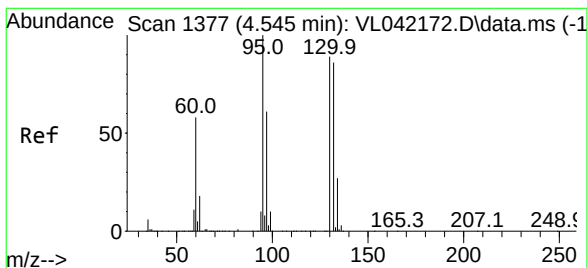
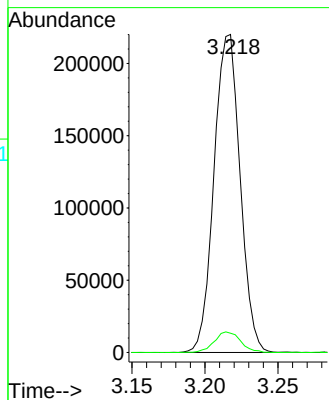
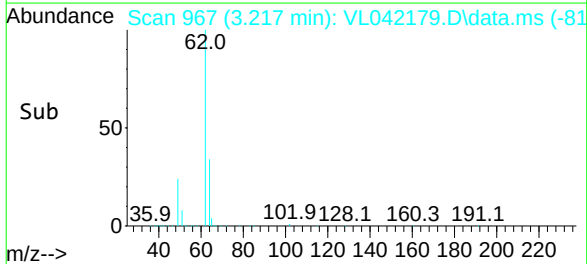
Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725



Tgt Ion: 62 Resp: 273559
Ion Ratio Lower Upper
62 100
98 6.6 5.4 8.2

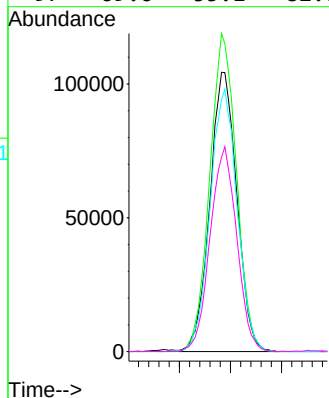
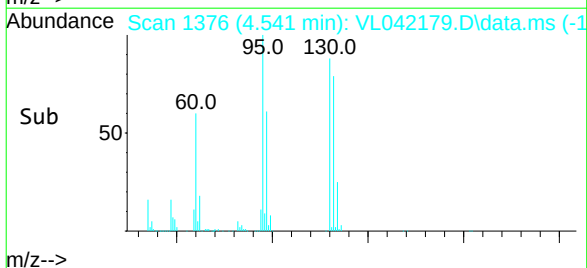
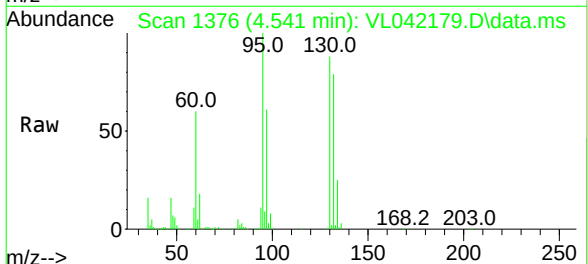
Manual Integrations
APPROVED

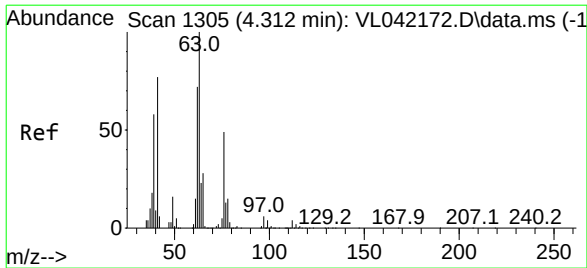
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#38
Trichloroethene
Concen: 9.306 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

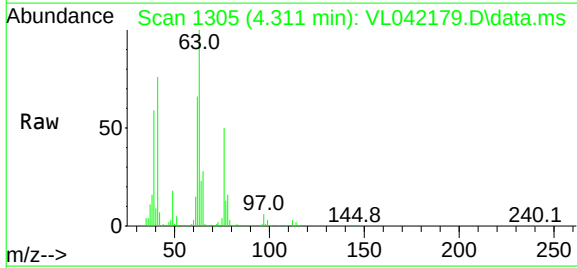
Tgt Ion:130 Resp: 191746
Ion Ratio Lower Upper
130 100
95 113.9 89.8 134.8
132 90.3 77.4 116.2
97 69.6 55.1 82.7





#39
1,2-Dichloropropane
Concen: 9.500 ppbv
RT: 4.311 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

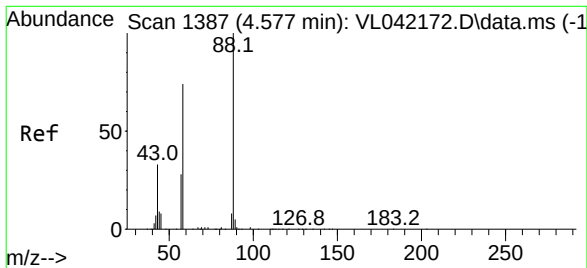
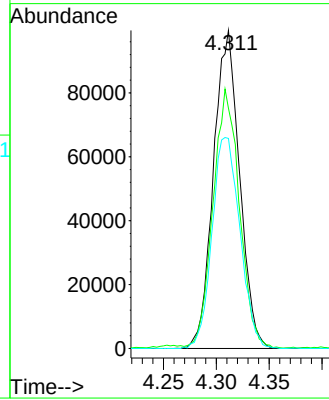
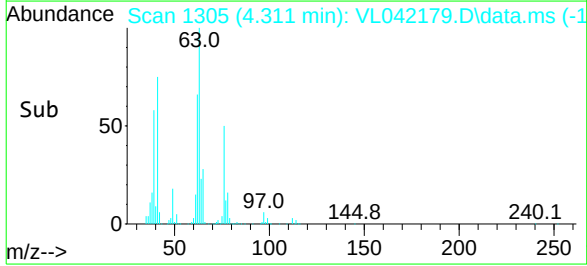
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



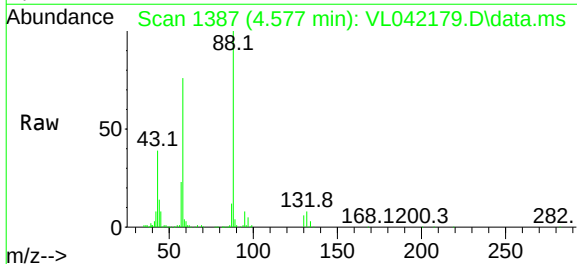
Tgt Ion: 63 Resp: 170839
Ion Ratio Lower Upper
63 100
41 75.3 61.7 92.5
62 66.0 57.6 86.4

Manual Integrations
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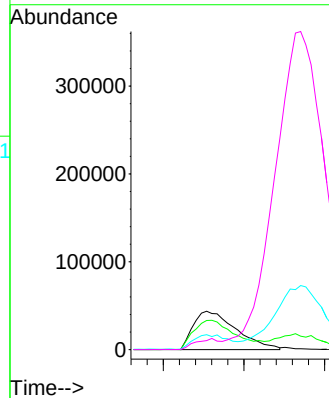
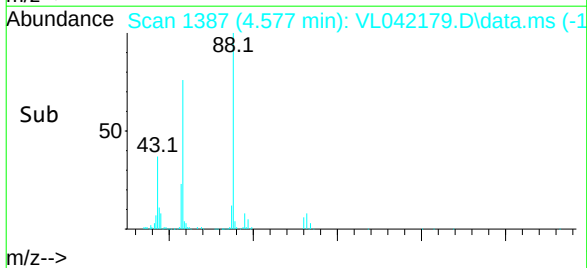
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

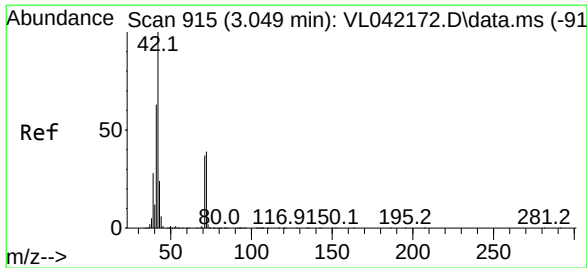


#40
1,4-Dioxane
Concen: 8.443 ppbv
RT: 4.577 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



Tgt Ion: 88 Resp: 80592
Ion Ratio Lower Upper
88 100
58 76.2 62.7 94.1
43 31.4 23.0 34.4
57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.431 ppbv

RT: 3.052 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

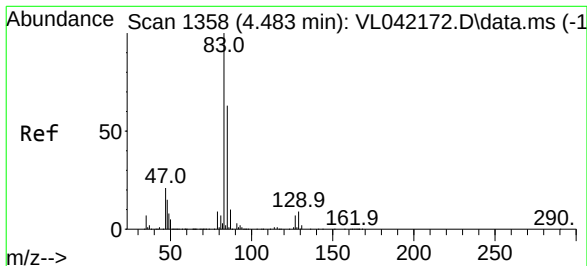
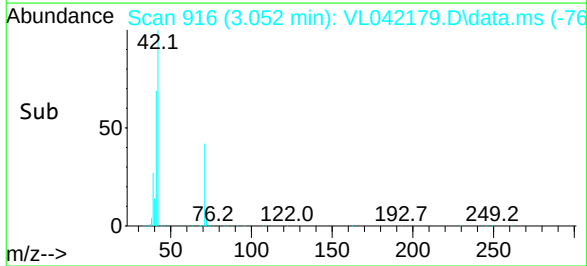
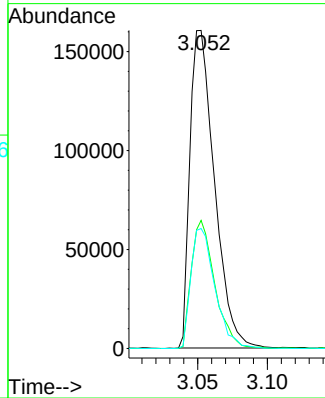
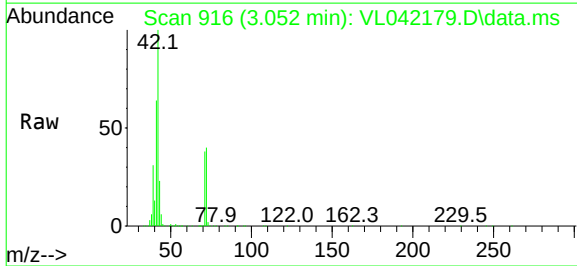
ICVVL032725

Tgt Ion:	42	Resp:	196163
Ion	Ratio	Lower	Upper
42	100		
72	38.9	31.4	47.0
71	37.2	30.2	45.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#42

Bromodichloromethane

Concen: 9.853 ppbv

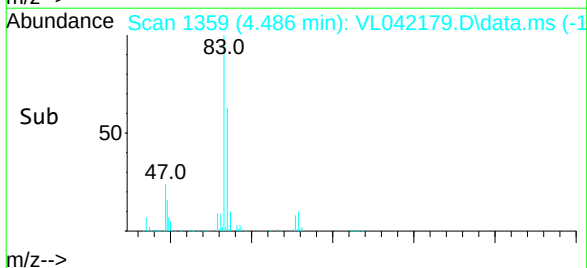
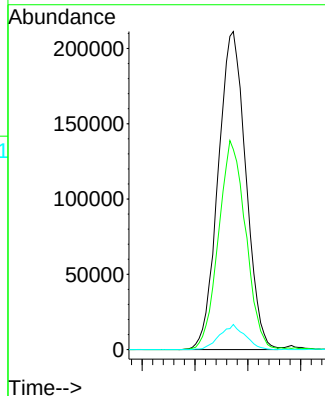
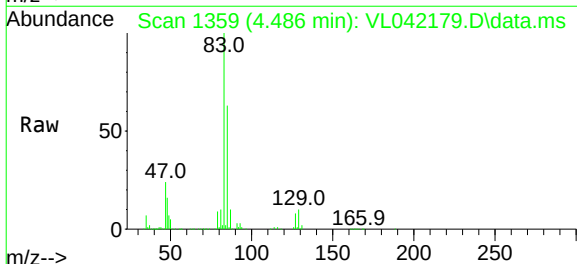
RT: 4.486 min Scan# 1359

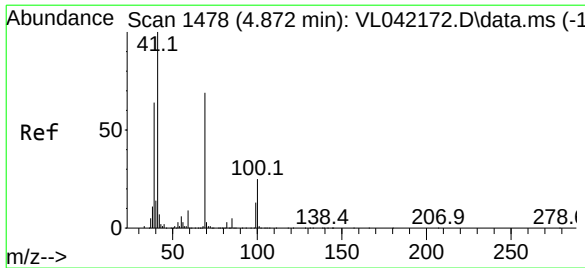
Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Tgt Ion:	83	Resp:	384006
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	7.9	5.9	8.9





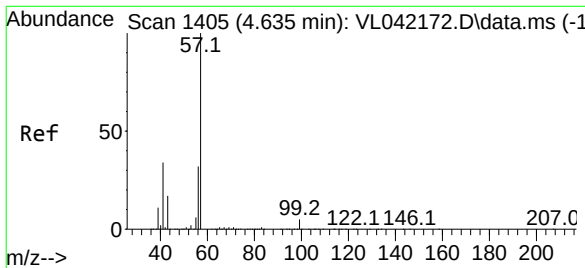
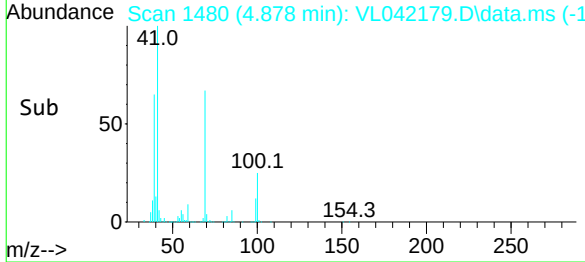
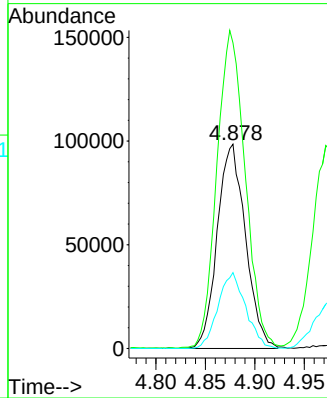
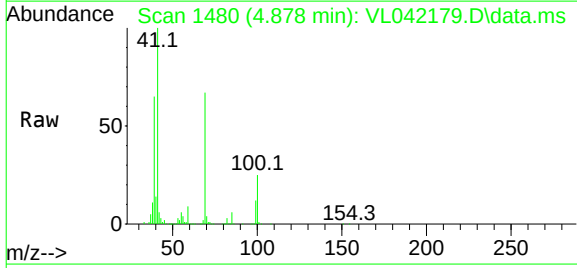
#43
Methyl Methacrylate
Concen: 9.344 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion: 69 Resp: 195339
Ion Ratio Lower Upper
69 100
41 156.4 123.8 185.6
100 36.4 28.4 42.6

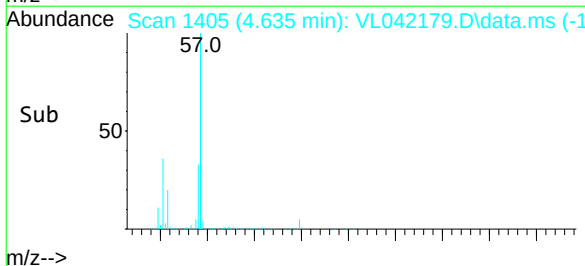
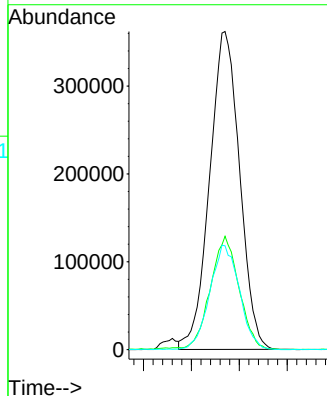
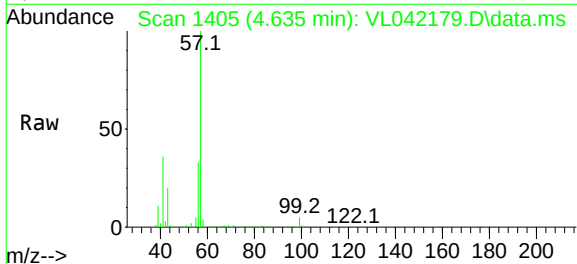
Manual Integrations
APPROVED

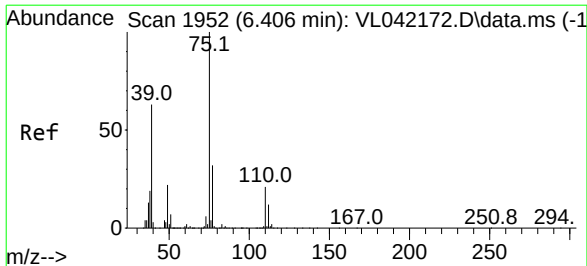
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#44
2,2,4-Trimethylpentane
Concen: 9.436 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

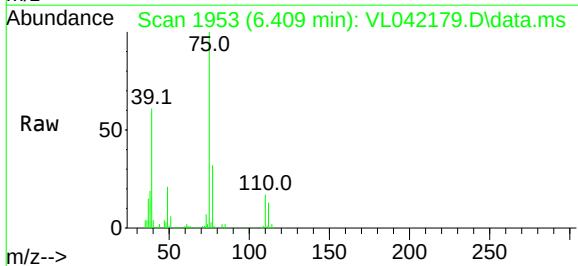
Tgt Ion: 57 Resp: 787400
Ion Ratio Lower Upper
57 100
41 34.3 26.8 40.2
56 32.5 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 9.467 ppbv
RT: 6.409 min Scan# 1952
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

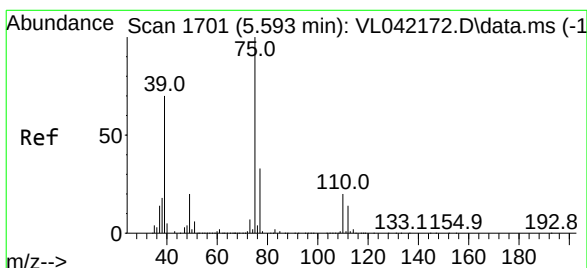
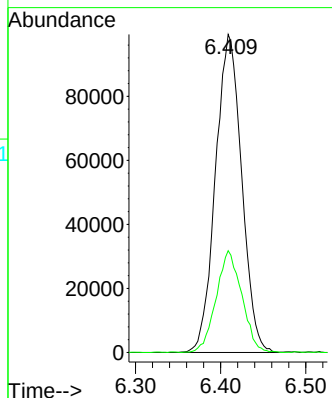
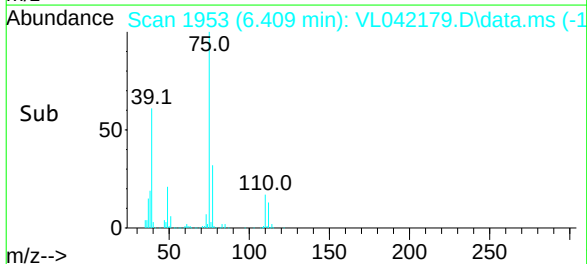
Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725



Tgt Ion: 75 Resp: 212335
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0

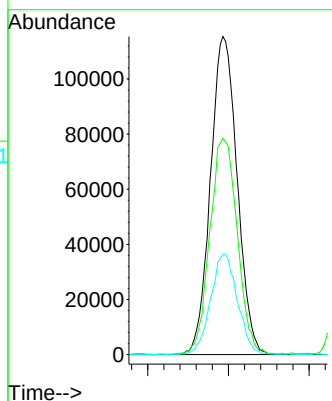
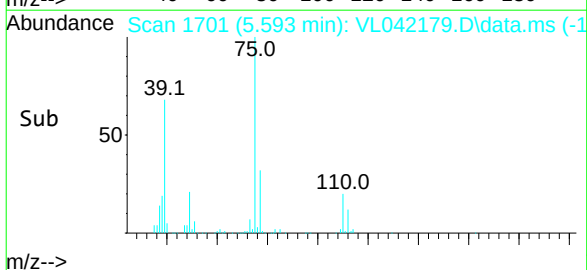
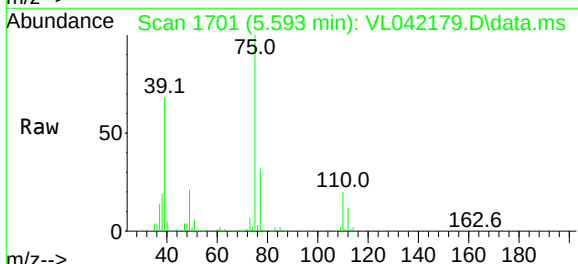
Manual Integrations
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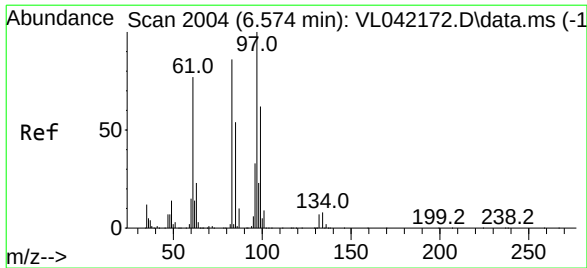
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#46
cis-1,3-Dichloropropene
Concen: 9.643 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

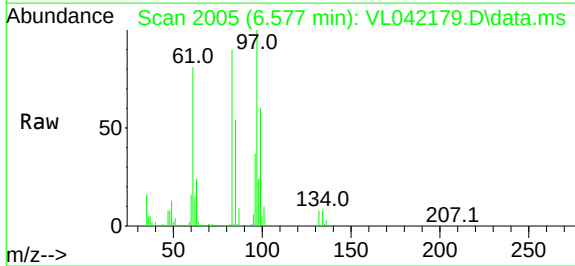
Tgt Ion: 75 Resp: 265101
Ion Ratio Lower Upper
75 100
39 67.8 55.8 83.6
77 31.6 26.0 39.0





#47
1,1,2-Trichloroethane
Concen: 9.638 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

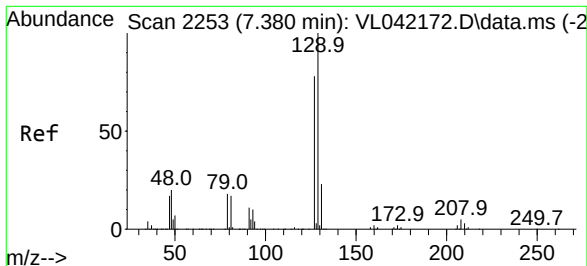
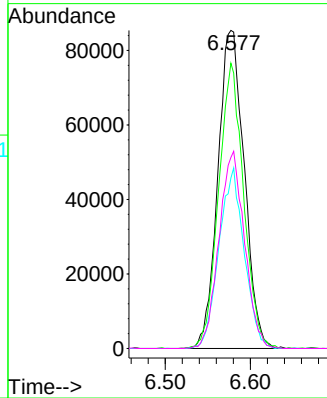
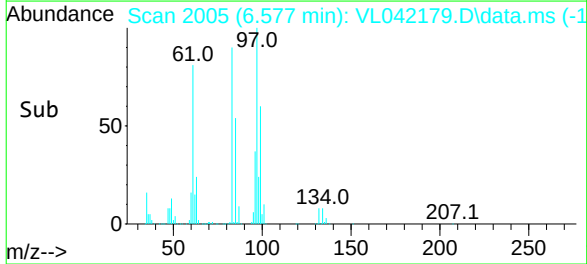
Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725



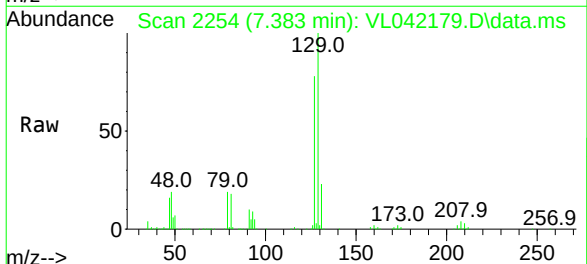
Tgt Ion: 97 Resp: 183228
Ion Ratio Lower Upper
97 100
83 89.7 69.2 103.8
85 53.6 43.1 64.7
99 60.1 49.4 74.2

Manual Integrations
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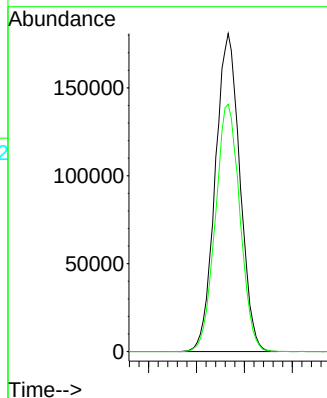
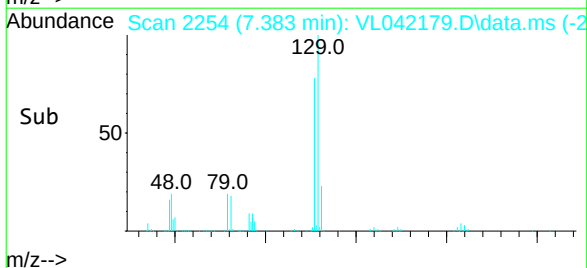
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

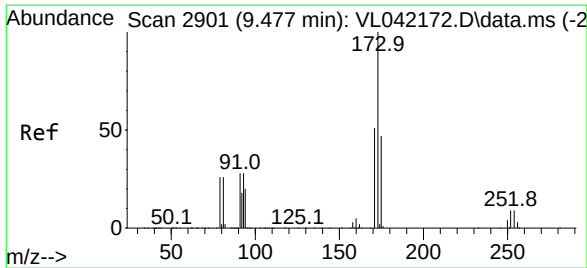


#48
Dibromochloromethane
Concen: 10.018 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



Tgt Ion:129 Resp: 322766
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





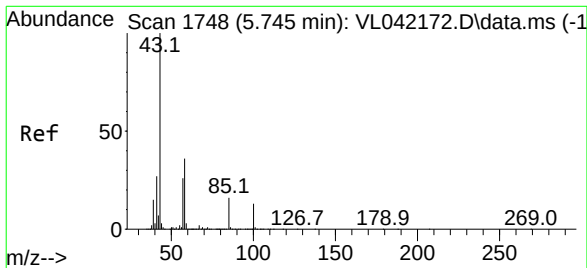
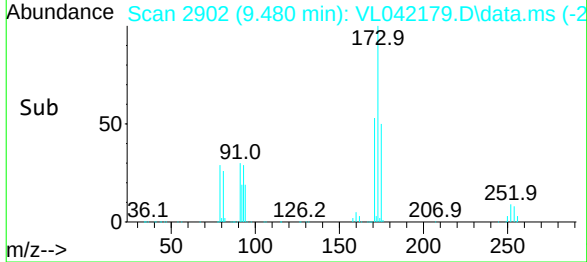
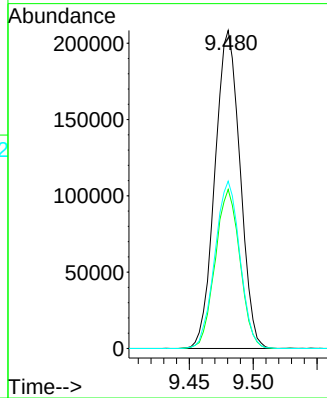
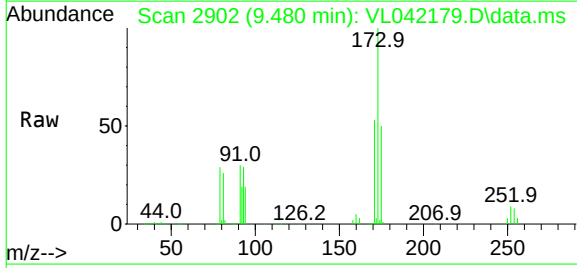
#49
Bromoform
Concen: 9.858 ppbv
RT: 9.480 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725

Tgt Ion: 173 Resp: 285149
Ion Ratio Lower Upper
173 100
175 49.2 38.6 57.8
171 52.4 41.8 62.6

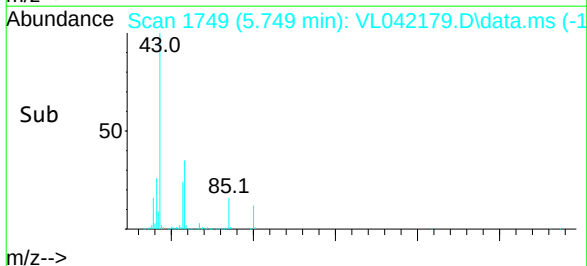
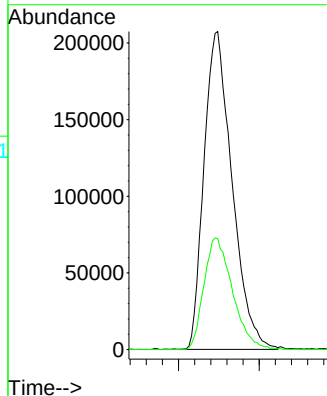
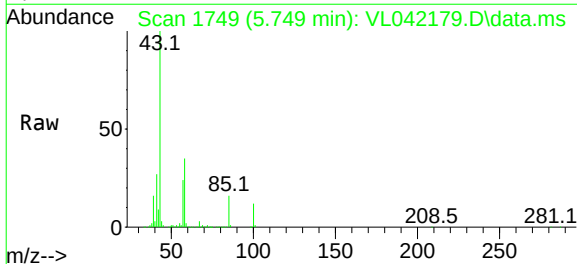
Manual Integrations
APPROVED

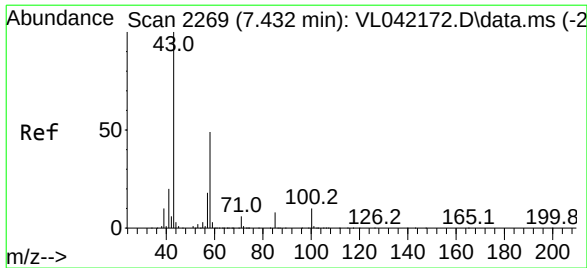
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025



#50
4-Methyl-2-Pentanone
Concen: 8.749 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

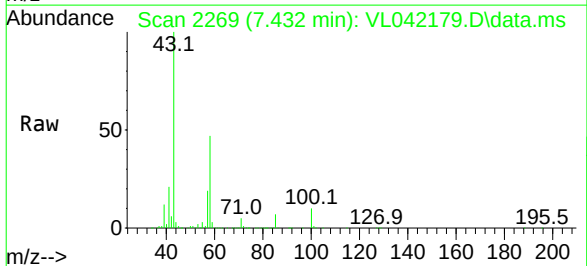
Tgt Ion: 43 Resp: 500791
Ion Ratio Lower Upper
43 100
58 35.8 29.0 43.6





#51
2-Hexanone
Concen: 8.741 ppbv
RT: 7.432 min Scan# 2269
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

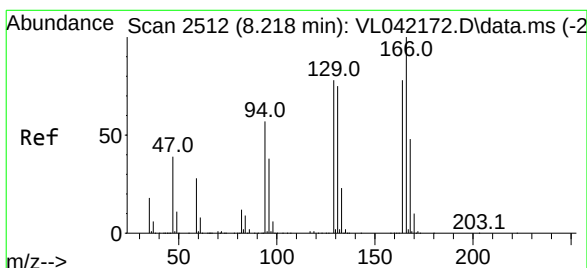
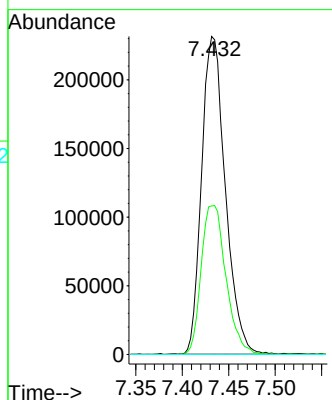
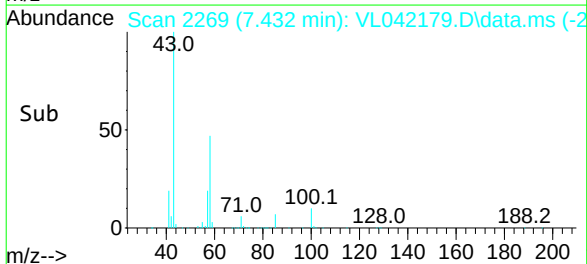
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



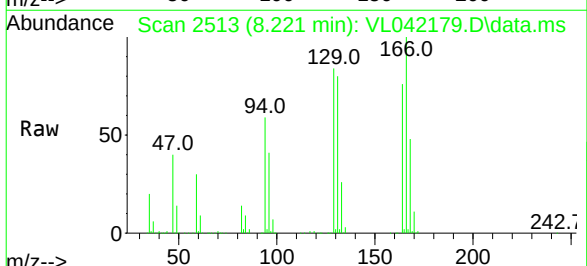
Tgt Ion: 43 Resp: 410889
Ion Ratio Lower Upper
43 100
58 48.9 39.7 59.5
98 0.0 0.1 0.1

Manual Integrations
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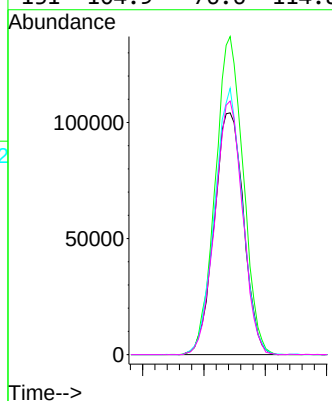
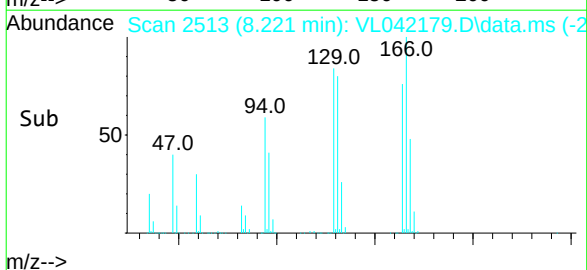
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

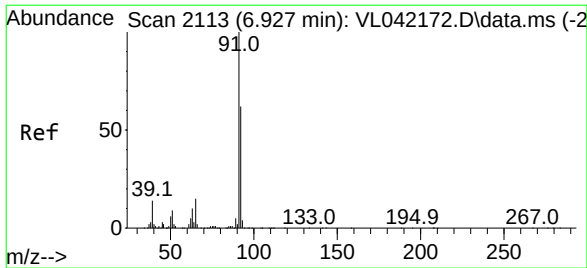


#52
Tetrachloroethene
Concen: 8.855 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



Tgt Ion:164 Resp: 173420
Ion Ratio Lower Upper
164 100
166 131.6 102.5 153.7
129 110.1 79.8 119.8
131 104.9 76.6 114.8





#53

Toluene

Concen: 9.514 ppbv

RT: 6.927 min Scan# 2113

Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

ICVVL032725

Tgt Ion: 91 Resp: 556897

Ion Ratio Lower Upper

91 100

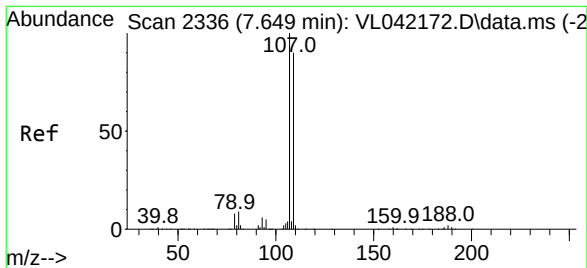
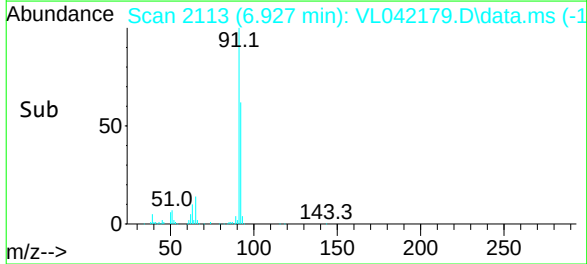
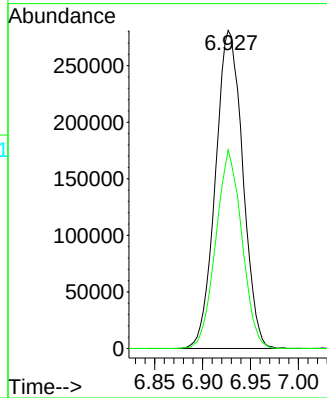
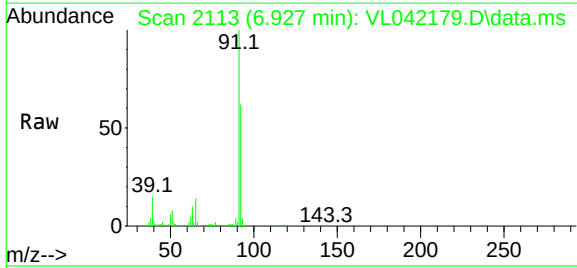
92 59.8 48.4 72.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#54

1,2-Dibromoethane

Concen: 9.695 ppbv

RT: 7.645 min Scan# 2335

Delta R.T. -0.003 min

Lab File: VL042179.D

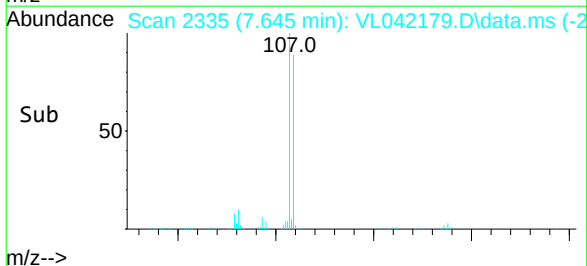
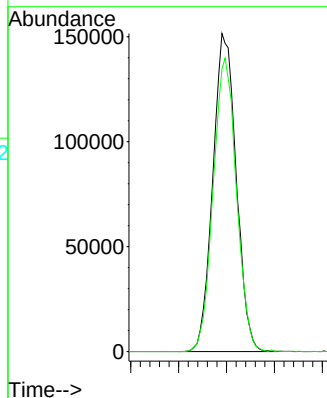
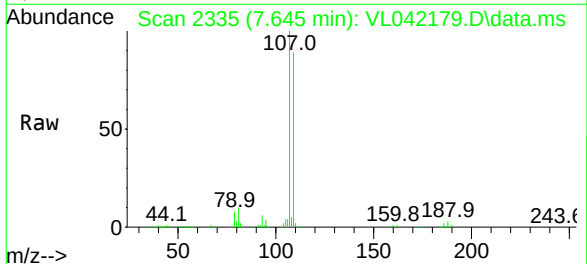
Acq: 27 Mar 2025 12:23

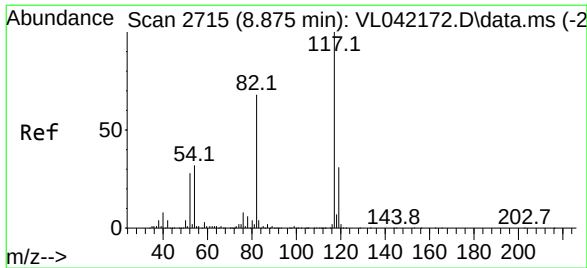
Tgt Ion:107 Resp: 256930

Ion Ratio Lower Upper

107 100

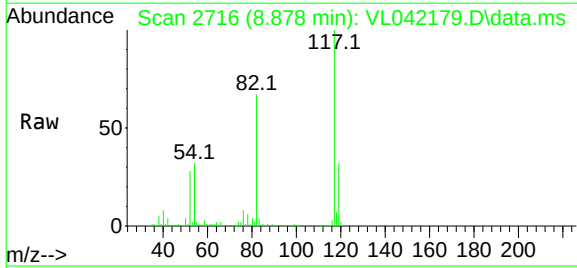
109 88.9 72.2 108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

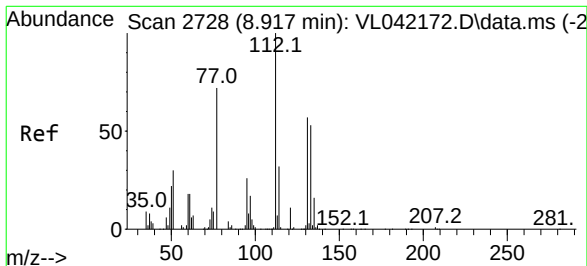
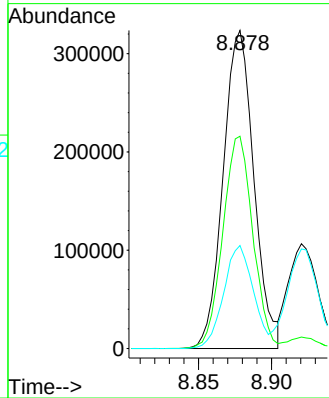
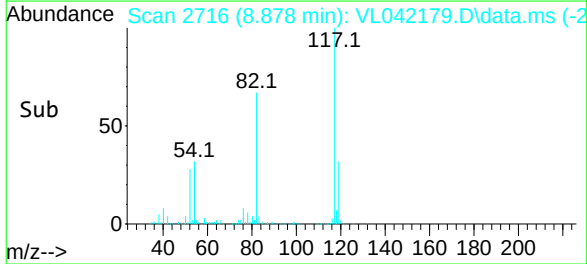
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



Tgt Ion:117 Resp: 473357
Ion Ratio Lower Upper
117 100
82 68.7 55.8 83.6
119 31.2 25.5 38.3

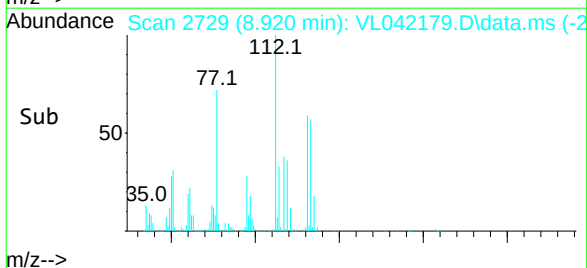
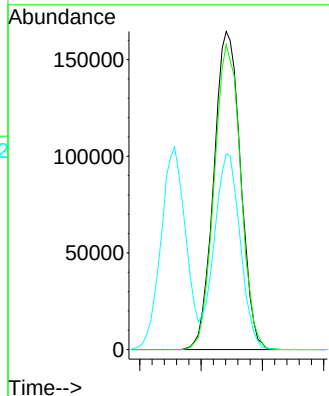
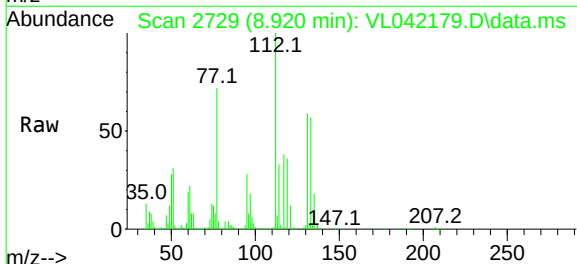
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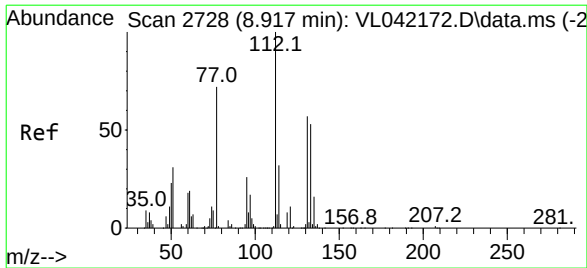
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.567 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:131 Resp: 249270
Ion Ratio Lower Upper
131 100
133 95.0 76.6 114.8
119 61.3 49.8 74.6





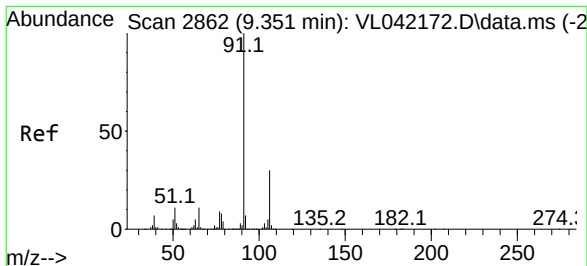
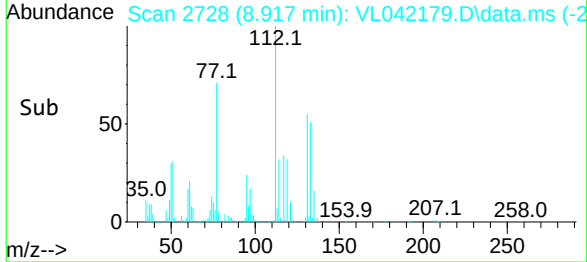
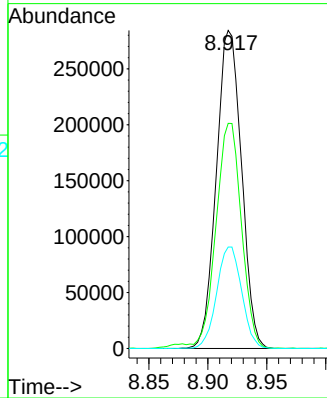
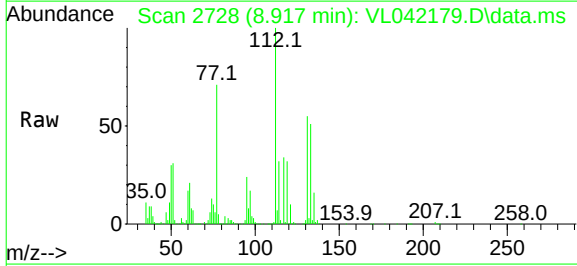
#57
Chlorobenzene
Concen: 9.411 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion: 112 Resp: 422531
Ion Ratio Lower Upper
112 100
77 70.6 58.2 87.2
114 31.9 29.1 35.5

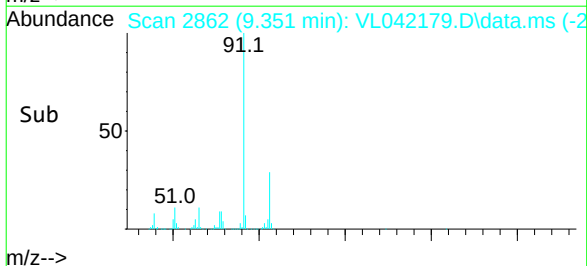
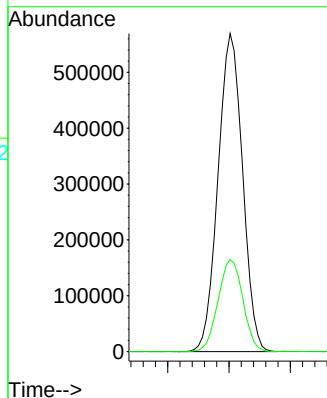
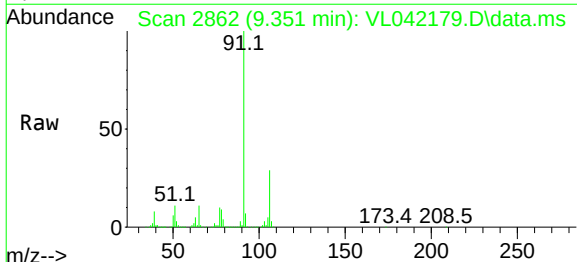
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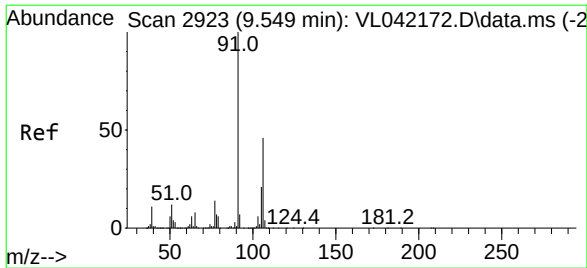
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#58
Ethyl Benzene
Concen: 9.412 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 791360
Ion Ratio Lower Upper
91 100
106 28.9 24.2 36.2





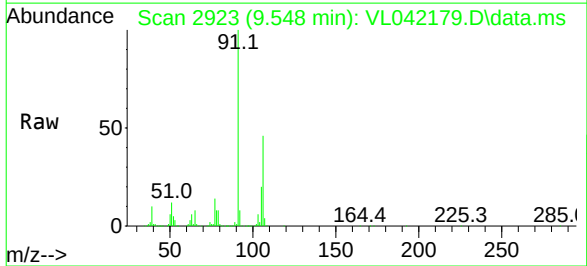
#59
m/p-Xylene
Concen: 18.772 ppbv m
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

ICVVL032725

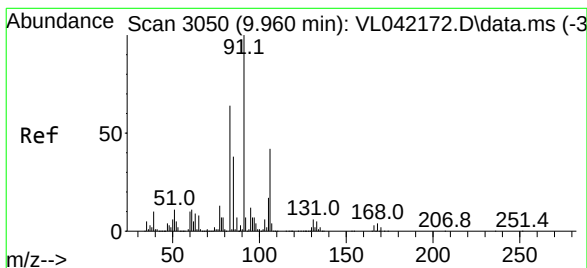
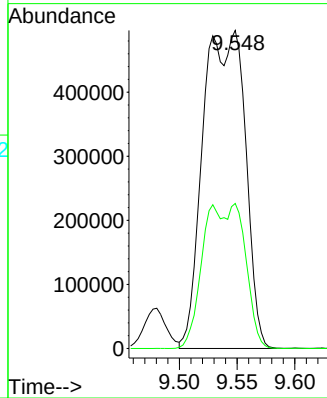
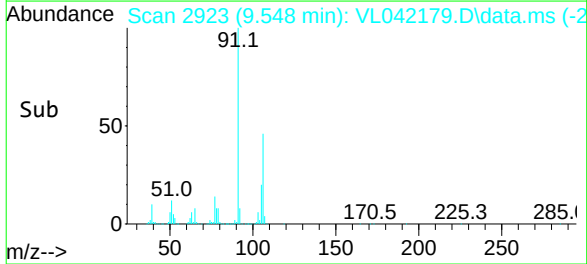


Tgt Ion: 91 Resp: 1260340
Ion Ratio Lower Upper
91 100
106 45.3 36.4 54.6

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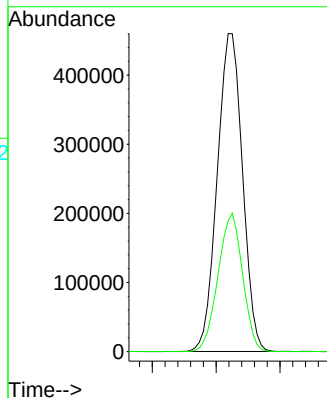
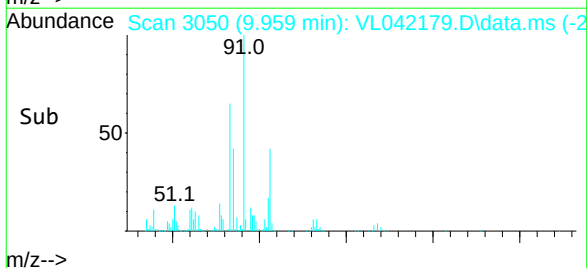
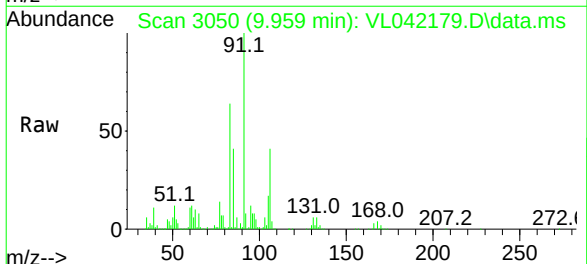
APPROVED

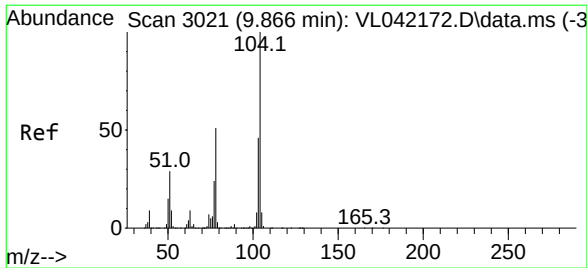
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#60
o-Xylene
Concen: 9.404 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion: 91 Resp: 632918
Ion Ratio Lower Upper
91 100
106 42.2 20.8 62.5





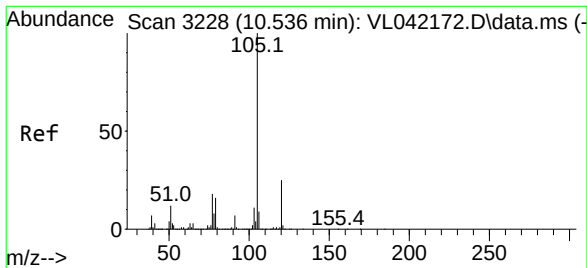
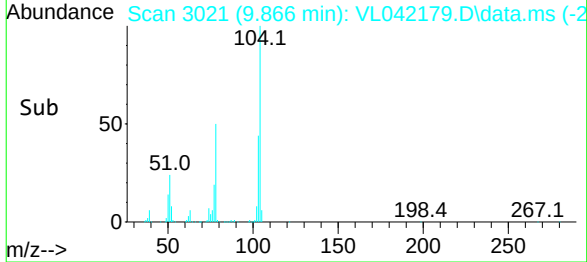
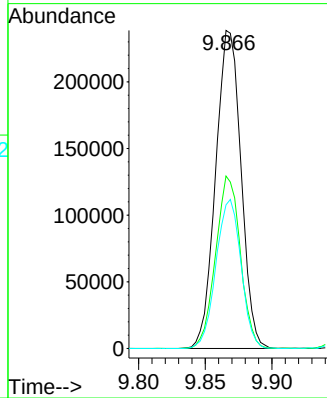
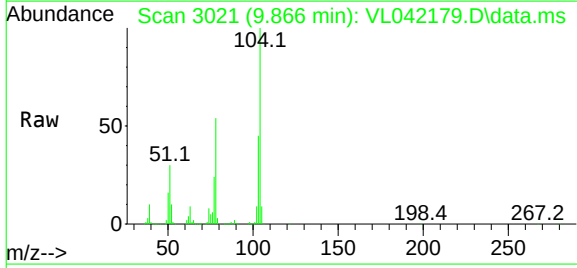
#61
Styrene
Concen: 9.488 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion:104 Resp: 315910
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.6
103 46.3 37.0 55.4

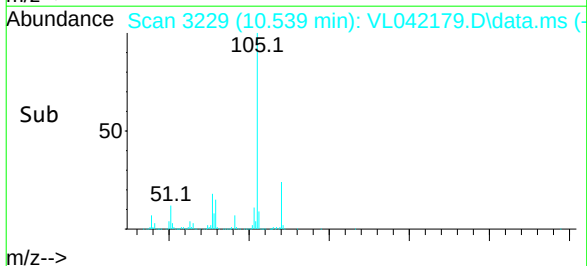
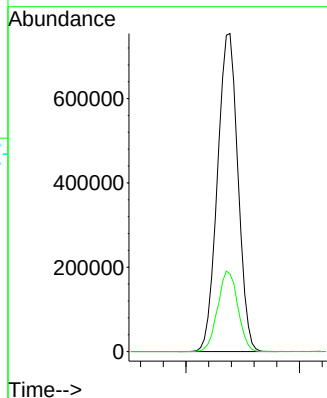
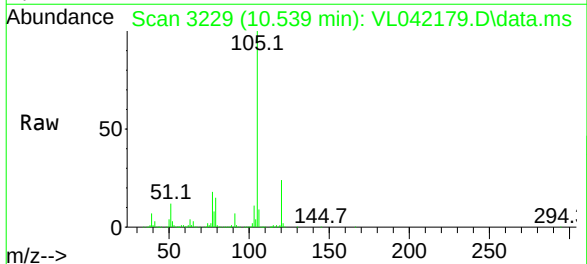
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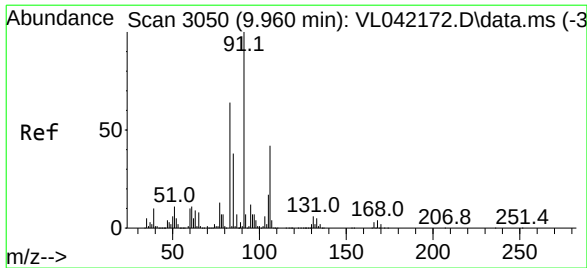
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#62
Isopropylbenzene
Concen: 9.388 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 944938
Ion Ratio Lower Upper
105 100
120 24.9 19.9 29.9





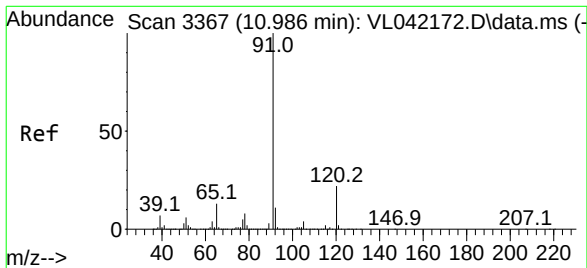
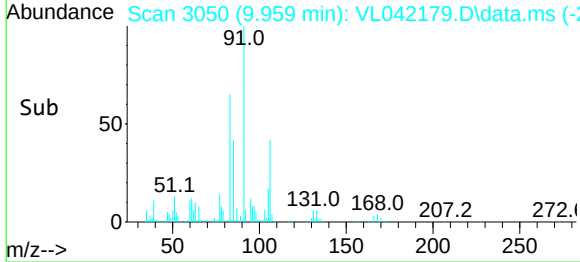
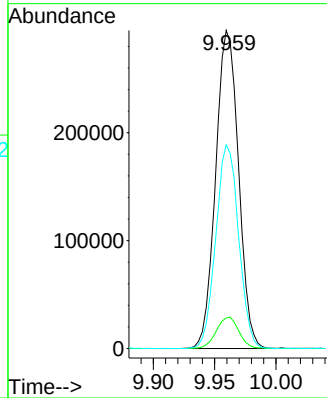
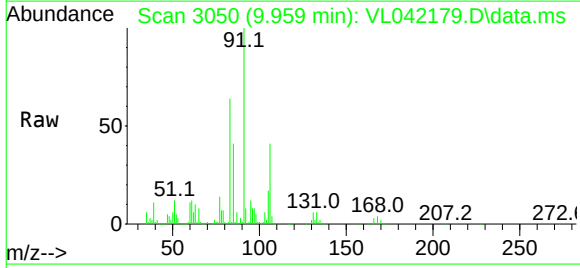
#63
1,1,2,2-Tetrachloroethane
Concen: 9.357 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Instrument : MSVOA_L
ClientSampleId : ICVVL032725

Tgt Ion:	83	Resp:	382635
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.4
85	63.9	32.5	97.5

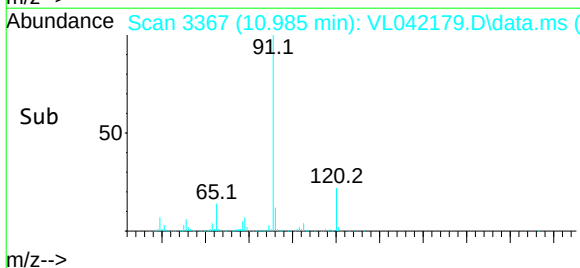
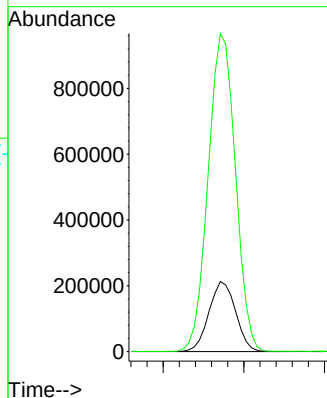
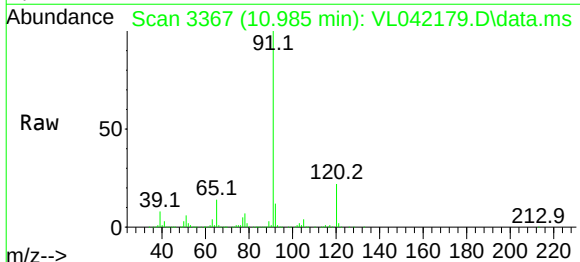
Manual Integrations APPROVED

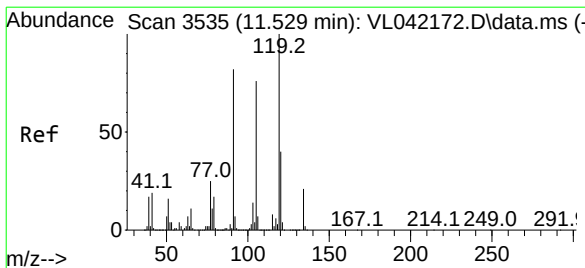
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#64
n-propylbenzene
Concen: 9.439 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

Tgt Ion:	120	Resp:	244547
Ion	Ratio	Lower	Upper
120	100		
91	465.9	376.9	565.3





#65

tert-Butylbenzene

Concen: 9.065 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

ICVVL032725

Tgt Ion: 119 Resp: 843828

Ion Ratio Lower Upper

119 100

91 84.3 66.0 99.0

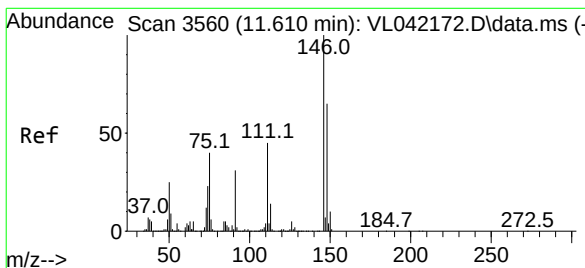
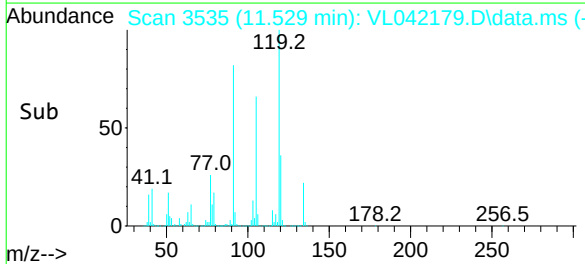
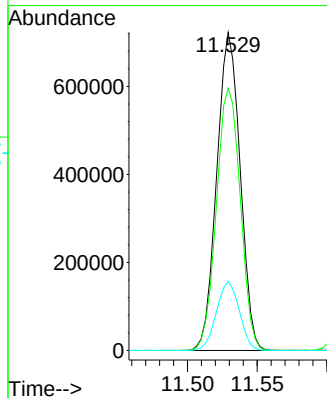
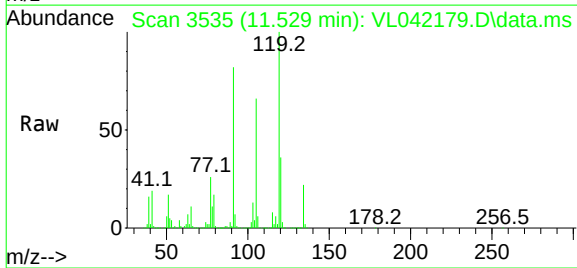
134 21.2 16.7 25.1

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Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#66

Benzyl Chloride

Concen: 8.789 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

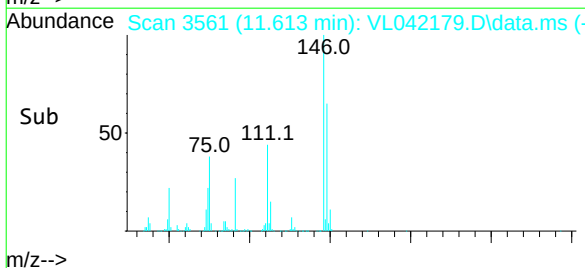
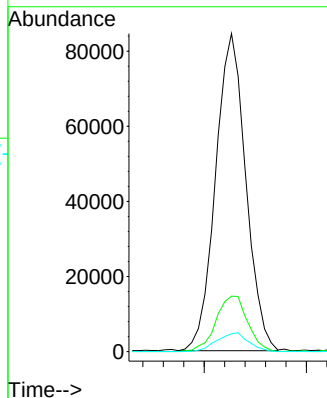
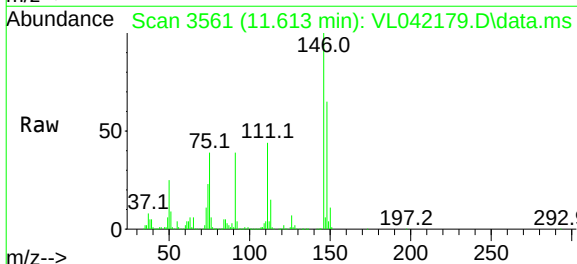
Tgt Ion: 91 Resp: 86804

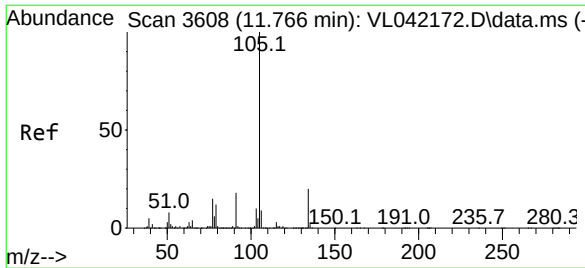
Ion Ratio Lower Upper

91 100

126 18.5 13.8 20.6

128 6.2 4.5 6.7





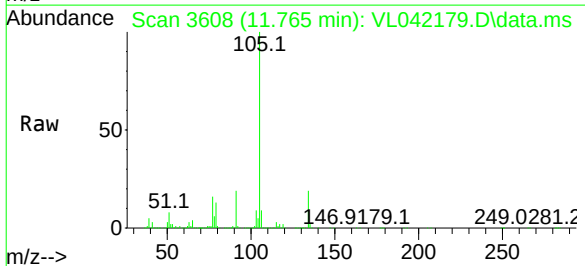
#67
 sec-Butylbenzene
 Concen: 9.063 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. -0.000 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

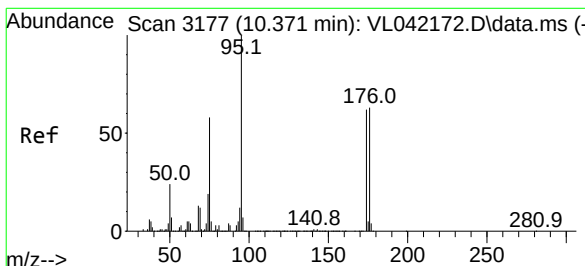
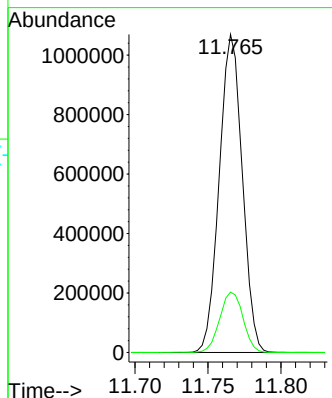
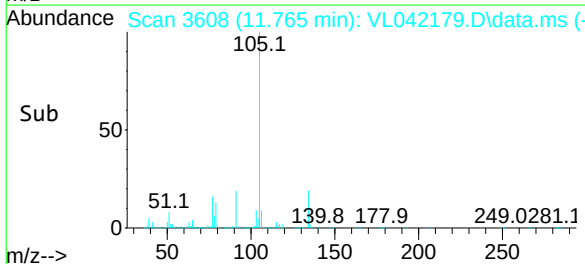
ICVVL032725



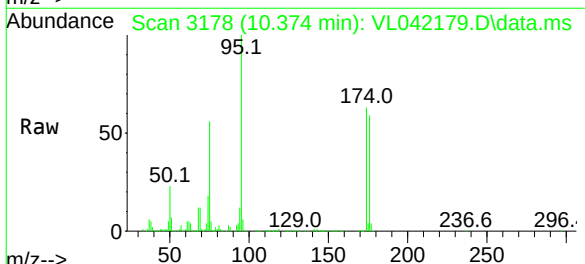
Tgt Ion: 105 Resp: 1172636
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.5 23.3

Manual Integrations
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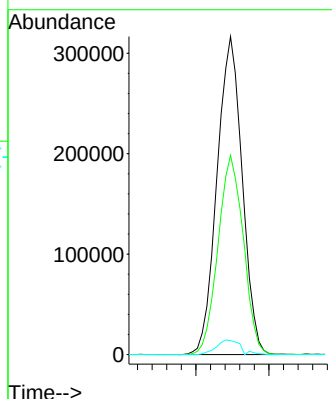
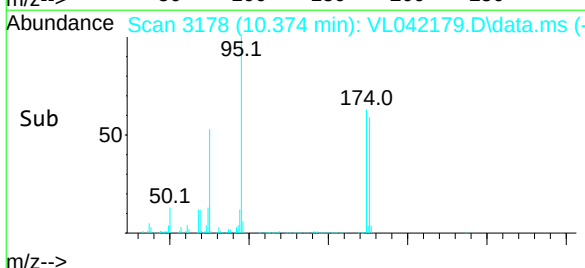
Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

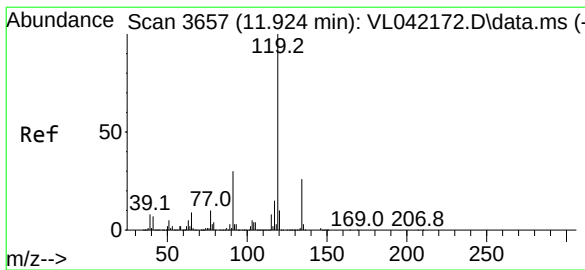


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.774 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.003 min
 Lab File: VL042179.D
 Acq: 27 Mar 2025 12:23



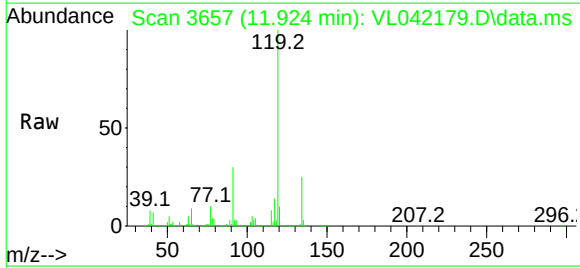
Tgt Ion: 95 Resp: 379929
 Ion Ratio Lower Upper
 95 100
 174 63.0 50.6 76.0
 175 4.4 3.8 5.6





#69
p-Isopropyltoluene
Concen: 9.153 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

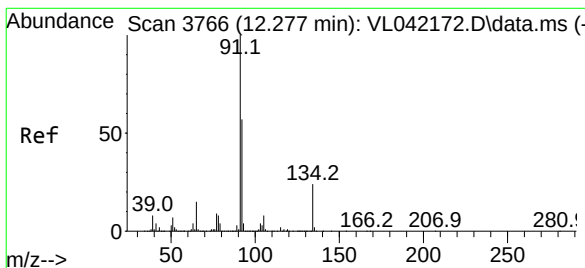
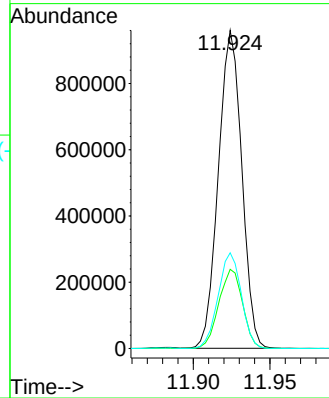
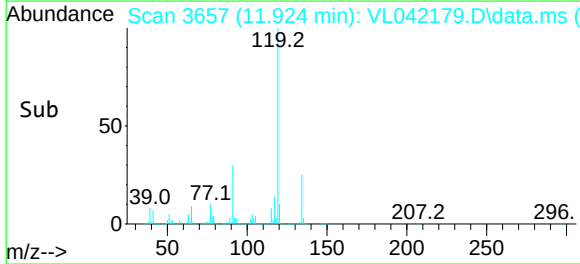
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



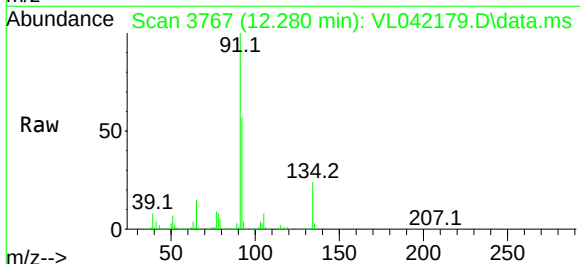
Tgt Ion: 119 Resp: 1019694
Ion Ratio Lower Upper
119 100
134 25.3 20.4 30.6
91 29.9 23.7 35.5

Manual Integrations
APPROVED

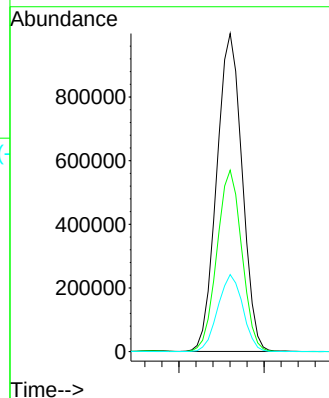
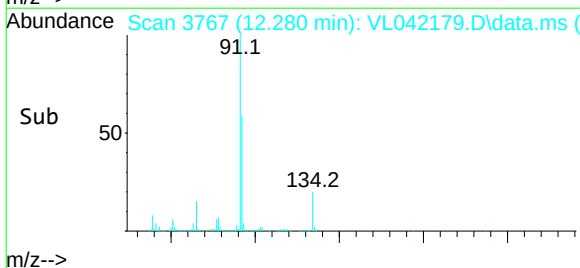
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

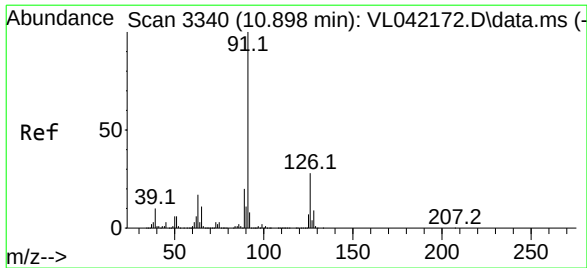


#70
n-Butylbenzene
Concen: 9.115 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



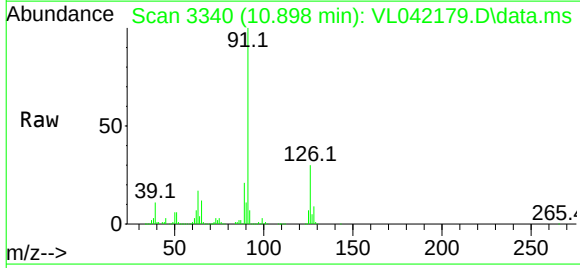
Tgt Ion: 91 Resp: 1038548
Ion Ratio Lower Upper
91 100
92 56.0 44.9 67.3
134 23.8 19.2 28.8





#71
2-Chlorotoluene
Concen: 9.382 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

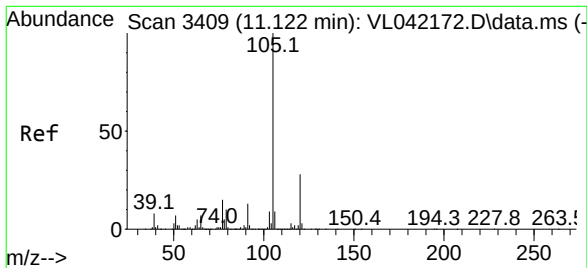
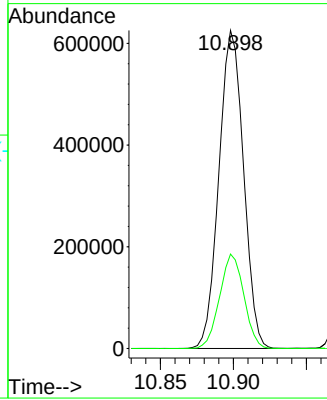
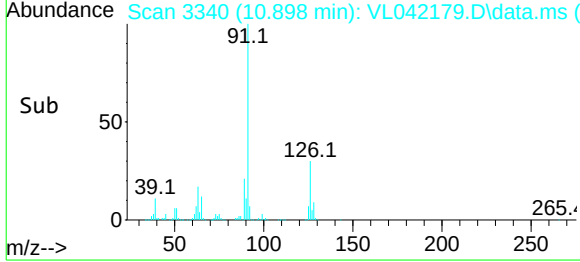
Instrument : MSVOA_L
ClientSampleId : ICVVL032725



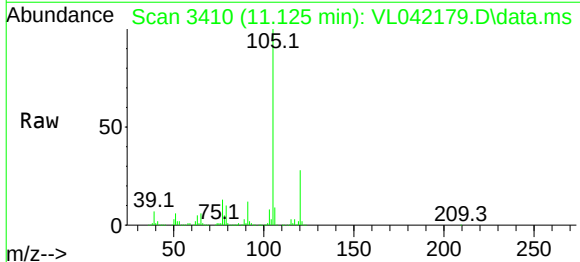
Tgt Ion: 91 Resp: 732874
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.4

Manual Integrations
APPROVED

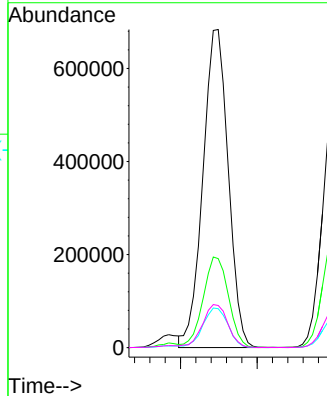
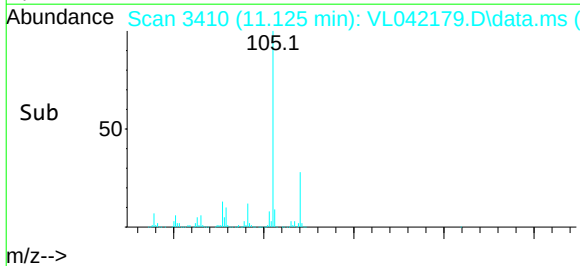
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025

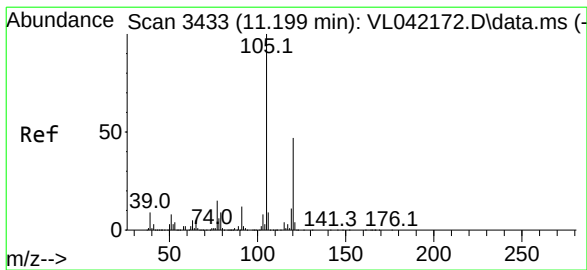


#72
4-Ethyltoluene
Concen: 9.370 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23



Tgt Ion:105 Resp: 785185
Ion Ratio Lower Upper
105 100
120 29.6 23.4 35.0
91 12.9 10.3 15.5
77 14.1 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 9.203 ppbv

RT: 11.202 min Scan# 3433

Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

ICVVL032725

Tgt Ion:105 Resp: 673541

Ion Ratio Lower Upper

105 100

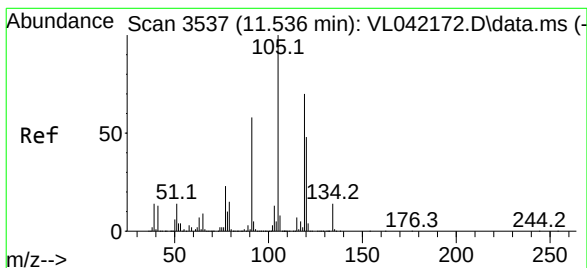
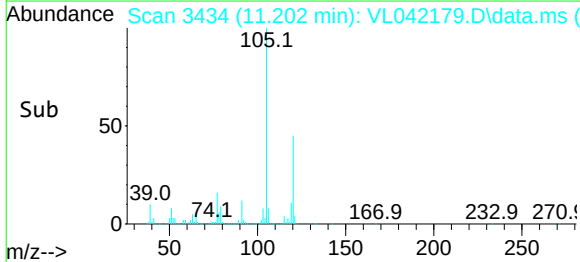
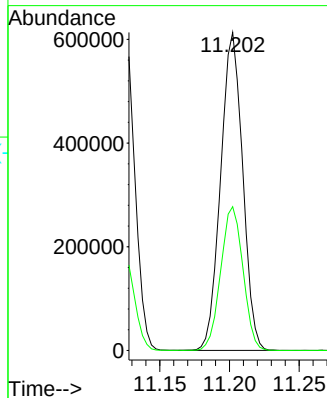
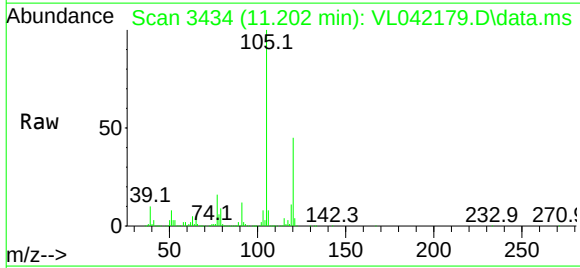
120 45.2 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025

Supervised By :Mahesh Dadoda 04/03/2025



#74

1,2,4-Trimethylbenzene

Concen: 8.648 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Tgt Ion:105 Resp: 729155

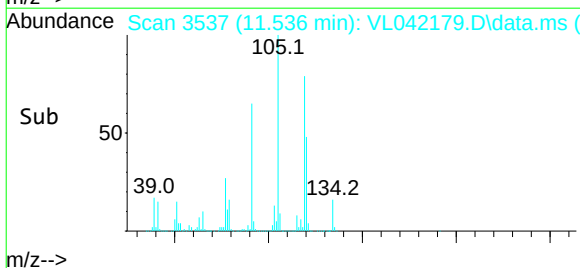
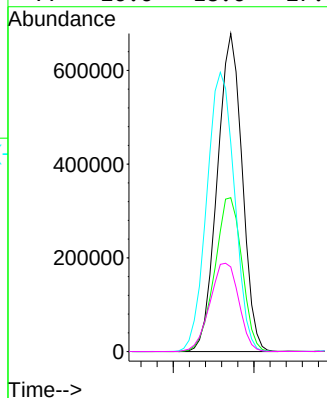
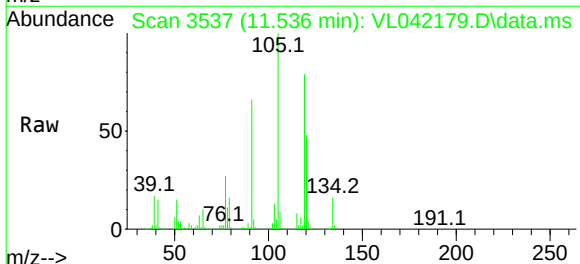
Ion Ratio Lower Upper

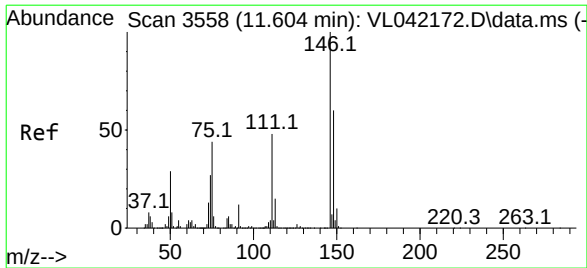
105 100

120 48.4 38.6 58.0

91 65.6 46.2 69.2

77 26.6 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 9.224 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

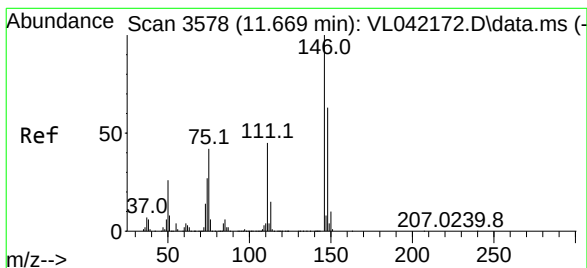
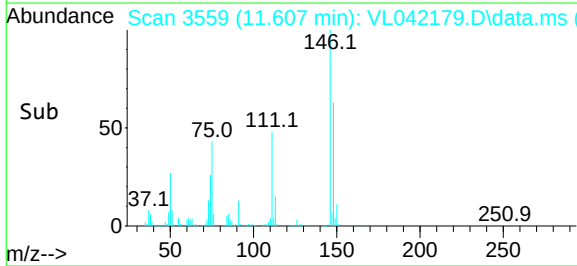
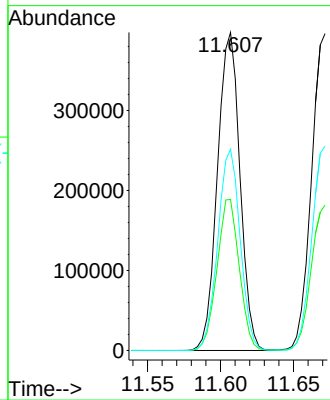
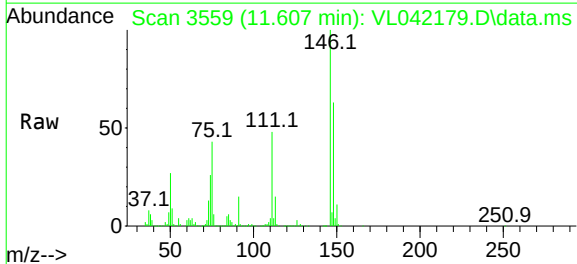
ICVVL032725

Tgt Ion:	146	Resp:	426573
Ion Ratio	Lower	Upper	
146	100		
111	47.2	23.8	71.2
148	62.9	31.9	95.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#76

1,4-Dichlorobenzene

Concen: 9.263 ppbv

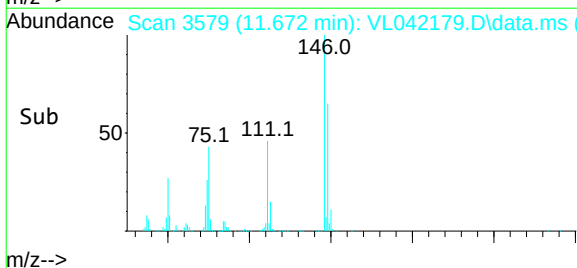
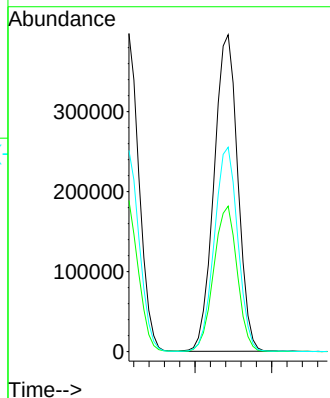
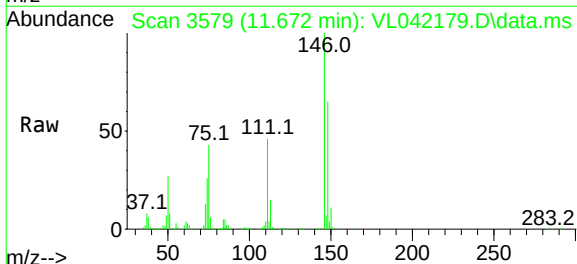
RT: 11.672 min Scan# 3579

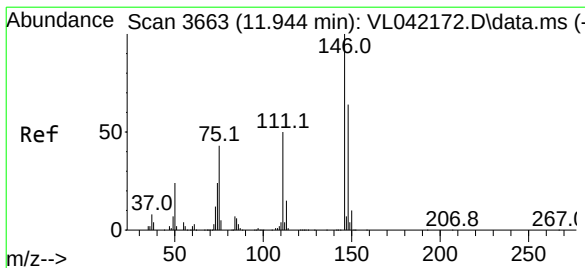
Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Tgt Ion:	146	Resp:	426318
Ion Ratio	Lower	Upper	
146	100		
111	45.6	23.0	69.0
148	64.1	31.9	95.7





#77

1,2-Dichlorobenzene

Concen: 9.154 ppbv

RT: 11.947 min Scan# 3663

Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

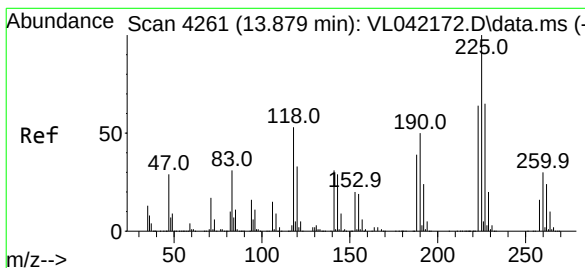
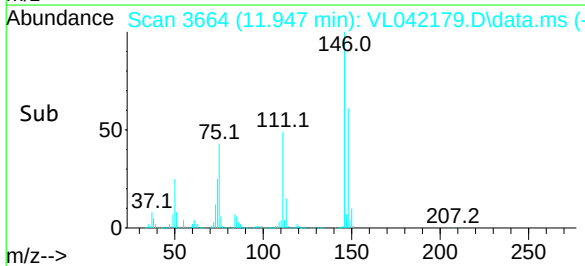
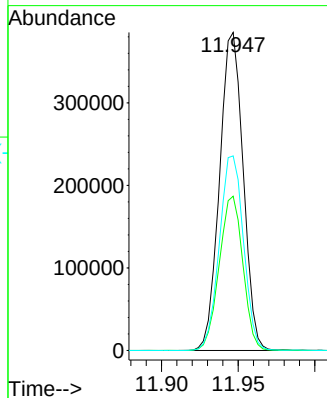
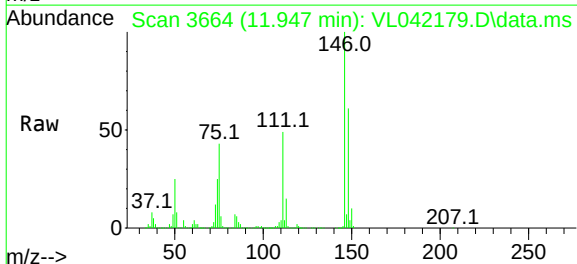
ICVVL032725

Tgt Ion:	146	Resp:	412180
Ion Ratio	Lower	Upper	
146	100		
111	48.8	24.8	74.3
148	62.8	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#78

Hexachloro-1,3-Butadiene

Concen: 7.776 ppbv

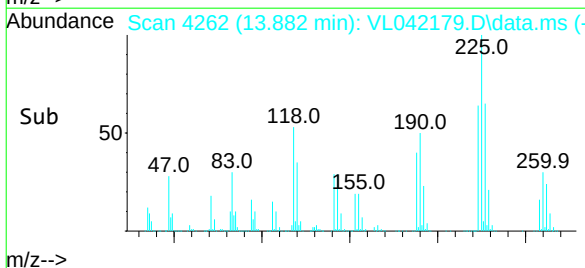
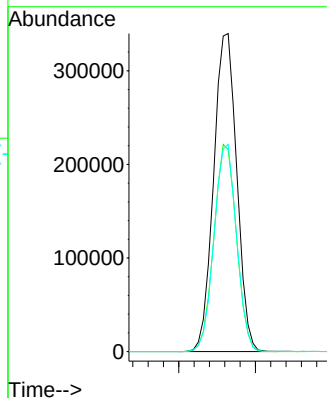
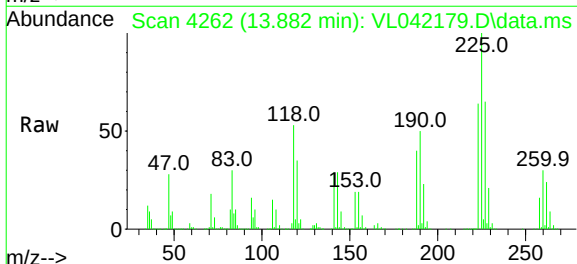
RT: 13.882 min Scan# 4262

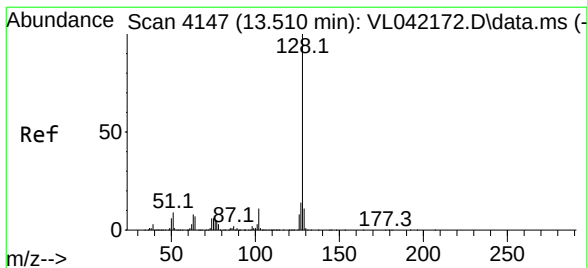
Delta R.T. 0.003 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

Tgt Ion:	225	Resp:	356386
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.6	76.0
227	63.4	51.2	76.8





#79

Naphthalene

Concen: 8.385 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042179.D

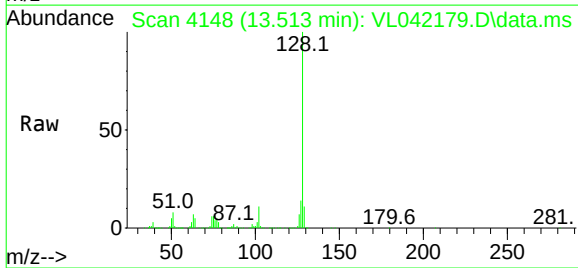
Acq: 27 Mar 2025 12:23

Instrument :

MSVOA_L

ClientSampleId :

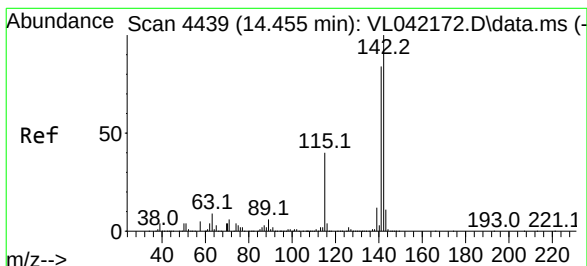
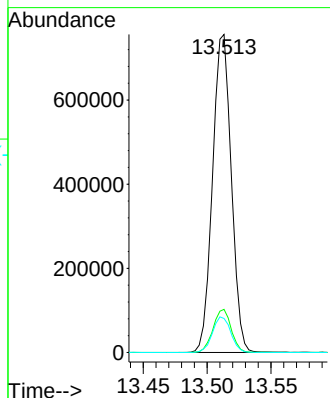
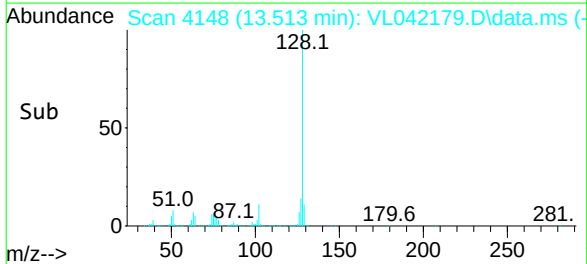
ICVVL032725



Tgt Ion:	128	Resp:	773311
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	10.7	9.0	13.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#80

Naphthalene,2-methyl-

Concen: 7.151 ppbv

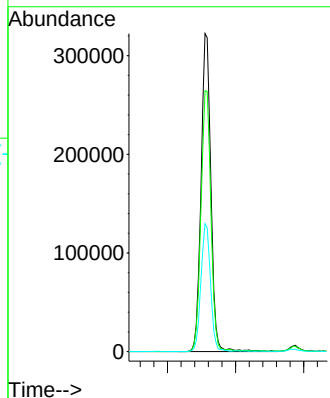
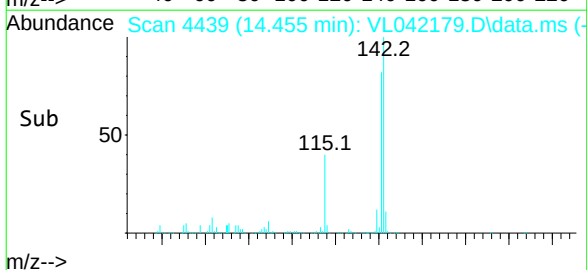
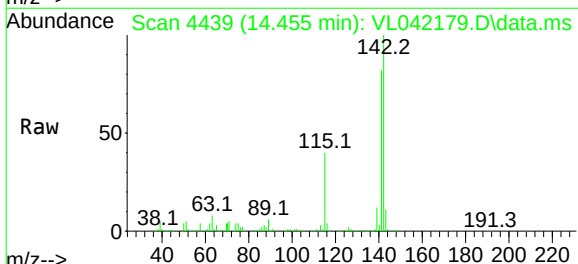
RT: 14.455 min Scan# 4439

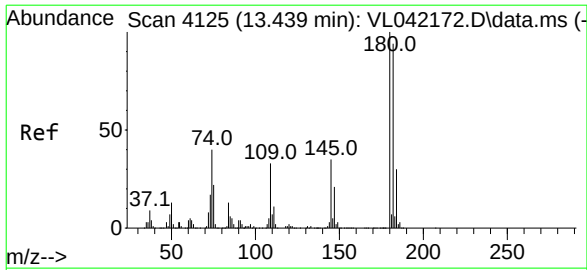
Delta R.T. -0.000 min

Lab File: VL042179.D

Acq: 27 Mar 2025 12:23

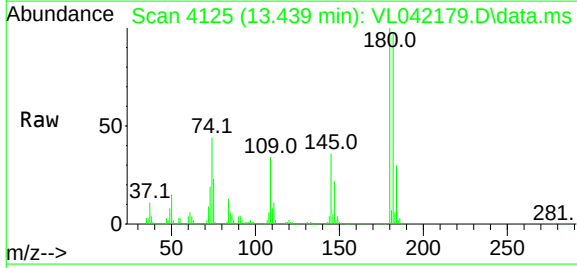
Tgt Ion:	142	Resp:	323443
Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.3	99.5
115	39.8	31.6	47.4





#81
1,2,4-Trichlorobenzene
Concen: 8.553 ppbv
RT: 13.439 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042179.D
Acq: 27 Mar 2025 12:23

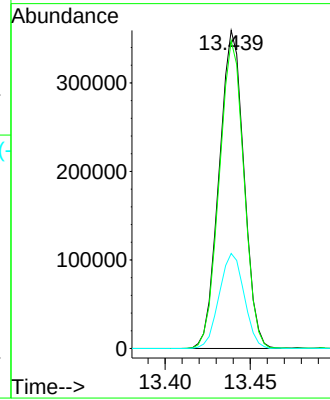
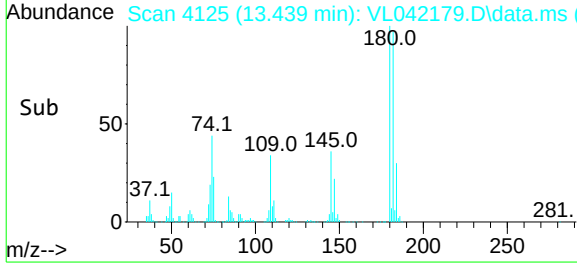
Instrument :
MSVOA_L
ClientSampleId :
ICVVL032725



Tgt Ion:	180	Resp:	363863
Ion Ratio	Lower	Upper	
180	100		
182	96.2	75.1	112.7
184	30.1	24.4	36.6

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042179.D
 Acq On : 27 Mar 2025 12:23
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL032725

Quant Time: Mar 28 02:05:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	1.476	1.409	4.5	94	0.00
3	Chlorodifluoromethane	1.508	1.417	6.0	91	0.00
4	Chloromethane	0.603	0.565	6.3	92	0.00
5 T	Vinyl Chloride	0.639	0.548	14.2	93	0.00
6 T	Bromomethane	0.273	0.241	11.7	87	0.00
7	Chloroethane	0.242	0.215	11.2	88	0.00
8 T	Dichlorotetrafluoroethane	1.257	1.226	2.5	94	0.00
9 T	Propene	0.691	0.604	12.6	85	0.00
10 T	Heptane	1.839	1.714	6.8	89	0.00
11 T	Trichlorofluoromethane	1.437	1.358	5.5	95	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.181	1.113	5.8	93	0.00
13	Ethanol	0.065	0.033#	49.2#	108	0.00
14 T	Bromoethene	0.452	0.422	6.6	94	0.00
15 T	Acetone	1.399	1.137	18.7	95	0.00
16 T	1,3-Butadiene	0.683	0.561	17.9	91	0.00
17	tert-Butyl alcohol	1.742	1.584	9.1	91	0.00
18 T	1,1-Dichloroethene	0.552	0.500	9.4	92	0.00
19 T	Isopropyl Alcohol	0.789	0.704	10.8	93	0.00
20 T	Methylene Chloride	0.521	0.418	19.8	89	0.00
21 T	Allyl Chloride	0.986	0.903	8.4	93	0.00
22 T	trans-1,2-Dichloroethene	0.638	0.580	9.1	92	0.00
23 T	Vinyl Acetate	0.605	0.518	14.4	97	0.00
24 T	1,1-Dichloroethane	1.183	1.135	4.1	94	0.00
25 T	Ethyl Acetate	3.630	3.399	6.4	92	0.00
26 T	Hexane	1.402	1.326	5.4	93	0.00
27 T	Carbon Disulfide	1.503	1.427	5.1	93	0.00
28 T	Methyl tert-Butyl Ether	0.873	0.840	3.8	94	0.00
29 T	Chloroform	2.052	1.974	3.8	95	0.00
30 T	Cyclohexane	1.217	1.135	6.7	91	0.00
31 T	cis-1,2-Dichloroethene	1.423	1.345	5.5	91	0.00
32 T	1,1,1-Trichloroethane	2.349	2.096	10.8	95	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
34 T	2-Butanone	0.725	0.665	8.3	91	0.00
35 T	Carbon Tetrachloride	0.781	0.730	6.5	95	0.00
36 T	Benzene	0.991	0.926	6.6	91	0.00
37 T	1,2-Dichloroethane	0.568	0.549	3.3	93	0.00
38 T	Trichloroethene	0.414	0.385	7.0	94	0.00
39 T	1,2-Dichloropropane	0.361	0.343	5.0	93	0.00
40 T	1,4-Dioxane	0.192	0.162	15.6	87	0.00
41 T	Tetrahydrofuran	0.418	0.394	5.7	90	0.00
42 T	Bromodichloromethane	0.782	0.771	1.4	92	0.00
43	Methyl Methacrylate	0.420	0.392	6.7	89	0.00
44 T	2,2,4-Trimethylpentane	1.675	1.581	5.6	90	0.00
45 T	t-1,3-Dichloropropene	0.450	0.426	5.3	89	0.00
46 T	cis-1,3-Dichloropropene	0.552	0.532	3.6	88	0.00
47 T	1,1,2-Trichloroethane	0.382	0.368	3.7	92	0.00
48 T	Dibromochloromethane	0.647	0.648	-0.2	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042179.D
 Acq On : 27 Mar 2025 12:23
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL032725

Quant Time: Mar 28 02:05:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.581	0.572	1.5	90	0.00
50 T	4-Methyl-2-Pentanone	1.149	1.005	12.5	89	0.00
51 T	2-Hexanone	0.944	0.825	12.6	89	0.00
52 T	Tetrachloroethene	0.393	0.348	11.5	93	0.00
53 T	Toluene	1.175	1.118	4.9	91	0.00
54 T	1,2-Dibromoethane	0.532	0.516	3.0	93	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
56	1,1,1,2-Tetrachloroethane	0.550	0.527	4.2	94	0.00
57 T	Chlorobenzene	0.949	0.893	5.9	93	0.00
58 T	Ethyl Benzene	1.776	1.672	5.9	91	0.00
59 T	m/p-Xylene	1.418	1.331	6.1	92	0.00
60 T	o-Xylene	1.422	1.337	6.0	92	0.00
61 T	Styrene	0.703	0.667	5.1	89	0.00
62	Isopropylbenzene	2.126	1.996	6.1	93	0.00
63 T	1,1,2,2-Tetrachloroethane	0.864	0.808	6.5	93	0.00
64	n-propylbenzene	0.547	0.517	5.5	94	0.00
65	tert-Butylbenzene	1.966	1.783	9.3	94	0.00
66 T	Benzyl Chloride	0.209	0.183	12.4	82	0.00
67	sec-Butylbenzene	2.733	2.477	9.4	94	0.00
68 S	1-Bromo-4-Fluorobenzene	0.821	0.803	2.2	90	0.00
69	p-Isopropyltoluene	2.354	2.154	8.5	94	0.00
70	n-Butylbenzene	2.407	2.194	8.8	94	0.00
71	2-Chlorotoluene	1.650	1.548	6.2	92	0.00
72 T	4-Ethyltoluene	1.770	1.659	6.3	93	0.00
73 T	1,3,5-Trimethylbenzene	1.546	1.423	8.0	93	0.00
74 T	1,2,4-Trimethylbenzene	1.781	1.540	13.5	93	0.00
75 T	1,3-Dichlorobenzene	0.977	0.901	7.8	93	0.00
76 T	1,4-Dichlorobenzene	0.972	0.901	7.3	92	0.00
77 T	1,2-Dichlorobenzene	0.951	0.871	8.4	93	0.00
78 T	Hexachloro-1,3-Butadiene	0.968	0.753	22.2	86	0.00
79 T	Naphthalene	1.948	1.634	16.1	82	0.00
80 T	Naphthalene,2-methyl-	0.955	0.683	28.5	63	0.00
81 T	1,2,4-Trichlorobenzene	0.899	0.769	14.5	82	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042179.D
 Acq On : 27 Mar 2025 12:23
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL032725

Quant Time: Mar 28 02:05:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	10.000	9.545	4.6	94	0.00
3	Chlorodifluoromethane	10.000	9.394	6.1	91	0.00
4	Chloromethane	10.000	9.365	6.3	92	0.00
5 T	Vinyl Chloride	10.000	8.573	14.3	93	0.00
6 T	Bromomethane	10.000	8.799	12.0	87	0.00
7	Chloroethane	10.000	8.856	11.4	88	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.753	2.5	94	0.00
9 T	Propene	10.000	8.739	12.6	85	0.00
10 T	Heptane	10.000	9.318	6.8	89	0.00
11 T	Trichlorofluoromethane	10.000	9.453	5.5	95	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.421	5.8	93	0.00
13	Ethanol	10.000	5.066	49.3#	108	0.00
14 T	Bromoethene	10.000	9.328	6.7	94	0.00
15 T	Acetone	10.000	8.132	18.7	95	0.00
16 T	1,3-Butadiene	10.000	8.216	17.8	91	0.00
17	tert-Butyl alcohol	10.000	9.094	9.1	91	0.00
18 T	1,1-Dichloroethene	10.000	9.053	9.5	92	0.00
19 T	Isopropyl Alcohol	10.000	8.923	10.8	93	0.00
20 T	Methylene Chloride	10.000	8.018	19.8	89	0.00
21 T	Allyl Chloride	10.000	9.154	8.5	93	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.092	9.1	92	0.00
23 T	Vinyl Acetate	10.000	8.553	14.5	97	0.00
24 T	1,1-Dichloroethane	10.000	9.600	4.0	94	0.00
25 T	Ethyl Acetate	10.000	9.364	6.4	92	0.00
26 T	Hexane	10.000	9.455	5.4	93	0.00
27 T	Carbon Disulfide	10.000	9.493	5.1	93	0.00
28 T	Methyl tert-Butyl Ether	10.000	9.624	3.8	94	0.00
29 T	Chloroform	10.000	9.619	3.8	95	0.00
30 T	Cyclohexane	10.000	9.323	6.8	91	0.00
31 T	cis-1,2-Dichloroethene	10.000	9.449	5.5	91	0.00
32 T	1,1,1-Trichloroethane	10.000	8.921	10.8	95	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	91	0.00
34 T	2-Butanone	10.000	9.171	8.3	91	0.00
35 T	Carbon Tetrachloride	10.000	9.339	6.6	95	0.00
36 T	Benzene	10.000	9.341	6.6	91	0.00
37 T	1,2-Dichloroethane	10.000	9.676	3.2	93	0.00
38 T	Trichloroethene	10.000	9.306	6.9	94	0.00
39 T	1,2-Dichloropropane	10.000	9.500	5.0	93	0.00
40 T	1,4-Dioxane	10.000	8.443	15.6	87	0.00
41 T	Tetrahydrofuran	10.000	9.431	5.7	90	0.00
42 T	Bromodichloromethane	10.000	9.853	1.5	92	0.00
43	Methyl Methacrylate	10.000	9.344	6.6	89	0.00
44 T	2,2,4-Trimethylpentane	10.000	9.436	5.6	90	0.00
45 T	t-1,3-Dichloropropene	10.000	9.467	5.3	89	0.00
46 T	cis-1,3-Dichloropropene	10.000	9.643	3.6	88	0.00
47 T	1,1,2-Trichloroethane	10.000	9.638	3.6	92	0.00
48 T	Dibromochloromethane	10.000	10.018	-0.2	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042179.D
 Acq On : 27 Mar 2025 12:23
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL032725

Quant Time: Mar 28 02:05:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	Bromoform	10.000	9.858	1.4	90	0.00
50 T	4-Methyl-2-Pentanone	10.000	8.749	12.5	89	0.00
51 T	2-Hexanone	10.000	8.741	12.6	89	0.00
52 T	Tetrachloroethene	10.000	8.855	11.4	93	0.00
53 T	Toluene	10.000	9.514	4.9	91	0.00
54 T	1,2-Dibromoethane	10.000	9.695	3.0	93	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	91	0.00
56	1,1,1,2-Tetrachloroethane	10.000	9.567	4.3	94	0.00
57 T	Chlorobenzene	10.000	9.411	5.9	93	0.00
58 T	Ethyl Benzene	10.000	9.412	5.9	91	0.00
59 T	m/p-Xylene	20.000	18.772	6.1	92	0.00
60 T	o-Xylene	10.000	9.404	6.0	92	0.00
61 T	Styrene	10.000	9.488	5.1	89	0.00
62	Isopropylbenzene	10.000	9.388	6.1	93	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	9.357	6.4	93	0.00
64	n-propylbenzene	10.000	9.439	5.6	94	0.00
65	tert-Butylbenzene	10.000	9.065	9.4	94	0.00
66 T	Benzyl Chloride	10.000	8.789	12.1	82	0.00
67	sec-Butylbenzene	10.000	9.063	9.4	94	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	9.774	2.3	90	0.00
69	p-Isopropyltoluene	10.000	9.153	8.5	94	0.00
70	n-Butylbenzene	10.000	9.115	8.8	94	0.00
71	2-Chlorotoluene	10.000	9.382	6.2	92	0.00
72 T	4-Ethyltoluene	10.000	9.370	6.3	93	0.00
73 T	1,3,5-Trimethylbenzene	10.000	9.203	8.0	93	0.00
74 T	1,2,4-Trimethylbenzene	10.000	8.648	13.5	93	0.00
75 T	1,3-Dichlorobenzene	10.000	9.224	7.8	93	0.00
76 T	1,4-Dichlorobenzene	10.000	9.263	7.4	92	0.00
77 T	1,2-Dichlorobenzene	10.000	9.154	8.5	93	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	7.776	22.2	86	0.00
79 T	Naphthalene	10.000	8.385	16.2	82	0.00
80 T	Naphthalene,2-methyl-	10.000	7.151	28.5	63	0.00
81 T	1,2,4-Trichlorobenzene	10.000	8.553	14.5	82	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1772 SAS No.: Q1772 SDG No.: Q1772

Instrument ID: MSVOA_L Calibration Date/Time: 04/10/2025 09:27

Lab File ID: VL042300.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.639	0.538		-15.81	30
1,1-Dichloroethene	0.552	0.476		-13.77	30
cis-1,2-Dichloroethene	1.423	1.294		-9.06	30
1,1,1-Trichloroethane	2.349	2.102		-10.52	30
Trichloroethene	0.414	0.436		5.31	30
Tetrachloroethene	0.393	0.363		-7.63	30
1-Bromo-4-Fluorobenzene	0.821	0.814		-0.85	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042300.D
 Acq On : 10 Apr 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:54:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	178247	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	448439	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	388079	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 315861 9.911 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	256858	9.760	ppbv	99
3) Chlorodifluoromethane	1.473	51	283366	10.540	ppbv	98
4) Chloromethane	1.531	50	106741	9.924	ppbv	98
5) Vinyl Chloride	1.576	62	95961	8.419	ppbv	96
6) Bromomethane	1.664	94	46181	9.475	ppbv	98
7) Chloroethane	1.699	64	40193	9.310	ppbv	95
8) Dichlorotetrafluoroethane	1.551	85	218294	9.740	ppbv	94
9) Propene	1.483	41	109223	8.863	ppbv	100
10) Heptane	4.972	43	324095	9.887	ppbv	98
11) Trichlorofluoromethane	1.874	101	247687	9.672	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	202744	9.632	ppbv	98
13) Ethanol	1.716	45	4951	4.250	ppbv	90
14) Bromoethene	1.777	108	71256	8.837	ppbv	97
15) Acetone	1.832	43	223555	8.968	ppbv	97
16) 1,3-Butadiene	1.606	39	109334	8.981	ppbv	96
17) tert-Butyl alcohol	2.036	59	251167	8.089	ppbv	99
18) 1,1-Dichloroethene	2.030	96	84843	8.622	ppbv	95
19) Isopropyl Alcohol	1.884	45	121282	8.623	ppbv	93
20) Methylene Chloride	2.056	84	78454	8.450	ppbv	96
21) Allyl Chloride	2.091	41	160287	9.117	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	100830	8.866	ppbv	97
23) Vinyl Acetate	2.457	43	87054	8.068	ppbv	98
24) 1,1-Dichloroethane	2.405	63	207493	9.842	ppbv	99
25) Ethyl Acetate	2.829	43	648989	10.031	ppbv	99
26) Hexane	2.819	57	242802	9.715	ppbv	95
27) Carbon Disulfide	2.146	76	246850	9.211	ppbv	97
28) Methyl tert-Butyl Ether	2.434	73	123776	7.955	ppbv	95
29) Chloroform	2.842	83	384275	10.507	ppbv	98
30) Cyclohexane	3.849	84	195121	8.992	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	230708	9.093	ppbv	98
32) 1,1,1-Trichloroethane	3.360	97	374626	8.947	ppbv	97
34) 2-Butanone	2.554	43	358677	11.030	ppbv	98
35) Carbon Tetrachloride	3.755	117	392632	11.208	ppbv	98
36) Benzene	3.648	78	478185	10.756	ppbv	98
37) 1,2-Dichloroethane	3.211	62	286987	11.276	ppbv	100
38) Trichloroethene	4.538	130	195692	10.550	ppbv	97
39) 1,2-Dichloropropane	4.305	63	177013	10.933	ppbv	93
40) 1,4-Dioxane	4.574	88	82234	9.570	ppbv #	96
41) Tetrahydrofuran	3.049	42	203688	10.878	ppbv	93
42) Bromodichloromethane	4.480	83	403381	11.496	ppbv	98
43) Methyl Methacrylate	4.871	69	174371	9.265	ppbv	97
44) 2,2,4-Trimethylpentane	4.629	57	854163	11.369	ppbv	97
45) t-1,3-Dichloropropene	6.406	75	165013	8.172	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042300.D
 Acq On : 10 Apr 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:54:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

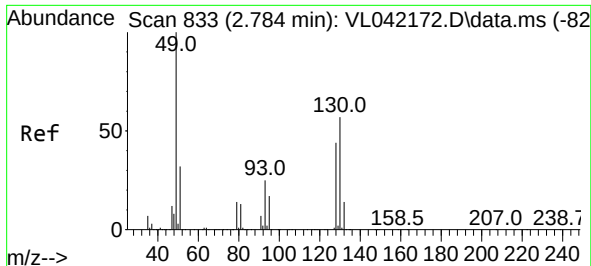
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	221829	8.962	ppbv	96
47) 1,1,2-Trichloroethane	6.571	97	195254	11.408	ppbv	98
48) Dibromochloromethane	7.377	129	318189	10.970	ppbv	100
49) Bromoform	9.477	173	285511	10.964	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	507692	9.852	ppbv	94
51) 2-Hexanone	7.428	43	399883	9.449	ppbv #	94
52) Tetrachloroethene	8.215	164	162967	9.243	ppbv	97
53) Toluene	6.923	91	519861	9.865	ppbv	99
54) 1,2-Dibromoethane	7.642	107	258669	10.842	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	267799	12.536	ppbv	99
57) Chlorobenzene	8.914	112	449522	12.212	ppbv	94
58) Ethyl Benzene	9.348	91	745642	10.817	ppbv	100
59) m/p-Xylene	9.545	91	1300739m	23.631	ppbv	
60) o-Xylene	9.956	91	645311	11.695	ppbv	96
61) Styrene	9.866	104	277596	10.169	ppbv	99
62) Isopropylbenzene	10.532	105	963868	11.681	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	431966	12.884	ppbv	100
64) n-propylbenzene	10.985	120	255844	12.045	ppbv	99
65) tert-Butylbenzene	11.526	119	885906	11.609	ppbv	99
66) Benzyl Chloride	11.610	91	66712	8.239	ppbv	99
67) sec-Butylbenzene	11.762	105	1259760	11.876	ppbv	100
69) p-Isopropyltoluene	11.921	119	1081410	11.839	ppbv	99
70) n-Butylbenzene	12.277	91	1114385	11.930	ppbv	100
71) 2-Chlorotoluene	10.895	91	735700	11.488	ppbv	98
72) 4-Ethyltoluene	11.121	105	807663	11.756	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	697155	11.618	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	794178	11.489	ppbv	92
75) 1,3-Dichlorobenzene	11.604	146	483914	12.764	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	477802	12.663	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	479327	12.985	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	378178	10.064	ppbv	100
79) Naphthalene	13.510	128	909659	12.031	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	421431	11.365	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	402576	11.543	ppbv	99

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

Manual Integrations APPROVED

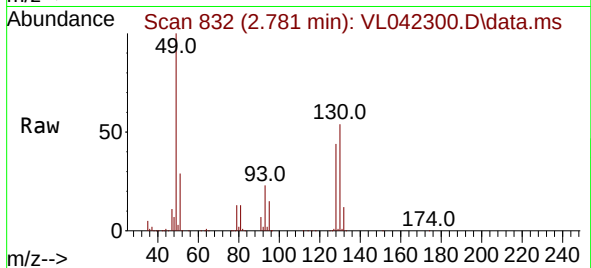
Quant Time: Apr 11 01:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

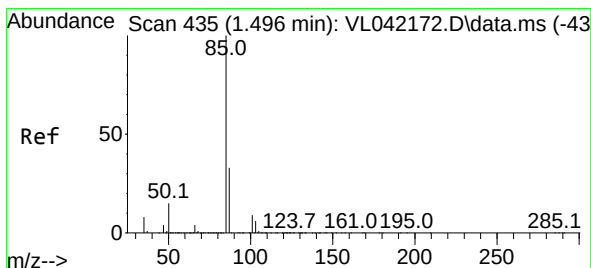
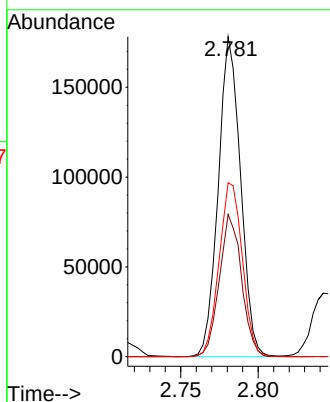
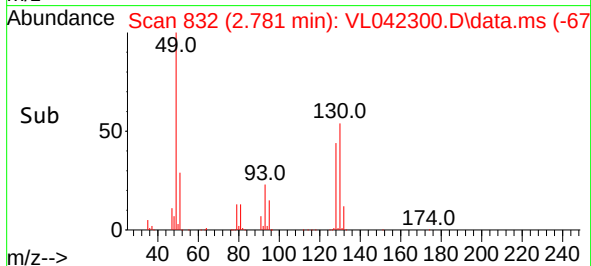
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



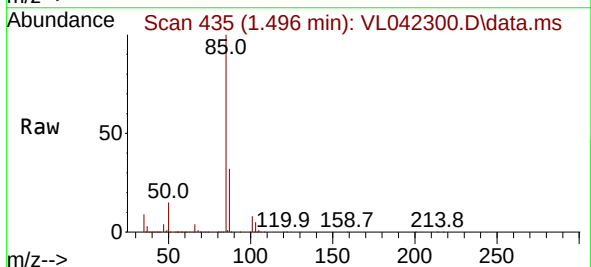
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Ion Ratio Lower Upper
49 100
128 44.3 22.9 68.5
130 56.7 28.8 86.4

Manual Integrations
APPROVED

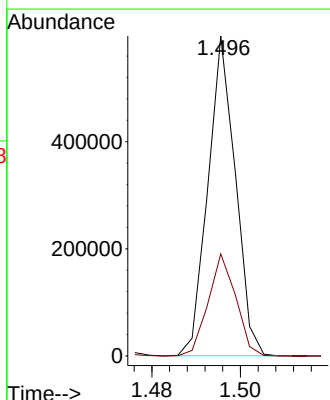
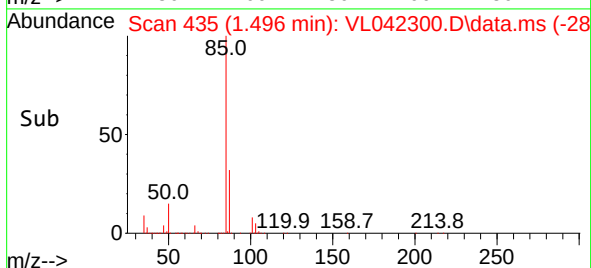
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

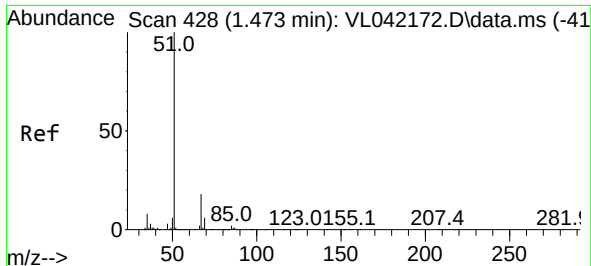


#2
Dichlorodifluoromethane
Concen: 9.760 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



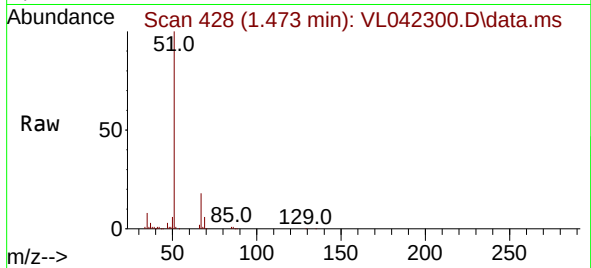
Tgt Ion: 85 Resp: 256858
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1





#3
Chlorodifluoromethane
Concen: 10.540 ppbv
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

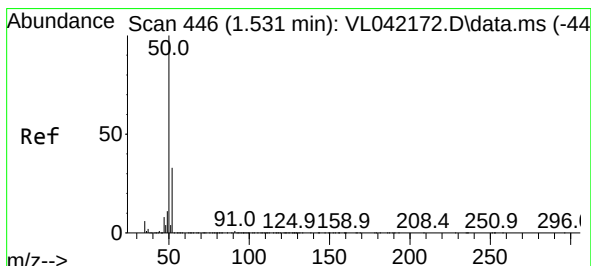
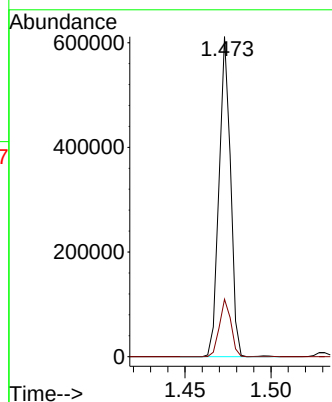
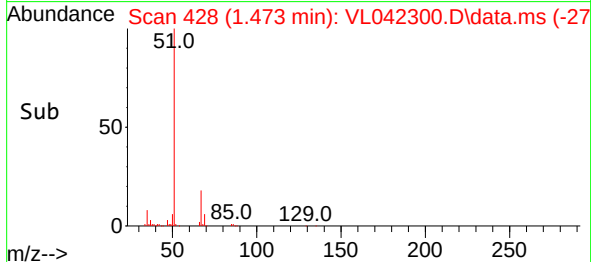
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



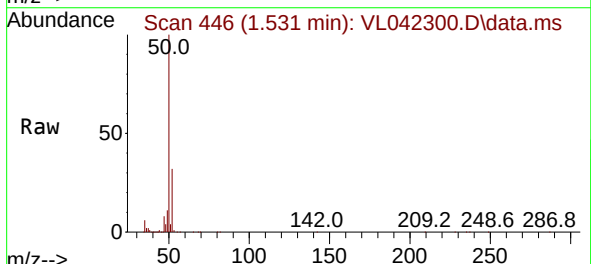
Tgt Ion: 51 Resp: 283360
Ion Ratio Lower Upper
51 100
67 18.1 15.0 22.6

Manual Integrations
APPROVED

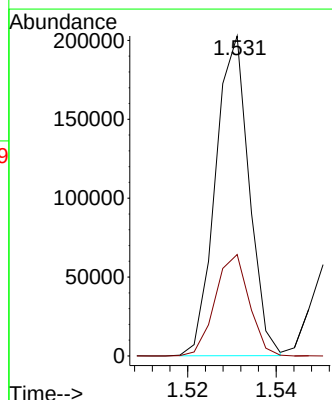
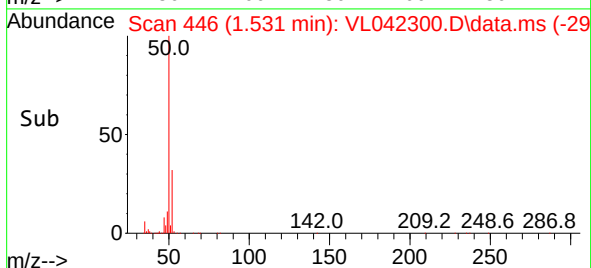
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

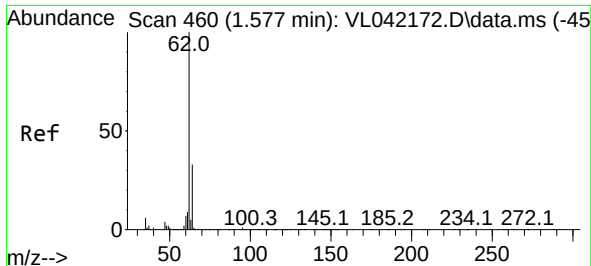


#4
Chloromethane
Concen: 9.924 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



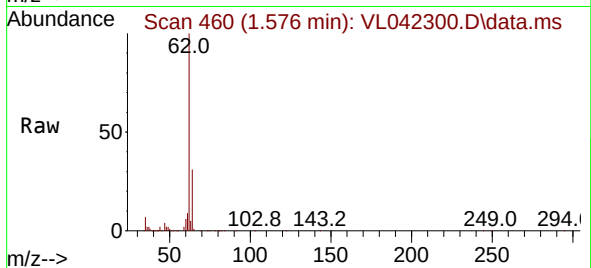
Tgt Ion: 50 Resp: 106741
Ion Ratio Lower Upper
50 100
52 31.7 26.1 39.1





#5
 Vinyl Chloride
 Concen: 8.419 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

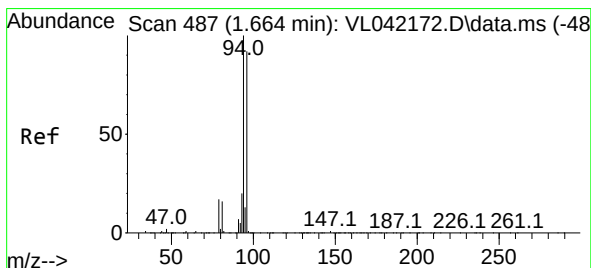
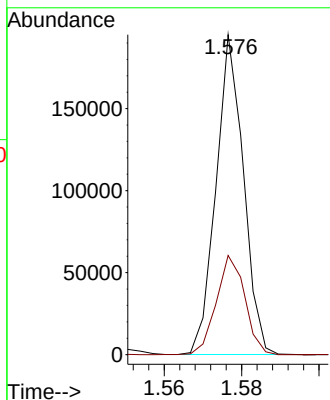
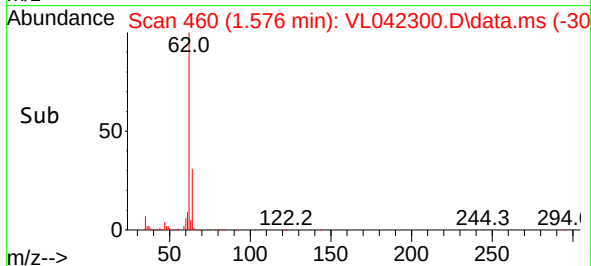
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



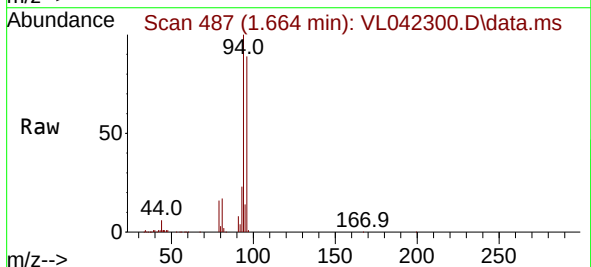
Tgt Ion: 62 Resp: 95963
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.6 40.0

Manual Integrations
 APPROVED

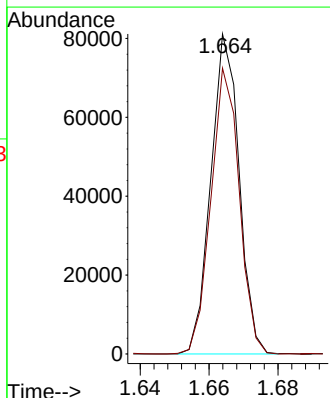
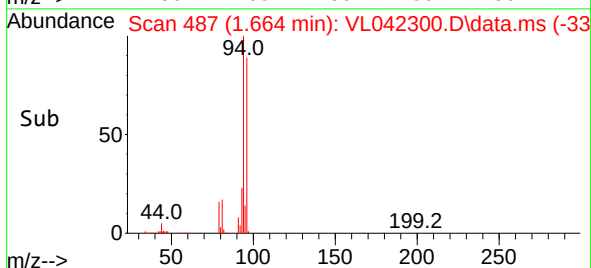
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

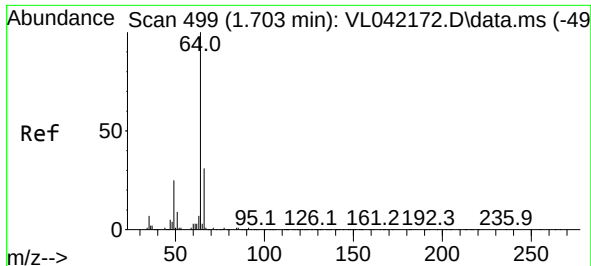


#6
 Bromomethane
 Concen: 9.475 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27



Tgt Ion: 94 Resp: 46181
 Ion Ratio Lower Upper
 94 100
 96 89.3 73.1 109.7





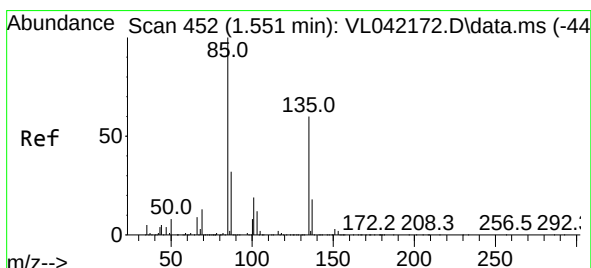
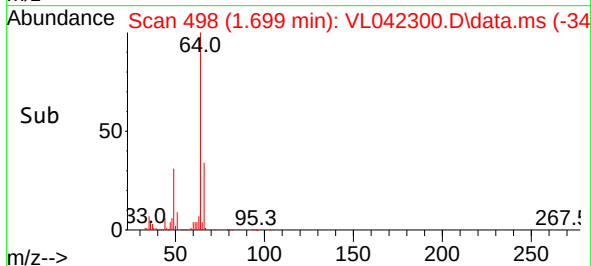
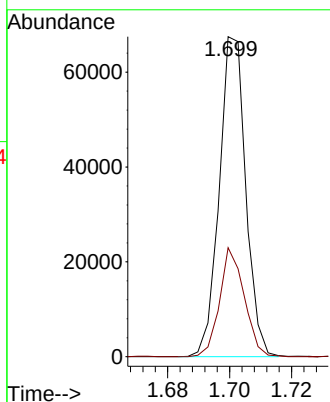
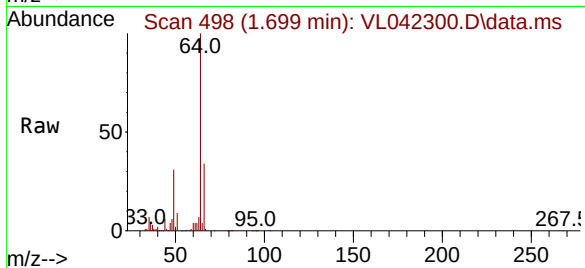
#7
Chloroethane
Concen: 9.310 ppbv
RT: 1.699 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 4019
Ion Ratio Lower Upper
64 100
66 34.0 25.2 37.8

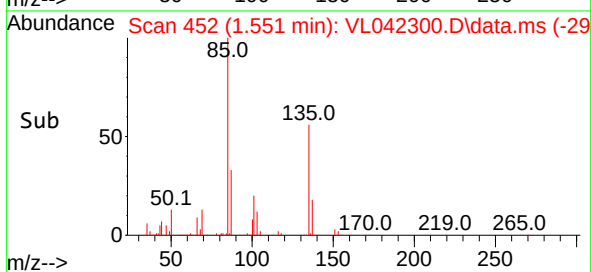
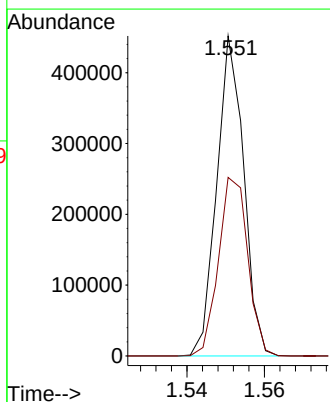
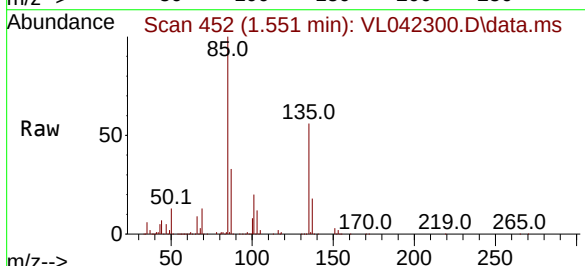
Manual Integrations
APPROVED

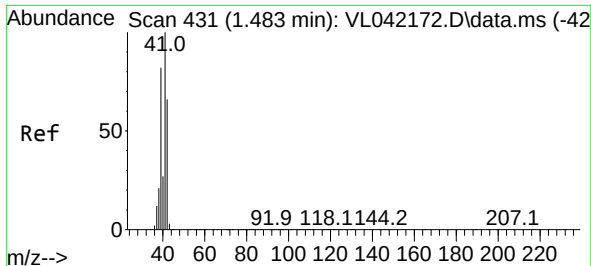
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#8
Dichlorotetrafluoroethane
Concen: 9.740 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

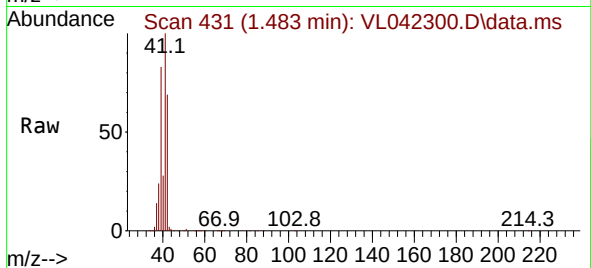
Tgt Ion: 85 Resp: 218294
Ion Ratio Lower Upper
85 100
135 60.9 52.4 78.6





#9
 Propene
 Concen: 8.863 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

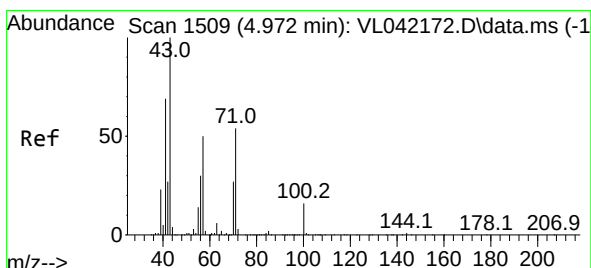
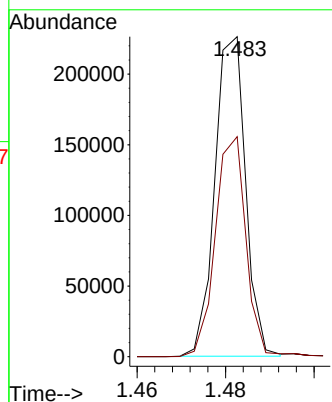
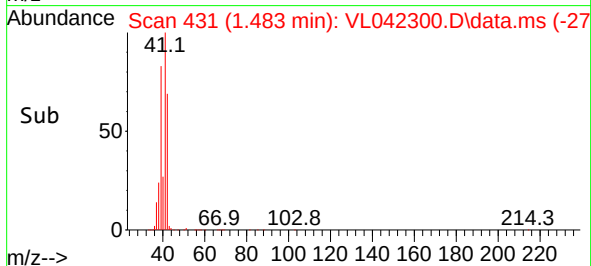
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



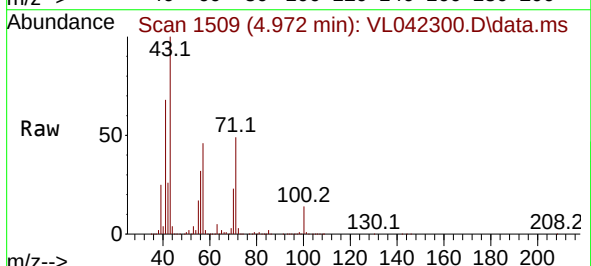
Tgt Ion: 41 Resp: 10922
 Ion Ratio Lower Upper
 41 100
 42 69.7 55.4 83.2

Manual Integrations
 APPROVED

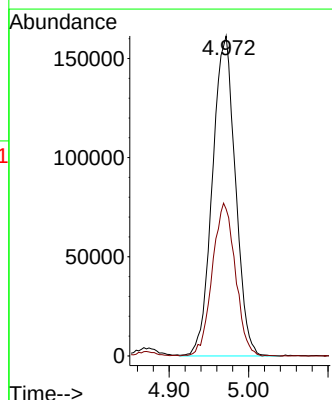
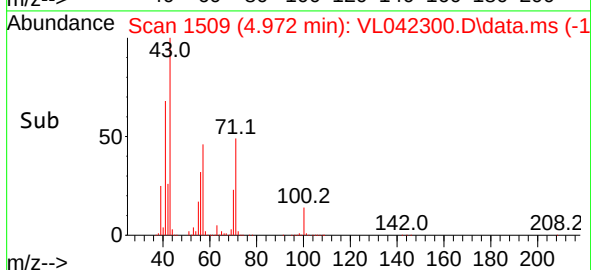
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

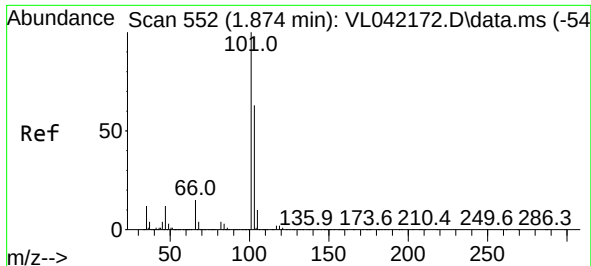


#10
 Heptane
 Concen: 9.887 ppbv
 RT: 4.972 min Scan# 1509
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27



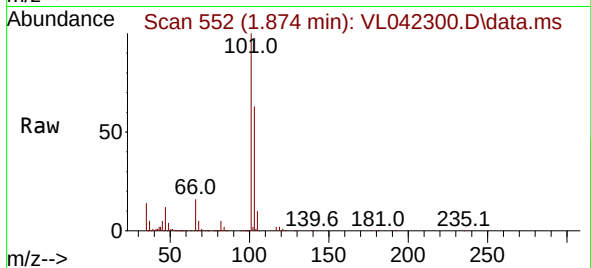
Tgt Ion: 43 Resp: 324095
 Ion Ratio Lower Upper
 43 100
 57 47.9 39.4 59.2





#11
 Trichlorofluoromethane
 Concen: 9.672 ppbv
 RT: 1.874 min Scan# 552
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

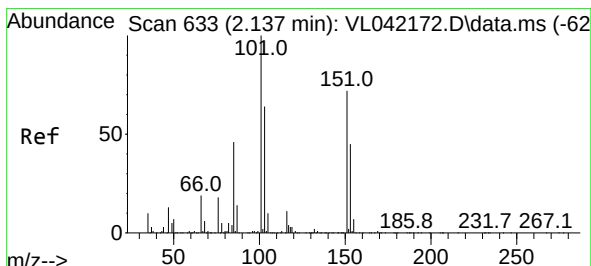
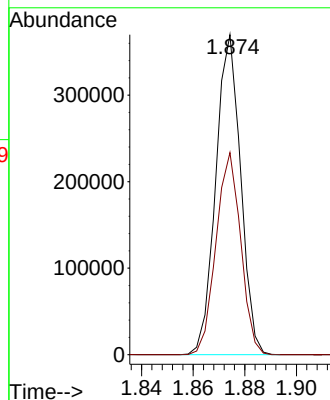
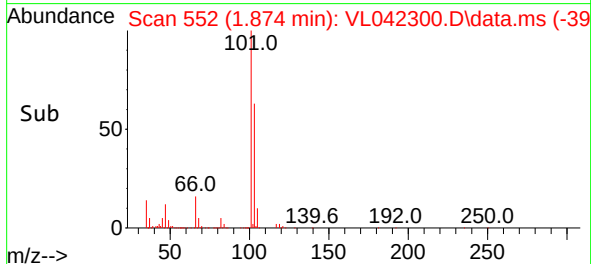
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



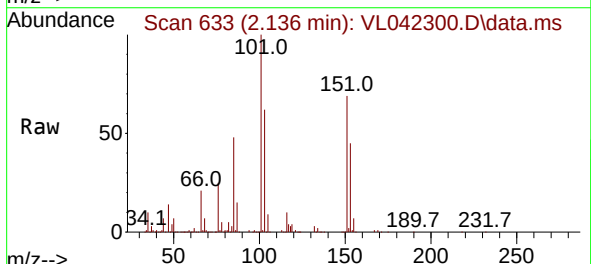
Tgt Ion:101 Resp: 24768
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.2 75.2

Manual Integrations
 APPROVED

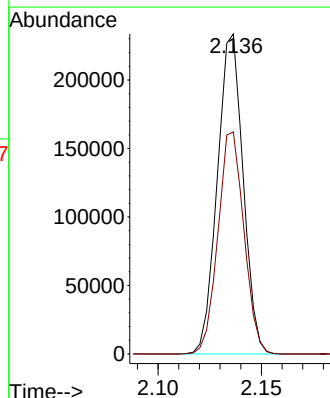
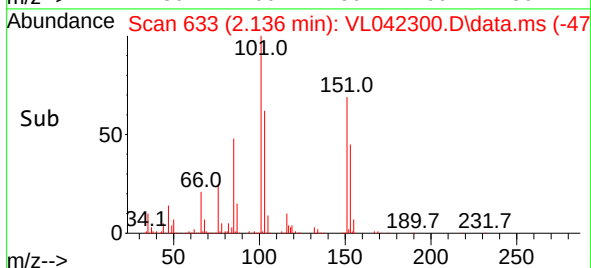
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

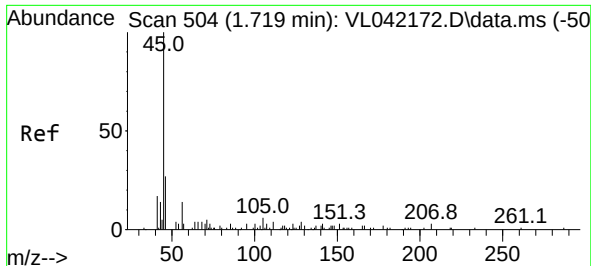


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.632 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27



Tgt Ion:101 Resp: 202744
 Ion Ratio Lower Upper
 101 100
 151 70.0 57.1 85.7





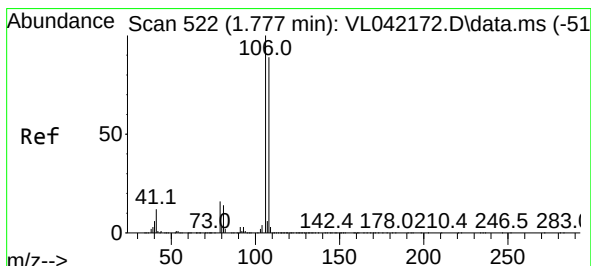
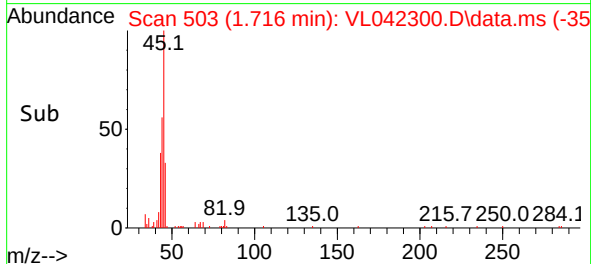
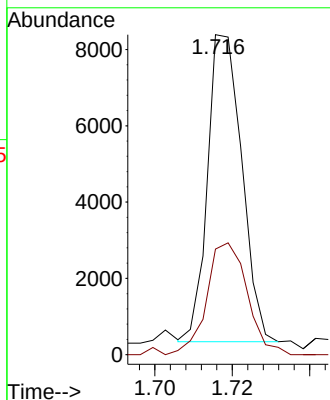
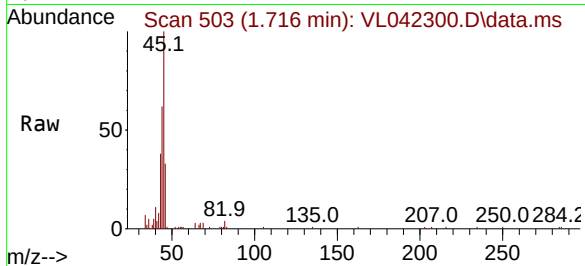
#13
Ethanol
Concen: 4.250 ppbv
RT: 1.716 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 495
Ion Ratio Lower Upper
45 100
46 43.7 20.2 80.8

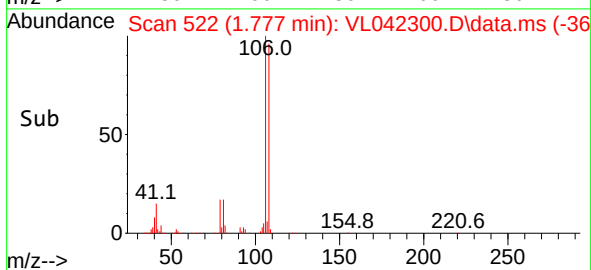
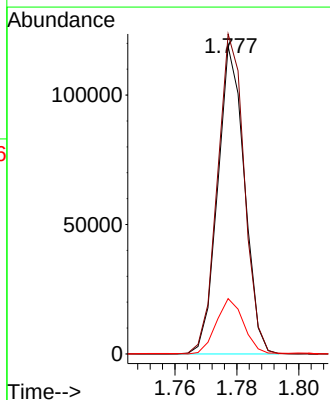
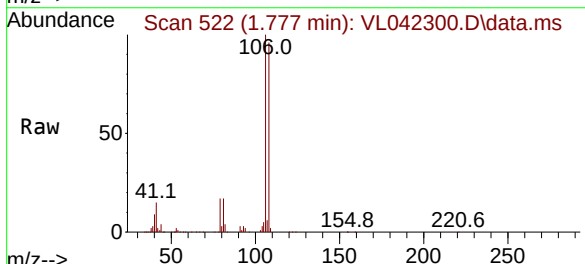
Manual Integrations
APPROVED

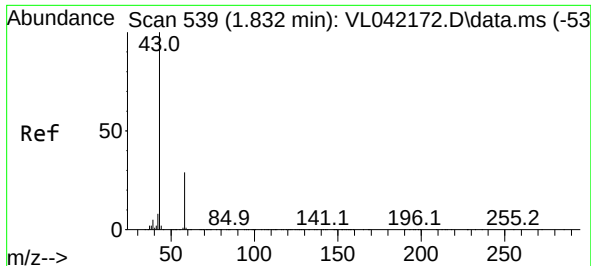
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#14
Bromoethene
Concen: 8.837 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

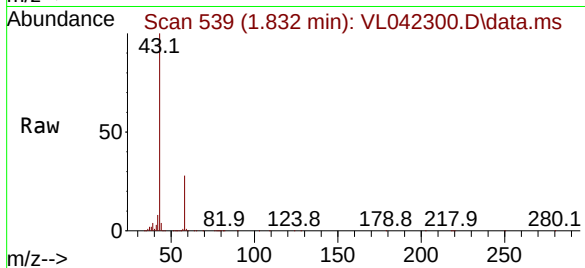
Tgt Ion:108 Resp: 71256
Ion Ratio Lower Upper
108 100
106 104.7 86.8 130.2
79 19.6 15.0 22.6





#15
Acetone
Concen: 8.968 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

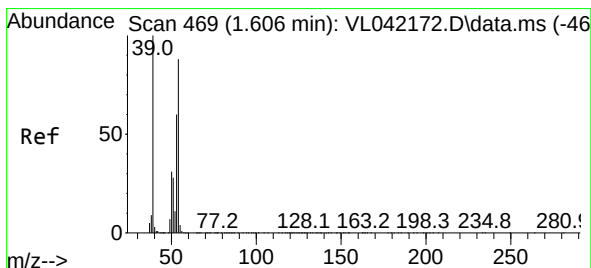
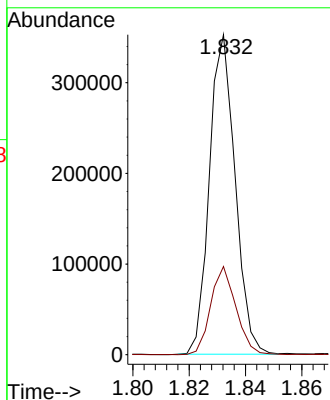
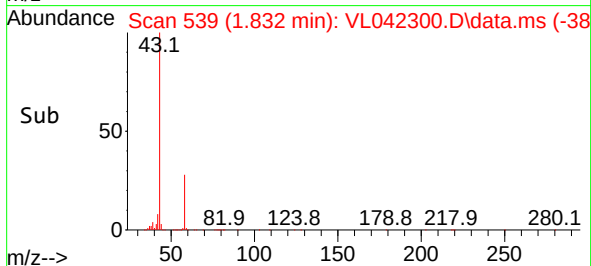
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



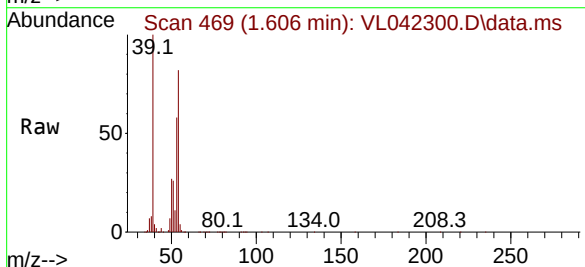
Tgt Ion: 43 Resp: 223558
Ion Ratio Lower Upper
43 100
58 27.3 23.2 34.8

Manual Integrations
APPROVED

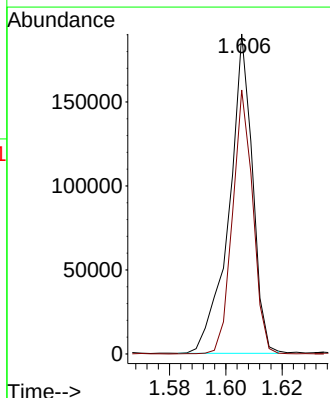
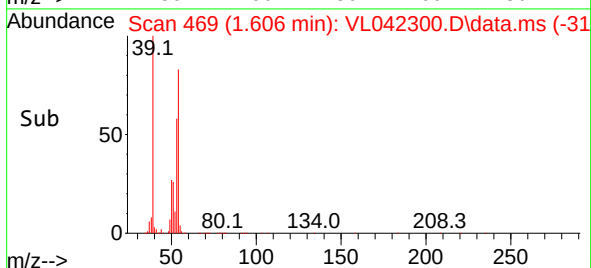
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

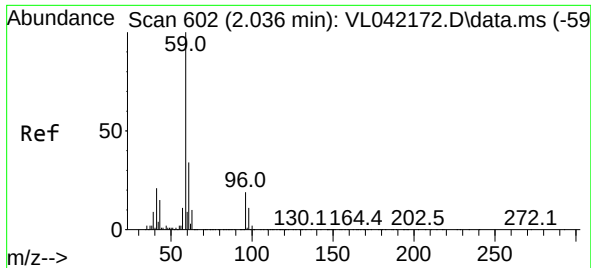


#16
1,3-Butadiene
Concen: 8.981 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



Tgt Ion: 39 Resp: 109334
Ion Ratio Lower Upper
39 100
54 72.2 60.7 91.1





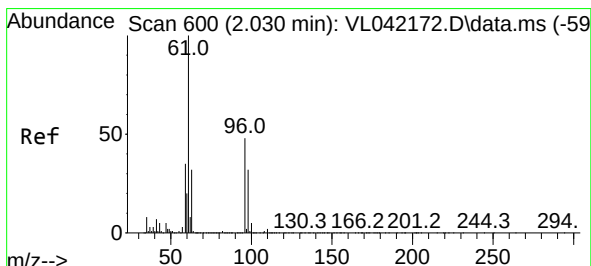
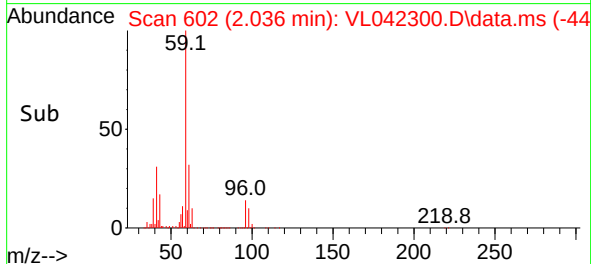
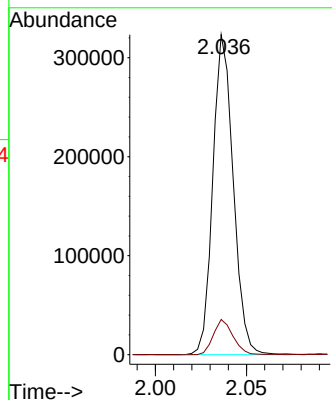
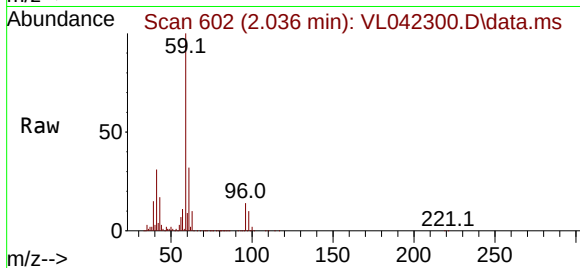
#17
tert-Butyl alcohol
Concen: 8.089 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 59 Resp: 25116
Ion Ratio Lower Upper
59 100
57 10.8 8.9 13.3

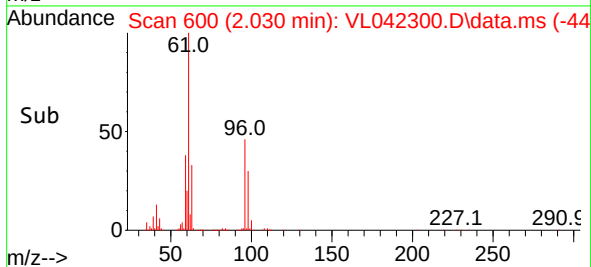
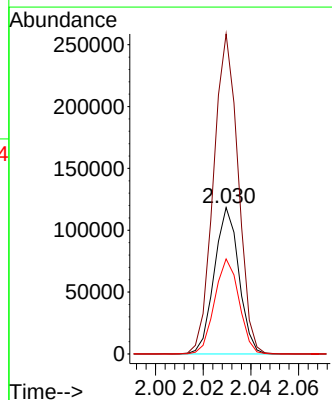
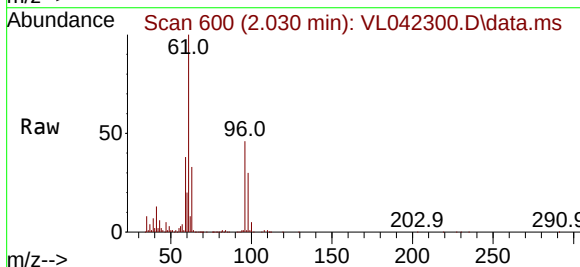
Manual Integrations
APPROVED

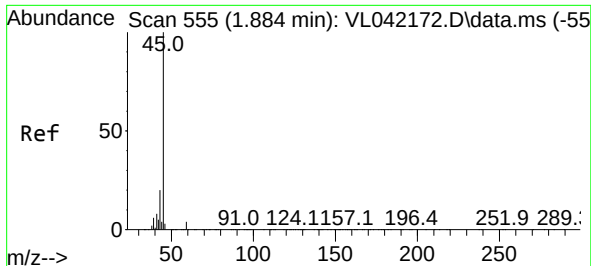
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#18
1,1-Dichloroethene
Concen: 8.622 ppbv
RT: 2.030 min Scan# 600
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Tgt Ion: 96 Resp: 84843
Ion Ratio Lower Upper
96 100
61 218.5 167.6 251.4
98 64.9 53.5 80.3





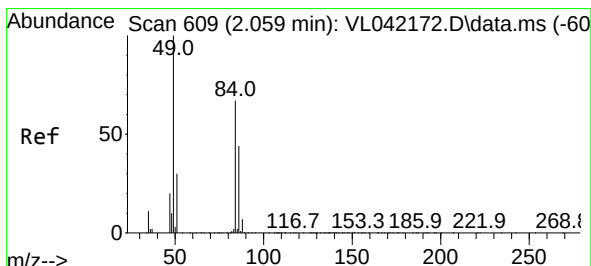
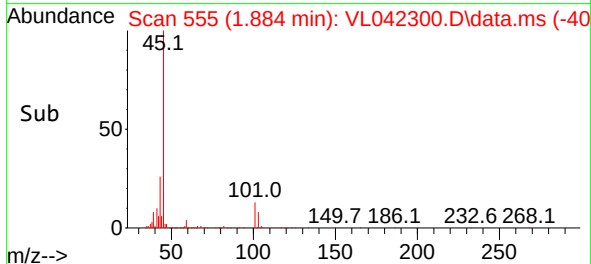
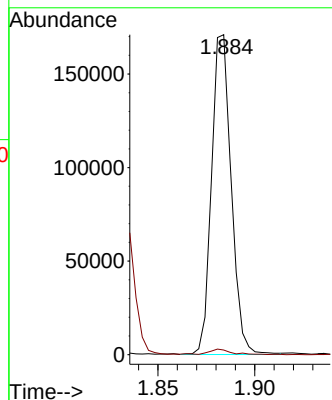
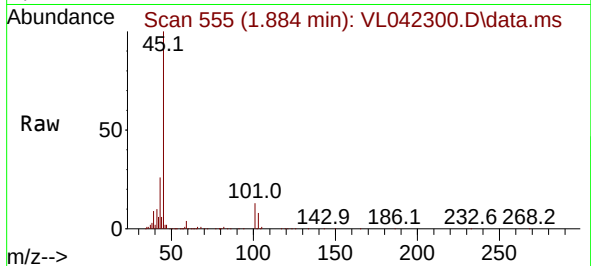
#19
Isopropyl Alcohol
Concen: 8.623 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 12128
Ion Ratio Lower Upper
45 100
58 50.5 36.9 55.3

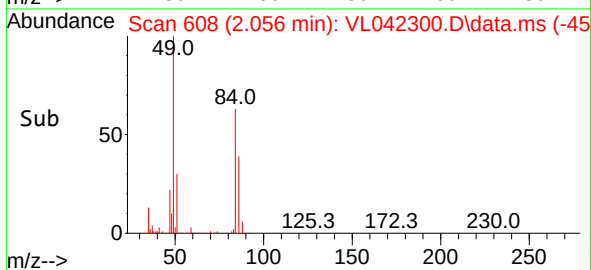
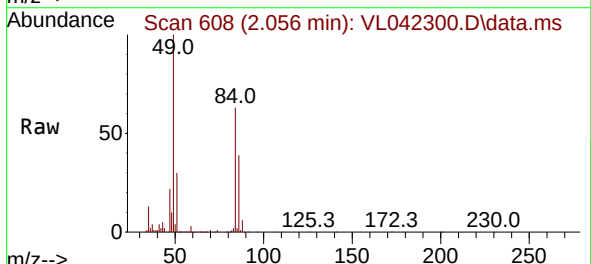
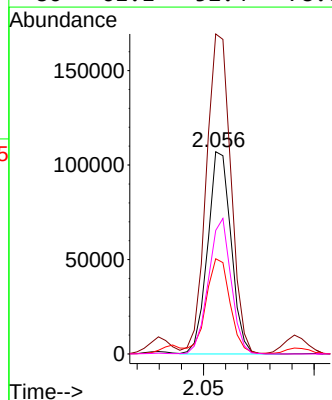
Manual Integrations
APPROVED

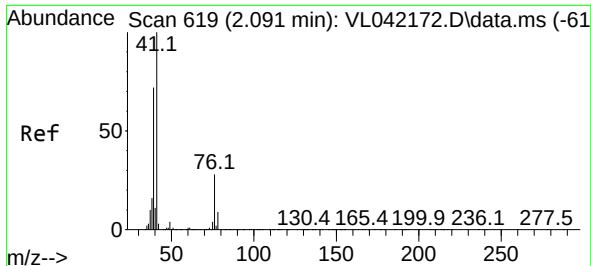
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#20
Methylene Chloride
Concen: 8.450 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

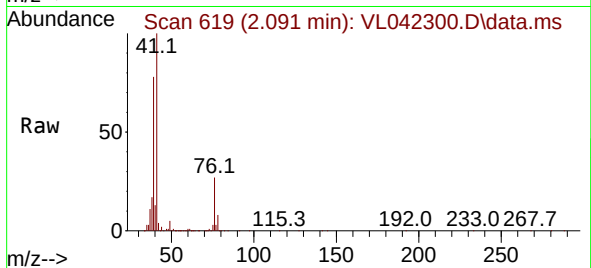
Tgt Ion: 84 Resp: 78454
Ion Ratio Lower Upper
84 100
49 156.4 120.2 180.4
51 46.3 37.4 56.0
86 61.1 52.4 78.6





#21
 Allyl Chloride
 Concen: 9.117 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

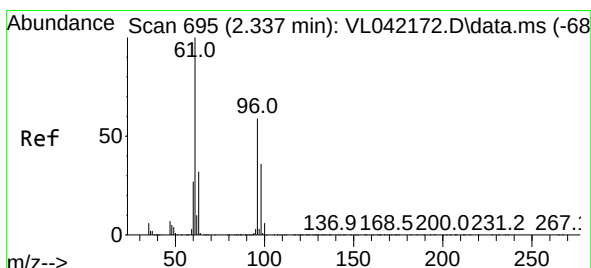
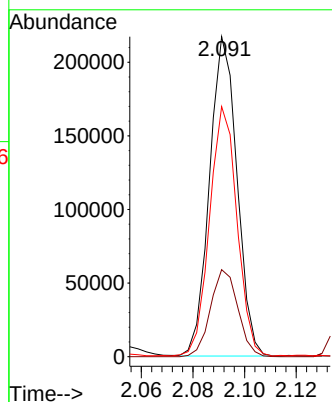
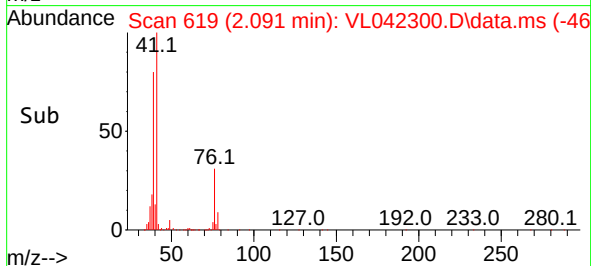
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



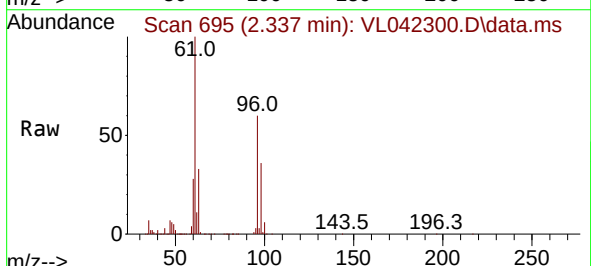
Tgt Ion: 41 Resp: 16028
 Ion Ratio Lower Upper
 41 100
 76 27.2 24.1 36.1
 39 77.6 61.1 91.7

Manual Integrations
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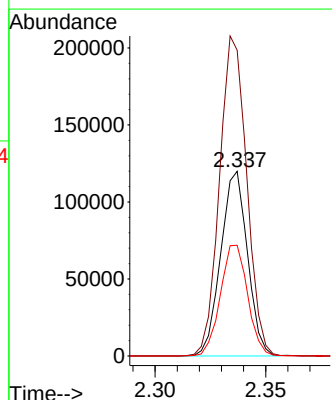
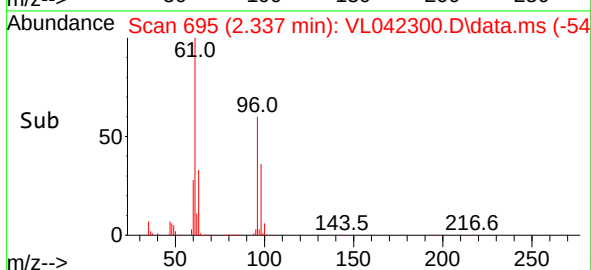
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

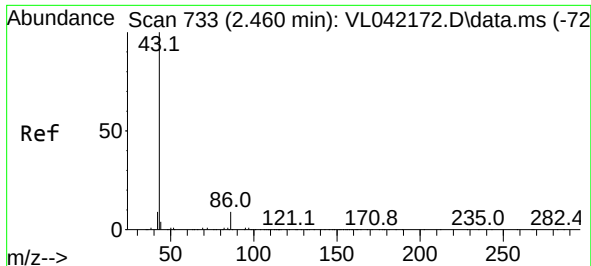


#22
 trans-1,2-Dichloroethene
 Concen: 8.866 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27



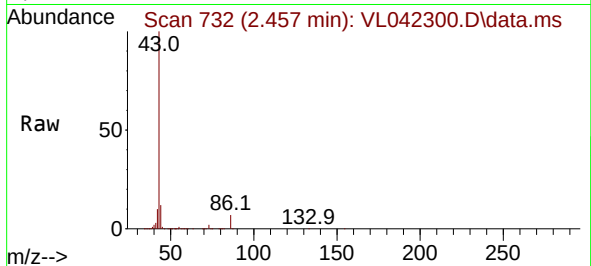
Tgt Ion: 96 Resp: 100830
 Ion Ratio Lower Upper
 96 100
 61 165.6 136.6 204.8
 98 60.0 49.4 74.2





#23
 Vinyl Acetate
 Concen: 8.068 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

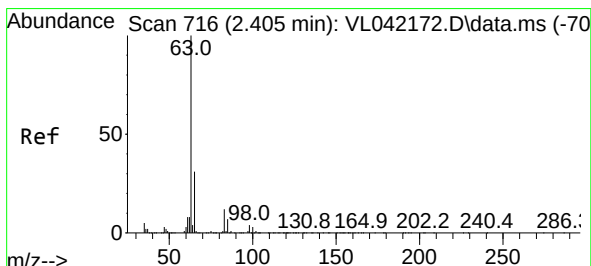
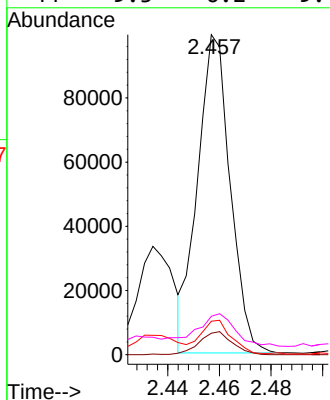
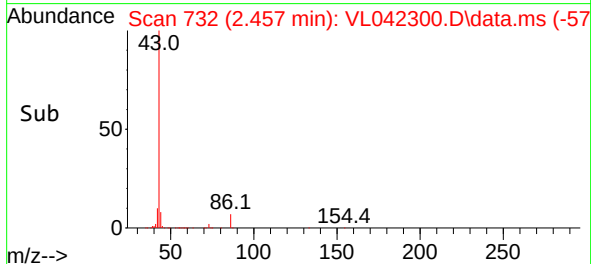
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



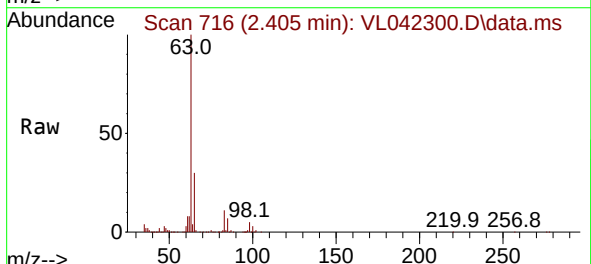
Tgt Ion:	43	Resp:	87054
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.5	8.3
42	9.9	8.6	13.0
44	9.3	6.2	9.4

Manual Integrations
 APPROVED

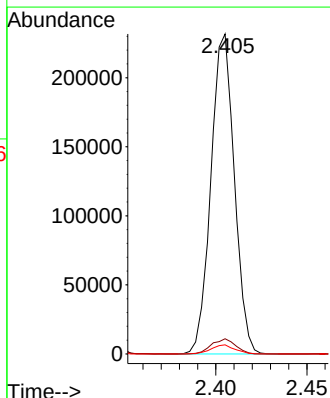
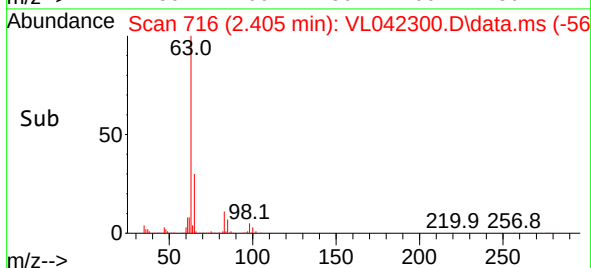
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

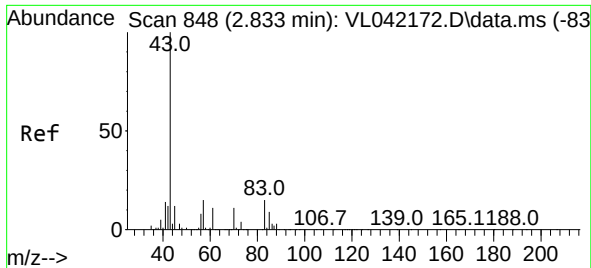


#24
 1,1-Dichloroethane
 Concen: 9.842 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27



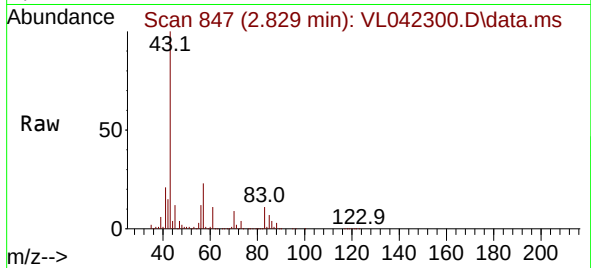
Tgt Ion:	63	Resp:	207493
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	2.9	1.6	4.7





#25
Ethyl Acetate
Concen: 10.031 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

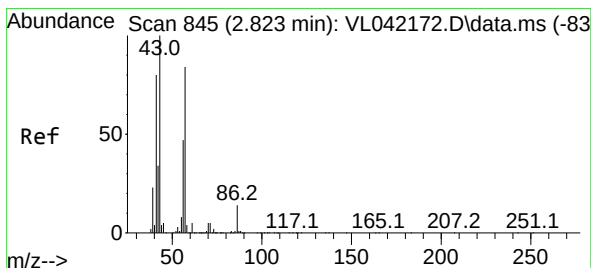
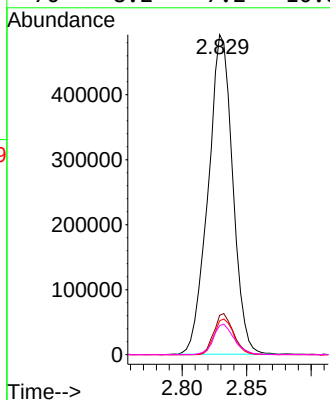
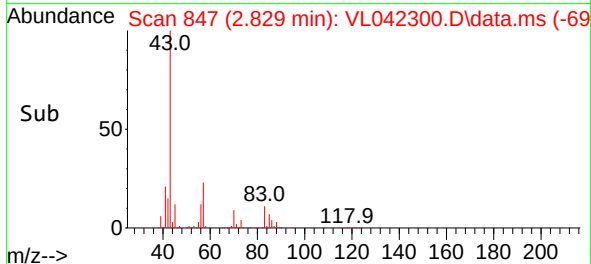
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 648989
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 9.0 7.3 10.9
70 8.2 7.2 10.8

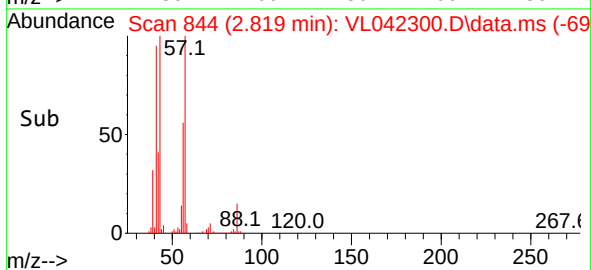
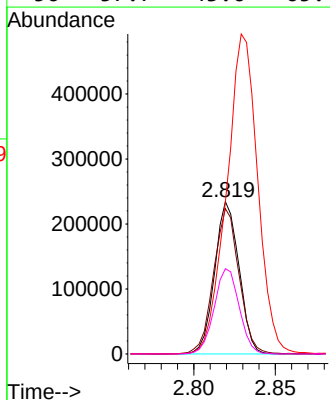
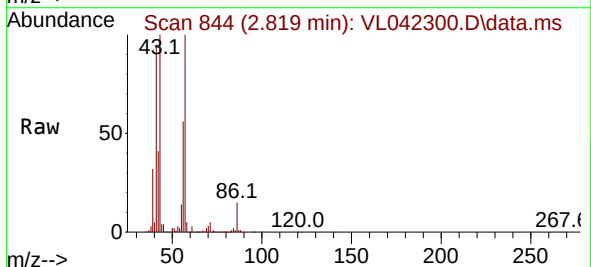
Manual Integrations
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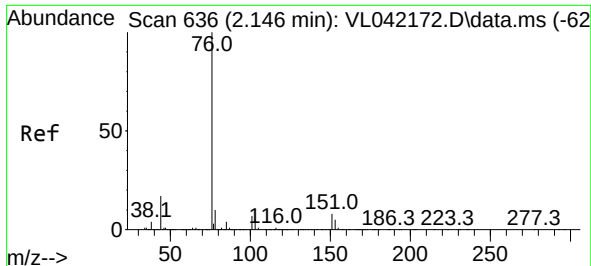
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#26
Hexane
Concen: 9.715 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

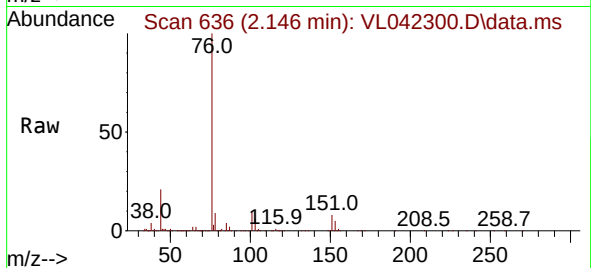
Tgt Ion: 57 Resp: 242802
Ion Ratio Lower Upper
57 100
41 100.4 76.6 114.8
43 269.0 207.8 311.8
56 57.7 43.6 65.4





#27
Carbon Disulfide
Concen: 9.211 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

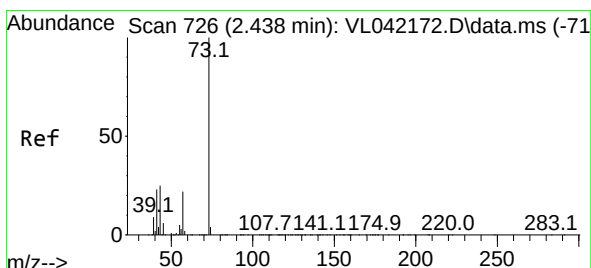
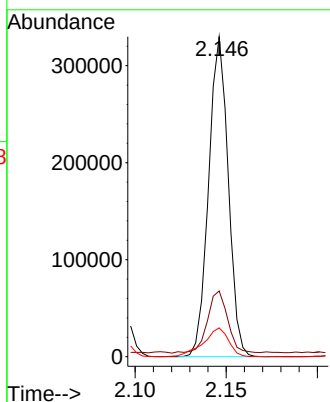
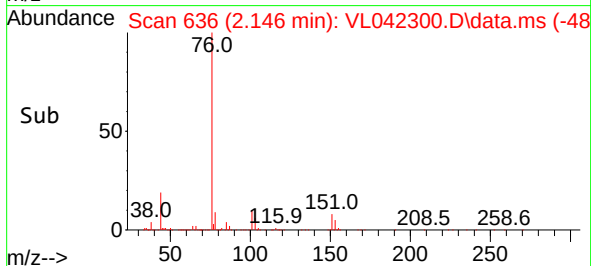
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



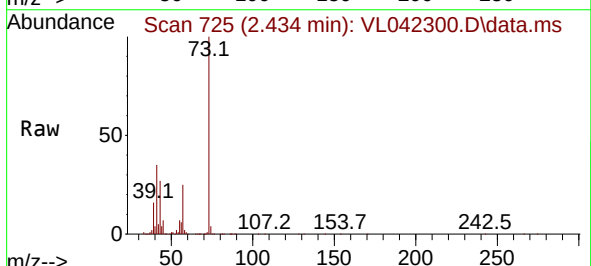
Tgt Ion: 76 Resp: 246850
Ion Ratio Lower Upper
76 100
44 20.5 14.7 22.1
78 11.5 9.3 13.9

Manual Integrations
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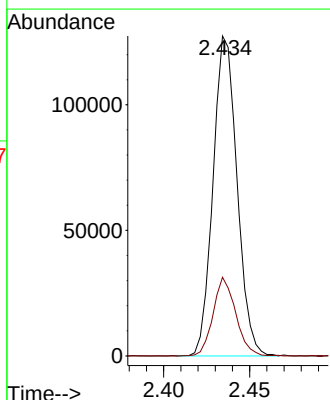
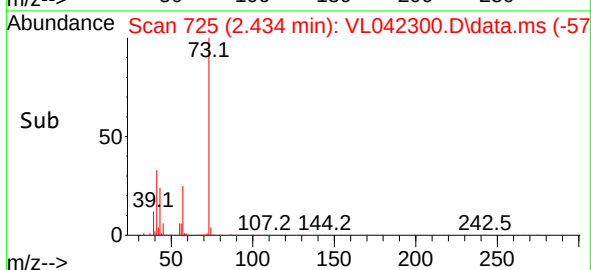
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

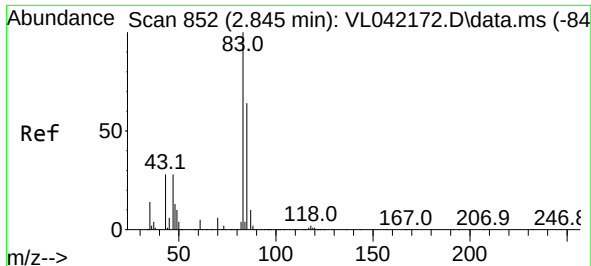


#28
Methyl tert-Butyl Ether
Concen: 7.955 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



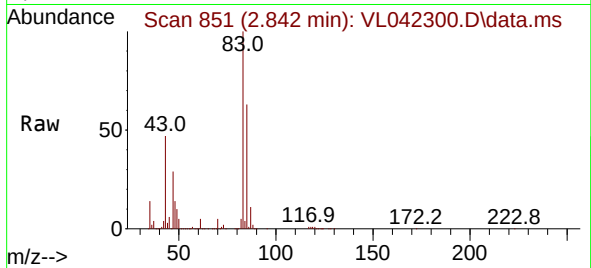
Tgt Ion: 73 Resp: 123776
Ion Ratio Lower Upper
73 100
57 23.2 20.5 30.7





#29
Chloroform
Concen: 10.507 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

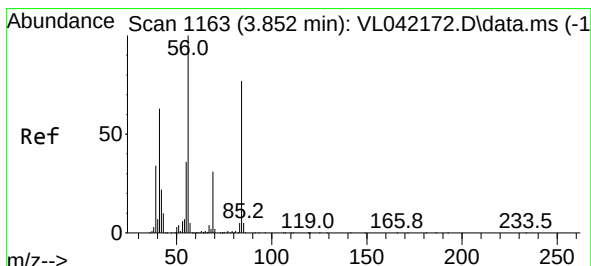
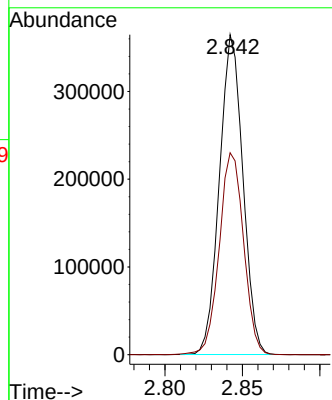
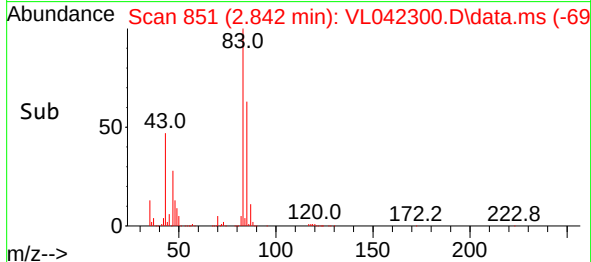
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 83 Resp: 384275
Ion Ratio Lower Upper
83 100
85 63.1 51.4 77.2

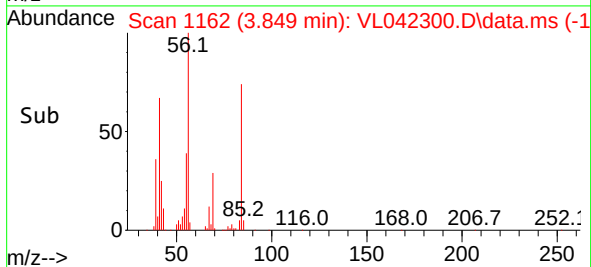
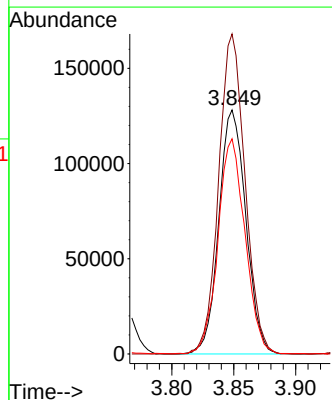
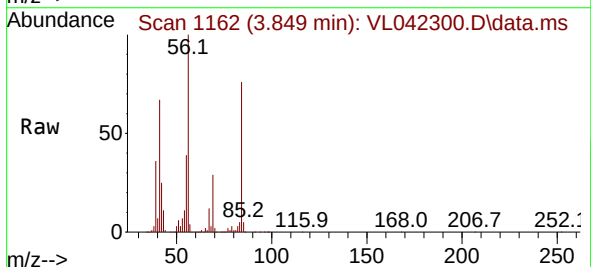
Manual Integrations
APPROVED

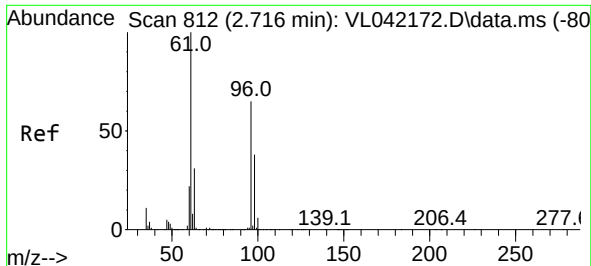
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#30
Cyclohexane
Concen: 8.992 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

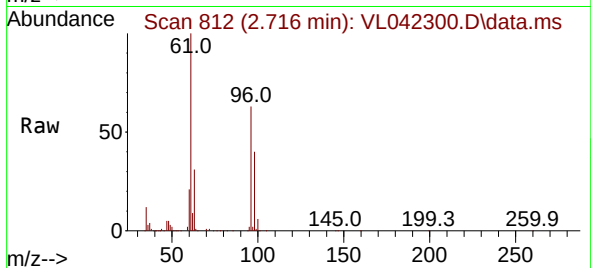
Tgt Ion: 84 Resp: 195121
Ion Ratio Lower Upper
84 100
56 127.8 102.8 154.2
41 88.4 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 9.093 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

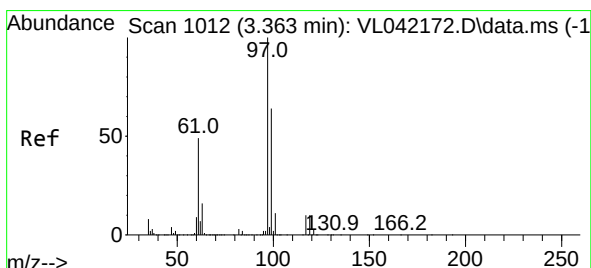
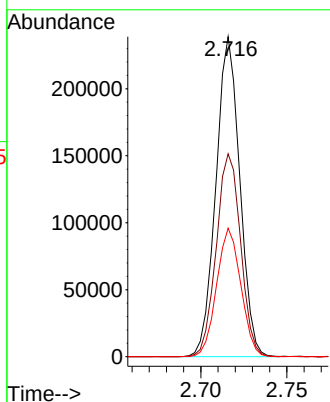
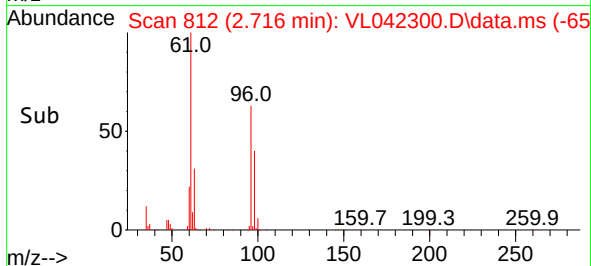
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



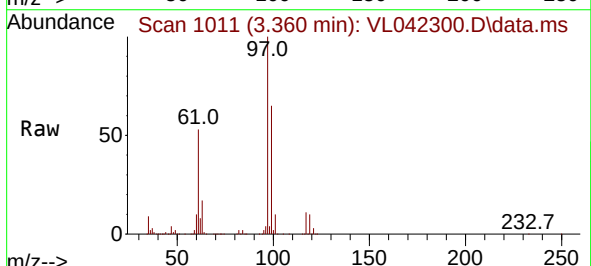
Tgt Ion: 61 Resp: 230708
 Ion Ratio Lower Upper
 61 100
 96 63.4 51.8 77.8
 98 40.1 30.6 46.0

Manual Integrations
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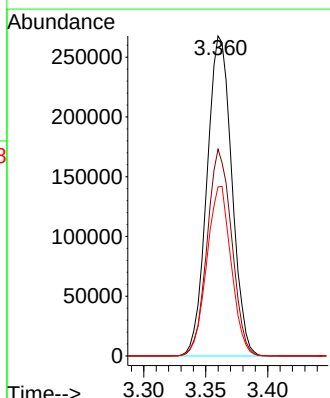
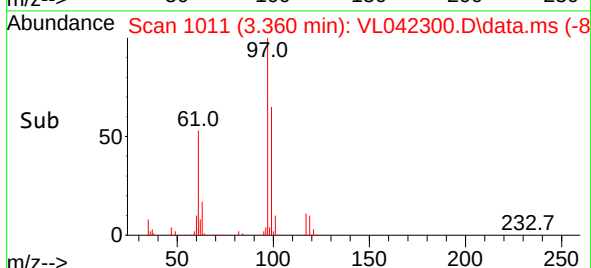
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

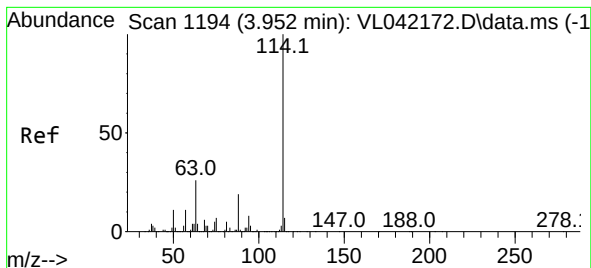


#32
 1,1,1-Trichloroethane
 Concen: 8.947 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.003 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27



Tgt Ion: 97 Resp: 374626
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.5 77.3
 61 52.2 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

Instrument :

MSVOA_L

ClientSampleId :

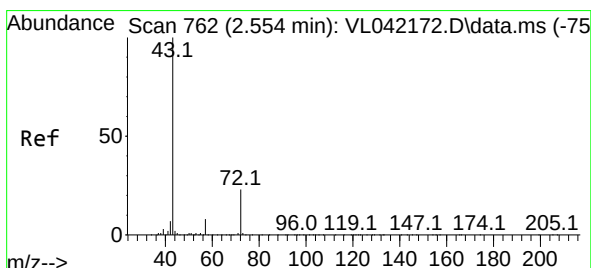
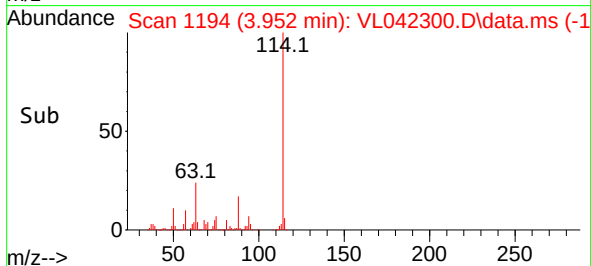
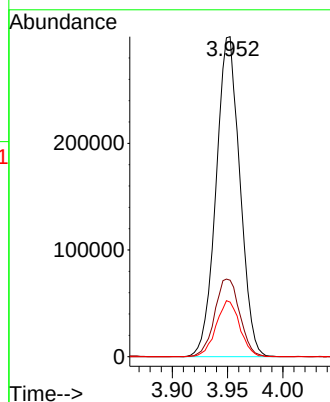
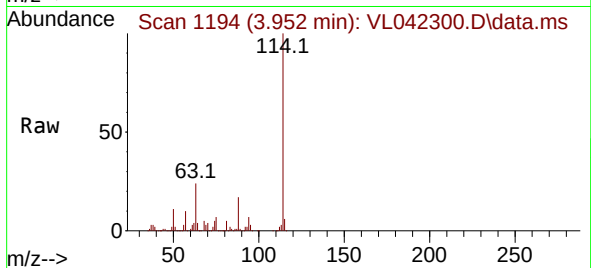
VSTDCCC010

Tgt Ion:	114	Resp:	448439
Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.7	31.1
88	17.4	15.0	22.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#34

2-Butanone

Concen: 11.030 ppbv

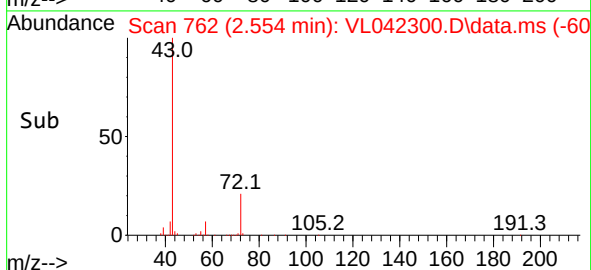
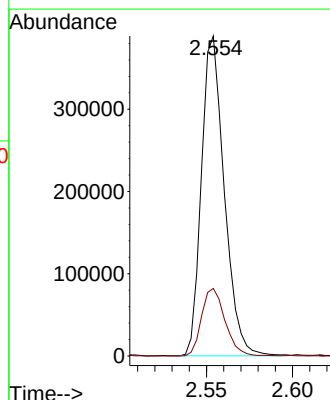
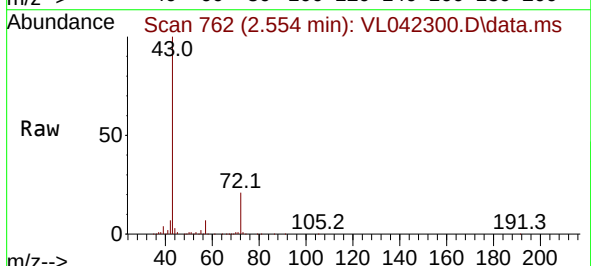
RT: 2.554 min Scan# 762

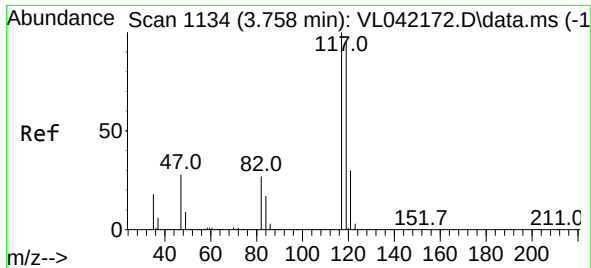
Delta R.T. -0.000 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

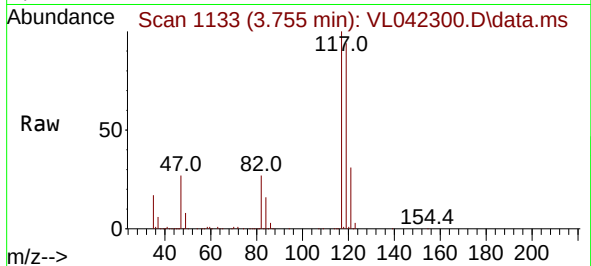
Tgt Ion:	43	Resp:	358677
Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.2	27.2





#35
Carbon Tetrachloride
Concen: 11.208 ppbv
RT: 3.755 min Scan# 1133
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

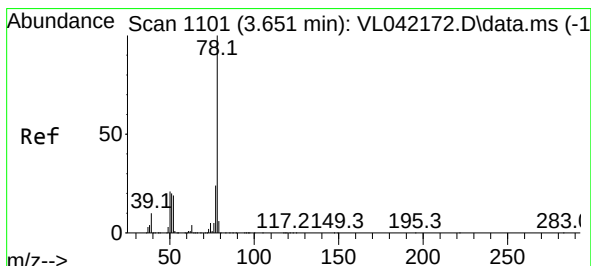
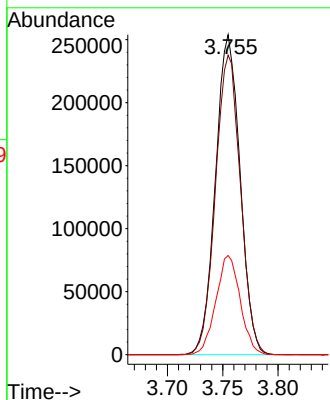
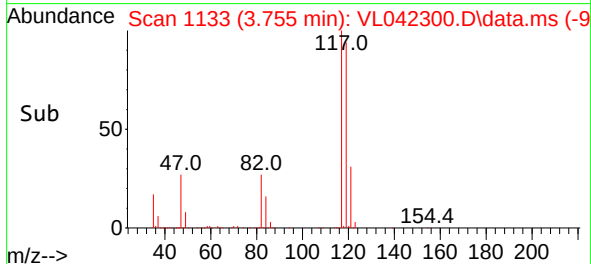
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



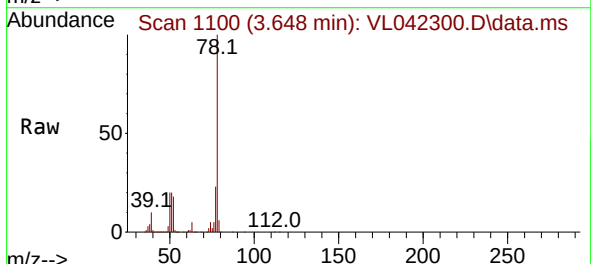
Tgt Ion:117 Resp: 392632
Ion Ratio Lower Upper
117 100
119 93.6 76.2 114.2
121 31.0 24.2 36.4

Manual Integrations
APPROVED

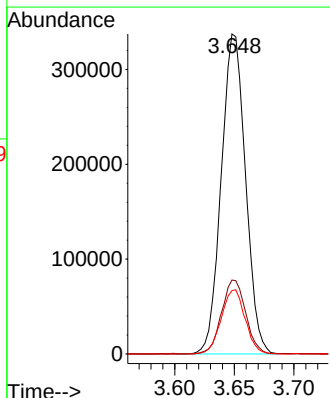
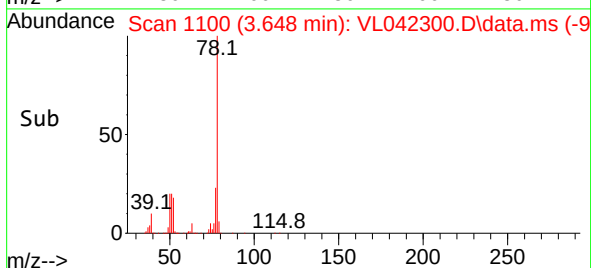
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

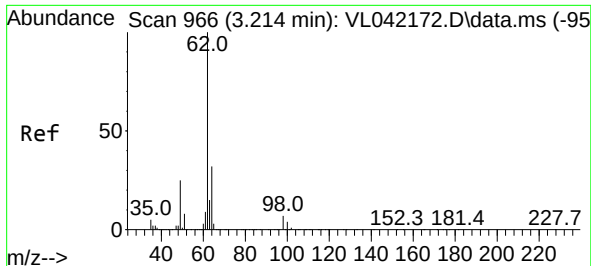


#36
Benzene
Concen: 10.756 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



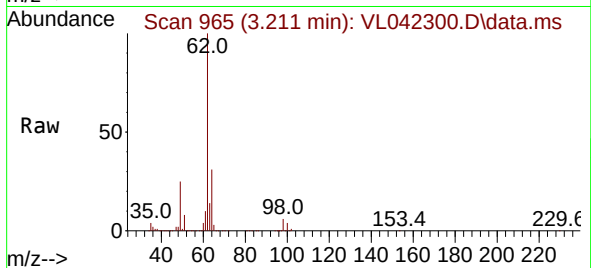
Tgt Ion: 78 Resp: 478185
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7
50 19.8 16.6 24.8





#37
1,2-Dichloroethane
Concen: 11.276 ppbv
RT: 3.211 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

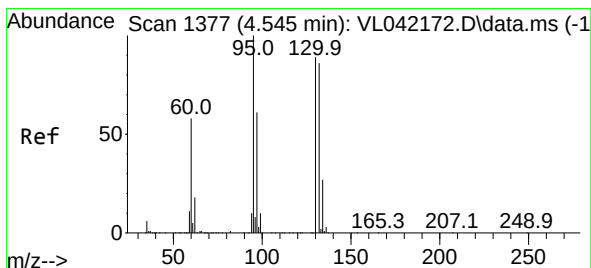
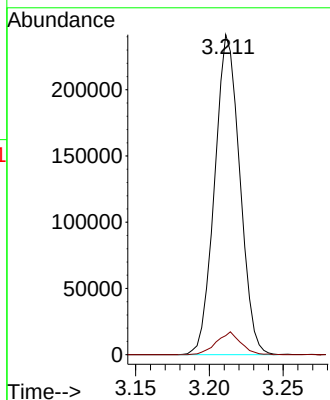
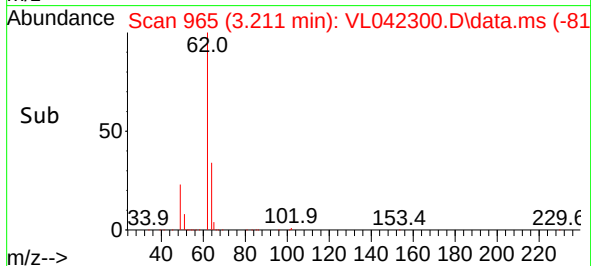
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 62 Resp: 28698
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.2

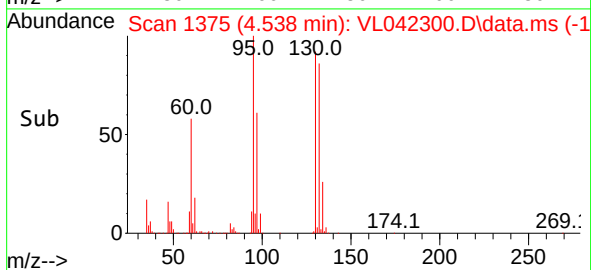
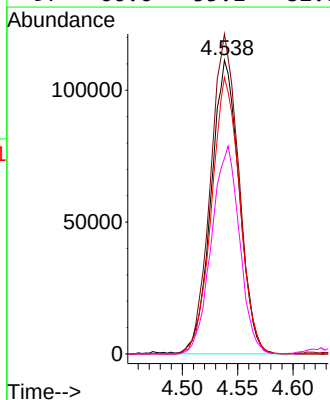
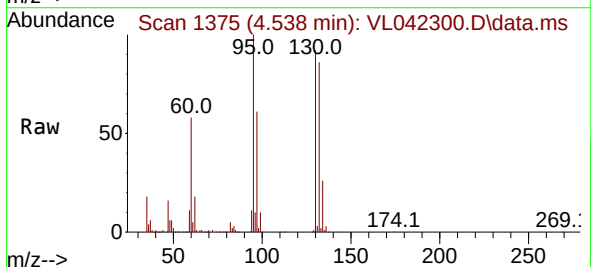
Manual Integrations
APPROVED

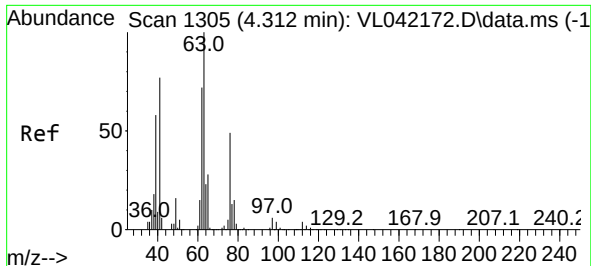
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#38
Trichloroethene
Concen: 10.550 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Tgt Ion:130 Resp: 195692
Ion Ratio Lower Upper
130 100
95 108.9 89.8 134.8
132 94.2 77.4 116.2
97 66.6 55.1 82.7





#39

1,2-Dichloropropane

Concen: 10.933 ppbv

RT: 4.305 min Scan# 1305

Delta R.T. -0.007 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

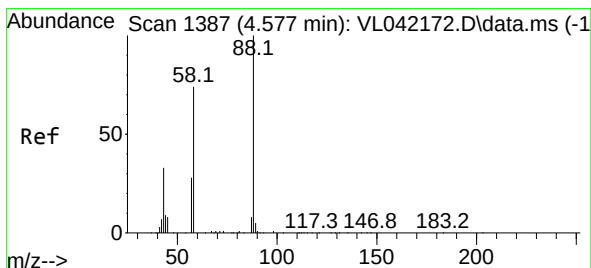
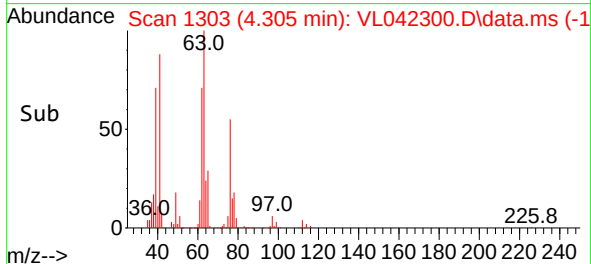
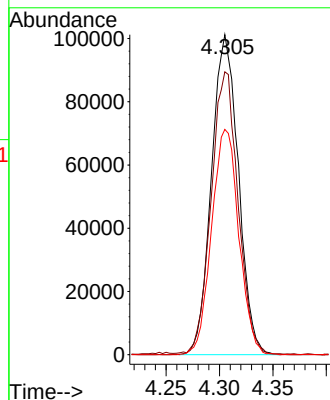
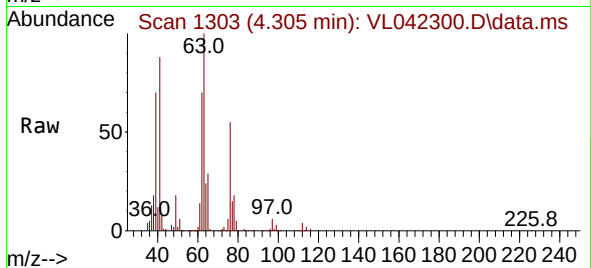
Tgt Ion: 63 Resp: 17701

Ion	Ratio	Lower	Upper
63	100		
41	88.1	61.7	92.5
62	70.4	57.6	86.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#40

1,4-Dioxane

Concen: 9.570 ppbv

RT: 4.574 min Scan# 1386

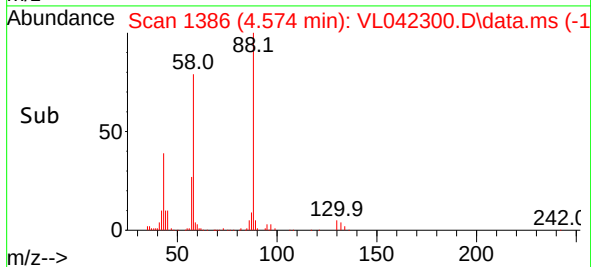
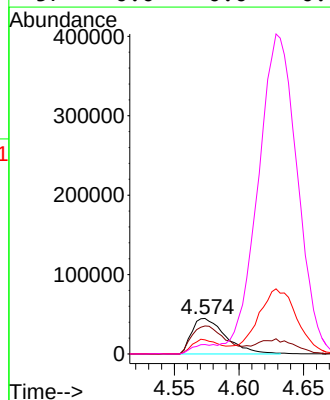
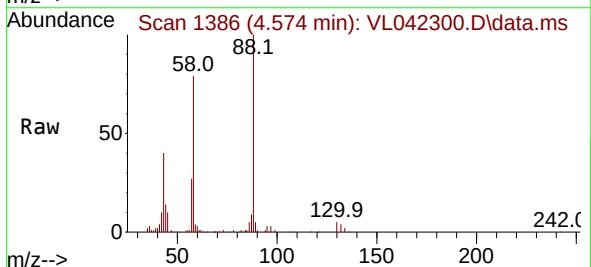
Delta R.T. -0.003 min

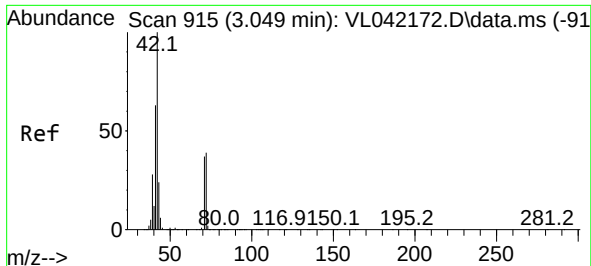
Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

Tgt Ion: 88 Resp: 82234

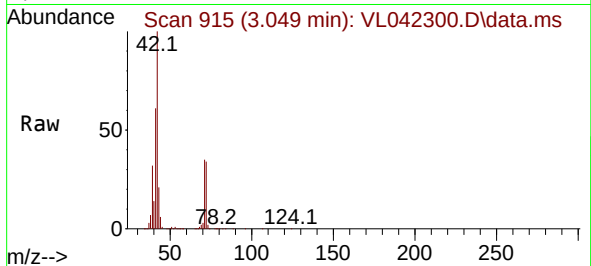
Ion	Ratio	Lower	Upper
88	100		
58	77.1	62.7	94.1
43	35.0	23.0	34.4#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.878 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

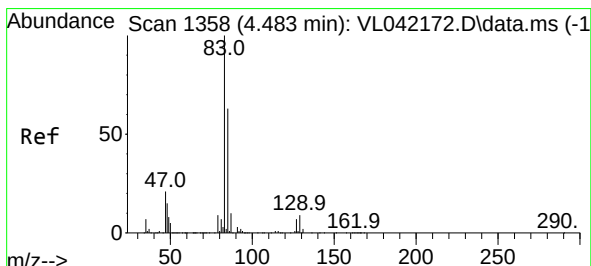
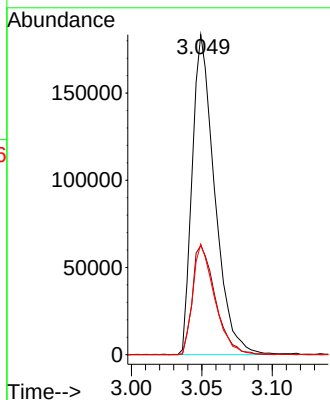
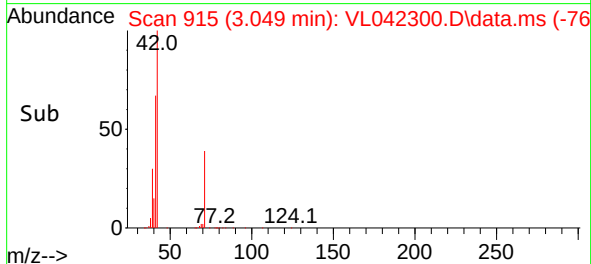
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



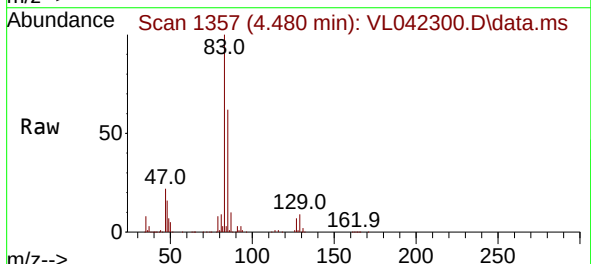
Tgt Ion: 42 Resp: 203688
Ion Ratio Lower Upper
42 100
72 35.0 31.4 47.0
71 33.8 30.2 45.4

Manual Integrations
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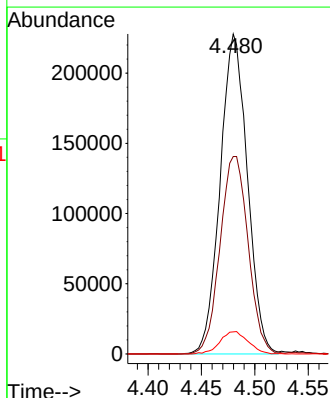
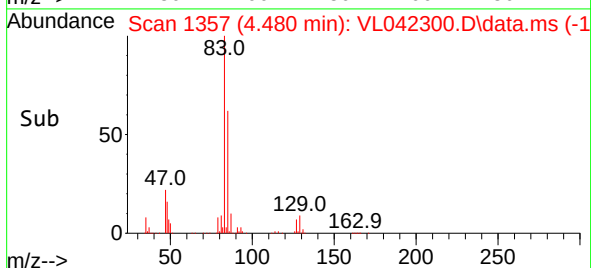
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

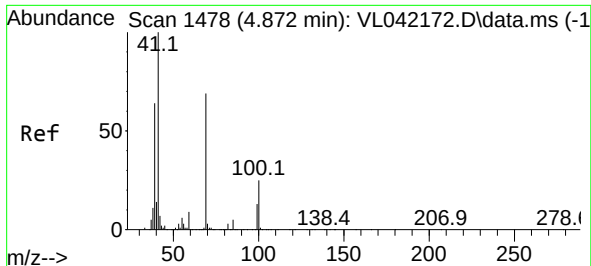


#42
Bromodichloromethane
Concen: 11.496 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



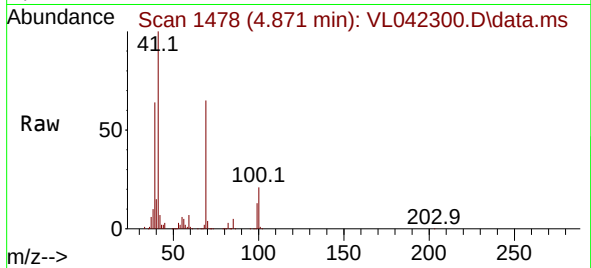
Tgt Ion: 83 Resp: 403381
Ion Ratio Lower Upper
83 100
85 61.7 50.5 75.7
127 6.9 5.9 8.9





#43
Methyl Methacrylate
Concen: 9.265 ppbv
RT: 4.871 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

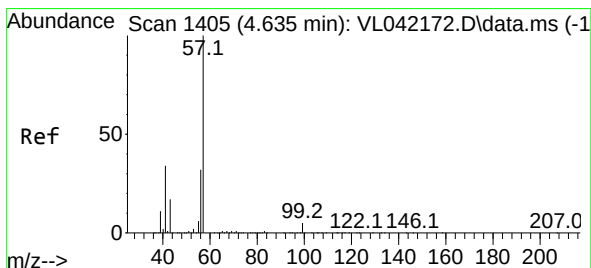
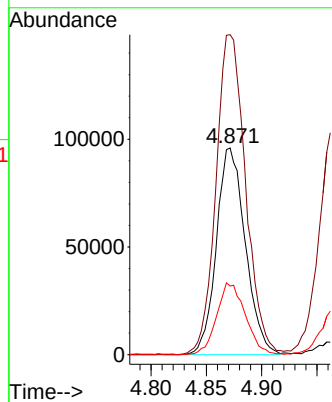
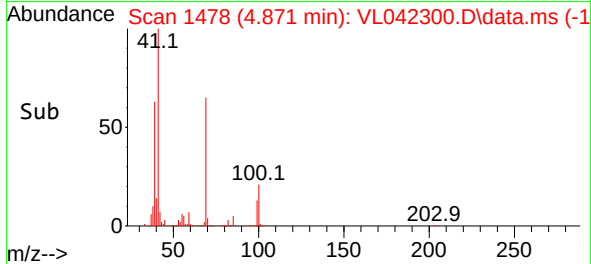
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



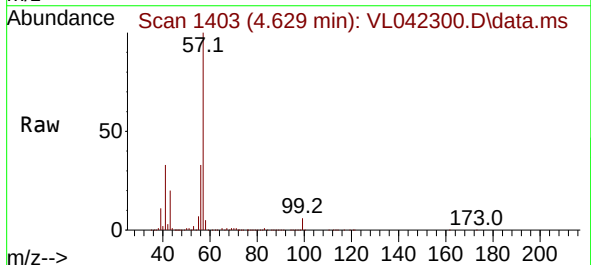
Tgt Ion: 69 Resp: 17437
Ion Ratio Lower Upper
69 100
41 158.5 123.8 185.6
100 34.5 28.4 42.6

Manual Integrations
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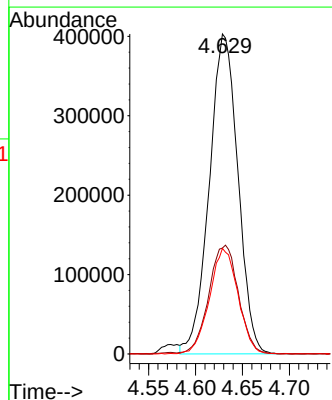
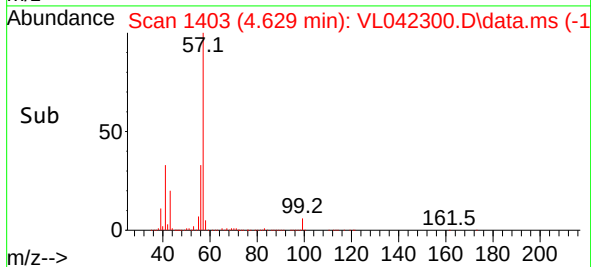
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

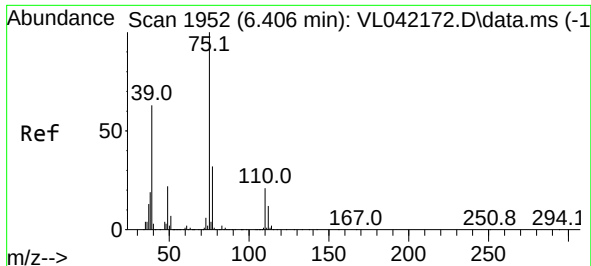


#44
2,2,4-Trimethylpentane
Concen: 11.369 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.007 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



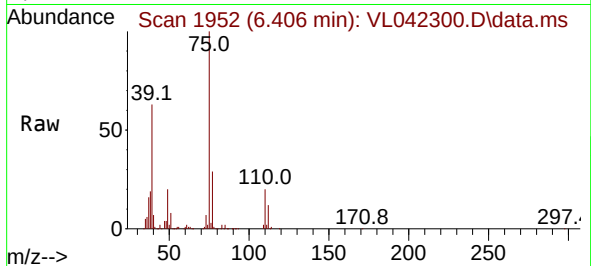
Tgt Ion: 57 Resp: 854163
Ion Ratio Lower Upper
57 100
41 35.5 26.8 40.2
56 32.9 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 8.172 ppbv
RT: 6.406 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

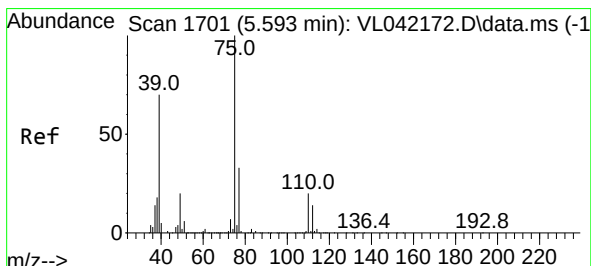
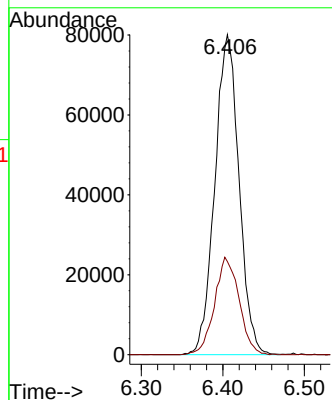
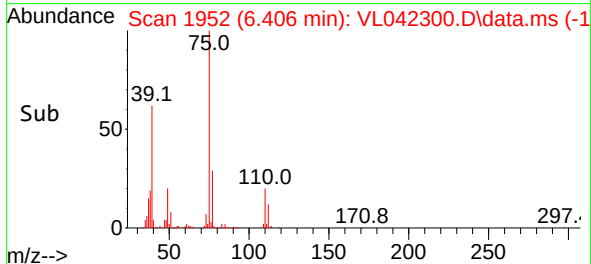
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 75 Resp: 16501
Ion Ratio Lower Upper
75 100
77 29.1 26.0 39.0

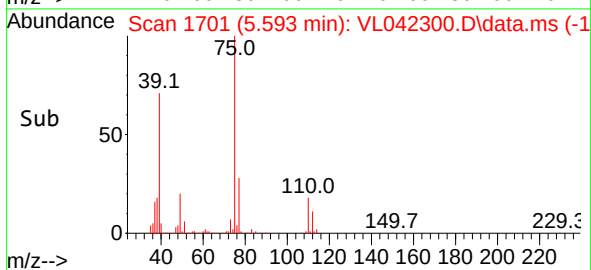
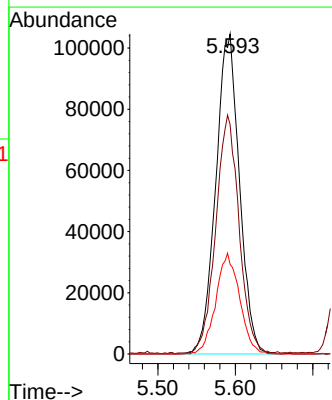
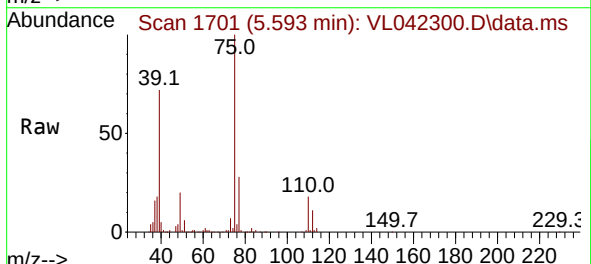
Manual Integrations
APPROVED

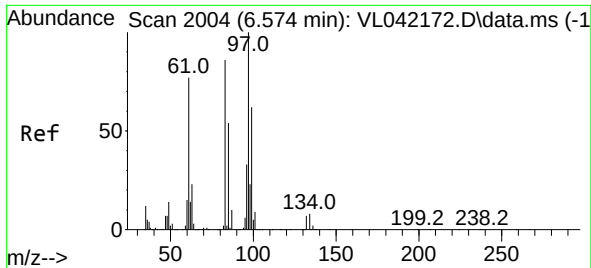
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#46
cis-1,3-Dichloropropene
Concen: 8.962 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

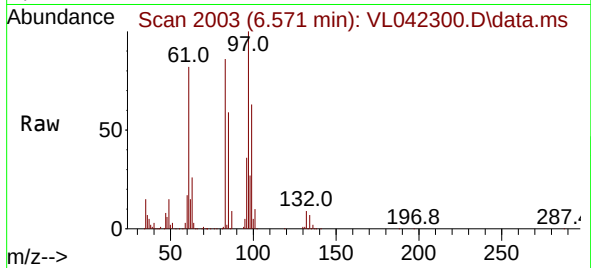
Tgt Ion: 75 Resp: 221829
Ion Ratio Lower Upper
75 100
39 71.4 55.8 83.6
77 28.0 26.0 39.0





#47
1,1,2-Trichloroethane
Concen: 11.408 ppbv
RT: 6.571 min Scan# 2004
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

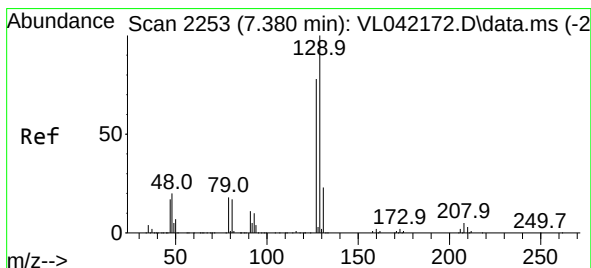
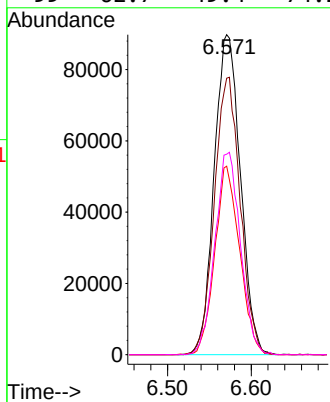
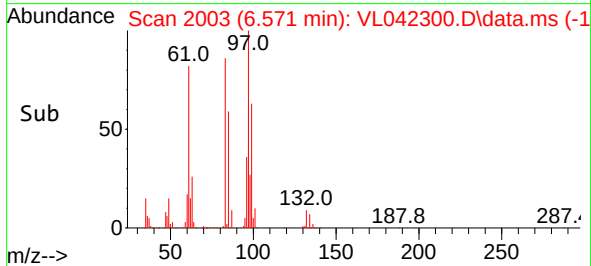
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 195254
Ion Ratio Lower Upper
97 100
83 86.4 69.2 103.8
85 58.9 43.1 64.7
99 62.7 49.4 74.2

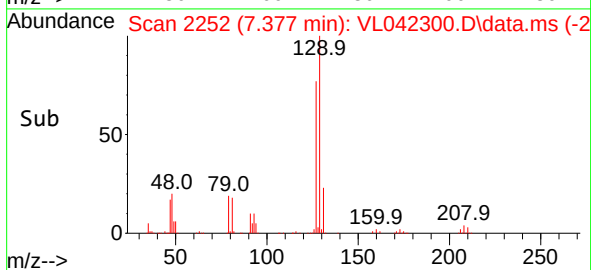
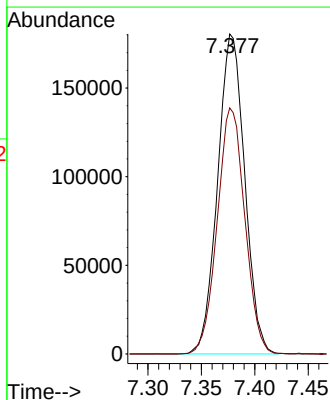
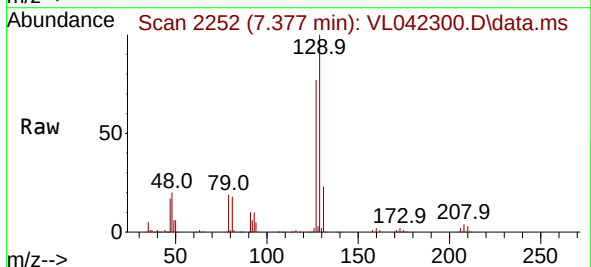
Manual Integrations
APPROVED

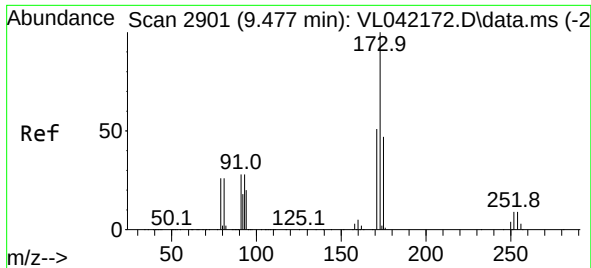
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#48
Dibromochloromethane
Concen: 10.970 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

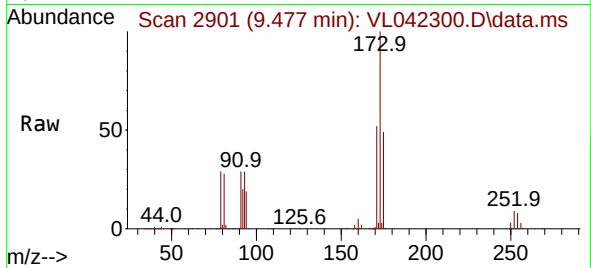
Tgt Ion:129 Resp: 318189
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





#49
Bromoform
Concen: 10.964 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

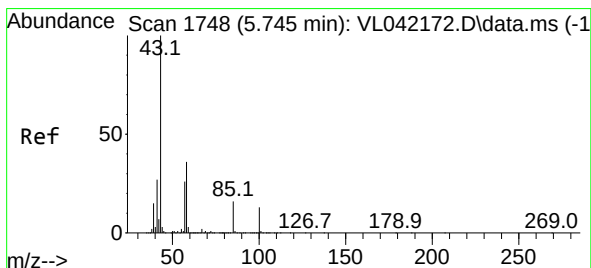
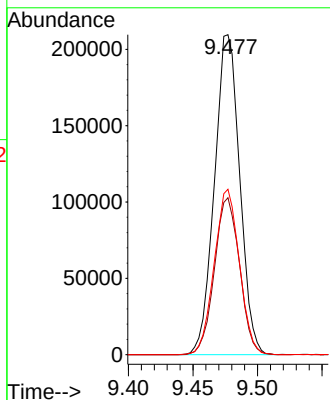
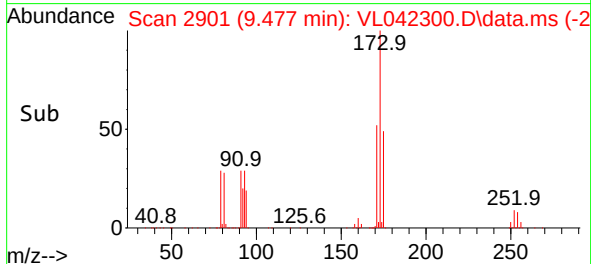
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



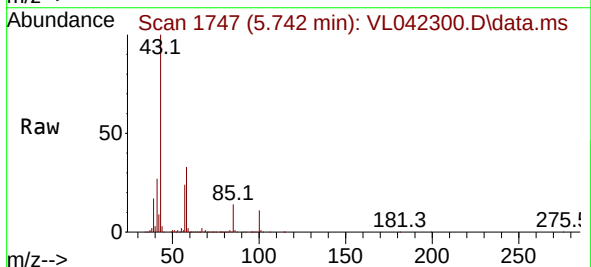
Tgt Ion:173 Resp: 28551
Ion Ratio Lower Upper
173 100
175 48.7 38.6 57.8
171 51.4 41.8 62.6

Manual Integrations
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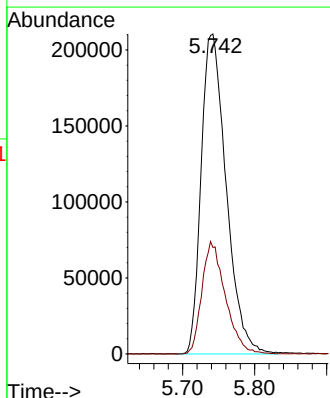
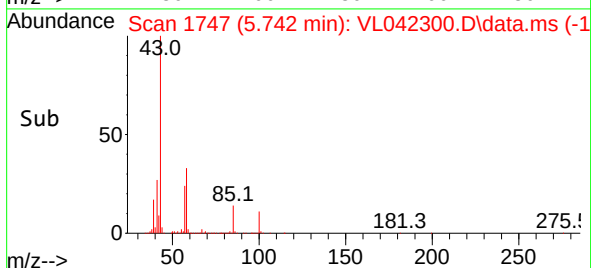
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

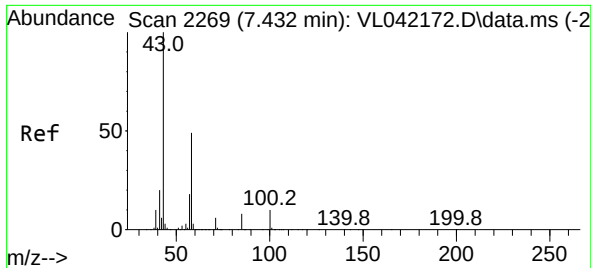


#50
4-Methyl-2-Pentanone
Concen: 9.852 ppbv
RT: 5.742 min Scan# 1747
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



Tgt Ion: 43 Resp: 507692
Ion Ratio Lower Upper
43 100
58 32.9 29.0 43.6





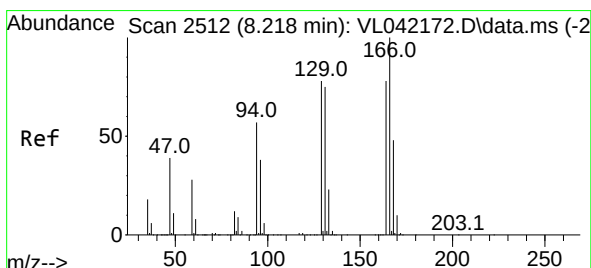
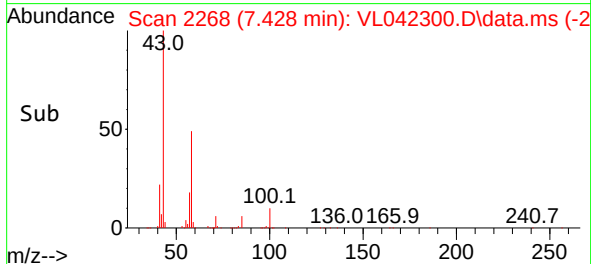
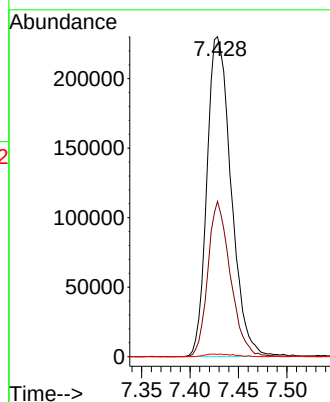
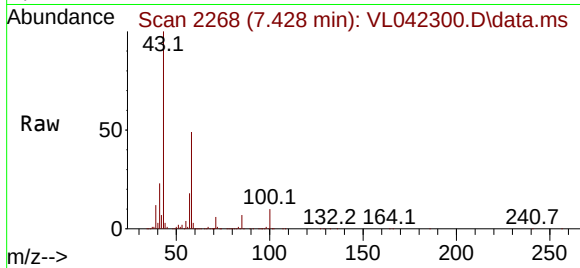
#51
2-Hexanone
Concen: 9.449 ppbv
RT: 7.428 min Scan# 2111
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 39988
Ion Ratio Lower Upper
43 100
58 45.4 39.7 59.5
98 1.0 0.1 0.1

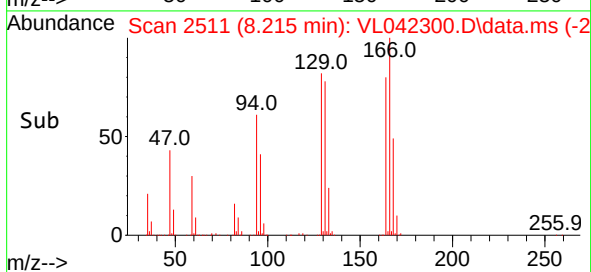
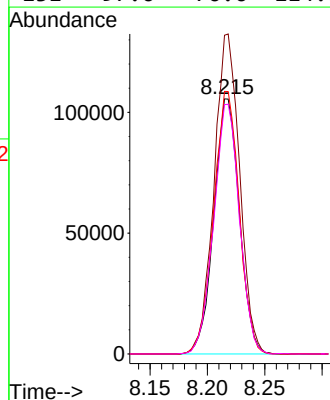
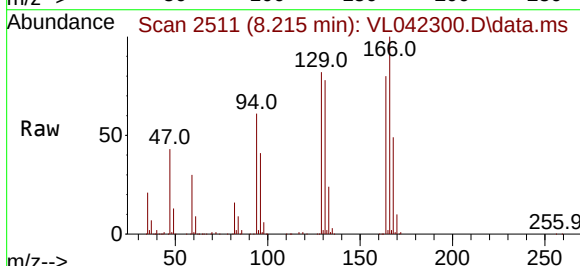
Manual Integrations
APPROVED

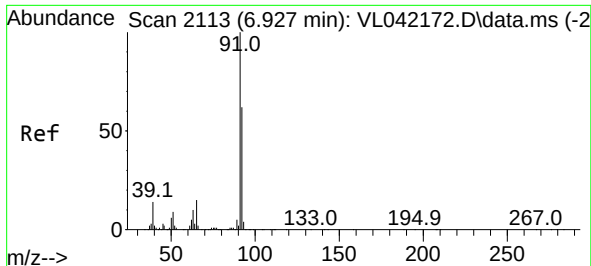
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#52
Tetrachloroethene
Concen: 9.243 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Tgt Ion:164 Resp: 162967
Ion Ratio Lower Upper
164 100
166 125.0 102.5 153.7
129 103.0 79.8 119.8
131 97.6 76.6 114.8





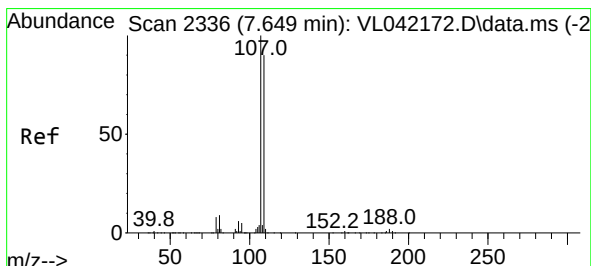
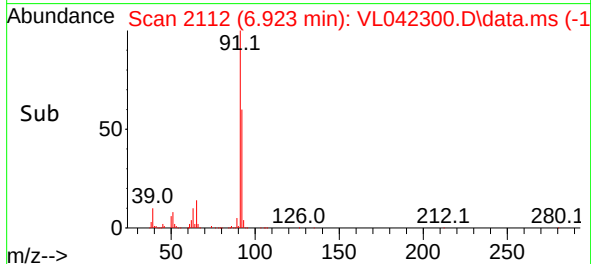
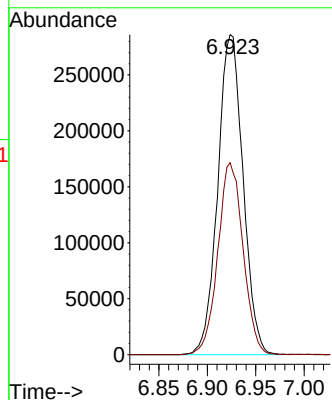
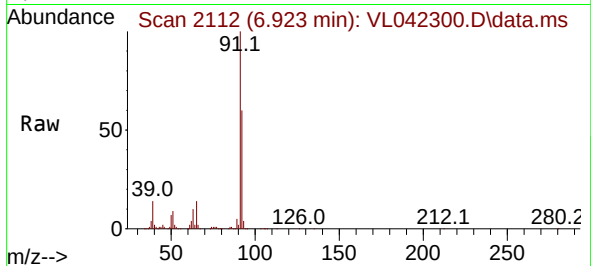
#53
Toluene
Concen: 9.865 ppbv
RT: 6.923 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 51986
Ion Ratio Lower Upper
91 100
92 59.9 48.4 72.6

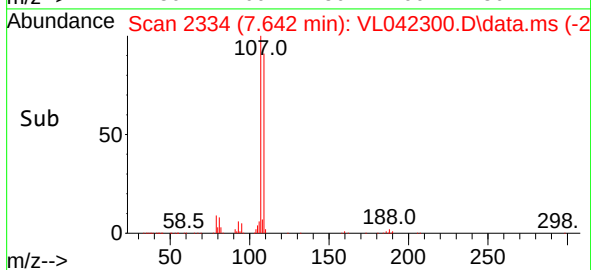
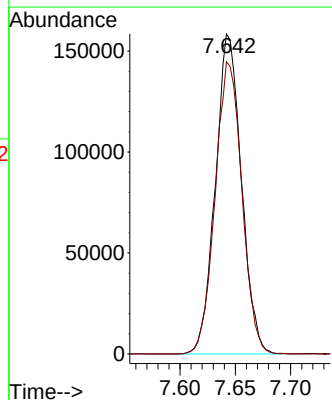
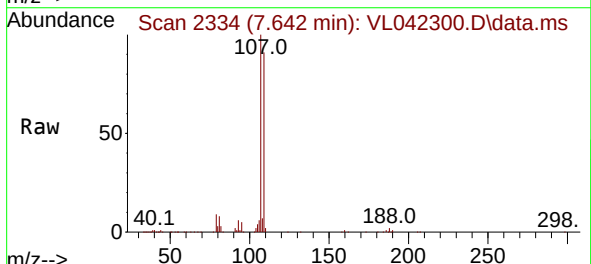
Manual Integrations
APPROVED

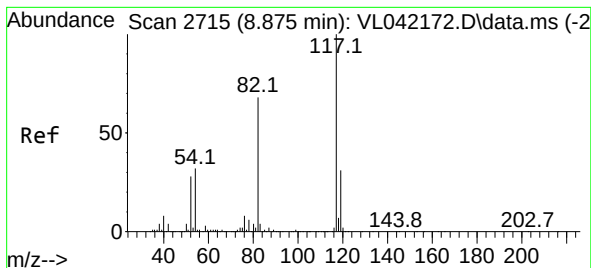
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#54
1,2-Dibromoethane
Concen: 10.842 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Tgt Ion:107 Resp: 258669
Ion Ratio Lower Upper
107 100
109 91.2 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2715

Delta R.T. -0.000 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

Instrument :

MSVOA_L

ClientSampleId :

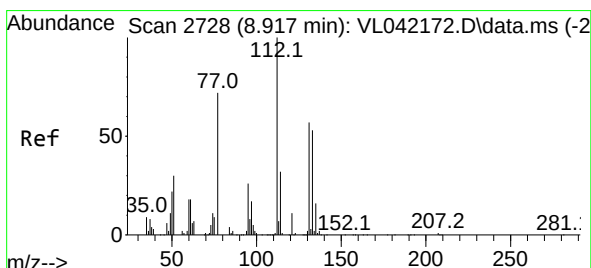
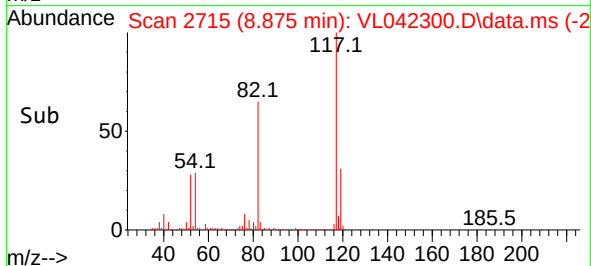
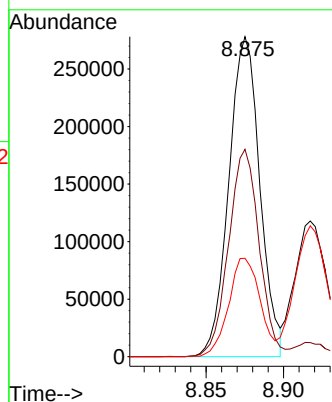
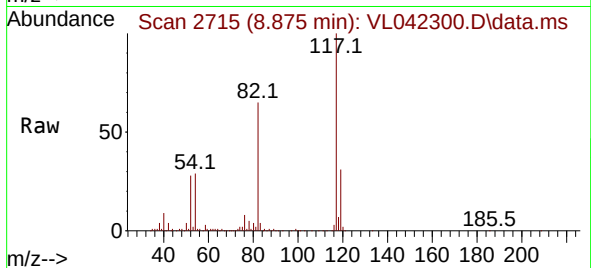
VSTDCCC010

Tgt Ion:	117	Resp:	388079
Ion Ratio	Lower	Upper	
117	100		
82	68.7	55.8	83.6
119	32.2	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 12.536 ppbv

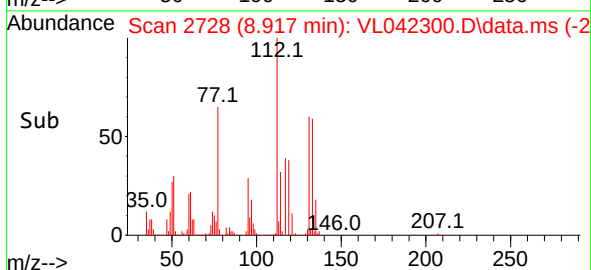
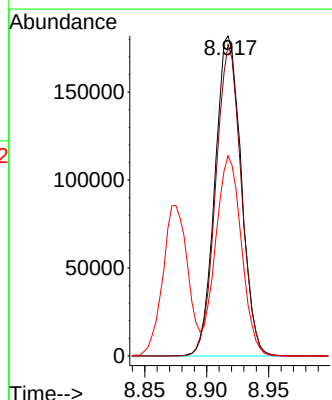
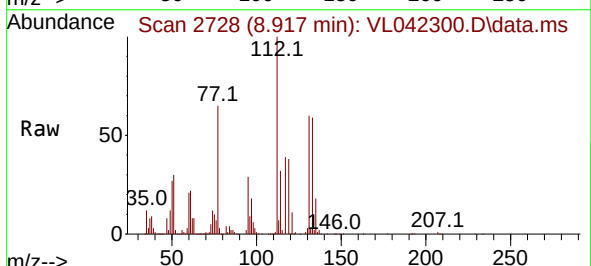
RT: 8.917 min Scan# 2728

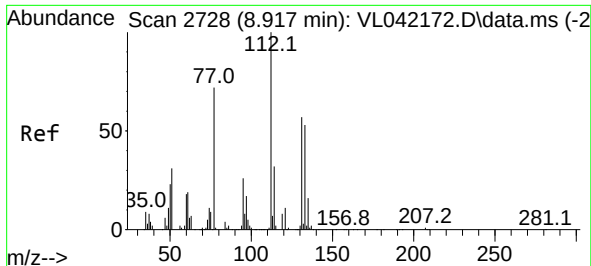
Delta R.T. -0.000 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

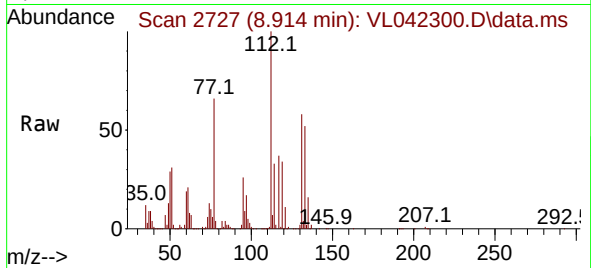
Tgt Ion:	131	Resp:	267799
Ion Ratio	Lower	Upper	
131	100		
133	94.5	76.6	114.8
119	61.8	49.8	74.6





#57
Chlorobenzene
Concen: 12.212 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

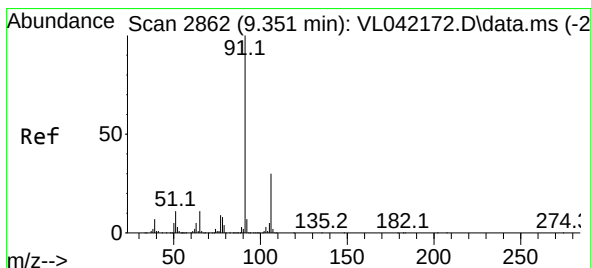
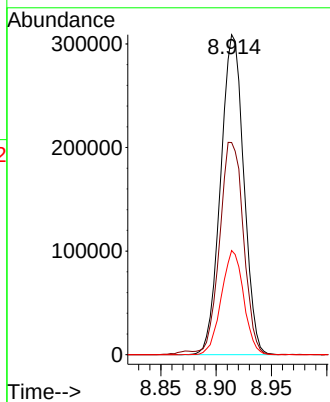
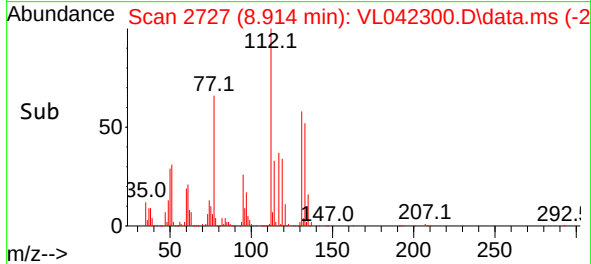
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



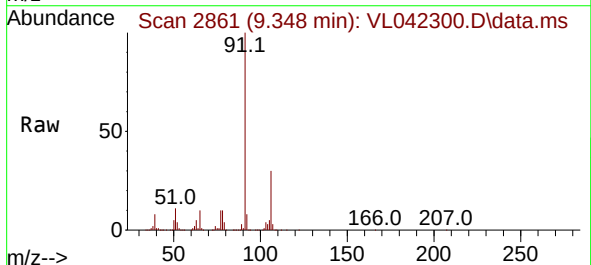
Tgt Ion: 112 Resp: 44952
Ion Ratio Lower Upper
112 100
77 66.2 58.2 87.2
114 32.6 29.1 35.5

Manual Integrations
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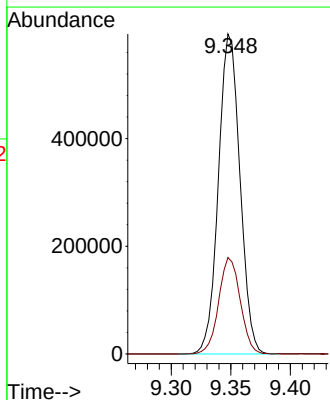
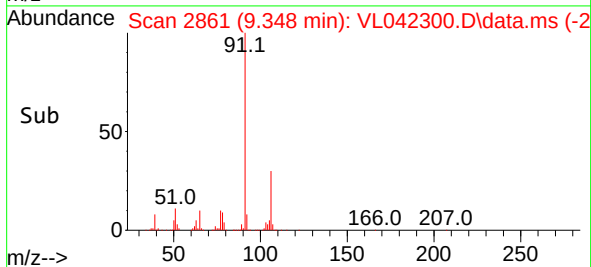
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

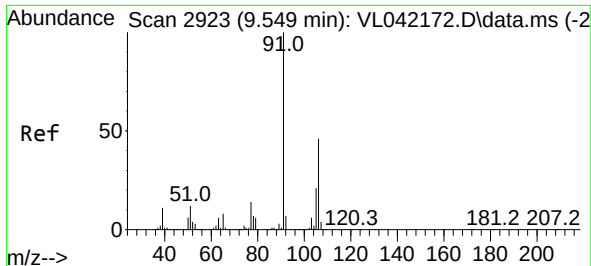


#58
Ethyl Benzene
Concen: 10.817 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



Tgt Ion: 91 Resp: 745642
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2





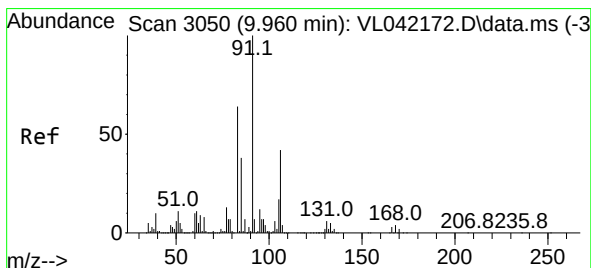
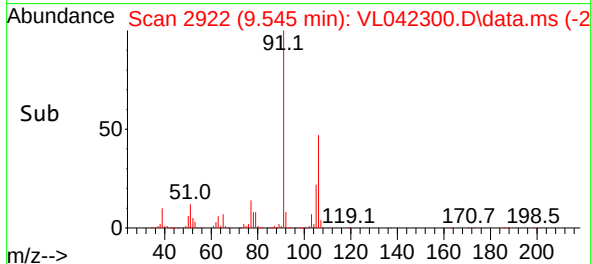
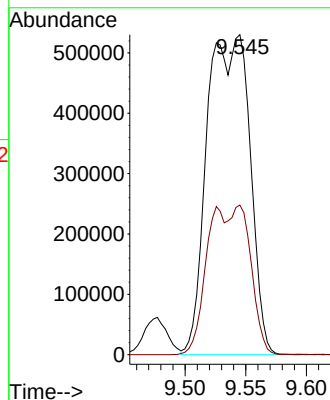
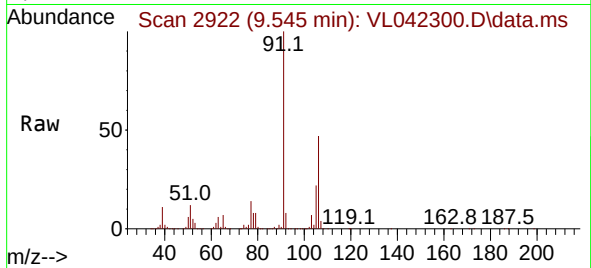
#59
m/p-Xylene
Concen: 23.631 ppbv m
RT: 9.545 min Scan# 2923
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 1300739
Ion Ratio Lower Upper
91 100
106 46.6 36.4 54.6

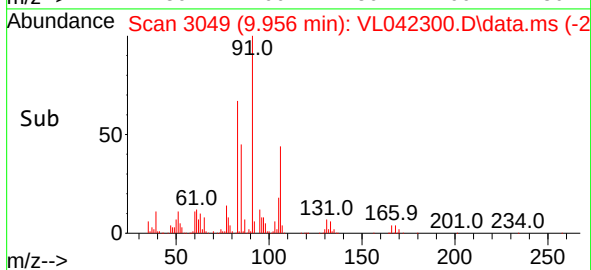
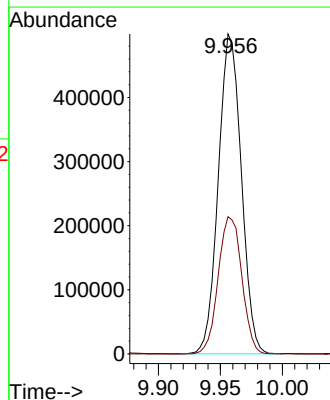
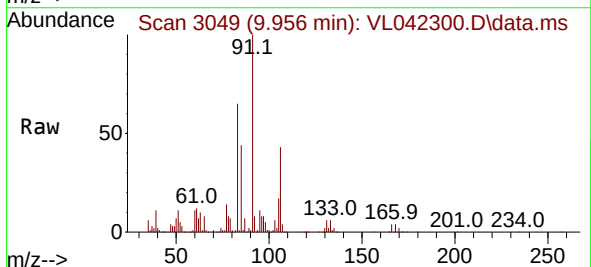
Manual Integrations
APPROVED

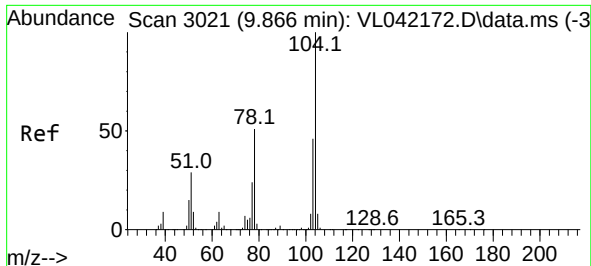
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#60
o-Xylene
Concen: 11.695 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Tgt Ion: 91 Resp: 645311
Ion Ratio Lower Upper
91 100
106 44.1 20.8 62.5





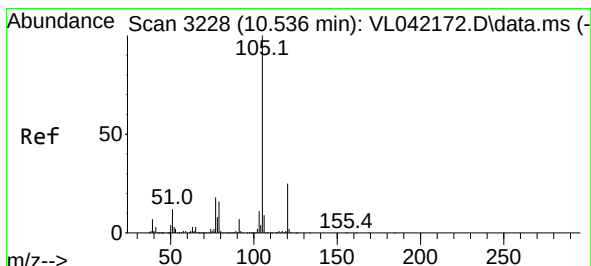
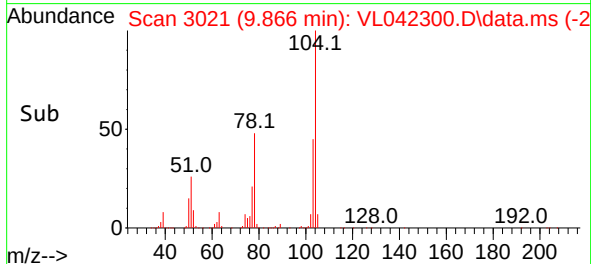
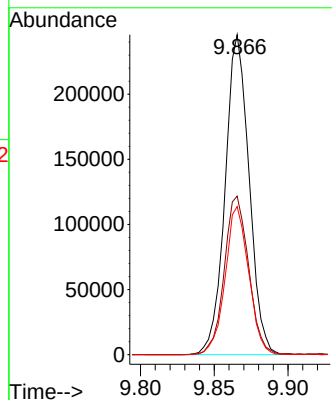
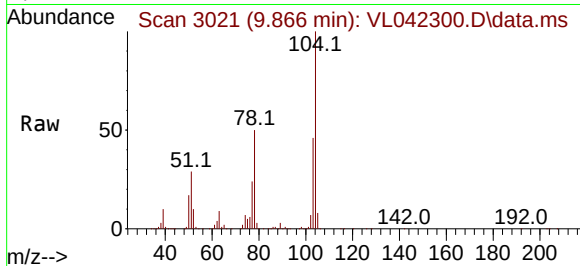
#61
Styrene
Concen: 10.169 ppbv
RT: 9.866 min Scan# 3021
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 277590
Ion Ratio Lower Upper
104 100
78 50.6 41.8 62.6
103 45.8 37.0 55.4

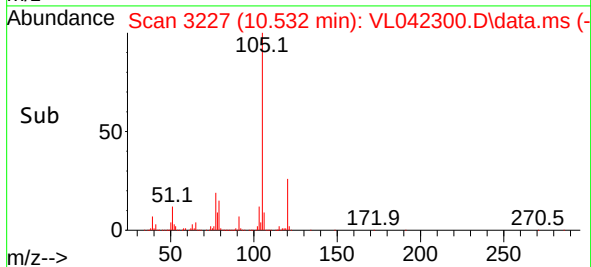
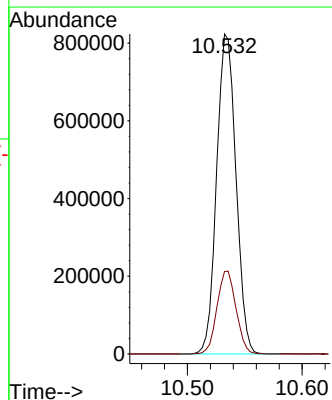
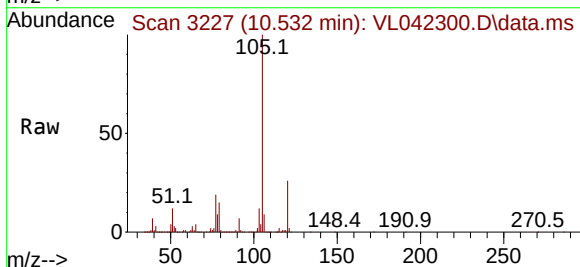
Manual Integrations
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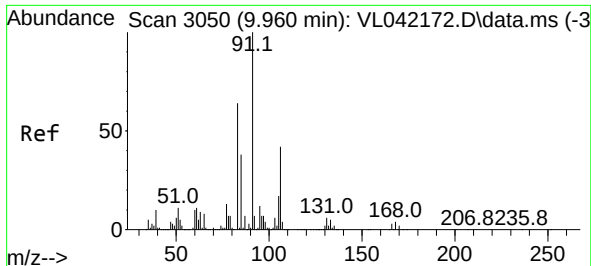
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#62
Isopropylbenzene
Concen: 11.681 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

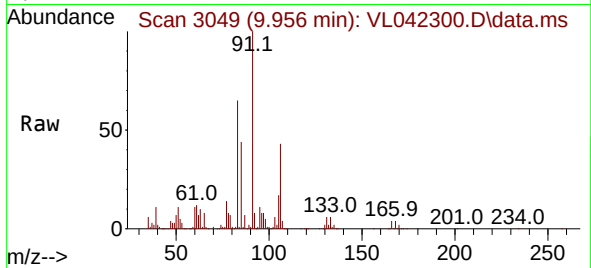
Tgt Ion:105 Resp: 963868
Ion Ratio Lower Upper
105 100
120 25.5 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 12.884 ppbv
RT: 9.956 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

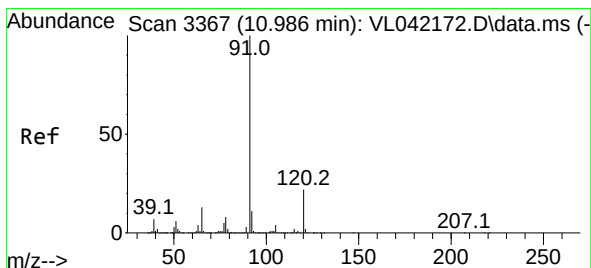
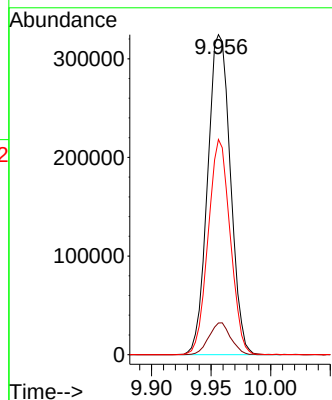
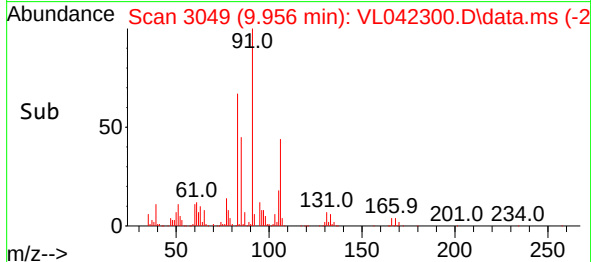
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



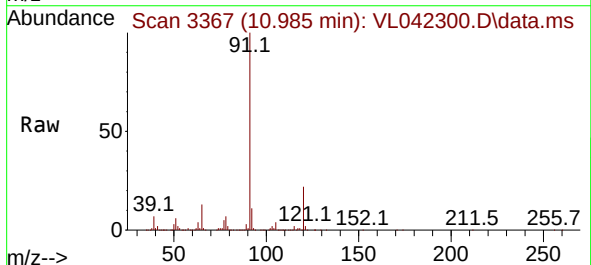
Tgt Ion: 83 Resp: 431960
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 65.2 32.5 97.5

Manual Integrations
APPROVED

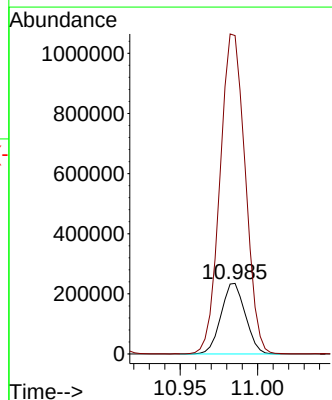
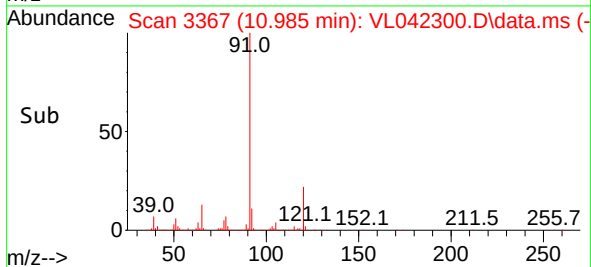
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

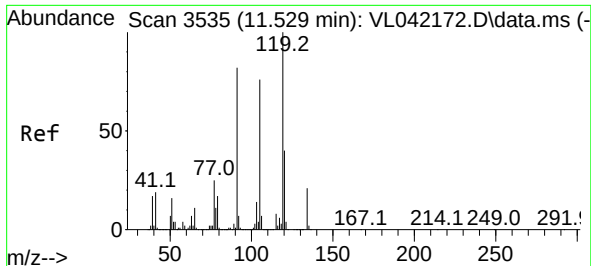


#64
n-propylbenzene
Concen: 12.045 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



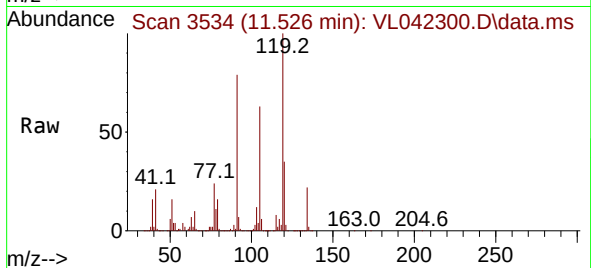
Tgt Ion:120 Resp: 255844
Ion Ratio Lower Upper
120 100
91 472.5 376.9 565.3





#65
tert-Butylbenzene
Concen: 11.609 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

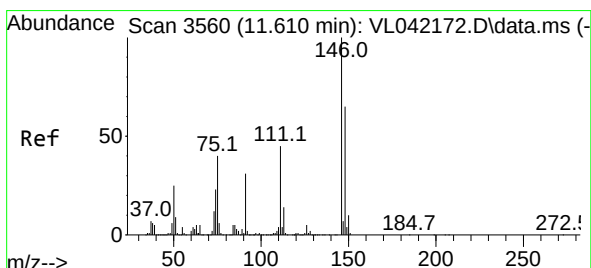
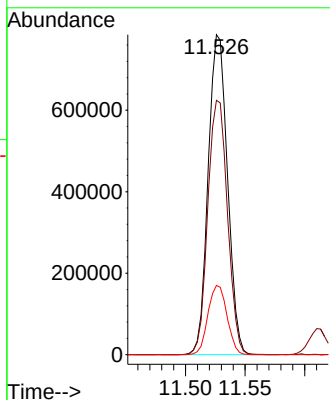
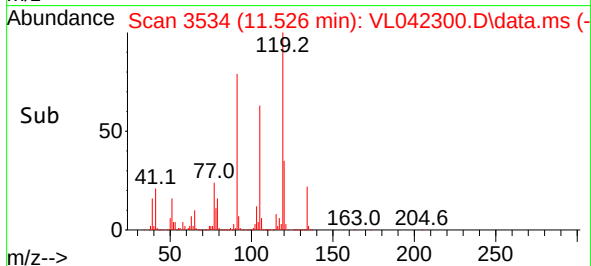
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



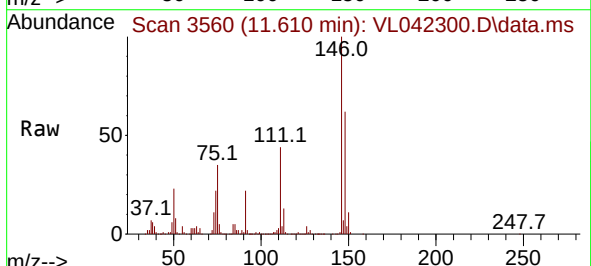
Tgt Ion: 119 Resp: 885900
Ion Ratio Lower Upper
119 100
91 81.2 66.0 99.0
134 21.3 16.7 25.1

Manual Integrations
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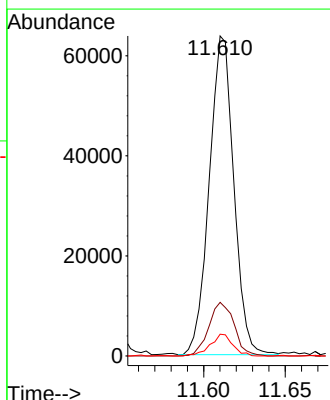
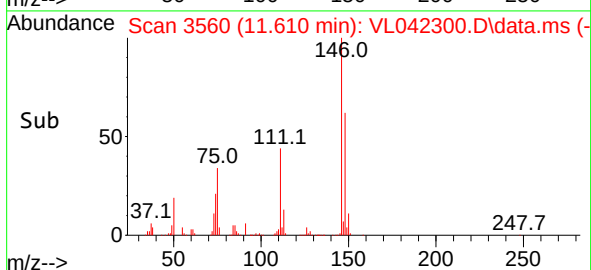
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

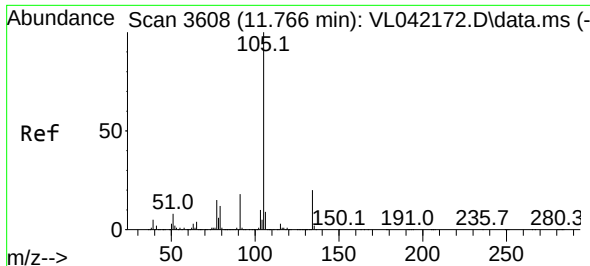


#66
Benzyl Chloride
Concen: 8.239 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



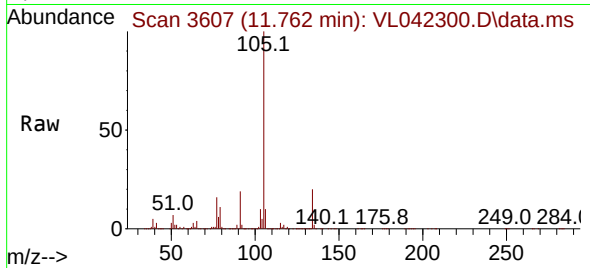
Tgt Ion: 91 Resp: 66712
Ion Ratio Lower Upper
91 100
126 17.3 13.8 20.6
128 6.4 4.5 6.7





#67
 sec-Butylbenzene
 Concen: 11.876 ppbv
 RT: 11.762 min Scan# 3608
 Delta R.T. -0.003 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

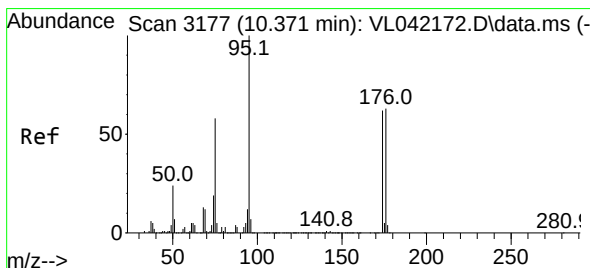
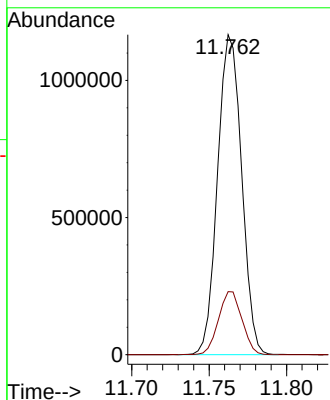
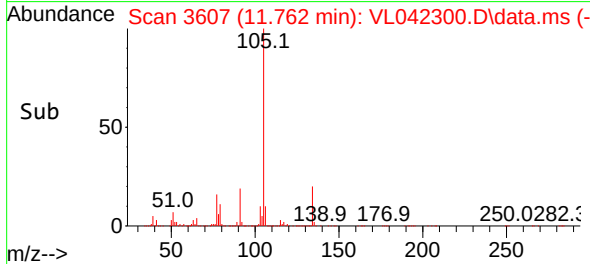
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:105 Resp: 1259760
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.5 23.3

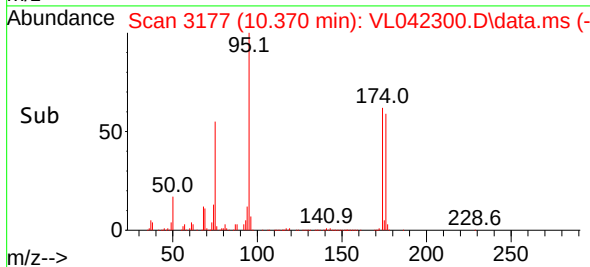
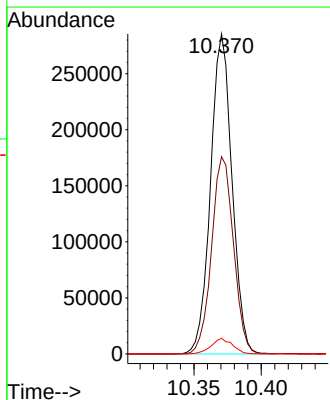
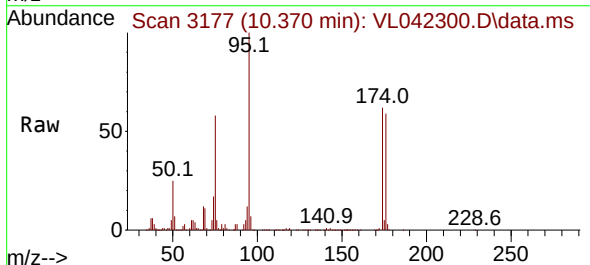
Manual Integrations
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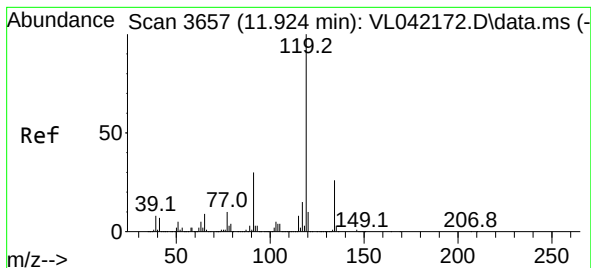
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.911 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

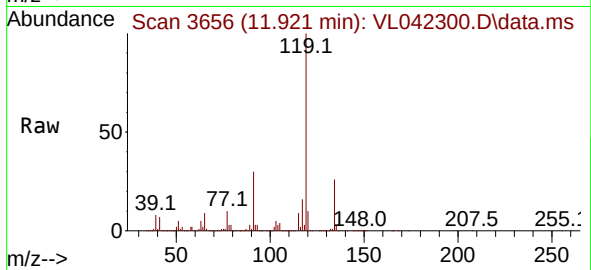
Tgt Ion: 95 Resp: 315861
 Ion Ratio Lower Upper
 95 100
 174 63.3 50.6 76.0
 175 4.9 3.8 5.6





#69
p-Isopropyltoluene
Concen: 11.839 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

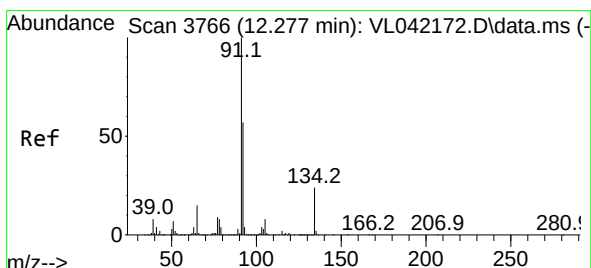
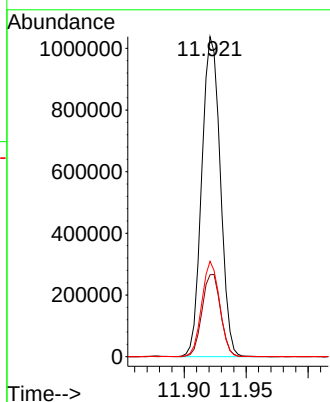
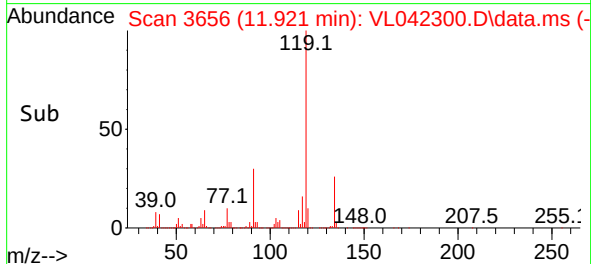
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



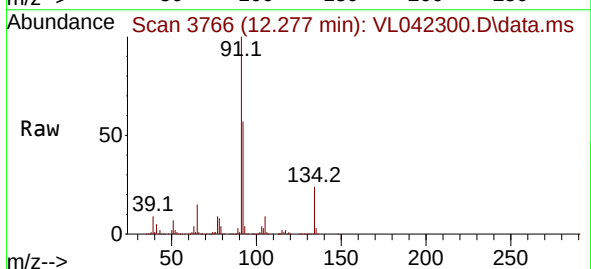
Tgt Ion:119 Resp: 1081410
Ion Ratio Lower Upper
119 100
134 25.8 20.4 30.6
91 28.6 23.7 35.5

Manual Integrations
APPROVED

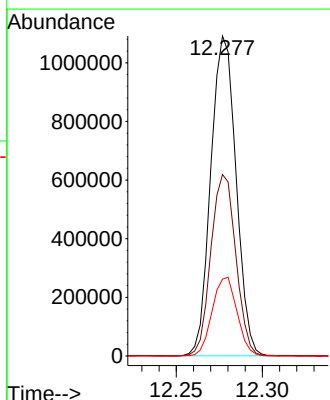
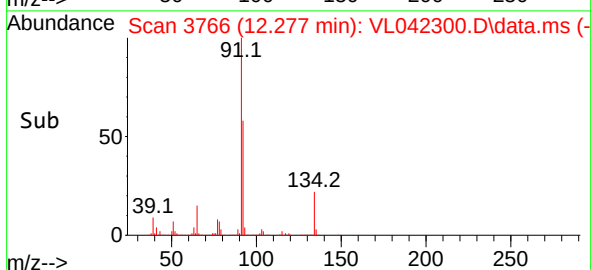
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

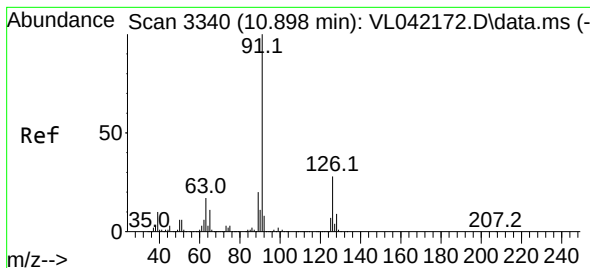


#70
n-Butylbenzene
Concen: 11.930 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



Tgt Ion: 91 Resp: 1114385
Ion Ratio Lower Upper
91 100
92 56.1 44.9 67.3
134 24.2 19.2 28.8





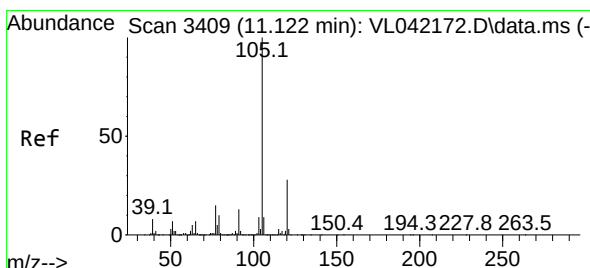
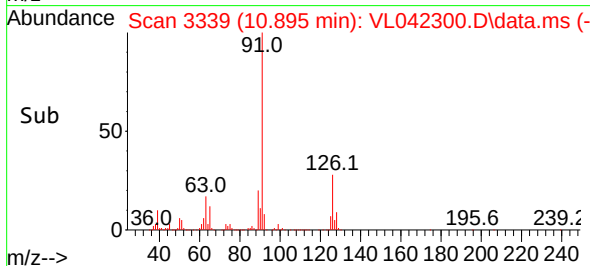
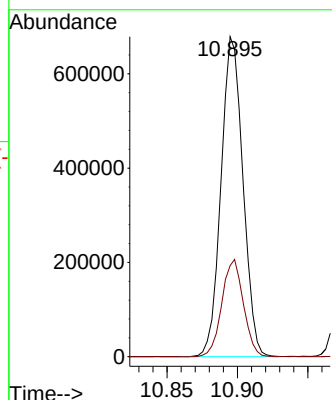
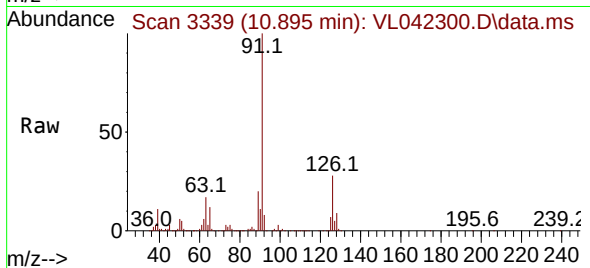
#71
2-Chlorotoluene
Concen: 11.488 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 735700
Ion Ratio Lower Upper
91 100
126 29.9 11.6 46.4

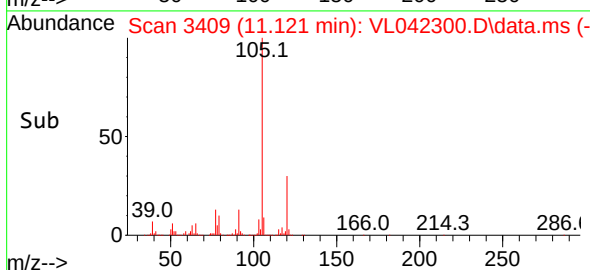
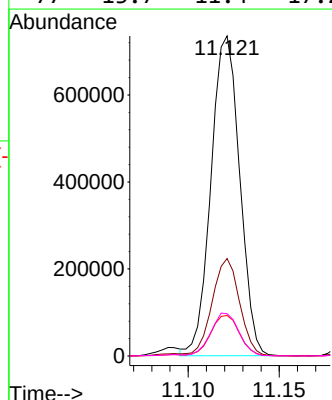
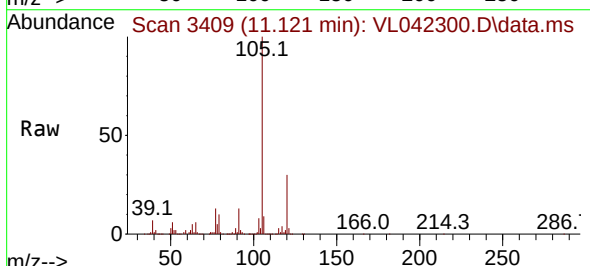
Manual Integrations
APPROVED

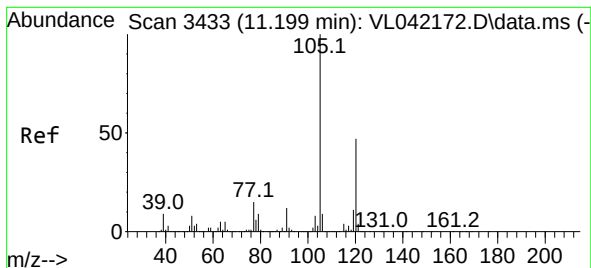
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#72
4-Ethyltoluene
Concen: 11.756 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Tgt Ion:105 Resp: 807663
Ion Ratio Lower Upper
105 100
120 29.8 23.4 35.0
91 13.1 10.3 15.5
77 13.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 11.618 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 69715

Ion Ratio Lower Upper

105 100

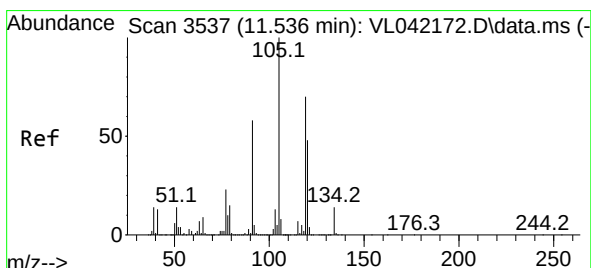
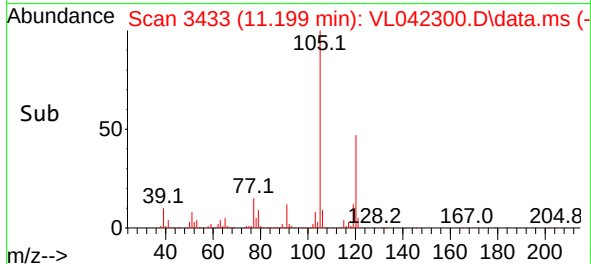
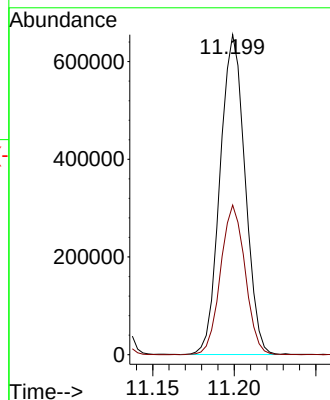
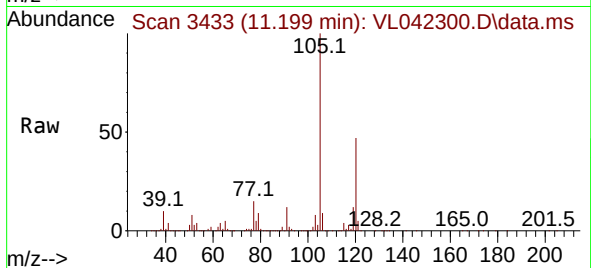
120 46.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.489 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

Tgt Ion:105 Resp: 794178

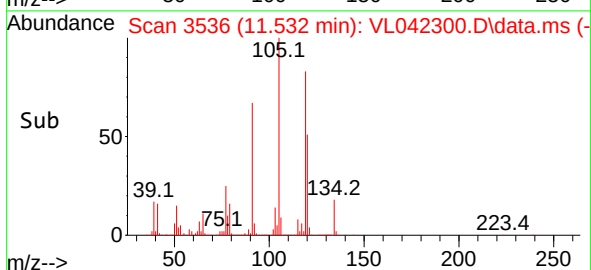
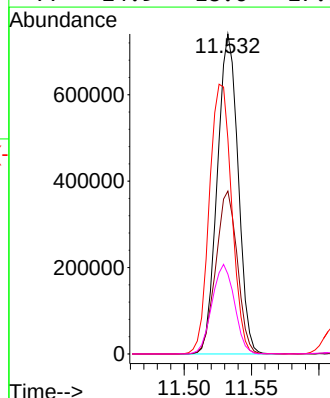
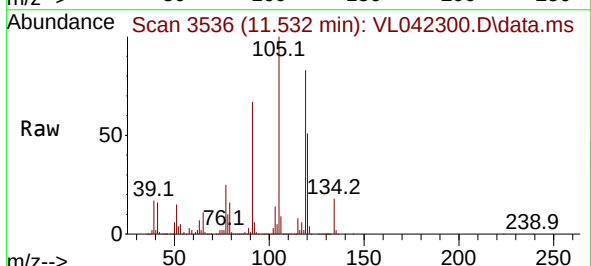
Ion Ratio Lower Upper

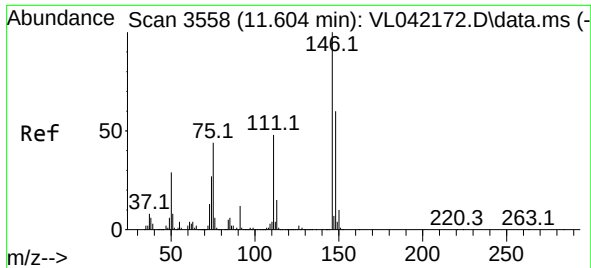
105 100

120 50.9 38.6 58.0

91 67.2 46.2 69.2

77 24.9 18.6 27.8





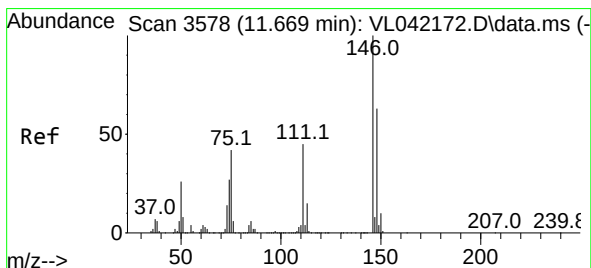
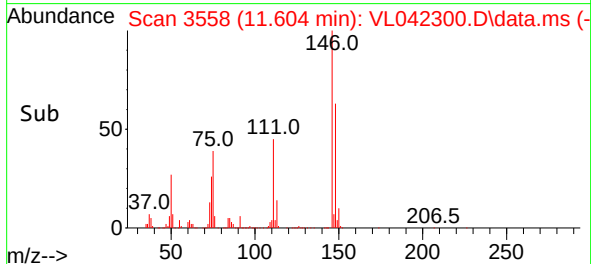
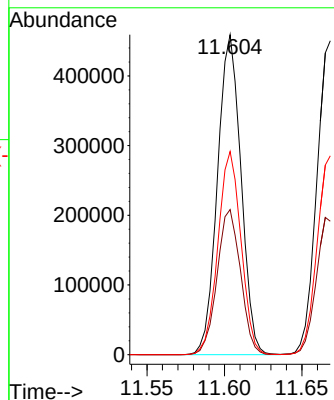
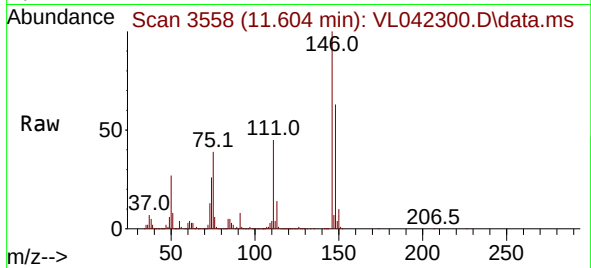
#75
1,3-Dichlorobenzene
Concen: 12.764 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 483914
Ion Ratio Lower Upper
146 100
111 45.3 23.8 71.2
148 62.4 31.9 95.9

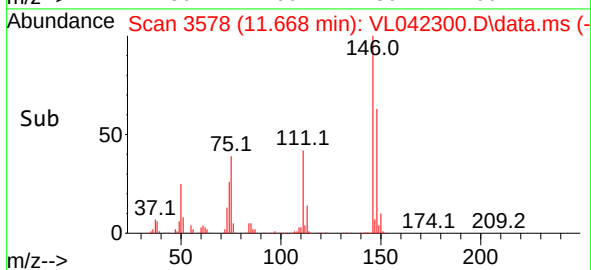
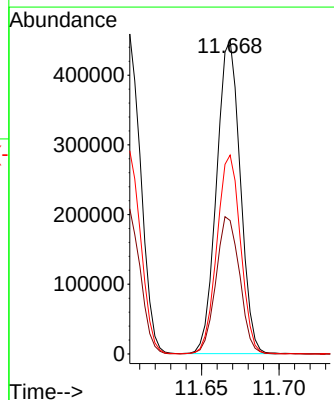
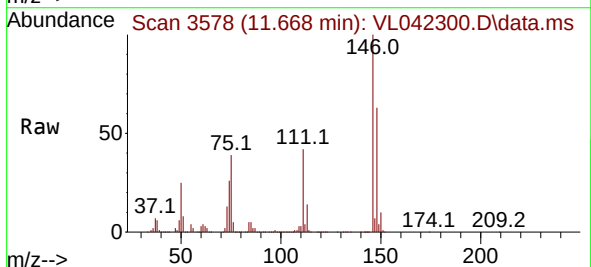
Manual Integrations
APPROVED

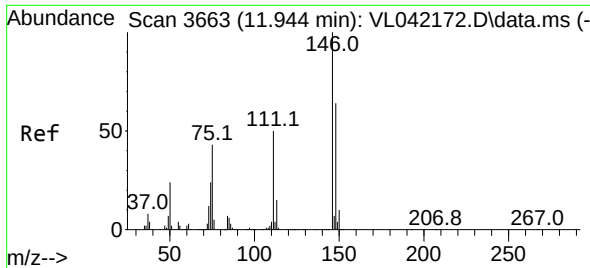
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#76
1,4-Dichlorobenzene
Concen: 12.663 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

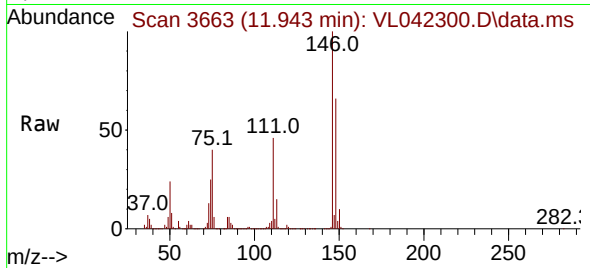
Tgt Ion:146 Resp: 477802
Ion Ratio Lower Upper
146 100
111 43.9 23.0 69.0
148 63.6 31.9 95.7





#77
1,2-Dichlorobenzene
Concen: 12.985 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27

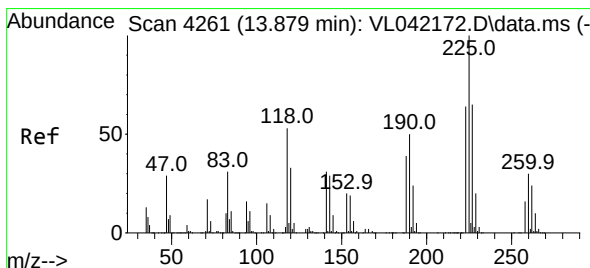
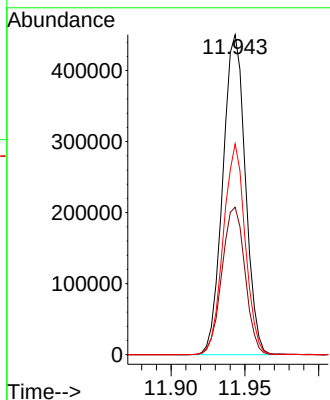
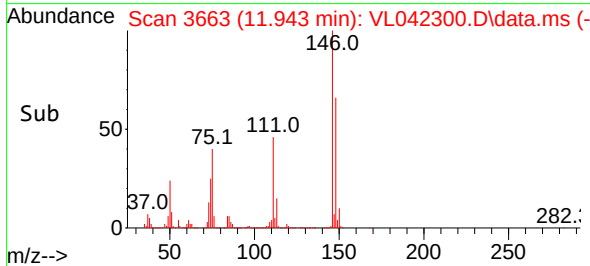
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



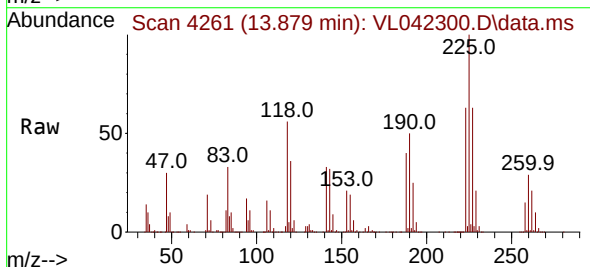
Tgt Ion:146 Resp: 47932
Ion Ratio Lower Upper
146 100
111 47.3 24.8 74.3
148 64.1 31.6 94.8

Manual Integrations
APPROVED

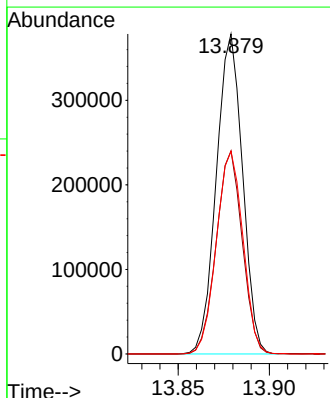
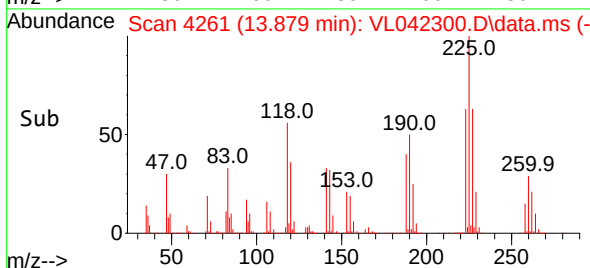
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

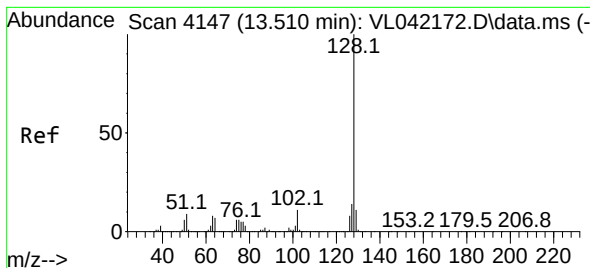


#78
Hexachloro-1,3-Butadiene
Concen: 10.064 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042300.D
Acq: 10 Apr 2025 09:27



Tgt Ion:225 Resp: 378178
Ion Ratio Lower Upper
225 100
223 63.0 50.6 76.0
227 64.1 51.2 76.8





#79

Naphthalene

Concen: 12.031 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:128 Resp: 909659

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

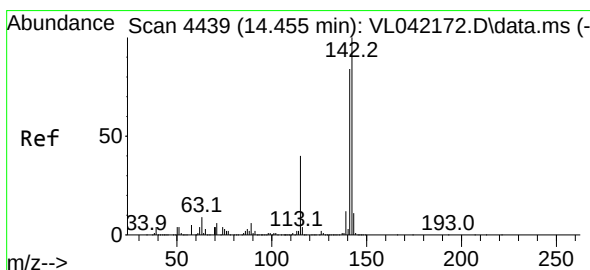
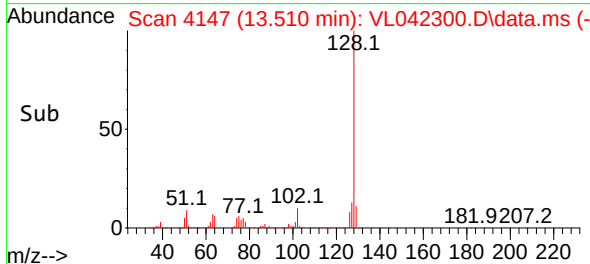
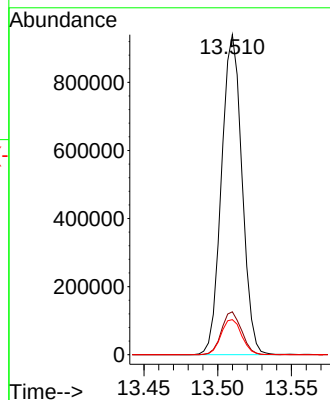
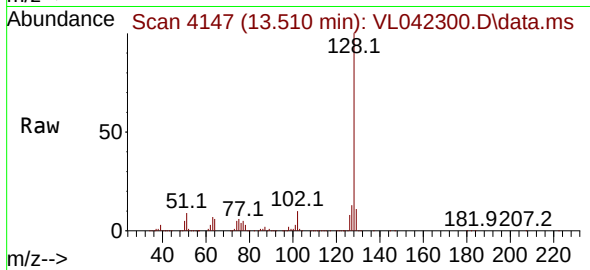
129 11.0 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#80

Naphthalene,2-methyl-

Concen: 11.365 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.000 min

Lab File: VL042300.D

Acq: 10 Apr 2025 09:27

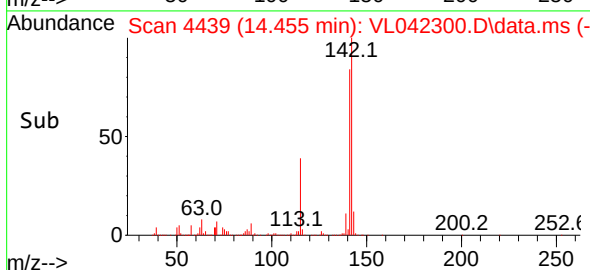
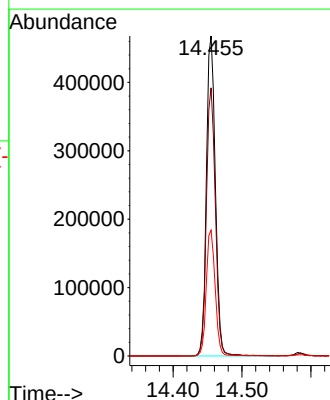
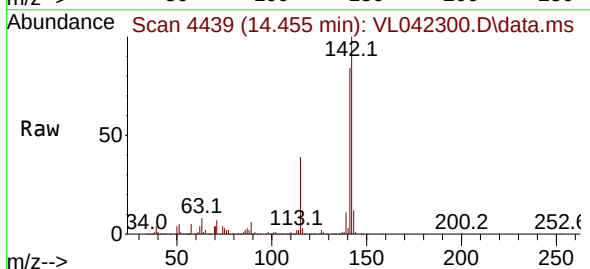
Tgt Ion:142 Resp: 421431

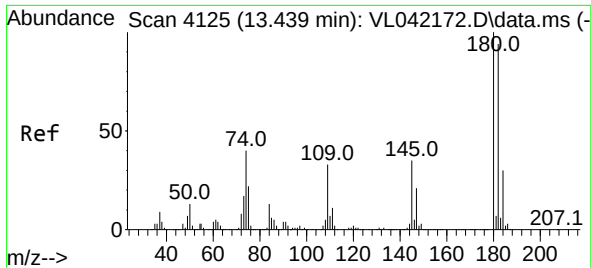
Ion Ratio Lower Upper

142 100

141 84.1 66.3 99.5

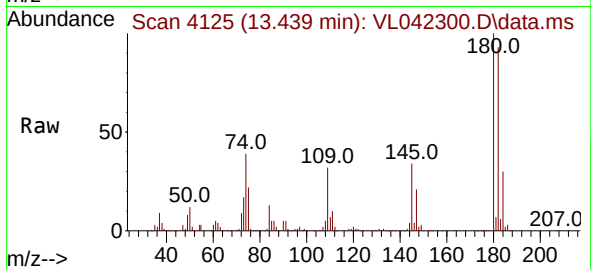
115 39.4 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.543 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042300.D
 Acq: 10 Apr 2025 09:27

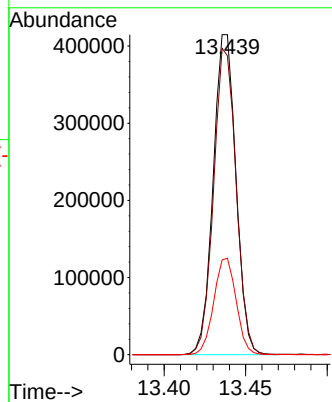
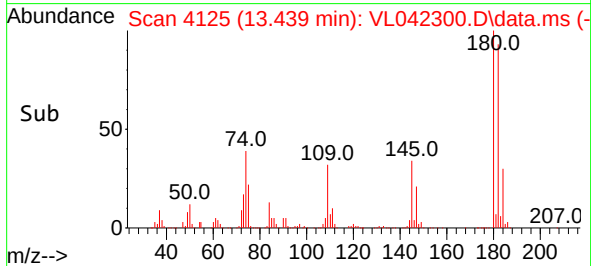
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 402570
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.1 112.7
 184 29.7 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042300.D
 Acq On : 10 Apr 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 11 01:54:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	1.476	1.441	2.4	98	0.00
3	Chlorodifluoromethane	1.508	1.590	-5.4	104	0.00
4	Chloromethane	0.603	0.599	0.7	100	0.00
5 T	Vinyl Chloride	0.639	0.538	15.8	93	0.00
6 T	Bromomethane	0.273	0.259	5.1	96	0.00
7	Chloroethane	0.242	0.225	7.0	95	0.00
8 T	Dichlorotetrafluoroethane	1.257	1.225	2.5	96	0.00
9 T	Propene	0.691	0.613	11.3	89	0.00
10 T	Heptane	1.839	1.818	1.1	97	0.00
11 T	Trichlorofluoromethane	1.437	1.390	3.3	99	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.181	1.137	3.7	97	0.00
13	Ethanol	0.065	0.028#	56.9#	93	0.00
14 T	Bromoethene	0.452	0.400	11.5	91	0.00
15 T	Acetone	1.399	1.254	10.4	107	0.00
16 T	1,3-Butadiene	0.683	0.613	10.2	102	0.00
17	tert-Butyl alcohol	1.742	1.409	19.1	83	0.00
18 T	1,1-Dichloroethene	0.552	0.476	13.8	90	0.00
19 T	Isopropyl Alcohol	0.789	0.680	13.8	92	0.00
20 T	Methylene Chloride	0.521	0.440	15.5	96	0.00
21 T	Allyl Chloride	0.986	0.899	8.8	95	0.00
22 T	trans-1,2-Dichloroethene	0.638	0.566	11.3	91	0.00
23 T	Vinyl Acetate	0.605	0.488	19.3	94	0.00
24 T	1,1-Dichloroethane	1.183	1.164	1.6	99	0.00
25 T	Ethyl Acetate	3.630	3.641	-0.3	100	0.00
26 T	Hexane	1.402	1.362	2.9	97	0.00
27 T	Carbon Disulfide	1.503	1.385	7.9	92	0.00
28 T	Methyl tert-Butyl Ether	0.873	0.694	20.5	80	0.00
29 T	Chloroform	2.052	2.156	-5.1	106	0.00
30 T	Cyclohexane	1.217	1.095	10.0	90	0.00
31 T	cis-1,2-Dichloroethene	1.423	1.294	9.1	90	0.00
32 T	1,1,1-Trichloroethane	2.349	2.102	10.5	97	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
34 T	2-Butanone	0.725	0.800	-10.3	99	0.00
35 T	Carbon Tetrachloride	0.781	0.876	-12.2	103	0.00
36 T	Benzene	0.991	1.066	-7.6	94	0.00
37 T	1,2-Dichloroethane	0.568	0.640	-12.7	98	0.00
38 T	Trichloroethene	0.414	0.436	-5.3	96	0.00
39 T	1,2-Dichloropropane	0.361	0.395	-9.4	96	0.00
40 T	1,4-Dioxane	0.192	0.183	4.7	89	0.00
41 T	Tetrahydrofuran	0.418	0.454	-8.6	94	0.00
42 T	Bromodichloromethane	0.782	0.900	-15.1	96	0.00
43	Methyl Methacrylate	0.420	0.389	7.4	79	0.00
44 T	2,2,4-Trimethylpentane	1.675	1.905	-13.7	97	0.00
45 T	t-1,3-Dichloropropene	0.450	0.368	18.2	69	0.00
46 T	cis-1,3-Dichloropropene	0.552	0.495	10.3	74	0.00
47 T	1,1,2-Trichloroethane	0.382	0.435	-13.9	99	0.00
48 T	Dibromochloromethane	0.647	0.710	-9.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042300.D
 Acq On : 10 Apr 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 11 01:54:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.581	0.637	-9.6	90	0.00
50 T	4-Methyl-2-Pentanone	1.149	1.132	1.5	91	0.00
51 T	2-Hexanone	0.944	0.892	5.5	87	0.00
52 T	Tetrachloroethene	0.393	0.363	7.6	87	0.00
53 T	Toluene	1.175	1.159	1.4	85	0.00
54 T	1,2-Dibromoethane	0.532	0.577	-8.5	93	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
56	1,1,1,2-Tetrachloroethane	0.550	0.690	-25.5	101	0.00
57 T	Chlorobenzene	0.949	1.158	-22.0	99	0.00
58 T	Ethyl Benzene	1.776	1.921	-8.2	86	0.00
59 T	m/p-Xylene	1.418	1.676	-18.2	95	0.00
60 T	o-Xylene	1.422	1.663	-16.9	94	0.00
61 T	Styrene	0.703	0.715	-1.7	78	0.00
62	Isopropylbenzene	2.126	2.484	-16.8	95	0.00
63 T	1,1,2,2-Tetrachloroethane	0.864	1.113	-28.8	104	0.00
64	n-propylbenzene	0.547	0.659	-20.5	99	0.00
65	tert-Butylbenzene	1.966	2.283	-16.1	98	0.00
66 T	Benzyl Chloride	0.209	0.172	17.7	63	0.00
67	sec-Butylbenzene	2.733	3.246	-18.8	101	0.00
68 S	1-Bromo-4-Fluorobenzene	0.821	0.814	0.9	75	0.00
69	p-Isopropyltoluene	2.354	2.787	-18.4	100	0.00
70	n-Butylbenzene	2.407	2.872	-19.3	100	0.00
71	2-Chlorotoluene	1.650	1.896	-14.9	92	0.00
72 T	4-Ethyltoluene	1.770	2.081	-17.6	95	0.00
73 T	1,3,5-Trimethylbenzene	1.546	1.796	-16.2	97	0.00
74 T	1,2,4-Trimethylbenzene	1.781	2.046	-14.9	101	0.00
75 T	1,3-Dichlorobenzene	0.977	1.247	-27.6	106	0.00
76 T	1,4-Dichlorobenzene	0.972	1.231	-26.6	104	0.00
77 T	1,2-Dichlorobenzene	0.951	1.235	-29.9	109	0.00
78 T	Hexachloro-1,3-Butadiene	0.968	0.974	-0.6	91	0.00
79 T	Naphthalene	1.948	2.344	-20.3	97	0.00
80 T	Naphthalene,2-methyl-	0.955	1.086	-13.7	82	0.00
81 T	1,2,4-Trichlorobenzene	0.899	1.037	-15.4	90	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042300.D
 Acq On : 10 Apr 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 11 01:54:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	10.000	9.760	2.4	98	0.00
3	Chlorodifluoromethane	10.000	10.540	-5.4	104	0.00
4	Chloromethane	10.000	9.924	0.8	100	0.00
5 T	Vinyl Chloride	10.000	8.419	15.8	93	0.00
6 T	Bromomethane	10.000	9.475	5.3	96	0.00
7	Chloroethane	10.000	9.310	6.9	95	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.740	2.6	96	0.00
9 T	Propene	10.000	8.863	11.4	89	0.00
10 T	Heptane	10.000	9.887	1.1	97	0.00
11 T	Trichlorofluoromethane	10.000	9.672	3.3	99	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.632	3.7	97	0.00
13	Ethanol	10.000	4.250	57.5#	93	0.00
14 T	Bromoethene	10.000	8.837	11.6	91	0.00
15 T	Acetone	10.000	8.968	10.3	107	0.00
16 T	1,3-Butadiene	10.000	8.981	10.2	102	0.00
17	tert-Butyl alcohol	10.000	8.089	19.1	83	0.00
18 T	1,1-Dichloroethene	10.000	8.622	13.8	90	0.00
19 T	Isopropyl Alcohol	10.000	8.623	13.8	92	0.00
20 T	Methylene Chloride	10.000	8.450	15.5	96	0.00
21 T	Allyl Chloride	10.000	9.117	8.8	95	0.00
22 T	trans-1,2-Dichloroethene	10.000	8.866	11.3	91	0.00
23 T	Vinyl Acetate	10.000	8.068	19.3	94	0.00
24 T	1,1-Dichloroethane	10.000	9.842	1.6	99	0.00
25 T	Ethyl Acetate	10.000	10.031	-0.3	100	0.00
26 T	Hexane	10.000	9.715	2.9	97	0.00
27 T	Carbon Disulfide	10.000	9.211	7.9	92	0.00
28 T	Methyl tert-Butyl Ether	10.000	7.955	20.4	80	0.00
29 T	Chloroform	10.000	10.507	-5.1	106	0.00
30 T	Cyclohexane	10.000	8.992	10.1	90	0.00
31 T	cis-1,2-Dichloroethene	10.000	9.093	9.1	90	0.00
32 T	1,1,1-Trichloroethane	10.000	8.947	10.5	97	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	82	0.00
34 T	2-Butanone	10.000	11.030	-10.3	99	0.00
35 T	Carbon Tetrachloride	10.000	11.208	-12.1	103	0.00
36 T	Benzene	10.000	10.756	-7.6	94	0.00
37 T	1,2-Dichloroethane	10.000	11.276	-12.8	98	0.00
38 T	Trichloroethene	10.000	10.550	-5.5	96	0.00
39 T	1,2-Dichloropropane	10.000	10.933	-9.3	96	0.00
40 T	1,4-Dioxane	10.000	9.570	4.3	89	0.00
41 T	Tetrahydrofuran	10.000	10.878	-8.8	94	0.00
42 T	Bromodichloromethane	10.000	11.496	-15.0	96	0.00
43	Methyl Methacrylate	10.000	9.265	7.3	79	0.00
44 T	2,2,4-Trimethylpentane	10.000	11.369	-13.7	97	0.00
45 T	t-1,3-Dichloropropene	10.000	8.172	18.3	69	0.00
46 T	cis-1,3-Dichloropropene	10.000	8.962	10.4	74	0.00
47 T	1,1,2-Trichloroethane	10.000	11.408	-14.1	99	0.00
48 T	Dibromochloromethane	10.000	10.970	-9.7	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042300.D
 Acq On : 10 Apr 2025 09:27
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 11 01:54:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)

49 T	Bromoform	10.000	10.964	-9.6	90	0.00
50 T	4-Methyl-2-Pentanone	10.000	9.852	1.5	91	0.00
51 T	2-Hexanone	10.000	9.449	5.5	87	0.00
52 T	Tetrachloroethene	10.000	9.243	7.6	87	0.00
53 T	Toluene	10.000	9.865	1.3	85	0.00
54 T	1,2-Dibromoethane	10.000	10.842	-8.4	93	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	75	0.00
56	1,1,1,2-Tetrachloroethane	10.000	12.536	-25.4	101	0.00
57 T	Chlorobenzene	10.000	12.212	-22.1	99	0.00
58 T	Ethyl Benzene	10.000	10.817	-8.2	86	0.00
59 T	m/p-Xylene	20.000	23.631	-18.2	95	0.00
60 T	o-Xylene	10.000	11.695	-17.0	94	0.00
61 T	Styrene	10.000	10.169	-1.7	78	0.00
62	Isopropylbenzene	10.000	11.681	-16.8	95	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	12.884	-28.8	104	0.00
64	n-propylbenzene	10.000	12.045	-20.4	99	0.00
65	tert-Butylbenzene	10.000	11.609	-16.1	98	0.00
66 T	Benzyl Chloride	10.000	8.239	17.6	63	0.00
67	sec-Butylbenzene	10.000	11.876	-18.8	101	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	9.911	0.9	75	0.00
69	p-Isopropyltoluene	10.000	11.839	-18.4	100	0.00
70	n-Butylbenzene	10.000	11.930	-19.3	100	0.00
71	2-Chlorotoluene	10.000	11.488	-14.9	92	0.00
72 T	4-Ethyltoluene	10.000	11.756	-17.6	95	0.00
73 T	1,3,5-Trimethylbenzene	10.000	11.618	-16.2	97	0.00
74 T	1,2,4-Trimethylbenzene	10.000	11.489	-14.9	101	0.00
75 T	1,3-Dichlorobenzene	10.000	12.764	-27.6	106	0.00
76 T	1,4-Dichlorobenzene	10.000	12.663	-26.6	104	0.00
77 T	1,2-Dichlorobenzene	10.000	12.985	-29.8	109	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	10.064	-0.6	91	0.00
79 T	Naphthalene	10.000	12.031	-20.3	97	0.00
80 T	Naphthalene,2-methyl-	10.000	11.365	-13.7	82	0.00
81 T	1,2,4-Trichlorobenzene	10.000	11.543	-15.4	90	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



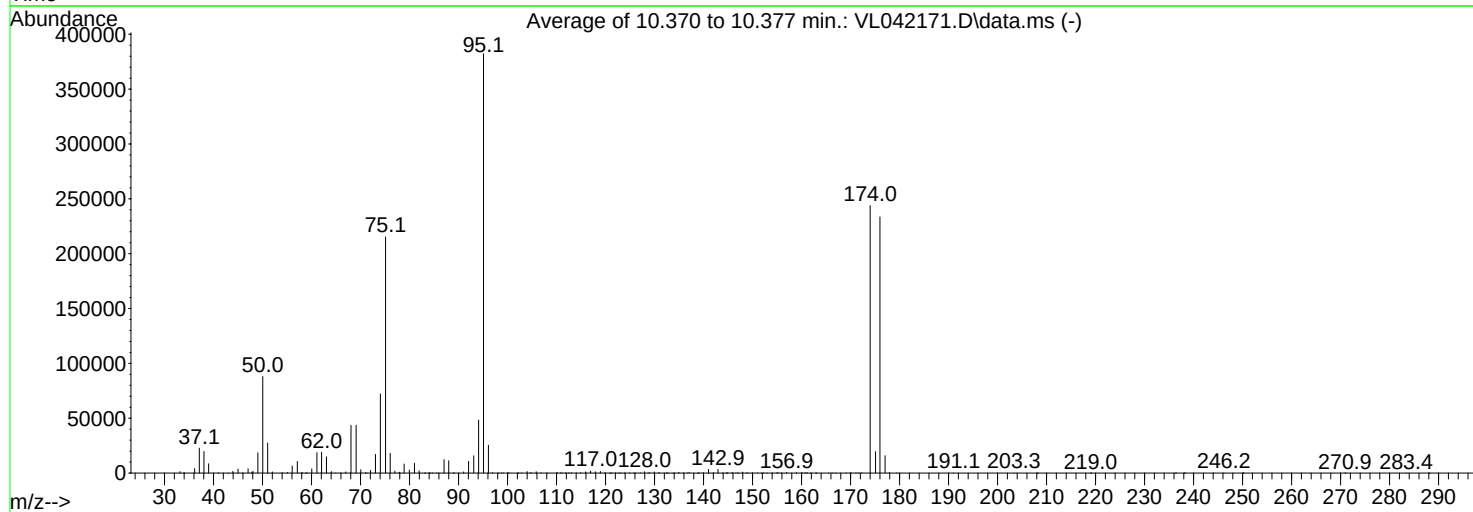
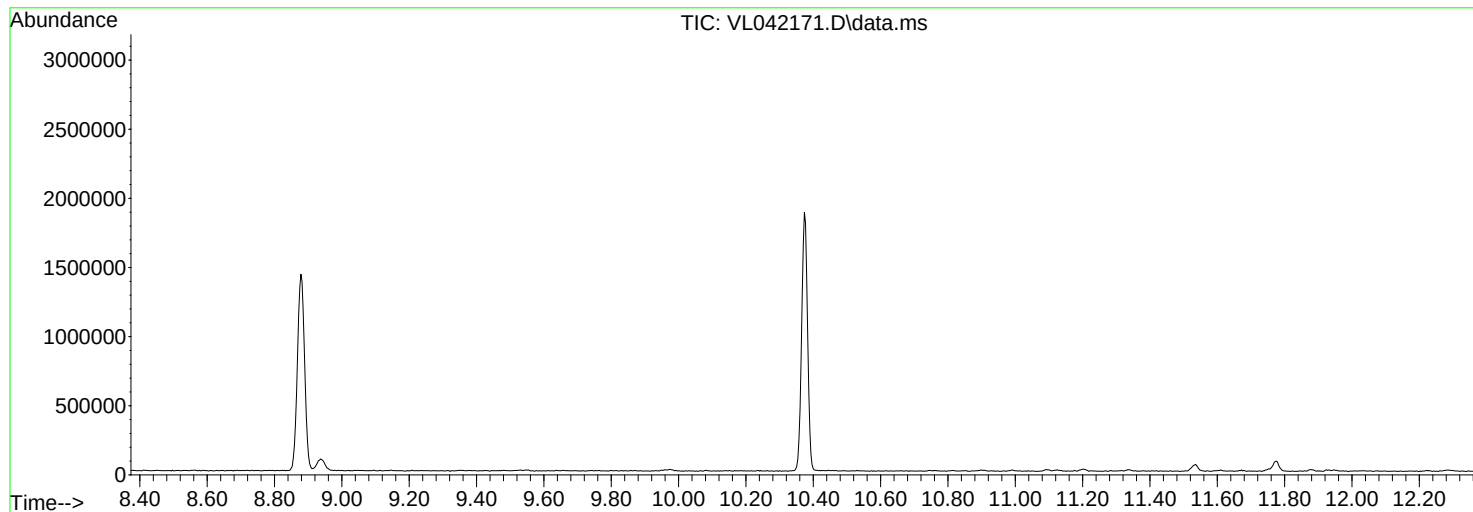
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042171.D
Acq On : 27 Mar 2025 07:44
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025



AutoFind: Scans 3177, 3178, 3179; Background Corrected with Scan 3150

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.0	87995	PASS
75	95	30	66	56.3	215296	PASS
95	95	100	100	100.0	382268	PASS
96	95	5	9	6.6	25383	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	63.8	243904	PASS
175	174	4	9	8.0	19539	PASS
176	174	93	101	95.7	233493	PASS
177	176	5	9	6.8	15877	PASS

Average of 10.370 to 10.377 min.: VL042171.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.15	1400	47.05	4001	57.95	183	67.00	1161
33.90	31	47.80	824	58.15	219	68.05	43530
36.15	4138	48.05	1739	58.80	27	69.10	43612
37.10	22759	49.05	18477	59.20	62	70.05	3072
38.05	19773	50.05	87995	60.05	3842	71.05	391
39.00	8558	51.05	27372	61.10	18723	71.30	148
41.00	270	52.00	1090	62.05	19083	72.05	2510
43.05	65	54.00	265	63.05	14806	73.05	17047
43.95	1610	55.05	633	64.05	1355	74.05	72175
45.00	3695	56.05	6441	64.95	108	75.10	215296
46.00	111	57.10	10669	65.95	87	76.05	17968

Average of 10.370 to 10.377 min.: VL042171.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.00	1756	84.70	60	96.10	25383	105.85	1266
77.90	365	85.50	69	96.95	454	106.85	241
78.00	749	85.90	91	98.20	118	108.10	78
78.90	8287	87.05	12260	98.80	119	110.00	6
79.95	2770	88.00	11240	99.15	113	110.80	163
81.00	8994	88.95	27	100.10	27	111.10	228
81.95	2105	91.05	1113	102.10	25	111.80	169
83.05	87	92.05	10732	102.80	142	112.40	56
83.30	152	93.10	15706	104.00	1429	112.60	56
83.95	3	94.10	48315	104.70	208	113.05	295
84.20	78	95.10	382268	104.95	148	114.15	45

Average of 10.370 to 10.377 min.: VL042171.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
114.90	395	123.10	107	132.40	22	141.00	3317
115.95	1131	123.85	235	132.90	67	142.00	364
116.95	1918	124.95	222	133.80	40	142.95	3384
117.90	1124	125.80	79	134.10	121	143.95	131
118.95	1429	126.10	146	134.95	750	144.60	27
119.80	193	127.10	144	135.95	199	144.95	267
120.90	128	127.95	1262	136.70	145	145.90	507
121.10	24	128.70	250	137.05	545	146.60	55
122.00	119	129.00	312	138.80	28	146.95	155
122.50	33	129.95	1135	139.10	132	147.20	55
122.90	76	130.90	590	139.95	372	148.00	938

Average of 10.370 to 10.377 min.: VL042171.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
148.80	166	156.95	650	169.10	175	179.40	63
149.05	162	158.95	474	169.90	95	191.05	70
149.95	274	160.00	21	170.15	82	203.35	48
151.00	148	160.70	162	171.10	216	208.10	24
151.80	110	160.90	233	171.55	165	219.00	22
152.25	182	161.15	346	172.30	258	236.30	19
152.95	205	161.80	102	174.00	243904	238.10	24
154.00	201	162.90	25	175.10	19539	244.05	44
155.00	271	165.50	37	176.00	233493	246.20	61
155.15	639	166.35	72	177.05	15877	250.10	21
155.90	116	167.00	175	177.90	397	270.90	18

Average of 10.370 to 10.377 min.: VL042171.D\data.ms

BFB

Modified:subtracted

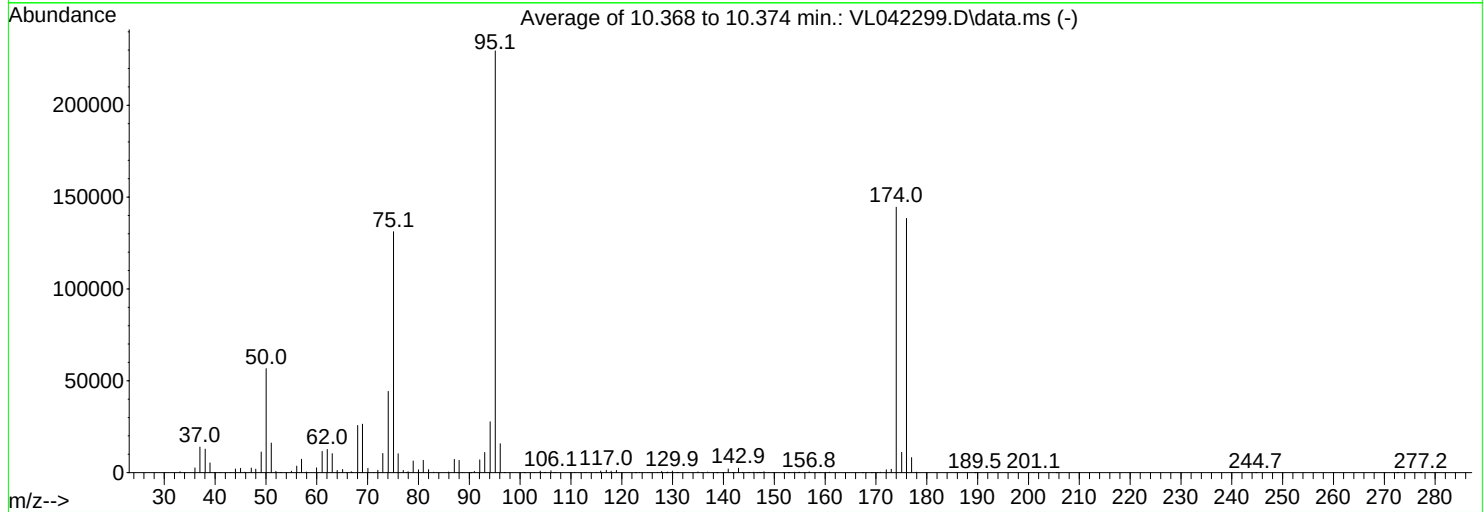
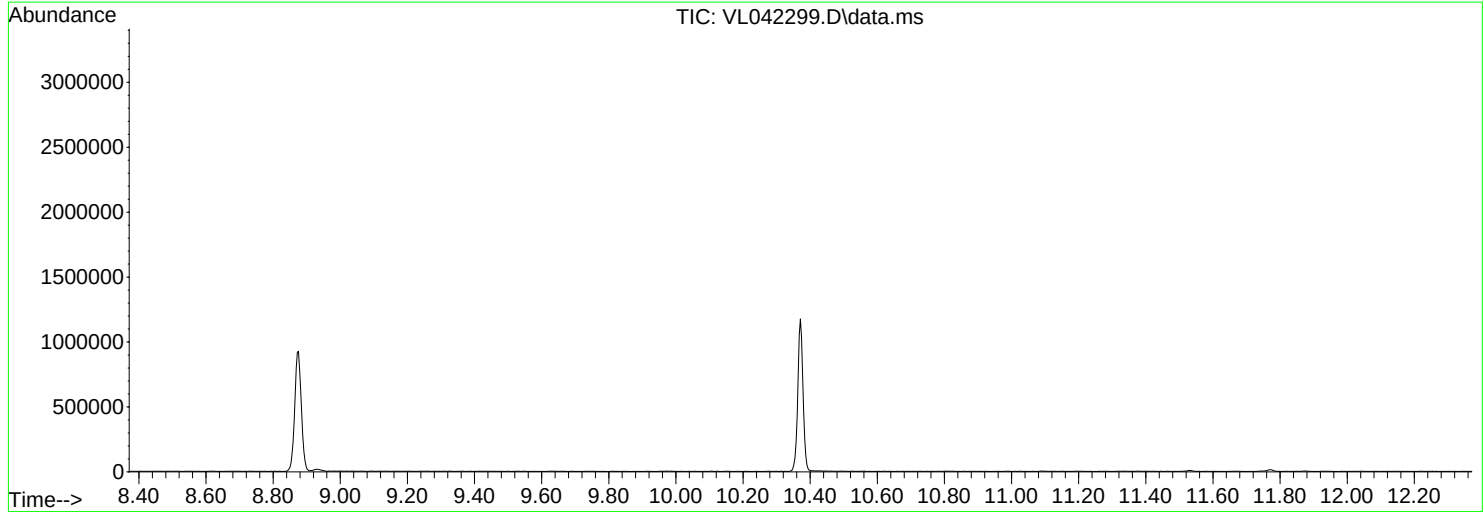
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
283.40	34						
288.00	20						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042299.D
Acq On : 10 Apr 2025 08:46
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Mar 28 02:00:52 2025



AutoFind: Scans 3176, 3177, 3178; Background Corrected with Scan 3162

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.7	56629	PASS
75	95	30	66	57.1	131205	PASS
95	95	100	100	100.0	229611	PASS
96	95	5	9	6.9	15747	PASS
173	174	0.00	2	1.3	1863	PASS
174	95	50	120	62.9	144533	PASS
175	174	4	9	7.7	11082	PASS
176	174	93	101	95.7	138363	PASS
177	176	5	9	5.9	8219	PASS

Average of 10.368 to 10.374 min.: VL042299.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
33.10	542	45.85	292	56.05	3600	67.05	81
33.95	84	47.10	2565	57.00	7283	68.05	2569
36.05	2659	48.00	1913	57.95	377	69.00	2641
37.00	13919	49.05	11234	59.95	2593	70.05	238
38.05	12833	50.05	56629	61.05	11581	71.20	86
39.00	5308	51.05	16154	62.05	12665	72.00	1342
39.90	197	51.95	677	63.05	10413	73.00	10462
41.10	84	52.80	92	64.00	1209	74.05	44235
43.10	125	53.05	195	65.10	1775	75.10	131205
44.00	2002	54.00	71	65.90	204	76.00	10260
45.00	2324	55.00	801	66.80	574	77.00	1187

Average of 10.368 to 10.374 min.: VL042299.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.70	195	90.30	41	103.95	891	115.00	207
77.95	531	91.00	716	104.80	99	115.85	856
78.95	6405	92.05	6988	104.95	197	116.95	1334
80.00	1559	93.05	10996	106.05	1018	117.90	753
80.95	6677	94.10	27683	106.70	72	118.95	1261
82.00	1644	95.10	229611	107.00	148	120.00	60
83.00	289	96.10	15747	109.90	102	122.70	33
85.90	397	96.90	97	110.75	195	122.90	75
87.05	7211	97.05	223	111.90	61	123.50	66
88.00	6689	100.85	45	112.60	112	124.05	100
88.70	67	102.80	92	113.00	136	125.15	73

Average of 10.368 to 10.374 min.: VL042299.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.70	82	138.70	27	146.60	28	156.00	78
127.00	141	138.90	68	147.10	155	156.85	423
127.85	672	139.90	28	147.30	47	158.00	133
128.80	10	140.95	2027	147.95	518	159.00	140
129.05	376	141.80	132	148.95	104	160.90	308
129.95	876	142.10	96	149.90	173	167.30	26
130.90	191	142.95	2483	151.85	69	168.20	50
131.10	85	143.75	216	152.80	21	169.10	44
135.00	400	144.85	199	154.00	256	169.60	91
135.75	64	145.10	199	154.80	155	170.30	48
136.90	316	145.90	248	154.95	300	170.85	224

Average of 10.368 to 10.374 min.: VL042299.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.05	1591	272.60	24				
173.00	1863	277.20	40				
174.00	144533						
175.05	11082						
176.00	138363						
177.00	8219						
177.95	289						
189.50	19						
201.05	49						
205.50	23						
244.70	29						

Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	4701 White Plains Rd, Bronx, NY	Date Received:	
Client Sample ID:	VL0410ABL01	SDG No.:	Q1772
Lab Sample ID:	VL0410ABL01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042301.D	1		04/10/25 10:11	VL041025

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.010	0.030	U	0.030	0.080	ug/m3
75-35-4	1,1-Dichloroethene	0.14	0.56	U	0.56	1.98	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.090	0.36	U	0.36	1.98	ug/m3
71-55-6	1,1,1-Trichloroethane	0.010	0.050	U	0.050	0.16	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	8.90			65 - 135	89%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	177000		2.781			
540-36-3	1,4-Difluorobenzene	440000		3.949			
3114-55-4	Chlorobenzene-d5	371000		8.872			

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\VL041025\
 Data File : VL042301.D
 Acq On : 10 Apr 2025 10:11
 Operator : SY/MD
 Sample : VL0410ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABL01

Quant Time: Apr 11 01:55:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	176739	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	440263	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	371291	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	272765	8.946	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.500%

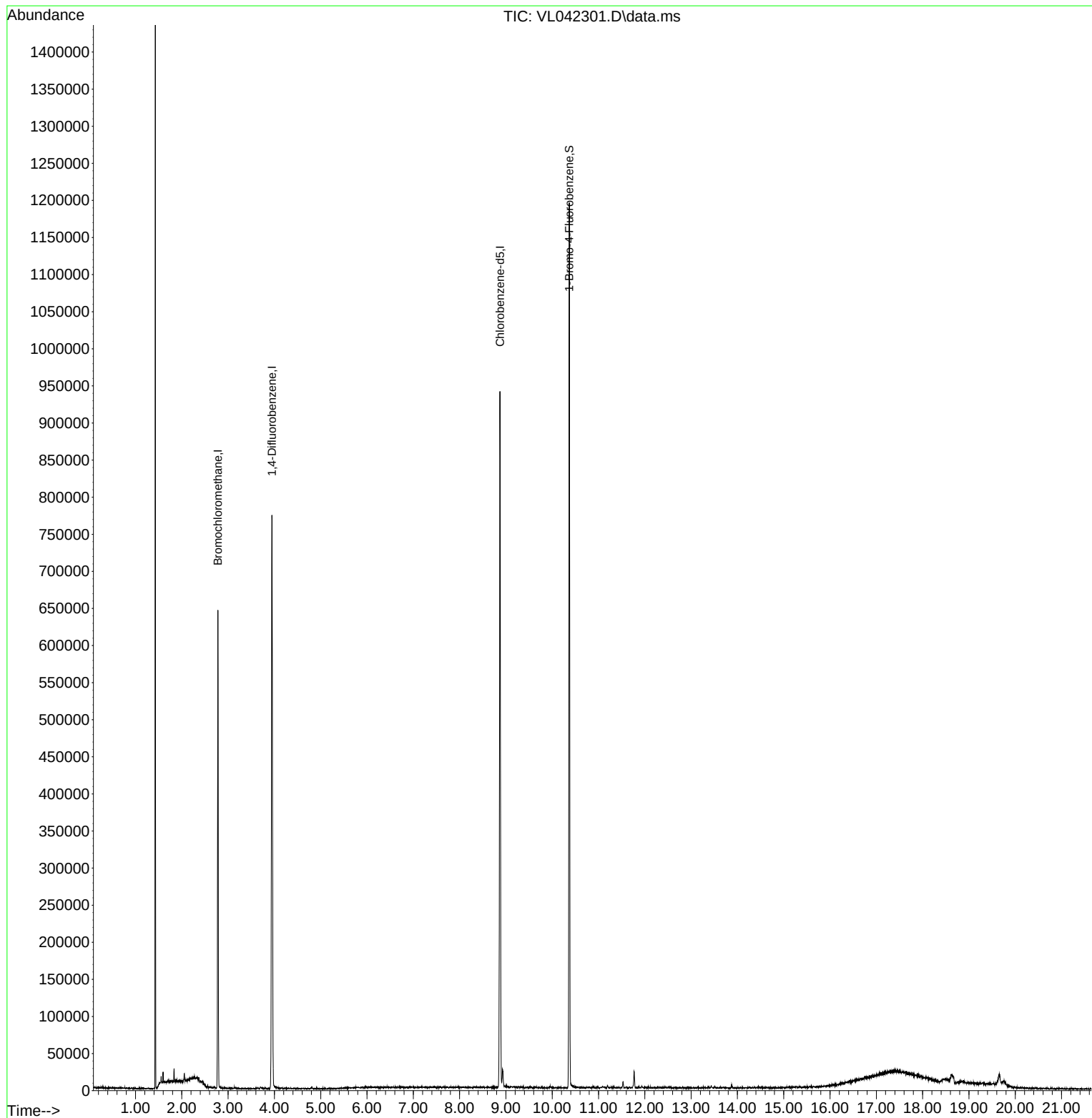
Target Compounds	Qvalue

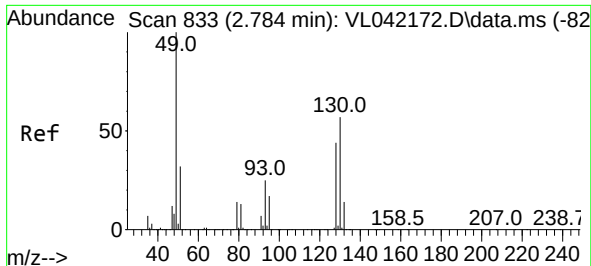
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
Data File : VL042301.D
Acq On : 10 Apr 2025 10:11
Operator : SY/MD
Sample : VL0410ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABL01

Quant Time: Apr 11 01:55:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

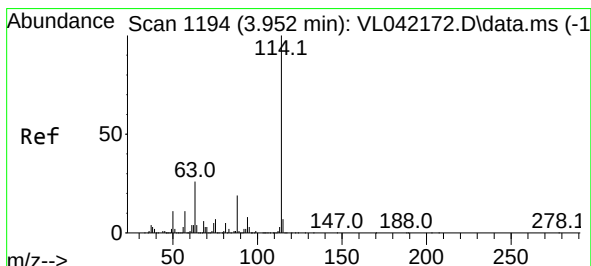
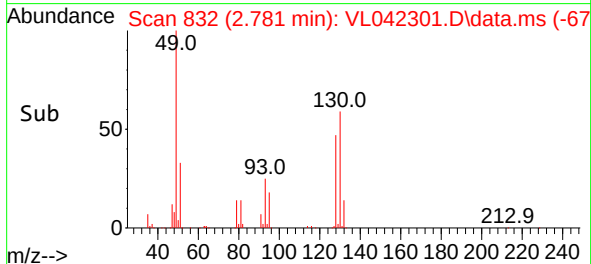
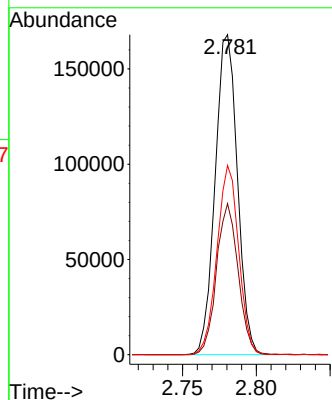
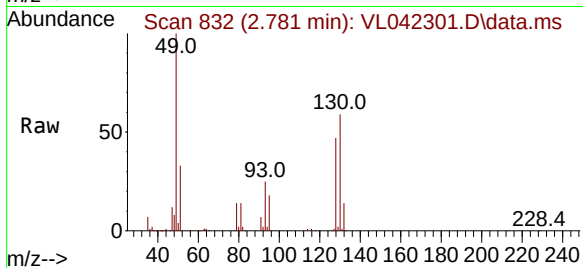




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042301.D
Acq: 10 Apr 2025 10:11

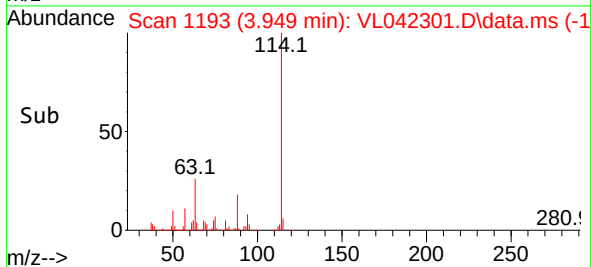
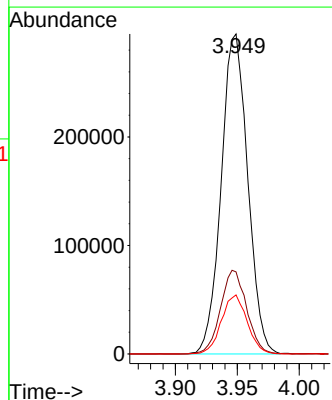
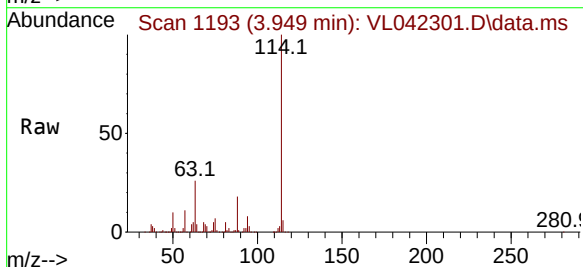
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABL01

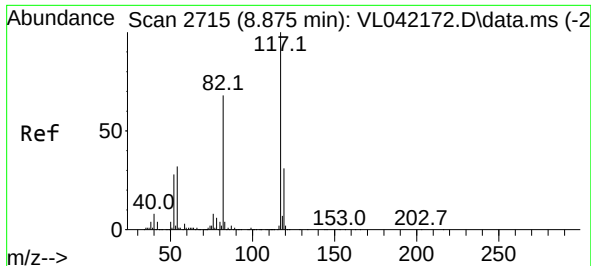
Tgt Ion: 49 Resp: 176739
Ion Ratio Lower Upper
49 100
128 45.8 22.9 68.5
130 57.7 28.8 86.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.003 min
Lab File: VL042301.D
Acq: 10 Apr 2025 10:11

Tgt Ion:114 Resp: 440263
Ion Ratio Lower Upper
114 100
63 25.8 20.7 31.1
88 17.9 15.0 22.4

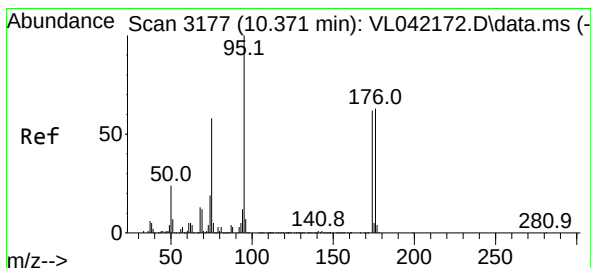
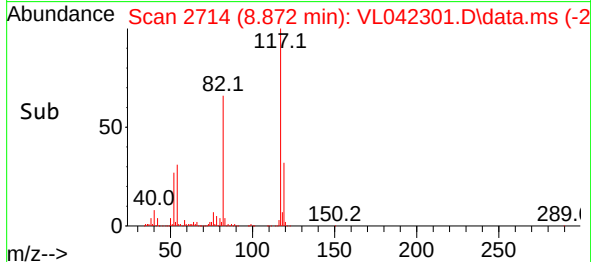
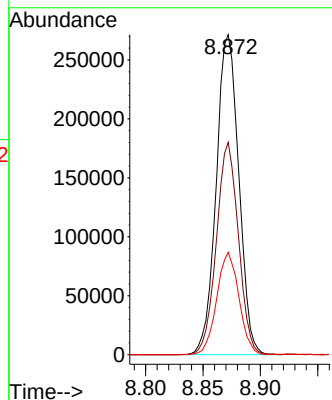
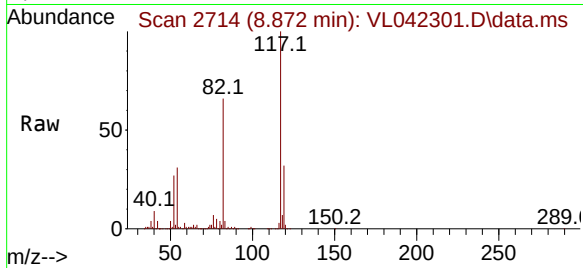




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. -0.003 min
Lab File: VL042301.D
Acq: 10 Apr 2025 10:11

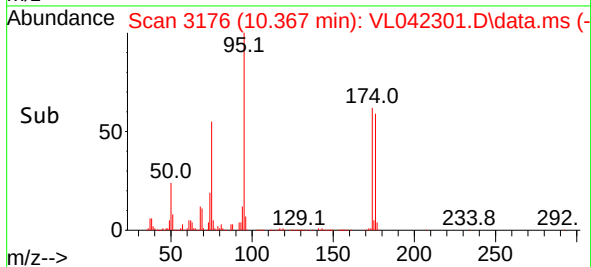
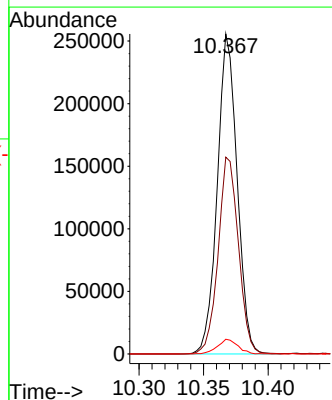
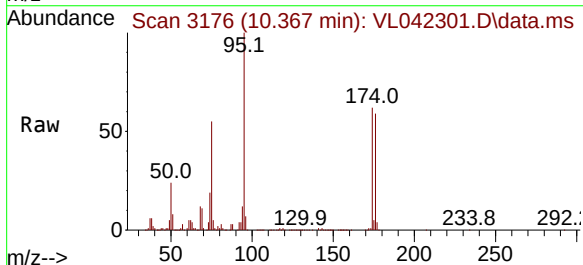
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABL01

Tgt Ion:117 Resp: 371291
Ion Ratio Lower Upper
117 100
82 64.9 55.8 83.6
119 31.6 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 8.946 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VL042301.D
Acq: 10 Apr 2025 10:11

Tgt Ion: 95 Resp: 272765
Ion Ratio Lower Upper
95 100
174 63.2 50.6 76.0
175 4.7 3.8 5.6



Report of Analysis

Client:	GFE LLC	Date Collected:	
Project:	4701 White Plains Rd, Bronx, NY	Date Received:	
Client Sample ID:	VL0410ABS01	SDG No.:	Q1772
Lab Sample ID:	VL0410ABS01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400	Units:	mL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042302.D	1		04/10/25 11:05	VL041025

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	8.50	21.7		0.030	0.080	ug/m3
75-35-4	1,1-Dichloroethene	8.40	33.3		0.56	1.98	ug/m3
156-59-2	cis-1,2-Dichloroethene	9.00	35.7		0.36	1.98	ug/m3
71-55-6	1,1,1-Trichloroethane	8.80	48.0		0.050	0.16	ug/m3
79-01-6	Trichloroethene	10.3	55.4		0.11	0.16	ug/m3
127-18-4	Tetrachloroethene	9.20	62.4		0.14	0.20	ug/m3
SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	9.90			65 - 135	99%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	182000		2.78			
540-36-3	1,4-Difluorobenzene	455000		3.949			
3114-55-4	Chlorobenzene-d5	405000		8.872			

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\VL041025\
 Data File : VL042302.D
 Acq On : 10 Apr 2025 11:05
 Operator : SY/MD
 Sample : VL0410ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:55:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.780	49	181992	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	454728	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	404669	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 327827 9.865 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	251268	9.351	ppbv	100
3) Chlorodifluoromethane	1.473	51	281024	10.237	ppbv	100
4) Chloromethane	1.531	50	108261	9.858	ppbv	96
5) Vinyl Chloride	1.576	62	98639	8.476	ppbv	99
6) Bromomethane	1.664	94	45101	9.063	ppbv	98
7) Chloroethane	1.699	64	39048	8.858	ppbv	100
8) Dichlorotetrafluoroethane	1.550	85	217598	9.509	ppbv	96
9) Propene	1.479	41	109142	8.674	ppbv	98
10) Heptane	4.965	43	316659	9.462	ppbv	100
11) Trichlorofluoromethane	1.874	101	245155	9.376	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.133	101	188616	8.776	ppbv	98
13) Ethanol	1.719	45	6073	5.106	ppbv	83
14) Bromoethene	1.777	108	70885	8.610	ppbv	99
15) Acetone	1.832	43	224780	8.831	ppbv	97
16) 1,3-Butadiene	1.605	39	108045	8.692	ppbv	99
17) tert-Butyl alcohol	2.036	59	241572	7.620	ppbv	99
18) 1,1-Dichloroethene	2.029	96	84303	8.391	ppbv	99
19) Isopropyl Alcohol	1.881	45	121689	8.474	ppbv	93
20) Methylene Chloride	2.055	84	75086	7.921	ppbv	90
21) Allyl Chloride	2.091	41	159249	8.872	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	98486	8.482	ppbv	99
23) Vinyl Acetate	2.457	43	84988	7.715	ppbv	98
24) 1,1-Dichloroethane	2.402	63	202298	9.398	ppbv	99
25) Ethyl Acetate	2.829	43	654276	9.904	ppbv	99
26) Hexane	2.819	57	244625	9.587	ppbv	96
27) Carbon Disulfide	2.146	76	237591	8.683	ppbv #	95
28) Methyl tert-Butyl Ether	2.434	73	122255	7.696	ppbv	96
29) Chloroform	2.842	83	385486	10.323	ppbv	100
30) Cyclohexane	3.845	84	196837	8.884	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	233042	8.996	ppbv	96
32) 1,1,1-Trichloroethane	3.360	97	375253	8.777	ppbv	98
34) 2-Butanone	2.551	43	367560	11.147	ppbv	97
35) Carbon Tetrachloride	3.755	117	392214	11.041	ppbv	100
36) Benzene	3.648	78	484758	10.753	ppbv	98
37) 1,2-Dichloroethane	3.211	62	290241	11.246	ppbv	99
38) Trichloroethene	4.538	130	193516	10.288	ppbv	99
39) 1,2-Dichloropropane	4.305	63	178422	10.868	ppbv	92
40) 1,4-Dioxane	4.570	88	81717	9.378	ppbv #	96
41) Tetrahydrofuran	3.049	42	201299	10.601	ppbv	95
42) Bromodichloromethane	4.480	83	406194	11.416	ppbv	100
43) Methyl Methacrylate	4.871	69	177759	9.315	ppbv	99
44) 2,2,4-Trimethylpentane	4.628	57	844094	11.080	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	168205	8.215	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041025\
 Data File : VL042302.D
 Acq On : 10 Apr 2025 11:05
 Operator : SY/MD
 Sample : VL0410ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/11/2025
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:55:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

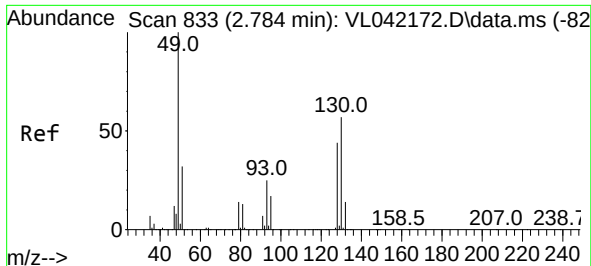
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

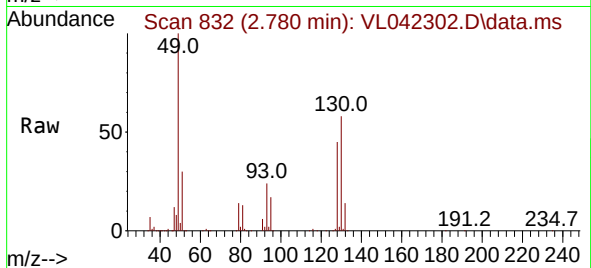
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	226293	9.016	ppbv	98
47) 1,1,2-Trichloroethane	6.570	97	198266	11.424	ppbv	97
48) Dibromochloromethane	7.376	129	318857	10.841	ppbv	100
49) Bromoform	9.474	173	288223	10.915	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	518035	9.913	ppbv	96
51) 2-Hexanone	7.428	43	414703	9.664	ppbv #	94
52) Tetrachloroethene	8.215	164	165334	9.248	ppbv	97
53) Toluene	6.923	91	527837	9.877	ppbv	100
54) 1,2-Dibromoethane	7.642	107	265105	10.958	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.917	131	269261	12.088	ppbv	99
57) Chlorobenzene	8.914	112	453135	11.805	ppbv	97
58) Ethyl Benzene	9.348	91	773516	10.761	ppbv	99
59) m/p-Xylene	9.542	91	1316027m	22.929	ppbv	
60) o-Xylene	9.956	91	656144	11.404	ppbv	96
61) Styrene	9.862	104	283752	9.968	ppbv	99
62) Isopropylbenzene	10.532	105	968339	11.254	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	437804	12.523	ppbv	99
64) n-propylbenzene	10.982	120	260101	11.743	ppbv	98
65) tert-Butylbenzene	11.526	119	891006	11.197	ppbv	99
66) Benzyl Chloride	11.610	91	67064	7.943	ppbv	98
67) sec-Butylbenzene	11.762	105	1266690	11.452	ppbv	99
69) p-Isopropyltoluene	11.921	119	1065111	11.183	ppbv	99
70) n-Butylbenzene	12.277	91	1117359	11.471	ppbv	99
71) 2-Chlorotoluene	10.895	91	738389	11.057	ppbv	98
72) 4-Ethyltoluene	11.118	105	818929	11.431	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	705360	11.273	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	800991	11.112	ppbv	97
75) 1,3-Dichlorobenzene	11.603	146	481728	12.185	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	479693	12.192	ppbv	99
77) 1,2-Dichlorobenzene	11.940	146	477721	12.411	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	380053	9.700	ppbv	99
79) Naphthalene	13.510	128	905270	11.482	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	422199	10.919	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	402319	11.063	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

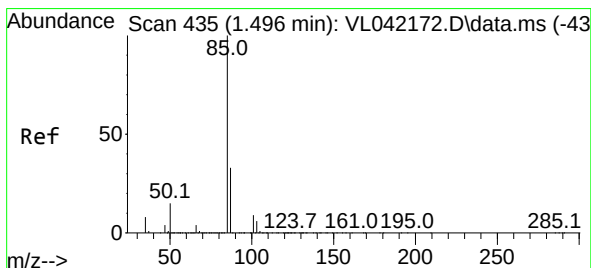
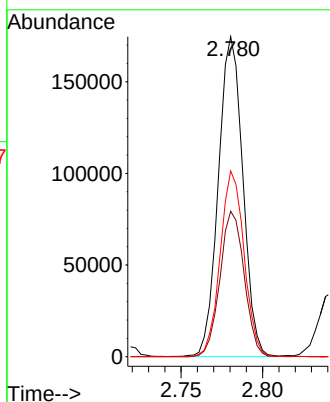
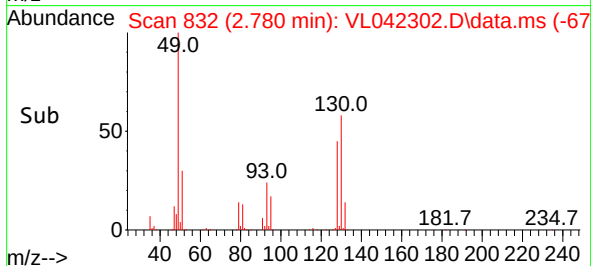
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 49 Resp: 181992
Ion Ratio Lower Upper
49 100
128 44.9 22.9 68.5
130 56.6 28.8 86.4

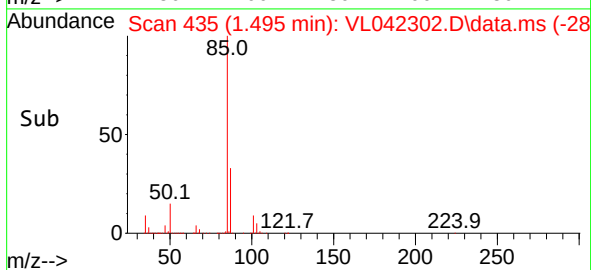
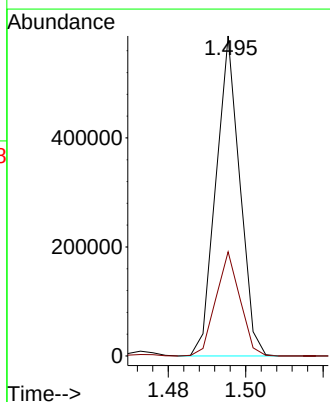
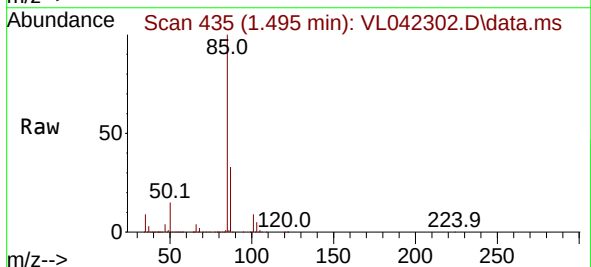
Manual Integrations
APPROVED

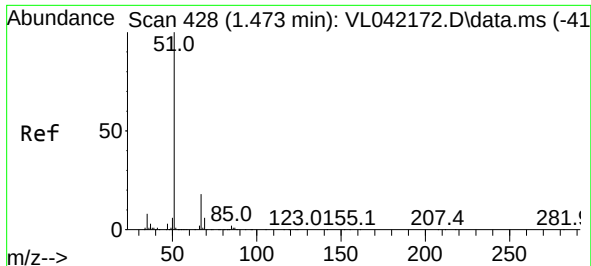
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#2
Dichlorodifluoromethane
Concen: 9.351 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

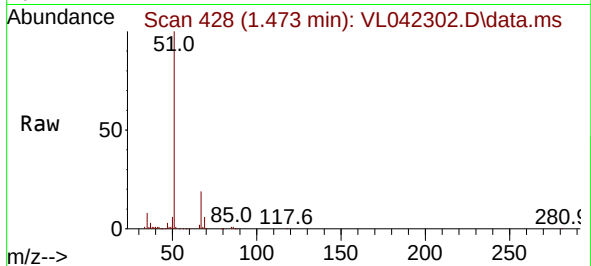
Tgt Ion: 85 Resp: 251268
Ion Ratio Lower Upper
85 100
87 32.6 26.1 39.1





#3
Chlorodifluoromethane
Concen: 10.237 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

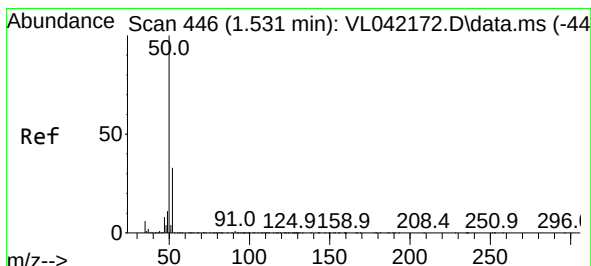
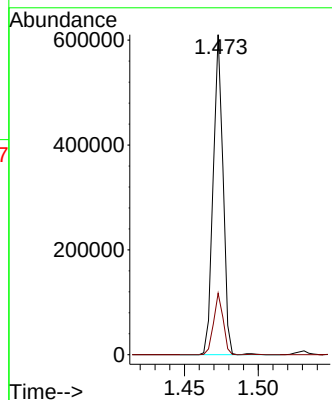
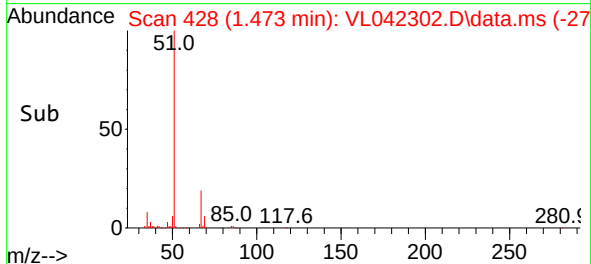
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



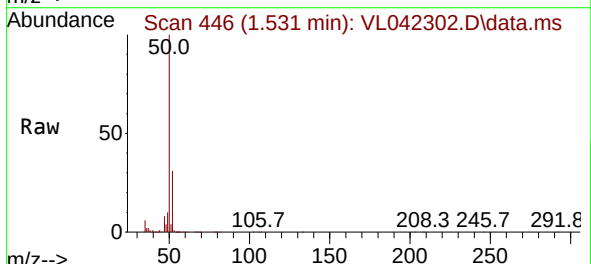
Tgt Ion: 51 Resp: 281024
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.6

Manual Integrations
APPROVED

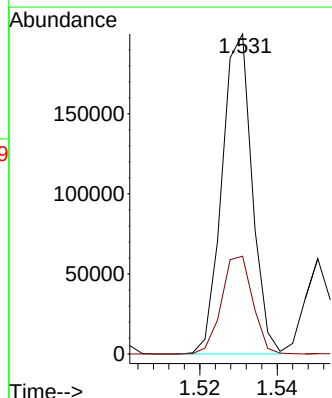
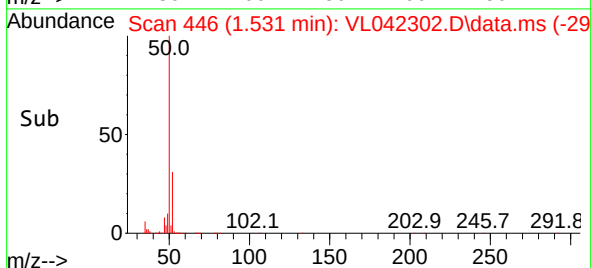
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

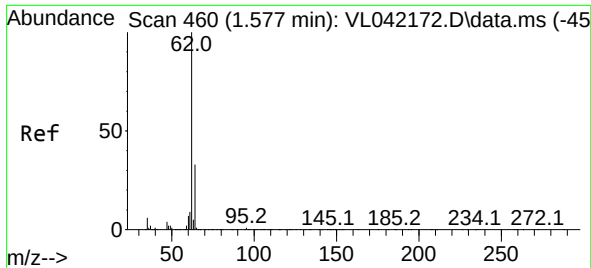


#4
Chloromethane
Concen: 9.858 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



Tgt Ion: 50 Resp: 108261
Ion Ratio Lower Upper
50 100
52 30.6 26.1 39.1





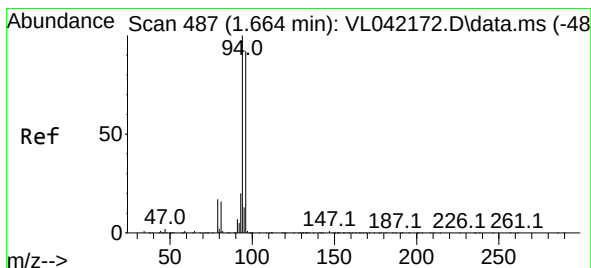
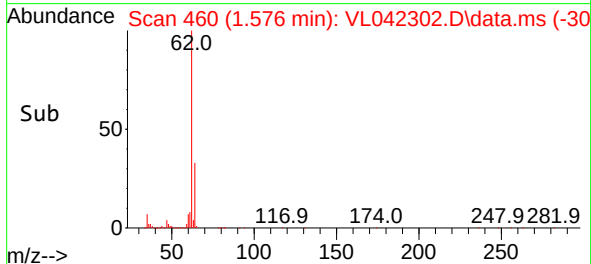
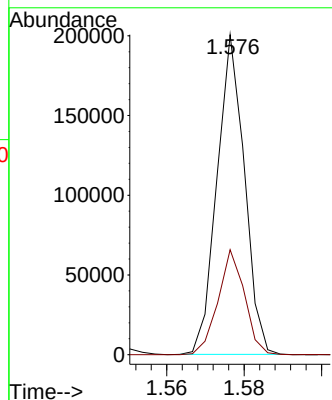
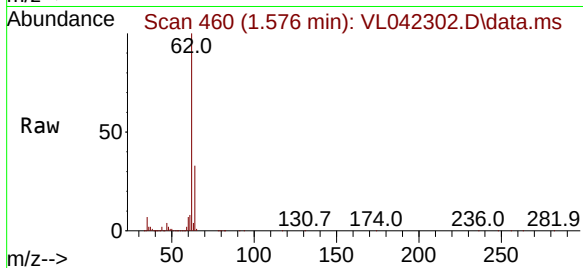
#5
 Vinyl Chloride
 Concen: 8.476 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01

Tgt Ion: 62 Resp: 98639
 Ion Ratio Lower Upper
 62 100
 64 32.9 26.6 40.0

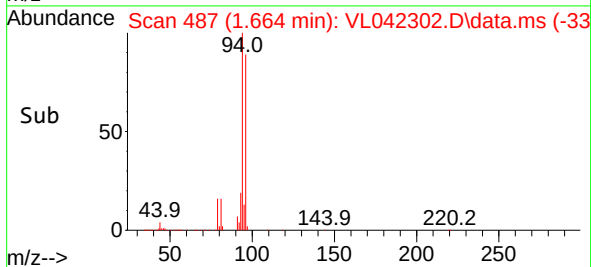
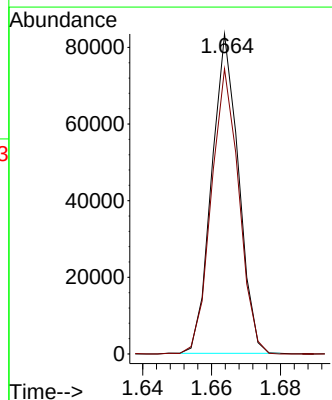
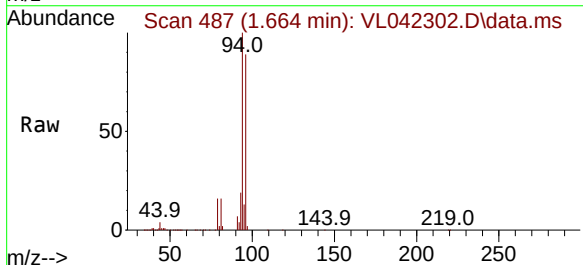
Manual Integrations
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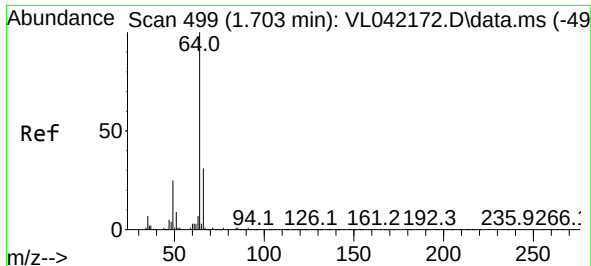
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025



#6
 Bromomethane
 Concen: 9.063 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Tgt Ion: 94 Resp: 45101
 Ion Ratio Lower Upper
 94 100
 96 89.3 73.1 109.7





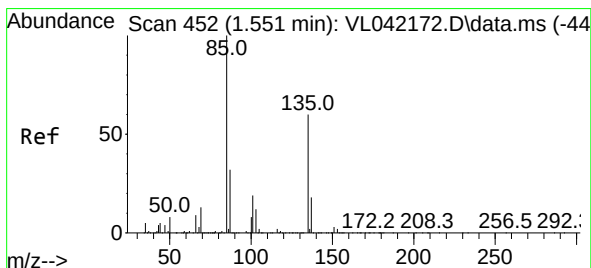
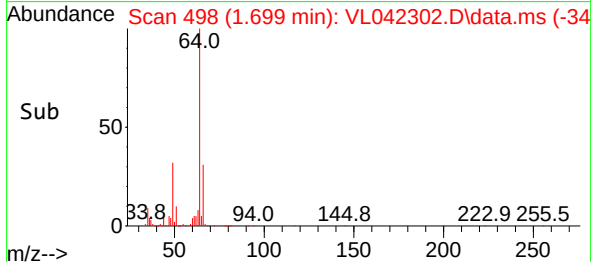
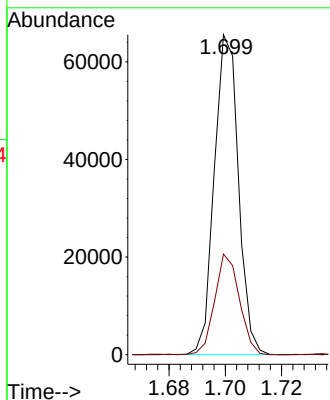
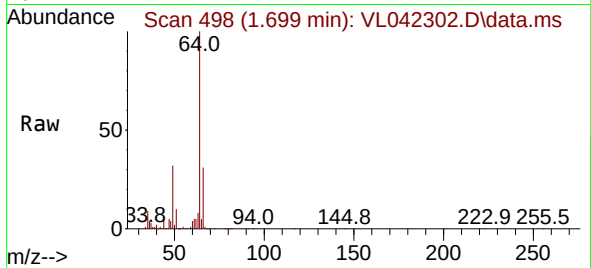
#7
Chloroethane
Concen: 8.858 ppbv
RT: 1.699 min Scan# 499
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Tgt Ion: 64 Resp: 39048
Ion Ratio Lower Upper
64 100
66 31.4 25.2 37.8

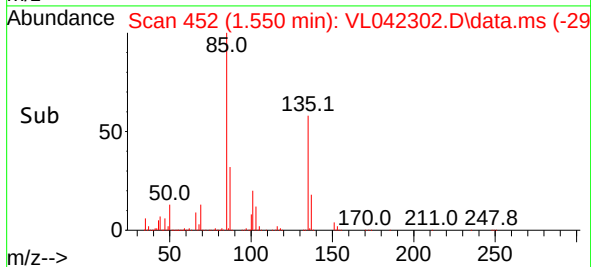
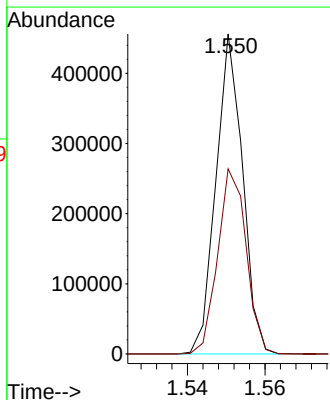
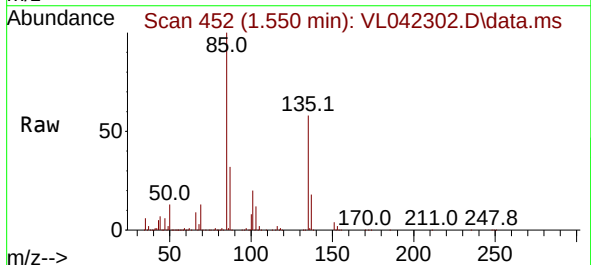
Manual Integrations
APPROVED

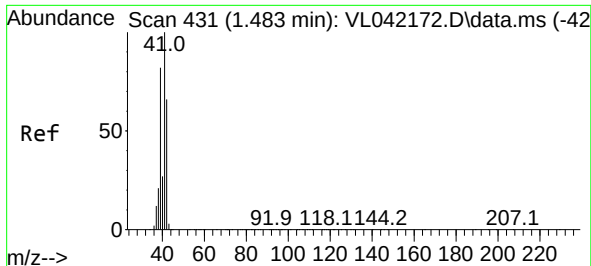
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#8
Dichlorotetrafluoroethane
Concen: 9.509 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 85 Resp: 217598
Ion Ratio Lower Upper
85 100
135 61.9 52.4 78.6





#9

Propene

Concen: 8.674 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

Tgt Ion: 41 Resp: 10914

Ion Ratio Lower Upper

41 100

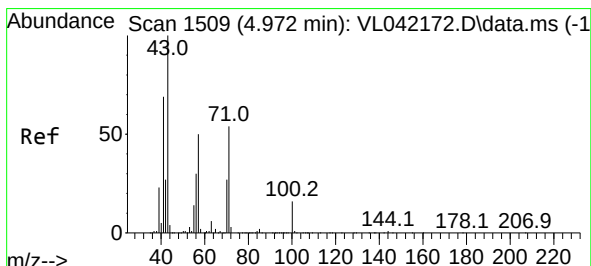
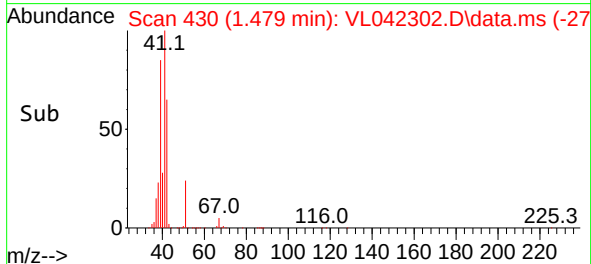
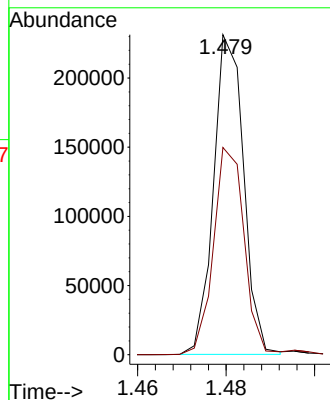
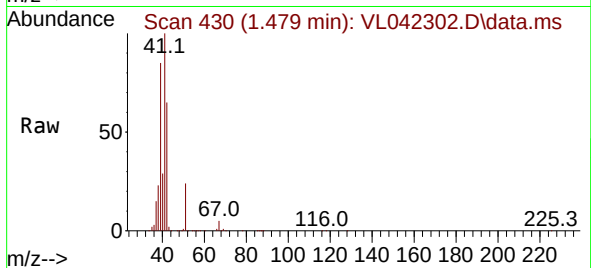
42 67.7 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#10

Heptane

Concen: 9.462 ppbv

RT: 4.965 min Scan# 1507

Delta R.T. -0.007 min

Lab File: VL042302.D

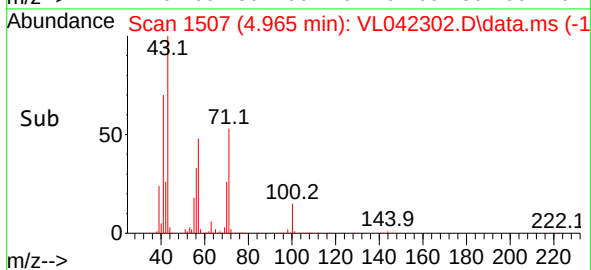
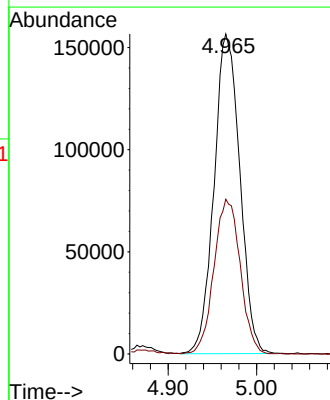
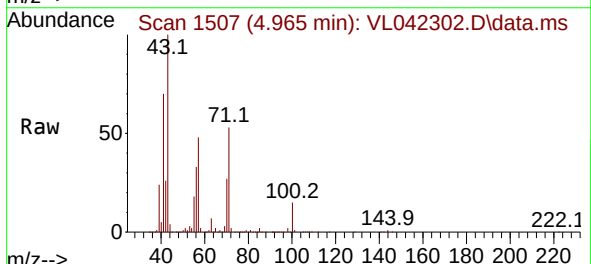
Acq: 10 Apr 2025 11:05

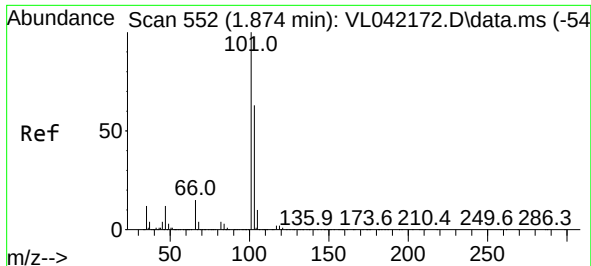
Tgt Ion: 43 Resp: 316659

Ion Ratio Lower Upper

43 100

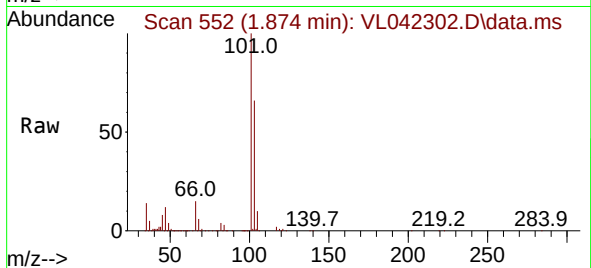
57 49.3 39.4 59.2





#11
Trichlorofluoromethane
Concen: 9.376 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

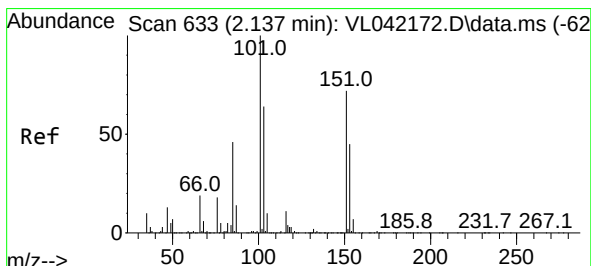
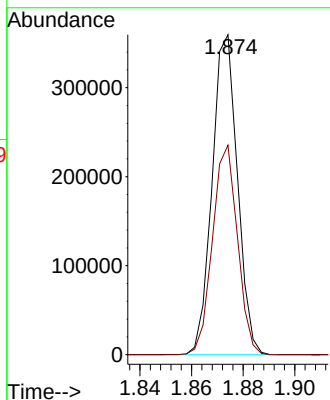
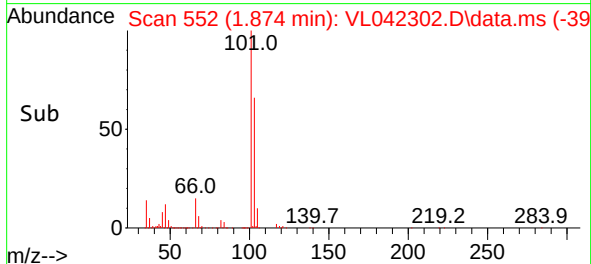
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



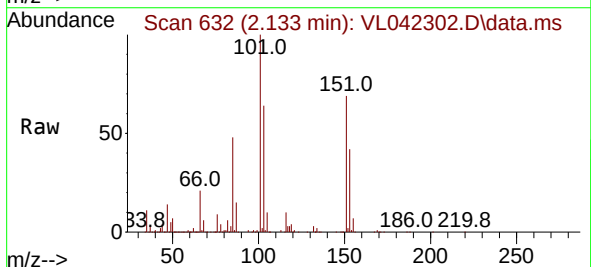
Tgt Ion:101 Resp: 245158
Ion Ratio Lower Upper
101 100
103 65.5 50.2 75.2

Manual Integrations
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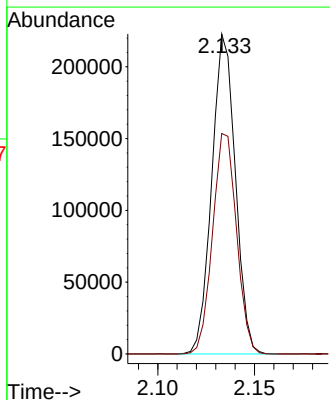
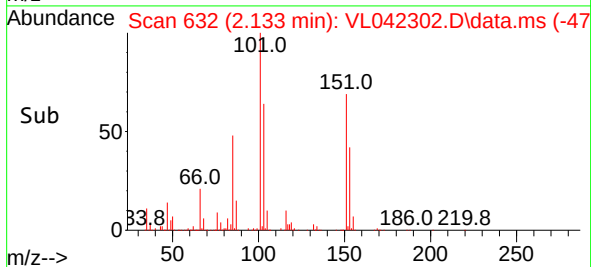
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

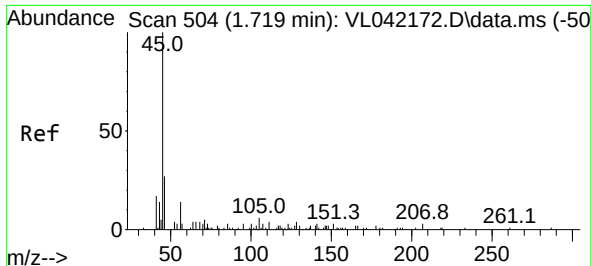


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.776 ppbv
RT: 2.133 min Scan# 632
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



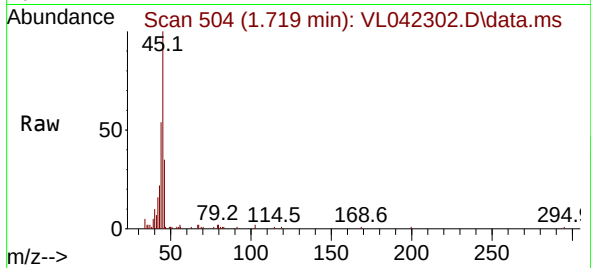
Tgt Ion:101 Resp: 188616
Ion Ratio Lower Upper
101 100
151 70.1 57.1 85.7





#13
Ethanol
Concen: 5.106 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

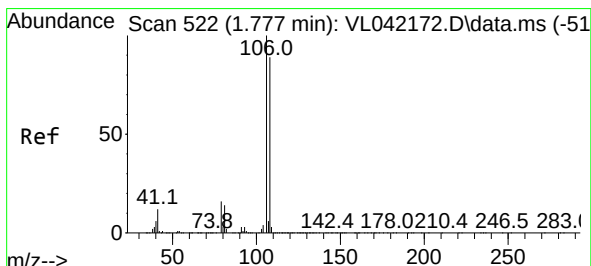
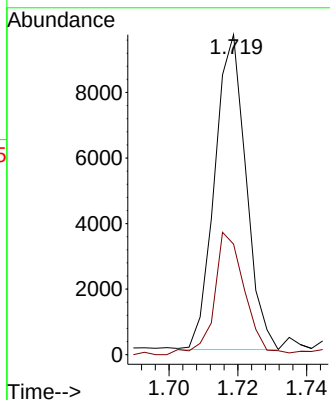
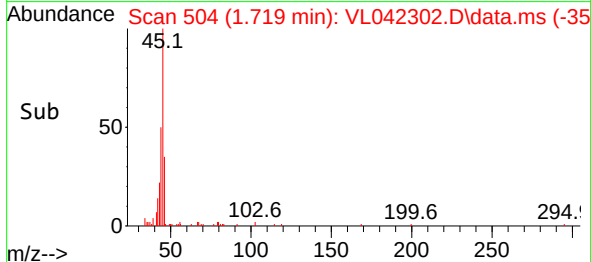
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



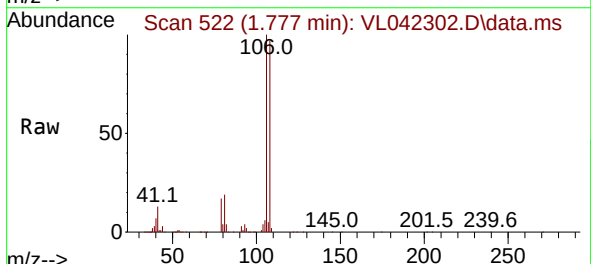
Tgt Ion: 45 Resp: 607
Ion Ratio Lower Upper
45 100
46 39.1 20.2 80.8

Manual Integrations
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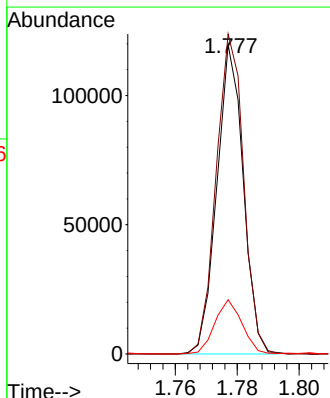
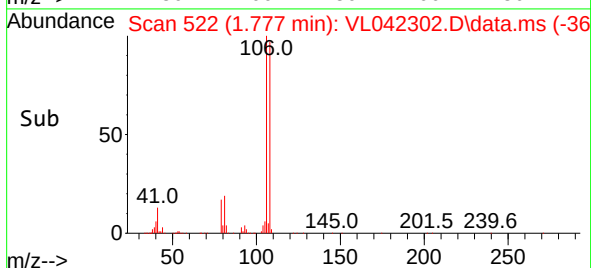
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

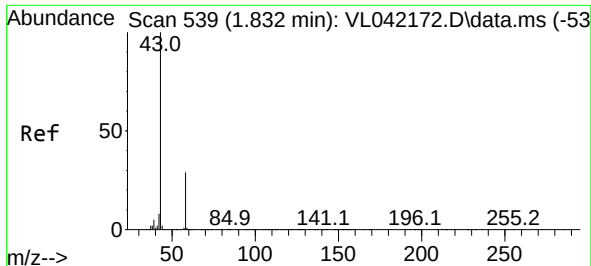


#14
Bromoethene
Concen: 8.610 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



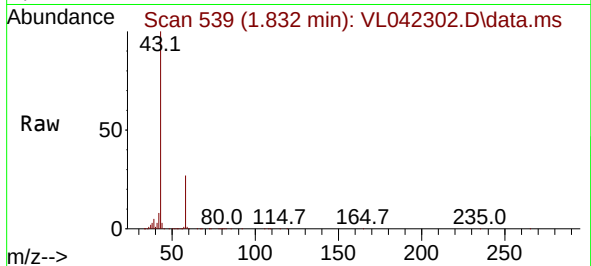
Tgt Ion:108 Resp: 70885
Ion Ratio Lower Upper
108 100
106 107.1 86.8 130.2
79 18.4 15.0 22.6





#15
Acetone
Concen: 8.831 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

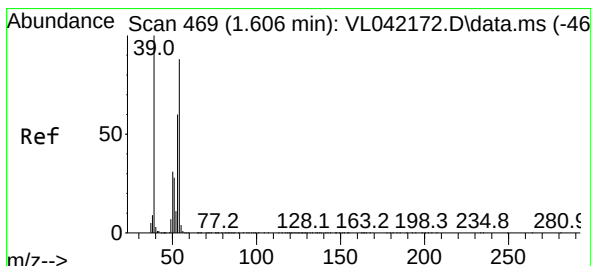
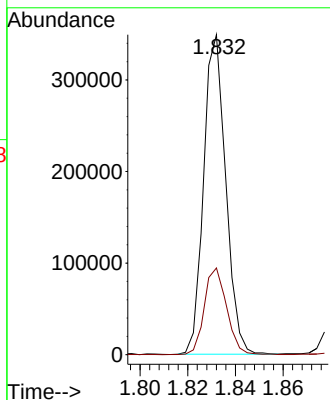
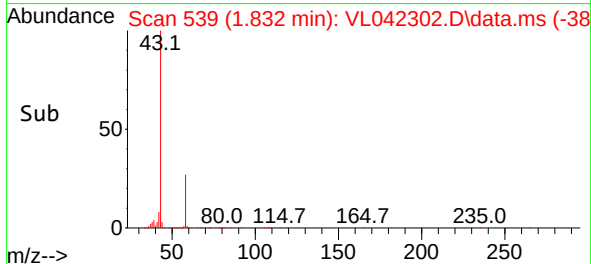
Instrument : MSVOA_L
ClientSampleId : VL0410ABS01



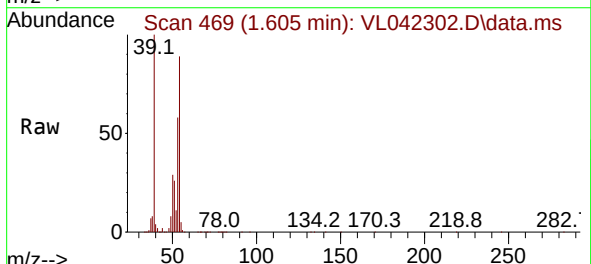
Tgt Ion: 43 Resp: 224780
Ion Ratio Lower Upper
43 100
58 27.6 23.2 34.8

Manual Integrations
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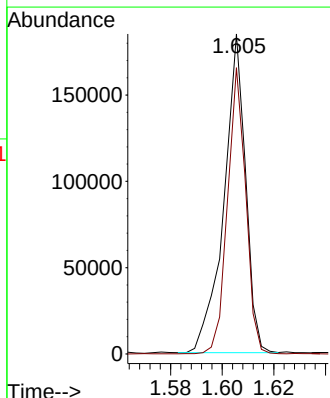
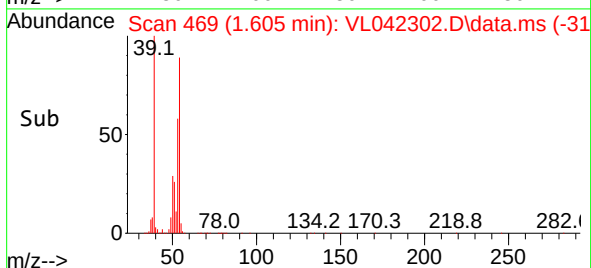
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

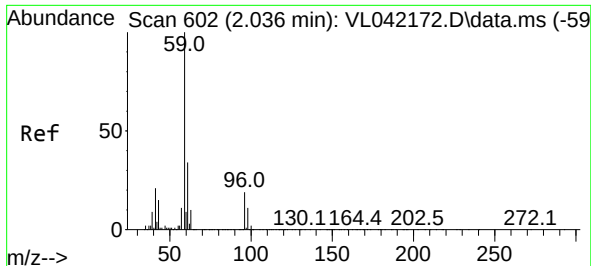


#16
1,3-Butadiene
Concen: 8.692 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



Tgt Ion: 39 Resp: 108045
Ion Ratio Lower Upper
39 100
54 75.1 60.7 91.1





#17

tert-Butyl alcohol

Concen: 7.620 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

Tgt Ion: 59 Resp: 241572

Ion Ratio Lower Upper

59 100

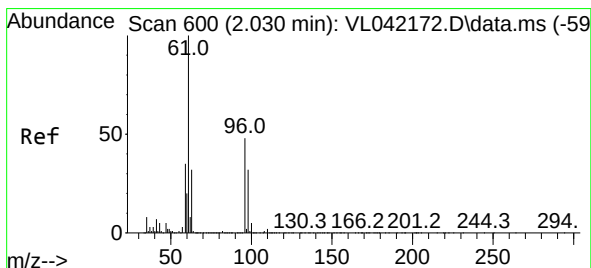
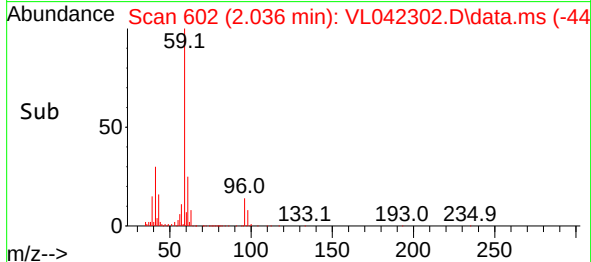
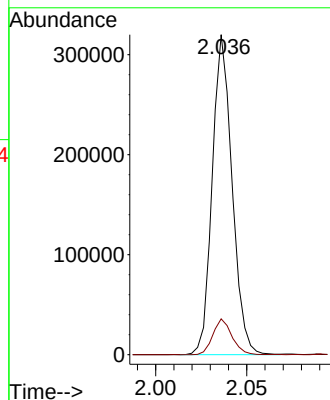
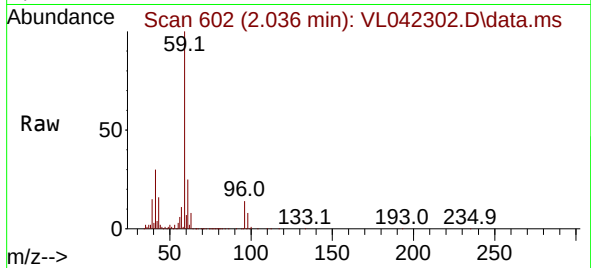
57 10.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#18

1,1-Dichloroethene

Concen: 8.391 ppbv

RT: 2.029 min Scan# 600

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

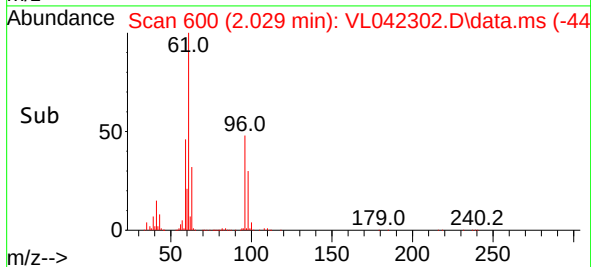
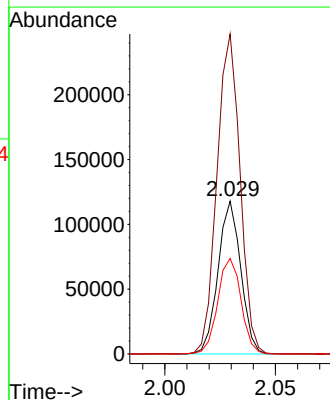
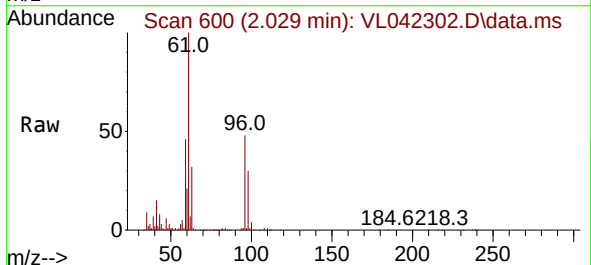
Tgt Ion: 96 Resp: 84303

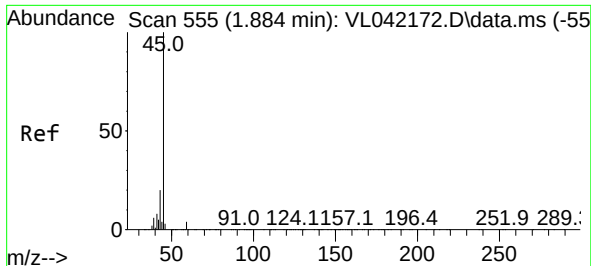
Ion Ratio Lower Upper

96 100

61 209.4 167.6 251.4

98 62.5 53.5 80.3





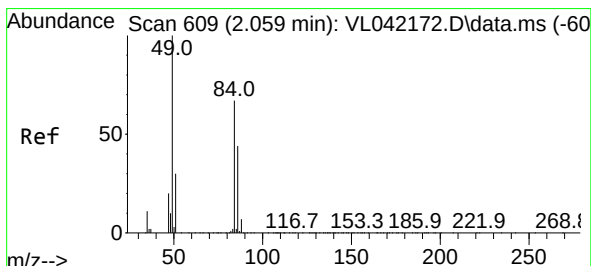
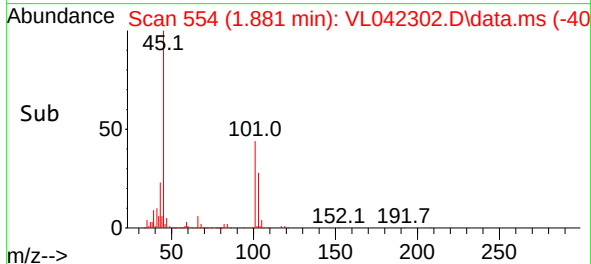
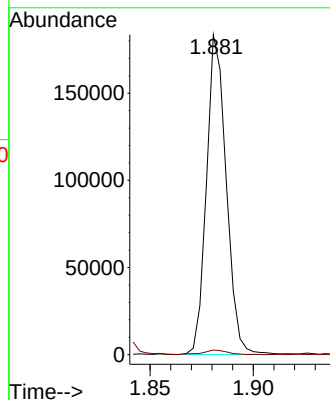
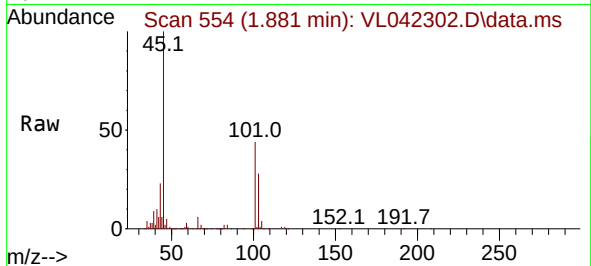
#19
Isopropyl Alcohol
Concen: 8.474 ppbv
RT: 1.881 min Scan# 511
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Tgt Ion: 45 Resp: 121689
Ion Ratio Lower Upper
45 100
58 50.9 36.9 55.3

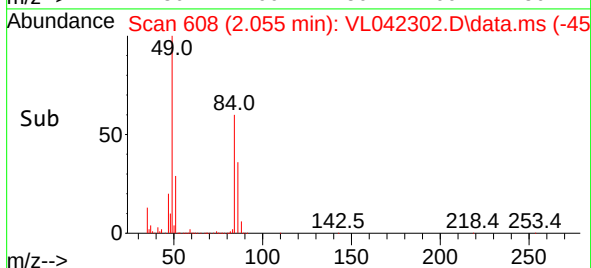
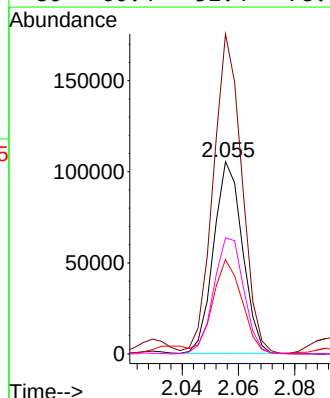
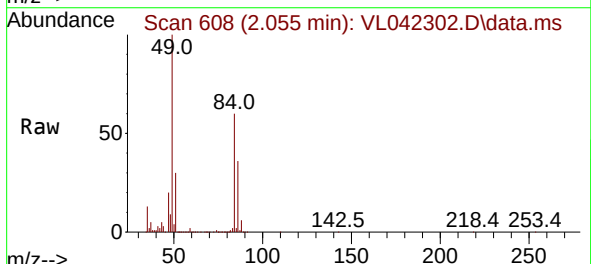
Manual Integrations
APPROVED

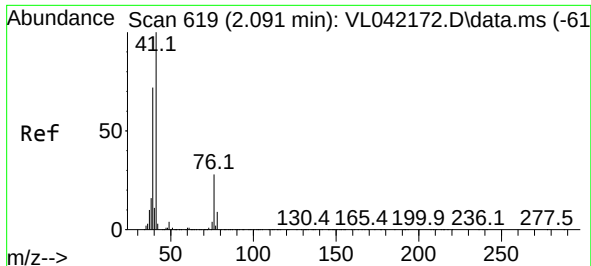
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#20
Methylene Chloride
Concen: 7.921 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 84 Resp: 75086
Ion Ratio Lower Upper
84 100
49 166.6 120.2 180.4
51 48.8 37.4 56.0
86 60.4 52.4 78.6





#21
 Allyl Chloride
 Concen: 8.872 ppbv
 RT: 2.091 min Scan# 619
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

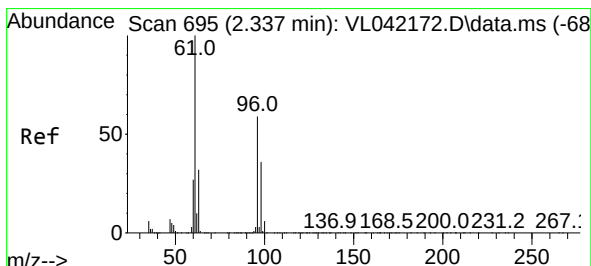
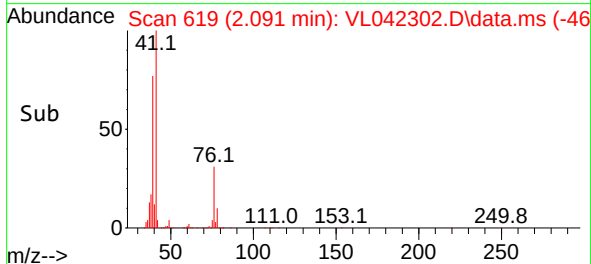
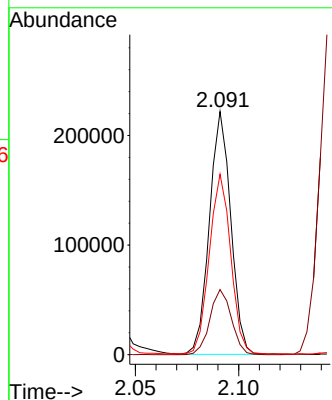
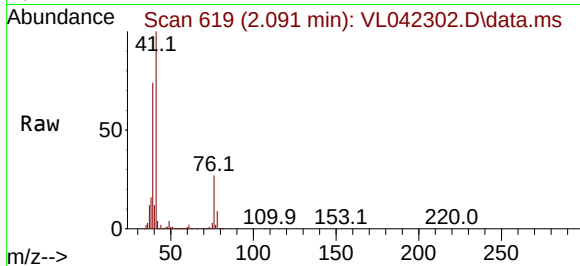
ClientSampleId :

VL0410ABS01

Tgt Ion: 41 Resp: 159249
 Ion Ratio Lower Upper
 41 100
 76 27.0 24.1 36.1
 39 74.3 61.1 91.7

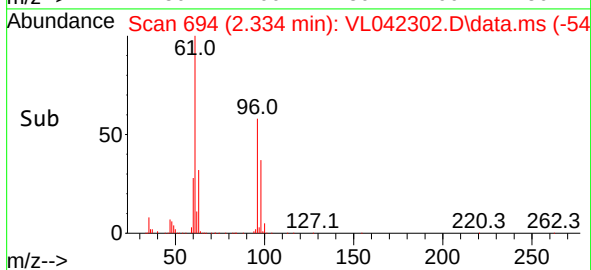
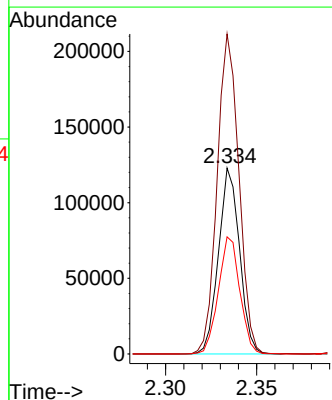
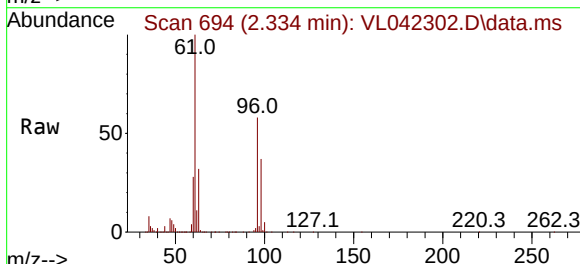
Manual Integrations
 APPROVED

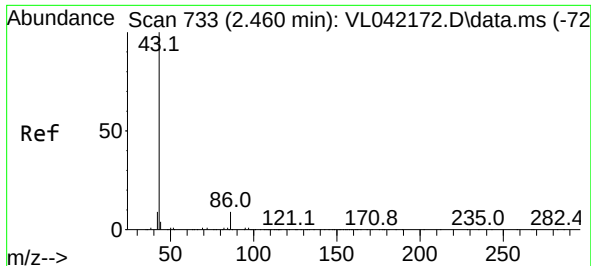
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025



#22
 trans-1,2-Dichloroethene
 Concen: 8.482 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

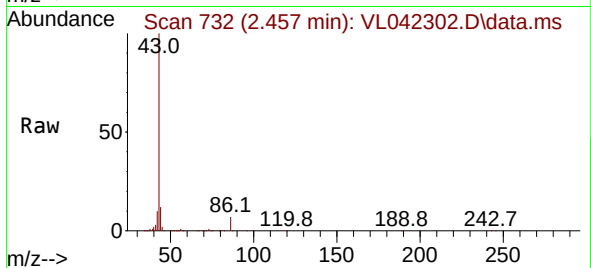
Tgt Ion: 96 Resp: 98486
 Ion Ratio Lower Upper
 96 100
 61 172.1 136.6 204.8
 98 63.0 49.4 74.2





#23
 Vinyl Acetate
 Concen: 7.715 ppbv
 RT: 2.457 min Scan# 715
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

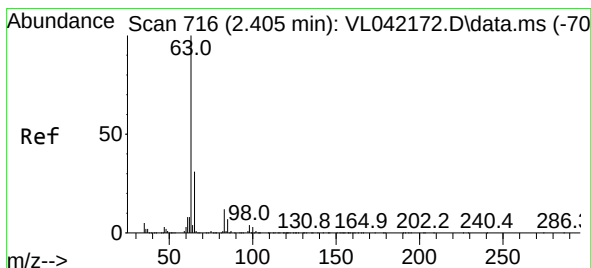
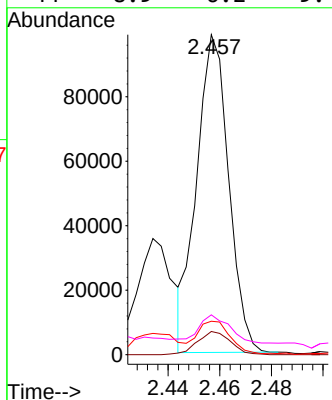
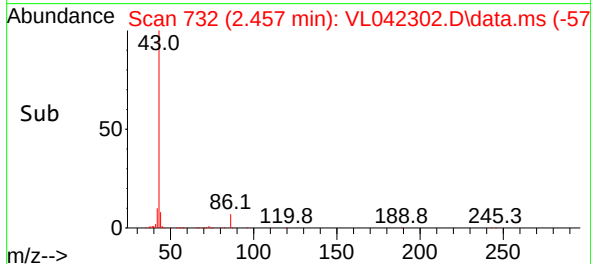
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01



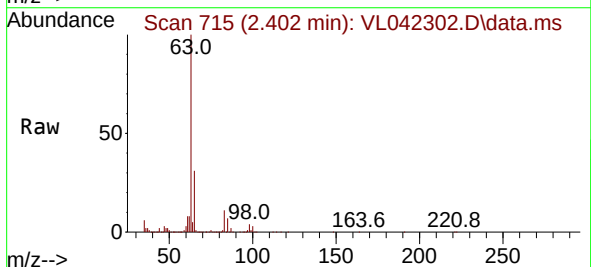
Tgt Ion: 43	Resp: 8498
Ion Ratio	Lower Upper
43 100	
86 7.3	5.5 8.3
42 10.2	8.6 13.0
44 8.9	6.2 9.4

Manual Integrations
 APPROVED

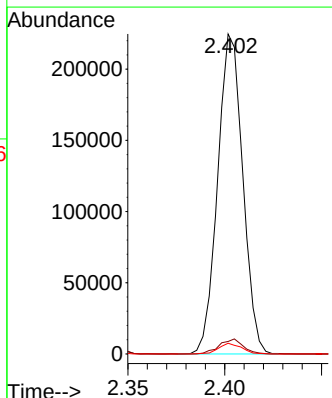
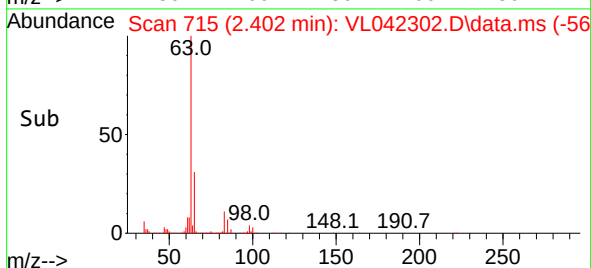
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

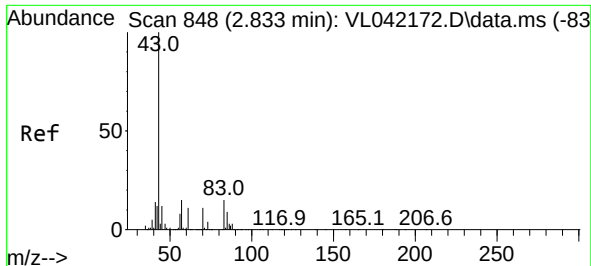


#24
 1,1-Dichloroethane
 Concen: 9.398 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05



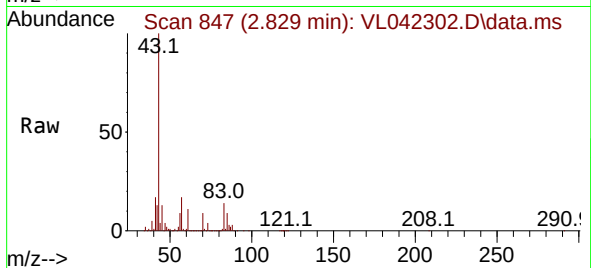
Tgt Ion: 63	Resp: 202298
Ion Ratio	Lower Upper
63 100	
98 3.9	2.3 6.8
100 3.4	1.6 4.7





#25
Ethyl Acetate
Concen: 9.904 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

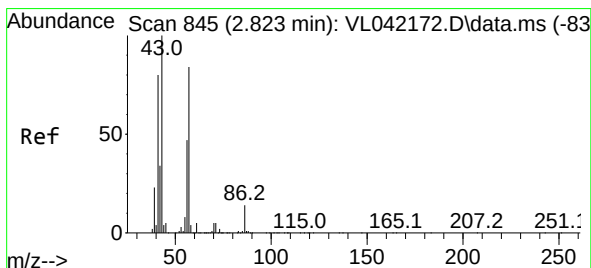
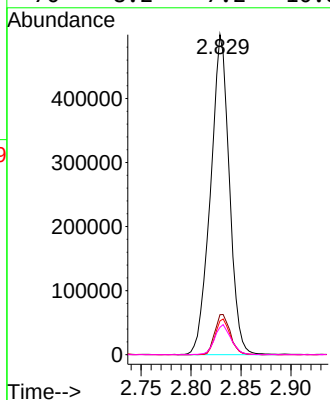
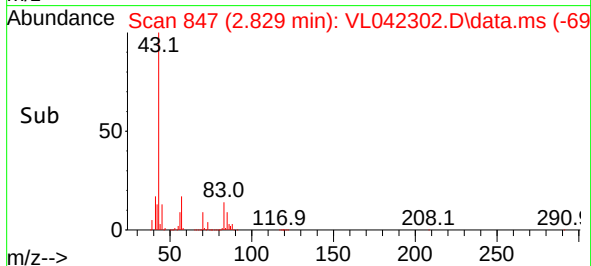
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 43 Resp: 654270
Ion Ratio Lower Upper
43 100
45 10.4 8.2 12.2
61 9.0 7.3 10.9
70 8.2 7.2 10.8

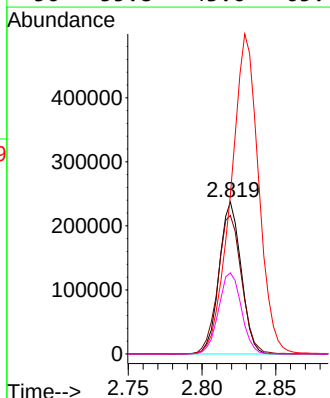
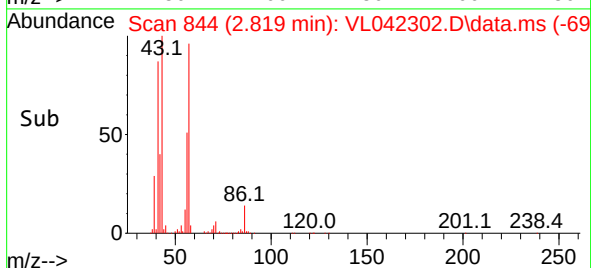
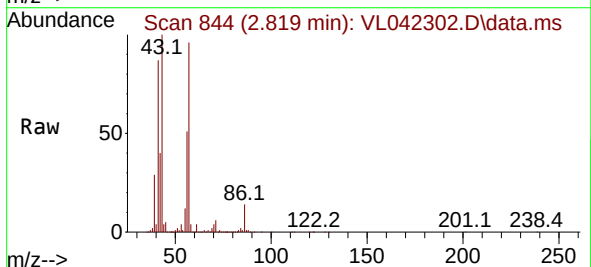
Manual Integrations
APPROVED

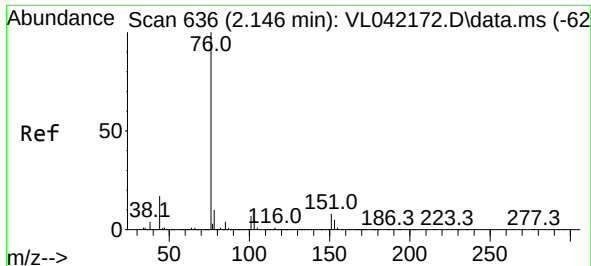
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#26
Hexane
Concen: 9.587 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

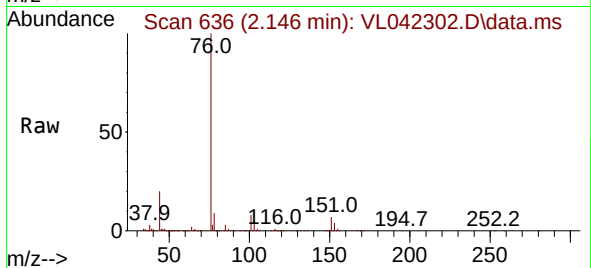
Tgt Ion: 57 Resp: 244625
Ion Ratio Lower Upper
57 100
41 99.7 76.6 114.8
43 267.7 207.8 311.8
56 55.8 43.6 65.4





#27
Carbon Disulfide
Concen: 8.683 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

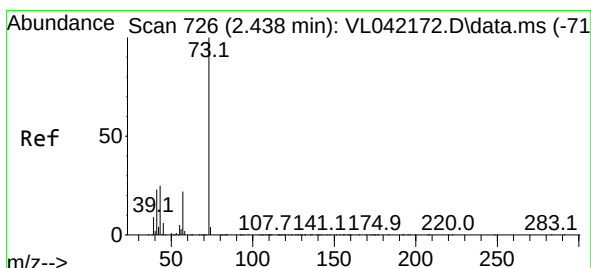
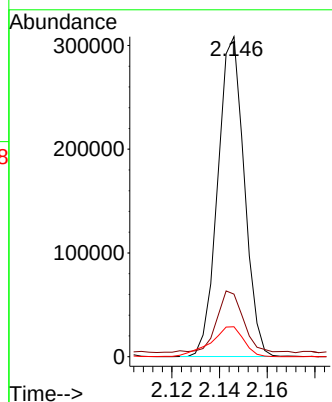
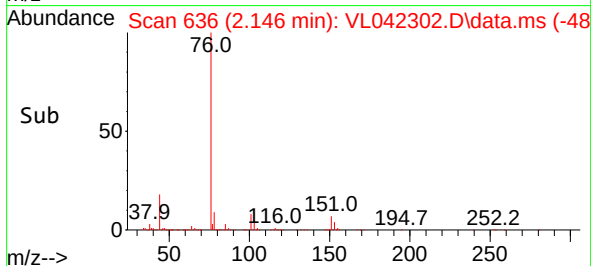
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 76 Resp: 237591
Ion Ratio Lower Upper
76 100
44 22.3 14.7 22.1
78 11.7 9.3 13.9

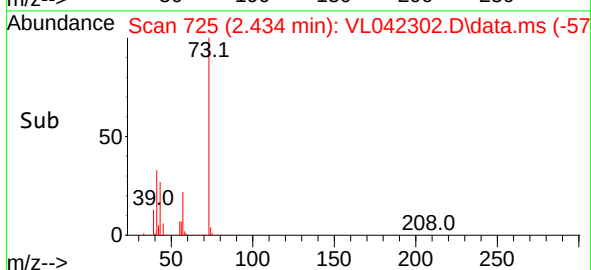
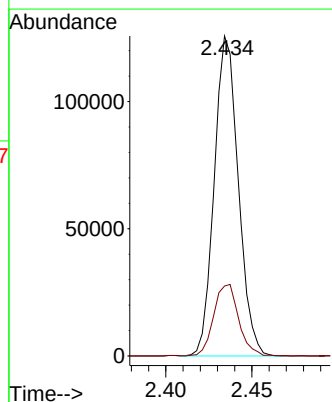
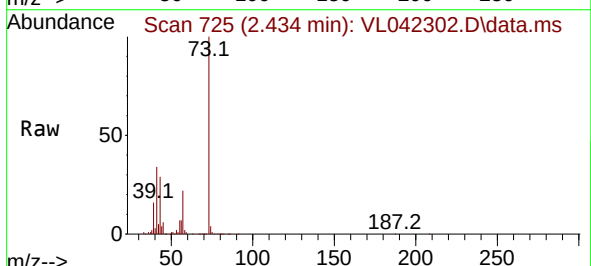
Manual Integrations
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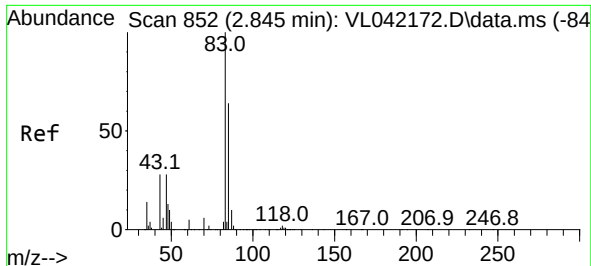
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#28
Methyl tert-Butyl Ether
Concen: 7.696 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

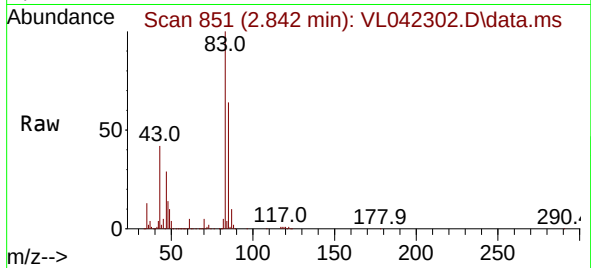
Tgt Ion: 73 Resp: 122255
Ion Ratio Lower Upper
73 100
57 23.4 20.5 30.7





#29
Chloroform
Concen: 10.323 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

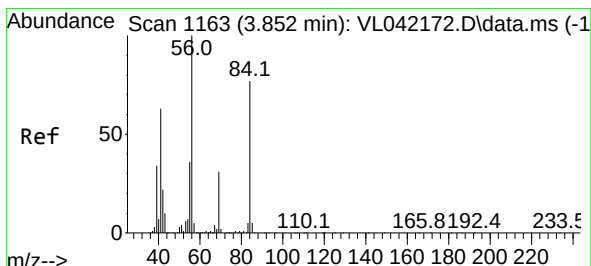
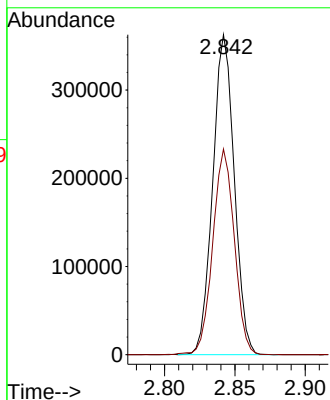
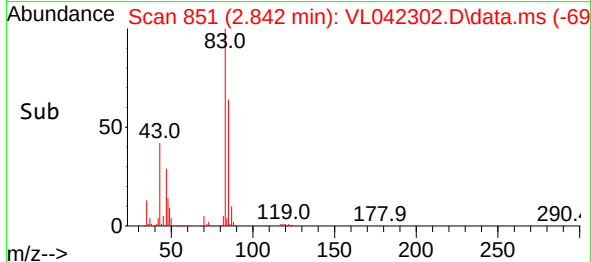
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 83 Resp: 385480
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.2

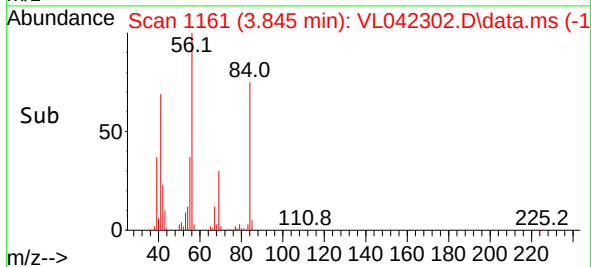
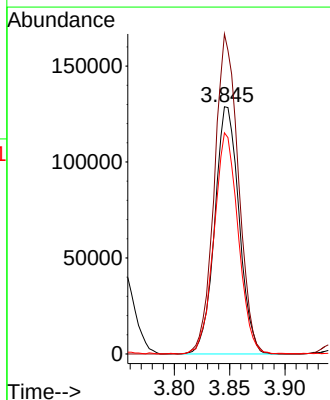
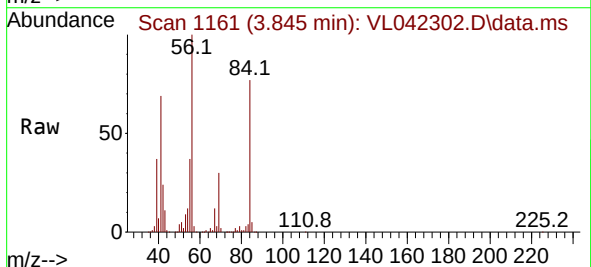
Manual Integrations
APPROVED

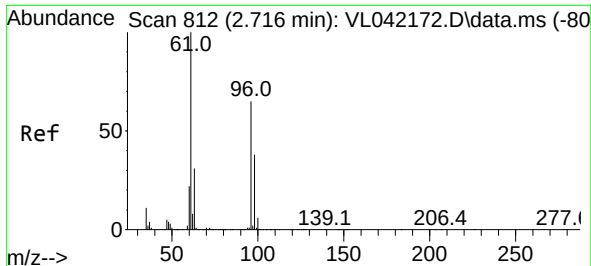
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#30
Cyclohexane
Concen: 8.884 ppbv
RT: 3.845 min Scan# 1161
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

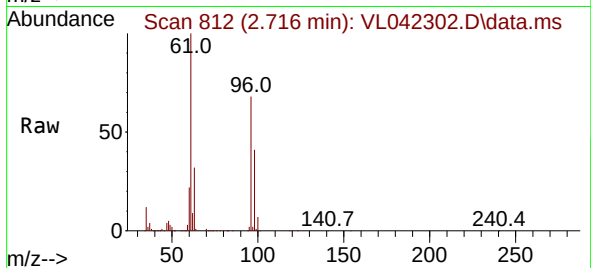
Tgt Ion: 84 Resp: 196837
Ion Ratio Lower Upper
84 100
56 127.9 102.8 154.2
41 89.1 66.5 99.7





#31
 cis-1,2-Dichloroethene
 Concen: 8.996 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

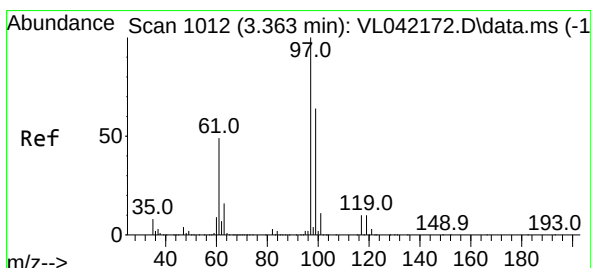
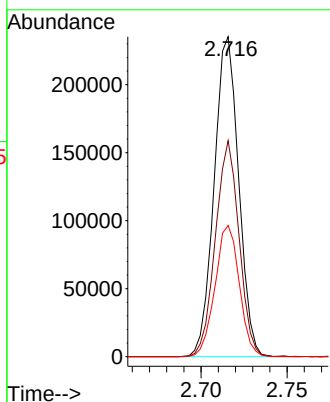
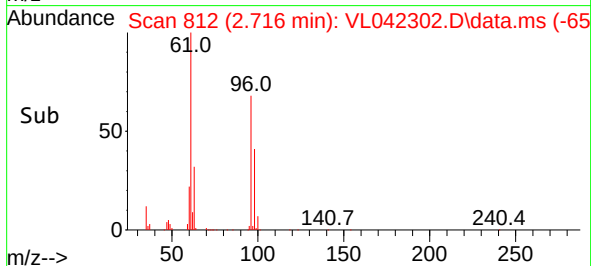
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01



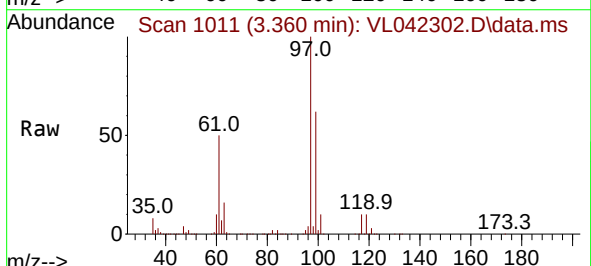
Tgt Ion: 61 Resp: 23304
 Ion Ratio Lower Upper
 61 100
 96 67.5 51.8 77.8
 98 41.0 30.6 46.0

Manual Integrations
 APPROVED

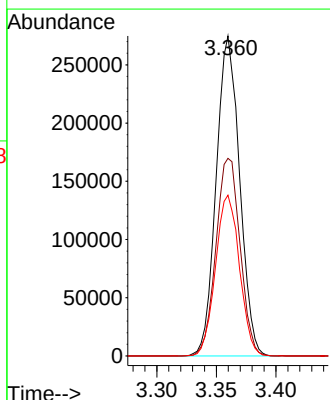
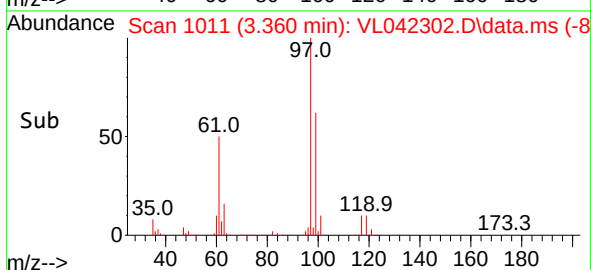
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025

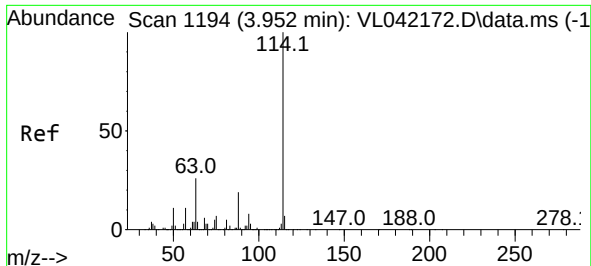


#32
 1,1,1-Trichloroethane
 Concen: 8.777 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05



Tgt Ion: 97 Resp: 375253
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.5 77.3
 61 51.5 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

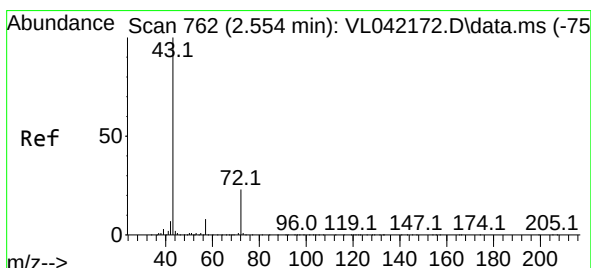
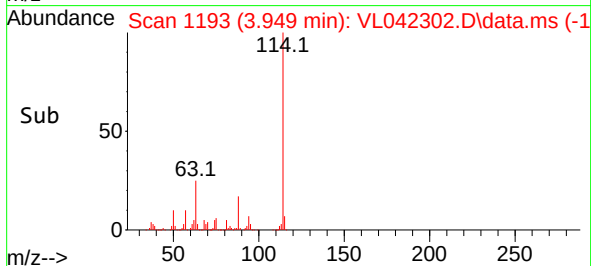
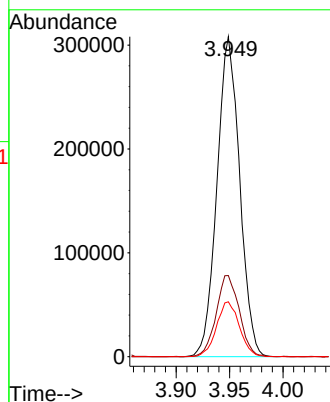
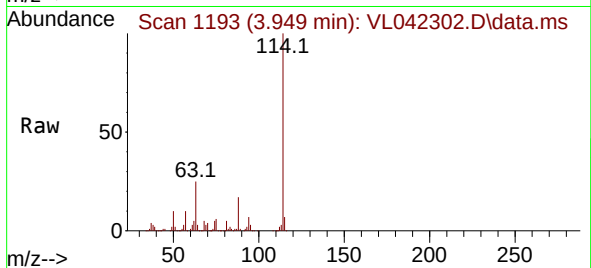
Tgt Ion:	114	Resp:	454728
Ion	Ratio	Lower	Upper
114	100		
63	25.9	20.7	31.1
88	17.3	15.0	22.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#34

2-Butanone

Concen: 11.147 ppbv

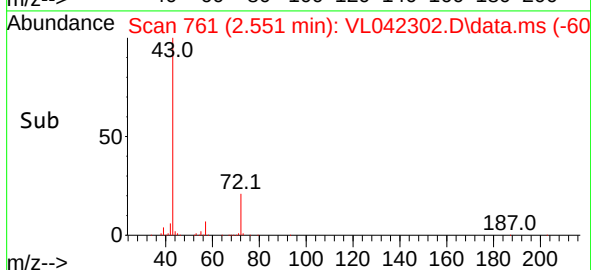
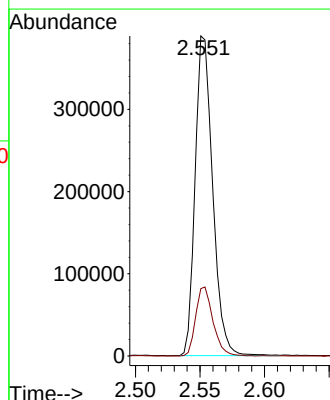
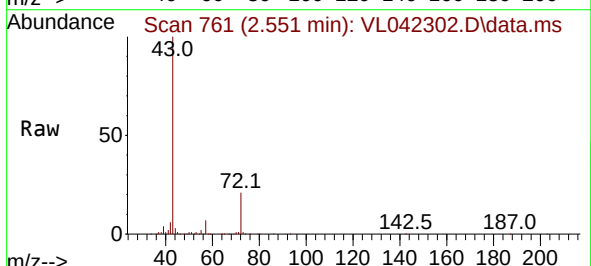
RT: 2.551 min Scan# 761

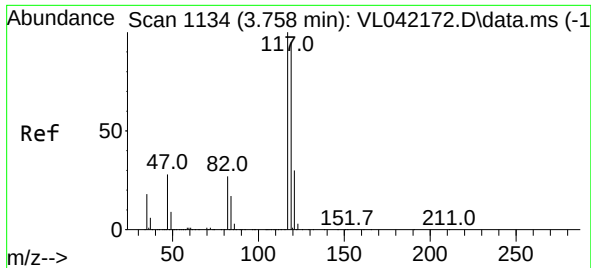
Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

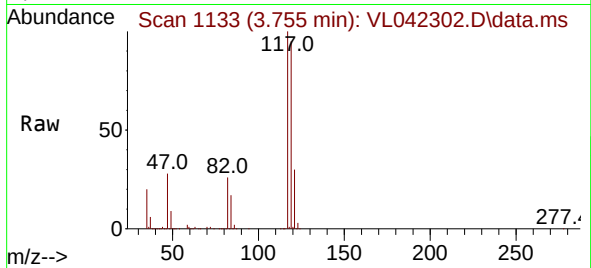
Tgt Ion:	43	Resp:	367560
Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.2	27.2





#35
Carbon Tetrachloride
Concen: 11.041 ppbv
RT: 3.755 min Scan# 1134
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

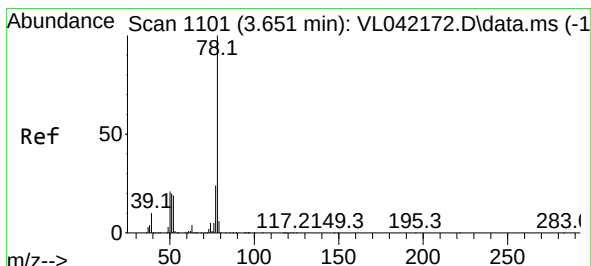
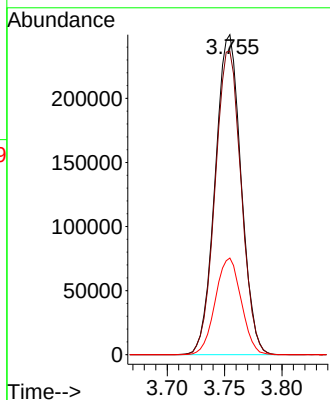
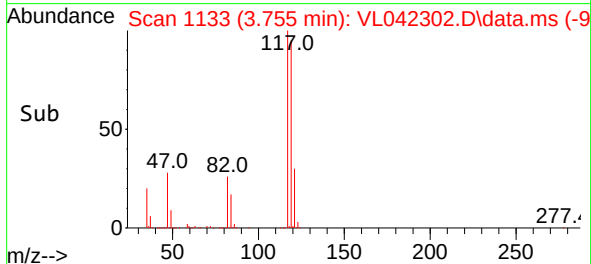
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



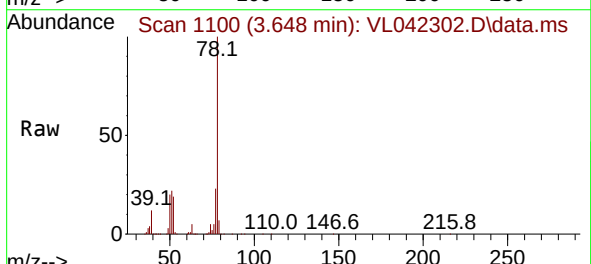
Tgt Ion:117 Resp: 392214
Ion Ratio Lower Upper
117 100
119 94.8 76.2 114.2
121 30.2 24.2 36.4

Manual Integrations
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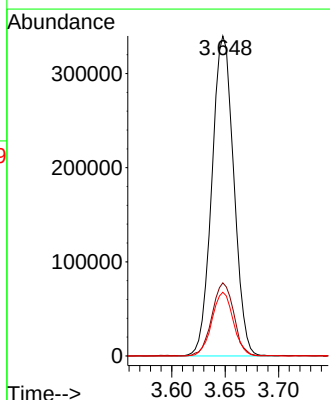
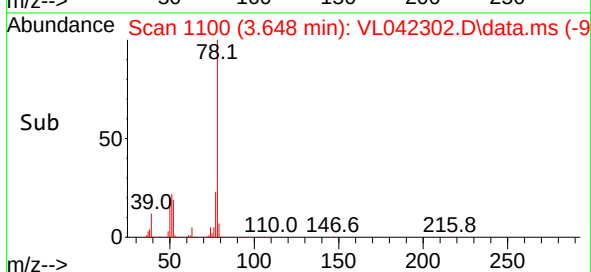
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

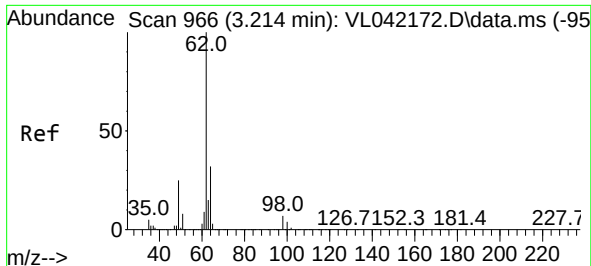


#36
Benzene
Concen: 10.753 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



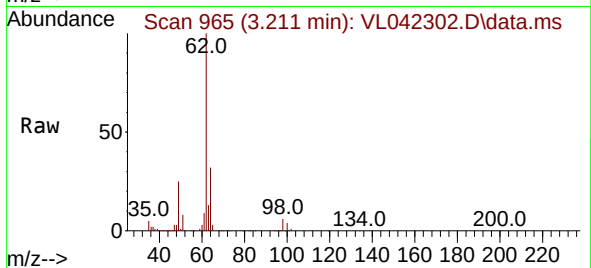
Tgt Ion: 78 Resp: 484758
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7
50 19.9 16.6 24.8





#37
1,2-Dichloroethane
Concen: 11.246 ppbv
RT: 3.211 min Scan# 90
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

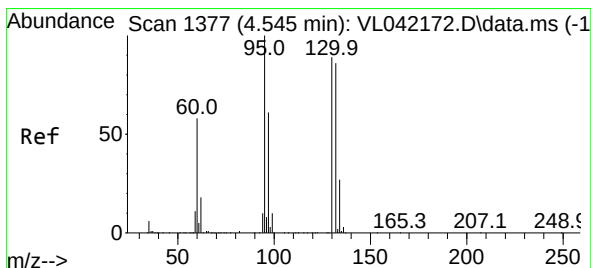
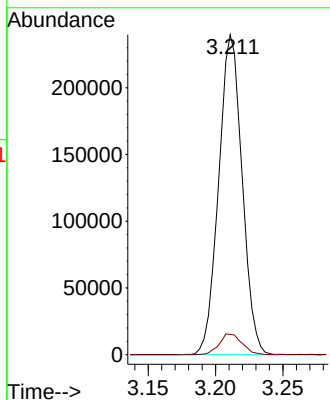
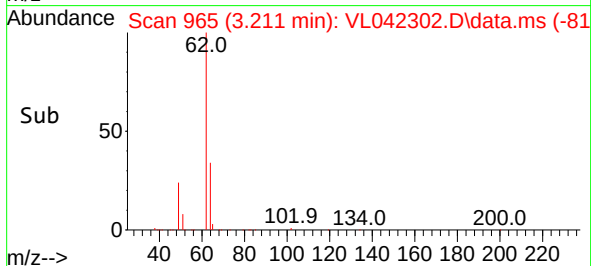
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 62 Resp: 29024
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.2

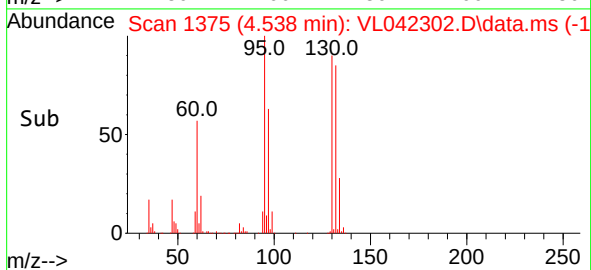
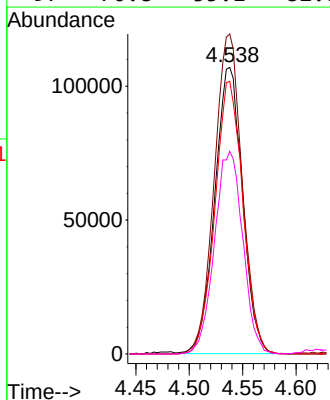
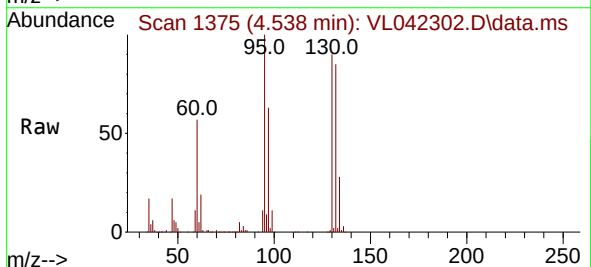
Manual Integrations
APPROVED

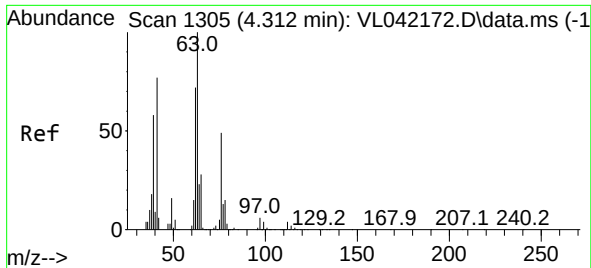
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#38
Trichloroethene
Concen: 10.288 ppbv
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

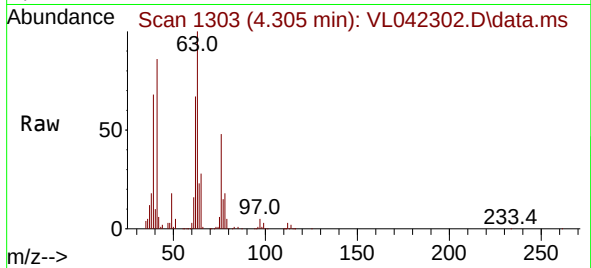
Tgt Ion:130 Resp: 193516
Ion Ratio Lower Upper
130 100
95 111.5 89.8 134.8
132 95.2 77.4 116.2
97 70.8 55.1 82.7





#39
 1,2-Dichloropropane
 Concen: 10.868 ppbv
 RT: 4.305 min Scan# 1303
 Delta R.T. -0.007 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

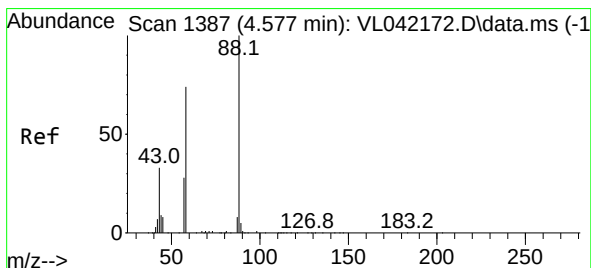
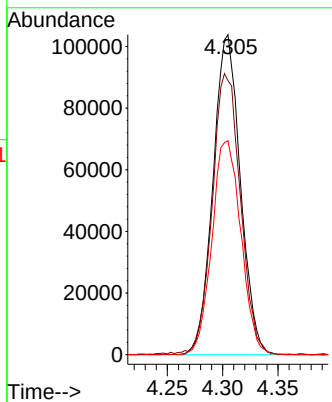
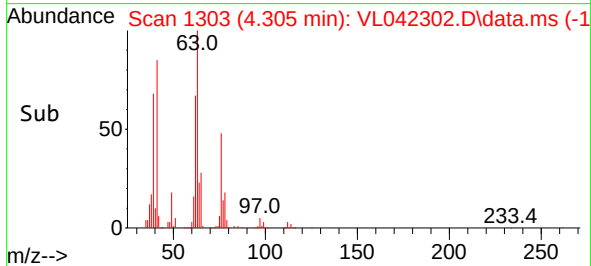
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01



Tgt Ion: 63 Resp: 17842
 Ion Ratio Lower Upper
 63 100
 41 85.5 61.7 92.5
 62 66.8 57.6 86.4

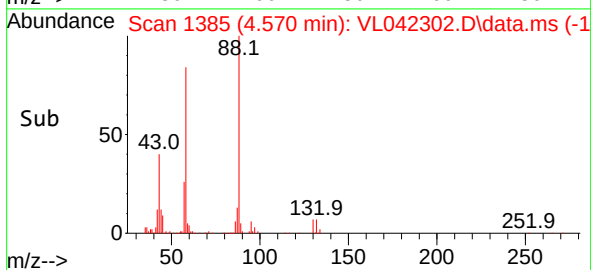
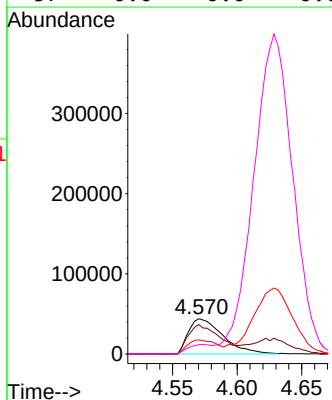
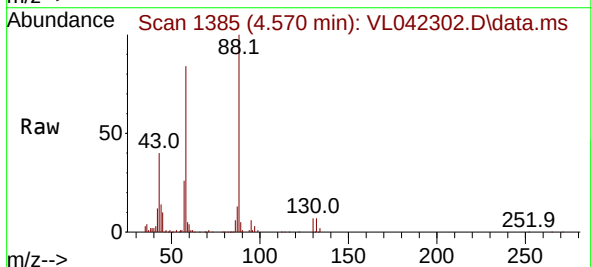
Manual Integrations
 APPROVED

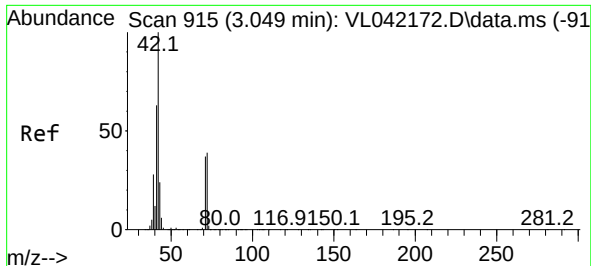
Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025



#40
 1,4-Dioxane
 Concen: 9.378 ppbv
 RT: 4.570 min Scan# 1385
 Delta R.T. -0.007 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

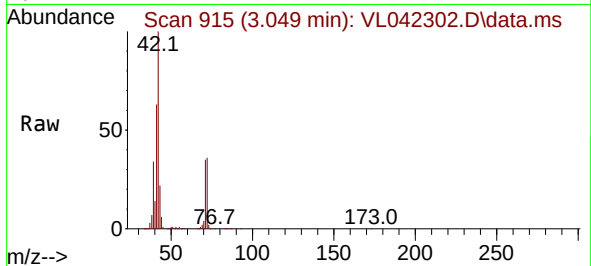
Tgt Ion: 88 Resp: 81717
 Ion Ratio Lower Upper
 88 100
 58 81.4 62.7 94.1
 43 31.4 23.0 34.4
 57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.601 ppbv
RT: 3.049 min Scan# 915
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

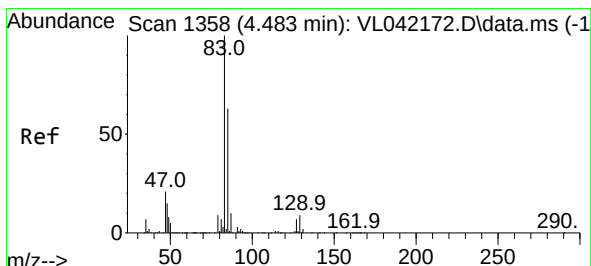
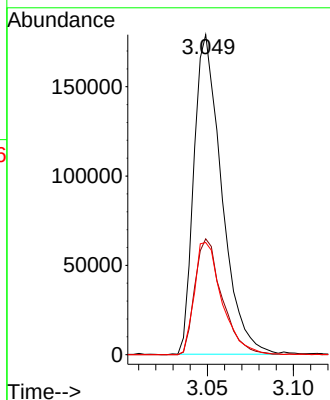
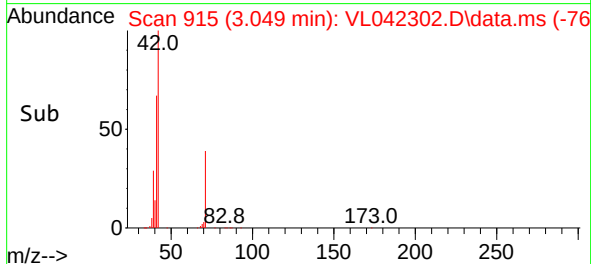
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



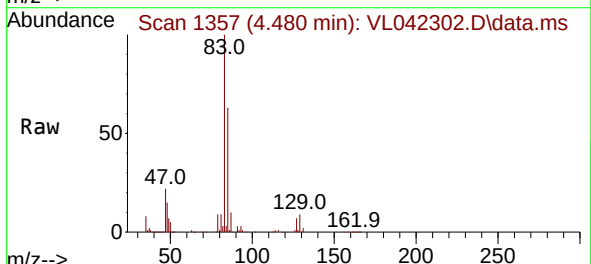
Tgt Ion: 42 Resp: 201295
Ion Ratio Lower Upper
42 100
72 35.7 31.4 47.0
71 35.1 30.2 45.4

Manual Integrations
APPROVED

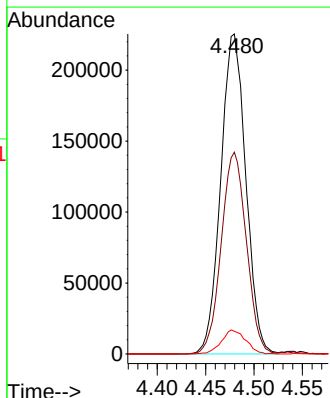
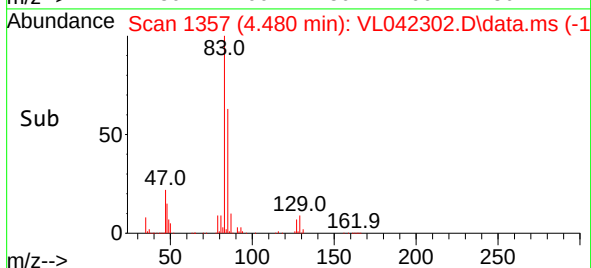
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

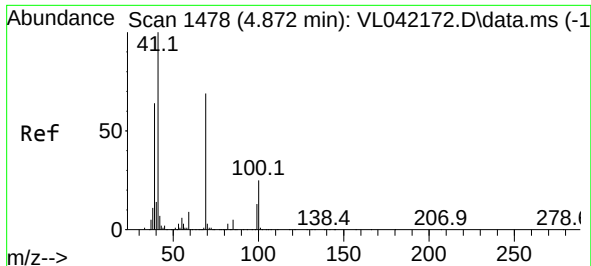


#42
Bromodichloromethane
Concen: 11.416 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



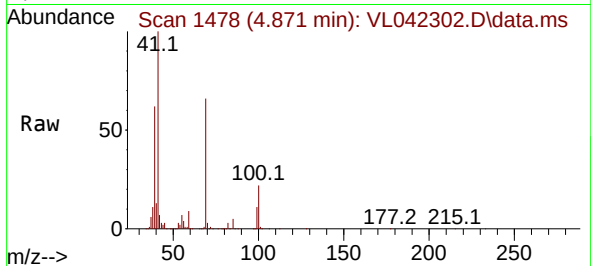
Tgt Ion: 83 Resp: 406194
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7
127 7.1 5.9 8.9





#43
Methyl Methacrylate
Concen: 9.315 ppbv
RT: 4.871 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

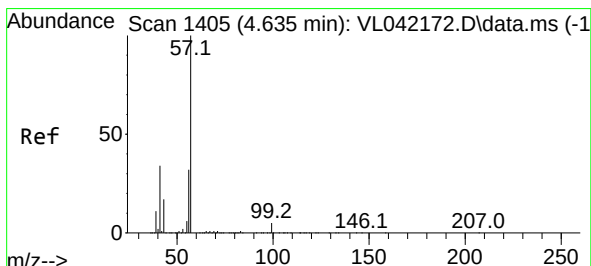
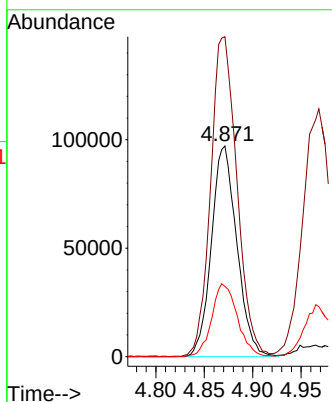
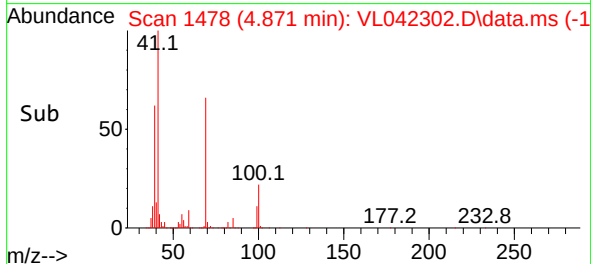
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 69 Resp: 177759
Ion Ratio Lower Upper
69 100
41 156.8 123.8 185.6
100 34.9 28.4 42.6

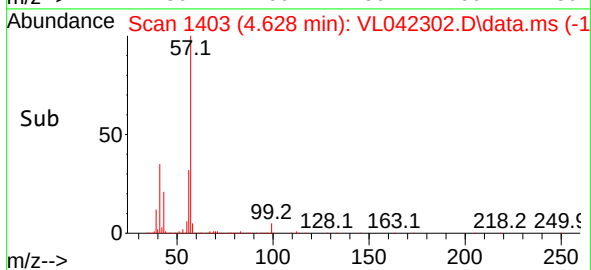
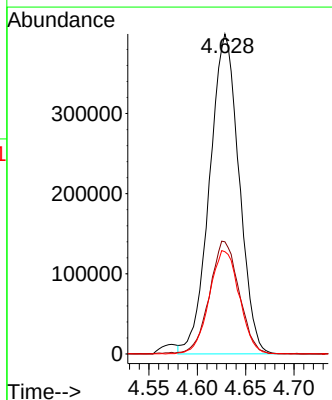
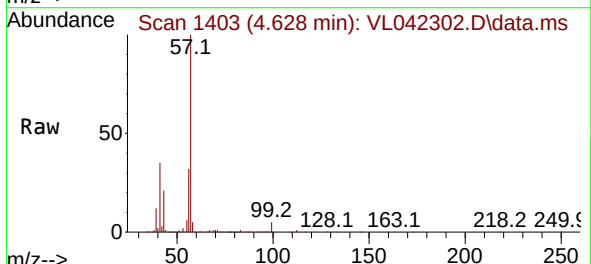
Manual Integrations
APPROVED

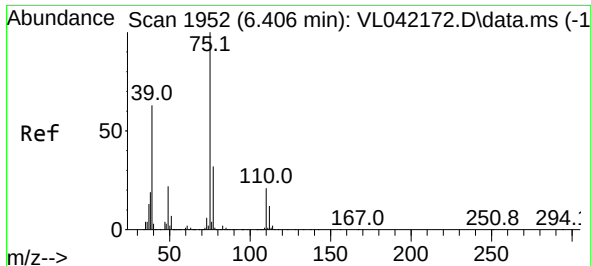
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#44
2,2,4-Trimethylpentane
Concen: 11.080 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

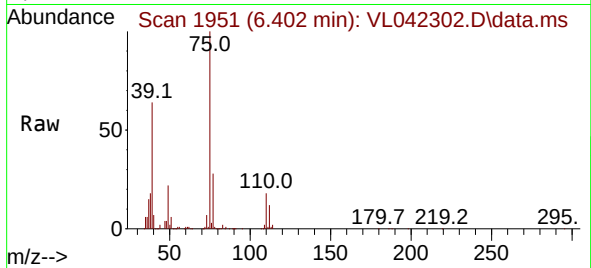
Tgt Ion: 57 Resp: 844094
Ion Ratio Lower Upper
57 100
41 35.3 26.8 40.2
56 33.1 25.6 38.4





#45
t-1,3-Dichloropropene
Concen: 8.215 ppbv
RT: 6.402 min Scan# 1699
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

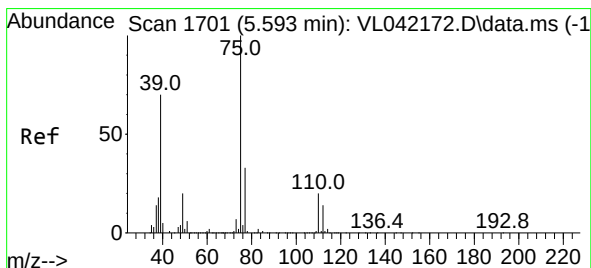
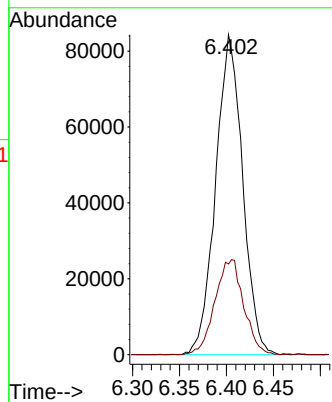
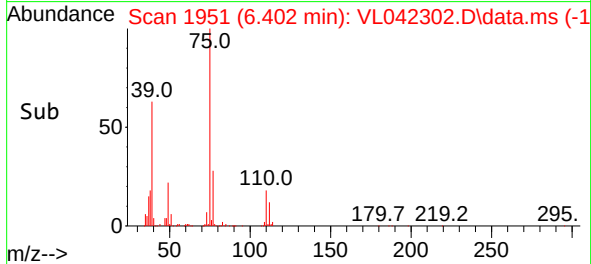
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 75 Resp: 16820
Ion Ratio Lower Upper
75 100
77 28.4 26.0 39.0

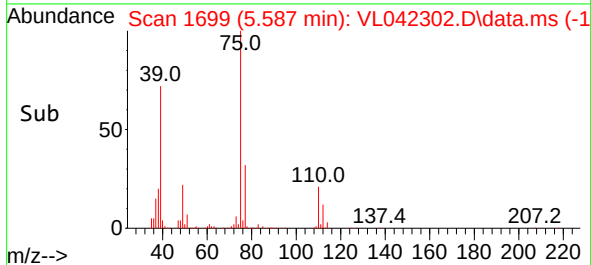
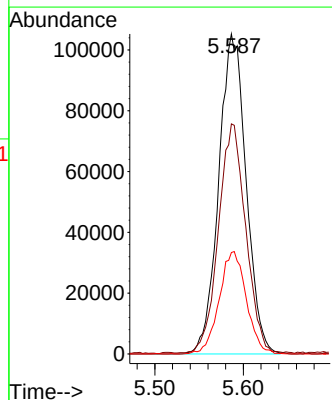
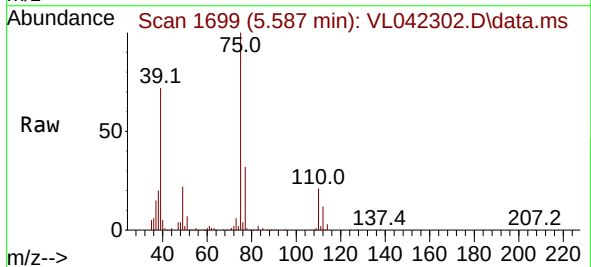
Manual Integrations
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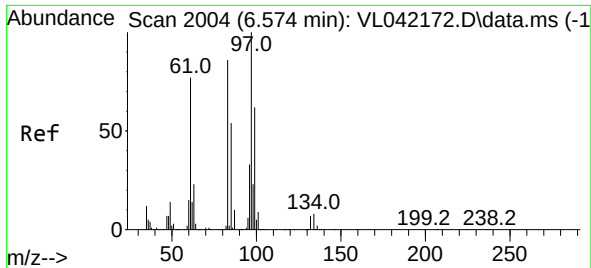
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#46
cis-1,3-Dichloropropene
Concen: 9.016 ppbv
RT: 5.587 min Scan# 1699
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 75 Resp: 226293
Ion Ratio Lower Upper
75 100
39 71.5 55.8 83.6
77 31.7 26.0 39.0





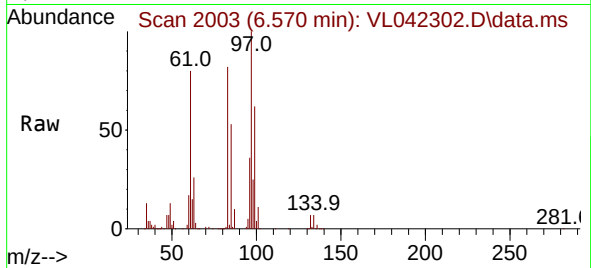
#47
1,1,2-Trichloroethane
Concen: 11.424 ppbv
RT: 6.570 min Scan# 2004
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

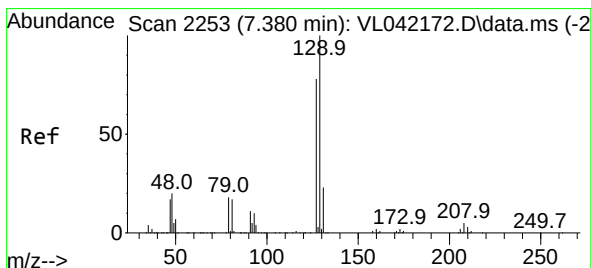
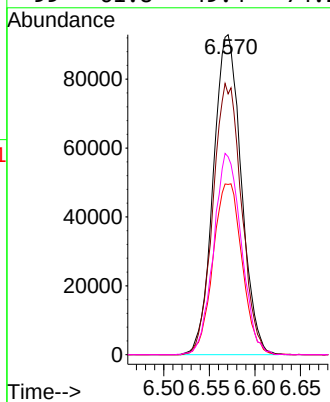
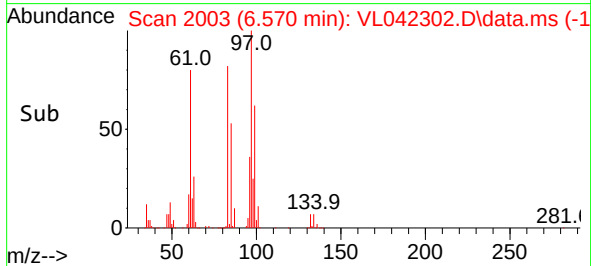


Tgt Ion: 97 Resp: 198260
Ion Ratio Lower Upper
97 100
83 81.5 69.2 103.8
85 53.2 43.1 64.7
99 61.8 49.4 74.2

Manual Integrations

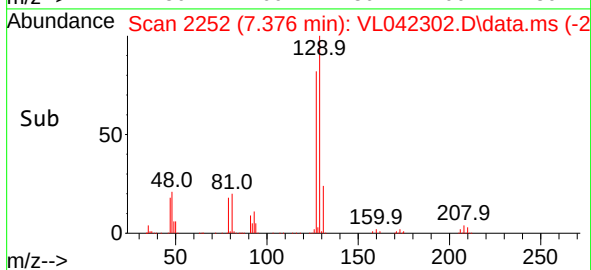
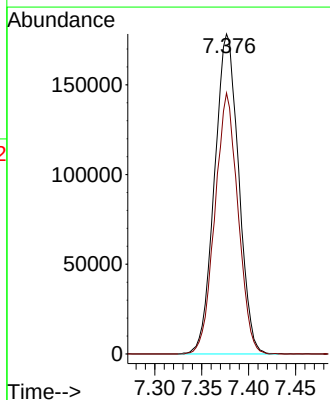
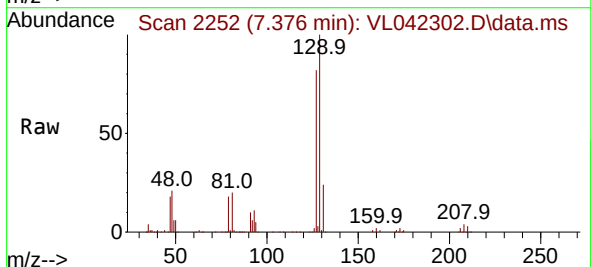
APPROVED

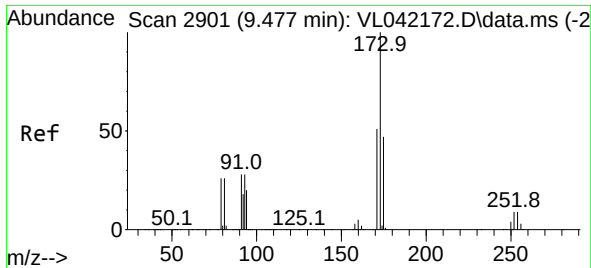
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#48
Dibromochloromethane
Concen: 10.841 ppbv
RT: 7.376 min Scan# 2252
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:129 Resp: 318857
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





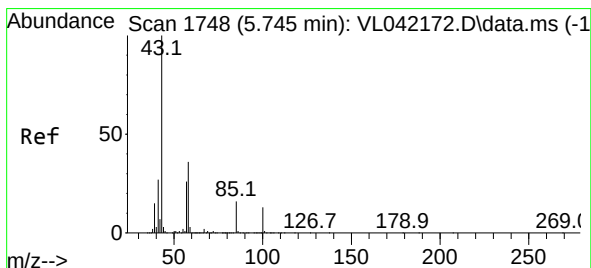
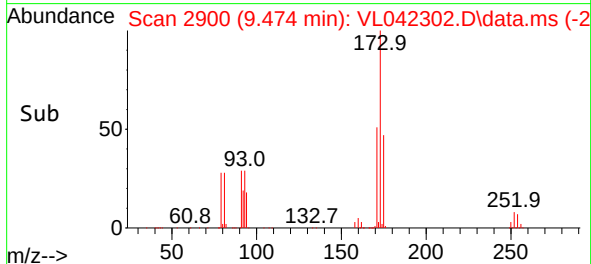
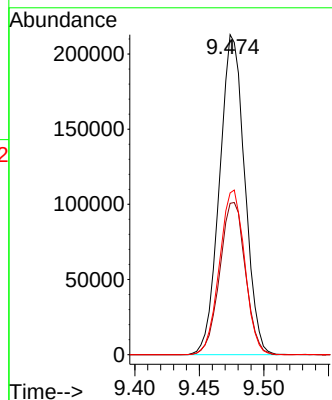
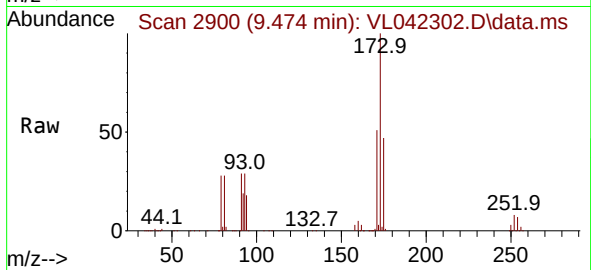
#49
Bromoform
Concen: 10.915 ppbv
RT: 9.474 min Scan# 2901
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Tgt Ion:173 Resp: 28822
Ion Ratio Lower Upper
173 100
175 48.5 38.6 57.8
171 51.5 41.8 62.6

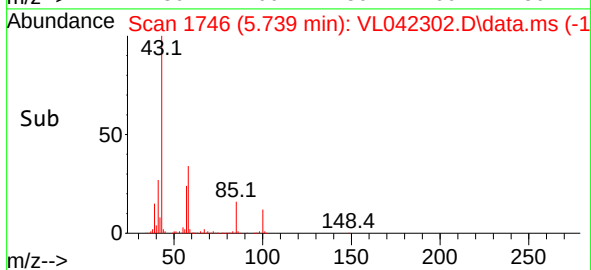
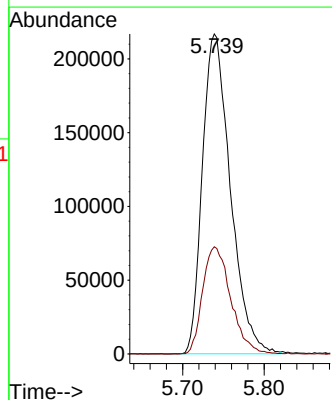
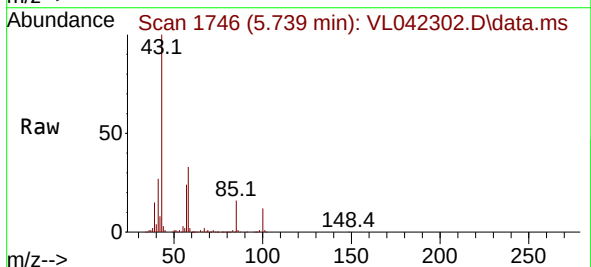
Manual Integrations
APPROVED

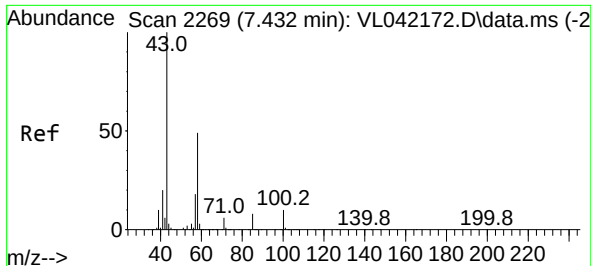
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#50
4-Methyl-2-Pentanone
Concen: 9.913 ppbv
RT: 5.739 min Scan# 1746
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

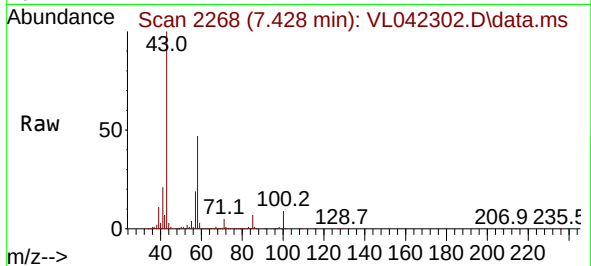
Tgt Ion: 43 Resp: 518035
Ion Ratio Lower Upper
43 100
58 33.7 29.0 43.6





#51
2-Hexanone
Concen: 9.664 ppbv
RT: 7.428 min Scan# 2111
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

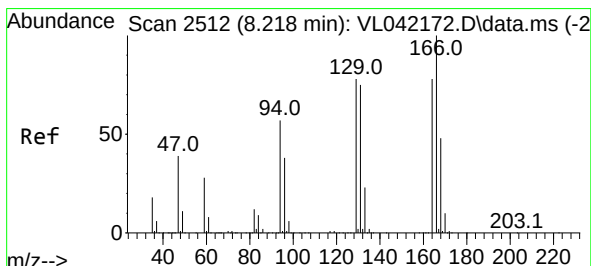
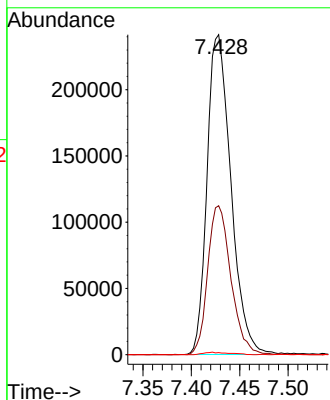
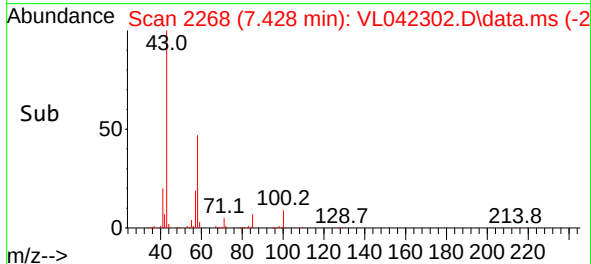
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion: 43 Resp: 41470
Ion Ratio Lower Upper
43 100
58 45.4 39.7 59.5
98 0.9 0.1 0.1

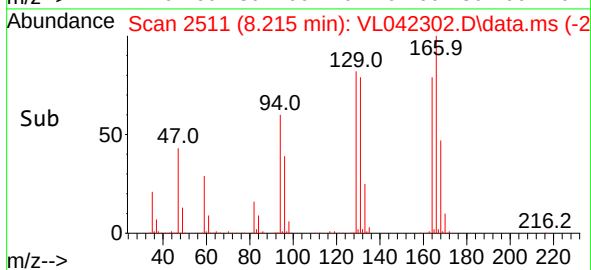
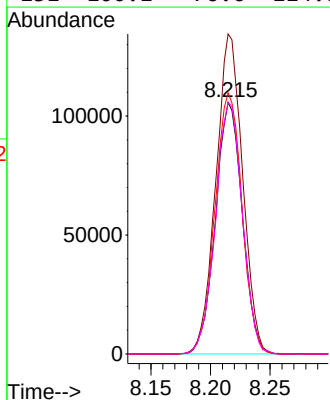
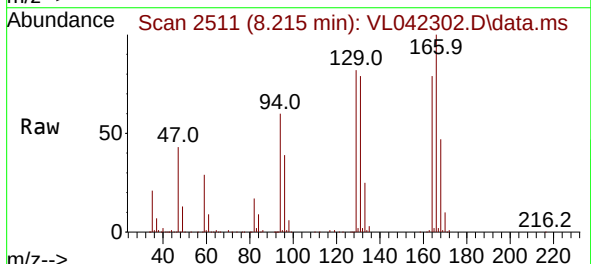
Manual Integrations
APPROVED

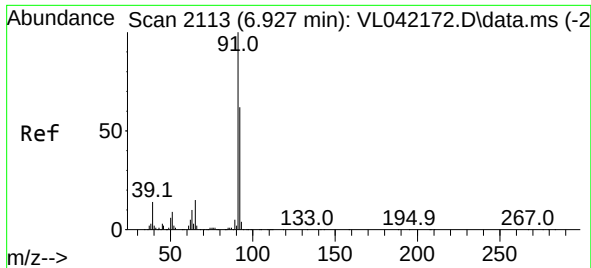
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#52
Tetrachloroethene
Concen: 9.248 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:164 Resp: 165334
Ion Ratio Lower Upper
164 100
166 127.2 102.5 153.7
129 103.8 79.8 119.8
131 100.1 76.6 114.8





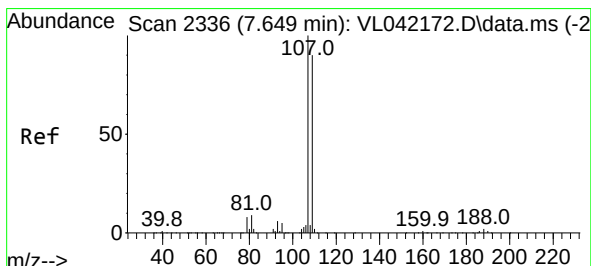
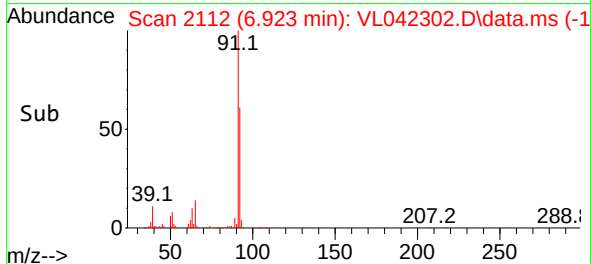
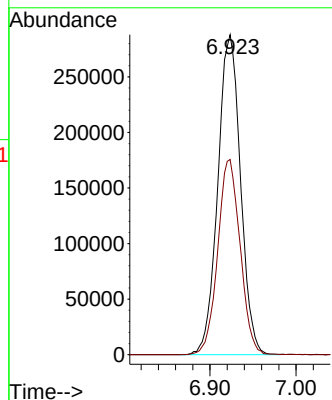
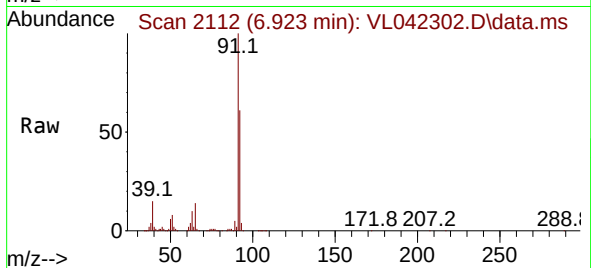
#53
Toluene
Concen: 9.877 ppbv
RT: 6.923 min Scan# 2113
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Tgt Ion: 91 Resp: 52783
Ion Ratio Lower Upper
91 100
92 60.3 48.4 72.6

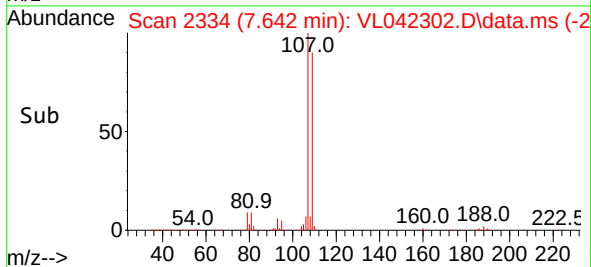
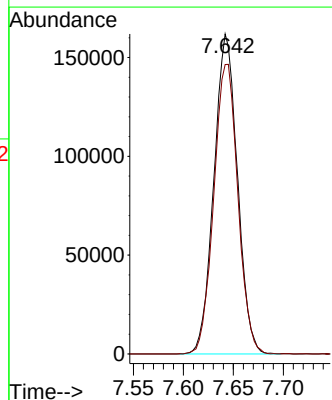
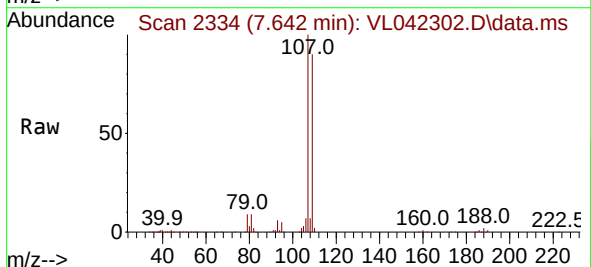
Manual Integrations
APPROVED

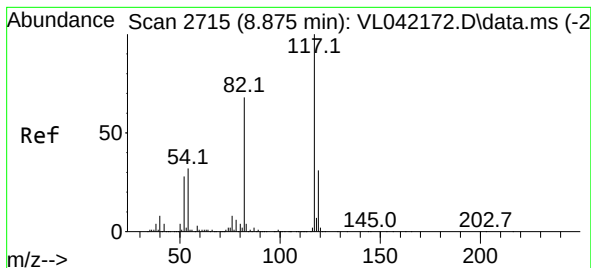
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#54
1,2-Dibromoethane
Concen: 10.958 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.007 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:107 Resp: 265105
Ion Ratio Lower Upper
107 100
109 90.4 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.872 min Scan# 2715

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

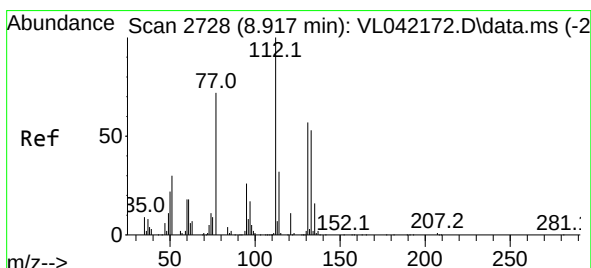
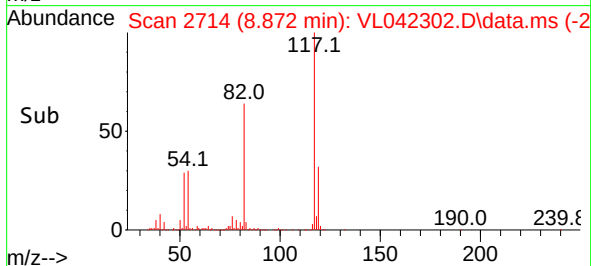
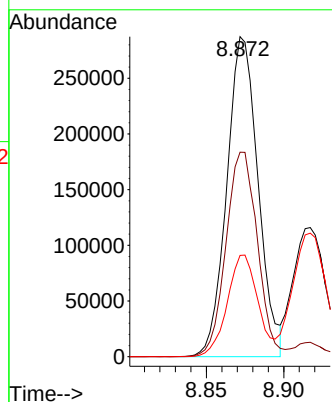
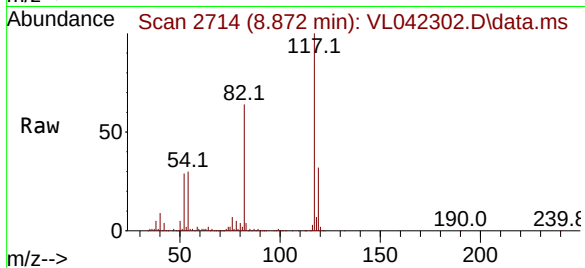
VL0410ABS01

Tgt Ion:	117	Resp:	404669
Ion	Ratio	Lower	Upper
117	100		
82	68.4	55.8	83.6
119	30.5	25.5	38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 12.088 ppbv

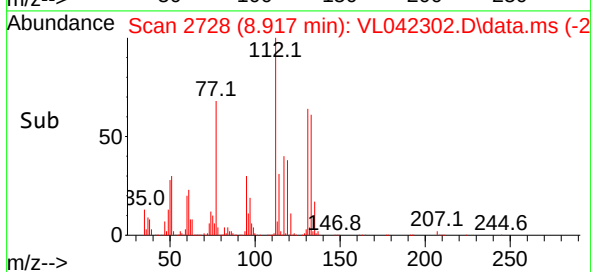
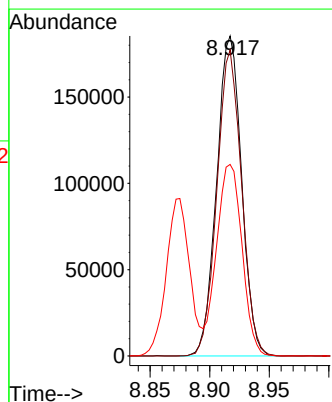
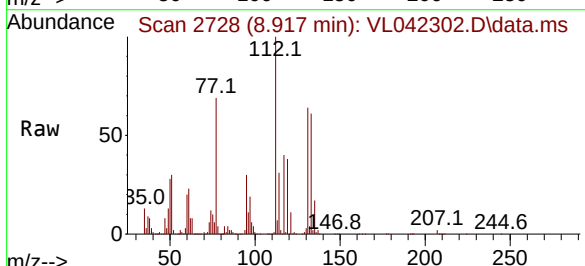
RT: 8.917 min Scan# 2728

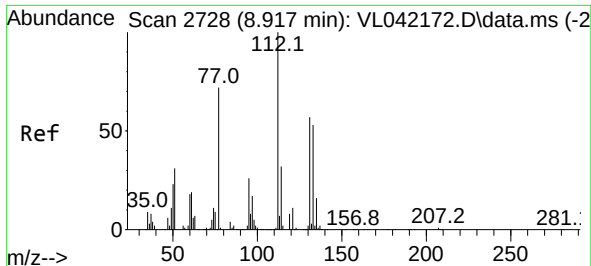
Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

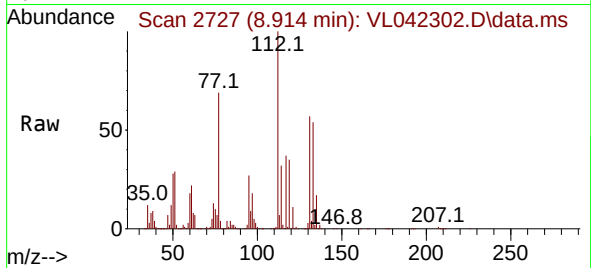
Tgt Ion:	131	Resp:	269261
Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.6	114.8
119	62.3	49.8	74.6





#57
Chlorobenzene
Concen: 11.805 ppbv
RT: 8.914 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

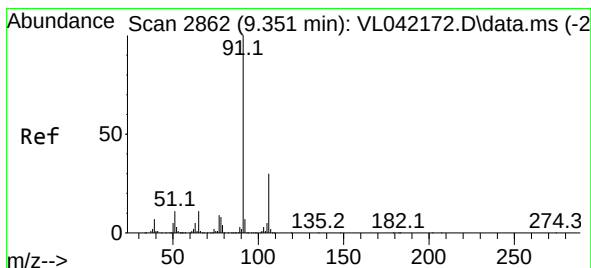
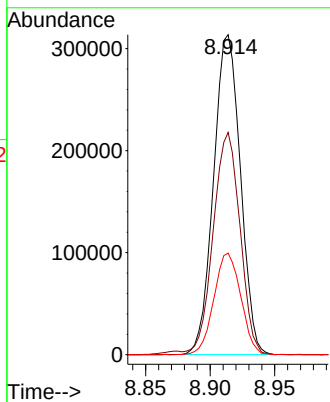
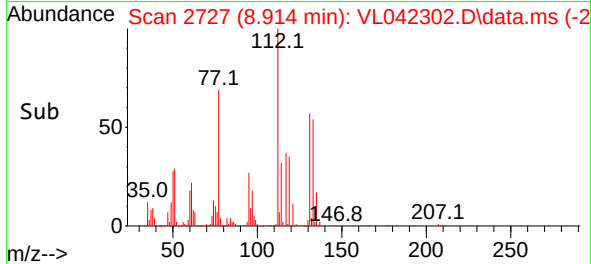
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



Tgt Ion:112 Resp: 45313
Ion Ratio Lower Upper
112 100
77 69.5 58.2 87.2
114 31.7 29.1 35.5

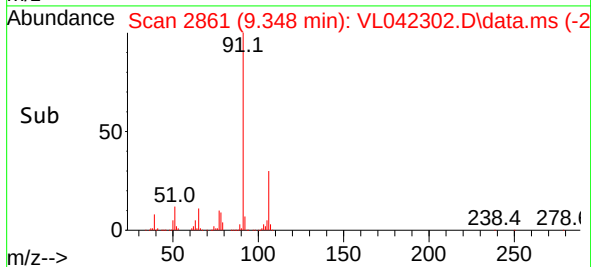
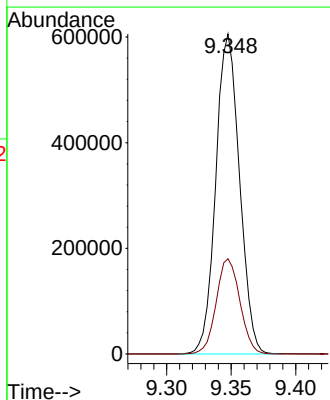
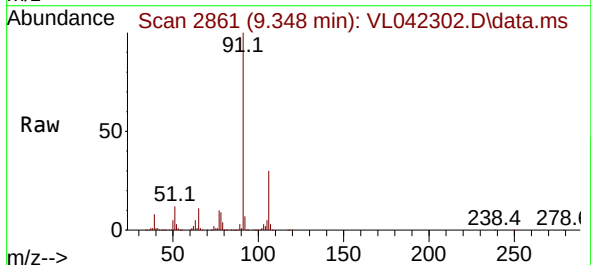
Manual Integrations
APPROVED

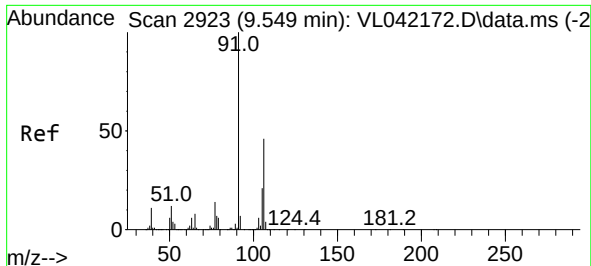
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#58
Ethyl Benzene
Concen: 10.761 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion: 91 Resp: 773516
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.2





#59

m/p-Xylene

Concen: 22.929 ppbv m

RT: 9.542 min Scan# 2923

Delta R.T. -0.007 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

Tgt Ion: 91 Resp: 131602

Ion Ratio Lower Upper

91 100

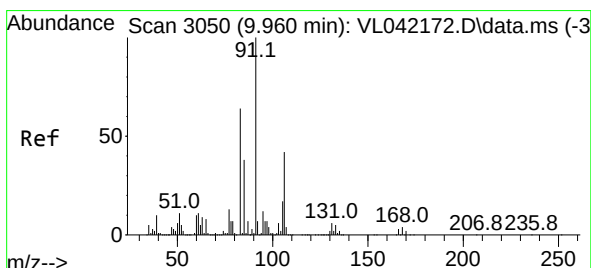
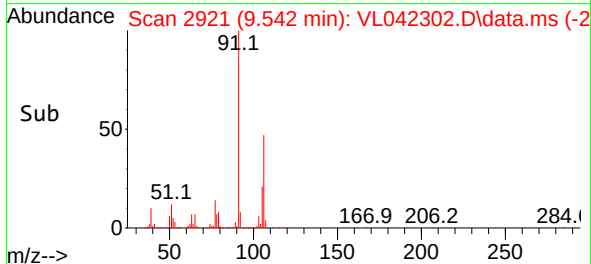
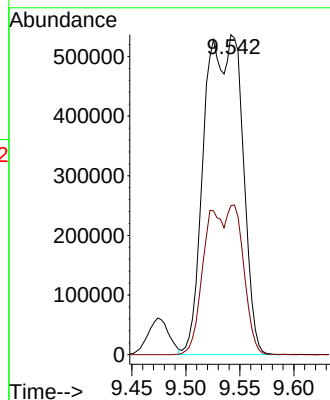
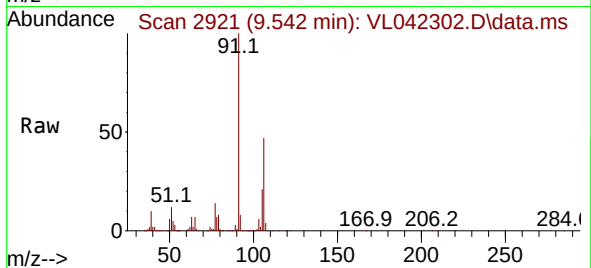
106 46.5 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#60

o-Xylene

Concen: 11.404 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.004 min

Lab File: VL042302.D

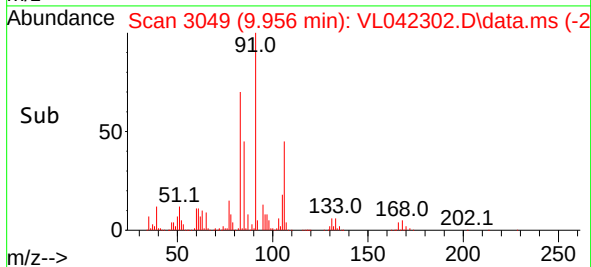
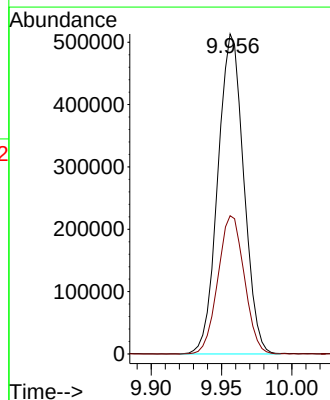
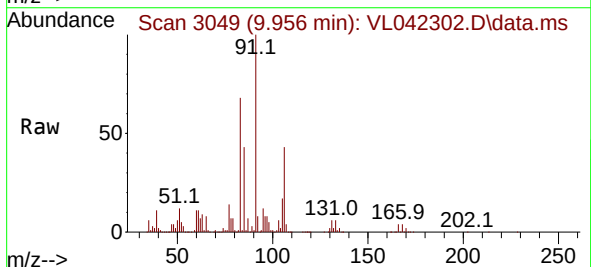
Acq: 10 Apr 2025 11:05

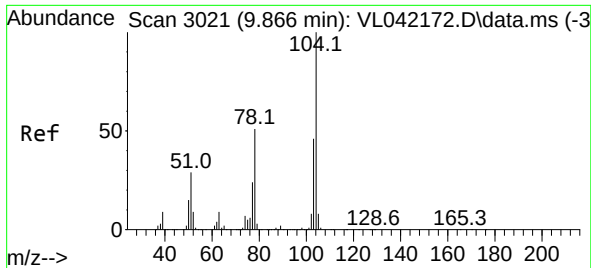
Tgt Ion: 91 Resp: 656144

Ion Ratio Lower Upper

91 100

106 44.0 20.8 62.5





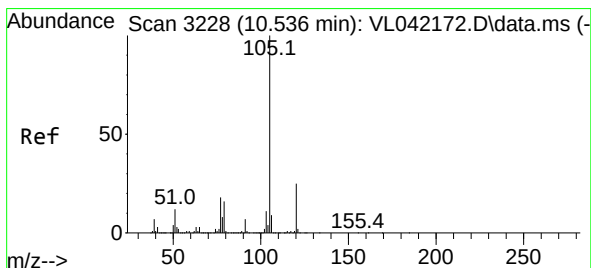
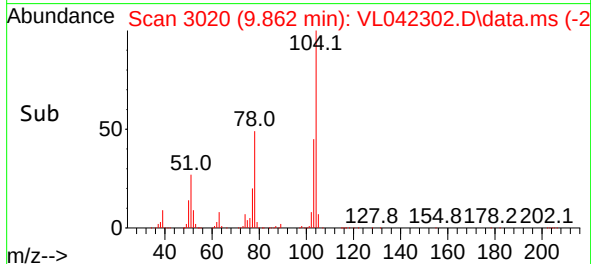
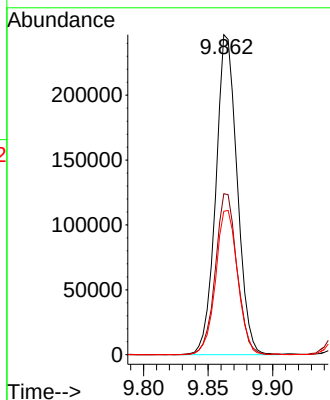
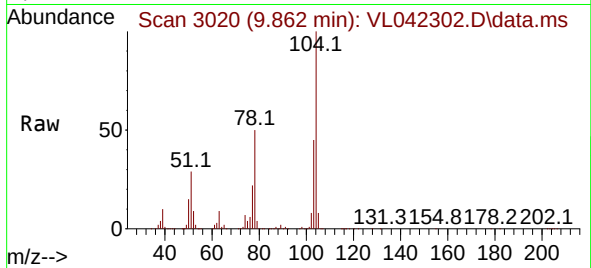
#61
Styrene
Concen: 9.968 ppbv
RT: 9.862 min Scan# 3021
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument : MSVOA_L
ClientSampleId : VL0410ABS01

Tgt Ion:104 Resp: 283752
Ion Ratio Lower Upper
104 100
78 51.0 41.8 62.6
103 46.7 37.0 55.4

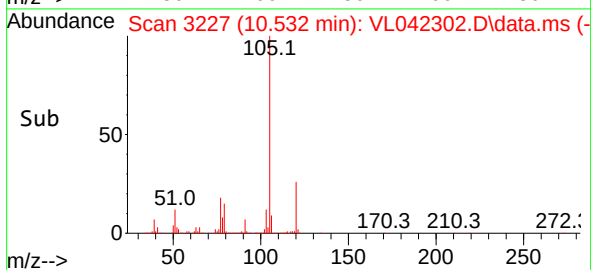
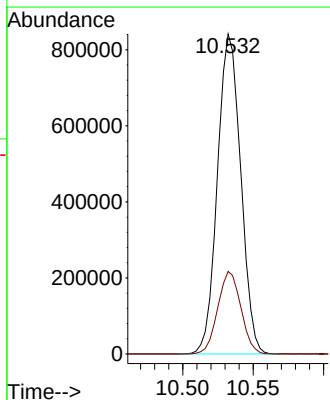
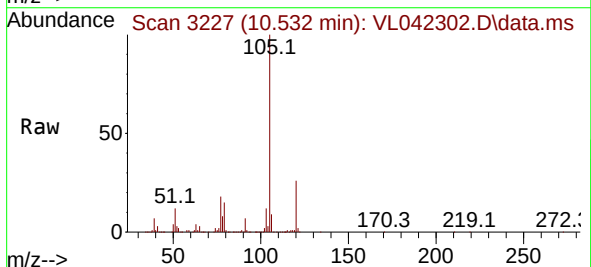
Manual Integrations
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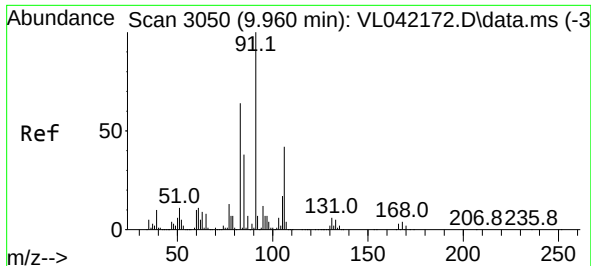
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#62
Isopropylbenzene
Concen: 11.254 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

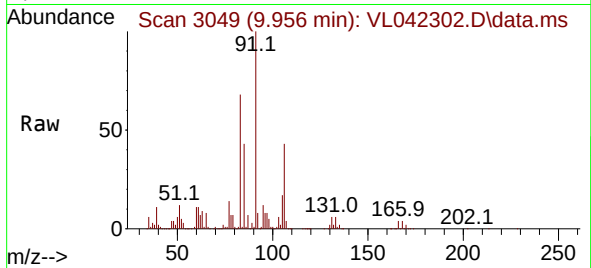
Tgt Ion:105 Resp: 968339
Ion Ratio Lower Upper
105 100
120 25.6 19.9 29.9





#63
1,1,2,2-Tetrachloroethane
Concen: 12.523 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

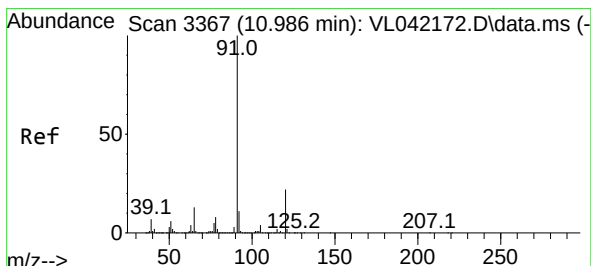
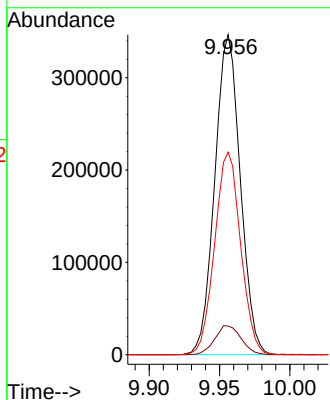
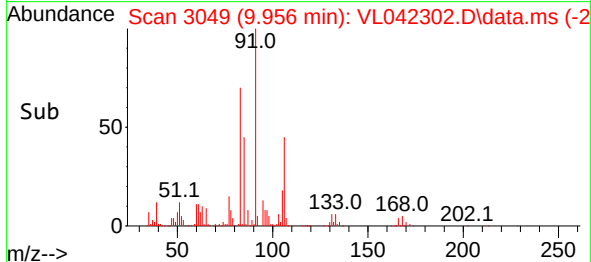
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



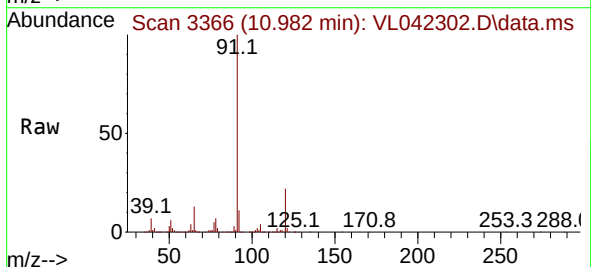
Tgt Ion: 83 Resp: 437804
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 64.3 32.5 97.5

Manual Integrations
APPROVED

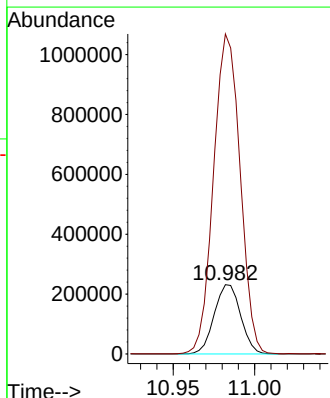
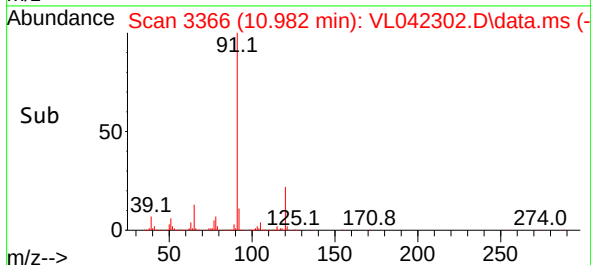
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

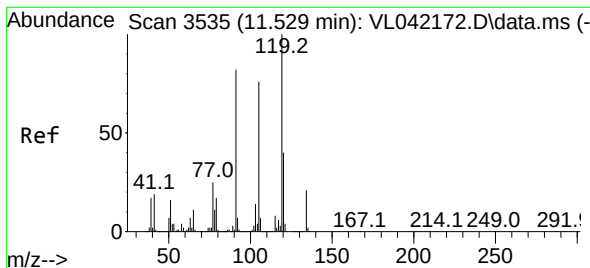


#64
n-propylbenzene
Concen: 11.743 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



Tgt Ion:120 Resp: 260101
Ion Ratio Lower Upper
120 100
91 466.4 376.9 565.3





#65

tert-Butylbenzene

Concen: 11.197 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

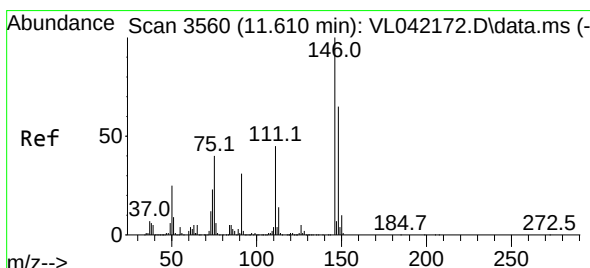
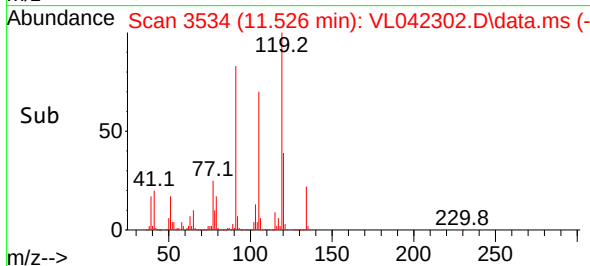
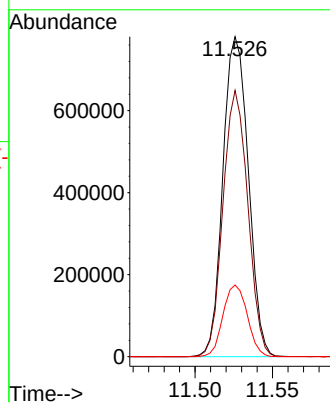
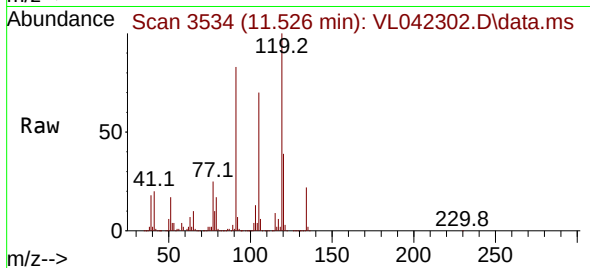
Tgt Ion: 119 Resp: 891000

Ion	Ratio	Lower	Upper
119	100		
91	81.4	66.0	99.0
134	21.4	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#66

Benzyl Chloride

Concen: 7.943 ppbv

RT: 11.610 min Scan# 3560

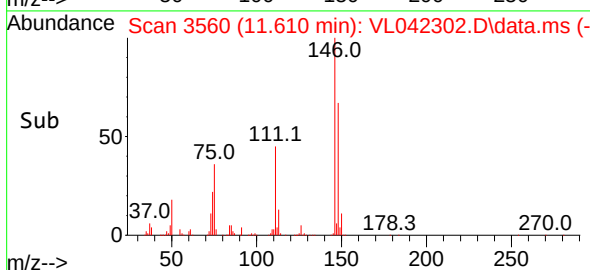
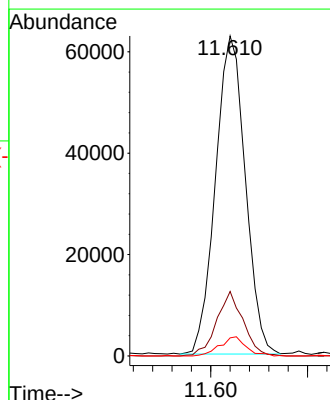
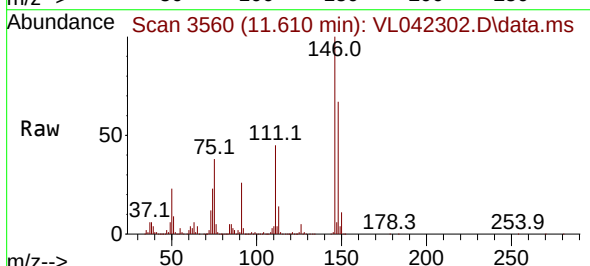
Delta R.T. -0.000 min

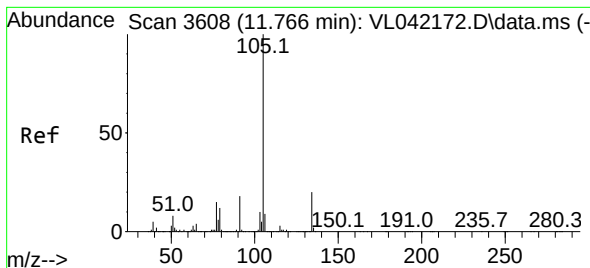
Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Tgt Ion: 91 Resp: 67064

Ion	Ratio	Lower	Upper
91	100		
126	18.0	13.8	20.6
128	5.3	4.5	6.7





#67

sec-Butylbenzene

Concen: 11.452 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.004 min

Lab File: VL042302.D

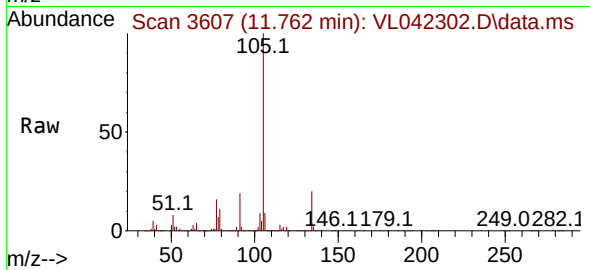
Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01



Tgt Ion:105 Resp: 1266690

Ion Ratio Lower Upper

105 100

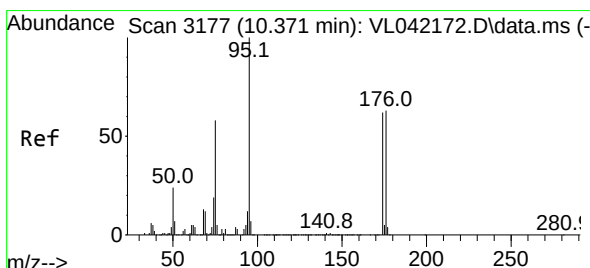
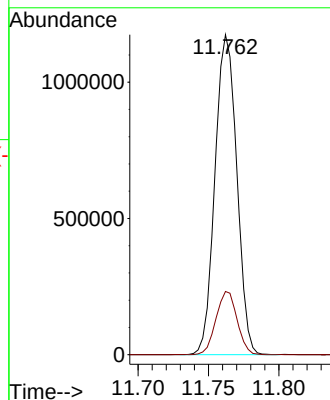
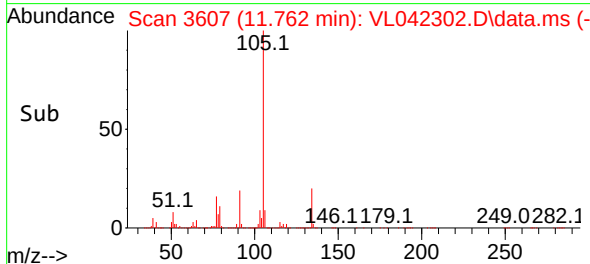
134 19.1 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.865 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

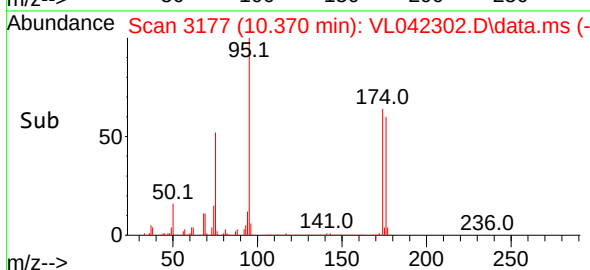
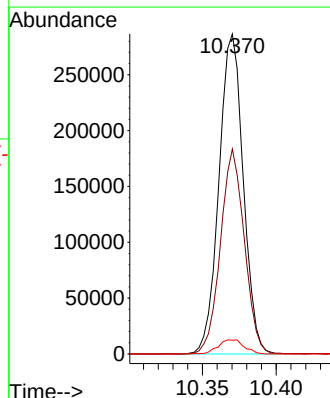
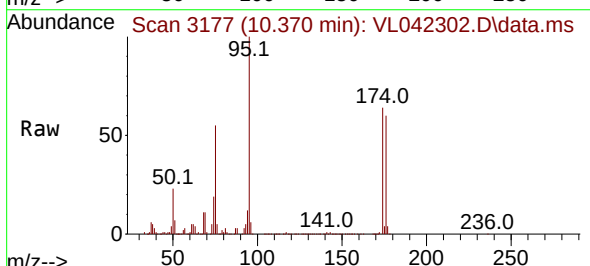
Tgt Ion: 95 Resp: 327827

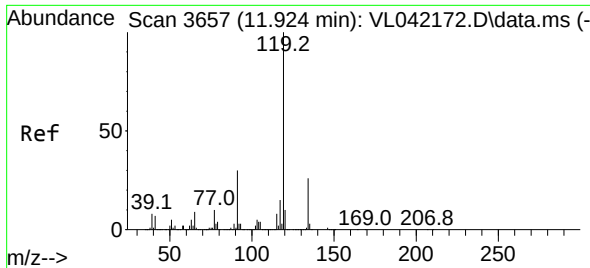
Ion Ratio Lower Upper

95 100

174 63.2 50.6 76.0

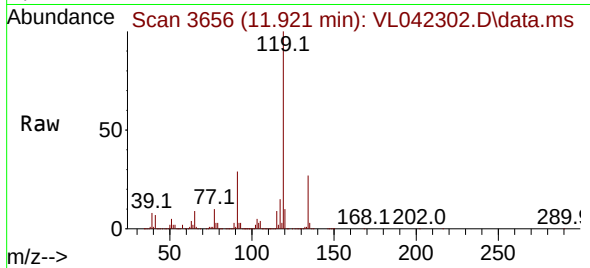
175 4.8 3.8 5.6





#69
p-Isopropyltoluene
Concen: 11.183 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

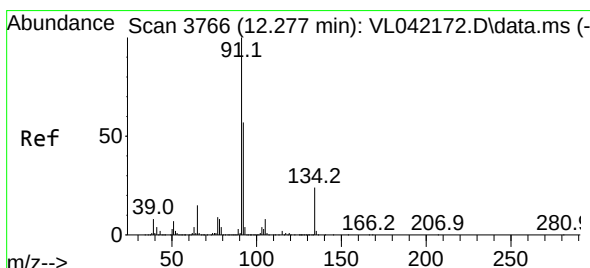
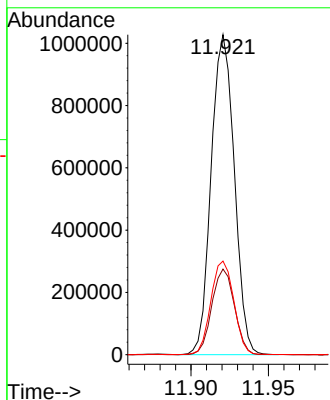
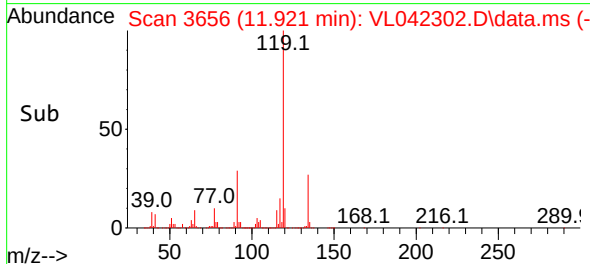
Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01



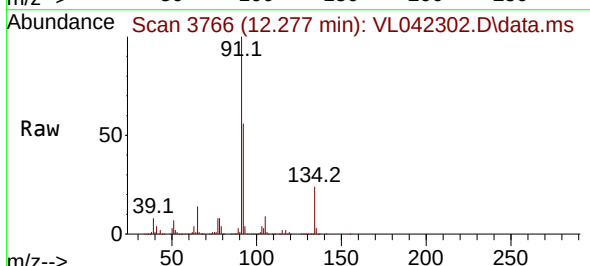
Tgt Ion: 119 Resp: 106511
Ion Ratio Lower Upper
119 100
134 26.3 20.4 30.6
91 29.2 23.7 35.5

Manual Integrations
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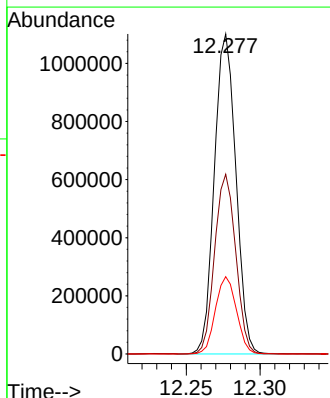
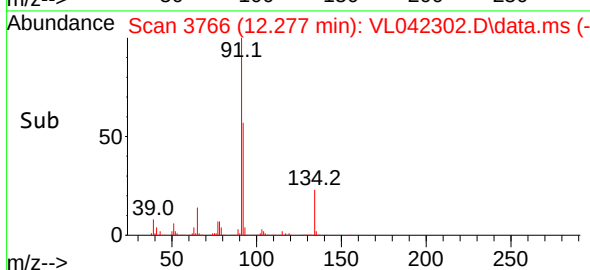
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025

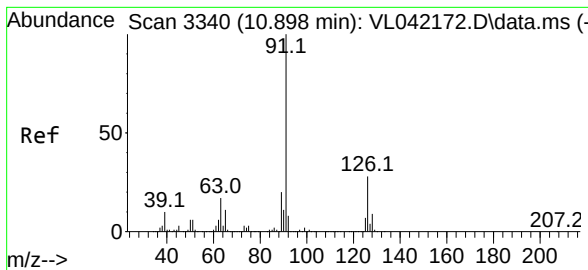


#70
n-Butylbenzene
Concen: 11.471 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05



Tgt Ion: 91 Resp: 1117359
Ion Ratio Lower Upper
91 100
92 55.2 44.9 67.3
134 23.6 19.2 28.8





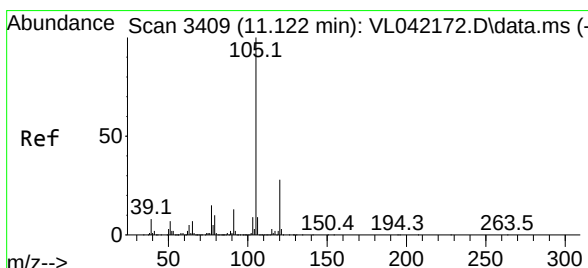
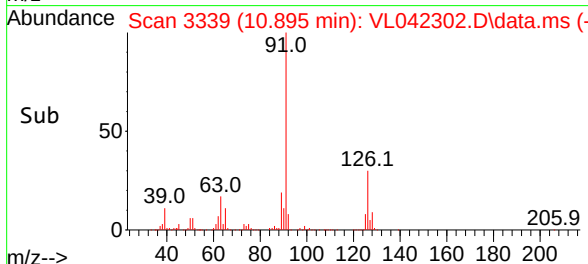
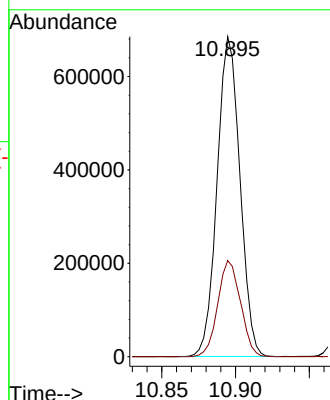
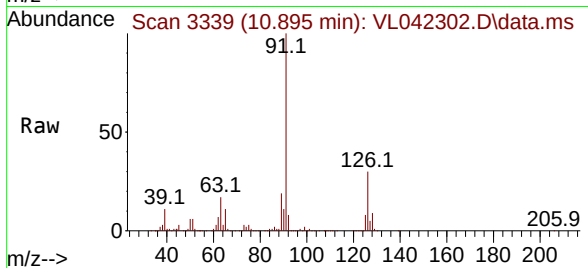
#71
2-Chlorotoluene
Concen: 11.057 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Tgt Ion: 91 Resp: 738389
Ion Ratio Lower Upper
91 100
126 29.9 11.6 46.4

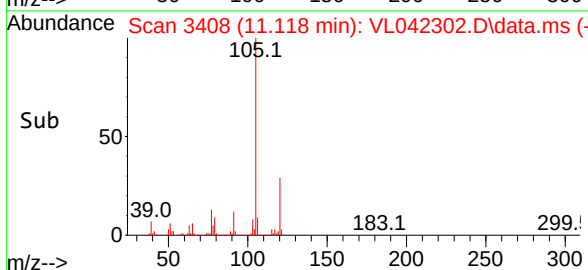
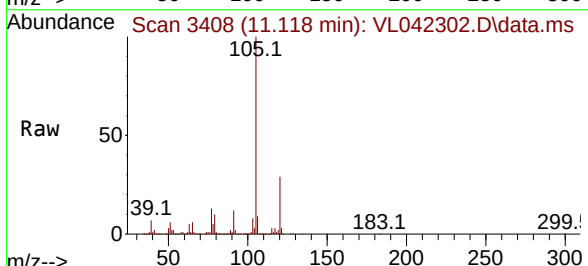
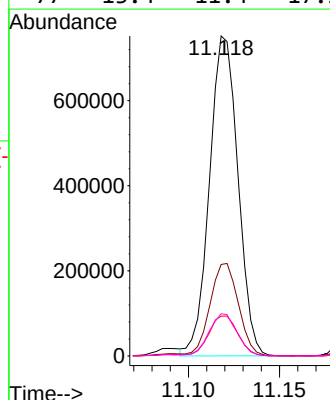
Manual Integrations
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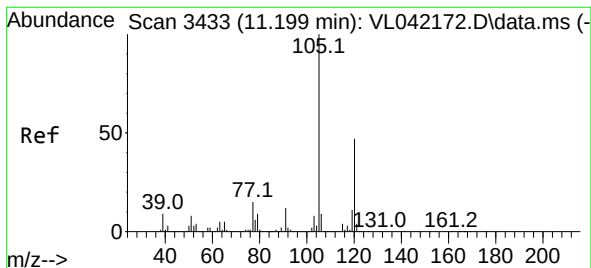
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#72
4-Ethyltoluene
Concen: 11.431 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.004 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:105 Resp: 818929
Ion Ratio Lower Upper
105 100
120 29.5 23.4 35.0
91 13.3 10.3 15.5
77 13.4 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 11.273 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

Tgt Ion:105 Resp: 705360

Ion Ratio Lower Upper

105 100

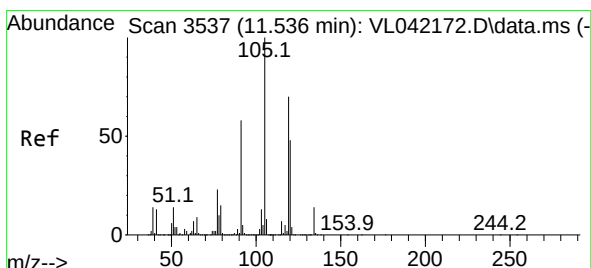
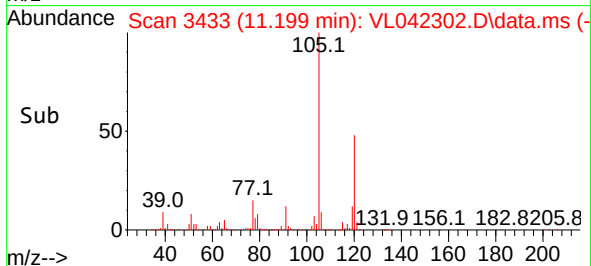
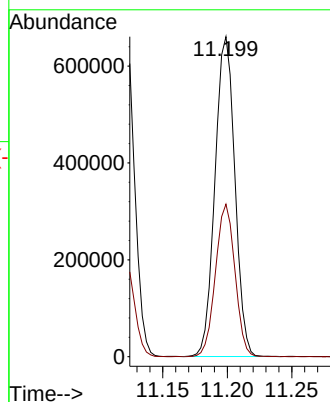
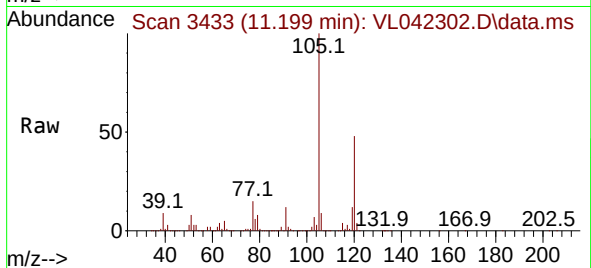
120 47.7 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025

Supervised By :Mahesh Dadoda 04/11/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.112 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Tgt Ion:105 Resp: 800991

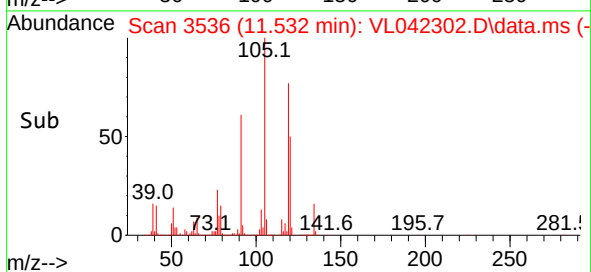
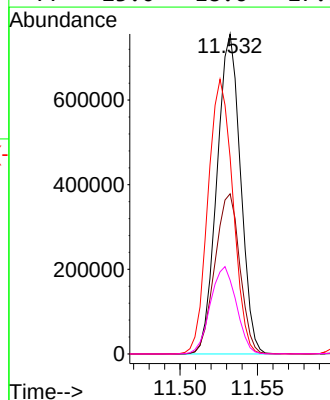
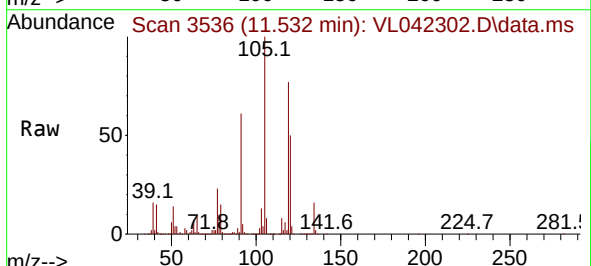
Ion Ratio Lower Upper

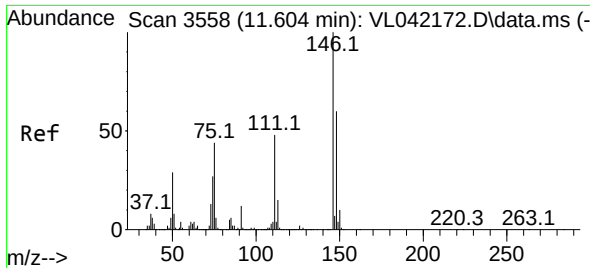
105 100

120 50.1 38.6 58.0

91 61.4 46.2 69.2

77 23.0 18.6 27.8





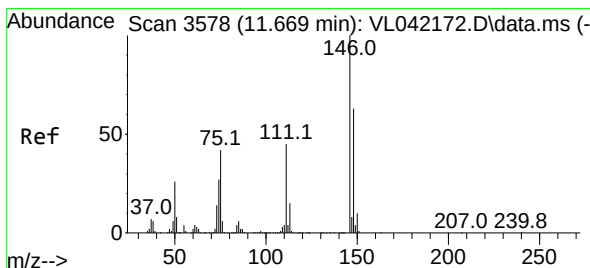
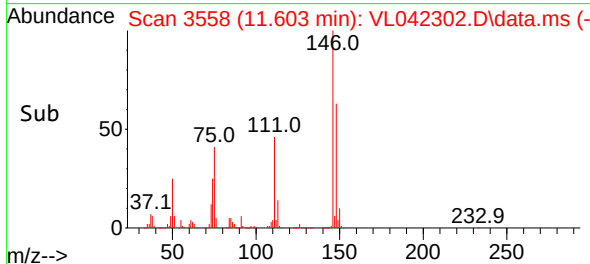
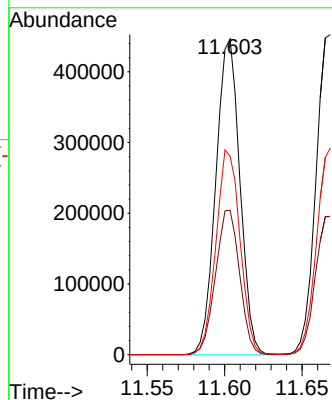
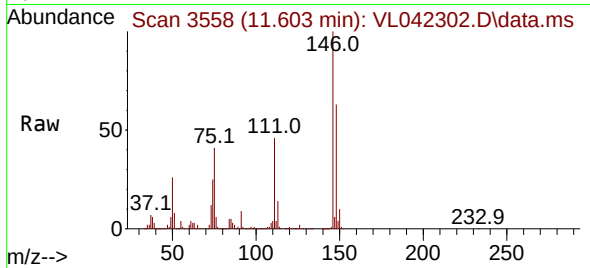
#75
1,3-Dichlorobenzene
Concen: 12.185 ppbv
RT: 11.603 min Scan# 3558
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Instrument :
MSVOA_L
ClientSampleId :
VL0410ABS01

Tgt Ion:146 Resp: 481728
Ion Ratio Lower Upper
146 100
111 45.8 23.8 71.2
148 64.9 31.9 95.9

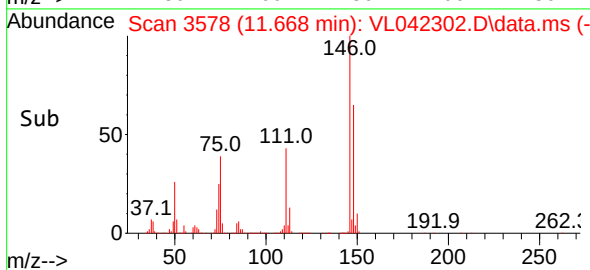
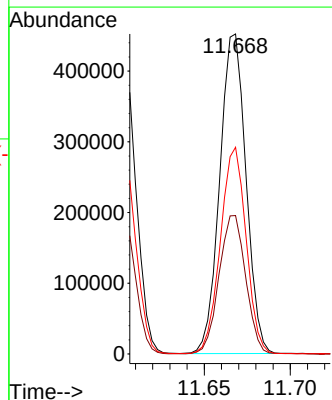
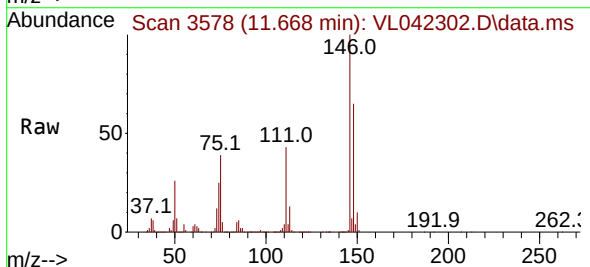
Manual Integrations
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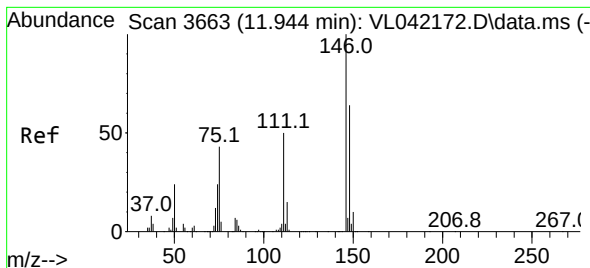
Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#76
1,4-Dichlorobenzene
Concen: 12.192 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.000 min
Lab File: VL042302.D
Acq: 10 Apr 2025 11:05

Tgt Ion:146 Resp: 479693
Ion Ratio Lower Upper
146 100
111 44.1 23.0 69.0
148 63.5 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 12.411 ppbv

RT: 11.940 min Scan# 3663

Delta R.T. -0.004 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

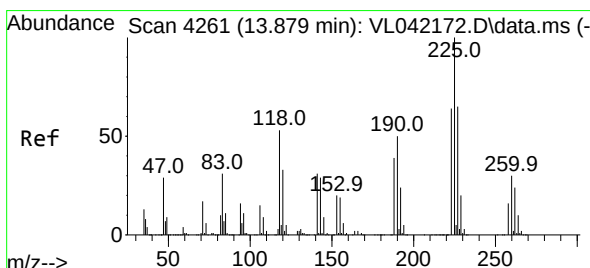
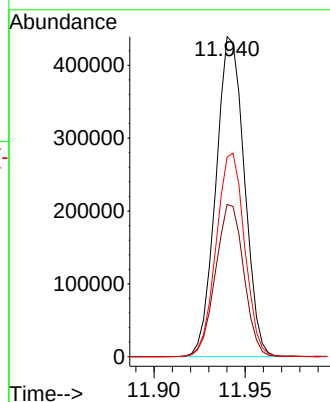
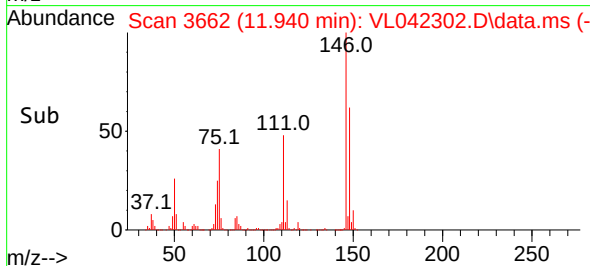
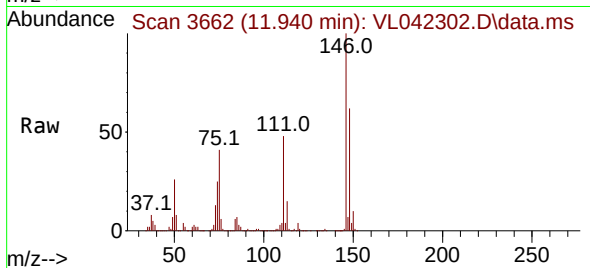
VL0410ABS01

Tgt Ion:	146	Resp:	47772
Ion Ratio	Lower	Upper	
146	100		
111	47.4	24.8	74.3
148	63.6	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#78

Hexachloro-1,3-Butadiene

Concen: 9.700 ppbv

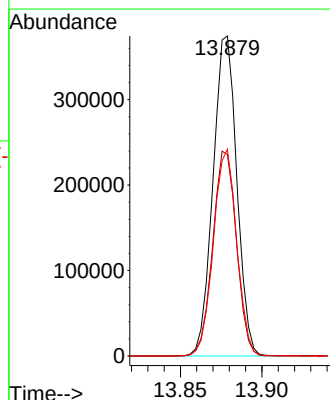
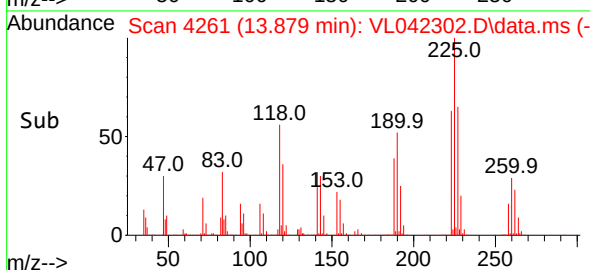
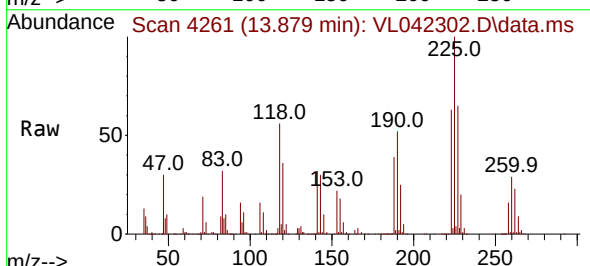
RT: 13.879 min Scan# 4261

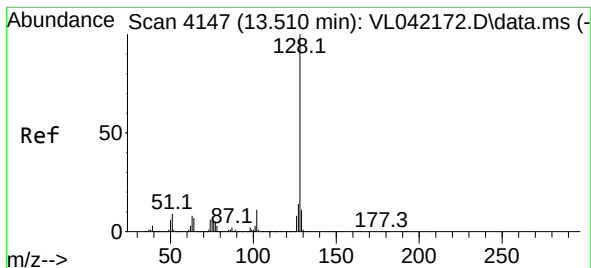
Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Tgt Ion:	225	Resp:	380053
Ion Ratio	Lower	Upper	
225	100		
223	63.7	50.6	76.0
227	63.3	51.2	76.8





#79

Naphthalene

Concen: 11.482 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Instrument :

MSVOA_L

ClientSampleId :

VL0410ABS01

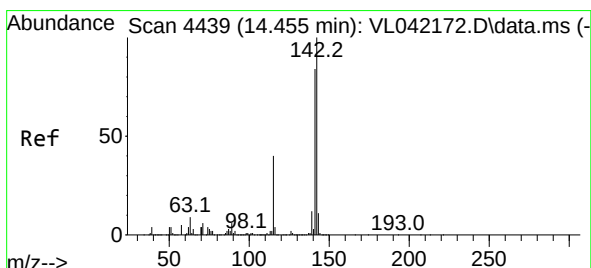
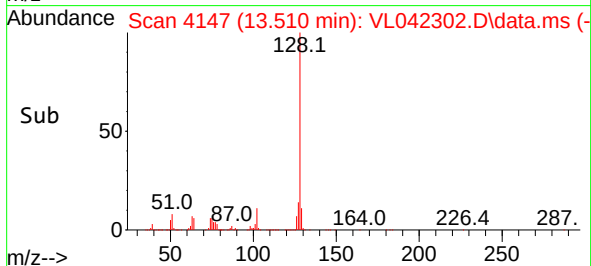
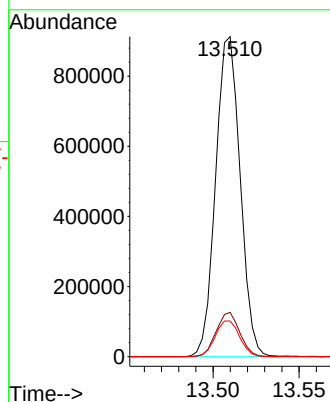
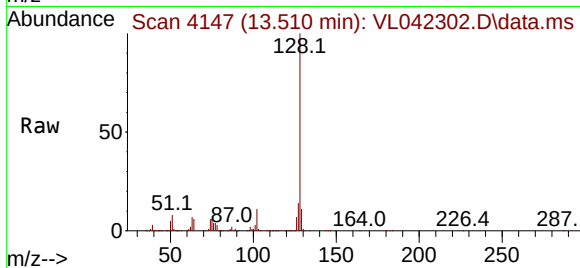
Tgt Ion:128 Resp: 905270

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	11.1	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
Supervised By :Mahesh Dadoda 04/11/2025



#80

Naphthalene,2-methyl-

Concen: 10.919 ppbv

RT: 14.455 min Scan# 4439

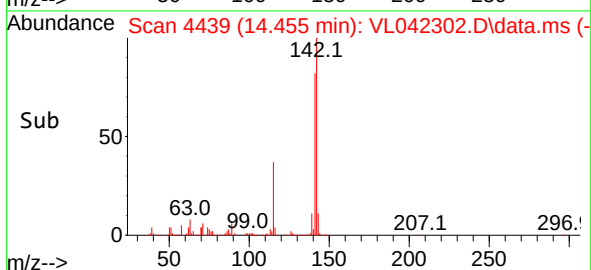
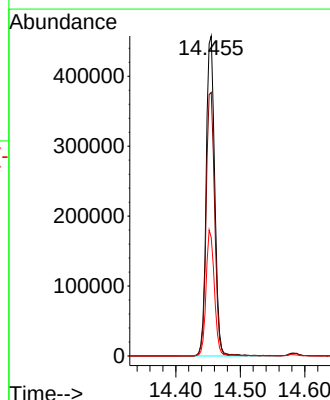
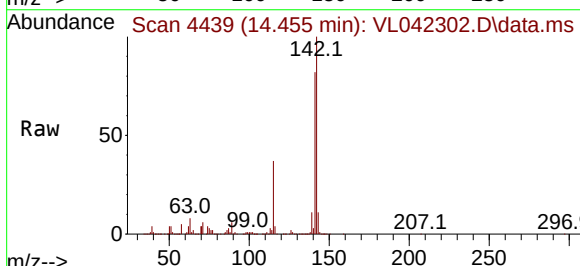
Delta R.T. -0.000 min

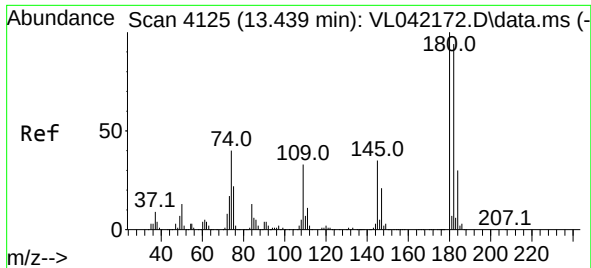
Lab File: VL042302.D

Acq: 10 Apr 2025 11:05

Tgt Ion:142 Resp: 422199

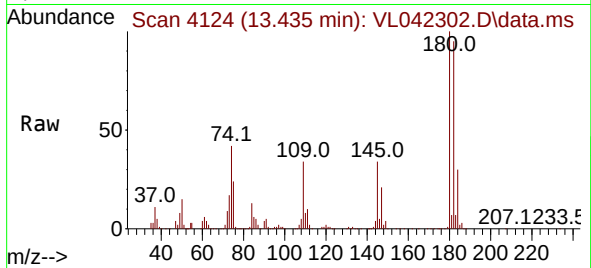
Ion	Ratio	Lower	Upper
142	100		
141	83.0	66.3	99.5
115	38.5	31.6	47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.063 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042302.D
 Acq: 10 Apr 2025 11:05

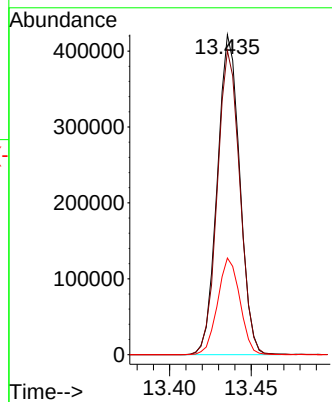
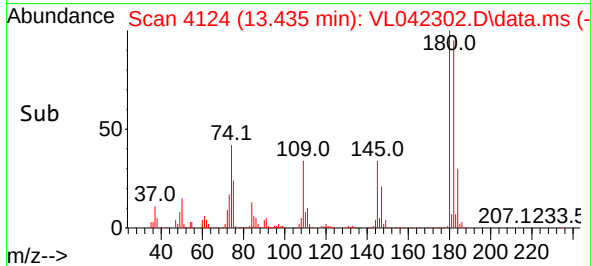
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0410ABS01



Tgt Ion:180 Resp: 402319
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.1 112.7
 184 30.0 24.4 36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/11/2025
 Supervised By :Mahesh Dadoda 04/11/2025



Manual Integration Report

Sequence:

VL032725

Instrument

MSVOA_I

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

Manual Integration Report

Sequence:	VL032725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.5	VL042175.D	1,1,2-Trichloroethane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	1,4-Dioxane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	cis-1,3-Dichloropropene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Cyclohexane	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	m/p-Xylene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Methyl Methacrylate	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Propene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Tetrahydrofuran	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.5	VL042175.D	Trichloroethene	SAM	3/31/2025 11:26:33 AM	MMDadoda	4/3/2025 8:05:37 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	1,1,1-Trichloroethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	1,1,2,2-Tetrachloroethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	1,2-Dibromoethane	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.1	VL042176.D	Carbon Tetrachloride	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VI032725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC0.1	VL042176.D	Trichloroethene	SAM	3/31/2025 11:25:04 AM	MMDadoda	4/3/2025 8:05:45 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	1,1,1-Trichloroethane	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	1,1,2,2-Tetrachloroethane	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Carbon Tetrachloride	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Tetrachloroethene	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Trichloroethene	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC0.03	VL042177.D	Vinyl Chloride	SAM	3/31/2025 11:26:39 AM	MMDadoda	4/3/2025 8:05:59 AM	Peak Integrated by Software
VSTDICC015	VL042178.D	m/p-Xylene	SAM	3/31/2025 11:25:14 AM	MMDadoda	4/3/2025 8:06:09 AM	Peak Integrated by Software
VSTDICV010	VL042179.D	m/p-Xylene	SAM	3/31/2025 11:28:50 AM	MMDadoda	4/3/2025 8:06:14 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VL041025	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042300.D	m/p-Xylene	SAM	4/11/2025 8:14:53 AM	MMDadoda	4/11/2025 10:27:44 AM	Peak Integrated by Software
VL0410ABS01	VL042302.D	m/p-Xylene	SAM	4/11/2025 8:14:57 AM	MMDadoda	4/11/2025 10:27:48 AM	Peak Integrated by Software
Q1772-02	VL042303.D	Carbon Tetrachloride	SAM	4/11/2025 8:15:45 AM	MMDadoda	4/11/2025 10:27:52 AM	Peak Integrated by Software
Q1772-02	VL042303.D	Chlorodifluoromethane	SAM	4/11/2025 8:15:45 AM	MMDadoda	4/11/2025 10:27:52 AM	Peak Integrated by Software
Q1772-02	VL042303.D	m/p-Xylene	SAM	4/11/2025 8:15:45 AM	MMDadoda	4/11/2025 10:27:52 AM	Peak Integrated by Software
Q1772-02DUP	VL042304.D	Carbon Tetrachloride	SAM	4/11/2025 8:15:02 AM	MMDadoda	4/11/2025 10:27:56 AM	Peak Integrated by Software
Q1772-02DUP	VL042304.D	Chlorodifluoromethane	SAM	4/11/2025 8:15:02 AM	MMDadoda	4/11/2025 10:27:56 AM	Peak Integrated by Software
Q1772-02DUP	VL042304.D	m/p-Xylene	SAM	4/11/2025 8:15:02 AM	MMDadoda	4/11/2025 10:27:56 AM	Peak Integrated by Software
Q1772-02DUP	VL042304.D	Toluene	SAM	4/11/2025 8:15:02 AM	MMDadoda	4/11/2025 10:27:56 AM	Peak Integrated by Software
Q1772-01	VL042305.D	m/p-Xylene	SAM	4/11/2025 8:15:06 AM	MMDadoda	4/11/2025 10:28:00 AM	Peak Integrated by Software
Q1772-01	VL042305.D	Tetrachloroethene	SAM	4/11/2025 8:15:06 AM	MMDadoda	4/11/2025 10:28:00 AM	Peak Integrated by Software
Q1772-01	VL042305.D	Toluene	SAM	4/11/2025 8:15:06 AM	MMDadoda	4/11/2025 10:28:00 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vi041025

Instrument

MSVOA_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL032725

Review By	Maresh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2589			
Initial Calibration Stds		AP2593,AP2595,AP2596			
CCC		AP2593			
Internal Standard/PEM		AP2589			
ICV/I.BLK		AP2594			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042171.D	27 Mar 2025 07:44	SY/MD	Ok
2	VSTDICCC010	VL042172.D	27 Mar 2025 08:26	SY/MD	Ok,M
3	VSTDICCC002	VL042173.D	27 Mar 2025 08:59	SY/MD	Ok,M
4	VSTDICCC001	VL042174.D	27 Mar 2025 09:30	SY/MD	Ok,M
5	VSTDICCC0.5	VL042175.D	27 Mar 2025 10:01	SY/MD	Ok,M
6	VSTDICCC0.1	VL042176.D	27 Mar 2025 10:32	SY/MD	Ok,M
7	VSTDICCC0.03	VL042177.D	27 Mar 2025 11:03	SY/MD	Ok,M
8	VSTDICCC015	VL042178.D	27 Mar 2025 11:36	SY/MD	Ok,M
9	VSTDICV010	VL042179.D	27 Mar 2025 12:23	SY/MD	Ok,M
10	VL0327ABL01	VL042180.D	27 Mar 2025 13:50	SY/MD	Ok
11	VL0327ABS01	VL042181.D	27 Mar 2025 14:39	SY/MD	Ok,M
12	QC032625 CAN 10448	VL042182.D	27 Mar 2025 16:41	SY/MD	Ok
13	Q1649-01	VL042183.D	27 Mar 2025 17:13	SY/MD	Not Ok
14	Q1649-02	VL042184.D	27 Mar 2025 17:45	SY/MD	Not Ok
15	Q1669-01	VL042185.D	27 Mar 2025 18:22	SY/MD	Dilution
16	Q1669-02	VL042186.D	27 Mar 2025 18:59	SY/MD	Ok,M
17	Q1669-03	VL042187.D	27 Mar 2025 19:36	SY/MD	Ok,M
18	Q1669-04	VL042188.D	27 Mar 2025 20:12	SY/MD	Ok,M
19	Q1669-09	VL042189.D	27 Mar 2025 20:48	SY/MD	Ok,M
20	Q1669-09DUP	VL042190.D	27 Mar 2025 21:24	SY/MD	Ok,M
21	Q1669-05	VL042191.D	27 Mar 2025 21:57	SY/MD	Not Ok

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL032725

Review By	Maresh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2589				
Initial Calibration Stds	AP2593,AP2595,AP2596				
CCC	AP2593				
Internal Standard/PEM	AP2589				
ICV/I.BLK	AP2594				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1669-07DL	VL042192.D	27 Mar 2025 22:29	SY/MD	Ok,M
23	Q1669-08	VL042193.D	27 Mar 2025 23:01	SY/MD	Not Ok
24	VIBLK	VL042194.D	27 Mar 2025 23:34	SY/MD	Ok
25	Q1669-01DL	VL042195.D	28 Mar 2025 00:06	SY/MD	Ok,M
26	Q1669-01DUP	VL042196.D	28 Mar 2025 00:44	SY/MD	Ok,M
27	Q1669-05	VL042197.D	28 Mar 2025 01:20	SY/MD	Ok,M
28	Q1669-07	VL042198.D	28 Mar 2025 01:57	SY/MD	Dilution
29	Q1669-08	VL042199.D	28 Mar 2025 02:33	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL041025

Review By	Semsettin Yesilyurt	Review On	4/11/2025 8:15:54 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/11/2025 2:00:08 PM		
SubDirectory	VL041025	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2591			
Initial Calibration Stds		AP2593,AP2595,AP2596			
CCC		AP2593			
Internal Standard/PEM		AP2591			
ICV/I.BLK		AP2594			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL042299.D	10 Apr 2025 08:46	SY/MD	Ok
2	VSTDCCC010	VL042300.D	10 Apr 2025 09:27	SY/MD	Ok,M
3	VL0410ABL01	VL042301.D	10 Apr 2025 10:11	SY/MD	Ok
4	VL0410ABS01	VL042302.D	10 Apr 2025 11:05	SY/MD	Ok,M
5	Q1772-02	VL042303.D	10 Apr 2025 11:56	SY/MD	Ok,M
6	Q1772-02DUP	VL042304.D	10 Apr 2025 12:30	SY/MD	Ok,M
7	Q1772-01	VL042305.D	10 Apr 2025 13:01	SY/MD	Ok,M
8	QC040925 CAN 10604	VL042306.D	10 Apr 2025 13:49	SY/MD	Not Ok
9	QC040925 CAN 10604	VL042307.D	10 Apr 2025 14:20	SY/MD	Ok
10	QC040825 CAN 10445	VL042308.D	10 Apr 2025 14:51	SY/MD	Ok
11	CAN10197	VL042309.D	10 Apr 2025 15:23	SY/MD	Ok
12	CAN10607	VL042310.D	10 Apr 2025 15:54	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL032725

Review By	Maresh Dadoda	Review On	4/3/2025 8:14:07 AM
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M HP Processing Method VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2589
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2589
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042171.D	27 Mar 2025 07:44		SY/MD	Ok
2	VSTDICCC010	VSTDICCC010	VL042172.D	27 Mar 2025 08:26		SY/MD	Ok,M
3	VSTDICC002	VSTDICC002	VL042173.D	27 Mar 2025 08:59		SY/MD	Ok,M
4	VSTDICC001	VSTDICC001	VL042174.D	27 Mar 2025 09:30		SY/MD	Ok,M
5	VSTDICC0.5	VSTDICC0.5	VL042175.D	27 Mar 2025 10:01		SY/MD	Ok,M
6	VSTDICC0.1	VSTDICC0.1	VL042176.D	27 Mar 2025 10:32		SY/MD	Ok,M
7	VSTDICC0.03	VSTDICC0.03	VL042177.D	27 Mar 2025 11:03		SY/MD	Ok,M
8	VSTDICC015	VSTDICC015	VL042178.D	27 Mar 2025 11:36		SY/MD	Ok,M
9	VSTDICV010	ICVVL032725	VL042179.D	27 Mar 2025 12:23		SY/MD	Ok,M
10	VL0327ABL01	VL0327ABL01	VL042180.D	27 Mar 2025 13:50		SY/MD	Ok
11	VL0327ABS01	VL0327ABS01	VL042181.D	27 Mar 2025 14:39		SY/MD	Ok,M
12	QC032625 CAN 10448	QC032625 CAN 10448	VL042182.D	27 Mar 2025 16:41		SY/MD	Ok
13	Q1649-01	SV1	VL042183.D	27 Mar 2025 17:13	rerun 4X,not required	SY/MD	Not Ok
14	Q1649-02	SV2	VL042184.D	27 Mar 2025 17:45	rerun 4X,not required	SY/MD	Not Ok
15	Q1669-01	IA-B9-3-3262025	VL042185.D	27 Mar 2025 18:22	Need 5x	SY/MD	Dilution
16	Q1669-02	IA-B9-2-3262025	VL042186.D	27 Mar 2025 18:59		SY/MD	Ok,M
17	Q1669-03	IA-B9-1-3262025	VL042187.D	27 Mar 2025 19:36		SY/MD	Ok,M
18	Q1669-04	AA-2-3252025	VL042188.D	27 Mar 2025 20:12		SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL032725

Review By	Mahesh Dadoda	Review On	4/3/2025 8:14:07 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/3/2025 8:45:16 AM		
SubDirectory	VL032725	HP Acquire Method	TO15AIR.M	HP Processing Method	VL032725AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2589				
Initial Calibration Stds	AP2593,AP2595,AP2596				
CCC	AP2593				
Internal Standard/PEM	AP2589				
ICV/I.BLK	AP2594				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1669-09	AA-3-3252025	VL042189.D	27 Mar 2025 20:48		SY/MD	Ok,M
20	Q1669-09DUP	AA-3-3252025DUP	VL042190.D	27 Mar 2025 21:24		SY/MD	Ok,M
21	Q1669-05	SSSG-B16-3-3262025	VL042191.D	27 Mar 2025 21:57	Need straight run	SY/MD	Not Ok
22	Q1669-07DL	SSSG-B16-1-3262025	VL042192.D	27 Mar 2025 22:29		SY/MD	Ok,M
23	Q1669-08	SSSG-B16-2-3262025	VL042193.D	27 Mar 2025 23:01	Need straight run	SY/MD	Not Ok
24	VIBLK	VIBLK	VL042194.D	27 Mar 2025 23:34		SY/MD	Ok
25	Q1669-01DL	IA-B9-3-3262025DL	VL042195.D	28 Mar 2025 00:06		SY/MD	Ok,M
26	Q1669-01DUP	IA-B9-3-3262025DUP	VL042196.D	28 Mar 2025 00:44		SY/MD	Ok,M
27	Q1669-05	SSSG-B16-3-3262025	VL042197.D	28 Mar 2025 01:20		SY/MD	Ok,M
28	Q1669-07	SSSG-B16-1-3262025	VL042198.D	28 Mar 2025 01:57	Need 10X	SY/MD	Dilution
29	Q1669-08	SSSG-B16-2-3262025	VL042199.D	28 Mar 2025 02:33		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL041025

Review By	Semsettin Yesilyurt	Review On	4/11/2025 8:15:54 AM
Supervise By	Maresh Dadoda	Supervise On	4/11/2025 2:00:08 PM
SubDirectory	VL041025	HP Acquire Method	TO15AIR.M
		HP Processing Method	VL032725AIR.M

STD. NAME	STD REF.#
Tune/Reschk	AP2591
Initial Calibration Stds	AP2593,AP2595,AP2596
CCC	AP2593
Internal Standard/PEM	AP2591
ICV/I.BLK	AP2594
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VL042299.D	10 Apr 2025 08:46		SY/MD	Ok
2	VSTDCCC010	VSTDCCC010	VL042300.D	10 Apr 2025 09:27		SY/MD	Ok,M
3	VL0410ABL01	VL0410ABL01	VL042301.D	10 Apr 2025 10:11		SY/MD	Ok
4	VL0410ABS01	VL0410ABS01	VL042302.D	10 Apr 2025 11:05		SY/MD	Ok,M
5	Q1772-02	IA1	VL042303.D	10 Apr 2025 11:56		SY/MD	Ok,M
6	Q1772-02DUP	IA1DUP	VL042304.D	10 Apr 2025 12:30		SY/MD	Ok,M
7	Q1772-01	SV1	VL042305.D	10 Apr 2025 13:01		SY/MD	Ok,M
8	QC040925 CAN 10604	QC040925 CAN 10604	VL042306.D	10 Apr 2025 13:49	rerun carryover	SY/MD	Not Ok
9	QC040925 CAN 10604	QC040925 CAN 10604	VL042307.D	10 Apr 2025 14:20		SY/MD	Ok
10	QC040825 CAN 10445	QC040825 CAN 10445	VL042308.D	10 Apr 2025 14:51		SY/MD	Ok
11	CAN10197	CAN10197	VL042309.D	10 Apr 2025 15:23		SY/MD	Ok
12	CAN10607	CAN10607	VL042310.D	10 Apr 2025 15:54		SY/MD	Ok

M : Manual Integration